

Appendix A - Schedule 1
(as of July 1, 2021)

Ticker	ETP Name	Exchange
SPY	SPDR S&P 500 ETF Trust	NYSE Arca
QQQ	Invesco QQQ Trust	NASDAQ
IWM	iShares Russell 2000 ETF	NYSE Arca
EEM	iShares MSCI Emerging Markets ETF	NYSE Arca
HYG	iShares iBoxx \$ High Yield Corporate Bond ETF	NYSE Arca
TLT	iShares 20+ Year Treasury Bond ETF	NASDAQ
XLF	Financial Select Sector SPDR Fund	NYSE Arca
LQD	iShares iBoxx \$ Investment Grade Corporate Bond ETF	NYSE Arca
IVV	iShares Core S&P 500 ETF	NYSE Arca
EFA	iShares MSCI EAFE ETF	NYSE Arca
GLD	SPDR Gold Shares	NYSE Arca
XLE	Energy Select Sector SPDR Fund	NYSE Arca
VOO	Vanguard S&P 500 ETF	NYSE Arca
ARKK	ARK Innovation ETF	NYSE Arca
DIA	SPDR Dow Jones Industrial Average ETF Trust	NYSE Arca
XLI	Industrial Select Sector SPDR Fund	NYSE Arca
EWZ	iShares MSCI Brazil ETF	NYSE Arca
XLV	Health Care Select Sector SPDR Fund	NYSE Arca
XLK	Technology Select Sector SPDR Fund	NYSE Arca
SMH	VanEck Vectors Semiconductor ETF	NASDAQ
JNK	SPDR Bloomberg Barclays High Yield Bond ETF	NYSE Arca
XBI	SPDR S&P BIOTECH ETF	NYSE Arca
VXX	iPath Series B S&P 500 VIX Short-Term Futures ETN	Cboe BZX
VTI	Vanguard Total Stock Market ETF	NYSE Arca
FXI	iShares China Large-Cap ETF	NYSE Arca
IEF	iShares 7-10 Year Treasury Bond ETF	NASDAQ
SLV	iShares Silver Trust	NYSE Arca
XLP	Consumer Staples Select Sector SPDR Fund	NYSE Arca
GDX	VanEck Vectors Gold Miners ETF	NYSE Arca
XLU	Utilities Select Sector SPDR Fund	NYSE Arca
IEMG	iShares Core MSCI Emerging Markets ETF	NYSE Arca
IYR	iShares U.S. Real Estate ETF	NYSE Arca
AGG	iShares Core U.S. Aggregate Bond ETF	NYSE Arca
XLY	Consumer Discretionary Select Sector SPDR Fund	NYSE Arca
IEFA	iShares Core MSCI EAFE ETF	Cboe BZX
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	NYSE Arca
XLB	Materials Select Sector SPDR Fund	NYSE Arca

Ticker	ETP Name	Exchange
KRE	SPDR S&P Regional Banking ETF	NYSE Arca
IBB	iShares Biotechnology ETF	NASDAQ
VWO	Vanguard FTSE Emerging Markets ETF	NYSE Arca
SOXX	iShares Semiconductor ETF	NASDAQ
BND	Vanguard Total Bond Market ETF	NASDAQ
IJR	iShares Core S&P Small Cap ETF	NYSE Arca
EMB	iShares JP Morgan USD Emerging Markets Bond ETF	NASDAQ
MDY	SPDR S&P Midcap 400 ETF Trust	NYSE Arca
VEA	Vanguard FTSE Developed Markets ETF	NYSE Arca
EWJ	iShares MSCI Japan ETF	NYSE Arca
ARKG	ARK Genomic Revolution ETF	Cboe BZX
IWD	iShares Russell 1000 Value ETF	NYSE Arca
VNQ	Vanguard Real Estate ETF	NYSE Arca
VTV	Vanguard Value ETF	NYSE Arca
IAU	iShares Gold Trust	NYSE Arca
IGV	iShares Expanded Tech-Software Sector ETF	Cboe BZX
RSP	Invesco S&P 500 Equal Weight ETF	NYSE Arca
TIP	iShares TIPS Bond ETF	NYSE Arca
GDXJ	VanEck Vectors Junior Gold Miners ETF	NYSE Arca
IWF	iShares Russell 1000 Growth ETF	NYSE Arca
EWY	iShares MSCI South Korea ETF	NYSE Arca
IJH	iShares Core S&P Mid-Cap ETF	NYSE Arca
VCIT	Vanguard Intermediate-Term Corporate Bond ETF	NASDAQ
ACWI	iShares MSCI ACWI ETF	NASDAQ
XLC	Communication Services Select Sector SPDR Fund	NYSE Arca
MCHI	iShares MSCI China ETF	NASDAQ
XRT	SPDR S&P Retail ETF	NYSE Arca
IWN	iShares Russell 2000 Value ETF	NYSE Arca
USMV	iShares MSCI USA Min Vol Factor ETF	Cboe BZX
VGK	Vanguard FTSE Europe ETF	NYSE Arca
VCSH	Vanguard Short-Term Corporate Bond ETF	NASDAQ
ARKW	ARK Next Generation Internet ETF	NYSE Arca
USO	United States Oil Fund LP	NYSE Arca
SHY	iShares 1-3 Year Treasury Bond ETF	NASDAQ
VUG	Vanguard Growth ETF	NYSE Arca
KWEB	KraneShares CSI China Internet ETF	NYSE Arca
EWT	iShares MSCI Taiwan ETF	NYSE Arca
SVXY	ProShares Short VIX Short-Term Futures ETF	Cboe BZX
VXUS	Vanguard Total International Stock ETF	NASDAQ

Ticker	ETP Name	Exchange
SHV	iShares Short Treasury Bond ETF	NASDAQ
XME	SPDR S&P Metals & Mining ETF	NYSE Arca
VIG	Vanguard Dividend Appreciation ETF	NYSE Arca
MTUM	iShares MSCI USA Momentum Factor ETF	Cboe BZX
TAN	Invesco Solar ETF	NYSE Arca
BSV	Vanguard Short-Term Bond ETF	NYSE Arca
SPLV	Invesco S&P 500 Low Volatility ETF	NYSE Arca
ICLN	iShares Global Clean Energy ETF	NASDAQ
EZU	iShares MSCI Eurozone ETF	Cboe BZX
ITB	iShares U.S. Home Construction ETF	Cboe BZX
VT	Vanguard Total World Stock ETF	NYSE Arca
VGT	Vanguard Information Technology ETF	NYSE Arca
XLRE	Real Estate Select Sector SPDR Fund	NYSE Arca
IWO	iShares Russell 2000 Growth ETF	NYSE Arca
PFF	iShares Preferred & Income Securities ETF	NASDAQ
MBB	iShares MBS ETF	NASDAQ
VYM	Vanguard High Dividend Yield Index ETF	NYSE Arca
EFV	iShares MSCI EAFE Value ETF	Cboe BZX
IGSB	iShares 1-5 Year Investment Grade Corporate Bond ETF	NASDAQ
SH	ProShares Short S&P500	NYSE Arca
BNDX	Vanguard Total International Bond ETF	NASDAQ
VEU	Vanguard FTSE All-World ex-US Index Fund	NYSE Arca
IEI	iShares 3-7 Year Treasury Bond ETF	NASDAQ
KBE	SPDR S&P Bank ETF	NYSE Arca
INDA	iShares MSCI India ETF	Cboe BZX
VB	Vanguard Small-Cap ETF	NYSE Arca
OIH	VanEck Vectors Oil Services ETF	NYSE Arca
XHB	SPDR S&P Homebuilders ETF	NYSE Arca
BKLN	Invesco Senior Loan ETF	NYSE Arca
ITOT	iShares Core S&P Total U.S. Stock Market ETF	NYSE Arca
MUB	iShares National Muni Bond ETF	NYSE Arca
GOVT	iShares U.S. Treasury Bond ETF	Cboe BZX
IWB	iShares Russell 1000 ETF	NYSE Arca
SCHD	Schwab US Dividend Equity ETF	NYSE Arca
IVW	iShares S&P 500 Growth ETF	NYSE Arca
JPST	JPMorgan Ultra-Short Income ETF	Cboe BZX
IVE	iShares S&P 500 Value ETF	NYSE Arca
VLUE	iShares MSCI USA Value Factor ETF	Cboe BZX
VO	Vanguard Mid-Cap ETF	NYSE Arca

Ticker	ETP Name	Exchange
EWB	iShares MSCI Hong Kong ETF	NYSE Arca
QUAL	iShares MSCI USA Quality Factor ETF	Cboe BZX
SCZ	iShares MSCI EAFE Small-Cap ETF	NASDAQ
JETS	U.S. Global Jets ETF	NYSE Arca
SJNK	SPDR Bloomberg Barclays Short Term High Yield Bond ETF	NYSE Arca
ARKF	ARK Fintech Innovation ETF	NYSE Arca
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	NYSE Arca
SCHP	Schwab US TIPS ETF	NYSE Arca
RSX	VanEck Vectors Russia ETF	Cboe BZX
SPLG	SPDR Portfolio S&P 500 ETF	NYSE Arca
HYLB	Xtrackers USD High Yield Corporate Bond ETF	NYSE Arca
SPYV	SPDR Portfolio S&P 500 Value ETF	NYSE Arca
IUSB	iShares Core Total USD Bond Market ETF	NASDAQ
BIL	SPDR Bloomberg Barclays 1-3 Month T-Bill ETF	NYSE Arca
VCLT	Vanguard Long-Term Corporate Bond ETF	NASDAQ
BIV	Vanguard Intermediate-Term Bond ETF	NYSE Arca
EWC	iShares MSCI Canada ETF	NYSE Arca
IXUS	iShares Core MSCI Total International Stock ETF	NASDAQ
EWG	iShares MSCI Germany ETF	NYSE Arca
MINT	PIMCO Enhanced Short Maturity Active ETF	NYSE Arca
SCHF	Schwab International Equity ETF	NYSE Arca
IWP	iShares Russell Mid-Cap Growth ETF	NYSE Arca
EWJ	iShares MSCI Mexico ETF	NYSE Arca
VIXY	ProShares VIX Short-Term Futures ETF	Cboe BZX
EWU	iShares MSCI United Kingdom ETF	NYSE Arca
VGSH	Vanguard Short-Term Treasury ETF	NASDAQ
AAXJ	iShares MSCI All Country Asia ex Japan ETF	NASDAQ
IWR	iShares Russell Midcap ETF	NYSE Arca
SPYG	SPDR Portfolio S&P 500 Growth ETF	NYSE Arca
SPIB	SPDR Portfolio Intermediate Term Corporate Bond ETF	NYSE Arca
IGIB	iShares 5-10 Year Investment Grade Corporate Bond ETF	NASDAQ
VTIP	Vanguard Short-Term Inflation-Protected Securities ETF	NASDAQ
VBR	Vanguard Small Cap Value ETF	NYSE Arca
DGRO	iShares Core Dividend Growth ETF	NYSE Arca
ESGU	iShares ESG Aware MSCI USA ETF	NASDAQ
ARKQ	ARK Autonomous Technology & Robotics ETF	Cboe BZX
SPTL	SPDR Portfolio Long Term Treasury ETF	NYSE Arca
CWB	SPDR Bloomberg Barclays Convertible Securities ETF	NYSE Arca
PSQ	ProShares Short QQQ	NYSE Arca

Ticker	ETP Name	Exchange
USHY	iShares Broad USD High Yield Corporate Bond ETF	Cboe BZX
AMLP	Alerian MLP ETF	NYSE Arca
ESGE	iShares ESG Aware MSCI EM ETF	NASDAQ
DVY	iShares Select Dividend ETF	NASDAQ
PBW	Invesco WilderHill Clean Energy ETF	NYSE Arca
EWA	iShares MSCI Australia ETF	NYSE Arca
VXF	Vanguard Extended Market ETF	NYSE Arca
SHYG	iShares 0-5 Year High Yield Corporate Bond ETF	NYSE Arca
FDN	First Trust Dow Jones Internet Index Fund	NYSE Arca
SCHX	Schwab U.S. Large-Cap ETF	NYSE Arca
ACWX	iShares MSCI ACWI ex U.S. ETF	NASDAQ
VDE	Vanguard Energy ETF	NYSE Arca
IYE	iShares U.S. Energy ETF	NYSE Arca
VMBS	Vanguard Mortgage-Backed Securities ETF	NASDAQ
VTEB	Vanguard Tax-Exempt Bond ETF	NYSE Arca
IHI	iShares U.S. Medical Devices ETF	NYSE Arca
IJS	iShares S&P Small-Cap 600 Value ETF	NYSE Arca
FEZ	SPDR EURO STOXX 50 ETF	NYSE Arca
SRLN	SPDR Blackstone Senior Loan ETF	NYSE Arca
IWS	iShares Russell Mid-Cap Value ETF	NYSE Arca
LIT	Global X Lithium & Battery Tech ETF	NYSE Arca
USIG	iShares Broad USD Investment Grade Corporate Bond ETF	NASDAQ
KBWB	Invesco KBW Bank ETF	NASDAQ
ANGL	VanEck Vectors Fallen Angel High Yield Bond ETF	NASDAQ
SPEM	SPDR Portfolio Emerging Markets ETF	NYSE Arca
SPDW	SPDR Portfolio Developed World ex-US ETF	NYSE Arca
PDBC	Invesco Optimum Yield Diversified Commodity Strategy No K-1 ETF	NASDAQ
VGIT	Vanguard Intermediate-Term Treasury ETF	NASDAQ
VGLT	Vanguard Long-Term Treasury ETF	NASDAQ
VBK	Vanguard Small-Cap Growth ETF	NYSE Arca
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	NYSE Arca
SCHA	Schwab U.S. Small-Cap ETF	NYSE Arca
SDY	SPDR S&P Dividend ETF	NYSE Arca
PSLV	Sprott Physical Silver Trust	NYSE Arca
EFAV	iShares MSCI EAFE Min Vol Factor ETF	Cboe BZX
VTWO	Vanguard Russell 2000 ETF	NASDAQ
SPHB	Invesco S&P 500 High Beta ETF	NYSE Arca
BBEU	JPMorgan BetaBuilders Europe ETF	Cboe BZX
SCHO	Schwab Short-Term US Treasury ETF	NYSE Arca

Ticker	ETP Name	Exchange
EMLC	VanEck Vectors J.P. Morgan EM Local Currency Bond ETF	NYSE Arca
EFG	iShares MSCI EAFE Growth ETF	Cboe BZX
SCHG	Schwab U.S. Large-Cap Growth ETF	NYSE Arca
VPL	Vanguard FTSE Pacific ETF	NYSE Arca
VFH	Vanguard Financials ETF	NYSE Arca
DBC	Invesco DB Commodity Index Tracking Fund	NYSE Arca
IYW	iShares U.S. Technology ETF	NYSE Arca
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	NASDAQ
SCHE	Schwab Emerging Markets Equity ETF	NYSE Arca
VHT	Vanguard Health Care ETF	NYSE Arca
SCHB	Schwab U.S. Broad Market ETF	NYSE Arca
RPV	Invesco S&P 500 Pure Value ETF	NYSE Arca
SPLB	SPDR Portfolio Long Term Corporate Bond ETF	NYSE Arca
SPSB	SPDR Portfolio Short Term Corporate Bond ETF	NYSE Arca
MJ	ETFMG Alternative Harvest ETF	NYSE Arca
PGX	Invesco Preferred ETF	NYSE Arca
IYT	iShares Transportation Average ETF	Cboe BZX
BLV	Vanguard Long-Term Bond ETF	NYSE Arca
LMBS	First Trust Low Duration Opportunities ETF	NASDAQ
ILF	iShares Latin America 40 ETF	NYSE Arca
XSOE	WisdomTree Emerging Markets ex-State-Owned Enterprises Fund	NYSE Arca
VOE	Vanguard Mid-Cap Value ETF	NYSE Arca
IGLB	iShares 10+ Year Investment Grade Corporate Bond ETF	NYSE Arca
MGK	Vanguard Mega Cap Growth ETF	NYSE Arca
IVOL	Quadratic Interest Rate Volatility & Inflation Hedge ETF	NYSE Arca
BLOK	Amplify Transformational Data Sharing ETF	NYSE Arca
VSS	Vanguard FTSE All-World ex-US Small-Cap ETF	NYSE Arca
FLOT	iShares Floating Rate Bond ETF	Cboe BZX
SPAB	SPDR Portfolio Aggregate Bond ETF	NYSE Arca
VV	Vanguard Large-Cap ETF	NYSE Arca
STIP	iShares 0-5 Year TIPS Bond ETF	NYSE Arca
PAVE	Global X U.S. Infrastructure Development ETF	Cboe BZX
EWL	iShares MSCI Switzerland ETF	NYSE Arca
IJJ	iShares S&P Mid-Cap 400 Value ETF	NYSE Arca
SPMD	SPDR Portfolio S&P 400 Mid Cap ETF	NYSE Arca
OEF	iShares S&P 100 ETF	NYSE Arca
SCHZ	Schwab US Aggregate Bond ETF	NYSE Arca
GLDM	SPDR Gold MiniShares Trust	NYSE Arca
FVD	First Trust Value Line Dividend Index Fund	NYSE Arca

Ticker	ETP Name	Exchange
ICSH	BlackRock Ultra Short-Term Bond ETF	Cboe BZX
IYF	iShares U.S. Financials ETF	NYSE Arca
SKYY	First Trust Cloud Computing ETF	NASDAQ
BBJP	JPMorgan BetaBuilders Japan ETF	Cboe BZX
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	Cboe BZX
MSOS	AdvisorShares Pure US Cannabis ETF	NYSE Arca
IUSG	iShares Core S&P U.S. Growth ETF	NASDAQ
RWM	ProShares Short Russell2000	NYSE Arca
IUSV	iShares Core S&P US Value ETF	NASDAQ
PEJ	Invesco Dynamic Leisure & Entertainment ETF	NYSE Arca
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Equity ETF	NYSE Arca
RDVY	First Trust Rising Dividend Achievers ETF	NASDAQ
QYLD	Global X NASDAQ 100 Covered Call ETF	NASDAQ
ICVT	iShares Convertible Bond ETF	Cboe BZX
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	NYSE Arca
VOTE	Engine No. 1 Transform 500 ETF	Cboe BZX
FIXD	First Trust TCW Opportunistic Fixed Income ETF	NASDAQ
IJT	iShares S&P Small-Cap 600 Growth ETF	NASDAQ
IWV	iShares Russell 3000 ETF	NYSE Arca
FTSM	First Trust Enhanced Short Maturity ETF	NASDAQ
EDV	Vanguard Extended Duration Treasury ETF	NYSE Arca
EWI	iShares MSCI Italy ETF	NYSE Arca
VONV	Vanguard Russell 1000 Value ETF	NASDAQ
SCHR	Schwab Intermediate-Term US Treasury ETF	NYSE Arca
SCHV	Schwab U.S. Large-Cap Value ETF	NYSE Arca
UNG	United States Natural Gas Fund LP	NYSE Arca
VCR	Vanguard Consumer Discretionary ETF	NYSE Arca
HYD	VanEck Vectors High Yield Muni ETF	Cboe BZX
VIS	Vanguard Industrials ETF	NYSE Arca
FPE	First Trust Preferred Securities & Income ETF	NYSE Arca
IEUR	iShares Core MSCI Europe ETF	NYSE Arca
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	NASDAQ
IXC	iShares Global Energy ETF	NYSE Arca
ISTB	iShares Core 1-5 Year USD Bond ETF	NASDAQ
IXN	iShares Global Tech ETF	NYSE Arca
FTEC	Fidelity MSCI Information Technology Index ETF	NYSE Arca
GUNR	FlexShares Morningstar Global Upstream Natural Resources Index Fund	NYSE Arca
NEAR	BlackRock Short Maturity Bond ETF	Cboe BZX

Ticker	ETP Name	Exchange
VPU	Vanguard Utilities ETF	NYSE Arca
FALN	iShares Fallen Angels USD Bond ETF	NASDAQ
SLYV	SPDR S&P 600 Small Cap Value ETF	NYSE Arca
VOT	Vanguard Mid-Cap Growth ETF	NYSE Arca
HDV	iShares Core High Dividend ETF	NYSE Arca
IXG	iShares Global Financials ETF	NYSE Arca
EUFN	iShares MSCI Europe Financials ETF	NASDAQ
DOG	ProShares Short Dow30	NYSE Arca
EWQ	iShares MSCI France ETF	NYSE Arca
HYS	PIMCO 0-5 Year High Yield Corporate Bond Index ETF	NYSE Arca
ESGD	iShares ESG Aware MSCI EAFE ETF	NASDAQ
FTCS	First Trust Capital Strength ETF	NASDAQ
SPSM	SPDR Portfolio S&P 600 Small Cap ETF	NYSE Arca
VAW	Vanguard Materials ETF	NYSE Arca
CLOU	Global X Cloud Computing ETF	NASDAQ
SPTS	SPDR Portfolio Short Term Treasury ETF	NYSE Arca
ACWV	iShares MSCI Global Min Vol Factor ETF	Cboe BZX
AIA	iShares Asia 50 ETF	NASDAQ
SPIP	SPDR Portfolio TIPS ETF	NYSE Arca
SILJ	ETFMG Prime Junior Silver Miners ETF	NYSE Arca
PCY	Invesco Emerging Markets Sovereign Debt ETF	NYSE Arca
COPX	Global X Copper Miners ETF	NYSE Arca
PHYS	Sprott Physical Gold Trust	NYSE Arca
BOTZ	Global X Robotics & Artificial Intelligence ETF	NASDAQ
VONG	Vanguard Russell 1000 Growth ETF	NASDAQ
SUB	iShares Short-Term National Muni Bond ETF	NYSE Arca
MDYV	SPDR S&P 400 Mid Cap Value ETF	NYSE Arca
IBUY	Amplify Online Retail ETF	NYSE Arca
MOAT	VanEck Vectors Morningstar Wide Moat ETF	Cboe BZX
CIBR	First Trust NASDAQ Cybersecurity ETF	NASDAQ
VOOG	Vanguard S&P 500 Growth ETF	NYSE Arca
ARKX	ARK Space Exploration & Innovation ETF	Cboe BZX
SPTI	SPDR Portfolio Intermediate Term Treasury ETF	NYSE Arca
GSY	Invesco Ultra Short Duration ETF	NYSE Arca
IDV	iShares International Select Dividend ETF	Cboe BZX
UUP	Invesco DB US Dollar Index Bullish Fund	NYSE Arca
CQQQ	Invesco China Technology ETF	NYSE Arca
VWOB	Vanguard Emerging Markets Government Bond ETF	NASDAQ
EPI	WisdomTree India Earnings Fund	NYSE Arca

Ticker	ETP Name	Exchange
FNDE	Schwab Fundamental Emerging Markets Large Co. Index ETF	NYSE Arca
SIL	Global X Silver Miners ETF	NYSE Arca
TBF	Proshares Short 20+ Year Treasury	NYSE Arca
SPMB	SPDR Portfolio Mortgage Backed Bond ETF	NYSE Arca
SGOL	Aberdeen Standard Physical Gold Shares ETF	NYSE Arca
IQLT	iShares MSCI Intl Quality Factor ETF	NYSE Arca
SCHM	Schwab U.S. Mid-Cap ETF	NYSE Arca
REMX	VanEck Vectors Rare Earth/Strategic Metals ETF	NYSE Arca
BOND	PIMCO Active Bond ETF	NYSE Arca
IJK	iShares S&P Mid-Cap 400 Growth ETF	NYSE Arca
IPO	Renaissance IPO ETF	NYSE Arca
LCTU	BlackRock U.S. Carbon Transition Readiness ETF	NYSE Arca
DBA	Invesco DB Agriculture Fund	NYSE Arca
VDC	Vanguard Consumer Staples ETF	NYSE Arca
EWP	iShares MSCI Spain ETF	NYSE Arca
XSD	SPDR S&P Semiconductor ETF	NYSE Arca
QQQJ	Invesco NASDAQ Next Gen 100 ETF	NASDAQ
WCLD	WisdomTree Cloud Computing Fund	NASDAQ
SIVR	Aberdeen Standard Physical Silver Shares ETF	NYSE Arca
FNDF	Schwab Fundamental International Large Co. Index ETF	NYSE Arca
DXJ	WisdomTree Japan Hedged Equity Fund	NYSE Arca
GBIL	Goldman Sachs Access Treasury 0-1 Year ETF	NYSE Arca
VUSB	Vanguard Ultra-Short Bond ETF	Cboe BZX
FTSL	First Trust Senior Loan Fund	NASDAQ
EPP	iShares MSCI Pacific ex-Japan ETF	NYSE Arca
TLH	iShares 10-20 Year Treasury Bond ETF	NYSE Arca
REM	iShares Mortgage Real Estate ETF	Cboe BZX
SCHH	Schwab U.S. REIT ETF	NYSE Arca
VNLA	Janus Henderson Short Duration Income ETF	NYSE Arca
GSG	iShares S&P GSCI Commodity Indexed Trust	NYSE Arca
TFI	SPDR Nuveen Bloomberg Barclays Municipal Bond ETF	NYSE Arca
ITA	iShares U.S. Aerospace & Defense ETF	Cboe BZX
SUSA	iShares MSCI USA ESG Select ETF	NYSE Arca
ESGV	Vanguard ESG U.S. Stock ETF	Cboe BZX
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	Cboe BZX
EMQQ	Emerging Markets Internet & Ecommerce ETF	NYSE Arca
KOMP	SPDR S&P Kensho New Economies Composite ETF	NYSE Arca
JEPI	JPMorgan Equity Premium Income ETF	NYSE Arca
VOX	Vanguard Communication Services ETF	NYSE Arca

Ticker	ETP Name	Exchange
PPLT	Aberdeen Standard Physical Platinum Shares ETF	NYSE Arca
PICK	iShares MSCI Global Metals & Mining Producers ETF	Cboe BZX
COMT	iShares U.S. ETF Trust iShares GSCI Commodity Dynamic Roll Strategy ETF	NASDAQ
PRNT	3D Printing ETF	Cboe BZX
ONEQ	Fidelity Nasdaq Composite Index ETF	NASDAQ
FNDX	Schwab Fundamental US Large Co. Index ETF	NYSE Arca
PKW	Invesco Buyback Achievers ETF	NASDAQ
SHM	SPDR Nuveen Bloomberg Barclays Short Term Municipal Bond ETF	NYSE Arca
FXR	First Trust Industrials/Producer Durables AlphaDEX Fund	NYSE Arca
DRIV	Global X Autonomous & Electric Vehicles ETF	NASDAQ
SPHQ	Invesco S&P 500 Quality ETF	NYSE Arca
REET	iShares Global REIT ETF	NYSE Arca
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	NYSE Arca
JMST	JPMorgan Ultra-Short Municipal Income ETF	Cboe BZX
EZA	iShares MSCI South Africa ETF	NYSE Arca
SPTM	SPDR Portfolio S&P 1500 Composite Stock Market ETF	NYSE Arca
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	Cboe BZX
DGRW	WisdomTree US Quality Dividend Growth Fund	NASDAQ
VNQI	Vanguard Global ex-U.S. Real Estate ETF	NASDAQ
PFFD	Global X U.S. Preferred ETF	NYSE Arca
IWY	iShares Russell Top 200 Growth ETF	NYSE Arca
FCG	First Trust Natural Gas ETF	NYSE Arca
MGV	Vanguard Mega Cap Value ETF	NYSE Arca
PBUS	Invesco PureBeta MSCI USA ETF	Cboe BZX
SLQD	iShares 0-5 Year Investment Grade Corporate Bond ETF	NASDAQ
IYG	iShares US Financial Services ETF	NYSE Arca
IAGG	iShares Core International Aggregate Bond ETF	Cboe BZX
URA	Global X Uranium ETF	NYSE Arca
EWS	iShares MSCI Singapore ETF	NYSE Arca
IYM	iShares U.S. Basic Materials ETF	NYSE Arca
KIE	SPDR S&P Insurance ETF	NYSE Arca
FPXI	First Trust International Equity Opportunities ETF	NASDAQ
MOON	Direxion Moonshot Innovators ETF	NYSE Arca
DFAC	Dimensional U.S. Core Equity 2 ETF	NYSE Arca
QQQM	Invesco NASDAQ 100 ETF	NASDAQ
TOTL	SPDR DoubleLine Total Return Tactical ETF	NYSE Arca
VOOV	Vanguard S&P 500 Value ETF	NYSE Arca
IDEV	iShares Core MSCI International Developed Markets ETF	NYSE Arca

Ticker	ETP Name	Exchange
BUZZ	VanEck Vectors Social Sentiment ETF	NYSE Arca
FLRN	SPDR Bloomberg Barclays Investment Grade Floating Rate ETF	NYSE Arca
FTGC	First Trust Global Tactical Commodity Strategy Fund	NASDAQ
PRF	Invesco FTSE RAFI US 1000 ETF	NYSE Arca
BNO	United States Brent Oil Fund LP	NYSE Arca
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	NASDAQ
IWC	iShares Micro-Cap ETF	NYSE Arca
QLTA	iShares Aaa-A Rated Corporate Bond ETF	NYSE Arca
HYLS	First Trust Tactical High Yield ETF	NASDAQ
IGF	iShares Global Infrastructure ETF	NASDAQ
VIGI	Vanguard International Dividend Appreciation ETF	NASDAQ
ECH	iShares MSCI Chile ETF	Cboe BZX
VYMI	Vanguard International High Dividend Yield ETF	NASDAQ
VIOV	Vanguard S&P Small-Cap 600 Value ETF	NYSE Arca
IGM	iShares Expanded Tech Sector ETF	NYSE Arca
RCD	Invesco S&P 500 Equal Weight Consumer Discretionary ETF	NYSE Arca
RWR	SPDR Dow Jones REIT ETF	NYSE Arca
MGC	Vanguard Mega Cap ETF	NYSE Arca
GNR	SPDR S&P Global Natural Resources ETF	NYSE Arca
FBND	Fidelity Total Bond ETF	NYSE Arca
FNCL	Fidelity MSCI Financials Index ETF	NYSE Arca
JAGG	JPMorgan U.S. Aggregate Bond ETF	NYSE Arca
SPDN	Direxion Daily S&P 500 Bear 1X Shares	NYSE Arca
FENY	Fidelity MSCI Energy Index ETF	NYSE Arca
CHIQ	Global X MSCI China Consumer Discretionary ETF	NYSE Arca
IAT	iShares U.S. Regional Banks ETF	NYSE Arca
FPX	First Trust US Equity Opportunities ETF	NYSE Arca
XT	iShares Exponential Technologies ETF	NASDAQ
MDYG	SPDR S&P 400 Mid Cap Growth ETF	NYSE Arca
EIDO	iShares MSCI Indonesia ETF	NYSE Arca
GXC	SPDR S&P China ETF	NYSE Arca
FXL	First Trust Technology AlphaDEX Fund	NYSE Arca
HACK	ETFMG Prime Cyber Security ETF	NYSE Arca
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	NYSE Arca
SCHC	Schwab International Small-Cap Equity ETF	NYSE Arca
FXO	First Trust Financials AlphaDEX Fund	NYSE Arca
VONE	Vanguard Russell 1000 ETF	NASDAQ
GSIE	Goldman Sachs ActiveBeta International Equity ETF	NYSE Arca
BAB	Invesco Taxable Municipal Bond ETF	NYSE Arca

Ticker	ETP Name	Exchange
CEF	Sprott Physical Gold and Silver Trust	NYSE Arca
ACES	ALPS Clean Energy ETF	NYSE Arca
GVI	iShares Intermediate Government/Credit Bond ETF	Cboe BZX
FNDA	Schwab Fundamental US Small Co. Index ETF	NYSE Arca
BWX	SPDR Bloomberg Barclays International Treasury Bond ETF	NYSE Arca
FBT	First Trust NYSE Arca Arca Biotechnology Index Fund	NYSE Arca
IVLU	iShares MSCI Intl Value Factor ETF	NYSE Arca
FINX	Global X FinTech ETF	NASDAQ
IMCG	iShares Morningstar Mid-Cap Growth ETF	NYSE Arca
XSLV	Invesco S&P SmallCap Low Volatility ETF	NYSE Arca
AMJ	J.P. Morgan Alerian MLP Index ETN	NYSE Arca
DSI	iShares MSCI KLD 400 Social ETF	NYSE Arca
XLG	Invesco S&P 500 Top 50 ETF	NYSE Arca
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	NYSE Arca
MOO	VanEck Vectors Agribusiness ETF	NYSE Arca
HEFA	iShares Currency Hedged MSCI EAFE ETF	Cboe BZX
AGZ	iShares Agency Bond ETF	NYSE Arca
SLYG	SPDR S&P 600 Small Cap Growth ETF	NYSE Arca
URTH	iShares MSCI World ETF	NYSE Arca
GEM	Goldman Sachs ActiveBeta Emerging Markets Equity ETF	NYSE Arca
ROBO	ROBO Global Robotics & Automation Index ETF	NYSE Arca
HYEM	VanEck Vectors Emerging Markets High Yield Bond ETF	NYSE Arca
HYMB	SPDR Nuveen Bloomberg Barclays High Yield Municipal Bond ETF	NYSE Arca
USFR	WisdomTree Floating Rate Treasury Fund	NYSE Arca
YOLO	AdvisorShares Pure Cannabis ETF	NYSE Arca
IGOV	iShares International Treasury Bond ETF	NASDAQ
XAR	SPDR S&P Aerospace & Defense ETF	NYSE Arca
RYT	Invesco S&P 500 Equal Weight Technology ETF	NYSE Arca
KSA	iShares MSCI Saudi Arabia ETF	NYSE Arca
EWM	iShares MSCI Malaysia ETF	NYSE Arca
IYJ	iShares U.S. Industrials ETF	Cboe BZX
BSCL	Invesco BulletShares 2021 Corporate Bond ETF	NASDAQ
IEV	iShares Europe ETF	NYSE Arca
LCTD	BlackRock World ex U.S. Carbon Transition Readiness ETF	NYSE Arca
LTPZ	PIMCO 15+ Year US TIPS Index ETF	NYSE Arca
PZA	Invesco National AMT-Free Municipal Bond ETF	NYSE Arca
IXJ	iShares Global Healthcare ETF	NYSE Arca
PULS	PGIM Ultra Short Bond ETF	NYSE Arca
VSGX	Vanguard ESG International Stock ETF	Cboe BZX

Ticker	ETP Name	Exchange
RPG	Invesco S&P 500 Pure Growth ETF	NYSE Arca
XMLV	Invesco S&P MidCap Low Volatility ETF	NYSE Arca
BETZ	Roundhill Sports Betting & iGaming ETF	NYSE Arca
VTWV	Vanguard Russell 2000 Value ETF	NASDAQ
XTN	SPDR S&P Transportation ETF	NYSE Arca
TUR	iShares MSCI Turkey ETF	NASDAQ
IHF	iShares U.S. Healthcare Providers ETF	NYSE Arca
ONLN	ProShares Online Retail ETF	NYSE Arca
FMB	First Trust Managed Municipal ETF	NASDAQ
SIZE	iShares MSCI USA Size Factor ETF	NYSE Arca
AAAU	Goldman Sachs Physical Gold ETF	NYSE Arca
HEDJ	WisdomTree Europe Hedged Equity Fund	NYSE Arca
SLY	SPDR S&P 600 Small Cap ETF	NYSE Arca
VRP	Invesco Variable Rate Preferred ETF	NYSE Arca
MLPA	Global X MLP ETF	NYSE Arca
POTX	Global X Cannabis ETF	NASDAQ
IEZ	iShares U.S. Oil Equipment & Services ETF	NYSE Arca
AWAY	ETFMG Travel Tech ETF	NYSE Arca
DEM	WisdomTree Emerging Markets High Dividend Fund	NYSE Arca
HERO	Global X Video Games & Esports ETF	NASDAQ
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	NYSE Arca
DBO	Invesco DB Oil Fund	NYSE Arca
OGIG	O'Shares Global Internet Giants ETF	Cboe BZX
EMLP	First Trust North American Energy Infrastructure Fund	NYSE Arca
BBIN	JPMorgan BetaBuilders International Equity ETF	Cboe BZX
IPAY	ETFMG Prime Mobile Payments ETF	NYSE Arca
EBND	SPDR Bloomberg Barclays Emerging Markets Local Bond ETF	NYSE Arca
IYH	iShares U.S. Healthcare ETF	NYSE Arca
HNDL	Strategy Shares Nasdaq 7HANDL Index ETF	NASDAQ
DON	WisdomTree U.S. MidCap Dividend Fund	NYSE Arca
STPZ	PIMCO 1-5 Year US TIPS Index ETF	NYSE Arca
PSK	SPDR ICE Preferred Securities ETF	NYSE Arca
FXE	Invesco CurrencyShares Euro Trust	NYSE Arca
ESPO	VanEck Vectors Video Gaming & eSports ETF	NASDAQ
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	Cboe BZX
PDP	Invesco DWA Momentum ETF	NASDAQ
EWD	iShares MSCI Sweden ETF	NYSE Arca
VIOO	Vanguard S&P Small-Cap 600 ETF	NYSE Arca
FHLC	Fidelity MSCI Health Care Index ETF	NYSE Arca

Ticker	ETP Name	Exchange
BSCM	Invesco BulletShares 2022 Corporate Bond ETF	NASDAQ
AVUV	Avantis U.S. Small Cap Value ETF	NYSE Arca
EXI	iShares Global Industrials ETF	NYSE Arca
EEMA	iShares MSCI Emerging Markets Asia ETF	NASDAQ
JPHY	JPMORGAN HIGH YIELD RESEARCH ENHANCED ETF	Cboe BZX
QQEW	First Trust Nasdaq-100 Equal Weighted Index Fund	NASDAQ
THD	iShares MSCI Thailand ETF	NYSE Arca
BBCA	JPMorgan BetaBuilders Canada ETF	Cboe BZX
IZRL	ARK Israel Innovative Technology ETF	Cboe BZX
EAGG	iShares ESG Aware US Aggregate Bond ETF	NYSE Arca
FREL	Fidelity MSCI Real Estate Index ETF	NYSE Arca
JHMM	John Hancock Multifactor Mid Cap ETF	NYSE Arca
SCHK	Schwab 1000 Index ETF	NYSE Arca
INFL	Horizon Kinetics Inflation Beneficiaries ETF	NYSE Arca
VTWG	Vanguard Russell 2000 Growth ETF	NASDAQ
LDUR	PIMCO Enhanced Low Duration Active ETF	NYSE Arca
PTBD	Pacer Trendpilot US Bond ETF	NYSE Arca
ISCG	iShares Morningstar Small-Cap Growth ETF	NYSE Arca
FXD	First Trust Consumer Discretionary AlphaDEX Fund	NYSE Arca
USRT	iShares Core U.S. REIT ETF	NYSE Arca
IYC	iShares U.S. Consumer Services ETF	NYSE Arca
SHUS	Syntax Stratified U.S. Total Market Hedged ETF	NYSE Arca
CPER	United States Copper Index Fund	NYSE Arca
RWX	SPDR Dow Jones International Real Estate ETF	NYSE Arca
DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	NYSE Arca
PSI	Invesco Dynamic Semiconductors ETF	NYSE Arca
BSCN	Invesco Bulletshares 2023 Corporate Bond ETF	NASDAQ
BSJN	Invesco BulletShares 2023 High Yield Corporate Bond ETF	NASDAQ
AGGY	WisdomTree Yield Enhanced U.S. Aggregate Bond Fund	NYSE Arca
FIVG	Defiance Next Gen Connectivity ETF	NYSE Arca
PTH	Invesco DWA Healthcare Momentum ETF	NASDAQ
DES	WisdomTree U.S. SmallCap Dividend Fund	NYSE Arca
PGF	Invesco Financial Preferred ETF	NYSE Arca
URNM	NorthShore Global Uranium Mining ETF	NYSE Arca
DLN	WisdomTree U.S. LargeCap Dividend Fund	NYSE Arca
PALL	Aberdeen Standard Physical Palladium Shares ETF	NYSE Arca
ICF	iShares Cohen & Steers REIT ETF	Cboe BZX
EWN	iShares MSCI Netherlands ETF	NYSE Arca
HEZU	iShares Currency Hedged MSCI Eurozone ETF	NYSE Arca

Ticker	ETP Name	Exchange
AVUS	Avantis U.S. Equity ETF	NYSE Arca
MDEV	First Trust Indxx Medical Devices ETF	Cboe BZX
NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	NYSE Arca
BDRY	Breakwave Dry Bulk Shipping ETF	NYSE Arca
EMXC	iShares MSCI Emerging Markets ex China ETF	NASDAQ
ZROZ	PIMCO 25+ Year Zero Coupon US Treasury Index ETF	NYSE Arca
IFRA	iShares U.S. Infrastructure ETF	Cboe BZX
DFAT	Dimensional U.S. Targeted Value ETF	NYSE Arca
VTC	Vanguard Total Corporate Bond ETF	NASDAQ
AOM	iShares Core Moderate Allocation ETF	NYSE Arca
RWJ	Invesco S&P SmallCap 600 Revenue ETF	NYSE Arca
MXI	iShares Global Materials ETF	NYSE Arca
CNRG	SPDR S&P Kensho Clean Power ETF	NYSE Arca
CWI	SPDR MSCI ACWI ex-US ETF	NYSE Arca
BAR	GraniteShares Gold Shares	NYSE Arca
SUSC	iShares ESG Aware USD Corporate Bond ETF	NASDAQ
CORN	Teucrium Corn Fund	NYSE Arca
FUTY	Fidelity MSCI Utilities Index ETF	NYSE Arca
AOR	iShares Core Growth Allocation ETF	NYSE Arca
KRBN	KraneShares Global Carbon ETF	NYSE Arca
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	NYSE Arca
IYZ	iShares U.S. Telecommunications ETF	Cboe BZX
ILCG	iShares Morningstar Growth ETF	NYSE Arca
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	Cboe BZX
XSW	SPDR S&P Software & Services ETF	NYSE Arca
DFAU	Dimensional US Core Equity Market ETF	NYSE Arca
BSJM	Invesco BulletShares 2022 High Yield Corporate Bond ETF	NASDAQ
SDIV	Global X Superdividend ETF	NYSE Arca
BUG	Global X Cybersecurity ETF	NASDAQ
KBA	KraneShares Bosera MSCI China A Share ETF	NYSE Arca
PXH	Invesco FTSE RAFI Emerging Markets ETF	NYSE Arca
SUSB	iShares ESG Aware 1-5 Year USD Corporate Bond ETF	NASDAQ
SLX	VanEck Vectors Steel ETF	NYSE Arca
XES	SPDR S&P Oil & Gas Equipment & Services ETF	NYSE Arca
PBD	Invesco Global Clean Energy ETF	NYSE Arca
FNDC	Schwab Fundamental International Small Co. Index ETF	NYSE Arca
PHB	Invesco Fundamental High Yield Corporate Bond ETF	NYSE Arca
EDOC	Global X Telemedicine & Digital Health ETF	NASDAQ
PPH	VanEck Vectors Pharmaceutical ETF	NASDAQ

Ticker	ETP Name	Exchange
SCHJ	Schwab 1-5 Year Corporate Bond ETF	NYSE Arca
CMF	iShares California Muni Bond ETF	NYSE Arca
BSJL	Invesco Bulletshares 2021 High Yield Corporate Bond ETF	NASDAQ
FXH	First Trust Health Care AlphaDEX Fund	NYSE Arca
ERUS	iShares MSCI Russia ETF	NYSE Arca
FMAT	Fidelity MSCI Materials Index ETF	NYSE Arca
SCHI	Schwab 5-10 Year Corporate Bond ETF	NYSE Arca
FDL	First Trust Morningstar Dividend Leaders Index Fund	NYSE Arca
LEMB	iShares J.P. Morgan EM Local Currency Bond ETF	NYSE Arca
BSJP	Invesco BulletShares 2025 High Yield Corporate Bond ETF	NASDAQ
SPGP	Invesco S&P 500 GARP ETF	NYSE Arca
IBDM	iShares iBonds Dec 2021 Term Corporate ETF	NYSE Arca
IGE	iShares North American Natural Resources ETF	Cboe BZX
IGHG	ProShares Investment Grade-Interest Rate Hedged	Cboe BZX
WOOD	iShares Global Timber & Forestry ETF	NASDAQ
FAN	First Trust Global Wind Energy ETF	NYSE Arca
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	Cboe BZX
IOO	iShares Global 100 ETF	NYSE Arca
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES INDEX ETF	NYSE Arca
FYX	First Trust Small Cap Core AlphaDEX Fund	NASDAQ
ITM	VanEck Vectors Intermediate Muni ETF	Cboe BZX
DIAL	Columbia Diversified Fixed Income Allocation ETF	NYSE Arca
FIDU	Fidelity MSCI Industrial Index ETF	NYSE Arca
SPCX	SPAC and New Issue ETF	NYSE Arca
DBB	Invesco DB Base Metals Fund	NYSE Arca
BSCO	Invesco BulletShares 2024 Corporate Bond ETF	NASDAQ
TAIL	Cambria Tail Risk ETF	Cboe BZX
FLQL	Franklin LibertyQ U.S. Equity ETF	Cboe BZX
HAIL	SPDR S&P Kensho Smart Mobility ETF	NYSE Arca
IBDO	iShares iBonds Dec 2023 Term Corporate ETF	NYSE Arca
GTO	Invesco Total Return Bond ETF	NYSE Arca
JHML	John Hancock Multifactor Large Cap ETF	NYSE Arca
RTM	Invesco S&P 500 Equal Weight Materials ETF	NYSE Arca
RWO	SPDR Dow Jones Global Real Estate ETF	NYSE Arca
XMMO	Invesco S&P MidCap Momentum ETF	NYSE Arca
SWAN	Amplify BlackSwan Growth & Treasury Core ETF	NYSE Arca
IBDN	iShares iBonds Dec 2022 Term Corporate ETF	NYSE Arca
GSEW	Goldman Sachs Equal Weight U.S. Large Cap Equity ETF	Cboe BZX
CNBS	Amplify Seymour Cannabis ETF	NYSE Arca

Ticker	ETP Name	Exchange
IHAK	iShares Cybersecurity & Tech ETF	NYSE Arca
IYK	iShares U.S. Consumer Goods ETF	NYSE Arca
GLTR	Aberdeen Standard Physical Precious Metals Basket Shares ETF	NYSE Arca
COWZ	Pacer US Cash Cows 100 ETF	Cboe BZX
IWL	iShares Russell Top 200 ETF	NYSE Arca
VNM	VanEck Vectors Vietnam ETF	Cboe BZX
BSJO	Invesco BulletShares 2024 High Yield Corporate Bond ETF	NASDAQ
EOPS	Emles Alpha Opportunities ETF	Cboe BZX
FXZ	First Trust Materials AlphaDEX Fund	NYSE Arca
AOK	iShares Core Conservative Allocation ETF	NYSE Arca
PSCE	Invesco S&P SmallCap Energy ETF	NASDAQ
IWX	iShares Russell Top 200 Value ETF	NYSE Arca
PTLC	Pacer Trendpilot US Large Cap ETF	Cboe BZX
PNQI	Invesco NASDAQ Internet ETF	NASDAQ
PTF	Invesco DWA Technology Momentum ETF	NASDAQ
IDRV	iShares Self-driving EV & Tech ETF	NYSE Arca
HEWJ	iShares Currency Hedged MSCI Japan ETF	NYSE Arca
CNYA	iShares MSCI China A ETF	Cboe BZX
FV	First Trust Dorsey Wright Focus 5 ETF	NASDAQ
IDU	iShares U.S. Utilities ETF	NYSE Arca
DVYE	iShares Emerging Markets Dividend ETF	NYSE Arca
ESML	iShares ESG Aware MSCI USA Small-Cap ETF	Cboe BZX
AVDV	Avantis International Small Cap Value ETF	NYSE Arca
FLTR	VanEck Vectors Investment Grade Floating Rate ETF	NYSE Arca
OUNZ	VanEck Merk Gold Trust	NYSE Arca
DJP	iPath Bloomberg Commodity Index Total Return ETN	NYSE Arca
JMBS	Janus Henderson Mortgage-Backed Securities ETF	NYSE Arca
THCX	Cannabis ETF	NYSE Arca
FXF	Invesco CurrencyShares Swiss Franc Trust	NYSE Arca
IYY	iShares Dow Jones U.S. ETF	NYSE Arca
SOCL	Global X Social Media ETF	NASDAQ
RING	iShares MSCI Global Gold Miners ETF	NASDAQ
BBMC	JPMorgan BetaBuilders U.S. Mid Cap Equity ETF	NYSE Arca
PHO	Invesco Water Resources ETF	NASDAQ
GBF	iShares Government/Credit Bond ETF	NYSE Arca
FXN	First Trust Energy AlphaDEX Fund	NYSE Arca
SLVO	Credit Suisse X-Links Silver Shares Covered Call ETN	NASDAQ
FBCG	Fidelity Blue Chip Growth ETF	Cboe BZX
AVEM	Avantis Emerging Markets Equity ETF	NYSE Arca

Ticker	ETP Name	Exchange
FCOM	Fidelity MSCI Communication Services Index ETF	NYSE Arca
SUSL	iShares ESG MSCI USA Leaders ETF	NASDAQ
BSJQ	Invesco BulletShares 2026 High Yield Corp Bond ETF	NASDAQ
SCHQ	Schwab Long-Term U.S. Treasury ETF	NYSE Arca
FXC	Invesco CurrencyShares Canadian Dollar Trust	NYSE Arca
RGI	Invesco S&P 500 Equal Weight Industrials ETF	NYSE Arca
FTXR	First Trust Nasdaq Transportation ETF	NASDAQ
DWAS	Invesco DWA SmallCap Momentum ETF	NASDAQ
NUAG	Nuveen Enhanced Yield U.S. Aggregate Bond ETF	NYSE Arca
RPAR	RPAR Risk Parity ETF	NYSE Arca
CMBS	iShares CMBS ETF	NYSE Arca
FCVT	First Trust SSI Strategic Convertible Securities ETF	NASDAQ
JVAL	JPMorgan U.S. Value Factor ETF	NYSE Arca
BSCP	Invesco Bulletshares 2025 Corporate Bond ETF	NASDAQ
FTC	First Trust Large Cap Growth AlphaDEX Fund	NASDAQ
NUSC	Nuveen ESG Small-Cap ETF	Cboe BZX
FYC	First Trust Small Cap Growth AlphaDEX Fund	NASDAQ
NULG	Nuveen ESG Large-Cap Growth ETF	Cboe BZX
CORP	PIMCO Investment Grade Corporate Bond Index ETF	NYSE Arca
MLPX	Global X MLP & Energy Infrastructure ETF	NYSE Arca
DIVO	Amplify CWP Enhanced Dividend Income ETF	NYSE Arca
IVOO	Vanguard S&P Mid-Cap 400 ETF	NYSE Arca
NULV	Nuveen ESG Large-Cap Value ETF	Cboe BZX
FLCB	Franklin Liberty U.S. Core Bond ETF	NYSE Arca
TDDT	FlexShares iBoxx 3 Year Target Duration TIPS Index Fund	NYSE Arca
XITK	SPDR FactSet Innovative Technology ETF	NYSE Arca
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	NYSE Arca
ILTB	iShares Core 10+ Year USD Bond ETF	NYSE Arca
RTH	VanEck Vectors Retail ETF	NASDAQ
IVOV	Vanguard S&P Mid-Cap 400 Value ETF	NYSE Arca
PRFZ	Invesco FTSE RAFI US 1500 Small-Mid ETF	NASDAQ
SLVP	iShares MSCI Global Silver Miners ETF	Cboe BZX
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	NASDAQ
PSJ	Invesco Dynamic Software ETF	NYSE Arca
DIV	Global X SuperDividend US ETF	NYSE Arca
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	NASDAQ
KURE	KraneShares MSCI All China Health Care Index ETF	NYSE Arca
IBDP	iShares iBonds Dec 2024 Term Corporate ETF	NYSE Arca
KBWY	Invesco KBW Premium Yield Equity REIT ETF	NASDAQ

Ticker	ETP Name	Exchange
SYLD	Cambria Shareholder Yield ETF	Cboe BZX
LRGF	iShares MSCI USA Multifactor ETF	NYSE Arca
X SVM	Invesco S&P SmallCap Value with Momentum ETF	NYSE Arca
IDLV	Invesco S&P International Developed Low Volatility ETF	NYSE Arca
FTA	First Trust Large Cap Value AlphaDEX Fund	NASDAQ
RZV	Invesco S&P Smallcap 600 Pure Value ETF	NYSE Arca
FIW	First Trust Water ETF	NYSE Arca
AOA	iShares Core Aggressive Allocation ETF	NYSE Arca
XHE	SPDR S&P Health Care Equipment ETF	NYSE Arca
ERTH	Invesco MSCI Sustainable Future ETF	NYSE Arca
FNX	First Trust Mid Cap Core AlphaDEX Fund	NASDAQ
BATT	Amplify Lithium & Battery Technology ETF	NYSE Arca
PEY	Invesco High Yield Equity Dividend Achievers ETF	NASDAQ
KGRN	KraneShares MSCI China Clean Technology Index ETF	NYSE Arca
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	NYSE Arca
NUSI	Nationwide Risk-Managed Income ETF	NYSE Arca
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Markets Equity ETF	NYSE Arca
SMMV	iShares MSCI USA Small-Cap Min Vol Factor ETF	Cboe BZX
FFTY	Innovator IBD 50 ETF	NYSE Arca
SPYX	SPDR S&P 500 Fossil Fuel Reserves Free ETF	NYSE Arca
PSC	Principal U.S. Small-Cap Multi-Factor ETF	NASDAQ
SRET	Global X SuperDividend REIT ETF	NASDAQ
IBDR	iShares iBonds Dec 2026 Term Corporate ETF	NYSE Arca
FXV	Invesco CurrencyShares Japanese Yen Trust	NYSE Arca
CEMB	iShares J.P. Morgan EM Corporate Bond ETF	Cboe BZX
IMTM	iShares MSCI Intl Momentum Factor ETF	NYSE Arca
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	NYSE Arca
NXTG	First Trust Indxx NextG ETF	NASDAQ
VTHR	Vanguard Russell 3000 ETF	NASDAQ
XNTK	SPDR NYSE Arca Technology ETF	NYSE Arca
SGOV	iShares 0-3 Month Treasury Bond ETF	NYSE Arca
FDVV	Fidelity High Dividend ETF	NYSE Arca
SMDV	ProShares Russell 2000 Dividend Growers ETF	Cboe BZX
GMF	SPDR S&P Emerging Asia Pacific ETF	NYSE Arca
FLT B	Fidelity Limited Term Bond ETF	NYSE Arca
EMHY	iShares J.P. Morgan EM High Yield Bond ETF	Cboe BZX
EMHC	SPDR Bloomberg Barclays Emerging Markets USD Bond ETF	NYSE Arca
EPOL	iShares MSCI Poland ETF	NYSE Arca
PFXF	VanEck Vectors Preferred Securities ex Financials ETF	NYSE Arca

Ticker	ETP Name	Exchange
PRN	Invesco DWA Industrials Momentum ETF	NASDAQ
RYF	Invesco S&P 500 Equal Weight Financials ETF	NYSE Arca
RNRG	Global X Funds Global X Renewable Energy Producers ETF	NASDAQ
CALF	Pacer US Small Cap Cash Cows 100 ETF	Cboe BZX
BITQ	Bitwise Crypto Industry Innovators ETF	NYSE Arca
DRSK	Aptus Defined Risk ETF	Cboe BZX
FNY	First Trust Mid Cap Growth AlphaDEX Fund	NASDAQ
GWX	SPDR S&P International Small Cap ETF	NYSE Arca
NANR	SPDR S&P North American Natural Resources ETF	NYSE Arca
QEFA	SPDR MSCI EAFE StrategicFactors ETF	NYSE Arca
SPGM	SPDR Portfolio MSCI Global Stock Market ETF	NYSE Arca
INTF	iShares MSCI Intl Multifactor ETF	NYSE Arca
GIGB	Goldman Sachs Access Investment Grade Corporate Bond ETF	NYSE Arca
FEM	First Trust Emerging Markets AlphaDEX Fund	NASDAQ
QAI	IQ Hedge Multi-Strategy Tracker ETF	NYSE Arca
PFIX	Simplify Interest Rate Hedge ETF	NYSE Arca
JPIN	J.P. Morgan Diversified Return International Equity ETF	NYSE Arca
SPHY	SPDR Portfolio High Yield Bond ETF	NYSE Arca
PLW	Invesco 1-30 Laddered Treasury ETF	NASDAQ
IHDG	WisdomTree International Hedged Quality Dividend Growth Fund	NYSE Arca
IBDQ	iShares iBonds Dec 2025 Term Corporate ETF	NYSE Arca
HTRB	Hartford Total Return Bond ETF	NYSE Arca
TIPX	SPDR Bloomberg Barclays 1-10 Year TIPS ETF	NYSE Arca
SPBC	Simplify US Equity PLUS GBTC ETF	NASDAQ
SMLF	iShares MSCI USA Small-Cap Multifactor ETF	NYSE Arca
DFAI	Dimensional International Core Equity Market ETF	NYSE Arca
FLJP	Franklin FTSE Japan ETF	NYSE Arca
FTSD	Franklin Liberty Short Duration U.S. Government ETF	NYSE Arca
AVDE	Avantis International Equity ETF	NYSE Arca
DFUS	Dimensional U.S. Equity ETF	NYSE Arca
BCI	Aberdeen Standard Bloomberg All Commodity Strategy K-1 Free ETF	NYSE Arca
QUS	SPDR MSCI USA StrategicFactors ETF	NYSE Arca
SMIN	iShares MSCI India Small Cap ETF	Cboe BZX
CTEC	Global X CleanTech ETF	NASDAQ
DLS	WisdomTree International SmallCap Dividend Fund	NYSE Arca
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	NYSE Arca
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	NYSE Arca
PCEF	Invesco CEF Income Composite ETF	NYSE Arca
TDIV	First Trust NASDAQ Technology Dividend Index Fund	NASDAQ

Ticker	ETP Name	Exchange
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	NASDAQ
PAWZ	ProShares Pet Care ETF	Cboe BZX
YYY	Amplify High Income ETF	NYSE Arca
REZ	iShares Residential and Multisector Real Estate ETF	NYSE Arca
EQAL	Invesco Russell 1000 Equal Weight ETF	NYSE Arca
IDNA	iShares Genomics Immunology and Healthcare ETF Genomics Immunology and Healthcare Fund	NYSE Arca
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Cboe BZX
DHS	WisdomTree U.S. High Dividend Fund	NYSE Arca
BBUS	JP Morgan Betabuilders U.S. Equity ETF	Cboe BZX
MMIN	IQ MacKay Municipal Insured ETF	NYSE Arca
RYE	Invesco S&P 500 Equal Weight Energy ETF	NYSE Arca
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	NYSE Arca
CLTL	Invesco Treasury Collateral Etf	NYSE Arca
SPAK	Defiance Next Gen SPAC Derived ETF	NYSE Arca
HYDW	Xtrackers Low Beta High Yield Bond ETF	NYSE Arca
IPAC	iShares Core MSCI Pacific ETF	NYSE Arca
CRBN	iShares MSCI ACWI Low Carbon Target ETF	NYSE Arca
VIOG	Vanguard S&P Small-Cap 600 Growth ETF	NYSE Arca
GNOM	Global X Genomics & Biotechnology ETF	NASDAQ
MNA	IQ Merger Arbitrage ETF	NYSE Arca
SMMU	PIMCO Short Term Municipal Bond Active ETF	NYSE Arca
SNPE	Xtrackers S&P 500 ESG ETF	NYSE Arca
GOVZ	iShares 25+ Year Treasury STRIPS Bond ETF	Cboe BZX
EES	WisdomTree U.S. SmallCap Fund	NYSE Arca
AMZA	InfraCap MLP ETF	NYSE Arca
DFAS	Dimensional U.S. Small Cap ETF	NYSE Arca
UITB	VictoryShares USAA Core Intermediate-Term Bond ETF	NYSE Arca
BNDW	Vanguard Total World Bond ETF	NASDAQ
CGW	Invesco S&P Global Water Index ETF	NYSE Arca
PGJ	Invesco Golden Dragon China ETF	NASDAQ
FEX	First Trust Large Cap Core AlphaDEX Fund	NASDAQ
GAMR	Wedbush ETFMG Video Game Tech ETF	NYSE Arca
XPH	SPDR S&P Pharmaceuticals ETF	NYSE Arca
MORT	VanEck Vectors Mortgage REIT Income ETF	NYSE Arca
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	NASDAQ
VRIG	Invesco Variable Rate Investment Grade ETF	NASDAQ
WEAT	Teucrium Wheat Fund	NYSE Arca
LQDH	iShares Interest Rate Hedged Corporate Bond ETF	NYSE Arca

Ticker	ETP Name	Exchange
GNMA	iShares GNMA Bond ETF	NASDAQ
KOKU	Xtrackers MSCI Kokusai Equity ETF	NYSE Arca
KBWD	Invesco KBW High Dividend Yield Financial ETF	NASDAQ
JO	iPath Series B Bloomberg Coffee Subindex Total Return ETN	NYSE Arca
FEMB	First Trust Emerging Markets Local Currency Bond ETF	NASDAQ
XTL	SPDR S&P Telecom ETF	NYSE Arca
PHDG	Invesco S&P 500 Downside Hedged ETF	NYSE Arca
RDIV	Invesco S&P Ultra Dividend Revenue ETF	NYSE Arca
SNSR	Global X Internet of Things ETF	NASDAQ
UFO	Procure Space ETF	NASDAQ
EMGF	iShares MSCI Emerging Markets Multifactor ETF	Cboe BZX
BIZD	VanEck Vectors BDC Income ETF	NYSE Arca
UCON	First Trust TCW Unconstrained Plus Bond ETF	NYSE Arca
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	NYSE Arca
VIXM	ProShares VIX Mid-Term Futures ETF	Cboe BZX
ITEQ	BlueStar Israel Technology ETF	NYSE Arca
SECT	Main Sector Rotation ETF	Cboe BZX
FTXO	First Trust Nasdaq Bank ETF	NASDAQ
SOYB	Teucrium Soybean Fund	NYSE Arca
DFEB	FT Cboe Vest U.S. Equity Deep Buffer ETF - February	Cboe BZX
PXI	Invesco DWA Energy Momentum ETF	NASDAQ
TFLO	iShares Treasury Floating Rate Bond ETF	NYSE Arca
WIP	SPDR FTSE International Government Inflation-Protected Bond ETF	NYSE Arca
FYT	First Trust Small Cap Value AlphaDEX Fund	NASDAQ
EPHE	iShares MSCI Philippines ETF	NYSE Arca
PTNQ	Pacer Trendpilot 100 ETF	Cboe BZX
SPBO	SPDR Portfolio Corporate Bond ETF	NYSE Arca
SDG	iShares MSCI Global Impact ETF	NASDAQ
UGA	United States Gasoline Fund LP	NYSE Arca
DAPR	FT Cboe Vest U.S. Equity Deep Buffer ETF - April	Cboe BZX
MUNI	PIMCO Intermediate Municipal Bond Active ETF	NYSE Arca
FAPR	FT Cboe Vest U.S. Equity Buffer ETF - April	Cboe BZX
TDSC	Cabana Target Drawdown 10 ETF	NYSE Arca
BSCQ	Invesco BulletShares 2026 Corporate Bond ETF	NASDAQ
ULST	SPDR SSGA Ultra Short Term Bond ETF	NYSE Arca
PAPR	Innovator S&P 500 Power Buffer ETF April	Cboe BZX
PFM	Invesco Dividend Achievers ETF	NASDAQ
KXI	iShares Global Consumer Staples ETF	NYSE Arca
INDY	iShares India 50 ETF	NASDAQ

Ticker	ETP Name	Exchange
RYLD	Global X Russell 2000 Covered Call ETF	Cboe BZX
HTEC	ROBO Global Healthcare Technology and Innovation ETF	NYSE Arca
RWK	Invesco S&P MidCap 400 Revenue ETF	NYSE Arca
SDOG	ALPS Sector Dividend Dogs ETF	NYSE Arca
TPYP	Tortoise North American Pipeline Fund	NYSE Arca
RWL	Invesco S&P 500 Revenue ETF	NYSE Arca
XMVM	Invesco S&P MidCap Value with Momentum ETF	NYSE Arca
PJAN	Innovator S&P 500 Power Buffer ETF - January	Cboe BZX
RAVI	FlexShares Ready Access Variable Income Fund	NYSE Arca
FCOR	Fidelity Corporate Bond ETF	NYSE Arca
EPU	iShares MSCI Peru ETF	NYSE Arca
EWX	SPDR S&P Emerging Markets Small Cap ETF	NYSE Arca
FLBR	Franklin FTSE Brazil ETF	NYSE Arca
JQUA	JPMorgan U.S. Quality Factor ETF	NYSE Arca
SMOG	VanEck Vectors Low Carbon Energy ETF	NYSE Arca
OUSA	OShares U.S. Quality Dividend ETF	Cboe BZX
VFVA	Vanguard U.S. Value Factor ETF	Cboe BZX
EUSB	iShares ESG Advanced Total USD Bond Market ETF	NYSE Arca
PXF	Invesco FTSE RAFI Developed Markets ex-U.S. ETF	NYSE Arca
FFEB	FT Cboe Vest U.S. Equity Buffer ETF - February	Cboe BZX
BJK	VanEck Vectors Gaming ETF	NASDAQ
GSSC	Goldman Sachs Activebeta U.S. Small Cap Equity ETF	NYSE Arca
USOI	Credit Suisse X-Links Crude Oil Shares Covered Call ETN	NASDAQ
KSTR	KraneShares SSE STAR Market 50 Index ETF	NYSE Arca
PKB	Invesco Dynamic Building & Construction ETF	NYSE Arca
BBH	VanEck Vectors Biotech ETF	NASDAQ
FEP	First Trust Europe AlphaDEX Fund	NASDAQ
FNI	First Trust Chindia ETF	NYSE Arca
ENZL	iShares MSCI New Zealand ETF	NASDAQ
EBIZ	Global X E-Commerce ETF	NASDAQ
QDF	FlexShares Quality Dividend Index Fund	NYSE Arca
RXI	iShares Global Consumer Discretionary ETF	NYSE Arca
JHSC	John Hancock Multifactor Small Cap ETF	NYSE Arca
PSCD	Invesco S&P SmallCap Consumer Discretionary ETF	NASDAQ
EZM	WisdomTree U.S. MidCap Fund	NYSE Arca
DFAE	Dimensional Emerging Core Equity Market ETF	NYSE Arca
JPEM	J.P. Morgan Diversified Return Emerging Markets Equity ETF	NYSE Arca
USCI	United States Commodity Index Fund	NYSE Arca
KBWP	Invesco KBW Property & Casualty Insurance ETF	NASDAQ

Ticker	ETP Name	Exchange
AIRR	First Trust RBA American Industrial Renaissance ETF	NASDAQ
IGBH	iShares Interest Rate Hedged Long-Term Corporate Bond ETF	NYSE Arca
SHYD	VanEck Vectors Short High Yield Muni ETF	Cboe BZX
UDN	Invesco DB US Dollar Index Bearish Fund	NYSE Arca
PMAY	Innovator S&P 500 Power Buffer ETF - May	Cboe BZX
PYZ	Invesco DWA Basic Materials Momentum ETF	NASDAQ
TILT	FlexShares Morningstar US Market Factor Tilt Index Fund	Cboe BZX
DJD	Invesco Dow Jones Industrial Average Dividend ETF	NYSE Arca
EDEN	iShares MSCI Denmark ETF	Cboe BZX
PPA	Invesco Aerospace & Defense ETF	NYSE Arca
IEUS	iShares MSCI Europe Small-Cap ETF	NASDAQ
FDG	American Century Focused Dynamic Growth ETF	Cboe BZX
SMMD	iShares Russell 2500 ETF	Cboe BZX
SCHY	Schwab International Dividend Equity ETF	NYSE Arca
FVAL	Fidelity Value Factor ETF	NYSE Arca
USMC	Principal U.S. Mega-Cap ETF	NASDAQ
PXUS	Principal International Adaptive Multi-Factor ETF	Cboe BZX
BKLC	BNY Mellon US Large Cap Core Equity ETF	NYSE Arca
GSST	Goldman Sachs Access Ultra Short Bond ETF	Cboe BZX
ECNS	iShares MSCI China Small-Cap ETF	NYSE Arca
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	NYSE Arca
QJUN	FT Cboe Vest Growth-100 Buffer ETF - June	Cboe BZX
CLIX	ProShares Long Online/Short Stores ETF	NYSE Arca
SPD	Simplify US Equity PLUS Downside Convexity ETF	NYSE Arca
PSCH	Invesco S&P SmallCap Health Care ETF	NASDAQ
MEAR	BlackRock Short Maturity Municipal Bond ETF	Cboe BZX
DSTL	Distillate US Fundamental Stability & Value ETF	NYSE Arca
NTSX	WisdomTree U.S. Efficient Core Fund	NYSE Arca
EEMS	iShares MSCI Emerging Markets Small Cap ETF	NYSE Arca
FGD	First Trust Dow Jones Global Select Dividend Index Fund	NYSE Arca
SVAL	iShares US Small Cap Value Factor ETF	Cboe BZX
FXB	Invesco CurrencyShares British Pound Sterling Trust	NYSE Arca
USL	United States 12 Month Oil Fund LP	NYSE Arca
HEWG	iShares Currency Hedged MSCI Germany ETF	NASDAQ
AGZD	WisdomTree Interest Rate Hedged U.S. Aggregate Bond Fund	NASDAQ
TDTF	FlexShares iBoxx 5 Year Target Duration TIPS Index Fund	NYSE Arca
XMHQ	Invesco S&P MidCap Quality ETF	NYSE Arca
FDRR	Fidelity Dividend ETF for Rising Rates	NYSE Arca
RFV	Invesco S&P Midcap 400 Pure Value ETF	NYSE Arca

Ticker	ETP Name	Exchange
PREF	Principal Spectrum Preferred Secs Active ETF	NYSE Arca
COM	Direxion Auspice Broad Commodity Strategy ETF	NYSE Arca
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	NYSE Arca
DUDE	Merlyn.AI SectorSurfer Momentum ETF	Cboe BZX
IVOG	Vanguard S&P Mid-Cap 400 Growth ETF	NYSE Arca
FDHY	Fidelity High Yield Factor ETF	NYSE Arca
LVHD	Legg Mason Low Volatility High Dividend ETF	NASDAQ
FXA	Invesco CurrencyShares Australian Dollar Trust	NYSE Arca
PEZ	Invesco DWA Consumer Cyclical Momentum ETF	NASDAQ
DWX	SPDR S&P International Dividend ETF	NYSE Arca
FDLO	Fidelity Low Volatility Factor ETF	NYSE Arca
SPEU	SPDR Portfolio Europe ETF	NYSE Arca
PJUN	Innovator S&P 500 Power Buffer ETF - June	Cboe BZX
CSB	VictoryShares US Small Cap High Dividend Volatility Wtd ETF	NASDAQ
GII	SPDR S&P Global Infrastructure ETF	NYSE Arca
GINN	Goldman Sachs ETF Trust Goldman Sachs Innovate Equity ETF	NYSE Arca
IBND	SPDR Bloomberg Barclays International Corporate Bond ETF	NYSE Arca
FLCO	Franklin Liberty Investment Grade Corporate ETF	NYSE Arca
DTD	WisdomTree U.S. Total Dividend Fund	NYSE Arca