

Canada Listed ETFs*

Category	Page	Count	Assets (CAD \$M)
EQUITY	1	667	\$262,741
Single Long Exposure			
Canada Broad/Large Cap	1	61	\$68,147
Canada Small/Mid Cap	2	3	\$638
Canada Sector	2	31	\$14,325
U.S. Non-hedged	2	101	\$71,058
U.S. Currency-hedged	4	59	\$26,580
U.S. Sector	5	26	\$1,854
Global	6	47	\$9,322
Global Sector	6	41	\$6,630
International Developed	7	62	\$33,547
Emerging Markets	8	27	\$6,071
Regional	9	21	\$2,115
Single Country	9	11	\$2,337
Thematic Equity	9	74	\$5,713
ESG Equity	10	84	\$13,470
Leveraged, Inverse Exposure			
Inverse	12	2	\$34
Leveraged Inverse	12	8	\$187
Leveraged Long	12	9	\$712

FIXED INCOME

Category	Page	Count	Assets (\$M)
FIXED INCOME	13	344	\$131,571
Single Long Exposure			
Canada Aggregate	13	45	\$37,124
Canada Government	13	36	\$14,109
Canada Invest. Grade Corp	14	51	\$37,185
U.S.	15	69	\$13,415
Global	16	51	\$10,743
Other Foreign	17	15	\$3,163
ESG	17	25	\$4,180
High Yield	18	22	\$5,149
Preferred Share	18	28	\$6,362
Convertible	19	2	\$142

COMMODITY

Category	Page	Count	Assets (\$M)
COMMODITY	20	32	\$2,060
Single Long Exposure			
Commodity	20	24	\$1,637
Leveraged, Inverse Exposure			
Leveraged Inverse	20	4	\$109
Leveraged Long	20	4	\$315

MULTI-ASSET

Category	Page	Count	Assets (\$M)
MULTI-ASSET	21	296	\$53,459
Asset Allocation Portfolio	21	78	\$25,523
Covered Call	22	43	\$8,038
Sector Covered Call	23	76	\$13,166
Single Stock Covered Call	24	7	\$205
Fixed Income Option Strategies	24	11	\$643
Other Option Strategies	24	30	\$2,073
Alternative Investment	25	49	\$3,651
Currency	26	1	\$140
Volatility	26	1	\$19

CRYPTO-ASSET

Category	Page	Count	Assets (\$M)
CRYPTO-ASSET	27	30	\$6,886
Crypto-Asset	27	30	\$6,886

All Canadian Exchange-Traded Funds 1,369 \$456,717

U.S. Listed ETFs*

Category	Page	Count	Assets (US \$M)
EQUITY	28	2,062	\$6,967,024
Single Long Exposure			
U.S. Broad/Multi Cap	28	182	\$1,062,855
U.S. Large Cap	31	238	\$2,822,446
U.S. Mid Cap	34	59	\$365,684
U.S. Small/Micro Cap	35	108	\$417,796
U.S. Sector	37	221	\$656,734
Global	41	87	\$102,468
Global Sector	42	164	\$100,440
Global Ex-U.S.	45	148	\$728,897
Global Ex-U.S. Sector	47	7	\$4,801
Emerging Markets	47	71	\$244,153
Emerging Markets Regional	48	6	\$2,679
Emerging Markets Sector	48	4	\$447
Regional	49	44	\$69,067
Regional Sector	49	10	\$16,464
Single Country	49	131	\$116,640
Thematic Equity	52	202	\$70,034
ESG Equity	55	169	\$88,678
Leveraged, Inverse Exposure			
Inverse	58	18	\$2,409
Leveraged Inverse	58	55	\$8,062
Leveraged Long	59	104	\$81,206
Single Stock Leveraged/Inv	60	34	\$5,064

FIXED INCOME

Category	Page	Count	Assets (\$M)
FIXED INCOME	62	648	\$1,566,980
Single Long Exposure			
U.S. Aggregate	62	93	\$378,059
U.S. Treasury	63	64	\$347,230
Other U.S. Gov/Agency	64	48	\$142,728
U.S. Municipal	65	82	\$117,395
U.S. Invest. Grade Corp	66	79	\$239,685
Global	68	73	\$84,080
Other Foreign	69	32	\$89,850
ESG	69	30	\$9,799
High Yield	70	105	\$110,270
Hybrid	72	28	\$41,889
Leveraged, Inverse Exposure			
Inverse	72	3	\$210
Leveraged Inverse	72	5	\$608
Leveraged Long	72	6	\$5,178

COMMODITY

Category	Page	Count	Assets (\$M)
COMMODITY	73	87	\$134,644
Single Long Exposure			
Commodity	73	74	\$132,466
Leveraged, Inverse Exposure			
Inverse	74	1	\$3
Leveraged Inverse	74	6	\$333
Leveraged Long	74	6	\$1,842

MULTI-ASSET

Category	Page	Count	Assets (\$M)
MULTI-ASSET	75	607	\$155,728
Asset Allocation Portfolio	75	129	\$19,063
Option Strategies	77	362	\$122,040
Single Stock Option Strategies	82	25	\$2,067
Alternative Investment	83	59	\$7,363
Private Equity	84	7	\$1,413
Currency	84	9	\$1,388
Inverse & Leveraged Currency	84	5	\$182
Volatility	84	11	\$2,211

CRYPTO-ASSET

Category	Page	Count	Assets (\$M)
CRYPTO-ASSET	85	30	\$64,159
Crypto-Asset	85	30	\$64,159

All U.S. Exchange-Traded Funds 3,434 \$8,888,535

* This report includes ETFs and other Exchange-Traded Products such as notes, grantor trusts, limited partnerships, unit investment trusts, and exchange traded receipts; In the case of Exchange-traded Receipts (ETRs) and dual-currency ETFs, this report lists and shows their average volume and primary unit assets, but excludes them in the summary figures of total assets and number of funds in Canada (cover sheet).

Notes and glossary on Page 86. Market data sourced during the week of 25-Mar-2024;

Source for all tables and charts: National Bank, ETF providers in Canada and U.S., Bloomberg, FactSet

Canada Listed ETFs

Equity

CANADA BROAD/LARGE CAP EQUITY										Grouped by strategy and sorted by AUM
62	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	XIU	iShares S&P/TSX 60 Index ETF	33.75	12,641	4,544	0.18	ETF	1999-09-28	3.01	Cap-Weighted: Broad/Large
2	XIC	iShares Core S&P/TSX Capped Composite	35.31	11,796	1,117	0.06	ETF	2001-02-16	2.80	Cap-Weighted: Broad/Large
3	ZCN	BMO S&P/TSX Capped Composite Index ETF	29.64	7,450	532	0.06	ETF	2009-06-04	3.12	Cap-Weighted: Broad/Large
4	VCN	Vanguard FTSE Canada All Cap Index ETF	45.12	6,575	255	0.05	ETF	2013-08-12	2.85	Cap-Weighted: Broad/Large
5	HXT	Horizons S&P/TSX 60 Index ETF	56.75	3,923	377	0.08	Corp (Swap)	2010-09-15	-	Cap-Weighted: Broad/Large
6	HXT/U	Horizons S&P/TSX 60 Index ETF (US\$)	56.75	3,923	2	0.08	Corp (Swap)	2011-03-30	-	Cap-Weighted: Broad/Large
7	TTP	TD Canadian Equity Index ETF	25.27	1,722	80	0.05	ETF	2016-03-30	2.79	Cap-Weighted: Broad/Large
8	VCE	Vanguard FTSE Canada Index ETF	48.65	1,686	116	0.06	ETF	2011-12-06	3.10	Cap-Weighted: Broad/Large
9	QCN	Mackenzie Canadian Equity Index ETF	134.94	1,425	26	0.04	ETF	2018-01-24	3.22	Cap-Weighted: Broad/Large
10	HXCN	Horizons S&P/TSX Capped Composite Index ETF	35.61	1,301	588	0.05	Corp (Swap)	2020-02-06	-	Cap-Weighted: Broad/Large
11	CCEI	CIBC Canadian Equity Index ETF	23.83	444	254	0.05	ETF	2021-03-31	3.10	Cap-Weighted: Broad/Large
12	FLCD	Franklin FTSE Canada All Cap Index ETF	28.95	200	26	0.06	ETF	2019-02-20	2.72	Cap-Weighted: Broad/Large
13	CCDN	CI Canadian Equity Index ETF	21.93	166	12	0.06	ETF	2021-08-17	2.85	Cap-Weighted: Broad/Large
14	QCE	Mackenzie Canadian Large Cap Equity Index ETF	135.05	127	2	0.04	ETF	2018-01-24	3.34	Cap-Weighted: Broad/Large
15	ZIU	BMO S&P/TSX 60 Index ETF	51.31	69	2	0.15	ETF	2023-10-02	NA	Cap-Weighted: Broad/Large
16	SITC	Scotia Cdn Large Cap Equity Index Tracker ETF	28.98	67	8	0.06	ETF	2020-11-03	2.89	Cap-Weighted: Broad/Large
17	CANL	Horizons Enh (1.25x) S&P/TSX 60 Index ETF	22.23	2	0.4	0.40*	ETF†	2023-07-06	NA	Cap-Weighted: Broad/Large
18	VDY	Vanguard FTSE Canadian High Div Yield Index ETF	44.39	2,509	252	0.22	ETF	2012-11-02	4.60	Dividend/Income
19	XEI	iShares S&P/TSX Composite High Div ETF	25.46	1,603	249	0.22	ETF	2011-04-18	5.21	Dividend/Income
20	XDV	iShares Canadian Select Dividend Index ETF	27.79	1,567	135	0.55	ETF	2005-12-19	4.88	Dividend/Income
21	XDIV	iShares Core MSCI Canadian Quality Div ETF	26.45	1,108	216	0.11	ETF	2017-06-13	4.80	Dividend/Income
22	ZDV	BMO Canadian Dividend ETF	20.34	1,008	146	0.39	ETF	2011-10-27	4.26	Dividend/Income
23	CDZ	iShares S&P/TSX Canadian Dividend Aristocrats	31.93	896	63	0.66	ETF	2006-09-07	3.95	Dividend/Income
24	PDC	Invesco Canadian Dividend Index ETF	31.25	783	42	0.54	ETF	2011-06-16	4.78	Dividend/Income
25	TQCD	TD Q Canadian Dividend ETF	17.01	382	122	0.40	ETF	2019-11-26	3.65	Dividend/Income
26	FCCD	Fidelity Canadian High Dividend ETF	27.66	169	18	0.39	ETF	2018-09-18	4.39	Dividend/Income
27	RCD	RBC Quant Canadian Dividend Leaders ETF	26.43	148	9	0.42	ETF	2014-01-15	3.84	Dividend/Income
28	HXH	Horizons Cdn High Dividend Index ETF	48.70	122	6	0.11	Corp (Swap)	2016-04-11	-	Dividend/Income
29	FLVC	Franklin Canadian Low Vol High Dividend Index ETF	20.20	2	NA	0.17	ETF	2024-03-25	NA	Dividend/Income
30	XCG	iShares Canadian Growth Index ETF	50.03	82	7	0.55	ETF	2006-11-06	1.00	Factor: Growth
31	WXM	CI Morningstar Canada Momentum Index ETF	26.44	573	45	0.66	ETF	2012-02-15	1.12	Factor: Momentum
32	FCCM	Fidelity Canadian Momentum ETF	11.36	75	6	0.39	ETF	2020-06-10	1.22	Factor: Momentum
33	DGRC	CI WisdomTree Canada Div Grwth Index ETF	38.11	776	52	0.23	ETF	2017-09-21	2.28	Factor: Multi-Factor
34	MCLC	Manulife Multifactor Canadian Large Cap Index ETF	37.67	331	20	0.40	ETF	2017-04-17	2.59	Factor: Multi-Factor
35	QCD	AGF Systematic Canadian Equity	34.14	49	2	0.45	ETF	2017-01-30	3.60	Factor: Multi-Factor
36	FCCA	Fidelity All-Canadian Equity ETF	10.61	9	45	0.40	ETF	2024-02-01	NA	Factor: Multi-Factor
37	FCCQ	Fidelity Canadian High Quality ETF	33.76	123	4	0.39	ETF	2019-01-18	2.01	Factor: Quality
38	FQC	CI MSCI Canada Quality Index Class ETF	34.89	13	1	0.84	Corp Class	2016-05-04	1.87	Factor: Quality
39	FXM	CI Morningstar Canada Value Index ETF	21.62	319	17	0.66	ETF	2012-02-15	2.89	Factor: Value
40	PXC	Invesco FTSE RAFI Canadian Fundamental Index	37.63	180	7	0.49	ETF	2012-01-26	3.47	Factor: Value
41	FCCV	Fidelity Canadian Value ETF	13.87	141	87	0.35	ETF	2020-06-10	2.76	Factor: Value
42	CRQ	iShares Canadian Fundamental Index ETF	22.35	93	3	0.72	ETF	2006-02-21	2.82	Factor: Value
43	XCV	iShares Canadian Value Index ETF	35.22	92	9	0.55	ETF	2006-11-06	3.84	Factor: Value
44	ZVC	BMO MSCI Canada Value Index ETF	28.42	20	2	0.40	ETF	2017-10-04	3.12	Factor: Value
45	INOC	Horizons Inoventor Canadian Equity Index ETF	15.12	31	4	0.65	ETF	2017-11-14	1.97	Other
46	CDIV	Manulife Smart Dividend ETF	13.56	523	98	0.28	ETF	2020-11-25	3.61	Pure Active
47	DXC	Dynamic Active Canadian Dividend ETF	35.82	245	37	0.68	ETF	2017-01-25	2.45	Pure Active
48	HAL	Horizons Active Canadian Dividend ETF	19.84	122	14	0.68	ETF	2010-02-10	3.43	Pure Active
49	FST	First Trust Canadian Capital Strength ETF	49.51	71	4	0.67	ETF	2001-11-30	1.35	Pure Active
50	BGC	Bristol Gate Concentrated Canadian Equity ETF	31.34	19	2	0.84	ETF	2018-02-20	-	Pure Active
51	NDIV	NBI Canadian Dividend Income ETF	30.45	14	2	0.63	ETF	2021-02-11	2.71	Pure Active
52	GCSC	Guardian Canadian Sector Controlled Equity Fund	24.14	7	1	0.66	ETF	2021-03-16	1.62	Pure Active
53	CDEF	Manulife Smart Defensive Equity ETF	10.03	1	0.3	0.29	ETF	2021-11-10	2.54	Pure Active
54	GCFE	Guardian Canadian Focused Equity Fund	24.38	1	1	0.57	ETF	2023-11-14	NA	Pure Active
55	RCEI	RBC Canadian Equity Income Fund/ETF	20.74	1	0.2	0.68	ETF	2023-03-08	3.46	Pure Active
56	ZLB	BMO Low Volatility Canadian Equity ETF	43.37	3,528	281	0.39	ETF	2011-10-27	2.61	Risk
57	MKC	Mackenzie Max Diversification Canada Index ETF	33.75	422	10	0.50	ETF	2016-06-21	1.82	Risk
58	XMV	iShares MSCI Min Vol Canada Index ETF	41.32	198	10	0.33	ETF	2012-07-30	2.71	Risk

* Please see more details about MER disclosures in Glossary Appendix on page 86.

CANADA BROAD/LARGE CAP EQUITY										Grouped by strategy and sorted by AUM
62	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
59	TLV	Invesco S&P/TSX Composite Low Vol Index ETF	29.77	85	9	0.32	ETF	2012-04-24	3.80	Risk
60	FCCL	Fidelity Canadian Low Volatility ETF	32.57	80	1	0.39	ETF	2019-01-18	2.56	Risk
61	TCLV	TD Q Canadian Low Volatility ETF	19.62	31	4	0.34	ETF	2020-04-28	3.09	Risk
62	CQLC	CIBC Qx Canadian Low Volatility Dividend ETF	19.36	1	0.1	0.34	ETF	2021-11-17	3.01	Risk

CANADA SMALL/MID CAP EQUITY										Grouped by strategy and sorted by AUM
3	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	XMD	iShares S&P/TSX Completion Index ETF	33.67	239	17	0.60	ETF	2001-03-02	1.86	Cap-Weighted: Mid/Small
2	XCS	iShares S&P/TSX SmallCap Index ETF	19.31	137	26	0.60	ETF	2007-05-14	2.54	Cap-Weighted: Mid/Small
3	MCSM	Manulife Multifactor Canadian Smid Cap Index ETF	38.89	262	1	0.57	ETF	2017-11-27	2.11	Factor: Multi-Factor

CANADA SECTOR EQUITY										Grouped by sector and sorted by AUM
32	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
1	XST	iShares S&P/TSX Capped Consumer Staples	93.22	207	18	0.61	ETF	2011-04-18	0.87	Consumer Staples
2	XEG	iShares S&P/TSX Capped Energy Index ETF	18.34	1,765	2,226	0.60	ETF	2001-03-19	3.13	Energy
3	NNRG	Ninepoint Energy Fund - ETF	52.38	412	58	1.78*	ETF	2021-05-14	0.31	Energy
4	NNRG/U	Ninepoint Energy Fund - ETF (US\$)	52.38	412	2	1.78*	ETF	2022-02-25	0.31	Energy
5	ZEO	BMO Equal Weight Oil & Gas Index ETF	70.43	214	19	0.61	ETF	2009-10-26	4.21	Energy
6	HXE	Horizons S&P/TSX Capped Energy Index ETF	37.13	104	14	0.27	Corp (Swap)	2013-09-17	-	Energy
7	HOG	Horizons Pipelines Energy Services Index ETF	11.11	32	28	0.64	ETF	2014-07-15	3.68	Energy
8	ZEB	BMO Equal Weight Banks Index ETF	36.98	2,995	3,802	0.28	ETF	2009-10-26	4.61	Financials
9	XFN	iShares S&P/TSX Capped Financials Index ETF	50.04	1,391	458	0.61	ETF	2001-03-23	3.85	Financials
10	HBNK	Horizons Equal Weight Banks Index ETF	22.00	769	74	0.00**	ETF	2023-07-06	NA	Financials
11	HEB	Hamilton Canadian Bank Equal-Weight Index ETF	17.31	695	42	0.21	ETF	2023-04-04	4.84	Financials
12	HCAL	Hamilton Enhanced (1.25x) Canadian Bank ETF	21.69	547	171	1.46	ETF†	2020-09-30	7.17	Financials
13	RBNK	RBC Canadian Bank Yield Index ETF	25.13	259	44	0.32	ETF	2017-10-19	4.73	Financials
14	CEW	iShares Equal Weight Banc & Lifeco ETF	17.44	199	36	0.61	ETF	2008-02-06	3.95	Financials
15	HEWB	Horizons Equal Weight Canada Banks Index ETF	32.96	151	11	0.27	Corp (Swap)	2019-01-23	-	Financials
16	HFIN	Hamilton Enhanced (1.25x) Canadian Financials	15.97	127	11	1.66	ETF†	2022-01-27	5.75	Financials
17	HXF	Horizons S&P/TSX Capped Financials Index ETF	68.71	79	2	0.27	Corp (Swap)	2013-09-17	-	Financials
18	HCA	Hamilton Canadian Bank Mean Reversion Index ETF	22.19	75	13	0.33	ETF	2020-06-29	5.23	Financials
19	TBNK	TD Canadian Bank Dividend Index ETF	26.89	36	34	0.28	ETF	2023-04-27	NA	Financials
20	BNKL	Horizons Enh (1.25x) Equal Weight Banks Index ETF	22.18	12	7	0.40*	ETF†	2023-07-06	NA	Financials
21	ZIN	BMO S&P/TSX Equal Weight Industrials Index ETF	39.97	51	3	0.62	ETF	2012-11-20	1.57	Industrials
22	XMA	iShares S&P/TSX Capped Materials Index ETF	18.56	135	47	0.60	ETF	2005-12-19	1.28	Materials
23	XRE	iShares S&P/TSX Capped REIT Index ETF	15.80	1,152	1,432	0.61	ETF	2002-10-17	4.96	Real Estate
24	ZRE	BMO Equal Weight REITs Index ETF	20.71	546	89	0.61	ETF	2010-05-25	5.36	Real Estate
25	RIT	CI Canadian REIT ETF	16.16	496	58	0.87	ETF	2004-11-15	5.14	Real Estate
26	VRE	Vanguard FTSE Canadian Capped REIT Index ETF	30.47	276	27	0.39	ETF	2012-11-02	2.82	Real Estate
27	HCRE	Horizons Equal Weight Canada REIT Index ETF	24.71	48	6	0.33	Corp (Swap)	2019-01-23	-	Real Estate
28	XIT	iShares S&P/TSX Capped Information Tech	54.38	702	56	0.61	ETF	2001-03-19	-	Technology
29	ZUT	BMO Equal Weight Utilities Index ETF	19.16	421	326	0.61	ETF	2010-01-21	4.76	Utilities
30	XUT	iShares S&P/TSX Capped Utilities Index ETF	25.20	340	599	0.61	ETF	2011-04-18	4.02	Utilities
31	HUTS	Hamilton Enhanced (1.25x) Utilities ETF	11.72	81	32	1.87	ETF†	2022-09-06	8.19	Utilities
32	UTIL	Horizons Canadian Utility Services High Div ETF	20.12	9	5	0.62	ETF	2022-08-10	4.65	Utilities

U.S. EQUITY - CURRENCY NON-HEDGED										Grouped by strategy and sorted by AUM
110	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	ZSP	BMO S&P 500 Index ETF	77.70	13,313	1,070	0.09	ETF	2012-11-20	1.19	Cap-Weighted: Broad/Large
2	VFV	Vanguard S&P 500 Index ETF	126.17	13,062	576	0.09	ETF	2012-11-02	1.09	Cap-Weighted: Broad/Large
3	VUN	Vanguard US Total Market Index ETF	95.72	8,117	164	0.17	ETF	2013-08-12	1.05	Cap-Weighted: Broad/Large
4	XUS	iShares Core S&P 500 Index ETF	88.41	6,010	209	0.09	ETF	2013-04-12	1.09	Cap-Weighted: Broad/Large
5	ZSP/U	BMO S&P 500 Index ETF (US\$)	77.69	2,963	23	0.09	ETF	2012-11-20	1.27	Cap-Weighted: Broad/Large
6	HXS	Horizons S&P 500 Index ETF	72.40	3,450	359	0.10*	Corp (Swap)	2010-12-01	-	Cap-Weighted: Broad/Large
7	HXS/U	Horizons S&P 500 Index ETF (US\$)	72.40	3,450	29	0.10*	Corp (Swap)	2013-04-01	-	Cap-Weighted: Broad/Large
8	QUU	Mackenzie US Large Cap Equity Index ETF	203.99	2,895	42	0.07	ETF	2018-01-24	1.10	Cap-Weighted: Broad/Large
9	XUU	iShares Core S&P US Total Market Index ETF	52.74	2,764	94	0.08	ETF	2015-02-17	1.06	Cap-Weighted: Broad/Large
10	TPU	TD US Equity Index ETF	40.13	2,219	134	0.07	ETF	2016-03-30	1.10	Cap-Weighted: Broad/Large
11	SITU	Scotia US Equity Index Tracker ETF	32.22	1,461	45	0.09	ETF	2020-11-03	0.93	Cap-Weighted: Broad/Large
12	HXQ	Horizons Nasdaq 100 Index ETF	70.59	836	45	0.28	Corp Class	2016-04-20	-	Cap-Weighted: Broad/Large
13	HXQ/U	Horizons Nasdaq 100 Index ETF (US\$)	70.59	836	10	0.28	Corp Class	2016-04-20	-	Cap-Weighted: Broad/Large

* Please see more details about MER disclosures in Glossary Appendix on page 86.

U.S. EQUITY - CURRENCY NON-HEDGED										Grouped by strategy and sorted by AUM
110	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
14	ZNQ	BMO Nasdaq 100 Equity Index ETF	79.89	790	148	0.39	ETF	2019-02-15	0.31	Cap-Weighted: Broad/Large
15	HULC	Horizons US Large Cap Index ETF	84.87	497	8	0.09	Corp Class	2020-02-06	-	Cap-Weighted: Broad/Large
16	HULC/U	Horizons US Large Cap Index ETF (US\$)	84.87	497	10	0.09	Corp Class	2020-02-06	-	Cap-Weighted: Broad/Large
17	QQC	Invesco Nasdaq 100 Index ETF	29.40	306	137	0.20	ETF	2021-05-27	0.52	Cap-Weighted: Broad/Large
18	FLAM	Franklin FTSE US Index ETF	39.54	304	69	0.08	ETF	2019-02-20	0.98	Cap-Weighted: Broad/Large
19	CUEI	CIBC US Equity Index ETF	28.09	303	5	0.06	ETF	2021-03-31	1.25	Cap-Weighted: Broad/Large
20	XUS/U	iShares Core S&P 500 Index ETF (US\$)	89.55	215	22	0.09	ETF	2019-10-15	1.09	Cap-Weighted: Broad/Large
21	CUSA/B	CI US 500 Index ETF	25.02	199	5	0.09	ETF	2021-08-17	1.03	Cap-Weighted: Broad/Large
22	CUSM/B	CI US 1000 Index ETF	24.99	131	68	0.22	ETF	2021-08-17	0.56	Cap-Weighted: Broad/Large
23	XUU/U	iShares Core S&P US Total Market Index ETF (US\$)	53.08	74	4	0.07	ETF	2019-10-28	1.02	Cap-Weighted: Broad/Large
24	ZNQ/U	BMO Nasdaq 100 Equity Index ETF (US\$)	53.86	30	2	0.40	ETF	2021-02-18	0.41	Cap-Weighted: Broad/Large
25	TPU/U	TD US Equity Index ETF (US\$)	40.60	16	3	0.07	ETF	2022-03-29	0.93	Cap-Weighted: Broad/Large
26	XQQU	iShares Nasdaq 100 Index ETF	58.95	18	7	0.40	ETF	2023-09-06	NA	Cap-Weighted: Broad/Large
27	QUU/U	Mackenzie US Large Cap Equity Index ETF (US\$)	200.55	10	1	0.07	ETF	2020-09-30	1.11	Cap-Weighted: Broad/Large
28	XQQU/U	iShares Nasdaq 100 Index ETF (US\$)	58.83	5	2	0.40	ETF	2023-09-06	NA	Cap-Weighted: Broad/Large
29	QQJR	Invesco Nasdaq Next Gen 100 Index ETF	20.13	1	1	0.20	ETF	2021-05-27	0.63	Cap-Weighted: Broad/Large
30	ZMID	BMO S&P US Mid Cap Index ETF	44.20	290	9	0.17	ETF	2020-02-11	1.52	Cap-Weighted: Mid/Small
31	XMC	iShares S&P U.S. Mid-Cap Index ETF	31.63	224	24	0.16	ETF	2015-08-10	1.07	Cap-Weighted: Mid/Small
32	TQSM	TD Q U.S. Small-Mid-Cap Equity ETF	23.28	188	77	0.46	ETF	2019-11-26	0.83	Cap-Weighted: Mid/Small
33	ZSML	BMO S&P US Small Cap Index ETF	39.69	133	4	0.23	ETF	2020-02-11	1.45	Cap-Weighted: Mid/Small
34	XSMC	iShares S&P US Small-Cap Index ETF	30.11	41	6	0.22	ETF	2019-09-10	0.99	Cap-Weighted: Mid/Small
35	ZMID/U	BMO S&P US Mid Cap Index ETF (US\$)	58.26	12	1	0.17	ETF	2020-02-11	1.53	Cap-Weighted: Mid/Small
36	XMC/U	iShares S&P U.S. Mid-Cap Index ETF (US\$)	32.19	8	3	0.16	ETF	2019-10-28	1.07	Cap-Weighted: Mid/Small
37	ZSML/U	BMO S&P US Small Cap Index ETF (US\$)	51.09	8	1	0.22	ETF	2020-02-11	1.37	Cap-Weighted: Mid/Small
38	VGG	Vanguard US Dividend Appreciation Index ETF	84.28	1,444	44	0.30	ETF	2013-08-12	1.30	Dividend/Income
39	RUD	RBC Quant US Dividend Leaders ETF	64.04	502	14	0.43	ETF	2014-01-15	1.53	Dividend/Income
40	ZDY	BMO US Dividend ETF	41.02	462	12	0.33	ETF	2013-03-27	2.37	Dividend/Income
41	FCUD	Fidelity US High Dividend ETF	34.03	226	6	0.39	ETF	2018-09-18	2.57	Dividend/Income
42	FCUD/U	Fidelity US High Dividend ETF (US\$)	34.03	226	0.2	0.39	ETF	2021-12-01	2.57	Dividend/Income
43	XDU	iShares Core MSCI US Quality Dividend Index ETF	29.42	198	16	0.16	ETF	2017-06-13	2.35	Dividend/Income
44	XHU	iShares US High Dividend Equity Index ETF	30.51	198	9	0.34	ETF	2015-02-17	2.93	Dividend/Income
45	ZDY/U	BMO US Dividend ETF (US\$)	41.94	53	2	0.33	ETF	2013-03-27	2.37	Dividend/Income
46	RUD/U	RBC Quant US Dividend Leaders ETF (US\$)	64.04	51	2	0.43	ETF	2014-01-15	1.54	Dividend/Income
47	FCRR	Fidelity US Dividend for Rising Rates ETF	38.55	53	2	0.39	ETF	2018-09-18	2.08	Dividend/Income
48	FCRR/U	Fidelity US Dividend for Rising Rates ETF (US\$)	38.55	53	0.1	0.39	ETF	2021-12-01	2.41	Dividend/Income
49	MUSA	Middlefield US Equity Dividend ETF	17.88	42	7	1.55	ETF	2013-12-19	3.07	Dividend/Income
50	XDU/U	iShares Core MSCI US Quality Div ETF (US\$)	29.40	15	4	0.15	ETF	2019-10-28	2.40	Dividend/Income
51	UMI/B	CI WisdomTree US MidCap Dividend Index ETF	39.09	14	18	0.38	ETF	2017-09-21	1.91	Dividend/Income
52	FLVU	Franklin US Low Vol High Dividend Index ETF	20.39	2	NA	0.14**	ETF	2024-03-25	NA	Dividend/Income
53	EQL	Invesco S&P 500 Equal Weighted Index ETF	34.88	881	213	0.26	ETF	2018-05-29	1.34	Equal-Weight
54	EQL/U	Invesco S&P 500 Equal Weighted Index ETF (US\$)	34.90	88	43	0.25	ETF	2018-05-29	1.45	Equal-Weight
55	QQEQ	Invesco Nasdaq 100 Equal Weight Index ETF	26.23	4	2	0.27	ETF	2021-05-27	0.84	Equal-Weight
56	ZUGE	BMO US Equity Growth MFR Fund	18.23	1	0.4	0.85	ETF	2023-06-23	NA	Factor: Growth
57	FCMO	Fidelity US Momentum ETF	13.34	160	4	0.32	ETF	2020-06-10	0.48	Factor: Momentum
58	FCMO/U	Fidelity US Momentum ETF (US\$)	13.34	160	0.1	0.32	ETF	2021-12-01	0.49	Factor: Momentum
59	YXM/B	CI Morningstar US Momentum Index ETF	38.20	11	1	0.66	ETF	2013-10-22	0.36	Factor: Momentum
60	XMTM	iShares MSCI USA Momentum Factor Index ETF	31.13	3	1	0.32	ETF	2019-09-10	0.59	Factor: Momentum
61	CMOM/B	CI US Enhanced Momentum Index ETF	23.43	1	0.0	0.34	ETF	2024-01-16	NA	Factor: Momentum
62	DGR/B	CI WisdomTree US Div Grwth Index ETF	48.86	243	38	0.38	ETF	2016-07-14	1.24	Factor: Multi-Factor
63	QUS	AGF Systematic US Equity ETF	51.65	129	3	0.45	ETF	2017-01-30	0.92	Factor: Multi-Factor
64	IUMF	Invesco Russell 1000 Dynamic Multifactor Index ETF	22.73	109	16	0.38	ETF	2023-07-13	NA	Factor: Multi-Factor
65	MULC/B	Manulife Multifactor US Large Cap Index ETF	53.40	69	1	0.36	ETF	2017-04-17	0.89	Factor: Multi-Factor
66	FLUS	Franklin US Large Cap Multifactor Index	41.73	54	43	0.28	ETF	2017-06-05	0.97	Factor: Multi-Factor
67	MUMC/B	Manulife Multifactor US Mid Cap Index ETF	47.45	38	2	0.51	ETF	2017-04-17	1.03	Factor: Multi-Factor
68	FCAM	Fidelity All-American Equity ETF	11.12	32	31	0.40	ETF	2024-02-01	NA	Factor: Multi-Factor
69	MUSC/B	Manulife Multifactor US Small Cap Index ETF	37.93	2	0.2	0.51	ETF	2017-11-27	1.37	Factor: Multi-Factor
70	ZUQ	BMO MSCI USA High Quality Index ETF	76.72	757	40	0.34	ETF	2014-11-12	0.79	Factor: Quality
71	FCUQ	Fidelity US High Quality ETF	54.79	444	22	0.39	ETF	2019-01-18	0.79	Factor: Quality
72	FCUQ/U	Fidelity US High Quality ETF (US\$)	54.79	444	1	0.39	ETF	2021-12-01	0.81	Factor: Quality
73	XQLT	iShares MSCI USA Quality Factor Index ETF	36.40	104	10	0.32	ETF	2019-09-10	0.74	Factor: Quality
74	ZUQ/U	BMO MSCI USA High Quality Index ETF (US\$)	67.78	17	2	0.34	ETF	2020-07-23	0.81	Factor: Quality
75	FCUV	Fidelity US Value ETF	17.55	384	87	0.36	ETF	2020-06-10	1.25	Factor: Value
76	FCUV/U	Fidelity US Value ETF (US\$)	17.55	210	1	0.36	ETF	2021-12-01	1.28	Factor: Value
77	CLU/C	iShares US Fundamental Index ETF	64.28	87	1	0.72	ETF	2009-05-14	1.27	Factor: Value

* Please see more details about MER disclosures in Glossary Appendix on page 86.

U.S. EQUITY - CURRENCY NON-HEDGED										Grouped by strategy and sorted by AUM
110	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
78	ZVU	BMO MSCI USA Value Index ETF	29.47	55	48	0.34	ETF	2017-10-04	2.48	Factor: Value
79	PXS	Invesco FTSE RAFI US Index ETF II	45.26	47	3	0.45	ETF	2015-04-14	1.41	Factor: Value
80	CVLU/B	CI US Enhanced Value Index ETF	21.56	22	180	0.34	ETF	2024-01-16	NA	Factor: Value
81	XVLU	iShares MSCI USA Value Factor Index ETF	27.58	17	1	0.32	ETF	2019-09-10	2.08	Factor: Value
82	XXM/B	CI Morningstar US Value Index ETF	21.75	10	44	0.67	ETF	2013-10-22	1.24	Factor: Value
83	PXS/U	Invesco FTSE RAFI US Index ETF II (US\$)	40.86	2	0.0	0.45	ETF	2015-04-14	1.55	Factor: Value
84	ZUVE	BMO US Equity Value MFR Fund	16.83	1	3	0.85	ETF	2023-06-23	NA	Factor: Value
85	BGU	Bristol Gate Concentrated US Equity ETF	43.60	266	5	0.84	ETF	2018-02-20	-	Pure Active
86	BGU/U	Bristol Gate Concentrated US Equity ETF (US\$)	43.59	155	4	0.84	ETF	2018-02-21	-	Pure Active
87	DXU	Dynamic Active US Dividend ETF	56.26	143	6	0.80	ETF	2017-01-25	-	Pure Active
88	UDIV/B	Manulife Smart US Dividend ETF	13.41	110	16	0.32	ETF	2020-11-25	2.98	Pure Active
89	NUSA	NBI Active U.S. Equity ETF	41.36	36	4	0.63	ETF	2021-02-11	0.40	Pure Active
90	ZACE	BMO US All Cap Equity Fund ETF Series	40.22	29	2	0.85	ETF	2021-06-10	0.20	Pure Active
91	DXZ	Dynamic Active US Mid-Cap ETF	12.80	27	5	0.78	ETF	2017-09-27	0.57	Pure Active
92	DXUS	Dynamic Active US Equity ETF	25.42	24	7	0.85	ETF	2023-10-24	NA	Pure Active
93	PHE/B	Purpose Tactical Hedged Equity Fund	36.50	16	2	0.94	Corp Class	2014-04-29	-	Pure Active
94	GIQU/B	Guardian I3 US Quality Growth ETF	28.59	6	1	0.71	ETF	2020-08-11	0.17	Pure Active
95	UDA	Caldwell US Dividend Advantage Fund	16.16	5	1	0.80	ETF	2015-06-19	2.84	Pure Active
96	UDEF/B	Manulife Smart US Defensive Equity ETF	10.38	3	0.2	0.32	ETF	2021-11-10	1.30	Pure Active
97	UDIV/U	Manulife Smart US Dividend ETF (US\$)	14.64	2	1	0.32	ETF	2022-11-09	3.05	Pure Active
98	UDEF/U	Manulife Smart US Defensive Equity ETF (US\$)	14.49	2	0.1	0.32	ETF	2022-11-09	1.32	Pure Active
99	ASMD	AGF US Small-Mid Cap Fund	27.16	1	0.0	1.02	ETF	2024-02-27	NA	Pure Active
100	ZLU	BMO Low Volatility US Equity ETF	49.78	1,548	70	0.33	ETF	2013-03-27	2.23	Risk
101	XMU	iShares MSCI Min Vol USA Index ETF	75.94	342	11	0.33	ETF	2012-07-30	1.31	Risk
102	FCUL	Fidelity US Low Volatility ETF	45.32	186	4	0.38	ETF	2019-01-18	1.19	Risk
103	FCUL/U	Fidelity US Low Volatility ETF (US\$)	45.32	186	0.2	0.38	ETF	2021-12-01	1.20	Risk
104	ZLU/U	BMO Low Volatility US Equity ETF (US\$)	51.01	92	2	0.33	ETF	2013-03-27	2.20	Risk
105	MUS	Mackenzie Maximum Diversification US Index ETF	36.53	106	7	0.50	ETF	2016-06-21	1.08	Risk
106	ULV/C	Invesco S&P 500 Low Volatility Index ETF	32.54	25	2	0.31	ETF	2017-01-31	1.94	Risk
107	XMU/U	iShares MSCI Min Vol USA Index ETF (US\$)	75.88	6	0.4	0.32	ETF	2019-10-28	1.37	Risk
108	ULV/U	Invesco S&P 500 Low Volatility Index ETF (US\$)	31.89	6	1	0.31	ETF	2017-01-31	1.97	Risk
109	CQLU	CIBC Qx US Low Volatility Dividend ETF	20.92	2	0.0	0.34	ETF	2021-11-17	1.94	Risk
110	CUDV/B	CI US Minimum Downside Volatility Index ETF	21.76	1	0.0	0.34	ETF	2023-01-24	1.75	Risk

U.S. EQUITY - CURRENCY-HEDGED										Grouped by strategy and sorted by AUM
59	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	XSP	iShares Core S&P 500 Index ETF Curr-H	55.12	9,773	1,217	0.09	ETF	2001-05-24	1.08	Cap-Weighted: Broad/Large
2	VSP	Vanguard S&P 500 Index ETF Curr-H	85.55	3,112	128	0.09	ETF	2012-11-02	1.11	Cap-Weighted: Broad/Large
3	XQQ	iShares Nasdaq 100 Index ETF Curr-H	138.76	2,754	134	0.39	ETF	2011-05-09	0.29	Cap-Weighted: Broad/Large
4	ZUE	BMO S&P 500 Curr-H Index ETF	72.98	2,441	106	0.09	ETF	2009-06-04	1.22	Cap-Weighted: Broad/Large
5	ZQQ	BMO Nasdaq 100 Equity Curr-H Index ETF	128.22	1,911	108	0.39	ETF	2010-01-21	0.30	Cap-Weighted: Broad/Large
6	VUS	Vanguard US Total Market Index ETF Curr-H	92.77	941	26	0.16	ETF	2011-12-06	1.04	Cap-Weighted: Broad/Large
7	QQC/F	Invesco Nasdaq 100 Index ETF Curr-H	145.64	751	27	0.20	ETF	2011-06-16	0.56	Cap-Weighted: Broad/Large
8	XUH	iShares Core S&P 500 Total Market Index ETF Curr-H	43.82	277	22	0.08	ETF	2015-02-19	1.03	Cap-Weighted: Broad/Large
9	HSH	Horizons S&P 500 Curr-H Index ETF	64.62	277	6	0.10*	Corp (Swap)	2016-09-20	-	Cap-Weighted: Broad/Large
10	THU	TD US Equity Curr-H Index ETF	35.13	47	5	0.07	ETF	2016-03-30	1.12	Cap-Weighted: Broad/Large
11	QAH	Mackenzie US Large Cap Equity Index ETF Curr-H	173.83	40	1	0.07	ETF	2018-01-29	1.16	Cap-Weighted: Broad/Large
12	CUEH	CIBC US Equity Index ETF Curr-H	21.63	3	6	0.06	ETF	2023-01-23	0.46	Cap-Weighted: Broad/Large
13	QQJR/F	Invesco Nasdaq Next Gen 100 Index ETF Curr-H	17.37	1	0.1	0.20	ETF	2021-05-27	0.69	Cap-Weighted: Broad/Large
14	XSU	iShares U.S. Small Cap Index ETF Curr-H	41.05	595	144	0.36	ETF	2007-05-14	1.08	Cap-Weighted: Mid/Small
15	XMH	iShares S&P US Mid-Cap Index ETF Curr-H	27.48	210	23	0.16	ETF	2015-08-10	1.08	Cap-Weighted: Mid/Small
16	XSMH	iShares S&P US Small-Cap Index ETF Curr-H	27.61	18	20	0.22	ETF	2019-09-10	0.82	Cap-Weighted: Mid/Small
17	ZSML/F	BMO S&P US Small Cap Index ETF Curr-H	35.95	5	2	0.23	ETF	2020-02-11	1.47	Cap-Weighted: Mid/Small
18	ZMID/F	BMO S&P US Mid Cap Index ETF Curr-H	40.25	2	1	0.17	ETF	2020-02-11	1.51	Cap-Weighted: Mid/Small
19	VGH	Vanguard US Dividend Appreciation Curr-H	59.88	670	22	0.30	ETF	2013-08-12	1.30	Dividend/Income
20	CUD	iShares US Dividend Growers Index ETF Curr-H	52.82	330	12	0.66	ETF	2011-09-13	1.98	Dividend/Income
21	XHD	iShares US High Dividend Equity Index ETF Curr-H	32.68	186	10	0.33	ETF	2012-08-20	3.17	Dividend/Income
22	RUHD	RBC Quant US Dividend Leaders Curr-H ETF	45.21	133	6	0.43	ETF	2014-10-22	1.58	Dividend/Income
23	ZUD	BMO US Dividend Curr-H ETF	28.74	125	11	0.33	ETF	2013-03-27	2.35	Dividend/Income
24	XDUH	iShares Core MSCI US Quality Div ETF Curr-H	26.92	67	10	0.15	ETF	2017-06-16	2.51	Dividend/Income
25	FCUH	Fidelity US High Div Currency Neutral ETF Curr-H	30.53	34	10	0.42	ETF	2018-09-18	2.58	Dividend/Income
26	UMI	CI WisdomTree US MidCap Div ETF Curr-H	32.63	18	1	0.38	ETF	2017-09-21	2.32	Dividend/Income
27	FCRH	Fidelity US Div for Rising Rates Currency Neutral	34.72	12	1	0.42	ETF	2018-09-18	2.05	Dividend/Income

* Please see more details about MER disclosures in Glossary Appendix on page 86.

U.S. EQUITY - CURRENCY-HEDGED										Grouped by strategy and sorted by AUM
59	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
28	FDL	First Trust Mgstar Dividend Leaders ETF Curr-H	32.30	9	1	0.61	ETF	2016-09-29	3.01	Dividend/Income
29	FUD	First Trust Value Line Dividend Index ETF Curr-H	34.41	5	1	0.77	ETF	2013-05-15	1.99	Dividend/Income
30	EQL/F	Invesco S&P 500 Equal Weighted Index ETF Curr-H	30.18	487	114	0.25	ETF	2018-05-29	1.44	Equal-Weight
31	QQEQ/F	Invesco Nasdaq 100 Equal Weight Index ETF Curr-H	22.81	1	0.3	0.27	ETF	2021-05-27	0.84	Equal-Weight
32	YXM	CI Morningstar US Momentum Index ETF Curr-H	26.19	10	1	0.67	ETF	2013-10-22	0.53	Factor: Momentum
33	FCMH	Fidelity US Momentum Currency Neutral ETF Curr-H	12.87	2	4	0.34	ETF	2020-06-10	0.50	Factor: Momentum
34	CMOM	CI US Enhanced Momentum Index ETF Curr-H	22.17	1	0.2	0.34	ETF	2024-01-16	NA	Factor: Momentum
35	DGR	CI WisdomTree US Div Grwth Index ETF Curr-H	44.13	88	9	0.39	ETF	2016-07-14	1.38	Factor: Multi-Factor
36	DQD	CI WisdomTree U.S. Div Grwth Variably Hedged	45.19	54	4	0.46	ETF	2016-07-14	1.23	Factor: Multi-Factor
37	IUMF/F	Invesco Russell 1000 Dynamic Multifactor Curr-H	21.93	18	3	0.38	ETF	2023-07-13	NA	Factor: Multi-Factor
38	MULC	Manulife Multifactor US Large Cap Index Curr-H	48.72	10	1	0.42	ETF	2017-04-17	0.77	Factor: Multi-Factor
39	MUMC	Manulife Multifactor US Mid Cap Index ETF Curr-H	43.04	9	1	0.56	ETF	2017-04-17	0.99	Factor: Multi-Factor
40	MUSC	Manulife Multifactor US Small Cap Index ETF Curr-H	33.84	2	1	0.55	ETF	2017-11-27	1.25	Factor: Multi-Factor
41	FCQH	Fidelity US High Quality Currency Neutral Curr-H	51.34	56	3	0.42	ETF	2019-01-18	0.77	Factor: Quality
42	ZUQ/F	BMO MSCI USA High Quality Index ETF Curr-H	48.38	36	2	0.34	ETF	2020-07-23	0.84	Factor: Quality
43	CLU	iShares US Fundamental Index ETF Curr-H	52.00	125	2	0.72	ETF	2006-09-07	1.28	Factor: Value
44	PXU/F	Invesco FTSE RAFI US Index ETF Curr-H	60.45	48	1	0.44	ETF	2012-01-26	1.44	Factor: Value
45	FCVH	Fidelity US Value Currency Neutral ETF Curr-H	16.92	36	22	0.39	ETF	2020-06-10	0.75	Factor: Value
46	XXM	CI Morningstar US Value Index ETF Curr-H	14.74	7	1	0.67	ETF	2013-10-22	1.84	Factor: Value
47	CVLU	CI US Enhanced Value Index ETF Curr-H	21.72	2	0.0	0.34	ETF	2024-01-16	NA	Factor: Value
48	ZDJ	BMO DJIA Curr-H Index ETF	61.89	401	28	0.26	ETF	2009-06-04	1.51	Other
49	SID	CI US TrendLeaders Index ETF Curr-H	36.35	14	1	1.17	ETF	2017-07-05	0.34	Other
50	UDIV	Manulife Smart US Dividend ETF Curr-H	12.82	109	38	0.36	ETF	2020-11-25	2.98	Pure Active
51	PHE	Purpose Tactical Hedged Equity Fund Curr-H	33.48	3	2	0.97	Corp Class	2013-09-03	-	Pure Active
52	GIQU	Guardian I3 US Quality Growth ETF	27.08	3	0.2	0.71	ETF	2020-08-11	0.18	Pure Active
53	UDEP	Manulife Smart US Defensive Equity ETF	9.15	1	0.1	0.38	ETF	2021-11-10	1.90	Pure Active
54	ULV/F	Invesco S&P 500 Low Volatility Index ETF Curr-H	47.72	104	3	0.30	ETF	2012-01-24	1.96	Risk
55	ZLH	BMO Low Volatility US Equity Curr-H ETF	32.88	92	8	0.33	ETF	2016-02-10	2.34	Risk
56	TULV	TD Q US Low Volatility ETF Curr-H	19.85	58	7	0.34	ETF	2020-04-28	1.76	Risk
57	XMS	iShares MSCI Min Vol USA Index ETF Curr-H	34.92	40	3	0.33	ETF	2016-04-11	1.32	Risk
58	CUDV	CI US Minimum Downside Volatility Index Curr-H	21.58	8	5	0.34	ETF	2023-01-24	1.62	Risk
59	FCLH	Fidelity US Low Vol Currency Neutral ETF Curr-H	42.46	6	1	0.42	ETF	2019-01-18	1.17	Risk

U.S. SECTOR EQUITY										Grouped by sector and sorted by AUM
26	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
1	FDN	First Trust Dow Jones Internet ETF	22.58	7	2	0.67	ETF	2014-10-30	-	Communication Services
2	NXTG	FirstTrust Indxx NextG ETF - CAD	10.36	1	0.2	0.87	ETF	2014-10-30	-	Communication Services
3	FDN/F	First Trust Dow Jones Internet ETF Curr-H	15.52	0.5	0.2	0.67	ETF	2017-12-08	-	Communication Services
4	ZBK	BMO Equal Weight US Banks Index ETF	29.48	710	76	0.38	ETF	2014-02-14	2.64	Financials
5	ZUB	BMO Equal Weight US Banks Curr-H Index ETF	27.24	516	279	0.38	ETF	2010-05-25	2.70	Financials
6	HUM	Hamilton US Mid-Cap Financials ETF	29.95	25	7	0.91	ETF	2020-06-29	1.37	Financials
7	RUBY	RBC US Banks Yield Index ETF	20.10	15	1	0.32	ETF	2018-05-15	3.00	Financials
8	RUBH	RBC US Banks Yield Curr-H Index ETF	17.31	5	4	0.32	ETF	2018-05-15	2.74	Financials
9	XUSF	iShares S&P US Financials Index ETF	61.17	4	1	0.28	ETF	2023-09-06	NA	Financials
10	RUBY/U	RBC US Banks Yield Index ETF (US\$)	20.07	2	1	0.32	ETF	2018-05-15	3.01	Financials
11	ZUH	BMO Equal Weight US Health Care Curr-H Index ETF	72.11	323	7	0.40	ETF	2010-05-25	0.72	Health Care
12	ZHU	BMO Equal Weight US Health Care Index ETF	44.13	14	1	0.39	ETF	2019-02-15	0.92	Health Care
13	FHH	First Trust AlphaDEX US Health Care Sector	39.47	12	1	0.76	ETF	2014-10-30	0.29	Health Care
14	FHH/F	First Trust AlphaDEX US Health Care Sector Curr-H	29.36	3	1	0.76	ETF	2017-12-08	0.30	Health Care
15	FBT	First Trust NYSE Arca Biotechnology ETF	26.29	2	1	0.72	ETF	2014-10-30	-	Health Care
16	FHG	First Trust AlphaDEX US Industrials Sector	52.10	31	8	0.78	ETF	2014-10-30	0.65	Industrials
17	XAD	iShares US Aerospace & Defense Index ETF	58.01	6	1	0.44	ETF	2023-09-06	NA	Industrials
18	FHG/F	First Trust AlphaDEX US Industrials Sector Curr-H	33.00	2	2	0.77	ETF	2017-12-08	0.80	Industrials
19	TECH	Evolve FANGMA Index ETF Curr-H	13.97	84	60	0.63	ETF	2021-05-06	0.14	Technology
20	FHQ	First Trust AlphaDEX US Tech Sector Index ETF	86.99	22	2	0.78	ETF	2014-10-30	0.02	Technology
21	QQQT	Evolve Nasdaq Technology Index Fund Curr-H	27.23	17	12	0.28	ETF	2023-07-11	NA	Technology
22	QQQT/U	Evolve Nasdaq Technology Index Fund (US\$)	37.06	17	4	0.28	ETF	2023-07-11	NA	Technology
23	QQQT/B	Evolve Nasdaq Technology Index Fund	28.07	17	1	0.28	ETF	2023-07-11	NA	Technology
24	TECH/B	Evolve FANGMA Index ETF	15.87	8	5	0.62	ETF	2021-05-06	0.12	Technology
25	TECH/U	Evolve FANGMA Index ETF (US\$)	19.49	6	1	0.62	ETF	2021-05-06	0.13	Technology
26	FHQ/F	First Trust AlphaDEX US Tech Sector Curr-H	47.77	5	1	0.76	ETF	2017-12-08	0.02	Technology

* Please see more details about MER disclosures in Glossary Appendix on page 86.

GLOBAL EQUITY										Grouped by strategy and sorted by AUM
48	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	XAW	iShares Core MSCI All Country World ex Canada	39.84	2,465	180	0.22	ETF	2015-02-17	1.56	Cap-Weighted: Broad/Large
2	YXC	Vanguard FTSE Global All Cap ex Canada Index ETF	57.12	1,818	84	0.22	ETF	2014-06-30	1.56	Cap-Weighted: Broad/Large
3	XWD	iShares MSCI World Index ETF	84.60	912	53	0.47	ETF	2009-06-18	1.26	Cap-Weighted: Broad/Large
4	XAW/U	iShares Core MSCI All Country World ex Can (US\$)	40.35	14	1	0.22	ETF	2019-10-28	1.59	Cap-Weighted: Broad/Large
5	XDG	iShares Core MSCI Global Quality Div ETF	25.49	333	51	0.22	ETF	2017-06-13	2.94	Dividend/Income
6	TQGD	TD Q Global Dividend ETF	18.32	188	61	0.45	ETF	2019-11-26	3.48	Dividend/Income
7	CYH	iShares Global Monthly Dividend Index ETF Curr-H	20.52	142	8	0.66	ETF	2008-01-15	4.59	Dividend/Income
8	XDGH	iShares Core MSCI Global Quality Div ETF Curr-H	26.15	67	5	0.22	ETF	2017-06-16	3.23	Dividend/Income
9	XDG/U	iShares Core MSCI Global Quality Div ETF (US\$)	25.27	11	2	0.22	ETF	2019-10-28	2.89	Dividend/Income
10	FLGD	Franklin Global Dividend Quality Index ETF	26.18	11	1	0.34	ETF	2018-01-29	3.17	Dividend/Income
11	MDVD	Mackenzie Global Sustainable Dividend Index ETF	23.61	7	4	0.29	ETF	2020-09-30	2.99	Dividend/Income
12	MDVD/U	Mackenzie Global Sustainable Div ETF (US\$)	23.19	5	3	0.29	ETF	2020-09-30	3.13	Dividend/Income
13	VMO	Vanguard Global Momentum Factor ETF	57.47	131	24	0.39	ETF	2016-06-22	0.91	Factor: Momentum
14	TQGM	TD Q Global Multifactor ETF	17.33	131	39	0.45	ETF	2019-11-26	2.45	Factor: Multi-Factor
15	ZGQ	BMO MSCI All Country World High Quality Index ETF	62.78	541	43	0.50	ETF	2014-11-12	1.22	Factor: Quality
16	VVL	Vanguard Global Value Factor ETF	49.80	353	23	0.38	ETF	2016-06-22	2.48	Factor: Value
17	PZW	Invesco FTSE RAFI Global Small	33.20	18	1	0.50	ETF	2015-05-06	3.12	Factor: Value
18	PZW/F	Invesco FTSE RAFI Global Small Curr-H	24.05	3	0.1	0.49	ETF	2018-01-29	4.32	Factor: Value
19	PZW/U	Invesco FTSE RAFI Global Small (US\$)	32.46	1	0.5	0.50	ETF	2015-05-06	2.88	Factor: Value
20	DXG	Dynamic Active Global Dividend ETF	59.52	662	26	0.82	ETF	2017-01-25	0.41	Pure Active
21	HAZ	Horizons Active Global Dividend ETF	33.86	355	28	0.78	ETF	2010-07-21	1.41	Pure Active
22	FCGS/U	Fidelity Global Small Cap Opportunities (US\$)	13.13	189	5	0.96	ETF	2023-05-25	NA	Pure Active
23	FCGS	Fidelity Global Small Cap Opportunities Fund/ETF	13.13	189	196	0.96	ETF	2023-05-25	NA	Pure Active
24	CGLO	CIBC Global Growth ETF	28.18	95	13	0.89	ETF	2020-07-27	1.42	Pure Active
25	ONEQ	CI ONE Global Equity ETF	39.57	53	3	0.98	ETF	2015-09-25	1.54	Pure Active
26	DXGE	Dynamic Active Global Equity Income ETF	22.84	38	12	0.85	ETF	2023-10-24	NA	Pure Active
27	CMGG	CI Munro Global Growth Equity Fund - ETF	26.91	33	8	1.17	ETF	2021-01-12	-	Pure Active
28	TGGR	TD Active Global Equity Growth ETF	25.82	28	9	0.72	ETF	2020-04-28	0.50	Pure Active
29	FGGE	Franklin Global Growth Active ETF	23.34	22	2	1.02	ETF	2020-09-30	-	Pure Active
30	DXW	Dynamic Active International Dividend ETF	22.75	17	6	0.76	ETF	2020-02-20	2.45	Pure Active
31	MIVG	Mackenzie Ivy Global Equity ETF	31.39	16	4	0.83	ETF	2017-11-22	1.08	Pure Active
32	FINE	Forstrong Global Ex-North America Equity ETF	20.91	9	67	0.79	ETF	2023-08-09	NA	Pure Active
33	FIINT	First Trust International Capital Strength ETF	26.40	7	2	0.74	ETF	2018-05-17	1.60	Pure Active
34	GIQG	Guardian I3 Global Quality Growth ETF	26.31	6	0.4	0.82	ETF	2020-08-11	0.31	Pure Active
35	GIQG/B	Guardian I3 Global Quality Growth ETF	27.63	3	0.5	0.82	ETF	2020-08-11	0.29	Pure Active
36	FJFG	First Trust JFL Global Equity ETF	26.13	3	0.0	0.98	ETF	2021-03-19	0.13	Pure Active
37	BGEQ	BMO Global Equity Fund	18.17	2	1	0.85	ETF	2023-05-30	NA	Pure Active
38	CMGG/U	CI Munro Global Growth Equity Fund (US\$)	37.49	1	1	1.19	ETF	2021-01-12	-	Pure Active
39	BGDV	BMO Global Dividend Opportunities Fund	18.24	1	0.0	0.85	ETF	2023-05-30	NA	Pure Active
40	IGEO	iA Clarington Loomis Global Equity Opportunities	13.06	1	4	0.90	ETF	2023-10-31	NA	Pure Active
41	EVO	Evovest Global Equity ETF	20.08	1	NA	0.00**	ETF	2024-03-28	NA	Pure Active
42	MWD	Mackenzie Max Diversification All World Developed	29.44	301	7	0.55	ETF	2016-09-07	1.49	Risk
43	XMW	iShares MSCI Min Vol Global Index ETF	50.30	171	6	0.48	ETF	2012-07-30	1.85	Risk
44	CGDV/B	CI Global Minimum Downside Volatility Index ETF	21.69	54	36	0.40	ETF	2023-01-24	2.48	Risk
45	CGDV	CI Global Minimum Downside Volatility Curr-H	21.98	30	4	0.40	ETF	2023-01-24	2.45	Risk
46	MWLV	Mackenzie World Low Volatility ETF	20.89	29	3	0.57	ETF	2024-02-20	NA	Risk
47	VVO	Vanguard Global Minimum Volatility ETF Curr-H	35.71	27	9	0.40	ETF	2016-06-22	2.50	Risk
48	XYM	iShares MSCI Min Vol Global Index ETF Curr-H	29.38	14	1	0.48	ETF	2016-04-11	1.79	Risk

GLOBAL SECTOR EQUITY										Grouped by sector and sorted by AUM
41	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
1	COMM	BMO Global Communications Index ETF	32.43	27	3	0.40	ETF	2018-05-02	1.36	Communication Services
2	XCD	iShares S&P Global Cons Disc Index ETF Curr-H	53.70	75	3	0.65	ETF	2013-04-02	0.66	Consumer Discretionary
3	DISC	BMO Global Cons Disc Curr-H Index ETF	38.51	34	5	0.40	ETF	2017-04-03	0.95	Consumer Discretionary
4	HERO	Evolve E-Gaming Index ETF Curr-H	30.47	24	1	0.94	ETF	2019-06-17	0.67	Consumer Discretionary
5	STPL	BMO Global Consumer Staples Curr-H Index ETF	23.69	37	9	0.40	ETF	2017-04-07	2.40	Consumer Staples
6	RENG	RBC Global Energy Fund/ETF	21.08	1	0.1	0.85	ETF	2023-03-08	2.57	Energy
7	FSF	CI Global Financial Sector ETF	25.79	464	12	1.03	ETF	2014-11-21	2.09	Financials
8	HFG	Hamilton Global Financials ETF	23.87	49	3	0.91	ETF	2020-06-29	3.55	Financials
9	DXF	Dynamic Active Global Financial Services ETF	37.72	10	1	0.85	ETF	2017-09-27	1.97	Financials
10	XHC	iShares Global Healthcare Index ETF Curr-H	72.50	614	48	0.66	ETF	2011-04-18	2.25	Health Care
11	CHCL/B	CI Global Healthcare Leaders Index ETF	22.81	277	51	0.38	ETF	2021-08-17	1.08	Health Care
12	MHCD	Middlefield Healthcare Dividend ETF	11.73	163	12	1.27	ETF	2017-07-21	5.20	Health Care

* Please see more details about MER disclosures in Glossary Appendix on page 86.

GLOBAL SECTOR EQUITY										Grouped by sector and sorted by AUM
41	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
13	BGHC	BMO Global Health Care Fund	17.66	118	334	1.02	ETF	2023-06-26	NA	Health Care
14	TDOC	TD Global Healthcare Leaders Index ETF	18.34	77	17	0.38	ETF	2021-04-14	3.26	Health Care
15	TDOC/U	TD Global Healthcare Leaders Index ETF (US\$)	18.57	4	1	0.39	ETF	2022-03-29	1.31	Health Care
16	LONG	CI Global Longevity Economy Fund	35.31	4	0.3	0.96	ETF	2020-06-16	0.28	Health Care
17	XGI	iShares S&P Global Industrials Index ETF Curr-H	52.48	87	6	0.66	ETF	2013-04-02	1.12	Industrials
18	XGD	iShares S&P/TSX Global Gold Index ETF	18.25	1,132	799	0.61	ETF	2001-03-23	1.42	Materials
19	XBM	iShares S&P/TSX Global Base Metals Index ETF	20.45	225	61	0.61	ETF	2011-04-18	1.89	Materials
20	HJURA	Horizons Global Uranium Index ETF	36.33	84	18	0.86	ETF†	2019-05-16	0.94	Materials
21	ZGD	BMO Equal Weight Global Gold Index ETF	81.15	49	6	0.60	ETF	2012-11-20	0.67	Materials
22	ZMT	BMO Equal Weight Global Base Metals Curr-H	62.67	33	2	0.61	ETF	2009-10-26	0.78	Materials
23	HLIT	Horizons Global Lithium Producers Index Curr-H	21.18	19	6	0.85	ETF	2021-06-23	3.34	Materials
24	HGGG	Harvest Global Gold Giants Index ETF	26.95	14	4	0.68	ETF	2019-01-15	-	Materials
25	COPP	Horizons Copper Producers Index ETF Curr-H	32.82	9	4	0.80	ETF	2022-05-17	0.60	Materials
26	XETM	iShares S&P/TSX Energy Transition Materials	38.72	2	1	0.62	ETF	2023-09-06	NA	Materials
27	RGPM	RBC Global Precious Metals Fund/ETF	21.61	1	0.2	0.85	ETF	2023-03-08	-	Materials
28	CGR	iShares Global Real Estate Index ETF	28.67	199	32	0.72	ETF	2008-08-26	2.68	Real Estate
29	MREL	Middlefield Real Estate Dividend ETF	12.13	112	32	1.06	ETF	2011-04-20	7.62	Real Estate
30	TGRE	TD Active Global Real Estate Equity ETF	14.11	75	5	0.70	ETF	2019-11-26	4.96	Real Estate
31	CGRE	CI Global REIT Private Pool ETF	20.88	66	2	0.95	ETF	2020-05-26	5.06	Real Estate
32	BGRT	BMO Global REIT Fund	16.25	51	6	1.02	ETF	2023-06-26	NA	Real Estate
33	PHR	Purpose Real Estate Income Fund	19.07	13	1	0.77	Corp Class	2014-04-29	4.60	Real Estate
34	SCGR	Starlight Global Real Estate Fund	8.27	12	3	1.26	ETF	2018-10-02	7.16	Real Estate
35	QRET	Mackenzie Developed Markets Real Estate Index ETF	105.00	11	1	0.45	ETF	2020-09-24	3.23	Real Estate
36	TOWR	BMO Brookfield Global Real Estate Tech Fund	27.87	4	5	0.90	ETF	2022-03-04	2.02	Real Estate
37	TEC	TD Global Technology Leaders Index ETF	35.96	2,431	195	0.39	ETF	2019-05-09	0.16	Technology
38	TEC/U	TD Global Technology Leaders Index ETF (US\$)	35.91	11	3	0.39	ETF	2022-03-29	0.17	Technology
39	TECI	TD Global Technology Innovators Index ETF	7.75	7	6	0.50	ETF	2021-11-30	0.53	Technology
40	TECX	TD Global Technology Leaders Curr-H Index ETF	24.71	2	1	0.40	ETF	2023-04-27	NA	Technology
41	RTEC	RBC Global Technology Fund/ETF	32.05	2	2	0.85	ETF	2023-03-08	-	Technology

INTERNATIONAL DEVELOPED EQUITY										Grouped by strategy and sorted by AUM
64	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	XEF	iShares Core MSCI EAFE IMI Index ETF	37.38	8,058	521	0.22	ETF	2013-04-12	2.58	Cap-Weighted: Broad/Large
2	ZEA	BMO MSCI EAFE Index ETF	22.68	7,594	387	0.22	ETF	2014-02-14	2.85	Cap-Weighted: Broad/Large
3	VIU	Vanguard FTSE Developed All Cap ex-N. Am	34.26	4,144	248	0.23	ETF	2015-12-08	2.48	Cap-Weighted: Broad/Large
4	TPE	TD International Equity Index ETF	21.92	1,467	61	0.19	ETF	2016-03-30	2.49	Cap-Weighted: Broad/Large
5	XIN	iShares MSCI EAFE Index ETF Curr-H	36.36	1,338	286	0.49	ETF	2001-09-06	2.29	Cap-Weighted: Broad/Large
6	XFH	iShares Core MSCI EAFE IMI Index ETF Curr-H	32.02	1,330	104	0.22	ETF	2015-02-17	2.69	Cap-Weighted: Broad/Large
7	QDX	Mackenzie International Equity Index ETF	117.25	830	17	0.19	ETF	2018-01-24	2.42	Cap-Weighted: Broad/Large
8	ZDM	BMO MSCI EAFE Curr-H Index ETF	29.55	788	37	0.22	ETF	2009-10-26	2.74	Cap-Weighted: Broad/Large
9	VEF	Vanguard FTSE Developed All Cap Ex US Curr-H	55.96	630	22	0.22	ETF	2011-12-06	2.49	Cap-Weighted: Broad/Large
10	HXDM	Horizons International Dev. Mkts Equity Index ETF	45.92	584	33	0.22*	Corp (Swap)	2017-09-27	-	Cap-Weighted: Broad/Large
11	HXDM/U	Horizons Intl Dev. Mkts Equity Index ETF (US\$)	45.92	584	3	0.22*	Corp (Swap)	2017-09-27	-	Cap-Weighted: Broad/Large
12	VDU	Vanguard FTSE Developed All Cap Ex US Index ETF	42.76	414	58	0.22	ETF	2013-08-12	2.54	Cap-Weighted: Broad/Large
13	VI	Vanguard FTSE Developed All Cap ex N. Am Curr-H	39.51	351	19	0.22	ETF	2015-12-08	2.43	Cap-Weighted: Broad/Large
14	SITI	Scotia International Equity Index Tracker ETF	26.47	299	33	0.22	ETF	2020-11-03	2.65	Cap-Weighted: Broad/Large
15	FLUR	Franklin International Equity Index ETF	28.25	248	47	0.10	ETF	2019-02-20	2.52	Cap-Weighted: Broad/Large
16	CIEI	CIBC International Equity Index ETF	23.04	42	4	0.19	ETF	2021-03-31	2.81	Cap-Weighted: Broad/Large
17	THE	TD International Equity Curr-H Index ETF	25.43	39	8	0.19	ETF	2016-03-30	2.42	Cap-Weighted: Broad/Large
18	QDXH	Mackenzie International Equity Index ETF Curr-H	133.84	35	1	0.19	ETF	2018-01-29	2.51	Cap-Weighted: Broad/Large
19	XEF/U	iShares Core MSCI EAFE IMI Index ETF (US\$)	37.35	25	3	0.21	ETF	2019-10-15	2.62	Cap-Weighted: Broad/Large
20	CIEH	CIBC International Equity Index ETF Curr-H	21.00	2	1	0.19	ETF	2023-02-27	0.38	Cap-Weighted: Broad/Large
21	ZDI	BMO International Dividend ETF	23.75	474	36	0.44	ETF	2014-11-12	4.09	Dividend/Income
22	ZDH	BMO International Dividend Curr-H ETF	27.31	218	14	0.44	ETF	2015-09-09	4.00	Dividend/Income
23	VIDY	Vanguard FTSE Developed EX N. Am High Div Yield	30.36	156	46	0.31	ETF	2018-08-28	3.60	Dividend/Income
24	RID	RBC Quant EAFE Dividend Leaders ETF	26.06	110	7	0.54	ETF	2014-01-15	3.52	Dividend/Income
25	FCID	Fidelity International High Dividend ETF/Canada	26.48	72	9	0.51	ETF	2018-09-18	4.35	Dividend/Income
26	RIDH	RBC Quant EAFE Dividend Leaders Curr-H ETF	28.93	42	3	0.54	ETF	2014-10-22	3.48	Dividend/Income
27	RID/U	RBC Quant EAFE Dividend Leaders ETF (US\$)	25.86	6	1	0.54	ETF	2014-01-15	3.52	Dividend/Income
28	FLVI	Franklin Intl Low Vol High Dividend Index ETF	20.03	4	NA	0.28**	ETF	2024-03-25	NA	Dividend/Income
29	GIES	Guardian International Equity Select Fund/ETF	22.42	1	2	0.73	ETF	2023-11-14	NA	Dividend/Income
30	FCIM	Fidelity International Momentum ETF	12.11	83	18	0.39	ETF	2020-06-10	1.47	Factor: Momentum
31	ZXM	CI Morningstar Intl Momentum Index ETF Curr-H	42.38	35	1	0.69	ETF	2014-11-18	3.13	Factor: Momentum

* Please see more details about MER disclosures in Glossary Appendix on page 86.

INTERNATIONAL DEVELOPED EQUITY										Grouped by strategy and sorted by AUM
64	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
32	ZXM/B	CI Morningstar International Momentum Index ETF	38.40	23		1 0.67	ETF	2014-11-18	3.45	Factor: Momentum
33	MINT/B	Manulife Multifactor Developed Intl Index ETF	33.29	576	14	0.45	ETF	2017-04-17	2.64	Factor: Multi-Factor
34	IQD/B	CI WisdomTree International Qu	30.67	224	45	0.54	ETF	2016-07-14	1.88	Factor: Multi-Factor
35	IQD	CI WisdomTree International Qu Curr-H	35.61	173	41	0.53	ETF	2016-07-14	1.62	Factor: Multi-Factor
36	QIE	AGF Systematic International Equity ETF	31.92	61	4	0.45	ETF	2017-01-30	2.66	Factor: Multi-Factor
37	IIMF	Invesco Intl Developed Dynamic Multifactor	21.51	55	12	0.44	ETF	2023-07-13	NA	Factor: Multi-Factor
38	MINT	Manulife Multifactor Developed Intl Curr-H	38.05	34	2	0.51	ETF	2017-04-17	2.58	Factor: Multi-Factor
39	FCIN	Fidelity All-International Equity ETF	10.73	29	62	0.51	ETF	2024-02-01	NA	Factor: Multi-Factor
40	DQJ	CI WisdomTree Intl Div Grwth Variably Hedged	32.36	19	5	0.71	ETF	2016-07-14	1.72	Factor: Multi-Factor
41	FLDM	Franklin International Multifactor Index ETF	23.71	7	1	0.45	ETF	2017-06-05	3.15	Factor: Multi-Factor
42	IIMF/F	Invesco Intl Developed Dynamic Multifactor Curr-H	22.16	4	4	0.44	ETF	2023-07-13	NA	Factor: Multi-Factor
43	FCIQ	Fidelity International High Quality ETF	37.67	524	56	0.50	ETF	2019-01-18	1.85	Factor: Quality
44	FCIU/U	Fidelity International High Quality ETF (US\$)	37.67	524	2	0.50	ETF	2021-12-01	1.89	Factor: Quality
45	VXM/B	CI Morningstar International Value Index ETF	29.61	269	33	0.66	ETF	2014-11-18	3.48	Factor: Value
46	FCIV	Fidelity International Value ETF	34.86	210	50	0.52	ETF	2020-06-10	3.41	Factor: Value
47	CIE	iShares International Fundamental Index ETF	24.41	142	7	0.73	ETF	2007-02-13	2.89	Factor: Value
48	VXM	CI Morningstar International Value Index Curr-H	32.92	16	2	0.66	ETF	2014-11-18	3.12	Factor: Value
49	NINT	NBI Active International Equity ETF	25.25	700	0.4	0.69	ETF	2021-02-11	1.23	Pure Active
50	IDIV/B	Manulife Smart International Dividend ETF	13.47	222	8	0.40	ETF	2022-11-09	1.71	Pure Active
51	CINT	CIBC International Equity ETF	23.30	73	10	0.89	ETF	2020-07-27	4.50	Pure Active
52	PID	Purpose International Dividend Fund	22.86	71	6	0.68	ETF	2015-04-22	4.11	Pure Active
53	DXIF	Dynamic Active International ETF	23.84	5	2	0.83	ETF	2021-03-31	2.12	Pure Active
54	PHW	Purpose International Tactical Hedged Equity Fund	18.44	4	0.4	1.00	Corp Class	2015-04-22	2.44	Pure Active
55	IDEF/B	Manulife Smart International Defensive Equity ETF	11.47	3	0.5	0.35	ETF	2022-11-09	2.74	Pure Active
56	RINT	RBC International Equity Fund/ETF	23.09	1	0.1	0.85	ETF	2023-03-08	1.26	Pure Active
57	ZLI	BMO Low Volatility International Equity ETF	24.32	340	11	0.45	ETF	2015-09-09	2.66	Risk
58	XMI	iShares MSCI Min Vol EAFE Index	36.58	115	15	0.37	ETF	2012-07-30	2.48	Risk
59	FCIL	Fidelity International Low Volatility ETF	28.93	79	5	0.49	ETF	2019-01-18	1.84	Risk
60	TILV	TD Q International Low Volatility ETF	15.54	67	10	0.40	ETF	2019-05-09	3.47	Risk
61	XML	iShares MSCI Min Vol EAFE Index ETF Curr-H	26.49	29	1	0.37	ETF	2016-04-11	2.41	Risk
62	MXU	Mackenzie Max Div All World Dev EX N. Am	22.15	24	4	0.56	ETF	2016-09-08	2.83	Risk
63	ZLD	BMO Low Volatility International Equity Curr-H ETF	26.78	23	4	0.44	ETF	2016-02-10	2.57	Risk
64	CQLI	CIBC Qx International Low Volatility Dividend ETF	19.50	2	0.3	0.46	ETF	2021-11-17	3.59	Risk

EMERGING MARKETS EQUITY										Grouped by strategy and sorted by AUM
27	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	VEE	Vanguard FTSE Emerging Markets All Cap Index ETF	34.03	1,763	103	0.24	ETF	2011-12-06	2.70	Cap-Weighted: Broad/Large
2	XEC	iShares Core MSCI Emerging Markets IMI Index ETF	26.88	1,492	185	0.27	ETF	2013-04-12	2.04	Cap-Weighted: Broad/Large
3	ZEM	BMO MSCI Emerging Markets Index ETF	20.07	1,338	189	0.28	ETF	2009-10-26	2.73	Cap-Weighted: Broad/Large
4	XEM	iShares MSCI Emerging Markets Index ETF	30.74	216	33	0.81	ETF	2009-06-18	2.28	Cap-Weighted: Broad/Large
5	SITE	Scotia Emerging Markets Equity Index Tracker ETF	23.75	106	8	0.34	ETF	2022-10-11	3.17	Cap-Weighted: Broad/Large
6	HXEM	Horizons Emerging Markets Equity Index ETF	34.20	97	10	0.28*	Corp (Swap)	2020-08-05	-	Cap-Weighted: Broad/Large
7	CEMI	CIBC Emerging Markets Equity Index ETF	17.57	61	1	0.30	ETF	2021-09-16	NA	Cap-Weighted: Broad/Large
8	QEE	Mackenzie Emerging Markets Equity Index ETF	88.43	43	1	0.22	ETF	2022-02-08	3.46	Cap-Weighted: Broad/Large
9	XEMC	iShares MSCI Emerging Markets ex China Index ETF	46.38	16	7	0.34	ETF	2023-02-07	1.56	Cap-Weighted: Broad/Large
10	XEC/U	iShares Core MSCI Emerg Mkts IMI Index ETF (US\$)	27.68	3	1	0.27	ETF	2019-10-28	2.02	Cap-Weighted: Broad/Large
11	FLEM	Franklin Emerging Market Equity Index ETF	16.18	3	1	0.17	ETF	2018-01-29	4.12	Cap-Weighted: Broad/Large
12	RXD	RBC Quant Emerging Markets Dividend Leaders ETF	19.62	42	3	0.71	ETF	2014-10-22	3.59	Dividend/Income
13	EMV/B	CI WisdomTree Emerg Mkts Dividend Index ETF	27.95	42	7	0.46	ETF	2017-09-21	3.89	Dividend/Income
14	RXD/U	RBC Quant Emerg Mkts Dividend Leaders ETF (US\$)	19.90	2	2	0.71	ETF	2014-10-22	3.59	Dividend/Income
15	MEME/B	Manulife Multifactor Emerging Markets Index ETF	27.75	407	1	0.74	ETF	2018-12-11	2.48	Factor: Multi-Factor
16	QEM	AGF Systematic Emerging Markets Equity ETF	24.89	50	2	0.45	ETF	2017-01-30	2.28	Factor: Multi-Factor
17	CWO	iShares Emerging Markets Fundamental Index ETF	35.10	49	1	0.71	ETF	2009-04-07	4.76	Factor: Value
18	CIEM	CI Emerging Markets Alpha ETF	18.83	125	74	1.12	ETF	2021-08-31	1.64	Pure Active
19	REM	Purpose Emerging Markets Dividend Fund	15.20	9	1	1.15*	ETF	2017-08-23	7.48	Pure Active
20	AEMX	AGF Emerging Markets EX China Fund	27.94	4	0.2	1.02	ETF	2023-10-02	NA	Pure Active
21	DXEM	Dynamic Active Emerging Markets ETF	13.08	2	2	0.96	ETF	2021-06-15	-	Pure Active
22	CIEM/U	CI Emerging Markets Alpha ETF (US\$)	25.83	1	3	1.08	ETF	2021-09-01	1.65	Pure Active
23	REMD	RBC Emerging Markets Dividend Fund/ETF	21.70	1	0.1	0.96	ETF	2023-03-08	1.83	Pure Active
24	FEME	Forstrong Emerging Markets Equity ETF	19.85	1	1	0.79	ETF	2023-08-09	NA	Pure Active
25	ZLE	BMO Low Volatility Emerging Markets Equity ETF	17.60	70	2	0.50	ETF	2016-05-17	3.41	Risk
26	MEE	Mackenzie Max Diversification Emerg Mkts	26.00	67	4	0.57	ETF	2017-01-23	1.69	Risk
27	XMM	iShares MSCI Min Vol Emerging Markets Index ETF	27.43	60	8	0.42	ETF	2012-07-30	2.44	Risk

* Please see more details about MER disclosures in Glossary Appendix on page 86.

REGIONAL EQUITY										Grouped by region and sorted by AUM
21	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Region
1	VA	Vanguard FTSE Dev Asia Pacific All Cap Index ETF	38.91	97	15	0.22	ETF	2014-06-30	2.58	Asia Pacific
2	ZEQ	BMO MSCI Europe High Quality Curr-H Index ETF	31.27	784	33	0.45	ETF	2014-02-14	2.36	Europe
3	XEU	iShares MSCI Europe IMI Index ETF	29.95	313	17	0.28	ETF	2014-04-22	2.80	Europe
4	VE	Vanguard FTSE Developed Europe All Cap Index ETF	35.42	180	6	0.22	ETF	2014-06-30	2.73	Europe
5	XEH	iShares MSCI Europe IMI Index ETF Curr-H	32.92	145	16	0.28	ETF	2014-04-24	2.79	Europe
6	HXX	Horizons Europe 50 Index ETF	51.26	107	11	0.19*	Corp (Swap)	2016-12-07	-	Europe
7	RPD	RBC Quant European Dividend Leaders ETF	25.30	30	1	0.54	ETF	2014-10-22	3.35	Europe
8	RPDH	RBC Quant European Dividend Leaders Curr-H ETF	26.68	16	1	0.54	ETF	2014-10-22	3.23	Europe
9	MEU	Mackenzie Max Diversification Developed Europe	22.36	7	2	0.56	ETF	2016-09-08	3.68	Europe
10	EQE	INVESCO S&P EUROPE 350 EQUAL WEIGHT INDEX	21.39	6	1	0.34	ETF	2018-09-27	3.71	Europe
11	EHE	CI WisdomTree Europe Hedged Eq Curr-H	35.27	5	0.4	0.73	ETF	2016-07-14	3.05	Europe
12	EHE/B	CI WisdomTree Europe Hedged Eq	31.77	5	0.2	0.70	ETF	2017-08-10	3.39	Europe
13	RPD/U	RBC Quant European Dividend Leaders ETF (US\$)	24.16	2	0.2	0.54	ETF	2014-10-22	3.34	Europe
14	EQE/F	Invesco S&P Europe 350 Eql Wght Index Curr-H	23.29	1	0.1	0.34	ETF	2018-09-27	3.71	Europe
15	PDF	Purpose Core Dividend Fund	31.51	165	8	0.66	Corp Class	2013-09-03	4.04	North America
16	FCGC	Fidelity Greater Canada Fund/ETF	11.70	76	42	0.96	ETF	2023-05-25	NA	North America
17	ZJG	BMO Junior Gold Index ETF	71.35	65	3	0.61	ETF	2010-01-21	0.83	North America
18	FCLC	Fidelity Canadian Large Cap Fund/ETF	10.46	56	15	0.96	ETF	2023-05-25	NA	North America
19	RDE	Purpose Core Equity Income Fund	25.84	32	3	1.06	Corp Class	2017-05-24	3.72	North America
20	RNAG	RBC North American Growth Fund/ETF	24.38	11	2	0.68	ETF	2023-03-08	1.14	North America
21	RNAV	RBC North American Value Fund/ETF	23.45	11	3	0.68	ETF	2023-03-08	1.70	North America

SINGLE COUNTRY EQUITY										Grouped by country and sorted by AUM
11	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Country
1	HBA	Hamilton Australian Bank Equal-Weight Index ETF	24.65	132	9	0.70	ETF	2020-06-29	6.09	Australia
2	XCH	iShares China Index ETF	15.52	113	102	0.86	ETF	2010-01-21	2.73	China
3	QCH	Mackenzie China A-Shares CSI 300 Index ETF	77.40	21	1	0.70	ETF	2018-02-01	2.67	China
4	CHNA/B	CI ICBCS S&P China 500 Index ETF	19.32	12	8	0.63	ETF	2018-08-03	3.13	China
5	XID	iShares India Index ETF	52.11	105	18	0.99	ETF	2010-01-21	0.41	India
6	JAPN/B	CI WisdomTree Japan Equity Index ETF	34.68	1,032	208	0.52	ETF	2018-08-03	1.64	Japan
7	ZJPN	BMO Japan Index ETF	35.27	716	36	0.40	ETF	2022-01-27	1.85	Japan
8	CJP	iShares Japan Fundamental Index ETF Curr-H	27.99	122	29	0.72	ETF	2007-02-13	0.93	Japan
9	FLJA	Franklin FTSE Japan Index ETF	27.17	48	5	0.10	ETF	2019-02-20	1.63	Japan
10	JAPN	CI WisdomTree Japan Equity Index ETF Curr-H	49.04	27	9	0.53	ETF	2018-08-03	1.16	Japan
11	ZJPN/F	BMO Japan Index ETF Curr-H	47.02	9	5	0.40	ETF	2022-01-27	1.56	Japan

THEMATIC EQUITY										Grouped by theme and sorted by AUM
79	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Theme
1	COW	iShares Global Agriculture Index ETF	65.53	321	8	0.71	ETF	2007-12-18	1.55	Agriculture
2	ZEAT	BMO Global Agriculture ETF	26.35	4	2	0.40	ETF	2023-01-23	1.83	Agriculture
3	RBOT	Horizons Robotics & AI Index ETF Curr-H	30.93	57	7	0.60	ETF	2017-11-29	0.10	Auto & Robotics
4	RBOT/U	Horizons Robotics & AI Index ETF (US\$)	30.93	57	1	0.60	ETF	2018-04-30	0.10	Auto & Robotics
5	CARS	Evolve Automobile Innovation Index Fund Curr-H	20.50	26	5	0.62	ETF	2017-09-29	1.21	Auto & Robotics
6	XDRV	iShares Global Electric and Autonomous Vehicles	40.17	5	1	0.44	ETF	2023-02-07	0.49	Auto & Robotics
7	CARS/B	Evolve Automobile Innovation Index Fund	23.05	2	0.3	0.62	ETF	2017-09-29	1.04	Auto & Robotics
8	CARS/U	Evolve Automobile Innovation Index Fund (US\$)	26.89	1	2	0.61	ETF	2017-11-03	1.20	Auto & Robotics
9	TKN/U	Ninepoint Web3 Innovators Fund (US\$)	20.22	33	8	1.45	ETF†	2021-05-06	-	Blockchain Technology
10	TKN	Ninepoint Web3 Innovators Fund	20.22	33	30	1.45	ETF†	2021-05-06	-	Blockchain Technology
11	HLBK	Blockchain Technologies ETF	17.10	27	7	0.98	ETF	2018-02-07	-	Blockchain Technology
12	HBGD	Horizons Big Data & Hardware Index ETF Curr-H	28.13	18	5	0.55	ETF	2018-06-21	0.64	Blockchain Technology
13	HBGD/U	Horizons Big Data & Hardware Index ETF (US\$)	28.13	18	1	0.55	ETF	2018-06-21	0.66	Blockchain Technology
14	BLCK	FT Indxx Innovative Transaction and Process	28.90	2	1	0.81	ETF	2018-03-23	1.70	Blockchain Technology
15	CBCX	CI Galaxy Blockchain Index ETF Curr-H	22.89	1	1	0.71	ETF	2022-04-28	0.05	Blockchain Technology
16	DATA	Evolve Cloud Computing Index Fund Curr-H	23.63	17	3	0.82	ETF	2021-01-11	0.51	Cloud Computing & Big Data
17	ARKW	BMO ARK Next Generation Internet Fund ETF Series	26.55	5	2	0.85	ETF	2022-11-17	-	Cloud Computing & Big Data
18	SKYY	FirstTrust Cloud Computing ETF	22.84	3	3	0.76	ETF	2014-10-30	-	Cloud Computing & Big Data
19	DATA/B	Evolve Cloud Computing Index Fund	25.59	2	1	0.83	ETF	2021-01-11	0.47	Cloud Computing & Big Data
20	CYBR	Evolve Cyber Security Index Fund Curr-H	47.59	147	6	0.62	ETF	2017-09-20	0.26	Cybersecurity
21	CIBR	FirstTrust Nasdaq Cybersecurity ETF - CAD	44.31	46	6	0.76	ETF	2014-10-30	0.41	Cybersecurity
22	CYBR/B	Evolve Cyber Security Index Fund	54.53	23	7	0.63	ETF	2017-09-20	0.22	Cybersecurity
23	XHAK	iShares Cybersecurity And Tech Index ETF	46.50	13	3	0.44	ETF	2022-04-26	2.63	Cybersecurity
24	CYBR/U	Evolve Cyber Security Index Fund (US\$)	73.17	5	1	0.62	ETF	2019-05-16	0.22	Cybersecurity

* Please see more details about MER disclosures in Glossary Appendix on page 86.

THEMATIC EQUITY										Grouped by theme and sorted by AUM
79	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Theme
25	HBUG	Horizons GX Cybersecurity Index ETF Curr-H	23.38	3	1	0.54	ETF	2021-12-02	1.49	Cybersecurity
26	CBUG	CI Digital Security Index ETF Curr-H	24.83	2	4	0.47	ETF	2022-02-24	1.19	Cybersecurity
27	CDNA	CI Bio-Revolution Index ETF Curr-H	17.20	5	1	0.50	ETF	2022-02-24	0.42	Genomics
28	XDNA	iShares Genomics Immunology and Healthcare	33.39	5	2	0.44	ETF	2022-04-26	0.24	Genomics
29	ARKG	BMO ARK Genomic Revolution Fund ETF Series	12.52	5	5	0.85	ETF	2022-11-17	0.85	Genomics
30	NREA	NBI Global Real Assets Income ETF	19.45	1,136	27	0.90	ETF	2019-02-28	4.40	Infrastructure
31	ZGI	BMO Global Infrastructure Index ETF	42.84	620	92	0.61	ETF	2010-01-21	3.29	Infrastructure
32	CIF	iShares Global Infrastructure Index ETF	41.77	442	47	0.73	ETF	2008-08-27	2.64	Infrastructure
33	CINF	CI Global Infrastructure Private Pool ETF	24.52	262	62	0.90	ETF	2020-05-26	3.41	Infrastructure
34	QIF	AGF Systematic Global Infrastr	29.89	208	10	0.45	ETF	2018-02-12	4.89	Infrastructure
35	TINF	TD Active Global Infrastructure Equity ETF	18.29	115	11	0.70	ETF	2020-04-28	3.29	Infrastructure
36	BGIF	BMO Global Infrastructure Fund	15.85	49	5	1.19	ETF	2023-05-30	NA	Infrastructure
37	MINF	Middlefield Sustainable Infrastructure Dividend ETF	9.15	28	6	1.81	ETF	2020-03-25	5.52	Infrastructure
38	DXN	Dynamic Active Global Infrastructure ETF	19.69	27	3	0.95	ETF	2020-02-20	2.51	Infrastructure
39	FCII	Franklin Clearbridge Sustainable Global Infr Income	20.53	16	2	0.96	ETF	2021-06-29	4.19	Infrastructure
40	SCGI	Starlight Global Infrastructure Fund	10.42	8	1	1.23	ETF	2018-10-02	5.55	Infrastructure
41	CGRA	CI Global Real Asset Private Pool ETF	21.00	6	0.5	1.10	ETF	2020-05-26	4.42	Infrastructure
42	QINF	Mackenzie Global Infrastructure Index ETF	116.03	6	1	0.45	ETF	2020-09-30	3.10	Infrastructure
43	CGRN/U	CI Global Sustainable Infrastructure Fund (US\$)	26.96	1	0.0	1.04	ETF	2022-09-27	2.96	Infrastructure
44	CGRN	CI Global Sustainable Infrastructure Fund	19.81	1	1	1.04	ETF	2022-09-27	3.03	Infrastructure
45	FINN/U	Fidelity Global Innovators ETF (US\$)	15.58	213	15	0.96	ETF	2023-05-25	NA	Innovation
46	FINN	Fidelity Global Innovators ETF	15.58	213	175	0.96	ETF	2023-05-25	NA	Innovation
47	INAI	Invesco Morningstar Global Next Gen AI Index ETF	23.26	180	221	0.40	ETF	2024-01-18	NA	Innovation
48	MINN	Middlefield Innovation Dividend ETF	18.50	99	12	1.52	ETF	2018-03-23	2.15	Innovation
49	EDGE	Evolve Innovation Index Fund Curr-H	36.55	49	2	0.67	ETF	2018-05-02	0.06	Innovation
50	ARKK	BMO ARK Innovation Fund ETF Series	19.76	30	13	0.85	ETF	2022-11-17	-	Innovation
51	XEXP	iShares Exponential Technologies Index ETF	48.56	15	2	0.44	ETF	2022-04-26	0.62	Innovation
52	FOUR	Horizons Industry 4 0 Index ETF Curr-H	48.51	9	2	0.55	ETF	2018-11-01	-	Innovation
53	INAI/F	Invesco Mgstar Global Next Gen AI Index Curr-H	23.10	7	6	0.40	ETF	2024-01-18	NA	Innovation
54	FINO	Franklin Innovation Active ETF	22.09	7	1	0.90	ETF	2021-02-04	-	Innovation
55	CINV	CI Global Alpha Innovation ETF	21.63	5	2	1.15	ETF	2021-08-17	-	Innovation
56	EDGE/U	Evolve Innovation Index Fund (US\$)	26.48	3	1	0.67	ETF	2021-01-11	0.10	Innovation
57	BGIN	BMO Global Innovators Fund/ETF	20.03	2	1	1.07	ETF	2023-06-26	NA	Innovation
58	ARTI	Evolve Artificial Intelligence Fund	9.89	2	NA	0.68	ETF	2024-03-25	NA	Innovation
59	PINV	Purpose Global Innovators Fund	22.78	1	0.3	1.26	Corp Class	2018-04-05	-	Innovation
60	CINV/U	CI Global Alpha Innovation ETF (US\$)	29.92	1	0.0	1.15	ETF	2021-08-17	-	Innovation
61	HMMJ	Horizons Marijuana Life Sciences Index ETF	10.99	91	44	0.86	ETF	2017-04-05	2.53	Marijuana
62	HMMJ/U	Horizons Marijuana Life Sciences Index ETF (US\$)	10.99	91	0.4	0.86	ETF	2017-06-16	2.52	Marijuana
63	MJ	Purpose Marijuana Opportunities Fund	8.94	2	0.4	1.09	ETF	2018-02-01	0.43	Marijuana
64	FMTV	Fidelity Total Metaverse ETF	13.86	7	1	0.57	ETF	2022-05-13	0.38	Metaverse
65	MTAV	Horizons Global Metaverse Index ETF Curr-H	26.48	6	1	0.65	ETF	2021-11-29	-	Metaverse
66	CMVX	CI Galaxy Metaverse Index ETF Curr-H	25.11	1	0.3	0.66	ETF	2022-04-28	0.23	Metaverse
67	NGPE	NBI Global Private Equity ETF	45.23	407	1	0.63	ETF	2020-03-04	1.65	Other
68	WSHR	Wealthsimple Shariah World Equity Index ETF	29.74	222	20	0.56	ETF	2021-05-12	1.32	Other
69	QXM	CI Morningstar National Bank Quebec Index ETF	28.19	71	2	0.57	ETF	2012-02-06	1.33	Other
70	RTT	Purpose Tactical Thematic Fund	24.32	17	1	0.57	ETF	2023-10-19	NA	Other
71	PBI	Purpose Best Ideas Fund Curr-H	41.34	12	1	0.11	Corp Class	2014-04-29	-	Other
72	NFAM	NBI Canadian Family Business ETF	28.27	4	5	0.40	ETF	2019-02-08	1.53	Other
73	PBI/B	Purpose Best Ideas Fund	51.81	3	1	0.11	Corp Class	2014-10-30	-	Other
74	CHPS/U	Horizons Global Semiconductor Index ETF (US\$)	38.33	81	2	0.55	ETF	2021-06-22	0.45	Semiconductor
75	CHPS	Horizons Global Semiconductor Index ETF	38.33	81	39	0.55	ETF	2021-06-22	0.44	Semiconductor
76	XCHP	iShares Semiconductor Index ETF	53.05	8	5	0.40	ETF	2023-09-06	NA	Semiconductor
77	TRVL	Harvest Travel & Leisure Index ETF	25.41	86	19	0.62	ETF	2021-01-07	-	Travel
78	TRVL/U	Harvest Travel & Leisure Index ETF (US\$)	32.58	7	0.5	0.62	ETF	2021-01-07	-	Travel
79	CWW	iShares Global Water Index ETF	54.62	326	7	0.66	ETF	2007-06-01	1.21	Water

ESG EQUITY										Grouped by focus and sorted by AUM
84	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Focus
1	NSCE	NBI Sustainable Canadian Equity ETF	39.24	1,985	61	0.69	ETF	2020-03-04	1.23	Broad - Canada
2	XESG	iShares ESG Aware MSCI Canada	26.84	385	17	0.16	ETF	2019-03-21	2.82	Broad - Canada
3	XCSR	iShares ESG Advanced MSCI Canada Index ETF	64.34	199	6	0.17	ETF	2020-04-21	2.55	Broad - Canada
4	XEN	iShares Jantzi Social Index ETF	33.77	112	6	0.55	ETF	2007-05-14	2.36	Broad - Canada
5	ESGA	BMO MSCI Canada ESG Leaders Index ETF	35.06	92	4	0.17	ETF	2020-01-21	2.90	Broad - Canada

* Please see more details about MER disclosures in Glossary Appendix on page 86.

ESG EQUITY										Grouped by focus and sorted by AUM
84	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Focus
6	ESGC	Invesco S&P/TSX Composite ESG Index ETF	25.32	73	5	0.16	ETF	2020-09-30	3.22	Broad - Canada
7	TMEC	TD Morningstar ESG Canada Equity Index ETF	19.53	21	3	0.11	ETF	2020-12-01	2.88	Broad - Canada
8	ICAE	Invesco S&P/TSX Cdn Dividend Aristocrats ESG	20.40	7	1	0.23	ETF	2023-02-23	3.60	Broad - Canada
9	SRIC	Scotia Responsible Investing Canadian Equity	20.73	5	1	0.21	ETF	2022-01-13	2.65	Broad - Canada
10	IXTE	Invesco S&P/TSX 60 ESG Tilt Index ETF	19.85	3	1	0.17	ETF	2022-01-20	3.30	Broad - Canada
11	CSCE	CIBC Sustainable Canadian Equity ETF	20.48	1	0.0	0.73	ETF	2021-07-19	2.09	Broad - Canada
12	ICTE	Invesco S&P/TSX Composite ESG Tilt Index ETF	20.17	1	0.3	0.17	ETF	2022-01-20	3.14	Broad - Canada
13	WSRI	Wealthsimple N. Am Socially Responsible Index ETF	40.60	661	26	0.22	ETF	2020-06-16	1.35	Broad - DM
14	WSRD	Wealthsimple DM EX NA Socially Responsible	28.53	611	38	0.28	ETF	2020-06-16	2.26	Broad - DM
15	XSEA	iShares ESG Aware MSCI EAFE Index ETF	25.59	205	10	0.28	ETF	2019-03-21	2.48	Broad - DM
16	XDSR	iShares ESG Advanced MSCI EAFE Index ETF	57.76	144	6	0.28	ETF	2020-04-21	1.79	Broad - DM
17	ESGE	BMO MSCI EAFE ESG Leaders Index ETF	34.04	85	3	0.28	ETF	2020-01-21	2.74	Broad - DM
18	SRII	Scotia Responsible Investing Intl Equity Index ETF	22.08	29	6	0.26	ETF	2022-01-13	1.64	Broad - DM
19	IICE	Invesco S&P International Developed ESG Index ETF	22.35	23	114	0.28	ETF	2022-01-20	2.24	Broad - DM
20	IIAE/F	Invesco S&P Intl Dev Div Aristocrats ESG Curr-H	23.31	14	5	0.40	ETF	2023-02-23	2.29	Broad - DM
21	TMEI	TD Morningstar ESG International Equity Index ETF	17.15	7	1	0.23	ETF	2020-12-01	2.25	Broad - DM
22	FCSI	Franklin Clearbridge Sustainable Intl Growth Active	21.29	6	2	0.96	ETF	2021-06-29	0.55	Broad - DM
23	IICE/F	Invesco S&P Intl Developed ESG Index ETF Curr-H	23.61	2	0.2	0.28	ETF	2022-01-20	2.62	Broad - DM
24	IITE	Invesco S&P Intl Developed ESG Tilt Index ETF	20.58	2	1	0.28	ETF	2022-01-20	2.32	Broad - DM
25	IIAE	Invesco S&P Intl Developed Div Aristocrats ESG	23.18	1	1	0.40	ETF	2023-02-23	2.34	Broad - DM
26	IITE/F	Invesco S&P Intl Developed ESG Tilt Curr-H	20.56	1	0.2	0.28	ETF	2022-01-20	2.45	Broad - DM
27	XSEM	iShares ESG Aware MSCI Emerg Mkts Index ETF	19.20	2,930	87	0.31	ETF	2019-03-21	1.09	Broad - EM
28	ZID	BMO MSCI India ESG Leaders Ind	45.74	146	21	0.67	ETF	2010-01-21	1.09	Broad - EM
29	ZCH	BMO MSCI China ESG Leaders Index ETF	12.31	81	32	0.67	ETF	2010-01-21	3.98	Broad - EM
30	NSGE	NBI Sustainable Global Equity ETF	39.40	531	28	0.75	ETF	2020-03-04	0.43	Broad - Global
31	FCSW	Fidelity Sustainable World ETF	42.20	177	8	0.62	ETF	2019-06-06	1.11	Broad - Global
32	CESG/B	CI MSCI World ESG Impact Index ETF	32.82	69	2	0.40	ETF	2019-09-12	1.41	Broad - Global
33	MDIV	Middlefield Sustainable Global Dividend ETF	15.70	61	5	1.30	ETF	2013-03-22	4.59	Broad - Global
34	ESGG	BMO MSCI Global ESG Leaders Index ETF	44.76	36	3	0.28	ETF	2020-01-21	1.41	Broad - Global
35	CESG	CI MSCI World ESG Impact Index ETF Curr-H	34.00	12	1	0.39	ETF	2019-09-12	1.36	Broad - Global
36	MCKG	Mackenzie Corporate Knights Global 100 Index ETF	19.69	9	2	0.57	ETF	2023-04-18	1.46	Broad - Global
37	CSGE	CIBC Sustainable Global Equity ETF	21.53	2	0.3	0.90	ETF	2021-07-19	0.45	Broad - Global
38	ESGY	BMO MSCI USA ESG Leaders Index ETF	51.13	1,921	4	0.22	ETF	2020-01-21	1.02	Broad - U.S.
39	XSUS	iShares ESG Aware MSCI USA Index ETF	37.73	454	15	0.22	ETF	2019-03-21	1.02	Broad - U.S.
40	ESG	Invesco S&P 500 ESG Index ETF	37.48	320	57	0.17	ETF	2020-03-05	1.00	Broad - U.S.
41	XUSR	iShares ESG Advanced MSCI USA Index ETF	78.57	202	5	0.22	ETF	2020-04-21	0.82	Broad - U.S.
42	QQCE	Invesco Esg Nasdaq 100 Index ETF	24.97	100	20	0.22	ETF	2021-11-15	0.40	Broad - U.S.
43	SRIU	Scotia Responsible Investing US Equity Index ETF	25.36	79	13	0.20	ETF	2022-01-13	0.83	Broad - U.S.
44	ESG/F	Invesco S&P 500 ESG Index ETF Curr-H	35.50	58	4	0.16	ETF	2020-03-05	1.08	Broad - U.S.
45	IUAE/F	Invesco S&P US Dividend Aristocrats ESG Curr-H	21.74	21	8	0.34	ETF	2023-02-23	1.58	Broad - U.S.
46	TMEU	TD Morningstar ESG U.S. Equity Index ETF	21.89	13	2	0.17	ETF	2020-12-01	1.06	Broad - U.S.
47	ESGY/F	BMO MSCI USA ESG Leaders Index ETF Curr-H	40.66	6	1	0.23	ETF	2021-01-26	1.19	Broad - U.S.
48	IUTE	Invesco S&P US Total Market ESG Tilt Index ETF	22.32	4	1	0.23	ETF	2022-01-20	1.00	Broad - U.S.
49	QQCE/F	Invesco Esg Nasdaq 100 Index ETF	22.41	2	1	0.23	ETF	2021-11-15	0.47	Broad - U.S.
50	IUTE/F	Invesco S&P US Total Market ESG Tilt Curr-H	19.77	2	1	0.23	ETF	2022-01-20	0.99	Broad - U.S.
51	ISTE	Invesco S&P 500 ESG Tilt Index ETF	24.00	1	0.3	0.17	ETF	2022-01-20	1.25	Broad - U.S.
52	IUCE	Invesco S&P US Total Market ESG Index ETF	22.45	1	0.1	0.23	ETF	2022-01-20	1.24	Broad - U.S.
53	DSAE	Desjardins SocieTerra American Equity ETF	23.71	1	0.3	0.91	ETF	2022-01-28	0.20	Broad - U.S.
54	ISTE/F	Invesco S&P 500 ESG Tilt Index ETF Curr-H	20.61	1	0.1	0.17	ETF	2022-01-24	1.32	Broad - U.S.
55	IUAE	Invesco S&P US Dividend Aristocrats ESG Index ETF	22.37	1	3	0.34	ETF	2023-02-23	1.55	Broad - U.S.
56	IUCE/F	Invesco S&P US Total Market ESG Index ETF Curr-H	20.48	1	0.1	0.23	ETF	2022-01-20	1.34	Broad - U.S.
57	QQJE	Invesco Esg Nasdaq Next Gen 100 Index ETF	19.09	1	1	0.22	ETF	2021-11-15	0.47	Broad - U.S.
58	QQJE/F	Invesco Esg Nasdaq Next Gen 100 Index ETF	15.18	1	0.0	0.23	ETF	2021-11-15	0.53	Broad - U.S.
59	CCLN	CIBC Clean Energy Index ETF	8.48	1	1	0.38	ETF	2021-11-17	-	Clean Energy - DM
60	ZCLN	BMO Clean Energy Index ETF	14.74	69	7	0.40	ETF	2021-01-26	1.52	Clean Energy - Global
61	HCLN	Harvest Clean Energy ETF	8.73	24	6	0.69	ETF	2021-01-07	-	Clean Energy - Global
62	GRNI	BMO Brookfield Global Renewables Infr Fund	26.13	11	3	0.90	ETF	2022-03-04	2.66	Clean Energy - Global
63	XCLN	iShares Global Clean Energy Index ETF	31.62	6	2	0.36	ETF	2022-04-26	1.27	Clean Energy - Global
64	DXET	Dynamic Active Energy Evolution ETF	17.54	2	0.4	0.95	ETF	2021-06-15	1.38	Clean Energy - Global
65	QCLN	First Trust Nasdaq Clean Edge Green Energy ETF	15.40	9	4	0.74	ETF	2014-10-30	0.47	Clean Energy - U.S.
66	DRFC	Desjardins RI Canada Multifactor - Net-Zero	27.96	243	146	0.45	ETF	2018-09-27	1.78	Environment - Canada
67	DRMC	Desjardins RI Canada - Net-Zero Emissions Pathway	27.98	38	3	0.17	ETF	2018-09-27	2.10	Environment - Canada
68	DRFD	Desjardins RI Dev ex-US ex-Can Multifactor NetZero	22.84	170	152	0.51	ETF	2018-09-27	1.75	Environment - DM
69	DRMD	Desjardins RI Dev ex-US ex-Can - Net-Zero Emissions	27.48	78	1	0.29	ETF	2020-05-01	1.54	Environment - DM

* Please see more details about MER disclosures in Glossary Appendix on page 86.

ESG EQUITY										Grouped by focus and sorted by AUM
84	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Focus
70	DRFE	Desjardins RI EM Multifactor - Net-Zero Emissions	21.27	72	75	0.75	ETF	2019-03-07	2.72	Environment - EM
71	DRME	Desjardins RI EM - Net-Zero Emissions Pathway	16.72	58	306	0.43	ETF	2021-03-12	2.45	Environment - EM
72	ETHI	Horizons Global Sustainability Leaders Curr-H	52.04	107	3	0.55	ETF	2018-11-01	1.01	Environment - Global
73	AGSG	AGF Global Sustainable Growth Equity ETF	28.68	19	2	0.65	ETF	2020-09-30	0.90	Environment - Global
74	DRFG	Desjardins RI Gbl Multifactor - Fossil Fuel Free	27.79	14	1	0.57	ETF	2019-03-07	1.23	Environment - Global
75	CLML	CI Global Climate Leaders Fund ETF	26.55	8	1	1.02	ETF	2021-07-08	-	Environment - Global
76	ZGRN	BMO MSCI ACWI Paris Aligned Climate Equity	35.03	4	1	0.28	ETF	2022-01-27	1.49	Environment - Global
77	CLML/U	CI Global Climate Leaders Fund ETF (US\$)	37.21	2	0.1	1.04	ETF	2021-07-08	-	Environment - Global
78	IGET	Invesco Mgstar Global Energy Transition Index ETF	20.31	1	0.0	0.40	ETF	2023-07-13	NA	Environment - Global
79	IGET/F	Invesco Mgstar Global Energy Transition Curr-H	19.30	1	0.0	0.40	ETF	2023-07-13	NA	Environment - Global
80	DRFU	Desjardins RI US Multifactor - Net-Zero Emissions	31.94	255	606	0.45	ETF	2018-09-27	0.58	Environment - U.S.
81	DRMU	Desjardins RI USA - Net-Zero Emissions Pathway	37.83	230	118	0.23	ETF	2018-09-27	0.86	Environment - U.S.
82	WOMN	BMO Women In Leadership Fund ETF Curr-H	33.13	6	1	0.40	ETF	2018-05-29	1.18	Social - DM
83	QEF	AGF Systematic Global ESG Fact	40.29	110	3	0.45	ETF	2018-02-12	1.95	Social - Global
84	MWMN	Mackenzie Global Women's Leadership ETF	44.77	10	1	0.61	ETF	2017-12-04	3.54	Social - Global

INVERSE EQUITY										Sorted by AUM
2	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception		Region
1	HIU	BetaPro S&P 500 Daily Inverse ETF	11.91	23	14	1.41*	Corp (Swap)†	2010-02-04		U.S.
2	HIK	BetaPro S&P/TSX 60 Daily Inverse ETF	27.33	11	10	1.41*	Corp (Swap)†	2009-03-06		Canada

LEVERAGED INVERSE EQUITY										Grouped by region and sorted by AUM
9	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception		Region
1	HXD	BetaPro S&P/TSX 60 -2x Daily	5.81	29	356	1.64*	Corp (Swap)†	2007-01-09		Canada
2	HGD	BetaPro Canadian Gold Miners -2x Daily Bear ETF	4.75	12	836	1.64*	Corp (Swap)†	2007-06-26		Canada
3	HFD	BetaPro S&P/TSX Capped Financial -2X ETF	8.98	9	42	1.64*	Corp (Swap)†	2007-06-12		Canada
4	HRED	BetaPro Equal Weight Canadian Reit-2X ETF	15.24	5	0.5	1.64*	Corp (Swap)†	2021-09-02		Canada
5	HBKD	BetaPro Equal Weight Canadian Bank-2X ETF	17.01	4	0.2	1.63*	Corp (Swap)†	2022-09-13		Canada
6	HED	BetaPro S&P/TSX Capped Energy -2X ETF	4.03	3	27	1.64*	Corp (Swap)†	2007-06-19		Canada
7	HQD	BetaPro NASDAQ-100 -2x Daily Bear ETF	13.76	67	1,408	1.49*	Corp (Swap)†	2008-06-18		U.S.
8	HQD/U	BetaPro NASDAQ-100 -2x Daily Bear ETF (US\$)	13.76	67	1	1.49*	Corp (Swap)†	2019-06-21		U.S.
9	HSD	BetaPro S&P 500 -2x Daily Bear ETF	18.94	57	407	1.50*	Corp (Swap)†	2008-06-18		U.S.

LEVERAGED LONG EQUITY										Grouped by region and sorted by AUM
9	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception		Region
1	HGU	BetaPro Canadian Gold Miners 2x Daily Bull ETF	14.51	112	806	1.34*	Corp (Swap)†	2007-06-26		Canada
2	HXU	BetaPro S&P/TSX 60 2x Daily Bull ETF	22.35	47	46	1.62*	Corp (Swap)†	2007-01-09		Canada
3	HEU	BetaPro S&P/TSX Capped Energy 2x Daily Bull ETF	31.62	46	51	1.56*	Corp (Swap)†	2007-06-19		Canada
4	HFU	BetaPro S&P/TSX Capped Financials 2X ETF	22.09	31	9	1.65*	Corp (Swap)†	2007-06-12		Canada
5	HBKU	BetaPro Equal Weight Canadian Bank 2X ETF	21.66	6	1	1.63*	Corp (Swap)†	2022-09-13		Canada
6	HREU	BetaPro Equal Weight Canadian REIT 2X ETF	14.40	3	0.5	1.65*	Corp (Swap)†	2021-09-02		Canada
7	HMJU	BetaPro Marijuana Companies 2x Daily Bull ETF	24.51	1	-	2.06*	Corp (Swap)†	2019-05-24		North America
8	HQU	BetaPro NASDAQ-100 2x Daily Bull ETF	19.45	327	1,082	1.47*	Corp (Swap)†	2008-06-18		U.S.
9	HSU	BetaPro S&P 500 2x Daily Bull ETF	21.65	140	474	1.55*	Corp (Swap)†	2008-06-18		U.S.

* Please see more details about MER disclosures in Glossary Appendix on page 86.

Fixed Income

CANADA AGGREGATE FIXED INCOME Grouped by maturity and sorted by AUM

45	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Maturity
1	XBB	iShares Core Canadian Universe Bond Index ETF	27.62	6,985	925	0.10	ETF	2000-11-20	4.28	7.16	Broad/Mixed
2	ZAG	BMO Aggregate Bond Index ETF	13.55	6,623	1,997	0.09	ETF	2010-01-21	4.25	7.11	Broad/Mixed
3	VAB	Vanguard Canadian Aggregate Bond Index ETF	22.60	4,609	678	0.09	ETF	2011-12-06	4.30	7.20	Broad/Mixed
4	HBB	Horizons Cdn Select Universe Bond ETF	46.51	3,186	845	0.10*	Corp (Swap)	2014-05-08	4.17	7.45	Broad/Mixed
5	TDB	TD Canadian Aggregate Bond Index ETF	12.84	1,437	273	0.08	ETF	2016-03-30	4.21	6.93	Broad/Mixed
6	ZCPB	BMO Core Plus Bond Fund ETF	27.23	1,271	58	0.56	ETF	2018-05-29	4.60	6.98	Broad/Mixed
7	QBB	Mackenzie Canadian Aggregate Bond Index ETF	91.43	866	11	0.08	ETF	2018-01-29	4.37	7.05	Broad/Mixed
8	ZDB	BMO Discount Bond Index ETF	14.61	841	492	0.10	ETF	2014-02-14	4.18	7.09	Broad/Mixed
9	MKB	Mackenzie Core Plus Canadian Fixed Income ETF	18.87	543	57	0.45	ETF	2016-04-19	4.68	6.83	Broad/Mixed
10	FCCB	Fidelity Systematic Canadian Bond Index ETF	22.09	536	62	0.28	ETF	2019-09-20	4.72	7.30	Broad/Mixed
11	DCU	Desjardins Canadian Universe Bond Index ETF	17.46	525	87	0.08	ETF	2017-04-03	4.19	6.81	Broad/Mixed
12	SITB	Scotia Canadian Bond Index Tracker ETF	16.84	360	74	0.09	ETF	2020-11-03	3.85	7.48	Broad/Mixed
13	XQB	iShares High Quality Canadian Bond Index ETF	18.52	321	31	0.13	ETF	2009-11-19	4.32	6.52	Broad/Mixed
14	BSKT	Manulife Smart Core Bond ETF	8.49	88	165	0.24	ETF	2020-11-25	4.72	7.05	Broad/Mixed
15	FLCP	Franklin Bisset Core Plus Bond Active ETF	17.55	71	43	0.62	ETF	2019-07-08	5.18	7.31	Broad/Mixed
16	G CBD	Guardian Canadian Bond ETF	17.78	65	3	0.40	ETF	2021-03-30	4.24	7.14	Broad/Mixed
17	CCBI	CIBC Canadian Bond Index ETF	17.69	51	11	0.07	ETF	2021-03-31	4.17	7.20	Broad/Mixed
18	HAD	Horizons Active Cdn Bond ETF	8.84	38	4	0.50	ETF	2012-10-10	4.17	8.00	Broad/Mixed
19	DXBC	Dynamic Active Canadian Bond ETF	21.24	24	3	0.45	ETF	2023-10-24	4.58	7.20	Broad/Mixed
20	FJFB	First Trust JFL Fixed Income Core Plus ETF	16.94	24	4	0.67	ETF	2021-03-19	4.63	7.08	Broad/Mixed
21	CAGG	CI Canadian Aggregate Bond Index ETF	43.14	16	4	0.08	ETF	2017-06-26	4.55	7.56	Broad/Mixed
22	FIXD	Evolve Active Core Fixed Income Fund	17.56	11	2	0.68	ETF	2018-03-29	4.54	6.71	Broad/Mixed
23	IWEB	IA Wealth Enhanced Bond Pool	10.64	1	2	0.45	ETF	2023-10-31	NA	NA	Broad/Mixed
24	XLB	iShares Core Canadian Long Term Bond Index ETF	19.12	1,207	546	0.20	ETF	2006-11-06	4.32	14.56	Long Term
25	VLB	Vanguard Canadian Long-Term Bond Index ETF	21.02	250	66	0.16	ETF	2017-02-07	4.30	14.60	Long Term
26	ZMMK	BMO Money Market Fund ETF Series	49.91	1,137	442	0.14	ETF	2021-12-01	5.25	0.19	Money Market
27	CMR	iShares Premium Money Market ETF	50.04	846	328	0.14	ETF	2008-02-18	5.03	0.18	Money Market
28	MNY	Purpose Cash Management Fund	100.07	468	95	0.23	ETF	2022-09-14	5.05	0.33	Money Market
29	TCSD	TD Cash Management ETF	50.05	37	39	0.17	ETF	2024-02-22	5.23	0.27	Money Market
30	MCAD	Evolve Premium Cash Management Fund	100.03	35	26	0.00**	ETF	2023-05-29	5.31	0.28	Money Market
31	CMNY	CI Money Market ETF	50.05	15	9	0.16	ETF	2023-07-25	5.15	0.21	Money Market
32	XSB	iShares Core Canadian Short Term Bond Index ETF	26.08	2,130	287	0.10	ETF	2000-11-20	4.49	2.54	Short Term
33	RADB	RBC Canadian Discount Bond ETF	20.09	1,084	200	0.17	ETF	2019-06-12	4.42	2.59	Short Term
34	YSB	Vanguard Canadian Short-Term Bond Index ETF	22.72	930	363	0.11	ETF	2011-12-06	4.40	2.50	Short Term
35	RLB	RBC 1-5 Year Laddered Canadian Bond ETF	18.24	124	39	0.25	ETF	2016-01-25	4.49	2.99	Short Term
36	ZSB	BMO Short-Term Bond Index ETF	47.08	105	6	0.10	ETF	2018-03-07	4.37	2.60	Short Term
37	ZSDB	BMO Short Term Discount Bond ETF	29.45	99	14	0.10	ETF	2022-01-27	4.35	2.64	Short Term
38	CAGS	CI Canadian Short-Term Agg Bond Index ETF	46.23	44	5	0.08	ETF	2017-06-26	4.68	2.17	Short Term
39	RPSB	RBC PH&N Short Term Canadian Bond ETF	19.52	35	3	0.39	ETF	2017-10-19	4.33	2.50	Short Term
40	QSB	Mackenzie Canadian Short-Term Bond Index ETF	96.65	35	38	0.09	ETF	2018-01-29	4.55	2.43	Short Term
41	MCSB	Mackenzie Canadian Short Term Fixed Income ETF	19.27	12	15	0.39	ETF	2017-11-22	4.70	2.79	Short Term
42	FLSD	Franklin Bissett Short Duration Active Bond ETF	18.73	12	5	0.34	ETF	2019-07-08	5.34	2.78	Short Term
43	DCS	Desjardins Canadian Short Term Bond Index ETF	18.40	11	11	0.08	ETF	2017-04-03	4.31	2.40	Short Term
44	CSBI	CIBC Canadian Short-Term Bond Index ETF	19.99	10	2	0.08	ETF	2023-01-23	4.29	2.42	Short Term
45	LYCT	Lysander-Canso Corporate Treasury ActivETF	10.42	5	4	0.28	ETF	2022-09-01	4.40	0.80	Ultra Short Term

CANADA GOVERNMENT FIXED INCOME Grouped by maturity and sorted by AUM

36	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Maturity
1	ZGB	BMO Government Bond Index ETF	44.68	1,090	4	0.17	ETF	2018-03-07	3.99	7.58	Broad/Mixed
2	XGB	iShares Canadian Government Bond Index ETF	18.99	1,003	261	0.13	ETF	2006-11-06	4.03	7.66	Broad/Mixed
3	ZMBS	BMO Canadian MBS Index ETF	29.23	335	12	0.17	ETF	2020-02-11	4.66	1.91	Broad/Mixed
4	VGX	Vanguard Canadian Government Bond Index ETF	22.04	76	6	0.17	ETF	2017-02-07	4.00	7.90	Broad/Mixed
5	ZFL	BMO Long Federal Bond Index ETF	12.94	3,440	833	0.22	ETF	2010-05-25	3.49	16.29	Long Term
6	TCLB	TD Canadian Long Term Federal Bond ETF	118.32	1,799	11	0.23	ETF	2019-11-26	3.42	14.93	Long Term
7	PGL	Invesco Long Term Government Bond Index ETF	18.03	315	39	0.27	ETF	2011-06-15	4.08	15.26	Long Term
8	ZPL	BMO Long Provincial Bond Index ETF	12.35	255	85	0.28	ETF	2013-03-27	4.34	14.64	Long Term
9	QLB	Mackenzie Canadian Government Long Bond	102.30	66	6	0.20	ETF	2023-11-20	4.07	16.41	Long Term
10	XFLB	iShares Core Canadian 15 + Year Federal Bond	48.22	27	5	0.17	ETF	2023-02-07	3.38	19.25	Long Term
11	RGQL	RBC Target 2024 Can Government Bond ETF	20.30	38	18	0.17	ETF	2023-05-10	4.74	0.40	Maturity 2024
12	RGQN	RBC Target 2025 Can Government Bond ETF	20.07	42	12	0.17	ETF	2023-05-10	4.48	1.31	Maturity 2025

* Please see more details about MER disclosures in Glossary Appendix on page 86.

CANADA GOVERNMENT FIXED INCOME											Grouped by maturity and sorted by AUM	
36	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Maturity	
13	RGQQ	RBC Target 2026 Can Government Bond ETF	20.00	48	7	0.17	ETF	2023-05-10	4.13	2.21	Maturity 2026	
14	RGQP	RBC Target 2027 Can Government Bond ETF	19.79	34	5	0.17	ETF	2023-05-10	3.92	3.11	Maturity 2027	
15	RGQQ	RBC Target 2028 Can Government Bond ETF	19.61	33	15	0.17	ETF	2023-05-10	3.85	3.96	Maturity 2028	
16	RGQR	RBC Target 2029 Can Government Bond ETF	19.59	60	9	0.17	ETF	2023-05-10	3.85	4.85	Maturity 2029	
17	CLG	iShares 1-10 Year Laddered Govt Index ETF	16.76	740	88	0.17	ETF	2011-10-25	3.98	4.46	Mid Term	
18	ZFM	BMO Mid Federal Bond Index ETF	14.27	430	63	0.22	ETF	2009-06-04	3.61	6.89	Mid Term	
19	ZMP	BMO Mid Provincial Bond Index ETF	13.48	319	72	0.28	ETF	2013-03-27	4.04	6.34	Mid Term	
20	CBIL	Horizons 0-3 Month T-Bill ETF	49.97	647	322	0.11	ETF	2023-04-13	4.89	0.10	Money Market	
21	GCTB	Guardian Ultra Short Canadian T Bill Fund/ETF	50.03	95	13	0.14	ETF	2023-07-11	5.06	0.17	Money Market	
22	TBIL	Harvest Canadian T-Bill ETF	50.01	31	15	0.11	ETF	2024-01-11	5.04	0.14	Money Market	
23	XRB	iShares Canadian Real Return Bond Index ETF	22.32	308	27	0.39	ETF	2005-12-19	3.56	12.93	Real Return	
24	ZRR	BMO Real Return Bond Index ETF	14.19	87	13	0.28	ETF	2010-05-25	3.52	13.62	Real Return	
25	CLF	iShares 1-5 Year Laddered Govt Index ETF	16.85	498	59	0.17	ETF	2008-01-31	4.09	2.77	Short Term	
26	ZFS	BMO Short Federal Bond Index ETF	13.44	358	51	0.22	ETF	2009-10-20	4.06	2.52	Short Term	
27	ZPS	BMO Short Provincial Bond Index ETF	12.00	310	38	0.28	ETF	2009-10-20	4.19	2.62	Short Term	
28	DCG	Desjardins 1-5 year Laddered Canadian Govt	17.73	78	5	0.14	ETF	2017-04-03	4.04	3.04	Short Term	
29	BXF	CI 1-5 Year Laddered Government Strip Bond	9.83	46	34	0.22	ETF	2013-06-11	4.19	3.00	Short Term	
30	HMP	Horizons Active Cdn Municipal Bond ETF	9.35	34	27	0.36	ETF	2015-08-13	4.54	2.82	Short Term	
31	FGB	CI Short Term Government Bond Index Class	17.92	14	2	0.34	Corp Class	2016-03-01	4.12	2.46	Short Term	
32	ZFS/L	BMO Short Federal Bond Index ETF - Acc	21.00	6	4	0.22	ETF	2017-02-09	4.06	2.52	Short Term	
33	ZPS/L	BMO Short Provincial Bond Index ETF - Acc	21.44	4	7	0.28	ETF	2017-02-09	4.19	2.62	Short Term	
34	XFR	iShares Floating Rate Index ETF	20.11	760	308	0.14	ETF	2011-12-12	5.23	0.04	Ultra Short Term	
35	PFL	Invesco 1-3 Year Laddered Floating Rate Note	19.60	678	250	0.14	ETF	2014-07-21	5.10	0.05	Ultra Short Term	
36	LYFR	Lysander-Canso Floating Rate	10.15	5	2	0.40	ETF	2022-09-01	5.40	0.00	Ultra Short Term	

CANADA INVEST. GRADE CORPORATE FIXED INCOME											Grouped by maturity and sorted by AUM	
51	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Maturity	
1	XCB	iShares Canadian Corporate Bond Index ETF	19.52	1,638	309	0.17	ETF	2006-11-06	5.04	5.72	Broad/Mixed	
2	CACB	CIBC Active Investment Grade Corporate Bond ETF	19.44	1,312	47	0.40	ETF	2019-01-21	5.35	5.66	Broad/Mixed	
3	QCB	Mackenzie Canadian All Corporate Bond Index ETF	92.62	566	34	0.15	ETF	2018-01-29	7.17	7.89	Broad/Mixed	
4	HAB	Horizons Active Corporate Bond ETF	9.89	325	157	0.60	ETF	2010-07-15	5.18	5.71	Broad/Mixed	
5	VCB	Vanguard Canadian Corporate Bond Index ETF	23.47	304	51	0.16	ETF	2017-02-07	5.00	5.10	Broad/Mixed	
6	CBND	Manulife Smart Corporate Bond ETF	8.87	128	95	0.24	ETF	2020-11-25	5.25	5.61	Broad/Mixed	
7	ZCB	BMO Corporate Bond Index ETF	45.63	115	9	0.17	ETF	2018-03-07	4.93	5.71	Broad/Mixed	
8	ZCDB	BMO Corporate Discount Bond ETF	29.10	40	4	0.17	ETF	2022-01-27	4.73	3.48	Broad/Mixed	
9	RIFI	Russell Investments Fixed Income Pool ETF	17.70	36	5	0.59	ETF	2020-01-22	4.83	7.37	Broad/Mixed	
10	ZQB	BMO High Quality Corporate Bond Index ETF	28.00	27	3	0.11	ETF	2020-02-11	4.71	3.13	Broad/Mixed	
11	ZBBB	BMO BBB Corporate Bond Index ETF	27.52	19	3	0.17	ETF	2020-02-11	5.01	3.91	Broad/Mixed	
12	FLCI	Franklin Bissett Corporate Bond Active ETF	17.45	18	1	0.40	ETF	2017-05-30	5.60	5.89	Broad/Mixed	
13	CSAV	CI High Interest Savings ETF	50.07	7,843	680	0.16	ETF	2019-06-18	4.72	NA	Cash Alternative	
14	CASH	Horizons High Interest Savings ETF	50.01	4,671	1,485	0.11	ETF	2021-11-01	4.81	NA	Cash Alternative	
15	PSA	Purpose High Interest Savings Fund	50.03	3,863	1,208	0.17	ETF	2013-10-15	4.90	NA	Cash Alternative	
16	HSVA	Horizons Cash Maximizer ETF	111.41	2,232	71	0.20	Corp Class	2020-02-06	4.88	NA	Cash Alternative	
17	HISA	Evolve High Interest Savings Account Fund	50.02	1,410	1,301	0.17	ETF	2019-11-21	4.84	NA	Cash Alternative	
18	NSAV	Ninepoint High Interest Savings Fund ETF Series	50.29	26	7	0.00**	ETF	2020-11-20	5.17	NA	Cash Alternative	
19	ZLC	BMO Long Corporate Bond Index ETF	15.10	406	122	0.33	ETF	2010-01-21	5.03	12.43	Long Term	
20	RQL	RBC Target 2024 Can Corp Bond Index ETF	20.27	362	66	0.23	ETF	2018-09-12	4.90	0.43	Maturity 2024	
21	GBFA	GuardBondsTM 2024 Investment Grade Bond Fund	20.09	3	5	0.23	ETF	2024-01-09	5.12	0.57	Maturity 2024	
22	RQN	RBC Target 2025 Can Corp Bond Index ETF	20.09	725	162	0.23	ETF	2018-09-12	5.00	1.18	Maturity 2025	
23	GBFB	GuardBondsTM 2025 Investment Grade Bond Fund	20.08	3	5	0.23	ETF	2024-01-09	4.87	1.46	Maturity 2025	
24	RQO	RBC Target 2026 Can Corp Bond Index ETF	18.18	726	204	0.23	ETF	2020-09-23	4.72	2.13	Maturity 2026	
25	GBFC	GuardBondsTM 2026 Investment Grade Bond Fund	20.08	5	4	0.23	ETF	2024-01-09	4.74	2.32	Maturity 2026	
26	RQP	RBC Target 2027 Can Corp Bond Index ETF	17.73	487	95	0.23	ETF	2020-09-23	4.68	2.97	Maturity 2027	
27	GBFD	GuardBondsTM 2027 Investment Grade Bond Fund	20.01	1	3	0.23	ETF	2024-01-09	4.40	3.30	Maturity 2027	
28	RQQ	RBC Target 2028 Can Corp Bond Index ETF	21.31	350	67	0.23	ETF	2022-10-20	4.64	3.72	Maturity 2028	
29	RQR	RBC Target 2029 Can Corp Bond Index ETF	21.14	146	44	0.23	ETF	2022-10-20	4.39	4.74	Maturity 2029	
30	ZCM	BMO Mid Corporate Bond Index ETF	14.86	493	78	0.33	ETF	2010-01-21	4.95	5.93	Mid Term	
31	DXDB	Dynamic Active Discount Bond ETF	20.62	489	116	0.44	ETF	2022-11-08	4.73	4.08	Mid Term	
32	CBH	iShares 1-10 Year Laddered Corp Index ETF	17.29	360	60	0.28	ETF	2011-10-25	4.68	3.59	Mid Term	
33	ZCS	BMO Short Corporate Bond Index ETF	13.43	1,493	294	0.11	ETF	2009-10-20	4.93	2.69	Short Term	
34	XSH	iShares Core Canadian Short Term Corp Index ETF	18.42	1,301	465	0.10	ETF	2011-09-19	5.05	2.70	Short Term	
35	VSC	Vanguard Canadian Short-Term Corp Index ETF	23.38	889	137	0.11	ETF	2012-11-02	5.00	2.70	Short Term	
36	CBO	iShares 1-5 Year Laddered Corp Index ETF	17.73	712	78	0.28	ETF	2009-02-25	4.87	2.68	Short Term	

* Please see more details about MER disclosures in Glossary Appendix on page 86.

CANADA INVEST. GRADE CORPORATE FIXED INCOME											Grouped by maturity and sorted by AUM	
51	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Maturity	
37	PSB	Invesco 1-5 Year Laddered I.G. Corp Index ETF	17.19	347	31	0.27	ETF	2011-06-15	5.01	2.94	Short Term	
38	TERM	Manulife Smart Short-Term Bond ETF	9.33	236	155	0.23	ETF	2020-11-25	5.27	2.55	Short Term	
39	FCSB	Fidelity Canadian Short Term Corporate Bond ETF	24.75	144	14	0.44	ETF	2019-09-20	5.07	2.60	Short Term	
40	RBO	RBC 1-5 Year Laddered Can Corp Bond ETF	18.19	135	19	0.30	ETF	2014-01-15	4.68	2.95	Short Term	
41	TCSB	TD Select Short Term Corporate Bond Ladder ETF	14.44	109	50	0.28	ETF	2018-11-14	5.07	2.80	Short Term	
42	ZCS/L	BMO Short Corporate Bond Index ETF - Acc	23.09	19	7	0.11	ETF	2017-02-09	4.93	2.69	Short Term	
43	DCC	Desjardins 1-5 year Laddered Canadian Corp	18.17	6	2	0.17	ETF	2017-04-03	4.77	2.91	Short Term	
44	GBLF	GuardBonds TM 1-3 Year Laddered I.G. Bond Fund	20.06	3	5	0.23	ETF	2024-01-09	NA	NA	Short Term	
45	ZST	BMO Ultra Short-Term Bond ETF	48.76	1,263	176	0.16	ETF	2013-01-07	5.24	0.38	Ultra Short Term	
46	HFR	Horizons Active Ultra-Short Term I.G. Bond ETF	9.88	405	135	0.46	ETF	2010-12-13	5.55	0.93	Ultra Short Term	
47	CAFR	CIBC Active Investment Grade Floating Rate ETF	19.79	378	12	0.34	ETF	2019-01-21	5.31	0.27	Ultra Short Term	
48	ZST/L	BMO Ultra Short-Term Bond ETF - Acc	58.20	229	44	0.16	ETF	2017-02-09	5.24	0.38	Ultra Short Term	
49	DXV	Dynamic Active Investment Grade Floating Rate ETF	19.62	141	31	0.33	ETF	2018-03-28	5.49	0.33	Ultra Short Term	
50	QASH	Mackenzie Canadian Ultra Short Bond Index ETF	50.28	125	53	0.17	ETF	2023-11-20	5.29	0.56	Ultra Short Term	
51	FHIS	Franklin Bissett Ultra Short Bond Fund	20.58	124	60	0.17	ETF	2022-09-12	5.38	0.71	Ultra Short Term	

U.S. FIXED INCOME											Grouped by maturity and sorted by AUM	
70	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Maturity	
1	VBU	Vanguard US Aggregate Bond Index ETF Curr-H	21.77	960	85	0.23	ETF	2014-06-30	4.90	6.10	Broad/Mixed	
2	QUIG	Mackenzie US I.G. Corp Index ETF Curr-H	86.46	488	9	0.16	ETF	2018-01-29	5.35	6.68	Broad/Mixed	
3	ZUAG/F	BMO US Aggregate Bond Index ETF Curr-H	29.48	354	12	0.09	ETF	2023-01-26	4.88	6.21	Broad/Mixed	
4	XIG	iShares US IG Corporate Bond Index ETF Curr-H	20.07	262	43	0.32	ETF	2010-01-21	5.51	8.28	Broad/Mixed	
5	XAGH	iShares US Aggregate Bond Index ETF Curr-H	33.32	54	3	0.20	ETF	2021-08-12	5.01	6.07	Broad/Mixed	
6	QUB	Mackenzie US Aggregate Bond Index ETF Curr-H	81.68	36	1	0.17	ETF	2020-09-24	5.03	6.06	Broad/Mixed	
7	DXBU	Dynamic Active US Investment Grade Corp	21.63	22	5	0.51	ETF	2023-10-24	5.57	6.30	Broad/Mixed	
8	ZUAG/U	BMO US Aggregate Bond Index ETF (US\$)	40.39	14	1	0.09	ETF	2023-01-26	4.88	6.21	Broad/Mixed	
9	XAGG/U	iShares US Aggregate Bond Index ETF (US\$)	36.25	12	10	0.20	ETF	2021-08-12	4.92	6.08	Broad/Mixed	
10	FWCP	Franklin Western Asset Core Plus Active Curr-H	16.93	10	52	0.57	ETF	2022-01-24	5.05	6.96	Broad/Mixed	
11	ZUAG	BMO US Aggregate Bond Index ETF	30.14	9	11	0.09	ETF	2023-01-26	4.88	6.21	Broad/Mixed	
12	XAGG	iShares US Aggregate Bond Index ETF	36.48	7	2	0.20	ETF	2021-08-12	4.92	6.08	Broad/Mixed	
13	XCBU/U	iShares US IG Corporate Bond Index ETF (US\$)	34.84	5	2	0.32	ETF	2021-07-06	5.44	8.28	Broad/Mixed	
14	CDLB	CI Doubleline Total Return Bond US\$ Fund Curr-H	16.77	4	2	0.83	ETF	2020-05-12	6.01	5.82	Broad/Mixed	
15	CDLB/U	CI Doubleline Total Return Bond US\$ Fund (US\$)	22.92	2	2	0.84	ETF	2020-05-12	6.01	5.82	Broad/Mixed	
16	XCBU	iShares US IG Corporate Bond Index ETF	34.78	2	1	0.32	ETF	2021-07-06	5.44	8.28	Broad/Mixed	
17	CDLB/B	CI Doubleline Total Return Bond US\$ Fund	16.32	0.3	0.0	0.82	ETF	2020-05-12	6.01	5.82	Broad/Mixed	
18	HSUV/U	Horizons USD Cash Maximizer ETF (US\$)	147.73	990	31	0.19	Corp Class	2020-07-01	5.12	NA	Cash Alternative	
19	PSU/U	Purpose US Cash ETF (US\$)	135.48	675	108	0.18	ETF	2016-02-24	5.17	NA	Cash Alternative	
20	HISU/U	Evolve US High Interest Savings Account Fund (US\$)	135.41	369	57	0.06	ETF	2022-08-31	5.21	NA	Cash Alternative	
21	UCSH/U	Horizons Usd High Interest Savings ETF (US\$)	67.70	34	31	0.16	ETF	2024-01-18	5.16	NA	Cash Alternative	
22	ZTL/F	BMO Long-Term US Treasury Bond Curr-H	31.56	269	18	0.23	ETF	2020-02-11	4.46	16.89	Long Term	
23	ZTL	BMO Long-Term US Treasury Bond Index ETF	38.46	210	42	0.22	ETF	2017-02-28	4.46	16.89	Long Term	
24	XTLH	iShares 20 + Year US Treasury Bond Curr-H	35.65	147	51	0.20	ETF	2023-02-07	4.55	16.75	Long Term	
25	TULB	TD US Long Term Treasury Bond ETF	114.35	129	5	0.23	ETF	2019-11-26	4.45	14.90	Long Term	
26	XTL	iShares 20 + Year US Treasury Bond Index ETF	36.33	125	32	0.20	ETF	2023-02-07	4.47	16.76	Long Term	
27	QTLT	Mackenzie US Government Long Bond Index ETF	103.00	85	13	0.20	ETF	2023-11-20	4.81	16.77	Long Term	
28	ZTL/U	BMO Long-Term US Treasury Bond Index ETF (US\$)	50.29	32	6	0.23	ETF	2017-02-28	4.46	16.89	Long Term	
29	XTLT/U	iShares 20 + Year US Treasury Bond (US\$)	36.52	3	52	0.20	ETF	2023-02-07	4.47	16.76	Long Term	
30	ZIC	BMO Mid-Term US IG Corporate Bond Index ETF	17.38	2,845	66	0.28	ETF	2013-03-27	5.34	6.07	Mid Term	
31	ZMU	BMO Mid-Term US IG Corp Curr-H Index ETF	12.60	2,754	404	0.28	ETF	2013-03-27	5.34	6.07	Mid Term	
32	HTB	Horizons US 7-10 Year Treasury Bond ETF	55.18	437	272	0.17*	Corp (Swap)	2015-04-08	4.26	7.34	Mid Term	
33	HTB/U	Horizons US 7-10 Year Treasury Bond ETF (US\$)	55.18	437	6	0.17*	Corp (Swap)	2015-04-08	4.26	7.34	Mid Term	
34	ZIC/U	BMO Mid-Term US IG Corp Index ETF (US\$)	17.61	40	3	0.28	ETF	2013-03-27	5.34	6.07	Mid Term	
35	ZTM/U	BMO Mid-Term US Treasury Bond Index ETF (US\$)	60.66	15	1	0.23	ETF	2017-02-28	4.26	6.29	Mid Term	
36	ZTM	BMO Mid-Term US Treasury Bond Index ETF	46.21	12	1	0.23	ETF	2017-02-28	4.26	6.29	Mid Term	
37	UBIL/U	Horizons 0-3 Month US T-Bill ETF (US\$)	67.66	386	28	0.14	ETF	2023-04-13	5.44	0.16	Money Market	
38	MNU/U	Purpose USD Cash Management Fund (US\$)	135.46	78	22	0.23	ETF	2023-04-27	5.40	0.25	Money Market	
39	GUTB/U	Guardian Ultra-Short US T-Bill Fund/ETF (US\$)	67.77	52	4	0.14	ETF	2023-07-11	5.30	0.17	Money Market	
40	ZUCM/U	BMO USD Cash Management ETF (US\$)	40.61	18	9	0.14	ETF	2023-09-26	5.44	0.09	Money Market	
41	MUSD/U	Evolve US Premium Cash Management Fund (US\$)	135.90	7	2	0.00**	ETF	2023-05-29	5.62	0.31	Money Market	
42	UMNY/U	CI US Money Market ETF (US\$)	67.79	5	1	0.16	ETF	2023-07-25	5.35	0.30	Money Market	
43	ZUCM	BMO USD Cash Management ETF	30.07	5	3	0.14	ETF	2023-09-26	5.44	0.09	Money Market	
44	QTIP	Mackenzie US TIPS Index ETF Curr-H	85.16	307	16	0.17	ETF	2018-01-24	4.59	6.65	Real Return	
45	ZTIP/F	BMO Short-Term US Tips Index ETF Curr-H	28.39	153	1	0.17	ETF	2021-01-26	4.81	2.47	Real Return	

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U.S. FIXED INCOME											Grouped by maturity and sorted by AUM	
70	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Maturity	
46	XSTH	iShares 0-5 Year TIPS Bond Index ETF Curr-H	37.05	91	8	0.17	ETF	2021-07-12	4.57	2.44	Real Return	
47	TIPS/F	BMO US TIPS Index ETF Curr-H	28.37	72	7	0.17	ETF	2023-01-26	4.64	6.81	Real Return	
48	XSTP	iShares 0-5 Year TIPS Bond Index ETF	40.67	45	10	0.16	ETF	2021-07-12	4.48	2.44	Real Return	
49	CTIP	CI US Treasury Inflation-Linked Bond Curr-H	16.19	24	18	0.16	ETF	2021-08-31	4.59	6.65	Real Return	
50	XSTP/U	iShares 0-5 Year TIPS Bond Index ETF (US\$)	40.63	6	2	0.17	ETF	2021-07-12	4.48	2.44	Real Return	
51	ZTIP	BMO Short-Term US Tips Index ETF	30.85	5	1	0.17	ETF	2021-01-26	4.81	2.47	Real Return	
52	TIPS/U	BMO US TIPS Index ETF (US\$)	38.46	3	0.0	0.17	ETF	2023-01-26	4.64	6.81	Real Return	
53	ZTIP/U	BMO Short-Term US Tips Index ETF (US\$)	39.05	3	1	0.17	ETF	2021-01-26	4.81	2.47	Real Return	
54	TIPS	BMO US TIPS Index ETF	29.09	1	14	0.17	ETF	2023-01-26	4.64	6.81	Real Return	
55	RUSB/U	RBC Short Term US Corporate Bond ETF (US\$)	20.48	238	48	0.40	ETF	2017-10-19	5.48	2.63	Short Term	
56	ZSU	BMO Short-Term US IG Corp Curr-H Index ETF	13.20	150	22	0.28	ETF	2014-02-14	5.33	2.52	Short Term	
57	XIGS	iShares 1-5 Year US IG Corp Index ETF Curr-H	37.01	69	8	0.16	ETF	2021-07-12	5.49	2.55	Short Term	
58	RUDB	RBC US Discount Bond ETF	20.38	67	5	0.28	ETF	2023-05-18	4.95	2.63	Short Term	
59	ZTS	BMO Short-Term US Treasury Bond Index ETF	48.53	44	2	0.23	ETF	2017-02-28	4.52	2.69	Short Term	
60	RUDB/U	RBC US Discount Bond ETF (US\$)	20.31	27	6	0.28	ETF	2023-05-18	4.95	2.63	Short Term	
61	RDBH	RBC US Discount Bond Curr-H ETF	20.13	28	18	0.28	ETF	2023-05-18	4.95	2.63	Short Term	
62	ZTS/U	BMO Short-Term US Treasury Bond (US\$)	63.54	14	1	0.23	ETF	2017-02-28	4.52	2.69	Short Term	
63	TUSB	TD Select U.S. Short Term Corp Ladder ETF	13.72	8	3	0.28	ETF	2018-11-14	5.54	2.65	Short Term	
64	XSHU/U	iShares 1-5 Year US IG Corp Index ETF (US\$)	40.81	6	2	0.16	ETF	2021-07-06	5.41	2.55	Short Term	
65	RUSB	RBC Short Term US Corporate Bond ETF	20.62	4	2	0.40	ETF	2017-10-19	5.48	2.63	Short Term	
66	TUSB/U	TD Select U.S. Short Term Corp Ladder ETF (US\$)	13.48	3	0.2	0.27	ETF	2018-11-14	5.54	2.65	Short Term	
67	XSHU	iShares 1-5 Year US IG Corporate Bond Index ETF	41.04	2	1	0.16	ETF	2021-07-06	5.41	2.55	Short Term	
68	ZUS/U	BMO Ultra Short-Term US Bond ETF (US\$)	63.23	41	6	0.17	ETF	2019-02-15	5.70	0.35	Ultra Short Term	
69	IUFRR/U	Invesco US Treasury Floating Rate Note USD (US\$)	27.22	21	31	0.14	ETF	2024-01-18	5.54	0.16	Ultra Short Term	
70	ZUS/V	BMO Ultra Short-Term US Bond ETF (US\$) - Acc	74.97	21	5	0.17	ETF	2019-02-15	5.70	0.35	Ultra Short Term	

GLOBAL FIXED INCOME											Grouped by focus and sorted by AUM	
53	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Focus	
1	XSE	iShares Conservative Strategic Curr-H	17.75	135	32	0.55	ETF	2015-09-10	5.45	6.92	Fund Allocation	
2	PCOR	PIMCO Managed Core Bond Pool Curr-H	18.14	123	43	0.66	ETF	2020-02-14	5.73	4.66	Fund Allocation	
3	XSC	iShares Conservative Short Term Strategic Curr-H	17.70	58	5	0.44	ETF	2015-09-10	5.39	3.85	Fund Allocation	
4	XSI	iShares Short Term Strategic Curr-H	16.88	46	6	0.55	ETF	2015-01-26	6.09	4.32	Fund Allocation	
5	PBD	Purpose Total Return Bond Fund	16.39	13	1	0.74	Corp Class	2013-09-04	5.36	1.16	Fund Allocation	
6	MGAB	Mackenzie Global Fixed Income Allocation ETF	16.71	6	5	0.28	ETF	2020-09-29	5.59	4.89	Fund Allocation	
7	CPLS	CIBC Core Plus Fixed Income Pool ETF	17.71	4	4	0.45	ETF	2020-09-30	5.34	5.38	Fund Allocation	
8	PCON	PIMCO Managed Conservative Bond Pool Curr-H	18.21	4	0.3	0.63	ETF	2020-02-14	5.94	2.56	Fund Allocation	
9	RCOR	RBC Core Bond Pool	20.12	3	NA	0.45	ETF	2024-03-20	5.40	4.80	Fund Allocation	
10	CCNS	CIBC Conservative Fixed Income Pool ETF	17.86	2	1	0.45	ETF	2020-09-30	4.94	4.29	Fund Allocation	
11	RPLS	RBC Core Plus Bond Pool	20.11	2	NA	0.45	ETF	2024-03-20	5.70	5.00	Fund Allocation	
12	RCNS	RBC Conservative Bond Pool	20.10	2	NA	0.45	ETF	2024-03-20	5.20	3.90	Fund Allocation	
13	FGO	CI Enhanced Government Bond ETF Curr-H	9.91	780	471	0.64	ETF	2018-07-31	3.93	6.88	Government	
14	FGO/U	CI Enhanced Government Bond ETF (US\$)	13.64	26	115	0.62	ETF	2018-07-31	3.93	6.88	Government	
15	FCIG	Fidelity Global Investment Grade Bond ETF	21.50	174	19	0.56	ETF	2020-06-10	4.95	6.70	Investment Grade	
16	FCIG/U	Fidelity Global Investment Grade Bond ETF (US\$)	21.50	174	0.4	0.56	ETF	2021-12-01	4.95	6.70	Investment Grade	
17	CGIN	CI Global Investment Grade ETF	20.72	150	90	0.76	ETF	2022-11-01	5.60	5.38	Investment Grade	
18	IGCF	PIMCO Investment Grade Credit Fund	16.47	14	4	0.82	ETF	2015-09-14	5.21	6.31	Investment Grade	
19	CGIN/U	CI Global Investment Grade ETF (US\$)	28.13	5	47	0.76	ETF	2022-11-01	5.60	5.38	Investment Grade	
20	XGGB	iShares Global Government Bond Index ETF Curr-H	18.41	366	57	0.23	ETF	2017-09-21	3.55	7.22	Passive	
21	VGAB	Vanguard Global Aggregate Bond Index ETF Curr-H	21.30	147	19	0.33	ETF	2020-01-23	4.10	6.60	Passive	
22	PMNT	PIMCO Global Short Maturity Fund Canada	19.19	19	50	0.39	ETF	2019-02-01	5.26	0.21	Short Duration	
23	PLDI	PIMCO Low Duration Monthly Income Fund Canada	18.93	11	2	0.81	ETF	2019-02-01	6.85	1.94	Short Duration	
24	NUBF	NBI Unconstrained Fixed Income ETF	21.31	2,523	51	0.86	ETF	2019-10-18	5.61	5.61	Universe	
25	PMIF	PIMCO Monthly Income Fund	18.17	2,349	430	0.84	ETF	2011-01-20	6.61	3.64	Universe	
26	FCGB	Fidelity Global Core Plus Bond ETF	21.87	1,086	228	0.56	ETF	2019-09-20	5.76	6.40	Universe	
27	FCGB/U	Fidelity Global Core Plus Bond ETF (US\$)	21.87	1,086	5	0.56	ETF	2021-12-01	5.76	6.40	Universe	
28	MUB	Mackenzie Unconstrained Bond ETF	18.25	915	241	0.56	ETF	2016-04-19	7.48	4.77	Universe	
29	BND	Purpose Global Bond Fund	17.46	611	77	0.43	ETF	2015-10-28	6.24	4.17	Universe	
30	FLGA	Franklin Global Core Bond Fund Curr-H	18.79	343	115	0.40	ETF	2018-05-14	4.97	5.57	Universe	
31	TGFI	TD Active Global Income ETF	20.29	148	576	0.61	ETF	2019-11-26	6.09	4.96	Universe	
32	PMIF/U	PIMCO Monthly Income Fund (US\$)	26.14	102	30	0.83	ETF	2011-01-20	6.61	3.64	Universe	
33	QGB	AGF Systematic Global Multi-Se Curr-H	23.28	120	2	0.45	ETF	2018-10-22	5.04	5.45	Universe	
34	MGB	Mackenzie Core Plus Global Fixed Income ETF	16.35	114	21	0.55	ETF	2016-04-19	6.01	5.30	Universe	
35	IGB	Purpose Global Bond Class	17.93	64	8	0.58	Corp Class	2018-06-21	6.24	4.17	Universe	

* Please see more details about MER disclosures in Glossary Appendix on page 86.

GLOBAL FIXED INCOME											Grouped by focus and sorted by AUM
53	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Focus
36	CCRE	CIBC Core Fixed Income ETF	17.56	52	8	0.46	ETF	2020-09-30	5.21	4.84	Universe
37	ICPB	iA Clarington Core Plus Bond Fund - ETF	9.37	46	28	0.66	ETF	2018-10-22	6.80	3.10	Universe
38	AGLB	AGF Global Opportunities Bond ETF	22.11	33	0.0	0.65	ETF	2020-09-30	5.14	4.69	Universe
39	HAF	Horizons Active Global Fixed Income ETF	7.29	32	8	0.67	ETF	2009-07-21	6.54	5.16	Universe
40	FLX	Purpose Global Flexible Credit Curr-H	7.07	24	4	1.25	ETF	2011-06-20	8.14	2.99	Universe
41	EARN	Evolve Active Global Fixed Income Fund Curr-H	47.99	23	2	0.90	ETF	2018-11-14	5.89	2.22	Universe
42	ILGB	iA Clarington Loomis Global Multisector Bond	8.75	18	5	0.97	ETF	2021-08-25	6.40	6.80	Universe
43	FLX/U	Purpose Global Flexible Credit (US\$)	8.03	10	0.2	1.23	ETF	2011-06-20	8.14	2.99	Universe
44	GBND	Manulife Smart Global Bond ETF	10.18	11	0.0	0.45	ETF	2023-05-17	4.93	6.60	Universe
45	TPAY	TD Income Builder ETF	21.07	11	5	0.45	ETF	2019-11-26	4.68	7.34	Universe
46	ZGSB	BMO Global Strategic Bond Fund ETF	26.74	9	1	0.82	ETF	2018-05-29	7.23	5.03	Universe
47	CFLX	CIBC Flexible Yield ETF Curr-H	16.98	8	1	0.76	ETF	2020-01-27	7.13	1.81	Universe
48	NBND	Ninepoint Diversified Bond Fund ETF Series	17.74	1	0.1	1.03	ETF	2020-11-20	7.50	6.50	Universe
49	ATRB	AGF Total Return Bond Fund	25.25	1	0.0	0.68	ETF	2024-02-27	NA	NA	Universe
50	CCOR/U	CI DoubleLine Core Plus F/I US\$ Fund (US\$)	23.66	1	0.0	0.85	ETF	2020-05-12	5.79	6.03	Universe
51	FLX/B	Purpose Global Flexible Credit	8.30	0.4	6	1.23	ETF	2018-08-07	8.14	2.99	Universe
52	CCOR	CI DoubleLine Core Plus F/I US\$ Fund Curr-H	17.34	0.3	1	0.85	ETF	2020-05-12	5.79	6.03	Universe
53	CCOR/B	CI DoubleLine Core Plus Fixed Income US\$ Fund	16.94	0.3	0.0	0.85	ETF	2020-05-12	5.79	6.03	Universe

OTHER FOREIGN FIXED INCOME											Grouped by region and sorted by AUM
15	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Region
1	ZEF	BMO Emerging Markets Bond Curr-H Index ETF	12.32	617	113	0.56	ETF	2010-05-25	7.72	3.97	Emerging Markets
2	QEBH	Mackenzie Emerg Mkts Bond Index ETF Curr-H	77.66	252	1	0.50	ETF	2019-07-25	6.03	6.63	Emerging Markets
3	XEB	iShares JP Morgan USD Emerg Mkts Bond Curr-H	15.79	107	20	0.53	ETF	2011-04-18	7.07	7.08	Emerging Markets
4	QEBL	Mackenzie Emerg Mkts Local Currency Bond	71.13	18	1	0.51	ETF	2019-10-24	6.65	6.01	Emerging Markets
5	CGBI	CIBC Global Bond EX-Canada Index ETF Curr-H	17.57	380	129	0.22	ETF	2021-09-16	3.72	6.60	Global ex CA
6	VBG	Vanguard Global ex-U.S. Aggr ETF Curr-H	23.32	712	28	0.39	ETF	2014-06-30	3.20	7.20	Global ex U.S.
7	QDXB	Mackenzie Developed Ex-N. Am Aggr ETF Curr-H	88.79	13	1	0.34	ETF	2020-09-24	3.09	4.79	International
8	FSB	CI Enhanced Short Duration Bon	9.59	612	245	0.74	ETF	2017-09-12	5.02	1.50	North America
9	FIG	CI Investment Grade Bond ETF Curr-H	9.24	214	48	0.77	ETF	2009-10-23	5.00	5.82	North America
10	DXB	Dynamic Active Tactical Bond ETF	18.02	119	25	0.55	ETF	2017-09-27	4.36	4.08	North America
11	ONXB	CI ONE North American Core Plus Bond ETF	48.04	84	5	0.60	ETF	2018-10-11	4.66	2.43	North America
12	FSB/U	CI Enhanced Short Duration Bond ETF (US\$)	13.27	19	37	0.75	ETF	2017-10-04	5.02	1.50	North America
13	FIG/U	CI Investment Grade Bond ETF (US\$)	11.97	13	7	0.76	ETF	2017-12-12	5.00	5.82	North America
14	ISCB	iA Clarington Strategic Corporate Bond Fund	10.61	1	2	0.79	ETF	2023-10-31	NA	NA	North America
15	PFCB	Picton Mahoney Fortified Core Bond Fund	10.21	1	9	1.07	ETF	2022-11-09	5.40	4.79	North America

ESG FIXED INCOME											Grouped by region and sorted by AUM
25	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Region
1	NSCB	NBI Sustainable Canadian Bond ETF	22.03	2,784	870	0.63	ETF	2020-03-04	4.46	4.46	Canada
2	NSCC	NBI Sustainable Canadian Corporate Bond ETF	21.75	141	41	0.63	ETF	2021-02-11	5.19	5.19	Canada
3	XSAB	iShares ESG Canadian Aggregate Bond Index ETF	17.73	138	19	0.17	ETF	2019-03-21	4.24	7.17	Canada
4	BESG	Invesco ESG Canadian Core Plus	15.58	107	9	0.38	ETF	2012-08-24	5.19	7.30	Canada
5	XSTB	iShares ESG Aware Canadian Short Term Bond	19.17	98	14	0.17	ETF	2019-03-21	4.44	2.48	Canada
6	ESGB	BMO ESG Corporate Bond Index ETF	26.70	56	4	0.17	ETF	2020-01-21	4.87	5.47	Canada
7	NSSB	NBI Sustainable Canadian Short Term Bond ETF	9.81	42	7	0.26	ETF	2022-02-10	4.94	4.94	Canada
8	DRCU	Desjardins RI Active Cdn Bond - Net Zero Emissions	18.27	42	2	0.40	ETF	2018-09-27	4.41	7.14	Canada
9	SRIB	Scotia Responsible Investing Canadian Bond	18.25	38	9	0.15	ETF	2022-01-13	3.91	7.07	Canada
10	XCBG	iShares ESG Advanced Canadian Corp Index ETF	36.49	33	2	0.17	ETF	2021-08-12	4.98	4.62	Canada
11	XSHG	iShares ESG Advanced 1-5 Year Canadian Corp	38.04	15	1	0.17	ETF	2021-08-12	5.02	2.72	Canada
12	TMCC	TD Morningstar ESG Canada Corp Index ETF	9.22	4	2	0.17	ETF	2021-11-30	4.84	6.19	Canada
13	CSCP	CIBC Sustainable Canadian Core Plus Bond ETF	17.10	1	0.1	0.51	ETF	2021-07-19	4.72	7.07	Canada
14	MGSB	Mackenzie Global Sustainable Bond ETF	17.54	187	0.4	0.52	ETF	2021-09-23	5.76	5.73	Global
15	IWBE	Invesco ESG Global Bond ETF Curr-H	17.85	187	3	0.51	ETF	2022-01-20	4.95	5.61	Global
16	FBGO	Franklin Brandywine Gbl Sustainable Income	17.56	14	4	0.68	ETF	2021-06-29	5.87	3.91	Global
17	ZMSB	BMO Sustainable Global Multi-Sector Bond Fund	28.21	13	2	0.67	ETF	2018-05-29	5.45	4.14	Global
18	CGRB	CI Global Green Bond Fund	20.92	13	1	0.75	ETF	2022-09-27	4.09	6.46	Global
19	HGGB	Horizons S&P Green Bond Index ETF	21.58	5	1	0.54	ETF	2021-06-02	5.61	4.20	Global
20	CGRB/U	CI Global Green Bond Fund (US\$)	28.13	1	0.1	0.77	ETF	2022-09-27	4.09	6.46	Global
21	WGSB	Wealthsimple N. Am Green Bond Index ETF Curr-H	22.47	229	23	0.28	ETF	2022-01-21	5.00	5.72	North America
22	ESGF	BMO ESG US Corporate Bond Curr-H Index ETF	24.20	21	3	0.23	ETF	2020-01-21	5.38	7.07	U.S.
23	ESGH/F	BMO ESG High Yield US Corp Index ETF Curr-H	25.06	4	0.1	0.51	ETF	2021-02-18	7.55	3.49	U.S.

* Please see more details about MER disclosures in Glossary Appendix on page 86.

ESG FIXED INCOME											Grouped by region and sorted by AUM	
25	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Region	
24	TMUC	TD Morningstar ESG US Corporate Bond Index ETF	8.39	3	3	0.23	ETF	2021-11-30	5.34	7.05	U.S.	
25	ESGH	BMO ESG High Yield US Corporate Bond Index ETF	27.16	3	0.2	0.51	ETF	2021-01-18	7.55	3.49	U.S.	

HIGH YIELD FIXED INCOME											Grouped by strategy and sorted by AUM	
22	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
1	ZFH	BMO Floating Rate High Yield ETF	14.72	90	25	0.45	ETF	2014-02-14	8.20	0.18	CDS	
2	NHYB	NBI High Yield Bond ETF	21.24	1,066	17	0.69	ETF	2020-03-04	8.23	8.23	High Yield	
3	ZJK	BMO High Yield US Corporate Bond Index ETF	17.92	1,028	13	0.61	ETF	2017-10-04	7.86	3.25	High Yield	
4	ZHY	BMO High Yield US Corp Curr-H Index ETF	11.08	961	702	0.61	ETF	2009-10-26	7.86	3.25	High Yield	
5	XHY	iShares US High Yield Bond Index ETF Curr-H	16.37	418	46	0.57	ETF	2010-01-21	7.89	3.32	High Yield	
6	MHYB	Mackenzie Global High Yield Fixed Income ETF	17.50	263	29	0.66	ETF	2017-04-26	7.61	3.83	High Yield	
7	XHB	iShares Canadian HYbrid Corporate Bond Index ETF	19.14	188	40	0.50	ETF	2010-09-22	5.68	5.49	High Yield	
8	PFH/F	Invesco Fundamental HY Index ETF Curr-H	17.88	149	4	0.55	ETF	2011-06-21	6.38	3.87	High Yield	
9	TUHY	TD Active US High Yield Bond ETF	20.92	140	235	0.62	ETF	2019-11-26	7.10	3.97	High Yield	
10	SYLD	Purpose Strategic Yield Fund	18.26	73	18	0.91	ETF	2018-04-05	7.87	1.62	High Yield	
11	DXO	Dynamic Active Crossover Bond ETF	19.31	61	9	0.56	ETF	2017-01-25	6.22	4.97	High Yield	
12	QHY	Mackenzie US High Yield Bond Index ETF Curr-H	86.11	38	2	0.44	ETF	2018-01-24	7.86	3.52	High Yield	
13	CGHY	CI Global High Yield Credit Private Pool ETF	10.12	11	2	0.81	ETF	2022-04-11	7.45	3.43	High Yield	
14	ZJK/U	BMO High Yield US Corporate Bond Index ETF (US\$)	23.46	6	1	0.59	ETF	2021-02-18	7.86	3.25	High Yield	
15	CGHY/U	CI Global High Yield Credit Private Pool ETF (US\$)	13.64	2	7	0.81	ETF	2022-04-11	7.45	3.43	High Yield	
16	CINC	CI Doubleline Income US\$ Fund Curr-H	17.80	1	0.5	0.92	ETF	2020-05-12	8.10	2.97	High Yield	
17	CINC/B	CI Doubleline Income US\$ Fund	17.46	1	0.4	0.96	ETF	2020-05-12	8.10	2.97	High Yield	
18	CINC/U	CI Doubleline Income US\$ Fund (US\$)	24.60	0.2	2	0.96	ETF	2020-05-12	8.10	2.97	High Yield	
19	MFT	Mackenzie Floating Rate Income ETF	17.45	596	77	0.67	ETF	2016-04-19	10.87	0.30	Senior Loan	
20	FSL	First Trust Senior Loan ETF Curr-H	17.04	42	21	1.02	ETF	2013-08-28	8.58	0.51	Senior Loan	
21	IFRL	iA Clarington Floating Rate Income Fund - ETF	8.63	12	5	0.94	ETF	2019-11-04	8.90	0.60	Senior Loan	
22	CFRT	CI Floating Rate Income Fund/ETF	20.54	4	1	0.59	ETF	2022-04-19	8.83	0.38	Senior Loan	

PREFERRED SHARE											Grouped by region and sorted by AUM	
28	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Region		
1	ZPR	BMO Laddered Preferred Share Index ETF	9.90	1,526	446	0.50	ETF	2012-11-20	5.45	Canada		
2	HPR	Horizons Active Preferred Share ETF	8.42	1,060	243	0.64	ETF	2010-11-22	4.95	Canada		
3	CPD	iShares S&P/TSX Canadian Preferred Share	11.57	1,046	213	0.50	ETF	2007-04-09	5.54	Canada		
4	DXP	Dynamic Active Preferred Shares ETF	21.16	616	97	0.66	ETF	2017-01-25	5.22	Canada		
5	RPF	RBC Canadian Preferred Share ETF	19.72	545	88	0.58	ETF	2016-09-20	5.58	Canada		
6	TPRF	TD Active Preferred Share ETF	10.11	267	92	0.50	ETF	2018-11-14	5.20	Canada		
7	SPLT	Brompton Split Corp Preferred Share ETF	10.43	148	135	0.65	ETF†	2023-06-12	NA	Canada		
8	NPRF	NBI Active Canadian Preferred Shares ETF	21.70	132	13	0.58	ETF	2019-01-15	5.37	Canada		
9	HLPR	Horizons Laddered Canadian Preferred Share	25.03	104	9	0.33	Corp (Swap)	2019-02-27	-	Canada		
10	PR	Lysander-Slater Preferred Share ActivETF	9.05	78	17	0.99	ETF	2015-08-18	4.43	Canada		
11	HYBR	Horizons Active Hybrid Bond and Preferred Share	8.69	65	6	0.64	ETF	2013-10-02	4.72	Canada		
12	RPS	Purpose Canadian Preferred Share Fund	21.06	60	7	0.92	ETF	2017-03-15	5.38	Canada		
13	DIVS	Evolve Active Canadian Preferred Share Fund	15.02	53	8	0.90	ETF	2017-09-29	5.60	Canada		
14	ZBI	BMO Canadian Bank Income Index ETF	28.90	32	35	0.28	ETF	2022-02-10	3.46	Canada		
15	DCP	Desjardins Canadian Preferred Share ETF	17.93	32	0.4	0.46	ETF	2017-04-03	4.86	Canada		
16	ZPR/U	BMO Laddered Preferred Share Index ETF (US\$)	21.76	21	0.3	0.51	ETF	2022-01-27	5.62	Canada		
17	XPF	iShares S&P/TSX N. Am Preferred Stock Curr-H	14.90	179	45	0.50	ETF	2010-11-22	5.50	North America		
18	BPRF	Brompton Flaherty & Crumrine I.G. Pref Curr-H	22.42	154	5	0.91	ETF	2018-10-18	5.65	North America		
19	BEPR	Brompton Flaherty & Crumrine Enh (1.33x) IG Pref	9.00	61	10	2.35	ETF†	2021-11-26	9.36	North America		
20	FPR	CI Preferred Share ETF	21.46	55	3	0.82	ETF	2016-05-17	5.50	North America		
21	BPRF/U	Brompton Flaherty & Crumrine IG Pref (US\$)	30.07	6	1	0.91	ETF	2019-08-12	5.71	North America		
22	BEPR/U	Brompton F&C Enh (1.33x) IG Pref (US\$)	12.63	1	1	2.35	ETF†	2021-11-26	8.64	North America		
23	ZUP	BMO US Preferred Share Index ETF	20.91	48	2	0.50	ETF	2017-02-09	6.40	U.S.		
24	ZUP/U	BMO US Preferred Share Index ETF (US\$)	26.99	17	2	0.50	ETF	2017-02-09	6.65	U.S.		
25	ZHP	BMO US Preferred Share Curr-H Index ETF	18.64	20	2	0.50	ETF	2017-02-09	6.68	U.S.		
26	RPU	Purpose US Preferred Share Fund Curr-H	19.23	16	1	0.94	ETF	2017-03-15	5.83	U.S.		
27	RPU/U	Purpose US Preferred Share Fund (US\$)	20.08	9	1	0.96	ETF	2017-07-31	5.58	U.S.		
28	RPU/B	Purpose US Preferred Share Fund	20.09	9	0.0	0.94	ETF	2017-03-15	5.56	U.S.		

* Please see more details about MER disclosures in Glossary Appendix on page 86.

CONVERTIBLE											Sorted by AUM
2	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Region	
1	CVD	iShares Convertible Bond Index ETF	16.50	92	6	0.49	ETF	2011-06-14	5.38	Canada	
2	CXF	CI Canadian Convertible Bond ETF	9.58	51	20	0.71	ETF	2011-06-07	4.95	Canada	

* Please see more details about MER disclosures in Glossary Appendix on page 86.

Commodity

COMMODITY									Grouped by commodity and sorted by AUM
29	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Commodity
1	CCOM	CI Auspice Broad Commodity Fund Curr-H	19.36	140	40	0.70	ETF†	2022-09-27	Broad
2	CARB	Horizons Carbon Credits ETF	6.36	3	1	0.94	Corp Class†	2022-02-10	Carbon Credits
3	TCBN	TD Global Carbon Credit Index ETF	33.94	3	0.4	0.71	ETF†	2022-08-30	Carbon Credits
4	CBON	Ninepoint Carbon Credit ETF	22.14	1	0.3	2.06	ETF†	2022-02-16	Carbon Credits
5	CBON/U	Ninepoint Carbon Credit ETF (US\$)	22.12	1	0.1	2.06	ETF†	2022-02-16	Carbon Credits
6	HUC	Horizons Crude Oil ETF Curr-H	22.54	25	11	0.88*	Corp (Forward)	2009-06-25	Crude Oil
7	CGL	iShares Gold Bullion ETF Curr-H	17.77	734	204	0.55	ETF	2009-05-28	Gold
8	MNT	Royal Canadian Mint - Canadian Gold Reserves	29.92	556	23	0.35	ETR	2011-11-29	Gold
9	MNT/U	Royal Cdn Mint - Canadian Gold Reserves (US\$)	29.92	556	0.4	0.35	ETR	2011-11-29	Gold
10	CGL/C	iShares Gold Bullion ETF	25.51	228	24	0.55	ETF	2011-03-31	Gold
11	KILO	Purpose Gold Bullion Fund Curr-H	33.07	129	27	0.22	ETF	2018-10-31	Gold
12	VALT/U	CI Gold Bullion Fund (US\$)	29.73	46	12	0.17	ETF	2021-01-12	Gold
13	KILO/B	Purpose Gold Bullion Fund	35.80	44	3	0.23	ETF	2018-10-31	Gold
14	VALT	CI Gold Bullion Fund Curr-H	27.75	35	9	0.18	ETF	2021-01-12	Gold
15	VALT/B	CI Gold Bullion Fund	29.90	17	1	0.17	ETF	2021-03-22	Gold
16	KILO/U	Purpose Gold Bullion Fund (US\$)	46.40	12	3	0.23	ETF	2018-10-31	Gold
17	HUG	Horizons Gold ETF Curr-H	17.55	16	4	0.29*	Corp (Forward)	2009-06-25	Gold
18	ZGLD	BMO Gold Bullion ETF	32.45	6	8	0.23	ETF	2024-02-15	Gold
19	ZGLD/U	BMO Gold Bullion ETF (US\$)	43.54	2	1	0.23	ETF	2024-02-15	Gold
20	ZGLH	BMO Gold Bullion Hedged to CAD ETF	30.90	1	0.5	0.23	ETF	2024-02-15	Gold
21	HUN	Horizons Natural Gas ETF Curr-H	8.35	13	37	0.88*	Corp (Forward)	2009-06-25	Natural Gas
22	MNS/U	Royal Cdn Mint - Canadian Silver Reserves (US\$)	17.21	86	1	0.45	ETR	2012-11-01	Silver
23	MNS	Royal Canadian Mint - Canadian Silver Reserves	17.21	86	12	0.45	ETR	2012-12-05	Silver
24	SVR	iShares Silver Bullion ETF Curr-H	12.11	72	39	0.66	ETF	2009-07-15	Silver
25	SBT/U	Purpose Silver Bullion Fund (US\$)	17.29	47	1	0.52	ETF	2009-06-08	Silver
26	SBT/B	Purpose Silver Bullion Fund	17.29	48	5	0.52	ETF	2009-06-08	Silver
27	SVR/C	iShares Silver Bullion ETF	12.79	32	8	0.66	ETF	2011-03-04	Silver
28	HUZ	Horizons Silver ETF Curr-H	11.27	23	15	0.78*	Corp (Forward)	2009-06-25	Silver
29	SBT	Purpose Silver Bullion Fund Curr-H	12.94	6	2	0.28	ETF	2016-05-26	Silver

LEVERAGED INVERSE COMMODITY									Sorted by AUM
4	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Commodity
1	HOD	BetaPro Crude Oil Inverse Leveraged Daily Bear	6.53	60	1,650	1.42*	Corp (Swap)†	2008-01-16	Crude Oil
2	HND	BetaPro Natural Gas Inverse Leveraged Daily Bear	117.00	43	401	1.38*	Corp (Swap)†	2008-01-16	Natural Gas
3	HZD	BetaPro Silver -2x Daily Bear ETF	12.97	4	71	1.65*	Corp (Swap)†	2009-07-06	Silver
4	HBD	BetaPro Gold Bullion -2x Daily	8.91	2	11	1.64*	Corp (Swap)†	2008-01-23	Gold

LEVERAGED LONG COMMODITY									Sorted by AUM
4	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Commodity
1	HNU	BetaPro Natural Gas Leveraged Daily Bull ETF	3.42	151	11,400	1.38*	Corp (Swap)†	2008-01-16	Natural Gas
2	HOU	BetaPro Crude Oil 2x Daily Bull ETF	15.29	97	935	1.34*	Corp (Swap)†	2008-01-16	Crude Oil
3	HZU	BetaPro Silver 2x Daily Bull ETF	20.97	51	171	1.35*	Corp (Swap)†	2009-06-30	Silver
4	HBU	BetaPro Gold Bullion 2x Daily Bull ETF	13.28	15	29	1.64*	Corp (Swap)†	2008-01-23	Gold

* Please see more details about MER disclosures in Glossary Appendix on page 86.

Multi-Asset

ASSET ALLOCATION PORTFOLIO										Grouped by strategy and sorted by AUM
78	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
1	VEQT	Vanguard All-Equity ETF Portfolio	40.18	3,955	378	0.24	ETF	2019-02-05	1.74	All Equity
2	XEQT	iShares Core Equity ETF Portfolio	30.19	3,208	744	0.20	ETF	2019-08-13	1.94	All Equity
3	FEQT	Fidelity All-in-One Equity ETF	12.43	248	152	0.41	ETF	2022-01-20	1.19	All Equity
4	HEQT	Horizons All-Equity Asset Allocation ETF	16.12	240	56	0.20*	ETF (Swap)	2019-09-16	1.88	All Equity
5	ZEQT	BMO All Equity ETF	46.13	76	10	0.20	ETF	2022-01-27	1.97	All Equity
6	HEQL	Horizons Enh (1.25x) All-Equity Asset Allocation	23.98	5	2	0.51*	ETF†	2023-10-10	NA	All Equity
7	MEQT	Mackenzie All-Equity Allocation ETF	22.50	4	8	0.19	ETF	2023-11-20	NA	All Equity
8	CEQT	CI Equity Asset Allocation ETF	22.56	2	15	0.25	ETF	2023-05-23	NA	All Equity
9	VBAL	Vanguard Balanced ETF Portfolio	30.93	2,745	206	0.24	ETF	2018-02-01	2.50	Balanced
10	XBAL	iShares Core Balanced ETF Portfolio	28.00	1,275	157	0.20	ETF	2007-06-20	2.47	Balanced
11	FBAL	Fidelity All-in-One Balanced ETF	11.82	782	452	0.38	ETF	2021-01-21	1.60	Balanced
12	ZBAL	BMO Balanced ETF	37.24	194	19	0.20	ETF	2019-02-15	2.38	Balanced
13	HBAL	Horizons Balanced Asset Allocation ETF	14.52	142	27	0.20*	ETF (Swap)	2018-08-02	2.50	Balanced
14	PABF	Purpose Active Balanced Fund	22.36	116	19	0.23	ETF	2023-10-24	NA	Balanced
15	MBAL	Mackenzie Balanced Allocation ETF	23.32	75	20	0.19	ETF	2020-09-29	2.30	Balanced
16	TBAL	TD Balanced ETF Portfolio	17.53	44	18	0.17	ETF	2020-08-18	2.63	Balanced
17	ZBAL/T	BMO Balanced ETF - fixed % distribution unit	28.95	26	4	0.20	ETF	2022-01-27	5.64	Balanced
18	CBAL	CI Balanced Asset Allocation ETF	21.43	2	1	0.25	ETF	2023-05-23	NA	Balanced
19	VCNS	Vanguard Conservative ETF Portfolio	27.94	487	41	0.24	ETF	2018-02-01	2.72	Conservative
20	XCNS	iShares Core Conservative Balanced ETF Portfolio	22.16	290	50	0.20	ETF	2019-08-13	2.54	Conservative
21	FCNS	Fidelity All-in-One Conservative ETF	10.52	233	162	0.37	ETF	2022-01-20	1.81	Conservative
22	VCIP	Vanguard Conservative Income ETF Portfolio	25.45	193	18	0.24	ETF	2019-02-05	2.95	Conservative
23	HCON	Horizons Conservative Asset Allocation ETF	13.01	47	14	0.20*	ETF (Swap)	2018-08-02	2.79	Conservative
24	PACF	Purpose Active Conservative Fund	21.88	40	12	0.23	ETF	2023-10-24	NA	Conservative
25	ZCON	BMO Conservative ETF	33.29	40	3	0.20	ETF	2019-02-15	2.67	Conservative
26	XINC	iShares Core Income Balanced ETF Portfolio	19.61	36	3	0.20	ETF	2019-08-13	2.92	Conservative
27	MCON	Mackenzie Conservative Allocation ETF	20.99	30	2	0.19	ETF	2020-09-29	2.41	Conservative
28	TCON	TD Conservative ETF Portfolio	14.78	25	9	0.17	ETF	2020-08-18	3.38	Conservative
29	PLV	Invesco Low Volatility Portfolio ETF	23.16	16	7	0.39	ETF	2015-05-06	2.76	Conservative
30	CCNV	CI Conservative Asset Allocation ETF	20.48	2	1	0.25	ETF	2023-05-23	NA	Conservative
31	CBIN	CI Balanced Income Asset Allocation ETF	20.40	1	0.0	0.25	ETF	2023-05-23	NA	Conservative
32	BMAX	Brompton Enhanced (1.33x) Multi-Asset Income	13.53	57	17	2.59	ETF†	2022-10-20	9.06	Covered Call
33	EQCL	Horizons Enh (1.25x) All-Eqy Allocation Covered Call	21.76	11	8	0.85*	ETF†	2023-10-10	NA	Covered Call
34	GRCC	Horizons Growth Asset Allocation Covered Call ETF	21.32	5	6	0.55	ETF	2023-10-11	NA	Covered Call
35	GEQT	iShares ESG Equity ETF Portfolio	56.89	81	5	0.25	ETF	2020-09-09	1.45	ESG
36	GGRO	iShares ESG Growth ETF Portfolio	51.97	80	5	0.24	ETF	2020-09-09	1.77	ESG
37	GBAL	iShares ESG Balanced ETF Portfolio	47.11	68	5	0.25	ETF	2020-09-09	2.30	ESG
38	ZESG	BMO Balanced ESG ETF	35.10	61	3	0.20	ETF	2020-01-21	2.13	ESG
39	GCNS	iShares ESG Conservative Balanced ETF Portfolio	41.84	20	3	0.25	ETF	2020-09-09	2.87	ESG
40	CSBG	CIBC Sustainable Balanced Growth Solution ETF	20.33	1	0.0	0.90	ETF	2021-07-19	0.12	ESG
41	CSBA	CIBC Sustainable Balanced Solution ETF	19.80	1	0.0	0.85	ETF	2021-07-19	1.50	ESG
42	CSCB	CIBC Sustainable Conservative Balanced Solution	18.87	1	0.1	0.79	ETF	2021-07-19	1.92	ESG
43	VGRO	Vanguard Growth ETF Portfolio	34.11	5,055	333	0.24	ETF	2018-02-01	2.30	Growth
44	XGRO	iShares Core Growth ETF Portfolio	27.65	2,148	241	0.20	ETF	2007-06-20	2.15	Growth
45	FGRO	Fidelity All-in-One Growth ETF	13.23	396	215	0.39	ETF	2021-01-21	1.26	Growth
46	ZGRO	BMO Growth ETF	41.51	263	29	0.20	ETF	2019-02-15	2.14	Growth
47	PAGF	Purpose Active Growth Fund	22.92	66	13	0.23	ETF	2023-10-24	NA	Growth
48	TGRO	TD Growth ETF Portfolio	20.61	66	18	0.17	ETF	2020-08-18	2.09	Growth
49	MGRW	Mackenzie Growth Allocation ETF	26.00	29	6	0.20	ETF	2020-09-29	2.18	Growth
50	HGRW	Horizons Growth Asset Allocation ETF	22.73	9	5	0.20	ETF (Swap)	2023-10-10	NA	Growth
51	ZGRO/T	BMO Growth ETF - fixed % distribution unit	32.92	5	2	0.20	ETF	2023-01-26	5.52	Growth
52	CGRO	CI Growth Asset Allocation ETF	22.05	2	1	0.25	ETF	2023-05-23	NA	Growth
53	CBGR	CI Balanced Growth Asset Allocation ETF	21.75	2	2	0.25	ETF	2023-05-23	NA	Growth
54	FGRW	Forstrong Global Growth ETF	20.99	2	2	0.62	ETF	2023-08-09	NA	Growth
55	RTA	Purpose Tactical Asset Allocation Fund/ ETF	29.30	264	16	1.18	Corp Class	2017-05-24	-	Tactical
56	ZFN	BMO SIA Focused N. Am Equity Fund ETF Series	47.98	137	6	0.83	ETF	2018-12-11	0.84	Tactical
57	ZFC	BMO SIA Focused Canadian Equity Fund ETF Series	42.66	59	3	0.80	ETF	2018-12-11	0.51	Tactical
58	IGAF	iA Clarington Loomis Global Allocation Fund ETF	14.16	39	8	1.08	ETF	2019-11-04	0.58	Tactical
59	CGAA	CI Global Asset Allocation Private Pool ETF	26.20	17	2	0.82	ETF	2019-08-12	2.08	Tactical
60	MPCF	Mackenzie Portfolio Completion ETF	18.00	1	6	0.72	ETF	2017-11-22	4.82	Tactical
61	GPMD	GuardPath TM Managed Decumulation 2042	9.89	1	0.1	0.84	ETF	2022-09-02	8.09	Target Date

* Please see more details about MER disclosures in Glossary Appendix on page 86.

ASSET ALLOCATION PORTFOLIO										Grouped by strategy and sorted by AUM
78	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
62	FIE	iShares Canadian Financial Monthly Income ETF	7.20	1,003	341	0.91	ETF	2007-04-17	6.74	Yield Focus
63	XTR	iShares Diversified Monthly Income ETF	10.67	397	75	0.61	ETF	2005-12-19	4.52	Yield Focus
64	VRIF	Vanguard Retirement Income ETF Portfolio	24.07	292	27	0.32	ETF	2020-09-16	4.26	Yield Focus
65	ZMI	BMO Monthly Income ETF	16.64	118	20	0.20	ETF	2011-02-03	5.10	Yield Focus
66	PINC	Purpose Multi-Asset Income Fund	17.36	67	4	0.98	ETF	2018-04-05	5.85	Yield Focus
67	ZZZD	BMO Tactical Dividend ETF Fund ETF Serie	27.57	29	5	0.75	ETF	2019-01-11	4.31	Yield Focus
68	FCGI	Fidelity Global Monthly High Income ETF	13.26	20	3	0.60	ETF	2020-01-22	3.44	Yield Focus
69	ETP	First Trust Global Risk Managed Income Index ETF	16.76	16	4	1.01	ETF	2014-07-23	4.03	Yield Focus
70	GDIV	Manulife Smart Global Dividend ETF Portfolio	11.12	15	13	0.40	ETF	2023-05-17	NA	Yield Focus
71	DXR	Dynamic Active Retirement Income+ ETF	21.25	12	8	0.85	ETF	2021-03-31	5.01	Yield Focus
72	ZMI/U	BMO Monthly Income ETF (US\$)	37.52	6	2	0.20	ETF	2022-01-27	4.91	Yield Focus
73	FCMI	Fidelity Canadian Monthly High Income ETF	12.45	7	3	0.53	ETF	2020-01-22	3.87	Yield Focus
74	PIN	Purpose Monthly Income Fund	17.36	6	2	0.72	Corp Class	2013-09-06	5.75	Yield Focus
75	EGFI	Exemplar Growth and Income Fund	21.25	5	1	1.06	ETF	2018-07-27	4.08	Yield Focus
76	ISIF	iA Clarington Strategic Income Fund - ETF	11.41	1	3	0.97	ETF	2019-11-04	2.79	Yield Focus
77	FINC	Forstrong Global Income ETF	20.67	1	0.2	0.62	ETF	2023-08-09	NA	Yield Focus
78	PRP	Purpose Conservative Income Fund	19.35	1	1	0.73	Corp Class	2016-10-26	3.72	Yield Focus

COVERED CALL										Grouped by region and sorted by AUM
44	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Region
1	ZWC	BMO Canadian High Dividend Covered Call ETF	17.47	1,649	280	0.72	ETF	2017-02-09	7.33	Canada
2	HLIF	Harvest Canadian Equity Income Leaders ETF	8.93	108	31	0.79	ETF	2022-06-13	7.89	Canada
3	CNCC	Horizons Cdn Large Cap Equity Covered Call ETF	12.19	71	31	0.44	ETF	2011-03-17	9.88	Canada
4	RCDC	RBC Canadian Dividend Covered Call ETF	20.25	32	6	0.72	ETF	2023-01-17	6.88	Canada
5	ETSP	Evolve S&P/TSX 60 Enhanced Yield Fund	20.10	16	5	0.51	ETF	2023-01-10	9.64	Canada
6	CNCL	Horizons Enh (1.25x) Cdn Large Cap Covered Call	19.84	13	11	0.73*	ETF†	2023-07-06	NA	Canada
7	HLFE	Harvest Cdn Equity Enh (1.25x) Income Leaders	9.96	6	6	1.98	ETF†	2022-10-25	9.76	Canada
8	HBF	Harvest Brand Leaders Plus Income ETF Curr-H	9.71	436	72	0.93	ETF	2014-07-23	7.49	Global
9	HDIV	Hamilton Enh (1.25x) Multi-Sector Covered Call ETF	16.68	412	134	0.95*	ETF†	2021-07-21	10.20	Global
10	HDIF	Harvest Diversified Monthly Income Curr-H (1.25x)	8.34	370	188	1.98	ETF†	2022-02-16	10.32	Global
11	ZWG	BMO Global High Dividend Covered Call ETF	30.47	246	33	0.72	ETF	2020-01-21	6.97	Global
12	BDIV	Brompton Global Dividend Growth ETF Curr-H	20.19	84	8	0.96	ETF	2018-10-18	6.60	Global
13	HGY	Horizons Gold Yield ETF Curr-H	10.25	65	24	0.90	ETF	2010-12-20	5.76	Global
14	GDPY	Guardian Directed Premium Yield ETF	21.11	57	3	1.04	ETF	2020-08-11	7.12	Global
15	HBF/U	Harvest Brand Leaders Plus Income ETF (US\$)	14.81	39	7	0.93	ETF	2016-10-24	6.65	Global
16	GDPY/B	Guardian Directed Premium Yield ETF	20.32	46	2	1.04	ETF	2020-08-11	6.74	Global
17	HBF/B	Harvest Brand Leaders Plus Income ETF	10.73	17	3	0.93	ETF	2020-03-12	6.77	Global
18	TGED/U	TD Active Global Enhanced Dividend ETF (US\$)	23.32	9	4	0.74	ETF	2022-03-29	3.73	Global
19	HRIF	Harvest Diversified Equity Income ETF Curr-H	15.95	9	3	0.82	ETF	2023-04-12	6.98	Global
20	ZWQT	BMO Global Enhanced Income Fund	16.55	8	4	0.73	ETF	2023-06-23	NA	Global
21	HBFE	Harvest Brand Leaders Enh (1.25x) Income Curr-H	10.46	4	3	1.95	ETF†	2022-10-25	9.46	Global
22	ZWP	BMO Europe High Dividend Covered Call ETF	18.22	764	33	0.71	ETF	2018-03-07	6.98	Regional
23	ZWE	BMO Europe High Dividend Covered Call Curr-H ETF	20.99	613	64	0.71	ETF	2015-09-09	6.90	Regional
24	EDGF	Brompton European Dividend Gro	10.54	21	4	0.97	ETF	2017-07-21	5.31	Regional
25	BLOV	Brompton N. Am Low Volatility Dividend Curr-H	22.70	10	1	0.75	ETF	2020-05-04	4.53	Regional
26	ZWH	BMO US High Dividend Covered Call ETF	23.42	1,051	100	0.72	ETF	2014-02-14	5.22	U.S.
27	HYLD	Hamilton Enhanced (1.25x) US Covered Call ETF	13.31	491	194	0.91*	ETF†	2022-02-08	11.11	U.S.
28	SMAX	Hamilton US Equity Yield Maximizer ETF	18.19	370	43	0.73	ETF	2023-10-25	NA	U.S.
29	ZWA	BMO Covered Call DJIA Curr-H ETF	26.02	208	13	0.72	ETF	2011-10-27	6.08	U.S.
30	USCC/U	Horizons US Large Cap Covered Call ETF (US\$)	18.26	191	5	0.44	ETF	2011-09-14	10.77	U.S.
31	USCC	Horizons US Large Cap Equity Covered Call ETF	18.26	191	44	0.44	ETF	2014-01-16	10.69	U.S.
32	ZWS	BMO US High Dividend Covered Call Curr-H ETF	20.56	149	22	0.72	ETF	2018-03-07	5.37	U.S.
33	ZWH/U	BMO US High Dividend Covered Call ETF (US\$)	32.12	108	6	0.72	ETF	2015-02-12	5.42	U.S.
34	QQCC	Horizons NASDAQ-100 Covered Call ETF	11.72	133	94	0.90	ETF	2011-09-14	11.05	U.S.
35	ESPX	Evolve S&P 500 Enhanced Yield Fund Curr-H	23.69	69	24	0.51	ETF	2023-01-10	7.93	U.S.
36	USCL	Horizons Enh (1.25x) US Large Cap Eqy Covered Call	21.39	60	38	0.73*	ETF†	2023-07-06	NA	U.S.
37	HYLD/U	Hamilton Enhanced (1.25x) US Covered Call (US\$)	18.48	29	19	0.91*	ETF†	2022-02-04	10.86	U.S.
38	QQCL	Horizons Enh (1.25x) NASDAQ-100 Covered Call ETF	22.17	26	26	0.96*	ETF†	2023-10-10	NA	U.S.
39	QQQY	Evolve Nasdaq Technology Enhanced Yield	25.55	21	21	0.57	ETF	2023-10-03	NA	U.S.
40	RUDC	RBC US Dividend Covered Call ETF	21.45	16	2	0.72	ETF	2023-01-17	5.71	U.S.
41	ESPX/U	Evolve S&P 500 Enhanced Yield Fund (US\$)	32.02	4	5	0.51	ETF	2023-07-06	NA	U.S.
42	AENU	AGF Enhanced US Equity Income Fund	26.24	2	0.0	0.85	ETF	2023-08-21	NA	U.S.

* Please see more details about MER disclosures in Glossary Appendix on page 86.

COVERED CALL										Grouped by region and sorted by AUM
44	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Region
43	RUDC/U	RBC US Dividend Covered Call ETF (US\$)	21.28	1	1	0.72	ETF	2023-05-10	NA	U.S.
44	ESPX/B	Evolve S&P 500 Enhanced Yield Fund	24.15	1	8	0.51	ETF	2023-01-10	7.70	U.S.

SECTOR COVERED CALL										Grouped by sector and sorted by AUM
76	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Sector
1	ENCC	Horizons Cdn Oil and Gas Equity Covered Call ETF	11.41	296	188	0.84	ETF	2011-04-12	13.55	Energy
2	NXF/B	CI Energy Giants Covered Call ETF	8.10	155	379	0.69	ETF	2015-02-10	8.09	Energy
3	NXF	CI Energy Giants Covered Call ETF Curr-H	6.27	153	126	0.71	ETF	2015-02-10	8.11	Energy
4	NRGI	Ninepoint Energy Income Fund	22.56	135	21	3.54*	ETF†	2022-03-07	6.37	Energy
5	EMAX	Hamilton Energy Yield Maximizer ETF	17.95	108	16	0.73	ETF	2024-02-06	NA	Energy
6	ENCL	Horizons Enh (1.25x) Cdn Oil And Gas Covered Call	20.52	78	76	0.96*	ETF†	2023-10-10	NA	Energy
7	HPF	Harvest Energy Leaders Plus Income ETF Curr-H	3.59	39	28	1.29	ETF	2014-10-21	8.22	Energy
8	ZWEN	BMO Covered Call Energy ETF	30.93	36	35	0.73	ETF	2023-01-26	8.07	Energy
9	NXF/U	CI Energy Giants Covered Call ETF (US\$)	15.46	4	6	0.73	ETF	2022-03-03	8.11	Energy
10	HPF/U	Harvest Energy Leaders Plus Income ETF (US\$)	5.87	3	4	1.29	ETF	2016-10-24	6.82	Energy
11	ZWB	BMO Covered Call Canadian Banks ETF	18.42	3,076	431	0.71	ETF	2011-02-03	7.33	Financials
12	HMAX	Hamilton Canadian Financials Yield Maximizer ETF	14.02	717	415	0.73	ETF	2023-01-23	15.34	Financials
13	ZWK	BMO Covered Call US Banks ETF	20.98	354	132	0.72	ETF	2019-02-15	9.18	Financials
14	CIC	CI Canadian Banks Income Class ETF	11.11	196	32	0.81	Corp Class	2010-08-17	7.21	Financials
15	BANK	Evolve Can Banks and Lifecos Enh (1.25x) Yie	7.58	142	224	1.70	ETF†	2022-02-01	14.74	Financials
16	BKCC	Horizons Equal Weight Cdn Bank Covered Call ETF	14.41	137	31	0.44	ETF	2011-05-17	11.95	Financials
17	HUBL	Harvest US Bank Leaders Income ETF Curr-H	12.08	111	25	0.98	ETF	2018-02-05	8.43	Financials
18	CBNK	Mulvihill Canadian Bank Enhanced (1.25x) Yield	7.54	98	63	2.03	ETF†	2022-02-28	9.47	Financials
19	CALL	Evolve US Banks Enhanced Yield Fund Curr-H	12.38	90	40	0.68	ETF	2017-10-16	12.38	Financials
20	FLI	CI U.S. & Canada Lifeco Covered Call ETF	10.59	87	81	0.96	ETF	2013-08-22	6.79	Financials
21	BKCL	Horizons Enh (1.25) Eql Wgt Cdn Banks Covered Call	19.39	75	58	0.73*	ETF†	2023-07-06	NA	Financials
22	FMAX	Hamilton US Financials Yield Maximizer ETF	16.93	51	16	0.73	ETF	2024-02-06	NA	Financials
23	BFIN	Brompton N. Am Financials Dividend ETF Curr-H	21.17	50	1	0.96	ETF	2018-10-18	5.65	Financials
24	ZWB/U	BMO Covered Call Canadian Banks ETF (US\$)	31.49	14	5	0.71	ETF	2022-01-27	7.38	Financials
25	HUBL/U	Harvest US Bank Leaders Income ETF (US\$)	18.03	7	6	0.98	ETF	2018-02-05	7.53	Financials
26	CALL/B	Evolve US Banks Enhanced Yield Fund	15.26	9	4	0.67	ETF	2017-10-16	9.86	Financials
27	CALL/U	Evolve US Banks Enhanced Yield Fund (US\$)	18.61	7	7	0.67	ETF	2019-11-27	10.94	Financials
28	EBNK/B	Evolve European Banks Enhanced Yield ETF	10.43	4	3	0.85	ETF	2022-01-11	6.35	Financials
29	BNC	Purpose Canadian Financial Income Fund	25.64	3	1	0.68	Corp Class	2016-10-26	5.64	Financials
30	EBNK	Evolve European Banks Enhanced Yield ETF Curr-H	10.88	2	2	0.85	ETF	2022-01-11	6.62	Financials
31	EBNK/U	Evolve European Banks Enh Yield ETF (US\$)	13.19	1	2	0.84	ETF	2022-01-11	7.45	Financials
32	BFIN/U	Brompton N. Am Financials Dividend ETF (US\$)	28.31	1	0.2	0.96	ETF	2019-08-12	6.18	Financials
33	HHL	Harvest Healthcare Leaders Income ETF Curr-H	8.43	1,315	351	0.99	ETF	2014-12-18	8.47	Health Care
34	LIFE	Evolve Global Healthcare Enhanced Yield Curr-H	21.94	198	29	0.68	ETF	2017-10-25	8.91	Health Care
35	HHL/U	Harvest Healthcare Leaders Income ETF (US\$)	12.09	125	26	0.99	ETF	2017-02-09	8.00	Health Care
36	LMAX	Hamilton Healthcare Yield Maximizer ETF	16.20	122	10	0.73	ETF	2024-02-06	NA	Health Care
37	FHI	CI Health Care Giants Covered Call ETF Curr-H	11.95	78	9	0.71	ETF	2018-06-12	6.25	Health Care
38	HIG	Brompton Gbl Healthcare Income & Growth Curr-H	8.90	55	10	0.96	ETF	2015-09-24	7.55	Health Care
39	LIFE/B	Evolve Global Healthcare Enhanced Yield Fund	25.50	48	21	0.67	ETF	2017-10-25	7.64	Health Care
40	LIFE/U	Evolve Global Healthcare Enhanced Yield Fund (US\$)	29.04	25	2	0.67	ETF	2019-11-27	9.10	Health Care
41	HHLE	Harvest Healthcare Enh (1.25x) Income Curr-H	10.71	32	27	1.94	ETF†	2022-10-25	10.50	Health Care
42	HHL/B	Harvest Healthcare Leaders Income ETF	9.25	21	16	0.99	ETF	2020-03-12	7.70	Health Care
43	FHI/B	CI Health Care Giants Covered Call ETF	13.23	19	22	0.72	ETF	2018-06-12	6.24	Health Care
44	ZWHC	BMO Covered Call Health Care ETF	29.83	15	1	0.73	ETF	2023-01-26	6.56	Health Care
45	XLVE	Mulvihill US Health Care Enhanced (1.25x) Yield	8.92	7	2	0.73*	ETF†	2023-02-01	7.85	Health Care
46	FHI/U	CI Health Care Giants Covered Call ETF (US\$)	13.85	1	0.2	0.73	ETF	2022-03-03	6.07	Health Care
47	HIG/U	Brompton Gbl Healthcare Income & Growth (US\$)	12.55	1	20	0.96	ETF	2015-09-24	7.11	Health Care
48	GLCC	Horizons Gold Producer Equity Covered Call Curr-H	23.37	215	112	0.79	ETF	2011-04-12	11.03	Materials
49	CGXF	CI Gold Giants Covered Call ETF	9.28	143	135	0.71	ETF	2011-06-03	8.67	Materials
50	AMAX	Hamilton Gold Producer Yield Maximizer ETF	17.41	88	12	0.73	ETF	2024-02-06	NA	Materials
51	BASE	Evolve Gbl Materials & Mining Enh Yield Curr-H	27.15	52	17	0.84	ETF	2019-06-12	8.80	Materials
52	BASE/B	Evolve Global Materials & Mining Enhanced Yield	27.59	52	1	0.82	ETF	2019-06-12	8.62	Materials
53	CGXF/U	CI Gold+ Giants Covered Call ETF (US\$)	9.69	4	5	0.74	ETF	2022-03-03	9.26	Materials
54	HGR	Harvest Global REIT Leaders Income ETF Curr-H	6.06	16	19	0.99	ETF	2017-06-23	9.30	Real Estate
55	TXF	CI Tech Giants Covered Call ETF Curr-H	21.23	658	106	0.71	ETF	2011-10-26	7.00	Technology
56	HTA	Harvest Tech Achievers Growth & Income Curr-H	18.13	568	93	0.98	ETF	2015-05-25	7.44	Technology
57	QMAX	Hamilton Technology Yield Maximizer ETF	19.67	266	65	0.73	ETF	2023-10-25	NA	Technology
58	TLF	Brompton Tech Leaders Income ETF Curr-H	23.81	126	14	0.96	ETF	2011-05-20	5.14	Technology

* Please see more details about MER disclosures in Glossary Appendix on page 86.

SECTOR COVERED CALL Grouped by sector and sorted by AUM

76	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Sector
59	ZWT	BMO Covered Call Technology ETF	42.99	112	17	0.73	ETF	2021-01-26	3.38	Technology
60	TXF/B	CI Tech Giants Covered Call ETF	26.01	75	9	0.69	ETF	2017-09-01	7.00	Technology
61	TXF/U	CI Tech Giants Covered Call ETF (US\$)	15.03	75	4	0.73	ETF	2022-03-03	6.93	Technology
62	HTAE	Harvest Tech Achievers Enh (1.25x) Income Curr-H	16.54	56	42	1.92	ETF†	2022-10-25	8.77	Technology
63	HTA/U	Harvest Tech Achievers Growth & Income ETF (US\$)	26.36	32	11	0.99	ETF	2017-06-21	6.91	Technology
64	TLF/U	Brompton Tech Leaders Income ETF (US\$)	34.84	6	2	0.96	ETF	2019-08-12	4.96	Technology
65	HTA/B	Harvest Tech Achievers Growth & Income ETF	18.64	7	3	0.98	ETF	2020-03-12	7.20	Technology
66	TRVI	Harvest Travel & Leisure Income ETF Curr-H	20.66	66	5	0.85	ETF	2023-04-12	9.46	Thematic
67	BREA	Brompton Sustainable Real Assets Div Curr-H	24.48	18	2	0.96	ETF	2020-05-04	4.85	Thematic
68	LEAD	Evolve Future Leadership Fund Curr-H	20.00	14	2	1.01	ETF	2020-09-14	6.50	Thematic
69	LEAD/U	Evolve Future Leadership Fund (US\$)	26.26	3	1	0.98	ETF	2020-09-14	6.51	Thematic
70	LEAD/B	Evolve Future Leadership Fund	20.45	4	1	0.99	ETF	2020-09-14	6.16	Thematic
71	ZWU	BMO Covered Call Utilities ETF	10.18	1,761	553	0.71	ETF	2011-10-27	8.42	Utilities
72	UMAX	Hamilton Utilities Yield Maximizer ETF	14.81	250	172	0.73	ETF	2023-06-14	NA	Utilities
73	HUTL	Harvest Equal Weight Global Utilities Income Curr-H	16.22	187	37	0.75	ETF	2019-01-15	8.69	Utilities
74	HUTE	Harvest Eql-Wgt Gbl Util Enh (1.25x) Income Cad-H	9.49	10	20	1.89	ETF†	2022-10-25	10.86	Utilities
75	CUTL/B	CI Utilities Giants Covered Call ETF	18.79	2	4	0.73	ETF	2023-02-21	4.67	Utilities
76	CUTL	CI Utilities Giants Covered Call ETF Curr-H	19.12	2	0.2	0.73	ETF	2023-02-21	4.14	Utilities

SINGLE STOCK COVERED CALL Grouped by leverage factor and sorted by AUM

7	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Leverage Factor
1	YTSL	TSLA Yield Shares Purpose ETF Curr-H (1.25x)	15.71	98	251	0.52*	ETF†	2022-12-20	28.30	1.25
2	YAMZ	AMZN Yield Shares Purpose ETF Curr-H (1.25x)	41.04	48	8	0.52*	ETF†	2022-12-20	7.43	1.25
3	YGOG	GOOGL Yield Shares Purpose ETF Curr-H (1.25x)	30.20	16	10	0.52*	ETF†	2022-12-20	7.55	1.25
4	YNVD	NVDA YIELD SHARES PURPOSE ETF Curr-H (1.25x)	31.64	15	38	0.45*	ETF†	2024-01-18	NA	1.25
5	APLY	AAPL Yield Shares Purpose ETF Curr-H (1.25x)	23.18	10	10	0.52*	ETF†	2022-12-20	8.81	1.25
6	BRKY	BRK Yield Shares Purpose Curr-H (1.25x)	25.82	9	5	0.52*	ETF†	2022-12-20	4.68	1.25
7	MSFY	Msft Yield Shares Purpose ETF Curr-H (1.25x)	21.69	8	16	0.45*	ETF†	2024-01-18	NA	1.25

FIXED INCOME OPTION STRATEGIES Grouped by strategy and sorted by AUM

14	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
1	HPYT	Harvest Premium Yield Treasury ETF Curr-H	11.46	264	419	0.51	ETF	2023-09-28	NA	Covered Call
2	HBND	Hamilton US Bond Yield Maximizer ETF Curr-H	15.51	104	80	0.51	ETF	2023-09-14	NA	Covered Call
3	BOND/U	Evolve Enhanced Yield Bond Fund (US\$)	28.93	39	34	0.51	ETF	2024-02-15	NA	Covered Call
4	HPYM	Harvest Premium Yield 7-10 Year Treasury Curr-H	11.68	50	163	0.51	ETF	2024-01-11	NA	Covered Call
5	BOND	Evolve Enhanced Yield Bond Fund Curr-H	21.15	38	19	0.51	ETF	2023-10-04	NA	Covered Call
6	HPYT/U	Harvest Premium Yield Treasury ETF (US\$)	15.76	13	37	0.51	ETF	2024-01-11	NA	Covered Call
7	BOND/B	Evolve Enhanced Yield Bond Fund	21.40	14	84	0.51	ETF	2024-02-15	NA	Covered Call
8	HPYM/U	Harvest Premium Yield 7-10 Year Treasury (US\$)	15.81	4	5	0.51	ETF	2024-01-11	NA	Covered Call
9	SPAY/U	Horizons S.T. US Treasury Premium Yield ETF (US\$)	26.94	56	174	0.40	ETF	2023-10-05	NA	Put and Call Write
10	SPAY	Horizons S.T. US Treasury Premium Yield ETF	26.94	56	29	0.40	ETF	2023-10-05	NA	Put and Call Write
11	MPAY/U	Horizons Mid-Term US Treasury Premium Yld (US\$)	27.42	31	5	0.45	ETF	2023-10-05	NA	Put and Call Write
12	MPAY	Horizons Mid-Term US Treasury Premium Yield ETF	27.42	31	25	0.45	ETF	2023-10-05	NA	Put and Call Write
13	LPAY/U	Horizons Long-Term US Treasury Premium Yld (US\$)	27.99	30	22	0.51	ETF	2023-10-05	NA	Put and Call Write
14	LPAY	Horizons Long-Term US Treasury Premium Yield	27.99	30	17	0.51	ETF	2023-10-05	NA	Put and Call Write

OTHER OPTION STRATEGIES Grouped by strategy and sorted by AUM

30	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
1	ZEBA	BMO Canadian Banks Accelerator ETF	33.73	4	4	0.73	ETF	2023-09-26	NA	Accelerator
2	ZUEA	BMO US Equity Accelerator ETF	33.91	3	1	0.73	ETF	2023-09-26	NA	Accelerator
3	GDEP	Guardian Directed Equity Path ETF	20.32	13	1	1.07	ETF	2020-08-11	4.44	Collar Strategy
4	GDEP/B	Guardian Directed Equity Path ETF	19.30	12	0.1	1.07	ETF	2020-08-11	4.31	Collar Strategy
5	AUGB/F	FT Vest U.S. Equity Buffer ETF - Aug Curr-H	42.99	43	3	0.92	ETF	2019-08-29	-	Equity Buffer
6	NOVB/F	FT Vest US Equity Buffer ETF - Nov Curr-H	40.88	43	6	0.95	ETF	2020-02-04	-	Equity Buffer
7	FEBB/F	FT Vest US Equity Buffer ETF - Feb Curr-H	42.77	38	5	0.93	ETF	2020-02-25	-	Equity Buffer
8	ZOCT	BMO US Equity Buffer ETF - October Curr-H	31.99	29	3	0.73	ETF	2023-09-26	NA	Equity Buffer
9	ZJAN	BMO US Equity Buffer Curr-H ETF - January	30.76	16	3	0.73	ETF	2024-01-25	NA	Equity Buffer
10	BUFR	FT Vest Fund of Buffer ETFs Canada Curr-H	23.32	10	2	1.13	ETF	2023-05-25	NA	Equity Buffer
11	MAYB/F	FT Vest US Equity Buffer ETF - May Curr-H	41.03	10	1	0.94	ETF	2020-05-21	-	Equity Buffer
12	ZAPR	BMO US Equity Buffer Hedged to CAD ETF - April	29.97	1	NA	0.73	ETF	2024-04-01	NA	Equity Buffer
13	TGED	TD Active Global Enhanced Dividend ETF	23.40	513	118	0.72	ETF	2019-05-07	3.48	Put and Call Write

* Please see more details about MER disclosures in Glossary Appendix on page 86.

OTHER OPTION STRATEGIES										Grouped by strategy and sorted by AUM
30	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
14	DXQ	Dynamic Active Enhanced Yield Covered Options	24.43	345	60	0.73	ETF	2022-09-20	6.16	Put and Call Write
15	ZPAY	BMO Premium Yield ETF	30.90	331	34	0.73	ETF	2020-01-21	6.24	Put and Call Write
16	TUED	TD Active US Enhanced Dividend ETF	25.19	267	161	0.73	ETF	2020-06-02	2.48	Put and Call Write
17	PYF	Purpose Premium Yield Fund Curr-H	17.20	134	31	0.72	Corp Class	2016-01-19	7.67	Put and Call Write
18	ZPAY/U	BMO Premium Yield ETF (US\$)	40.19	38	1	0.71	ETF	2020-01-21	6.51	Put and Call Write
19	ZPAY/F	BMO Premium Yield ETF Curr-H	28.81	36	4	0.72	ETF	2020-01-21	6.52	Put and Call Write
20	PYF/U	Purpose Premium Yield Fund (US\$)	26.68	21	6	0.74	Corp Class	2018-11-28	8.73	Put and Call Write
21	PDIV	Purpose Enhanced Dividend Fund Curr-H	9.48	28	17	0.78	Corp Class	2018-01-02	12.10	Put and Call Write
22	TUED/U	TD Active US Enhanced Dividend ETF (US\$)	25.11	15	4	0.72	ETF	2022-03-29	2.63	Put and Call Write
23	PAYF	Purpose Enhanced Premium Yield Fund/ETF	18.80	10	2	1.40	Corp Class	2019-05-22	8.81	Put and Call Write
24	MPY	Mulvihill Premium Yield Fund/ETF	9.67	6	7	2.58	ETF	2022-11-01	6.11	Put and Call Write
25	PYF/B	Purpose Premium Yield Fund	20.09	2	6	0.74	Corp Class	2018-11-28	7.35	Put and Call Write
26	TUEX	TD Active US Enhanced Dividend Curr-H ETF	23.48	1	3	0.73	ETF	2023-04-27	NA	Put and Call Write
27	ZPW	BMO US Put Write ETF	16.14	65	11	0.71	ETF	2015-09-09	7.91	Put Write
28	ZPH	BMO US Put Write Curr-H ETF	15.40	28	5	0.71	ETF	2017-02-09	8.61	Put Write
29	ZPW/U	BMO US Put Write ETF (US\$)	21.71	9	12	0.71	ETF	2015-09-09	7.89	Put Write
30	TIF	Ninepoint Target Income Fund	20.21	1	0.2	1.14	ETF	2022-06-30	5.98	Put Write

ALTERNATIVE INVESTMENT										Grouped by strategy and sorted by AUM
49	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Strategy	
1	CRED	CI Alternative Investment Grade Credit Fund	19.57	418	32	1.31*	ETF†	2020-01-28	Credit Focused	
2	PFIG	Picton Mahoney Fortified Income Alt Fund Curr-H	9.79	329	101	1.33*	ETF†	2019-07-16	Credit Focused	
3	CROP	Purpose Credit Opportunities Fund/ETF	17.97	116	25	1.02	ETF†	2021-09-29	Credit Focused	
4	RATE	Arrow EC Income Advantage Alternative Fund ETF	20.89	48	6	1.92*	ETF†	2021-06-25	Credit Focused	
5	CMAR	CI Marret Alternative Absolute	17.89	38	1	1.24*	ETF†	2020-01-28	Credit Focused	
6	PFS	Picton Mahoney Fortified Special Situations Alt	9.17	31	14	1.52*	ETF†	2021-07-19	Credit Focused	
7	CROP/U	Purpose Credit Opportunities Fund/ETF (US\$)	27.06	5	7	1.02	ETF†	2022-09-29	Credit Focused	
8	CMEY	CI Marret Alternative Enhanced Yield Fund Curr-H	19.47	4	1	1.06*	ETF†	2020-05-19	Credit Focused	
9	NACO	Ninepoint Alt Credit Opportunities Fund - ETF	16.86	3	57	1.18*	ETF†	2021-05-14	Credit Focused	
10	CMAR/U	CI Marret Alternative Absolute (US\$)	24.63	2	1	1.23*	ETF†	2020-01-28	Credit Focused	
11	CRED/U	CI Alternative Investment Grade Credit Fund (US\$)	26.74	2	2	1.31*	ETF†	2020-01-28	Credit Focused	
12	CMEY/U	CI Marret Alternative Enhanced Yield Fund (US\$)	26.21	1	2	1.11*	ETF†	2020-05-19	Credit Focused	
13	CMAG	CI Munro Alternative Global Gr	32.28	205	67	1.17*	ETF†	2020-01-28	Equity Focused	
14	PFLS	Picton Mahoney Fortified Long Short Alt ETF	16.52	66	32	1.30*	ETF†	2020-07-15	Equity Focused	
15	CNAO/U	CI Alternative N. Am Opportunities Fund ETF (US\$)	35.46	35	21	1.21*	ETF†	2021-07-08	Equity Focused	
16	ZLSU	BMO Long Short US Equity ETF	34.82	39	1	0.73	ETF†	2023-09-26	Equity Focused	
17	ARB	Accelerate Arbitrage Fund	26.36	28	2	1.38	ETF†	2020-04-07	Equity Focused	
18	HDBG	Accelerate Absolute Return Fund	26.09	24	13	3.78*	ETF†	2019-05-10	Equity Focused	
19	PFAE	Picton Mahoney Fortified Active Extension Alt ETF	17.78	24	3	1.33*	ETF†	2019-07-16	Equity Focused	
20	CMAG/U	CI Munro Alternative Global Gr (US\$)	32.92	17	11	1.16*	ETF†	2021-01-19	Equity Focused	
21	FLSA	Fidelity Long/Short Alternative Fund	10.80	20	24	1.30	ETF†	2024-02-01	Equity Focused	
22	FGLS	Fidelity Global Value Long/Short Fund ETF	8.40	12	73	1.30	ETF†	2024-02-01	Equity Focused	
23	ZLSC	BMO Long Short Canadian Equity ETF	32.76	12	5	0.73	ETF†	2023-09-26	Equity Focused	
24	TGAF	Tralucet Global Alt Long/Short Equity Fund	20.41	5	1	1.13	ETF†	2023-11-15	Equity Focused	
25	ATXS	Accelerate Canadian Long Short Equity Fund	23.80	4	1	2.47*	ETF†	2019-05-10	Equity Focused	
26	CNAO	CI Alternative N. Am Opportunities Fund ETF	25.46	3	22	1.20*	ETF†	2021-07-08	Equity Focused	
27	FCLS	Fidelity Canadian Long/Short Alternative Fund	10.37	2	10	1.07	ETF†	2024-02-01	Equity Focused	
28	ADIV	Arrow EC Equity Advantage Alternative Fund	20.51	2	15	1.07	ETF†	2024-01-11	Equity Focused	
29	DANC	Desjardins Alt Long/Short Equity Market Neutral	22.07	416	24	1.16	ETF†	2019-01-24	Market Neutral	
30	QBTL	AGF US Market Neutral Anti-Bet Curr-H	18.46	265	41	0.55	ETF†	2019-10-03	Market Neutral	
31	PFMN	Picton Mahoney Fortified Market Neutral Alt Fund	13.97	205	72	2.02*	ETF†	2019-07-16	Market Neutral	
32	DAMG	Desjardins Alt Long/short Global Equity Curr-H	20.11	63	1	1.15	ETF†	2022-10-14	Market Neutral	
33	DANC/U	Desjardins Alt L/S Equity Market Neutral (US\$)	28.17	6	0.4	1.17	ETF†	2022-10-14	Market Neutral	
34	DAMG/U	Desjardins Alt L/S Global Equity Market (US\$)	28.28	3	0.0	1.15	ETF†	2022-10-14	Market Neutral	
35	FMNA	Fidelity Market Neutral Alternative Fund	10.20	1	0.1	1.30	ETF†	2024-02-01	Market Neutral	
36	NALT	NBI Liquid Alternatives ETF Curr-H	23.63	388	54	0.69	ETF†	2019-02-08	Multi-Strategy	
37	CMDO	CI Alternative Diversified Opportunities Fund	19.08	221	33	1.10	ETF†	2021-08-17	Multi-Strategy	
38	HAC	Horizons Seasonal Rotation ETF	30.16	215	8	1.24*	ETF†	2009-11-20	Multi-Strategy	
39	PFAA	Picton Mahoney Fortified Alpha Alternative Fund	10.90	99	27	1.70*	ETF†	2022-05-09	Multi-Strategy	
40	HRAA	Horizons ReSolve Adaptive Asset Allocation ETF	11.38	84	15	1.88*	Corp Class†	2020-07-30	Multi-Strategy	
41	CMDO/U	CI Alternative Diversified Opportunities Fund (US\$)	26.17	43	6	1.10	ETF†	2021-08-17	Multi-Strategy	
42	PMM	Purpose Multi-Strategy Market Neutral Fund-ETF	22.35	31	3	1.16	ETF†	2014-10-14	Multi-Strategy	
43	ONEC	Accelerate OneChoice Alternative Portfolio ETF	21.34	17	1	1.56*	ETF†	2021-01-27	Multi-Strategy	

* Please see more details about MER disclosures in Glossary Appendix on page 86.

ALTERNATIVE INVESTMENT Grouped by strategy and sorted by AUM

49	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Strategy
44	ACAA	Arrow Long/Short Alternative Class	20.46	7	4	4.20	ETF†	2022-11-30	Multi-Strategy
45	PFMS	Picton Mahoney Fortified Multi Strategy Alt Fund	12.22	4	1	2.42*	ETF†	2019-07-16	Multi-Strategy
46	PRA	Purpose Diversified Real Asset Fund	28.00	56	13	0.99	Corp Class†	2013-09-05	Real Asset & Infrastructure
47	RIIN	Russell Investments Global Infrastructure Pool ETF	18.92	25	2	1.09	ETF	2020-01-22	Real Asset & Infrastructure
48	RIRA	Russell Investments Real Assets ETF	17.29	10	2	1.19	ETF	2020-01-22	Real Asset & Infrastructure
49	AGLR	AGF Global Real Assets Fund	26.56	1	0.0	0.68	ETF	2024-02-27	Real Asset & Infrastructure

CURRENCY Sorted by AUM

2	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Region
1	DLR	Horizons US Dollar Currency ETF	13.71	140	1,857	0.72	ETF	2011-04-07	U.S.
2	DLR/U	Horizons US Dollar Currency ETF (US\$)	13.71	140	1,658	0.72	ETF	2011-05-12	U.S.

VOLATILITY Sorted by AUM

1	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor
1	HUV	BetaPro S&P 500 VIX Short-Term Futures ETF	9.22	19	183	1.00*	Corp (Swap)†	2010-12-16	1.0

* Please see more details about MER disclosures in Glossary Appendix on page 86.

Crypto-Asset

CRYPTO-ASSET		Grouped by focus and sorted by AUM							
35	Ticker	Fund Name	Price C\$	Assets C\$M	Volume (000)	MER (%)	Structure	Inception	Focus
1	BTCC/B	Purpose Bitcoin ETF - CAD	13.77	1,371	2,796	1.45	ETF†	2021-02-18	Bitcoin
2	BTCC/U	Purpose Bitcoin ETF - USD (US\$)	17.45	664	642	1.46	ETF†	2021-02-18	Bitcoin
3	BTCX/B	CI Galaxy Bitcoin ETF	14.24	786	1,896	0.87	ETF†	2021-03-09	Bitcoin
4	BTCX/U	CI Galaxy Bitcoin ETF (US\$)	17.98	509	285	0.87	ETF†	2021-03-09	Bitcoin
5	BTCC	Purpose Bitcoin ETF Curr-H	13.42	665	1,808	1.45	ETF†	2021-02-24	Bitcoin
6	FBTC	Fidelity Advantage Bitcoin ETF	32.00	465	323	0.44	ETF†	2021-12-02	Bitcoin
7	FBTC/U	Fidelity Advantage Bitcoin ETF (US\$)	32.00	465	9	0.44	ETF†	2021-12-02	Bitcoin
8	BTCQ	3iQ CoinShares Bitcoin ETF	15.46	288	167	1.31	ETF†	2021-04-19	Bitcoin
9	BTCQ/U	3iQ CoinShares Bitcoin ETF (US\$)	15.46	288	8	1.31	ETF†	2021-04-19	Bitcoin
10	EBIT	Evolve Bitcoin ETF	34.75	193	234	2.18	ETF†	2021-02-19	Bitcoin
11	BTCY	Purpose Bitcoin Yield ETF Curr-H	6.98	80	222	1.28	ETF†	2021-12-02	Bitcoin
12	EBIT/U	Evolve Bitcoin ETF - USD (US\$)	34.60	29	10	2.10	ETF†	2021-02-19	Bitcoin
13	BTCY/B	Purpose Bitcoin Yield ETF	8.06	21	32	1.28	ETF†	2021-11-29	Bitcoin
14	BITI/U	Horizons Betapro Inverse Bitcoin ETF (US\$)	4.58	18	21	1.86	Corp Class†	2021-04-15	Bitcoin
15	BITI	Horizons Betapro Inverse Bitcoin ETF	4.58	18	1,056	1.86	Corp Class†	2021-04-15	Bitcoin
16	BTCY/U	Purpose Bitcoin Yield ETF (US\$)	9.14	8	8	1.28	ETF†	2021-12-02	Bitcoin
17	BTCC/J	Purpose Bitcoin ETF	12.35	1	1	1.63	ETF†	2021-11-09	Bitcoin
18	ETHX/B	CI Galaxy Ethereum ETF	17.37	733	1,552	0.81	ETF†	2021-04-20	Ethereum
19	ETHX/U	CI Galaxy Ethereum ETF (US\$)	21.81	241	202	0.81	ETF†	2021-03-16	Ethereum
20	ETHH/B	Purpose Ether ETF	16.76	226	817	1.47	ETF†	2021-04-21	Ethereum
21	ETHH	Purpose Ether ETF Curr-H	14.43	170	514	1.48	ETF†	2021-04-21	Ethereum
22	ETHH/U	Purpose Ether ETF (US\$)	20.96	95	130	1.49	ETF†	2021-04-21	Ethereum
23	ETHR	Evolve Ether ETF	16.65	91	169	1.84	ETF†	2021-04-20	Ethereum
24	ETHQ/U	3iQ Ether Staking ETF (US\$)	19.09	66	3	1.26	ETF†	2021-04-23	Ethereum
25	ETHQ	3iQ Ether Staking ETF	19.09	66	92	1.26	ETF†	2021-04-23	Ethereum
26	ETHY	Purpose Ether Yield ETF Curr-H	4.58	53	172	1.28	ETF†	2021-12-02	Ethereum
27	ETHY/B	Purpose Ether Yield ETF	5.67	20	39	1.28	ETF†	2021-11-29	Ethereum
28	FETH	Fidelity Advantage Ether ETF	65.66	16	5	0.45*	ETF†	2022-09-28	Ethereum
29	FETH/U	Fidelity Advantage Ether ETF (US\$)	65.66	16	1	0.45*	ETF†	2022-09-28	Ethereum
30	ETHR/U	Evolve Ether ETF (US\$)	20.97	10	14	1.84	ETF†	2021-04-20	Ethereum
31	ETHY/U	Purpose Ether Yield ETF (US\$)	6.02	4	13	1.35	ETF†	2021-12-02	Ethereum
32	ETC	Evolve Cryptocurrencies ETF	15.27	42	44	1.71	ETF†	2021-09-29	Multi-crypto
33	CMCX/B	CI Galaxy Multi- Crypto ETF	14.62	12	13	0.98	ETF†	2022-01-28	Multi-crypto
34	CMCX/U	CI Galaxy Multi- Crypto ETF (US\$)	17.16	7	1	0.98	ETF†	2022-01-28	Multi-crypto
35	ETC/U	Evolve Cryptocurrencies ETF (US\$)	18.88	2	1	1.70	ETF†	2021-09-29	Multi-crypto

* Please see more details about MER disclosures in Glossary Appendix on page 86.

U.S. Listed ETFs

Equity

U.S. BROAD/MULTI CAP EQUITY										Grouped by strategy and sorted by AUM
182	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	VTI	Vanguard Total Stock Market ETF	259.90	389,631	3,194	0.03	ETF	2001-05-31	1.38	Cap-Weighted
2	ITOT	iShares Core S&P Total U.S. Stock Market ETF	115.30	54,238	1,435	0.03	ETF	2004-01-23	1.32	Cap-Weighted
3	SCHB	Schwab US Broad Market ETF	61.05	27,967	811	0.03	ETF	2009-11-03	1.30	Cap-Weighted
4	IWV	iShares Russell 3000 ETF	300.08	13,655	182	0.20	ETF	2000-05-26	1.17	Cap-Weighted
5	DFUS	Dimensional US Equity ETF	56.98	8,982	253	0.09	ETF	2021-06-14	1.19	Cap-Weighted
6	SPTM	SPDR Portfolio S&P 1500 Composite Stock Market	64.15	8,226	423	0.03	ETF	2000-10-10	1.35	Cap-Weighted
7	ONEQ	Fidelity Nasdaq Composite Index ETF	64.40	6,088	218	0.21	ETF	2003-10-01	0.53	Cap-Weighted
8	PBUS	Invesco MSCI USA ETF	52.42	4,644	45	0.04	ETF	2017-09-22	1.25	Cap-Weighted
9	BBUS	JPMorgan BetaBuilders US Equity ETF	94.43	3,157	145	0.02	ETF	2019-03-13	1.29	Cap-Weighted
10	VTHR	Vanguard Russell 3000	232.96	2,326	14	0.10	ETF	2010-09-22	1.37	Cap-Weighted
11	IYY	iShares Dow Jones U.S. ETF	128.09	1,921	26	0.20	ETF	2000-06-16	1.17	Cap-Weighted
12	GSUS	Goldman Sachs MarketBeta US Equity ETF	71.78	1,865	123	0.07	ETF	2020-05-15	1.24	Cap-Weighted
13	USPX	Franklin U.S. Equity Index ETF	45.88	1,101	73	0.35	ETF	2016-06-01	1.26	Cap-Weighted
14	VIG	Vanguard Dividend Appreciation ETF	182.61	78,960	822	0.06	ETF	2006-04-27	1.79	Dividend/Income
15	SCHD	Schwab US Dividend Equity ETF	80.63	56,455	3,565	0.06	ETF	2011-10-20	3.35	Dividend/Income
16	YYM	Vanguard High Dividend Yield ETF	120.99	54,843	1,157	0.06	ETF	2006-11-16	2.85	Dividend/Income
17	DGRO	iShares Core Dividend Growth ETF	58.06	27,254	1,491	0.08	ETF	2014-06-12	2.32	Dividend/Income
18	SDY	SPDR S&P Dividend ETF	131.24	20,991	364	0.35	ETF	2005-11-15	2.54	Dividend/Income
19	DVY	iShares Select Dividend ETF	123.18	18,981	684	0.39	ETF	2003-11-07	3.68	Dividend/Income
20	HDV	iShares Core High Dividend ETF	110.21	10,490	453	0.08	ETF	2011-03-31	3.35	Dividend/Income
21	FVD	First Trust Value Line Dividend Index Fund	42.23	10,217	1,091	0.70	ETF	2003-08-26	2.23	Dividend/Income
22	CGDV	Capital Group Dividend Value ETF	32.50	7,041	1,493	0.33	ETF	2022-02-24	1.55	Dividend/Income
23	FDL	First Trust -First Trust Mjstar Div Leaders Index	38.48	4,058	641	0.45	ETF	2006-03-15	4.36	Dividend/Income
24	QDF	FlexShares Quality Dividend Index Fund	65.91	1,765	46	0.37	ETF	2012-12-19	1.43	Dividend/Income
25	PEY	Invesco High Yield Equity Dividend Achievers ETF	20.65	1,239	283	0.52	ETF	2004-12-09	4.96	Dividend/Income
26	DTD	WisdomTree US Total Dividend Fund	70.72	1,224	28	0.28	ETF	2006-06-16	2.22	Dividend/Income
27	DHS	WisdomTree US High Dividend Fund	86.66	1,100	37	0.38	ETF	2006-06-16	3.67	Dividend/Income
28	RDIV	Invesco S&P Ultra Dividend Revenue ETF	45.83	772	46	0.39	ETF	2013-09-30	3.95	Dividend/Income
29	OUSA	ALPS O'Shares U.S. Quality Dividend ETF	49.41	755	27	0.48	ETF	2015-07-14	1.71	Dividend/Income
30	PFM	Invesco - Invesco Dividend Achievers ETF	42.57	662	20	0.53	ETF	2005-09-15	1.77	Dividend/Income
31	LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	36.84	658	91	0.27	ETF	2015-12-28	3.02	Dividend/Income
32	DIV	Global X SuperDividend US ETF	17.39	620	137	0.45	ETF	2013-03-12	7.02	Dividend/Income
33	QDEF	FlexShares Quality Dividend Defensive Index Fund	64.21	367	12	0.37	ETF	2012-12-19	1.44	Dividend/Income
34	DIVB	iShares Core Dividend ETF	44.50	347	74	0.05	ETF	2017-11-09	2.83	Dividend/Income
35	MBOX	Freedom Day Dividend ETF	32.12	98	5	0.39	ETF	2021-05-05	1.70	Dividend/Income
36	FDV	Federated Hermes US Strategic Dividend ETF	25.28	93	18	0.50	ETF	2022-11-15	3.38	Dividend/Income
37	FDIV	Marketdesk Focused US Dividend ETF	28.08	93	6	0.35	ETF	2023-09-19	NA	Dividend/Income
38	GQJ	Natixis Gateway Quality Income ETF	53.58	80	16	0.34	ETF	2023-12-13	NA	Dividend/Income
39	RFDA	RiverFront Dynamic US Dividend Advantage ETF	50.76	77	2	0.52	ETF	2016-06-07	2.68	Dividend/Income
40	BAMD	Brookstone Dividend Stock ETF	28.82	72	16	0.95	ETF	2023-09-27	NA	Dividend/Income
41	WBIY	WBI Power Factor High Dividend ETF	30.48	66	6	1.00	ETF	2016-12-22	4.32	Dividend/Income
42	DIVZ	Opal Dividend Income ETF	29.77	65	9	0.65	ETF	2021-01-28	3.11	Dividend/Income
43	UDIV	Franklin U.S. Core Dividend Tilt Index ETF	40.39	63	5	0.45	ETF	2016-06-01	1.98	Dividend/Income
44	QQQI	Neos Nasdaq-100 High Income ETF	51.01	61	87	0.68	ETF	2024-01-30	NA	Dividend/Income
45	PY	Principal Value ETF	46.87	61	5	0.15	ETF	2016-03-21	1.99	Dividend/Income
46	DURA	VanEck Durable High Dividend ETF	32.30	59	15	0.30	ETF	2018-10-31	3.41	Dividend/Income
47	TBG	TBG Dividend Focus ETF	29.52	58	12	0.59	ETF	2023-11-06	NA	Dividend/Income
48	DDIV	First Trust DWA Momentum & Dividend ETF	34.07	44	5	0.60	ETF	2014-03-11	2.57	Dividend/Income
49	MDPL	Monarch Dividend Plus Index ETF	26.40	34	78	1.25	ETF	2024-03-06	NA	Dividend/Income
50	DIVY	Sound Equity Dividend Income ETF	27.07	28	3	0.45	ETF	2020-12-31	0.15	Dividend/Income
51	FTDS	First Trust Dividend Strength	50.32	23	0.3	0.70	ETF	2006-12-06	1.97	Dividend/Income
52	COWS	Amplify Cash Flow Dividend Leaders ETF	29.82	15	13	0.00	ETF	2023-09-13	NA	Dividend/Income
53	HIDV	AB US High Dividend ETF	64.46	13	0.3	0.45	ETF	2023-03-22	2.42	Dividend/Income
54	FDTB	Foundations Dynamic Income ETF	9.73	12	39	0.79	ETF	2023-10-03	NA	Dividend/Income
55	TMDV	ProShares Russell US Dividend Growers ETF	48.21	9	1	0.35	ETF	2019-11-07	2.40	Dividend/Income
56	JHDV	John Hancock US High Dividend ETF	32.92	8	0.1	0.34	ETF	2022-09-28	2.40	Dividend/Income
57	UDI	USCF Dividend Income Fund	27.55	6	0.0	0.65	ETF	2022-06-08	2.53	Dividend/Income
58	SPDG	SPDR Portfolio S&P Sector Neutral Dividend ETF	34.55	6	2	0.05	ETF	2023-09-11	NA	Dividend/Income

U.S. BROAD/MULTI CAP EQUITY										Grouped by strategy and sorted by AUM
182	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
59	KNGS	Roundhill S&P Dividend Monarchs ETF	28.67	3	3	0.35	ETF	2023-11-02	NA	Dividend/Income
60	SCLZ	Swan Enhanced Dividend Income ETF	51.02	3	0	0.85	ETF	2024-02-27	NA	Dividend/Income
61	EUSA	iShares MSCI USA Equal Weighted ETF	90.99	760	33	0.15	ETF	2010-05-07	1.45	Equal-Weight
62	DFVE	Doubleline Fortune 500 Equal Weight ETF	27.64	13	1	0.20	ETF	2024-01-31	NA	Equal-Weight
63	IUSG	iShares Core S&P U.S. Growth ETF	117.21	16,922	509	0.05	ETF	2000-07-28	0.91	Factor: Growth
64	ILCG	iShares Morningstar Growth ETF	75.48	2,100	56	0.25	ETF	2004-07-02	0.60	Factor: Growth
65	WINN	Harbor Long-Term Growers ETF	23.47	375	84	0.57	ETF	2022-02-02	0.06	Factor: Growth
66	FDG	American Century Focused Dynamic Growth ETF	82.62	212	13	0.45	ETF	2020-04-02	-	Factor: Growth
67	FAD	First Trust MultiCap Growth AlphaDEX Fund	124.59	193	5	0.64	ETF	2007-05-10	0.31	Factor: Growth
68	RUNN	Running Oak Efficient Growth ETF	31.17	139	41	0.58	ETF	2023-06-07	NA	Factor: Growth
69	BAMG	Brookstone Growth Stock ETF	30.10	76	16	0.65	ETF	2023-09-26	NA	Factor: Growth
70	AOTG	AOT Growth And Innovation ETF	38.49	37	1	0.75	ETF	2022-06-29	-	Factor: Growth
71	FDGR	Foundations Dynamic Growth ETF	11.99	17	143	0.79	ETF	2023-10-03	NA	Factor: Growth
72	RJMG	FT Raymond James Multicap Growth Equity ETF	21.91	7	9	0.85	ETF	2024-01-18	NA	Factor: Growth
73	QOWZ	Invesco Nasdaq Free Cash Flow Achievers ETF	29.03	3	2	0.39	ETF	2023-12-06	NA	Factor: Growth
74	MTUM	iShares MSCI USA Momentum Factor ETF	187.35	10,284	1,088	0.15	ETF	2013-04-18	0.79	Factor: Momentum
75	FV	First Trust Dorsey Wright Focus 5 ETF	57.23	3,802	138	0.90	ETF	2014-03-06	0.19	Factor: Momentum
76	PDP	Invesco Dorsey Wright Momentum ETF	98.78	1,275	17	0.62	ETF	2007-03-01	0.27	Factor: Momentum
77	VFMO	Vanguard US Momentum Factor ETF	151.28	513	33	0.13	ETF	2018-02-15	0.65	Factor: Momentum
78	QMOM	Alpha Architect US Quantitative Momentum ETF	59.11	211	18	0.42	ETF	2015-12-02	0.75	Factor: Momentum
79	FVC	First Trust Dorsey Wright Dynamic Focus 5 ETF	34.51	166	7	0.84	ETF	2016-03-18	1.77	Factor: Momentum
80	MMTM	SPDR S&P 1500 Momentum Tilt ETF	229.95	99	1	0.12	ETF	2012-10-25	0.93	Factor: Momentum
81	DRGW	WisdomTree U.S. Quality Dividend Growth Fund	76.19	12,702	458	0.28	ETF	2013-05-22	1.41	Factor: Multi-Factor
82	DYNF	BlackRock U.S. Equity Factor Rotation ETF	44.40	7,175	4,577	0.30	ETF	2019-03-19	0.72	Factor: Multi-Factor
83	DFAU	Dimensional US Core Equity Market ETF	36.54	5,403	476	0.12	ETF	2020-11-18	1.16	Factor: Multi-Factor
84	LRGF	iShares U.S. Equity Factor ETF	53.81	1,780	212	0.20	ETF	2015-04-30	1.34	Factor: Multi-Factor
85	TILT	FlexShares Mgtstar US Market Factor Tilt Index Fund	198.39	1,616	18	0.25	ETF	2011-09-22	1.36	Factor: Multi-Factor
86	QUS	SPDR MSCI USA StrategicFactors ETF	145.63	1,296	20	0.15	ETF	2015-04-16	1.44	Factor: Multi-Factor
87	QGRO	American Century US Quality Growth ETF	84.94	913	60	0.29	ETF	2018-09-12	0.33	Factor: Multi-Factor
88	ILCB	iShares Morningstar U.S. Equity ETF	72.47	895	20	0.20	ETF	2004-07-02	1.31	Factor: Multi-Factor
89	FNDP	Schwab Fundamental U.S. Broad Market Index ETF	66.26	745	37	0.25	ETF	2013-08-15	1.72	Factor: Multi-Factor
90	VUSE	Vident US Equity Strategy ETF	54.41	579	11	0.50	ETF	2014-01-22	1.05	Factor: Multi-Factor
91	JPEF	JPMorgan Equity Focus ETF	59.77	556	62	0.50	ETF	2023-07-31	NA	Factor: Multi-Factor
92	TTAC	FCF US Quality ETF	60.74	403	19	0.59	ETF	2016-09-28	0.33	Factor: Multi-Factor
93	USMF	Wisdomtree Trust-Wisdomtree US Multifactor Fund	46.55	292	18	0.28	ETF	2017-06-29	1.29	Factor: Multi-Factor
94	VFVF	Vanguard US Multifactor ETF	126.89	266	10	0.18	ETF	2018-02-15	1.57	Factor: Multi-Factor
95	AUSF	Global X Adaptive US Factor ETF	40.87	246	26	0.27	ETF	2018-08-24	1.34	Factor: Multi-Factor
96	BRNY	Burney US Factor Rotation ETF	36.40	229	4	0.79	ETF	2022-10-14	0.42	Factor: Multi-Factor
97	QLV	FlexShares US Quality Low Volatility Index Fund	60.96	161	40	0.17	ETF	2019-07-16	1.14	Factor: Multi-Factor
98	ULVM	VictoryShares US Value Momentum ETF	76.07	156	9	0.20	ETF	2017-10-26	1.72	Factor: Multi-Factor
99	SIXL	ETC 6 Meridian Low Beta Equity ETF	34.85	155	4	0.79	ETF	2020-05-11	1.31	Factor: Multi-Factor
100	FCPI	Fidelity Stocks for Inflation ETF	39.42	150	17	0.15	ETF	2019-11-07	1.12	Factor: Multi-Factor
101	MFUS	PIMCO RAFI Dynamic Multi-Factor U.S. Equity ETF	47.18	147	5	0.29	ETF	2017-09-06	1.66	Factor: Multi-Factor
102	VSMV	VictoryShares US Multi-Factor Min Vol ETF	45.24	136	6	0.35	ETF	2017-06-22	1.41	Factor: Multi-Factor
103	BMVP	Invesco Bloomberg MVP Multi-factor ETF	45.46	102	2	0.29	ETF	2003-05-01	1.67	Factor: Multi-Factor
104	VAMO	Cambria Value and Momentum ETF	29.87	84	3	0.59	ETF	2015-09-09	0.89	Factor: Multi-Factor
105	DVOL	First Trust DWA Momentum & Low Vol ETF	30.56	49	5	0.60	ETF	2018-09-05	1.01	Factor: Multi-Factor
106	DFNV	Donoghue Forlines Innovation ETF	30.48	45	4	0.69	ETF	2020-12-08	0.71	Factor: Multi-Factor
107	TMFE	Motley Fool Capital Efficiency Index ETF	23.33	42	49	0.50	ETF	2021-12-31	0.41	Factor: Multi-Factor
108	SXQG	ETC 6 Meridian Quality Growth ETF	28.58	37	4	1.00	ETF	2021-05-11	0.02	Factor: Multi-Factor
109	DVLU	First Trust Dorsey Wright Momentum & Value ETF	30.12	26	3	0.60	ETF	2018-09-05	0.98	Factor: Multi-Factor
110	QUAL	iShares MSCI USA Quality Factor ETF	164.35	42,791	2,185	0.15	ETF	2013-07-18	0.88	Factor: Quality
111	QLTY	GMO US Quality ETF	29.70	440	122	0.50	ETF	2023-11-15	NA	Factor: Quality
112	VFQY	Vanguard US Quality Factor ETF	136.93	334	14	0.13	ETF	2018-02-15	1.30	Factor: Quality
113	ROE	Astoria US Quality Kings ETF	29.19	83	9	0.49	ETF	2023-07-31	NA	Factor: Quality
114	IUSV	iShares Core S&P U.S. Value ETF	90.44	17,002	569	0.05	ETF	2000-08-04	1.76	Factor: Value
115	DFUV	Dimensional US Marketwide Value ETF	40.90	10,673	446	0.21	ETF	2022-05-09	1.57	Factor: Value
116	VLUU	iShares MSCI USA Value Factor ETF	108.31	7,380	337	0.15	ETF	2013-04-18	2.43	Factor: Value
117	ILCV	iShares Morningstar Value ETF	76.86	934	36	0.25	ETF	2004-07-02	2.09	Factor: Value
118	VFVA	Vanguard U.S. Value Factor	119.34	718	14	0.13	ETF	2018-02-15	2.33	Factor: Value
119	AIVL	WisdomTree US AI Enhanced Valu	101.78	379	8	0.38	ETF	2006-06-16	2.38	Factor: Value
120	VLU	SPDR S&P 1500 Value Tilt ETF	175.32	347	10	0.12	ETF	2012-10-25	1.88	Factor: Value
121	QVAL	Alpha Architect US Quantitative Value ETF	44.94	343	25	0.42	ETF	2014-10-22	1.50	Factor: Value
122	SMRI	Bushido Capital US Equity ETF	29.71	342	12	0.71	ETF	2023-09-14	NA	Factor: Value

U.S. BROAD/MULTI CAP EQUITY										Grouped by strategy and sorted by AUM
182	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
123	ECML	Euclidean Fundamental Value ETF	34.42	187	0.5	0.95	ETF	2023-05-17	NA	Factor: Value
124	GVLU	Gotham 1000 Value ETF	23.85	164	19	0.51	ETF	2022-06-08	1.50	Factor: Value
125	FAB	First Trust Multi Cap Value AlphaDEX Fund	82.62	161	4	0.64	ETF	2007-05-11	1.84	Factor: Value
126	BAMV	Brookstone Value Stock ETF	30.28	75	18	0.65	ETF	2023-09-26	NA	Factor: Value
127	BUL	Pacer US Cash Cows Growth ETF	42.48	49	9	0.60	ETF	2019-05-02	1.50	Factor: Value
128	VNSE	Natixis Vaughan Nelson Select ETF	33.89	35	2	0.80	ETF	2020-09-17	0.19	Factor: Value
129	FOVL	iShares Focused Value Factor ETF	63.10	19	2	0.25	ETF	2019-03-19	2.32	Factor: Value
130	USVT	US Value ETF	31.78	6	0.5	0.49	ETF	2021-09-14	2.60	Factor: Value
131	FLOW	Global X US Cash Flow Kings 100 ETF	31.63	4	1	0.25	ETF	2023-07-12	NA	Factor: Value
132	FDVL	Foundations Dynamic Value ETF	11.77	1	212	0.79	ETF	2023-10-03	NA	Factor: Value
133	USCF	Themes US Cash Flow Champions ETF	28.86	1	0	0.29	ETF	2023-12-12	NA	Factor: Value
134	MOAT	VanEck Morningstar Wide Moat ETF	89.90	15,141	816	0.47	ETF	2012-04-25	0.83	Other
135	PKW	Invesco BuyBack Achievers ETF	108.23	1,145	20	0.61	ETF	2006-12-20	1.10	Other
136	FPX	First Trust US Equity Opportunities ETF	105.80	783	19	0.57	ETF	2006-04-13	0.13	Other
137	TMFC	Motley Fool 100 Index ETF	49.61	759	50	0.50	ETF	2018-01-30	0.23	Other
138	SIZE	iShares MSCI USA Size Factor ETF	142.29	355	17	0.15	ETF	2013-04-18	1.40	Other
139	POWA	Invesco Bloomberg Pricing Power ETF	78.51	205	8	0.40	ETF	2006-12-15	1.49	Other
140	GVIP	Goldman Sachs Hedge Industry VIP ETF	109.27	180	6	0.45	ETF	2016-11-03	0.68	Other
141	BFOR	Barron's 400 ETF	67.91	144	3	0.65	ETF	2013-06-04	1.17	Other
142	UPGD	Invesco Bloomberg Analyst Rating Improvers ETF	66.17	117	3	0.81	ETF	2006-05-19	1.31	Other
143	PEXL	Pacer US Export Leaders ETF	49.51	64	4	0.60	ETF	2018-07-24	0.44	Other
144	MSSS	Monarch Select Subsector Index ETF	25.61	58	128	1.25	ETF	2024-03-06	NA	Other
145	TXS	Texas Capital Texas Equity Index ETF	28.35	22	2	0.49	ETF	2023-07-13	NA	Other
146	BOUT	Innovator IBD Breakout Opportunities ETF	36.33	15	2	0.85	ETF	2018-09-12	1.24	Other
147	FTIF	First Trust Bloomberg Inflation Sensitive Equity ETF	24.47	1	0.4	0.60	ETF	2023-03-14	1.68	Other
148	USRD	Themes US R&D Champions ETF	29.62	1	1	0.29	ETF	2023-12-12	NA	Other
149	DFAC	Dimensional US Core Equity 2 ETF	31.95	27,368	1,540	0.23	ETF	2021-06-14	1.13	Other: Actively Managed
150	AVUS	Avantis US Equity ETF	89.50	6,559	218	0.15	ETF	2019-09-25	1.30	Other: Actively Managed
151	CGUS	Capital Group Core Equity ETF	31.16	2,438	504	0.33	ETF	2022-02-24	1.11	Other: Actively Managed
152	APUE	Activepassive US Equity ETF	32.27	612	92	0.33	ETF	2023-05-03	NA	Other: Actively Managed
153	XLSR	SPDR SSGA US Sector Rotation ETF	49.86	492	47	0.70	ETF	2019-04-03	0.91	Other: Actively Managed
154	DCOR	Dimensional US Core Equity 1 ETF	58.65	424	50	0.14	ETF	2023-09-13	NA	Other: Actively Managed
155	TSPA	T Rowe Price US Equity Research ETF	32.81	172	25	0.34	ETF	2021-06-09	0.37	Other: Actively Managed
156	CWS	AdvisorShares Focused Equity ETF	63.69	147	15	0.84	ETF	2016-09-21	0.23	Other: Actively Managed
157	USSE	Segall Bryant & Hamill Select Equity ETF	28.55	123	48	0.65	ETF	2022-08-30	0.12	Other: Actively Managed
158	AIEQ	Amplify AI Powered Equity ETF	36.48	110	9	0.75	ETF	2017-10-18	1.15	Other: Actively Managed
159	ZCEP	Zacks Earnings Consistent Portfolio ETF	28.10	106	33	0.55	ETF	2021-08-24	0.69	Other: Actively Managed
160	FMCX	FMC Excelsior Focus Equity ETF	28.94	93	1	0.70	ETF	2022-04-25	1.24	Other: Actively Managed
161	ENTR	ERShares Entrepreneurs ETF	15.49	85	11	0.49	ETF	2017-11-08	-	Other: Actively Managed
162	ABEQ	Absolute Select Value ETF	30.41	85	4	0.85	ETF	2020-01-22	2.44	Other: Actively Managed
163	SAMT	Strategas Macro Thematic Opportunities ETF	25.38	67	7	0.65	ETF	2022-01-24	1.36	Other: Actively Managed
164	RUFF	Alpha Dog ETF	24.76	61	6	0.90	ETF	2021-10-15	0.30	Other: Actively Managed
165	SURE	AdvisorShares Insider Advantage ETF	116.92	50	0.5	0.90	ETF	2011-10-05	1.01	Other: Actively Managed
166	SHUS	Syntax Stratified US Total Market Hedged ETF	42.02	36	1	0.65	ETF	2021-06-16	1.15	Other: Actively Managed
167	GFGF	Guru Favorite Stocks ETF	27.45	34	13	0.65	ETF	2021-12-16	0.07	Other: Actively Managed
168	CVAR	Cultivar ETF	25.71	31	0.2	0.87	ETF	2021-12-23	1.39	Other: Actively Managed
169	RFFC	ALPS Active Equity Opportunity ETF	52.88	24	1	0.50	ETF	2016-06-07	1.37	Other: Actively Managed
170	CPAI	Counterpoint Quantitative Equity ETF	29.86	20	8	0.75	ETF	2023-11-28	NA	Other: Actively Managed
171	SYUS	Syntax Stratified US Total Market ETF	48.50	19	1	0.35	ETF	2021-03-19	1.51	Other: Actively Managed
172	FDCE	Foundations Dynamic Core ETF	11.81	9	74	0.79	ETF	2023-10-03	NA	Other: Actively Managed
173	SYII	Syntax Stratified Total Market II ETF	47.51	8	0.0	1.06	ETF	2022-06-16	1.53	Other: Actively Managed
174	AVIE	Avantis Inflation Focused Equity ETF	63.24	5	0.4	0.25	ETF	2022-09-29	3.27	Other: Actively Managed
175	BWTG	Brendan Wood TopGun ETF	31.60	5	1	0.98	ETF	2023-11-09	NA	Other: Actively Managed
176	FLDZ	RiverNorth Patriot ETF	26.27	4	0.0	0.70	ETF	2021-01-03	1.28	Other: Actively Managed
177	JHAC	John Hancock Fundamental All Cap Core ETF	13.00	3	1	0.72	ETF	2023-11-01	NA	Other: Actively Managed
178	DIP	BTD Capital Fund	28.76	1	0.3	1.25	ETF	2022-12-13	2.54	Other: Actively Managed
179	USMV	iShares MSCI USA Min Vol Factor ETF	83.58	24,607	2,530	0.15	ETF	2011-10-20	1.76	Risk
180	FLLV	Franklin U.S. Low Volatility ETF	54.66	120	10	0.29	ETF	2016-09-20	1.75	Risk
181	VMV	Vanguard U.S. Minimum Volatility ETF	111.89	108	3	0.13	ETF	2018-02-15	1.77	Risk
182	LOWV	AB US Low Volatility Equity ETF	64.19	33	3	0.48	ETF	2023-03-22	0.85	Risk

U.S. LARGE CAP EQUITY										Grouped by strategy and sorted by AUM
238	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	SPY	SPDR S&P 500 ETF Trust	523.07	532,011	74,648	0.09	UIT	1993-01-22	1.30	Cap-Weighted
2	IVV	iShares Core S&P 500 ETF	525.73	458,006	6,569	0.04	ETF	2000-05-19	1.33	Cap-Weighted
3	VOO	Vanguard S&P 500 ETF	480.70	435,712	5,291	0.03	ETF	2010-09-09	1.35	Cap-Weighted
4	QQQ	Invesco QQQ Trust Series 1	444.01	259,869	44,900	0.20	UIT	1999-03-10	0.60	Cap-Weighted
5	SCHX	Schwab US Large-Cap ETF	62.06	40,212	1,621	0.03	ETF	2009-11-03	1.30	Cap-Weighted
6	IWB	iShares Russell 1000 ETF	288.03	35,445	839	0.15	ETF	2000-05-19	1.22	Cap-Weighted
7	VV	Vanguard Large-Cap ETF	239.76	34,529	302	0.04	ETF	2004-01-30	1.34	Cap-Weighted
8	SPLG	SPDR Portfolio S&P 500 ETF	61.53	33,535	7,747	0.02	ETF	2005-11-15	1.35	Cap-Weighted
9	QQQM	Invesco Nasdaq 100 ETF	182.69	23,050	1,949	0.15	ETF	2020-10-13	0.66	Cap-Weighted
10	OEF	iShares S&P 100 ETF	247.41	11,692	187	0.20	ETF	2000-10-27	1.12	Cap-Weighted
11	MGC	Vanguard Mega Cap ETF	186.87	5,393	77	0.07	ETF	2007-12-24	1.28	Cap-Weighted
12	VONE	Vanguard Russell 1000	238.32	4,733	66	0.08	ETF	2010-09-22	1.30	Cap-Weighted
13	XLG	Invesco -Invesco S&P 500r Top 50 ETF	42.13	4,132	1,148	0.20	ETF	2005-05-10	0.86	Cap-Weighted
14	SCHK	Schwab 1000 Index ETF	50.67	3,443	248	0.05	ETF	2017-10-06	0.98	Cap-Weighted
15	BKLC	BNY Mellon US Large Cap Core Equity ETF	99.80	2,344	59	0.00	ETF	2020-04-09	1.31	Cap-Weighted
16	GUSA	Goldman Sachs Marketbeta US 1000 Equity ETF	45.52	1,629	2	0.11	ETF	2022-04-12	1.27	Cap-Weighted
17	IWL	iShares Russell Top 200 ETF	127.12	1,309	75	0.15	ETF	2009-09-28	1.17	Cap-Weighted
18	QQQJ	Invesco Nasdaq Next Gen 100 ETF	28.91	713	117	0.15	ETF	2020-10-13	0.70	Cap-Weighted
19	STRV	Strive 500 ETF	33.66	488	84	0.05	ETF	2022-09-14	1.15	Cap-Weighted
20	SPXN	Proshares S&P 500 EX-Financials ETF	112.97	58	1	0.09	ETF	2015-09-24	1.09	Cap-Weighted
21	SPXT	Proshares S&P 500 EX-Technology ETF	84.61	53	2	0.09	ETF	2015-09-24	1.41	Cap-Weighted
22	SPXE	Proshares Trust S&P 500 EX-Energy ETF	112.29	50	1	0.09	ETF	2015-09-24	1.20	Cap-Weighted
23	QQQN	VictoryShares Nasdaq Next 50 ETF	29.69	21	6	0.18	ETF	2020-09-10	0.69	Cap-Weighted
24	SPXV	Proshares Trust-S&P 500 EX-Health Care ETF	111.31	21	0.3	0.09	ETF	2015-09-24	1.15	Cap-Weighted
25	NOBL	ProShares S&P 500 Dividend Aristocrats ETF	101.41	12,373	447	0.35	ETF	2013-10-10	2.03	Dividend/Income
26	RDVY	First Trust Rising Dividend Achievers ETF	56.17	10,469	684	0.49	ETF	2014-01-07	1.98	Dividend/Income
27	SPYD	SPDR Portfolio S&P 500 High Dividend ETF	40.71	6,984	1,057	0.07	ETF	2015-10-22	4.53	Dividend/Income
28	DLN	WisdomTree US LargeCap Dividend Fund	72.19	4,014	110	0.28	ETF	2006-06-16	2.19	Dividend/Income
29	SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	44.40	2,944	594	0.30	ETF	2012-10-18	4.30	Dividend/Income
30	SDOG	ALPS Sector Dividend Dogs ETF	53.95	1,174	68	0.37	ETF	2012-06-29	4.16	Dividend/Income
31	CDC	VictoryShares US EQ Income Enh Vol	59.53	912	60	0.38	ETF	2014-07-01	3.96	Dividend/Income
32	ACIO	Aptus Collared Investment Opportunity ETF	36.03	734	110	0.79	ETF	2019-07-10	0.67	Dividend/Income
33	CDL	VictoryShares US Large Cap High Div Volatility Wtd	62.16	358	12	0.35	ETF	2015-07-08	3.55	Dividend/Income
34	DJD	Invesco Dow Jones Industrial Average Dividend ETF	48.05	301	19	0.07	ETF	2015-12-16	3.46	Dividend/Income
35	GDIV	Harbor Dividend Growth Leaders ETF	14.55	276	64	0.50	ETF	2022-05-23	1.43	Dividend/Income
36	VSDA	VictoryShares Dividend Accelerator ETF	50.33	256	25	0.35	ETF	2017-04-18	1.98	Dividend/Income
37	BGIG	Bahl & Gaynor Income Growth ETF	27.76	132	14	0.45	ETF	2023-09-14	NA	Dividend/Income
38	DIVL	Madison Dividend Value ETF	21.08	67	6	0.65	ETF	2023-08-15	NA	Dividend/Income
39	SPDV	AAM S&P 500 High Dividend Value ETF	31.41	64	6	0.29	ETF	2017-11-29	3.77	Dividend/Income
40	LEAD	Siren DIVCON Leaders Dividend	66.08	58	2	0.43	ETF	2016-01-06	1.06	Dividend/Income
41	STXD	Strive 1000 Dividend Growth ETF	30.99	38	4	0.35	ETF	2022-11-09	1.32	Dividend/Income
42	DVND	Touchstone Dividend Select ETF	29.92	33	0.0	0.67	ETF	2022-08-04	1.54	Dividend/Income
43	KVLE	KraneShares Value Line Dynamic Dividend Equity	24.13	31	4	0.55	ETF	2020-11-23	3.56	Dividend/Income
44	KNGZ	First Trust S&P 500 Diversified Dividend Ari	31.65	30	13	0.50	ETF	2017-06-21	2.81	Dividend/Income
45	QDIV	Global X S&P 500 Quality Dividend ETF	34.69	25	7	0.20	ETF	2018-07-13	3.07	Dividend/Income
46	IPDP	Dividend Performers ETF	18.54	22	1	1.52	ETF	2022-03-07	2.76	Dividend/Income
47	SHRY	FT Bloomberg Shareholder Yield ET	38.21	21	1	0.60	ETF	2017-06-21	1.33	Dividend/Income
48	TGLR	LAFFER I Tengler Equity Income ETF	27.34	11	10	0.95	ETF	2023-08-08	NA	Dividend/Income
49	DFND	Siren DIVCON Dividend Defender	41.43	11	1	1.74	ETF	2016-01-14	1.91	Dividend/Income
50	BDVG	IMGP Berkshire Dividend Growth ETF	11.32	4	6	0.55	ETF	2023-06-30	NA	Dividend/Income
51	DIVG	Invesco S&P High Dividend Growers ETF	28.72	3	1	0.39	ETF	2023-12-06	NA	Dividend/Income
52	RSP	Invesco S&P 500 Equal Weight ETF	169.37	54,661	5,494	0.20	ETF	2003-04-30	1.54	Equal-Weight
53	QQEW	FT Nasdaq-100 Equal Weighted Index SM	123.90	2,194	105	0.60	ETF	2006-04-25	0.70	Equal-Weight
54	QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	89.20	1,267	165	0.35	ETF	2012-03-21	0.69	Equal-Weight
55	GSEW	Goldman Sachs Equal Weight US Large Cap Equity	72.81	655	40	0.09	ETF	2017-09-14	1.58	Equal-Weight
56	EQWL	Invesco S&P 100 Equal Weight ETF	94.89	628	41	0.35	ETF	2006-12-01	1.88	Equal-Weight
57	EQAL	Invesco Russell 1000 Equal Weight ETF	46.19	610	26	0.20	ETF	2014-12-23	1.80	Equal-Weight
58	EDOW	First Trust Dow 30 Equal Weight ETF	34.44	253	63	0.50	ETF	2017-08-09	1.85	Equal-Weight
59	ADME	Aptus Drawdown Managed Equity ETF	41.99	164	9	0.79	ETF	2016-06-09	0.73	Equal-Weight
60	QQXT	First Trust NASDAQ-100 Ex-Tech Sector IndexSM	91.05	150	13	0.60	ETF	2007-02-15	1.17	Equal-Weight
61	MBCC	Monarch Blue Chips Core ETF	32.69	84	16	1.25	ETF	2021-03-24	0.10	Equal-Weight
62	VUG	Vanguard Growth ETF	344.20	118,563	856	0.04	ETF	2004-01-30	0.54	Factor: Growth
63	IWF	iShares Russell 1000 Growth ETF	337.05	89,174	1,245	0.20	ETF	2000-05-26	0.59	Factor: Growth
64	IVW	iShares S&P 500 Growth ETF	84.44	44,199	5,803	0.18	ETF	2000-05-26	0.80	Factor: Growth

U.S. LARGE CAP EQUITY										Grouped by strategy and sorted by AUM
238	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
65	SCHG	Schwab U.S. Large-Cap Growth ETF	92.72	26,859	1,326	0.04	ETF	2009-12-11	0.34	Factor: Growth
66	SPYG	SPDR Portfolio S&P 500 Growth ETF	73.15	24,935	2,020	0.04	ETF	2000-09-29	0.93	Factor: Growth
67	VONG	Vanguard Russell 1000 Growth ETF	86.67	19,255	815	0.08	ETF	2010-09-22	0.67	Factor: Growth
68	MGK	Vanguard Mega Cap Growth ETF	286.61	19,056	299	0.07	ETF	2007-12-21	0.46	Factor: Growth
69	VOOG	Vanguard S&P 500 Growth ETF	304.71	10,312	143	0.10	ETF	2010-09-09	0.88	Factor: Growth
70	IWY	iShares Russell Top 200 Growth ETF	195.10	10,222	503	0.20	ETF	2009-09-28	0.60	Factor: Growth
71	SPGU	Invesco S&P 500 GARP ETF	106.49	4,950	273	0.33	ETF	2011-06-16	1.27	Factor: Growth
72	NUGO	Nuveen Growth Opportunities ETF	29.32	2,994	136	0.56	ETF	2021-09-28	0.04	Factor: Growth
73	FELG	Fidelity Enhanced Large Cap Growth ETF	29.55	2,381	195	0.18	ETF	2007-04-19	0.39	Factor: Growth
74	RPG	Invesco S&P 500 Pure Growth ETF	36.72	1,684	702	0.35	ETF	2006-03-07	0.91	Factor: Growth
75	JGRO	JPMorgan Active Growth ETF	70.21	1,344	140	0.44	ETF	2022-08-08	0.01	Factor: Growth
76	FTC	First Trust Large Cap Growth AlphaDEX Fund	123.28	1,137	21	0.60	ETF	2007-05-11	0.39	Factor: Growth
77	PWB	Invesco Large Cap Growth ETF	89.29	850	28	0.55	ETF	2005-03-03	0.24	Factor: Growth
78	GGUS	GS MarketBeta Russell 1000 Growth Equity	46.36	510	78	0.12	ETF	2023-11-30	NA	Factor: Growth
79	FFLG	Fidelity Fundamental Large Cap Growth ETF	21.86	288	60	0.59	ETF	2021-02-04	-	Factor: Growth
80	FTGS	First Trust Growth Strength ETF	30.71	193	106	0.60	ETF	2022-10-26	0.42	Factor: Growth
81	LSGR	Natixis Loomis Sayles Focused Growth ETF	32.06	145	2	0.59	ETF	2023-06-29	NA	Factor: Growth
82	CAML	Congress Large Cap Growth ETF	30.86	135	42	0.65	ETF	2023-08-22	NA	Factor: Growth
83	HFGO	Hartford Large Cap Growth ETF	19.38	118	0.4	0.59	ETF	2021-11-10	-	Factor: Growth
84	TGRT	T. Rowe Price Growth ETF	32.33	76	5	0.38	ETF	2023-06-15	NA	Factor: Growth
85	LCC	Sterling Capital Focus Equity ETF	30.59	72	8	0.59	ETF	2020-08-27	-	Factor: Growth
86	LCLG	Logan Capital Broad Innovative Growth ETF	46.09	66	0.1	0.65	ETF	2022-08-08	0.86	Factor: Growth
87	STXG	Strive 1000 Growth ETF	37.49	61	10	0.18	ETF	2022-11-09	0.55	Factor: Growth
88	PGRO	Putnam Focused Large Cap Growth ETF	32.70	60	8	0.56	ETF	2021-05-25	0.17	Factor: Growth
89	STLG	iShares Factors US Growth Style ETF	47.60	48	32	0.25	ETF	2020-01-16	0.61	Factor: Growth
90	IWLG	IQ Winslow Large Cap Growth ETF	41.37	29	1	0.60	ETF	2022-06-23	0.01	Factor: Growth
91	IWFG	IQ Winslow Focused Large Cap Growth ETF	41.89	9	0.2	0.65	ETF	2022-06-23	0.87	Factor: Growth
92	HQGO	Hartford US Quality Growth ETF	47.05	6	0	0.34	ETF	2023-12-05	NA	Factor: Growth
93	PTLC	Pacer Trendpilot US Large Cap ETF	47.72	2,706	127	0.60	ETF	2015-06-12	1.08	Factor: Momentum
94	SPMO	Invesco S&P 500 Momentum ETF	80.22	1,214	438	0.13	ETF	2015-10-09	1.07	Factor: Momentum
95	PTNQ	Pacer Funds Trust - Pacer Trendpilot 100 ETF	68.68	1,195	53	0.65	ETF	2015-06-12	1.41	Factor: Momentum
96	JMOM	JPMorgan US Momentum Factor ETF	52.68	879	118	0.12	ETF	2017-11-09	0.94	Factor: Momentum
97	SEIM	SEI Enhanced US Large Cap Momentum Factor ETF	32.14	462	23	0.15	ETF	2022-05-18	0.78	Factor: Momentum
98	FDMO	Fidelity Momentum Factor ETF	60.36	190	14	0.15	ETF	2016-09-15	0.48	Factor: Momentum
99	ONEO	SPDR Russell 1000 Momentum Focus ETF	115.43	155	1	0.20	ETF	2015-12-03	1.33	Factor: Momentum
100	JOET	Virtus Terranova U.S. Quality Momentum ETF	34.42	105	43	0.29	ETF	2020-11-18	1.20	Factor: Momentum
101	AMOM	Qraft AI-Enhanced US Large Cap Momentum ETF	38.64	17	9	0.75	ETF	2019-05-21	0.30	Factor: Momentum
102	QQQA	ProShares Nasdaq-100 DWA Momentum ETF	43.34	12	3	0.58	ETF	2021-05-20	0.05	Factor: Momentum
103	FNDX	Schwab Fundamental U.S. Large Company Index ETF	67.39	15,238	468	0.25	ETF	2013-08-15	1.73	Factor: Multi-Factor
104	GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Equity	103.79	12,594	232	0.09	ETF	2015-09-21	1.29	Factor: Multi-Factor
105	OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	55.23	6,462	496	0.29	ETF	2017-11-08	1.36	Factor: Multi-Factor
106	USMC	Principal US Mega-Cap ETF	51.36	2,275	166	0.12	ETF	2017-10-11	0.95	Factor: Multi-Factor
107	DSTL	Distillate US Fundamental Stability & Value ETF	53.91	1,828	177	0.39	ETF	2018-10-24	1.25	Factor: Multi-Factor
108	FLQL	Franklin U.S. Large Cap Multifactor Index ETF	53.25	1,284	56	0.15	ETF	2017-04-26	1.29	Factor: Multi-Factor
109	FEX	First Trust Large Cap Core AlphaDEX Fund	99.24	1,227	26	0.60	ETF	2007-05-10	1.18	Factor: Multi-Factor
110	QVML	Invesco S&P 500 QVM Multi-factor ETF	31.11	951	5	0.11	ETF	2021-06-30	1.27	Factor: Multi-Factor
111	JHML	John Hancock Multi-Factor Large Cap ETF	64.76	879	23	0.29	ETF	2015-09-29	1.28	Factor: Multi-Factor
112	ONEY	SPDR Russell 1000 Yield Focus ETF	108.66	822	20	0.20	ETF	2015-12-03	2.99	Factor: Multi-Factor
113	SFY	Sofi Select 500 ETF	18.63	708	178	0.00	ETF	2019-04-11	1.29	Factor: Multi-Factor
114	JPUS	JPMorgan Diversified Return US Equity ETF	112.00	448	6	0.18	ETF	2015-09-29	2.12	Factor: Multi-Factor
115	CSM	ProShares Large Cap Core Plus	60.74	431	9	0.45	ETF	2009-07-13	1.08	Factor: Multi-Factor
116	ROUS	Hartford Multifactor US Equity ETF	48.18	424	23	0.19	ETF	2015-02-26	1.70	Factor: Multi-Factor
117	GSPY	Gotham Enhanced 500 ETF	28.77	403	3	0.50	ETF	2020-12-29	0.97	Factor: Multi-Factor
118	CAPE	Doubleline Shiller Cape US Equities ETF	28.00	393	74	0.65	ETF	2022-03-31	1.03	Factor: Multi-Factor
119	QGRW	Wisdomtree US Quality Growth Fund	41.10	349	265	0.28	ETF	2022-12-15	0.10	Factor: Multi-Factor
120	PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	46.63	305	24	0.60	ETF	2020-06-25	0.67	Factor: Multi-Factor
121	ALTL	Pacer Lunt Large Cap Alternator ETF	35.04	281	65	0.60	ETF	2020-06-25	1.20	Factor: Multi-Factor
122	WTV	WisdomTree U.S. Value Fund	75.60	277	14	0.38	ETF	2007-02-23	1.21	Factor: Multi-Factor
123	VALQ	American Century US Quality Value ETF	58.30	220	11	0.29	ETF	2018-01-16	1.55	Factor: Multi-Factor
124	AVLC	Avantis US Large Cap Equity ETF	61.81	219	10	0.15	ETF	2023-09-26	NA	Factor: Multi-Factor
125	FUNL	CornerCap Fundametrics Large-Cap ETF	39.70	201	4	0.50	ETF	2020-08-20	1.58	Factor: Multi-Factor
126	QLC	FlexShares US Quality Large Cap Index Fund	58.88	196	16	0.25	ETF	2015-09-24	1.12	Factor: Multi-Factor
127	QUVU	Hartford Quality Value ETF	24.55	176	11	0.45	ETF	2017-03-01	2.73	Factor: Multi-Factor
128	DEUS	Xtrackers Russell US Multifactor ETF	52.17	159	8	0.17	ETF	2015-11-24	0.90	Factor: Multi-Factor

U.S. LARGE CAP EQUITY										Grouped by strategy and sorted by AUM
238	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
129	LSAF	LeaderShares AlphaFactor US Core Equity ETF	39.17	153	9	0.75	ETF	2018-10-02	0.75	Factor: Multi-Factor
130	COWG	Pacer US Large Cap Cash Cows Growth Leaders ETF	26.00	118	90	0.49	ETF	2022-12-22	0.44	Factor: Multi-Factor
131	HDUS	Hartford Disciplined US Equity ETF	50.88	114	4	0.19	ETF	2022-11-17	1.29	Factor: Multi-Factor
132	FLRG	Fidelity U.S. Multifactor ETF	30.53	105	34	0.15	ETF	2020-09-17	1.27	Factor: Multi-Factor
133	LGRO	Level Four Large Cap Growth Active ETF	30.50	80	11	0.50	ETF	2023-08-23	NA	Factor: Multi-Factor
134	FCTR	First Trust Lunt US Factor Rotation ETF	31.07	76	11	0.65	ETF	2018-07-26	0.83	Factor: Multi-Factor
135	MMLG	First Trust Multi-Manager Large Growth ETF	27.50	69	9	0.85	ETF	2020-07-22	-	Factor: Multi-Factor
136	QARP	Xtrackers Russell 1000 US QARP	48.81	66	4	0.19	ETF	2018-04-05	0.97	Factor: Multi-Factor
137	ZIG	The Acquirers Fund ETF	37.92	45	3	0.89	ETF	2019-05-15	1.01	Factor: Multi-Factor
138	SPVM	Invesco S&P 500 Value with Momentum ETF	56.39	40	3	0.48	ETF	2011-06-16	2.05	Factor: Multi-Factor
139	AFLG	First Trust Active Factor Large Cap ETF	30.90	5	0.4	0.55	ETF	2019-12-04	1.24	Factor: Multi-Factor
140	FTCS	First Trust Capital Strength ETF	85.65	9,059	309	0.56	ETF	2006-07-11	1.31	Factor: Quality
141	SPHQ	Invesco - Invesco S&P 500 Quality ETF	60.42	8,739	837	0.19	ETF	2005-12-06	1.29	Factor: Quality
142	JQUA	JPMorgan US Quality Factor ETF	52.87	4,186	711	0.12	ETF	2017-11-09	0.88	Factor: Quality
143	FQAL	Fidelity Quality Factor ETF	58.94	848	113	0.15	ETF	2016-09-15	1.19	Factor: Quality
144	SEIQ	SEI Enhanced US Large Cap Quality Factor ETF	32.17	226	13	0.15	ETF	2022-05-18	1.03	Factor: Quality
145	SRHQ	SRH U.S. Quality ETF	35.00	140	0.1	0.35	ETF	2022-10-05	0.73	Factor: Quality
146	PSET	Principal Quality ETF	67.82	49	2	0.15	ETF	2016-03-21	0.59	Factor: Quality
147	VTV	Vanguard Value ETF	162.86	116,210	2,253	0.04	ETF	2004-01-30	2.39	Factor: Value
148	IWD	iShares Russell 1000 Value ETF	179.11	56,182	1,831	0.20	ETF	2000-05-26	1.89	Factor: Value
149	IVE	iShares S&P 500 Value ETF	186.81	33,738	600	0.18	ETF	2000-05-26	1.64	Factor: Value
150	COWZ	Pacer US Cash Cows 100 ETF	58.11	22,581	2,258	0.49	ETF	2016-12-19	1.79	Factor: Value
151	SPYV	SPDR Portfolio S&P 500 Value ETF	50.10	21,435	2,136	0.04	ETF	2000-09-29	1.81	Factor: Value
152	SCHV	Schwab U.S. Large-Cap Value ETF	75.98	10,995	467	0.04	ETF	2009-12-11	2.26	Factor: Value
153	VONV	Vanguard Russell 1000 Value	78.64	8,428	367	0.08	ETF	2010-09-22	1.97	Factor: Value
154	MGV	Vanguard Mega Cap Value ETF	119.51	7,334	158	0.07	ETF	2007-12-21	2.38	Factor: Value
155	PRF	Invesco FTSE RAFI US 1000 ETF	38.47	6,991	360	0.39	ETF	2005-12-19	1.69	Factor: Value
156	VOOV	Vanguard S&P 500 Value ETF	180.47	4,651	87	0.10	ETF	2010-09-09	1.72	Factor: Value
157	AVLV	Avantis US Large Cap Value ETF	64.26	3,169	310	0.15	ETF	2021-09-23	0.35	Factor: Value
158	RWL	Invesco S&P 500 Revenue ETF	93.73	3,002	108	0.39	ETF	2008-02-19	1.48	Factor: Value
159	RPV	Invesco - Invesco S&P 500 Pure Value ETF	88.44	2,164	469	0.35	ETF	2006-03-07	2.29	Factor: Value
160	IWX	iShares Russell Top 200 Value ETF	76.32	2,142	115	0.20	ETF	2009-09-28	2.02	Factor: Value
161	FELV	Fidelity Enhanced Large Cap Value ETF	29.20	2,001	147	0.18	ETF	2007-04-19	2.55	Factor: Value
162	DFLV	Dimensional US Large Cap Value ETF	29.99	1,734	258	0.22	ETF	2022-12-07	1.60	Factor: Value
163	FTA	First Trust Large Cap Value AlphaDEX Fund	76.38	1,242	52	0.60	ETF	2007-05-11	2.00	Factor: Value
164	JAVA	JPMorgan Active Value ETF	59.89	1,072	136	0.44	ETF	2021-10-04	1.56	Factor: Value
165	PWV	Invesco Large Cap Value ETF	56.68	884	33	0.55	ETF	2005-03-03	1.96	Factor: Value
166	JVAL	JPMorgan US Value Factor ETF	41.62	852	63	0.12	ETF	2017-11-09	2.32	Factor: Value
167	EPS	WisdomTree US LargeCap Fund	55.40	851	52	0.08	ETF	2007-02-23	1.60	Factor: Value
168	FVAL	Fidelity Value Factor ETF	57.05	786	63	0.15	ETF	2016-09-15	1.60	Factor: Value
169	SEIV	SEI Enhanced US Large Cap Value Factor ETF	30.97	467	20	0.15	ETF	2022-05-18	1.91	Factor: Value
170	IUS	Invesco RAFI Strategic US ETF	47.46	444	88	0.19	ETF	2018-09-12	1.59	Factor: Value
171	PVAL	Putnam Focused Large Cap Value ETF	35.73	415	170	0.56	ETF	2021-05-25	1.50	Factor: Value
172	GVUS	GS MarketBeta Russell 1000 Value Equity	46.09	391	16	0.12	ETF	2023-11-30	NA	Factor: Value
173	VFLO	VictoryShares Free Cash Flow ETF	32.41	237	212	0.35	ETF	2023-06-22	NA	Factor: Value
174	FLV	American Century Focused Large Cap Value ETF	64.97	226	6	0.42	ETF	2020-04-02	2.06	Factor: Value
175	DFVX	Dimensional US Large Cap Vector ETF	62.64	169	7	0.22	ETF	2023-11-01	NA	Factor: Value
176	DVAL	Brandywineglobal Dynamic US Large Cap Value ETF	13.68	165	9	0.49	ETF	2006-12-27	-	Factor: Value
177	SPVU	Invesco S&P 500 Enhanced Value ETF	49.86	117	11	0.13	ETF	2015-10-06	2.63	Factor: Value
178	BUSA	Brandes US Value ETF	30.92	106	33	0.60	ETF	2023-10-05	NA	Factor: Value
179	TVAL	T. Rowe Price Value ETF	30.03	68	6	0.33	ETF	2023-06-15	NA	Factor: Value
180	REVS	Columbia Research Enhanced Value ETF	23.97	42	4	0.19	ETF	2019-09-25	2.28	Factor: Value
181	STXV	Strive 1000 Value ETF	29.01	38	12	0.18	ETF	2022-11-09	2.07	Factor: Value
182	DEEP	Roundhill Acquirers Deep Value ETF	36.09	36	3	0.80	ETF	2014-09-23	1.70	Factor: Value
183	MDLV	Morgan Dempsey Large Cap Value ETF	25.44	11	13	0.58	ETF	2023-04-25	2.92	Factor: Value
184	BLCV	Blackrock Large Cap Value ETF	31.45	7	2	0.55	ETF	2023-05-23	NA	Factor: Value
185	VMAX	Hartford US Value ETF	47.56	6	0	0.29	ETF	2023-12-05	NA	Factor: Value
186	CFVC	ClearBridge Focus Value ESG ETF	37.82	4	1	0.49	ETF	2020-05-28	2.18	Factor: Value
187	FCFY	First Trust S&P 500 Diversified Free Cash Flow ETF	23.54	1	0	0.60	ETF	2023-08-24	NA	Factor: Value
188	DIA	SPDR Dow Jones Industrial Average ETF Trust	397.76	34,418	3,505	0.16	UIT	1998-01-20	1.76	Other
189	SPHB	Invesco S&P 500 High Beta ETF	87.74	629	540	0.25	ETF	2011-05-05	0.87	Other
190	RECS	Columbia Research Enhanced Core ETF	30.98	448	89	0.15	ETF	2019-09-25	0.90	Other
191	EQL	ALPS Equal Sector Weight ETF	117.99	336	10	0.16	ETF	2009-07-07	1.81	Other
192	SSPY	Syntax Stratified Large Cap ETF	76.98	94	3	0.30	ETF	2019-01-02	1.65	Other

U.S. LARGE CAP EQUITY										Grouped by strategy and sorted by AUM
238	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
193	ACSI	American Customer Satisfaction ETF	51.88	80	0.3	0.65	ETF	2016-11-01	0.97	Other
194	IFED	ETRACS IFED Invest With The Fed TR Index ETN	37.27	74	0.0	0.45	Note	2021-09-15	-	Other
195	SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation	39.51	45	3	0.60	ETF	2018-07-24	1.12	Other
196	UTRN	Vesper US Large Cap S.T. Reversal Strategy ETF	26.13	22	1	0.75	ETF	2018-09-21	2.52	Other
197	EQRR	Proshares Equities For Rising Rates ETF	61.34	19	1	0.35	ETF	2017-07-25	2.40	Other
198	SFYF	Tidal ETF Trust - SoFi Social 50 ETF	32.49	16	3	0.29	ETF	2019-05-08	1.59	Other
199	LRND	IQ US Large Cap R&D Leaders ETF	31.45	8	1	0.14	ETF	2022-02-08	1.08	Other
200	DUHP	Dimensional US High Profitability ETF	31.61	5,193	955	0.22	ETF	2022-02-24	1.38	Other: Actively Managed
201	FELC	Fidelity Enhanced Large Cap Core ETF	29.50	2,455	296	0.18	ETF	2007-04-19	0.68	Other: Actively Managed
202	SECT	Main Sector Rotation ETF	50.38	1,661	83	0.77	ETF	2017-09-05	0.77	Other: Actively Managed
203	TCAF	T Rowe Price Capital Appreciation Equity ETF	30.23	1,290	561	0.31	ETF	2023-06-15	NA	Other: Actively Managed
204	DUSA	Davis Select US Equity ETF	40.37	484	22	0.61	ETF	2017-01-12	2.98	Other: Actively Managed
205	MODL	Victoryshares Westend US Sector ETF	35.80	328	19	0.48	ETF	2022-10-12	0.84	Other: Actively Managed
206	FFLC	Fidelity Fundamental Large Cap Core ETF	41.75	248	51	0.59	ETF	2020-06-04	0.35	Other: Actively Managed
207	SIXA	ETC 6 Meridian Mega Cap Equity ETF	41.08	233	7	0.78	ETF	2020-05-11	1.78	Other: Actively Managed
208	BBLU	EA Bridgeway Blue Chip ETF	11.67	160	104	0.15	ETF	2022-10-17	1.51	Other: Actively Managed
209	DWUS	AdvisorShares Dorsey Wright FSM US Core ETF	44.33	105	1	1.14	ETF	2019-12-27	0.27	Other: Actively Managed
210	OALC	OneAscent Large Cap Core ETF	27.35	103	29	0.86	ETF	2021-11-16	0.37	Other: Actively Managed
211	AESR	Anfield US Equity Sector Rotation ETF	15.57	95	26	1.11	ETF	2019-12-17	0.30	Other: Actively Managed
212	LRGC	AB US Large Cap Strategic Equities ETF	60.66	85	11	0.48	ETF	2023-09-20	NA	Other: Actively Managed
213	SGLC	S&P US Large Cap Core Equity Fund/The	33.29	83	21	0.85	ETF	2023-03-31	1.34	Other: Actively Managed
214	ADPV	Adaptiv Select ETF	30.00	57	3	1.00	ETF	2022-11-03	0.19	Other: Actively Managed
215	SNAV	Mohr Sector Nav ETF	29.41	48	4	1.30	ETF	2023-01-11	3.10	Other: Actively Managed
216	BCHP	Principal Focused Blue Chip ETF	31.26	38	6	0.58	ETF	2023-07-13	NA	Other: Actively Managed
217	LCF	Touchstone US Large Cap Focused ETF	32.81	35	0.3	0.69	ETF	2022-07-29	0.66	Other: Actively Managed
218	BCUS	Bancree US Large Cap ETF	28.75	29	4	0.70	ETF	2023-12-20	NA	Other: Actively Managed
219	FCUS	Pinnacle Focused Opportunities ETF	28.34	26	2	0.79	ETF	2022-12-29	-	Other: Actively Managed
220	INAV	Mohr Industry Nav ETF	26.49	14	2	1.20	ETF	2024-01-25	NA	Other: Actively Managed
221	QRFT	Qraft AI-Enhanced US Large Cap ETF	48.43	8	1	0.75	ETF	2019-05-21	0.72	Other: Actively Managed
222	BLCR	Blackrock Large Cap Core ETF	30.61	7	0	0.36	ETF	2023-10-26	NA	Other: Actively Managed
223	LQAI	LG QRAFT AI-Powered US Large Cap Core ETF	30.23	4	1	0.75	ETF	2023-11-06	NA	Other: Actively Managed
224	RVRB	Reverb ETF	27.40	4	0.0	0.30	ETF	2022-11-04	0.88	Other: Actively Managed
225	SPLV	Invesco S&P 500 Low Volatility ETF	65.87	7,673	2,363	0.25	ETF	2011-05-05	2.36	Risk
226	FDLO	Fidelity Low Volatility Factor ETF	56.18	1,025	165	0.15	ETF	2016-09-15	1.32	Risk
227	LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	155.74	716	25	0.12	ETF	2013-02-21	1.95	Risk
228	SSUS	Day Hagan/Ned Davis Research Smart Sector ETF	38.45	668	66	0.79	ETF	2020-01-17	1.01	Risk
229	ONEV	SPDR Russell 1000 Low Volatility Focus ETF	124.18	661	13	0.20	ETF	2015-12-03	1.71	Risk
230	CFA	VictoryShares US 500 Volatility Wtd ETF	81.36	534	12	0.35	ETF	2014-07-01	1.37	Risk
231	CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	65.95	466	14	0.40	ETF	2014-07-01	1.72	Risk
232	SELV	SEI Enhanced Low Volatility US Large Cap ETF	27.79	127	6	0.15	ETF	2022-05-18	1.94	Risk
233	HUSV	First Trust Horizons Managed Volatility Domestic	35.78	88	6	0.70	ETF	2016-08-25	1.42	Risk
234	THLV	THOR Low Volatility ETF	27.27	50	13	0.64	ETF	2022-09-13	2.57	Risk
235	XRLV	Invesco S&P 500 Ex-Rate Sensitive Low Vol	50.01	42	1	0.25	ETF	2015-04-09	2.49	Risk
236	LVOL	American Century Low Volatility ETF	51.33	12	0.4	0.29	ETF	2021-01-14	1.43	Risk
237	SPMV	Invesco S&P 500 Minimum Variance ETF	42.79	9	2	0.10	ETF	2017-07-13	2.15	Risk
238	GDEF	Goldman Sachs Defensive Equity ETF	47.75	7	0.1	0.55	ETF	2023-01-23	1.03	Risk

U.S. MID CAP EQUITY										Grouped by strategy and sorted by AUM
59	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	IJH	iShares Core S&P Mid-Cap ETF	60.74	85,062	6,775	0.07	ETF	2000-05-26	1.31	Cap-Weighted
2	VO	Vanguard Mid-Cap ETF	249.86	64,609	612	0.04	ETF	2004-01-30	1.53	Cap-Weighted
3	IWR	iShares Russell Mid-Cap ETF	84.09	33,509	1,140	0.20	ETF	2001-07-20	1.30	Cap-Weighted
4	MDY	SPDR S&P MidCap 400 ETF Trust	556.40	22,402	918	0.23	UIT	1995-05-04	1.10	Cap-Weighted
5	VXF	Vanguard Extended Market ETF	175.27	18,828	327	0.06	ETF	2002-01-04	1.23	Cap-Weighted
6	SCHM	Schwab U.S. Mid-Cap ETF	81.43	11,652	284	0.04	ETF	2011-01-13	1.45	Cap-Weighted
7	SPMD	SPDR Portfolio S&P 400 Mid Cap ETF	53.34	10,047	1,169	0.03	ETF	2005-11-15	1.38	Cap-Weighted
8	IVOO	Vanguard S&P Mid-Cap 400 ETF	103.01	2,023	61	0.10	ETF	2010-09-09	1.19	Cap-Weighted
9	BPMC	JPMorgan BetaBuilders US Mid Cap Equity ETF	92.45	1,710	31	0.07	ETF	2020-04-15	1.25	Cap-Weighted
10	BKMC	BNY Mellon US Mid Cap Core Equity ETF	99.08	487	7	0.04	ETF	2020-04-09	1.33	Cap-Weighted
11	FRTY	Alger Mid Cap 40 ETF	15.87	34	11	0.60	ETF	2021-03-01	-	Cap-Weighted
12	DON	WisdomTree US MidCap Dividend Fund	48.77	3,658	158	0.38	ETF	2006-06-16	2.27	Dividend/Income
13	REGL	Proshares S&P Midcap 400 Div Aristocrats ETF	78.56	1,615	55	0.40	ETF	2015-02-03	2.20	Dividend/Income
14	RNMC	Mid Cap US Equity Select ETF	33.12	18	1	0.60	ETF	2017-06-21	1.34	Dividend/Income

U.S. MID CAP EQUITY										Grouped by strategy and sorted by AUM	
59	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy	
15	SMDY	Syntax Stratified MidCap ETF	43.58	11		0.1	0.35	ETF	2020-01-17	1.01	Equal-Weight
16	IWP	iShares Russell Mid-Cap Growth ETF	114.14	15,526	506	0.25	ETF	2001-07-17	0.48	Factor: Growth	
17	VOT	Vanguard Mid-Cap Growth ETF	235.79	13,245	177	0.07	ETF	2006-08-24	0.69	Factor: Growth	
18	IJK	iShares S&P Mid-Cap 400 Growth ETF	91.25	9,441	294	0.25	ETF	2000-07-28	0.94	Factor: Growth	
19	MDYG	SPDR S&P 400 Mid CapGrowth ETF	87.29	3,029	403	0.15	ETF	2005-11-15	1.01	Factor: Growth	
20	IMCG	iShares Morningstar Mid-Cap Growth ETF	70.68	2,070	197	0.30	ETF	2004-07-02	0.80	Factor: Growth	
21	IVOG	Vanguard S&P Mid-Cap 400 Growth ETF	113.45	1,010	39	0.15	ETF	2010-09-09	1.01	Factor: Growth	
22	GRPM	Invesco S&P MidCap 400 GARP ETF	120.28	389	23	0.40	ETF	2010-12-08	0.78	Factor: Growth	
23	RFG	Invesco S&P MidCap 400 Pure Growth ETF	50.70	329	44	0.35	ETF	2006-03-07	0.73	Factor: Growth	
24	FNY	First Trust Mid Cap Growth AlphaDEX Fund	75.61	326	13	0.70	ETF	2011-04-20	0.11	Factor: Growth	
25	TFMF	Motley Fool Mid-Cap Growth ETF	27.10	202	7	0.85	ETF	2021-12-13	2.43	Factor: Growth	
26	CSMD	Congress Smid Growth ETF	30.11	110	33	0.68	ETF	2023-08-22	NA	Factor: Growth	
27	AWEG	Alger Weatherbie Enduring Growth ETF	23.46	5	0.1	0.65	ETF	2023-03-07	0.23	Factor: Growth	
28	XMMO	Invesco S&P MidCap Momentum ET	114.86	2,084	241	0.33	ETF	2005-03-03	0.45	Factor: Momentum	
29	PTMC	Pacer Trendpilot US Mid Cap ETF	36.03	411	33	0.60	ETF	2015-06-12	1.79	Factor: Momentum	
30	JHMM	John Hancock Multi-Factor Mid Cap ETF	57.38	3,830	181	0.41	ETF	2015-09-29	1.10	Factor: Multi-Factor	
31	FNX	First Trust Mid Cap Core AlphaDEX Fund	113.37	1,207	22	0.60	ETF	2007-05-10	0.95	Factor: Multi-Factor	
32	IMCB	iShares Morningstar Mid-Cap ETF	72.83	870	20	0.25	ETF	2004-07-02	1.46	Factor: Multi-Factor	
33	FLQM	Franklin U.S. Mid Cap Multifactor Index ETF	53.46	612	103	0.30	ETF	2017-04-26	1.15	Factor: Multi-Factor	
34	JPME	JPMorgan Diversified Return US Mid Cap Equity	99.14	386	12	0.24	ETF	2016-05-11	1.75	Factor: Multi-Factor	
35	QVMM	Invesco S&P MidCap 400 QVM Multi-factor ETF	28.27	310	0.5	0.15	ETF	2021-06-30	1.25	Factor: Multi-Factor	
36	XMVM	Invesco S&P MidCap Value with Momentum ETF	54.30	223	12	0.39	ETF	2005-03-03	1.41	Factor: Multi-Factor	
37	SFYX	Sofi Next 500 ETF	13.96	83	23	0.19	ETF	2019-04-11	1.41	Factor: Multi-Factor	
38	PAMC	Pacer Lunt MidCap Multi-Factor Alternator ETF	45.73	53	15	0.60	ETF	2020-06-25	0.53	Factor: Multi-Factor	
39	AFMC	First Trust Active Factor Mid Cap ETF	30.29	8	1	0.65	ETF	2019-12-04	0.85	Factor: Multi-Factor	
40	QMID	WisdomTree US MidCap Quality Growth Fund	27.94	4	2	0.38	ETF	2024-01-25	NA	Factor: Multi-Factor	
41	XMHQ	Invesco S&P MidCap Quality ETF	110.05	4,477	308	0.31	ETF	2006-12-01	0.59	Factor: Quality	
42	VOE	Vanguard Mid-Cap Value ETF	155.91	16,616	352	0.07	ETF	2006-08-24	2.17	Factor: Value	
43	IWS	iShares Russell Mid-Cap Value ETF	125.33	14,129	577	0.25	ETF	2001-07-24	1.57	Factor: Value	
44	IJJ	iShares S&P Mid-Cap 400 Value ETF	118.29	7,643	132	0.25	ETF	2000-07-28	1.59	Factor: Value	
45	MDYV	SPDR S&P 400 Mid Cap Value ETF	76.00	2,590	137	0.15	ETF	2005-11-15	1.63	Factor: Value	
46	PRFZ	Invesco FTSE RAFI US 1500 Small-Mid ETF	39.28	2,384	103	0.40	ETF	2006-09-20	1.31	Factor: Value	
47	IVOV	Vanguard S&P Mid-Cap 400 Value ETF	90.80	895	20	0.15	ETF	2010-09-09	1.50	Factor: Value	
48	EZM	WisdomTree US MidCap Fund	61.02	828	29	0.38	ETF	2007-02-23	1.29	Factor: Value	
49	RWK	Invesco S&P Midcap 400 Revenue ETF	115.10	755	22	0.39	ETF	2008-02-20	1.03	Factor: Value	
50	IMCV	iShares Morningstar Mid-Cap Value ETF	72.55	628	20	0.30	ETF	2004-07-02	2.12	Factor: Value	
51	RFV	Invesco S&P MidCap 400 Pure Value ETF	119.29	323	18	0.35	ETF	2006-03-07	1.24	Factor: Value	
52	FNK	First Trust Mid Cap Value AlphaDEX Fund	54.15	235	16	0.70	ETF	2011-04-20	1.63	Factor: Value	
53	AVMV	Avantis US Mid Cap Value ETF	62.51	20	4	0.20	ETF	2023-11-09	NA	Factor: Value	
54	CZA	Invesco Zacks Mid-Cap ETF	101.69	247	4	0.74	ETF	2007-04-03	1.28	Other	
55	FMDE	Fidelity Enhanced Mid Cap ETF	30.54	1,581	76	0.23	ETF	2007-12-20	0.79	Other: Actively Managed	
56	AMID	Argent Mid Cap ETF	34.23	57	11	0.52	ETF	2022-08-01	0.38	Other: Actively Managed	
57	AVMC	Avantis US Mid Cap Equity ETF	62.19	16	3	0.18	ETF	2023-11-09	NA	Other: Actively Managed	
58	VNMC	Natixis Vaughan Nelson Mid Cap ETF	36.55	4	1	0.85	ETF	2020-09-17	0.97	Other: Actively Managed	
59	XMLV	Invesco S&P MidCap Low Volatility ETF	56.40	829	46	0.25	ETF	2013-02-15	2.22	Risk	

U.S. SMALL/MICRO CAP EQUITY										Grouped by strategy and sorted by AUM
108	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	IJR	iShares Core S&P Small-Cap ETF	110.52	80,359	4,023	0.07	ETF	2000-05-26	1.33	Cap-Weighted
2	IWM	iShares Russell 2000 ETF	210.30	65,496	34,262	0.20	ETF	2000-05-26	1.27	Cap-Weighted
3	VB	Vanguard Small-Cap ETF	228.59	56,571	726	0.05	ETF	2004-01-30	1.46	Cap-Weighted
4	SCHA	Schwab US Small-Cap ETF	49.24	17,079	897	0.04	ETF	2009-11-03	1.35	Cap-Weighted
5	SPSM	SPDR Portfolio S&P 600 Small Cap ETF	43.04	10,548	1,585	0.03	ETF	2013-07-09	1.27	Cap-Weighted
6	VTWO	Vanguard Russell 2000 ETF	85.06	9,382	2,626	0.10	ETF	2010-09-22	1.37	Cap-Weighted
7	DFAS	Dimensional US Small Cap ETF	62.34	7,988	284	0.28	ETF	2021-06-14	0.97	Cap-Weighted
8	VIOO	Vanguard S&P Small-Cap 600 ETF	101.50	2,654	115	0.10	ETF	2010-09-09	1.48	Cap-Weighted
9	SMMD	iShares Russell 2500 ETF	65.61	1,074	54	0.24	ETF	2017-07-06	1.35	Cap-Weighted
10	IWC	iShares Micro-Cap ETF	121.19	920	24	0.60	ETF	2005-08-16	1.14	Cap-Weighted
11	BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	62.91	481	8	0.09	ETF	2020-11-16	1.67	Cap-Weighted
12	MGMT	Ballast Small/Mid Cap ETF	37.92	144	16	1.10	ETF	2020-12-03	1.16	Cap-Weighted
13	BKSE	BNY Mellon US Small Cap Core Equity ETF	96.06	116	2	0.04	ETF	2020-04-09	1.45	Cap-Weighted
14	STXK	Strive Small-Cap ETF	29.98	44	6	0.18	ETF	2022-11-09	1.20	Cap-Weighted
15	TXSS	Texas Capital Texas Small Cap Equity Index ETF	25.73	12	1	0.49	ETF	2023-12-20	NA	Cap-Weighted

U.S. SMALL/MICRO CAP EQUITY										Grouped by strategy and sorted by AUM
108	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
16	SDVY	First Trust SMID Cap Rising Dividend Achievers ETF	34.82	4,017	1,101	0.60	ETF	2017-11-02	1.74	Dividend/Income
17	DES	WisdomTree US SmallCap Dividend Fund	32.68	1,996	155	0.38	ETF	2006-06-16	2.54	Dividend/Income
18	SMDV	Proshares Russell 2000 Dividend Growers ETF	64.02	789	77	0.40	ETF	2015-02-05	2.83	Dividend/Income
19	OUSM	ALPS O'Shares U.S. Small-Cap Quality Dividend ETF	42.57	572	57	0.48	ETF	2016-12-30	1.54	Dividend/Income
20	SMIG	AAM Bahl & Gaynor Small/Mid Cap Income Growth	26.94	448	82	0.60	ETF	2021-08-26	1.92	Dividend/Income
21	CSB	VictoryShares US Small Cap High Div Volatility Wtd	56.04	328	27	0.35	ETF	2015-07-08	3.73	Dividend/Income
22	RNSC	Small Cap US Equity Select ETF	28.88	39	2	0.60	ETF	2017-06-21	2.16	Dividend/Income
23	DIVS	SmartETFs Dividend Builder ETF	27.34	32	2	0.65	ETF	2012-03-30	2.98	Dividend/Income
24	XSHD	Invesco S&P SmallCap High Dividend Low Vol ETF	15.42	31	30	0.30	ETF	2016-12-01	7.94	Dividend/Income
25	QQQS	Invesco Nasdaq Future Gen 200 ETF	27.11	8	5	0.20	ETF	2022-10-13	0.65	Equal-Weight
26	VBK	Vanguard Small-Cap Growth ETF	260.72	17,560	258	0.07	ETF	2004-01-30	0.68	Factor: Growth
27	IWO	iShares Russell 2000 Growth ETF	270.80	11,656	508	0.24	ETF	2000-07-28	0.66	Factor: Growth
28	IJT	iShares S&P Small-Cap 600 Growth ETF	130.73	5,912	100	0.25	ETF	2000-07-28	0.95	Factor: Growth
29	SLYG	SPDR S&P 600 Small Cap Growth ETF	87.23	3,340	235	0.15	ETF	2000-09-29	1.14	Factor: Growth
30	VTWG	Vanguard Russell 2000 Growth	197.10	937	23	0.15	ETF	2010-09-22	0.73	Factor: Growth
31	VIOG	Vanguard S&P Small-Cap 600 Growth ETF	112.43	852	35	0.15	ETF	2010-09-09	1.12	Factor: Growth
32	ISCG	iShares Morningstar Small-Cap Growth ETF	46.57	559	38	0.30	ETF	2004-07-07	0.70	Factor: Growth
33	JAMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	69.92	359	26	0.30	ETF	2016-02-25	0.44	Factor: Growth
34	FYC	First Trust Small Cap Growth AlphaDEX Fund	65.70	270	14	0.70	ETF	2011-04-20	0.48	Factor: Growth
35	JSMC	Janus Henderson Small Cap Growth Alpha ETF	60.48	217	11	0.30	ETF	2016-02-25	0.52	Factor: Growth
36	RZG	Invesco S&P SmallCap 600 Pure Growth ETF	48.60	104	15	0.35	ETF	2006-03-07	1.28	Factor: Growth
37	TMFS	Motley Fool Small-Cap Growth E	31.87	87	7	0.85	ETF	2018-10-30	0.00	Factor: Growth
38	DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	90.91	931	55	0.60	ETF	2012-07-19	1.35	Factor: Momentum
39	XSMO	Invesco S&P SmallCap Momentum ETF	60.32	384	87	0.37	ETF	2005-03-03	0.70	Factor: Momentum
40	FNDA	Schwab Fundamental U.S. Small Company Index ETF	57.03	8,335	334	0.25	ETF	2013-08-15	1.40	Factor: Multi-Factor
41	SMLF	iShares U.S. Small-Cap Equity Factor ETF	63.58	1,028	85	0.30	ETF	2015-04-30	1.07	Factor: Multi-Factor
42	FYX	First Trust Small Cap Core AlphaDEX Fund	93.24	891	28	0.60	ETF	2007-05-10	1.13	Factor: Multi-Factor
43	XSYM	Invesco S&P SmallCap Value with Momentum ETF	56.94	794	57	0.36	ETF	2005-03-03	1.46	Factor: Multi-Factor
44	PSC	Principal US Small-Cap ETF	49.57	523	11	0.38	ETF	2016-09-22	0.61	Factor: Multi-Factor
45	GSSC	Goldman Sachs ActiveBeta US Small Cap Equity ETF	65.55	509	30	0.20	ETF	2017-06-29	1.35	Factor: Multi-Factor
46	JPSE	JPMorgan Diversified Return US Small Cap Equity	45.20	482	49	0.29	ETF	2016-11-15	1.81	Factor: Multi-Factor
47	JHSC	John Hancock Multifactor Small Cap ETF	38.52	436	53	0.42	ETF	2017-11-09	0.95	Factor: Multi-Factor
48	OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	37.77	383	37	0.39	ETF	2017-11-08	1.52	Factor: Multi-Factor
49	DGRS	WisdomTree U.S. SmallCap Div Grwth	49.64	348	21	0.38	ETF	2013-07-25	1.90	Factor: Multi-Factor
50	SMOT	Vaneck Morningstar SMID Moat ETF	34.11	336	69	0.49	ETF	2022-10-06	0.61	Factor: Multi-Factor
51	ISCB	iShares Morningstar Small-Cap ETF	56.21	228	6	0.25	ETF	2004-07-02	1.39	Factor: Multi-Factor
52	USVM	VictoryShares US Small Mid Cap Value Momentum	80.37	225	4	0.24	ETF	2017-10-26	1.29	Factor: Multi-Factor
53	FSMD	Fidelity Small-Mid Multifactor	38.86	214	89	0.15	ETF	2019-02-28	1.28	Factor: Multi-Factor
54	QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	25.76	187	1	0.15	ETF	2021-06-30	1.45	Factor: Multi-Factor
55	CSML	IndexIQ ETF Trust IQ U.S. Small Cap ETF	37.30	184	6	0.35	ETF	2017-05-16	1.36	Factor: Multi-Factor
56	FDM	First Trust Dow Jones Select Microcap Index Fund	62.77	179	4	0.60	ETF	2005-09-30	1.60	Factor: Multi-Factor
57	DSMC	Distillate Small/Mid Cash Flow ETF	36.97	61	9	0.55	ETF	2022-10-06	1.05	Factor: Multi-Factor
58	CSF	VictoryShares US Discovery Enh Vol	51.25	49	3	0.35	ETF	2014-08-01	2.98	Factor: Multi-Factor
59	FLQS	Franklin U.S. Small Cap Multifactor Index ETF	40.61	37	3	0.35	ETF	2017-04-26	1.25	Factor: Multi-Factor
60	ROSC	Hartford Multifactor Small Cap ETF	41.63	31	3	0.34	ETF	2015-03-24	2.06	Factor: Multi-Factor
61	SQLV	Royce Quant Small-Cap Quality Value ETF	41.50	29	5	0.61	ETF	2017-07-12	1.10	Factor: Multi-Factor
62	CAFG	Pacer US Small Cap Cash Cows Growth Leaders ETF	24.07	8	5	0.59	ETF	2023-05-02	NA	Factor: Multi-Factor
63	AFSM	First Trust Active Factor Small Cap ETF	29.30	6	7	0.75	ETF	2019-12-04	0.83	Factor: Multi-Factor
64	QSMC	WisdomTree US SmallCap Quality Growth Fund	26.25	1	1	0.38	ETF	2024-01-25	NA	Factor: Multi-Factor
65	XSHQ	Invesco S&P SmallCap Quality ETF	41.18	148	41	0.29	ETF	2017-04-06	1.15	Factor: Quality
66	VBR	Vanguard Small-Cap Value ETF	191.88	28,980	443	0.07	ETF	2004-01-30	2.06	Factor: Value
67	IWN	iShares Russell 2000 Value ETF	158.81	12,542	1,459	0.24	ETF	2000-07-28	1.97	Factor: Value
68	AVUV	Avantis U.S. Small Cap Value ETF	93.71	10,875	561	0.25	ETF	2019-09-25	1.61	Factor: Value
69	DFAT	Dimensional US Targeted Value ETF	54.43	10,059	220	0.29	ETF	2021-06-14	1.28	Factor: Value
70	CALF	Pacer US Small Cap Cash Cows 100 ETF	49.16	9,729	2,498	0.59	ETF	2017-06-19	1.09	Factor: Value
71	IJS	iShares S&P Small-Cap 600 Value ETF	102.76	7,225	287	0.25	ETF	2000-07-28	1.51	Factor: Value
72	SLYV	SPDR S&P 600 Small CapValue ETF	82.97	4,008	203	0.15	ETF	2000-09-29	2.26	Factor: Value
73	DFSV	Dimensional US Small Cap Value ETF	30.10	2,902	458	0.31	ETF	2022-02-24	1.27	Factor: Value
74	RWJ	Invesco S&P Smallcap 600 Revenue ETF	42.81	1,546	145	0.39	ETF	2008-02-19	1.27	Factor: Value
75	VIOV	Vanguard S&P Small-Cap 600 Value ETF	88.42	1,384	54	0.15	ETF	2010-09-09	1.95	Factor: Value
76	BSVO	EA Bridgeway Omni Small-Cap Value ETF	21.27	1,231	145	0.47	ETF	2023-03-13	1.45	Factor: Value
77	VTWV	Vanguard Russell 2000 Value	139.82	819	24	0.15	ETF	2010-09-22	1.95	Factor: Value
78	EES	WisdomTree US SmallCap Fund	50.12	649	27	0.38	ETF	2007-02-23	0.94	Factor: Value
79	ISCV	iShares Morningstar Small-Cap Value ETF	61.20	428	12	0.30	ETF	2004-07-06	2.14	Factor: Value

U.S. SMALL/MICRO CAP EQUITY										Grouped by strategy and sorted by AUM
108	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
80	OSCV	Opus Small Cap Value ETF	35.96	271	33	0.79	ETF	2018-07-18	1.53	Factor: Value
81	RZV	Invesco S&P SmallCap 600 Pure Value ETF	107.51	250	12	0.35	ETF	2006-03-07	1.18	Factor: Value
82	FYT	First Trust Small Cap Value AlphaDEX Fund	54.33	196	9	0.70	ETF	2011-04-20	1.53	Factor: Value
83	SVAL	iShares US Small Cap Value Factor ETF	30.62	77	13	0.20	ETF	2020-10-29	2.29	Factor: Value
84	SFLO	VictoryShares Small Cap Free Cash Flow ETF	27.21	46	3	0.49	ETF	2023-12-20	NA	Factor: Value
85	BSMC	Brandes US Small-Mid Cap Value ETF	29.86	43	11	0.70	ETF	2023-10-05	NA	Factor: Value
86	JPSV	JPMorgan Active Small Cap Value ETF	56.24	16	1	0.74	ETF	2023-03-08	1.08	Factor: Value
87	SMCF	Themes US Small Cap Cash Flow Champions ETF	30.13	1	1	0.29	ETF	2023-12-12	NA	Factor: Value
88	TMFX	Motley Fool Next Index ETF	17.56	27	6	0.50	ETF	2021-12-31	0.16	Other
89	SSLY	Syntax Stratified SmallCap ETF	45.36	18	0.2	0.40	ETF	2020-05-27	1.16	Other
90	JMEE	JPMorgan Market Expansion Enhanced Equity ETF	58.53	1,069	98	0.24	ETF	2022-05-09	1.17	Other: Actively Managed
91	AVSC	Avantis US Small Cap Equity ETF	52.36	1,014	226	0.25	ETF	2022-01-13	1.17	Other: Actively Managed
92	FESM	Fidelity Enhanced Small Cap ETF	30.05	526	43	0.28	ETF	2007-12-20	0.60	Other: Actively Managed
93	NBSM	Neuberger Berman Small-Mid Cap ETF	25.68	149	NA	0.74	ETF	2024-03-20	NA	Other: Actively Managed
94	TMSL	T.Rowe Price Small-Mid Cap ETF	31.38	97	17	0.55	ETF	2023-06-15	NA	Other: Actively Managed
95	SIXS	ETC 6 Meridian Small Cap Equity ETF	47.22	76	3	0.85	ETF	2020-05-11	1.40	Other: Actively Managed
96	SMCO	Hilton Small-MidCap Opportunity ETF	24.08	61	4	0.55	ETF	2023-11-28	NA	Other: Actively Managed
97	FFSM	Fidelity Fundamental Small-Mid Cap ETF	26.22	57	21	0.60	ETF	2021-02-04	0.40	Other: Actively Managed
98	SMIZ	Zacks Small/Mid Cap ETF	31.64	29	7	0.55	ETF	2023-10-03	NA	Other: Actively Managed
99	MYLD	Cambria Micro and SmallCap Shareholder Yield ETF	26.77	27	4	0.59	ETF	2024-01-04	NA	Other: Actively Managed
100	GSC	Goldman Sachs Small Cap Core Equity ETF	49.64	26	5	0.75	ETF	2023-10-05	NA	Other: Actively Managed
101	MMSC	First Trust Multi-Manager Small Cap Opportunities	19.54	13	9	0.95	ETF	2021-10-14	-	Other: Actively Managed
102	ABCS	Alpha Blue Capital US Small-Mid Cap Dynamic ETF	27.35	10	3	0.42	ETF	2023-12-18	NA	Other: Actively Managed
103	NSCS	Nuveen Small Cap Select ETF	27.03	7	0.2	0.86	ETF	2021-08-05	0.11	Other: Actively Managed
104	SMMV	iShares MSCI USA Small-Cap Min Vol Factor ETF	37.45	789	259	0.20	ETF	2016-09-07	1.56	Risk
105	XSLV	Invesco S&P SmallCap Low Volatility ETF	44.21	346	23	0.25	ETF	2013-02-15	2.25	Risk
106	SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	112.04	185	6	0.12	ETF	2013-02-21	2.52	Risk
107	CSA	VictoryShares US Small Cap Volatility Wtd ETF	69.16	28	1	0.35	ETF	2015-07-08	1.23	Risk
108	HSMV	First Trust Horizons Managed Volatility Small/Mid	33.95	19	1	0.80	ETF	2020-04-07	1.25	Risk

U.S. SECTOR EQUITY										Grouped by sector and sorted by AUM
221	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
1	GGME	Invesco Next Gen Media and Gaming ETF	43.74	31	3	0.60	ETF	2005-06-23	0.84	Communication - Gaming
2	XLC	Communication Services Select Sector SPDR Fund	81.66	18,191	5,954	0.09	ETF	2018-06-18	0.81	Communication Services
3	FDN	First Trust Dow Jones Internet Index Fund	205.09	6,420	336	0.52	ETF	2006-06-23	-	Communication Services
4	VOX	Vanguard Communication Services ETF	131.22	4,000	147	0.10	ETF	2004-09-29	0.94	Communication Services
5	FCOM	Fidelity MSCI Communication Services Index ETF	49.56	1,060	177	0.08	ETF	2013-10-24	0.75	Communication Services
6	PNQJ	Invesco Nasdaq Internet ETF	39.89	766	99	0.60	ETF	2008-06-12	-	Communication Services
7	FNGS	MicroSectors FANG+ ETNs	43.30	260	144	0.58	Note	2019-11-13	-	Communication Services
8	IYZ	iShares U.S. Telecommunications ETF	21.98	231	578	0.44	ETF	2000-05-26	2.32	Communication Services
9	RSPC	Invesco S&P 500 Equal Weight Communications ETF	29.80	72	19	0.40	ETF	2018-11-07	1.06	Communication Services
10	XTL	SPDR S&P Telecom ETF	74.26	58	3	0.35	ETF	2011-01-27	0.90	Communication Services
11	IBUY	Amplify Online Retail ETF	58.06	183	16	0.65	ETF	2016-04-20	-	Consumer - Ecommerce
12	XRT	SPDR S&P Retail ETF	78.99	517	5,502	0.35	ETF	2006-06-22	1.26	Consumer - Retail
13	RTH	VanEck Retail ETF	211.04	215	7	0.35	ETF	2011-12-21	0.97	Consumer - Retail
14	XLY	Consumer Discretionary Select Sector SPDR Fund	183.89	20,055	4,041	0.09	ETF	1998-12-22	0.75	Consumer Discretionary
15	VCR	Vanguard Consumer Discretionary ETF	317.73	5,651	37	0.10	ETF	2004-01-30	0.80	Consumer Discretionary
16	ITB	iShares U.S. Home Construction ETF	115.77	3,337	1,472	0.44	ETF	2006-05-05	0.45	Consumer Discretionary
17	XHB	SPDR S&P Homebuilders ETF	111.59	2,048	2,360	0.35	ETF	2006-02-06	0.67	Consumer Discretionary
18	FXD	First Trust Consumer Discretionary AlphaDEX Fund	64.54	1,606	50	0.61	ETF	2007-05-10	0.59	Consumer Discretionary
19	FDIS	Fidelity MSCI Consumer Discretionary Index ETF	82.48	1,456	69	0.08	ETF	2013-10-24	0.76	Consumer Discretionary
20	IYC	iShares U.S. Consumer Discretionary ETF	81.97	1,017	64	0.44	ETF	2000-06-12	0.62	Consumer Discretionary
21	RSPD	Invesco S&P 500 Equal Weight Cons Disc ETF	51.02	443	44	0.40	ETF	2006-11-07	1.02	Consumer Discretionary
22	PEJ	Invesco Leisure & Entertainment ETF	46.18	297	54	0.55	ETF	2005-06-23	0.49	Consumer Discretionary
23	PEZ	Invesco DWA Consumer Cyclical Momentum ETF	96.54	61	7	0.73	ETF	2006-10-12	0.41	Consumer Discretionary
24	IEDI	iShares U.S. Consumer Focused ETF	49.70	60	47	0.18	ETF	2018-03-21	1.00	Consumer Discretionary
25	PSCD	Invesco S&P SmallCap Consumer Discretionary ETF	109.04	44	5	0.29	ETF	2010-04-07	1.07	Consumer Discretionary
26	BEDZ	Advisorshares Hotel ETF	30.10	4	0.4	0.79	ETF	2021-04-21	1.56	Consumer Discretionary
27	EATZ	Advisorshares Restaurant ETF	24.70	3	2	0.79	ETF	2021-04-21	0.46	Consumer Discretionary
28	XLP	Consumer Staples Select Sector SPDR Fund	76.36	15,614	11,113	0.09	ETF	1998-12-22	2.79	Consumer Staples
29	VDC	Vanguard Consumer Staples ETF	204.14	6,624	99	0.10	ETF	2004-01-30	2.52	Consumer Staples
30	IYK	iShares U.S. Consumer Staples ETF	67.63	1,339	99	0.44	ETF	2000-06-16	2.63	Consumer Staples
31	FSTA	Fidelity MSCI Consumer Staples Index ETF	47.58	1,111	75	0.08	ETF	2013-10-24	1.99	Consumer Staples

U.S. SECTOR EQUITY										Grouped by sector and sorted by AUM
221	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
32	RSPS	Invesco S&P 500 Eql Weight Consumer Staples ETF	32.93	460	97	0.40	ETF	2006-11-07	2.71	Consumer Staples
33	FXG	First Trust Consumer Staples AlphaDEX Fund	68.49	438	27	0.63	ETF	2007-05-10	1.17	Consumer Staples
34	PBJ	Invesco Food & Beverage ETF	48.72	131	14	0.63	ETF	2005-06-23	1.45	Consumer Staples
35	PSL	Invesco Invesco DWA Consumer Staples Moment	97.66	87	2	0.73	ETF	2006-10-12	1.22	Consumer Staples
36	PSCC	Invesco S&P SmallCap Consumer Staples ETF	37.23	82	19	0.29	ETF	2010-04-07	1.50	Consumer Staples
37	FTXG	First Trust Nasdaq Food & Beverage ETF	24.86	57	26	0.60	ETF	2016-09-21	4.30	Consumer Staples
38	XLE	Energy Select Sector SPDR Fund	94.41	39,543	15,450	0.09	ETF	1998-12-22	3.03	Energy
39	VDE	Vanguard Energy ETF	131.70	8,792	447	0.10	ETF	2004-09-29	2.88	Energy
40	XOP	SPDR S&P Oil & Gas Exploration & Production ETF	154.93	4,187	3,126	0.35	ETF	2006-06-22	2.17	Energy
41	OIH	VanEck Oil Services ETF	336.33	2,222	365	0.35	ETF	2011-12-21	1.24	Energy
42	FENY	Fidelity MSCI Energy Index ETF	25.87	1,882	853	0.08	ETF	2013-10-24	2.79	Energy
43	IYE	iShares U.S. Energy ETF	49.40	1,348	375	0.44	ETF	2000-06-16	2.46	Energy
44	IEO	iShares U.S. Oil & Gas Exploration & Production	106.97	781	124	0.44	ETF	2006-05-05	2.39	Energy
45	FXN	First Trust Energy AlphaDEX Fund	18.73	630	2,065	0.62	ETF	2007-05-10	1.89	Energy
46	RSPG	Invesco S&P 500 Equal Weight Energy ETF	83.08	608	85	0.40	ETF	2006-11-07	2.29	Energy
47	FCG	First Trust Natural Gas ETF	27.44	441	202	0.60	ETF	2007-05-11	2.31	Energy
48	DRLL	Strive US Energy ETF	31.31	354	34	0.41	ETF	2022-08-09	2.62	Energy
49	XES	SPDR S&P Oil & Gas Equipment & Services ETF	93.09	328	96	0.35	ETF	2006-06-22	0.72	Energy
50	IEZ	iShares U.S. Oil Equipment & Services ETF	23.65	290	208	0.44	ETF	2006-05-05	0.97	Energy
51	PSCE	Invesco S&P SmallCap Energy ETF	55.78	244	14	0.29	ETF	2010-04-07	2.09	Energy
52	FTXN	First Trust Nasdaq Oil & Gas ETF	32.30	223	26	0.60	ETF	2016-09-21	2.90	Energy
53	PXE	Invesco Energy Exploration & Production ETF	35.80	149	37	0.63	ETF	2005-10-26	2.14	Energy
54	PXJ	Invesco Oil & Gas Services ETF	31.76	92	17	0.63	ETF	2005-10-26	1.87	Energy
55	PXI	Invesco Invesco DWA Energy Momentum ETF	48.94	74	5	0.70	ETF	2006-10-12	1.34	Energy
56	OILT	Texas Capital Texas Oil Index ETF	28.20	14	1	0.35	ETF	2023-12-20	NA	Energy
57	XLF	Financial Select Sector SPDR Fund	42.12	38,389	45,120	0.09	ETF	1998-12-22	1.54	Financials
58	VFH	Vanguard Financials ETF	102.39	9,435	339	0.10	ETF	2004-01-30	1.87	Financials
59	KRE	SPDR S&P Regional Banking ETF	50.28	2,950	14,366	0.35	ETF	2006-06-22	3.29	Financials
60	IYF	iShares U.S. Financials ETF	95.65	2,623	100	0.44	ETF	2000-05-31	1.48	Financials
61	FNCL	Fidelity MSCI Financials Index ETF	59.40	1,645	116	0.08	ETF	2013-10-24	1.72	Financials
62	KBWB	Invesco KBW Bank ETF	53.66	1,505	711	0.35	ETF	2011-11-01	3.17	Financials
63	KBE	SPDR S&P Bank ETF	47.10	1,491	3,729	0.35	ETF	2005-11-15	2.91	Financials
64	IYG	iShares U.S. Financial Services ETF	66.30	1,347	55	0.44	ETF	2000-06-21	1.49	Financials
65	FXO	First Trust Financial AlphaDEX Fund	47.52	869	69	0.62	ETF	2007-05-10	2.67	Financials
66	KIE	SPDR S&P Insurance ETF	52.07	756	819	0.35	ETF	2005-11-15	1.41	Financials
67	IAK	iShares U.S. Insurance ETF	117.39	651	39	0.44	ETF	2006-05-05	1.35	Financials
68	IAT	iShares U.S. Regional Banks ETF	43.38	651	208	0.44	ETF	2006-05-05	3.80	Financials
69	IAI	iShares U.S. Broker-Dealers & Securities Exchanges	116.01	481	35	0.44	ETF	2006-05-05	1.64	Financials
70	KBWD	Invesco KBW High Dividend Yield Financial ETF	15.49	379	134	2.02	ETF	2010-12-02	11.97	Financials
71	KCE	SPDR S&P Capital Markets ETF	110.55	326	71	0.35	ETF	2005-11-15	1.81	Financials
72	KBWP	Invesco KBW Property & Casualty ETF	107.75	324	48	0.35	ETF	2010-12-02	1.47	Financials
73	RSPF	Invesco S&P 500 Equal Weight Financials ETF	64.24	281	13	0.40	ETF	2006-11-07	2.00	Financials
74	DFNL	Davis Select Financial ETF	33.32	190	8	0.64	ETF	2017-01-12	2.15	Financials
75	FTXO	First Trust Nasdaq Bank ETF	27.14	115	32	0.60	ETF	2016-09-21	2.92	Financials
76	QABA	First Trust Nasdaq ABA Community Bank	46.54	81	35	0.60	ETF	2009-07-01	2.86	Financials
77	PFI	Invesco Dorsey Wright Financial Momentum ETF	49.71	57	7	0.70	ETF	2006-10-12	1.65	Financials
78	KBWR	Invesco KBW Regional Banking E	50.93	55	5	0.35	ETF	2011-11-01	3.26	Financials
79	PSCF	Invesco S&P SmallCap Financials ETF	48.41	20	1	0.29	ETF	2010-04-07	3.33	Financials
80	GABF	Gabelli Financial Services Opportunities ETF	37.11	13	3	0.90	ETF	2022-05-10	4.43	Financials
81	XLV	Health Care Select Sector SPDR Fund	147.73	41,112	7,857	0.09	ETF	1998-12-22	1.53	Health Care
82	VHT	Vanguard Health Care ETF	270.52	18,180	150	0.10	ETF	2004-01-30	1.32	Health Care
83	IHI	iShares U.S. Medical Devices ETF	58.59	5,760	1,266	0.44	ETF	2006-05-05	1.36	Health Care
84	IYH	iShares U.S. Healthcare ETF	61.90	3,520	130	0.44	ETF	2000-06-16	1.14	Health Care
85	FHLC	Fidelity MSCI Health Care Index ETF	69.77	3,148	270	0.08	ETF	2013-10-24	1.34	Health Care
86	FXH	First Trust Health Care AlphaDEX Fund	109.59	1,327	27	0.61	ETF	2007-05-10	0.29	Health Care
87	RSPH	Invesco S&P 500 Equal Weight Health Care ETF	31.79	1,025	67	0.40	ETF	2006-11-07	0.63	Health Care
88	IHF	iShares U.S. Healthcare Providers ETF	54.54	857	62	0.44	ETF	2006-05-05	0.81	Health Care
89	IHE	iShares U.S. Pharmaceuticals ETF	67.90	659	41	0.44	ETF	2006-05-05	1.36	Health Care
90	PJP	Invesco Pharmaceuticals ETF	80.16	287	31	0.56	ETF	2005-06-23	0.94	Health Care
91	XHE	SPDR S&P Health Care Equipment ETF	87.94	286	29	0.35	ETF	2011-01-27	0.03	Health Care
92	PSCH	Invesco S&P SmallCap Health Care ETF	43.74	223	19	0.29	ETF	2010-04-07	0.10	Health Care
93	XPH	SPDR S&P Pharmaceuticals ETF	43.13	216	43	0.35	ETF	2006-06-22	1.41	Health Care
94	PTH	Invesco Invesco DWA Healthcare Momentum ETF	43.96	151	16	0.68	ETF	2006-10-12	-	Health Care
95	PINK	Simplify Health Care ETF	30.92	136	108	0.50	ETF	2021-10-08	0.89	Health Care

U.S. SECTOR EQUITY										Grouped by sector and sorted by AUM
221	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
96	XHS	SPDR S&P Health Care Services ETF	94.83	85	8	0.35	ETF	2011-09-29	0.26	Health Care
97	BTEC	Principal Healthcare Innovators ETF	38.02	45	7	0.42	ETF	2016-08-19	-	Health Care
98	FTXH	First Trust Nasdaq Pharmaceuticals ETF	28.01	21	7	0.60	ETF	2016-09-21	1.38	Health Care
99	IBB	iShares Biotechnology ETF	137.22	7,632	1,713	0.47	ETF	2001-02-09	0.31	Health Care - Biotech
100	XBI	SPDR S&P Biotech ETF	94.89	7,592	10,931	0.35	ETF	2006-02-06	0.02	Health Care - Biotech
101	FBT	First Trust NYSE Arca Biotechnology Index Fund	153.77	1,170	20	0.55	ETF	2006-06-23	-	Health Care - Biotech
102	PBE	Invesco Biotechnology & Genome ETF	64.72	246	20	0.57	ETF	2005-06-23	0.06	Health Care - Biotech
103	SBIO	ALPS Medical Breakthroughs ETF	35.75	116	11	0.50	ETF	2014-12-30	0.21	Health Care - Biotech
104	IBBQ	Invesco Nasdaq Biotechnology ETF	22.18	29	29	0.19	ETF	2021-06-09	0.85	Health Care - Biotech
105	CNCR	Range Cancer Therapeutics ETF	16.62	29	74	0.79	ETF	2015-10-14	-	Health Care - Biotech
106	BBP	Virtus LifeSci Biotech Product ETF	56.61	20	4	0.79	ETF	2014-12-17	-	Health Care - Biotech
107	BBC	Virtus LifeSci Biotech Clinical Trials ETF	29.13	12	5	0.79	ETF	2014-12-17	0.30	Health Care - Biotech
108	VIRS	Pacer Biothreat ETF	36.20	4	0.1	0.70	ETF	2020-06-25	0.91	Health Care - Biotech
109	XLI	Industrial Select Sector SPDR Fund	125.96	18,135	8,860	0.09	ETF	1998-12-22	1.48	Industrials
110	ITA	iShares U.S. Aerospace & Defense ETF	131.93	6,088	377	0.44	ETF	2006-05-05	0.89	Industrials
111	VIS	Vanguard Industrials ETF	244.15	5,282	80	0.10	ETF	2004-09-29	1.25	Industrials
112	PPA	Invesco Aerospace & Defense ETF	101.57	3,029	146	0.58	ETF	2005-10-26	0.62	Industrials
113	XAR	SPDR S&P Aerospace & Defense ETF	140.51	2,118	67	0.35	ETF	2011-09-29	0.56	Industrials
114	FXR	First Trust Industrials/Producer Durables AlphaDEX	72.96	1,981	70	0.61	ETF	2007-05-10	0.66	Industrials
115	IYJ	iShares U.S. Industrials ETF	125.71	1,578	54	0.44	ETF	2000-07-14	0.94	Industrials
116	FIDU	Fidelity MSCI Industrials Index ETF	67.81	1,051	61	0.08	ETF	2013-10-24	1.30	Industrials
117	IYT	iShares U.S. Transportation ETF	70.40	989	432	0.44	ETF	2003-10-10	1.18	Industrials
118	AIRR	First Trust RBA American Industrial Renaissance	67.33	872	90	0.70	ETF	2014-03-11	0.17	Industrials
119	RSPN	Invesco S&P 500 Equal Weight Industrials ETF	47.71	708	60	0.40	ETF	2006-11-07	0.98	Industrials
120	PKB	Invesco Building & Construction ETF	74.86	304	22	0.57	ETF	2005-10-26	0.27	Industrials
121	PRN	Invesco Invesco DWA Industrials Momentum ET	139.55	214	11	0.63	ETF	2006-10-12	0.35	Industrials
122	PSCI	Invesco S&P SmallCap Industrials ETF	126.87	197	7	0.29	ETF	2010-04-07	0.69	Industrials
123	XTN	SPDR S&P Transportation ETF	84.77	196	13	0.35	ETF	2011-01-27	0.79	Industrials
124	MISL	First Trust Indxx Aerospace & Defense ETF	27.19	53	10	0.60	ETF	2022-10-26	0.70	Industrials
125	FTXR	First Trust Nasdaq Transportation ETF	32.21	40	4	0.60	ETF	2016-09-21	1.31	Industrials
126	RSHO	Tema American Reshoring ETF	35.92	19	9	0.75	ETF	2023-05-11	NA	Industrials
127	SUPP	TCW Transform Supply Chain ETF	66.01	16	1	0.75	ETF	2023-02-15	0.37	Industrials
128	GCAD	Gabelli Commercial Aerospace and Defense Fund	30.83	5	0.4	0.90	ETF	2023-01-04	0.88	Industrials
129	MAKX	Proshares S&P Kensho Smart Factories ETF	38.44	1	0.1	0.58	ETF	2021-09-30	0.56	Industrials
130	XLB	Materials Select Sector SPDR Fund	92.89	5,833	5,615	0.09	ETF	1998-12-22	1.85	Materials
131	VAW	Vanguard Materials ETF	204.43	3,027	49	0.10	ETF	2004-01-30	1.61	Materials
132	XME	SPDR S&P Metals & Mining ETF	60.28	1,862	2,766	0.35	ETF	2006-06-22	0.87	Materials
133	IYM	iShares U.S. Basic Materials ETF	147.73	628	13	0.44	ETF	2000-06-20	1.66	Materials
134	FMAT	Fidelity MSCI Materials Index ETF	52.37	529	30	0.08	ETF	2013-10-24	1.62	Materials
135	FXZ	First Trust Materials AlphaDEX Fund	71.34	439	40	0.62	ETF	2007-05-10	1.84	Materials
136	RSPM	Invesco S&P 500 Equal Weight Materials ETF	36.33	294	28	0.40	ETF	2006-11-07	1.91	Materials
137	PYZ	Invesco Invesco DWA Basic Materials Momentu	92.90	70	2	0.70	ETF	2006-10-12	1.14	Materials
138	PSCM	Invesco S&P SmallCap Materials ETF	76.78	16	2	0.29	ETF	2010-04-07	0.76	Materials
139	AMLP	Alerian MLP ETF	47.46	8,423	976	0.85	ETF	2010-08-25	7.22	MLPs
140	AMJ	JPMorgan Alerian MLP Index ETN	28.49	3,382	520	0.85	Note	2009-04-01	5.88	MLPs
141	MLPA	Global X MLP ETF	48.22	1,606	136	0.45	ETF	2012-04-19	7.05	MLPs
142	MLPX	Global X MLP & Energy Infrastructure ETF	48.99	1,085	99	0.45	ETF	2013-08-07	3.67	MLPs
143	AMZA	InfraCap MLP ETF	41.20	396	43	2.18	ETF	2014-10-02	7.11	MLPs
144	ATMP	iPath Select MLP ETN	24.13	344	88	0.95	Note	2013-03-12	5.07	MLPs
145	MLPB	ETRACS Alerian MLP Infr Index ETN Series B	24.15	246	40	0.85	Note	2015-10-08	5.83	MLPs
146	ENFR	Alerian Energy Infrastructure ETF	25.43	140	18	0.35	ETF	2013-11-01	5.09	MLPs
147	AMNA	ETRACS Alerian Midstream Energy Index ETN	42.47	85	0.0	0.75	Note	2020-06-22	5.28	MLPs
148	AMUB	ETRACS Alerian MLP Index ETN Series B	17.93	84	1	0.80	Note	2015-10-08	5.91	MLPs
149	AMTR	ETRACS Alerian Midstream Energy Index ETN	58.30	70	0.0	0.75	Note	2020-10-21	-	MLPs
150	AMND	ETRACS Alerian Midstream Energy High Div ETN	44.21	44	0.0	0.75	Note	2020-07-16	6.10	MLPs
151	EINC	VanEck Energy Income ETF	76.85	41	3	0.46	ETF	2012-03-13	3.49	MLPs
152	VNQ	Vanguard Real Estate ETF	86.48	34,015	4,271	0.12	ETF	2004-09-29	4.12	Real Estate
153	SCHH	Schwab U.S. REIT ETF	20.30	6,517	2,845	0.07	ETF	2011-01-13	3.35	Real Estate
154	XLRE	Real Estate Select Sector SPDR Fund	39.53	6,170	6,490	0.09	ETF	2015-10-08	3.48	Real Estate
155	IYR	iShares U.S. Real Estate ETF	89.90	4,230	6,328	0.44	ETF	2000-06-19	2.75	Real Estate
156	USRT	iShares Core U.S. REIT ETF	53.80	2,342	173	0.08	ETF	2007-05-04	3.26	Real Estate
157	ICF	iShares Cohen & Steers REIT ETF	57.70	2,103	119	0.34	ETF	2001-02-02	2.88	Real Estate
158	RWR	SPDR Dow Jones REIT ETF	94.25	1,419	496	0.25	ETF	2001-04-27	3.85	Real Estate
159	FREL	Fidelity MSCI Real Estate Index ETF	26.09	967	163	0.08	ETF	2015-02-05	3.62	Real Estate

U.S. SECTOR EQUITY										Grouped by sector and sorted by AUM
221	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
160	DFAR	Dimensional US Real Estate ETF	22.37	964	255	0.19	ETF	2022-02-24	3.15	Real Estate
161	BBRE	JPMorgan BetaBuilders MSCI US REIT ETF	88.48	818	13	0.11	ETF	2018-06-18	3.59	Real Estate
162	REZ	iShares Residential and Multisector Real Estate ETF	72.07	624	39	0.48	ETF	2007-05-04	3.00	Real Estate
163	REM	iShares Mortgage Real Estate ETF	23.24	619	302	0.48	ETF	2007-05-04	9.76	Real Estate
164	SRVR	Pacer Data & Infrastructure Real Estate ETF	28.65	469	85	0.55	ETF	2018-05-16	3.91	Real Estate
165	JPRE	JPMorgan Realty Income ETF	43.85	330	10	0.50	ETF	2022-05-23	3.19	Real Estate
166	MORT	VanEck Mortgage REIT Income ETF	11.69	269	293	0.41	ETF	2011-08-17	11.48	Real Estate
167	INDS	Pacer Industrial Real Estate ETF	39.75	220	27	0.55	ETF	2018-05-15	4.06	Real Estate
168	KBWY	Invesco KBW Premium Yield Equity REIT ETF	18.05	198	114	0.35	ETF	2010-12-02	9.09	Real Estate
169	ROOF	IQ CBRE NextGen Real Estate ETF	19.73	148	6	0.70	ETF	2011-06-14	2.82	Real Estate
170	PPTY	US Diversified Real Estate ETF	30.33	129	6	0.53	ETF	2018-03-27	4.21	Real Estate
171	FRI	First Trust S&P REIT Index Fund	25.99	121	24	0.50	ETF	2007-05-10	2.85	Real Estate
172	RSPR	Invesco S&P 500 Equal Weight Real Estate ETF	32.87	117	23	0.40	ETF	2015-08-13	3.58	Real Estate
173	PSR	Invesco Active US Real Estate Fund	88.15	71	3	0.35	ETF	2008-11-20	3.19	Real Estate
174	NETL	NETLease Corporate Real Estate ETF	23.74	61	9	0.60	ETF	2019-03-22	5.01	Real Estate
175	RIET	Hoya Capital High Dividend Yield ETF	10.45	60	62	0.50	ETF	2021-09-22	10.16	Real Estate
176	RINC	AXS Real Estate Income ETF	24.04	52	5	0.89	ETF	2023-08-28	NA	Real Estate
177	NURE	Nuveen Short-Term REIT ETF	30.60	47	6	0.35	ETF	2016-12-20	3.96	Real Estate
178	HOMZ	Hoya Capital Housing ETF	44.96	43	2	0.30	ETF	2019-03-20	1.93	Real Estate
179	BYRE	Principal Real Estate Active Opportunities ETF	23.59	9	1	0.65	ETF	2022-05-19	2.57	Real Estate
180	REAI	Tidal ETF Trust Intelligent Real Estate ETF	20.01	3	0.1	0.59	ETF	2023-06-06	NA	Real Estate
181	CRED	Columbia Research Enhanced Real Estate ETF	21.16	3	0.1	0.33	ETF	2023-04-26	3.49	Real Estate
182	JRE	Janus Henderson U.S. Real Estate ETF	22.42	3	2	0.65	ETF	2021-06-23	2.92	Real Estate
183	HAUS	Residential REIT ETF	16.63	2	0.4	0.60	ETF	2022-03-01	2.68	Real Estate
184	IRET	IREIT - Marketvector Quality REIT Index ETF	20.47	2	6	0.60	ETF	2024-03-04	NA	Real Estate
185	DESK	VanEck Office and Commercial REIT ETF	37.72	1	0	0.50	ETF	2023-09-19	NA	Real Estate
186	DVDN	Kingsbarn Dividend Opportunity ETF	29.27	1	0	0.90	ETF	2023-11-02	NA	Real Estate
187	FITE	SPDR S&P Kensho Future Security ETF	57.32	57	15	0.45	ETF	2017-12-27	0.17	Tech - Cybersecurity
188	WCLD	WisdomTree Cloud Computing Fund	34.82	651	195	0.45	ETF	2019-09-06	-	Tech - Software
189	XSW	SPDR S&P Software & Services ETF	155.99	391	15	0.35	ETF	2011-09-29	0.09	Tech - Software
190	WFH	Direxion Work From Home ETF	56.60	28	2	0.45	ETF	2020-06-25	0.72	Tech - Software
191	TIME	Clockwise Core Equity & Innovation ETF	25.65	21	6	1.00	ETF	2022-01-28	NA	Tech - Software
192	VGT	Vanguard Information Technology ETF	524.34	66,003	375	0.10	ETF	2004-01-30	0.70	Technology
193	XLK	Technology Select Sector SPDR Fund	208.27	65,350	6,840	0.09	ETF	1998-12-22	0.72	Technology
194	IYW	iShares U.S. Technology ETF	135.06	16,461	1,074	0.44	ETF	2000-05-19	0.35	Technology
195	FTEC	Fidelity MSCI Information Technology Index ETF	155.84	9,665	293	0.08	ETF	2013-10-24	0.72	Technology
196	QTEC	First Trust NASDAQ-100 Technology Index Fund	190.68	4,006	127	0.60	ETF	2006-04-25	0.07	Technology
197	RSPT	Invesco S&P 500 Equal Weight Technology ETF	35.19	3,968	471	0.40	ETF	2006-11-07	0.51	Technology
198	FXL	First Trust Technology AlphaDEX Fund	134.82	1,369	29	0.61	ETF	2007-05-10	0.33	Technology
199	XNTK	SPDR NYSE Technology ETF	182.39	815	15	0.35	ETF	2000-09-29	0.33	Technology
200	PTF	Invesco Invesco DWA Technology Momentum ETF	57.38	398	23	0.69	ETF	2006-10-12	0.06	Technology
201	PSCT	Invesco S&P SmallCap Information Technology ETF	46.40	322	20	0.29	ETF	2010-04-07	0.04	Technology
202	TDV	ProShares S&P Tech Dividend Aristocrats ETF	71.99	283	19	0.45	ETF	2019-11-07	1.16	Technology
203	IETC	iShares U.S. Tech Independence Focused ETF	70.80	234	44	0.18	ETF	2018-03-21	0.62	Technology
204	MAGS	Roundhill Magnificent Seven ETF	39.15	231	187	0.29	ETF	2023-04-10	0.38	Technology
205	XITK	SPDR FactSet Innovative Technology ETF	149.33	103	3	0.45	ETF	2016-01-14	0.08	Technology
206	XPND	First Trust Expanded Technology ETF	26.54	19	9	0.65	ETF	2021-06-15	0.10	Technology
207	SOXX	iShares Semiconductor ETF	225.92	12,706	3,669	0.48	ETF	2001-07-13	0.61	Tech-Semiconductor
208	XSD	SPDR S&P Semiconductor ETF	232.10	1,487	43	0.35	ETF	2006-02-06	0.25	Tech-Semiconductor
209	FTXL	First Trust Nasdaq Semiconductor ETF	90.54	1,436	248	0.60	ETF	2016-09-21	0.53	Tech-Semiconductor
210	PSI	Invesco Semiconductors ETF	56.43	805	93	0.55	ETF	2005-06-23	0.24	Tech-Semiconductor
211	SOXQ	Invesco PHLX Semiconductor ETF	38.59	372	328	0.19	ETF	2021-06-09	0.72	Tech-Semiconductor
212	SHOC	Strive US Semiconductor ETF	44.67	62	14	0.40	ETF	2022-10-05	0.56	Tech-Semiconductor
213	XLU	Utilities Select Sector SPDR Fund	65.65	12,321	14,782	0.09	ETF	1998-12-22	3.33	Utilities
214	VPU	Vanguard Utilities ETF	142.58	5,138	193	0.10	ETF	2004-01-30	3.34	Utilities
215	FUTY	Fidelity MSCI Utilities Index ETF	42.42	1,145	162	0.08	ETF	2013-10-24	3.27	Utilities
216	IDU	iShares U.S. Utilities ETF	84.52	884	39	0.44	ETF	2000-06-20	2.57	Utilities
217	RSPU	Invesco S&P 500 Equal Weight Utilities ETF	56.59	250	23	0.40	ETF	2006-11-07	2.89	Utilities
218	FXU	First Trust Utilities AlphaDEX Fund	32.46	226	53	0.64	ETF	2007-05-10	2.58	Utilities
219	UTES	Virtus Reaves Utilities ETF	48.55	56	4	0.49	ETF	2015-09-24	2.32	Utilities
220	PUI	Invesco Invesco DWA Utilities Momentum ETF	33.67	38	2	0.81	ETF	2005-10-26	2.38	Utilities
221	PSCU	Invesco S&P SmallCap Utilities & Communications	51.47	15	2	0.29	ETF	2010-04-07	1.59	Utilities

GLOBAL EQUITY										Grouped by strategy and sorted by AUM
87	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	VT	Vanguard Total World Stock ETF	110.50	35,922	1,716	0.07	ETF	2008-06-26	2.08	Cap-Weighted
2	ACWI	iShares MSCI ACWI ETF	110.13	19,579	2,395	0.31	ETF	2008-03-28	1.76	Cap-Weighted
3	IOO	iShares Global 100 ETF	89.41	5,209	102	0.40	ETF	2000-12-08	1.35	Cap-Weighted
4	URTH	iShares MSCI World ETF	144.91	3,417	208	0.24	ETF	2012-01-12	1.22	Cap-Weighted
5	SPGM	SPDR Portfolio MSCI Global Stock Market ETF	59.68	775	37	0.09	ETF	2012-02-28	1.96	Cap-Weighted
6	KOKU	Xtrackers MSCI Kokusai Equity ETF	92.83	574	2	0.09	ETF	2020-04-08	1.02	Cap-Weighted
7	GINN	Goldman Sachs Innovate Equity ETF	56.13	357	9	0.52	ETF	2020-11-09	0.96	Cap-Weighted
8	TOK	iShares MSCI Kokusai ETF	107.47	210	2	0.26	ETF	2007-12-12	1.81	Cap-Weighted
9	FDVV	Fidelity High Dividend ETF	45.31	2,516	263	0.15	ETF	2016-09-15	3.26	Dividend/Income
10	GCOV	Pacer Global Cash Cows Dividend ETF	34.70	1,946	269	0.60	ETF	2016-02-23	5.77	Dividend/Income
11	SDIV	Global X SuperDividend ETF	21.65	758	228	0.58	ETF	2011-06-09	11.88	Dividend/Income
12	FGD	First Trust DJ Global Select Dividend Index Fund	22.77	553	96	0.56	ETF	2007-11-27	5.96	Dividend/Income
13	FDRR	Fidelity Dividend ETF for Rising Rates	46.55	533	16	0.15	ETF	2016-09-15	2.63	Dividend/Income
14	TDVG	T Rowe Price Dividend Growth ETF	38.00	405	38	0.50	ETF	2020-08-05	1.26	Dividend/Income
15	CGDG	Capital Group Dividend Growers ETF	28.63	245	96	0.47	ETF	2023-09-28	NA	Dividend/Income
16	WDIV	SPDR S&P Global Dividend ETF	59.98	201	10	0.40	ETF	2013-05-30	4.81	Dividend/Income
17	TEQI	T Rowe Price Equity Income ETF	39.64	158	14	0.54	ETF	2020-08-05	1.97	Dividend/Income
18	DEW	WisdomTree Global High Dividend Fund	50.86	109	6	0.58	ETF	2006-06-16	4.30	Dividend/Income
19	AGQI	First Trust Active Global Quality Income ETF	13.92	74	26	0.85	ETF	2015-09-24	0.53	Dividend/Income
20	ICAP	InfraCap Equity Income Fund ETF	25.05	53	9	0.80	ETF	2021-12-29	8.78	Dividend/Income
21	WBIG	WBI BullBear Yield 3000 ETF	25.48	50	4	1.02	ETF	2014-08-27	1.51	Dividend/Income
22	GDVD	R3 Global Dividend Growth ETF	24.18	25	2	0.88	ETF	2022-03-31	2.80	Dividend/Income
23	NDVG	Nuveen Dividend Growth ETF	29.61	11	0.1	0.65	ETF	2021-08-05	1.20	Dividend/Income
24	DIVD	Altrius Global Dividend ETF	33.55	7	0.5	0.49	ETF	2022-09-29	2.92	Dividend/Income
25	SCAP	InfraCap Small Cap Income ETF	33.84	3	5	0.80	ETF	2023-12-12	NA	Dividend/Income
26	CGGR	Capital Group Growth ETF	31.99	5,228	1,121	0.39	ETF	2022-02-24	0.36	Factor: Growth
27	CGGO	Capital Group Global Growth Equity ETF	28.80	3,232	626	0.47	ETF	2022-02-24	0.68	Factor: Growth
28	FBCG	Fidelity Blue Chip Growth ETF	38.47	1,441	338	0.59	ETF	2020-06-04	0.02	Factor: Growth
29	TCHP	T Rowe Price Blue Chip Growth ETF	35.30	554	75	0.57	ETF	2020-08-05	-	Factor: Growth
30	CARK	CastleArk Large Growth ETF	36.27	339	21	0.54	ETF	2023-12-06	NA	Factor: Growth
31	CACG	ClearBridge All Cap Growth ESG ETF	52.08	125	5	0.53	ETF	2017-05-03	0.31	Factor: Growth
32	PCGG	Polen Capital Global Growth ETF	11.32	85	70	0.85	ETF	2023-08-30	NA	Factor: Growth
33	MOHR	Mohr Growth ETF	21.96	82	10	1.03	ETF	2021-11-03	0.06	Factor: Growth
34	PJFG	PGIM Jennison Focused Growth ETF	82.29	81	4	0.75	ETF	2022-12-14	-	Factor: Growth
35	TGRW	T Rowe Price Growth Stock ETF	34.39	74	8	0.52	ETF	2020-08-05	0.01	Factor: Growth
36	FFOG	Franklin Focused Growth ETF	33.94	68	9	0.55	ETF	2016-04-13	-	Factor: Growth
37	ATFV	Alger 35 ETF	20.21	17	2	0.55	ETF	2021-05-04	0.01	Factor: Growth
38	TRND	Pacer Trendpilot Fund of Funds ETF	31.58	52	4	0.15	ETF	2019-05-03	2.39	Factor: Momentum
39	GLOV	GS Activebeta World Low Vol Plus Equity	46.94	868	44	0.25	ETF	2022-03-17	1.90	Factor: Multi-Factor
40	GLOF	iShares Global Equity Factor ETF	41.32	124	21	0.36	ETF	2015-04-30	2.33	Factor: Multi-Factor
41	QWLD	SPDR MSCI World StrategicFactors ETF	119.92	114	9	0.30	ETF	2014-06-05	1.65	Factor: Multi-Factor
42	HERD	Pacer Cash Cows Fund of Funds ETF	39.29	98	9	0.15	ETF	2019-05-03	2.54	Factor: Multi-Factor
43	FFTY	Innovator ETFs Trust - Innovator IBD R 50 ETF	27.64	95	79	0.80	ETF	2015-04-09	0.57	Factor: Multi-Factor
44	FMAG	Fidelity Magellan ETF	28.07	84	36	0.59	ETF	2021-02-04	0.19	Factor: Multi-Factor
45	AZTD	Aztlan Global Stock Selection DM SMID ETF	21.60	41	7	0.75	ETF	2022-08-18	0.13	Factor: Multi-Factor
46	WLDR	Affinity World Leaders Equity ETF	31.22	33	10	0.67	ETF	2018-01-12	2.02	Factor: Multi-Factor
47	VMOT	Alpha Architect Value Momentum Trend ETF	25.72	28	4	1.38	ETF	2017-05-03	3.78	Factor: Multi-Factor
48	WBIL	WBI BullBear Quality 3000 ETF	34.65	44	2	1.02	ETF	2014-08-27	0.03	Factor: Quality
49	EAGL	Eagle Capital Select Equity ETF	25.23	1,797	NA	0.80	ETF	2024-03-25	NA	Factor: Value
50	FBCV	Fidelity Blue Chip Value ETF	31.21	126	9	0.59	ETF	2020-06-04	1.26	Factor: Value
51	GVAL	Cambria Global Value ETF	21.40	117	6	0.68	ETF	2014-03-12	5.46	Factor: Value
52	CGV	Conductor Global Equity Value ETF	13.28	105	41	1.25	ETF	2022-08-01	0.45	Factor: Value
53	AVGV	Avantis All Equity Markets Value ETF	60.42	66	11	0.26	ETF	2023-06-29	NA	Factor: Value
54	CAMX	Cambiar Aggressive Value ETF	29.26	58	2	0.59	ETF	2023-02-13	0.50	Factor: Value
55	MVPA	Miller Value Partners Appreciation ETF	32.42	53	16	0.60	ETF	2024-01-30	NA	Factor: Value
56	WBIF	WBI BullBear Value 3000 ETF	30.65	39	2	1.64	ETF	2014-08-27	0.79	Factor: Value
57	PJFV	PGIM Jennison Focused Value ETF	65.26	14	0.0	0.75	ETF	2022-12-14	1.06	Factor: Value
58	FFLV	Fidelity Fundamental Large Cap Value ETF	21.35	1	3	0.38	ETF	2024-02-26	NA	Factor: Value
59	DGT	SPDR Global Dow ETF	128.49	199	7	0.50	ETF	2000-09-29	2.41	Other
60	MOTG	VanEck Morningstar Global Wide Moat ETF	36.65	18	1	0.52	ETF	2018-10-31	1.80	Other
61	WRND	IQ Global Equity R&D Leaders ETF	28.68	6	0.1	0.18	ETF	2022-02-08	1.52	Other
62	JGLO	JPMorgan Global Select Equity ETF	57.41	2,300	328	0.47	ETF	2023-09-13	NA	Other: Actively Managed
63	SYLD	Cambria Shareholder Yield ETF	73.27	1,564	95	0.59	ETF	2013-05-14	1.72	Other: Actively Managed
64	EQTY	Kovitz Core Equity ETF	21.94	1,068	35	0.99	ETF	2022-12-12	0.24	Other: Actively Managed

GLOBAL EQUITY										Grouped by strategy and sorted by AUM
87	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
65	CCMG	CCM Global Equity ETF	27.44	863	23	0.34	ETF	2024-01-17	NA	Other: Actively Managed
66	INFL	Horizons Kinetics Inflation Beneficiaries ETF	32.56	641	289	0.85	ETF	2021-01-12	1.78	Other: Actively Managed
67	TMFG	Motley Fool Global Opportunities ETF	30.31	451	18	0.50	ETF	2021-12-10	5.02	Other: Actively Managed
68	AVGE	Avantis All Equity Markets ETF	69.82	339	27	0.23	ETF	2022-09-29	1.81	Other: Actively Managed
69	DFAW	Dimensional World Equity ETF	59.13	328	60	0.25	ETF	2023-09-27	NA	Other: Actively Managed
70	DWLD	Davis Select Worldwide ETF	32.49	295	11	0.63	ETF	2017-01-12	1.11	Other: Actively Managed
71	XCOR	Fundx ETF	61.47	154	3	1.27	ETF	2022-10-17	0.87	Other: Actively Managed
72	KLDW	Knowledge Leaders Developed World ETF	44.71	136	4	0.75	ETF	2015-07-08	1.27	Other: Actively Managed
73	RFDI	First Trust RiverFront Dynamic DM	64.27	129	3	0.83	ETF	2016-04-14	2.74	Other: Actively Managed
74	SQEW	LeaderShares Equity Skew ETF	32.82	127	10	0.83	ETF	2020-05-12	1.15	Other: Actively Managed
75	VSLU	Applied Finance Valuation ETF	32.59	109	17	0.49	ETF	2021-04-30	0.55	Other: Actively Managed
76	FPAG	FPA Global Equity ETF	28.87	92	41	0.49	ETF	2021-12-17	1.50	Other: Actively Managed
77	DWAW	AdvisorShares DWA FSM All Cap World ETF	37.03	77	1	1.14	ETF	2019-12-27	1.57	Other: Actively Managed
78	RAYD	Rayliant Quantitative Developed Market Equity ETF	27.90	64	4	0.80	ETF	2021-12-15	1.47	Other: Actively Managed
79	RSEE	Rareview Systematic Equity ETF	27.81	48	9	1.27	ETF	2022-01-21	0.79	Other: Actively Managed
80	SAGP	Strategas Global Policy Opportunities ETF	27.60	38	6	0.65	ETF	2022-01-24	0.90	Other: Actively Managed
81	SMCP	Alphamark Actively Managed Small Cap ETF	31.57	33	2	1.21	ETF	2015-04-21	0.76	Other: Actively Managed
82	KONG	Formidable Fortress ETF	27.70	27	6	0.89	ETF	2021-07-22	0.66	Other: Actively Managed
83	XNAV	Fundx Aggressive ETF	63.71	26	0.3	1.30	ETF	2022-10-17	1.09	Other: Actively Managed
84	PJFM	PGIM Jennison Focused Mid-Cap ETF	54.05	11	0	0.49	ETF	2023-12-14	NA	Other: Actively Managed
85	GHEE	Goose Hollow Enhanced Equity ETF	25.46	3	0	1.28	ETF	2023-11-20	NA	Other: Actively Managed
86	ACVV	iShares MSCI Global Min Vol Factor ETF	105.27	4,315	154	0.32	ETF	2011-10-20	2.32	Risk
87	HDMV	First Trust Horizons Managed Volatility DM	29.27	34	3	0.80	ETF	2016-08-25	2.95	Risk

GLOBAL SECTOR EQUITY										Grouped by sector and sorted by AUM
164	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
1	ESPO	VanEck Video Gaming and eSports ETF	62.52	254	14	0.56	ETF	2018-10-16	0.88	Communication - Gaming
2	HERO	Global X Video Games & Esports ETF	20.70	131	19	0.50	ETF	2019-10-25	0.73	Communication - Gaming
3	GAMR	Amplify Video Game Tech ETF	58.24	41	2	0.75	ETF	2016-03-09	0.05	Communication - Gaming
4	NERD	Roundhill Video Games ETF	15.50	19	4	0.50	ETF	2019-06-04	1.10	Communication - Gaming
5	BNGE	First Trust S-Network Streaming and Gaming ETF	25.23	5	1	0.70	ETF	2022-01-26	0.76	Communication - Gaming
6	FIVG	Defiance Next Gen Connectivity ETF	39.08	580	49	0.30	ETF	2019-03-04	1.29	Communication Services
7	NXTG	First Trust Indxx NextG ETF	79.26	392	8	0.70	ETF	2011-02-18	2.10	Communication Services
8	IXP	iShares Global Comm Services ETF	84.14	274	16	0.48	ETF	2001-11-16	1.10	Communication Services
9	SOCL	Global X Social Media ETF	40.28	163	10	0.65	ETF	2011-11-15	0.61	Communication Services
10	OGIG	ALPS O'Shares Global Internet Giants ETF	38.33	146	18	0.48	ETF	2018-06-05	-	Communication Services
11	FDCF	Fidelity Disruptive Communications ETF	31.79	45	3	0.50	ETF	2023-06-12	NA	Communication Services
12	UFO	Procore Space ETF	17.02	35	7	0.75	ETF	2019-04-11	1.80	Communication Services
13	WUGI	AXS Esoterica NEXTG Economy ETF	61.92	31	5	0.75	ETF	2020-03-30	-	Communication Services
14	MUSQ	MUSQ Global Music Industry ETF	25.49	20	4	0.78	ETF	2023-07-07	NA	Communication Services
15	ONLN	Proshares Online Retail ETF	39.29	100	19	0.58	ETF	2018-07-16	0.12	Consumer - Ecommerce
16	EBIZ	Global X E-Commerce ETF	23.88	79	7	0.50	ETF	2018-11-29	-	Consumer - Ecommerce
17	FMQQ	FMQQ The Next Frontier Internet & Ecommerce	12.07	25	11	0.86	ETF	2021-09-20	0.10	Consumer - Ecommerce
18	BUYZ	Franklin Disruptive Commerce ETF	32.30	11	8	0.50	ETF	2020-02-27	-	Consumer - Ecommerce
19	ISHP	First Trust S-Network E-Commer	29.85	4	0.3	0.60	ETF	2016-09-21	1.52	Consumer - Ecommerce
20	RXI	iShares Global Consumer Discretionary ETF	167.88	269	2	0.48	ETF	2006-09-21	0.97	Consumer Discretionary
21	BETZ	Roundhill Sports Betting & iGaming ETF	17.85	93	16	0.75	ETF	2020-06-04	-	Consumer Discretionary
22	AWAY	Amplify Travel Tech ETF	20.47	89	17	0.75	ETF	2020-02-13	0.12	Consumer Discretionary
23	BJK	VanEck Gaming ETF	42.90	45	4	0.72	ETF	2008-01-24	-	Consumer Discretionary
24	CRUZ	Defiance Hotel Airline and Cruise ETF	22.72	36	9	0.45	ETF	2021-06-04	1.08	Consumer Discretionary
25	LUX	Tema Luxury ETF	25.68	8	1	0.75	ETF	2023-05-11	NA	Consumer Discretionary
26	JRNY	ALPS Global Travel Beneficiaries ETF	25.81	6	0.3	0.65	ETF	2021-09-09	0.43	Consumer Discretionary
27	NBCC	Neuberger Berman Next Gen Connected Consumer	23.39	6	0.4	0.56	ETF	2022-04-06	0.54	Consumer Discretionary
28	KLXY	Kraneshares Global Luxury Index ETF	26.79	3	0	0.69	ETF	2023-09-07	NA	Consumer Discretionary
29	LUXX	Roundhill S&P Global Luxury ETF	26.56	1	2	0.45	ETF	2023-08-23	NA	Consumer Discretionary
30	ODDS	Pacer BlueStar Digital Entertainment ETF	21.73	1	0.3	0.63	ETF	2022-04-11	0.37	Consumer Discretionary
31	KXI	iShares Global Consumer Staples ETF	61.03	870	40	0.48	ETF	2006-09-21	2.94	Consumer Staples
32	IXC	iShares Global Energy ETF	42.95	3,360	564	0.48	ETF	2001-11-16	3.07	Energy
33	EIPX	FT Energy Income Partners Strategy ETF	23.05	283	25	0.95	ETF	2022-11-03	3.17	Energy
34	FILL	iShares MSCI Global Energy Producers ETF	26.52	104	13	0.39	ETF	2012-02-02	3.71	Energy
35	CRAK	VanEck Oil Refiners ETF	38.35	48	13	0.61	ETF	2015-08-19	3.21	Energy
36	OFOS	Range Global Offshore Oil Services Index ETF	28.72	9	2	0.85	ETF	2024-01-11	NA	Energy
37	COAL	Range Global Coal Index ETF	22.91	4	11	0.85	ETF	2024-01-11	NA	Energy

GLOBAL SECTOR EQUITY										Grouped by sector and sorted by AUM
164	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
38	LNGG	Roundhill Alerian LNG ETF	24.89	1	0	0.65	ETF	2023-09-19	NA	Energy
39	LNGZ	Range Global LNG Ecosystem Index ETF	26.31	0.3	0	0.85	ETF	2024-01-11	NA	Energy
40	IXG	iShares Global Financials ETF	86.64	403	9	0.48	ETF	2001-11-16	2.40	Financials
41	FDFE	Fidelity Disruptive Finance ETF	32.22	47	3	0.50	ETF	2023-06-12	NA	Financials
42	GSIB	Themes Global Systemically Important Banks ETF	27.64	1	1	0.35	ETF	2023-12-14	NA	Financials
43	IXJ	iShares Global Healthcare ETF	93.15	4,110	149	0.48	ETF	2001-11-16	1.32	Health Care
44	PPH	VanEck Pharmaceutical ETF	90.70	557	143	0.36	ETF	2011-12-21	1.77	Health Care
45	HTEC	ROBO Global R Healthcare Tech and Innovation ETF	28.43	65	12	0.68	ETF	2019-06-25	-	Health Care
46	HRTS	Tema Cardiovascular and Metabolic ETF	34.18	60	34	0.75	ETF	2023-11-21	NA	Health Care
47	AGNG	Global X Aging Population ETF	30.11	59	9	0.50	ETF	2016-05-10	0.93	Health Care
48	GDOC	Goldman Sachs Future Health Care Equity ETF	34.84	26	0.3	0.75	ETF	2021-11-11	0.52	Health Care
49	MNTL	Tema Neuroscience and Mental Health ETF	26.14	11	0	0.75	ETF	2024-01-22	NA	Health Care
50	MEDI	Harbor Health Care ETF	27.15	10	4	0.80	ETF	2022-11-17	1.75	Health Care
51	FDHT	Fidelity Digital Health ETF	19.45	10	3	0.39	ETF	2021-10-07	0.04	Health Care
52	JDOC	JPMorgan Healthcare Leaders ETF	58.55	9	1	0.65	ETF	2023-11-01	NA	Health Care
53	BMED	BlackRock Future Health ETF	26.37	4	2	0.85	ETF	2020-10-01	0.03	Health Care
54	IBRN	iShares Neuroscience And Healthcare ETF	25.57	4	1	0.47	ETF	2022-08-26	0.06	Health Care
55	MDEV	First Trust Indxx Medical Devices ETF	21.39	3	2	0.70	ETF	2021-06-23	-	Health Care
56	EKG	First Trust Nasdaq Lux Digital Health Solutions ETF	16.97	3	2	0.65	ETF	2022-03-23	-	Health Care
57	LGHT	Langar Global Healthtech ETF	10.71	2	1	0.85	ETF	2024-01-09	NA	Health Care
58	ARKG	ARK Genomic Revolution ETF	28.76	1,610	2,085	0.75	ETF	2014-10-31	-	Health Care - Biotech
59	BBH	VanEck Biotech ETF	166.33	448	6	0.35	ETF	2011-12-21	0.44	Health Care - Biotech
60	IDNA	iShares Genomics Immunology and Healthcare ETF	24.08	141	53	0.47	ETF	2019-06-13	1.03	Health Care - Biotech
61	SURI	Simplify Propel Opportunities ETF	25.50	118	48	2.51	ETF	2023-02-08	11.15	Health Care - Biotech
62	GNOM	Global X Genomics & Biotechnology ETF	11.38	104	109	0.50	ETF	2019-04-09	-	Health Care - Biotech
63	FMED	Fidelity Disruptive Medicine ETF	25.52	54	5	0.50	ETF	2023-06-12	NA	Health Care - Biotech
64	EDOC	Global X Telemedicine & Digital Health ETF	9.51	52	69	0.68	ETF	2020-07-30	-	Health Care - Biotech
65	CANC	Tema Oncology ETF	28.12	19	1	0.75	ETF	2023-08-14	NA	Health Care - Biotech
66	MEDX	Horizons Kinetics Medical ETF	29.75	18	1	0.85	ETF	2023-01-30	5.54	Health Care - Biotech
67	GERM	Amplify Treatments Testing & Advancements ETF	18.41	11	2	0.68	ETF	2020-06-17	1.15	Health Care - Biotech
68	HELX	Franklin Genomic Advancements ETF	32.76	10	1	0.50	ETF	2020-02-27	-	Health Care - Biotech
69	HART	Indexiq ETF Trust-IQ Healthy Hearts ETF	30.12	9	0.5	0.45	ETF	2021-01-14	1.17	Health Care - Biotech
70	SYNB	Putnam BioRevolution ETF	31.03	5	0.2	0.70	ETF	2022-09-29	0.07	Health Care - Biotech
71	WDNA	Wisdomtree BioRevolution Fund	17.18	3	2	0.45	ETF	2021-06-03	0.81	Health Care - Biotech
72	JETS	US Global Jets ETF	21.01	1,351	2,704	0.60	ETF	2015-04-30	-	Industrials
73	EXI	iShares Global Industrials ETF	139.69	571	12	0.48	ETF	2006-09-21	1.70	Industrials
74	BOAT	Sonicshares Global Shipping ETF	30.00	43	19	0.69	ETF	2021-08-04	13.48	Industrials
75	SHLD	Global X Defense Tech ETF	33.20	39	36	0.50	ETF	2023-09-13	NA	Industrials
76	MOTO	SmartETFs Smart Transportation & Technology ETF	43.74	11	1	0.68	ETF	2019-11-15	2.62	Industrials
77	SEA	US Global Sea to Sky Cargo ETF	15.09	6	4	0.60	ETF	2022-01-20	9.87	Industrials
78	SUPL	Proshares Supply Chain Logistics ETF	40.51	2	0.1	0.58	ETF	2022-04-07	4.78	Industrials
79	SHPP	Pacer Industrials and Logistics ETF	27.97	1	0.2	0.60	ETF	2022-06-08	2.67	Industrials
80	AIRL	Themes Airlines ETF	26.60	1	0	0.35	ETF	2023-12-07	NA	Industrials
81	GDJ	VanEck Gold Miners ETF/USA	31.62	13,471	27,735	0.51	ETF	2006-05-22	1.54	Materials
82	GDJX	VanEck Junior Gold Miners ETF	38.74	4,570	7,357	0.52	ETF	2009-11-11	0.69	Materials
83	URA	Global X Uranium ETF	28.83	2,924	2,953	0.69	ETF	2010-11-05	5.57	Materials
84	COPX	Global X Copper Miners ETF	42.43	1,893	1,848	0.65	ETF	2010-04-20	2.07	Materials
85	LIT	Global X Lithium & Battery Tech ETF	45.29	1,643	368	0.75	ETF	2010-07-23	1.25	Materials
86	URNM	Sprott Uranium Miners ETF	49.29	1,579	505	0.85	ETF	2019-12-04	3.34	Materials
87	PICK	iShares MSCI Global Metals & Mining Producers ETF	41.70	1,127	156	0.39	ETF	2012-02-02	4.29	Materials
88	SIL	Global X Silver Miners ETF	27.46	882	426	0.65	ETF	2010-04-20	0.59	Materials
89	SILJ	Amplify Junior Silver Miners ETF	9.93	720	1,735	0.69	ETF	2012-11-29	0.01	Materials
90	RING	iShares MSCI Global Gold Miners ETF	25.29	442	124	0.39	ETF	2012-02-02	1.90	Materials
91	URNJ	Sprott Junior Uranium Miners ETF	25.43	341	184	0.80	ETF	2023-02-01	3.53	Materials
92	REMX	VanEck Rare Earth/Strategic Metals ETF	51.36	337	95	0.54	ETF	2010-10-28	-	Materials
93	MXI	iShares Global Materials ETF	89.43	260	7	0.48	ETF	2006-09-21	2.86	Materials
94	SGDM	Sprott Gold Miners ETF	25.34	228	41	0.54	ETF	2014-07-15	1.35	Materials
95	SLVP	iShares MSCI Global Silver and Metals Miners ETF	10.16	174	125	0.39	ETF	2012-02-02	0.84	Materials
96	SLX	VanEck Steel ETF	72.62	112	13	0.56	ETF	2006-10-16	2.87	Materials
97	SGDJ	Sprott Junior Gold Miners ETF	31.42	109	32	0.54	ETF	2015-03-31	4.18	Materials
98	GOAU	US Global GO Gold & Precious Metal Miners ETF	17.82	91	28	0.60	ETF	2017-06-28	0.93	Materials
99	BATT	Amplify Lithium & Battery Technology ETF	9.45	90	38	0.59	ETF	2018-06-06	3.62	Materials
100	GOEX	Global X Gold Explorers ETF	26.37	36	6	0.65	ETF	2010-11-04	0.04	Materials
101	COPP	Sprott Copper Miners ETF	23.31	12	37	0.65	ETF	2024-03-05	NA	Materials

GLOBAL SECTOR EQUITY										Grouped by sector and sorted by AUM
164	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
102	COJP	Sprott Junior Copper Miners ETF	21.17	8	10	0.75	ETF	2023-02-01	2.13	Materials
103	ICOP	iShares Copper and Metals Mining ETF	28.45	7	10	0.47	ETF	2023-06-21	NA	Materials
104	EV	Mast Global Battery Recycling & Production ETF	23.98	7	1	0.65	ETF	2023-12-20	NA	Materials
105	DMAT	Global X Funds-Global X Disruptive Materials ETF	15.03	6	4	0.59	ETF	2021-01-26	1.82	Materials
106	LITP	Sprott Lithium Miners ETF	9.99	6	12	0.65	ETF	2023-02-01	3.58	Materials
107	WBAT	WisdomTree Battery Value Chain and Innovation	28.60	4	1	0.45	ETF	2022-02-17	2.55	Materials
108	NIKL	Sprott Nickel Miners ETF	12.76	4	7	0.75	ETF	2023-03-22	21.91	Materials
109	ILIT	iShares Lithium Miners and Producers ETF	13.65	3	6	0.47	ETF	2023-06-21	NA	Materials
110	ION	Proshares S&P Global Core Battery Metals ETF	29.93	2	0.3	0.58	ETF	2022-12-01	2.47	Materials
111	CRIT	Optica Rare Earth & Critical Materials ETF	18.66	2	1	0.85	ETF	2022-03-29	2.70	Materials
112	TINT	Proshares Smart Materials ETF	33.79	2	0.0	0.58	ETF	2021-10-27	0.87	Materials
113	AUMI	Themes Gold Miners ETF	29.61	1	3	0.35	ETF	2023-12-12	NA	Materials
114	REET	iShares Global REIT ETF	23.68	3,617	824	0.14	ETF	2014-07-10	3.35	Real Estate
115	DFGR	Dimensional Global Real Estate ETF	25.53	1,612	264	0.24	ETF	2022-12-07	2.80	Real Estate
116	RWO	SPDR Dow Jones Global Real Estate ETF	42.82	1,209	132	0.50	ETF	2008-05-13	3.66	Real Estate
117	AVRE	Avantis Real Estate ETF	42.28	439	53	0.17	ETF	2021-09-30	3.52	Real Estate
118	VGSR	Vert Global Sustainable Real Estate ETF	9.80	352	72	0.45	ETF	2023-12-04	NA	Real Estate
119	GQRE	FlexShares Global Quality Real Estate Index Fund	56.81	312	10	0.45	ETF	2013-11-06	1.91	Real Estate
120	SRET	Global X SuperDividend REIT ETF	20.44	218	26	0.58	ETF	2015-03-16	7.92	Real Estate
121	REIT	ALPS Active REIT ETF	25.81	25	6	0.68	ETF	2021-02-25	3.57	Real Estate
122	BLDG	Cambria Global Real Estate ETF	24.55	23	2	0.59	ETF	2020-09-24	6.26	Real Estate
123	GREI	Goldman Sachs Future Real Estate And Infr Equity	33.58	19	1	0.75	ETF	2021-11-11	2.29	Real Estate
124	DTRE	First Trust Alerian Disruptive Tech Real Estate ETF	41.34	18	1	0.60	ETF	2007-08-30	2.23	Real Estate
125	PRO	Fidelity Real Estate Investment ETF	21.09	13	2	0.59	ETF	2021-02-04	2.93	Real Estate
126	RDOG	ALPS REIT Dividend Dogs ETF	36.81	12	1	0.35	ETF	2008-05-09	7.37	Real Estate
127	ERET	iShares Environmentally Aware Real Estate ETF	25.63	9	4	0.30	ETF	2022-11-17	2.15	Real Estate
128	NBGR	Neuberger Berman Global Real Estate ETF	26.89	6	0.2	0.75	ETF	2014-12-30	2.20	Real Estate
129	CIBR	First Trust Nasdaq Cybersecurity ETF	56.39	6,628	839	0.59	ETF	2015-07-07	0.45	Tech - Cybersecurity
130	HACK	Amplify Cybersecurity ETF	64.11	1,775	112	0.60	ETF	2014-11-12	0.20	Tech - Cybersecurity
131	IHAK	iShares Cybersecurity and Tech ETF	46.85	845	105	0.47	ETF	2019-06-13	0.13	Tech - Cybersecurity
132	BUG	Global X Cybersecurity ETF	29.75	780	183	0.51	ETF	2019-10-25	0.10	Tech - Cybersecurity
133	WCBR	WisdomTree Cybersecurity Fund	25.64	107	89	0.45	ETF	2021-01-28	-	Tech - Cybersecurity
134	PSWD	Xtrackers Cybersecurity Select Equity ETF	30.88	6	0.5	0.20	ETF	2023-07-13	NA	Tech - Cybersecurity
135	SPAM	Themes Cybersecurity ETF	27.87	1	1	0.35	ETF	2023-12-07	NA	Tech - Cybersecurity
136	ARKF	ARK Fintech Innovation ETF	30.33	1,152	439	0.75	ETF	2019-02-04	-	Tech - Fintech
137	IPAY	Amplify Mobile Payments ETF	52.64	361	27	0.75	ETF	2015-07-16	0.10	Tech - Fintech
138	FINX	Global X FinTech ETF	27.86	358	110	0.68	ETF	2016-09-13	0.20	Tech - Fintech
139	BPAY	Blackrock Future Financial And Technology ETF	25.04	5	0.2	0.70	ETF	2022-08-18	1.09	Tech - Fintech
140	SKYY	First Trust Cloud Computing ETF	95.60	3,148	139	0.60	ETF	2011-07-06	-	Tech - Software
141	ARKW	ARK Next Generation Internet ETF	83.30	1,754	260	0.87	ETF	2014-09-30	-	Tech - Software
142	CLOU	Global X Cloud Computing ETF	21.75	609	204	0.68	ETF	2019-04-16	-	Tech - Software
143	FCLD	Fidelity Cloud Computing ETF	25.27	79	33	0.39	ETF	2021-10-07	0.06	Tech - Software
144	IVES	Amplify Global Cloud Technology ETF	46.82	33	11	0.75	ETF	2016-03-09	0.02	Tech - Software
145	IDAT	iShares Future Cloud 5G and Tech ETF	29.54	7	1	0.47	ETF	2021-06-10	0.47	Tech - Software
146	DAT	Proshares Big Data Refiners ETF	37.26	6	2	0.58	ETF	2021-09-30	-	Tech - Software
147	IWFH	iShares Virtual Work and Life Multisector ETF	15.54	3	1	0.47	ETF	2020-10-01	1.84	Tech - Software
148	CLOD	Themes Cloud Computing ETF	26.91	1	1	0.35	ETF	2023-12-14	NA	Tech - Software
149	IXN	iShares Global Tech ETF	74.81	4,601	158	0.48	ETF	2001-11-16	0.51	Technology
150	TDIV	First Trust Nasdaq Technology Div Fund	69.67	2,404	123	0.50	ETF	2012-08-14	1.63	Technology
151	GTEK	The Goldman Sachs Future Tech Leaders Equity ETF	29.44	180	11	0.75	ETF	2021-09-14	0.24	Technology
152	FDTX	Fidelity Disruptive Technology ETF	31.90	146	46	0.50	ETF	2023-06-12	NA	Technology
153	WUCT	ETRACS Whitney U.S. Critical Technologies	32.64	65	0.0	0.55	Note	2023-03-27	-	Technology
154	TRFK	Pacer Data And Digital Revolution ETF	43.24	31	12	0.60	ETF	2022-06-08	0.14	Technology
155	SPTE	SP Funds S&P Global Technology ETF	24.55	29	7	0.55	ETF	2023-12-01	NA	Technology
156	BTEK	BlackRock Future Tech ETF	25.65	15	2	0.88	ETF	2020-10-01	-	Technology
157	XDAT	Franklin Exponential Data ETF	22.74	7	4	0.50	ETF	2021-01-14	-	Technology
158	MRAD	SmartETFs Advertising & Marketing Technology ETF	15.69	1	0.2	0.68	ETF	2020-12-31	-	Technology
159	SMH	VanEck Semiconductor ETF	224.99	18,405	9,803	0.35	ETF	2011-12-21	-	Tech-Semiconductor
160	SEMI	Columbia Seligman Semiconductor and Tech ETF	25.09	37	4	0.75	ETF	2022-03-30	0.78	Tech-Semiconductor
161	CHPS	Xtrackers Semiconductor Select Equity ETF	33.10	7	3	0.15	ETF	2023-07-13	NA	Tech-Semiconductor
162	NLR	VanEck Uranium + Nuclear Energy ETF	75.96	148	24	0.61	ETF	2007-08-15	4.16	Utilities
163	JXI	iShares Global Utilities ETF	59.05	124	6	0.48	ETF	2006-09-21	3.57	Utilities
164	NUKZ	Range Nuclear Renaissance Index ETF	30.91	2	4	0.85	ETF	2024-01-11	NA	Utilities

GLOBAL EX-U.S. EQUITY										Grouped by strategy and sorted by AUM
148	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	VEA	Vanguard FTSE Developed Markets ETF	50.17	131,315	10,684	0.05	ETF	2007-07-26	3.30	Cap-Weighted
2	IEFA	iShares Core MSCI EAFE ETF	74.22	115,058	9,031	0.08	ETF	2012-10-22	3.07	Cap-Weighted
3	VXUS	Vanguard Total International Stock ETF	60.30	68,774	3,947	0.08	ETF	2011-01-28	3.31	Cap-Weighted
4	EFA	iShares MSCI EAFE ETF	79.86	53,382	15,351	0.32	ETF	2001-08-17	2.84	Cap-Weighted
5	VEU	Vanguard FTSE All-World ex-US ETF	58.65	38,848	2,147	0.07	ETF	2007-03-08	3.37	Cap-Weighted
6	SCHF	Schwab International Equity ETF	39.02	37,071	3,542	0.06	ETF	2009-11-03	2.84	Cap-Weighted
7	IXUS	iShares Core MSCI Total International Stock ETF	67.86	36,308	1,442	0.11	ETF	2012-10-22	3.01	Cap-Weighted
8	SPDW	SPDR Portfolio Developed World ex-US ETF	35.84	20,029	3,205	0.03	ETF	2007-04-26	2.64	Cap-Weighted
9	IDEV	iShares Core MSCI International Dev. Mkts ETF	67.13	13,188	792	0.07	ETF	2017-03-23	2.94	Cap-Weighted
10	SCZ	iShares MSCI EAFE Small-Cap ETF	63.33	9,824	1,550	0.40	ETF	2007-12-12	2.93	Cap-Weighted
11	VSS	Vanguard FTSE All World ex-US Small-Cap ETF	116.84	8,387	259	0.08	ETF	2009-04-06	3.11	Cap-Weighted
12	HEFA	iShares Curr-H MSCI EAFE ETF	34.88	6,418	3,930	0.70	ETF	2014-02-04	1.15	Cap-Weighted
13	DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	40.93	5,497	532	0.36	ETF	2011-06-09	0.08	Cap-Weighted
14	ACWX	iShares MSCI ACWI ex U.S. ETF	53.39	4,633	963	0.34	ETF	2008-03-31	2.85	Cap-Weighted
15	BBIN	JPMorgan BetaBuilders International Equity ETF	60.14	4,112	278	0.07	ETF	2019-12-05	3.19	Cap-Weighted
16	SCHC	Schwab International Small-Cap Equity ETF	35.80	4,104	388	0.11	ETF	2010-01-14	2.90	Cap-Weighted
17	CWI	SPDR MSCI ACWI ex-US ETF	28.40	1,597	259	0.30	ETF	2007-01-10	2.69	Cap-Weighted
18	GSID	Goldman Sachs MarketBeta International Equity ETF	56.78	754	33	0.20	ETF	2020-05-15	2.48	Cap-Weighted
19	GWX	SPDR S&P International Small Cap ETF	32.48	642	58	0.40	ETF	2007-04-26	2.62	Cap-Weighted
20	HFXI	IQ FTSE International Equity Currency Neutral ETF	26.83	558	85	0.20	ETF	2015-07-22	1.94	Cap-Weighted
21	BKIE	BNY Mellon International Equity ETF	75.61	544	31	0.04	ETF	2020-04-24	2.82	Cap-Weighted
22	GXUS	Goldman Sachs Marketbeta Total Intl Equity ETF	44.73	447	0.0	0.18	ETF	2023-06-07	NA	Cap-Weighted
23	HAWX	iShares Curr-H MSCI ACWI ex U.S. ETF	31.42	215	11	0.70	ETF	2015-07-01	1.30	Cap-Weighted
24	DBAW	Xtrackers MSCI All World ex US Hedged Equity ETF	32.82	151	11	0.41	ETF	2014-01-23	0.11	Cap-Weighted
25	HSCZ	iShares Curr-H MSCI EAFE Small-Cap ETF	31.50	124	13	0.83	ETF	2015-07-01	1.29	Cap-Weighted
26	VYMI	Vanguard International High Dividend Yield ETF	68.80	7,372	452	0.22	ETF	2016-02-25	4.90	Dividend/Income
27	VIGI	Vanguard International Dividend Appreciation ETF	81.53	6,571	247	0.15	ETF	2016-02-25	2.05	Dividend/Income
28	IDV	iShares International Select Dividend ETF	28.04	4,163	631	0.50	ETF	2007-06-15	6.61	Dividend/Income
29	HDEF	Xtrackers MSCI EAFE High Div Yield Equity ETF	24.67	1,492	177	0.20	ETF	2015-08-12	4.92	Dividend/Income
30	DLS	WisdomTree International SmallCap Dividend Fund	65.21	1,095	37	0.58	ETF	2006-06-16	3.99	Dividend/Income
31	PID	Invesco International Dividend Achievers ETF	18.54	930	135	0.53	ETF	2005-09-15	3.33	Dividend/Income
32	LVHI	Franklin International Low Vol High Div ETF	29.78	847	168	0.40	ETF	2016-07-27	7.31	Dividend/Income
33	SCHY	Schwab International Dividend Equity ETF	24.26	785	124	0.14	ETF	2021-04-29	2.66	Dividend/Income
34	DIVI	Franklin International Core Dividend Tilt Index ETF	32.19	766	166	0.09	ETF	2016-06-01	2.98	Dividend/Income
35	IGRO	iShares International Dividend Growth ETF	67.36	658	31	0.22	ETF	2016-05-19	2.79	Dividend/Income
36	DWM	WisdomTree International Equity Fund	54.80	573	27	0.58	ETF	2006-06-16	3.78	Dividend/Income
37	IQDF	FlexShares International Quality Div Fund	24.10	559	53	0.47	ETF	2013-04-16	3.87	Dividend/Income
38	DOL	WisdomTree International LargeCap Dividend Fund	51.71	517	20	0.48	ETF	2006-06-16	3.61	Dividend/Income
39	DWX	SPDR S&P International Dividend ETF	35.15	463	38	0.45	ETF	2008-02-19	4.24	Dividend/Income
40	DTH	WisdomTree International High Dividend Fund	39.63	341	38	0.58	ETF	2006-06-16	5.14	Dividend/Income
41	IDOG	ALPS International Sector Dividend Dogs ETF	29.72	270	37	0.50	ETF	2013-06-27	4.47	Dividend/Income
42	DDL	Wisdomtree Dynamic Curr-H Intl Smallcap Equity	34.34	262	25	0.48	ETF	2016-01-07	3.68	Dividend/Income
43	DDWM	Wisdomtree Dynamic Curr-H Intl Equity Fund	34.20	262	20	0.40	ETF	2016-01-07	4.00	Dividend/Income
44	DIM	WisdomTree International MidCap Dividend Fund	62.91	135	5	0.58	ETF	2006-06-16	4.00	Dividend/Income
45	FIDI	Fidelity International High Dividend ETF	20.92	98	12	0.18	ETF	2018-01-18	4.23	Dividend/Income
46	EFAD	ProShares MSCI EAFE Dividend Growers ETF	39.22	85	9	0.50	ETF	2014-08-19	2.31	Dividend/Income
47	FID	First Trust S&P Intl Dividend Aristocrats ETF	15.95	79	15	0.60	ETF	2013-08-23	4.31	Dividend/Income
48	IQDY	FlexShares Intl Quality Dividend Dynamic Index Fund	28.79	78	6	0.47	ETF	2013-04-16	4.29	Dividend/Income
49	AIVI	WisdomTree International AI Enhanced Value Fund	41.03	74	2	0.58	ETF	2006-06-16	4.57	Dividend/Income
50	IQDE	FlexShares Intl Quality Dividend Defensive	21.48	24	1	0.47	ETF	2013-04-16	3.04	Dividend/Income
51	CID	VictoryShares Intl High Div Volatility Wtd ETF	32.31	19	1	0.45	ETF	2015-08-20	4.69	Dividend/Income
52	HDAW	Xtrackers MSCI All World ex US High Div Yield	24.91	11	1	0.20	ETF	2015-08-12	2.57	Dividend/Income
53	EFAS	Global X MSCI SuperDividend EAFE ETF	14.65	10	1	0.56	ETF	2016-11-14	6.14	Dividend/Income
54	VWID	Virtus WMC International Dividend ETF	27.25	10	1	0.49	ETF	2017-10-12	4.92	Dividend/Income
55	JHID	John Hancock International High Dividend ETF	29.67	8	0.1	0.46	ETF	2022-12-21	4.53	Dividend/Income
56	DMDV	AAM S&P Dev. Mkts High Dividend Value ETF	22.69	2	0.2	0.39	ETF	2018-11-28	7.29	Dividend/Income
57	EFV	iShares MSCI EAFE Growth ETF	103.79	12,194	794	0.40	ETF	2005-08-05	1.54	Factor: Growth
58	CGIE	Capital Group International Equity ETF	29.01	111	70	0.54	ETF	2023-09-28	NA	Factor: Growth
59	JIG	JPMorgan International Growth ETF	62.96	90	4	0.55	ETF	2020-05-21	1.58	Factor: Growth
60	OSEA	Harbor International Compounders ETF	27.35	86	113	0.55	ETF	2022-09-08	0.63	Factor: Growth
61	PCIG	Polen Capital International Growth ETF	10.00	20	NA	1.00	ETF	2024-03-15	NA	Factor: Growth
62	IMTM	iShares MSCI Intl Momentum Factor ETF	39.23	2,044	369	0.30	ETF	2015-01-15	2.04	Factor: Momentum
63	IFV	First Trust Dorsey Wright International Focus 5 ETF	20.00	196	31	1.03	ETF	2014-07-23	3.07	Factor: Momentum
64	IDMO	Invesco S&P Intl Developed Momentum ETF	42.05	172	54	0.25	ETF	2012-02-24	2.34	Factor: Momentum

GLOBAL EX-U.S. EQUITY										Grouped by strategy and sorted by AUM
148	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
65	PTIN	Pacer Trendpilot International ETF	29.07	155	13	0.65	ETF	2019-05-02	2.00	Factor: Momentum
66	PIZ	Invesco Dorsey Wright Dev. Mkts Momentum ETF	34.46	128	12	0.80	ETF	2007-12-28	1.43	Factor: Momentum
67	IMOM	Alpha Architect Intl Quantitative Momentum ETF	29.17	87	20	0.52	ETF	2015-12-23	2.71	Factor: Momentum
68	DWCR	Arrow DWA Country Rotation ETF	30.66	8	0.0	1.34	ETF	2017-12-29	1.26	Factor: Momentum
69	FNDP	Schwab Fundamental Intl Large Company Index ETF	35.61	12,810	817	0.25	ETF	2013-08-15	3.26	Factor: Multi-Factor
70	DAFI	Dimensional International Core Equity Market ETF	30.22	5,651	905	0.18	ETF	2020-11-18	2.40	Factor: Multi-Factor
71	GSIE	Goldman Sachs ActiveBeta International Equity ETF	34.29	3,622	470	0.25	ETF	2015-11-06	2.58	Factor: Multi-Factor
72	FNDP	Schwab Fundamental Intl Small Company Index ETF	35.47	3,299	168	0.39	ETF	2013-08-15	2.85	Factor: Multi-Factor
73	IHDG	WisdomTree International Hedged Div Grwth	45.94	2,380	324	0.58	ETF	2014-05-07	1.69	Factor: Multi-Factor
74	RODM	Hartford Multifactor Developed Markets ex-US ETF	28.00	1,208	192	0.29	ETF	2015-02-26	4.39	Factor: Multi-Factor
75	INTF	iShares International Equity Factor ETF	29.84	1,033	219	0.30	ETF	2015-04-30	3.42	Factor: Multi-Factor
76	IQDG	WisdomTree International Div Grwth	38.06	977	135	0.42	ETF	2016-04-07	1.78	Factor: Multi-Factor
77	QEFA	SPDR MSCI EAFE StrategicFactors ETF	76.09	974	47	0.30	ETF	2014-06-05	2.71	Factor: Multi-Factor
78	JHMD	John Hancock MultiFactor DM	34.53	721	67	0.39	ETF	2016-12-16	2.88	Factor: Multi-Factor
79	DNL	WisdomTree Global ex-US Div Grwth	38.89	641	83	0.42	ETF	2006-06-16	1.75	Factor: Multi-Factor
80	ISCF	iShares International Small-Cap Equity Factor ETF	32.98	571	62	0.40	ETF	2015-04-30	3.88	Factor: Multi-Factor
81	TLTD	FlexShares Mgstar Dev. Mkts ex-US Factor Tilt	71.66	529	25	0.39	ETF	2012-09-28	1.86	Factor: Multi-Factor
82	IMFL	Invesco Intl Developed Dynamic Multifactor ETF	25.61	466	366	0.34	ETF	2021-02-24	3.81	Factor: Multi-Factor
83	FDT	First Trust Dev. Mkts ex-US AlphaDEX Fund	56.12	417	22	0.80	ETF	2011-04-19	4.12	Factor: Multi-Factor
84	VIDI	Vident International Equity Strategy ETF	25.01	391	29	0.61	ETF	2013-10-30	3.91	Factor: Multi-Factor
85	JPIN	JPMorgan Diversified Return Intl Equity ETF	56.33	383	13	0.37	ETF	2014-11-07	5.84	Factor: Multi-Factor
86	IDHQ	Invesco S&P International Developed Quality ETF	30.67	271	34	0.29	ETF	2007-06-13	2.22	Factor: Multi-Factor
87	MFDX	PIMCO RAFI Dynamic Multi-Factor Intl Equity ETF	30.70	251	24	0.39	ETF	2017-09-06	2.85	Factor: Multi-Factor
88	UIVM	VictoryShares International Value Momentum ETF	48.87	247	1	0.35	ETF	2017-10-26	4.07	Factor: Multi-Factor
89	IQIN	IQ 500 International ETF	34.31	206	20	0.25	ETF	2018-12-13	3.79	Factor: Multi-Factor
90	FICS	First Trust Intl Developed Capital Strength ETF	34.99	101	24	0.70	ETF	2020-12-16	1.00	Factor: Multi-Factor
91	CIL	VictoryShares International Volatility Wtd ETF	43.16	95	1	0.45	ETF	2015-08-20	2.69	Factor: Multi-Factor
92	TTAI	FCF International Quality ETF	29.92	67	4	0.59	ETF	2017-06-28	0.56	Factor: Multi-Factor
93	FDEV	Fidelity International Multifactor ETF	27.52	66	28	0.18	ETF	2019-02-28	1.90	Factor: Multi-Factor
94	DEEF	Xtrackers FTSE Developed ex US Multifactor ETF	29.64	59	4	0.24	ETF	2015-11-24	2.40	Factor: Multi-Factor
95	QLVD	Flexshares Dev. Mkts EX-US Quality Low Vol	26.67	48	42	0.32	ETF	2019-07-16	1.45	Factor: Multi-Factor
96	DWMF	WisdomTree International Multifactor Fund	26.54	42	3	0.38	ETF	2018-08-10	3.50	Factor: Multi-Factor
97	CIZ	VictoryShares Developed Enh Vol	31.42	38	3	0.51	ETF	2014-09-30	3.26	Factor: Multi-Factor
98	RODE	Hartford Multifactor Diversified International ETF	27.73	18	1	0.29	ETF	2017-05-11	5.00	Factor: Multi-Factor
99	FDTS	First Trust Dev. Mkts ex-US Small Cap AlphaDEX	42.27	8	1	0.80	ETF	2012-02-16	3.03	Factor: Multi-Factor
100	ROIS	Hartford Multifactor Intl Small Company ETF	50.46	5	NA	0.49	ETF	2024-03-18	NA	Factor: Multi-Factor
101	EAFG	Pacer DM Cash Cows Growth Leaders ETF	20.22	1	NA	0.65	ETF	2024-03-31	NA	Factor: Multi-Factor
102	IQLT	iShares MSCI Intl Quality Factor ETF	39.66	8,106	1,053	0.30	ETF	2015-01-15	2.18	Factor: Quality
103	QJNT	American Century Quality Diversified Intl ETF	49.68	231	9	0.39	ETF	2018-09-12	2.95	Factor: Quality
104	EFV	iShares MSCI EAFE Value ETF	54.40	17,106	4,408	0.40	ETF	2005-08-05	4.22	Factor: Value
105	DFIV	Dimensional International Value ETF	36.75	7,108	790	0.30	ETF	2021-09-13	3.55	Factor: Value
106	AVDV	Avantis International Small Cap Value ETF	65.86	5,641	246	0.36	ETF	2019-09-25	3.15	Factor: Value
107	DISV	Dimensional International Small Cap Value ETF	27.19	1,796	235	0.42	ETF	2022-03-23	2.47	Factor: Value
108	IVLU	iShares MSCI Intl Value Factor ETF	28.23	1,750	334	0.30	ETF	2015-06-18	4.45	Factor: Value
109	PXF	Invesco FTSE RAFI Developed Markets ex-US ETF	49.65	1,733	118	0.45	ETF	2007-06-25	3.45	Factor: Value
110	ICOW	Pacer Dev. Mkts International Cash Cows 100 ETF	31.95	1,342	333	0.65	ETF	2017-06-19	3.65	Factor: Value
111	PDN	Invesco FTSE RAFI Dev. Mkts ex-US Small-Mid ETF	32.88	522	19	0.49	ETF	2007-09-27	2.99	Factor: Value
112	AVIV	Avantis International Large Cap Value ETF	54.08	350	19	0.25	ETF	2021-09-30	3.49	Factor: Value
113	ISVL	iShares Intl Developed Small Cap Value Factor ETF	35.46	184	2	0.30	ETF	2021-03-25	3.71	Factor: Value
114	IVAL	Alpha Architect Intl Quantitative Value ETF	26.98	156	12	0.52	ETF	2014-12-17	4.73	Factor: Value
115	FIVA	Fidelity International Value Factor ETF	25.43	117	36	0.18	ETF	2018-01-18	3.58	Factor: Value
116	DSTX	Distillate Intl Fundamental Stability & Value ETF	24.47	35	4	0.55	ETF	2020-12-15	1.79	Factor: Value
117	JDVI	John Hancock Disciplined Value Intl Select ETF	26.81	27	0	0.69	ETF	2023-12-20	NA	Factor: Value
118	JIVE	JPMorgan International Value ETF	54.56	14	0	0.55	ETF	2023-09-13	NA	Factor: Value
119	AVNV	Avantis All International Markets Value ETF	56.79	2	0.5	0.34	ETF	2023-06-29	NA	Factor: Value
120	MOTI	VanEck Morningstar International Moat ETF	31.12	219	21	0.58	ETF	2015-07-14	2.36	Other
121	FPXI	First Trust International Equity Opportunities ETF	46.18	160	17	0.70	ETF	2014-11-05	0.65	Other
122	IPKW	Invesco International BuyBack Achievers ETF	39.73	69	5	0.55	ETF	2014-02-27	2.42	Other
123	ISZE	iShares MSCI Intl Size Factor ETF	26.67	5	0.2	0.30	ETF	2015-06-18	6.54	Other
124	DFAX	Dimensional World EX US Core Equity 2 ETF	25.44	6,688	530	0.28	ETF	2021-09-13	2.85	Other: Actively Managed
125	JIRE	JPMorgan Intl Research Enhanced Equity ETF	62.62	6,023	339	0.24	ETF	2022-06-13	2.59	Other: Actively Managed
126	DFIC	Dimensional International Core Equity 2 ETF	26.75	5,830	964	0.23	ETF	2022-03-23	2.40	Other: Actively Managed
127	AVDE	Avantis International Equity ETF	63.74	4,328	299	0.23	ETF	2019-09-25	2.89	Other: Actively Managed
128	CGXU	Capital Group International Focus Equity ETF	25.78	2,316	562	0.54	ETF	2022-02-24	0.93	Other: Actively Managed

GLOBAL EX-U.S. EQUITY										Grouped by strategy and sorted by AUM
148	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
129	DIHP	Dimensional International High Profitability ETF	26.94	2,026	596	0.29	ETF	2022-03-23	1.98	Other: Actively Managed
130	FENI	Fidelity Enhanced International ETF	28.55	1,479	76	0.28	ETF	2007-12-20	1.66	Other: Actively Managed
131	DFIS	Dimensional International Small Cap ETF	25.06	1,244	699	0.39	ETF	2022-03-23	2.22	Other: Actively Managed
132	FYLD	Cambria Foreign Shareholder Yield ETF	27.01	284	35	0.59	ETF	2013-12-03	5.53	Other: Actively Managed
133	APIE	ActivePassive International Equity ETF	28.29	281	52	0.45	ETF	2023-05-03	NA	Other: Actively Managed
134	DINT	Davis Select International ETF	19.29	168	10	0.66	ETF	2018-03-02	1.66	Other: Actively Managed
135	BKCI	BNY Mellon Concentrated International ETF	51.14	120	6	0.80	ETF	2021-12-06	0.71	Other: Actively Managed
136	INTL	Main International ETF	23.08	118	10	1.04	ETF	2022-12-02	2.78	Other: Actively Managed
137	OAIM	Oneascent International Equity ETF	32.13	117	17	0.95	ETF	2022-09-15	1.86	Other: Actively Managed
138	TOUS	T Rowe Price International Equity ETF	27.59	83	6	0.50	ETF	2023-06-15	NA	Other: Actively Managed
139	BINV	Brandes International ETF	29.85	71	18	0.70	ETF	2023-10-05	NA	Other: Actively Managed
140	TDI	Touchstone Dynamic International ETF	29.11	56	2	0.65	ETF	2005-12-09	0.37	Other: Actively Managed
141	SSXU	Day Hagan/Ned Davis Research Smart Sector Intl	28.58	34	5	0.68	ETF	2022-07-01	1.98	Other: Actively Managed
142	AADR	AdvisorShares Dorsey Wright ADR ETF	62.21	26	1	0.99	ETF	2010-07-21	0.71	Other: Actively Managed
143	AVDS	Avantis International Small Cap Equity ETF	53.16	17	3	0.30	ETF	2023-07-18	NA	Other: Actively Managed
144	AVNM	Avantis All International Markets Equity ETF	56.23	16	4	0.31	ETF	2023-06-29	NA	Other: Actively Managed
145	PJIO	PGIM Jennison International Opportunities ETF	55.65	11	0	0.90	ETF	2023-12-14	NA	Other: Actively Managed
146	BCIL	Bancreek International Large Cap ETF	25.17	1	NA	0.80	ETF	2024-03-21	NA	Other: Actively Managed
147	EFAV	iShares MSCI EAFE Min Vol Factor ETF	70.88	7,034	776	0.22	ETF	2011-10-20	3.05	Risk
148	IDLV	Invesco S&P International Developed Low Vol ETF	28.07	425	220	0.25	ETF	2012-01-13	3.24	Risk

GLOBAL EX-U.S. SECTOR EQUITY										Grouped by sector and sorted by AUM
7	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
1	FDNI	First Trust Dow Jones International Internet ETF	22.90	26	4	0.65	ETF	2018-11-06	0.39	Communication Services
2	VNQI	Vanguard Global ex-U.S. Real Estate ETF	42.14	3,592	181	0.12	ETF	2010-11-01	3.82	Real Estate
3	HAUZ	Xtrackers International Real Estate ETF	21.65	704	73	0.10	ETF	2013-10-01	3.59	Real Estate
4	RWX	SPDR Dow Jones International Real Estate ETF	26.09	305	53	0.59	ETF	2006-12-15	3.99	Real Estate
5	IFGL	iShares International Developed Real Estate ETF	21.28	117	12	0.48	ETF	2007-11-19	2.43	Real Estate
6	WPS	iShares International Developed Property ETF	28.40	37	1	0.48	ETF	2007-08-07	2.82	Real Estate
7	WTRE	WisdomTree New Economy Real Es	18.11	20	4	0.58	ETF	2007-06-05	2.46	Real Estate

EMERGING MARKETS EQUITY										Grouped by strategy and sorted by AUM
71	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
1	IEMG	iShares Core MSCI Emerging Markets ETF	51.60	76,365	10,218	0.14	ETF	2012-10-22	2.82	Cap-Weighted
2	VVO	Vanguard FTSE Emerging Markets ETF	41.77	75,904	8,047	0.08	ETF	2005-03-10	3.47	Cap-Weighted
3	EEM	iShares MSCI Emerging Markets ETF	41.08	18,214	28,421	0.70	ETF	2003-04-11	2.56	Cap-Weighted
4	EMXC	iShares MSCI Emerging Markets ex China ETF	57.57	12,958	3,217	0.58	ETF	2017-07-20	1.76	Cap-Weighted
5	SPEM	SPDR Portfolio Emerging Markets ETF	36.19	8,574	1,259	0.07	ETF	2007-03-23	2.73	Cap-Weighted
6	SCHE	Schwab Emerging Markets Equity ETF	25.25	8,513	1,120	0.11	ETF	2010-01-14	3.74	Cap-Weighted
7	DFAE	Dimensional Emerging Core Equity Market ETF	24.72	3,737	656	0.35	ETF	2020-12-02	2.36	Cap-Weighted
8	XCEM	Columbia EM Core ex-China ETF	31.10	945	245	0.16	ETF	2015-09-02	1.19	Cap-Weighted
9	EWX	SPDR S&P Emerging Markets SmallCap ETF	55.80	845	61	0.65	ETF	2008-05-16	2.32	Cap-Weighted
10	BBEM	JPMorgan BetaBuilders Emerg Mkts Equity ETF	50.44	576	13	0.15	ETF	2023-05-10	NA	Cap-Weighted
11	FM	iShares Frontier and Select EM ETF	28.65	454	124	0.79	ETF	2012-09-13	3.33	Cap-Weighted
12	EEMS	iShares MSCI Emerging Markets Small-Cap ETF	58.85	364	23	0.69	ETF	2011-08-18	2.63	Cap-Weighted
13	HEEM	iShares Curr-H MSCI Emerging Markets ETF	25.65	140	42	0.70	ETF	2014-09-25	1.83	Cap-Weighted
14	GSEE	Goldman Sachs MarketBeta Emerg Mkts Equity ETF	43.28	110	0.1	0.36	ETF	2020-05-12	1.63	Cap-Weighted
15	DBEM	Xtrackers MSCI Emerg Mkts Hedged Equity ETF	23.92	104	10	0.66	ETF	2011-06-09	1.20	Cap-Weighted
16	BKEM	BNY Mellon Emerging Markets Equity ETF	57.62	98	2	0.11	ETF	2020-04-24	2.79	Cap-Weighted
17	STXE	Strive Emerging Markets EX-China ETF	28.71	89	13	0.32	ETF	2023-01-30	1.04	Cap-Weighted
18	KEMX	KraneShares MSCI Emerg Mkts ex China Index ETF	29.33	78	38	0.23	ETF	2019-04-12	1.94	Cap-Weighted
19	XC	Wisdomtree Emerging Markets EX-China Fund	30.69	43	18	0.32	ETF	2022-09-22	1.48	Cap-Weighted
20	EMFM	Global X MSCI Next Emerging & Frontier ETF	18.46	17	2	0.56	ETF	2013-11-06	3.02	Cap-Weighted
21	DEM	WisdomTree Emerging Markets High Dividend Fund	41.84	2,798	360	0.63	ETF	2007-07-13	5.60	Dividend/Income
22	DGS	WisdomTree Emerg Mkts SmallCap Div	50.86	2,756	355	0.63	ETF	2007-10-30	4.32	Dividend/Income
23	DVYE	iShares Emerging Markets Dividend ETF	26.16	676	78	0.49	ETF	2012-02-24	9.20	Dividend/Income
24	EDIV	SPDR S&P Emerging Markets Dividend ETF	33.51	375	78	0.49	ETF	2011-02-24	4.48	Dividend/Income
25	SDEM	Global X MSCI SuperDividend Emerg Mkts ETF	25.17	45	4	0.67	ETF	2015-03-16	7.41	Dividend/Income
26	EDOG	ALPS Emerging Sector Dividend Dogs ETF	21.13	26	2	0.60	ETF	2014-03-28	6.62	Dividend/Income
27	EMDV	ProShares MSCI Emerg Mkts Dividend Growers ETF	43.63	13	0.5	0.60	ETF	2016-01-27	1.82	Dividend/Income
28	DIEM	Franklin Emerg Mkts Core Dividend Tilt Index ETF	25.62	13	1	0.19	ETF	2016-06-01	4.39	Dividend/Income
29	EEMD	AAM S&P Emerg Mkts High Dividend Value ETF	18.27	8	2	0.49	ETF	2017-11-29	9.29	Dividend/Income

EMERGING MARKETS EQUITY										Grouped by strategy and sorted by AUM
71	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Strategy
30	PIE	Invesco Dorsey Wright Emerg Mkts Momentum ETF	20.83	131	17	0.90	ETF	2007-12-28	2.27	Factor: Momentum
31	EEMO	Invesco S&P Emerg Mkts Markets Momentum ETF	16.07	6	7	0.29	ETF	2012-02-24	3.14	Factor: Momentum
32	FNDE	Schwab Fundamental Emerg Mkts Large Company	27.76	5,569	606	0.39	ETF	2013-08-15	4.59	Factor: Multi-Factor
33	GEM	Goldman Sachs ActiveBeta Emerg Mkts Equity ETF	31.34	929	100	0.45	ETF	2015-09-29	1.82	Factor: Multi-Factor
34	JHEM	John Hancock Multifactor Emerging Markets ETF	25.93	686	16	0.49	ETF	2018-09-28	2.81	Factor: Multi-Factor
35	EMGF	iShares Emerging Markets Equity Factor ETF	44.54	582	58	0.50	ETF	2015-12-10	5.68	Factor: Multi-Factor
36	FEM	First Trust Emerging Markets AlphaDEX Fund	22.87	421	51	0.80	ETF	2011-04-19	4.97	Factor: Multi-Factor
37	FEMS	First Trust Emerg Mkts Small Cap AlphaDEX Fund	38.71	330	32	0.80	ETF	2012-02-17	4.76	Factor: Multi-Factor
38	JPEM	JPMorgan Diversified Return Emerg Mkts Equity	53.45	309	17	0.44	ETF	2015-01-07	4.40	Factor: Multi-Factor
39	TLTE	FlexShares Mgstar Emerg Mkts Factor Tilt	51.33	268	9	0.57	ETF	2012-09-28	3.45	Factor: Multi-Factor
40	UEVM	VictoryShares Emerg Mkts Value Momentum ETF	45.64	176	1	0.45	ETF	2017-10-26	4.50	Factor: Multi-Factor
41	DGRE	WisdomTree Emerging Markets Div Grwth	25.70	135	14	0.32	ETF	2013-08-01	1.54	Factor: Multi-Factor
42	MFEM	PIMCO RAFI Dynamic Multi-Factor EM Equity	19.55	96	8	0.51	ETF	2017-09-06	4.12	Factor: Multi-Factor
43	FDEM	Fidelity Emerging Markets Multifactor ETF	24.80	49	30	0.25	ETF	2019-02-28	2.70	Factor: Multi-Factor
44	QEMM	SPDR MSCI Emerging Markets StrategicFactors ETF	57.74	45	2	0.30	ETF	2014-06-05	4.83	Factor: Multi-Factor
45	EMMF	Wisdomtree Emerg Mkts Multifactor	26.29	23	5	0.48	ETF	2018-08-10	1.56	Factor: Multi-Factor
46	ROAM	Hartford Multifactor Emerging Markets ETF	23.31	20	6	0.44	ETF	2015-02-26	5.18	Factor: Multi-Factor
47	QLVE	Flexshares Emerg Mkts Quality Low Vol Index Fund	24.09	12	17	0.40	ETF	2019-07-16	2.02	Factor: Multi-Factor
48	PXH	Invesco FTSE RAFI Emerging Markets ETF	19.46	1,213	196	0.49	ETF	2007-09-27	4.41	Factor: Value
49	DFEV	Dimensional Emerging Markets Value ETF	25.96	567	89	0.43	ETF	2022-04-27	3.44	Factor: Value
50	AVES	Avantis Emerging Markets Value ETF	47.39	407	57	0.36	ETF	2021-09-30	3.82	Factor: Value
51	ECOW	Pacer Emerging Markets Cash Cows 100 ETF	20.09	89	25	0.70	ETF	2019-05-02	5.29	Factor: Value
52	XSOE	Wisdomtree EM EX-State-Owned Enterprises	29.46	1,986	293	0.32	ETF	2014-12-10	1.74	Other
53	AVEM	Avantis Emerging Markets Equity ETF	57.96	5,097	305	0.33	ETF	2019-09-19	2.95	Other: Actively Managed
54	DFEM	Dimensional Emerging Markets Core Equity 2 ETF	25.49	3,470	648	0.39	ETF	2022-04-27	2.34	Other: Actively Managed
55	JEMA	JPMorgan ActiveBuilders Emerg Mkts Equity ETF	36.65	1,021	68	0.33	ETF	2021-03-10	2.90	Other: Actively Managed
56	EYLD	Cambria Emerging Shareholder Yield ETF	33.54	331	77	0.69	ETF	2016-07-14	5.20	Other: Actively Managed
57	DEHP	Dimensional Emerging Markets High Profitability	24.82	200	26	0.35	ETF	2022-04-27	2.70	Other: Actively Managed
58	MEM	Matthews Emerging Markets Equity Active ETF	29.44	58	5	0.79	ETF	2022-07-14	0.01	Other: Actively Managed
59	OAEM	Oneascent Emerging Markets ETF	29.97	48	11	1.25	ETF	2022-09-15	1.59	Other: Actively Managed
60	RAYE	Rayliant Quantamental Emerg Mkts ex-China Equity	24.48	46	20	0.88	ETF	2021-12-15	1.51	Other: Actively Managed
61	RFEM	First Trust RiverFront Dynamic Emerg Mkts ETF	61.23	37	1	0.95	ETF	2016-06-15	3.14	Other: Actively Managed
62	EMM	Global X Emerging Markets ETF	27.35	27	3	0.75	ETF	2010-09-24	1.26	Other: Actively Managed
63	MEMX	Matthews Emerging Markets ex China Active ETF	29.10	12	2	0.79	ETF	2023-01-11	1.08	Other: Actively Managed
64	AVEE	Avantis Emerging Markets Small Cap Equity ETF	52.95	11	2	0.42	ETF	2023-11-09	NA	Other: Actively Managed
65	PEMX	Putnam Emerging Markets EX-China ETF	50.20	7	1	0.85	ETF	2023-05-17	NA	Other: Actively Managed
66	MEMS	Matthews Emerging Markets Discovery Active ETF	25.26	6	4	0.89	ETF	2024-01-11	NA	Other: Actively Managed
67	KEM	Kraneshares Dynamic Emerg Mkts Strategy ETF	24.91	4	0	0.49	ETF	2023-08-25	NA	Other: Actively Managed
68	AVXC	Avantis Emerging Markets ex-China Equity ETF	50.41	3	NA	0.33	ETF	2024-03-21	NA	Other: Actively Managed
69	EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	56.59	4,416	353	0.69	ETF	2011-10-20	2.70	Risk
70	EELV	Invesco S&P Emerging Markets Low Volatility ETF	23.89	458	577	0.29	ETF	2012-01-13	4.06	Risk
71	RNEM	Emerging Markets Equity Select ETF	51.88	18	21	0.75	ETF	2017-06-21	1.63	Risk

EMERGING MARKETS REGIONAL EQUITY										Grouped by region and sorted by AUM
6	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Region
1	EEMA	iShares MSCI Emerging Markets Asia ETF	68.11	410	37	0.49	ETF	2012-02-09	2.16	Asia Pacific
2	GMF	SPDR S&P Emerging Asia Pacific ETF	103.68	338	21	0.49	ETF	2007-03-23	2.65	Asia Pacific
3	BKF	iShares MSCI BIC ETF	34.13	70	13	0.70	ETF	2007-11-16	1.67	Emerging Markets
4	ILF	iShares Latin America 40 ETF	28.44	1,727	993	0.49	ETF	2001-10-26	4.75	Latin America
5	FLLA	Franklin FTSE Latin America ETF	23.63	68	21	0.19	ETF	2018-10-09	5.73	Latin America
6	FLN	First Trust Latin America AlphaDEX Fund	20.70	66	3	0.80	ETF	2011-04-20	4.99	Latin America

EMERGING MARKETS SECTOR EQUITY										Grouped by sector and sorted by AUM
4	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
1	KEMQ	KraneShares Emerg Mkts Consumer Tech Index ETF	14.80	19	4	0.59	ETF	2017-10-12	0.28	Communication Services
2	EMQQ	Emerging Markets Internet and Ecommerce ETF	31.31	367	50	0.86	ETF	2014-11-13	0.78	Consumer - Ecommerce
3	ECON	Columbia Emerging Markets Consumer ETF	20.57	59	5	0.49	ETF	2010-09-14	1.59	Multi-sectors
4	EMFQ	Amplify Emerging Markets FinTech ETF	21.00	2	0.2	0.69	ETF	2019-01-30	4.94	Tech - Fintech

REGIONAL EQUITY										Grouped by region and sorted by AUM
44	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Region
1	EZA	iShares MSCI South Africa ETF	39.17	266	162	0.59	ETF	2003-02-07	3.01	Africa
2	AFK	VanEck Africa Index ETF	14.57	41	11	0.98	ETF	2008-07-14	2.12	Africa
3	VPL	Vanguard FTSE Pacific ETF	76.03	7,261	361	0.08	ETF	2005-03-10	3.18	Asia Pacific
4	IPAC	iShares Core MSCI Pacific ETF	63.31	2,082	87	0.10	ETF	2014-06-12	3.02	Asia Pacific
5	MINV	Matthews Asia Innovators Active ETF	25.21	67	6	0.79	ETF	2022-07-14	0.92	Asia Pacific
6	ASEA	Global X FTSE Southeast Asia ETF	15.09	44	14	0.65	ETF	2011-02-17	3.80	Asia Pacific
7	DVYA	iShares Asia/Pacific Dividend ETF	36.21	42	7	0.49	ETF	2012-02-24	6.18	Asia Pacific
8	KDIV	Kraneshares S&P Pan Asia Dividend Aristocrats ETF	26.82	3	0.0	0.69	ETF	2022-09-15	8.91	Asia Pacific
9	ADVE	Matthews Asia Dividend Active ETF	32.28	2	0	0.79	ETF	2023-09-22	NA	Asia Pacific
10	BBAX	JPMorgan BetaBuilders Dev Asia Pacific-ex Japan	48.16	4,443	240	0.19	ETF	2018-08-08	4.30	Asia Pacific Ex Japan
11	AAXJ	iShares MSCI All Country Asia ex Japan ETF	67.75	2,377	688	0.70	ETF	2008-08-15	2.20	Asia Pacific Ex Japan
12	EPP	iShares MSCI Pacific ex Japan ETF	42.81	1,941	257	0.48	ETF	2001-10-26	4.16	Asia Pacific Ex Japan
13	AIA	iShares Asia 50 ETF	60.71	1,472	65	0.50	ETF	2007-11-16	2.46	Asia Pacific Ex Japan
14	ASIA	Matthews Pacific Tiger Active ETF	25.02	83	8	0.79	ETF	2023-09-22	NA	Asia Pacific Ex Japan
15	FLAX	Franklin FTSE Asia ex Japan ETF	21.76	35	7	0.19	ETF	2018-02-06	2.14	Asia Pacific Ex Japan
16	FPA	First Trust Asia Pacific ex-Japan AlphaDEX Fund	27.60	14	1	0.80	ETF	2011-04-20	2.58	Asia Pacific Ex Japan
17	ADIV	SmartETFs Asia Pacific Dividend Builder ETF	14.01	3	1	0.78	ETF	2006-03-31	4.75	Asia Pacific Ex Japan
18	VGK	Vanguard FTSE Europe ETF	67.34	19,532	2,056	0.09	ETF	2005-03-10	3.29	Europe
19	EZU	iShares MSCI Eurozone ETF	51.06	7,781	2,004	0.51	ETF	2000-07-31	2.40	Europe
20	BBEU	JPMorgan BetaBuilders Europe ETF	59.40	7,769	433	0.09	ETF	2018-06-18	3.00	Europe
21	IEUR	iShares Core MSCI Europe ETF	57.85	4,487	754	0.11	ETF	2014-06-12	3.05	Europe
22	FEZ	SPDR EURO STOXX 50 ETF	52.55	3,364	1,077	0.29	ETF	2002-10-21	2.47	Europe
23	HEJ	WisdomTree Europe Hedged Equity Fund	48.30	1,900	202	0.58	ETF	2009-12-31	2.97	Europe
24	IEV	iShares Europe ETF	55.67	1,696	287	0.60	ETF	2000-07-28	2.66	Europe
25	DBEU	Xtrackers MSCI Europe Hedged Equity ETF	41.05	606	296	0.48	ETF	2013-10-01	-	Europe
26	HEZU	iShares Curr-H MSCI Eurozone ETF	36.77	410	39	1.11	ETF	2014-07-10	0.69	Europe
27	SPEU	SPDR Portfolio Europe ETF	42.08	278	44	0.07	ETF	2002-10-21	2.85	Europe
28	FEP	First Trust Europe AlphaDEX Fund	37.58	213	16	0.80	ETF	2011-04-26	3.86	Europe
29	DFE	WisdomTree Europe SmallCap Dividend Fund	59.75	188	16	0.58	ETF	2006-06-16	1.90	Europe
30	FDD	First Trust STOXX European Select Div Fund	11.83	162	68	0.59	ETF	2007-08-30	7.08	Europe
31	IEUS	iShares MSCI Europe Small-Cap ETF	56.64	116	5	0.42	ETF	2007-11-19	2.98	Europe
32	EUDG	Wisdomtree Trust-Wisdomtree Europe Div Grwth	32.66	73	6	0.58	ETF	2014-05-07	1.99	Europe
33	FLEE	Franklin FTSE Europe ETF	29.74	71	5	0.09	ETF	2017-11-02	2.47	Europe
34	EUSC	Wisdomtree Europe Hedged SmallCap Equity Fund	38.46	44	2	0.58	ETF	2015-03-04	3.26	Europe
35	PTEU	Pacer Trendpilot European Index ETF	26.74	41	5	0.65	ETF	2015-12-15	2.58	Europe
36	DBEZ	Xtrackers MSCI Eurozone Hedged Equity ETF	46.16	39	3	0.45	ETF	2014-12-10	-	Europe
37	OEUR	ALPS O'Shares Europe Quality Dividend ETF	30.08	38	6	0.48	ETF	2015-08-19	4.04	Europe
38	FLEU	Franklin FTSE Eurozone ETF	26.05	21	4	0.09	ETF	2017-11-02	3.07	Europe
39	FEUZ	First Trust Eurozone AlphaDEX Fund	42.42	17	2	0.80	ETF	2014-10-22	2.85	Europe
40	GSEU	Goldman Sachs ActiveBeta Europe Equity ETF	36.44	11	1	0.25	ETF	2016-03-04	3.30	Europe
41	RFEU	First Trust RiverFront Dynamic Europe ETF	65.66	10	0.3	0.83	ETF	2016-04-14	3.26	Europe
42	EUDV	ProShares MSCI Europe Div Growers	48.90	9	2	0.55	ETF	2015-09-11	1.83	Europe
43	FPXE	First Trust IPOX Europe Equity Opportunities ETF	25.33	5	0.3	0.70	ETF	2018-10-04	2.04	Europe
44	NRSH	Aztlan N. Am Nearshoring Stock Selection ETF	21.98	10	1	0.75	ETF	2023-11-29	NA	North America

REGIONAL SECTOR EQUITY										Grouped by sector and sorted by AUM
10	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Sector
1	FINE	Themes European Luxury ETF	25.71	1	1	0.35	ETF	2023-12-14	NA	Consumer Discretionary
2	GPOW	Goldman Sachs N. Am Pipelines & Power Equity ETF	44.60	7	0.0	0.55	ETF	2023-07-13	NA	Energy
3	EUFN	iShares MSCI Europe Financials ETF	22.74	1,330	393	0.51	ETF	2010-01-20	4.64	Financials
4	EMLP	First Trust N. Am Energy Infrastructure Fund	29.53	2,439	238	0.96	ETF	2012-06-21	3.66	MLPs
5	TPYP	Tortoise North American Pipeline Fund	27.96	488	26	0.40	ETF	2015-06-29	4.54	MLPs
6	UMI	USCF Midstream Energy Income Fund	40.34	251	10	0.85	ETF	2021-03-24	5.42	MLPs
7	AMJB	Alerian MLP Index ETNs due January 28 2044	28.50	110	22	0.85	Note	2024-01-26	NA	MLPs
8	USAI	Pacer American Energy Independence ETF	31.72	54	5	0.75	ETF	2017-12-13	4.55	MLPs
9	IGV	iShares Expanded Tech-Software Sector ETF	85.27	7,459	2,589	0.48	ETF	2001-07-13	0.01	Tech - Software
10	IGM	iShares Expanded Tech Sector ETF	86.18	4,326	166	0.48	ETF	2001-03-19	0.32	Technology

SINGLE COUNTRY EQUITY										Grouped by country and sorted by AUM
131	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Country
1	ARGT	Global X MSCI Argentina ETF	53.79	183	61	0.59	ETF	2011-03-03	1.53	Argentina
2	EWA	iShares MSCI Australia ETF	24.66	1,868	2,166	0.49	ETF	1996-03-18	3.70	Australia

SINGLE COUNTRY EQUITY										Grouped by country and sorted by AUM
131	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Country
3	FLAU	Franklin FTSE Australia ETF	28.83	27		6 0.09	ETF	2017-11-02	3.60	Australia
4	EWO	iShares MSCI Austria ETF	21.72	59		8 0.49	ETF	1996-03-18	5.64	Austria
5	EWK	iShares MSCI Belgium ETF	18.74	21		4 0.49	ETF	1996-03-18	2.11	Belgium
6	EWZ	iShares MSCI Brazil ETF	32.42	5,087	18,920	0.59	ETF	2000-07-14	6.18	Brazil
7	EWZS	iShares MSCI Brazil Small-Cap ETF	14.54	229	317	0.59	ETF	2010-09-29	2.92	Brazil
8	FLBR	Franklin FTSE Brazil ETF	19.59	162	70	0.19	ETF	2017-11-03	9.58	Brazil
9	BRF	VanEck Brazil Small-Cap ETF	16.77	28	2	0.66	ETF	2009-05-14	5.41	Brazil
10	FBZ	First Trust Brazil AlphaDEX Fund	12.15	7	3	0.80	ETF	2011-04-19	4.17	Brazil
11	BRAZ	Global X Brazil Active ETF	26.98	3	0	0.75	ETF	2023-08-18	NA	Brazil
12	BBCA	JPMorgan BetaBuilders Canada ETF	66.81	7,076	249	0.19	ETF	2018-08-08	2.46	Canada
13	EWC	iShares MSCI Canada ETF	38.28	2,847	1,718	0.49	ETF	1996-03-18	2.19	Canada
14	FLCA	Franklin FTSE Canada ETF	34.69	410	28	0.09	ETF	2017-11-02	2.40	Canada
15	ECH	iShares MSCI Chile ETF	26.57	569	254	0.59	ETF	2007-11-16	5.05	Chile
16	KWEB	KraneShares CSI China Internet ETF	26.25	5,431	20,711	0.69	ETF	2013-08-01	0.16	China
17	MCHI	iShares MSCI China ETF	39.73	4,823	3,902	0.59	ETF	2011-03-31	3.51	China
18	FXI	iShares China Large-Cap ETF	24.07	4,481	38,215	0.74	ETF	2004-10-08	3.10	China
19	ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	24.07	1,682	3,242	0.65	ETF	2013-11-06	2.42	China
20	CQQQ	Invesco China Technology ETF	32.05	613	167	0.65	ETF	2009-12-08	0.60	China
21	GXC	SPDR S&P China ETF	65.78	480	57	0.59	ETF	2007-03-23	3.76	China
22	CXSE	WisdomTree China ex-State-Owned Enterprises	26.38	360	35	0.32	ETF	2012-09-19	0.86	China
23	CHIQ	Global X MSCI China Consumer Discretionary ETF	17.08	233	65	0.65	ETF	2009-12-01	2.27	China
24	KBA	KraneShares Boserer MSCI China A 50 Connect	21.39	190	64	0.56	ETF	2014-03-05	2.23	China
25	CNYA	iShares MSCI China A ETF	25.95	185	57	0.65	ETF	2016-06-15	4.13	China
26	PGJ	Invesco Golden Dragon China ETF	24.58	150	65	0.70	ETF	2004-12-09	2.50	China
27	FLCH	Franklin FTSE China ETF	15.78	113	30	0.19	ETF	2017-11-02	3.47	China
28	KGRN	KraneShares MSCI China Clean Tech Index ETF	20.26	57	16	0.78	ETF	2017-10-13	0.84	China
29	ECNS	iShares MSCI China Small-Cap ETF	23.91	52	13	0.59	ETF	2010-09-29	5.23	China
30	KURE	Kraneshares MSCI All China Health Care Index ETF	14.53	47	12	0.65	ETF	2018-01-31	0.78	China
31	RAYC	Rayliant Quantamental China Equity ETF	13.46	36	12	0.80	ETF	2020-12-30	4.24	China
32	KSTR	KraneShares SSE STAR Market 50 Index ETF	10.94	25	26	0.88	ETF	2021-01-26	-	China
33	MCH	Matthews China Active ETF	18.79	21	4	0.79	ETF	2022-07-14	1.61	China
34	ASHS	Xtrackers Harvest CSI 500 China A-Shares Small Cap	25.92	21	13	0.65	ETF	2014-05-21	0.66	China
35	CNXT	VanEck ChiNext ETF	22.96	15	4	0.65	ETF	2014-07-24	-	China
36	JCHI	JPMorgan Active China ETF	39.07	10	0.2	0.65	ETF	2023-03-15	2.09	China
37	KFVG	KraneShares CICC China 5G and Semiconductor	14.71	10	6	0.65	ETF	2020-11-23	0.26	China
38	CGRO	CoreValues Alpha Greater China Growth ETF	19.80	7	0	0.75	ETF	2023-10-02	NA	China
39	FCA	First Trust China AlphaDEX Fund	18.71	7	5	0.80	ETF	2011-04-21	6.08	China
40	TCHI	iShares MSCI China Multisector Tech ETF	16.31	6	3	0.59	ETF	2022-01-27	4.02	China
41	KALL	KraneShares MSCI All China Index ETF	18.00	6	1	0.48	ETF	2015-02-12	3.36	China
42	KTEC	KraneShares Hang Seng TECH Index ETF	10.91	5	6	0.68	ETF	2021-06-08	0.84	China
43	NBCE	Neuberger Berman China Equity ETF	23.60	5	0.0	0.75	ETF	2013-07-17	-	China
44	AFTY	Pacer CSOP FTSE China A50 ETF	13.96	4	1	0.70	ETF	2015-03-12	2.13	China
45	MCHS	Matthews China Discovery Active ETF	25.55	2	0	0.89	ETF	2024-01-11	NA	China
46	PCCE	Polen Capital China Growth ETF	9.74	1	NA	1.05	ETF	2024-03-14	NA	China
47	GXG	Global X MSCI Colombia ETF	25.23	42	23	0.63	ETF	2009-02-09	6.27	Colombia
48	EDEN	iShares MSCI Denmark ETF	122.17	275	16	0.53	ETF	2012-01-26	1.78	Denmark
49	EFNL	iShares MSCI Finland ETF	35.04	23	2	0.56	ETF	2012-01-26	4.43	Finland
50	EWQ	iShares MSCI France ETF	41.41	678	480	0.50	ETF	1996-03-18	2.61	France
51	EWG	iShares MSCI Germany ETF	31.75	999	1,346	0.49	ETF	1996-03-18	2.43	Germany
52	DAX	Global X Dax Germany ETF	33.40	57	8	0.20	ETF	2014-10-23	2.32	Germany
53	HEWG	iShares Curr-H MSCI Germany ETF	35.47	35	2	1.01	ETF	2014-02-04	0.19	Germany
54	FLGR	Franklin FTSE Germany ETF	24.94	20	6	0.09	ETF	2017-11-02	2.81	Germany
55	FGM	First Trust Germany AlphaDEX Fund	40.10	12	1	0.80	ETF	2012-02-17	2.77	Germany
56	GREK	Global X MSCI Greece ETF	40.01	195	39	0.57	ETF	2011-12-08	2.48	Greece
57	EWH	iShares MSCI Hong Kong ETF	15.55	491	2,700	0.49	ETF	1996-03-18	4.70	Hong Kong
58	FLHK	Franklin FTSE Hong Kong ETF	16.54	10	2	0.09	ETF	2017-11-02	5.87	Hong Kong
59	INDA	iShares MSCI India ETF	51.59	9,486	4,554	0.65	ETF	2012-02-03	0.16	India
60	EPI	WisdomTree India Earnings Fund	43.56	2,878	1,451	0.84	ETF	2008-02-22	0.14	India
61	FLIN	Franklin FTSE India ETF	36.85	890	184	0.19	ETF	2018-02-06	0.69	India
62	INDY	iShares India 50 ETF	50.44	869	99	0.93	ETF	2009-11-20	0.38	India
63	SMIN	iShares MSCI India Small-Cap ETF	70.27	782	343	0.79	ETF	2012-02-09	0.40	India
64	INCO	Columbia India Consumer ETF	64.01	248	54	0.75	ETF	2011-08-10	3.51	India
65	PIN	Invesco India Exchange-Traded Fund Trust	26.73	241	72	0.78	ETF	2008-03-05	2.37	India
66	NFTY	First Trust India Nifty 50 Equ	56.96	190	30	0.80	ETF	2012-02-14	0.17	India

SINGLE COUNTRY EQUITY										Grouped by country and sorted by AUM
131	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Country
67	GLIN	VanEck India Growth Leaders ETF	47.13	135	36	0.77	ETF	2010-08-25	0.90	India
68	INQQ	INQQ The India Internet & Ecommerce ETF	14.35	34	35	0.86	ETF	2022-04-06	0.04	India
69	DGIN	VanEck Digital India ETF	38.63	17	7	0.71	ETF	2022-02-17	0.23	India
70	NDIA	Global X India Active ETF	28.99	11	2	0.75	ETF	2023-08-18	NA	India
71	INDF	Nifty India Financials ETF	35.29	8	1	0.75	ETF	2020-10-21	8.76	India
72	INDE	Matthews India Active ETF	28.21	7	2	0.79	ETF	2023-09-22	NA	India
73	IOPP	Simplify Tara India Opportunities ETF	25.07	3	8	0.70	ETF	2024-03-04	NA	India
74	EIDO	iShares MSCI Indonesia ETF	22.53	502	392	0.59	ETF	2010-05-07	2.99	Indonesia
75	IDX	VanEck Indonesia Index ETF	16.20	28	7	0.57	ETF	2009-01-20	3.86	Indonesia
76	EIRL	iShares MSCI Ireland ETF	69.34	121	6	0.49	ETF	2010-05-07	0.90	Ireland
77	EIS	iShares MSCI Israel ETF	63.77	172	48	0.59	ETF	2008-03-28	1.29	Israel
78	IZRL	ARK Israel Innovative Technology ETF	21.03	109	15	0.49	ETF	2017-12-05	-	Israel
79	ITEQ	Amplify BlueStar Israel Technology ETF	48.26	87	4	0.75	ETF	2015-11-03	-	Israel
80	ISRA	VanEck Israel ETF	37.53	67	3	0.59	ETF	2013-06-26	1.80	Israel
81	EWI	iShares MSCI Italy ETF	37.72	427	345	0.49	ETF	1996-03-18	3.10	Italy
82	EWJ	iShares MSCI Japan ETF	71.35	16,896	9,892	0.49	ETF	1996-03-18	1.87	Japan
83	BBJP	JPMorgan BetaBuilders Japan ETF	58.55	11,838	1,857	0.19	ETF	2018-06-18	2.80	Japan
84	DXJ	WisdomTree Japan Hedged Equity Fund	108.50	4,662	1,246	0.48	ETF	2006-06-16	2.54	Japan
85	FLJP	Franklin FTSE Japan ETF	31.03	1,926	454	0.09	ETF	2017-11-02	2.76	Japan
86	DBJP	Xtrackers MSCI Japan Hedged Equity ETF	74.85	388	32	0.47	ETF	2011-06-09	4.40	Japan
87	EWJV	iShares MSCI Japan Value ETF	33.23	358	101	0.15	ETF	2019-03-07	2.98	Japan
88	HEWJ	iShares Curr-H MSCI Japan ETF	42.05	319	192	1.02	ETF	2014-02-04	1.25	Japan
89	DFJ	WisdomTree Japan SmallCap Dividend Fund	77.30	247	81	0.58	ETF	2006-06-16	1.57	Japan
90	FJP	First Trust Japan AlphaDEX Fund	55.13	205	10	0.80	ETF	2011-04-26	3.66	Japan
91	SCJ	iShares MSCI Japan Small-Cap ETF	74.98	135	34	0.49	ETF	2007-12-21	1.95	Japan
92	JPXN	iShares JPX-Nikkei 400 ETF /US	74.98	90	9	0.48	ETF	2001-10-26	2.38	Japan
93	DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	33.49	67	19	0.58	ETF	2013-06-28	1.79	Japan
94	FLJH	Franklin FTSE Japan Hedged ETF	31.45	50	34	0.09	ETF	2017-11-02	NA	Japan
95	GSJY	Goldman Sachs ActiveBeta Japan Equity ETF	39.20	23	1	0.25	ETF	2016-03-04	1.94	Japan
96	JPAN	Matthews Japan Active ETF	30.56	2	3	0.79	ETF	2023-09-22	NA	Japan
97	KWT	iShares MSCI Kuwait ETF	33.60	75	7	0.74	ETF	2020-09-03	2.07	Kuwait
98	EWK	iShares MSCI Malaysia ETF	21.79	252	333	0.49	ETF	1996-03-18	3.36	Malaysia
99	EWX	iShares MSCI Mexico ETF	69.31	2,104	2,003	0.49	ETF	1996-03-18	2.15	Mexico
100	FLMX	Franklin FTSE Mexico ETF	34.02	46	13	0.19	ETF	2017-11-03	2.83	Mexico
101	EWN	iShares MSCI Netherlands ETF	49.48	260	157	0.49	ETF	1996-03-18	1.63	Netherlands
102	ENZL	iShares MSCI New Zealand ETF	45.49	89	22	0.49	ETF	2010-09-02	3.20	New Zealand
103	NORW	Global X MSCI Norway ETF	24.53	49	5	0.51	ETF	2009-08-19	5.43	Norway
104	ENOR	iShares MSCI Norway ETF	23.49	28	4	0.53	ETF	2012-01-24	5.20	Norway
105	EPV	iShares MSCI Peru and Global Exposure ETF	39.17	109	26	0.59	ETF	2009-06-22	3.64	Peru
106	EPHE	iShares MSCI Philippines ETF	27.63	128	100	0.59	ETF	2010-09-29	1.89	Philippines
107	EPOL	iShares MSCI Poland ETF	23.59	317	263	0.59	ETF	2010-05-26	2.76	Poland
108	QAT	iShares MSCI Qatar ETF	17.64	80	3	0.59	ETF	2014-05-01	4.12	Qatar
109	KSA	iShares MSCI Saudi Arabia ETF	44.16	828	446	0.74	ETF	2015-09-17	2.36	Saudi Arabia
110	FLSA	Franklin FTSE Saudi Arabia ETF	37.90	19	1	0.39	ETF	2018-10-09	2.98	Saudi Arabia
111	EWS	iShares MSCI Singapore ETF	18.36	424	462	0.49	ETF	1996-03-18	6.59	Singapore
112	EWY	iShares MSCI South Korea ETF	67.11	5,151	3,210	0.59	ETF	2000-05-12	2.48	South Korea
113	FLKR	Franklin FTSE South Korea ETF	23.38	301	44	0.09	ETF	2017-11-02	2.24	South Korea
114	MKOR	Matthews Korea Active ETF	26.19	66	2	0.79	ETF	2023-07-17	NA	South Korea
115	KPOP	JAKOTA K-Pop and Korean Entertainment ETF	16.92	3	0.4	0.75	ETF	2022-09-01	-	South Korea
116	EWP	iShares MSCI Spain ETF	32.17	1,061	157	0.49	ETF	1996-03-18	2.60	Spain
117	EWD	iShares MSCI Sweden ETF	39.96	281	307	0.49	ETF	1996-03-18	2.41	Sweden
118	EWL	iShares MSCI Switzerland ETF	47.60	1,101	880	0.49	ETF	1996-03-18	2.19	Switzerland
119	FSZ	First Trust Switzerland AlphaDEX Fund	63.71	86	2	0.80	ETF	2012-02-16	2.04	Switzerland
120	FLSW	Franklin FTSE Switzerland ETF	32.84	46	2	0.09	ETF	2018-02-06	2.43	Switzerland
121	EWT	iShares MSCI Taiwan ETF	48.68	4,091	3,096	0.59	ETF	2000-06-23	3.61	Taiwan
122	FLTW	Franklin FTSE Taiwan ETF	43.83	224	14	0.19	ETF	2017-11-02	2.68	Taiwan
123	THD	iShares MSCI Thailand ETF	58.41	249	36	0.59	ETF	2008-03-28	3.20	Thailand
124	TUR	iShares MSCI Turkey ETF	35.94	208	167	0.59	ETF	2008-03-28	3.96	Turkey
125	EWU	iShares MSCI United Kingdom ETF	34.21	2,586	2,433	0.49	ETF	1996-03-18	4.03	U.K.
126	FLGB	Franklin FTSE United Kingdom ETF	26.13	653	70	0.09	ETF	2017-11-02	3.84	U.K.
127	FKU	First Trust United Kingdom AlphaDEX Fund	37.76	62	5	0.80	ETF	2012-02-14	3.99	U.K.
128	EWUS	iShares MSCI United Kingdom Small-Cap ETF	35.17	40	5	0.59	ETF	2012-01-26	2.90	U.K.
129	UAE	iShares MSCI UAE ETF	14.79	40	11	0.59	ETF	2014-05-01	3.24	United Arab Emirates

SINGLE COUNTRY EQUITY										Grouped by country and sorted by AUM
131	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Country
130	VNM	VanEck Vietnam ETF	13.90	561	388	0.66	ETF	2009-08-14	0.14	Vietnam
131	VNAM	Global X MSCI Vietnam ETF	17.86	13	7	0.55	ETF	2021-12-09	0.46	Vietnam

THEMATIC EQUITY										Grouped by theme and sorted by AUM
202	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Theme
1	MOO	VanEck Agribusiness ETF	75.13	828	69	0.53	ETF	2007-09-05	3.01	Agriculture
2	VEGI	iShares MSCI Agriculture Producers ETF	38.50	133	14	0.41	ETF	2012-02-02	2.53	Agriculture
3	FTAG	First Trust Indxx Global Agriculture ETF	25.65	10	3	0.70	ETF	2010-03-12	3.75	Agriculture
4	IVEG	iShares Emergent Food And AgTech Multisector ETF	20.28	5	2	0.47	ETF	2022-04-27	1.03	Agriculture
5	KROP	Global X AgTech & Food Innovation ETF	11.15	4	4	0.50	ETF	2021-07-14	1.32	Agriculture
6	YUMY	VanEck Future of Food ETF	16.66	3	1	0.69	ETF	2021-12-02	0.30	Agriculture
7	BOTZ	Global X Robotics & Artificial Intelligence ETF	31.81	2,863	1,158	0.69	ETF	2016-09-13	0.18	AI & Automation
8	AIQ	Global X Artificial Intelligence & Technology ETF	33.96	1,630	809	0.68	ETF	2018-05-15	0.15	AI & Automation
9	ROBO	ROBO Global Robotics and Automation Index ETF	58.64	1,354	79	0.95	ETF	2013-10-22	0.05	AI & Automation
10	ARKQ	ARK Autonomous Technology & Robotics ETF	54.71	883	120	0.75	ETF	2014-09-30	-	AI & Automation
11	IRBO	iShares Robotics and AI Multisector ETF	34.35	672	133	0.47	ETF	2018-06-28	0.90	AI & Automation
12	ROBT	First Trust Nasdaq AI and Robotics ETF	45.24	557	86	0.65	ETF	2018-02-22	0.22	AI & Automation
13	IGPT	Invesco AI and Next Gen Software ETF	45.24	283	85	0.60	ETF	2005-06-23	-	AI & Automation
14	WTAL	Wisdomtree AI And Innovation Fund	20.77	248	141	0.45	ETF	2021-12-09	0.12	AI & Automation
15	THNQ	Robo Global Artificial Intelligence ETF	44.11	179	24	0.68	ETF	2020-05-07	-	AI & Automation
16	CHAT	Roundhill Generative AI & Technology ETF	35.59	132	91	0.75	ETF	2023-05-18	NA	AI & Automation
17	FBOT	Fidelity Disruptive Automation ETF	26.63	109	18	0.50	ETF	2023-06-12	NA	AI & Automation
18	LRNZ	TrueShares Tech AI & Deep Learning	39.09	43	13	0.68	ETF	2020-02-28	-	AI & Automation
19	IQM	Franklin Intelligent Machines ETF	58.40	20	3	0.50	ETF	2020-02-27	-	AI & Automation
20	WISE	Themes Generative Artificial Intelligence ETF	30.43	20	42	0.35	ETF	2023-12-08	NA	AI & Automation
21	IBOT	VanEck Robotics ETF	44.00	10	3	0.47	ETF	2023-04-06	1.89	AI & Automation
22	GAST	Gabelli Automation ETF	26.41	5	0.0	0.00	ETF	2022-01-05	0.78	AI & Automation
23	BLOK	Amplify Transformational Data Sharing ETF	36.44	750	296	0.75	ETF	2018-01-17	1.00	Blockchain Technology
24	BKCH	Global X Blockchain ETF	50.98	165	107	0.50	ETF	2021-07-14	2.37	Blockchain Technology
25	BITQ	Bitwise Crypto Industry Innovators ETF	13.16	139	221	0.85	ETF	2021-05-12	1.45	Blockchain Technology
26	DAPP	VanEck Digital Transformation ETF	11.65	112	409	0.51	ETF	2021-04-14	-	Blockchain Technology
27	LEGR	First Trust Indxx Innovative Transaction & Process	42.95	105	10	0.65	ETF	2018-01-24	2.40	Blockchain Technology
28	FDIG	Fidelity Crypto Industry And Digital Payments ETF	29.44	102	125	0.39	ETF	2022-04-21	0.19	Blockchain Technology
29	WGMI	Valkyrie Bitcoin Miners ETF	18.30	101	472	0.75	ETF	2022-02-07	0.34	Blockchain Technology
30	BLCN	Siren Nasdaq NexGen Economy ETF	28.23	79	48	0.68	ETF	2018-01-17	0.58	Blockchain Technology
31	CRPT	FT SkyBridge Crypto Industry and Digital Econ	14.45	60	108	0.85	ETF	2021-09-15	-	Blockchain Technology
32	STCE	Schwab Crypto Thematic ETF	40.14	38	29	0.30	ETF	2022-08-04	0.27	Blockchain Technology
33	IBLC	iShares Blockchain And Tech ETF	31.39	24	14	0.47	ETF	2022-04-25	1.83	Blockchain Technology
34	KOIN	Capital Link Global Fintech Leaders ETF	33.21	13	1	0.75	ETF	2018-01-30	2.16	Blockchain Technology
35	BCDF	Horizons Kinetics Blockchain Development ETF	25.00	9	3	0.85	ETF	2022-08-01	0.70	Blockchain Technology
36	GFOF	Grayscale Future of Finance ETF	18.94	9	6	0.70	ETF	2022-02-02	3.68	Blockchain Technology
37	BLKC	Invesco Alerian Galaxy Blockchain and Decentralized	20.68	3	8	0.60	ETF	2021-10-07	2.02	Blockchain Technology
38	BWEB	Bitwise Web3 ETF	47.21	3	1	0.85	ETF	2022-10-04	-	Blockchain Technology
39	EMC	Global X Emerging Markets Consumer ETF	26.15	160	30	0.75	ETF	2010-09-24	1.72	Consumers
40	MILN	Global X Funds Global X Millennial Consumer ETF	39.10	123	12	0.50	ETF	2016-05-05	0.31	Consumers
41	GBUY	Goldman Sachs Future Consumer Equity ETF	31.70	88	7	0.75	ETF	2019-03-07	0.00	Consumers
42	NETZ	TCW Transform Systems ETF	68.42	134	9	0.75	ETF	2022-02-02	0.66	Energy Transition
43	NBCT	Neuberger Berman Carbon Transition & Infr ETF	26.70	29	1	0.55	ETF	2022-04-06	1.16	Energy Transition
44	GMET	VanEck Green Metals ETF	23.99	24	6	0.63	ETF	2021-11-11	2.00	Energy Transition
45	SETM	Sprott Energy Transition Materials ETF	17.32	12	5	0.65	ETF	2023-02-01	2.49	Energy Transition
46	HEAT	Touchstone Climate Transition ETF	25.76	12	0.1	0.69	ETF	2023-04-28	NA	Energy Transition
47	IBAT	iShares Energy Storage & Materials ETF	25.63	8	NA	0.47	ETF	2024-03-21	NA	Energy Transition
48	NTZG	Nuveen Global Net Zero Transition ETF	32.17	6	0.2	0.56	ETF	2022-06-23	1.37	Energy Transition
49	PWER	Macquarie Energy Transition ETF	27.48	6	0	0.79	ETF	2023-11-29	NA	Energy Transition
50	NVIR	Horizons Kinetics Energy Remediation ETF	28.13	4	0.4	0.85	ETF	2023-02-22	1.24	Energy Transition
51	PAVE	Global X US Infrastructure Development ETF	39.81	7,344	1,554	0.47	ETF	2017-03-08	0.60	Infrastructure
52	IGF	iShares Global Infrastructure ETF	47.62	3,574	327	0.48	ETF	2007-12-12	3.34	Infrastructure
53	IFRA	iShares U.S. Infrastructure ETF	43.36	2,358	347	0.30	ETF	2018-04-03	1.82	Infrastructure
54	NFRA	FlexShares STOXX Global Broad Infr Index Fund	54.59	2,295	54	0.47	ETF	2013-10-08	1.54	Infrastructure
55	GII	SPDR S&P Global Infrastructure ETF	54.15	404	19	0.40	ETF	2007-01-31	3.68	Infrastructure
56	TOLZ	ProShares DJ Brookfield Global Infrastructure ETF	45.93	140	18	0.46	ETF	2014-03-25	3.26	Infrastructure
57	DTCR	Global X Data Center & Digital Infrastructure	15.48	62	-	0.50	ETF	2020-10-29	1.13	Infrastructure
58	IDGT	iShares US Digital Infr and Real Estate ETF	72.14	43	6	0.41	ETF	2001-07-13	0.50	Infrastructure

THEMATIC EQUITY										Grouped by theme and sorted by AUM
202	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Theme
59	BLDD	JPMorgan Sustainable Infrastructure ETF	47.54	25	0.3	0.49	ETF	2022-09-07	1.71	Infrastructure
60	EMIF	iShares Emerging Markets Infrastructure ETF	21.89	22	1	0.75	ETF	2009-06-19	2.59	Infrastructure
61	SIMS	SPDR S&P Kensho Intelligent Structures ETF	34.66	19	4	0.45	ETF	2017-12-27	1.32	Infrastructure
62	BKGI	BNY Mellon Global Infrastructure Income ETF	29.04	17	0.2	0.65	ETF	2022-11-03	4.88	Infrastructure
63	RBLD	First Trust Alerian US NextGen Infrastructure ETF	62.27	9	1	0.70	ETF	2008-10-15	1.19	Infrastructure
64	INFR	Clearbridge Sustainable Infrastructure ETF	23.80	8	0.1	0.59	ETF	2022-12-14	3.20	Infrastructure
65	BILD	Macquarie Global Listed Infrastructure ETF	25.40	5	0	0.49	ETF	2023-11-29	NA	Infrastructure
66	EFRA	iShares Environmental Infr And Industrials ETF	30.89	5	0.3	0.47	ETF	2022-11-03	0.69	Infrastructure
67	UPGR	Xtrackers US Green Infr Select Equity ETF	19.95	4	0.2	0.35	ETF	2023-07-13	NA	Infrastructure
68	OBOR	KraneShares MSCI One Belt One Road Index ETF	20.88	4	2	0.78	ETF	2017-09-08	3.26	Infrastructure
69	GLIF	AGF Global Infrastructure ETF	26.13	4	1	0.45	ETF	2019-05-23	2.53	Infrastructure
70	RNEW	Vaneck Green Infrastructure ETF	23.50	2	0.1	0.46	ETF	2022-10-20	0.93	Infrastructure
71	ARKK	ARK Innovation ETF	50.08	7,748	11,152	0.75	ETF	2014-10-31	-	Innovation
72	XT	iShares Exponential Technologies ETF	59.62	3,460	97	0.47	ETF	2015-03-23	0.42	Innovation
73	KOMP	SPDR S&P Kensho New Economies Composite ETF	48.08	2,002	166	0.20	ETF	2018-10-23	1.24	Innovation
74	TECB	iShares U.S. Tech Breakthrough Multisector ETF	47.88	409	37	0.40	ETF	2020-01-08	0.24	Innovation
75	JTEK	JPMorgan US Tech Leaders ETF	66.15	316	54	0.65	ETF	2023-10-05	NA	Innovation
76	FWD	AB Disruptors ETF	72.40	288	15	0.65	ETF	2023-03-22	-	Innovation
77	SNSR	Global X Internet of Things ETF	36.23	286	20	0.68	ETF	2016-09-13	0.74	Innovation
78	QTUM	Defiance Quantum ETF	61.37	254	41	0.40	ETF	2018-09-05	0.76	Innovation
79	ARKX	ARK Space Exploration & Innovation ETF	14.94	249	66	0.75	ETF	2021-03-30	-	Innovation
80	TMAT	Main Thematic Innovation ETF	17.53	135	14	1.58	ETF	2021-01-29	-	Innovation
81	PRNT	The 3D Printing ETF	22.68	134	17	0.66	ETF	2016-07-19	-	Innovation
82	FDIF	Fidelity Disruptors ETF	28.73	101	10	0.50	ETF	2023-06-20	NA	Innovation
83	DTEC	ALPS Disruptive Technologies ETF	42.25	100	7	0.50	ETF	2017-12-29	0.27	Innovation
84	SPRX	Spear Alpha ETF	23.45	74	106	0.75	ETF	2021-08-03	-	Innovation
85	DRUP	GraniteShares Nasdaq Select Disruptors ETF	50.28	58	2	0.60	ETF	2019-10-07	0.24	Innovation
86	LOUP	Innovator Deepwater Frontier Tech ETF	47.75	55	8	0.70	ETF	2018-07-25	-	Innovation
87	KNCT	Invesco Next Gen Connectivity ETF	94.12	40	2	0.40	ETF	2005-06-23	0.90	Innovation
88	PP	The Meet Kevin Pricing Power ETF	27.12	40	18	0.76	ETF	2022-11-17	0.02	Innovation
89	DYNI	IDX Dynamic Innovation ETF	29.27	39	7	0.75	ETF	2023-11-14	NA	Innovation
90	TRFM	AAM Transformers ETF	33.64	37	6	0.49	ETF	2022-07-12	-	Innovation
91	CRTC	Xtrackers US National Critical Technologies ETF	29.68	37	3	0.35	ETF	2023-11-16	NA	Innovation
92	INNO	Harbor Disruptive Innovation ETF	16.32	34	3	0.75	ETF	2021-12-02	-	Innovation
93	ILDR	First Trust Innovation Leaders ETF	22.34	30	6	0.76	ETF	2021-05-26	-	Innovation
94	MOON	Direxion Moonshot Innovators ETF	10.86	26	21	0.65	ETF	2020-11-12	1.90	Innovation
95	GXTG	Global X Thematic Growth ETF	24.14	25	7	0.50	ETF	2019-10-25	2.06	Innovation
96	ROKT	SPDR S&P Kensho Final Frontiers ETF	44.85	17	1	0.45	ETF	2018-10-23	0.67	Innovation
97	NBDS	Neuberger Berman Disruptors ETF	28.97	16	3	0.55	ETF	2022-04-06	-	Innovation
98	BKIV	BNY Mellon Innovators ETF	31.76	14	0.1	0.50	ETF	2023-05-17	NA	Innovation
99	DARP	Grizzle Growth ETF	29.59	14	0	0.75	ETF	2023-08-28	NA	Innovation
100	ANEW	ProShares MSCI Transformational Changes ETF	41.57	8	0.3	0.45	ETF	2020-10-16	0.67	Innovation
101	BTHM	BlackRock Future U.S. Themes ETF	29.33	7	1	0.60	ETF	2021-12-16	0.37	Innovation
102	TINY	ProShares Nanotechnology ETF	49.70	5	2	0.58	ETF	2021-10-27	0.30	Innovation
103	GGRW	Gabelli Growth Innovators ETF	25.34	4	2	0.90	ETF	2021-02-16	-	Innovation
104	JFWD	Jacob Forward ETF	11.03	3	0.4	0.75	ETF	2021-07-13	-	Innovation
105	MVPS	Amplify Thematic All-Stars ETF	21.56	3	1	0.49	ETF	2021-07-21	-	Innovation
106	BULD	Pacer BlueStar Engineering the Future ETF	23.85	1	0.3	0.60	ETF	2022-04-18	0.20	Innovation
107	MSOS	AdvisorShares Pure US Cannabis ETF	10.01	1,088	9,626	0.74	ETF	2020-09-20	-	Marijuana
108	MJ	Amplify Alternative Harvest ETF	4.18	283	2,782	0.75	ETF	2015-12-03	4.08	Marijuana
109	MJUS	Amplify US Alternative Harvest ETF	2.19	126	36	0.75	ETF	2021-05-12	1.96	Marijuana
110	YOLO	AdvisorShares Pure Cannabis ETF	4.08	52	83	0.74	ETF	2019-04-18	1.25	Marijuana
111	CNBS	Amplify Seymour Cannabis ETF	5.77	37	41	0.77	ETF	2019-07-23	-	Marijuana
112	TOKE	Cambria Cannabis ETF	6.42	11	7	0.42	ETF	2019-07-25	3.59	Marijuana
113	VICE	AdvisorShares Vice ETF	29.75	8	0.5	0.99	ETF	2017-12-13	1.55	Marijuana
114	WEED	Roundhill Cannabis ETF	43.78	7	10	0.39	ETF	2022-04-20	-	Marijuana
115	LGLZ	Subversive Cannabis ETF	23.11	1	0	0.75	ETF	2023-09-18	NA	Marijuana
116	METV	Roundhill Ball Metaverse ETF	12.43	427	226	0.59	ETF	2021-06-30	0.15	Metaverse
117	FMET	Fidelity Metaverse ETF	29.14	31	11	0.39	ETF	2022-04-21	0.18	Metaverse
118	IVRS	iShares Future Metaverse Tech & Communication	33.00	7	0.3	0.47	ETF	2023-02-16	0.29	Metaverse
119	VERS	Proshares Metaverse ETF	41.36	5	0.4	0.58	ETF	2022-03-17	0.69	Metaverse
120	ARVR	First Trust Indxx Metaverse ETF	35.74	2	0.3	0.70	ETF	2022-04-20	0.11	Metaverse
121	GUNR	FlexShares Mgstar Gbl Upstream Natural Resources	41.07	6,561	633	0.46	ETF	2011-09-22	2.20	Natural Resources
122	GNR	SPDR S&P Global Natural Resources ETF	57.93	3,503	514	0.40	ETF	2010-09-14	3.26	Natural Resources

THEMATIC EQUITY										Grouped by theme and sorted by AUM
202	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Theme
123	IGE	iShares North American Natural Resources ETF	44.99	562	109	0.48	ETF	2001-10-26	2.39	Natural Resources
124	NANR	SPDR S&P North American Natural Resources ETF	54.58	544	18	0.35	ETF	2015-12-16	2.55	Natural Resources
125	WOOD	iShares Global Timber & Forestry ETF	84.38	203	6	0.51	ETF	2008-06-25	1.60	Natural Resources
126	FTRI	First Trust Indxx Global Natural Resources Income	13.27	188	118	0.70	ETF	2010-03-12	5.68	Natural Resources
127	HAP	VanEck Natural Resources ETF	50.93	112	7	0.43	ETF	2008-09-03	3.12	Natural Resources
128	CUT	Invesco MSCI Global Timber ETF	33.92	61	12	0.67	ETF	2007-11-09	2.33	Natural Resources
129	MGNR	American Beacon GLG Natural Resources ETF	28.39	32	2	0.75	ETF	2024-02-05	NA	Natural Resources
130	NDIV	Amplify Natural Resources Dividend Income ETF	29.15	12	4	0.59	ETF	2022-08-24	7.00	Natural Resources
131	NRES	Xtrackers RREEF Global Natural Resources ETF	27.30	12	0	0.45	ETF	2024-02-27	NA	Natural Resources
132	FTWO	Strive Faang 2.0 ETF	27.86	9	9	0.49	ETF	2023-08-31	NA	Natural Resources
133	IPO	Renaissance IPO ETF	41.52	193	56	0.60	ETF	2013-10-16	-	Other
134	ACTV	LeaderShares Activist Leaders ETF	35.13	91	6	0.75	ETF	2020-10-27	1.16	Other
135	PAWZ	Proshares Pet Care ETF	49.81	73	4	0.50	ETF	2018-11-06	0.39	Other
136	BUZZ	VanEck Social Sentiment ETF	21.45	70	23	0.75	ETF	2021-03-02	0.46	Other
137	CSD	Invesco S&P Spin-Off ETF	70.97	58	1	0.65	ETF	2006-12-15	0.48	Other
138	GURU	Global X Guru Index ETF	43.54	43	2	0.75	ETF	2012-06-05	0.54	Other
139	ITAN	Sparkline Intangible Value ETF	29.00	35	3	0.50	ETF	2021-06-29	1.06	Other
140	GK	AdvisorShares Gerber Kawasaki ETF	20.80	21	4	0.81	ETF	2021-07-02	0.11	Other
141	FFND	The Future Fund Active ETF	22.89	11	2	1.01	ETF	2021-08-24	-	Other
142	HLGE	Hartford Longevity Economy ETF	30.02	10	1	0.44	ETF	2021-03-17	1.20	Other
143	TOLL	Tema Monopolies and Oligopolies ETF	31.81	8	1	0.75	ETF	2023-05-11	NA	Other
144	PSIL	Advisorshares Psychedelics ETF	1.49	7	102	0.68	ETF	2021-09-16	0.23	Other
145	IPOS	Renaissance International IPO ETF	13.71	5	1	0.80	ETF	2014-10-07	0.34	Other
146	PTEC	Global X PropTech ETF	32.09	3	0.0	0.50	ETF	2023-04-13	2.23	Other
147	FIXT	Procure Disaster Recovery ETF	34.61	3	0.3	0.75	ETF	2022-06-01	0.57	Other
148	OND	ProShares On-Demand ETF	27.81	1	0.4	0.58	ETF	2021-10-27	0.69	Other
149	CZAR	Themes Natural Monopoly ETF	27.77	1	1	0.35	ETF	2023-12-12	NA	Other
150	ROYA	Tema Global Royalties ETF	26.37	0.3	10	0.75	ETF	2023-08-16	NA	Other
151	ACVF	American Conservative Values ETF	40.47	84	11	0.75	ETF	2020-10-29	0.72	Politics
152	YALL	God Bless America ETF	33.66	68	9	0.65	ETF	2022-10-11	3.14	Politics
153	NANC	Unusual Whales Subversive Democratic Trading ETF	34.44	67	69	0.76	ETF	2023-02-07	0.84	Politics
154	DEMZ	Democratic Large Cap Core ETF	33.15	33	3	0.45	ETF	2020-11-03	0.81	Politics
155	MAGA	Point Bridge America First ETF	46.18	22	1	0.72	ETF	2017-09-07	1.46	Politics
156	KRUZ	Unusual Whales Subversive Republican Trading ETF	30.25	14	10	0.83	ETF	2023-02-07	0.93	Politics
157	DMCY	Democracy International Fund	25.71	8	1	0.50	ETF	2021-03-31	2.84	Politics
158	NSI	National Security Emerging Markets Index ETF	26.51	7	5	1.00	ETF	2023-12-06	NA	Politics
159	DFRA	Donoghue Forlines Yield Enhanced Real Asset ETF	30.72	45	14	0.69	ETF	2021-12-14	4.60	Real Asset
160	VRAI	Virtus Real Asset Income ETF	24.03	17	7	0.55	ETF	2019-02-08	4.61	Real Asset
161	IQRA	IQ CBRE Real Assets ETF	25.18	5	0.1	0.65	ETF	2023-05-10	NA	Real Asset
162	CATH	Global X S&P 500 Catholic Values ETF	63.64	837	29	0.29	ETF	2016-04-19	1.07	Religious
163	SPUS	SP Funds S&P 500 Sharia Industry Exclusions ETF	37.87	510	116	0.45	ETF	2019-12-18	0.79	Religious
164	HLAL	Wahed FTSE USA Shariah ETF	48.36	420	62	0.50	ETF	2019-07-16	0.55	Religious
165	BIBL	Inspire 100 ETF	38.91	379	61	0.35	ETF	2017-10-30	0.94	Religious
166	WWJD	Inspire International ETF	30.02	256	27	0.73	ETF	2019-10-01	2.59	Religious
167	TPHD	Timothy Plan High Dividend Stock ETF	36.17	248	47	0.52	ETF	2019-04-30	1.96	Religious
168	TPLC	Timothy Plan US Large/Mid Cap Core	42.11	232	39	0.52	ETF	2019-04-30	0.80	Religious
169	ISMD	Inspire Small/Mid Cap ETF	36.01	180	19	0.53	ETF	2017-02-28	1.20	Religious
170	BLES	Inspire Global Hope ETF	37.59	178	12	0.56	ETF	2017-02-28	1.85	Religious
171	TPSC	Timothy Plan US Small Cap Core ETF	36.69	123	23	0.52	ETF	2019-12-02	0.96	Religious
172	TIPI	TIMOTHY PLAN-Timothy Plan International ETF	27.25	104	11	0.62	ETF	2019-12-02	2.49	Religious
173	SPRE	SP Funds S&P Global REIT Sharia ETF	20.27	103	44	0.55	ETF	2020-12-30	4.26	Religious
174	FDLS	Inspire Fidelis Multi Factor ETF	30.59	89	10	0.76	ETF	2022-08-24	1.01	Religious
175	UMMA	Wahed Dow Jones Islamic World ETF	24.02	85	22	0.65	ETF	2022-01-06	0.79	Religious
176	TPLE	Timothy Plan US Large/Mid Cap Core Enhanced ETF	25.12	74	31	0.52	ETF	2021-07-29	1.25	Religious
177	TPHE	Timothy Plan High Dividend Stock Enhanced ETF	24.63	73	24	0.52	ETF	2021-07-29	2.23	Religious
178	GLRY	Inspire Faithward Mid Cap Momentum ETF	30.05	60	4	0.80	ETF	2020-12-08	0.83	Religious
179	PRAY	FIS Christian Stock Fund	27.78	54	3	0.68	ETF	2022-02-07	0.78	Religious
180	SOVF	Sovereign's Capital Flourish Fund	29.75	38	8	0.75	ETF	2023-10-03	NA	Religious
181	KOCC	FIS Knights of Columbus Global Belief ETF	25.65	24	1	0.75	ETF	2021-07-13	1.39	Religious
182	CEFA	Global X S&P Catholic Values Developed EX-US ETF	31.45	18	1	0.35	ETF	2020-06-24	2.22	Religious
183	SPWO	SP Funds S&P World ex-US ETF	21.24	12	2	0.55	ETF	2023-12-20	NA	Religious
184	PTL	Inspire 500 ETF	202.51	5	NA	0.09	ETF	2024-03-25	NA	Religious
185	SPC	Crossingbridge Pre-Merger Spac ETF	21.40	71	18	0.81	ETF	2021-09-21	3.58	SPAC
186	SPAQ	Horizons Kinetics Spac Active ETF	97.96	16	0.0	0.85	ETF	2023-01-30	2.58	SPAC

THEMATIC EQUITY										Grouped by theme and sorted by AUM
202	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Theme
187	SPAX	Robinson Alternative Yield Pre-Merger SPAC ETF	20.37	16	5	0.50	ETF	2021-06-23	5.33	SPAC
188	SPCX	SPAC & New Issue ETF	23.16	13	2	1.89	ETF	2020-12-16	2.27	SPAC
189	SPCZ	Rivernorth Enhanced Pre-Merger SPAC ETF	26.17	5	0.0	0.89	ETF	2022-07-11	4.92	SPAC
190	DRIV	Global X Autonomous & Electric Vehicles ETF	24.70	606	132	0.68	ETF	2018-04-17	1.64	Vehicle
191	IDRV	iShares Self-Driving EV and Tech ETF	31.43	260	59	0.47	ETF	2019-04-18	2.52	Vehicle
192	KARS	KraneShares Electric Vehicles and Future Mobility	22.46	106	32	0.70	ETF	2018-01-19	1.01	Vehicle
193	CARZ	First Trust S-Network Future V	58.87	38	2	0.70	ETF	2011-05-10	1.18	Vehicle
194	FDRV	Fidelity Electric Vehicles and Future Transportation	14.53	38	10	0.39	ETF	2021-10-07	0.17	Vehicle
195	HAIL	SPDR S&P Kensho Smart Mobility ETF	29.93	37	6	0.45	ETF	2017-12-27	2.93	Vehicle
196	CLNR	IQ Cleaner Transport ETF	23.27	6	0.1	0.45	ETF	2021-10-21	2.83	Vehicle
197	PHO	Invesco Water Resources ETF	66.57	2,124	67	0.59	ETF	2005-12-06	0.53	Water
198	FIW	First Trust Water ETF	102.10	1,644	35	0.54	ETF	2007-05-11	0.64	Water
199	CGW	Invesco S&P Global Water Index ETF	55.53	985	29	0.56	ETF	2007-05-14	1.50	Water
200	PIO	Invesco Global Water ETF	43.11	296	9	0.75	ETF	2007-06-13	0.77	Water
201	EBLU	Ecofin Global Water ESG Fund	46.72	54	2	0.40	ETF	2017-02-15	1.39	Water
202	AQWA	Global X Clean Water ETF	17.49	10	2	0.50	ETF	2021-04-12	1.44	Water

ESG EQUITY										Grouped by focus and sorted by AUM
169	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Focus
1	ESGD	iShares ESG Aware MSCI EAFE ETF	79.91	8,127	362	0.20	ETF	2016-06-30	2.90	Broad - DM
2	DMXF	iShares ESG Advanced MSCI EAFE ETF	68.13	640	35	0.12	ETF	2020-06-18	2.17	Broad - DM
3	NUDM	Nuveen ESG International Dev. Mkts Equity ETF	31.07	417	48	0.31	ETF	2017-06-07	3.01	Broad - DM
4	IQSI	IQ Candriam International Equity ETF	29.87	189	11	0.15	ETF	2019-12-17	2.69	Broad - DM
5	ESGG	FlexShares STOXX Global ESG Select Index Fund	162.88	183	1	0.42	ETF	2016-07-14	1.59	Broad - DM
6	PPIE	Putnam PanAgora ESG International Equity ETF	22.88	161	30	0.49	ETF	2023-01-20	3.14	Broad - DM
7	AVSD	Avantis Responsible International Equity ETF	56.93	139	6	0.23	ETF	2022-03-17	2.42	Broad - DM
8	CVIE	Calvert International Responsible Index ETF	56.97	91	7	0.18	ETF	2023-02-01	1.92	Broad - DM
9	EASG	Xtrackers MSCI EAFE ESG Leaders Equity ETF	31.22	50	3	0.14	ETF	2018-09-06	0.85	Broad - DM
10	MCSE	Martin Currie Sustainable International Equity ETF	15.72	34	5	0.59	ETF	2015-11-30	-	Broad - DM
11	ESGN	Columbia International ESG Equity Income ETF	30.57	8	0.2	0.45	ETF	2016-06-13	3.23	Broad - DM
12	IVRA	Invesco Real Assets ESG ETF	14.18	5	6	0.59	ETF	2020-12-22	2.49	Broad - DM
13	ESGE	iShares ESG Aware MSCI EM ETF	32.23	4,129	873	0.25	ETF	2016-06-30	2.62	Broad - EM
14	NUEM	Nuveen ESG Emerging Markets Equity ETF	27.50	244	43	0.01	ETF	2017-06-07	2.32	Broad - EM
15	EMXF	iShares ESG Advanced MSCI EM ETF	35.60	75	5	0.16	ETF	2020-10-08	2.24	Broad - EM
16	AVSE	Avantis Responsible Emerging Markets Equity ETF	49.06	71	6	0.33	ETF	2022-03-30	3.11	Broad - EM
17	LDEM	iShares ESG MSCI EM Leaders ETF	43.83	33	1	0.17	ETF	2020-02-07	3.20	Broad - EM
18	EMSG	Xtrackers MSCI Emerg Mkts ESG Leaders Equity	24.39	26	2	0.20	ETF	2018-12-06	1.93	Broad - EM
19	PPEM	Putnam PanAgora ESG Emerg Mkts Equity ETF	20.75	24	9	0.60	ETF	2023-01-20	1.88	Broad - EM
20	EMSF	Matthews Emerg Mkts Sustainable Future Active	25.95	19	4	0.79	ETF	2023-09-22	NA	Broad - EM
21	FEEM	FlexShares ESG & Climate Emerg Mkts Core	47.43	5	0.0	0.18	ETF	2022-04-21	1.97	Broad - EM
22	VSGX	Vanguard ESG International Stock ETF	57.47	3,770	132	0.12	ETF	2018-09-20	3.06	Broad - Global
23	SDG	iShares MSCI Global Sustainable Development Goals	78.71	307	11	0.49	ETF	2016-04-22	1.85	Broad - Global
24	LRGE	ClearBridge Large Cap Growth ESG ETF	67.09	225	16	0.59	ETF	2017-05-22	0.10	Broad - Global
25	NXTE	AXS Green Alpha ETF	32.97	57	58	1.00	ETF	2022-09-29	0.78	Broad - Global
26	FEDM	FlexShares ESG & Climate Dev. Mkts ex-US Core	50.05	50	1	0.12	ETF	2021-09-21	1.20	Broad - Global
27	YLDE	ClearBridge Dividend Strategy ESG ETF	47.25	45	3	0.59	ETF	2017-05-22	1.58	Broad - Global
28	PJBF	PGIM Jennison Better Future ETF	57.71	12	0	0.59	ETF	2023-12-14	NA	Broad - Global
29	SROI	Calamos Antetokounmpo Global Sustainable Equities	28.17	11	1	0.95	ETF	2023-02-06	0.89	Broad - Global
30	SXUS	Janus Henderson Intl Sustainable Equity ETF	17.60	7	0.3	0.60	ETF	2021-09-09	1.67	Broad - Global
31	ESGU	iShares ESG Aware MSCI USA ETF	114.96	12,734	1,318	0.15	ETF	2016-12-02	1.25	Broad - U.S.
32	ESGV	Vanguard ESG US Stock ETF	93.19	8,430	239	0.09	ETF	2018-09-20	1.11	Broad - U.S.
33	DSI	iShares MSCI KLD 400 Social ETF	100.81	4,460	131	0.50	ETF	2006-11-17	1.07	Broad - U.S.
34	SUSA	iShares MSCI USA ESG Select ETF	109.17	3,513	81	0.50	ETF	2005-01-28	1.23	Broad - U.S.
35	NULV	Nuveen ESG Large-Cap Value ETF	38.86	1,628	110	0.26	ETF	2016-12-14	2.39	Broad - U.S.
36	NULG	Nuveen ESG Large-Cap Growth ETF	76.28	1,353	69	0.26	ETF	2016-12-14	0.06	Broad - U.S.
37	NUSC	Nuveen ESG Small-Cap ETF	41.59	1,182	102	0.31	ETF	2016-12-14	1.07	Broad - U.S.
38	EFIV	SPDR S&P 500 ESG ETF	50.64	1,176	33	0.10	ETF	2020-07-28	1.25	Broad - U.S.
39	SUSL	iShares ESG MSCI USA Leaders ETF	93.85	1,152	23	0.10	ETF	2019-05-09	1.16	Broad - U.S.
40	SNPE	Xtrackers S&P 500 ESG ETF	47.83	1,151	112	0.10	ETF	2019-06-26	0.88	Broad - U.S.
41	USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	49.36	1,086	27	0.10	ETF	2019-03-07	0.93	Broad - U.S.
42	USXF	iShares ESG Advanced MSCI USA ETF	45.15	990	98	0.10	ETF	2020-06-18	1.09	Broad - U.S.
43	KRMA	Global X Conscious Companies ETF	36.22	637	34	0.43	ETF	2016-07-12	1.08	Broad - U.S.
44	PLDR	Putnam Sustainable Leaders ETF	30.87	487	29	0.59	ETF	2021-05-25	0.50	Broad - U.S.

ESG EQUITY										Grouped by focus and sorted by AUM
169	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Focus
45	IQSU	IQ Candriam US Large Cap Equity ETF	44.36	405	25	0.09	ETF	2019-12-17	1.12	Broad - U.S.
46	NUMG	Nuveen ESG Mid-Cap Growth ETF	44.48	401	31	0.31	ETF	2016-12-14	0.17	Broad - U.S.
47	NUMV	Nuveen ESG Mid-Cap Value ETF	34.20	349	40	0.31	ETF	2016-12-14	2.07	Broad - U.S.
48	CVLC	Calvert US Large-Cap Core Responsible Index ETF	65.63	289	22	0.15	ETF	2023-02-01	1.05	Broad - U.S.
49	AVSU	Avantis Responsible US Equity ETF	61.43	254	20	0.15	ETF	2022-03-17	1.16	Broad - U.S.
50	XVV	iShares ESG Screened S&P 500 ETF	40.29	254	57	0.08	ETF	2020-09-24	1.12	Broad - U.S.
51	PFUT	Putnam Sustainable Future ETF	24.36	244	62	0.64	ETF	2021-05-25	-	Broad - U.S.
52	ESG	FlexShares STOXX US ESG Select Index Fund	126.59	202	5	0.32	ETF	2016-07-14	1.05	Broad - U.S.
53	ESGA	American Century Sustainable Equity ETF	65.86	198	5	0.39	ETF	2020-07-15	1.00	Broad - U.S.
54	IQSM	IQ Candriam US Mid Cap Equity ETF	32.34	195	11	0.15	ETF	2022-10-25	1.05	Broad - U.S.
55	XJH	iShares ESG Screened S&P Mid-Cap ETF	41.08	183	16	0.12	ETF	2020-09-24	1.22	Broad - U.S.
56	TSME	Thrivent Small-Mid Cap ESG ETF	34.64	165	47	0.65	ETF	2022-10-05	0.48	Broad - U.S.
57	STNC	Hennessy Stance ESG ETF	30.27	121	13	0.85	ETF	2021-03-16	0.08	Broad - U.S.
58	MDCP	Victory Portfolios II VictoryShares THB Mid Cap	28.64	109	0.1	0.55	ETF	2021-10-05	0.36	Broad - U.S.
59	XJR	iShares ESG Screened S&P Small-Cap ETF	39.17	72	7	0.12	ETF	2020-09-24	0.67	Broad - U.S.
60	MID	American Century Mid Cap Growth Impact ETF	57.78	69	4	0.45	ETF	2020-07-15	0.06	Broad - U.S.
61	ESGS	Columbia US ESG Equity Income ETF	44.53	58	7	0.45	ETF	2016-06-13	2.14	Broad - U.S.
62	CVMC	Calvert US Mid-Cap Core Responsible Index ETF	57.88	55	6	0.15	ETF	2023-02-01	0.98	Broad - U.S.
63	RAFE	PIMCO RAFI ESG US ETF	35.57	52	5	0.29	ETF	2019-12-18	1.74	Broad - U.S.
64	FEUS	FlexShares ESG & Climate US Large Cap Core	59.10	46	0.4	0.09	ETF	2021-09-21	0.97	Broad - U.S.
65	QQMG	Invesco ESG Nasdaq 100 ETF	30.49	40	10	0.20	ETF	2021-10-27	0.56	Broad - U.S.
66	NULC	Nuveen ESG Large-Cap ETF	43.16	30	1	0.21	ETF	2019-06-04	1.20	Broad - U.S.
67	CVSE	Calvert US Select Equity ETF	63.69	29	0.3	0.29	ETF	2023-02-01	1.16	Broad - U.S.
68	SAEF	Schwab Ariel ESG ETF	24.59	23	2	0.59	ETF	2021-11-16	0.49	Broad - U.S.
69	ESGY	American Century Sustainable Growth ETF	51.06	15	1	0.39	ETF	2021-07-01	0.30	Broad - U.S.
70	FSST	Fidelity Sustainable U.S. Equi	25.26	13	2	0.59	ETF	2021-06-15	0.60	Broad - U.S.
71	CBSE	Clough Select Equity ETF	27.74	13	1	0.85	ETF	2020-11-13	1.36	Broad - U.S.
72	LOPP	Gabelli Love Our Planet & People ETF	26.70	12	1	0.00	ETF	2021-02-01	2.10	Broad - U.S.
73	ESMV	iShares ESG MSCI USA Min Vol Factor ETF	26.62	12	1	0.18	ETF	2021-11-04	1.34	Broad - U.S.
74	SNPG	Xtrackers S&P 500 Growth ESG ETF	38.49	10	0.5	0.15	ETF	2022-11-09	0.87	Broad - U.S.
75	RSPE	Invesco ESG S&P 500 Equal Weight ETF	25.92	9	6	0.20	ETF	2021-11-17	1.80	Broad - U.S.
76	NUDV	Nuveen ESG Dividend ETF	27.33	8	10	0.26	ETF	2021-09-28	2.79	Broad - U.S.
77	MIDE	Xtrackers S&P MidCap 400 ESG ETF	30.03	8	1	0.15	ETF	2021-02-24	0.96	Broad - U.S.
78	NWLG	Nuveen Winslow Large-Cap Growth ESG ETF	29.55	7	1	0.65	ETF	2021-08-05	0.01	Broad - U.S.
79	MOTE	Vaneck Morningstar ESG Moat ETF	27.13	7	0.2	0.49	ETF	2021-10-07	1.07	Broad - U.S.
80	SNPV	Xtrackers S&P 500 Value ESG ETF	30.91	6	0.1	0.15	ETF	2022-11-09	1.67	Broad - U.S.
81	EGUS	iShares ESG Aware MSCI USA Growth ETF	37.32	6	0.2	0.18	ETF	2023-02-02	0.31	Broad - U.S.
82	QQJG	Invesco ESG Nasdaq Next Gen 100 ETF	22.65	6	2	0.20	ETF	2021-10-27	0.58	Broad - U.S.
83	NSCR	Nuveen Sustainable Core ETF	26.17	5	13	0.45	ETF	2024-03-06	NA	Broad - U.S.
84	SNPD	Xtrackers S&P ESG Dividend Aristocrats ETF	26.89	5	0.1	0.15	ETF	2022-11-09	2.52	Broad - U.S.
85	BEEZ	Honeytree US Equity ETF	30.68	5	2	0.64	ETF	2023-11-08	NA	Broad - U.S.
86	ESIX	SPDR S&P SmallCap 600 ESG ETF	29.93	4	0.3	0.12	ETF	2022-01-11	1.66	Broad - U.S.
87	EVUS	iShares ESG Aware MSCI USA Value ETF	27.84	4	1	0.18	ETF	2023-02-02	2.28	Broad - U.S.
88	SMLE	Xtrackers S&P SmallCap 600 ESG ETF	27.26	1	0.3	0.15	ETF	2021-02-24	1.25	Broad - U.S.
89	ACES	ALPS Clean Energy ETF	29.68	228	102	0.55	ETF	2018-06-29	1.61	Clean Energy - DM
90	ECLN	First Trust EIP Carbon Impact ETF	24.58	27	2	0.97	ETF	2019-08-20	2.49	Clean Energy - DM
91	ICLN	iShares Global Clean Energy ETF	13.98	2,420	3,214	0.48	ETF	2008-06-25	1.80	Clean Energy - Global
92	TAN	Invesco Solar ETF	45.37	1,286	1,074	0.67	ETF	2008-04-15	0.11	Clean Energy - Global
93	GRID	First Trust Nasdaq Clean Edge Smart Grid Infr	114.61	995	59	0.57	ETF	2009-11-17	1.16	Clean Energy - Global
94	PBW	Invesco WilderHill Clean Energy ETF	23.05	368	304	0.62	ETF	2005-03-03	3.57	Clean Energy - Global
95	FAN	First Trust Global Wind Energy ETF	15.42	188	37	0.60	ETF	2008-06-18	1.75	Clean Energy - Global
96	SMOG	VanEck Low Carbon Energy ETF	98.32	141	2	0.61	ETF	2007-05-09	1.83	Clean Energy - Global
97	PBD	Invesco Global Clean Energy ETF	14.15	123	52	0.75	ETF	2007-06-13	2.72	Clean Energy - Global
98	CTEC	Global X CleanTech ETF	9.62	53	18	0.50	ETF	2020-10-29	0.59	Clean Energy - Global
99	RNRG	Global X Renewable Energy Producers ETF	9.85	40	13	0.65	ETF	2015-05-28	1.67	Clean Energy - Global
100	HYDR	Global X Hydrogen ETF	5.64	39	61	0.50	ETF	2021-07-14	-	Clean Energy - Global
101	FRNW	Fidelity Clean Energy ETF	14.93	27	8	0.39	ETF	2021-10-07	0.78	Clean Energy - Global
102	HJEN	Direxion Hydrogen ETF	11.07	21	20	0.45	ETF	2021-03-25	1.62	Clean Energy - Global
103	HDRO	Defiance Next Gen H2 ETF	5.27	21	26	0.30	ETF	2021-03-10	0.25	Clean Energy - Global
104	RAYS	Global X Solar ETF	11.77	7	6	0.51	ETF	2021-09-09	-	Clean Energy - Global
105	VCLN	Virtus Duff & Phelps Clean Energy ETF	17.43	7	0.2	0.59	ETF	2021-08-04	1.18	Clean Energy - Global
106	BNE	Blue Horizons New Energy Economy100 ETF	22.63	5	0.4	0.87	ETF	2020-12-09	1.01	Clean Energy - Global
107	WNDY	Global X Wind Energy ETF	12.10	3	1	0.50	ETF	2021-09-09	1.59	Clean Energy - Global
108	RNWX	Trueshares Eagle Global Renewable Energy Income	20.94	2	0.4	0.75	ETF	2022-12-07	2.60	Clean Energy - Global

ESG EQUITY										Grouped by focus and sorted by AUM
169	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Div Yld (%)	Focus
109	QCLN	First Trust Nasdaq Clean Edge Green Energy	34.68	789	200	0.60	ETF	2007-02-14	0.80	Clean Energy - U.S.
110	CNRG	SPDR S&P Kensho Clean Power ETF	64.76	210	17	0.45	ETF	2018-10-23	1.40	Clean Energy - U.S.
111	GCLN	Goldman Sachs Bloomberg Clean Energy Equity ETF	33.13	12	2	0.45	ETF	2021-01-13	1.69	Clean Energy - U.S.
112	SOLR	SmartETFs Sustainable Energy II ETF	28.03	5	1	0.79	ETF	2020-11-12	0.43	Clean Energy - U.S.
113	CTEX	Proshares S&P Kensho Cleantech ETF	23.41	5	0.2	0.58	ETF	2021-09-30	0.18	Clean Energy - U.S.
114	DFSI	Dimensional International Sustainability Core 1 ETF	33.67	407	72	0.24	ETF	2022-11-02	1.98	Environment - DM
115	EFAX	SPDR MSCI EAFE Fossil Fuel Reserves Free ETF	41.59	265	12	0.20	ETF	2016-10-25	2.58	Environment - DM
116	EMCR	Xtrackers EM Carbon Reduction & Climate Improvers	28.34	564	122	0.15	ETF	2018-12-06	1.01	Environment - EM
117	DFSE	Dimensional Emerg Mkts Sustainability Core 1 ETF	32.20	231	45	0.41	ETF	2022-11-02	2.03	Environment - EM
118	EEMX	SPDR MSCI Emerg Mkts Fossil Fuel Reserves Free	31.36	81	5	0.30	ETF	2016-10-25	2.16	Environment - EM
119	LCTU	BlackRock U.S. Carbon Transition Readiness ETF	57.41	1,425	98	0.14	ETF	2021-04-08	1.33	Environment - Global
120	CRBN	iShares MSCI ACWI Low Carbon Target ETF	179.49	933	10	0.20	ETF	2014-12-09	1.88	Environment - Global
121	LCTD	BlackRock World ex US Carbon Transition Readiness	45.67	363	13	0.20	ETF	2021-04-08	3.07	Environment - Global
122	ERTH	Invesco MSCI Sustainable Future ETF	42.26	191	10	0.62	ETF	2006-10-24	1.11	Environment - Global
123	NZAC	SPDR MSCI ACWI Climate Paris Aligned ETF	33.80	112	7	0.12	ETF	2014-11-26	1.56	Environment - Global
124	EVX	VanEck Environmental Services ETF	167.54	75	2	0.55	ETF	2006-10-16	0.88	Environment - Global
125	PABD	iShares Paris-Aligned Climate MSCI World EX USA	53.19	54	1	0.12	ETF	2024-01-19	NA	Environment - Global
126	GSFP	The Goldman Sachs Future Planet Equity ETF	31.27	44	6	0.75	ETF	2021-07-15	3.29	Environment - Global
127	CLIA	Veridien Climate Action ETF	19.25	24	4	0.85	ETF	2023-05-09	NA	Environment - Global
128	RITA	ETFGB Green SRI REITs ETF	19.00	7	0.2	0.50	ETF	2021-12-08	3.47	Environment - Global
129	IWTR	iShares MSCI Water Management Multisector ETF	30.84	6	0.1	0.47	ETF	2022-09-22	3.25	Environment - Global
130	GBLD	Invesco MSCI Green Building ETF	16.75	6	3	0.39	ETF	2021-04-22	7.01	Environment - Global
131	OCEN	IQ Clean Oceans ETF	22.65	5	0.3	0.45	ETF	2021-10-21	1.70	Environment - Global
132	ETEC	iShares Breakthrough Environmental Solutions ETF	21.78	3	0.1	0.47	ETF	2023-03-30	4.04	Environment - Global
133	BECO	BlackRock Future Climate and Sustainable Economy	21.28	3	1	0.70	ETF	2021-08-05	0.94	Environment - Global
134	AHOY	Newday Ocean Health ETF	23.60	3	1	0.75	ETF	2022-06-07	0.52	Environment - Global
135	KSEA	KraneShares Rockefeller Ocean Engagement ETF	26.97	3	1	0.86	ETF	2023-09-12	NA	Environment - Global
136	USCA	Xtrackers MSCI USA Climate Action Equity ETF	32.81	2,047	57	0.07	ETF	2023-04-04	1.31	Environment - U.S.
137	USCL	iShares Climate Conscious & Transition MSCI USA	62.31	1,990	5	0.08	ETF	2023-06-08	NA	Environment - U.S.
138	PABU	iShares Paris-Aligned Climate MSCI USA ETF	56.90	1,757	20	0.10	ETF	2022-02-10	0.84	Environment - U.S.
139	SPYX	SPDR S&P 500 Fossil Fuel Reserves Free ETF	42.80	1,734	78	0.20	ETF	2015-12-01	1.13	Environment - U.S.
140	DFSU	Dimensional US Sustainability Core 1 ETF	34.41	921	132	0.18	ETF	2022-11-02	1.00	Environment - U.S.
141	ETHO	Amplify Etho Climate Leadership US ETF	58.49	190	5	0.49	ETF	2015-11-19	1.33	Environment - U.S.
142	USNZ	Xtrackers Net Zero Pathway Paris Aligned US	33.99	187	4	0.10	ETF	2022-06-28	0.86	Environment - U.S.
143	CHGX	Axs Change Finance ESG ETF	36.68	127	8	0.49	ETF	2017-10-10	0.87	Environment - U.S.
144	VEGN	US Vegan Climate ETF	46.87	95	4	0.60	ETF	2019-09-09	0.59	Environment - U.S.
145	CCSO	Carbon Collective Climate Solutions US Equity ETF	19.31	26	7	0.35	ETF	2022-09-20	0.83	Environment - U.S.
146	TEMP	JPMorgan Climate Change Solutions ETF	43.77	24	0.2	0.49	ETF	2021-12-13	1.04	Environment - U.S.
147	SSPX	Janus Henderson US Sustainable Equity ETF	26.65	9	1	0.55	ETF	2021-09-09	0.41	Environment - U.S.
148	EATV	VegTech Plant-Based Innovation & Climate ETF	17.54	6	3	0.76	ETF	2021-12-27	0.81	Environment - U.S.
149	JCTR	JPMorgan Carbon Transition U.S. Equity ETF	71.03	5	0.3	0.15	ETF	2020-12-10	1.73	Environment - U.S.
150	NZUS	SPDR MSCI USA Climate Paris Aligned ETF	29.29	2	0.2	0.10	ETF	2022-04-21	0.75	Environment - U.S.
151	VOTE	TCW Transform 500 ETF	61.25	606	29	0.05	ETF	2021-06-22	1.36	Other
152	FRDM	Freedom 100 Emerging Markets ETF	33.73	796	111	0.49	ETF	2019-05-23	2.36	Social - EM
153	FTHF	First Trust Emerg Mkts Human Flourishing ETF	23.92	43	13	0.75	ETF	2023-10-31	NA	Social - EM
154	EMDM	First Trust Bloomberg Emerg Mkts Democracies	22.77	6	2	0.75	ETF	2023-03-03	2.22	Social - EM
155	JSTC	Adasina Social Justice All Cap Global ETF	17.73	175	27	0.89	ETF	2020-12-09	1.00	Social - Global
156	FDWM	Fidelity Women's Leadership ETF	22.45	4	1	0.59	ETF	2021-06-17	0.73	Social - Global
157	ESML	iShares ESG Aware MSCI USA Small-Cap ETF	40.27	1,633	99	0.17	ETF	2018-04-12	1.26	Social - U.S.
158	JUST	Goldman Sachs JUST US Large Cap Equity ETF	75.05	343	6	0.20	ETF	2018-06-13	1.26	Social - U.S.
159	HAPI	Harbor Human Capital Factor US Large Cap ETF	31.64	318	7	0.35	ETF	2022-10-13	1.09	Social - U.S.
160	SHE	SPDR MSCI USA Gender Diversity	105.86	239	5	0.20	ETF	2016-03-08	1.16	Social - U.S.
161	HKND	Humankind US Stock ETF	31.49	142	1	0.11	ETF	2021-02-24	1.62	Social - U.S.
162	HAPS	Harbor Human Capital Factor US Small Cap ETF	28.11	129	4	0.60	ETF	2023-04-13	0.43	Social - U.S.
163	WOMN	Impact Shares YWCA Women's Empowerment ETF	36.08	54	3	0.75	ETF	2018-08-27	1.69	Social - U.S.
164	NACP	Impact Shares NAACP Minority Empowerment ETF	38.35	44	3	0.49	ETF	2018-07-18	1.15	Social - U.S.
165	CDEI	Calvert US Large-Cap Diversity Equity And Inclusion	65.34	36	0.3	0.14	ETF	2023-02-01	1.27	Social - U.S.
166	BKWO	BNY Mellon Women's Opportunities ETF	32.70	13	0.0	0.50	ETF	2023-05-17	NA	Social - U.S.
167	HAPY	Harbor Human Capital Factor Unconstrained ETF	22.59	13	0.4	0.50	ETF	2022-02-24	0.34	Social - U.S.
168	EQUL	IQ Engender Equality ETF	25.80	7	0.3	0.45	ETF	2021-10-21	1.39	Social - U.S.
169	WCEO	Hypatia Women CEO ETF	29.32	3	1	0.85	ETF	2023-01-09	0.91	Social - U.S.

INVERSE EQUITY									
Grouped by region and sorted by AUM									
18	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Region
1	EUM	ProShares Short MSCI Emerging Markets	13.96	17	34	0.95	ETF	2007-11-01	Emerging Markets
2	SARK	AXS Short Innovation ETF	26.88	129	1,448	0.75	ETF	2021-11-08	Global
3	EFZ	ProShares Short MSCI EAFE	16.32	24	11	0.95	ETF	2007-10-25	Global Ex-U.S.
4	YXI	ProShares Short FTSE China 50	18.80	7	5	0.95	ETF	2010-03-18	Single Country
5	SH	ProShares Short S&P500	11.86	1,000	17,825	0.89	ETF	2006-06-19	U.S.
6	PSQ	ProShares Short QQQ	8.76	574	15,367	0.95	ETF	2006-06-21	U.S.
7	RWM	ProShares Short Russell2000	20.06	182	1,853	0.95	ETF	2007-01-25	U.S.
8	SPDN	Direxion Daily S&P 500 Bear 1x Shares	12.17	171	2,829	0.58	ETF	2016-06-08	U.S.
9	DOG	ProShares Short Dow30	28.31	170	1,107	0.95	ETF	2006-06-21	U.S.
10	HDGE	AdvisorShares Ranger Equity Bear ETF	19.60	71	52	3.45	ETF	2011-01-27	U.S.
11	REK	ProShares Short Real Estate	18.47	19	31	0.95	ETF	2010-03-18	U.S.
12	SEF	ProShares Short Financials	10.18	13	30	0.95	ETF	2008-06-12	U.S.
13	DWSH	AdvisorShares Dorsey Wright Short ETF	6.99	12	25	2.79	ETF	2018-07-11	U.S.
14	SBB	ProShares Short SmallCap600	15.71	6	9	0.95	ETF	2007-01-25	U.S.
15	MYX	ProShares Short MidCap 400	19.68	6	13	0.95	ETF	2006-06-21	U.S.
16	EMTY	ProShares Decline of the Retail Store ETF	13.25	5	4	0.65	ETF	2017-11-14	U.S.
17	QQQD	Direxion Daily Concentrated QS Bear 1x Shares	24.33	2	1	0.57	ETF	2024-03-07	U.S.
18	MAGQ	Roundhill Daily Inverse Magnificent Seven ETF	24.13	0.2	3	0.95	ETF	2024-02-28	U.S.

LEVERAGED INVERSE EQUITY									
Grouped by leverage factor and sorted by AUM									
55	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor
1	SQQQ	ProShares UltraPro Short QQQ	10.48	3,053	136,222	0.95	ETF	2010-02-11	-3.0
2	SOXS	Direxion Daily Semiconductors Bear 3x Shares	3.21	601	176,433	1.03	ETF	2010-03-11	-3.0
3	SPXU	ProShares UltraPro Short S&P 500	6.46	594	21,654	0.90	ETF	2009-06-25	-3.0
4	SPXS	Direxion Daily S&P 500 Bear 3X Shares	8.73	534	22,029	1.07	ETF	2008-11-05	-3.0
5	TZA	Direxion Daily Small Cap Bear 3X Shares	16.79	469	21,653	1.04	ETF	2008-11-05	-3.0
6	SDOW	ProShares UltraPro Short Dow30	15.75	306	10,201	0.95	ETF	2010-02-11	-3.0
7	TECS	Direxion Daily Technology Bear 3X Shares	7.68	154	11,440	1.10	ETF	2008-12-17	-3.0
8	YANG	Direxion Daily FTSE China Bear 3X Shares	11.62	142	3,466	1.09	ETF	2009-12-03	-3.0
9	FNGD	MicroSectors FANG+ Index --3X ETNs	36.72	128	11,074	0.95	Note	2018-01-23	-3.0
10	FAZ	Direxion Daily Financial Bear 3X Shares	9.81	127	2,680	1.08	ETF	2008-11-06	-3.0
11	LABD	Direxion Daily S&P Biotech Bear 3X Shares	7.29	127	14,375	1.10	ETF	2015-05-28	-3.0
12	SRTY	ProShares UltraPro Short Russell2000	25.38	118	1,465	0.95	ETF	2010-02-11	-3.0
13	DRV	Direxion Daily Real Estate Bear 3X Shares	35.00	94	212	1.10	ETF	2009-07-16	-3.0
14	NRGD	MicroSectors U.S. Big Oil Index --3X ETNs	144.70	73	42	0.95	Note	2019-04-10	-3.0
15	HIBS	Direxion Daily S&P 500 High Beta -3X ETF	22.03	37	296	0.95	ETF	2019-11-07	-3.0
16	GDxD	MicroSectors Gold Miners --3X ETN	3.36	33	3,389	0.95	Note	2020-12-03	-3.0
17	EDZ	Direxion Daily MSCI Emerg Mkts Bear 3X Shares	10.41	20	89	0.00	ETF	2008-12-17	-3.0
18	WEBS	Direxion Daily Dow Jones Internet -3X ETF	6.27	18	529	1.10	ETF	2019-11-07	-3.0
19	OILD	MicroSectors Oil & Gas Exploration & Prod --3X	14.06	14	79	0.95	Note	2021-11-09	-3.0
20	BNKD	MicroSectors US Big Banks Index --3X ETN	4.52	11	502	0.95	Note	2019-04-03	-3.0
21	BERZ	MicroSectors FANG & Innovation --3X ETN	26.16	10	520	0.95	Note	2021-08-18	-3.0
22	JETD	MAX Airlines -3X Inverse Leveraged ETN	20.21	3	1	0.95	Note	2023-06-20	-3.0
23	SMDD	ProShares UltraPro Short MidCap400	10.12	3	15	0.95	ETF	2010-02-11	-3.0
24	WTID	MicroSectors Energy -3X Inverse Leveraged ETN	14.41	2	1	0.95	Note	2023-02-15	-3.0
25	CARD	MAX Auto Industry -3X Inverse Leveraged ETN	13.97	2	0.2	0.95	Note	2023-06-27	-3.0
26	FLYD	MicroSectors Travel 3X Inverse Leveraged ETN	22.73	2	15	0.95	Note	2022-06-22	-3.0
27	SDS	ProShares UltraShort S&P500	24.86	582	7,044	0.75	ETF	2006-07-13	-2.0
28	QID	ProShares UltraShort QQQ	8.96	275	19,428	0.95	ETF	2006-07-13	-2.0
29	DUST	Direxion Daily Gold Miners Index Bear 2X Shares	9.34	80	4,591	0.99	ETF	2010-12-08	-2.0
30	DXD	ProShares UltraShort Dow30	30.76	80	503	0.95	ETF	2006-07-13	-2.0
31	JDST	Direxion Daily Junior Gold Miners Index Bear 2X	4.91	77	11,840	0.98	ETF	2013-10-03	-2.0
32	TWM	ProShares UltraShort Russell2000	10.48	57	2,934	0.95	ETF	2007-01-25	-2.0
33	DRIP	Direxion Daily S&P Oil & Gas Exp. & Prod. Bear 2X	8.62	52	1,316	1.09	ETF	2015-05-28	-2.0
34	SRS	ProShares UltraShort Real Estate	14.57	38	42	0.95	ETF	2007-02-01	-2.0
35	EPV	ProShares UltraShort FTSE Europe	7.81	26	104	0.95	ETF	2009-06-18	-2.0
36	DUG	ProShares UltraShort Energy	9.09	20	213	0.95	ETF	2007-02-01	-2.0
37	ERY	Direxion Daily Energy Bear 2X Shares	21.70	20	258	1.08	ETF	2008-11-06	-2.0
38	FXP	ProShares UltraShort FTSE China 50	37.30	17	12	0.95	ETF	2007-11-08	-2.0
39	SKF	ProShares UltraShort Financials	11.82	17	30	0.95	ETF	2007-02-01	-2.0
40	BZQ	ProShares UltraShort MSCI Brazil Capped	11.48	7	10	0.95	ETF	2009-06-19	-2.0
41	SSG	ProShares UltraShort Semiconductors	2.43	6	305	0.95	ETF	2007-02-01	-2.0
42	EEV	ProShares UltraShort MSCI Emerging Markets	19.10	5	3	0.95	ETF	2007-11-01	-2.0

LEVERAGED INVERSE EQUITY										Grouped by leverage factor and sorted by AUM
55	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor	
43	SKRE	Tuttle Capital Daily 2X Inverse Regional Banks ETF	24.12	5	34	0.75	ETF	2023-11-16	-2.0	
44	REW	ProShares UltraShort Technology	6.81	4	32	0.95	ETF	2007-02-01	-2.0	
45	EWV	ProShares UltraShort MSCI Japan	9.89	4	17	0.95	ETF	2007-11-08	-2.0	
46	BIS	ProShares UltraShort Nasdaq Biotechnology	17.58	3	8	0.95	ETF	2010-04-08	-2.0	
47	SDD	ProShares UltraShort SmallCap600	17.59	2	1	0.95	ETF	2007-01-25	-2.0	
48	MZZ	ProShares UltraShort MidCap400	10.48	1	2	0.95	ETF	2006-07-13	-2.0	
49	SIJ	ProShares UltraShort Industrials	9.29	1	1	0.95	ETF	2007-02-01	-2.0	
50	SCC	ProShares UltraShort Consumer Discretionary	14.38	1	1	0.95	ETF	2007-02-01	-2.0	
51	RXD	ProShares UltraShort Health Care	10.20	1	2	0.95	ETF	2007-02-01	-2.0	
52	SMN	ProShares UltraShort Materials	6.94	1	2	0.95	ETF	2007-02-01	-2.0	
53	SDP	ProShares UltraShort Utilities	11.50	1	4	0.95	ETF	2007-02-01	-2.0	
54	SZK	ProShares UltraShort Consumer Staples	13.59	1	1	0.95	ETF	2007-02-01	-2.0	
55	EFU	ProShares UltraShort MSCI EAFE	7.54	1	5	0.95	ETF	2007-10-25	-2.0	

LEVERAGED LONG EQUITY										Grouped by leverage factor and sorted by AUM
104	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor	
1	MLPR	ETRACS Quarterly Pay 1.5X Leveraged Alerian MLP	58.36	58	2	0.95	Note	2020-06-03	1.5	
2	MVRL	ETRACS Monthly Pay 1.5X Leveraged Mortgage REIT	18.33	18	8	0.95	Note	2020-06-03	1.5	
3	QLD	ProShares Ultra QQQ	87.48	6,214	3,286	0.95	ETF	2006-06-21	2.0	
4	SSO	ProShares Ultra S&P500	77.52	4,793	2,682	0.89	ETF	2006-06-21	2.0	
5	USD	ProShares Ultra Semiconductors	99.16	845	489	0.95	ETF	2007-02-01	2.0	
6	UYG	ProShares Ultra Financials	68.32	721	27	0.95	ETF	2007-02-01	2.0	
7	ROM	ProShares Ultra Technology	60.74	685	47	0.95	ETF	2007-02-01	2.0	
8	NUGT	Direxion Daily Gold Miners Index Bull 2X Shares	34.35	608	2,652	1.18	ETF	2010-12-08	2.0	
9	GUSH	Direxion Daily S&P Oil & Gas Exp. & Prod. Bull 2X	41.01	527	644	0.97	ETF	2015-05-28	2.0	
10	ERX	Direxion Daily Energy Bull 2X Shares	70.80	415	572	0.93	ETF	2008-11-06	2.0	
11	DDM	ProShares Ultra Dow30	87.08	409	361	0.95	ETF	2006-06-21	2.0	
12	CWEB	Direxion Daily CSI China Internet Index Bull 2x	29.93	337	558	1.28	ETF	2016-11-02	2.0	
13	JNUG	Direxion Daily Junior Gold Miners Index Bull 2X	33.32	316	1,670	1.13	ETF	2013-10-03	2.0	
14	FNGO	MicroSectors FANG Index 2X Leveraged ETN	58.67	293	33	0.95	Note	2018-08-02	2.0	
15	UWM	ProShares Ultra Russell2000	40.83	239	898	0.95	ETF	2007-01-25	2.0	
16	FBGX	FI Enhanced Large Cap Growth ETN	843.45	206	0.2	0.85	Note	2014-06-11	2.0	
17	SPUU	Direxion Daily S&P 500 Bull 2X Shares	123.30	195	18	0.61	ETF	2014-05-28	2.0	
18	MVV	ProShares Ultra MidCap400	68.31	152	20	0.95	ETF	2006-06-21	2.0	
19	DIG	ProShares Ultra Energy	45.83	119	53	0.95	ETF	2007-02-01	2.0	
20	MSOX	AdvisorShares MSOS 2x Daily ETF	6.28	103	2,083	0.95	ETF	2022-08-24	2.0	
21	RXL	ProShares Ultra Health Care	106.25	97	2	0.95	ETF	2007-02-01	2.0	
22	BIB	ProShares Ultra Nasdaq Biotechnology	57.54	96	52	0.95	ETF	2010-04-08	2.0	
23	BRZU	Direxion Daily MSCI Brazil Bull 2X Shares	86.18	95	21	1.24	ETF	2013-04-10	2.0	
24	INDL	Direxion Daily MSCI India Bull 2X Shares	61.83	87	27	1.29	ETF	2010-03-11	2.0	
25	URE	ProShares Ultra Real Estate	61.22	66	6	0.95	ETF	2007-02-01	2.0	
26	CHAU	Direxion Daily CSI 300 China A Share Bull 2X Shares	13.83	66	133	0.91	ETF	2015-04-16	2.0	
27	TARK	AXS 2x Innovation ETF	79.80	64	59	1.15	ETF	2022-05-02	2.0	
28	UYM	ProShares Ultra Materials	29.06	46	8	0.95	ETF	2007-02-01	2.0	
29	FEDL	ETRACS 2X Leveraged IFED Invest With The FED TR	45.08	45	0.2	0.95	Note	2021-09-15	2.0	
30	FNGG	Direxion Daily NYSE FANG+ Bull 2X Shares	116.74	44	13	0.96	ETF	2021-09-30	2.0	
31	UBOT	Direxion Daily Robotics AI & Auto Index Bull 2X	24.95	43	57	1.38	ETF	2018-04-19	2.0	
32	QULL	ETRACS 2x Leveraged MSCI US Quality Factor TR	42.61	43	0.3	0.95	Note	2021-02-05	2.0	
33	SMHB	ETRACS Monthly Pay 2X US Small Cap High Div ETN	6.61	39	40	0.85	Note	2018-11-09	2.0	
34	SCDL	ETRACS 2x Leveraged US Dividend Factor TR ETN	37.79	38	0.1	0.95	Note	2021-02-05	2.0	
35	IWDL	ETRACS 2x Leveraged US Value Factor TR ETN	37.00	37	0.1	0.95	Note	2021-02-05	2.0	
36	IWFL	ETRACS 2x Leveraged US Growth Factor TR ETF	36.18	36	1	0.95	Note	2021-02-05	2.0	
37	USML	ETRACS 2x Leveraged MSCI US Min Vol Factor TR	35.19	35	0.3	0.95	Note	2021-02-05	2.0	
38	SAA	ProShares Ultra SmallCap600	25.39	35	12	0.95	ETF	2007-01-25	2.0	
39	ESUS	ETRACS 2x Leveraged MSCI US ESG Focus TR ETN	28.06	28	0.0	0.95	Note	2021-09-15	2.0	
40	MTUL	ETRACS 2x Leveraged MSCI US Momentum	25.92	26	1	0.95	Note	2021-02-05	2.0	
41	UXI	ProShares Ultra Industrials	34.69	25	8	0.95	ETF	2007-02-01	2.0	
42	IWML	ETRACS 2x Leveraged US Size Factor TR ETN	20.11	20	0.2	0.95	Note	2021-02-05	2.0	
43	UCC	ProShares Ultra Consumer Discretionary	37.37	18	5	0.95	ETF	2007-02-01	2.0	
44	EET	ProShares Ultra MSCI Emerging Markets	51.45	15	7	0.95	ETF	2009-06-04	2.0	
45	HDLB	ETRACS Monthly Pay 2X US High Div Low Vol ETN	12.43	12	2	0.85	Note	2019-10-25	2.0	
46	OTO	Direxion Daily Travel & Vacation Bull 2X Shares	16.51	12	8	1.07	ETF	2021-06-10	2.0	
47	UPW	ProShares Ultra Utilities	56.21	12	2	0.95	ETF	2007-02-01	2.0	

LEVERAGED LONG EQUITY									
Grouped by leverage factor and sorted by AUM									
104	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor
48	EZJ	ProShares Ultra MSCI Japan	43.95	11	14	1.15	ETF	2009-06-05	2.0
49	EFO	ProShares Ultra MSCI EAFE	47.03	10	3	0.95	ETF	2009-06-04	2.0
50	XPP	ProShares Ultra FTSE China 50	13.14	9	17	0.95	ETF	2009-06-04	2.0
51	UGE	ProShares Ultra Consumer Staples	17.60	7	3	0.95	ETF	2007-02-01	2.0
52	CLDL	Direxion Daily Cloud Computing Bull 2X Shares	11.45	7	27	0.97	ETF	2021-01-08	2.0
53	MVPL	Miller Value Partners Leverage ETF	26.79	6	4	1.45	ETF	2024-02-27	2.0
54	UPV	ProShares Ultra FTSE Europe	63.08	5	0.3	0.95	ETF	2010-04-30	2.0
55	QQQU	Direxion Daily Concentrated QS Bull 2x Shares	26.40	5	16	1.07	ETF	2024-03-07	2.0
56	UBR	ProShares Ultra MSCI Brazil Capped	28.33	5	2	0.95	ETF	2010-04-29	2.0
57	LTL	ProShares Ultra Communication Services	63.08	4	2	0.95	ETF	2008-03-25	2.0
58	UCYB	ProShares Ultra Nasdaq Cybersecurity ETF	41.71	4	3	0.95	ETF	2021-01-21	2.0
59	EVAV	Direxion Daily Electric & Auto Vehicles Bull 2X	23.45	4	8	1.07	ETF	2022-08-11	2.0
60	KLNE	Direxion Daily Global Clean Energy Bull 2X Shares	6.81	4	14	1.33	ETF	2021-07-29	2.0
61	SKYU	ProShares Ultra Nasdaq Cloud Computing ETF	25.08	4	2	0.95	ETF	2021-01-21	2.0
62	XXCH	Direxion Daily MSCI Emerg Mkts ex China Bull 2X	26.68	3	0	0.95	ETF	2024-02-07	2.0
63	MAGX	Roundhill Daily 2X Long Magnificent Seven ETF	26.49	2	10	0.95	ETF	2024-02-28	2.0
64	TQQQ	ProShares UltraPro QQQ	61.56	22,160	69,684	0.95	ETF	2010-02-11	3.0
65	SOXL	Direxion Daily Semiconductors Bull 3x Shares	46.53	10,929	74,627	0.76	ETF	2010-03-11	3.0
66	FNGU	MicroSectors FANG+ Index 3X ETNs due Jan 8 2038	327.00	4,255	993	0.95	Note	2018-01-23	3.0
67	SPXL	Direxion Daily S&P 500 Bull 3X	134.03	4,150	5,671	0.91	ETF	2008-11-05	3.0
68	UPRO	ProShares UltraPro S&P 500	70.55	3,295	6,438	0.91	ETF	2009-06-25	3.0
69	TECL	Direxion Daily Technology Bull 3X Shares	80.14	3,235	1,916	0.94	ETF	2008-12-17	3.0
70	FAS	Direxion Daily Financial Bull 3X Shares	112.20	2,451	698	0.94	ETF	2008-11-06	3.0
71	NRGU	MicroSectors US Big Oil Index 3X Leveraged ETN	615.77	2,316	28	0.95	Note	2019-04-10	3.0
72	TNA	Direxion Daily Small Cap Bull 3X Shares	42.92	2,239	16,908	0.91	ETF	2008-11-05	3.0
73	LABU	Direxion Daily S&P Biotech Bull 3X Shares	132.72	1,220	2,680	0.96	ETF	2015-05-28	3.0
74	BULZ	MicroSectors FANG & Innovation 3X Leveraged ETN	137.69	1,173	149	0.95	Note	2021-08-18	3.0
75	YINN	Direxion Daily FTSE China Bull 3X Shares	19.09	962	5,459	1.47	ETF	2009-12-03	3.0
76	DPST	Direxion Daily Regional Banks Bull 3x Shares	79.58	711	1,282	0.92	ETF	2015-08-19	3.0
77	UDOW	ProShares UltraPro Dow30	85.18	652	2,736	0.95	ETF	2010-02-11	3.0
78	URTY	ProShares UltraPro Russell2000	50.55	578	1,161	0.95	ETF	2010-02-11	3.0
79	NAIL	Direxion Daily Homebuilders & Supplies 3X	151.48	341	189	0.97	ETF	2015-08-19	3.0
80	BNKU	MicroSectors US Big Banks Index 3X Leveraged ETN	31.13	313	427	0.95	Note	2019-04-03	3.0
81	GDXU	MicroSectors Gold Miners 3X Leveraged ETN	31.10	264	1,217	0.95	Note	2020-12-03	3.0
82	CURE	Direxion Daily Healthcare Bull 3x Shares	125.45	214	33	0.96	ETF	2011-06-15	3.0
83	WEBL	Direxion Daily Dow Jones Internet Bull 3x Shares ETF	19.01	187	691	1.00	ETF	2019-11-07	3.0
84	DFEN	Direxion Daily Aerospace & Defense Bull 3X Shares	26.65	166	167	0.97	ETF	2017-05-03	3.0
85	MIDU	Direxion Daily Mid Cap Bull 3X Shares	56.13	93	84	1.03	ETF	2009-01-08	3.0
86	EDC	Direxion Daily MSCI Emerg Mkts Bull 3X Shares	30.32	81	61	1.13	ETF	2008-12-17	3.0
87	OILU	MicroSectors Oil & Gas Exploration & Prod 3X	47.31	71	115	0.95	Note	2021-11-09	3.0
88	DRN	Direxion Daily Real Estate Bull 3X Shares	9.90	70	723	1.01	ETF	2009-07-16	3.0
89	HIBL	Direxion Daily S&P 500 High Beta Bull 3x Shares ETF	48.99	67	65	0.99	ETF	2019-11-07	3.0
90	RETL	Direxion Daily Retail Bull 3X Shares	11.24	66	340	0.97	ETF	2010-07-14	3.0
91	UTSL	Direxion Daily Utilities Bull 3x Shares	22.77	49	225	0.99	ETF	2017-05-03	3.0
92	DUSL	Direxion Daily Industrials Bull 3x Shares	56.55	42	23	1.00	ETF	2017-05-03	3.0
93	KORU	Direxion Daily South Korea Bull 3X Shares	9.42	41	339	1.34	ETF	2013-04-10	3.0
94	UMDD	ProShares UltraPro MidCap400	28.28	36	15	0.95	ETF	2010-02-11	3.0
95	TPOR	Direxion Daily Transportation Bull 3x Shares	38.72	29	13	0.99	ETF	2017-05-03	3.0
96	WANT	Direxion Daily Cons Disc Bull 3X Shares	35.51	28	25	0.98	ETF	2018-11-29	3.0
97	EURL	Direxion Daily FTSE Europe Bull 3x Shares	26.28	26	12	1.06	ETF	2014-01-22	3.0
98	MEXX	Direxion Daily MSCI Mexico Bull 3x Shares	35.15	16	12	1.25	ETF	2017-05-03	3.0
99	PILL	Direxion Daily Pharmaceutical & Medical 3Xs	8.22	15	89	1.01	ETF	2017-11-15	3.0
100	FLYU	MicroSectors Travel 3X Leveraged ETN	57.20	9	2	0.95	Note	2022-06-22	3.0
101	JETU	MAX Airlines 3X Leveraged ETN	23.30	4	2	0.95	Note	2023-06-20	3.0
102	WTIU	MicroSectors Energy 3X Leveraged ETN	23.30	4	3	0.95	Note	2023-02-15	3.0
103	CARU	MAX Auto Industry 3X Leveraged ETN	23.12	4	1	0.95	Note	2023-06-27	3.0
104	XXX	MAX S&P 500 4X Leveraged ETN	39.10	118	1,334	0.95	Note	2023-12-05	4.0

SINGLE STOCK LEVERAGED/INVERSE									
Grouped by leverage factor and sorted by AUM									
34	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor
1	NVD	GraniteShares 2x Short NVDA Daily ETF	5.06	30	4,419	1.50	ETF	2023-08-23	-2.0
2	TSLZ	T-Rex 2X Inverse Tesla Daily Target ETF	39.66	27	803	1.05	ETF	2023-10-19	-2.0
3	NVDQ	T-Rex 2X Inverse NVIDIA Daily Target ETF	4.62	15	3,467	1.05	ETF	2023-10-19	-2.0

SINGLE STOCK LEVERAGED/INVERSE										Grouped by leverage factor and sorted by AUM
34	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor	
4	TSDD	GraniteShares 2x Short TSLA Daily ETF	25.01	4	90	1.50	ETF	2023-08-23	-2.0	
5	NVDS	AXS 1.25X NVDA Bear Daily ETF	12.80	70	6,978	1.15	ETF	2022-07-14	-1.25	
6	TSLQ	AXS TSLA Bear Daily ETF	38.33	106	3,882	1.15	ETF	2022-07-14	-1.0	
7	TSLS	Direxion Daily TSLA Bear 1X Shares	25.47	63	1,572	0.95	ETF	2022-08-09	-1.0	
8	AAPD	Direxion Daily AAPL Bear 1x Shares	22.67	36	250	1.06	ETF	2022-08-09	-1.0	
9	NVDD	Direxion Daily NVDA Bear 1X Shares	11.49	9	233	1.01	ETF	2023-09-13	-1.0	
10	MSFD	Direxion Daily MSFT Bear 1x Shares	13.96	7	40	1.06	ETF	2022-09-07	-1.0	
11	GGLS	Direxion Daily Googl Bear 1x Shares	15.89	5	70	1.09	ETF	2022-09-07	-1.0	
12	AMZD	Direxion Daily AMZN Bear 1X Shares	14.54	3	16	1.09	ETF	2022-09-07	-1.0	
13	AMDS	GraniteShares 1x Short AMD Daily ETF	11.86	2	62	1.15	ETF	2023-08-23	-1.0	
14	TSL	GraniteShares 1.25 Long TSLA Daily ETF	6.94	5	148	1.15	ETF	2022-08-09	1.25	
15	NVDL	GraniteShares 2x Long NVDA Daily ETF	41.50	2,052	12,092	1.15	ETF	2022-12-13	2.0	
16	TSLL	Direxion Daily TSLA Bull 2X Shares	8.11	813	15,808	0.96	ETF	2022-08-09	2.0	
17	CONL	GraniteShares 2x Long COIN Daily ETF	76.70	501	1,996	1.15	ETF	2022-08-09	2.0	
18	NVDX	T-Rex 2X Long Nvidia Daily Target ETF	100.80	469	1,207	1.05	ETF	2023-10-19	2.0	
19	TSLT	T-Rex 2X Long Tesla Daily Target ETF	11.17	287	5,348	1.05	ETF	2023-10-19	2.0	
20	NVDU	Direxion Daily NVDA Bull 2X Shares	65.82	145	426	1.04	ETF	2023-09-13	2.0	
21	MSFU	Direxion Daily MSFT Bull 2X Shares	45.79	84	171	1.04	ETF	2022-09-07	2.0	
22	AMZU	Direxion Daily AMZN Bull 2X Shares	34.06	76	147	1.06	ETF	2022-09-07	2.0	
23	FBL	GraniteShares 2x Long META Daily ETF	26.28	69	241	1.15	ETF	2022-12-13	2.0	
24	GGLL	Direxion Daily GOOGL Bull 2X Shares	34.51	62	223	1.05	ETF	2022-09-07	2.0	
25	AAPU	Direxion Daily AAPL Bull 2X Shares	22.51	52	418	1.04	ETF	2022-08-09	2.0	
26	AAPB	GraniteShares 2x Long AAPL Daily ETF	17.53	20	243	1.15	ETF	2022-08-09	2.0	
27	TSLR	GraniteShares 2x Long TSLA Daily ETF	12.22	15	373	1.50	ETF	2023-08-23	2.0	
28	BABX	GraniteShares 2x Long BABA Daily ETF	13.43	14	60	1.15	ETF	2022-12-13	2.0	
29	GOOX	T-Rex 2X Long Alphabet Daily Target ETF	26.78	7	45	1.05	ETF	2024-01-11	2.0	
30	MSFX	T-Rex 2X Long Microsoft Daily Target ETF	29.24	6	36	1.05	ETF	2024-01-11	2.0	
31	AMDL	Graniteshares 2x Long AMD Daily ETF	22.15	4	33	1.15	ETF	2024-03-08	2.0	
32	AAPX	T-Rex 2X Long Apple Daily Target ETF	20.50	3	34	1.05	ETF	2024-01-11	2.0	
33	AMZZ	GraniteShares 2x Long AMZN Daily ETF	26.54	1	7	1.15	ETF	2024-03-08	2.0	
34	MSFL	GraniteShares 2x Long MSFT Daily ETF	25.44	1	NA	1.15	ETF	2024-03-14	2.0	

Fixed Income

U.S. AGGREGATE FIXED INCOME											Grouped by strategy and sorted by AUM
93	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy
1	BND	Vanguard Total Bond Market ETF	72.63	106,738	8,076	0.03	ETF	2007-04-10	4.90	6.10	Broad/Mixed
2	AGG	iShares Core U.S. Aggregate Bond ETF	97.94	104,839	8,553	0.06	ETF	2003-09-26	4.94	6.03	Broad/Mixed
3	IUSB	iShares Core Total USD Bond Market ETF	45.59	27,947	2,987	0.07	ETF	2014-06-12	5.19	5.81	Broad/Mixed
4	SPAB	SPDR Portfolio Aggregate Bond ETF	25.28	7,839	1,791	0.03	ETF	2007-05-23	4.98	6.19	Broad/Mixed
5	SCHZ	Schwab U.S. Aggregate Bond ETF	46.00	7,593	679	0.03	ETF	2011-07-14	4.54	6.19	Broad/Mixed
6	CGCP	Capital Group Core Plus Income ETF	22.46	2,059	534	0.34	ETF	2022-02-24	6.00	5.50	Broad/Mixed
7	FLCB	Franklin U.S. Core Bond ETF	21.34	1,777	404	0.15	ETF	2019-09-19	4.67	6.09	Broad/Mixed
8	BKAG	BNY Mellon Core Bond ETF	41.87	1,733	84	0.00	ETF	2020-04-24	4.56	6.11	Broad/Mixed
9	BBAG	JPMorgan BetaBuilders U.S. Aggregate Bond ETF	45.87	1,660	134	0.07	ETF	2018-12-14	4.61	6.13	Broad/Mixed
10	UNYI	WisdomTree Voya Yield Enh USD Universal Bond	48.76	1,298	1	0.15	ETF	2023-02-07	4.96	5.56	Broad/Mixed
11	AGGY	WisdomTree Yield Enhanced US Aggr	43.40	980	122	0.12	ETF	2015-07-09	4.85	6.43	Broad/Mixed
12	JCPI	JPMorgan Inflation Managed Bond ETF	46.86	666	15	0.25	ETF	2022-04-11	4.64	4.66	Broad/Mixed
13	SMTH	Alps Smith Core Plus Bond ETF	25.67	653	167	0.59	ETF	2023-12-06	5.36	5.94	Broad/Mixed
14	CGMS	Capital Group US Multi-Sector Income ETF	27.04	588	209	0.39	ETF	2022-10-27	7.10	4.10	Broad/Mixed
15	GCOR	Goldman Sachs Access US Aggregate Bond ETF	41.15	430	37	0.14	ETF	2020-09-10	4.62	6.33	Broad/Mixed
16	EVTR	Eaton Vance Total Return Bond ETF	49.75	363	NA	0.32	ETF	2024-03-25	6.67	6.12	Broad/Mixed
17	DMBS	Doubleline Mortgage ETF	48.69	299	19	0.49	ETF	2023-03-31	5.45	5.47	Broad/Mixed
18	APCB	Activepassive Core Bond ETF	29.50	264	55	0.36	ETF	2023-05-03	5.07	5.81	Broad/Mixed
19	HTAB	Hartford Schroders Tax-Aware Bond ETF	19.58	252	86	0.40	ETF	2018-04-19	4.10	8.03	Broad/Mixed
20	GBF	iShares Government/Credit Bond ETF	103.54	238	58	0.20	ETF	2007-01-11	4.85	6.21	Broad/Mixed
21	JSI	Janus Henderson Securitized Income ETF	51.63	193	94	0.50	ETF	2023-11-09	8.39	2.98	Broad/Mixed
22	BNDX	Flexshares Core Select Bond Fund	22.06	175	31	0.35	ETF	2016-11-21	4.31	5.63	Broad/Mixed
23	CARY	Angel Oak Income ETF	20.54	167	64	0.79	ETF	2022-11-07	6.55	4.02	Broad/Mixed
24	VCRB	Vanguard Core Bond ETF	76.50	129	41	0.10	ETF	2023-12-14	5.00	6.10	Broad/Mixed
25	TOTR	T Rowe Price Total Return ETF	40.37	113	10	0.31	ETF	2021-09-28	6.11	6.00	Broad/Mixed
26	VPLS	Vanguard Core-Plus Bond ETF	76.72	112	19	0.20	ETF	2023-12-07	5.18	7.09	Broad/Mixed
27	TAGG	T Rowe Price QM US Bond ETF	42.26	91	1	0.08	ETF	2021-09-29	5.14	6.22	Broad/Mixed
28	STXT	Strive Total Return Bond ETF	20.18	88	41	0.49	ETF	2023-08-09	5.41	5.07	Broad/Mixed
29	FTRB	Federated Hermes Total Return Bond ETF	24.92	65	75	0.39	ETF	2024-01-03	4.48	4.81	Broad/Mixed
30	FIBR	iShares U.S. F/I Balanced Risk Systematic ETF	86.02	64	2	0.25	ETF	2015-02-26	5.72	3.05	Broad/Mixed
31	DEED	First Trust TCW Securitized Plus ETF	20.71	62	27	0.76	ETF	2020-04-30	6.20	6.85	Broad/Mixed
32	MAGG	Madison Aggregate Bond ETF	20.33	53	3	0.40	ETF	2023-08-29	4.76	5.60	Broad/Mixed
33	TSEC	Touchstone Securitized Income ETF	25.91	50	1	0.39	ETF	2003-07-17	NA	2.00	Broad/Mixed
34	PAB	PGIM Active Aggregate Bond ETF	42.02	44	0.0	0.19	ETF	2021-04-15	5.13	6.10	Broad/Mixed
35	WABF	Western Asset Bond ETF	25.72	41	1	0.35	ETF	2023-09-21	4.76	6.82	Broad/Mixed
36	OBND	SPDR Loomis Sayles Opportunistic Bond ETF	26.04	38	1	0.55	ETF	2021-09-28	6.95	4.59	Broad/Mixed
37	RDFI	Rareview Dynamic Fixed Income ETF	23.32	37	8	3.69	ETF	2020-10-21	NA	4.09	Broad/Mixed
38	CPLS	AB Core Plus Bond ETF	35.38	34	1	0.33	ETF	2023-12-13	5.07	6.27	Broad/Mixed
39	NCPB	Nuveen Core Plus Bond Etf	25.17	30	60	0.30	ETF	2024-03-06	NA	NA	Broad/Mixed
40	NUAG	Nuveen Enhanced Yield US Aggregate Bond ETF	20.89	29	27	0.21	ETF	2016-09-15	5.01	6.80	Broad/Mixed
41	XFIX	F/m Opportunistic Income ETF	51.91	29	3	0.39	ETF	2023-09-06	5.72	5.87	Broad/Mixed
42	FTBD	Fidelity Tactical Bond ETF	49.02	15	7	0.55	ETF	2023-01-26	5.86	6.55	Broad/Mixed
43	USBF	iShares Trust iShares USD Systematic Bond ETF	84.13	13	0.0	0.18	ETF	2021-10-14	5.31	5.78	Broad/Mixed
44	USFI	BrandywineGLOBAL US Fixed Income ETF	24.40	12	0.1	0.39	ETF	2023-07-25	4.71	5.54	Broad/Mixed
45	AGIH	iShares Inflation Hedged U.S. Aggregate Bond ETF	24.54	2	0.0	0.13	ETF	2022-06-24	4.94	5.69	Broad/Mixed
46	BLV	Vanguard Long-Term Bond ETF	72.33	5,728	1,362	0.04	ETF	2007-04-10	4.83	13.94	Long Term
47	ILTB	iShares Core 10+ Year USD Bond ETF	51.11	623	165	0.06	ETF	2009-12-09	5.34	13.45	Long Term
48	BIV	Vanguard Intermediate-Term Bond ETF	75.40	17,466	1,151	0.04	ETF	2007-04-10	4.38	6.20	Mid Term
49	GVI	iShares Intermediate Government/Credit Bond ETF	103.98	3,185	116	0.20	ETF	2007-01-11	4.78	3.75	Mid Term
50	UITB	VictoryShares Core Intermediate Bond ETF	46.38	1,990	117	0.38	ETF	2017-10-26	5.13	6.11	Mid Term
51	VBND	Vident US Bond Strategy ETF	43.79	420	14	0.41	ETF	2014-10-16	4.89	6.82	Mid Term
52	JBND	JPMorgan Active Bond ETF	52.53	204	35	0.30	ETF	2023-10-12	5.22	6.49	Mid Term
53	IMTB	iShares Core 5-10 Year USD Bond ETF	42.90	171	9	0.08	ETF	2016-11-01	5.18	5.89	Mid Term
54	PIFI	ClearShares Piton Intermediate Fixed Income ETF	91.76	96	1	0.45	ETF	2020-10-02	4.35	3.69	Mid Term
55	BAMB	Brookstone Intermediate Bond ETF	25.56	55	11	0.65	ETF	2023-09-26	5.04	2.21	Mid Term
56	SCIO	FT Structured Credit Income Opportunities	20.31	15	0	0.95	ETF	2024-02-28	5.69	2.93	Mid Term
57	AGZD	WisdomTree Trust WisdomTree Rate-Hdgd US Aggr	22.08	166	51	0.23	ETF	2013-12-18	4.96	0.20	Rate Hedged
58	AGRH	iShares Rate-Hdgd U.S. Aggregate Bond ETF	25.98	5	4	0.13	ETF	2022-06-24	6.11	-0.00	Rate Hedged
59	BSV	Vanguard Short-Term Bond ETF	76.67	31,658	1,796	0.04	ETF	2007-04-10	4.37	2.61	Short Term
60	ISTB	iShares Core 1-5 Year USD Bond ETF	47.44	4,120	397	0.06	ETF	2012-10-22	5.14	2.62	Short Term
61	JPLD	JPMorgan Limited Duration Bond ETF	50.94	725	17	0.24	ETF	2023-07-31	6.01	1.52	Short Term

U.S. AGGREGATE FIXED INCOME											Grouped by strategy and sorted by AUM	
93	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
62	USTB	VictoryShares Short-Term Bond ETF	49.83	592	65	0.35	ETF	2017-10-26	6.28	1.92	Short Term	
63	CGSD	Capital Group Short Duration Income ETF	25.40	420	124	0.25	ETF	2022-10-27	5.80	1.80	Short Term	
64	LDSF	First Trust Low Duration Strategic Focus ETF	18.75	107	23	0.75	ETF	2019-01-04	NA	2.85	Short Term	
65	MSTI	Madison Short-Term Strategic Income ETF	20.36	59	2	0.40	ETF	2023-09-05	5.21	2.54	Short Term	
66	SHAG	Wisdomtree Yield Enhanced US Short-Term Aggr	47.09	38	7	0.12	ETF	2017-05-18	4.61	2.21	Short Term	
67	SDSI	American Century Short Duration Strategic Income	50.95	31	6	0.33	ETF	2022-10-13	5.91	2.02	Short Term	
68	TAXX	BondBloxx IR+M Tax-Aware Short Duration ETF	50.00	30	NA	0.35	ETF	2024-03-12	4.46	1.90	Short Term	
69	NUSA	Nuveen ESG 1-5 Year US Aggregate Bond ETF	22.89	23	1	0.16	ETF	2017-04-03	4.38	2.68	Short Term	
70	LSST	Natixis Loomis Sayles Short Duration Income ETF	23.89	18	8	0.38	ETF	2017-12-28	5.42	1.80	Short Term	
71	BBSA	JPMorgan BetaBuilders 1-5 Year US Aggr ETF	47.57	14	1	0.05	ETF	2019-03-13	4.47	2.65	Short Term	
72	SDCP	Virtus Newfleet Short Duration Core Plus Bond ETF	25.79	10	0	0.35	ETF	2023-11-16	6.13	2.03	Short Term	
73	VABS	Virtus Newfleet ABS/MBS ETF	23.97	10	0.2	0.39	ETF	2021-02-10	6.47	1.73	Short Term	
74	JPST	JPMorgan Ultra-Short Income ETF	50.45	22,602	3,290	0.18	ETF	2017-05-19	5.68	0.63	Ultra Short Term	
75	PULS	PGIM Ultra Short Bond ETF	49.70	6,295	1,095	0.15	ETF	2018-04-10	5.56	0.30	Ultra Short Term	
76	VUSB	Vanguard Ultra Short Bond ETF	49.55	4,163	1,030	0.10	ETF	2021-04-07	5.50	1.00	Ultra Short Term	
77	FLRN	SPDR Bloomberg I.G. Floating Rate ETF	30.83	2,299	560	0.15	ETF	2011-12-01	5.91	0.03	Ultra Short Term	
78	YEAR	AB Ultra Short Income ETF	50.52	931	122	0.25	ETF	2022-09-14	5.69	0.78	Ultra Short Term	
79	VRIG	Invesco Variable Rate Investment Grade ETF	25.09	832	535	0.30	ETF	2016-09-22	6.78	0.09	Ultra Short Term	
80	ULST	SPDR SSGA Ultra Short Term Bond ETF	40.50	591	95	0.20	ETF	2013-10-10	5.53	0.79	Ultra Short Term	
81	GSST	Goldman Sachs Access Ultra Short Bond ETF	50.36	584	82	0.16	ETF	2019-04-17	5.09	0.64	Ultra Short Term	
82	FLDR	Fidelity Low Duration Bond Fund ETF	49.97	438	110	0.15	ETF	2018-06-14	4.97	0.86	Ultra Short Term	
83	UYLD	Angel Oak Ultrashort Income ETF	50.88	378	78	0.29	ETF	2022-10-24	5.76	0.61	Ultra Short Term	
84	DUSB	Dimensional Ultrashort Fixed Income ETF	50.57	313	58	0.15	ETF	2023-09-27	5.25	0.23	Ultra Short Term	
85	OPER	Clearshares Ultra-Short Maturity ETF	100.15	165	12	0.20	ETF	2018-07-11	5.38	0.23	Ultra Short Term	
86	SOF	Amplify Samsung Sofr ETF	100.27	155	1	0.20	ETF	2023-11-14	5.35	NA	Ultra Short Term	
87	TBUX	T Rowe Price Ultra Short-Term Bond ETF	49.33	131	19	0.17	ETF	2021-09-28	5.63	1.13	Ultra Short Term	
88	BKUI	BNY Mellon Ultra Short Income ETF	49.63	74	5	0.12	ETF	2021-08-09	5.24	0.65	Ultra Short Term	
89	TUSI	Touchstone Ultra Short Income ETF	25.21	64	3	0.25	ETF	2022-08-08	6.42	0.50	Ultra Short Term	
90	BAMU	Brookstone Ultra-Short Bond ETF	25.29	61	15	0.65	ETF	2023-09-26	5.35	0.24	Ultra Short Term	
91	ARCM	Arrow Reserve Capital Management ETF	100.14	46	0.0	0.50	ETF	2017-03-31	5.12	0.40	Ultra Short Term	
92	EVSU	Eaton Vance Ultra-Short Income ETF	50.36	38	4	0.17	ETF	2023-10-19	6.01	0.53	Ultra Short Term	
93	NUSU	Nuveen Ultra Short Income ETF	25.08	16	33	0.17	ETF	2024-03-06	NA	NA	Ultra Short Term	

U.S. TREASURY											Grouped by strategy and sorted by AUM	
64	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
1	GOVT	iShares U.S. Treasury Bond ETF	22.77	25,522	11,306	0.15	ETF	2012-02-24	4.53	5.94	Broad/Mixed	
2	FLGV	Franklin U.S. Treasury Bond ETF	20.49	715	119	0.09	ETF	2020-06-11	4.18	6.06	Broad/Mixed	
3	GOVI	Invesco Equal Weight 0-30 Year Treasury	28.08	677	226	0.15	ETF	2007-10-11	4.46	10.81	Broad/Mixed	
4	TLT	iShares 20+ Year Treasury Bond ETF	94.62	49,603	34,369	0.15	ETF	2002-07-26	4.54	16.69	Long Term	
5	VGLT	Vanguard Long-Term Treasury ETF	59.24	12,207	1,616	0.04	ETF	2009-11-24	4.30	15.28	Long Term	
6	SPTL	SPDR Portfolio Long Term Treasury ETF	27.94	9,362	4,086	0.03	ETF	2007-05-23	4.56	15.26	Long Term	
7	TLH	iShares 10-20 Year Treasury Bond ETF	105.03	7,982	437	0.15	ETF	2007-01-11	4.55	12.89	Long Term	
8	EDV	Vanguard Extended Duration Treasury ETF	76.60	3,265	518	0.06	ETF	2007-12-13	4.41	24.01	Long Term	
9	ZROZ	PIMCO 25+ Year Zero Coupon U.S. Treasury Index	79.25	1,277	215	0.15	ETF	2009-11-04	4.25	26.90	Long Term	
10	SCHQ	Schwab Long-Term U.S. Treasury ETF	33.73	638	236	0.03	ETF	2019-10-10	4.30	15.26	Long Term	
11	GOVZ	iShares 25+ Year Treasury STRIPS Bond ETF	11.37	204	520	0.10	ETF	2020-09-24	4.45	26.63	Long Term	
12	XTWY	BondBloxx Bbg 20 Year Target Duration US Treasury	42.46	27	2	0.13	ETF	2022-09-15	4.31	19.43	Long Term	
13	BBLB	JPMorgan BetaBuilders US Treasury Bond 20+ Year	90.25	25	6	0.07	ETF	2023-04-19	4.31	16.87	Long Term	
14	UTHY	US Treasury 30 Year Bond ETF	45.15	14	4	0.15	ETF	2023-03-28	4.22	16.07	Long Term	
15	UTWY	US Treasury 20 Year Bond ETF	46.20	12	2	0.15	ETF	2023-03-28	4.54	13.04	Long Term	
16	IBTE	iShares iBonds Dec 2024 Term Treasury ETF	23.94	2,885	462	0.07	ETF	2020-02-27	5.27	0.37	Maturity 2024	
17	IBTF	iShares iBonds Dec 2025 Term Treasury ETF	23.23	2,219	364	0.07	ETF	2020-02-27	4.96	1.24	Maturity 2025	
18	IBTG	iShares iBonds Dec 2026 Term Treasury ETF	22.71	987	190	0.07	ETF	2020-02-27	4.63	2.15	Maturity 2026	
19	IBTH	iShares iBonds Dec 2027 Term Treasury ETF	22.16	769	155	0.07	ETF	2020-02-27	4.46	3.07	Maturity 2027	
20	IBTI	iShares iBonds Dec 2028 Term Treasury ETF	21.94	463	137	0.07	ETF	2020-02-27	4.38	3.96	Maturity 2028	
21	IBTJ	iShares iBonds Dec 2029 Term Treasury ETF	21.50	223	40	0.07	ETF	2020-02-27	4.33	4.70	Maturity 2029	
22	IBTK	iShares iBonds Dec 2030 Term Treasury ETF	19.42	215	86	0.07	ETF	2020-07-16	4.33	5.68	Maturity 2030	
23	IBTL	iShares iBonds Dec 2031 Term Treasury ETF	20.16	169	23	0.07	ETF	2021-07-15	4.30	6.65	Maturity 2031	
24	IBTM	iShares iBonds Dec 2032 Term Treasury ETF	22.67	194	67	0.07	ETF	2022-07-08	4.32	7.16	Maturity 2032	
25	IBTO	iShares iBonds Dec 2033 Term Treasury ETF	24.29	165	27	0.07	ETF	2023-06-29	4.31	7.65	Maturity 2033	
26	IEF	iShares 7-10 Year Treasury Bond ETF	94.66	28,012	7,206	0.15	ETF	2002-07-26	4.31	7.30	Mid Term	
27	VGIT	Vanguard Intermediate-Term Treasury ETF	58.55	26,189	1,868	0.04	ETF	2009-11-23	3.92	5.06	Mid Term	
28	IEI	iShares 3-7 Year Treasury Bond ETF	115.81	13,368	1,564	0.15	ETF	2007-01-11	4.37	4.34	Mid Term	

U.S. TREASURY											Grouped by strategy and sorted by AUM	
64	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
29	SCHR	Schwab Intermediate-Term U.S. Treasury ETF	49.05	8,100	821	0.03	ETF	2010-08-05	3.92	4.99	Mid Term	
30	SPTI	SPDR Portfolio Intermediate Term Treasury ETF	28.18	5,284	1,396	0.03	ETF	2007-05-23	4.40	4.95	Mid Term	
31	TUA	Simplify Short Term Treasury Futures Strategy ETF	21.87	469	448	0.15	ETF	2022-11-15	4.92	8.32	Mid Term	
32	XSVN	BondBloxx Bbg 7 Year Target Duration US Treasury	47.47	139	51	0.05	ETF	2022-09-15	3.95	6.88	Mid Term	
33	XTEN	BondBloxx Bbg 10 Year Target Duration US Treasury	46.72	128	25	0.75	ETF	2022-09-15	4.12	9.66	Mid Term	
34	UTEN	US Treasury 10 Year Note ETF	44.05	103	18	0.15	ETF	2022-08-09	3.96	7.77	Mid Term	
35	XFIV	BondBloxx Bbg 5 Year Target Duration US Treasury	48.50	79	5	0.05	ETF	2022-09-15	3.92	4.91	Mid Term	
36	MGOV	First Trust Intermediate Govt Opportunities ETF	20.18	31	7	0.65	ETF	2023-08-03	4.92	6.34	Mid Term	
37	UFIV	US Treasury 5 Year Note ETF	48.50	16	4	0.15	ETF	2023-03-28	3.87	4.48	Mid Term	
38	USVN	US Treasury 7 Year Note ETF	47.95	5	1	0.15	ETF	2023-03-28	3.92	6.04	Mid Term	
39	BBIB	JPMorgan BetaBuilders US Treasury Bond 3-10 Year	97.16	4	0.0	0.07	ETF	2023-04-19	3.92	5.03	Mid Term	
40	USIN	WisdomTree 7-10 Year Laddered Treasury Fund	49.96	3	NA	0.15	ETF	2024-03-14	4.20	7.30	Mid Term	
41	SHY	iShares 1-3 Year Treasury Bond ETF	81.78	24,722	3,327	0.15	ETF	2002-07-26	4.74	1.84	Short Term	
42	VGSH	Vanguard Short-Term Treasury ETF	58.07	20,182	2,337	0.04	ETF	2009-11-23	4.28	1.86	Short Term	
43	SCHO	Schwab Short-Term U.S. Treasury ETF	48.21	10,571	989	0.03	ETF	2010-08-05	4.30	1.81	Short Term	
44	SPTS	SPDR Portfolio Short Term Treasury ETF	28.92	5,300	1,790	0.03	ETF	2011-12-01	4.78	1.83	Short Term	
45	UTWO	US Treasury 2 Year Note ETF	48.09	340	55	0.15	ETF	2022-08-09	4.68	1.81	Short Term	
46	FTSD	Franklin Short Duration U.S. Government ETF	90.15	149	6	0.25	ETF	2013-11-04	5.46	1.36	Short Term	
47	XTWO	BondBloxx Bbg 2 Year Target Duration US Treasury	49.08	100	9	0.05	ETF	2022-09-15	4.27	1.91	Short Term	
48	XTRX	BondBloxx Bbg 3 Year Target Duration US Treasury	48.90	52	5	0.05	ETF	2022-09-15	4.02	2.92	Short Term	
49	UTRE	US Treasury 3 Year Note ETF	48.98	6	0.3	0.15	ETF	2023-03-28	4.01	2.75	Short Term	
50	BBSB	JPMorgan BetaBuilders US Treasury Bond 1-3 Year	98.25	3	0.2	0.07	ETF	2023-04-19	4.28	1.87	Short Term	
51	USSH	WisdomTree 1-3 Year Laddered Treasury Fund	50.07	1	NA	0.15	ETF	2024-03-14	4.68	1.81	Short Term	
52	BIL	SPDR Bloomberg 1-3 Month T-Bill ETF	91.80	31,155	5,957	0.14	ETF	2007-05-30	5.37	0.10	Ultra Short Term	
53	SGOV	iShares 0-3 Month Treasury Bond ETF	100.71	19,065	3,283	0.07	ETF	2020-05-28	5.38	0.10	Ultra Short Term	
54	SHV	iShares Short Treasury Bond ETF	110.54	18,050	2,061	0.15	ETF	2007-01-11	5.32	0.30	Ultra Short Term	
55	GBIL	Goldman Sachs Access Treasury 0-1 Year ETF	100.89	5,529	543	0.12	ETF	2016-09-08	5.10	0.38	Ultra Short Term	
56	TBIL	US Treasury 3 Month Bill ETF	50.03	3,065	854	0.15	ETF	2022-08-09	5.21	0.23	Ultra Short Term	
57	BILS	SPDR Bloomberg 3-12 Month T-Bill ETF	99.42	2,744	276	0.14	ETF	2020-09-24	5.32	0.37	Ultra Short Term	
58	TBLL	Invesco Short Term Treasury ETF	105.47	1,570	116	0.08	ETF	2017-01-12	5.31	0.34	Ultra Short Term	
59	XHLF	BondBloxx Bbg 6 Month Target Duration US Treasury	50.31	1,133	207	0.03	ETF	2022-09-15	4.80	0.43	Ultra Short Term	
60	XBIL	US Treasury 6 Month Bill ETF	50.11	515	91	0.15	ETF	2023-03-07	5.10	0.47	Ultra Short Term	
61	XONE	BondBloxx Bbg 1 Year Target Duration US Treasury	49.63	409	62	0.03	ETF	2022-09-15	4.79	0.91	Ultra Short Term	
62	CLIP	Global X 1-3 Month T-Bill ETF	25.12	336	158	0.07	ETF	2023-06-21	4.84	0.10	Ultra Short Term	
63	BILZ	PIMCO Ultra Short Government Active ETF	101.15	250	33	0.14	ETF	2023-06-21	4.60	0.20	Ultra Short Term	
64	OBIL	US Treasury 12 Month Bill ETF	49.96	231	22	0.15	ETF	2022-11-15	4.69	0.96	Ultra Short Term	

OTHER U.S. GOVERNMENT/AGENCY FIXED INCOME											Grouped by type and sorted by AUM	
48	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Type	
1	AGZ	iShares Agency Bond ETF	108.05	695	21	0.20	ETF	2008-11-07	4.86	3.17	Agency	
2	USFR	WisdomTree Floating Rate Treasury Fund	50.29	17,520	3,506	0.15	ETF	2014-02-04	4.51	-0.05	Floating Rate	
3	TFLO	iShares Treasury Floating Rate Bond ETF	50.69	6,719	4,967	0.15	ETF	2014-02-04	5.61	0.00	Floating Rate	
4	TIP	iShares TIPS Bond ETF	107.41	18,814	1,883	0.20	ETF	2003-12-05	4.43	6.65	Inflation Protected	
5	SCHP	Schwab US TIPS ETF	52.16	11,115	1,013	0.04	ETF	2010-08-05	4.25	5.02	Inflation Protected	
6	VTIP	Vanguard S.T. Inflation-Protected Securities ETF	47.89	10,964	1,357	0.04	ETF	2012-10-16	4.35	1.86	Inflation Protected	
7	STIP	iShares 0-5 Year TIPS Bond ETF	99.43	7,756	418	0.06	ETF	2010-12-03	4.61	2.39	Inflation Protected	
8	TDTT	FlexShares iBoxx 3-Year Target Duration TIPS	23.75	1,816	219	0.18	ETF	2011-09-23	4.22	2.60	Inflation Protected	
9	TIPX	SPDR Bloomberg 1-10 Year TIPS ETF	18.64	1,373	490	0.15	ETF	2013-05-30	4.70	4.32	Inflation Protected	
10	SPIP	SPDR Portfolio TIPS ETF	25.62	1,315	212	0.12	ETF	2007-05-30	4.70	6.93	Inflation Protected	
11	TDTF	FlexShares iBoxx 5-Year Target Duration TIPS	23.65	795	119	0.18	ETF	2011-09-22	4.08	4.66	Inflation Protected	
12	IVOL	Quadratic Interest Rate Vol and Inflation Hedge	18.93	791	195	1.03	ETF	2019-05-14	4.70	6.00	Inflation Protected	
13	LTPZ	PIMCO 15+ Year U.S. TIPS Index	55.56	740	92	0.20	ETF	2009-09-08	4.43	13.59	Inflation Protected	
14	STPZ	PIMCO 1-5 Year U.S. TIPS Index	51.50	518	73	0.20	ETF	2009-08-21	4.34	1.99	Inflation Protected	
15	DFIP	Dimensional Inflation-Protected Securities ETF	41.25	507	50	0.11	ETF	2021-11-15	4.10	5.64	Inflation Protected	
16	GTIP	Goldman Sachs Access Inflation Protected USD Bond	48.98	119	8	0.12	ETF	2018-10-04	4.24	4.97	Inflation Protected	
17	TIPZ	PIMCO Broad U.S. TIPS Index	53.33	103	12	0.20	ETF	2009-09-09	4.36	5.07	Inflation Protected	
18	PBTP	Invesco 0-5 Yr US TIPS ETF	25.07	64	14	0.07	ETF	2017-09-22	4.68	2.36	Inflation Protected	
19	BNDD	Quadratic Deflation ETF	14.98	30	48	0.96	ETF	2021-09-21	4.67	12.61	Inflation Protected	
20	RINF	ProShares Inflation Expectations ETF	32.35	20	5	0.30	ETF	2012-01-12	4.62	0.07	Inflation Protected	
21	IBIC	iShares iBonds Oct 2026 Term TIPS ETF	25.56	15	4	0.10	ETF	2023-09-15	4.49	2.11	Inflation Protected	
22	IBIB	iShares iBonds Oct 2025 Term TIPS ETF	25.53	15	4	0.10	ETF	2023-09-13	4.72	1.11	Inflation Protected	
23	IBIJ	iShares iBonds Oct 2033 Term TIPS ETF	25.74	14	3	0.10	ETF	2023-09-19	4.27	8.39	Inflation Protected	
24	IBIE	iShares iBonds Oct 2028 Term TIPS ETF	25.57	14	2	0.10	ETF	2023-09-15	4.42	3.94	Inflation Protected	

OTHER U.S. GOVERNMENT/AGENCY FIXED INCOME											Grouped by type and sorted by AUM	
48	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Type	
25	IBID	iShares iBonds Oct 2027 Term TIPS ETF	25.57	14	3	0.10	ETF	2023-09-13	4.49	3.06	Inflation Protected	
26	IBIA	iShares iBonds Oct 2024 Term TIPS ETF	25.54	13	2	0.10	ETF	2023-09-15	4.94	0.34	Inflation Protected	
27	IBIG	iShares iBonds Oct 2030 Term TIPS ETF	25.67	12	4	0.10	ETF	2023-09-21	4.25	5.93	Inflation Protected	
28	IBIF	iShares iBonds Oct 2029 Term TIPS ETF	25.67	12	3	0.10	ETF	2023-09-19	4.32	4.76	Inflation Protected	
29	IBII	iShares iBonds Oct 2032 Term TIPS ETF	25.61	10	1	0.10	ETF	2023-09-19	4.25	7.71	Inflation Protected	
30	IBIH	iShares iBonds Oct 2031 Term TIPS ETF	25.71	9	2	0.10	ETF	2023-09-19	4.23	6.89	Inflation Protected	
31	BBIP	JPMorgan BetaBuilders US TIPS 0-5 Year ETF	98.82	1	0.0	0.07	ETF	2023-05-10	4.36	2.56	Inflation Protected	
32	MBB	iShares MBS ETF	92.42	28,757	2,773	0.12	ETF	2007-03-16	5.12	5.71	MBS	
33	VMBS	Vanguard Mortgage-Backed Securities ETF	45.61	17,500	1,168	0.04	ETF	2009-11-23	5.25	5.57	MBS	
34	SPMB	SPDR Portfolio Mortgage Backed Bond ETF	21.72	5,022	647	0.04	ETF	2009-01-15	5.14	6.19	MBS	
35	LMBS	First Trust Low Duration Opportunities ETF	48.25	3,971	433	0.64	ETF	2014-11-05	5.01	2.49	MBS	
36	JMBS	Janus Henderson Mortgage-Backed Securities ETF	45.10	3,914	320	0.23	ETF	2018-09-12	5.62	6.60	MBS	
37	MTBA	Simplify MBS ETF	50.91	468	186	0.15	ETF	2023-11-07	5.51	3.91	MBS	
38	LGOV	First Trust Long Duration Opportunities ETF	21.38	399	292	0.67	ETF	2019-01-23	4.01	12.06	MBS	
39	GNMA	iShares GNMA Bond ETF	43.39	330	103	0.20	ETF	2012-02-17	5.15	5.51	MBS	
40	OWNS	Impact Shares Affordable Housing MBS ETF	16.91	116	15	0.30	ETF	2021-07-26	4.80	5.71	MBS	
41	MBSD	FlexShares Disciplined Duration MBS Index Fund	20.38	81	18	0.20	ETF	2014-09-03	4.77	4.02	MBS	
42	RISR	FolioBeyond Alt Income and Interest Rate Hedge ETF	33.05	53	15	0.99	ETF	2021-10-01	10.68	-6.60	MBS	
43	VETZ	Academy Veteran Impact ETF	20.11	52	0	0.35	ETF	2023-08-02	5.40	5.70	MBS	
44	MTGP	WisdomTree Mortgage Plus Bond Fund	43.41	48	4	0.45	ETF	2019-11-14	5.50	5.86	MBS	
45	JHMB	John Hancock Mortgage-Backed Securities ETF	21.58	41	8	0.40	ETF	2021-08-19	6.38	5.60	MBS	
46	MBSF	Regan Floating Rate MBS ETF	25.28	38	49	0.49	ETF	2024-02-28	6.34	0.95	MBS	
47	MBS	Angel Oak Mortgage-Backed Securities ETF	8.46	32	8	0.49	ETF	2021-06-07	6.46	6.19	MBS	
48	FSEC	Fidelity Investment Grade Securitized ETF	42.24	3	1	0.36	ETF	2021-03-02	5.48	5.41	MBS	

U.S. MUNICIPAL FIXED INCOME											Grouped by strategy and sorted by AUM	
82	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
1	MUB	iShares National Muni Bond ETF	107.60	36,943	2,438	0.05	ETF	2007-09-10	3.26	5.98	Broad/Mixed	
2	VTB	Vanguard Tax-Exempt Bond Index ETF	50.60	32,178	3,425	0.05	ETF	2015-08-25	3.78	5.72	Broad/Mixed	
3	TFI	SPDR Nuveen Bloomberg Municipal Bond ETF	46.48	3,632	347	0.23	ETF	2007-09-13	3.39	7.08	Broad/Mixed	
4	CMF	iShares California Muni Bond ETF	57.54	2,793	211	0.08	ETF	2007-10-05	3.12	6.10	Broad/Mixed	
5	PZA	Invesco National AMT-Free Municipal Bond ETF	23.83	2,764	524	0.28	ETF	2007-10-11	4.42	8.78	Broad/Mixed	
6	FMB	First Trust Managed Municipal ETF	51.36	1,983	129	0.65	ETF	2014-05-15	4.25	5.44	Broad/Mixed	
7	BAB	Invesco Taxable Municipal Bond	26.55	1,328	669	0.28	ETF	2009-11-17	5.28	7.94	Broad/Mixed	
8	PWZ	Invesco California AMT-Free Municipal Bond ETF	24.87	830	119	0.28	ETF	2007-10-11	4.21	8.57	Broad/Mixed	
9	NYF	iShares New York Muni Bond ETF	53.81	673	61	0.25	ETF	2007-10-05	3.29	5.84	Broad/Mixed	
10	CGMU	Capital Group Municipal Income ETF	27.01	643	180	0.27	ETF	2022-10-27	3.99	5.24	Broad/Mixed	
11	FMHI	First Trust Municipal High Income ETF	48.18	604	66	0.70	ETF	2017-11-02	5.02	6.66	Broad/Mixed	
12	MMIN	IQ MacKay Municipal Insured ETF	24.30	457	80	0.30	ETF	2017-10-18	4.11	7.26	Broad/Mixed	
13	TAXF	American Century Diversified Municipal Bond ETF	50.55	433	41	0.29	ETF	2018-09-12	3.96	6.13	Broad/Mixed	
14	HMOP	Hartford Municipal Opportunities ETF	38.84	402	41	0.29	ETF	2017-12-14	4.06	5.20	Broad/Mixed	
15	MUST	Columbia Multi-Sector Municipal Income ETF	20.66	391	66	0.23	ETF	2018-10-10	3.90	5.54	Broad/Mixed	
16	SCMB	Schwab Municipal Bond ETF	52.05	306	42	0.03	ETF	2022-10-12	3.67	5.81	Broad/Mixed	
17	XMPT	VanEck CEF Muni Income ETF	21.65	239	32	1.81	ETF	2011-07-13	6.94	10.83	Broad/Mixed	
18	FCAL	First Trust California Municipal High Income ETF	49.65	213	44	0.65	ETF	2017-06-21	4.10	5.47	Broad/Mixed	
19	JMHI	JPMorgan High Yield Municipal ETF	49.85	175	8	0.35	ETF	2023-07-14	5.22	7.87	Broad/Mixed	
20	AVMU	Avantis Core Municipal Fixed Income ETF	46.57	139	5	0.15	ETF	2020-12-10	3.94	4.70	Broad/Mixed	
21	MINO	PIMCO Municipal Income Opportunities Active	45.63	139	38	0.39	ETF	2021-09-08	4.41	7.21	Broad/Mixed	
22	PZT	Invesco New York AMT-Free Municipal Bond ETF	23.04	95	17	0.28	ETF	2007-10-11	4.44	9.02	Broad/Mixed	
23	HYMU	Blackrock High Yield Muni Income Bond ETF	22.45	91	40	0.35	ETF	2021-03-18	4.86	8.28	Broad/Mixed	
24	VTEC	Vanguard California Tax-Exempt Bond ETF	100.48	50	15	0.08	ETF	2024-01-30	3.51	5.61	Broad/Mixed	
25	JHMU	John Hancock Dynamic Municipal Bond ETF	26.96	23	1	0.39	ETF	2023-11-01	4.05	5.91	Broad/Mixed	
26	CA	Xtrackers California Municipal Bond ETF	25.23	23	1	0.07	ETF	2023-12-14	3.52	5.73	Broad/Mixed	
27	RTAI	Rareview Tax Advantaged Income ETF	21.15	20	3	3.78	ETF	2020-10-21	NA	NA	Broad/Mixed	
28	MINN	Mairs & Power Minnesota Municipal Bond ETF	22.35	19	4	0.25	ETF	2021-03-10	3.52	6.30	Broad/Mixed	
29	FMNY	First Trust New York Municipal High Income ETF	26.98	18	3	0.50	ETF	2021-05-13	3.68	5.66	Broad/Mixed	
30	MFLX	First Trust Flexible Municipal High Income ETF	16.96	16	1	0.88	ETF	2016-09-28	4.58	8.25	Broad/Mixed	
31	ZTAX	X-Square Municipal Income Tax Free ETF	27.20	3	0.1	1.14	ETF	2023-05-19	4.36	7.00	Broad/Mixed	
32	MLN	VanEck Long Muni ETF	18.01	451	202	0.24	ETF	2008-01-07	4.35	8.87	Long Term	
33	RVNU	Xtrackers Municipal Infr Revenue Bond ETF	25.66	125	13	0.15	ETF	2013-06-04	4.41	9.36	Long Term	
34	TAFL	AB Tax-Aware Long Municipal ETF	25.53	28	0	0.28	ETF	2023-12-13	4.16	7.88	Long Term	
35	IBMM	iShares iBonds Dec 2024 Term Muni Bond ETF	25.95	483	88	0.18	ETF	2018-03-22	3.24	0.33	Maturity 2024	
36	BSMO	Invesco BulletShares 2024 Municipal Bond ETF	24.78	208	27	0.18	ETF	2019-09-25	3.85	0.56	Maturity 2024	

U.S. MUNICIPAL FIXED INCOME											Grouped by strategy and sorted by AUM	
82	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
37	IBMN	iShares iBonds Dec 2025 Term Muni Bond ETF	26.46	536	58	0.18	ETF	2018-11-15	3.06	1.23	Maturity 2025	
38	BSMP	Invesco BulletShares 2025 Municipal Bond ETF	24.34	217	30	0.18	ETF	2019-09-25	3.92	1.66	Maturity 2025	
39	IBMO	iShares iBonds Dec 2026 Term Muni Bond ETF	25.35	451	64	0.18	ETF	2019-04-04	2.90	1.98	Maturity 2026	
40	BSMQ	Invesco BulletShares 2026 Municipal Bond ETF	23.57	176	31	0.18	ETF	2019-09-25	3.82	2.81	Maturity 2026	
41	IBMP	iShares iBonds Dec 2027 Term Muni Bond ETF	25.17	417	53	0.18	ETF	2019-04-11	2.76	2.79	Maturity 2027	
42	BSMR	Invesco BulletShares 2027 Municipal Bond ETF	23.66	123	23	0.18	ETF	2019-09-25	3.85	4.09	Maturity 2027	
43	IBMQ	iShares iBonds Dec 2028 Term Muni Bond ETF	25.27	314	60	0.18	ETF	2019-04-18	2.68	3.61	Maturity 2028	
44	BSMS	Invesco BulletShares 2028 Municipal Bond ETF	23.48	101	19	0.18	ETF	2019-09-25	3.72	5.06	Maturity 2028	
45	IBMR	iShares iBonds Dec 2029 Term Muni Bond ETF	25.25	95	48	0.18	ETF	2023-05-11	2.58	4.49	Maturity 2029	
46	BSMT	Invesco BulletShares 2029 Municipal Bond ETF	23.24	90	17	0.18	ETF	2019-09-25	3.64	6.06	Maturity 2029	
47	BSMU	Invesco BulletShares 2030 Municipal Bond ETF	22.12	84	18	0.18	ETF	2020-09-16	3.52	6.87	Maturity 2030	
48	BSMV	Invesco Bulletshares 2031 Municipal Bond ETF	21.31	57	17	0.18	ETF	2021-09-15	3.50	7.73	Maturity 2031	
49	BSMW	Invesco BulletShares 2032 Municipal Bond ETF	25.52	61	13	0.18	ETF	2023-03-01	3.75	8.88	Maturity 2032	
50	BSSX	Invesco BulletShares 2033 Municipal Bond ETF	26.24	31	8	0.18	ETF	2023-09-20	3.97	9.54	Maturity 2033	
51	ITM	VanEck Intermediate Muni ETF	46.51	1,870	214	0.18	ETF	2007-12-06	3.71	5.55	Mid Term	
52	MUNI	PIMCO Intermediate Municipal Bond Active	52.47	1,400	101	0.35	ETF	2009-12-02	3.92	4.94	Mid Term	
53	JMUB	JPMorgan Municipal ETF	50.74	1,280	138	0.18	ETF	2018-10-31	3.65	5.77	Mid Term	
54	DFNM	Dimensional National Municipal Bond ETF	48.09	1,229	73	0.18	ETF	2021-11-15	3.25	3.61	Mid Term	
55	MMIT	IQ MacKay Municipal Intermediate ETF	24.39	654	101	0.30	ETF	2017-10-18	4.00	4.78	Mid Term	
56	DFCA	Dimensional California Municipal Bond ETF	50.42	260	27	0.19	ETF	2023-06-26	3.51	3.45	Mid Term	
57	FLMI	Franklin Dynamic Municipal Bond ETF	24.53	197	43	0.30	ETF	2017-08-31	4.55	5.57	Mid Term	
58	APMU	Activepassive Intermediate Municipal Bond ETF	24.84	72	12	0.36	ETF	2023-05-03	3.06	3.62	Mid Term	
59	VTEI	Vanguard Intermediate Tax-Exempt Bond ETF	100.22	58	12	0.08	ETF	2024-01-30	3.44	4.67	Mid Term	
60	MBND	SPDR Nuveen Municipal Bond ETF	27.53	48	5	0.40	ETF	2021-02-04	4.32	5.62	Mid Term	
61	MNBD	ALPS Intermediate Municipal Bond ETF	25.77	32	2	0.50	ETF	2022-05-20	4.18	5.97	Mid Term	
62	IMSI	Invesco Municipal Strategic Income ETF	51.16	31	0.2	0.39	ETF	2022-12-09	4.38	4.81	Mid Term	
63	TAFM	AB Tax-Aware Intermediate Municipal ETF	25.42	25	0	0.28	ETF	2023-12-13	3.81	5.76	Mid Term	
64	MMCA	IQ Mackay California Municipal Intermediate ETF	21.71	25	4	0.35	ETF	2021-12-22	3.85	5.54	Mid Term	
65	EVIM	Eaton Vance Intermediate Municipal Income ETF	52.53	21	0	0.29	ETF	2023-10-19	3.91	4.78	Mid Term	
66	INMU	Blackrock Intermediate Muni Income Bond ETF	23.76	19	1	0.30	ETF	2021-03-18	4.03	4.59	Mid Term	
67	GMUN	Goldman Sachs Community Municipal Bond ETF	49.88	10	0.1	0.25	ETF	2023-03-09	3.26	3.90	Mid Term	
68	SUB	iShares Short-Term National Muni Bond ETF	104.73	8,820	332	0.25	ETF	2008-11-07	2.94	1.80	Short Term	
69	SHM	SPDR Nuveen Bloomberg Short Term Muni Bond ETF	47.44	3,856	223	0.20	ETF	2007-10-15	2.74	2.72	Short Term	
70	SMMU	PIMCO Short Term Municipal Bond Active	49.90	563	35	0.35	ETF	2010-02-03	3.62	2.03	Short Term	
71	TAFI	AB Tax Aware Short Duration Municipal ETF	25.09	461	177	0.27	ETF	2022-09-14	3.72	2.08	Short Term	
72	FSMB	First Trust Short Duration Managed Municipal ETF	19.84	414	99	0.55	ETF	2018-11-02	3.81	2.25	Short Term	
73	VTEI	Vanguard Short-Term Tax-Exempt Bond ETF	100.70	400	22	0.07	ETF	2023-03-09	3.05	2.30	Short Term	
74	SMB	VanEck Short Muni ETF	17.02	248	42	0.07	ETF	2008-02-26	3.06	2.09	Short Term	
75	EVSM	Eaton Vance Short Duration Municipal Income ETF	49.88	125	NA	0.19	ETF	2024-03-25	3.79	1.75	Short Term	
76	CGSM	Capital Group Short Duration Municipal Income ETF	25.71	46	12	0.25	ETF	2023-09-28	3.57	3.06	Short Term	
77	STAX	Macquarie Tax-Free USA Short Term ETF	25.18	5	0	0.29	ETF	2023-11-29	NA	2.13	Short Term	
78	JMST	JPMorgan Ultra-Short Municipal Income ETF	50.74	2,646	258	0.18	ETF	2018-10-18	3.69	0.55	Ultra Short Term	
79	MEAR	BlackRock Short Maturity Municipal Bond ETF	50.12	634	57	0.25	ETF	2015-03-05	3.77	0.53	Ultra Short Term	
80	FUMB	First Trust Ultra Short Duration Municipal ETF	20.04	217	63	0.25	ETF	2018-11-02	3.41	0.64	Ultra Short Term	
81	PVI	Invesco Floating Rate Municipal Income ETF	24.80	37	8	0.25	ETF	2007-11-15	3.17	0.02	Ultra Short Term	
82	CALY	BlackRock Short-Term California Muni Bond ETF	50.26	20	4	0.20	ETF	2023-07-13	3.28	1.03	Ultra Short Term	

U.S. INVEST. GRADE CORP FIXED INCOME											Grouped by strategy and sorted by AUM	
79	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
1	LQD	iShares iBoxx \$ Investment Grade Corp	108.92	32,624	28,924	0.15	ETF	2002-07-26	5.36	8.29	Broad/Mixed	
2	USIG	iShares Broad USD Investment Grade Corp	50.77	10,715	987	0.15	ETF	2007-01-11	5.42	6.66	Broad/Mixed	
3	SPBO	SPDR Portfolio Corporate Bond	29.11	1,350	219	0.03	ETF	2011-04-07	5.47	6.92	Broad/Mixed	
4	CORP	PIMCO Investment Grade Corporate Bond Index	96.05	1,103	50	0.20	ETF	2010-09-21	5.16	6.49	Broad/Mixed	
5	QLTA	iShares Aaa - A Rated Corporate Bond ETF	47.48	1,058	157	0.15	ETF	2012-02-16	5.18	6.97	Broad/Mixed	
6	VTC	Vanguard Total Corporate Bond Fund	76.62	981	41	0.04	ETF	2017-11-09	5.40	6.90	Broad/Mixed	
7	GIGB	Goldman Sachs Access Investment Grade Corp	45.79	739	51	0.14	ETF	2017-06-08	5.08	6.95	Broad/Mixed	
8	IGEB	iShares Investment Grade Systematic Bond ETF	44.85	600	91	0.18	ETF	2017-07-13	5.57	6.50	Broad/Mixed	
9	CMBS	iShares CMBS ETF	47.10	436	40	0.25	ETF	2012-02-16	5.53	4.17	Broad/Mixed	
10	FLCO	Franklin Investment Grade Corporate ETF	21.35	364	87	0.35	ETF	2016-10-03	5.18	6.93	Broad/Mixed	
11	KORP	American Century Diversified Corporate Bond ETF	46.28	252	15	0.29	ETF	2018-01-16	5.14	4.35	Broad/Mixed	
12	FCOR	Fidelity Corporate Bond ETF	46.50	216	18	0.36	ETF	2014-10-09	5.67	6.89	Broad/Mixed	
13	UCRD	VictoryShares Corporate Bond ETF	21.08	126	0.0	0.40	ETF	2021-10-05	5.33	6.68	Broad/Mixed	
14	IG	Principal Investment Grade Corporate Active ETF	20.66	77	15	0.19	ETF	2018-04-19	5.10	6.94	Broad/Mixed	

U.S. INVEST. GRADE CORP FIXED INCOME											Grouped by strategy and sorted by AUM	
79	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
15	LQIG	SPDR MarketAxess Investment Grade 400 Corp	95.96	57	7	0.07	ETF	2022-05-11	5.48	7.65	Broad/Mixed	
16	PFIG	Invesco Fundamental Investment Grade Corp	23.46	53	16	0.22	ETF	2011-09-15	5.20	4.10	Broad/Mixed	
17	BBCB	JPMorgan BetaBuilders USD Investment Grade Corp	45.52	49	4	0.14	ETF	2018-12-14	5.14	7.02	Broad/Mixed	
18	LQDI	iShares Inflation Hedged Corporate Bond ETF	26.15	44	13	0.18	ETF	2018-05-10	5.18	7.85	Broad/Mixed	
19	JHCB	John Hancock Corporate Bond ETF	21.23	43	10	0.29	ETF	2021-03-31	5.40	7.11	Broad/Mixed	
20	LQDB	iShares BBB Rated Corporate Bond ETF	85.77	34	1	0.15	ETF	2021-05-20	5.49	6.39	Broad/Mixed	
21	EYEG	AB Corporate Bond ETF	35.75	25	0	0.30	ETF	2023-12-13	5.56	6.96	Broad/Mixed	
22	CAAA	First Trust Commercial Mortgage Opportunities	20.27	15	0	0.55	ETF	2024-02-28	5.95	3.79	Broad/Mixed	
23	WFIG	WisdomTree US Corporate Bond Fund	44.32	13	6	0.18	ETF	2016-04-27	5.10	6.30	Broad/Mixed	
24	MIG	VanEck Moody's Analytics IG Corporate Bond ETF	21.22	13	1	0.20	ETF	2020-12-02	5.28	6.39	Broad/Mixed	
25	SPXB	ProShares S&P 500 Bond ETF	75.56	9	0.4	0.15	ETF	2018-05-03	5.02	7.53	Broad/Mixed	
26	MBBB	VanEck Moody's Analytics BBB Corporate Bond ETF	21.29	9	1	0.25	ETF	2020-12-02	5.45	6.43	Broad/Mixed	
27	VCLT	Vanguard Long-Term Corporate Bond ETF	78.23	8,128	2,070	0.04	ETF	2009-11-23	5.30	12.86	Long Term	
28	IGLB	iShares 10+ Year Investment Grade Corp	51.51	2,219	976	0.20	ETF	2009-12-09	5.60	12.62	Long Term	
29	SPLB	SPDR Portfolio Long Term Corporate Bond ETF	23.24	788	698	0.04	ETF	2009-03-11	5.60	12.78	Long Term	
30	LKOR	FlexShares Credit-Scored US Long Corp Index Fund	43.80	33	3	0.15	ETF	2015-09-24	5.40	12.86	Long Term	
31	BBBL	BondBloxx BBB Rated 10+ Year Corporate Bond ETF	49.84	5	0	0.19	ETF	2024-01-25	5.56	12.22	Long Term	
32	BSCO	Invesco BulletShares 2024 Corporate Bond ETF	20.97	3,489	915	0.10	ETF	2014-09-17	5.52	0.35	Maturity 2024	
33	IBDP	iShares iBonds Dec 2024 Term Corporate ETF	25.05	2,694	502	0.10	ETF	2015-03-12	5.66	0.37	Maturity 2024	
34	BSCP	Invesco BulletShares 2025 Corporate Bond ETF	20.43	3,743	956	0.10	ETF	2015-10-07	5.46	1.15	Maturity 2025	
35	IBDQ	iShares iBonds Dec 2025 Term Corporate ETF	24.81	2,611	410	0.10	ETF	2015-03-12	5.44	1.13	Maturity 2025	
36	BSCQ	Invesco BulletShares 2026 Corporate Bond ETF	19.21	2,946	784	0.10	ETF	2016-09-14	5.26	2.06	Maturity 2026	
37	IBDR	iShares iBonds Dec 2026 Term Corporate ETF	23.85	2,522	406	0.10	ETF	2016-09-15	5.22	2.03	Maturity 2026	
38	IBDS	iShares iBonds Dec 2027 Term Corporate ETF	23.80	2,242	377	0.10	ETF	2017-09-14	5.12	2.91	Maturity 2027	
39	BSCR	Invesco BulletShares 2027 Corporate Bond ETF	19.29	1,769	462	0.10	ETF	2017-09-27	5.17	2.93	Maturity 2027	
40	IBDT	iShares iBonds Dec 2028 Term Corporate ETF	24.91	1,746	416	0.10	ETF	2018-09-20	5.14	3.71	Maturity 2028	
41	BSCS	Invesco BulletShares 2028 Corporate Bond ETF	20.07	1,501	448	0.10	ETF	2018-08-09	5.16	3.73	Maturity 2028	
42	IBDU	iShares iBonds Dec 2029 Term Corporate ETF	22.82	1,263	356	0.10	ETF	2019-09-19	5.13	4.52	Maturity 2029	
43	BSCT	Invesco BulletShares 2029 Corporate Bond ETF	18.30	855	223	0.10	ETF	2019-09-12	5.17	4.49	Maturity 2029	
44	IBDV	iShares iBonds Dec 2030 Term Corporate ETF	21.40	838	177	0.10	ETF	2020-06-25	5.21	5.35	Maturity 2030	
45	BSCU	Invesco BulletShares 2030 Corporate Bond ETF	16.39	653	177	0.10	ETF	2020-09-16	5.24	5.47	Maturity 2030	
46	IBDW	iShares iBonds Dec 2031 Term Corporate ETF	20.49	781	209	0.10	ETF	2021-06-24	5.32	6.20	Maturity 2031	
47	BSCV	Invesco BulletShares 2031 Corporate Bond ETF	16.12	420	108	0.10	ETF	2021-09-15	5.31	6.23	Maturity 2031	
48	IBDX	iShares iBonds Dec 2032 Term Corporate ETF	24.81	554	116	0.10	ETF	2022-06-30	5.32	6.68	Maturity 2032	
49	BSCW	Invesco BulletShares 2032 Corporate Bond ETF	20.25	428	177	0.10	ETF	2022-09-08	5.34	6.74	Maturity 2032	
50	IBDY	iShares iBonds Dec 2033 Term Corporate ETF	25.48	390	130	0.10	ETF	2023-06-23	5.35	7.07	Maturity 2033	
51	BSCX	Invesco BulletShares 2033 Corporate Bond ETF	20.85	210	104	0.10	ETF	2023-09-20	5.37	7.11	Maturity 2033	
52	VCIT	Vanguard Intermediate-Term Corporate Bond ETF	80.51	46,863	6,518	0.04	ETF	2009-11-23	5.04	6.08	Mid Term	
53	IGIB	iShares 5-10 Year Investment Grade Corp	51.60	12,868	1,817	0.20	ETF	2007-01-11	5.38	6.06	Mid Term	
54	SPIB	SPDR Portfolio Intermediate Term Corp	32.69	8,630	3,857	0.04	ETF	2009-02-11	5.37	4.04	Mid Term	
55	SCHI	Schwab 5-10 Year Corporate Bond ETF	44.49	6,445	290	0.03	ETF	2019-10-10	5.05	6.04	Mid Term	
56	SKOR	FlexShares Credit-Scored US Corp Index Fund	47.78	336	20	0.15	ETF	2014-11-13	5.12	3.96	Mid Term	
57	IBD	Inspire Corporate Bond ETF	23.48	255	36	0.44	ETF	2017-07-11	5.00	4.05	Mid Term	
58	FIIG	First Trust Intermediate Duration I.G. Corporate	20.57	109	188	0.65	ETF	2023-08-03	5.06	6.52	Mid Term	
59	IIGD	Invesco Investment Grade Defensive ETF	24.06	48	4	0.13	ETF	2018-07-25	5.12	3.26	Mid Term	
60	ZTEN	F/m 10-Year Investment Grade Corporate Bond ETF	50.09	16	2	0.15	ETF	2024-01-11	5.24	7.21	Mid Term	
61	BBBI	BondBloxx BBB Rated 5-10 Year Corp	50.30	5	1	0.19	ETF	2024-01-25	5.23	5.86	Mid Term	
62	LQDH	iShares Interest Rate Hedged Corporate Bond ETF	94.04	320	20	0.23	ETF	2014-05-29	6.57	0.06	Rate Hedged	
63	IGHG	ProShares Investment Grade-Rate-Hdgd ETF	76.51	281	17	0.30	ETF	2013-11-07	5.31	0.18	Rate Hedged	
64	IGBH	iShares Rate-Hdgd Long-Term Corporate Bond ETF	24.60	104	36	0.54	ETF	2015-07-23	6.95	0.05	Rate Hedged	
65	VCSH	Vanguard Short-Term Corporate Bond ETF	77.31	35,567	3,371	0.04	ETF	2009-11-23	4.93	2.53	Short Term	
66	IGSB	iShares 1-5 Year Investment Grade Corp	51.28	21,047	2,579	0.20	ETF	2007-01-11	5.32	2.56	Short Term	
67	SPSB	SPDR Portfolio Short Term Corporate Bond ETF	29.77	7,646	1,704	0.04	ETF	2009-12-17	5.38	1.79	Short Term	
68	SLQD	iShares 0-5 Year Investment Grade Corp	49.22	2,103	241	0.06	ETF	2013-10-17	5.30	2.07	Short Term	
69	FSIG	First Trust Limited Duration I.G. Corporate ETF	18.77	1,088	392	0.55	ETF	2021-11-18	4.95	2.81	Short Term	
70	SCHJ	Schwab 1-5 Year Corporate Bond ETF	48.33	401	46	0.03	ETF	2019-10-10	4.94	2.49	Short Term	
71	DCRE	DoubleLine Commercial Real Estate ETF	51.25	111	9	0.39	ETF	2023-03-31	6.41	1.11	Short Term	
72	SFIG	WisdomTree US Short Term Corporate Bond Fund	47.69	52	2	0.18	ETF	2016-04-27	4.91	2.48	Short Term	
73	FCSH	Federated Hermes Short Duration Corporate ETF	23.79	27	1	0.30	ETF	2021-12-15	4.99	2.48	Short Term	
74	ZTRE	F/m 3-Year Investment Grade Corporate Bond ETF	50.11	16	1	0.15	ETF	2024-01-11	4.98	2.62	Short Term	
75	ZTWO	F/m 2-Year Investment Grade Corporate Bond ETF	50.15	10	2	0.15	ETF	2024-01-11	5.04	1.74	Short Term	
76	GSIG	GS Access I.G. Corporate 1-5 Year Bond	46.71	9	0.4	0.14	ETF	2020-07-09	4.93	2.50	Short Term	
77	BBBS	BondBloxx BBB Rated 1-5 Year Corporate Bond ETF	50.23	3	1	0.19	ETF	2024-01-25	5.12	2.48	Short Term	

U.S. INVEST. GRADE CORP FIXED INCOME											Grouped by strategy and sorted by AUM	
79	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
78	FLTR	VanEck IG Floating Rate ETF	25.51	1,404	399	0.14	ETF	2011-04-26	5.06	-0.15	Ultra Short Term	
79	BUXX	Strive Enhanced Income Short Maturity ETF	20.22	89	60	0.25	ETF	2023-08-10	5.86	0.77	Ultra Short Term	

GLOBAL FIXED INCOME											Grouped by strategy and sorted by AUM	
73	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
1	FBND	Fidelity Total Bond ETF	45.31	7,930	886	0.36	ETF	2014-10-09	5.65	5.88	Broad/Mixed	
2	FIXD	First Trust TCW Opportunistic Fixed Income ETF	43.60	5,202	866	0.65	ETF	2017-02-15	5.24	6.92	Broad/Mixed	
3	DFCF	Dimensional Core Fixed Income ETF	41.95	4,733	610	0.19	ETF	2021-11-15	5.14	5.96	Broad/Mixed	
4	BOND	PIMCO Active Bond Exchange-Traded Fund	91.86	4,193	237	0.55	ETF	2012-03-01	5.68	5.63	Broad/Mixed	
5	JCPB	JPMorgan Core Plus Bond ETF	46.65	2,864	466	0.40	ETF	2019-01-30	5.58	6.34	Broad/Mixed	
6	TOTL	SPDR Doubleline Total Return Tactical ETF	40.05	2,826	368	0.55	ETF	2015-02-24	6.08	6.16	Broad/Mixed	
7	UCON	First Trust Tcw Unconstrained Plus Bond ETF	24.60	2,193	524	0.65	ETF	2018-06-05	6.25	3.26	Broad/Mixed	
8	HTRB	Hartford Total Return Bond ETF	33.74	1,497	143	0.29	ETF	2017-09-28	5.69	6.10	Broad/Mixed	
9	GTO	Invesco Total Return Bond ETF	46.81	1,261	152	0.25	ETF	2016-02-10	7.02	6.19	Broad/Mixed	
10	JPIE	JPMorgan Income ETF	45.56	1,152	155	0.41	ETF	2021-10-28	6.63	3.15	Broad/Mixed	
11	BNDW	Vanguard Total World Bond ETF	68.61	777	74	0.05	ETF	2018-09-06	4.90	6.60	Broad/Mixed	
12	AVIG	Avantis Core Fixed Income ETF	41.25	691	54	0.15	ETF	2020-10-15	5.09	6.08	Broad/Mixed	
13	DFGP	Dimensional Global Core Plus Fixed Income ETF	53.38	558	124	0.22	ETF	2023-11-07	5.85	6.96	Broad/Mixed	
14	PYLD	PIMCO Multi Sector Bond Active ETF	25.76	530	397	0.55	ETF	2023-06-21	6.80	4.99	Broad/Mixed	
15	DIAL	Columbia Diversified Fixed Income Allocation ETF	17.78	415	48	0.28	ETF	2017-10-12	5.35	6.09	Broad/Mixed	
16	UBND	VictoryShares Core Plus Intermediate Bond ETF	21.57	315	23	0.40	ETF	2021-10-05	5.79	5.50	Broad/Mixed	
17	HCRB	Hartford Core Bond ETF	34.86	261	60	0.29	ETF	2020-02-20	5.60	6.24	Broad/Mixed	
18	DBND	Doubleline Opportunistic Bond ETF	45.88	259	32	0.50	ETF	2022-03-31	5.74	6.00	Broad/Mixed	
19	DFGX	Dimensional Global ex US Core Fixed Income ETF	53.01	227	78	0.20	ETF	2023-11-07	5.82	6.89	Broad/Mixed	
20	FISR	SPDR SSGA Fixed Income Sector Rotation ETF	25.63	222	107	0.50	ETF	2019-04-03	NA	NA	Broad/Mixed	
21	CGCB	Capital Group Core Bond ETF	25.99	206	117	0.27	ETF	2023-09-28	5.10	6.10	Broad/Mixed	
22	PTRB	PGIM Total Return Bond ETF	41.60	202	79	0.49	ETF	2021-12-02	5.38	6.10	Broad/Mixed	
23	MUSI	American Century Multisector Income ETF	43.40	193	11	0.36	ETF	2021-07-01	6.11	5.03	Broad/Mixed	
24	SPSK	SP Funds Dow Jones Global Sukuk ETF	17.78	184	92	0.55	ETF	2019-12-18	5.17	4.31	Broad/Mixed	
25	DGCB	Dimensional Global Credit ETF	52.95	174	85	0.20	ETF	2023-11-07	5.76	5.78	Broad/Mixed	
26	BYLD	iShares Yield Optimized Bond ETF	22.36	169	48	0.19	ETF	2014-04-24	5.99	4.84	Broad/Mixed	
27	OACB	OneAscent Core Plus Bond ETF	22.70	150	36	0.77	ETF	2022-03-31	5.48	6.24	Broad/Mixed	
28	AFIF	Anfield Universal Fixed Income ETF	9.10	109	44	1.09	ETF	2018-09-18	6.14	1.74	Broad/Mixed	
29	SIO	Touchstone Strategic Income Opportunities ETF	25.44	105	0.2	0.65	ETF	2022-07-25	6.87	4.80	Broad/Mixed	
30	RIGS	Riverfront Strategic Income Fund	22.88	103	21	0.46	ETF	2013-10-08	5.64	4.83	Broad/Mixed	
31	NFLT	Virtus Newfleet Multi-Sector Bond ETF	22.43	89	54	0.50	ETF	2015-08-11	7.08	4.07	Broad/Mixed	
32	BRTR	BlackRock Total Return ETF	50.65	81	5	0.38	ETF	2023-12-14	5.47	5.91	Broad/Mixed	
33	DYLD	LeaderShares Dynamic Yield ETF	22.55	73	7	0.75	ETF	2021-06-29	5.89	3.21	Broad/Mixed	
34	XFLX	FundX Flexible ETF	24.32	60	9	1.17	ETF	2023-10-06	NA	NA	Broad/Mixed	
35	FIGB	Fidelity Investment Grade Bond ETF	42.74	55	19	0.36	ETF	2021-03-02	5.12	6.45	Broad/Mixed	
36	SSFI	Day Hagan/Ned Davis Research Smart Sector	21.19	39	5	0.79	ETF	2021-09-29	NA	NA	Broad/Mixed	
37	WBND	Western Asset Total Return ETF	20.17	38	14	0.45	ETF	2018-10-03	5.02	6.82	Broad/Mixed	
38	FXED	Sound Enhanced Fixed Income ETF	18.69	34	9	1.89	ETF	2020-12-31	5.94	4.37	Broad/Mixed	
39	SIFI	Harbor Scientific Alpha Income ETF	43.37	34	1	0.50	ETF	2021-09-16	6.70	4.62	Broad/Mixed	
40	RMIF	LHA Risk-Managed Income ETF	25.17	31	1	1.27	ETF	2023-06-09	NA	NA	Broad/Mixed	
41	ADFI	Anfield Dynamic Fixed Income ETF	8.53	28	33	1.75	ETF	2020-08-18	5.08	4.89	Broad/Mixed	
42	DYFI	IDX Dynamic Fixed Income ETF	24.90	26	18	0.70	ETF	2024-01-10	7.58	3.21	Broad/Mixed	
43	RFCI	RiverFront Dynamic Core Income ETF	22.32	25	1	0.53	ETF	2016-06-14	5.55	5.79	Broad/Mixed	
44	FTCB	First Trust Core Investment Grade ETF	20.91	16	19	0.55	ETF	2023-11-08	4.95	6.44	Broad/Mixed	
45	GHMS	Goose Hollow Multi-Strategy Income ETF	25.81	12	0	1.20	ETF	2023-11-15	11.14	0.25	Broad/Mixed	
46	TYLD	Cambria Tactical Yield ETF	25.18	11	4	0.59	ETF	2024-01-04	5.30	0.28	Broad/Mixed	
47	WTBN	WisdomTree Bianco Total Return Fund	24.77	4	3	0.54	ETF	2023-12-20	4.57	5.40	Broad/Mixed	
48	VSHY	Virtus Newfleet Short Duration High Yield Bond ETF	21.62	3	1	0.71	ETF	2016-12-06	9.03	2.61	Broad/Mixed	
49	KDRN	Kingsbarn Tactical Bond ETF	22.95	1	1	1.14	ETF	2021-12-21	4.97	5.27	Broad/Mixed	
50	FFIU	UVA Unconstrained Medium-Term	21.86	43	1	0.76	ETF	2017-08-21	5.19	8.29	Mid Term	
51	DFSD	Dimensional Short-Duration Fixed Income ETF	47.04	2,557	346	0.18	ETF	2021-11-15	5.28	1.54	Short Term	
52	VNLA	Janus Henderson Short Duration Income ETF	48.50	2,253	301	0.23	ETF	2016-11-17	5.67	1.22	Short Term	
53	LDUR	PIMCO Enhanced Low Duration Active	94.86	902	53	0.46	ETF	2014-01-22	5.33	1.66	Short Term	
54	JSCP	JPMorgan Short Duration Core Plus ETF	46.53	409	48	0.33	ETF	2021-03-01	5.82	2.77	Short Term	
55	AVSF	Avantis Short-Term Fixed Income ETF	46.28	349	58	0.15	ETF	2020-10-15	5.07	2.37	Short Term	
56	STOT	SPDR DoubleLine Short Duration Tactical ETF	46.99	171	16	0.45	ETF	2016-04-14	5.86	1.33	Short Term	
57	FLTB	Fidelity Ltd Term Bond ETF	49.05	145	14	0.25	ETF	2014-10-09	5.85	2.55	Short Term	
58	HSRT	Hartford AAA CLO ETF	38.95	107	9	0.24	ETF	2018-05-31	5.94	0.13	Short Term	

GLOBAL FIXED INCOME											Grouped by strategy and sorted by AUM	
73	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
59	SBND	Columbia Short Duration Bond ETF	18.40	53	3	0.25	ETF	2021-09-21	5.88	2.89	Short Term	
60	PSDM	PGIM SHORT DURATION MULTI-SECTOR BOND ETF	50.71	35	2	0.40	ETF	2023-07-19	5.26	1.80	Short Term	
61	WINC	Western Asset Short Duration Income ETF	23.93	11	2	0.29	ETF	2019-02-07	5.88	1.95	Short Term	
62	ISDB	Invesco Short Duration Bond ETF	24.82	10	2	0.36	ETF	2022-12-09	6.16	1.74	Short Term	
63	FLDB	Fidelity Low Duration Bond ETF	50.07	5	1	0.20	ETF	2024-02-26	5.69	0.58	Short Term	
64	MINT	PIMCO Enhanced Short Maturity Active	100.54	11,034	788	0.35	ETF	2009-11-17	5.81	0.15	Ultra Short Term	
65	FLOT	iShares Floating Rate Bond ETF	51.06	7,294	1,093	0.20	ETF	2011-06-17	6.00	0.03	Ultra Short Term	
66	FTSM	First Trust Enhanced Short Maturity ETF	59.62	6,592	807	0.45	ETF	2014-08-06	5.58	0.57	Ultra Short Term	
67	ICSH	BlackRock Ultra Short-Term Bond ETF	50.56	5,568	1,119	0.08	ETF	2013-12-13	5.52	0.44	Ultra Short Term	
68	NEAR	BlackRock Short Duration Bond ETF	50.46	3,012	381	0.25	ETF	2013-09-26	5.77	1.91	Ultra Short Term	
69	GSY	Invesco Ultra Short Duration ETF	49.89	1,985	369	0.23	ETF	2008-02-12	5.79	0.76	Ultra Short Term	
70	RAVI	FlexShares Ultra-Short Income Fund	75.45	1,144	65	0.25	ETF	2012-10-11	5.74	0.37	Ultra Short Term	
71	FUSI	American Century Multisector Floating Income ETF	50.91	20	3	0.27	ETF	2023-03-16	6.47	0.48	Ultra Short Term	
72	ULTR	IQ Ultra Short Duration ETF	48.05	14	1	0.24	ETF	2019-07-31	5.66	0.38	Ultra Short Term	
73	FLUD	Franklin Ultra Short Bond ETF	24.87	4	0.4	0.15	ETF	2020-07-16	5.82	0.19	Ultra Short Term	

OTHER FOREIGN FIXED INCOME											Grouped by region and sorted by AUM	
32	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Region	
1	EMB	iShares J.P. Morgan USD Emerg Mkts Bond ETF	89.67	13,631	6,383	0.39	ETF	2007-12-19	6.95	7.11	Emerging Markets	
2	VWOB	Vanguard Emerging Markets Government Bond ETF	63.85	4,191	368	0.20	ETF	2013-06-04	7.22	7.04	Emerging Markets	
3	EMLC	VanEck J. P. Morgan EM Local Currency Bond ETF	24.51	3,021	2,032	0.30	ETF	2010-07-23	7.14	4.90	Emerging Markets	
4	EBND	SPDR Bloomberg Emerging Markets Local Bond ETF	20.50	1,985	434	0.30	ETF	2011-02-24	6.46	6.16	Emerging Markets	
5	PCY	Invesco Emerging Markets Sovereign Debt ETF	20.46	1,523	545	0.50	ETF	2007-10-11	7.40	10.63	Emerging Markets	
6	JPMB	JPMorgan USD Emerg Mkts Sovereign Bond ETF	39.28	671	9	0.39	ETF	2018-01-30	6.30	7.12	Emerging Markets	
7	LEMB	iShares J.P. Morgan EM Local Currency Bond ETF	36.08	448	72	0.50	ETF	2011-10-20	7.59	4.97	Emerging Markets	
8	CEMB	iShares J.P. Morgan EM Corporate Bond ETF	44.48	431	72	0.50	ETF	2012-04-19	6.70	4.44	Emerging Markets	
9	EMHC	SPDR Bloomberg Emerging Markets USD Bond ETF	24.17	309	129	0.23	ETF	2021-04-07	6.59	7.13	Emerging Markets	
10	XEMD	BondBloxx JP Morgan USD EM 1-10 Year Bond	41.60	202	2	0.29	ETF	2022-06-30	7.56	4.05	Emerging Markets	
11	FEMB	First Trust Emerg Mkts Local Currency Bond ETF	28.17	160	36	0.85	ETF	2014-11-05	7.01	4.86	Emerging Markets	
12	EMBD	Global X Emerging Markets Bond ETF	22.60	137	13	0.39	ETF	2020-06-03	6.79	7.25	Emerging Markets	
13	ELD	WisdomTree Emerging Markets Local Debt Fund	27.38	85	10	0.55	ETF	2010-08-09	7.13	4.49	Emerging Markets	
14	EMTL	SPDR DoubleLine Emerg Mkts Fixed Income ETF	42.19	82	7	0.65	ETF	2016-04-14	7.19	4.35	Emerging Markets	
15	GEMD	Goldman Sachs Access Emerg Mkts USD Bond ETF	41.07	57	5	0.39	ETF	2001-02-17	6.76	6.88	Emerging Markets	
16	EMCB	WisdomTree Emerg Mkts Corporate Bond Fund	64.67	55	8	0.60	ETF	2012-03-08	6.64	4.18	Emerging Markets	
17	BEMB	iShares JPMorgan Broad USD Emerg Mkts Bond ETF	52.28	42	3	0.18	ETF	2023-02-24	6.77	5.93	Emerging Markets	
18	EFIX	First Trust TCW Emerging Markets Debt ETF	16.31	37	5	0.95	ETF	2021-02-18	7.83	6.45	Emerging Markets	
19	AEMB	American Century Emerging Markets Bond ETF	38.81	29	2	0.43	ETF	2021-07-01	7.59	6.55	Emerging Markets	
20	BNDX	Vanguard Total International Bond ETF	49.19	53,623	2,785	0.07	ETF	2013-06-04	5.68	6.75	Global Ex-U.S.	
21	IAGG	iShares Core International Aggregate Bond ETF	49.95	5,830	320	0.09	ETF	2015-11-12	3.07	6.72	Global Ex-U.S.	
22	BWX	SPDR Bloomberg International Treasury Bond ETF	22.24	889	205	0.35	ETF	2007-10-05	2.98	7.81	Global Ex-U.S.	
23	IGOV	iShares International Treasury Bond ETF	39.63	523	52	0.35	ETF	2009-01-29	2.98	7.99	Global Ex-U.S.	
24	FLIA	Franklin International Aggregate Bond ETF	20.23	490	85	0.25	ETF	2018-05-30	2.67	6.57	Global Ex-U.S.	
25	JPIB	JPMorgan International Bond Opportunities ETF	47.62	422	32	0.50	ETF	2017-04-05	5.99	3.90	Global Ex-U.S.	
26	WIP	SPDR FTSE Intl Govt Inflation-Protected Bond ETF	39.98	408	38	0.50	ETF	2008-03-19	6.32	9.57	Global Ex-U.S.	
27	BWZ	SPDR Bloomberg Short Term Intl Treasury Bond	26.36	171	11	0.35	ETF	2009-01-15	2.92	1.78	Global Ex-U.S.	
28	IBND	SPDR Bloomberg International Corporate Bond ETF	29.11	163	39	0.50	ETF	2010-05-20	3.73	4.62	Global Ex-U.S.	
29	PICB	Invesco International Corporate Bond ETF	22.36	125	34	0.50	ETF	2010-06-03	4.32	5.23	Global Ex-U.S.	
30	ISHG	iShares 1-3 Year International Treasury Bond ETF	69.89	80	5	0.35	ETF	2009-01-28	3.12	1.78	Global Ex-U.S.	
31	CBON	VanEck China Bond ETF	21.83	26	5	0.51	ETF	2014-11-11	2.34	4.19	Single Country	
32	CHAI	Defiance Israel Fixed Income ETF	25.41	3	0	0.48	ETF	2023-12-13	5.73	5.81	Single Country	

ESG FIXED INCOME											Grouped by region and sorted by AUM	
30	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Region	
1	BGRN	iShares USD Green Bond ETF	46.89	351	25	0.20	ETF	2018-11-15	5.30	5.00	Global	
2	DFSB	Dimensional Global Sustainability Fixed Income ETF	51.78	274	55	0.24	ETF	2022-11-16	5.55	6.64	Global	
3	ESGB	IQ MacKay ESG Core Plus Bond ETF	21.00	217	23	0.39	ETF	2021-06-29	6.11	6.24	Global	
4	EMNT	PIMCO Enhanced Short Maturity Active ESG	98.61	172	9	0.24	ETF	2019-12-10	5.79	0.26	Global	
5	GRNB	VanEck Green Bond ETF	23.73	91	13	0.20	ETF	2017-03-07	5.28	4.80	Global	
6	IQHI	IQ MacKay ESG High Income ETF	26.54	85	1	0.40	ETF	2022-10-25	7.31	3.34	Global	
7	PULT	Putnam ESG Ultra Short ETF	50.39	79	5	0.25	ETF	2023-01-20	6.08	0.52	Global	
8	HSUN	Hartford Sustainable Income ETF	34.04	58	1	0.54	ETF	2021-09-22	6.49	4.74	Global	
9	RHCB	BNY Mellon Responsible Horizons Corp	46.03	23	0.0	0.35	ETF	2022-03-21	5.61	6.73	Global	

ESG FIXED INCOME											Grouped by region and sorted by AUM	
30	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Region	
10	FSYD	Fidelity Sustainable High Yield ETF	46.79	19	6	0.55	ETF	2022-02-17	7.90	3.82	Global	
11	FSBD	Fidelity Sustainable Core Plus Bond ETF	46.64	12	0.3	0.36	ETF	2022-04-21	5.51	6.10	Global	
12	FSLD	Fidelity Sustainable Low Duration Bond ETF	50.00	4	0.2	0.20	ETF	2022-04-21	5.57	0.54	Global	
13	EAGG	iShares ESG Aware U.S. Aggregate Bond ETF	47.06	3,578	309	0.10	ETF	2018-10-23	4.92	6.06	U.S.	
14	SUSC	iShares ESG Aware USD Corporate Bond ETF	22.99	1,080	363	0.18	ETF	2017-07-13	5.37	6.92	U.S.	
15	SUSB	iShares ESG Aware 1-5 Year USD Corp	24.48	859	128	0.12	ETF	2017-07-13	5.27	2.54	U.S.	
16	EUSB	iShares ESG Advanced Total USD Bond Market ETF	42.83	615	46	0.12	ETF	2020-06-25	5.13	5.67	U.S.	
17	PCRB	Putnam ESG Core Bond ETF	48.49	548	98	0.35	ETF	2023-01-20	5.17	5.99	U.S.	
18	VCEB	Vanguard ESG U.S. Corporate Bond ETF	62.75	539	30	0.12	ETF	2020-09-24	5.06	6.52	U.S.	
19	NUBD	Nuveen ESG US Aggregate Bond ETF	21.97	347	81	0.16	ETF	2017-09-29	4.57	6.08	U.S.	
20	JMSI	JPMorgan Sustainable Municipal Income ETF	50.39	212	12	0.18	ETF	2023-07-14	3.88	5.45	U.S.	
21	HYXF	iShares ESG Advanced HY ETF	45.69	128	10	0.50	ETF	2016-06-16	7.86	3.59	U.S.	
22	PHYD	Putnam ESG High Yield ETF	50.91	127	19	0.55	ETF	2023-01-20	6.82	3.29	U.S.	
23	FLMB	Franklin Municipal Green Bond ETF	23.92	113	7	0.30	ETF	2017-08-31	4.21	7.22	U.S.	
24	NUHY	Nuveen ESG High Yield Corporate Bond ETF	21.12	78	83	0.30	ETF	2019-09-24	7.40	3.50	U.S.	
25	CVSB	Calvert Ultra-Short Investment Grade ETF	50.36	50	6	0.24	ETF	2023-02-01	6.03	0.53	U.S.	
26	FEIG	FlexShares ESG & Climate I.G. Corporate Core	41.12	41	2	0.12	ETF	2021-09-21	5.11	7.19	U.S.	
27	MBNE	SPDR Nuveen Municipal Bond ESG ETF	29.85	40	5	0.43	ETF	2022-04-05	4.10	5.57	U.S.	
28	SCRD	Janus Henderson Sustainable Corporate Bond ETF	41.66	31	0.0	0.35	ETF	2021-09-09	5.34	6.37	U.S.	
29	SMI	VanEck HIP Sustainable Muni ETF	46.14	19	2	0.24	ETF	2021-09-10	4.04	6.21	U.S.	
30	ELQD	iShares ESG Advanced Investment Grade Corp	81.93	12	0.4	0.18	ETF	2021-11-10	5.36	8.20	U.S.	

HIGH YIELD FIXED INCOME											Grouped by strategy and sorted by AUM	
105	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
1	HYG	iShares iBoxx \$ High Yield Corporate Bond ETF	77.73	16,699	33,866	0.49	ETF	2007-04-11	7.63	3.29	Broad/Mixed	
2	USHY	iShares Broad USD High Yield Corporate Bond ETF	36.59	11,819	4,990	0.08	ETF	2017-10-26	7.78	3.37	Broad/Mixed	
3	JNK	SPDR Bloomberg High Yield Bond ETF	95.20	8,676	4,971	0.40	ETF	2007-12-04	7.91	3.26	Broad/Mixed	
4	SPHY	SPDR Portfolio High Yield Bond ETF	23.46	4,137	2,361	0.05	ETF	2012-06-19	8.09	3.18	Broad/Mixed	
5	HYLB	Xtrackers USD High Yield Corporate Bond ETF	35.71	3,235	1,827	0.05	ETF	2016-12-07	7.79	3.17	Broad/Mixed	
6	ANGL	VanEck Fallen Angel High Yield Bond ETF	29.02	3,137	1,090	0.25	ETF	2012-04-11	6.96	5.25	Broad/Mixed	
7	HYD	VanEck High Yield Muni ETF	52.26	2,944	401	0.32	ETF	2009-02-05	5.20	6.72	Broad/Mixed	
8	BINC	Blackrock Flexible Income ETF	52.46	2,692	1,184	0.40	ETF	2023-05-23	6.60	3.10	Broad/Mixed	
9	HYMB	SPDR Nuveen Bloomberg High Yield Muni Bond ETF	25.69	2,598	796	0.35	ETF	2011-04-14	5.19	7.14	Broad/Mixed	
10	FALN	iShares Fallen Angels USD Bond ETF	26.86	1,716	556	0.25	ETF	2016-06-16	7.30	5.01	Broad/Mixed	
11	HYLS	First Trust Tactical High Yield ETF	41.23	1,478	153	1.02	ETF	2013-02-27	7.48	3.51	Broad/Mixed	
12	HYGV	FlexShares High Yield Value-Scored Bond Index Fund	41.11	1,436	247	0.37	ETF	2018-07-18	9.11	3.26	Broad/Mixed	
13	BBHY	JPMorgan BetaBuilders USD HY ETF	46.19	902	233	0.24	ETF	2016-09-14	7.89	3.80	Broad/Mixed	
14	PHB	Invesco Fundamental High Yield Corporate Bond ETF	18.13	682	103	0.50	ETF	2007-11-15	6.40	3.56	Broad/Mixed	
15	BHYB	Xtrackers USD High Yield BB-B ex Financials ETF	54.04	633	1	0.20	ETF	2023-10-27	7.06	3.34	Broad/Mixed	
16	HYDB	iShares High Yield Systematic Bond ETF	46.72	508	362	0.35	ETF	2017-07-13	7.51	3.50	Broad/Mixed	
17	HYEM	VanEck Emerging Markets High Yield Bond ETF	19.08	398	90	0.40	ETF	2012-05-09	8.96	3.25	Broad/Mixed	
18	EMHY	iShares J.P. Morgan EM High Yield Bond ETF	37.46	374	61	0.50	ETF	2012-04-03	8.68	4.99	Broad/Mixed	
19	HYBB	iShares BB Rated Corporate Bond ETF	46.25	369	18	0.25	ETF	2020-10-08	6.58	3.65	Broad/Mixed	
20	FDHY	Fidelity High Yield Factor ETF	48.00	301	27	0.45	ETF	2018-06-14	7.40	3.56	Broad/Mixed	
21	BKHY	BNY Mellon High Yield Beta ETF	47.66	286	25	0.22	ETF	2020-04-24	7.94	3.26	Broad/Mixed	
22	FLHY	Franklin High Yield Corporate ETF	23.73	269	55	0.40	ETF	2018-05-30	7.62	3.02	Broad/Mixed	
23	WFHY	WisdomTree US High Yield Corporate Bond Fund	45.31	227	21	0.38	ETF	2016-04-27	7.49	3.87	Broad/Mixed	
24	HYDW	Xtrackers Low Beta High Yield Bond ETF	46.15	217	6	0.20	ETF	2018-01-11	6.13	3.11	Broad/Mixed	
25	PTBD	Pacer Trendpilot US Bond ETF	20.40	183	32	0.60	ETF	2019-10-23	7.73	3.18	Broad/Mixed	
26	SCYB	Schwab High Yield Bond ETF	52.16	135	44	0.10	ETF	2023-07-11	7.65	3.40	Broad/Mixed	
27	PGHY	Invesco Global Ex US High Yield Corporate Bond ETF	19.72	135	21	0.35	ETF	2013-06-20	8.32	3.30	Broad/Mixed	
28	GHYG	iShares US & Intl High Yield Corp Bond ETF	44.15	132	13	0.50	ETF	2012-04-05	7.22	3.16	Broad/Mixed	
29	GHYB	Goldman Sachs Access HY ETF	44.23	131	13	0.34	ETF	2017-09-07	7.51	3.33	Broad/Mixed	
30	SIHY	Harbor Scientific Alpha High-Yield ETF	45.52	125	5	0.48	ETF	2021-09-16	7.66	3.27	Broad/Mixed	
31	PHYL	PGIM Active High Yield Bond ETF	35.03	124	13	0.39	ETF	2018-09-24	7.80	3.45	Broad/Mixed	
32	HYFI	AB High Yield ETF	36.78	123	25	0.40	ETF	2023-05-15	7.72	3.40	Broad/Mixed	
33	AOHY	Angel Oak High Yield Opportunities ETF	10.96	75	40	0.55	ETF	2009-04-01	7.89	3.08	Broad/Mixed	
34	XHYI	BondBloxx USD High Yield Bond Industrial Sector	38.10	57	6	0.35	ETF	2022-02-17	7.41	3.03	Broad/Mixed	
35	XCCC	BondBloxx CCC-Rated USD HY ETF	38.99	56	19	0.40	ETF	2022-05-26	12.76	2.66	Broad/Mixed	
36	XBB	BondBloxx BB-Rated USD HY ETF	40.22	56	1	0.20	ETF	2022-05-26	6.52	3.57	Broad/Mixed	
37	THYF	T Rowe Price US High Yield ETF	51.77	50	4	0.56	ETF	2022-10-26	8.31	3.03	Broad/Mixed	
38	HYXU	iShares International High Yield Bond ETF	48.69	48	6	0.40	ETF	2012-04-03	5.91	2.91	Broad/Mixed	
39	IHYF	Invesco High Yield Bond Factor ETF	22.35	43	8	0.39	ETF	2020-12-02	8.22	3.33	Broad/Mixed	

HIGH YIELD FIXED INCOME											Grouped by strategy and sorted by AUM	
105	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
40	HYRM	Xtrackers Risk Managed USD High Yield Strategy	23.23	43	2	0.30	ETF	2022-02-10	7.60	3.06	Broad/Mixed	
41	HYSA	Bondbloxx USD High Yield Sector Rotation	15.02	39	12	0.55	ETF	2023-09-18	7.76	3.15	Broad/Mixed	
42	XHYC	BondBloxx USD HY Bond Consumer Cyclical	37.46	39	14	0.35	ETF	2022-02-17	7.23	2.99	Broad/Mixed	
43	XHYE	BondBloxx USD High Yield Bond Energy Sector ETF	39.14	39	26	0.35	ETF	2022-02-17	7.27	2.90	Broad/Mixed	
44	XHYF	BondBloxx USD HY Bond Financial & REIT Sector	37.20	39	0.1	0.35	ETF	2022-02-17	7.54	3.08	Broad/Mixed	
45	XHYT	BondBloxx USD HY Bond Telecom Media & Tech	34.15	36	5	0.35	ETF	2022-02-17	9.38	3.56	Broad/Mixed	
46	DFHY	Donoghue Forlines Tactical High Yield ETF	21.13	32	4	0.69	ETF	2020-12-08	NA	NA	Broad/Mixed	
47	IHY	VanEck International High Yield Bond ETF	20.69	31	4	0.40	ETF	2012-04-03	6.98	3.23	Broad/Mixed	
48	XHYH	BondBloxx USD High Yield Bond Healthcare Sector	34.29	26	17	0.35	ETF	2022-02-17	8.11	3.36	Broad/Mixed	
49	EVHY	Eaton Vance High Yield ETF	52.86	21	1	0.48	ETF	2023-10-19	6.65	3.27	Broad/Mixed	
50	KHYB	KraneShares Asia Pacific High Income Bond ETF	24.64	15	3	0.68	ETF	2018-06-28	10.38	1.78	Broad/Mixed	
51	XB	BondBloxx B-Rated USD HY ETF	39.61	14	1	0.30	ETF	2022-05-26	8.04	2.93	Broad/Mixed	
52	HYUP	Xtrackers High Beta High Yield Bond ETF	41.16	12	0.4	0.20	ETF	2018-01-11	9.32	3.21	Broad/Mixed	
53	XHYD	BondBloxx USD HY Bond Consumer Non-Cyclicals	37.78	11	0.2	0.35	ETF	2022-02-17	6.85	3.80	Broad/Mixed	
54	HIYS	Invesco High Yield Select ETF	25.52	10	0.1	0.50	ETF	2022-12-09	7.15	3.51	Broad/Mixed	
55	VEHY	Virtus Stone Harbor Emerging Markets High Yield	26.61	9	2	0.58	ETF	2022-12-13	9.32	4.27	Broad/Mixed	
56	HYTR	CP High Yield Trend ETF	21.54	8	4	0.50	ETF	2020-01-22	7.59	3.14	Broad/Mixed	
57	JOJO	ATAC Credit Rotation ETF	14.52	3	1	1.28	ETF	2021-07-16	NA	NA	Broad/Mixed	
58	HYGI	iShares Inflation Hedged High Yield Bond ETF	26.24	3	0.2	0.52	ETF	2022-06-24	7.51	3.11	Broad/Mixed	
59	BSJO	Invesco BulletShares 2024 HY ETF	22.73	691	213	0.43	ETF	2016-09-14	6.97	0.38	Maturity 2024	
60	IBHD	iShares iBonds 2024 Term High Yield and Income	23.32	479	182	0.35	ETF	2019-05-09	6.56	0.49	Maturity 2024	
61	BSJP	Invesco BulletShares 2025 HY ETF	22.95	825	261	0.42	ETF	2017-09-27	7.26	0.98	Maturity 2025	
62	IBHE	iShares iBonds 2025 Term High Yield and Income	23.38	466	174	0.35	ETF	2019-05-09	7.41	0.88	Maturity 2025	
63	BSJQ	Invesco Bulletshares 2026 HY ETF	23.18	481	100	0.42	ETF	2018-08-09	7.67	1.72	Maturity 2026	
64	IBHF	iShares iBonds 2026 Term High Yield and Income	23.06	370	181	0.35	ETF	2020-11-12	7.50	1.51	Maturity 2026	
65	BSJR	Invesco BulletShares 2027 HY ETF	22.25	189	54	0.42	ETF	2019-09-12	7.46	2.37	Maturity 2027	
66	IBHG	iShares iBonds 2027 Term High Yield and Income	22.26	96	26	0.35	ETF	2021-07-09	7.48	2.21	Maturity 2027	
67	BSJS	Invesco BulletShares 2028 HY ETF	21.66	173	56	0.42	ETF	2020-09-16	7.88	2.99	Maturity 2028	
68	IBHH	iShares iBonds 2028 Term High Yield and Income	23.34	69	21	0.35	ETF	2022-03-10	7.54	2.92	Maturity 2028	
69	BSJT	Invesco Bulletshares 2029 HY ETF	21.18	51	32	0.42	ETF	2021-09-15	7.71	3.88	Maturity 2029	
70	IBHI	iShares iBonds 2029 Term High Yield and Income	23.37	35	13	0.35	ETF	2022-03-10	7.55	3.82	Maturity 2029	
71	BSJU	Invesco BulletShares 2030 HY ETF	25.63	46	14	0.42	ETF	2022-09-08	7.42	4.07	Maturity 2030	
72	IBHJ	iShares iBonds 2030 Term High Yield and Income	26.14	17	13	0.35	ETF	2023-06-23	7.19	4.12	Maturity 2030	
73	BSJV	Invesco BulletShares 2031 HY ETF	26.30	24	4	0.42	ETF	2023-09-20	7.19	4.99	Maturity 2031	
74	AHYB	American Century Select High Yield ETF	45.59	34	2	0.45	ETF	2021-10-25	7.25	3.24	Mid Term	
75	HYGH	iShares Interest Rate Hedged High Yield Bond ETF	85.73	227	36	0.52	ETF	2014-05-29	8.51	0.02	Rate Hedged	
76	HYZD	WisdomTree Rate-Hdgd High Yield Bond Fund	22.03	169	84	0.43	ETF	2013-12-18	7.37	0.46	Rate Hedged	
77	HYHG	ProShares High Yield-Interest Rate Hedged ETF	63.92	134	11	0.50	ETF	2013-05-23	7.82	-0.15	Rate Hedged	
78	SHYG	iShares 0-5 Year High Yield Corporate Bond ETF	42.55	5,847	1,187	0.30	ETF	2013-10-17	7.65	2.29	Short Term	
79	SJNK	SPDR Bloomberg Short Term High Yield Bond ETF	25.22	4,583	3,587	0.40	ETF	2012-03-15	8.16	2.20	Short Term	
80	HYS	PIMCO 0-5 Year HY Index Exchange-Traded Fund	93.48	1,346	176	0.55	ETF	2011-06-17	8.00	2.07	Short Term	
81	SHYD	VanEck Short High Yield Muni ETF	22.41	329	96	0.35	ETF	2014-01-09	4.79	3.54	Short Term	
82	SHYL	Xtrackers Short Duration High Yield Bond ETF	44.53	102	10	0.20	ETF	2018-01-10	8.16	2.12	Short Term	
83	FHYL	Federated Hermes Short Duration High Yield ETF	22.92	26	2	0.51	ETF	2021-12-17	7.66	1.30	Short Term	
84	PSH	PGIM Short Duration High Yield ETF	50.70	25	3	0.45	ETF	2023-12-14	7.40	1.40	Short Term	
85	JAAA	Janus Henderson AAA CLO ETF	50.74	7,459	1,404	0.21	ETF	2020-10-16	7.11	0.24	Ultra Short Term	
86	BKLN	Invesco Senior Loan ETF	21.15	7,325	8,982	0.65	ETF	2011-03-03	9.23	0.00	Ultra Short Term	
87	SRLN	SPDR Blackstone Senior Loan ETF	42.11	5,625	2,380	0.70	ETF	2013-04-04	8.84	0.05	Ultra Short Term	
88	FTSL	First Trust Senior Loan ETF	46.21	2,155	318	0.87	ETF	2013-05-02	8.13	0.50	Ultra Short Term	
89	EVLN	Eaton Vance Floating-Rate ETF	50.64	565	510	0.60	ETF	2024-02-08	9.07	0.63	Ultra Short Term	
90	JBBB	Janus Henderson B-BBB CLO ETF	48.89	375	258	0.49	ETF	2022-01-12	9.21	0.13	Ultra Short Term	
91	FLBL	Franklin Senior Loan ETF	24.50	328	143	0.45	ETF	2018-05-30	9.54	0.16	Ultra Short Term	
92	LONZ	PIMCO Senior Loan Active Exchange-Traded Fund	51.15	316	24	0.60	ETF	2022-06-09	8.47	0.02	Ultra Short Term	
93	CLOI	VanEck CLO ETF	52.82	285	28	0.40	ETF	2022-06-23	6.43	NA	Ultra Short Term	
94	CLOZ	Panagram Bbb-B Clo ETF	26.80	240	73	0.51	ETF	2023-01-23	NA	NA	Ultra Short Term	
95	FLRT	Pacer Pacific Asset Floating Rate High Income ETF	47.56	225	52	0.60	ETF	2015-02-18	7.99	0.32	Ultra Short Term	
96	HYBL	SPDR Blackstone High Income ETF	28.38	148	55	0.70	ETF	2022-02-16	7.48	0.04	Ultra Short Term	
97	PAAA	PGIM AAA CLO ETF	50.97	143	37	0.19	ETF	2023-07-19	5.37	0.20	Ultra Short Term	
98	TFLR	T Rowe Price Floating Rate ETF	51.66	137	13	0.61	ETF	2022-11-17	9.28	0.25	Ultra Short Term	
99	SEIX	Virtus Seix Senior Loan ETF	23.96	123	55	0.57	ETF	2019-04-25	9.85	0.10	Ultra Short Term	
100	CLOA	Blackrock AAA CLO ETF	51.73	114	37	0.20	ETF	2023-01-12	6.90	0.09	Ultra Short Term	
101	ICLO	Invesco AAA CLO Floating Rate Note ETF	25.61	65	33	0.27	ETF	2022-12-09	5.86	NA	Ultra Short Term	
102	PFRL	PGIM Floating Rate Income ETF	51.01	59	18	0.72	ETF	2022-05-17	9.95	0.10	Ultra Short Term	
103	CLOX	Panagram AAA CLO ETF	25.51	55	15	0.21	ETF	2023-07-19	NA	NA	Ultra Short Term	

HIGH YIELD FIXED INCOME											Grouped by strategy and sorted by AUM	
105	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	YTM (%)	Duration (yrs)	Strategy	
104	BRLN	Blackrock Floating Rate Loan ETF	52.88	37	11	0.55	ETF	2022-10-06	8.76	0.48	Ultra Short Term	
105	AAA	AXS First Priority CLO Bond ETF	25.03	17	10	0.25	ETF	2020-09-09	NA	0.05	Ultra Short Term	

HYBRID											Grouped by region and sorted by AUM	
28	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Region		
1	FPE	First Trust Preferred Securities and Income ETF	17.32	5,310	1,247	0.84	ETF	2013-02-12	5.78	Global		
2	FPEI	FT Institutional Pref Securities and Income	18.22	1,292	375	0.85	ETF	2017-08-23	5.63	Global		
3	PREF	Principal Spectrum Preferred Securities Active	18.15	851	176	0.55	ETF	2017-07-11	4.58	Global		
4	PRFD	PIMCO Preferred And Capital Securities Active ETF	49.63	90	3	0.69	ETF	2023-01-19	5.40	Global		
5	QPF	American Century Quality Preferred ETF	37.10	88	32	0.33	ETF	2021-02-18	5.90	Global		
6	FCVT	SSI Strategic Convertible Securities ETF	34.09	82	31	0.95	ETF	2015-11-04	1.74	Global		
7	FPPD	Fidelity Preferred Securities & Income ETF	21.58	34	8	0.45	ETF	2021-06-15	4.92	Global		
8	PQDI	Principal Spectrum Tax-Advantaged Div Active ETF	18.66	24	1	0.60	ETF	2020-06-17	5.09	Global		
9	NPFI	Nuveen Preferred And Income ETF	25.51	15	30	0.55	ETF	2024-03-06	NA	Global		
10	IPPP	Preferred-Plus ETF	9.91	11	1	1.27	ETF	2022-03-07	5.27	Global		
11	SPFF	Global X SuperIncome Preferred ETF	9.46	162	43	0.48	ETF	2012-07-17	6.24	Regional		
12	PFF	iShares Preferred and Income Securities ETF	32.23	14,844	4,442	0.47	ETF	2007-03-30	6.29	U.S.		
13	PGX	Invesco Preferred ETF	11.88	4,472	3,153	0.50	ETF	2008-01-31	6.16	U.S.		
14	CWB	SPDR Bloomberg Convertible Securities ETF	73.04	3,690	579	0.40	ETF	2009-04-16	1.95	U.S.		
15	PFFD	Global X US Preferred ETF	20.16	2,403	917	0.23	ETF	2017-09-13	6.29	U.S.		
16	ICVT	iShares Convertible Bond ETF	79.83	1,829	444	0.20	ETF	2015-06-04	1.98	U.S.		
17	VRP	Invesco Variable Rate Preferred ETF	23.77	1,615	278	0.50	ETF	2014-05-01	6.36	U.S.		
18	PFXF	VanEck Preferred Securities ex Financials ETF	17.69	1,607	663	0.40	ETF	2012-07-17	7.64	U.S.		
19	PGF	Invesco Financial Preferred ETF	15.24	937	154	0.57	ETF	2006-12-01	5.99	U.S.		
20	PFFA	Virtus InfraCap U.S. Preferred Stock ETF	20.95	914	275	2.52	ETF	2018-05-15	9.51	U.S.		
21	PSK	SPDR ICE Preferred Securities ETF	34.87	821	88	0.45	ETF	2009-09-17	6.27	U.S.		
22	PFLD	AAM Low Duration Preferred and Income Securities	21.15	259	75	0.46	ETF	2019-11-19	7.25	U.S.		
23	PFFV	Global X Variable Rate Preferred ETF	23.68	246	57	0.25	ETF	2020-06-24	7.11	U.S.		
24	EPRF	Innovator S&P Investment Grade Preferred ETF	19.37	114	19	0.47	ETF	2016-05-24	5.62	U.S.		
25	PFFR	Infracap REIT Preferred ETF	18.69	85	30	0.45	ETF	2017-02-08	7.78	U.S.		
26	QCON	American Century Quality Convertible Securities	42.79	42	9	0.33	ETF	2021-02-18	2.45	U.S.		
27	JHPI	John Hancock Preferred Income ETF	22.47	38	6	0.54	ETF	2021-12-15	6.10	U.S.		
28	CVRT	Calamos Convertible Equity Alternative ETF	27.84	14	7	0.69	ETF	2023-10-04	NA	U.S.		

INVERSE FIXED INCOME											Grouped by region and sorted by AUM	
3	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Region			
1	SJB	ProShares Short High Yield	17.10	105	224	0.95	ETF	2011-03-22	U.S.			
2	TBF	ProShares Short 20+ Year Treasury	23.19	89	198	0.90	ETF	2009-08-20	U.S.			
3	TBX	ProShares Short 7-10 Treasury	29.25	15	22	0.95	ETF	2011-04-04	U.S.			

LEVERAGED INVERSE FIXED INCOME											Grouped by leverage factor and sorted by AUM	
5	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor			
1	TMV	Direxion Daily 20 Year Plus Treasury Bear 3x Shares	33.49	221	1,765	1.01	ETF	2009-04-16	-3.0			
2	TTT	ProShares UltraPro Short 20+ Year Treasury	69.37	41	10	0.95	ETF	2012-03-29	-3.0			
3	TYO	Direxion Daily 7-10 Year Treasury Bear 3x Shares	13.93	14	17	1.09	ETF	2009-04-16	-3.0			
4	TBT	ProShares UltraShort 20+ Year Treasury	32.96	310	608	0.89	ETF	2008-05-01	-2.0			
5	PST	ProShares UltraShort Lehman 7-10 Year Treasury	23.20	22	28	0.95	ETF	2008-05-01	-2.0			

LEVERAGED LONG FIXED INCOME											Grouped by leverage factor and sorted by AUM	
6	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor			
1	UBT	ProShares Ultra 20+ Year Treasury	20.20	84	104	0.95	ETF	2010-01-21	2.0			
2	UST	ProShares Ultra 7-10 Year Treasury	43.17	14	7	0.95	ETF	2010-01-22	2.0			
3	PFFL	ETRACS Monthly Pay 2X Preferred Stock ETN	10.32	10	4	0.85	Note	2018-09-25	2.0			
4	UJB	ProShares Ultra High Yield	68.83	7	20	0.95	ETF	2011-04-14	2.0			
5	TMF	Direxion Daily 20 Year Plus Treasury Bull 3x Shares	54.50	5,020	6,041	1.00	ETF	2009-04-16	3.0			
6	TYD	Direxion Daily 7-10 Year Treasury Bull 3x Shares	26.08	43	36	1.09	ETF	2009-04-16	3.0			

Commodity

COMMODITY									Grouped by commodity and sorted by AUM
74	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Commodity
1	DBA	Invesco DB Agriculture Fund	24.76	789	502	0.91	LP	2007-01-05	Agriculture
2	WEAT	Teucrium Wheat Fund	5.41	158	708	0.28	LP	2011-09-19	Agriculture
3	CORN	Teucrium Corn Fund	20.18	70	87	0.20	LP	2010-06-09	Agriculture
4	SOYB	Teucrium Soybean Fund	25.21	34	59	0.22	LP	2011-09-19	Agriculture
5	PDBA	Invesco Agriculture Commodity Strategy NO K-1	35.74	29	5	0.62	ETF	2022-08-24	Agriculture
6	CANE	Teucrium Sugar Fund	13.49	17	21	0.29	LP	2011-09-19	Agriculture
7	TAGS	Teucrium Agricultural Fund	28.36	15	2	0.13	LP	2012-03-28	Agriculture
8	TILL	Teucrium Agricultural NO K-1 Strategy ETF	21.79	3	2	1.03	ETF	2022-05-17	Agriculture
9	CPER	United States Copper Index Fund	25.12	157	187	0.80	LP	2011-11-15	Base Metals
10	DBB	Invesco DB Base Metals Fund	17.96	118	70	0.77	LP	2007-01-05	Base Metals
11	BCIM	abrdn Bloomberg Industrial Metals ETF	21.43	25	7	0.40	ETF	2021-09-23	Base Metals
12	TMET	iShares Transition-Enabling Metals ETF	25.77	13	0	0.47	ETF	2023-09-28	Base Metals
13	EVMT	Invesco EV Metals Commodity Strategy NO K-1	16.43	8	5	0.59	ETF	2022-04-27	Base Metals
14	KMET	KraneShares Electrification Metals Strategy ETF	13.11	3	3	0.79	ETF	2022-10-13	Base Metals
15	ALUM	USCF Aluminum Strategy Fund	30.36	2	0	0.65	ETF	2023-10-06	Base Metals
16	ZSB	USCF Sustainable Battery Metals Strategy Fund	14.96	1	0.0	0.61	ETF	2023-01-11	Base Metals
17	PDBC	Invesco Optimum Yield Diversified Commodity ETF	13.87	4,759	3,501	0.64	ETF	2014-11-07	Broad Market
18	FTGC	First Trust Global Tactical Commodity	23.72	2,279	492	0.95	ETF	2013-10-23	Broad Market
19	DBC	Invesco DB Commodity Index Tracking Fund	22.97	1,717	1,419	0.87	LP	2006-02-03	Broad Market
20	GSG	iShares S&P GSCI Commodity-Indexed Trust	22.06	1,035	362	0.75	LP	2006-07-21	Broad Market
21	BCI	abrdn Bloomberg All Commodity ETF	19.77	948	234	0.26	ETF	2017-03-27	Broad Market
22	COMT	iShares GSCI Commodity Dynamic Roll Strategy ETF	27.00	649	101	0.48	ETF	2014-10-16	Broad Market
23	DJP	iPath Bloomberg Commodity Index ETN	31.10	484	62	0.70	Note	2006-06-06	Broad Market
24	COM	Direxion Auspice Broad Commodity Strategy ETF	28.30	253	34	0.80	ETF	2017-03-30	Broad Market
25	CMDY	iShares Bloomberg Roll Select Commodity Strategy	47.95	230	23	0.28	ETF	2018-04-05	Broad Market
26	BCD	abrdn Bloomberg All Commodity Longer Dated ETF	31.55	208	51	0.30	ETF	2017-03-27	Broad Market
27	USCI	United States Commodity Index Fund	60.95	168	13	1.11	LP	2010-08-10	Broad Market
28	HGER	Harbor Commodity All Weather Strategy ETF	22.14	133	23	0.68	ETF	2022-02-10	Broad Market
29	GCC	WisdomTree Enhanced Commodity Strategy Fund	18.43	125	35	0.55	LP	2020-12-21	Broad Market
30	COMB	GraniteShares Bloomberg Commodity Broad ETF	19.87	87	19	0.25	ETF	2017-05-22	Broad Market
31	BDRY	Breakwave Dry Bulk Shipping ETF	13.86	63	344	3.50	LP	2018-03-22	Broad Market
32	CCRV	iShares Commodity Curve Carry Strategy ETF	21.25	46	19	0.40	ETF	2020-09-03	Broad Market
33	DJCB	ETRACS Bloomberg Commodity Index ETN Series B	20.36	43	1	0.50	Note	2019-10-25	Broad Market
34	UCIB	ETRACS UBS Bbg Constant Maturity Commodity Indx	25.51	28	3	0.55	Note	2015-10-08	Broad Market
35	DCMT	DoubleLine Commodity Strategy ETF	25.83	25	19	0.65	ETF	2024-01-31	Broad Market
36	PIT	VanEck Commodity Strategy ETF	49.22	25	2	0.55	ETF	2022-12-22	Broad Market
37	RENW	Harbor Energy Transition Strategy ETF	11.91	20	0.1	0.80	ETF	2022-07-14	Broad Market
38	SDCI	USCF SummerHaven Dynamic Commodity	18.93	16	6	0.64	ETF	2018-05-03	Broad Market
39	HCOM	Hartford Schroders Commodity Strategy ETF	14.63	11	1	0.60	ETF	2021-09-15	Broad Market
40	CMCI	Vaneck Cmc Commodity Strategy ETF	25.20	3	0	0.65	ETF	2023-08-23	Broad Market
41	ZSC	USCF Sustainable Commodity Strategy Fund	23.97	2	0	0.59	ETF	2023-08-09	Broad Market
42	USO	United States Oil Fund LP	78.73	1,391	3,590	0.72	LP	2006-04-10	Energy
43	UNG	United States Natural Gas Fund LP	14.57	831	5,819	0.70	LP	2007-04-18	Energy
44	KRBN	KraneShares Global Carbon Strategy ETF	30.76	304	121	0.79	ETF	2020-07-30	Energy
45	KCCA	KraneShares California Carbon	28.65	261	88	0.79	ETF	2021-10-05	Energy
46	DBO	Invesco DB Oil Fund	15.54	252	342	0.76	LP	2007-01-05	Energy
47	OILK	Proshares K-1 Free Crude Oil Strategy ETF	47.74	141	38	0.65	ETF	2016-09-28	Energy
48	BNO	United States Brent Oil Fund LP	31.91	134	428	0.90	LP	2010-06-02	Energy
49	UGA	United States Gasoline Fund LP	70.93	121	25	0.75	LP	2008-02-27	Energy
50	DBE	Invesco DB Energy Fund	20.72	91	15	0.77	LP	2007-01-05	Energy
51	USL	United States 12 Month Oil Fund LP	39.86	64	9	0.79	LP	2007-12-06	Energy
52	GRN	iPath Series B Carbon ETN	24.13	25	6	0.75	Note	2008-06-24	Energy
53	UNL	United States 12 Month Natural Gas Fund LP	7.74	17	39	0.90	LP	2009-11-18	Energy
54	KEUA	KraneShares European Carbon Al	21.25	12	9	0.78	ETF	2021-10-05	Energy
55	AMPD	Cnic Ice US Carbon Neutral Power Index ETF	22.56	5	0.3	0.95	ETF	2023-05-09	Energy
56	BWET	Breakwave Tanker Shipping ETF	18.63	3	18	0.00	LP	2023-05-03	Energy
57	KARB	ETF Series Solutions-Carbon ETF	27.32	1	0.1	0.75	ETF	2022-09-13	Energy
58	GLD	SPDR Gold Shares	205.72	59,082	7,920	0.40	Grantor Trust	2004-11-18	Precious Metals
59	IAU	iShares Gold Trust	42.01	27,555	5,631	0.25	Grantor Trust	2005-01-28	Precious Metals
60	SLV	iShares Silver Trust	22.75	10,403	21,585	0.50	Grantor Trust	2006-04-28	Precious Metals
61	GLDM	SPDR Gold MiniShares Trust	44.05	6,988	2,653	0.10	Grantor Trust	2018-06-26	Precious Metals

COMMODITY										Grouped by commodity and sorted by AUM
74	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Commodity	
62	SGOL	abrdn Physical Gold Shares ETF	21.24	2,940	3,360	0.17	Grantor Trust	2009-09-09	Precious Metals	
63	SIVR	abrdn Physical Silver Shares ETF	23.81	1,095	879	0.30	Grantor Trust	2009-07-24	Precious Metals	
64	IAUM	iShares Gold Trust Micro	22.17	1,094	697	0.09	Grantor Trust	2021-06-29	Precious Metals	
65	BAR	Graniteshares Gold Trust	21.96	1,003	684	0.17	Grantor Trust	2017-08-31	Precious Metals	
66	GLTR	abrdn Physical Precious Metals Basket Shares ETF	95.50	942	25	0.60	Grantor Trust	2010-10-22	Precious Metals	
67	PPLT	abrdn Physical Platinum Shares ETF	83.55	920	150	0.60	Grantor Trust	2010-01-08	Precious Metals	
68	OUNZ	VanEck Merk Gold Shares	21.48	857	1,014	0.25	Grantor Trust	2014-05-16	Precious Metals	
69	AAAU	Goldman Sachs Physical Gold ETF	21.99	635	2,581	0.18	Grantor Trust	2018-08-15	Precious Metals	
70	PALL	abrdn Physical Palladium Shares ETF	93.52	224	61	0.60	Grantor Trust	2010-01-08	Precious Metals	
71	DBP	Invesco DB Precious Metals Fund	53.55	147	6	0.77	LP	2007-01-05	Precious Metals	
72	FGDL	Franklin Responsibly Sourced Gold ETF	29.66	62	5	0.15	Grantor Trust	2022-06-30	Precious Metals	
73	PLTM	GraniteShares Platinum Trust	8.84	36	39	0.50	Grantor Trust	2018-01-22	Precious Metals	
74	IAUF	iShares Gold Strategy ETF	58.37	35	5	0.25	ETF	2018-06-08	Precious Metals	

INVERSE COMMODITY										Sorted by AUM
1	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Commodity	
1	DGZ	DB Gold Short Exchange Traded Notes	9.04	3	5	0.75	Note	2008-02-27	Precious Metals	

LEVERAGED INVERSE COMMODITY										Grouped by leverage factor and sorted by AUM
6	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor	
1	DULL	MicroSectors Gold -3X Inverse Leveraged ETN	14.60	2	1	0.95	Note	2023-02-22	-3.0	
2	SCO	ProShares UltraShort Bloomberg Crude Oil	16.02	194	2,141	0.95	LP	2008-11-25	-2.0	
3	KOLD	ProShares UltraShort Bloomberg Natural Gas	156.70	94	717	0.95	LP	2011-10-06	-2.0	
4	ZSL	ProShares UltraShort Silver	16.71	24	589	0.95	LP	2008-12-03	-2.0	
5	GLL	ProShares UltraShort Gold	23.38	14	95	0.95	LP	2008-12-03	-2.0	
6	DZZ	DB Gold Double Short Exchange Traded Notes	2.25	4	6	0.75	Note	2008-02-27	-2.0	

LEVERAGED LONG COMMODITY										Grouped by leverage factor and sorted by AUM
6	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor	
1	UCO	ProShares Ultra Bloomberg Crude Oil	33.00	597	1,302	0.95	LP	2008-11-25	2.0	
2	BOIL	ProShares Ultra Bloomberg Natural Gas	12.86	539	10,500	0.95	LP	2011-10-06	2.0	
3	AGQ	ProShares Ultra Silver	28.74	398	1,114	0.10	LP	2008-12-04	2.0	
4	UGL	ProShares Ultra Gold	72.26	212	192	0.95	LP	2008-12-03	2.0	
5	DGP	DB Gold Double Long Exchange Traded Notes	49.60	91	12	0.75	Note	2008-02-27	2.0	
6	SHNY	MicroSectors Gold 3X Leveraged ETN	32.20	5	8	0.95	Note	2023-02-22	3.0	

Multi-Asset

ASSET ALLOCATION PORTFOLIO										Grouped by strategy and sorted by AUM
129	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
1	AOR	iShares Core Growth Allocation ETF	55.67	2,041	171	0.33	ETF	2008-11-11	2.46	Balanced
2	NTSX	WisdomTree US Efficient Core F	42.23	1,029	71	0.20	ETF	2018-08-02	1.14	Balanced
3	NTSI	WisdomTree International Efficient Core Fund	37.06	323	16	0.26	ETF	2021-05-20	2.33	Balanced
4	CGBL	Capital Group Core Balanced ETF	29.11	313	131	0.33	ETF	2023-09-28	NA	Balanced
5	GAL	SPDR SSGA Global Allocation ETF	43.21	240	15	0.35	ETF	2012-04-26	2.51	Balanced
6	CLSM	Cabana Target Leading Sector Moderate ETF	20.50	202	47	0.80	ETF	2021-07-13	2.60	Balanced
7	RISN	Inspire Tactical Balanced ETF	26.79	92	11	0.79	ETF	2020-07-16	1.74	Balanced
8	NTSE	WisdomTree Emerging Markets Efficient Core Fund	28.29	55	10	0.32	ETF	2021-05-20	2.46	Balanced
9	AVMA	Avantis Moderate Allocation ETF	56.87	9	1	0.21	ETF	2023-06-29	NA	Balanced
10	KNOW	Fundamentals First ETF	10.54	2	4	0.01	ETF	2024-02-22	NA	Balanced
11	AOM	iShares Core Moderate Allocation ETF	42.78	1,386	99	0.34	ETF	2008-11-11	2.81	Conservative
12	AOK	iShares Core Conservative Allocation ETF	36.83	615	74	0.34	ETF	2008-11-10	2.99	Conservative
13	TBFC	The Brinsmere Fund - Conservative ETF	25.92	282	4	0.41	ETF	2024-01-12	NA	Conservative
14	XRLX	FundX Conservative ETF	40.27	57	1	1.63	ETF	2023-10-06	NA	Conservative
15	MFUL	Mindful Conservative ETF	21.37	55	8	1.10	ETF	2021-11-03	4.92	Conservative
16	IRTR	iShares LifePath Retirement ETF	27.67	3	2	0.08	ETF	2023-10-19	NA	Conservative
17	BITS	Global X Blockchain & Bitcoin Strategy ETF	73.51	28	17	0.65	ETF	2021-11-15	NA	Crypto
18	SPBC	Simplify US Equity PLUS GBTC ETF	33.82	19	17	0.50	ETF	2021-05-24	0.90	Crypto
19	SATO	Invesco Alerian Galaxy Crypto Economy ETF	14.96	10	26	0.60	ETF	2021-10-07	2.86	Crypto
20	ARKD	ARK 21Shares Blockchain and Digital Economy	47.10	5	5	0.90	ETF	2023-11-15	NA	Crypto
21	BTRN	Global X Bitcoin Trend Strategy ETF	35.28	3	NA	0.95	ETF	2024-03-21	NA	Crypto
22	ZZZ	Cyber Hornet S&P 500 and Bitcoin 75/25 Strategy	24.99	1	1	0.95	ETF	2023-12-27	NA	Crypto
23	EAOR	iShares ESG Aware Aggressive Allocation ETF	34.08	28	2	0.18	ETF	2020-06-18	2.07	ESG
24	EAOR	iShares ESG Aware Growth Allocation ETF	30.39	19	1	0.18	ETF	2020-06-18	2.36	ESG
25	EAOK	iShares ESG Aware Conservative Allocation ETF	25.26	8	0.3	0.18	ETF	2020-06-18	2.89	ESG
26	EAOM	iShares ESG Aware Moderate Allocation ETF	27.00	6	1	0.18	ETF	2020-06-18	2.73	ESG
27	IRBA	IM Rba Responsible Global Allocation ETF	9.64	2	63	0.69	ETF	2022-02-01	2.32	ESG
28	AOA	iShares Core Aggressive Allocation ETF	73.46	1,880	83	0.33	ETF	2008-11-11	2.14	Growth
29	TBFG	The Brinsmere Fund - Growth ETF	26.73	277	0	0.42	ETF	2024-01-12	NA	Growth
30	TUG	STF Tactical Growth ETF	31.80	186	20	0.65	ETF	2022-05-17	0.67	Growth
31	QPX	Advisorshares Q Dynamic Growth ETF	32.76	25	3	1.51	ETF	2020-12-28	-	Growth
32	HNDL	Strategy Shares Nasdaq 7 HANDL ETF	21.21	867	113	0.98	ETF	2018-01-12	6.74	Other
33	OCIO	Clearshares Ocio ETF	32.01	134	1	0.67	ETF	2017-06-27	2.25	Other
34	TRTY	Cambria Trinity ETF	25.96	113	15	0.66	ETF	2018-09-12	3.64	Other
35	GAA	Cambria Global Asset Allocation ETF	28.94	52	5	0.25	ETF	2014-12-10	3.65	Other
36	LFEQ	VanEck Long/Flat Trend ETF	44.29	27	2	0.68	ETF	2017-10-04	1.43	Other
37	PWS	Pacer WealthShield ETF	29.52	22	2	0.60	ETF	2017-12-12	1.62	Other
38	GDE	Wisdomtree Efficient Gold Plus Equity	31.56	19	6	0.20	ETF	2022-03-17	0.53	Other
39	ASET	Flexshares Real Assets Allocation Index Fund	31.11	11	11	0.49	ETF	2015-11-24	1.83	Other
40	BFIX	Build Bond Innovation ETF	23.28	9	1	0.45	ETF	2022-02-10	4.28	Other
41	GDMN	Wisdomtree Efficient Gold Plus Gold Miners	25.66	8	3	0.45	ETF	2021-12-16	1.21	Other
42	GOLY	Strategy Shares Gold-Hedged Bond ETF	21.60	3	16	0.79	ETF	2021-05-18	2.95	Other
43	CETF	DriveWealth NYSE 100 Index ETF	26.92	1	0.0	0.85	ETF	2023-04-25	-	Other
44	RLY	SPDR SSGA Multi-Asset Real Return ETF	27.95	542	110	0.50	ETF	2012-04-26	3.34	Real Return
45	RAAX	VanEck Inflation Allocation ETF	27.10	82	26	0.77	ETF	2018-04-09	3.44	Real Return
46	PPI	AXS Astoria Inflation Sensitive ETF	31.83	63	6	0.75	ETF	2021-12-30	1.93	Real Return
47	IWIN	Amplify Inflation Fighter ETF	28.26	8	2	0.87	ETF	2022-02-01	3.95	Real Return
48	DRSK	Aptus Defined Risk ETF	26.66	450	98	0.69	ETF	2018-08-08	3.50	Risk Managed
49	TDSC	Cabana Target Drawdown 10 ETF	24.26	264	46	0.54	ETF	2020-05-05	2.29	Risk Managed
50	MRSK	Toews Agility Shares Managed Risk ETF	30.90	135	11	0.96	ETF	2020-06-25	0.57	Risk Managed
51	TDSB	Cabana Target Beta ETF	22.10	122	23	0.83	ETF	2020-05-05	3.58	Risk Managed
52	PHDG	Invesco S&P 500 Downside Hedge ETF	36.78	118	15	0.39	ETF	2012-12-06	1.74	Risk Managed
53	ONOF	Global X Adaptive US Risk Management ETF	32.75	116	6	0.39	ETF	2021-01-13	1.25	Risk Managed
54	RPHS	Regents Park S&P 500 Hedged ETF	9.72	59	33	0.75	ETF	2022-03-31	4.83	Risk Managed
55	MSMR	McElhenny Sheffield Managed Risk ETF	27.85	49	7	0.97	ETF	2021-11-17	0.44	Risk Managed
56	BSR	Beacon Selective Risk ETF	27.64	29	0.2	1.10	ETF	2023-04-18	1.02	Risk Managed
57	VWI	Arch Indices VOI Absolute Income ETF	27.01	2	1	0.50	ETF	2023-10-04	NA	Risk Managed
58	QQH	HCM Defender 100 Index ETF	54.90	428	30	1.02	ETF	2019-10-10	0.25	Tactical
59	LGH	HCM Defender 500 Index ETF	46.54	360	25	1.14	ETF	2019-10-10	0.56	Tactical
60	HCMT	Direxion HCM Tactical Enhanced US ETF	30.94	287	58	1.17	ETF	2023-06-22	NA	Tactical
61	AGOX	Adaptive Alpha Opportunities ETF	25.63	256	38	1.55	ETF	2021-05-10	0.26	Tactical

ASSET ALLOCATION PORTFOLIO										Grouped by strategy and sorted by AUM
129	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
62	TACK	Fairlead Tactical Sector Fund	26.44	218	20	0.70	ETF	2022-03-23	1.35	Tactical
63	IGTR	Innovator Gradient Tactical Rotation Strategy ETF	27.97	191	15	0.80	ETF	2022-11-16	0.77	Tactical
64	LSAT	LeaderShares AlphaFactor Tactical Focused ETF	38.80	151	9	0.99	ETF	2020-10-27	1.67	Tactical
65	GMOM	Cambria Global Momentum ETF	29.11	145	11	0.59	ETF	2014-11-04	3.16	Tactical
66	MSTB	LHA Market State Tactical Beta ETF	31.64	132	11	1.21	ETF	2020-09-30	0.15	Tactical
67	MPRO	Monarch Procap ETF	27.74	120	20	1.35	ETF	2021-03-24	1.45	Tactical
68	DALI	First Trust VI-First Trust DWA DALI 1 ETF	24.12	118	21	0.92	ETF	2018-05-15	2.87	Tactical
69	QVOY	Q3 All-Season Active Rotation ETF	29.40	87	13	1.09	ETF	2022-12-07	5.76	Tactical
70	LCR	Leuthold Core ETF	33.74	86	20	0.86	ETF	2020-01-06	1.54	Tactical
71	LEXI	Alexis Practical Tactical ETF	28.55	82	1	1.03	ETF	2021-06-30	1.25	Tactical
72	MAMB	Monarch Ambassador Income ETF	22.15	71	12	1.56	ETF	2021-03-24	1.80	Tactical
73	DYTA	SGI Diversified Tactical Fund/The	29.12	60	67	0.85	ETF	2023-03-30	0.84	Tactical
74	MVFG	Monarch Volume Factor Global Unconstrained Index	25.85	43	89	1.25	ETF	2024-03-06	NA	Tactical
75	RULE	Adaptive Core ETF	22.01	42	5	1.10	ETF	2021-11-03	1.88	Tactical
76	DSCF	Discipline Fund ETF	22.56	40	8	0.39	ETF	2021-09-21	2.61	Tactical
77	ROMO	Strategy Shares Newfound/ReSolve Momentum	28.91	38	3	0.87	ETF	2019-11-04	2.23	Tactical
78	BAMA	Brookstone Active ETF	28.70	36	8	1.15	ETF	2023-09-27	NA	Tactical
79	GHTA	Goose Hollow Tactical Allocation ETF	27.38	35	2	1.21	ETF	2021-11-17	0.64	Tactical
80	BAMO	Brookstone Opportunities ETF	28.40	34	8	0.95	ETF	2023-09-27	NA	Tactical
81	PBL	PGIM Portfolio Ballast ETF	27.55	29	1	0.45	ETF	2022-12-14	7.41	Tactical
82	FIG	Simplify Macro Strategy ETF	22.80	27	3	0.75	ETF	2022-05-17	3.95	Tactical
83	BTR	Beacon Tactical Risk ETF	24.69	26	0.2	1.10	ETF	2023-04-18	0.86	Tactical
84	FDAT	Tactical Advantage ETF	22.16	26	1	0.74	ETF	2023-04-13	1.50	Tactical
85	WLTG	WealthTrust DBS Long Term Growth ETF	25.89	25	3	0.67	ETF	2021-12-07	0.64	Tactical
86	HIDE	Alpha Architect High Inflation And Deflation ETF	23.13	21	13	0.29	ETF	2022-11-17	3.92	Tactical
87	GGM	GGM Macro Alignment ETF	27.42	19	1	0.88	ETF	2023-09-26	NA	Tactical
88	BDGS	Bridges Capital Tactical ETF	27.51	19	1	0.78	ETF	2023-05-10	NA	Tactical
89	MOOD	Relative Sentiment Tactical Allocation ETF	28.11	15	1	0.71	ETF	2022-05-19	1.28	Tactical
90	MSTQ	ETF Series Solutions-LHA Market State Tactical Q	30.62	15	3	1.10	ETF	2022-03-15	0.71	Tactical
91	RHRX	RH Tactical Rotation ETF	14.56	13	9	1.44	ETF	2021-10-25	-	Tactical
92	RORO	ATAC US Rotation ETF	18.33	12	3	1.14	ETF	2020-11-18	1.91	Tactical
93	MKAM	MKAM ETF	27.81	6	1	0.94	ETF	2023-04-12	2.62	Tactical
94	MAPP	Harbor Multi-Asset Explorer ETF	21.77	4	0	0.70	ETF	2023-09-13	NA	Tactical
95	DWAT	Arrow DWA Tactical ETF	10.92	2	0.2	1.69	ETF	2014-10-01	0.50	Tactical
96	ITDC	iShares LifePath Target Date 2035 ETF	28.61	9	5	0.10	ETF	2023-10-19	NA	Target Date
97	ITDB	iShares LifePath Target Date 2030 ETF	28.33	7	4	0.09	ETF	2023-10-19	NA	Target Date
98	ITDF	iShares LifePath Target Date 2050 ETF	29.41	6	6	0.11	ETF	2023-10-19	NA	Target Date
99	ITDE	iShares LifePath Target Date 2045 ETF	29.21	6	4	0.11	ETF	2023-10-19	NA	Target Date
100	ITDD	iShares LifePath Target Date 2040 ETF	28.91	6	3	0.11	ETF	2023-10-19	NA	Target Date
101	ITDG	iShares LifePath Target Date 2055 ETF	29.46	4	3	0.11	ETF	2023-10-19	NA	Target Date
102	ITDI	iShares LifePath Target Date 2065 ETF	29.46	4	2	0.11	ETF	2023-10-19	NA	Target Date
103	ITDH	iShares LifePath Target Date 2060 ETF	29.46	3	2	0.11	ETF	2023-10-19	NA	Target Date
104	ITDA	iShares LifePath Target Date 2025 ETF	27.86	3	3	0.09	ETF	2023-10-19	NA	Target Date
105	PCEF	Invesco CEF Income Composite ETF	18.85	756	127	3.08	ETF	2010-02-19	9.39	Yield Focus
106	YYY	Amplify High Income ETF	12.06	455	205	4.60	ETF	2012-06-12	12.06	Yield Focus
107	MDIV	First Trust Multi-Asset Diversified Income	15.79	434	107	0.68	ETF	2012-08-14	6.06	Yield Focus
108	QDPL	Pacer Metaurus US Large Cap Target Div 400 ETF	35.80	315	82	0.60	ETF	2021-07-13	5.82	Yield Focus
109	CEFS	Saba Closed-End Funds ETF	20.67	182	38	2.49	ETF	2017-03-21	8.61	Yield Focus
110	INCM	Franklin Income Focus ETF	26.08	177	48	0.38	ETF	2023-06-08	NA	Yield Focus
111	YLD	Principal Active High Yield ETF	19.16	170	34	0.39	ETF	2015-07-09	6.60	Yield Focus
112	IYLD	iShares Morningstar Multi-Asset Income ETF	19.93	118	13	0.60	ETF	2012-04-05	5.98	Yield Focus
113	CVY	Invesco Zacks Multi-Asset Income ETF	25.72	116	13	0.89	ETF	2006-09-21	3.94	Yield Focus
114	INKM	SPDR SSGA Income Allocation ETF	31.21	74	9	0.50	ETF	2012-04-26	4.60	Yield Focus
115	HIPS	GraniteShares HIPS US High Income ETF	12.86	70	23	1.99	ETF	2015-01-07	10.21	Yield Focus
116	MVFD	Monarch Volume Factor Dividend Tree Index ETF	25.91	35	79	1.25	ETF	2024-03-06	NA	Yield Focus
117	ALTY	Global X Alternative Income ETF	11.53	35	14	0.50	ETF	2015-07-14	7.19	Yield Focus
118	TWIO	Trajan Wealth Income Opportunities ETF	8.97	34	8	0.85	ETF	2021-04-01	4.89	Yield Focus
119	HISF	First Trust High Income Strategic Focus ETF	44.23	33	2	0.87	ETF	2014-08-14	4.47	Yield Focus
120	BAMY	Brookstone Yield ETF	27.06	33	7	0.95	ETF	2023-09-27	NA	Yield Focus
121	THY	Toews Agility Shares Dynamic Tactical Income ETF	22.48	31	10	1.16	ETF	2020-06-25	4.38	Yield Focus
122	FCEF	First Trust VIII First Trust Income Opportunities	20.72	31	8	3.29	ETF	2016-09-28	6.96	Yield Focus
123	GYLD	Arrow Dow Jones Global Yield ETF	13.20	22	3	0.75	ETF	2012-05-08	7.96	Yield Focus
124	CEFD	ETRACS Monthly Pay 1.5X Leveraged Closed-End	19.92	20	3	0.95	Note	2020-06-03	13.38	Yield Focus
125	AMAX	Adaptive Hedged Multi-Asset Income ETF	8.07	19	20	0.96	ETF	2021-10-25	6.19	Yield Focus

ASSET ALLOCATION PORTFOLIO										Grouped by strategy and sorted by AUM
129	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
126	HYIN	WisdomTree Alternative Income Fund	18.77	16	6	4.29	ETF	2021-05-06	12.22	Yield Focus
127	CECF	Calamos CEF Income & Arbitrage ETF	26.63	7	7	2.74	ETF	2024-01-16	NA	Yield Focus
128	MPAY	Akros Monthly Payout ETF	24.45	2	1	0.50	ETF	2022-05-06	6.47	Yield Focus
129	INC	VanEck Dynamic High Income ETF	27.18	1	0.4	0.43	ETF	2022-11-03	5.35	Yield Focus

OPTION STRATEGIES										Grouped by strategy and sorted by AUM
362	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
1	XDSQ	Innovator US Equity Accelerated ETF - Quarterly	31.26	58	7	0.79	ETF	2021-04-01	-	Accelerator
2	XDQQ	Innovator Growth-100 Accelerated ETF-Quarterly	28.41	31	4	0.79	ETF	2021-04-01	-	Accelerator
3	QTJA	Innovator Growth Accelerated Plus ETF - January	22.48	28	7	0.79	ETF	2022-01-03	-	Accelerator
4	XTJA	Innovator US Equity Accelerated Plus ETF - January	25.68	21	8	0.79	ETF	2022-01-03	-	Accelerator
5	XUSP	Innovator Uncapped Accelerated US Equity ETF	35.21	19	2	0.79	ETF	2022-08-02	-	Accelerator
6	XTOC	Innovator US Equity Accelerated Plus ETF-October	27.72	19	3	0.79	ETF	2021-09-30	-	Accelerator
7	QTJL	Innovator Growth Accelerated Plus ETF - July	29.38	13	5	0.79	ETF	2021-06-30	-	Accelerator
8	QTOC	Innovator Growth Accelerated Plus ETF-October	26.68	13	5	0.79	ETF	2021-10-01	-	Accelerator
9	XTJL	Innovator U.S. Equity Accelerated Plus ETF - July	30.82	10	5	0.79	ETF	2021-06-30	-	Accelerator
10	QTAP	Innovator Growth Accelerated Plus ETF - April	32.62	10	7	0.79	ETF	2021-04-01	-	Accelerator
11	XDJA	Innovator US Equity Accelerated ETF - January	26.24	7	2	0.79	ETF	2022-01-03	-	Accelerator
12	XDOC	Innovator US Equity Accelerated ETF-October	28.50	7	5	0.79	ETF	2021-09-30	-	Accelerator
13	XDJL	Innovator U.S. Equity Accelerated ETF - July	31.62	6	3	0.79	ETF	2021-06-30	-	Accelerator
14	XDAP	Innovator US Equity Accelerated ETF - April	31.53	6	3	0.79	ETF	2021-04-01	-	Accelerator
15	XTAP	Innovator US Equity Accelerated Plus ETF-April	30.95	6	2	0.79	ETF	2021-04-01	-	Accelerator
16	NUSI	Nationwide Nasdaq-100 Risk-Managed Income ETF	23.61	390	47	0.68	ETF	2019-12-20	7.17	Collar Strategy
17	HEQT	Simplify Hedged Equity ETF	26.49	330	189	0.53	ETF	2021-11-02	4.00	Collar Strategy
18	SFLR	Innovator Equity Managed Floor ETF	30.01	170	92	0.89	ETF	2022-11-01	1.02	Collar Strategy
19	QFLR	Innovator Nasdaq-100 Managed Floor ETF	26.07	70	72	0.89	ETF	2024-01-24	NA	Collar Strategy
20	XRMI	Global X S&P 500 Risk Managed Income ETF	19.30	33	11	0.60	ETF	2021-08-26	12.12	Collar Strategy
21	FLJJ	AllianzIM US Equity 6 Month Floor5 Jan/Jul ETF	26.15	24	54	0.74	ETF	2024-01-31	NA	Collar Strategy
22	TFJL	Innovator 20+ Year Treasury Bond 5 Floor ETF - July	20.39	14	2	0.79	ETF	2020-08-18	-	Collar Strategy
23	QRMI	Global X Nasdaq 100 Risk Managed Income ETF	17.45	13	7	0.61	ETF	2021-08-26	12.12	Collar Strategy
24	XCLR	Global X S&P 500 Collar 95-110 ETF	29.70	3	1	0.25	ETF	2021-08-26	1.28	Collar Strategy
25	QCLR	Global X Nasdaq 100 Collar 95-110 ETF	28.30	3	0.1	0.26	ETF	2021-08-26	0.44	Collar Strategy
26	BGLD	FT Vest Gold Strategy Quarterly Buffer ETF	19.71	23	10	0.90	ETF	2021-01-21	9.93	Commodity Buffer
27	SPD	Simplify US Equity PLUS Downside Convexity ETF	31.09	96	33	0.28	ETF	2020-09-04	1.83	Convexity
28	SPYC	Simplify US Equity PLUS Convexity ETF	35.03	66	9	0.28	ETF	2020-09-04	1.46	Convexity
29	SPUC	Simplify US Equity PLUS Upside Convexity ETF	39.14	6	3	0.28	ETF	2020-09-04	1.38	Convexity
30	VCAR	Simplify Volt Robocar Disruption ETF	10.43	5	3	0.95	ETF	2020-12-29	-	Convexity
31	JEPI	JPMorgan Equity Premium Income ETF	57.86	33,865	3,360	0.35	ETF	2020-05-21	7.47	Covered Call
32	JEPQ	JPMorgan Nasdaq Equity Premium Income ETF	54.24	12,017	2,601	0.35	ETF	2022-05-04	9.02	Covered Call
33	QYLD	Global X Nasdaq 100 Covered Call ETF	17.91	8,131	3,669	0.61	ETF	2013-12-12	11.57	Covered Call
34	DIVO	Amplify CWP Enhanced Dividend	38.88	3,162	290	0.56	ETF	2016-12-14	4.52	Covered Call
35	XYLD	Global X S&P 500 Covered Call ETF	40.79	2,859	392	0.60	ETF	2013-06-24	9.50	Covered Call
36	KNG	FT Vest S&P 500 Div Aristocrats Target Income ETF	53.71	2,589	336	0.75	ETF	2018-03-26	10.54	Covered Call
37	RYLD	Global X Russell 2000 Covered Call ETF	16.91	1,418	649	0.60	ETF	2019-04-22	12.18	Covered Call
38	TLTW	iShares 20+ Year Treasury Bond BuyWrite Strategy	26.70	918	443	0.35	ETF	2022-08-22	18.18	Covered Call
39	RDVI	FT Vest Rising Div Achievers Target Income ETF	24.48	913	310	0.75	ETF	2022-10-20	8.13	Covered Call
40	FTHI	First Trust BuyWrite Income ETF	22.47	547	172	0.75	ETF	2014-01-07	8.34	Covered Call
41	SIXH	ETC 6 Meridian Hedged Equity Index Option ETF	35.54	395	10	1.01	ETF	2020-05-11	1.77	Covered Call
42	USOI	X-Links Crude Oil Shares Covered Call ETN	77.15	352	41	0.85	Note	2017-04-25	19.42	Covered Call
43	JUCY	Aptus Enhanced Yield ETF	23.38	313	77	0.59	ETF	2022-11-01	8.58	Covered Call
44	FTQI	First Trust Nasdaq BuyWrite Income ETF	20.54	258	120	0.75	ETF	2014-01-07	11.44	Covered Call
45	LQDW	iShares I.G. Corporate Bond Buywrite Strategy ETF	29.30	173	51	0.34	ETF	2022-08-22	18.14	Covered Call
46	KLIP	Kraneshares China Internet And Covered Call	14.55	164	283	0.95	ETF	2023-01-12	60.89	Covered Call
47	FEPI	REX FANG & Innovation Equity Premium Income ETF	55.53	161	117	0.65	ETF	2023-10-11	NA	Covered Call
48	DUBS	Aptus Large Cap Enhanced Yield ETF	29.25	143	17	0.39	ETF	2023-06-14	NA	Covered Call
49	QYLG	Global X Nasdaq 100 Covered Call & Growth ETF	30.64	115	19	0.60	ETF	2020-09-21	5.47	Covered Call
50	IDVO	Amplify Intl Enhanced Dividend Income ETF	30.52	104	21	0.66	ETF	2022-09-08	5.54	Covered Call
51	SLVO	Credit Suisse X-Links Silver Shares Covered Call	75.15	103	10	0.65	Note	2013-04-16	12.11	Covered Call
52	PBP	Invesco S&P 500 BuyWrite ETF	22.48	92	13	0.29	ETF	2007-12-20	9.30	Covered Call
53	IGLD	FT Vest Gold Strategy Target Income ETF	19.69	90	20	0.85	ETF	2021-03-03	8.01	Covered Call
54	DJIA	Global X Dow 30 Covered Call ETF	22.79	84	30	0.60	ETF	2022-02-24	6.07	Covered Call
55	YMAX	YieldMax Universe Fund of Option Income ETFs	21.68	82	252	1.28	ETF	2024-01-17	NA	Covered Call
56	CVRD	Madison Covered Call ETF	19.94	78	6	0.90	ETF	2023-08-22	NA	Covered Call

OPTION STRATEGIES										Grouped by strategy and sorted by AUM
362	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
57	SDVD	FT Vest SMID Rising Div Achievers Target Income	22.01	77	84	0.85	ETF	2023-08-10	NA	Covered Call
58	GPIX	Goldman Sachs S&P 500 Core Premium Income ETF	47.01	73	36	0.29	ETF	2023-10-26	NA	Covered Call
59	OARK	YieldMax Innovation Option Income Strategy ETF	13.38	73	119	0.99	ETF	2022-11-23	40.02	Covered Call
60	XYLG	Global X S&P 500 Covered Call & Growth ETF	30.33	71	10	0.60	ETF	2020-09-21	4.41	Covered Call
61	GLDI	Credit Suisse X-Links Gold Shares Covered Call ETN	149.50	70	3	0.65	Note	2013-01-28	8.39	Covered Call
62	ISPY	ProShares S&P 500 High Income ETF	42.80	69	34	0.55	ETF	2023-12-18	NA	Covered Call
63	HYGW	iShares HY Buywrite Strategy ETF	33.59	65	29	0.69	ETF	2022-08-22	14.33	Covered Call
64	FIAX	Nicholas Fixed Income Alternative ETF	19.38	62	26	1.04	ETF	2022-11-30	6.07	Covered Call
65	VEGA	AdvisorShares STAR Global Buy-Write ETF	41.21	59	3	1.50	ETF	2012-09-18	1.07	Covered Call
66	SRHR	SRH REIT Covered Call ETF	58.60	53	0	0.75	ETF	2023-11-01	NA	Covered Call
67	GPIQ	Goldman Sachs Nasdaq-100 Core Premium Income	46.56	45	23	0.29	ETF	2023-10-26	NA	Covered Call
68	PAPI	Parametric Equity Premium Income ETF	27.08	37	22	0.29	ETF	2023-10-19	NA	Covered Call
69	ULTY	YieldMax Ultra Option Income Strategy ETF	18.49	36	193	1.14	ETF	2024-02-28	NA	Covered Call
70	YMAG	YieldMax Magnificent 7 Fund of Option Income ETF	20.46	31	103	0.01	ETF	2024-01-29	NA	Covered Call
71	DOGG	FT Vest DJIA Dogs 10 Target Income ETF	21.20	30	18	0.75	ETF	2023-04-26	8.37	Covered Call
72	BALI	BlackRock Advantage Large Cap Income ETF	28.89	26	12	0.35	ETF	2023-09-28	NA	Covered Call
73	TDVI	FT Vest Technology Dividend Target Income ETF	22.63	21	22	0.75	ETF	2023-08-10	NA	Covered Call
74	IVVW	iShares S&P 500 BuyWrite ETF	50.66	17	NA	0.25	ETF	2024-03-15	NA	Covered Call
75	IWMW	iShares Russell 2000 BuyWrite ETF	50.71	16	NA	0.39	ETF	2024-03-15	NA	Covered Call
76	IQQQ	ProShares Nasdaq-100 High Income ETF	40.71	13	NA	0.55	ETF	2024-03-18	NA	Covered Call
77	TYLG	Global X Information Tech Covered Call & Growth	31.96	8	5	0.60	ETF	2022-11-22	11.81	Covered Call
78	QDTE	Roundhill N-100 Odte Covered Call Strategy Etf	45.92	8	12	0.95	ETF	2024-03-06	NA	Covered Call
79	RYLG	Global X Russell 2000 Covered Call & Growth ETF	25.94	8	3	0.60	ETF	2022-10-05	6.07	Covered Call
80	XDTE	Roundhill S&P 500 ODTE Covered Call Strategy ETF	53.01	6	6	0.95	ETF	2024-03-06	NA	Covered Call
81	USG	USCF Gold Strategy Plus Income ETF	26.34	3	1	0.45	ETF	2021-11-03	7.72	Covered Call
82	HCOW	Amplify Cash Flow High Income ETF	27.45	3	1	0.65	ETF	2023-09-20	NA	Covered Call
83	HYLG	Global X Health Care Covered Call & Growth ETF	25.90	3	0.3	0.60	ETF	2022-11-22	6.97	Covered Call
84	DYLG	Global X Dow 30 Covered Call & Growth ETF	27.83	3	0.0	0.60	ETF	2023-07-26	NA	Covered Call
85	FYLG	Global X Financials Covered Call & Growth ETF	26.46	3	2	0.60	ETF	2022-11-22	4.69	Covered Call
86	QYLE	Global X Nasdaq 100 ESG Covered Call ETF	26.95	2	0.4	0.61	ETF	2023-02-22	12.40	Covered Call
87	EMCC	Global X MSCI Emerging Markets Covered Call ETF	24.63	2	0	0.60	ETF	2023-11-08	NA	Covered Call
88	XYLE	Global X S&P 500 ESG Covered Call ETF	26.09	1	0.3	0.60	ETF	2023-02-22	6.70	Covered Call
89	FDND	FT Vest Dow Jones Internet & Target Income ETF	20.32	1	NA	0.75	ETF	2024-03-21	NA	Covered Call
90	APRJ	Innovator Premium Income 30 Barrier ETF - April	24.53	39	4	0.79	ETF	2023-04-03	6.54	Equity Barrier
91	JULJ	Innovator Premium Income 30 Barrier ETF-July	24.90	26	2	0.79	ETF	2023-06-30	NA	Equity Barrier
92	APRH	Innovator Premium Income 20 Barrier ETF - April	24.53	25	6	0.79	ETF	2023-04-03	7.95	Equity Barrier
93	JULH	Innovator Premium Income 20 Barrier ETF-July	24.94	24	2	0.79	ETF	2023-06-30	NA	Equity Barrier
94	JANJ	Innovator Premium Income 30 Barrier ETF - Jan	24.71	23	9	0.79	ETF	2023-12-29	NA	Equity Barrier
95	OCTJ	Innovator Premium Income 30 Barrier ETF - Oct	24.05	23	1	0.79	ETF	2023-10-02	NA	Equity Barrier
96	APRQ	Innovator Premium Income 40 Barrier ETF - April	24.51	23	2	0.79	ETF	2023-04-03	5.51	Equity Barrier
97	OCTH	Innovator Premium Income 20 Barrier ETF - Oct	24.16	19	3	0.79	ETF	2023-10-02	NA	Equity Barrier
98	LOCT	Innovator Premium Income 15 Buffer ETF-October	23.98	19	3	0.79	ETF	2023-10-02	NA	Equity Barrier
99	JANQ	Innovator Premium Income 40 Barrier ETF - Jan	24.59	14	3	0.79	ETF	2024-01-02	NA	Equity Barrier
100	HOCT	Innovator Premium Income 9 Buffer ETF-October	24.08	14	2	0.79	ETF	2023-10-02	NA	Equity Barrier
101	OCTQ	Innovator Premium Income 40 Barrier ETF - Oct	23.96	12	3	0.79	ETF	2023-10-02	NA	Equity Barrier
102	JANH	Innovator Premium Income 20 Barrier ETF - Jan	24.81	9	5	0.79	ETF	2024-01-02	NA	Equity Barrier
103	JULQ	Innovator Premium Income 40 Barrier ETF-July	24.86	9	0.5	0.79	ETF	2023-06-30	NA	Equity Barrier
104	APRD	Innovator Premium Income 10 Barrier ETF - April	24.53	8	1	0.79	ETF	2023-04-03	9.36	Equity Barrier
105	JAND	Innovator Premium Income 10 Barrier ETF - Jan	24.93	5	2	0.79	ETF	2023-12-29	NA	Equity Barrier
106	OCTD	Innovator Premium Income 10 Barrier ETF - Oct	24.28	5	1	0.79	ETF	2023-10-02	NA	Equity Barrier
107	JULD	Innovator Premium Income 10 Barrier ETF-July	24.99	4	3	0.79	ETF	2023-06-30	NA	Equity Barrier
108	BUFR	FT Vest Fund of Buffer ETFs	27.96	3,738	940	1.05	ETF	2020-08-11	-	Equity Buffer
109	PJAN	Innovator U.S. Equity Power Buffer ETF - January	39.11	1,210	88	0.79	ETF	2019-01-02	-	Equity Buffer
110	PDEC	Innovator U.S. Equity Power Buffer ETF - Dec	36.60	847	39	0.79	ETF	2019-12-02	-	Equity Buffer
111	PFEB	Innovator U.S. Equity Power Buffer ETF - February	34.16	841	267	0.79	ETF	2020-02-03	-	Equity Buffer
112	PAUG	Innovator U.S. Equity Power Buffer ETF - August	35.38	831	130	0.79	ETF	2019-08-01	-	Equity Buffer
113	PJUL	Innovator U.S. Equity Power Buffer ETF - July	37.98	828	50	0.79	ETF	2018-08-08	-	Equity Buffer
114	BUFD	FT Vest Fund of Deep Buffer ETFs	23.59	810	172	1.05	ETF	2021-01-21	-	Equity Buffer
115	PNOV	Innovator U.S. Equity Power Buffer ETF - Nov	35.55	788	41	0.79	ETF	2019-11-01	-	Equity Buffer
116	FFEB	FT Vest US Equity Buffer ETF - February	45.27	774	114	0.85	ETF	2020-02-24	-	Equity Buffer
117	FJUL	FT Vest US Equity Buffer ETF-July	44.45	751	200	0.85	ETF	2020-07-20	-	Equity Buffer
118	FDEC	FT Vest U.S. Equity Buffer ETF - December	41.21	748	35	0.85	ETF	2020-12-21	-	Equity Buffer
119	FJAN	FT Vest U.S. Equity Buffer ETF - January	41.98	737	42	0.85	ETF	2021-01-19	-	Equity Buffer
120	POCT	Innovator U.S. Equity Power Buffer ETF - October	37.49	730	42	0.79	ETF	2018-10-01	-	Equity Buffer

OPTION STRATEGIES										Grouped by strategy and sorted by AUM
362	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
121	PSEP	Innovator U.S. Equity Power Buffer ETF - Sept	36.50	719	48	0.79	ETF	2019-09-03	-	Equity Buffer
122	PMAR	Innovator U.S. Equity Power Buffer ETF - March	36.81	706	242	0.79	ETF	2020-03-02	-	Equity Buffer
123	FMAR	FT Vest US Equity Buffer ETF - March	39.24	632	248	0.85	ETF	2021-03-22	-	Equity Buffer
124	FAUG	FT Vest U.S. Equity Buffer ETF - August	42.88	608	35	0.85	ETF	2019-11-07	-	Equity Buffer
125	FJUN	FT Vest US Equity Buffer ETF - June	47.02	608	200	0.85	ETF	2020-06-22	-	Equity Buffer
126	FNOV	FT Vest US Equity Buffer ETF - November	44.74	599	12	0.85	ETF	2019-11-18	-	Equity Buffer
127	BALT	Innovator Defined Wealth Shield ETF	29.26	585	202	0.69	ETF	2021-06-30	-	Equity Buffer
128	FMAY	FT Vest US Equity Buffer ETF - May	43.22	544	32	0.85	ETF	2020-05-18	-	Equity Buffer
129	FOCT	FT Vest U.S. Equity Buffer ETF - October	40.57	525	32	0.85	ETF	2020-10-19	-	Equity Buffer
130	PAPR	Innovator U.S. Equity Power Buffer ETF - April	33.59	512	390	0.79	ETF	2019-04-01	-	Equity Buffer
131	BUFC	AB Conservative Buffer ETF	36.51	503	55	0.69	ETF	2023-12-13	NA	Equity Buffer
132	BUFQ	FT Vest Fund of Nasdaq-100 Buffer ETFs	28.33	502	135	1.10	ETF	2022-06-15	-	Equity Buffer
133	FSEP	FT Vest U.S. Equity Buffer ETF - September	42.50	500	8	0.85	ETF	2020-09-21	-	Equity Buffer
134	PJUN	Innovator U.S. Equity Power Buffer ETF - June	34.52	463	58	0.79	ETF	2019-06-03	-	Equity Buffer
135	FAPR	FT Vest U.S. Equity Buffer ETF - April	36.44	458	59	0.85	ETF	2021-04-19	-	Equity Buffer
136	KJAN	Innovator U.S. Small Cap Power Buffer ETF - Jan	35.37	443	107	0.89	ETF	2020-01-02	-	Equity Buffer
137	HELO	JPMorgan Hedged Equity Laddered Overlay ETF	55.97	443	120	0.50	ETF	2023-09-29	NA	Equity Buffer
138	PMAY	Innovator U.S. Equity Power Buffer ETF - May	32.47	434	27	0.79	ETF	2020-04-30	-	Equity Buffer
139	JANW	Allianz US Large Cap Buffer20 Jan ETF	31.44	406	38	0.74	ETF	2020-12-31	-	Equity Buffer
140	BUFF	Innovator Laddered Allocation Power Buffer ETF	41.74	406	101	0.89	ETF	2016-10-20	-	Equity Buffer
141	GFEF	FT Vest US Equity Moderate Buffer ETF-February	34.44	395	165	0.85	ETF	2023-02-21	-	Equity Buffer
142	QDEC	FT Vest Nasdaq-100 Buffer ETF - December	24.85	394	202	0.90	ETF	2020-12-21	-	Equity Buffer
143	XDEC	FT Vest US Equity Enh & Mod Buffer ETF - Dec	35.26	386	25	0.85	ETF	2021-12-20	-	Equity Buffer
144	QMAR	FT Vest Nasdaq-100 Buffer ETF - March	26.50	371	319	0.90	ETF	2021-03-22	-	Equity Buffer
145	DJUL	FT Vest US Equity Deep Buffer ETF - July	38.68	344	109	0.85	ETF	2020-07-20	-	Equity Buffer
146	DDEC	FT Vest U.S. Equity Deep Buffer ETF - December	37.47	339	16	0.85	ETF	2020-12-21	-	Equity Buffer
147	DAUG	FT Vest U.S. Equity Deep Buffer ETF - August	37.00	322	52	0.85	ETF	2019-11-07	-	Equity Buffer
148	QJUN	FT Vest Nasdaq-100 Buffer ETF - June	25.51	321	81	0.90	ETF	2021-06-21	-	Equity Buffer
149	PSFF	Pacer Swan Sos Fund of Funds ETF	27.01	296	68	0.88	ETF	2020-12-30	-	Equity Buffer
150	DFEB	FT Vest U.S. Equity Deep Buffer ETF - February	39.11	285	139	0.85	ETF	2020-02-24	-	Equity Buffer
151	GJAN	FT Vest US Equity Moderate Buffer ETF - January	35.88	283	18	0.85	ETF	2023-01-23	-	Equity Buffer
152	DMAR	FT Vest US Equity Deep Buffer ETF - March	34.90	280	191	0.85	ETF	2021-03-22	-	Equity Buffer
153	NJAN	Innovator Growth 100 Power Buffer ETF - January	43.58	276	31	0.79	ETF	2020-01-02	-	Equity Buffer
154	DJAN	FT Vest U.S. Equity Deep Buffer ETF - January	36.03	271	98	0.85	ETF	2021-01-19	-	Equity Buffer
155	QSPT	FT Vest Nasdaq-100 Buffer ETF - September	24.96	271	58	0.90	ETF	2021-09-20	-	Equity Buffer
156	DNOV	FT Vest US Equity Deep Buffer ETF - November	40.39	268	17	0.85	ETF	2019-11-18	-	Equity Buffer
157	GJUL	FT Vest US Equity Moderate Buffer ETF - July	33.87	267	66	0.85	ETF	2023-07-24	NA	Equity Buffer
158	BJAN	Innovator U.S. Equity Buffer ETF - January	43.54	263	20	0.79	ETF	2019-01-02	-	Equity Buffer
159	GMAR	FT Vest US Equity Moderate Buffer ETF - March	34.42	251	359	0.85	ETF	2023-03-20	-	Equity Buffer
160	UAUG	Innovator U.S. Equity Ultra Buffer ETF - August	32.65	247	97	0.79	ETF	2019-08-01	-	Equity Buffer
161	TJUL	Innovator Eqy Defined Protection - 2 Yr to July 2025	26.31	236	24	0.79	ETF	2023-07-17	NA	Equity Buffer
162	BFEB	Innovator U.S. Equity Buffer ETF - February	39.28	222	17	0.79	ETF	2020-02-03	-	Equity Buffer
163	FEBW	Allianz US Large Cap Buffer20 Feb ETF	28.96	213	33	0.74	ETF	2023-02-01	0.15	Equity Buffer
164	XJUN	FT Vest U.S. Equity Enh & Mod Buffer ETF - June	36.21	213	46	0.85	ETF	2021-07-13	-	Equity Buffer
165	IAPR	Innovator Intl Developed Power Buffer ETF - April	27.16	209	108	0.85	ETF	2021-04-01	-	Equity Buffer
166	IJAN	Innovator Intl Developed Power Buffer ETF - Jan	31.29	209	34	0.85	ETF	2020-01-02	-	Equity Buffer
167	GJUN	FT Vest US Equity Moderate Buffer ETF - June	33.36	203	60	0.85	ETF	2023-06-20	NA	Equity Buffer
168	UJAN	Innovator U.S. Equity Ultra Buffer ETF - January	36.10	202	21	0.79	ETF	2019-01-02	-	Equity Buffer
169	BUFG	FT Vest Buffered Allocation Growth ETF	22.52	201	53	1.05	ETF	2021-10-27	-	Equity Buffer
170	GDEC	FT Vest US Equity Moderate Buffer ETF - Dec	31.56	197	21	0.85	ETF	2023-12-18	NA	Equity Buffer
171	NJUL	Innovator Growth 100 Power Buffer ETF - July	57.65	195	37	0.89	ETF	2020-07-01	-	Equity Buffer
172	MARW	Allianz US Large Cap Buffer20 Mar ETF	28.72	193	163	0.74	ETF	2023-03-01	-	Equity Buffer
173	BJUL	Innovator U.S. Equity Buffer ETF - July	40.33	193	104	0.79	ETF	2018-08-29	-	Equity Buffer
174	BMAR	Innovator U.S. Equity Buffer ETF - March	41.67	186	82	0.79	ETF	2020-03-02	-	Equity Buffer
175	DJUN	FT Vest US Equity Deep Buffer ETF - June	40.02	185	34	0.85	ETF	2020-06-22	-	Equity Buffer
176	DSEP	FT Vest U.S. Equity Deep Buffer ETF - September	38.19	183	6	0.85	ETF	2020-09-21	-	Equity Buffer
177	BAUG	Innovator U.S. Equity Buffer ETF - August	38.87	183	62	0.79	ETF	2019-08-01	-	Equity Buffer
178	DOCT	FT Vest U.S. Equity Deep Buffer ETF - October	37.62	183	25	0.85	ETF	2020-10-19	-	Equity Buffer
179	BOCT	Innovator U.S. Equity Buffer ETF - October	40.47	178	9	0.79	ETF	2018-10-01	-	Equity Buffer
180	XMAR	FT Vest US Equity Enh & Mod Buffer ETF - March	33.62	178	85	0.85	ETF	2023-03-20	-	Equity Buffer
181	DAPR	FT Vest U.S. Equity Deep Buffer ETF - April	33.28	174	54	0.85	ETF	2021-04-19	-	Equity Buffer
182	GNOV	FT Vest US Equity Moderate Buffer ETF - Nov	32.97	172	10	0.85	ETF	2023-11-20	NA	Equity Buffer
183	IJUL	Innovator Intl Developed Power Buffer ETF - July	28.21	170	12	0.85	ETF	2019-07-01	-	Equity Buffer
184	YJUN	FT Vest International Equity Buffer ETF - June	22.16	166	24	0.90	ETF	2021-06-21	-	Equity Buffer

OPTION STRATEGIES										Grouped by strategy and sorted by AUM
362	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
185	NOCT	Innovator Growth-100 Power Buffer ETF - October	47.57	166	16	0.89	ETF	2019-10-01	-	Equity Buffer
186	BSEP	Innovator U.S. Equity Buffer ETF - September	39.28	162	27	0.79	ETF	2019-09-03	-	Equity Buffer
187	EJAN	Innovator Emerg Mkts Power Buffer ETF - January	28.94	155	16	0.89	ETF	2020-01-02	-	Equity Buffer
188	BAPR	Innovator U.S. Equity Buffer ETF April	40.04	154	43	0.79	ETF	2019-04-01	-	Equity Buffer
189	JULW	AllianzIM US Large Cap Buffer20 Jul ETF	32.61	153	12	0.74	ETF	2020-07-01	-	Equity Buffer
190	KJUL	Innovator U.S. Small Cap Power Buffer ETF - July	28.08	153	14	0.79	ETF	2020-07-01	-	Equity Buffer
191	BDEC	Innovator U.S. Equity Buffer ETF -December	40.60	151	6	0.79	ETF	2019-12-02	-	Equity Buffer
192	DMAY	FT Vest US Equity Deep Buffer ETF - May	37.28	150	42	0.85	ETF	2020-05-18	-	Equity Buffer
193	AUGW	AllianzIM US Large Cap Buffer20 Aug ETF	27.13	143	221	0.74	ETF	2023-07-31	NA	Equity Buffer
194	UMAR	Innovator U.S. Equity Ultra Buffer ETF - March	32.66	136	111	0.79	ETF	2020-03-02	-	Equity Buffer
195	OCTW	AllianzIM US Large Cap Buffer20 Oct ETF	33.86	135	4	0.74	ETF	2020-10-01	-	Equity Buffer
196	XSEP	FT Vest U.S. Equity Enh & Mod Buffer ETF - Sept	37.05	133	9	0.85	ETF	2022-09-22	-	Equity Buffer
197	JANT	AllianzIM US Large Cap Buffer10 Jan ETF	32.98	125	18	0.74	ETF	2020-12-31	-	Equity Buffer
198	GSEP	FT Vest US Equity Moderate Buffer ETF - Sept	33.01	124	11	0.85	ETF	2023-09-18	NA	Equity Buffer
199	KAPR	Innovator U.S. Small Cap Power Buffer ETF - April	31.16	120	58	0.89	ETF	2020-04-01	-	Equity Buffer
200	IOCT	Innovator Intl Developed Power Buffer ETF - Oct	28.92	116	13	0.79	ETF	2021-10-01	-	Equity Buffer
201	BMAY	Innovator U.S. Equity Buffer ETF - May	35.60	109	13	0.79	ETF	2020-04-30	-	Equity Buffer
202	BNOV	Innovator U.S. Equity Buffer ETF - November	36.49	108	9	0.79	ETF	2019-11-01	-	Equity Buffer
203	BUFV	Innovator Laddered Allocation Buffer ETF	29.38	106	23	0.89	ETF	2022-02-08	-	Equity Buffer
204	NAPR	Innovator Growth 100 Power Buffer ETF - April	45.51	106	63	0.79	ETF	2020-04-01	-	Equity Buffer
205	SIXJ	AllianzIM U.S. Large Cap 6 Month Buffer10 Jan/Jul	27.79	105	32	0.74	ETF	2021-12-31	-	Equity Buffer
206	GAUG	FT Vest US Equity Moderate Buffer ETF - August	32.96	105	63	0.85	ETF	2023-08-21	NA	Equity Buffer
207	BUFT	FT Vest Buffered Allocation Defensive ETF	21.35	105	20	1.05	ETF	2021-10-27	-	Equity Buffer
208	FEBT	AllianzIM US Large Cap Buffer10 Feb ETF	30.91	103	58	0.74	ETF	2023-02-01	0.31	Equity Buffer
209	GOCT	FT Vest US Equity Moderate Buffer ETF - October	33.43	101	39	0.85	ETF	2023-10-23	NA	Equity Buffer
210	XBJA	Innovator US Equity Accelerated 9 Buffer ETF - Jan	26.97	100	19	0.79	ETF	2022-01-03	-	Equity Buffer
211	APRW	AllianzIM US Large Cap Buffer20 Apr ETF	30.26	99	454	0.74	ETF	2020-06-01	-	Equity Buffer
212	MART	AllianzIM US Large Cap Buffer10 Mar ETF	30.54	99	64	0.74	ETF	2023-03-01	-	Equity Buffer
213	YDEC	FT Vest Intl Equity Moderate Buffer ETF - Dec	23.52	98	21	0.90	ETF	2020-12-21	-	Equity Buffer
214	GMAY	FT Vest U.S. Equity Moderate Buffer ETF - May	34.00	96	30	0.85	ETF	2023-05-22	NA	Equity Buffer
215	UOCT	Innovator U.S. Equity Ultra Buffer ETF October	33.59	95	4	0.79	ETF	2018-10-01	-	Equity Buffer
216	UFEB	Innovator U.S. Equity Ultra Buffer ETF - February	30.80	95	13	0.79	ETF	2020-02-03	-	Equity Buffer
217	EJUL	Innovator Emerg Mkts Power Buffer ETF - July	23.80	94	8	0.89	ETF	2019-07-01	-	Equity Buffer
218	ZALT	Innovator US Equity 10 Buffer ETF	27.41	93	34	0.69	ETF	2023-10-02	NA	Equity Buffer
219	BJUN	Innovator U.S. Equity Buffer ETF - June	37.60	93	10	0.79	ETF	2019-06-03	-	Equity Buffer
220	GAPR	FT Vest US Equity Moderate Buffer ETF - April	33.68	93	12	0.85	ETF	2023-04-24	-	Equity Buffer
221	UDEC	Innovator U.S. Equity Ultra Buffer ETF - December	33.42	91	5	0.79	ETF	2019-12-02	-	Equity Buffer
222	XJAN	FT Vest US Equity Enh & Mod Buffer ETF - Jan	31.76	90	20	0.85	ETF	2024-01-22	NA	Equity Buffer
223	KOCT	Innovator US Small Cap Power Buffer ETF - Oct	28.47	88	10	0.89	ETF	2019-10-01	-	Equity Buffer
224	PSTP	Innovator Power Buffer Step-UP Strategy ETF	29.50	85	11	0.89	ETF	2022-03-08	-	Equity Buffer
225	DECW	AllianzIM US Large Cap Buffer20 Dec ETF	29.02	84	7	0.74	ETF	2022-12-01	1.23	Equity Buffer
226	AJAN	Innovator Eqy Defined Protection - 2 Yr to Jan2026	24.90	81	34	0.79	ETF	2024-01-02	NA	Equity Buffer
227	UJUL	Innovator U.S. Equity Ultra Buffer ETF - July	31.87	80	15	0.79	ETF	2018-08-08	-	Equity Buffer
228	PSMD	Pacer Swan SOS Moderate January ETF	27.08	80	28	0.60	ETF	2020-12-23	-	Equity Buffer
229	XBJL	Innovator US Equity Accelerated 9 Buffer ETF - July	31.70	78	11	0.79	ETF	2021-06-30	-	Equity Buffer
230	UAPR	Innovator U.S. Equity Ultra Buffer ETF - April	28.16	75	38	0.79	ETF	2019-04-01	-	Equity Buffer
231	EAPR	Innovator Emerg Mkts Power Buffer ETF - April	25.11	74	33	0.89	ETF	2021-04-01	-	Equity Buffer
232	XBOC	Innovator US Equity Accelerated 9 Buffer ETF-Oct	28.73	74	8	0.79	ETF	2021-09-30	-	Equity Buffer
233	BUFZ	FT Vest Laddered Moderate Buffer ETF	22.25	72	68	1.05	ETF	2023-10-26	NA	Equity Buffer
234	XBAP	Innovator US Equity Accelerated 9 Buffer ETF - April	31.24	71	26	0.79	ETF	2021-04-01	-	Equity Buffer
235	YMAR	FT Vest International Equity Buffer ETF - March	23.17	70	48	0.90	ETF	2021-03-22	-	Equity Buffer
236	AUGT	AllianzIM US Large Cap Buffer10 Aug ETF	27.97	69	170	0.74	ETF	2023-07-31	NA	Equity Buffer
237	USEP	Innovator U.S. Equity Ultra Buffer ETF - September	32.95	63	24	0.79	ETF	2019-09-03	-	Equity Buffer
238	SIXF	AllianzIM US Large Cap 6 Month Buffer10 Feb/Aug	25.99	60	178	0.74	ETF	2024-01-31	NA	Equity Buffer
239	PSMJ	Pacer Swan SOS Moderate July ETF	26.23	60	4	0.60	ETF	2021-06-30	-	Equity Buffer
240	UNOV	Innovator U.S. Equity Ultra Buffer ETF - November	32.70	57	9	0.79	ETF	2019-11-01	-	Equity Buffer
241	XISE	FT Vest US Equity Buffer & Premium Income - Sept	30.68	56	19	0.85	ETF	2023-09-18	NA	Equity Buffer
242	UJUN	Innovator U.S. Equity Ultra Buffer ETF - June	31.01	54	18	0.79	ETF	2019-06-03	-	Equity Buffer
243	SFEB	FT Cboe Vest US Small Cap Mod Buffer ETF - Feb	20.36	54	84	0.90	ETF	2024-02-20	NA	Equity Buffer
244	BSTP	Innovator Buffer Step-UP Strategy ETF	30.26	54	8	0.89	ETF	2022-03-08	-	Equity Buffer
245	XOCT	FT Vest US Equity Enh & Mod Buffer ETF - Oct	32.83	53	11	0.85	ETF	2023-10-23	NA	Equity Buffer
246	XJUL	FT Vest US Equity Enh & Moderate Buffer ETF - July	33.25	51	16	0.85	ETF	2023-07-24	NA	Equity Buffer
247	DECT	AllianzIM US Large Cap Buffer10 Dec ETF	30.13	50	13	0.74	ETF	2022-12-01	0.46	Equity Buffer
248	ISEP	Innovator Intl Developed Power Buffer ETF-Sept	27.23	50	2	0.85	ETF	2023-08-01	NA	Equity Buffer

OPTION STRATEGIES										Grouped by strategy and sorted by AUM
362	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
249	DECZ	TrueShares Structured Outcome December ETF	34.36	46	5	0.79	ETF	2020-12-01	1.15	Equity Buffer
250	UMAY	Innovator U.S. Equity Ultra Buffer ETF - May	30.26	44	15	0.79	ETF	2020-04-30	-	Equity Buffer
251	PSFD	Pacer Swan SOS Flex January ETF	30.52	43	12	0.60	ETF	2020-12-23	-	Equity Buffer
252	PSMO	Pacer Swan SOS Moderate October ETF	26.13	43	3	0.60	ETF	2021-09-30	-	Equity Buffer
253	SAUG	FT Vest US Small Cap Moderate Buffer ETF - August	21.92	41	7	0.90	ETF	2023-08-21	NA	Equity Buffer
254	MARZ	TrueShares Structured Outcome March ETF	30.04	40	42	0.79	ETF	2021-03-01	6.84	Equity Buffer
255	PSMR	Pacer Swan SOS Moderate April ETF	25.49	40	2	0.60	ETF	2021-04-01	-	Equity Buffer
256	IVVB	iShares Large Cap Deep Buffer ETF	27.64	40	2	0.50	ETF	2023-06-30	NA	Equity Buffer
257	OCTT	AllianzIM US Large Cap Buffer10 Oct ETF	35.91	39	3	0.74	ETF	2020-10-01	-	Equity Buffer
258	SIXO	AllianzIM US Large Cap 6 Month Buffer10 Apr/Oct	29.57	39	86	0.74	ETF	2021-10-01	-	Equity Buffer
259	MAYW	AllianzIM US Large Cap Buffer20 May ETF	27.89	39	7	0.74	ETF	2023-05-01	NA	Equity Buffer
260	SEPW	AllianzIM US Large Cap Buffer20 Sep ETF	27.19	38	6	0.74	ETF	2023-08-31	NA	Equity Buffer
261	EOCT	Innovator Emerg Mkts Power Buffer ETF-October	24.08	38	13	0.89	ETF	2021-10-01	-	Equity Buffer
262	YSEP	FT Vest Intl Equity Buffer ETF - September	21.60	37	2	0.90	ETF	2021-09-20	-	Equity Buffer
263	JULT	AllianzIM US Large Cap Buffer10 Jul ETF	35.86	36	7	0.74	ETF	2020-07-01	-	Equity Buffer
264	IVVM	iShares Large Cap Moderate Buffer ETF	27.86	35	1	0.50	ETF	2023-06-30	NA	Equity Buffer
265	XFEB	FT Vest US Equity Enh & Mod Buffer ETF - Feb	30.56	34	24	0.85	ETF	2024-02-20	NA	Equity Buffer
266	NVBW	AllianzIM US Large Cap Buffer20 Nov ETF	29.26	33	2	0.74	ETF	2022-11-01	-	Equity Buffer
267	PHEQ	Parametric Hedged Equity ETF	27.05	32	21	0.29	ETF	2023-10-19	NA	Equity Buffer
268	EALT	Innovator US Equity 5 to 15 Buffer ETF-Quarterly	28.95	32	12	0.69	ETF	2023-10-02	NA	Equity Buffer
269	SNOV	FT Vest US Small Cap Moderate Buffer ETF - Nov	21.76	28	5	0.90	ETF	2023-11-20	NA	Equity Buffer
270	APRT	AllianzIM US Large Cap Buffer10 Apr ETF	34.86	28	123	0.74	ETF	2020-06-01	-	Equity Buffer
271	PSFJ	Pacer Swan SOS Flex July ETF	26.71	27	1	0.60	ETF	2021-06-30	-	Equity Buffer
272	XNOV	FT Vest US Equity Enh & Mod Buffer ETF - Nov	32.39	25	6	0.85	ETF	2023-11-20	NA	Equity Buffer
273	XIDE	FT Vest US Eqy Buffer & Premium Income ETF - Dec	30.48	24	3	0.85	ETF	2023-12-18	NA	Equity Buffer
274	SIXP	AllianzIM US Large Cap 6M Buffer10 Mar/Sep ETF	25.47	24	28	0.74	ETF	2024-02-29	NA	Equity Buffer
275	SMAY	FT Vest U.S. Small Cap Moderate Buffer ETF - May	22.93	24	3	0.90	ETF	2023-05-22	NA	Equity Buffer
276	JUNW	AllianzIM U.S. Large Cap Buffer20 Jun ETF	27.84	24	4	0.74	ETF	2023-05-31	NA	Equity Buffer
277	IMAR	Innovator Intl Developed Power Buffer ETF - March	25.74	23	45	0.85	ETF	2024-02-29	NA	Equity Buffer
278	PSFM	Pacer Swan SOS Flex April ETF	26.90	22	1	0.60	ETF	2021-04-01	-	Equity Buffer
279	PSCX	Pacer Swan SOS Conservative January ETF	25.66	21	7	0.60	ETF	2020-12-23	-	Equity Buffer
280	SEPT	TrueShares Structured Outcome September ETF	36.11	18	0.2	0.79	ETF	2020-09-01	3.32	Equity Buffer
281	NOVZ	TrueShares Structured Outcome November ETF	37.66	18	1	0.79	ETF	2020-11-01	2.12	Equity Buffer
282	XAUG	FT Vest US Equity Enh & Mod Buffer ETF - August	32.30	17	3	0.85	ETF	2023-08-21	NA	Equity Buffer
283	LJAN	Innovator Premium Income 15 Buffer ETF - January	24.62	16	1	0.79	ETF	2024-01-02	NA	Equity Buffer
284	AUGZ	TrueShares Structured Outcome August ETF	36.73	16	0.4	0.79	ETF	2020-08-03	3.17	Equity Buffer
285	PSFO	Pacer Swan SOS Flex October ETF	27.01	16	1	0.60	ETF	2021-09-30	-	Equity Buffer
286	IDEC	Innovator Intl Developed Power Buffer ETF - Dec	26.84	15	2	0.85	ETF	2023-12-01	NA	Equity Buffer
287	PSCJ	Pacer Swan SOS Conservative July ETF	24.54	14	0.5	0.60	ETF	2021-06-30	-	Equity Buffer
288	IFEB	Innovator Intl Developed Power Buffer ETF - Feb	25.99	14	4	0.85	ETF	2024-01-31	NA	Equity Buffer
289	SEPT	AllianzIM US Large Cap Buffer10 Sep ETF	28.09	13	3	0.74	ETF	2023-08-31	NA	Equity Buffer
290	MAYT	AllianzIM US Large Cap Buffer10 May ETF	29.49	13	20	0.74	ETF	2023-05-01	NA	Equity Buffer
291	PSCW	Pacer Swan SOS Conservative April ETF	23.78	13	1	0.60	ETF	2021-04-01	-	Equity Buffer
292	JULZ	TrueShares Structured Outcome July ETF	39.20	10	26	0.79	ETF	2020-07-01	3.35	Equity Buffer
293	NVBZ	AllianzIM US Large Cap Buffer10 Nov ETF	30.43	10	1	0.74	ETF	2022-11-01	-	Equity Buffer
294	JUNT	AllianzIM U.S. Large Cap Buffer10 Jun ETF	29.29	10	1	0.74	ETF	2023-05-31	NA	Equity Buffer
295	PSCQ	Pacer Swan SOS Conservative October ETF	25.11	9	1	0.60	ETF	2021-09-30	-	Equity Buffer
296	HJAN	Innovator Premium Income 9 Buffer ETF-January	24.69	9	1	0.70	ETF	2024-01-02	NA	Equity Buffer
297	JANZ	TrueShares Structured Outcome January ETF	32.16	7	26	0.79	ETF	2021-01-04	2.40	Equity Buffer
298	FEBZ	TrueShares Structured Outcome February ETF	32.69	6	1	0.79	ETF	2021-02-01	6.38	Equity Buffer
299	APRZ	TrueShares Structured Outcome April ETF	32.25	5	0.3	0.79	ETF	2021-04-01	2.69	Equity Buffer
300	MAYZ	TrueShares Structured Outcome May ETF	28.28	5	0.0	0.79	ETF	2021-04-30	2.54	Equity Buffer
301	PBMR	PGIM US Large-Cap Buffer 20 ETF - March	25.37	4	8	0.50	ETF	2024-02-29	NA	Equity Buffer
302	OCTZ	TrueShares Structured Outcome October ETF	36.13	4	0.0	0.79	ETF	2020-10-01	3.04	Equity Buffer
303	FEBP	PGIM US Large-Cap Buffer 12 ETF - February	26.07	4	0	0.50	ETF	2024-01-31	NA	Equity Buffer
304	PBFB	PGIM US Large-Cap Buffer 20 ETF - February	25.79	4	0	0.50	ETF	2024-01-31	NA	Equity Buffer
305	INOV	Innovator Intl Developed Power Buffer ETF - Nov	28.02	3	1	0.85	ETF	2023-11-01	NA	Equity Buffer
306	JANP	PGIM US Large-Cap Buffer 12 ETF - January	26.44	3	1	0.50	ETF	2023-12-29	NA	Equity Buffer
307	MRCP	PGIM US Large-Cap Buffer 12 ETF - March	25.50	3	2	0.50	ETF	2024-02-29	NA	Equity Buffer
308	JUNZ	TrueShares Structured Outcome June ETF	28.36	3	0.4	0.79	ETF	2021-05-28	5.64	Equity Buffer
309	PBJA	PGIM US Large-Cap Buffer 20 ETF - January	26.02	3	1	0.50	ETF	2023-12-29	NA	Equity Buffer
310	KBUF	KraneShares 90% KWEB Defined Outcome Jan 2026	25.70	3	1	0.95	ETF	2024-02-08	NA	Equity Buffer
311	KPRO	KraneShares 100% KWEB Defined Outcome Jan 2026	25.31	3	0	0.95	ETF	2024-02-08	NA	Equity Buffer
312	XIMR	FT Vest US Equity Buffer & Premium Income - March	30.98	2	NA	0.85	ETF	2024-03-19	NA	Equity Buffer

OPTION STRATEGIES										Grouped by strategy and sorted by AUM
362	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
313	TBJL	Innovator 20+ Yr Treasury Bond Buffer ETF - July	19.92	90	7	0.79	ETF	2020-08-18	-	Fixed Income Buffer
314	RYSE	Vest 10 Year Interest Rate Hedge ETF	23.96	5	0.5	0.85	ETF	2023-02-03	23.08	Fixed Income Buffer
315	HYKE	Vest 2 Year Interest Rate Hedge ETF	27.91	1	0	0.85	ETF	2024-01-10	NA	Fixed Income Buffer
316	BOXX	Alpha Architect 1-3 Month Box ETF	106.46	1,963	534	0.19	ETF	2022-12-28	-	Option Spread
317	SPYI	Neos S&P 500 High Income ETF	50.36	1,046	465	0.68	ETF	2022-08-29	11.74	Option Spread
318	CSHI	NEOS Enhanced Income 1-3 Month T-Bill ETF	49.80	336	102	0.38	ETF	2022-08-29	6.24	Option Spread
319	OVL	Overlay Shares Large Cap Equity ETF	42.61	141	39	0.87	ETF	2019-10-01	2.99	Option Spread
320	SHDG	Soundwatch Hedged Equity ETF	26.36	128	2	0.59	ETF	2022-10-24	1.16	Option Spread
321	GTR	WisdomTree Target Range Fund	23.56	62	4	0.70	ETF	2021-10-07	3.61	Option Spread
322	OVT	Overlay Shares Short Term Bond ETF	22.28	60	32	0.85	ETF	2021-01-15	5.00	Option Spread
323	OVB	Overlay Shares Core Bond ETF	20.90	49	10	0.87	ETF	2019-10-01	5.17	Option Spread
324	TUGN	STF Tactical Growth & Income ETF	23.60	45	13	0.65	ETF	2022-05-17	11.50	Option Spread
325	OVLH	Overlay Shares Hedged Large Cap Equity ETF	31.25	33	16	0.78	ETF	2021-01-15	0.78	Option Spread
326	OVM	Overlay Shares Municipal Bond ETF	22.49	21	5	0.88	ETF	2019-10-01	4.61	Option Spread
327	OVF	Overlay Shares Foreign Equity ETF	24.83	18	3	0.98	ETF	2019-10-01	4.89	Option Spread
328	THTA	SoFi Enhanced Yield ETF	20.15	12	11	0.49	ETF	2023-11-14	NA	Option Spread
329	OVS	Overlay Shares Small Cap Equity ETF	34.31	11	2	0.88	ETF	2019-10-01	3.08	Option Spread
330	BNDI	Neos Enhanced Income Aggregate Bond ETF	47.46	10	3	0.58	ETF	2022-08-29	5.36	Option Spread
331	SPYT	Defiance S&P 500 Target Income ETF	20.39	8	30	0.94	ETF	2024-03-04	NA	Option Spread
332	TRES	Defiance Treasury Alternative Yield ETF	17.77	3	9	0.75	ETF	2024-01-24	NA	Option Spread
333	HEGD	Swan Hedged Equity US Large Cap ETF	20.73	237	79	0.80	ETF	2020-12-23	0.37	Other
334	CCOR	Core Alternative ETF	26.47	206	75	1.09	ETF	2017-05-24	1.27	Other
335	CAOS	Alpha Architect Tail Risk ETF	84.30	182	4	0.63	ETF	2023-03-03	-	Other
336	SWAN	Amplify Blackswan Growth & Treasury Core ETF	27.92	177	17	0.49	ETF	2018-11-06	2.85	Other
337	IDUB	Aptus International Enhanced Yield ETF	20.81	153	27	0.39	ETF	2021-07-23	3.99	Other
338	PFIX	Simplify Interest Rate Hedge ETF	44.80	131	91	0.50	ETF	2021-05-11	2.51	Other
339	TAIL	Cambria Tail Risk ETF	12.12	88	30	0.59	ETF	2017-04-06	3.83	Other
340	ZHDG	ZEGA Buy and Hedge ETF	18.86	43	7	0.95	ETF	2021-07-06	1.44	Other
341	ISWN	Amplify BlackSwan ISWN ETF	19.47	39	4	0.49	ETF	2021-01-26	2.97	Other
342	WZRD	Opportunistic Trader ETF	25.13	23	NA	0.99	ETF	2024-03-20	NA	Other
343	CPII	Ionic Inflation Protection ETF	19.57	14	1	0.70	ETF	2022-06-28	5.68	Other
344	XVOL	Acruence Active Hedge U.S. Equity ETF	20.74	7	2	0.83	ETF	2021-04-14	0.97	Other
345	IRVH	Global X Interest Rate Volatility & Inflation Hedge	20.97	4	0.3	0.46	ETF	2022-07-05	3.73	Other
346	XTR	Global X S&P 500 Tail Risk ETF	29.82	3	2	0.25	ETF	2021-08-26	1.00	Other
347	QSWN	Amplify BlackSwan Tech & Treasury ETF	20.49	3	0.0	0.49	ETF	2021-12-08	2.65	Other
348	FAIL	Cambria Global Tail Risk ETF	16.98	3	0.1	0.60	ETF	2016-02-23	4.00	Other
349	QTR	Global X Nasdaq 100 Tail Risk ETF	28.03	3	2	0.25	ETF	2021-08-26	0.50	Other
350	RATE	Global X Interest Rate Hedge ETF	19.12	2	1	0.47	ETF	2022-07-05	1.22	Other
351	CANQ	Calamos Alternative Nasdaq & Bond ETF	25.30	1	1	0.90	ETF	2024-02-13	NA	Other
352	BUYW	Main BuyWrite ETF	13.67	426	146	1.29	ETF	2022-09-12	5.94	Put and Call Write
353	HIGH	Simplify Enhanced Income ETF	24.40	409	332	0.51	ETF	2022-10-28	9.71	Put and Call Write
354	BUCK	Simplify Stable Income ETF	25.07	120	40	0.36	ETF	2022-10-28	6.46	Put and Call Write
355	GINX	SGI Enhanced Global Income ETF	25.91	51	100	0.98	ETF	2024-02-29	NA	Put and Call Write
356	USDX	SGI Enhanced Core ETF	25.11	47	97	0.98	ETF	2024-02-29	NA	Put and Call Write
357	NBOS	Neuberger Berman Option Strategy ETF	26.04	469	62	0.56	ETF	2024-01-29	NA	Put Write
358	QQQY	Defiance Nasdaq 100 Enhanced Options Income ETF	16.66	289	578	0.99	ETF	2023-09-14	NA	Put Write
359	IWMY	Defiance R2000 Enhanced Options Income ETF	17.87	153	356	0.99	ETF	2023-10-31	NA	Put Write
360	JEPY	Defiance S&P 500 Enhanced Options Income ETF	17.62	140	194	0.99	ETF	2023-09-18	NA	Put Write
361	PUTW	WisdomTree PutWrite Strategy	33.30	95	14	0.44	ETF	2016-02-24	9.62	Put Write
362	PUTD	Cboe Validus S&P 500 Dynamic Putwrite Index ETF	22.25	32	0	0.60	ETF	2023-08-10	NA	Put Write

SINGLE STOCK OPTION STRATEGIES										Grouped by strategy and sorted by AUM
25	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
1	TS LH	Innovator Hedged TSLA ETF	23.15	1	0.4	0.79	ETF	2022-07-25	4.04	Collar Strategy
2	TS LY	Yieldmax Tsla Option Income ETF	16.11	727	1,432	0.99	ETF	2022-11-23	100.20	Covered Call
3	CON Y	YieldMax COIN Option Income Strategy ETF	29.64	397	770	1.01	ETF	2023-07-31	NA	Covered Call
4	NVD Y	YieldMax NVDA Option Income Strategy ETF	29.40	355	794	1.01	ETF	2023-04-04	33.56	Covered Call
5	AMD Y	YieldMax AMD Option Income Strategy ETF	20.70	108	318	0.99	ETF	2023-09-18	NA	Covered Call
6	AM ZY	Yieldmax Amzn Option Income ETF	23.50	62	58	1.01	ETF	2023-07-25	NA	Covered Call
7	FB Y	Yieldmax Meta Option Income Strategy ETF	22.68	55	105	0.99	ETF	2023-07-28	NA	Covered Call
8	AP LY	YieldMax AAPL Option Income Strategy ETF	17.15	54	70	1.06	ETF	2023-04-05	23.38	Covered Call
9	MS FO	YieldMax MSFT Option Income Strategy ETF	22.59	46	74	1.01	ETF	2023-08-24	NA	Covered Call
10	MS TY	YieldMax MSTR Option Income Strategy ETF	42.99	45	158	0.01	ETF	2024-02-21	NA	Covered Call

SINGLE STOCK OPTION STRATEGIES										Grouped by strategy and sorted by AUM
25	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Dist'n Yld (%)	Strategy
11	NFLY	YieldMax NFLX Option Income Strategy ETF	18.57	44	124	0.99	ETF	2023-08-07	NA	Covered Call
12	SQY	YieldMax SQ Option Income Strategy ETF	25.47	33	36	1.01	ETF	2023-10-11	NA	Covered Call
13	GOOY	YieldMax GOOGL Option Income Strategy ETF	17.23	29	52	0.99	ETF	2023-07-28	NA	Covered Call
14	AIYY	YieldMax AI Option Income Strategy ETF	14.82	28	97	0.99	ETF	2023-11-27	NA	Covered Call
15	MRNY	YieldMax MRNA Option Income Strategy ETF	20.96	23	38	0.99	ETF	2023-09-25	NA	Covered Call
16	XOMO	YieldMax Xom Option Income Strategy ETF	18.47	17	29	1.01	ETF	2023-08-25	NA	Covered Call
17	PYPY	YieldMax PYPL Option Income Strategy ETF	19.48	14	20	1.01	ETF	2023-09-25	NA	Covered Call
18	JPMO	YieldMax JPM Option Income Strategy ETF	21.86	12	13	1.01	ETF	2023-09-11	NA	Covered Call
19	DISO	YieldMax DIS Option Income Strategy ETF	22.53	12	13	1.01	ETF	2023-08-25	NA	Covered Call
20	TSLP	Kurv Yield Premium Strategy Tesla TSLA ETF	19.88	1	7	0.99	ETF	2023-10-27	NA	Covered Call
21	AMZP	Kurv Yield Premium Strategy Amazon AMZN ETF	30.59	1	5	0.99	ETF	2023-10-31	NA	Covered Call
22	MSFY	Kurv Yield Premium Strategy Microsoft MSFT ETF	28.30	1	1	0.99	ETF	2023-10-31	NA	Covered Call
23	NFLP	Kurv Yield Premium Strategy Netflix NFLX ETF	31.60	1	1	0.99	ETF	2023-10-27	NA	Covered Call
24	GOOP	Kurv Yield Premium Strategy Google GOOGL ETF	27.78	1	0	0.99	ETF	2023-10-31	NA	Covered Call
25	AAPY	Kurv Yield Premium Strategy Apple AAPL ETF	23.69	0.5	2	0.99	ETF	2023-10-27	NA	Covered Call

ALTERNATIVE INVESTMENT										Grouped by strategy and sorted by AUM
59	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception		Strategy
1	CMDD	PIMCO Commodity Strategy Active	27.15	226	52	0.64	ETF	2023-05-10		Commodities
2	FAAR	First Trust Alt Absolute Return Strategy ETF	28.79	142	53	0.95	ETF	2016-05-19		Commodities
3	HARD	Simplify Commodities Strategy NO K-1 ETF	23.46	8	4	0.75	ETF	2023-03-28		Commodities
4	OAIA	Teucrium Aila Long-Short Agriculture ETF	22.32	5	1	1.49	ETF	2022-12-20		Commodities
5	USE	USCF Energy Commodity Strategy Absolute Return	37.96	4	0.0	0.79	ETF	2023-05-04		Commodities
6	OAIB	Teucrium AiLA Long-Short Base Metals Strategy ETF	24.79	4	0.3	1.49	ETF	2023-04-05		Commodities
7	FTLS	First Trust Long/Short Equity ETF	61.66	1,107	160	1.46	ETF	2014-09-09		Equity Focused
8	MNA	IQ Merger Arbitrage ETF	31.48	288	36	0.76	ETF	2009-11-17		Equity Focused
9	CLSE	Convergence Long/short Equity ETF	20.44	74	54	1.25	ETF	2022-02-22		Equity Focused
10	ARB	AltShares Merger Arbitrage ETF	27.18	69	12	0.75	ETF	2020-05-07		Equity Focused
11	MARB	First Trust Merger Arbitrage ETF	19.80	47	31	2.23	ETF	2020-02-05		Equity Focused
12	HTUS	Capitol Series Trust - Hull Tactical US ETF	39.94	45	8	1.00	ETF	2015-06-25		Equity Focused
13	LBAY	Leatherback Long/Short Alternative Yield ETF	27.05	44	3	1.24	ETF	2020-11-17		Equity Focused
14	DBEH	iMGP DBi Hedge Strategy ETF	27.27	35	1	0.85	ETF	2019-12-18		Equity Focused
15	SHRT	Gotham Short Strategies ETF	8.11	15	11	1.35	ETF	2017-07-31		Equity Focused
16	LSEQ	Harbor Long-Short Equity ETF	26.64	15	0	1.70	ETF	2023-12-04		Equity Focused
17	CLIX	ProShares Long Online/Short Stores ETF	40.37	11	3	0.65	ETF	2017-11-14		Equity Focused
18	CBLS	Clough Long/Short Equity ETF	22.93	10	6	2.59	ETF	2020-11-13		Equity Focused
19	MRGR	ProShares Merger ETF	40.38	10	2	0.75	ETF	2012-12-13		Equity Focused
20	PRAE	PlanRock Alternative Growth ETF	33.19	6	0	1.45	ETF	2023-12-18		Equity Focused
21	SPQ	Simplify US Equity PLUS QIS ETF	29.19	4	2	1.00	ETF	2023-11-14		Equity Focused
22	FFLS	Future Fund Long/short ETF/The	22.47	2	1	1.24	ETF	2023-06-21		Equity Focused
23	AGGH	Simplify Aggregate Bond ETF	21.43	187	66	0.29	ETF	2022-02-15		Fixed Income
24	CRDT	Simplify Opportunistic Income ETF	25.14	74	20	0.95	ETF	2023-06-27		Fixed Income
25	CDX	Simplify High Yield PLUS Credit Hedge ETF	22.92	64	14	0.50	ETF	2022-02-15		Fixed Income
26	TYA	Simplify Intermediate Term Treasury Futures	13.35	45	27	0.15	ETF	2021-09-28		Fixed Income
27	VPC	Virtus Private Credit Strategy ETF	22.50	37	16	9.72	ETF	2019-02-08		Fixed Income
28	DBMF	iMGP DBi Managed Futures Strategy ETF	28.68	938	358	0.85	ETF	2019-05-08		Managed Futures
29	NBCM	Neuberger Berman Commodity Strategy ETF	21.62	269	47	0.66	ETF	2022-10-24		Managed Futures
30	KMLM	KFA Mount Lucas Managed Futures Index Strategy	29.89	265	86	0.92	ETF	2020-12-01		Managed Futures
31	WTMF	WisdomTree Managed Futures Strategy Fund	37.50	205	45	0.65	ETF	2011-01-05		Managed Futures
32	CTA	Simplify Managed Futures Strategy ETF	24.95	163	48	0.75	ETF	2022-03-08		Managed Futures
33	FMF	First Trust Managed Futures Strategy Fund	50.57	144	16	0.95	ETF	2013-08-02		Managed Futures
34	RSST	Return Stacked US Stocks & Managed Futures ETF	23.37	106	88	1.04	ETF	2023-09-06		Managed Futures
35	RSBT	Return Stacked Bonds & Managed Futures ETF	18.14	56	14	0.95	ETF	2023-02-08		Managed Futures
36	BTAL	AGF US Market Neutral Anti-Beta Fund	18.02	233	214	1.43	ETF	2011-09-13		Market Neutral
37	EQLS	Simplify Market Neutral Equity Long/Short ETF	23.35	160	14	1.00	ETF	2023-06-13		Market Neutral
38	TPMN	Timothy Plan Market Neutral ETF	23.30	40	10	0.65	ETF	2023-01-25		Market Neutral
39	PRMN	PlanRock Market Neutral Income ETF	29.64	2	1	1.30	ETF	2023-12-18		Market Neutral
40	QAI	IQ Hedge Multi-Strategy Tracker ETF	30.89	603	95	0.78	ETF	2009-03-25		Multi-Alternative
41	FLSP	Franklin Systematic Style Premia ETF	23.96	184	10	0.65	ETF	2019-12-23		Multi-Alternative
42	GDMA	Gadsden Dynamic Multi-Asset ETF	31.23	153	14	0.59	ETF	2018-11-15		Multi-Alternative
43	QIS	Simplify Multi-Qis Alternative ETF	25.38	114	8	1.00	ETF	2023-07-11		Multi-Alternative
44	TFPN	Blueprint Chesapeake Multi-Asset Trend ETF	26.00	75	11	1.10	ETF	2023-07-12		Multi-Alternative
45	DALT	Two Roads Shared Trust - Anfield Diversified Alts	9.03	46	28	1.30	ETF	2017-09-29		Multi-Alternative

ALTERNATIVE INVESTMENT									Grouped by strategy and sorted by AUM
59	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Strategy
46	HFND	Unlimited HFND Multi-Strategy Return Tracker ETF	21.84	37	8	1.22	ETF	2022-09-29	Multi-Alternative
47	AHLT	American Beacon Ahl Trend ETF	24.29	36	8	0.95	ETF	2023-08-31	Multi-Alternative
48	FORH	Formidable ETF	23.59	28	5	1.19	ETF	2021-04-30	Multi-Alternative
49	HDG	ProShares Hedge Replication ETF	49.25	28	1	0.95	ETF	2011-07-14	Multi-Alternative
50	MSVX	LHA Market State Alpha Seeker ETF	24.00	23	7	1.42	ETF	2020-05-14	Multi-Alternative
51	HF	DGA Absolute Return ETF	22.23	18	1	1.53	ETF	2023-08-03	Multi-Alternative
52	RHTX	RH Tactical Outlook ETF	15.04	10	0.4	1.37	ETF	2021-10-25	Multi-Alternative
53	LALT	First Trust Multi-Strategy Alternative ETF	20.73	6	7	1.94	ETF	2023-01-31	Multi-Alternative
54	RPAR	RPAR Risk Parity ETF	19.27	647	61	0.50	ETF	2019-12-13	Other
55	UPAR	UPAR Ultra Risk Parity ETF	13.77	87	20	0.65	ETF	2022-01-03	Other
56	RSSB	Return Stacked Global Stocks & Bonds ETF	22.43	81	19	0.41	ETF	2023-12-05	Other
57	ARP	PMV Adaptive Risk Parity ETF	26.96	23	4	1.42	ETF	2022-12-22	Other
58	EVNT	AltShares Event-Driven ETF	10.09	5	2	1.25	ETF	2021-09-20	Other
59	CYA	Simplify Tail Risk Strategy ETF	0.51	2	-	0.50	ETF	2021-09-14	Other

PRIVATE EQUITY									Grouped by leverage factor and sorted by AUM
7	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor
1	BDCX	ETRACS Quarterly Pay 1.5x MarketVector BDC Liquid	33.82	34	1	0.95	Note	2020-06-03	1.5
2	BIZD	VanEck BDC Income ETF	16.90	1,035	628	11.17	ETF	2013-02-12	Single Long
3	PSP	Invesco Global Listed Private Equity ETF	65.96	233	15	1.58	ETF	2006-10-24	Single Long
4	PBDC	Putnam BDC Income ETF	33.91	73	33	10.61	ETF	2022-09-29	Single Long
5	BDCZ	ETRACS MarketVector BDC Liquid	19.54	27	4	0.85	Note	2015-10-08	Single Long
6	PEX	ProShares Global Listed Private Equity ETF	29.51	10	3	2.79	ETF	2013-02-28	Single Long
7	LBO	WHITEWOLF Publicly Listed Private Equity ETF	28.82	2	1	0.70	ETF	2023-11-30	Single Long

CURRENCY									Grouped by region and sorted by AUM
9	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Region
1	FXA	Invesco CurrencyShares Australian Dollar Trust	64.57	68	5	0.40	Grantor Trust	2006-06-26	Australia
2	FXC	Invesco CurrencyShares Canadian Dollar Trust	72.36	58	14	0.40	Grantor Trust	2006-06-26	Canada
3	CEW	WisdomTree Emerging Currency Strategy Fund	17.75	7	2	0.55	ETF	2009-05-06	Emerging Markets
4	FXE	Invesco CurrencyShares Euro Currency Trust	99.71	200	23	0.40	Grantor Trust	2005-12-12	Europe
5	FXJ	Invesco CurrencyShares Japanese Yen Trust	61.23	343	193	0.40	Grantor Trust	2007-02-13	Japan
6	FXF	Invesco CurrencyShares Swiss Franc Trust	98.67	148	41	0.40	Grantor Trust	2006-06-26	Switzerland
7	FXB	Invesco British Pound Sterling Trust	121.57	67	27	0.40	Grantor Trust	2006-06-26	U.K.
8	UUP	Invesco DB US Dollar Index Bullish Fund	28.37	333	673	0.77	LP	2007-02-20	U.S.
9	USDU	WisdomTree Bloomberg U.S. Dollar Bullish Fund	26.20	165	140	0.50	ETF	2013-12-18	U.S.

INVERSE AND LEVERAGED CURRENCY									Grouped by region and sorted by AUM
5	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Region
1	EUO	ProShares UltraShort Euro	30.96	39	16	0.95	LP	2008-11-25	Europe
2	ULE	ProShares Ultra Euro	11.32	7	9	0.95	LP	2008-11-25	Europe
3	YCL	ProShares Ultra Yen	23.35	42	106	0.95	LP	2008-11-25	Japan
4	YCS	ProShares UltraShort Yen	81.83	33	20	0.95	LP	2008-11-25	Japan
5	UDN	Invesco DB US Dollar Index Bearish Fund	17.99	62	30	0.77	LP	2007-02-20	U.S.

VOLATILITY									Grouped by leverage factor and sorted by AUM
11	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Leverage Factor
1	SVIX	-1x Short VIX Futures ETF	42.36	91	845	1.98	ETF	2022-03-30	-1.0
2	WEIX	Dynamic Short Short-Term Volatility Futures ETF	29.34	7	0.2	1.85	ETF	2021-01-13	-1.0
3	ZIVB	-1x Short VIX Mid-Term Futures Strategy ETF	22.50	5	5	1.35	ETF	2023-04-19	-1.0
4	SVXY	ProShares Short VIX Short-Term Futures ETF	112.74	314	1,336	1.15	LP	2011-10-04	-0.5
5	SVOL	Simplify Volatility Premium ETF	22.66	822	687	0.50	ETF	2021-05-13	-0.25
6	UVXY	ProShares Ultra VIX Short-Term Futures ETF	6.32	274	26,908	1.71	LP	2011-10-04	1.5
7	UVIX	2x Long VIX Futures ETF	8.75	78	6,536	2.78	ETF	2022-03-30	2.0
8	VXX	iPath Series B S&P 500 VIX S.T. Futures ETN	12.97	336	13,519	0.89	Note	2009-01-29	Single Long
9	VIXY	ProShares VIX Short-Term Futures ETF	12.96	161	4,532	0.85	LP	2011-01-04	Single Long
10	VIXM	ProShares VIX Mid-Term Futures ETF	15.85	85	228	0.85	LP	2011-01-04	Single Long
11	VXZ	iPath Series B S&P 500 VIX Mid-Term Futures ETN	13.69	37	22	0.89	Note	2009-01-29	Single Long

Crypto-Asset

CRYPTO-ASSET										Grouped by focus and sorted by AUM
30	Ticker	Fund Name	Price US\$	Assets US\$M	Volume (000)	MER (%)	Structure	Inception	Focus	
1	GBTC	Grayscale Bitcoin Trust BTC	63.17	23,643	22,981	1.50	Grantor Trust	2013-09-13	Bitcoin	
2	IBIT	iShares Bitcoin Trust	40.47	17,831	63,729	0.12	Grantor Trust	2024-01-11	Bitcoin	
3	FBTC	Fidelity Wise Origin Bitcoin Fund	62.06	10,243	17,824	0.00	Grantor Trust	2024-01-10	Bitcoin	
4	ARKB	ARK 21Shares Bitcoin ETF	70.98	3,160	4,205	0.21	Grantor Trust	2024-01-11	Bitcoin	
5	BITO	ProShares Bitcoin Strategy ETF	32.30	3,032	27,854	0.95	ETF	2021-10-19	Bitcoin	
6	BITB	Bitwise Bitcoin ETF	38.71	2,242	4,130	0.20	Grantor Trust	2024-01-11	Bitcoin	
7	BITX	2x Bitcoin Strategy ETF	53.25	1,555	5,982	1.85	ETF	2023-06-27	Bitcoin	
8	HODL	VanEck Bitcoin Trust	80.34	616	721	0.00	Grantor Trust	2024-01-11	Bitcoin	
9	BRRR	Valkyrie Bitcoin Fund	20.13	543	1,035	0.00	Grantor Trust	2024-01-11	Bitcoin	
10	BTCO	Invesco Galaxy Bitcoin ETF	71.01	418	917	0.00	Grantor Trust	2024-01-11	Bitcoin	
11	EZBC	Franklin Bitcoin ETF	41.19	343	542	0.00	Grantor Trust	2024-01-11	Bitcoin	
12	BITI	ProShares Short Bitcoin Strategy ETF	7.39	96	13,204	0.95	ETF	2022-06-21	Bitcoin	
13	BTCW	WisdomTree Bitcoin Fund	75.41	81	565	0.00	Grantor Trust	2024-01-11	Bitcoin	
14	BTF	Valkyrie Bitcoin and Ether Strategy ETF	21.16	57	90	1.24	ETF	2021-10-22	Bitcoin	
15	BTFX	Valkyrie Bitcoin Futures Leveraged Strategy ETF	43.24	49	243	1.85	ETF	2024-02-22	Bitcoin	
16	MAXI	Simplify Bitcoin Strategy PLUS Income ETF	30.84	22	31	0.97	ETF	2022-09-30	Bitcoin	
17	ARKA	ARK 21Shares Active Bitcoin Futures Strategy ETF	68.46	22	9	0.70	ETF	2023-11-14	Bitcoin	
18	YBTC	Roundhill Bitcoin Covered Call Strategy ETF	55.16	16	17	0.95	ETF	2024-01-17	Bitcoin	
19	BITC	Bitwise Bitcoin Strategy Optimum Roll ETF	54.65	14	19	0.85	ETF	2023-03-21	Bitcoin	
20	DEFI	Hashdex Bitcoin ETF	81.50	11	18	0.90	LP	2022-09-16	Bitcoin	
21	ARKC	ARK 21Shares Active On-Chain Bitcoin Strategy ETF	43.47	3	5	0.93	ETF	2023-11-15	Bitcoin	
22	EETH	Proshares Ether Strategy ETF	80.68	73	138	0.95	ETF	2023-10-02	Ethereum	
23	EFUT	Vaneck Ethereum Strategy ETF	28.18	31	42	0.66	ETF	2023-10-02	Ethereum	
24	ARKZ	ARK 21Shares Active Ethereum Futures Strategy	42.96	15	17	0.70	ETF	2023-11-14	Ethereum	
25	AETH	Bitwise Ethereum Strategy ETF	47.76	12	18	0.85	ETF	2023-10-02	Ethereum	
26	SETH	ProShares Short Ether Strategy ETF	18.86	2	47	0.95	ETF	2023-11-02	Ethereum	
27	BTOP	Bitwise Bitcoin And Ether Equal Weight Strategy	52.92	11	4	0.85	ETF	2023-10-02	Multi-crypto	
28	BETH	Proshares Bitcoin & Ether Strategy ETF	89.84	8	3	0.95	ETF	2023-10-02	Multi-crypto	
29	BETE	Proshares Bitcoin & Ether Equal Weight Strategy	86.38	6	4	0.95	ETF	2023-10-02	Multi-crypto	
30	ARKY	ARK 21Shares Active Bitcoin Ethereum Strategy ETF	43.64	5	7	1.00	ETF	2023-11-15	Multi-crypto	

Notes

- Exchange Traded Funds are open-ended mutual funds in continuous distribution. This report also includes other Exchange Traded Products such as notes, grantor trusts, limited partnerships, unit investment trusts and exchange-traded receipts.
- In the case of dual-currency ETFs and exchange-traded receipts, this report shows their trading volume and primary unit assets, but excludes the dual-currency units and exchange-traded receipts in the summary figures of total assets and number of funds.

Glossary

Assets: ETF's assets under management, equal to total shares outstanding times the price. Net asset value per unit is used when market price is not available. Assets are quoted in CAD for all Canada-listed ETFs, and quoted in USD for U.S.-listed ETFs.

Dist'n Yld (12-Month Distribution Yield): Sum of all distributions that have gone ex-dividend over the prior 12 months, divided by the current stock price. Value is "NA" if the fund has less than one year of record; value is "-" if the fund has not paid a distribution in the past 12 months.

Div Yld (12-Month Dividend Yield): Sum of all dividends that have gone ex-dividend over the prior 12 months, divided by the current stock price. Value is "NA" if the fund has less than one year of record; value is "-" if the fund has not paid a dividend in the past 12 months.

Duration: The weighted average duration in years.

Inception: Inception date, or the first day that the ETF traded live on a public exchange. If the ETFs have converted from other fund structures, their inception dates are the previous fund's original inception date.

MER (Management Expense Ratio): Manager's 2022 annual fee for managing and administering the fund, expressed as a percentage of total fund value. In most cases this includes fees from investing in other ETFs. Where audited MER is unavailable or if the fee has been significantly reduced recently, the MER is estimated using the Stated Management Fee and sales tax. Canadian MER does not include trading commissions incurred by the ETF, nor does it include trading expenses (such as swap or forward fees). An asterisk (*) indicates that the fund pays additional expenses such as swap or forward fees, which are normally reported under trading expenses, or financing costs due to cash leverage. The asterisk can also indicate that the fund charges a performance fee. A double-asterisk (**) indicates that the fund has a temporary fee reduction, and the figure quoted is after-waiver. Data are sourced from annual filings. U.S. MER includes trading commission internal to the ETF, and is sourced from Bloomberg.

Price: Market price of an ETF. NAV is used when the price is not available. Prices are quoted in CAD for all Canadian-listed ETFs, and quoted in USD for U.S.-listed ETFs.

Volume: 20-day average daily trading volume, expressed as number of shares. Value is "NA" if the fund has less than 20 day of trading.

YTM (Yield to Maturity): The weighted average yield to maturity before ETF's fee.

Equity Factor ETF Categories

We group Equity ETFs into the categories below. Groups follow NBF's discretion and can differ from the ETF Provider's definition and classification from other sources.

Cap-Weighted: A fund that weights securities based on the total or float-adjusted market capitalization of each security.

Dividend/Income: A fund with primary goal of providing income. We classify a fund as belonging to the Income category when its strategy focuses on providing income, or the fund self-identifies as using an income strategy even though it may incorporate other factors in addition to income.

Risk: A fund that aims to achieve reduced portfolio volatility, either by screening for low volatility stocks, low beta stocks and/or minimizing the portfolio volatility.

Value: A fund that invests primarily in the stocks that are considered undervalued using metrics such as price-to-earnings, price-to-book, EV/EBITDA, etc. This category includes RAFI Fundamental.

Growth: A fund that invests primarily in fast-growing stocks using metrics such as earnings growth, sales growth, momentum, etc.

Quality: A fund that invests primarily in high quality stocks using metrics like ROE, debt/equity and earnings growth.

Momentum: A fund that focuses on changes in market price.

Multi-Factor: ETFs that consider more than one NBF-defined factor including Income, Risk, Value, Growth, Quality and Momentum.

Equal-Weight: A fund that assigns equal weighting to all securities in the portfolio.

Other: Any non-cap weighted strategy that is not covered by otherwise defined categories. This includes share buyback, high beta, ESG, proprietary, tactical rotation, price-weighted, etc. U.S.-listed actively managed ETFs that don't fit into other designated categories are grouped under "Other: Actively Managed".

Pure Active: Canada-listed ETFs that are principally managed at the discretion of a portfolio manager. ETFs that use rules-based methodologies are excluded, although these may still be considered "active" if they do not track a publicized index.

Fund Structures

In the case of dual-currency ETFs and exchange-traded receipts, this report shows their trading volume and primary unit assets, but excludes these products in the summary figures of total assets and number of funds. Where applicable, Assets include the sum of assets in both common and advisory class shares. A dagger (†) indicates that the fund is governed by the National Instrument 81-102 Alternative Mutual Fund framework.

Corp Class (Corporate Class ETF): A family of funds that is structured under one corporation, which is viewed as one legal entity for tax purposes.

Corp (Forward): Corporate Class ETFs that have a synthetic structure based on forward contracts or other similar derivatives.

Corp (Swap): Corporate Class ETFs that have a synthetic structure based on swap contracts or other similar derivatives.

ETF (Exchange-Traded Fund): An open-ended mutual fund with units that trade on a stock exchange and are in continuous distribution. Authorized Participants can create or redeem shares in-kind by exchanging creation baskets of underlying securities with the fund provider.

ETF (Forward): ETFs that have a synthetic structure based on forward contracts or other similar derivatives.

ETF (Swap): ETFs that have a synthetic structure based on swap contracts or other similar derivatives.

Note (Exchange-Traded Note): ETNs are debt obligations of the issuer which trade like ETFs. They do not guarantee any return of principal at maturity and do not pay any interest during their term. Their return at

maturity is typically linked to the return of the underlying index (minus expenses). They exhibit credit risk linked to the issuer.

ETR (Exchange-Traded Receipt): ETR represents an undivided, direct benefit interest in physical commodity. Currently the ETRs listed in Canada are for Gold (MNT, MNT/U) and Silver (MNS, MNS/U) in the custody of the Royal Canadian Mint. ETRs are not in continuous distribution; as such, investors who buy or sell in the secondary market may face a premium or discount to NAV similar to closed-end funds.

Grantor Trust: In the context of ETFs, this structure is commonly employed in commodity or currency funds that physically hold the underlying asset in trust on behalf of investors (e.g., IAU, which holds gold bullion).

LP (Limited Partnership): A legal structure in which investors have pro rata interest in the fund's income and expenses. LPs are common among commodity pools, in which underlying securities consist of commodity-related derivatives such as exchange-traded futures contracts.

UIT (Unit Investment Trust): An SEC-registered Investment Company which differs slightly from a 1940 Act Fund. UITs must fully replicate their underlying index and are also restricted from lending out portfolio securities.

Leveraged and Inverse Exchange-Traded Funds are very different from most ETFs. They pursue leveraged investment goals, and they are riskier than alternatives that do not use leverage because they magnify the performance of the benchmark on an investment. These ETFs seek daily leveraged investment results. The return of an inverse or leveraged ETF for periods longer than a single day, especially in periods of market volatility, may be completely uncorrelated to the return of the benchmark over such longer periods. Leveraged and inverse ETFs are intended to be used as short-term trading vehicles for investors managing their portfolios on a daily basis. They are not to be used by, and are not appropriate for, investors who intend to hold positions. In addition, please note Bitcoin and other crypto assets are extremely risky and highly speculative investments.

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