

# Investments Options With WealthCare Saver HSA

## Fund Lineup Summary

### Managed

The Managed path is comprised of a series of risk-based models that are matched to a specific account holder's risk profile and/or age. Model portfolios are managed by CAPTRUST, the registered investment advisor, and based on criteria that are risk-based and target a certain percentage of equities, fixed income, cash equivalents, and other asset classes. Under the management of CAPTRUST, the model portfolio and its underlying investment holdings will be re-balanced, re-allocated, and/or the underlying investment holdings may change based on capital market factors and other investment decisions.

### Self-Directed

The Self-Directed path is comprised of Exchange Traded Funds (ETFs) spanning multiple asset classes that were carefully curated by CAPTRUST, the registered investment advisor. Investors in this path choose how to allocate their invested balance across the available options, and they can update their allocations at any time. CAPTRUST actively monitors the available options, ensuring that investors have the opportunity to build a well-diversified portfolio using a broad set of index ETFs. The number of options available was intentionally chosen to provide broad value while also maximizing and empowering consumer choice.

### Brokerage

The Brokerage path is comprised of S&P 500 Index stocks and over 1,000 of the largest ETFs in the market. With the Brokerage option, fractional trading up to 8 decimal points is offered enabling ownership of high-value investments like Amazon, Apple, or Berkshire Hathaway for as little as a penny.

***Read on for a summary of each of the funds.***

# Self-Directed Fund Lineup

## CAPTRUST Recommended Matrix

Ticker	Name	Link	Morningstar Category	Prospectus Net Expense Ratio	YTD Return	1-Year Return	3-Year Return	5-Year Return	10-Year Return	Return Since Inception	12 Mo Yield
<b>Global Equities</b>											
VT	Vanguard Total World Stock ETF	<a href="#">Link</a>	US Fund Global Large-Stock Blend	0.07%	10.39%	18.52%	5.03%	10.66%	8.48%	7.52%	1.96
<b>US Equities</b>											
VTI	Vanguard Total Stock Market ETF	<a href="#">Link</a>	US Fund Large Blend	0.03%	13.58%	23.20%	7.91%	14.05%	12.09%	8.69%	1.37
<b>S&amp;P 500</b>											
IVV	iShares Core S&P 500 ETF	<a href="#">Link</a>	US Fund Large Blend	0.03%	15.27%	24.53%	9.97%	15.00%	12.81%	7.60%	1.31
<b>Completion</b>											
VXF	Vanguard Extended Market ETF	<a href="#">Link</a>	US Fund Mid-Cap Blend	0.06%	3.31%	14.97%	-2.46%	8.68%	8.24%	9.29%	1.28
<b>Value</b>											
VTV	Vanguard Value ETF	<a href="#">Link</a>	US Fund Large Value	0.04%	8.74%	15.85%	8.00%	10.48%	9.87%	8.68%	2.46
<b>Growth</b>											
VUG	Vanguard Growth ETF	<a href="#">Link</a>	US Fund Large Growth	0.04%	20.51%	32.79%	9.90%	18.77%	15.33%	11.49%	0.50
<b>ACWI ex US</b>											
IXUS	iShares Core MSCI Total Intl Stk ETF	<a href="#">Link</a>	US Fund Foreign Large Blend	0.07%	5.37%	11.15%	0.26%	5.69%	4.04%	5.53%	3.07
<b>Developed Non-US</b>											
VEA	Vanguard FTSE Developed Markets ETF	<a href="#">Link</a>	US Fund Foreign Large Blend	0.06%	4.41%	10.63%	1.82%	6.54%	4.52%	3.01%	3.38
<b>Emerging Markets</b>											
VWO	Vanguard FTSE Emerging Markets ETF	<a href="#">Link</a>	US Fund Diversified Emerging Mkts	0.08%	7.33%	11.95%	-3.65%	3.81%	3.04%	5.62%	3.19
<b>Global Bond</b>											
BNDW	Vanguard Total World Bond ETF	<a href="#">Link</a>	US Fund Global Bond-USD Hedged	0.05%	-0.54%	3.41%	-2.49%	-0.28%	-	1.02%	4.03
<b>US AGG</b>											
AGG	iShares Core US Aggregate Bond ETF	<a href="#">Link</a>	US Fund Intermediate Core Bond	0.03%	-0.62%	2.61%	-3.02%	-0.26%	1.31%	2.98%	3.44
<b>International Bond</b>											
BNDX	Vanguard Total International Bond ETF	<a href="#">Link</a>	US Fund Global Bond-USD Hedged	0.07%	-0.51%	4.43%	-1.96%	-0.37%	1.94%	2.13%	4.72
<b>Short Term Bonds</b>											
BSV	Vanguard Short-Term Bond ETF	<a href="#">Link</a>	US Fund Short-Term Bond	0.04%	0.96%	4.61%	-0.22%	1.00%	1.36%	2.28%	2.92
VGSH	Vanguard Short-Term Treasury ETF	<a href="#">Link</a>	US Fund Short Government	0.04%	1.17%	4.48%	0.30%	0.99%	1.07%	1.02%	3.87

Performance statistics as of June 30, 2024

## Brokerage Stock Investments List

**Stocks:** The S&P 500 Index is comprised of the 500 largest publicly traded companies in the U.S. across multiple industries and sectors. The S&P 500 Index constituents are updated periodically, and the Brokerage options are updated accordingly based on any changes in the underlying index. When logged into the system an investor will see the top 10 frequently traded stocks, these are stocks in the S&P 500 Index with the highest 30 day average trading volume as of the end of each calendar quarter.

*As of December 31, 2023*

Name	Ticker
3M Co	MMM
A.O. Smith Corp	AOS
Abbott Laboratories	ABT
AbbVie Inc	ABBV
Accenture PLC Class A	ACN
Adobe Inc	ADBE
Advanced Micro Devices Inc	AMD
Aflac Inc	AFL
Agilent Technologies Inc	A
Air Products & Chemicals Inc	APD
Airbnb Inc Ordinary Shares - Class A	ABNB
Akamai Technologies Inc	AKAM
Albemarle Corp	ALB
Alexandria Real Estate Equities Inc	ARE
Align Technology Inc	ALGN
Allegion PLC	ALLE
Alliant Energy Corp	LNT
Allstate Corp	ALL
Alphabet Inc Class A	GOOGL
Alphabet Inc Class C	GOOG
Altria Group Inc	MO
Amazon.com Inc	AMZN
Amcort PLC Ordinary Shares	AMCR
Ameren Corp	AEE
American Airlines Group Inc	AAL
American Electric Power Co Inc	AEP
American Express Co	AXP
American International Group Inc	AIG
American Tower Corp	AMT
American Water Works Co Inc	AWK
Ameriprise Financial Inc	AMP
AMETEK Inc	AME
Amgen Inc	AMGN

Name	Ticker
Amphenol Corp Class A	APH
Analog Devices Inc	ADI
Ansyst Inc	ANSS
Aon PLC Class A	AON
APA Corp	APA
Apple Inc	AAPL
Applied Materials Inc	AMAT
Aptiv PLC	APTIV
Arch Capital Group Ltd	ACGL
Archer-Daniels Midland Co	ADM
Arista Networks Inc	ANET
Arthur J. Gallagher & Co	AJG
Assurant Inc	AIZ
AT&T Inc	T
Atmos Energy Corp	ATO
Autodesk Inc	ADSK
Automatic Data Processing Inc	ADP
AutoZone Inc	AZO
AvalonBay Communities Inc	AVB
Avery Dennison Corp	AVY
Axon Enterprise Inc	AXON
Baker Hughes Co Class A	BKR
Ball Corp	BALL
Bank of America Corp	BAC
Bank of New York Mellon Corp	BK
Bath & Body Works Inc	BBWI
Baxter International Inc	BAX
Becton Dickinson & Co	BDX
Berkshire Hathaway Inc Class B	BRK.B
Best Buy Co Inc	BBY
Biogen Inc	BIIB
Bio-Rad Laboratories Inc Class A	BIO
Bio-Techne Corp	TECH

Name	Ticker
BlackRock Inc	BLK
Blackstone Inc	BX
Boeing Co	BA
Booking Holdings Inc	BKNG
BorgWarner Inc	BWA
Boston Properties Inc	BXP
Boston Scientific Corp	BSX
Bristol-Myers Squibb Co	BMJ
Broadcom Inc	AVGO
Broadridge Financial Solutions Inc	BR
Brown & Brown Inc	BRO
Brown-Forman Corp Registered Shs -B- Non Vtg	BF.B
Builders FirstSource Inc	BLDR
Bunge Global SA	BG
C.H. Robinson Worldwide Inc	CHRW
Cadence Design Systems Inc	CDNS
Caesars Entertainment Inc	CZR
Camden Property Trust	CPT
Campbell Soup Co	CPB
Capital One Financial Corp	COF
Cardinal Health Inc	CAH
CarMax Inc	KMX
Carnival Corp	CCL
Carrier Global Corp Ordinary Shares	CARR
Catalent Inc	CTLT
Caterpillar Inc	CAT
Cboe Global Markets Inc	CBOE
CBRE Group Inc Class A	CBRE
CDW Corp	CDW
Celanese Corp Class A	CE
Cencora Inc	COR
Centene Corp	CNC

Name	Ticker
CenterPoint Energy Inc	CNP
Ceridian HCM Holding Inc	CDAY
CF Industries Holdings Inc	CF
Charles River Laboratories International Inc	CRL
Charles Schwab Corp	SCHW
Charter Communications Inc Class A	CHTR
Chevron Corp	CVX
Chipotle Mexican Grill Inc	CMG
Chubb Ltd	CB
Church & Dwight Co Inc	CHD
Cincinnati Financial Corp	CINF
Cintas Corp	CTAS
Cisco Systems Inc	CSCO
Citigroup Inc	C
Citizens Financial Group Inc	CFG
Clorox Co	CLX
CME Group Inc Class A	CME
CMS Energy Corp	CMS
Coca-Cola Co	KO
Cognizant Technology Solutions Corp Class A	CTSH
Colgate-Palmolive Co	CL
Comcast Corp Class A	CMCSA
Comerica Inc	CMA
Conagra Brands Inc	CAG
ConocoPhillips	COP
Consolidated Edison Inc	ED
Constellation Brands Inc Class A	STZ
Constellation Energy Corp	CEG
Copart Inc	CPRT
Corning Inc	GLW
Corteva Inc	CTVA
CoStar Group Inc	CSGP
Costco Wholesale Corp	COST
Coterra Energy Inc Ordinary Shares	CTRA
Crown Castle Inc	CCI
CSX Corp	CSX
Cummins Inc	CMI

Name	Ticker
CVS Health Corp	CVS
D.R. Horton Inc	DHI
Danaher Corp	DHR
Darden Restaurants Inc	DRI
DaVita Inc	DVA
Deere & Co	DE
Delta Air Lines Inc	DAL
Dentsply Sirona Inc	XRAY
Devon Energy Corp	DVN
DexCom Inc	DXCM
Diamondback Energy Inc	FANG
Digital Realty Trust Inc	DLR
Discover Financial Services	DFS
Dollar General Corp	DG
Dollar Tree Inc	DLTR
Dominion Energy Inc	D
Domino's Pizza Inc	DPZ
Dover Corp	DOV
Dow Inc	DOW
DTE Energy Co	DTE
Duke Energy Corp	DUK
DuPont de Nemours Inc	DD
Eastman Chemical Co	EMN
Eaton Corp PLC	ETN
eBay Inc	EBAY
Ecolab Inc	ECL
Edison International	EIX
Edwards Lifesciences Corp	EW
Electronic Arts Inc	EA
Elevance Health Inc	ELV
Eli Lilly and Co	LLY
Emerson Electric Co	EMR
Enphase Energy Inc	ENPH
Entergy Corp	ETR
EOG Resources Inc	EOG
EPAM Systems Inc	EPAM
EQT Corp	EQT

Name	Ticker
Equifax Inc	EFX
Equinix Inc	EQIX
Equity Residential	EQR
Essex Property Trust Inc	ESS
Etsy Inc	ETSY
Everest Group Ltd	EG
Evergy Inc	EVRG
Eversource Energy	ES
Exelon Corp	EXC
Expedia Group Inc	EXPE
Expeditors International of Washington Inc	EXPD
Extra Space Storage Inc	EXR
Exxon Mobil Corp	XOM
F5 Inc	FFIV
FactSet Research Systems Inc	FDS
Fair Isaac Corp	FICO
Fastenal Co	FAST
Federal Realty Investment Trust	FRT
FedEx Corp	FDX
Fidelity National Information Services Inc	FIS
Fifth Third Bancorp	FITB
First Solar Inc	FSLR
FirstEnergy Corp	FE
Fiserv Inc	FI
Fleetcor Technologies Inc	FLT
FMC Corp	FMC
Ford Motor Co	F
Fortinet Inc	FTNT
Fortive Corp	FTV
Fox Corp Class A	FOXA
Fox Corp Class B	FOX
Franklin Resources Inc	BEN
Freeport-McMoRan Inc	FCX
Garmin Ltd	GRMN
Gartner Inc	IT
GE HealthCare Technologies Inc Common Stock	GEHC
Gen Digital Inc	GEN

Name	Ticker
Generac Holdings Inc	GNRC
General Dynamics Corp	GD
General Electric Co	GE
General Mills Inc	GIS
General Motors Co	GM
Genuine Parts Co	GPC
Gilead Sciences Inc	GILD
Global Payments Inc	GPN
Globe Life Inc	GL
Halliburton Co	HAL
Hasbro Inc	HAS
HCA Healthcare Inc	HCA
Healthpeak Properties Inc	PEAK
Henry Schein Inc	HSIC
Hess Corp	HES
Hewlett Packard Enterprise Co	HPE
Hilton Worldwide Holdings Inc	HLT
Hologic Inc	HOLX
Honeywell International Inc	HON
Hormel Foods Corp	HRL
Host Hotels & Resorts Inc	HST
Howmet Aerospace Inc	HWM
HP Inc	HPQ
Hubbell Inc	HUBB
Humana Inc	HUM
Huntington Bancshares Inc	HBAN
Huntington Ingalls Industries Inc	HII
IDEX Corp	IEX
IDEXX Laboratories Inc	IDXX
Illinois Tool Works Inc	ITW
Illumina Inc	ILMN
Incyte Corp	INCY
Ingersoll Rand Inc	IR
Insulet Corp	PODD
Intel Corp	INTC
Intercontinental Exchange Inc	ICE
International Business Machines Corp	IBM

Name	Ticker
International Flavors & Fragrances Inc	IFF
International Paper Co	IP
Intuit Inc	INTU
Intuitive Surgical Inc	ISRG
Invesco Ltd	IVZ
Invitation Homes Inc	INVH
IQVIA Holdings Inc	IQV
Iron Mountain Inc	IRM
Jabil Inc	JBL
Jack Henry & Associates Inc	JKHY
Jacobs Solutions Inc	J
JB Hunt Transport Services Inc	JBHT
JM Smucker Co	SJM
Johnson & Johnson	JNJ
Johnson Controls International PLC	JCI
JPMorgan Chase & Co	JPM
Juniper Networks Inc	JNPR
Kellanova Co	K
Kenvue Inc	KVUE
Keurig Dr Pepper Inc	KDP
KeyCorp	KEY
Keysight Technologies Inc	KEYS
Kimberly-Clark Corp	KMB
Kimco Realty Corp	KIM
Kinder Morgan Inc Class P	KMI
KLA Corp	KLAC
L3Harris Technologies Inc	LHX
Laboratory Corp of America Holdings	LH
Lam Research Corp	LRCX
Lamb Weston Holdings Inc	LW
Las Vegas Sands Corp	LVS
Leidos Holdings Inc	LDOS
Lennar Corp Class A	LEN
Linde PLC	LIN
Live Nation Entertainment Inc	LYV
LKQ Corp	LKQ
Lockheed Martin Corp	LMT

Name	Ticker
Loews Corp	L
Lowe's Companies Inc	LOW
Lululemon Athletica Inc	LULU
LyondellBasell Industries NV Class A	LYB
M&T Bank Corp	MTB
Marathon Oil Corp	MRO
Marathon Petroleum Corp	MPC
MarketAxess Holdings Inc	MKTX
Marriott International Inc Class A	MAR
Marsh & McLennan Companies Inc	MMC
Martin Marietta Materials Inc	MLM
Masco Corp	MAS
Mastercard Inc Class A	MA
Match Group Inc	MTCH
McCormick & Co Inc Registered Shs Non Vtg	MKC
McDonald's Corp	MCD
McKesson Corp	MCK
Medtronic PLC	MDT
Merck & Co Inc	MRK
Meta Platforms Inc Class A	META
MetLife Inc	MET
Mettler-Toledo International Inc	MTD
MGM Resorts International	MGM
Microchip Technology Inc	MCHP
Micron Technology Inc	MU
Microsoft Corp	MSFT
Mid-America Apartment Communities Inc	MAA
Moderna Inc	MRNA
Mohawk Industries Inc	MHK
Molina Healthcare Inc	MOH
Molson Coors Beverage Co Shs -B- Non-Voting	TAP
Mondelez International Inc Class A	MDLZ
Monolithic Power Systems Inc	MPWR
Monster Beverage Corp	MNST
Moody's Corporation	MCO
Morgan Stanley	MS
Motorola Solutions Inc	MSI

Name	Ticker
MSCI Inc	MSCI
Nasdaq Inc	NDAQ
NetApp Inc	NTAP
Netflix Inc	NFLX
Newmont Corp	NEM
News Corp Class A	NWSA
News Corp Class B	NWS
NextEra Energy Inc	NEE
Nike Inc Class B	NKE
NiSource Inc	NI
Nordson Corp	NDSN
Norfolk Southern Corp	NSC
Northern Trust Corp	NTRS
Northrop Grumman Corp	NOC
Norwegian Cruise Line Holdings Ltd	NCLH
NRG Energy Inc	NRG
Nucor Corp	NUE
NVIDIA Corp	NVDA
NVR Inc	NVR
NXP Semiconductors NV	NXPI
Occidental Petroleum Corp	OXY
Old Dominion Freight Line Inc Ordinary Shares	ODFL
Omnicom Group Inc	OMC
ON Semiconductor Corp	ON
ONEOK Inc	OKE
Oracle Corp	ORCL
O'Reilly Automotive Inc	ORLY
Otis Worldwide Corp Ordinary Shares	OTIS
PACCAR Inc	PCAR
Packaging Corp of America	PKG
Palo Alto Networks Inc	PANW
Paramount Global Class B	PARA
Parker Hannifin Corp	PH
Paychex Inc	PAYX
Paycom Software Inc	PAYC
PayPal Holdings Inc	PYPL
Pentair PLC	PNR

Name	Ticker
PepsiCo Inc	PEP
Pfizer Inc	PFE
PG&E Corp	PCG
Philip Morris International Inc	PM
Phillips 66	PSX
Pinnacle West Capital Corp	PNW
Pioneer Natural Resources Co	PXD
PNC Financial Services Group Inc	PNC
Pool Corp	POOL
PPG Industries Inc	PPG
PPL Corp	PPL
Principal Financial Group Inc	PFG
Procter & Gamble Co	PG
Progressive Corp	PGR
Prologis Inc	PLD
Prudential Financial Inc	PRU
PTC Inc	PTC
Public Service Enterprise Group Inc	PEG
Public Storage	PSA
PulteGroup Inc	PHM
Qorvo Inc	QRVO
Qualcomm Inc	QCOM
Quanta Services Inc	PWR
Quest Diagnostics Inc	DGX
Ralph Lauren Corp Class A	RL
Raymond James Financial Inc	RJF
Realty Income Corp	O
Regency Centers Corp	REG
Regeneron Pharmaceuticals Inc	REGN
Regions Financial Corp	RF
Republic Services Inc	RSG
ResMed Inc	RMD
Revvity Inc	RVTY
Robert Half Inc	RHI
Rockwell Automation Inc	ROK
Rollins Inc	ROL
Roper Technologies Inc	ROP

Name	Ticker
Ross Stores Inc	ROST
Royal Caribbean Group	RCL
RTX Corp	RTX
S&P Global Inc	SPGI
Salesforce Inc	CRM
SBA Communications Corp Class A	SBAC
Schlumberger Ltd	SLB
Seagate Technology Holdings PLC	STX
Sempra	SRE
ServiceNow Inc	NOW
Sherwin-Williams Co	SHW
Simon Property Group Inc	SPG
Skyworks Solutions Inc	SWKS
Snap-on Inc	SNA
Southern Co	SO
Southwest Airlines Co	LUV
Stanley Black & Decker Inc	SWK
Starbucks Corp	SBUX
State Street Corporation	STT
Steel Dynamics Inc	STLD
Steris PLC	STE
Stryker Corp	SYK
Synchrony Financial	SYF
Synopsys Inc	SNPS
Sysco Corp	SYY
T. Rowe Price Group Inc	TROW
Take-Two Interactive Software Inc	TTWO
Tapestry Inc	TPR
Targa Resources Corp	TRGP
Target Corp	TGT
TE Connectivity Ltd	TEL
Teledyne Technologies Inc	TDY
Teleflex Inc	TFX
Teradyne Inc	TER
Tesla Inc	TSLA
Texas Instruments Inc	TXN
Textron Inc	TXT

<b>Name</b>	<b>Ticker</b>
The AES Corp	AES
The Cigna Group	CI
The Cooper Companies Inc	COO
The Estee Lauder Companies Inc Class A	EL
The Goldman Sachs Group Inc	GS
The Hartford Financial Services Group Inc	HIG
The Hershey Co	HSY
The Home Depot Inc	HD
The Interpublic Group of Companies Inc	IPG
The Kraft Heinz Co	KHC
The Kroger Co	KR
The Mosaic Co	MOS
The Travelers Companies Inc	TRV
The Walt Disney Co	DIS
Thermo Fisher Scientific Inc	TMO
TJX Companies Inc	TJX
T-Mobile US Inc	TMUS
Tractor Supply Co	TSCO
Trane Technologies PLC Class A	TT
TransDigm Group Inc	TDG
Trimble Inc	TRMB
Truist Financial Corp	TFC
Tyler Technologies Inc	TYL
Tyson Foods Inc Class A	TSN
U.S. Bancorp	USB
Uber Technologies Inc	UBER
UDR Inc	UDR
Ulta Beauty Inc	ULTA
Union Pacific Corp	UNP
United Airlines Holdings Inc	UAL
United Parcel Service Inc Class B	UPS
United Rentals Inc	URI
UnitedHealth Group Inc	UNH
Universal Health Services Inc Class B	UHS
Valero Energy Corp	VLO
Ventas Inc	VTR

<b>Name</b>	<b>Ticker</b>
Veralto Corp	VLTO
VeriSign Inc	VRSN
Verisk Analytics Inc	VRSK
Verizon Communications Inc	VZ
Vertex Pharmaceuticals Inc	VRTX
VF Corp	VFC
Viatis Inc	VTRS
VICI Properties Inc Ordinary Shares	VICI
Visa Inc Class A	V
Vulcan Materials Co	VMC
W.W. Grainger Inc	GWW
Walgreens Boots Alliance Inc	WBA
Walmart Inc	WMT
Warner Bros. Discovery Inc Ordinary Shares - Class A	WBD
Waste Management Inc	WM
Waters Corp	WAT
WEC Energy Group Inc	WEC
Wells Fargo & Co	WFC
Welltower Inc	WELL
West Pharmaceutical Services Inc	WST
Western Digital Corp	WDC
Westinghouse Air Brake Technologies Corp	WAB
WestRock Co	WRK
Weyerhaeuser Co	WY
Whirlpool Corp	WHR
Williams Companies Inc	WMB
Willis Towers Watson PLC	WTW
WR Berkley Corp	WRB
Wynn Resorts Ltd	WYNN
Xcel Energy Inc	XEL
Xylem Inc	XYL
Yum Brands Inc	YUM
Zebra Technologies Corp Class A	ZBRA
Zimmer Biomet Holdings Inc	ZBH
Zions Bancorp NA	ZION
Zoetis Inc Class A	ZTS

## Brokerage ETF Investment List

**ETFs:** Passive ETFs available for trading on the platform that represent core asset classes and meet certain asset thresholds and trading activity metrics are included in the list of available Brokerage options. Multiple ETF families are represented. Examples of non-core asset classes are: equity long-short, market neutral, and inverse ETFs. When logged into the system the investor will see the top 10 frequently traded ETFs, these are ETFs with the highest 30 day average trading volume as of the end of each calendar quarter.

*As of December 31, 2023*

Name	Ticker
AAM Low Duration Pref & Inc Secs ETF	PFLD
abrdn Blmb AllCmdLDSK1Fr ETF	BCD
abrdn Blmb AllCmdStrk1Fr ETF	BCI
abrdn Physical Gold Shares ETF	SGOL
abrdn Physical Palladium Shares ETF	PALL
abrdn Physical Platinum Shares ETF	PPLT
abrdn Physical PrecMtlBsk Shrs ETF	GLTR
abrdn Physical Silver Shares ETF	SIVR
Alerian Energy Infrastructure ETF	ENFR
Alerian MLP ETF	AMLP
ALPS Equal Sector Weight ETF	EQL
ALPS International Sector Div Dogs ETF	IDOG
ALPS Medical Breakthroughs ETF	SBIO
ALPS O'Shares Glbl Internet Gnts ETF	OGIG
ALPS O'Shares US Quality Div ETF	OUSA
ALPS O'Shares US Sm-Cp Qul Div ETF	OUSM
ALPS Sector Dividend Dogs ETF	SDOG
American Century Quality Dvrs Intl ETF	QINT
American Century US Quality Growth ETF	QGRO
American Century® U.S. Quality Value ETF	VALQ
Amplify Lithium & Battery Tech ETF	BATT
Amplify Online Retail ETF	IBUY
ARK Israel Innovative Technology ETF	IZRL
AXS Change Finance ESG ETF	CHGX
BlueStar Israel Technology ETF	ITEQ
BNY Mellon Core Bond ETF	BKAG
BNY Mellon International Equity ETF	BKIE
BNY Mellon US Large Cap Core Equity ETF	BKLC
BNY Mellon US Mid Cap Core Equity ETF	BKMC

Name	Ticker
BondBloxx Bloomberg One YrTrgDurUSTrsETF	XONE
BondBloxx Bloomberg SixMthTrgDurUSTrsETF	XHLF
BondBloxx JP Morgan USD EM 1-10 Yr BdETF	XEMD
Columbia Diversified Fixed Inc Allc ETF	DIAL
Columbia EM Core ex-China ETF	XCEM
Columbia Multi-Sector Municipal Inc ETF	MUST
Columbia Research Enhanced Core ETF	RECS
Communication Services Sel Sect SPDR®ETF	XLC
Consumer Discret Sel Sect SPDR® ETF	XLY
Consumer Staples Select Sector SPDR® ETF	XLP
Defiance 5G Next Gen Connectivity ETF	FIVG
Defiance Quantum ETF	QTUM
Direxion Auspice Broad Cmnty Strat ETF	COM
Direxion NASDAQ-100® Equal Wtd ETF	QQQE
EMQQ Emerging Markets Intrnt & Ecmrc ETF	EMQQ
Energy Select Sector SPDR® ETF	XLE
ETFMG Alternative Harvest ETF	MJ
ETFMG Prime Cyber Security ETF	HACK
ETFMG Prime Junior Silver Miners ETF	SILJ
ETFMG Prime Mobile Payments ETF	IPAY
ETFMG Travel Tech ETF	AWAY
Fidelity Dividend ETF for Rising Rates	FDRR
Fidelity High Dividend ETF	FDVV
Fidelity Stocks for Inflation ETF	FCPI
Fidelity Value Factor ETF	FVAL
Fidelity® Low Duration Bond Factor ETF	FLDR
Fidelity® Low Volatility Factor ETF	FDLO
Fidelity® Momentum Factor ETF	FDMO
Fidelity® MSCI Communication ServicesETF	FCOM

Name	Ticker
Fidelity® MSCI Consumer Discret ETF	FDIS
Fidelity® MSCI Consumer Staples ETF	FSTA
Fidelity® MSCI Energy ETF	FENY
Fidelity® MSCI Financials ETF	FNCL
Fidelity® MSCI Health Care ETF	FHLC
Fidelity® MSCI Industrials ETF	FIDU
Fidelity® MSCI Information Tech ETF	FTEC
Fidelity® MSCI Materials ETF	FMAT
Fidelity® MSCI Real Estate ETF	FREL
Fidelity® MSCI Utilities ETF	FUTY
Fidelity® Nasdaq Composite ETF	ONEQ
Fidelity® Quality Factor ETF	FQAL
Financial Select Sector SPDR® ETF	XLF
First Trust Capital Strength ETF	FTCS
First Trust Cloud Computing ETF	SKYY
First Trust Cnsmr Discret AlphaDEX® ETF	FXD
First Trust Cnsmr Staples AlphaDEX® ETF	FXG
First Trust Dev Mkts Ex-US AlphaDEX® ETF	FDT
First Trust Dorsey Wright DALI 1 ETF	DALI
First Trust Dorsey Wright Dynamic Foc 5	FVC
First Trust Dorsey Wright Focus 5 ETF	FV
First Trust Dorsey Wright Intl Foc 5	IFV
First Trust Dow 30 Equal Weight ETF	EDOW
First Trust Dow Jones Global Sel Div ETF	FGD
First Trust Dow Jones Internet ETF	FDN
First Trust Dow Jones Sel MicroCap ETF	FDM
First Trust Emerg Mkts SC AlphaDEX® ETF	FEMS
First Trust Emerging Mrkts AlphaDEX® ETF	FEM
First Trust Energy AlphaDEX® ETF	FXN



Name	Ticker
First Trust Europe AlphaDEX® ETF	FEP
First Trust Financials AlphaDEX® ETF	FXO
First Trust Global Wind Energy ETF	FAN
First Trust Health Care AlphaDEX® ETF	FXH
First Trust IndtIs/PrdcrDurbAlphaDEX®ETF	FXR
First Trust Indxx Gbl Natrl Res Inc ETF	FTRI
First Trust International Eq Opps ETF	FPXI
First Trust Large Cap Core AlphaDEX® ETF	FEX
First Trust Large Cap Gr AlphaDEX® ETF	FTC
First Trust Large Cap Val AlphaDEX® ETF	FTA
First Trust Lunt US Factor Rotation ETF	FCTR
First Trust Materials AlphaDEX® ETF	FXZ
First Trust Mid Cap Core AlphaDEX® ETF	FNX
First Trust Mid Cap Growth AlphaDEX® ETF	FNY
First Trust Mid Cap Value AlphaDEX® ETF	FNK
First Trust Morningstar Div Leaders ETF	FDL
First Trust Nasdaq Bank ETF	FTXO
First Trust NASDAQ Cybersecurity ETF	CIBR
First Trust Nasdaq Food & Beverage ETF	FTXG
First Trust Nasdaq Oil & Gas ETF	FTXN
First Trust Nasdaq Semiconductor ETF	FTXL
First Trust NASDAQ Technology Div ETF	TDIV
First Trust NASDAQ® ABA Community Bk ETF	QABA
First Trust NASDAQ® Cln Edge® GrnEngyETF	QCLN
First Trust NASDAQ® Cln Edge®StGidlfsETF	GRID
First Trust NASDAQ-100 Equal Wtd ETF	QQEW
First Trust NASDAQ-100-Tech Sector ETF	QTEC
First Trust Natural Gas ETF	FCG
First Trust NYSE Arca Biotech ETF	FBT
First Trust RBA Amer Indl RenaisTM ETF	AIRR
First Trust Rising Dividend Achiev ETF	RDVY
First Trust S&P REIT ETF	FRI
First Trust Small Cap Core AlphaDEX® ETF	FYX
First Trust Small Cap Gr AlphaDEX® ETF	FYC
First Trust Small Cap Val AlphaDEX® ETF	FYT
First Trust SMID Cp Rising Div Achv ETF	SDVY

Name	Ticker
First Trust STOXX® European Sel Div ETF	FDD
First Trust Technology AlphaDEX® ETF	FXL
First Trust US Equity Opportunities ETF	FPX
First Trust Utilities AlphaDEX® ETF	FXU
First Trust Value Line® Dividend ETF	FVD
First Trust Water ETF	FIW
FlexShares Credit-Scored US Corp Bd ETF	SKOR
FlexShares Gbl Quality Real Estate ETF	GQRE
FlexShares HY Val-Scrd Bd	HYGV
FlexShares iBoxx 3Yr Target Dur TIPS ETF	TDTT
FlexShares iBoxx 5Yr Target Dur TIPS ETF	TDTF
FlexShares Intl Qual Div ETF	IQDF
FlexShares Mstar DevMks exUS FctTilt ETF	TLTD
FlexShares Mstar EmgMkts FctTilt ETF	TLTE
FlexShares Mstar Gbl Upstrm Nat Res ETF	GUNR
FlexShares Quality Dividend ETF	QDF
FlexShares STOXX Global Broad Infrs ETF	NFRA
FlexShares US Quality Large Cap ETF	QLC
Franklin FTSE Brazil ETF	FLBR
Franklin FTSE Canada ETF	FLCA
Franklin FTSE China ETF	FLCH
Franklin FTSE Japan ETF	FLJP
Franklin FTSE South Korea ETF	FLKR
Franklin FTSE United Kingdom ETF	FLGB
Franklin Intl Low Volatility Hi Div ETF	LVHI
Franklin U.S. Low Volatility Hi Div ETF	LVHD
Franklin US Equity Index ETF	USPX
Franklin US Large Cap Mltfctr Idx ETF	FLQL
Freedom 100 Emerging Markets ETF	FRDM
FT Nasdaq Artfcl Intlgnnc and Rbct ETF	ROBT
Fundamental Income Net Lease RI Estt ETF	NETL
Global X Adaptive US Factor ETF	AUSF
Global X Artfcl Intlgc & Tech ETF	AIQ
Global X Atnms & Elctr Vhcls ETF	DRIV
Global X CleanTech ETF	CTEC
Global X Cloud Computing ETF	CLOU

Name	Ticker
Global X Conscious Companies ETF	KRMA
Global X Copper Miners ETF	COPX
Global X Cybersecurity ETF	BUG
Global X FinTech ETF	FINX
Global X Genomics & Biotechnology ETF	GNOM
Global X Internet of Things ETF	SNSR
Global X Lithium & Battery Tech ETF	LIT
Global X MLP & Energy Infrastructure ETF	MLPX
Global X MLP ETF	MLPA
Global X MSCI China Consumer Disc ETF	CHIQ
Global X MSCI Greece ETF	GREK
Global X Robotics & Artfcl Intlgnnc ETF	BOTZ
Global X S&P 500® Catholic Values ETF	CATH
Global X Silver Miners ETF	SIL
Global X Social Media ETF	SOCL
Global X SuperDividend® REIT ETF	SRET
Global X SuperDividend™ ETF	SDIV
Global X SuperDividend™ US ETF	DIV
Global X SuperIncome™ Preferred ETF	SPFF
Global X Telemedicine & Digital Hlth ETF	EDOC
Global X Uranium ETF	URA
Global X US Infrastructure Dev ETF	PAVE
Global X US Preferred ETF	PFFD
Global X Variable Rate Preferred ETF	PFFV
Global X Video Games & Esports ETF	HERO
Goldman Sachs Access Treasury 0-1 Yr ETF	GBIL
Goldman Sachs Access US Aggregate Bd ETF	GCOR
Goldman Sachs Acs Infl Protcd USD Bd ETF	GTIP
Goldman Sachs Accs Invmt Grd Corp Bd ETF	GIGB
Goldman Sachs ActBt Wld Lw Vl Ps Eq ETF	GLOV
Goldman Sachs ActiveBeta® EMkts Eq ETF	GEM
Goldman Sachs ActiveBeta® Intl Eq ETF	GSIE
Goldman Sachs ActiveBeta® US LgCp Eq ETF	GSLC
Goldman Sachs ActiveBeta® US SmCp Eq ETF	GSSC
Goldman Sachs Equal Wght US Lg Cp Eq ETF	GSEW
Goldman Sachs JUST US Large Cap Eq ETF	JUST

Name	Ticker
Goldman Sachs MarketBeta Intl Eq ETF	GSID
Goldman Sachs MarketBeta US Equity ETF	GSUS
Goldman Sachs Physical Gold ETF	AAAU
GraniteShares Gold Trust	BAR
Hartford Multifactor Dev Mkts (exUS) ETF	RODM
Hartford Multifactor US Equity ETF	ROUS
HCM Defender 100 Index ETF	QQH
HCM Defender 500 Index ETF	LGH
Health Care Select Sector SPDR® ETF	XLV
Industrial Select Sector SPDR® ETF	XLI
Innovator Laddered Allc Pwr Bfr ETF™	BUFF
Innovator S&P Investment Grade Prfrd ETF	EPRF
Inspire 100 ETF	BIBL
Inspire Corporate Bond ETF	IBD
Inspire Global Hope ETF	BLES
Inspire International ETF	WWJD
Inspire Small/Mid Cap ETF	ISMD
Invesco Biotechnology & Genome ETF	PBE
Invesco Building & Construction ETF	PKB
Invesco BulletShares (R) 2024MuncplBdETF	BSMO
Invesco BulletShares (R) 2025MuncplBdETF	BSMP
Invesco BulletShares 2024 Corp Bd ETF	BSCO
Invesco BulletShares 2024 HY Corp Bd ETF	BSJO
Invesco BulletShares 2025 Corp Bd ETF	BSCP
Invesco BulletShares 2025 HY Corp Bd ETF	BSJP
Invesco BulletShares 2026 Corp Bd ETF	BSCQ
Invesco BulletShares 2026 HY Corp Bd ETF	BSJQ
Invesco BulletShares 2027 Corp Bd ETF	BSCR
Invesco BulletShares 2028 Corp Bd ETF	BSCS
Invesco BulletShares 2029 Corp Bd ETF	BSCT
Invesco BulletShares 2030 Corp Bd ETF	BSCU
Invesco BulletShares 2031 Corp Bd ETF	BSCV
Invesco BuyBack Achievers ETF	PKW
Invesco California AMT-Free Muni Bd ETF	PWZ
Invesco China Technology ETF	CQQQ
Invesco DB Agriculture	DBA

Name	Ticker
Invesco DB Base Metals	DBB
Invesco DB Commodity Tracking	DBC
Invesco DB Energy	DBE
Invesco DB Oil	DBO
Invesco DB Precious Metals	DBP
Invesco Dividend Achievers™ ETF	PFM
Invesco Dorsey Wright Energy MomentumETF	PXI
Invesco Dorsey Wright SmallCap Momt ETF	DWAS
Invesco Dow Jones Industrial Avg Div ETF	DJD
Invesco DW Developed Markets Momt ETF	PIZ
Invesco DW Emerging Markets Momt ETF	PIE
Invesco Dynamic Leisure and Entmnt ETF	PEJ
Invesco Emerging Markets Sov Debt ETF	PCY
Invesco Energy Exploration & Prod ETF	PXE
Invesco Equal Weight 0-30 Years Trs ETF	GOVI
Invesco Financial Preferred ETF	PGF
Invesco Food & Beverage ETF	PBJ
Invesco FTSE RAFI Dev Mkts ex-US ETF	PXF
Invesco FTSE RAFI Dev Mkts ex-US S/M ETF	PDN
Invesco FTSE RAFI Emerging Markets ETF	PXH
Invesco FTSE RAFI US 1000 ETF	PRF
Invesco FTSE RAFI US 1500 Small-Mid ETF	PRFZ
Invesco Fundamental Hi Yld® Corp Bd ETF	PHB
Invesco Glb ex-US High Yld Corp Bd ETF	PGHY
Invesco Global Clean Energy ETF	PBD
Invesco Global Water ETF	PIO
Invesco High Yield Eq Div Achiev™ ETF	PEY
Invesco India ETF	PIN
Invesco International Corporate Bond ETF	PICB
Invesco International Div Achiev ETF	PID
Invesco Intl Dev Dynmc Mltfctr ETF	IMFL
Invesco KBW Bank ETF	KBWB
Invesco KBW Premium Yield Eq REIT ETF	KBWY
Invesco KBW Property & Casualty Ins ETF	KBWP
Invesco Large Cap Growth ETF	PWB
Invesco Large Cap Value ETF	PWV

Name	Ticker
Invesco MSCI USA ETF	PBUS
Invesco NASDAQ 100 ETF	QQQM
Invesco NASDAQ Next Gen 100 ETF	QQQJ
Invesco National AMT-Free Muni Bd ETF	PZA
Invesco Preferred ETF	PGX
Invesco QQQ Trust	QQQ
Invesco RAFI™ Strategic US ETF	IUS
Invesco Russell 1000 Equal Weight ETF	EQAL
Invesco Russell 1000® Dynamic Mltfct ETF	OMFL
Invesco Russell 2000® Dynamic Mltfct ETF	OMFS
Invesco S&P 100 Equal Weight ETF	EQWL
Invesco S&P 500 GARP ETF	SPGP
Invesco S&P 500 Revenue ETF	RWL
Invesco S&P 500® Enhanced Value ETF	SPVU
Invesco S&P 500® Eq Wt Cnsm Stapl ETF	RSPS
Invesco S&P 500® Equal Weight Energy ETF	RSPG
Invesco S&P 500® Equal Weight ETF	RSP
Invesco S&P 500® Equal Weight ETF	RSP
Invesco S&P 500® Equal Weight Fincl ETF	RSPF
Invesco S&P 500® Equal Weight Matrls ETF	RSPM
Invesco S&P 500® Equal Weight Tech ETF	RSPT
Invesco S&P 500® Equal Weight Utilts ETF	RSPU
Invesco S&P 500® Equal Wt Cnsm Disc ETF	RSPD
Invesco S&P 500® Equal Wt Hlth Care ETF	RSPH
Invesco S&P 500® Equal Wt Indls ETF	RSPN
Invesco S&P 500® Equal Wt Real Estt ETF	RSPR
Invesco S&P 500® High Beta ETF	SPHB
Invesco S&P 500® High Div Low Vol ETF	SPHD
Invesco S&P 500® Low Volatility ETF	SPLV
Invesco S&P 500® Momentum ETF	SPMO
Invesco S&P 500® Pure Growth ETF	RPG
Invesco S&P 500® Pure Value ETF	RPV
Invesco S&P 500® Top 50 ETF	XLG
Invesco S&P Emerging Markets Low Vol ETF	EELV
Invesco S&P Global Water ETF	CGW
Invesco S&P International Dev Qual ETF	IDHQ

Name	Ticker
Invesco S&P Intl Dev Low Vol ETF	IDLV
Invesco S&P MidCap 400 Revenue ETF	RWK
Invesco S&P MidCap 400® GARP ETF	GRPM
Invesco S&P MidCap 400® Pure Growth ETF	RFG
Invesco S&P MidCap 400® Pure Value ETF	RFV
Invesco S&P MidCap Low Volatility ETF	XMLV
Invesco S&P MidCap Momentum ETF	XMMO
Invesco S&P MidCap Quality ETF	XMHQ
Invesco S&P MidCap Value with Momt ETF	XMVM
Invesco S&P SmallCap 600 Revenue ETF	RWJ
Invesco S&P SmallCap 600® Pure Value ETF	RZV
Invesco S&P SmallCap Energy ETF	PSCE
Invesco S&P SmallCap Health Care ETF	PSCH
Invesco S&P SmallCap Info Tech ETF	PSCT
Invesco S&P SmallCap Low Volatility ETF	XSLV
Invesco S&P SmallCap Momentum ETF	XSMO
Invesco S&P SmallCap Value with Momt ETF	XSVM
Invesco S&P Ultra Dividend Revenue ETF	RDIV
Invesco Senior Loan ETF	BKLN
Invesco Short Term Treasury ETF	TBILL
Invesco Solar ETF	TAN
Invesco Taxable Municipal Bond ETF	BAB
Invesco Variable Rate Preferred ETF	VRP
Invesco Zacks Multi-Asset Income ETF	CVY
iPath® Bloomberg Cmnty TR ETN	DJP
IQ 500 International ETF	IQIN
IQ Candriam International Equity ETF	IQSI
IQ Candriam U.S. Large Cap Equity ETF	IQSU
IQ FTSE International Eq Ccy Netrl ETF	HFXI
IQ U.S. Small Cap ETF	CSML
iShares 0-5 Year High Yield Corp Bd ETF	SHYG
iShares 0-5 Year Invmt Grade Corp Bd ETF	SLOD
iShares 0-5 Year TIPS Bond ETF	STIP
iShares 10+ Year Invmt Grd Corp Bd ETF	IGLB
iShares 10-20 Year Treasury Bond ETF	TLH
iShares 1-3 Year Treasury Bond ETF	SHY

Name	Ticker
iShares 1-3 Year Treasury Bond ETF	SHY
iShares 1-5 Year invmt Grd Corp Bd ETF	IGSB
iShares 20+ Year Treasury Bond ETF	TLT
iShares 20+ Year Trs Bd Buywrt Styg ETF	TLTW
iShares 25+ Year Treasury STRIPS Bd ETF	GOVZ
iShares 3-7 Year Treasury Bond ETF	IEI
iShares 5-10 Year invmt Grd Corp Bd ETF	IGIB
iShares 7-10 Year Treasury Bond ETF	IEF
iShares 7-10 Year Treasury Bond ETF	IEF
iShares Aaa - A Rated Corporate Bond ETF	QLTA
iShares Agency Bond ETF	AGZ
iShares Asia 50 ETF	AIA
iShares BB Rated Corporate Bond ETF	HYBB
iShares Biotechnology ETF	IBB
iShares Bloomberg Roll Sel Brd Cmnty ETF	CMDY
iShares Broad USD High Yield Corp Bd ETF	USHY
iShares Broad USD Invmt Grd Corp Bd ETF	USIG
iShares California Muni Bond ETF	CMF
iShares China Large-Cap ETF	FXI
iShares Climate Conscious & TrnMSCIUSAETF	USCL
iShares CMBS ETF	CMBS
iShares Cohen & Steers REIT ETF	ICF
iShares Convertible Bond ETF	ICVT
iShares Core 10+ Year USD Bond ETF	ILTB
iShares Core 1-5 Year USD Bond ETF	ISTB
iShares Core 5-10 Year USD Bond ETF	IMTB
iShares Core Aggressive Allocation ETF	AOA
iShares Core Conservative Allocation ETF	AOK
iShares Core Dividend ETF	DIVB
iShares Core Dividend Growth ETF	DGRO
iShares Core Growth Allocation ETF	AOR
iShares Core High Dividend ETF	HDV
iShares Core International Aggt Bd ETF	IAGG
iShares Core Moderate Allocation ETF	AOM
iShares Core MSCI EAFE ETF	IEFA
iShares Core MSCI EAFE ETF	IEFA

Name	Ticker
iShares Core MSCI Emerging Markets ETF	IEMG
iShares Core MSCI Europe ETF	IEUR
iShares Core MSCI Intl Dev Mkts ETF	IDEV
iShares Core MSCI Pacific ETF	IPAC
iShares Core MSCI Total Intl Stk ETF	IXUS
iShares Core S&P 500 ETF	IVV
iShares Core S&P 500 ETF	IVV
iShares Core S&P Mid-Cap ETF	IJH
iShares Core S&P Small-Cap ETF	IJR
iShares Core S&P Total US Stock Mkt ETF	ITOT
iShares Core S&P US Growth ETF	IUSG
iShares Core S&P US Value ETF	IUSV
iShares Core Total USD Bond Market ETF	IUSB
iShares Core US Aggregate Bond ETF	AGG
iShares Core US REIT ETF	USRT
iShares Currency Hdgd MSCI ACWI exUS ETF	HAWX
iShares Currency Hedged MSCI EAFE ETF	HEFA
iShares Currency Hedged MSCI Em Mkts ETF	HEEM
iShares Currency Hedged MSCI Eurozn ETF	HEZU
iShares Currency Hedged MSCI Japan ETF	HEWJ
iShares Cybersecurity and Tech ETF	IHAK
iShares Dow Jones US ETF	IYY
iShares Edge MSCI Intl Value Factor ETF	IVLU
iShares Em Mkts Eq Fac ETF	EMGF
iShares Emerging Markets Dividend ETF	DVYE
iShares ESG 1-5 Year USD Corp Bd ETF	SUSB
iShares ESG Advanced MSCI EAFE ETF	DMXF
iShares ESG Advanced Ttl USD Bd Mrkt ETF	EUSB
iShares ESG Aware MSCI EAFE ETF	ESGD
iShares ESG Aware MSCI EM ETF	ESGE
iShares ESG Aware MSCI USA ETF	ESGU
iShares ESG Aware MSCI USA Small-Cap ETF	ESML
iShares ESG MSCI USA Leaders ETF	SUSL
iShares ESG U.S. Aggregate Bond ETF	EAGG
iShares ESG USD Corporate Bond ETF	SUSC
iShares Europe ETF	IEV

Name	Ticker
iShares Expanded Tech Sector ETF	IGM
iShares Expanded Tech-Software Sect ETF	IGV
iShares Exponential Technologies ETF	XT
iShares Fallen Angels USD Bond ETF	FALN
iShares Floating Rate Bond ETF	FLOT
iShares Genomics Immnlgy & Hlthcr ETF	IDNA
iShares Global 100 ETF	IOO
iShares Global Clean Energy ETF	ICLN
iShares Global Comm Services ETF	IXP
iShares Global Consumer Discr ETF	RXI
iShares Global Consumer Staples ETF	KXI
iShares Global Energy ETF	IXC
iShares Global Equity Factor ETF	GLOF
iShares Global Financials ETF	IXG
iShares Global Healthcare ETF	IXJ
iShares Global Industrials ETF	EXI
iShares Global Infrastructure ETF	IGF
iShares Global REIT ETF	REET
iShares Global Tech ETF	IXN
iShares GNMA Bond ETF	GNMA
iShares Gold Trust	IAU
iShares Government/Credit Bond ETF	GBF
iShares GSCI Cmd Dyn Roll Stgy ETF	COMT
iShares High Yield Bond Factor ETF	HYDB
iShares iBonds Dec 2024 Term Corp ETF	IBDP
iShares iBonds Dec 2024 Term Muni Bond	IBMM
iShares iBonds Dec 2024 Term Tr ETF	IBTE
iShares iBonds Dec 2025 Term Corp ETF	IBDQ
iShares iBonds Dec 2025 Term Muni Bd ETF	IBMN
iShares iBonds Dec 2026 Term Corp ETF	IBDR
iShares iBonds Dec 2026 Term Muni Bd ETF	IBMO
iShares iBonds Dec 2027 Term Corp ETF	IBDS
iShares iBonds Dec 2027 Term Muni Bd ETF	IBMP
iShares iBonds Dec 2028 Term Corp ETF	IBDT
iShares iBonds Dec 2028 Term Muni Bd ETF	IBMQ
iShares iBonds Dec 2029 Term Corp ETF	IBDU

Name	Ticker
iShares iBonds Dec 2030 Term Corp ETF	IBDV
iShares iBoxx \$ High Yield Corp Bd ETF	HYG
iShares iBoxx \$ Invmt Grade Corp Bd ETF	LQD
iShares India 50 ETF	INDY
iShares Interest Rate Hdg Hi Yld Bd ETF	HYGH
iShares Interest Rate Hedged Corp Bd ETF	LQDH
iShares Intermediate Govt/Crdt Bd ETF	GVI
iShares International Dev Real Est ETF	IFGL
iShares International Dividend Gr ETF	IGRO
iShares International Equity Factor ETF	INTF
iShares International Select Div ETF	IDV
iShares International Treasury Bond ETF	IGOV
iShares Investment Grade Bond Factor ETF	IGEB
iShares J.P. Morgan EM High Yld Bd ETF	EMHY
iShares JP Morgan EM Corporate Bond ETF	CEMB
iShares JP Morgan EM Local Ccy Bd ETF	LEMB
iShares JP Morgan USD Em Mkts Bd ETF	EMB
iShares Latin America 40 ETF	ILF
iShares MBS ETF	MBB
iShares Micro-Cap ETF	IWC
iShares Morningstar Growth ETF	ILCG
iShares Morningstar Mid-Cap ETF	IMCB
iShares Morningstar Mid-Cap Growth ETF	IMCG
iShares Morningstar Mid-Cap Value ETF	IMCV
iShares Morningstar Multi-Asset Inc ETF	IYLD
iShares Morningstar Small-Cap Growth ETF	ISCG
iShares Morningstar Small-Cap Value ETF	ISCV
iShares Morningstar U.S. Equity ETF	ILCB
iShares Morningstar Value ETF	ILCV
iShares Mortgage Real Estate Capped ETF	REM
iShares MSCI ACWI ETF	ACWI
iShares MSCI ACWI ETF	ACWI
iShares MSCI ACWI ex US ETF	ACWX
iShares MSCI ACWI Low Carbon Target ETF	CRBN
iShares MSCI Agriculture Producers ETF	VEGI
iShares MSCI All Country Asia ex Jpn ETF	AAXJ

Name	Ticker
iShares MSCI Australia ETF	EWA
iShares MSCI Brazil ETF	EWZ
iShares MSCI Brazil ETF	EWZ
iShares MSCI Brazil Small-Cap ETF	EWZS
iShares MSCI Canada ETF	EWC
iShares MSCI Chile ETF	ECH
iShares MSCI China A ETF	CNYA
iShares MSCI China ETF	MCHI
iShares MSCI China ETF	MCHI
iShares MSCI Denmark ETF	EDEN
iShares MSCI EAFE ETF	EFA
iShares MSCI EAFE Growth ETF	EFG
iShares MSCI EAFE Min Vol Factor ETF	EFAV
iShares MSCI EAFE Small-Cap ETF	SCZ
iShares MSCI EAFE Value ETF	EFV
iShares MSCI Emerg Mkts Min Vol Fctr ETF	EEMV
iShares MSCI Emerging Markets Asia ETF	EEMA
iShares MSCI Emerging Markets ETF	EEM
iShares MSCI Emerging Markets Sm-Cp ETF	EEMS
iShares MSCI Emerging Mkts ex China ETF	EMXC
iShares MSCI Europe Financials ETF	EUFN
iShares MSCI Eurozone ETF	EZU
iShares MSCI France ETF	EWQ
iShares MSCI Germany ETF	EWG
iShares MSCI Global Energy Producers ETF	FILL
iShares MSCI Global Gold Miners ETF	RING
iShares MSCI Global Min Vol Factor ETF	ACWW
iShares MSCI Global Mtls&Mng Prdcrs ETF	PICK
iShares MSCI Global Silver&Mtls Mnrs ETF	SLVP
iShares MSCI Global Sust Dev Goals ETF	SDG
iShares MSCI Hong Kong ETF	EWH
iShares MSCI India ETF	INDA
iShares MSCI India Small-Cap ETF	SMIN
iShares MSCI Indonesia ETF	EIDO
iShares MSCI Intl Momentum Factor ETF	IMTM
iShares MSCI Intl Quality Factor ETF	IQLT

Name	Ticker
iShares MSCI Intl Small-Cap Mlftct ETF	ISCF
iShares MSCI Israel ETF	EIS
iShares MSCI Italy ETF	EWI
iShares MSCI Japan ETF	EWJ
iShares MSCI Japan Value ETF	EWJV
iShares MSCI KLD 400 Social ETF	DSI
iShares MSCI Malaysia ETF	EWM
iShares MSCI Mexico ETF	EWX
iShares MSCI Netherlands ETF	EWN
iShares MSCI Pacific ex Japan ETF	EPP
iShares MSCI Peru ETF	EPU
iShares MSCI Philippines ETF	EPHE
iShares MSCI Poland ETF	EPOL
iShares MSCI Saudi Arabia ETF	KSA
iShares MSCI Singapore ETF	EWS
iShares MSCI South Africa ETF	EZA
iShares MSCI South Korea ETF	EWY
iShares MSCI Spain ETF	EWP
iShares MSCI Spain ETF	EWP
iShares MSCI Sweden ETF	EWD
iShares MSCI Switzerland ETF	EWL
iShares MSCI Taiwan ETF	EWT
iShares MSCI Thailand ETF	THD
iShares MSCI Turkey ETF	TUR
iShares MSCI United Kingdom ETF	EWU
iShares MSCI USA Equal Weighted ETF	EUSA
iShares MSCI USA ESG Select ETF	SUSA
iShares MSCI USA Min Vol Factor ETF	USMV
iShares MSCI USA Momentum Factor ETF	MTUM
iShares MSCI USA Quality Factor ETF	QUAL
iShares MSCI USA Size Factor ETF	SIZE
iShares MSCI USA Sm-Cp Min Vol Fctr ETF	SMMV
iShares MSCI USA Value Factor ETF	VLUE
iShares MSCI World ETF	URTH
iShares National Muni Bond ETF	MUB
iShares New York Muni Bond ETF	NYF

Name	Ticker
iShares North American Natural Res ETF	IGE
iShares Paris-Aligned Clmt MSCI USA ETF	PABU
iShares Preferred&Income Securities ETF	PFF
iShares Rbtcs&Artfcl Intlgnc Mltsct ETF	IRBO
iShares Residential & Multisector RE ETF	REZ
iShares Russell 1000 ETF	IWB
iShares Russell 1000 Growth ETF	IWF
iShares Russell 1000 Value ETF	IWD
iShares Russell 2000 ETF	IWM
iShares Russell 2000 Growth ETF	IWO
iShares Russell 2000 Value ETF	IWN
iShares Russell 2500 ETF	SMMD
iShares Russell 3000 ETF	IWV
iShares Russell Mid-Cap ETF	IWR
iShares Russell Mid-Cap Growth ETF	IWP
iShares Russell Mid-Cap Value ETF	IWS
iShares Russell Top 200 ETF	IWL
iShares Russell Top 200 Growth ETF	IWY
iShares Russell Top 200 Value ETF	IWX
iShares S&P 100 ETF	OEF
iShares S&P 100 ETF	OEF
iShares S&P 500 Growth ETF	IWW
iShares S&P 500 Value ETF	IVE
iShares S&P GSCI Commodity-Indexed Trust	GSG
iShares S&P Mid-Cap 400 Growth ETF	IJK
iShares S&P Mid-Cap 400 Value ETF	IJJ
iShares S&P Small-Cap 600 Growth ETF	IJT
iShares S&P Small-Cap 600 Value ETF	IJS
iShares Select Dividend ETF	DVY
iShares Self-Driving EV and Tech ETF	IDRV
iShares Semiconductor ETF	SOXX
iShares Short Treasury Bond ETF	SHV
iShares Short Treasury Bond ETF	SHV
iShares Short-Term National Muni Bd ETF	SUB
iShares Silver Trust	SLV
iShares TIPS Bond ETF	TIP

Name	Ticker
iShares Transportation Average ETF	IYT
iShares Treasury Floating Rate Bond ETF	TFLO
iShares U.S. Equity Factor ETF	LRGF
iShares U.S. Small-Cap Eq Fac ETF	SMLF
iShares US & Intl High Yield Corp Bd ETF	GHYG
iShares US Aerospace & Defense ETF	ITA
iShares US Basic Materials ETF	IYM
iShares US Broker-Dealers&Secs Exchs ETF	IAI
iShares US Consumer Discretionary ETF	IYC
iShares US Consumer Staples ETF	IYK
iShares US Energy ETF	IYE
iShares US Financial Services ETF	IYG
iShares US Financials ETF	IYF
iShares US Healthcare ETF	IYH
iShares US Healthcare Providers ETF	IHF
iShares US Home Construction ETF	ITB
iShares US Industrials ETF	IYJ
iShares US Infrastructure ETF	IFRA
iShares US Insurance ETF	IAK
iShares US Medical Devices ETF	IHI
iShares US Oil & Gas Explor & Prod ETF	IEO
iShares US Oil Equipment & Services ETF	IEZ
iShares US Pharmaceuticals ETF	IHE
iShares US Real Estate ETF	IYR
iShares US Regional Banks ETF	IAT
iShares US Small Cap Value Factor ETF	SVAL
iShares US Tech Breakthrough Mltsctr ETF	TECB
iShares US Technology ETF	IYW
iShares US Telecommunications ETF	IYZ
iShares US Treasury Bond ETF	GOVT
iShares US Utilities ETF	IDU
iShares USD Green Bond ETF	BGRN
iShares® 0-3 Month Treasury Bond ETF	SGOV
iShares® ESG Advanced MSCI USA ETF	USXF
iShares® ESG Screened S&P 500 ETF	XVW
Janus Henderson Small Cap Gr Alpha ETF	JSML

Name	Ticker
Janus Henderson Small/Md Cp Gr Alpha ETF	JSMD
JHancock Multifactor Developed Intl ETF	JHMD
JHancock Multifactor Em Mkts ETF	JHEM
JHancock Multifactor Large Cap ETF	JHML
JHancock Multifactor Mid Cap ETF	JHMM
JHancock Multifactor Small Cap ETF	JHSC
JPMorgan BetaBuilders \$ HY Corp Bnd ETF	BBHY
JPMorgan BetaBuilders Canada ETF	BBCA
JPMorgan BetaBuilders Dev APAC ex-JpnETF	BBAX
JPMorgan BetaBuilders Emerging Mkt EqETF	BBEM
JPMorgan BetaBuilders Europe ETF	BBEU
JPMorgan BetaBuilders Intl Eq ETF	BBIN
JPMorgan BetaBuilders Japan ETF	BBJP
JPMorgan BetaBuilders MSCI US REIT ETF	BBRE
JPMorgan BetaBuilders US Aggt Bond ETF	BBAG
JPMorgan BetaBuilders US Equity ETF	BBUS
JPMorgan BetaBuilders US Mid Cap Eq ETF	BBMC
JPMorgan BetaBuilders US Sml Cp Eq ETF	BBSC
JPMorgan Divers Ret US Mid Cp Eq ETF	JPME
JPMorgan Divers Ret US Small Cap Eq ETF	JPSE
JPMorgan Diversified Return EMkts Eq ETF	JPEM
JPMorgan Diversified Return Intl Eq ETF	JPIN
JPMorgan Diversified Return US Eq ETF	JPUS
JPMorgan US Momentum Factor ETF	JMOM
JPMorgan US Quality Factor ETF	JQUA
JPMorgan US Value Factor ETF	JVAL
KraneShares Bosera MSCIChinaA50CntldETF	KBA
KraneShares California Carbon Allw ETF	KCCA
KraneShares CSI China Internet ETF	KWEB
KraneShares Eltc Vhl and Ft Mbly ETF	KARS
KraneShares Global Carbon ETF	KRBN
KraneShares MSCI All China Hlth Care ETF	KURE
KraneShares MSCI China Clean Tech ETF	KGRN
LeaderSharesTM AlphaFactor® US Cr Eq ETF	LSAF
Materials Select Sector SPDR® ETF	XLB
Multi-Asset Diversified Income ETF	MDIV

Name	Ticker
Nuveen ESG Emerging Markets Equity ETF	NUEM
Nuveen ESG High Yield Corporate Bd ETF	NUHY
Nuveen ESG Intl Dev Mkts Eq ETF	NUDM
Nuveen ESG Large-Cap Growth ETF	NULG
Nuveen ESG Large-Cap Value ETF	NULV
Nuveen ESG Mid-Cap Growth ETF	NUMG
Nuveen ESG Mid-Cap Value ETF	NUMV
Nuveen ESG Small-Cap ETF	NUSC
Nuveen ESG US Aggregate Bond ETF	NUBD
Nuveen Short-Term REIT ETF	NURE
Pacer Benchmark Data&Infras RE SCTR ETF	SRVR
Pacer Benchmark Industrial RE SCTR ETF	INDS
Pacer Dev Mkts Intl Csh Cows 100 ETF	ICOW
Pacer Global Cash Cows Dividend ETF	GCOW
Pacer Lunt Large Cap Alternator ETF	ALTL
Pacer Lunt Large Cap Mlt Ftr Alt ETF	PALC
Pacer Metaurus US Lg Cp Dvd Mltp 400 ETF	QDPL
Pacer Trendpilot International ETF	PTIN
Pacer Trendpilot US Bond ETF	PTBD
Pacer Trendpilot™ 100 ETF	PTNQ
Pacer Trendpilot™ US Large Cap ETF	PTLC
Pacer Trendpilot™ US Mid Cap ETF	PTMC
Pacer US Cash Cows 100 ETF	COWZ
Pacer US Small Cap Cash Cows 100 ETF	CALF
PIMCO 0-5 Year High Yield Corp Bd ETF	HYS
PIMCO 1-5 Year US TIPS Index ETF	STPZ
PIMCO 15+ Year US TIPS ETF	LTPZ
PIMCO 25+ Year Zero Coupon US Trs ETF	ZROZ
PIMCO Broad US TIPS ETF	TIPZ
PIMCO Investment Grade Corporate Bd ETF	CORP
PIMCO RAFI Dyn Multi-Factor Intl Eq ETF	MFDX
ProShares DJ Brookfield Global Infrs	TOLZ
ProShares High Yield—Interest Rate Hdgd	HYHG
ProShares Investment Grade—Intr Rt Hdgd	IGHG
ProShares Large Cap Core Plus	CSM
ProShares Online Retail ETF	ONLN

Name	Ticker
ProShares Russell 2000 Dividend Growers	SMDV
ProShares S&P 500 Dividend Aristocrats	NOBL
ProShares S&P MidCap 400 Dividend Arst	REGL
ProShares S&PTech Div Arstcrts ETF	TDV
Real Estate Select Sector SPDR®	XLRE
Renaissance IPO ETF	IPO
Robo Global® Hlthcare Tech & Innovt ETF	HTEC
Robo Global® Robotics&Automation ETF	ROBO
Roundhill Ball Metaverse ETF	METV
Roundhill Sports Betting & iGaming ETF	BETZ
Schwab 1000 ETF	SCHK
Schwab 1-5 Year Corporate Bond ETF	SCHJ
Schwab 5-10 Year Corp Bd ETF	SCHI
Schwab Emerging Markets Equity ETF™	SCHE
Schwab Fundamental Emerg Mkts Lg Co ETF	FNDE
Schwab Fundamental Intl Lg Co ETF	FNDF
Schwab Fundamental Intl Sm Co ETF	FNDC
Schwab Fundamental US Broad Market ETF	FNDB
Schwab Fundamental US Large Company ETF	FNDX
Schwab Fundamental US Small Company ETF	FNDA
Schwab Intermediate-Term US Trs ETF™	SCHR
Schwab International Dividend Equity ETF	SCHY
Schwab International Equity ETF™	SCHF
Schwab International Small-Cap Eq ETF™	SCHC
Schwab Long-Term US Treasury ETF	SCHQ
Schwab Short-Term US Treasury ETF™	SCHO
Schwab US Aggregate Bond ETF™	SCHZ
Schwab US Broad Market ETF™	SCHB
Schwab US Dividend Equity ETF™	SCHD
Schwab US Large-Cap ETF™	SCHX
Schwab US Large-Cap Growth ETF™	SCHG
Schwab US Large-Cap Value ETF™	SCHV
Schwab US Mid-Cap ETF™	SCHM
Schwab US REIT ETF™	SCHH
Schwab US Small-Cap ETF™	SCHA
Schwab US TIPS ETF™	SCHP

Name	Ticker
SoFi Select 500 ETF	SFY
SP Funds S&P 500 Sharia Industry Ex ETF	SPUS
SPDR S&P® North American Natural Res ETF	NANR
SPDR® Blmbg 1-10 Year TIPS ETF	TIPX
SPDR® Blmbg 1-3 Mth T-Bill ETF	BIL
SPDR® Blmbg 1-3 Mth T-Bill ETF	BIL
SPDR® Blmbg Convert Secs ETF	CWB
SPDR® Blmbg Em Mkts Lcl Bd ETF	EBND
SPDR® Blmbg High Yield Bd ETF	JNK
SPDR® Blmbg Intl Corp Bd ETF	IBND
SPDR® Blmbg Intl Trs Bd ETF	BWX
SPDR® Blmbg Inv Grd Flt Rt ETF	FLRN
SPDR® Blmbg ST HY Bd ETF	SJNK
SPDR® Blmbg ST Intrn TrsBd ETF	BWZ
SPDR® Bloomberg 3-12 Mth TBill ETF	BILS
SPDR® Bloomberg EM USD Bd ETF	EMHC
SPDR® Dow Jones Global Real Estate ETF	RWO
SPDR® Dow Jones Industrial Avrg ETF Tr	DIA
SPDR® Dow Jones International RelEst ETF	RWX
SPDR® Dow Jones REIT ETF	RWR
SPDR® EURO STOXX 50 ETF	FEZ
SPDR® FTSE Intl Govt Infl-Protgd Bd ETF	WIP
SPDR® Gold MiniShares	GLDM
SPDR® Gold Shares	GLD
SPDR® ICE Preferred Securities ETF	PSK
SPDR® Kensho Clean Power ETF	CNRG
SPDR® MSCI ACWI ex-US ETF	CWI
SPDR® MSCI USA StrategicFactors ETF	QUS
SPDR® Nuveen Blmbg Hi Yld Muncpl Bd ETF	HYMB
SPDR® Nuveen Blmbg Muni Bd ETF	TFI
SPDR® Nuveen Blmbg ST MunBd ETF	SHM
SPDR® NYSE Technology ETF	XNTK
SPDR® Port S&P 1500 Comps Stk Mkt ETF	SPTM
SPDR® Portfolio Aggregate Bond ETF	SPAB
SPDR® Portfolio Corporate Bond ETF	SPBO
SPDR® Portfolio Developed Wld ex-US ETF	SPDW

Name	Ticker
SPDR® Portfolio Emerging Markets ETF	SPEM
SPDR® Portfolio Europe ETF	SPEU
SPDR® Portfolio High Yield Bond ETF	SPHY
SPDR® Portfolio Interm Term Corp Bd ETF	SPIB
SPDR® Portfolio Intmtd Term Trs ETF	SPTI
SPDR® Portfolio Intmtd Term Trs ETF	SPTI
SPDR® Portfolio Long Term Corp Bd ETF	SPLB
SPDR® Portfolio Long Term Treasury ETF	SPTL
SPDR® Portfolio Mortgage Backed Bond ETF	SPMB
SPDR® Portfolio MSCI Global Stk Mkt ETF	SPGM
SPDR® Portfolio S&P 400 Mid Cap ETF	SPMD
SPDR® Portfolio S&P 500 ETF	SPLG
SPDR® Portfolio S&P 500 Growth ETF	SPYG
SPDR® Portfolio S&P 500 High Div ETF	SPYD
SPDR® Portfolio S&P 500 Value ETF	SPYV
SPDR® Portfolio S&P 600 Sm Cap ETF	SPSM
SPDR® Portfolio Short Term Corp Bd ETF	SPSB
SPDR® Portfolio Short Term Treasury ETF	SPTS
SPDR® Portfolio TIPS ETF	SPIP
SPDR® Russell 1000® Yield Focus ETF	ONEY
SPDR® S&P 1500 Value Tilt ETF	VLU
SPDR® S&P 400 Mid Cap Growth ETF	MDYG
SPDR® S&P 400 Mid Cap Value ETF	MDYV
SPDR® S&P 500 ETF Trust	SPY
SPDR® S&P 500 Fossil Fuel Rsrv Free ETF	SPYX
SPDR® S&P 500® ESG ETF	EFIV
SPDR® S&P 600 Small Cap Growth ETF	SLYG
SPDR® S&P 600 Small Cap Value ETF	SLYV
SPDR® S&P Aerospace & Defense ETF	XAR
SPDR® S&P Bank ETF	KBE
SPDR® S&P Biotech ETF	XBI
SPDR® S&P Capital Markets ETF	KCE
SPDR® S&P China ETF	GXC
SPDR® S&P Dividend ETF	SDY
SPDR® S&P Global Natural Resources ETF	GNR
SPDR® S&P Health Care Equipment ETF	XHE

Name	Ticker
SPDR® S&P Homebuilders ETF	XHB
SPDR® S&P Insurance ETF	KIE
SPDR® S&P International Small Cap ETF	GWX
SPDR® S&P Kensho New Economies Comps ETF	KOMP
SPDR® S&P Metals and Mining ETF	XME
SPDR® S&P MIDCAP 400 ETF Trust	MDY
SPDR® S&P Oil & Gas Equipment&Svcs ETF	XES
SPDR® S&P Oil & Gas Explor & Prodrn ETF	XOP
SPDR® S&P Pharmaceuticals ETF	XPH
SPDR® S&P Regional Banking ETF	KRE
SPDR® S&P Retail ETF	XRT
SPDR® S&P Semiconductor ETF	XSD
SPDR® S&P Software & Services ETF	XSW
SPDR® S&P Transportation ETF	XTN
SPDR® SSGA US Large Cap Low Volatil ETF	LGLV
Sprott Gold Miners ETF	SGDM
Sprott Junior Gold Miners ETF	SGDJ
Sprott Uranium Miners ETF	URNM
Strategy Shares Nasdaq 7 Handl™ ETF	HNDL
Strive 500 ETF	STRV
Strive U.S. Energy ETF	DRLL
TCW Transform 500 ETF	VOTE
Technology Select Sector SPDR® ETF	XLK
Teucrium Wheat ETF	WEAT
The 3D Printing ETF	PRNT
Timothy Plan High Dividend Stock ETF	TPHD
Timothy Plan US Large/Mid Cap Core ETF	TPLC
Tortoise North American Pipeline	TPYP
United States 12 Month Oil	USL
United States Brent Oil	BNO
United States Commodity Index	USCI
United States Natural Gas	UNG
United States Oil	USO
US Global Jets ETF	JETS
US Treasury 2 Year Note ETF	UTWO
US Treasury 3 Month Bill ETF	TBIL

Name	Ticker
Utilities Select Sector SPDR® ETF	XLU
VanEck Agribusiness ETF	MOO
VanEck Biotech ETF	BBH
VanEck EM High Yield Bond ETF	HYEM
VanEck Fallen Angel HiYld Bd ETF	ANGL
VanEck Gold Miners ETF	GDX
VanEck High Yield Muni ETF	HYD
VanEck IG Floating Rate ETF	FLTR
VanEck Intermediate Muni ETF	ITM
VanEck JPMorgan EMLcl Ccy Bd ETF	EMLC
VanEck Junior Gold Miners ETF	GDXJ
VanEck Long Muni ETF	MLN
VanEck Merk Gold Trust	OUNZ
VanEck Morningstar Intl Moat ETF	MOTI
VanEck Morningstar Wide Moat ETF	MOAT
VanEck Mortgage REIT Income ETF	MORT
VanEck Natural Resources ETF	HAP
VanEck Oil Services ETF	OIH
VanEck Pharmaceutical ETF	PPH
VanEck Pref Secs ex Fincls ETF	PFXF
VanEck Rare Earth/Strat Mtls ETF	REMX
VanEck Semiconductor ETF	SMH
VanEck Short High Yield Muni ETF	SHYD
VanEck Short Muni ETF	SMB
VanEck Steel ETF	SLX
VanEck Vdo Gaming and eSpts ETF	ESPO
VanEck Vietnam ETF	VNM
Vanguard Communication Services ETF	VOX
Vanguard Consumer Discretionary ETF	VCR
Vanguard Consumer Staples ETF	VDC
Vanguard Dividend Appreciation ETF	VIG
Vanguard Emerging Mkts Govt Bd ETF	VWOB
Vanguard Energy ETF	VDE
Vanguard ESG International Stock ETF	VSGX
Vanguard ESG US Corporate Bond ETF	VCEB
Vanguard ESG US Stock ETF	ESGV

Name	Ticker
Vanguard Extended Duration Trs ETF	EDV
Vanguard Extended Market ETF	VXF
Vanguard Financials ETF	VFH
Vanguard FTSE All-Wld ex-US ETF	VEU
Vanguard FTSE All-Wld ex-US SmCp ETF	VSS
Vanguard FTSE Developed Markets ETF	VEA
Vanguard FTSE Emerging Markets ETF	VWO
Vanguard FTSE Europe ETF	VGK
Vanguard FTSE Pacific ETF	VPL
Vanguard Global ex-US Real Est ETF	VNQI
Vanguard Growth ETF	VUG
Vanguard Growth ETF	VUG
Vanguard Health Care ETF	VHT
Vanguard High Dividend Yield ETF	VYM
Vanguard Industrials ETF	VIS
Vanguard Information Technology ETF	VGIT
Vanguard Interm-Term Bond ETF	BIV
Vanguard Interm-Term Corp Bd ETF	VCIT
Vanguard Intl Div Apprec ETF	VIGI
Vanguard Intl Hi Div Yld Idx ETF	VYMI
Vanguard Intmdt-Term Trs ETF	VGIT
Vanguard Large-Cap ETF	VV
Vanguard Long-Term Bond ETF	BLV
Vanguard Long-Term Corporate Bd ETF	VCLT
Vanguard Long-Term Treasury ETF	VGLT
Vanguard Materials ETF	VAW
Vanguard Mega Cap ETF	MGC
Vanguard Mega Cap Growth ETF	MGK
Vanguard Mega Cap Value ETF	MGV
Vanguard Mid-Cap ETF	VO
Vanguard Mid-Cap Growth ETF	VOT
Vanguard Mid-Cap Value ETF	VOE
Vanguard Mortgage-Backed Secs ETF	VMBS
Vanguard Real Estate ETF	VNQ
Vanguard Russell 1000 ETF	VONE
Vanguard Russell 1000 Growth ETF	VONG

Name	Ticker
Vanguard Russell 1000 Value ETF	VONV
Vanguard Russell 2000 ETF	VTWO
Vanguard Russell 2000 Growth ETF	VTWG
Vanguard Russell 2000 Value ETF	VTWV
Vanguard Russell 3000 ETF	VTHR
Vanguard S&P 500 ETF	VOO
Vanguard S&P 500 ETF	VOO
Vanguard S&P 500 Growth ETF	VOOG
Vanguard S&P 500 Value ETF	VOOV
Vanguard S&P Mid-Cap 400 ETF	IVOO
Vanguard S&P Mid-Cap 400 Growth ETF	IVOG
Vanguard S&P Mid-Cap 400 Value ETF	IVOV
Vanguard S&P Small-Cap 600 ETF	VIOO
Vanguard S&P Small-Cap 600 Growth ETF	VIQG
Vanguard S&P Small-Cap 600 Value ETF	VIOV
Vanguard Short-Term Bond ETF	BSV
Vanguard Short-Term Corporate Bond ETF	VCSH
Vanguard Short-Term Infl-Prot Secs ETF	VTIP
Vanguard Short-Term Treasury ETF	VGSH
Vanguard Small-Cap ETF	VB
Vanguard Small-Cap Growth ETF	VBK
Vanguard Small-Cap Value ETF	VBR
Vanguard Tax-Exempt Bond ETF	VTEB
Vanguard Total Bond Market ETF	BND
Vanguard Total Corporate Bond ETF	VTC
Vanguard Total International Bond ETF	BNDX
Vanguard Total International Stock ETF	VXUS
Vanguard Total Stock Market ETF	VTI
Vanguard Total World Bond ETF	BNDW
Vanguard Total World Stock ETF	VT
Vanguard Total World Stock ETF	VT
Vanguard Utilities ETF	VPU
Vanguard Value ETF	VTV
VictoryShares Dividend Accelerator ETF	VSDA
VictoryShares International Val MomtETF	UIVM
VictoryShares US 500 Enh Vol Wtd ETF	CFO



Name	Ticker
VictoryShares US 500 Volatility Wtd ETF	CFA
VictoryShares US EQ Inc Enh Vol Wtd ETF	CDC
VictoryShares US LgCp Hi Div Vol Wtd ETF	CDL
VictoryShares US Mult-Fctr Mnmm Vltl ETF	VSMV
VictoryShares US Sm Md Cp Val Momt ETF	USVM
VictoryShares US SmCp Hi Div Vol Wtd ETF	CSB
Vident International Equity Strategy ETF	VIDI
Vident U.S. Bond Strategy ETF	VBND
Vident U.S. Equity Strategy ETF	VUSE
Virtus Terranova US Quality Momentum ETF	JOET
Wahed FTSE USA Shariah ETF	HLAL
WisdomTree China ex-State-Owd Entpr ETF	CXSE
WisdomTree Cloud Computing ETF	WCLD
WisdomTree Dyn Ccy Hdgd Intl SmCp Eq ETF	DDLS
WisdomTree Dynamic Ccy Hdgd Intl Eq ETF	DDWM
WisdomTree Emerging Markets High Div ETF	DEM
WisdomTree Emerging Markets SmCp Div ETF	DGS
WisdomTree EmMkts ex-Stt-Ownd EntrprsETF	XSOE
WisdomTree Europe Hedged Equity ETF	HEDJ
WisdomTree Europe SmallCap Dividend ETF	DFE
WisdomTree Floating Rate Treasury ETF	USFR
WisdomTree Global ex-US Qual Div Gr ETF	DNL
WisdomTree Global High Dividend ETF	DEW
WisdomTree India Earnings ETF	EPI
WisdomTree Interest Rt Hdg Hi Yld Bd ETF	HYZD
WisdomTree Interest RtHdgUS Aggt Bd ETF	AGZD

Name	Ticker
WisdomTree International Equity ETF	DWM
WisdomTree International High Div ETF	DTH
WisdomTree International LargeCp Div ETF	DOL
WisdomTree International Qual Div Gr ETF	IQDG
WisdomTree International SmallCp Div ETF	DLS
WisdomTree Intl Hdgd Qual Div Gr ETF	IHDG
WisdomTree Japan Hedged Equity ETF	DXJ
WisdomTree Japan SmallCap Dividend ETF	DFJ
WisdomTree U.S. MidCap Earnings ETF	EZM
WisdomTree US Earnings 500 ETF	EPS
WisdomTree US Hi Yld Corp Bd	WFHY
WisdomTree US High Dividend ETF	DHS
WisdomTree US High Dividend ETF	DHS
WisdomTree US LargeCap Dividend ETF	DLN
WisdomTree US LargeCap Dividend ETF	DLN
WisdomTree US MidCap Dividend ETF	DON
WisdomTree US Multifactor	USMF
WisdomTree US Quality Dividend Gr ETF	DGRW
WisdomTree US Quality Dividend Gr ETF	DGRW
WisdomTree US SmallCap Dividend ETF	DES
WisdomTree US SmallCap Earnings ETF	EES
WisdomTree US SmallCap Earnings ETF	EES
WisdomTree US SmallCap Qual Div Gr ETF	DGRS
WisdomTree US Total Dividend ETF	DTD
WisdomTree Voya Yld Enh USD Unvsl Bd Fd	UNYI
WisdomTree Yield Enhanced US Aggt Bd ETF	AGGY

Name	Ticker
Xtrackers EM CarbReduc&ClimtImprvs ETF	EMCR
Xtrackers Harvest CSI 300 China A ETF	ASHR
Xtrackers International Real Estate ETF	HAUZ
Xtrackers MSCI All World exUS Hdg Eq ETF	DBAW
Xtrackers MSCI EAFE Hedged Equity ETF	DBEF
Xtrackers MSCI EAFE High Div Yld Eq ETF	HDEF
Xtrackers MSCI Europe Hedged Equity ETF	DBEU
Xtrackers MSCI Japan Hedged Equity ETF	DBJP
Xtrackers MSCI USA Clmt Actn Eq ETF	USCA
Xtrackers MSCI USA ESG Leaders Eq ETF	USSG
Xtrackers Municipal Infrass Rev Bd ETF	RVNU
Xtrackers S&P 500 ESG ETF	SNPE
Xtrackers Russell US Multifactor ETF	DEUS
Xtrackers S&P 500 ESG ETF	SNPE
Xtrackers USD High Yield Corp Bd ETF	HYLB
First Trust Multi Cap Val AlphaDEX® ETF	FAB
IQ Candriam International Equity ETF	IQSI
FlexShares US Quality Large Cap ETF	QLC
WisdomTree Global High Dividend ETF	DEW
iShares North Amer Tech-Multimd Ntwk ETF	IGN
VictoryShares US Value Momentum ETF	ULVM

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