

MAP ETF FUND CHOICE LIST

Fund Name	Ticker	Cusip	Global Broad Category Group	Morningstar Institutional Category	Equity Style Box (Long)
Alerian MLP ETF	AMPL	00162Q452	Equity	Domestic Energy	Mid Blend
Amplify Blockchain Technology ETF	BLOK	032108607	Equity	N/A	Mid Blend
AMPLIFY CWP ENHANCED DIVIDEND INCOME ETF	DIVO	032108409	Equity	N/A	Large Blend
ARK AUTONOMOUS TECHNOLOGY & ROBOTICS ETF	ARKQ	00214Q203	Equity	Technology	
ARK GENOMIC REVOLUTION ETF	ARKG	00214Q302	Equity	Health Care	
ARK INNOVATION ETF	ARKK	00214Q104	Equity	Mid Cap Growth	
ARK NEXT GENERATION INTERNET ETF	ARKW	00214Q401	Equity	Technology	
Blackrock Short Duration Bond ETF	NEAR	46431W507	Fixed Income	Ultrashort Investment Grade	
Blackrock US Equity Factor Rotation ETF	DYNF	09290C103	Equity	Large Blend	Large Blend
Capital Group Core Balanced ETF	CGBL	14021D107	Equity	Moderate Allocation	Large Blend
Capital Group Core Bond ETF	CGCB	14020Y508	Equity	Intermediate Core-Plus Bond	Medium/ Moderate
Capital Group Core Equity ETF	CGUS	14020V108	Equity	US Fund Large Blend	Large Blend
Capital Group Core Plus Income ETF	CGCP	14020Y102	Equity	Intermediate Core-Plus Bond	Medium/ Moderate
Capital Group Dividend Growers ETF	CGDG	14021L109	Equity	Large-Stock Blend	Large Blend
Capital Group Dividend Value ETF	CGDV	14020W106	Equity	US Fund Large Value	Large Blend
Capital Group Global Growth Equity ETF	CGGO	14020X104	Equity	US Fund Large Growth	Large Growth
Capital Group Growth ETF	CGGR	14020G101	Equity	US Fund Large Growth	Large Growth
Capital Group International Equity ETF	CGIE	14021M107	Equity	Foreign Large Growth	Large Growth
Capital Group International Focus Equity ETF	CGXU	14019W109	Equity	US Fund Large Growth	Large Growth
Capital Group Municipal Income ETF	CGMU	14020Y201	Equity	Muni National Intermediate	
Capital Group Short Duration ETF	CGSD	14020Y409	Equity	Short Term Bond	Medium/ Limited
Capital Group Short Duration Municipal Income ETF	CGSM	14020Y607	Equity	Muni National Short	Medium/ Limited
Capital Group US Multi-Sector ETF	CGMS	14020Y300	Equity	Multi Sector Bond	Medium/ Limited
Deutsche X-trackers MSCI EAFE Hedged Eq	DBEF	233051200	Equity	Foreign Large Core	Large Blend
FIDELITY MSCI CONSUMER STAPLES INDEX	FSTA	316092303	Equity	Consumer Defensive	Consumer Defensive
FIDELITY MSCI REAL ESTATE INDEX ETF	FREL	316092857	Equity	Real Estate	Real Estate
Fidelity® MSCI Consumer Discret ETF	FDIS	316092204	Equity	Consumer Cyclical	Large Growth
Fidelity® MSCI Consumer Staples ETF	FSTA	316092303	Equity	Consumer Defensive	Large Blend
Fidelity® MSCI Energy ETF	FENY	316092402	Equity	Domestic Energy	Large Value
Fidelity® MSCI Financials ETF	FNCL	316092501	Equity	Domestic Financial	Large Value
Fidelity® MSCI Health Care ETF	FHLC	316092600	Equity	Health Care	Large Growth
Fidelity® MSCI Industrials ETF	FIDU	316092709	Equity	Industrials	Large Blend
Fidelity® MSCI Information Tech ETF	FTEC	316092808	Equity	Technology	Large Growth
Fidelity® MSCI Utilities ETF	FUTY	316092865	Equity	Utilities	Mid Value
Fidelity® Nasdaq Composite Tr Stk ETF	ONEQ	315912808	Equity	Large Growth	Large High Growth
Financial Select Sector SPDR® ETF	XLF	81369Y605	Equity	Domestic Financial	Large Value
First Tr Morningstar Dividend Leaders Index Fund	FDL	336917109	Equity	Large Deep Value	Large Value
First Trust Capital Strength ETF	FTCS	33733E104	Equity	Large Deep Value	Large Blend
First Trust Cloud Computing ETF	SKYY	33734X192	Equity	Technology	Large Growth
First Trust Consumer Discretionary Alphadex Fund	FXD	33734X101	Equity	Consumer Cyclical	Mid Growth
First Trust Dorsey Wright Focus 5 ETF	FV	33738R605	Equity	Mid Core Growth	Mid Growth
First Trust Dow Jones Global Select Dividend Ix Fd	FGD	33734X200	Equity	World Large Value	Mid Value
First Trust Dow Jones Internet ETF	FDN	33733E302	Equity	Technology	Large Growth
First Trust Emerging Mkts AlphaDEX® ETF	FEM	33737J182	Equity	Diversified Emerging Markets	Large Value
First Trust Energy AlphaDEX® ETF	FXN	33734X127	Equity	Domestic Energy	Mid Value
First Trust Financials AlphaDEX® ETF	FXO	33734X135	Equity	Domestic Financial	Mid Value
First Trust Global Tact Cmdty Strat ETF	FTGC	33739H101	Equity	Commodities Broad Basket	Commodities
First Trust Global Wind Energy ETF	FAN	33736G106	Equity	World Energy	Mid Blend
First Trust Health Care AlphaDEX® ETF	FXH	33734X143	Equity	Health Care	Large Growth
First Trust IndUstrials/Producer Drbls Alphadex Fd	FXR	33734X150	Equity	Industrials	Mid Blend
First Trust Large Cap Val AlphaDEX® ETF	FTA	33735J101	Equity	Large Deep Value	Large Value
First Trust Materials AlphaDEX® ETF	FXZ	33734X168	Equity	Materials	Mid Value
First Trust Multi-Asset Diversified Income ETF	MDIV	33738R100	Allocation	Moderate Allocation	Mid Value
First Trust Nasdaq Cln Edge Smart Grid Infra Ix Fd	GRID	33737A108	Equity	Infrastructure	
First Trust Nasdaq Semiconductor ETF	FTXL	33738R811	Equity	Technology	Growth Value
First Trust NASDAQ Technology Div ETF	TDIV	33738R118	Equity	Technology	Large Value
First Trust NASDAQ® Cln Edge® GrnEngyETF	QCLN	33733E500	Equity	Domestic Energy	Mid Growth
First Trust NASDAQ® Cybersecurity ETF	CIBR	33734X846	Equity	Technology	Large Value
First Trust NASDAQ-100 Equal Wtd ETF	QQEW	337344105	Equity	Large Core Growth	Large Growth
First Trust NASDAQ-100-Tech Sector ETF	QTEC	337345102	Equity	Technology	Large Growth
First Trust Natural Gas ETF	FCG	33733E807	Equity	Domestic Energy	Mid Blend
First Trust North Amer Engy InfrasETF	EMPL	33738D101	Equity	Domestic Energy	Mid Value
First Trust Preferred Sec & Inc ETF	FPE	33739E108	Fixed Income	BBB-Rated	Mid Value
First Trust Rba Amer Industrial Renaissance ETF	AIRR	33738R704	Equity	Industrials	Industrials
First Trust Senior Loan ETF	FTSL	33738D309	Fixed Income	Bank Loan	
First Trust Small Cap Core AlphaDEX® ETF	FYX	33734Y109	Equity	Small Core	Small Blend
First Trust Small Cap Gr AlphaDEX® ETF	FYC	33737M300	Equity	Small Core Growth	Small Growth
First Trust STOXX® European Sel Div ETF	FDD	33735T109	Equity	Europe	Large Value
First Trust Tactical High Yield ETF	HYLS	33738D408	Fixed Income	Nontraditional Bond	
First Trust Technology AlphaDEX® ETF	FXL	33734X176	Equity	Technology	Mid Growth
First Trust US Equity Opportunities ETF	FPX	336920103	Equity	Large Core Growth	Large Growth
First Trust Utilities AlphaDEX® ETF	FXU	33734X184	Equity	Utilities	Mid Value
First Trust Value Line® Dividend ETF	FVD	33734H106	Equity	Large Deep Value	Large Value
First Trust Vest Laddered Buffer ETF	BUFR	33740F755	Equity	First Trust	First Trust
First Trust Vest Laddered Deep Buffer ETF	BUFD	33740U703	Equity	Option Trading	Large Growth
First Vest Fund Of Nasdaq-100 Buffer Etf	BUFO	33740U752	Equity	Option Trading	Large Growth
FlexShares iBoxx 3Yr Target Dur TIPS ETF	TDIT	33939L506	Fixed Income	Inflation-Protected Bond	
FlexShares iBoxx 5Yr Target Dur TIPS ETF	TDTF	33939L605	Fixed Income	Inflation-Protected Bond	
FlexShares Intl Qual Div ETF	IQDF	33939L837	Equity	Foreign Large Value	Large Value
FlexShares Mstar GblI Upstrm Nat Res ETF	GUNR	33939L407	Equity	Materials	Large Value
GLOBAL X CLOUD COMPUTING ETF	CLOU	37954Y442	Equity	Technology	
Global X Copper Miners ETF	COPX	37954Y830	Equity	Materials	Mid Value
GLOBAL X FINTECH ETF	FINX	37954Y814	Equity	Technology	
GLOBAL X LITHIUM & BATTERY TECH ETF	LIT	37954Y855	Equity	Natural Resources	
Global X MLP & Energy Infrastructure ETF	MLPX	37954Y293	Equity	Domestic Energy	Large Blend
Global X MLP ETF	MLPA	37954Y343		Energy Limited Partnership	

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Global X NASDAQ 100 Covered Call ETF	QYLD	37954Y483	Equity		
GLOBAL X ROBOTICS & ARTIFICIAL INTELLIGENCE ETF	BOTZ	37954Y715	Equity	Miscellaneous Sector	
Global X Silver Miners ETF	SIL	37954Y848	Equity	Precious Metals	Small Blend
Global X U.S. Preferred ETF	PFFD	37954Y657	Equity	Preferred Stock	
GLOBAL X US INFRASTRUCTURE DEVELOPMENT ETF	PAYE	37954Y673	Equity		
Goldman Sachs Nasdaq-100 Premium Income ETF	GPIQ	38149W630	Equity	Derivative Income	Derivative Income
Industrial Select Sector SPDR® ETF	XLI	81369Y704	Equity	Industrials	Large Blend
INNOVATOR DEFINED WEALTH SHIELD ETF	BALT	45783Y855	Alternative	US Fund Large Cap	Large Blend
Innovator Emerging Markets Power Buffer ETF - Jan	ejan	45782C516	Alternative	US Fund Diversified Emerging Mkts	Emerging Mkts
Innovator Emerging Markets Power Buffer ETF - Jul	ejul	45782C714	Alternative	US Fund Options-based	Option Based
Innovator Equity Defined Protctn ETF 6 Mo Jan/Jul	JA1L	45783Y244	Alternative	US Fund Options-based	Option Based
Innovator Equity Defined Protection ETF 1 Yr July	ZJUL	45783Y251	Alternative	US Fund Options-based	Option Based
Innovator Equity Managed Floor ETF	SFLR	45783Y673	Alternative		
Innovator Growth-100 Power Buffer ETF - April	napr	45782C334	Alternative	US Fund Large Blend	Large Blend
Innovator Growth-100 Power Buffer ETF - January	njan	45782C466	Alternative	US Fund Large Blend	Large Blend
Innovator Growth-100 Power Buffer ETF - October	noct	45782C615	Alternative	US Fund Options-based	Option Based
Innovator Intl Developed Power Buffer ETF - Jan	ijan	45782C524	Alternative	US Fund Foreign Large Blend	Large Blend
Innovator Intl Developed Power Buffer ETF - July	ijul	45782C722	Alternative	US Fund Options-based	Option Based
INNOVATOR LADDERED ALLOCATION POWER BUFFER ETF	BUFF	45783Y814	Alternative	US Fund Options-based	Large Blend
Innovator US Equity Buffer ETF - April	bapr	45782C888	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - August	baug	45782C698	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - December	bdec	45782C557	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - February	bfeb	45782C433	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - January	bjan	45782C409	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - July	bjul	45782C789	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - June	bjun	45782C755	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - March	bmar	45782C391	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - May	bmay	45782C326	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - November	bnov	45782C581	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - October	boct	45782C771	Alternative	US Fund Options-based	Option Based
Innovator US Equity Buffer ETF - September	bsep	45782C664	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - April	papr	45782C870	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - August	paug	45782C680	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - December	pdec	45782C540	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - February	pfeb	45782C417	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - January	pjan	45782C508	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - July	pjul	45782C813	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - June	pjun	45782C748	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - March	pmar	45782C383	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - May	pmay	45782C318	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - November	pnov	45782C573	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - October	poct	45782C797	Alternative	US Fund Options-based	Option Based
Innovator US Equity Power Buffer ETF - September	psep	45782C656	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - April	uapr	45782C805	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - August	uaug	45782C672	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - December	udec	45782C532	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - February	ufeb	45782C425	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - January	ujan	45782C300	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - July	ujul	45782C839	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - June	ujun	45782C730	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - March	umar	45782C375	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - May	umay	45782C292	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - November	unov	45782C565	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - October	uoct	45782C821	Alternative	US Fund Options-based	Option Based
Innovator US Equity Ultra Buffer ETF - September	usep	45782C649	Alternative	US Fund Options-based	Option Based
Innovator US Small Cap Power Buffer ETF - April	kapr	45782C342	Alternative	US Fund Small Blend	Small Blend
Innovator US Small Cap Power Buffer ETF - January	kjan	45782C474	Alternative	US Fund Small Blend	Small Blend
Innovator US Small Cap Power Buffer ETF - October	koct	45782C599	Alternative	US Fund Options-based	Option Based
Invesco Aerospace & Defense ETF	PPA	46137V100	Equity	Industrials	Mid Blend
Invesco Bloomberg Enhanced Fallen Angels ETF	IFLN	46138E719	Fixed Income	High Yield Bond	
Invesco CEF Income Composite ETF	PCEF	46138E404	Allocation	Conservative Allocation	Large Blend
INVESCO China Technology ETF	CQQQ	46138E800	Equity	China	Large Growth
Invesco DB Oil Fund	DBO	46140H403	Equity		
Invesco Emerging Markets Sov Dbt ETF	PCY	46138E784	Fixed Income	Emerging Markets Bond	
Invesco Financial Preferred ETF	PGF	46137V621	Fixed Income	Intermediate Investment Grade (4-6)	
Invesco FTSE RAFI Dev Mkts ex-US ETF	PIXF	46138E743	Equity	Foreign Large Value	Large Value
Invesco FTSE RAFI Emerging Mkts ETF	PXH	46138E727	Equity	Diversified Emerging Markets	Large Value
Invesco FTSE RAFI US 1000 ETF	PRF	46137V613	Equity	Large Deep Value	Large Value
Invesco FTSE RAFI US 1500 Sm-Mid ETF	PRFZ	46137V597	Equity	Small Relative Value	Small Blend
Invesco Global Listed Private Eq ETF	PSP	46137V118	Equity	World Financial	Mid Blend
Invesco High Yld Eq Div Achiev™ ETF	PEY	46137V563	Equity	All-Cap Value	Mid Value
Invesco Intl Div Achiev ETF	PID	46137V548	Equity	Foreign Large Core	Large Value
Invesco KBW Bank ETF	KBWB	46138E628	Equity	Domestic Financial	Large Value
Invesco KBW High Div Yld Fincl ETF	KBWD	46138E610	Equity	Domestic Financial	Small Value
Invesco NASDAQ Internet ETF	PNQI	46137V530	Equity	Technology	Large Growth
Invesco NASDAQ Next Gen 100 ETF	QQQQ	46138G631	Equity	Large Growth	Large Growth
Invesco National AMT-Free MuniBd ETF	PZA	46138E537	Tax Preferred	Muni Insured	
INVESCO OPTIMUM YIELD DIVERSIFIED COMMODITY STRATEGY K1 ETF TR	PDBC	46090F100	Equity	Diversified Emerging Markets	Large Value
Invesco Phlx Semiconductor ETF	SOXQ	46138G615	Equity	Technology	Growth Value
Invesco Preferred ETF	PGX	46138E511	Fixed Income	Intermediate Investment Grade (4-6)	
Invesco QQQ Trust	QQQ	46090E103	Equity	Large High Growth	Large Growth
INVESCO Russell Top 50® Mega Cap ETF	XLG	46137V233	Equity	Giant Core	Large Blend
Invesco S and P Midcap Momentum ETF	XMMO	46137V464	Equity	Industry	
Invesco S&P 500 High Beta ETF	SPHB	46138E370	Equity	Mid Relative Value	Large Blend
Invesco S&P 500 High Div Low Volatility ETF	SPHD	46138E362	Equity	Large Core Value	Large Value
Invesco S&P 500 Low Volatility ETF	SPLV	46138E354	Equity	Large Deep Value	Large Blend

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Invesco S&P 500 Quality ETF	SPHQ	46137V241	Equity	Large Core	Large Blend
Invesco S&P 500 Revenue ETF	RWL	46138G698	Equity	Large Deep Value	Large Value
INVESCO S&P 500® Eq Wt Technology ETF	RSPt	46137V282	Equity	Technology	Large Growth
INVESCO S&P 500® Equal Weight ETF	RSP	46137V357	Equity	Large Relative Value	Large Blend
INVESCO S&P 500® Pure Growth ETF	RPG	46137V266	Equity	Large High Growth	Large Growth
INVESCO S&P 500® Pure Value ETF	RPV	46137V258	Equity	Large Core Value	Large Value
Invesco S&P Smallcap 600 Revenue ETF	RWJ	46138G664	Equity	Small Relative Value	Small Value
Invesco Semiconductors ETF	PSI	46137V647	Equity	Technology	Mid Growth
Invesco Senior Loan ETF	BKLN	46138G508	Fixed Income	Bank Loan	
Invesco Silver Trust ETF	SLV	46428Q109	Equity		
INVESCO Solar ETF	TAN	46138G706	Equity	Domestic Energy	Mid Blend
Invesco Taxable Municipal Bond ETF	BAB	46138G805	Fixed Income	Long Investment Grade (>6)	
Invesco Ultra Short Duration ETF	GSY	46090A887	Fixed Income	Ultrashort Investment Grade	
Invesco Variable Rate Preferred ETF	VRP	46138G870	Fixed Income	Intermediate Investment Grade (4-6)	
Invesco Water Resources ETF	PHO	46137V142	Equity	Industrials	Mid Blend
Invesco WilderHill Clean Energy ETF	PBW	46137V134	Equity	Domestic Energy	Small Growth
IQ Hedge Multi-Strategy Tracker ETF	QAI	45409B107	Alternative	Hedge Fund Tracking	Large Blend
iShares 0-5 Year High Yield Corp Bd	SHYG	46434V407	Fixed Income	High Yield Bond	
iShares 0-5 Year Investment Grade Corporate	SLQD	46434V100	Fixed Income	Short Term Bond	
iShares 0-5 Year TIPS Bond	STIP	46429B747	Fixed Income	Inflation-Protected Bond	
iShares 10-20 Year Treasury Bond	TLH	464288653	Fixed Income	Long Government (>6)	
iShares 1-3 Year Treasury Bond	SHY	464287457	Fixed Income	Short-Term Government	
iShares 1-5 Year Investment Grade Corporate Bd ETF	IGSB	464288646	Fixed Income	A-Rated	
iShares 20+ Year Treasury Bond	TLT	464287432	Fixed Income	Long Government (>6)	
iShares 3-7 Year Treasury Bond	IEI	464288661	Fixed Income	Intermediate Government (4-6)	
iShares 5-10 Yr Investment Grade Corporate Bd ETF	IGIB	464288638	Fixed Income	A-Rated	
iShares 7-10 Year Treasury Bond	IEF	464287440	Fixed Income	Long Government (>6)	
iShares Asia 50	AIA	464288430	Equity	Pacific/Asia ex-Japan	Large Value
iShares Biotechnology	IBB	464287556	Equity	Health Care	Large Growth
ISHARES BROAD USD HIGH YIELD CORPORATE BOND ETF	USHY	46435U853	Equity	High Yield Bond	
iShares China Large-Cap	FXI	464287184	Equity	China	Large Value
iShares Cohen & Steers REIT	ICF	464287564	Equity	Domestic Real Estate	Large Blend
iShares Core 1-5 Year USD Bond	ISTB	46432F859	Fixed Income	Short/Intermediate Government (2.5-4)	
iShares Core 30/70 Conservative Allocation ETF	AOK	464289883	Allocation	Conservative Allocation	Large Blend
iShares Core 40/60 Moderate Allocation ETF	AOM	464289875	Allocation	Conservative Allocation	Large Blend
iShares Core 60/40 Balanced Allocation ETF	AOR	464289867	Allocation	Moderate Allocation	Large Blend
iShares Core 80/20 Aggressive Allocation ETF	AOA	464289859	Allocation	Aggressive Allocation	Large Blend
iShares Core Dividend Growth ETF	DGRO	46434V621		Large Value	Large Value
iShares Core High Dividend	HDV	46429B663	Equity	Giant Value	Large Value
iShares Core International Aggregate Bond ETF	IAGG	46435G672		World Bond	
iShares Core MSCI EAFE	IEFA	46432F842	Equity	Foreign Large Core	Large Blend
iShares Core MSCI Emerging Markets	EMGM	46434G103	Equity	Diversified Emerging Markets	Large Blend
iShares Core MSCI Europe ETF	IEUR	46434V738	Equity	Europe	Large Blend
iShares Core MSCI Total Intl Stk	IXUS	46432F834	Equity	Foreign Large Core	Large Blend
iShares Core S&P 500	IIVV	464287200	Equity	Large Core	Large Blend
iShares Core S&P Mid-Cap	IJH	464287507	Equity	Mid Core	Mid Blend
iShares Core S&P Small-Cap	IJR	464287804	Equity	Small Core	Small Blend
iShares Core S&P Total US Stock Mkt	ITOT	464287150	Equity	Large Core	Large Blend
iShares Core S&P US Growth ETF	IUSG	464287671	Equity	Large Core Growth	Large Growth
iShares Core S&P US Value	IUSV	464287663	Equity	Large Deep Value	Large Value
iShares Core Total USD Bond Market ETF	IUSB	46434V613	Equity	Exchange Traded Fund	
iShares Core US Aggregate Bond	AGG	464287226	Fixed Income	A-Rated	
iShares Core US REIT ETF	USRT	464288521	Equity	Real Estate	Mid Blend
iShares Core US Treasury Bond	GOVT	46429B267	Fixed Income	Intermediate Government (4-6)	
iShares Currency Hedged MSCI Eafe ETF	HEFA	46434V803	Equity	Large Blend	Large Blend
iShares Currency Hedged MSCI Eurozone ETF	HEZU	46434V639	Equity	Europe	Large Blend
ISHARES EMERGING MARKETS DIVIDEND	DVVE	464286319		Diversified Emerging Markets	
ISHARES ESG AWARE MSCI EM ETF	ESGE	46434G863	Equity	Exchange Traded Fund	Large Blend
iShares ESG Aware MSCI USA ETF	ESGU	46435G425	Equity	Exchange Traded Fund	Large Blend
iShares Europe	IEV	464287861	Equity	Europe	Large Blend
iShares Expanded Tech Sector ETF	IGM	464287549	Equity	Technology	Large Growth
iShares Expanded Tech-Software Sector ETF	IGV	464287515	Equity	Technology	Large Growth
ISHARES FALLEN ANGELS USD BOND ETF	FALN	46435G474	Equity	Exchange Traded Fund	High Yield Bond
iShares Floating Rate Bond	FLOT	46429B655	Fixed Income	Ultrashort Investment Grade	
iShares Future Exponential Technologies ETF	XT	46434V381	Equity	Technology	
iShares Global 100	IOO	464287572	Equity	World Large Value	Large Value
iShares Global Clean Energy	ICLN	464288224	Equity	World Energy	Mid Blend
iShares Global Energy	IXC	464287341	Equity	World Energy	Large Value
iShares Global Healthcare	IXJ	464287325	Equity	Health Care	Large Growth
iShares Global Infrastructure	IGF	464288372	Equity	Industrials	Large Blend
iShares Global Tech	IXN	464287291	Equity	Technology	Large Growth
iShares Gold Trust	IAU	464285204	Equity	Commodities Focused	
iShares Gsci Commodity Dynamic Roll Strategy ETF	COMT	46431W853	Commodities	Commodities Broad Basket	
iShares iBoxx \$ High Yield Corporate Bd	HYG	464288513	Fixed Income	High Yield Bond	
iShares iBoxx \$ Invst Grade Crp Bond	LQD	464287242	Fixed Income	A-Rated	
iShares India 50	INDY	464289529	Equity	India	Large Growth
iShares Intern Government/Credit Bd	GVI	464288612	Fixed Income	Intermediate Investment Grade (4-6)	
iShares International Select Dividend	IDV	464288448	Equity	Foreign Large Value	Large Value
iShares International Treasury Bond	IGOV	464288117	Fixed Income	Foreign Bond	
iShares Jp Morgan Em High Yield Bond ETF	EMHY	464286285	Fixed Income	Emerging Markets Bond	
iShares Jp Morgan Em Local Currency Bond ETF	LEMB	464286517	Fixed Income	Emerging Markets Bond	
iShares JPMorgan USD Emerg Markets Bond	EMB	464288281	Fixed Income	Emerging Markets Bond	
iShares Latin America 40	ILF	464287390	Equity	Latin America	Large Blend
iShares MBS	MBB	464288588	Fixed Income	Mortgage-Backed	
iShares Micro-Cap	IWC	464288869	Equity	Micro Cap	Small Blend
iShares Mortgage Real Estate Capped	REM	46435G342	Equity	Domestic Real Estate	Small Value

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MAP ETF FUND CHOICE LIST

Fund Name	Ticker	Cusip	Global Broad Category Group	Morningstar Institutional Category	Equity Style Box (Long)
iShares MSCI ACWI	ACWI	464288257	Equity	World Large Core	Large Blend
iShares MSCI ACWI ex US	ACWX	464288240	Equity	Foreign Large Core	Large Blend
iShares MSCI All Country Asia ex Japan	AAJ	464288182	Equity	Pacific/Asia ex-Japan	Large Value
iShares MSCI Australia	EWA	464286103	Equity	Pacific/Asia ex-Japan	Large Blend
iShares MSCI Brazil Capped	EWZ	464286400	Equity	Latin America	Large Blend
iShares MSCI Canada	EWC	464286509	Equity	Foreign Large Value	Large Blend
iShares MSCI Chile Capped	ECH	464286640	Equity	Latin America	Large Value
iShares MSCI EAFE	EFA	464287465	Equity	Foreign Large Core	Large Blend
iShares MSCI EAFE Growth	EFG	464288885	Equity	Foreign Large Growth	Large Growth
iShares MSCI EAFE Minimum Volatility	EFAV	46429B689	Equity	Foreign Large Core	Large Blend
iShares MSCI EAFE Small-Cap	SCZ	464288273	Equity	Foreign Small/Mid Core	Mid Blend
iShares MSCI EAFE Value	EFV	464288877	Equity	Foreign Giant	Large Value
iShares MSCI Emerging Markets	EEM	464287234	Equity	Diversified Emerging Markets	Large Blend
iShares MSCI Emerging Markets Mini Vol	EEMV	464286533	Equity	Diversified Emerging Markets	Large Blend
iShares MSCI Europe Financials	EUFN	464289180	Equity	World Financial	Large Value
iShares MSCI Eurozone ETF	EZU	464286608	Equity	Europe	Large Blend
iShares MSCI France	EWQ	464286707	Equity	Europe	Large Blend
iShares MSCI Germany	EWG	464286806	Equity	Europe	Large Blend
iShares MSCI Global Min Vol Factor ETF	ACWV	464286525	Equity	World Large Core	Large Blend
iShares MSCI Hong Kong	EWH	464286871	Equity	China	Large Blend
iShares MSCI India	INDA	46429B598	Equity	India	Large Growth
iShares MSCI Indonesia	EIDO	46429B309	Equity	Pacific/Asia ex-Japan	Large Blend
iShares MSCI Intl Quality Factor ETF	IQLT	46434V456	Equity	Foreign Large Blend	Large Blend
iShares MSCI Malaysia	EWM	46434G814	Equity	Pacific/Asia ex-Japan	Large Value
iShares MSCI Mexico Capped	EWX	464286822	Equity	Latin America	Large Growth
iShares MSCI Netherlands	EWN	464286814	Equity	Europe	Large Growth
iShares MSCI Pacific ex Japan	EPP	464286665	Equity	Pacific/Asia ex-Japan	Large Blend
iShares MSCI Philippines	EPHE	46429B408	Equity	Pacific/Asia ex-Japan	Large Growth
iShares MSCI Poland Capped	EPOL	46429B606	Equity	Emerging Europe	Mid Value
iShares MSCI Singapore	EWS	46434G780	Equity	Pacific/Asia ex-Japan	Large Value
iShares MSCI South Africa	EZA	464286780	Equity	Diversified Emerging Markets	Large Growth
iShares MSCI South Korea Capped	EWY	464286772	Equity	Pacific/Asia ex-Japan	Large Value
iShares MSCI Spain Capped	EWP	464286764	Equity	Europe	Large Blend
iShares MSCI Sweden	EWD	464286756	Equity	Europe	Large Growth
iShares MSCI Switzerland Capped	EWL	464286749	Equity	Europe	Large Blend
iShares MSCI Taiwan	EWT	46434G772	Equity	China	Large Value
iShares MSCI Thailand Capped	THD	464286624	Equity	Pacific/Asia ex-Japan	Large Value
iShares MSCI Turkey	TUR	464286715	Equity	Emerging Europe	Mid Blend
iShares MSCI United Kingdom	EWU	46435G334	Equity	Europe	Large Value
iShares MSCI USA Min Vol Factor ETF	USMV	46429B697	Equity	Large Relative Value	Large Blend
iShares MSCI USA Momentum Factor	MTUM	46432F396	Equity	Large Valuation-Sensitive Growth	Large Growth
iShares MSCI USA Quality Factor	QUAL	46432F339	Equity	Giant Growth	Large Growth
iShares MSCI USA Value Factor	VLUE	46432F388	Equity	Large Value	Large Value
iShares National Muni Bond ETF	MUB	464288414	Tax Preferred	Muni National Intermediate	
iShares North American Natural Resources	IGE	464287374	Equity	Domestic Energy	Large Value
iShares Preferred and Income Securities ETF	PFF	464288687	Fixed Income	Intermediate Investment Grade (4-6)	
iShares Russell 1000	IWB	464287622	Equity	Large Core	Large Blend
iShares Russell 1000 Growth	IWF	464287614	Equity	Large Core Growth	Large Growth
iShares Russell 1000 Value	IWD	464287598	Equity	Large Deep Value	Large Value
iShares Russell 2000	IWM	464287655	Equity	Small Core	Small Growth
iShares Russell 2000 Growth	IWO	464287648	Equity	Small Core Growth	Small Growth
iShares Russell 2000 Value	IWN	464287630	Equity	Small Deep Value	Small Value
iShares Russell 3000	IWV	464287689	Equity	Large Core	Large Blend
iShares Russell Mid-Cap	IWR	464287499	Equity	Mid Core	Mid Blend
iShares Russell Mid-Cap Growth	IWP	464287481	Equity	Mid Core Growth	Mid Growth
iShares Russell Mid-Cap Value	IWS	464287473	Equity	Mid Deep Value	Mid Value
iShares Russell Top 200 Growth	IWY	464289438	Equity	Giant Growth	Large Growth
iShares Russell Top 200 Value	IWX	464289420	Equity	Giant Value	Large Value
iShares S&P 100	OEF	464287101	Equity	Giant Core	Large Blend
iShares S&P 500 Growth	IWV	464287309	Equity	Giant Growth	Large Growth
iShares S&P 500 Value	IVE	464287408	Equity	Large Deep Value	Large Value
iShares S&P Mid-Cap 400 Growth	IJK	464287606	Equity	Mid Core Growth	Mid Growth
iShares S&P Mid-Cap 400 Value	IJJ	464287705	Equity	Mid Deep Value	Mid Value
iShares S&P Small-Cap 600 Growth	IJT	464287887	Equity	Small Core Growth	Small Growth
iShares S&P Small-Cap 600 Value	IJS	464287879	Equity	Small Core Value	Small Value
iShares Select Dividend	DVY	464287168	Equity	Mid Deep Value	Large Value
iShares Semiconductor	SOXX	464287523	Equity	Technology	Large Growth
ISHARES SHORT TERM NATIONAL MUNI BOND ETF	SUB	464288158	Fixed Income	Muni National Intermediate	
iShares Short Treasury Bond	SHV	464288679	Fixed Income	Short-Term Government	
iShares TIPS Bond	TIP	464287176	Fixed Income	Inflation-Protected Bond	
ISHARES TREASURY FLOATING RATE BOND ETF	TFLO	46434V860	Equity	Ultrashort Bond	Ultrashort Bond
iShares US Aerospace & Defense	ITA	464288760	Equity	Industrials	Mid Blend
iShares US Broker-Dealers & Securities Exch ETF	IAI	464288794	Equity	Domestic Financial	Mid Growth
iShares US Consumer Discretionary ETF	IYC	464287580	Equity	Consumer Cyclical	Large Growth
iShares US Consumer Staples ETF	IYK	464287812	Equity	Consumer Defensive	Large Blend
iShares US Energy	IYE	464287796	Equity	Domestic Energy	Large Value
iShares US Financials	IYF	464287788	Equity	Domestic Financial	Large Value
iShares US Healthcare	IYH	464287762	Equity	Health Care	Large Growth
iShares US Healthcare Providers	IHF	464288828	Equity	Health Care	Large Growth
iShares US Home Construction	ITB	464288752	Equity	Consumer Cyclical	Mid Growth
iShares US Industrials	IYJ	464287754	Equity	Industrials	Large Blend
ISHARES US INFRASTRUCTURE ETF	IFRA	46435U713	Equity	Infrastructure	Infrastructure
iShares US Insurance ETF	IAK	464288786	Equity		
iShares US Medical Devices	IHI	464288810	Equity	Health Care	Large Growth
iShares US Oil Equipment&Services	IEZ	464288844	Equity	Domestic Energy	Mid Blend
iShares US Oil&Gas Explor&Prodtn	IEO	464288851	Equity	Domestic Energy	Large Value

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Fund Name	Ticker	Cusip	Global Broad Category Group	Morningstar Institutional Category	Equity Style Box (Long)
iShares US Real Estate	IYR	464287739	Equity	Domestic Real Estate	Mid Blend
iShares US Regional Banks	IAT	464288778	Equity	Domestic Financial	Mid Value
iShares US Technology	IYW	464287721	Equity	Technology	Large Growth
iShares US Telecommunications	IYZ	464287713	Equity	Communications	Mid Value
iShares US Transportation ETF	IYT	464287192	Equity	Industrials	Mid Blend
Jpmorgan Equity Premium Income ETF	JEPI	46641Q332	Equity	Derivative Income	Derivative Income
Jpmorgan Hedged Equity Laddered Overlay ETF	HELO	46654Q724	Equity	Hedged Equity	Hedged Equity
Jpmorgan Nasdaq Equity Premium Income ETF	JEPO	46654Q203	Equity		
Jpmorgan Ultra-Short Income ETF	JPST	46641Q837	Equity		
KRANESHARES CSI CHINA INTERNET ETF	KWEB	500767306	Equity	US Fund China Region	
MAIN BUYWRITE ETF	BUYW	66538H179	Equity		
MAIN SECTOR ROTATION ETF	SECT	66538H591	Equity		
Main Thematic Innovation ETF	TMAT	66538H278	Equity		
Materials Select Sector SPDR® ETF	XLB	81369Y100	Equity	Materials	Large Blend
MOTLEY FOOL 100 INDEX ETF	TMFC	74933W601	Equity	Exchange Traded Fund	Large Growth
Neos Nasdaq-100 High Income ETF	QQQI	78433H675	Equity	Large Cap	Large Cap
Neos Russell 2000 High Income ETF	IWMI	78433H634	Equity	Small Cap	Small Cap
Pacer U.S. Small Cap Cash Cows 100 ETF	CALF	69374H857	Equity	Pacer	Pacer
Pacer US Cash Cows 100 ETF	COWZ	69374H881	Equity	Pacer	Pacer
Pacer US Large Cap Cash Cows Growth Leaders ETF	COWG	69374H360	Equity	Pacer	Pacer
PIMCO 0-5 Year High Yield Corp Bd ETF	HYS	72201R783	Fixed Income	High Yield Bond	
Pimco 15+ Year US Tips Index Exchange-Traded Fund	LTPZ	72201R304	Fixed Income	Inflation-Protected Bond	
PIMCO 25+ Year Zero Coupon US Trs ETF	ZROZ	72201R882	Fixed Income	Long Government (>6)	
PIMCO Enhanced Short Maturity Active ETF	MINT	72201R833	Fixed Income	Ultrasort Investment Grade	
PIMCO Intermediate Municipal Bd Actv ETF	MUNI	72201R866	Tax Preferred	Muni National Intermediate	
PIMCO Total Return Active ETF	BOND	72201R775	Fixed Income	Intermediate Investment Grade (4-6)	
PROSHARES S&P 500 DIVIDEND ARISTOCRATS ETF	NOBL	74348A467	Equity	Large Blend	Large Blend
Schwab Emerging Markets Equity ETF™	SCHE	808524706	Equity	Diversified Emerging Markets	Large Blend
Schwab Fundamental Em Large Company Index ETF	FNDE	808524730	Equity	Diversified Emerging Markets	Large Value
Schwab Fundamental Intl Lg Co ETF	FNDF	808524755	Equity	Foreign Large Value	Large Value
Schwab Fundamental Intl Sm Co ETF	FNDC	808524748	Equity	Foreign Small/Mid Core	Mid Blend
Schwab Fundamental US Large Company ETF	FNDX	808524771	Equity	Large Deep Value	Large Value
Schwab Fundamental US Small Company ETF	FNDA	808524763	Equity	Small Core	Small Blend
Schwab Intermediate-Term US Trs ETF™	SCHR	808524854	Fixed Income	Intermediate Government (4-6)	
Schwab International Equity ETF™	SCHF	808524805	Equity	Foreign Large Core	Large Blend
Schwab International Small-Cap Eq ETF™	SCHC	808524888	Equity	Foreign Small/Mid Growth	Mid Blend
Schwab Short-Term US Treasury ETF™	SCHO	808524862	Fixed Income	Short-Term Government	
Schwab US Aggregate Bond ETF™	SCHZ	808524839	Fixed Income	Intermediate Investment Grade (4-6)	
Schwab US Broad Market ETF™	SCHB	808524102	Equity	Large Core	Large Blend
Schwab US Dividend Equity ETF™	SCHD	808524797	Equity	Giant Value	Large Value
Schwab US Large-Cap ETF™	SCHX	808524201	Equity	Large Core	Large Blend
Schwab US Large-Cap Growth ETF™	SCHG	808524300	Equity	Large Core Growth	Large Growth
Schwab US Large-Cap Value ETF™	SCHV	808524409	Equity	Large Deep Value	Large Value
Schwab US Mid-Cap ETF™	SCHM	808524508	Equity	Mid Core	Mid Blend
Schwab US REIT ETF™	SCHH	808524847	Equity	Domestic Real Estate	Mid Blend
Schwab US Small-Cap ETF™	SCHA	808524607	Equity	Small Core	Small Blend
Schwab US TIPS ETF™	SCHP	808524870	Fixed Income	Inflation-Protected Bond	
SPDR Blackstone Senior Loan ETF	SRLN	78467V608	Fixed Income	Bank Loan	
SPDR Bloomberg 1-3 Month T-Bill ETF	BIL	78468R663	Fixed Income	Ultrasort Investment Grade	
SPDR Bloomberg Convertible Securities ETF	CWB	78464A359	Convertibles	Convertibles	Large Value
SPDR Bloomberg Emerging Markets Local Bond ETF	EBND	78464A391	Fixed Income	Emerging Markets Bond	
SPDR Bloomberg High Yield Bond ETF	JNK	78468R622	Fixed Income	High Yield Bond	
SPDR Bloomberg International Corporate Bond ETF	IBND	78464A151	Fixed Income	Foreign Bond	
SPDR Bloomberg International Treasury Bond ETF	BWX	78464A516	Fixed Income	Foreign Bond	
SPDR Bloomberg Short Term High Yield Bond ETF	SJNK	78468R408	Fixed Income	High Yield Bond	
SPDR Nuveen Bloomberg Municipal Bond ETF	TFI	78468R721	Tax Preferred	Muni National Long	
SPDR Nuveen Bloomberg Short Term Mun Bond ETF	SHM	78468R739	Tax Preferred	Muni National Short/Intermediate	
SPDR® Dow Jones Industrial Average ETF	DIA	78467X109	Equity	Giant Value	Large Blend
SPDR® Dow Jones REIT ETF	RWR	78464A607	Equity	Domestic Real Estate	Mid Blend
SPDR® EURO STOXX 50 ETF	FEZ	78463X202	Equity	Europe	Large Value
SPDR® Gold Shares	GLD	78463V107	Commodities		
SPDR® MSCI ACWI ex-US ETF	CWI	78463X848	Equity	Foreign Giant	Large Blend
SPDR® S&P 500 ETF	SPY	78462F103	Equity	S&P 500 Tracking	Large Blend
SPDR® S&P 500 Growth ETF	SPYG	78464A409	Equity	Large Core Growth	Large Growth
SPDR® S&P 500 Value ETF	SPYV	78464A508	Equity	Large Deep Value	Large Value
SPDR® S&P 600 Small Cap Growth ETF	SLYG	78464A201	Equity	Small Core Growth	Small Growth
SPDR® S&P 600 Small Cap Value ETF	SLYV	78464A300	Equity	Small Deep Value	Small Value
SPDR® S&P Bank ETF	KBE	78464A797	Equity	Domestic Financial	Mid Value
SPDR® S&P Biotech ETF	XBI	78464A870	Equity	Health Care	Small Growth
SPDR® S&P Dividend ETF	SDY	78464A763	Equity	Large Deep Value	Large Value
SPDR® S&P Global Natural Resources ETF	GNR	78463X541	Equity	Materials	Large Value
SPDR® S&P Homebuilders ETF	XHB	78464A888	Equity	Consumer Cyclical	Mid Growth
SPDR® S&P Insurance ETF	KIE	78464A789	Equity	Domestic Financial	Mid Value
SPDR® S&P International Small Cap ETF	GWX	78463X871	Equity	Foreign Small/Mid Core	Small Blend
SPDR® S&P Metals and Mining ETF	XME	78464A755	Equity	Materials	Small Value
SPDR® S&P MidCap 400 ETF	MDY	78467Y107	Equity	Mid Core	Mid Blend
SPDR® S&P Oil & Gas Equipment& Svcs ETF	XES	78468R549	Equity	Domestic Energy	Small Value
SPDR® S&P Oil & Gas Explor & Prodrtn ETF	XOP	78468R556	Equity	Domestic Energy	Mid Blend
SPDR® S&P Pharmaceuticals ETF	XPH	78464A722	Equity	Health Care	Mid Growth
SPDR® S&P Regional Banking ETF	KRE	78464A698	Equity	Domestic Financial	Small Value
SPDR® S&P Retail ETF	XRT	78464A714	Equity	Consumer Cyclical	Mid Blend
State Street Com Svc Sel Sect SPDR ETF	XLC	81369Y852	Equity	Communications	Mid Blend
State Street Consumer Disc Sel Sect SPDR ETF	XLV	81369Y407	Equity	Consumer Cyclical	Large Growth
State Street Consumer Staples Sel Sect SPDR ETF	XLP	81369Y308	Equity	Consumer Defensive	Large Blend
State Street Energy Select Sector SPDR ETF	XLE	81369Y506	Equity	Domestic Energy	Large Value
State Street Health Care Select Sector SPDR ETF	XLV	81369Y209	Equity	Health Care	Large Growth

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Fund Name	Ticker	Cusip	Global Broad Category Group	Morningstar Institutional Category	Equity Style Box (Long)
State Street SPDR Portfolio S&P 600 Small Cap ETF	SPSM	78468R853	Equity	Small Cap	Small Cap
State Street SPDR S&P Semiconductor ETF	XSD	78464A862	Equity	Technology	Technology
T ROWE PRICE CAPITAL APPRECIATION EQUITY ETF	TCAF	87283Q867	Equity	Large Blend	Large Growth
Technology Select Sector SPDR® ETF	XLK	81369Y803	Equity	Technology	Large Growth
Utilities Select Sector SPDR® ETF	XLU	81369Y886	Equity	Utilities	Large Value
VANECK AGRIBUSINESS ETF	MOO	92189F700	Equity	Industrials	Large Blend
Vaneck Gold Miners ETF	GDX	92189F106	Equity	Precious Metals	Mid Blend
Vaneck High Yield Muni ETF	HYD	92189H409	Tax Preferred	High Yield Muni	
Vaneck Ig Floating Rate ETF	FLTR	92189F486	Fixed Income	Ultrashort Investment Grade	
Vaneck Intermediate Muni ETF	ITM	92189H201	Tax Preferred	Muni National Intermediate	
Vaneck Jp Morgan Em Local Currency Bond ETF	EMLC	92189H300	Fixed Income	Emerging Markets Bond	
Vaneck Junior Gold Miners ETF	GDXJ	92189F791	Equity	Precious Metals	Small Blend
Vaneck Long Muni ETF	MLN	92189F536	Tax Preferred	Muni National Long	
Vaneck Morningstar Wide Moat ETF	MOAT	92189F643	Equity	Large Core	Large Blend
VANECK OIL SERVICES ETF	OIH	92189H607	Equity	Equity Energy	Medium Blend
Vaneck Semiconductor ETF	SMH	92189F676	Equity	Technology	Large Growth
Vaneck Short Muni ETF	SMB	92189F528	Tax Preferred	Muni National Short/Intermediate	
Vaneck Uranium and Nuclear ETF	NLR	92189F601	Equity	Commodities	Commodities
VanEck Vectors Rare Earth/Strategic Metals ETF	REMX	92189H805	Equity	Equity Precious Metals	Equity Precious Metals
Vaneck Vietnam ETF	VNM	92189F817	Equity	Pacific/Asia ex-Japan	Small Blend
Vanguard Communication Services Index Fund ETF	VOX	92204A884	Equity	Communications	Large Value
Vanguard Consumer Staples ETF	VDC	92204A207	Equity	Consumer Defensive	Large Blend
Vanguard Dividend Appreciation ETF	VIG	921908844	Equity	Large Core	Large Blend
Vanguard Emerging Markets Govt Bd ETF	VWOB	921946885	Fixed Income	Emerging Markets Bond	
Vanguard Energy ETF	VDE	92204A306	Equity	Domestic Energy	Large Value
Vanguard European Stock Index Fund ETF	VGK	922042874	Equity	Europe	Large Blend
Vanguard Extended Duration Treasury ETF	EDV	921910709	Fixed Income	Long Government (>6)	
Vanguard Extended Market ETF	VXF	922908652	Equity	SMID Core	Mid Growth
Vanguard Financials ETF	VFH	92204A405	Equity	Domestic Financial	Large Value
Vanguard FTSE All-World ex-US ETF	VEU	922042775	Equity	Foreign Large Core	Large Blend
Vanguard FTSE All-World ex-US Sm-Cp ETF	VSS	922042718	Equity	Foreign Small/Mid Core	Mid Blend
Vanguard FTSE Emerging Markets ETF	VWO	922042858	Equity	Diversified Emerging Markets	Large Blend
Vanguard FTSE Pacific ETF	VPL	922042866	Equity	Diversified Pacific/Asia	Large Blend
Vanguard Global ex-US Real Estate ETF	VNQI	922042676	Equity	Foreign Real Estate	Large Value
Vanguard Growth ETF	VUG	922908736	Equity	Large Core Growth	Large Growth
Vanguard Health Care Index Fund ETF	VHT	92204A504	Equity	Health Care	Large Growth
Vanguard High Dividend Yield Index Fund ETF	VYM	921946406	Equity	Giant Value	Large Value
Vanguard Industrials ETF	VIS	92204A603	Equity	Industrials	Large Blend
Vanguard Information Technology Index Fund ETF	VGT	92204A702	Equity	Technology	Large Growth
Vanguard Intermediate-Term Bond ETF	BIV	921937819	Fixed Income	A-Rated	
Vanguard Intermediate-Term Corp Bd ETF	VCIT	92206C870	Fixed Income	A-Rated	
Vanguard Intermediate-Term Treasury Index Fd ETF	VGIT	92206C706	Fixed Income	Intermediate Government (4-6)	
Vanguard Internatl High Div Yield Index Fund ETF	VYMI	921946794	Equity	Foreign Large Value	Large Value
Vanguard Large-Cap ETF	VV	922908637	Equity	Large Core	Large Blend
Vanguard Long-Term Bond ETF	BLV	921937793	Fixed Income	A-Rated	
Vanguard Long-Term Corporate Bond ETF	VCLT	92206C813	Fixed Income	A-Rated	
Vanguard Long-Term Treasury Index Fund ETF	VGLT	92206C847	Fixed Income	Long Government (>6)	
Vanguard Materials Index Fund ETF	VAW	92204A801	Equity	Materials	Mid Value
Vanguard Mega Cap Growth Index Fund ETF	MGK	921910816	Equity	Giant Growth	Large Growth
Vanguard Mega Cap Index Fund ETF	MGC	921910873	Equity	Giant Core	Large Blend
Vanguard Mega Cap Value Index Fund ETF	MGV	921910840	Equity	Giant Value	Large Value
Vanguard Mid-Cap Growth Index Fund ETF	VOT	922908538	Equity	Mid Core Growth	Mid Growth
Vanguard Mid-Cap Index Fund ETF	VO	922908629	Equity	Mid Core	Mid Growth
Vanguard Mid-Cap Value Index Fund ETF	VOE	922908512	Equity	Mid Deep Value	Mid Value
Vanguard Mortgage-Backed Securities ETF	VMBS	92206C771	Fixed Income	Mortgage-Backed	
Vanguard Real Estate Index Fund ETF	VNQ	922908553	Equity	Domestic Real Estate	Mid Blend
Vanguard Russell 1000 Growth ETF	VONG	92206C680	Equity	Large Core Growth	Large Growth
Vanguard Russell 1000 Value ETF	VONV	92206C714	Equity	Large Deep Value	Large Value
Vanguard Russell 2000 ETF	VTWO	92206C664	Equity	Small Core	Small Growth
Vanguard S&P 500 ETF	VOO	922908363	Equity	S&P 500 Tracking	Large Blend
Vanguard S&P 500 Growth ETF	VOOG	921932505	Equity	Large Core Growth	Large Growth
Vanguard S&P 500 Value ETF	VOOV	921932703	Equity	Large Deep Value	Large Value
Vanguard S&P Small-Cap 600 ETF	VIQO	921932828	Equity	Small Core	Small Blend
Vanguard Short-Term Bond ETF	BSV	921937827	Fixed Income	Short/Intermediate Investment Grade (2.5-4)	
Vanguard Short-Term Corporate Bond ETF	VCSH	92206C409	Fixed Income	A-Rated	
Vanguard Short-Term Infl-Prot Secs ETF	VTIP	922020805	Fixed Income	Inflation-Protected Bond	
Vanguard Short-Term Treasury Index Fund ETF	VGSH	92206C102	Fixed Income	Short-Term Government	
Vanguard Small-Cap ETF	VB	922908751	Equity	Small Core	Small Blend
Vanguard Small-Cap Growth Index Fund ETF	VBK	922908595	Equity	Small Core Growth	Small Growth
Vanguard Small-Cap Value Index Fund ETF	VBR	922908611	Equity	Small Deep Value	Small Value
Vanguard Tax Managed Fund Ftse Developed Markets ETF	VEA	921943858	Equity	Foreign Large Core	Large Blend
Vanguard Total Bond Market Index Fund ETF	BND	921937835	Fixed Income	Intermediate Investment Grade (4-6)	
Vanguard Total International Bond Index Fund ETF	BNDX	92203J407	Fixed Income	Foreign Bond	
Vanguard Total International Stock Index Fund ETF	VXUS	921909768	Equity	Foreign Large Core	Large Blend
Vanguard Total Stock Market Index Fund ETF	VTI	922908769	Equity	Large Core	Large Blend
Vanguard Total World Stock Index Fund ETF	VT	922042742	Equity	World Large Core	Large Blend
Vanguard Utilities Index Fund ETF	VPU	92204A876	Equity	Utilities	Mid Value
Vanguard Value Index Fund ETF	VTV	922908744	Equity	Large Deep Value	Large Value

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