

## Valid Basket Codes for RBH and CPM

Valid Basket Codes for RBH and CPM							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
1SMMV	iShares Edge MSCI Min Vol USA Small-Cap ETF	SMMV	999	7.5	95	50	No		SMMV
1IEDI	iShares Evolved U.S. Discretionary Spending ETF	IEDI	999	5.0	95	95	Yes		IEDI
1IETC	iShares Evolved U.S. Technology ETF	IETC	999	5.0	95	95	Yes		IETC
1ESML	iShares ESG MSCI Small-Cap ETF	ESML	999	5.0	95	50	No		ESML
1HYXU	iShares Global ex USD High Yield Corp Bond Fund	HYXU	999	5.0	95	95	Yes		HYXU
1SMIN	iShares MSCI India Small Cap Index Fund	SMIN	999	7.5	95	50	Yes		SMIN
1SMMD	iShares Russell 2500 ETF	SMMD	999	7.5	95	50	Yes		SMMD
1IFRA	iShares U.S. Infrastructure ETF	IFRA	999	5.0	95	95	Yes		IFRA
1SVAL	iShares U.S. Small Cap Value Factor ETF	SVAL	999	7.5	95	95	Yes		SVAL
10358	ACTIVEPASSIVE CORE BOND ETF	00358	152	5.0	95	95	No		APCB
1HDGE	ADVISORSHARES ACTIVE BEAR ETF	HDGE	999	5.0	95	50	Yes		HDGE
1LETB	ADVISORSHARES LET BOB AI POWERED	LETB	999	5.0	95	95	No		
1CWS	ADVISORSHARES TRADVISORSHS ETF	CWS	999	5.0	95	95	Yes		CWS
1SENT	ADVISORSHARES TRALPHA DNA EQUITY	SENT	999	5.0	95	95	No		
1DWSH	ADVISORSHARES TRDORSY SHRT ETF	DWSH	999	5.0	95	50	No		DWSH
1DBLV	ADVISORSHARES TRDOUBLELIN VAL EQ	DBLV	999	5.0	95	50	No		SURE
1GK	ADVISORSHARES TRGERBER KAWASAKI	GK	999	5.0	95	95	Yes		GK
1BEDZ	ADVISORSHARES TRHOTEL ETF	BEDZ	999	5.0	95	95	Yes		BEDZ
1PSIL	ADVISORSHARES TRPSYCHEDELICS ETF	PSIL	999	7.5	95	95	Yes		PSIL
1YOLO	ADVISORSHARES TRPURE CANNABIS	YOLO	999	7.5	95	95	Yes		YOLO
1MSOS	ADVISORSHARES TRPURE US CANNABIS	MSOS	999	7.5	95	95	Yes		MSOS, MSOX
1EATZ	ADVISORSHARES TRRESTAURANT ETF	EATZ	999	5.0	95	95	Yes		EATZ
1VICE	ADVISORSHARES VICE ETF	VICE	999	5.0	95	95	Yes		VICE
1BTAL	AGF U.S. MARKET NEUTRAL ANTI-BET	BTAL	999	5.0	95	50	Yes		BTAL

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1AMLP	ALERIAN MLP ETF	AMLP	999	5.0	95	95	Yes		AMLP
1ACES	ALPS CLEAN ENERGY ETF	ACES	999	5.0	95	95	Yes		ACES
1DTEC	ALPS DISRUPTIVE TECHNOLOGIES ETF	DTEC	999	5.0	95	95	Yes		DTEC
1EQL	ALPS EQUAL SECTOR WEIGHT ETF	EQL	999	5.0	95	50	Yes		EQL
1ENFR	ALPS ETF TRALERIAN ENERGY	ENFR	999	5.0	95	95	Yes		ENFR
1EDOG	ALPS ETF TREM SECT DIV DG	EDOG	999	5.0	95	50	No		EDOG
1SGDJ	ALPS ETF TRSPROTT JR GLD	SGDJ	999	7.5	95	95	Yes		SGDJ
1SDOG	ALPS SECTOR DIVIDEND DOGS ETF	SDOG	999	5.0	95	50	Yes		SDOG
1FLV	AMERICAN CENTY ETF TRFOCUSED LRG CAP	FLV	999	5.0	95	50	No		FLV
1AVDV	AMERICAN CENTY ETF TRINTL SMCP VLU	AVDV	999	7.5	95	50	Yes		AVDV
1QGRO	AMERICAN CENTY ETF TRSTOXX US QLTY	QGRO	999	5.0	95	95	Yes		QGRO
1VALQ	AMERICAN CENTY ETF TRSTOXX US QUALT	VALQ	999	5.0	95	50	Yes		VALQ
1AVUS	AMERICAN CENTY ETF TRUS EQT ETF	AVUS	999	5.0	95	50	Yes		AVUS
1AVLV	AMERICAN CENTY ETF TRUS LARGE CAP VLU	AVLV	999	5.0	95	50	Yes		AVLV
1AVUV	AMERICAN CENTY ETF TRUS SML CP VALU	AVUV	999	7.5	95	50	Yes		AVUV
1BATT	AMPLIFY ETF TRADVANCED BATTERY	BATT	999	5.0	95	95	Yes		BATT
1BLOK	AMPLIFY ETF TRBLOCKCHAIN LDR	BLOK	999	5.0	95	95	Yes		BLOK
1COWS	AMPLIFY ETF TRCASH FLOW DIVID	COWS	999	5.0	95	50	Yes		COWS
1IBUY	AMPLIFY ETF TRONLIN RETL ETF	IBUY	999	5.0	95	95	Yes		IBUY
1MVPS	AMPLIFY ETF TRTHEMATIC ALL STR	MVPS	999	5.0	95	95	Yes		MVPS
1YYY	AMPLIFY HIGH INCOME ETF	YYY	999	5.0	95	50	Yes		YYY
1CNBS	AMPLIFY SEYMOUR CANNABIS ETF	CNBS	999	7.5	95	95	Yes		CNBS
1DUBS	APTUS LARGE CAP ENHANCED YIELD ETF	DUBS	999	5.0	95	50	Yes		DUBS
1ARKF	ARK ETF TRFINTECH INNOVA	ARKF	999	5.0	95	95	Yes		ARKF

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1ARKG	ARK ETF TRGEN REV MLTSCT	ARKG	999	5.0	95	95	Yes		ARKG
1ARKQ	ARK ETF TRINDL INNOVATIN	ARKQ	999	5.0	95	95	Yes		ARKQ
1ARKK	ARK ETF TRINNOVATION ETF	ARKK	999	5.0	95	95	Yes		ARKK, SARK
1ARKW	ARK ETF TRWEB X.O ETF	ARKW	999	5.0	95	95	Yes		ARKW
1IZRL	ARK ISRAEL INNOVATIVE TECHNOLOGY ETF	IZRL	999	7.5	95	95	Yes		IZRL
1ARKX	ARK SPACE EXPLORATION & INNOVATION ETF	ARKX	999	5.0	95	95	Yes		ARKX
1GYLD	ARROW DOW JONES GLOBAL YIELD ETF	GYLD	999	5.0	95	50	Yes		GYLD
1YPS	ARROW INVTS CAP 500 ETF	YPS	999	7.5	95	50	No		
1ASPY	ASYMMETRIC ETFS TRUST500 ETF	ASPY	999	5.0	95	50	No		
10399	AVANTIS CORE FIXED INCOME ETF	00399	152	5.0	95	95	No		AVIG
1AVEM	AVANTIS EMERGING MARKETS EQUITY ETF	AVEM	999	5.0	95	50	Yes		AVEM
1AVDE	AVANTIS INTERNATIONAL EQUITY ETF	AVDE	999	5.0	95	50	Yes		AVDE
1AVRE	AVANTIS REAL ESTATE ETF	AVRE	999	5.0	95	95	Yes		AVRE
1PPI	AXS ASTORIA INFLATION SENSITIVE	PPI	999	5.0	95	50	Yes		PPI
1BAD	B.A.D. ETF	BAD	999	7.5	95	95	No		
1BAMD	Brookstone Dividend Stock ETF	BAMD	999	5.0	95	50	No		BAMD
1EBND	BARCLAYS EM LOCAL CURRENCY GOVT DIVERSIFIED INDEX	EBND	999	5.0	95	95	Yes		EBND
1ATMP	BARCLAYS ETN+ SELECT MLP ETN	ATMP	999	5.0	95	95	Yes		ATMP
1BNDX	BARCLAYS GLOBAL AGGREGATE BOND INDEX	BNDX	999	5.0	95	50	Yes		BNDX
10346	BARCLAYS MANAGED MONEY MUNICIPAL SHORT TERM INDEX	00346	146	5.0	95	95	Yes		SHM
1MBB	BARCLAYS MBS BOND FUND	MBB	999	5.0	95	95	Yes		MBB, SPMB
10375	BARCLAYS MUNICIPAL 10 YEAR REVENUE INDEX	00375	175	5.0	95	95	No		FMB
10361	BARCLAYS U.S TIPS INDEX SERIES-L	00361	161	5.0	95	95	Yes		TIP, SCHP
1QLTA	BARCLAYS U.S. CORPORATE AAA A CAPPED INDEX	QLTA	999	5.0	95	95	No		QLTA

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10363	BARCLAYS U.S. CREDIT BOND INDEX	00363	163	5.0	95	95	Yes		USIG
1VMBS	BARCLAYS U.S. MTG BACKED SEC FLOAT ADJ INDEX	VMBS	999	5.0	95	95	Yes		VMBS
1ULST	BARCLAYS US TREASURY BELLWETHER 3 MONTH	ULST	999	5.0	95	95	No		ULST
10378	BARCLAYS 1 YEAR MUNICIPAL BOND INDEX	00378	178	5.0	95	95	No		SMMU
10350	BARCLAYS 1-3 YR TREASRY BND INDX	00350	150	5.0	95	95	Yes		SHY
10351	BARCLAYS 7-10 YR TREASURY INDEX	00351	151	5.0	95	95	Yes		IEF, PST, UST, TBX
1BFOR	BARRON'S 400	BFOR	999	5.0	95	50	Yes		BFOR
1BMED	BLACKROCK ETF TRUSTFUTUR HEALTH ETF	BMED	999	5.0	95	95	Yes		BMED
1BFTR	BLACKROCK ETF TRUSTFUTURE INVTR ETF	BFTR	999	5.0	95	50	No		BFTR
1BTEK	BLACKROCK ETF TRUSTFUTURE TECH ETF	BTEK	999	5.0	95	95	No		BTEK
1LCTU	BLACKROCK ETF TRUSTUS CARBON TRANS	LCTU	999	5.0	95	50	Yes		LCTU
1DYNF	BLACKROCK ETF TRUSTUS EQT FACTOR	DYNF	999	5.0	95	50	No		DYNF
1LCTD	BLACKROCK ETF TRUSTWORLD EX US CARB	LCTD	999	5.0	95	50	Yes		LCTD
10392	BLACKROCK HIGH YIELD SYSTEMATIC BOND INDEX	00392	172	5.0	95	50	No		HYDB
1NEAR	BLACKROCK SHORT MATURITY BOND ETF	NEAR	999	5.0	95	50	Yes		NEAR
1ICSH	BLACKROCK ULTRA SHORT-TERM BOND ETF	ICSH	999	5.0	95	50	Yes		ICSH
10334	BLOOMBERG BARCLAYS U.S. GOVERNMENT INFLATION-LINKE	00334	134	5.0	95	95	Yes		SPIP
10379	BLOOMBERG BARCLAYS U.S. LONG TREASURY BOND INDEX	00379	154	5.0	95	95	Yes		SPTL, VGLT, SCHQ
10370	BLOOMBERG HIGH YIELD VERY LIQUID BOND INDEX	00370	172	5.0	95	50	Yes		JNK
10394	BLOOMBERG MSCI US AGGREGATE ESG FOCUS INDEX (USD)	00394	152	5.0	95	95	Yes		EAGG
10159	BLOOMBERG U.S. TREASURY FLOATING RATE BOND INDEX	00159	157	5.0	95	95	Yes		USFR
10398	BLOOMBERG U.S. UNIVERSAL INDEX	00398	152	5.0	95	95	Yes		IUSB
10354	BLOOMBERG U.S. 1-3 YEAR TREASURY BOND INDEX	00354	150	5.0	95	95	Yes		VGSH, SCHO, SPTS
10401	BLOOMBERG U.S. 5-10 YEAR GOVERNMENT CREDIT FLOAT A	00401	152	5.0	95	95	Yes		BIV

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10352	BLOOMBERG US AGGREGATE BOND INDX	00352	152	5.0	95	95	Yes		AGG, SPAB, SCHZ, BBAG, BKAG
10407	BLOOMBERG US CREDIT CORP 5-10Y TOTAL RETURN INDEX	00407	152	5.0	95	95	Yes		VCIT
10382	BLOOMBERG US HIGH YIELD 350MN CASH PAY 0-5 YR 2% C	00382	172	5.0	95	50	Yes		SJNK
10107	BLOOMBERG US LARGE CAP TOTAL RETURN INDEX	00107	9	5.0	95	50	Yes		STRV
10194	BLOOMBERG US TREASURY INDEX	00194	194	5.0	95	95	No		SPTB
10336	BLOOMBERG US TREASURY 3-10 YEAR BOND INDEX	00336	147	5.0	95	95	Yes		SPTI, VGIT, SCHR
10390	BLOOMBERG 3 TO 12 MONTH U.S. TREASURY BILL INDEX	00390	186	5.0	95	95	Yes		BILS
1BKLC	BNY MELLON ETF LARGE CAP	BKLC	999	5.0	95	50	Yes		BKLC
10547	BNY MELLON INTERNATIONAL EQUITY ETF	00547	522	5.0	95	50	No		BKIE
1ILTB	BOA ML 10+ YEAR CORP AND GOVT BOND INDEX	ILTB	999	5.0	95	95	No		ILTB
10380	BOFA ML 0-5 YEAR US HIGH YIELD CONSTRAINED INDEX	00380	172	5.0	95	50	Yes		HYS
1XHYC	BONDBLOXX ETF TRUSTUSD HI YLD CONSU	XHYC	999	7.5	95	95	Yes		XHYC
1XHYE	BONDBLOXX ETF TRUSTUSD HI YLD ENERG	XHYE	999	7.5	95	95	Yes		XHYE
1XHYD	BONDBLOXX ETF TRUSTUSD HI YLD NON C	XHYD	999	7.5	95	95	Yes		XHYD
1XHYP	BONDBLOXX USD HIGH YIELD BOND FI	XHYF	999	7.5	95	95	Yes		XHYF
1XHYPH	BONDBLOXX USD HIGH YIELD BOND HE	XHYH	999	7.5	95	95	Yes		XHYH
1XHYI	BONDBLOXX USD HIGH YIELD BOND IN	XHYI	999	7.5	95	95	Yes		XHYI
1XHYT	BONDBLOXX USD HIGH YIELD BOND TE	XHYT	999	7.5	95	95	Yes		XHYT
10376	BROAD US TIPS INDEX FUND	00376	176	5.0	95	95	No		TIPZ
1FUNL	CornerCap Fundametrics L-Cap	FUNL	999	5.0	95	50	No		FUNL
1TOKE	CAMBRIA CANNABIS ETF	TOKE	999	5.0	95	95	Yes		TOKE
1CCOR	CAMBRIA ETF TRCORE EQUITY	CCOR	999	5.0	95	50	Yes		CCOR
1GAA	CAMBRIA ETF TRGLB ASSET ALLO	GAA	999	7.5	95	95	No		GAA
1GMOM	CAMBRIA ETF TRGLB MOMENT ETF	GMOM	999	5.0	95	95	No		GMOM

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1SYLD	CAMBRIA SHAREHOLDER YIELD ETF	SYLD	999	5.0	95	50	Yes		SYLD
1CGUS	CAPITAL GROUP CORE EQUITY ETF	CGUS	999	5.0	95	50	Yes		CGUS
1CGDV	CAPITAL GROUP DIVIDEND VALUE ETF	CGDV	999	5.0	95	50	Yes		CGDV
1CGGR	CAPITAL GROUP GROWTH ETF	CGGR	999	5.0	95	50	Yes		CGGR
10024	CBOE MSCI USA INDEX	00024	9	5.0	95	50	Yes	MUN	PBUS
1CDL	CEMP US LARGE CAP 500 VOLATILITY WEIGHTED INDEX	CDL	999	5.0	95	50	Yes		CDL
1CHGX	CHANGE FINANCE US LARGE CAP FOSSIL FREE	CHGX	999	5.0	95	50	Yes		CHGX
1DJD	CLAYMORE EXCHANGE TRD FD TRGUGGENHEIM ETF	DJD	999	5.0	95	50	Yes		DJD
1TIME	CLOCKWISE CAPITAL INNOVATION ETF	TIME	999	5.0	95	95	Yes		TIME
1INCO	COLUMBIA INDIA CONSUMER ETF	INCO	999	7.5	95	50	Yes		INCO
1XLC	COMMUNICATION SERVICES SELECT SECTOR INDEX	XLC	999	5.0	95	95	Yes	XAZ	XLC
1QABA	COMMUNITY BANK INDEX FUND	QABA	999	7.5	95	95	Yes		QABA
1CSB	COMPASS EMP FDS TREMP US SMCP HG	CSB	999	7.5	95	50	Yes		CSB
1CFA	COMPASS EMP FDS TRUS 500 VOL WT	CFA	999	5.0	95	50	Yes		CFA
1CFO	COMPASS EMP FDS TRUS500 ENH VOL	CFO	999	5.0	95	50	Yes		CFO
1CDC	COMPASS EMP U.S. EQ INCOME 100 ENHANCED VOLATILITY	CDC	999	5.0	95	50	Yes		CDC
1XLY	CONSUMER DISCRETIONARY SELECT SECTOR	XLY	999	5.0	95	95	Yes	XAY	XLY, WANT
1XLP	CONSUMER STAPLES SPDR	XLP	999	5.0	95	95	Yes	XAP	XLP
10046	CRSP US SMALL CAP INDEX	00046	45	7.5	95	50	Yes		VB
1VBR	CRSP US SMALL CAP VALUE INDEX	VBR	999	7.5	95	50	Yes		VBR
1KWEB	CSI CHINA OVERSEAS INTERNET INDEX	KWEB	999	7.5	95	95	Yes		KWEB, CWEB
1ASHR	CSI 300 CHINA A SHARES	ASHR	999	5.0	95	95	Yes		ASHR, CHAU
1AFTY	CSOP ETF TRFTSE CHINA A50	AFTY	999	5.0	95	95	No		AFTY
1DUSA	DAVIS FUNDAMENTAL ETF TRSELECT US EQTY	DUSA	999	5.0	95	95	Yes		DUSA

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1HDEF	DBX ETF TREAPE HGH DV YL	HDEF	999	5.0	95	50	Yes		HDEF
1ASHX	DBX ETF TRX TRACK HARVES	ASHX	999	7.5	95	50	No		
1PSWD	DBX ETF TRXTRACKERS CYBER	PSWD	999	5.0	95	95	Yes		PSWD
1CHPS	DBX ETF TRXTRACKERS SEMICO	CHPS	999	5.0	95	95	Yes		CHPS
1UPGR	DBX ETF TRXTRACKERS US	UPGR	999	5.0	95	95	Yes		UPGR
1CRTC	DBX ETF TRXTRACKERS US NAT	CRTC	999	5.0	95	95	Yes		CRTC
1SIXG	DEFIANCE CONNECTIVE TECHNOLOGIES	SIXG	999	7.5	95	95	Yes		SIXG
1ASHS	DEUTSCHE X-TRACKERS HARVEST CSI 500 CHINA A SHARES	ASHS	999	7.5	95	50	Yes		ASHS
1DFIV	DIMENSIONAL ETF TRUSTINTERNATNAL VAL	DFIV	999	5.0	95	50	Yes		DFIV
1DFAI	DIMENSIONAL ETF TRUSTINTL CORE EQT MK	DFAI	999	5.0	95	50	Yes		DFAI
1DFAU	DIMENSIONAL ETF TRUSTUS CORE EQT MKT	DFAU	999	5.0	95	50	Yes		DFAU
1DFAC	DIMENSIONAL ETF TRUSTUS CORE EQUITY 2	DFAC	999	5.0	95	50	Yes		DFAC
1DFUS	DIMENSIONAL ETF TRUSTUS EQUITY ETF	DFUS	999	5.0	95	50	Yes		DFUS
1DFLV	DIMENSIONAL ETF TRUSTUS LARGE CAP VAL	DFLV	999	5.0	95	50	Yes		DFLV
1DFUV	DIMENSIONAL ETF TRUSTUS MKTWIDE VALUE	DFUV	999	5.0	95	50	Yes		DFUV
1DFSU	DIMENSIONAL ETF TRUSTUS SUSTAINABILTY	DFSU	999	5.0	95	50	Yes		DFSU
1DFIP	DIMENSIONAL INFLATION-PROTECTED	DFIP	999	5.0	95	95	Yes		DFIP
1DFIC	DIMENSIONAL INTERNATIONAL CORE EQUITY 2 ETF	DFIC	999	5.0	95	50	Yes		DFIC
1DIHP	DIMENSIONAL INTERNATIONAL HIGH PROFITABILITY ETF	DIHP	999	5.0	95	50	Yes		DIHP
1DUHP	DIMENSIONAL US HIGH PROFITABILIT	DUHP	999	5.0	95	50	Yes		DUHP
1DFAR	DIMENSIONAL US REAL ESTATE ETF	DFAR	999	5.0	95	95	Yes		DFAR
1DFSV	DIMENSIONAL US SMALL CAP VALUE E	DFSV	999	7.5	95	50	Yes		DFSV
1DFAX	DIMENSIONAL WORLD EX U.S. CORE EQUITY 2 ETF	DFAX	999	5.0	95	50	Yes		DFAX
1FNGG	DIREXION DAILY SELECT LARGE CAPS	FNGG	999	5.0	95	95	Yes		FNGG



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1AIBU	DIREXION SHS ETF TRDAILY AI AND BIG	AIBU	999	5.0	95	95	Yes		AIBD, AIBU
1XXCH	DIREXION SHS ETF TRDAILY MSCI EMERG	XXCH	999	5.0	95	50	Yes		XXCH
1OOTO	DIREXION SHS ETF TRDAILY TRAVEL VAC	OOTO	999	5.0	95	95	Yes		OOTO
1EVAV	DIREXION SHS ETF TRDLY ELCT AND AUT	EVAV	999	5.0	95	95	Yes		EVAV
1MEXX	DIREXION SHS ETF TRDLY MSCI MX 3X	MEXX	999	5.0	95	50	Yes		MEXX
1HJEN	DIREXION SHS ETF TRHYDROGEN ETF	HJEN	999	7.5	95	95	No		HJEN
1MOON	DIREXION SHS ETF TRMOONSHOT INNOVAT	MOON	999	7.5	95	95	No		MOON
1WFH	DIREXION SHS ETF TRWORK FROM HOME	WFH	999	5.0	95	95	Yes		WFH
1IYK	DJ US CONSUMER GOODS INDEX	IYK	999	5.0	95	95	Yes		IYK, SZK, UGE
1IYC	DJ US CONSUMER SERVICES INDEX	IYC	999	5.0	95	95	Yes		IYC, UCC, SCC
10096	DJ US FINANCIAL SERVICES INDEX	00096	99	5.0	95	95	Yes		IYG
1IYH	DJ US HEALTH CARE INDEX	IYH	999	5.0	95	95	Yes		IYH, RXL, RXD
1IYJ	DJ US INDUSTRIALS INDEX	IYJ	999	5.0	95	95	Yes		IYJ, SIJ, UXI
10104	DJ US OIL & GAS EXPLR & PROD	00104	16	5.0	95	95	Yes		IEO
10102	DJ US OIL EQUIP & SERVICES	00102	15	5.0	95	95	Yes		IEZ
10061	DJ US REAL ESTATE INDEX	00061	68	5.0	95	95	Yes	JR	IYR
1IYZ	DJ US SELECT TELECOMMUNICATIONS	IYZ	999	5.0	95	95	Yes		IYZ, LTL
10120	DJ US SEMICONDUCTORS INDEX	00120	104	5.0	95	95	Yes		USD, SSG
1PSL	DORSEY WRIGHT CONSUMER STAPLES TECHNICAL LEADERS	PSL	999	5.0	95	50	Yes		PSL
1FV	DORSEY WRIGHT FOCUS FIVE INDEX	FV	999	5.0	95	95	Yes		FV
1IDV	DOW JONES EPAC SELECT DIVIDEND	IDV	999	5.0	95	50	Yes		IDV
10016	DOW JONES INDUSTRIAL AVERAGE	00016	9	5.0	95	50	Yes	YM, MYM, ADR	DIA, DDM, DXD, DOG, SDOW, UDOW
10517	DOW JONES U.S. INDEX	00517	9	5.0	95	50	Yes		IYY
10037	DOW JONES U.S. SELECT PHARMACEUTICALS INDEX	00037	37	5.0	95	95	Yes		IHE



## Valid Basket Codes for RBH and CPM

Valid Basket Codes for RBH and CPM							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
10064	DOW JONES U.S. SELECT REIT INDEX	00064	68	5.0	95	95	Yes		RWR, SCHH
10077	DOW JONES U.S. SMALL CAP TOTAL STOCK MARKET INDEX	00077	45	7.5	95	50	Yes		SCHA
10019	DOW JONES US BROAD STOCK MARKET INDEX	00019	9	5.0	95	50	Yes		SCHB
10028	DOW JONES US SELECT HOME BUILDERS INDEX	00028	30	5.0	95	95	Yes		ITB, NAIL
10516	DYNAMIC BIOTECH & GENOME INTELLIDEX INDEX	00516	36	5.0	95	95	Yes		PBE
10038	DYNAMIC PHARMACEUTICAL INTELLIDEX INDEX	00038	37	5.0	95	95	Yes		PJP
10113	DYNAMIC SERVICES INTELLIDEX INDEX	00113	15	5.0	95	95	Yes		PXJ
1VOTE	Engine No. 1 Transform 500 ETF	VOTE	999	5.0	95	50	No		VOTE
1BSVO	EA SERIES TRUSTEA BRIDGEWAY OMN	BSVO	999	7.5	95	95	Yes		BSVO
1DRLL	EA SERIES TRUSTSTRIVE US ENERGY	DRLL	999	5.0	95	95	Yes		DRLL
1ECON	EGSHARES EMERGING MARKETS CONSUMER ETF	ECON	999	7.5	95	95	Yes		ECON
10116	ENERGY SELECT SECTOR INDEX	00116	15	5.0	95	95	Yes	XAE	XLE, DUG, DIG, DDG, ERY, ERX
1NETZ	ENGINE NO 1 TRANSFORM CLIMATE ET	NETZ	999	5.0	95	50	Yes		NETZ
10023	ESG NASDAQ 100 INDEX	00023	8	5.0	95	95	No		QQMG
1AIEQ	ETF MANAGERS TRAI POWERED EQT	AIEQ	999	5.0	95	95	Yes		AIEQ
1VALT	ETF MANAGERS TRETIMG SIT ULTR	VALT	999	5.0	95	50	No		
1AWAY	ETF MANAGERS TRETIMG TRAVEL TEC	AWAY	999	7.5	95	95	Yes		AWAY
1USAI	ETF SER SOLUTIONSAMERN ENERGY	USAI	999	5.0	95	95	Yes		USAI
1CRUZ	ETF SER SOLUTIONSDEFIANCE HTL AIR	CRUZ	999	5.0	95	95	Yes		CRUZ
1HDRO	ETF SER SOLUTIONSDEFIANCE NEXT	HDRO	999	7.5	95	95	Yes		HDRO
1QTUM	ETF SER SOLUTIONSDEFIANCE QUANT	QTUM	999	5.0	95	95	Yes		QTUM
1DSTL	ETF SER SOLUTIONSDISTILLATE US	DSTL	999	7.5	95	50	Yes		DSTL
1HOMZ	ETF SER SOLUTIONSHOYA CAP HOUSI	HOMZ	999	5.0	95	95	Yes		HOMZ
1RIET	ETF SER SOLUTIONSHOYA CAPT HI DIV	RIET	999	7.5	95	95	Yes		RIET

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1HIPS	ETF SER SOLUTIONSMASTER INC ETF	HIPS	999	7.5	95	50	Yes		HIPS
1NUSI	ETF SER SOLUTIONSNATIONWIDE RSK	NUSI	999	5.0	95	95	Yes		NUSI
1JETS	ETF SER SOLUTIONSUS GLB JETS	JETS	999	5.0	95	95	Yes		JETS
1VEGN	ETF SER SOLUTIONSUS VEGAN CLIMA	VEGN	999	7.5	95	95	Yes		VEGN
1DAX	ETF SER TRGERMANY ETF	DAX	999	5.0	95	50	Yes		DAX
1BBC	ETFIS SER TR IBIOSHS BIO CLI	BBC	999	7.5	95	95	Yes		BBC
1BBP	ETFIS SER TR IBIOSHS BIOTE	BBP	999	7.5	95	95	Yes		BBP
1VRAI	ETFIS SER TR IVIRTUS REAL AS	VRAI	999	5.0	95	95	No		VRAI
1MJ	ETFMG ALTERNATIVE HARVEST ETF	MJ	999	7.5	95	95	Yes		MJ
10040	EURO STOXX 50 INDEX	00040	42	5.0	95	50	Yes		FEZ
1CLSM	EXCHANGE LISTED FDS TRCABANA MODERATE	CLSM	999	7.5	95	95	No		CLSM
1TDSC	EXCHANGE LISTED FDS TRCABANA TARGET 10	TDSC	999	5.0	95	95	Yes		TDSC
1TDSB	EXCHANGE LISTED FDS TRCABANA TARGET 7	TDSB	999	5.0	95	95	No		TDSB
1CRIT	EXCHANGE TRADED CONCEPTS TROPTICA RARE EART	CRIT	999	5.0	95	95	Yes		CRIT
1ROBO	EXCHANGE TRADED CONCEPTS TRROB ST GLB ETF	ROBO	999	7.5	95	95	Yes		ROBO
1HTEC	EXCHANGE TRADED CONCEPTS TRROBO GBL HLTGR	HTEC	999	5.0	95	95	Yes		HTEC
1NUKZ	EXCHANGE TRADED CONCEPTS TRURANGE NUCLEAR RE	NUKZ	999	5.0	95	95	No		NUKZ
1ETHO	FACTORSHARES TRETHO CLMT LDR	ETHO	999	5.0	95	50	No		ETHO
1FDV	FEDERATED HERMES ETF TRUSTUS STRATEGIC DIV	FDV	999	5.0	95	50	Yes		FDV
1FRNW	FIDELITY CLEAN ENERGY ETF	FRNW	999	5.0	95	95	Yes		FRNW
1FDIS	FIDELITY COVINGTON TRMSCI CONSM DIS	FDIS	999	5.0	95	50	Yes		FDIS
1FIDU	FIDELITY COVINGTON TRMSCI INDL INDX	FIDU	999	5.0	95	50	Yes		FIDU
1FCOM	FIDELITY COVINGTON TRTELECOMM SVCS	FCOM	999	5.0	95	95	Yes		FCOM
1FBOT	FIDELITY COVINGTON TRUSTDISRUPTIVE AUTOM	FBOT	999	5.0	95	95	Yes		FBOT

## Valid Basket Codes for RBH and CPM

							SPECIAL NOTATIONS		
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1FELC	FIDELITY COVINGTON TRUSTENHANCED LARGE	FELC	999	5.0	95	50	No		FELC
1FDHT	FIDELITY DIGITAL HEALTH ETF	FDHT	999	5.0	95	95	Yes		FDHT
1FDRV	FIDELITY ELECTRIC VEHICLES AND F	FDRV	999	5.0	95	95	Yes		FDRV
1FLTB	FIDELITY LIMITED TERM BOND ETF	FLTB	999	5.0	95	95	No		FLTB
1FSTA	FIDELITY MSCI CONSUMER STAPLES INDEX	FSTA	999	5.0	95	95	Yes		FSTA
1FENY	FIDELITY MSCI ENERGY INDEX	FENY	999	5.0	95	95	Yes		FENY
1FNCL	FIDELITY MSCI FINANCIALS INDEX	FNCL	999	5.0	95	95	Yes		FNCL
1FHLC	FIDELITY MSCI HEALTH CARE INDEX	FHLC	999	5.0	95	95	Yes		FHLC
1FTEC	FIDELITY MSCI INFORMATION TECHNOLOGY INDEX	FTEC	999	5.0	95	95	Yes		FTEC
1FUTY	FIDELITY MSCI UTILITIES INDEX	FUTY	999	5.0	95	95	Yes		FUTY
1FCPI	FIDELITY STOCKS FOR INFLATION ETF	FCPI	999	5.0	95	50	Yes		FCPI
10395	FIDELITY TOTAL BOND ETF	00395	152	5.0	95	95	Yes		FBND
1FDVV	FIDELITYCORE DIVID ETF	FDVV	999	5.0	95	50	Yes		FDVV
1FDRR	FIDELITYDIVID ETF RISI	FDRR	999	5.0	95	50	Yes		FDRR
1FIDI	FIDELITYINT HG DIV ETF	FIDI	999	5.0	95	50	Yes		FIDI
1FDMO	FIDELITYMOMENTUM FACTR	FDMO	999	5.0	95	50	Yes		FDMO
1FQAL	FIDELITYQLTY FCTOR ETF	FQAL	999	5.0	95	50	Yes		FQAL
1FSMD	FIDELITYSML MID FACTR	FSMD	999	7.5	95	50	Yes		FSMD
1FVAL	FIDELITYVLU FACTOR ETF	FVAL	999	5.0	95	50	Yes		FVAL
10098	FINANCIAL SELECT SECTOR INDEX	00098	99	5.0	95	95	Yes	XAF	XLFF, SKF, UYG, SEF, FAZ, FAS
1HUSV	FIRST TR EXCH TRADED FD IIIHORIZON DMST ETF	HUSV	999	5.0	95	50	No		HUSV
1HSMV	FIRST TR EXCH TRADED FD IIIHORIZON VOL SMCP	HSMV	999	7.5	95	50	No		HSMV
1FTDS	FIRST TR EXCHANGE DIVIDEND STRENGTH	FTDS	999	5.0	95	50	No		FTDS
1FDNI	FIRST TR EXCHANGE TRADED FDDJ INTL INTRNT	FDNI	999	5.0	95	95	Yes		FDNI

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1FVC	FIRST TR EXCHANGE TRADED FDDORSEY WRIGHT	FVC	999	7.5	95	95	No		FVC
1IFV	FIRST TR EXCHANGE TRADED FDDORSEY WRIGHT	IFV	999	7.5	95	50	Yes		IFV
1EDOW	FIRST TR EXCHANGE TRADED FDDOW 30 EQL WGT	EDOW	999	5.0	95	50	Yes		EDOW
1ECLN	FIRST TR EXCHANGE TRADED FDEIP CARBON IMP	ECLN	999	5.0	95	95	Yes		ECLN
1LEGR	FIRST TR EXCHANGE TRADED FDINDXX INOVTV ETF	LEGR	999	5.0	95	95	Yes		LEGR
1ARVR	FIRST TR EXCHANGE TRADED FDINDXX METAVERSE	ARVR	999	5.0	95	95	Yes		ARVR
1ROBT	FIRST TR EXCHANGE TRADED FDNASDQ ARTFCIAL	ROBT	999	5.0	95	95	Yes		ROBT
1FTXG	FIRST TR EXCHANGE TRADED FDNASDQ FOD BVRG	FTXG	999	5.0	95	95	Yes		FTXG
1FTXN	FIRST TR EXCHANGE TRADED FDNASDQ OIL GAS	FTXN	999	5.0	95	95	Yes		FTXN
1FTXH	FIRST TR EXCHANGE TRADED FDNASDQ PHRMTCLS	FTXH	999	5.0	95	95	Yes		FTXH
1DDIV	FIRST TR EXCHANGE-TRADED FDDORSEYWRIGHT MOM	DDIV	999	5.0	95	50	No		DDIV
1DVOL	FIRST TR EXCHANGE-TRADED FDDORSY WR MOMNT	DVOL	999	5.0	95	95	Yes		DVOL
1MISL	FIRST TR EXCHANGE-TRADED FDINDXX AEROSPACE	MISL	999	5.0	95	95	Yes		MISL
1EKG	FIRST TR EXCHANGE-TRADED FDNASDAQ LUX DIGI	EKG	999	5.0	95	95	Yes		EKG
1FTCE	FIRST TR EXCHANGE-TRADED FDNEW CONSTRUCTS C	FTCE	999	5.0	95	50	No		FTCE
1AFLG	FIRST TR EXCHNG TRADED FD VIACTV FCTR AFLG LGCP	AFLG	999	5.0	95	50	No		AFLG
1AFMC	FIRST TR EXCHNG TRADED FD VIACTV FCTR AFMC MDCP	AFMC	999	5.0	95	50	No		AFMC
1AFSM	FIRST TR EXCHNG TRADED FD VIACTV FCTR AFSM SMCP	AFSM	999	7.5	95	50	No		AFSM
1XPND	FIRST TR EXCHNG TRADED FD VIEXPANDED TECHNOL	XPND	999	5.0	95	95	Yes		XPND
1MMLG	FIRST TR EXCHNG TRADED FD VIMLT MNGD LRG GRW	MMLG	999	5.0	95	95	No		MMLG
1CRPT	FIRST TR EXCHNG TRADED FD VISKYBRIDGE CRYPTO	CRPT	999	5.0	95	95	Yes		CRPT
1SDVY	FIRST TR EXHCANGE TRADED FDSMID RISNG ETF	SDVY	999	7.5	95	50	Yes		SDVY
1QCLN	FIRST TRST NASDAQ GREEN ENERGY	QCLN	999	5.0	95	50	Yes		QCLN
1RBLD	FIRST TRUST ALERIAN US NEXTGEN INFRASTRUCTURE ETF	RBLD	999	5.0	95	95	Yes		RBLD

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1FBZ	FIRST TRUST BRAZIL ALPHADEX FUND	FBZ	999	7.5	95	50	Yes		FBZ
1FTCS	FIRST TRUST CAPITAL STRENGTH ETF	FTCS	999	5.0	95	50	Yes		FTCS
1FCA	FIRST TRUST CHINA ALPHADEX FUND	FCA	999	5.0	95	50	Yes		FCA
1FXG	FIRST TRUST CONSUMER STAPLES FND	FXG	999	5.0	95	95	Yes		FXG
1FDN	FIRST TRUST DOW JONES INTERNET	FDN	999	5.0	95	95	Yes		FDN, WEBS, WEBL
1FDM	FIRST TRUST DOW JONES SELECT M	FDM	999	7.5	95	50	No		FDM
1FEM	FIRST TRUST EMERGING MARKETS ALPHADEX FUND	FEM	999	7.5	95	50	Yes		FEM
1FEMB	FIRST TRUST EMERGING MARKETS LOCAL CURRENCY BOND	FEMB	999	5.0	95	95	No		FEMB
1FEMS	FIRST TRUST EMERGING MARKETS SMA	FEMS	999	7.5	95	50	Yes		FEMS
1FXN	FIRST TRUST ENERGY ALPHADEX FUND	FXN	999	5.0	95	95	Yes		FXN
1FTSM	FIRST TRUST ENHANCED SHORT MATURITY ETF	FTSM	999	5.0	95	50	Yes		FTSM
1FEP	FIRST TRUST EUROPE ALPHADEX FUND	FEP	999	5.0	95	50	Yes		FEP
1FEUZ	FIRST TRUST EUROZONE ALPHADEX ETF	FEUZ	999	5.0	95	50	Yes		FEUZ
1FXO	FIRST TRUST FINANCIALS ALPHADEX	FXO	999	5.0	95	95	Yes		FXO
1FGM	FIRST TRUST GERMANY ALPHADEX FUND	FGM	999	5.0	95	50	Yes		FGM
1FAN	FIRST TRUST GLOBAL WIND ENERGY F	FAN	999	7.5	95	95	Yes		FAN
1FXH	FIRST TRUST HEALTH CARE ALPHADEX	FXH	999	5.0	95	95	Yes		FXH
1NFTY	FIRST TRUST INDIA NIFTY 50 EQUAL	NFTY	999	5.0	95	50	Yes		NFTY
1FXR	FIRST TRUST INDUSTRIALS/PRODUCER DURABLES ALPHADEX	FXR	999	5.0	95	95	Yes		FXR
1FTAG	FIRST TRUST INDXX GLOBAL AGRICULTURE	FTAG	999	5.0	95	95	Yes		FTAG
1FTRI	FIRST TRUST INDXX GLOBAL NATURAL RESOURCES INCOME	FTRI	999	5.0	95	95	Yes		FTRI
1MDEV	FIRST TRUST INDXX MEDICAL DEVICES ETF	MDEV	999	5.0	95	95	Yes		MDEV
1NXTG	FIRST TRUST INDXX NEXTG ETF	NXTG	999	5.0	95	50	Yes		NXTG
1SKYY	FIRST TRUST ISE CLOUD COMPUTING	SKYY	999	5.0	95	95	Yes		SKYY

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Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
1FEX	FIRST TRUST LARGE CAP CORE ALPHADEX FUND	FEX	999	5.0	95	50	Yes		FEX
1FTC	FIRST TRUST LARGE CAP GROWTH FND	FTC	999	5.0	95	50	Yes		FTC
1FTA	FIRST TRUST LARGE CAP VALUE FUND	FTA	999	5.0	95	50	Yes		FTA
1LMBS	FIRST TRUST LOW DURATION MORTGAGE OPPORTUNITIES	LMBS	999	5.0	95	95	Yes		LMBS
1FXZ	FIRST TRUST MATERIALS FUND	FXZ	999	5.0	95	95	Yes		FXZ
1FNX	FIRST TRUST MID CAP CORE ALPHADEX	FNX	999	7.5	95	50	Yes		FNX
1FNY	FIRST TRUST MID CAP GROWTH ALPHADEX FUND	FNY	999	5.0	95	50	Yes		FNY
1FNK	FIRST TRUST MID CAP VALUE FUND	FNK	999	7.5	95	50	Yes		FNK
1FDL	FIRST TRUST MORNINGSTAR DIVIDEND LEADERS FUND	FDL	999	5.0	95	50	Yes		FDL
1FAB	FIRST TRUST MULTI CAP VALUE FUND	FAB	999	5.0	95	50	Yes		FAB
1MMSC	FIRST TRUST MULTI-MANAGER SMALL CAP	MMSC	999	7.5	95	50	No		MMSC
1GRID	FIRST TRUST NASDAQ CLEAN EDGE SM	GRID	999	5.0	95	50	Yes		GRID
1CARZ	FIRST TRUST NASDAQ GLOBAL AUTO I	CARZ	999	5.0	95	95	Yes		CARZ
1QQXT	FIRST TRUST NASDAQ-100 EX-TECHNO	QQXT	999	5.0	95	50	Yes		QQXT
1QTEC	FIRST TRUST NASDAQ-100 TECHNOLOG	QTEC	999	5.0	95	95	Yes		QTEC
1EMLP	FIRST TRUST NORTH AMERICAN ENERGY INFRASTRUCTURE	EMLP	999	5.0	95	95	Yes		EMLP
1FPE	FIRST TRUST PREFERRED SECURITIES AND INCOME ETF	FPE	999	5.0	95	95	Yes		FPE
1FID	FIRST TRUST S&P INTERNATIONAL DI	FID	999	5.0	95	50	Yes		FID
1FRI	FIRST TRUST S&P REIT INDEX FUND	FRI	999	5.0	95	95	Yes		FRI
1FTSL	FIRST TRUST SENIOR LOAN FUND	FTSL	999	5.0	95	50	Yes		FTSL
1FYX	FIRST TRUST SMALL CAP CORE ALPHA	FYX	999	7.5	95	50	Yes		FYX
1FYC	FIRST TRUST SMALL CAP GROWTH ALPHADEX FUND	FYC	999	7.5	95	50	Yes		FYC
1FYT	FIRST TRUST SMALL CAP VALUE ALPHADEX FUND	FYT	999	7.5	95	50	Yes		FYT
1FDD	FIRST TRUST STOXX EUROPEAN SELECT DIVIDEND INDEX	FDD	999	5.0	95	95	Yes		FDD

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10396	FIRST TRUST TCW OPPORTUNISTIC FIXED INCOME ETF	00396	152	5.0	95	95	Yes		FIXD
1FXL	FIRST TRUST TECHNOLOGY ALPHADEX	FXL	999	5.0	95	95	Yes		FXL
1FPX	FIRST TRUST US IPO INDEX FUND	FPX	999	5.0	95	95	Yes		FPX
1FXU	FIRST TRUST UTILITIES ALPHADEX FUND	FXU	999	5.0	95	95	Yes		FXU
1FGD	FIRSTTRUST DJ GLOBAL SELCT DIV30	FGD	999	5.0	95	95	Yes		FGD
10339	FLEXSHARES IBOXX 3-YEAR TARGET DURATION TIPS FUND	00339	139	5.0	95	95	No		TDTT
1RAVI	FLEXSHARES READY ACCESS VARIABLE INCOME FUND	RAVI	999	5.0	95	50	No		RAVI
1SKOR	FLEXSHARES TRCR SCD US BD	SKOR	999	5.0	95	95	No		SKOR
1FEUS	FLEXSHARES TRESG & CLM US LRG	FEUS	999	5.0	95	50	No		FEUS
1IQDF	FLEXSHARES TRINTL QLTDV IDX	IQDF	999	5.0	95	50	Yes		IQDF
1QDEF	FLEXSHARES TRQLT DIV DEF IDX	QDEF	999	5.0	95	50	Yes		QDEF
1NFRA	FLEXSHARES TRSTOXX GLOBR INF	NFRA	999	5.0	95	50	Yes		NFRA
1QLV	FLEXSHARES TRUS QT LW VLTY	QLV	999	5.0	95	50	No		QLV
1TILT	FLEXSHARES TRUST MORNINGSTAR U.S. MKT TILT ETF	TILT	999	5.0	95	50	No		TILT
1BUYZ	FRANKLIN DISRUPTIVE COMMERCE ETF	BUYZ	999	5.0	95	95	Yes		BUYZ
1XDAT	FRANKLIN EXPONENTIAL DATA ETF	XDAT	999	5.0	95	95	Yes		XDAT
1HELX	FRANKLIN GENOMIC ADVANCEMENTS ETF	HELX	999	5.0	95	95	Yes		HELX
1IQM	FRANKLIN INTELLIGENT MACHINES ETF	IQM	999	5.0	95	95	Yes		IQM
1DIVI	FRANKLIN INTERNATIONAL CORE DIVI	DIVI	999	5.0	95	50	Yes		DIVI
1LVHI	FRANKLIN INTERNATIONAL LOW VOLATILITY HIGH DIV	LVHI	999	5.0	95	50	Yes		LVHI
1FLQL	FRANKLIN LIBERTYQ U.S. EQUITY ETF	FLQL	999	5.0	95	50	Yes		FLQL
1FLBR	FRANKLIN TEMPLETON ETF TRFTSE BRAZIL	FLBR	999	5.0	95	50	Yes		FLBR
1FLCH	FRANKLIN TEMPLETON ETF TRFTSE CHINA	FLCH	999	5.0	95	50	Yes		FLCH
1FLMX	FRANKLIN TEMPLETON ETF TRFTSE MEXICO	FLMX	999	5.0	95	50	Yes		FLMX



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10397	FRANKLIN U.S. CORE BOND ETF	00397	152	5.0	95	95	No		FLCB
1USPX	FRANKLIN U.S. EQUITY INDEX ETF	USPX	999	5.0	95	50	Yes		USPX
1FLQM	FRANKLIN U.S. MID CAP MULTIFACTOR INDEX ETF	FLQM	999	5.0	95	50	Yes		FLQM
10190	FRANKLIN U.S. TREASURY BOND ETF	00190	190	5.0	95	95	No		FLGV
1FXD	FST TRST CONSUMER DISCRETIONARY	FXD	999	5.0	95	95	Yes		FXD
10167	FTSE ALL-WORLD EX US INDEX	00167	67	5.0	95	50	Yes		VEU
10080	FTSE CHINA 50 INDEX	00080	81	5.0	95	95	Yes	FT5	FXI, FXP, XPP, YANG, YINN, YXI
1GXG	FTSE COLOMBIA 20 INDEX	GXG	999	5.0	95	50	Yes		GXG
10525	FTSE DEVELOPED ALL CAP EX US INDEX	00525	522	5.0	95	50	Yes		VEA
10042	FTSE DEVELOPED EUROPE INDEX	00042	42	5.0	95	50	Yes		VGK, EPV, UPV
10075	FTSE DEVELOPED EUROPE RIC INDEX	00075	42	5.0	95	50	No		FLEE
10171	FTSE DEVELOPED EX US TOTAL RETURN INDEX	00171	67	5.0	95	50	Yes		SCHF
10535	FTSE EMERGING ALL CAP CHINA A INDEX	00535	523	5.0	95	50	Yes		VWO
1JPEM	FTSE EMERGING DIVERSIFIED FACTOR INDEX	JPEM	999	7.5	95	50	Yes		JPEM
10526	FTSE EMERGING INDEX	00526	523	5.0	95	50	Yes		SCHE
10170	FTSE GLOBAL ALL CAP EX US INDEX	00170	67	5.0	95	50	Yes		VXUS
10166	FTSE GLOBAL ALL CAP INDEX	00166	67	5.0	95	50	Yes		VT
10056	FTSE JAPAN RIC CAPPED INDEX	00056	59	5.0	95	50	Yes		FLJP
1REM	FTSE NAREIT MORTGAGE PLUS INDEX	REM	999	5.0	95	95	Yes		REM
1PDN	FTSE RAFI DEVD MKTS X-US SML-MID	PDN	999	7.5	95	95	Yes		PDN
1PXF	FTSE RAFI DEVELOPED MRKTS EX-US	PXF	999	5.0	95	95	Yes		PXF
10531	FTSE RAFI EMERGING MARKETS INDEX	00531	523	5.0	95	50	Yes		PXH
1PRFZ	FTSE RAFI US 1500 SMALL-MID INDEX	PRFZ	999	7.5	95	50	Yes		PRFZ
1OUSA	FTSE US QUAL VOL YIELD FACTOR 5% CAPPED INDEX	OUSA	999	5.0	95	95	Yes		OUSA

## Valid Basket Codes for RBH and CPM

Valid Basket Codes for RBH and CPM							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
10604	FTSE USA ALL CAP CHOICE INDEX	00604	9	5.0	95	50	Yes		ESGV
10060	FTSE 100 INDEX	00060	60	5.0	95	50	No	FT1	
10337	FTSE 30 YEAR TIPS INDEX	00337	137	5.0	95	95	Yes		RINF
1GSEW	Goldman Sachs Equal Weight US Large Cap Equity ETF	GSEW	999	5.0	95	50	Yes		GSEW
1DGT	GLOBAL DOW INDEX	DGT	999	5.0	95	50	Yes		DGT
1AGNG	GLOBAL X AGING POPULATION ETF	AGNG	999	5.0	95	95	Yes		AGNG
1CHIQ	GLOBAL X CHINA CONSUMER ETF	CHIQ	999	5.0	95	95	Yes		CHIQ
1CHIX	GLOBAL X CHINA FINANCIALS ETF	CHIX	999	5.0	95	95	No		
1COPX	GLOBAL X COPPER MINERS	COPX	999	5.0	95	95	Yes		COPX
1DMAT	GLOBAL X DISRUPTIVE MATERIALS ET	DMAT	999	5.0	95	95	Yes		DMAT
1DRIV	GLOBAL X FDSAUTONMOUS EV ETF	DRIV	999	5.0	95	95	Yes		DRIV
1POTX	GLOBAL X FDSCANNABIS ETF	POTX	999	7.5	95	95	No		
1CHB	GLOBAL X FDSCHINA BIOTECHINV	CHB	999	5.0	95	95	No		
1AQWA	GLOBAL X FDSCLEAN WTR ETF	AQWA	999	5.0	95	95	Yes		AQWA
1CTEC	GLOBAL X FDSCLEANTECH ETF	CTEC	999	5.0	95	95	Yes		CTEC
1CLOU	GLOBAL X FDS CLOUD COMPUTNG	CLOU	999	5.0	95	95	Yes		CLOU, CLDL
1KRMA	GLOBAL X FDS CONSCIOUS COS	KRMA	999	5.0	95	50	Yes		KRMA
1BUG	GLOBAL X FDSCYBRSCURTY ETF	BUG	999	5.0	95	95	Yes		BUG
1FINX	GLOBAL X FDSFINTEC THMATIC	FINX	999	5.0	95	95	Yes		FINX
1AIQ	GLOBAL X FDSFUTR ANALY ETF	AIQ	999	5.0	95	95	Yes		AIQ
1BKCH	GLOBAL X FDSGBL X BLOCKCHAIN	BKCH	999	5.0	95	95	Yes		BKCH
1HYDR	GLOBAL X FDSGBL X HYDROGEN	HYDR	999	5.0	95	95	Yes		HYDR
1GNOM	GLOBAL X FDSGENOMIC BIOTECH	GNOM	999	7.5	95	95	Yes		GNOM
1KROP	GLOBAL X FDSGLOBAL X AGTECH	KROP	999	5.0	95	95	Yes		KROP

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1SNSR	GLOBAL X FDSINTRT THNG TMT	SNSR	999	5.0	95	95	Yes		SNSR
1VR	GLOBAL X FDSMETAVERSE ETF	VR	999	5.0	95	95	No		
1MILN	GLOBAL X FDSMILL THEMCF ETF	MILN	999	5.0	95	50	Yes		MILN
1CHIS	GLOBAL X FDSMSCI CHINA CON	CHIS	999	5.0	95	95	No		
1CHIK	GLOBAL X FDSMSCI CHINA IT	CHIK	999	5.0	95	50	No		
1CHIR	GLOBAL X FDSMSCI CHINA RE	CHIR	999	5.0	95	95	No		
1EFAS	GLOBAL X FDSMSCI SUPDIV EA	EFAS	999	5.0	95	50	Yes		EFAS
1PTEC	GLOBAL X FDSPROPTECH ETF	PTEC	999	5.0	95	95	Yes		PTEC
1PFFV	GLOBAL X FDSRATE PREFERRED	PFFV	999	5.0	95	95	Yes		PFFV
1BOTZ	GLOBAL X FDSRBTCST ARTFL IN	BOTZ	999	5.0	95	95	Yes		BOTZ
1SRET	GLOBAL X FDSREIT ETF	SRET	999	5.0	95	95	Yes		SRET
1CATH	GLOBAL X FDSS&P 500 CATHOLIC	CATH	999	5.0	95	95	Yes		CATH
1QDIV	GLOBAL X FDSS&P 500 QLT ETF	QDIV	999	5.0	95	50	Yes		QDIV
1RAYS	GLOBAL X FDSSOLAR ETF	RAYS	999	5.0	95	95	Yes		RAYS
1ALTY	GLOBAL X FDSSUPER DIV ALTR	ALTY	999	5.0	95	50	Yes		ALTY
1SDEM	GLOBAL X FDSSUPERDIV EM MK	SDEM	999	5.0	95	95	Yes		SDEM
1GXTG	GLOBAL X FDSTHMTATC GWT ETF	GXTG	999	5.0	95	95	Yes		GXTG
1PFFD	GLOBAL X FDSUS PFD ETF	PFFD	999	5.0	95	95	Yes		PFFD
1WNDY	GLOBAL X FDSWIND ENERGY ETF	WNDY	999	5.0	95	95	Yes		WNDY
1EMBD	GLOBAL X FDSX EMERGING MKT	EMBD	999	5.0	95	50	Yes		EMBD
1BOSS	GLOBAL X FOUNDER-RUN COMPANIES ETF	BOSS	999	5.0	95	50	No		BOSS
1GREK	GLOBAL X FTSE GREECE 20 ETF	GREK	999	7.5	95	95	Yes		GREK
1ASEA	GLOBAL X FTSE SOUTHEAST ASIA ETF	ASEA	999	5.0	95	95	Yes		ASEA
1CHIC	GLOBAL X FUNDS GLOBAL X MSCI CHINA COMMS SERVICES	CHIC	999	5.0	95	95	No		

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1GURU	GLOBAL X GURU INDEX ETF	GURU	999	5.0	95	50	Yes		GURU
1LIT	GLOBAL X LITHIUM ETF	LIT	999	5.0	95	95	Yes		LIT
1CHIE	GLOBAL X MSCI CHINA ENERGY ETF	CHIE	999	5.0	95	95	No		
1CHIM	GLOBAL X MSCI CHINA MATERIALS ET	CHIM	999	5.0	95	95	No		
1SIL	GLOBAL X SILVER MINERS ETF	SIL	999	5.0	95	95	Yes		SIL
1SOCL	GLOBAL X SOCIAL MEDIA ETF	SOCL	999	5.0	95	95	Yes		SOCL
1SDIV	GLOBAL X SUPERDIVIDEND ETF	SDIV	999	5.0	95	50	Yes		SDIV
1DIV	GLOBAL X SUPERDIVIDEND US ETF	DIV	999	5.0	95	50	Yes		DIV
1URA	GLOBAL X URANIUM ETF	URA	999	5.0	95	95	Yes		URA
1PAVE	GLOBAL X US INFRASTRUCTURE DEVEL	PAVE	999	5.0	95	95	Yes		PAVE
10366	GOLDMAN SACHS ACCESS TREASURY 0-1 YEAR ETF	00366	166	5.0	95	95	Yes		GBIL
10541	GOLDMAN SACHS ACTIVEBETA EMERGING MARKETS EQUITY	00541	523	5.0	95	50	Yes		GEM
10174	GOLDMAN SACHS ACTIVEBETA INTERNATIONAL EQUITY ETF	00174	67	5.0	95	50	Yes		GSIE
1GSLC	GOLDMAN SACHS ACTIVEBETA U.S. LARGE CAP EQUITY IND	GSLC	999	5.0	95	50	Yes		GSLC
10087	GOLDMAN SACHS ACTIVEBETA U.S. SMALL CAP EQUITY IND	00087	45	7.5	95	50	No		GSSC
1GLOV	GOLDMAN SACHS ACTIVEBETA WORLD LOW VOL PLUS EQUITY	GLOV	999	5.0	95	50	Yes		GLOV
1GCLN	GOLDMAN SACHS BLOOMBERG CLEAN EN	GCLN	999	5.0	95	95	Yes		GCLN
1GHYB	GOLDMAN SACHS ETF TRACCESS HIG YLD	GHYB	999	5.0	95	50	Yes		GHYB
1GIGB	GOLDMAN SACHS ETF TRACCESS INVT GR	GIGB	999	5.0	95	50	Yes		GIGB
1GCOR	GOLDMAN SACHS ETF TRACCESS US AGRAT	GCOR	999	5.0	95	95	Yes		GCOR
1GTEK	GOLDMAN SACHS ETF TRFUTURE TECH LEAD	GTEK	999	5.0	95	95	Yes		GTEK
1GVIP	GOLDMAN SACHS ETF TRHEDGE IND ETF	GVIP	999	5.0	95	95	Yes		GVIP
1GINN	GOLDMAN SACHS ETF TRINNOVAT EQ ETF	GINN	999	5.0	95	95	Yes		GINN
1JUST	GOLDMAN SACHS ETF TRJUST US LRG CP	JUST	999	5.0	95	50	Yes		JUST

## Valid Basket Codes for RBH and CPM

							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
1GDOC	GOLDMAN SACHS FUTURE HEALTH CARE	GDOC	999	5.0	95	95	Yes		GDOC
1GSUS	GOLDMAN SACHS MARKETBETA U.S. EQUITY ETF	GSUS	999	5.0	95	50	Yes		GSUS
1DRUP	GRANITESHARES NASDAQ SELECT DISR	DRUP	999	5.0	95	95	Yes		DRUP
1GFOF	GRAYSCALE FUTURE OF FINANCE ETF	GFOF	999	7.5	95	95	Yes		GFOF
1CQQQ	GUGGENHEIM CHINA TECHNOLOGY ETF	CQQQ	999	5.0	95	95	Yes		CQQQ
1CZA	GUGGENHEIM MID-CAP CORE ETF	CZA	999	7.5	95	50	No		CZA
1CVY	GUGGENHEIM MULTI-ASSET INCOME ET	CVY	999	5.0	95	50	Yes		CVY
1RYJ	GUGGENHEIM RAYMOND JAMES SB-1 EQ	RYJ	999	7.5	95	50	No		UPGD
1XLG	GUGGENHEIM RUSSELL TOP 50 MEGA CAP	XLG	999	5.0	95	50	Yes		XLG
1CGW	GUGGENHEIM S&P GLOBAL WATER ETF	CGW	999	5.0	95	95	Yes		CGW
1RPV	GUGGENHEIM S&P 500 PURE VALUE ETF	RPV	999	5.0	95	50	Yes		RPV
1TAN	GUGGENHEIM SOLAR ETF	TAN	999	5.0	95	95	Yes		TAN
1CSD	GUGGENHEIM SPIN-OFF ETF	CSD	999	5.0	95	95	Yes		CSD
1CUT	GUGGENHEIM TIMBER ETF	CUT	999	5.0	95	95	Yes		CUT
1GTO	GUGGENHEIM TOTAL RETURN BOND ETF	GTO	999	5.0	95	50	No		GTO
1HAPS	HARBOR ETF TRUSTCORPORATE CULT	HAPS	999	7.5	95	50	No		HAPS
1HAPY	HARBOR HUMAN CAPITAL FACTOR UN	HAPY	999	5.0	95	95	No		HAPY
1XLV	HEALTH CARE SELECT SECTOR INDEX	XLV	999	5.0	95	95	Yes	XAV	XLV, CURE
1PHB	HIGH YIELD CORPORATE BOND INDEX	PHB	999	5.0	95	95	Yes		PHB
1HAUS	HOME APPRECIATION U.S. REIT ETF	HAUS	999	7.5	95	95	Yes		HAUS
1OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	OMFL	999	5.0	95	50	Yes		OMFL
1XSHD	Invesco S&P SmallCap High Dividend Low Volatility	XSHD	999	7.5	95	50	Yes		XSHD
10372	IBOXX \$ LIQUID HIGH YIELD INDEX	00372	172	5.0	95	50	Yes		HYG, SJB, UJB
1LQD	IBOXX \$ LIQUID INVESTMENT GRADE	LQD	999	5.0	95	95	Yes		LQD

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							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
10331	ICE AMT-FREE NATIONAL MUNICIAPL INDEX	00331	135	5.0	95	95	Yes		MUB
10136	ICE BIOTECHNOLOGY INDEX	00136	36	5.0	95	95	Yes		IBB
10198	ICE BOFA CURRENT 20-YEAR US TREASURY INDEX	00198	154	5.0	95	95	Yes		UTWY
10193	ICE BOFA CURRENT 3-YEAR US TREASURY INDEX	00193	193	5.0	95	95	No		UTRE
10199	ICE BOFA CURRENT 30-YEAR US TREASURY INDEX	00199	154	5.0	95	95	Yes		UTHY
10197	ICE BOFA CURRENT 7-YEAR US TREASURY INDEX	00197	197	5.0	95	95	No		USVN
10381	ICE BOFA US HIGH YIELD CONSTRAINED INDEX	00381	172	5.0	95	50	Yes		USHY
10387	ICE BOFA US HIGH YIELD INDEX	00387	172	5.0	95	50	Yes		SPHY, BBHY
10191	ICE BOFA US 1-YEAR TREASURY BILL INDEX	00191	191	5.0	95	95	No		OBIL
10196	ICE BOFA US 6-MONTH TREASURY BILL INDEX	00196	196	5.0	95	95	Yes		XBIL
10195	ICE BOFA 5-YEAR US TREASURY INDEX	00195	195	5.0	95	95	No		UFIV
10405	ICE BOFA 5-10 YEAR US CORPORATE INDEX	00405	152	5.0	95	50	Yes		IGIB
10333	ICE BOFAML US TAXABLE MUNICIPAL SECURITIES PLUS IN	00333	143	5.0	95	95	Yes		BAB
10389	ICE LONG AMT FREE BROAD NATIONAL MUNICIPAL INDEX	00389	185	5.0	95	95	Yes		MLN
10078	ICE SEMICONDUCTOR SECTOR INDEX	00078	104	5.0	95	95	Yes		SOXX, SOXS, SOXL
10349	ICE U.S. TREASURY SHORT BOND INDEX	00349	149	5.0	95	95	Yes		SHV
10192	ICE U.S. TREASURY SHORT BOND INDEX	00192	192	5.0	95	95	No		TBLL
10343	ICE US TREASURY 20 PLUS YEAR BOND INDEX	00343	154	5.0	95	95	Yes		TLT, TBT, TMV, TMF, TBF, UBT, TTT
10347	ICE US TREASURY 3-7 YEAR INDEX	00347	147	5.0	95	95	Yes		IEI
1QAI	INDEXIQ HEDGE MULTI-STRTRY TRKR	QAI	999	5.0	95	95	Yes		QAI
1INQQ	INDIA INTERNET AND ECOMMERCE ETF	INQQ	999	5.0	95	50	Yes		INQQ
1PIN	INDUS INDIA INDEX	PIN	999	5.0	95	50	Yes		PIN
1XLI	INDUSTRIAL SELECT SECTOR INDEX	XLI	999	5.0	95	95	Yes	XAI	XLI, DUSL
1QQQD	INDXX FRONT OF THE Q INDEX	QQQD	999	5.0	95	95	No		QQQU, QQQD

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1BOUT	INNOVATOR ETFS TRIBD BREAKOUT	BOUT	999	5.0	95	50	No		BOUT
1LOUP	INNOVATOR ETFS TRLOUP FRONTIER	LOUP	999	7.5	95	95	Yes		LOUP
1FFTY	INNOVATOR IBD 50 FUND ETF	FFTY	999	7.5	95	95	Yes		FFTY
1SJIM	INVERSE CRAMER TRACKER ETF	SJIM	999	5.0	95	95	No		
1PSR	INVESCO ACTIVE U.S. REAL ESTATE	PSR	999	5.0	95	95	Yes		PSR
1IGPT	INVESCO AI AND NEXT GEN SOFTWARE ETF	IGPT	999	5.0	95	95	Yes		IGPT
1SATO	INVESCO ALERIAN GALAXY CRYPTO ECONOMY ETF	SATO	999	5.0	95	95	Yes		SATO
1POWA	INVESCO BLOOMBERG PRICING POWER ETF	POWA	999	5.0	95	95	Yes		POWA
10388	INVESCO CALIFORNIA AMT-FREE MUNICIPAL BOND ETF	00388	181	5.0	95	95	Yes		PWZ
1GBLD	INVESCO EXCH TRADED FD TR IIMSCI GREEN BUIL	GBLD	999	5.0	95	95	Yes		GBLD
1SPGP	INVESCO EXCHANGE TRADED FD TS&P	SPGP	999	5.0	95	50	Yes		SPGP
1SPVM	INVESCO EXCHANGE TRADED FD TS&P	SPVM	999	5.0	95	50	Yes		SPVM
1PRF	INVESCO FTSE RAFI US 1000 ET	PRF	999	5.0	95	50	Yes		PRF
1ERTH	INVESCO MSCI SUSTAINABLE FUTURE	ERTH	999	5.0	95	50	Yes		ERTH
1QQQJ	INVESCO NASDAQ NEXT GEN 100 ETF	QQQJ	999	5.0	95	95	Yes		QQQJ
1KNCT	INVESCO NEXT GEN CONNECTIVITY ETF	KNCT	999	5.0	95	95	Yes		KNCT
1GGME	INVESCO NEXT GEN MEDIA AND GAMING ETF	GGME	999	5.0	95	95	Yes		GGME
1RWK	INVESCO S&P MIDCAP 400 REVENUE ETF	RWK	999	7.5	95	50	Yes		RWK
1PSCI	INVESCO S&P SMALLCAP INDUSTRIALS ETF	PSCI	999	7.5	95	95	Yes		PSCI
1PSCM	INVESCO S&P SMALLCAP MATERIALS ETF	PSCM	999	7.5	95	95	Yes		PSCM
1XSHQ	INVESCO S&P SMALLCAP QUALITY ETF	XSHQ	999	7.5	95	95	Yes		XSHQ
1XSVM	INVESCO S&P SMALLCAP VALUE WITH MOMENTUM ETF	XSVM	999	7.5	95	50	Yes		XSVM
1RWJ	INVESCO S&P SMALLCAP 600	RWJ	999	7.5	95	50	Yes		RWJ
1RZV	INVESCO S&P SMALLCAP 600 PURE VALUE ETF	RZV	999	7.5	95	50	Yes		RZV



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1EQWL	INVESCO S&P 100 EQUAL WEIGHT ETF	EQWL	999	5.0	95	50	Yes		EQWL
1RSPC	INVESCO S&P 500 EQUAL WEIGHT COMMUNICATIONS	RSPC	999	5.0	95	95	Yes		RSPC
1RSPD	INVESCO S&P 500 EQUAL WEIGHT CONSUMER DISCRET	RSPD	999	5.0	95	95	Yes		RSPD
1RSPS	INVESCO S&P 500 EQUAL WEIGHT CONSUMER STAPLES	RSPS	999	5.0	95	95	Yes		RSPS
1RSPG	INVESCO S&P 500 EQUAL WEIGHT ENERGY ETF	RSPG	999	5.0	95	95	Yes		RSPG
1RSPH	INVESCO S&P 500 EQUAL WEIGHT HEALTH CARE	RSPH	999	5.0	95	95	Yes		RSPH
1RSPN	INVESCO S&P 500 EQUAL WEIGHT INDUSTRIALS	RSPN	999	5.0	95	95	Yes		RSPN
1RSPM	INVESCO S&P 500 EQUAL WEIGHT MATERIALS	RSPM	999	5.0	95	95	Yes		RSPM
10509	INVESCO S&P 500 EQUAL WEIGHT TECHNOLOGY ETF	00509	76	5.0	95	95	Yes		RSPT
10515	INVESCO S&P 500 EQUAL WEIGHT UTILITIES	00515	57	5.0	95	95	Yes		RSPU
1SPMV	INVESCO S&P 500 MINIMUM VARIANCE ETF	SPMV	999	5.0	95	50	Yes		SPMV
1XMMO	INVESCO SP MIDCAP MOMENTUM ETF	XMMO	999	7.5	95	50	Yes		XMMO
1XMVM	INVESCO SP MIDCAP VALUE WITH MOMENTUM ETF	XMVM	999	7.5	95	50	Yes		XMVM
1XSMO	INVESCO SP SMALLCAP MOMENTUM ETF	XSMO	999	7.5	95	50	Yes		XSMO
1GSY	INVESCO ULTRA SHORT DURATION ETF	GSY	999	5.0	95	50	Yes		GSY
1NXTE	INVESTMENT MANAGERS SER TR IAXS GREEN ALPHA	NXTE	999	5.0	95	95	Yes		NXTE
1CPII	IONIC INFLATION PROTECTION ETF	CPII	999	5.0	95	95	Yes		CPII
10602	IQ CANDRIAM U.S. LARGE CAP EQUITY INDEX-TOTAL RETU	00602	9	5.0	95	95	No		IQSU
10088	IQ CANDRIAM U.S. MID CAP EQUITY INDEX-TOTAL RETURN	00088	47	7.5	95	50	No		IQSM
1LRND	IQ U.S. LARGE CAP R&D LEADERS ET	LRND	999	5.0	95	95	Yes		LRND
1ROOF	IQ US REAL ESTATE SMALL CAP ETF	ROOF	999	7.5	95	95	No		ROOF
1CEMB	IShares Emerging Markets Corporate Bond Fund ETF	CEMB	999	7.5	95	95	Yes		CEMB
1FIW	ISE CLEAN EDGE WATER INDEX	FIW	999	5.0	95	95	Yes		FIW
1HACK	ISE CYBER SECURITY INDEX	HACK	999	7.5	95	95	Yes		HACK

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1IPAY	ISE MOBILE PAYMENTS INDEX	IPAY	999	5.0	95	95	Yes		IPAY
1SILJ	ISE SMALL CAP MINERS EXPLORERS INDEX	SILJ	999	7.5	95	95	Yes		SILJ
10100	ISE-REVERE NATURAL GAS INDX	00100	16	5.0	95	95	Yes		FCG
1AOA	ISHARES AGGRESSIVE ALLOCATION ETF	AOA	999	5.0	95	50	Yes		AOA
1EWA	ISHARES AUSTRALIA INDEX ETF	EWA	999	5.0	95	50	Yes		EWA
1EWO	ISHARES AUSTRIA INDEX ETF	EWO	999	5.0	95	50	No		EWO
1AGZ	ISHARES BARCLAYS AGENCY BOND	AGZ	999	5.0	95	95	Yes		AGZ
10365	ISHARES CALIFORNIA MUNI BOND ETF	00365	165	5.0	95	95	Yes		CMF
1CMBS	ISHARES CMBS ETF	CMBS	999	5.0	95	95	Yes		CMBS
10068	ISHARES COHEN & STEERS REALTY	00068	68	5.0	95	95	Yes		ICF
1AOK	ISHARES CONSERVATIVE ALLOCATION	AOK	999	5.0	95	50	No		AOK
1ICVT	ISHARES CONVERTIBLE BOND ETF	ICVT	999	5.0	95	50	Yes		ICVT
1IAGG	ISHARES CORE INTERNATIONAL AGGREGATE BOND ETF	IAGG	999	5.0	95	95	Yes		IAGG
10377	ISHARES CORE U.S. TREASURY BOND ETF	00377	177	5.0	95	95	Yes		GOVT
1DVY	ISHARES DJ SELECT DIVIDEND	DVY	999	5.0	95	50	Yes		DVY
10519	ISHARES DJ TRANSPORTATION IDX	00519	85	5.0	95	95	Yes		FTXR
1ITA	ISHARES DJ U.S. AEROSPACE & DE	ITA	999	5.0	95	95	Yes		ITA, DFEN
1IAI	ISHARES DJ U.S. BROKER DEALERS	IAI	999	5.0	95	95	Yes		IAI
1IAK	ISHARES DJ U.S. INS. INDEX FUN	IAK	999	5.0	95	95	Yes		IAK
1IAT	ISHARES DJ U.S. REGIONAL BNKS	IAT	999	5.0	95	95	Yes		IAT
1IYM	ISHARES DJ US BASIC MATERIALS	IYM	999	5.0	95	95	Yes		IYM, SMN, UYM, SBM
1IHF	ISHARES DJ US HEALTHCARE PROVIDE	IHF	999	5.0	95	95	Yes		IHF
1DVYE	ISHARES EMERGING MARKETS DIVIDEND ETF	DVYE	999	5.0	95	50	Yes		DVYE
1LEMB	ISHARES EMERGING MARKETS LOCAL CURRENCY BOND	LEMB	999	5.0	95	50	Yes		LEMB

## Valid Basket Codes for RBH and CPM

Valid Basket Codes for RBH and CPM							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
10546	ISHARES ESG AWARE MSCI EAFE ETF	00546	522	5.0	95	50	Yes		ESGD
1STLG	ISHARES FACTORS US GROWTH STYLE	STLG	999	5.0	95	95	No		GARP
1STLV	ISHARES FACTORS US VALUE STYLE E	STLV	999	5.0	95	50	No		STLV
1FLOT	ISHARES FLOATING RATE BOND ETF	FLOT	999	5.0	95	95	Yes		FLOT, FLRN
1EWQ	ISHARES FRANCE INDEX ETF	EWQ	999	5.0	95	50	Yes		EWQ
1IFGL	ISHARES FTSE EPRA/NAREIT GLBL RE	IFGL	999	5.0	95	95	Yes		IFGL
1USRT	ISHARES FTSE NAREIT REAL ESTATE	USRT	999	5.0	95	95	Yes		USRT
1EWG	ISHARES GERMANY INDEX ETF	EWG	999	5.0	95	50	Yes		EWG
1ICLN	ISHARES GLOBAL CLEAN ENERGY ETF	ICLN	999	7.5	95	95	Yes		ICLN, KLNE
1KXI	ISHARES GLOBAL CONSUMER STAPLES	KXI	999	5.0	95	95	Yes		KXI
1IGF	ISHARES GLOBAL INFRASTRUCTURE	IGF	999	5.0	95	95	Yes		IGF
1IXP	ISHARES GLOBAL TELECOM ETF	IXP	999	5.0	95	95	Yes		IXP
1GBF	ISHARES GOVERNMENT/CREDIT BOND ETF	GBF	999	5.0	95	95	No		GBF
1AOR	ISHARES GROWTH ALLOCATION ETF	AOR	999	5.0	95	50	Yes		AOR
1IGE	ISHARES GSSI NATURAL RESOURCES	IGE	999	5.0	95	95	Yes		IGE
1HDV	ISHARES HIGH DIVIDEND EQUITY FUN	HDV	999	5.0	95	95	Yes		HDV
1EWH	ISHARES HONG KONG INDEX ETF	EWH	999	5.0	95	50	Yes		EWH
1ESGE	ISHARES INCMSCI EM ESG SE	ESGE	999	5.0	95	50	Yes		ESGE
1INDY	ISHARES INDIA 50 ETF	INDY	999	5.0	95	50	Yes		INDY
1GVI	ISHARES INTERMEDIATE GOVERNMENT/CREDIT BOND ETF	GVI	999	5.0	95	95	Yes		GVI
1IGRO	ISHARES INTERNATIONAL DIVIDEND GROWTH ETF	IGRO	999	5.0	95	50	Yes		IGRO
1IGOV	ISHARES INTERNATIONAL TREASURY BOND ETF	IGOV	999	5.0	95	95	Yes		IGOV
1EWI	ISHARES ITALY INDEX ETF	EWI	999	5.0	95	50	Yes		EWI
1EMB	ISHARES JPMORGAN EMRG MRKT BOND	EMB	999	5.0	95	95	Yes		EMB

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1IGLB	ISHARES LONG TERM CORP BOND	IGLB	999	5.0	95	95	Yes		IGLB
1EWM	ISHARES MALAYSIA INDEX ETF	EWM	999	5.0	95	50	Yes		EWM
1AOM	ISHARES MODERATE ALLOCATION ETF	AOM	999	5.0	95	50	Yes		AOM
1ILCG	ISHARES MORNINGSTAR GROWTH INDEX	ILCG	999	5.0	95	50	Yes		ILCG
1IMCV	ISHARES MORNINGSTAR MID CAP VALUE	IMCV	999	7.5	95	50	No		IMCV
1IMCG	ISHARES MORNINGSTAR MID GROWTH	IMCG	999	7.5	95	50	Yes		IMCG
1IMCB	ISHARES MORNINGSTAR MID-CAP INDEX	IMCB	999	7.5	95	50	No		IMCB, BKMC
1ISCG	ISHARES MORNINGSTAR SMALL CAP GROWTH	ISCG	999	7.5	95	50	No		ISCG
1ISCV	ISHARES MORNINGSTAR SMALLCAP VALUE	ISCV	999	7.5	95	50	No		ISCV
1ILCB	ISHARES MORNINGSTAR U.S. EQUITY	ILCB	999	5.0	95	50	Yes		ILCB
1ILCV	ISHARES MORNINGSTAR VALUE ETF	ILCV	999	5.0	95	50	No		ILCV
1ACWV	ISHARES MSCI ALL CNTRY WRLD MIN VOLATILITY	ACWV	999	5.0	95	50	Yes		ACWV
1AAXJ	ISHARES MSCI ALL COUNTRY ASIA EX	AAXJ	999	5.0	95	50	Yes		AAXJ
1EPU	ISHARES MSCI ALL PERU CAPPED IND	EPU	999	5.0	95	95	No		EPU
1EWK	ISHARES MSCI BELGIUM CAPPED ETF	EWK	999	5.0	95	50	Yes		EWK
1EWZS	ISHARES MSCI BRAZIL SMALL-CAP ET	EWZS	999	7.5	95	50	Yes		EWZS
1BKF	ISHARES MSCI BRIC FUND	BKF	999	5.0	95	50	Yes		BKF
1ECH	ISHARES MSCI CHILE INDEX FUND	ECH	999	5.0	95	95	Yes		ECH
1TCHI	ISHARES MSCI CHINA MULTISECTOR T	TCHI	999	5.0	95	95	Yes		TCHI
1ECNS	ISHARES MSCI CHINA SMALL-CAP ETF	ECNS	999	7.5	95	50	Yes		ECNS
10123	ISHARES MSCI EAFE SMALL CAP INDEX FUND	00123	522	7.5	95	50	Yes		SCZ
1EEMA	ISHARES MSCI EMERGING MARKETS AS	EEMA	999	5.0	95	50	No		EEMA
1EMGF	ISHARES MSCI EMERGING MARKETS MULTIFACTOR ETF	EMGF	999	5.0	95	50	Yes		EMGF
1EEMS	ISHARES MSCI EMERGING MARKETS SM	EEMS	999	7.5	95	50	Yes		EEMS

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1IEUS	ISHARES MSCI EUROPE SMALLCAP ETF	IEUS	999	7.5	95	50	No		IEUS
1FM	ISHARES MSCI FRONTIER 100 ETF	FM	999	7.5	95	95	Yes		FM
1VEGI	ISHARES MSCI GLOBAL AGRICULTURE	VEGI	999	5.0	95	95	Yes		VEGI
1FILL	ISHARES MSCI GLOBAL ENERGY PRODU	FILL	999	5.0	95	95	Yes		FILL
1RING	ISHARES MSCI GLOBAL GOLD MINERS ETF	RING	999	5.0	95	95	Yes		RING
1PICK	ISHARES MSCI GLOBAL METALS & MINING PRODUCERS ETF	PICK	999	5.0	95	95	Yes		PICK
1SLVP	ISHARES MSCI GLOBAL SILVER MINER	SLVP	999	7.5	95	95	Yes		SLVP
1EIDO	ISHARES MSCI INDONESIA ETF	EIDO	999	5.0	95	95	Yes		EIDO
10548	ISHARES MSCI INTL QUALITY FACTOR ETF	00548	522	5.0	95	50	Yes		IQLT
1SCJ	ISHARES MSCI JAPAN SMALL CAP IND	SCJ	999	7.5	95	95	Yes		SCJ
1DSI	ISHARES MSCI KLD 400 SOCIAL ETF	DSI	999	5.0	95	50	Yes		DSI
1TOK	ISHARES MSCI KOKUSAI INDEX FUND	TOK	999	5.0	95	95	No		TOK
1EWN	ISHARES MSCI NETHERLANDS ETF	EWN	999	5.0	95	50	Yes		EWN
1EPHE	ISHARES MSCI PHILIPPINES ETF	EPHE	999	5.0	95	95	No		EPHE
1EPOL	ISHARES MSCI POLAND CAPPED ETF	EPOL	999	7.5	95	95	No		EPOL
1EWL	ISHARES MSCI SWITZERLAND INDEX	EWL	999	5.0	95	50	Yes		EWL
1THD	ISHARES MSCI THAILAND CAPPED IND	THD	999	5.0	95	95	Yes		THD
1TUR	ISHARES MSCI TURKEY INDEX FUND	TUR	999	5.0	95	95	Yes		TUR
1EUSA	ISHARES MSCI USA INDEX	EUSA	999	5.0	95	50	Yes		EUSA
1QUAL	ISHARES MSCI USA QUALITY FACTOR ETF	QUAL	999	5.0	95	95	Yes		QUAL
1EFV	ISHARES MSCI VALUE INDEX FUND	EFV	999	5.0	95	50	Yes		EFV
1CNYA	ISHARES NSCI CHINA A	CNYA	999	5.0	95	50	Yes		CNYA
1REZ	ISHARES RESIDENTIAL REIT CAPPED	REZ	999	5.0	95	95	Yes		REZ
1IWL	ISHARES RUSSELL TOP 200	IWL	999	5.0	95	50	Yes		IWL

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1IWY	ISHARES RUSSELL TOP 200 GROWTH ETF	IWY	999	5.0	95	50	Yes		IWY
1IWX	ISHARES RUSSELL TOP 200 VALU IND	IWX	999	5.0	95	50	Yes		IWX
1RXI	ISHARES S & P GLOBAL CONSUMER	RXI	999	5.0	95	95	Yes		RXI
1MXI	ISHARES S & P GLOBAL MATERIALS	MXI	999	5.0	95	95	Yes		MXI
1AIA	ISHARES S&P ASIA 50 INDEX FUND	AIA	999	5.0	95	95	Yes		AIA
1EMIF	ISHARES S&P EMERGING MARKETS INF	EMIF	999	5.0	95	95	No		EMIF
1IXC	ISHARES S&P GLOBAL ENERGY SECTOR	IXC	999	5.0	95	95	Yes		IXC
1IXJ	ISHARES S&P GLOBAL HEALTHCARE	IXJ	999	5.0	95	95	Yes		IXJ
1EXI	ISHARES S&P GLOBAL INDUSTRIALS	EXI	999	5.0	95	95	Yes		EXI
1IXN	ISHARES S&P GLOBAL TECHNOLOGY	IXN	999	5.0	95	95	Yes		IXN
1IOO	ISHARES S&P GLOBAL 100 INDEX FND	IOO	999	5.0	95	50	Yes		IOO
1IJJ	ISHARES S&P MIDCAP 400 VALUE	IJJ	999	7.5	95	50	Yes		IJJ
1IGN	ISHARES S&P MULTIMEDIA INDX FUND	IGN	999	5.0	95	95	Yes		IDGT
1IGM	ISHARES S&P N AMER TECHNOLOGY	IGM	999	5.0	95	95	Yes		IGM
1IGV	ISHARES S&P TECHNOLOGY-SOFTWARE	IGV	999	5.0	95	95	Yes		IGV
1PFF	ISHARES S&P U.S. PREFERRED STOCK	PFF	999	5.0	95	95	Yes		PFF
1IGSB	ISHARES SHORT TERM CORP BOND	IGSB	999	5.0	95	95	Yes		IGSB
1EWS	ISHARES SINGAPORE INDEX ETF	EWS	999	5.0	95	50	Yes		EWS
1EZA	ISHARES SOUTH AFRICA INDEX ETF	EZA	999	5.0	95	50	Yes		EZA
1EWP	ISHARES SPAIN INDEX ETF	EWP	999	5.0	95	50	Yes		EWP
1EWD	ISHARES SWEDEN INDEX ETF	EWD	999	5.0	95	50	Yes		EWD
1EWT	ISHARES TAIWAN INDEX ETF	EWT	999	5.0	95	50	Yes		EWT
1IBLC	ISHARES TRBLOCKCHAIN & TEC	IBLC	999	5.0	95	95	Yes		IBLC
1IDAT	ISHARES TRCLOUD 5G AND TEC	IDAT	999	5.0	95	95	Yes		IDAT

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1DGRO	ISHARES TRCORE DIV GRWTH	DGRO	999	5.0	95	50	Yes		DGRO
1IPAC	ISHARES TRCORE MSCI PAC	IPAC	999	5.0	95	50	Yes		IPAC
1ISTB	ISHARES TRCORE STRM USBD	ISTB	999	5.0	95	95	Yes		ISTB
1IVLU	ISHARES TRDEV VAL FACTOR	IVLU	999	5.0	95	50	Yes		IVLU
10362	ISHARES TREASURY FLOATING RATE BOND ETF	00362	162	5.0	95	95	Yes		TFLO
1LDEM	ISHARES TRESG MSCI EMI	LDEM	999	5.0	95	50	Yes		LDEM
1SUSL	ISHARES TRESG MSCI LEADR	SUSL	999	5.0	95	50	Yes		SUSL
1USFX	ISHARES TRESG MSCI USA ETF	USXF	999	5.0	95	95	Yes		USXF
1SUSB	ISHARES TRESG 1 5 YR USD	SUSB	999	5.0	95	95	Yes		SUSB
1ESGU	ISHARES TRETf MSCI USA	ESGU	999	5.0	95	50	Yes		ESGU
1XT	ISHARES TREXPONEN TECHNO	XT	999	5.0	95	95	Yes		XT
1FALN	ISHARES TRFALN ANGLS USD	FALN	999	7.5	95	50	Yes		FALN
1INTF	ISHARES TRFCTSL MSCI INT	INTF	999	5.0	95	50	Yes		INTF
1LRGF	ISHARES TRFCTSLC MSCI US	LRGF	999	5.0	95	50	Yes		LRGF
1FOVL	ISHARES TRFOCUSD VAL FAC	FOVL	999	5.0	95	95	No		FOVL
1IVRS	ISHARES TRFUTURE METAVERSE	IVRS	999	5.0	95	95	Yes		IVRS
1REET	ISHARES TRGLOBAL REIT ETF	REET	999	5.0	95	95	Yes		REET
1HEWG	ISHARES TRHDG MSCI GERMN	HEWG	999	5.0	95	50	No		HEWG
1IMTM	ISHARES TRINT DEV MOM FC	IMTM	999	5.0	95	50	Yes		IMTM
1KSA	ISHARES TRMSCI SAUDI ARA	KSA	999	5.0	95	95	Yes		KSA
1SUSA	ISHARES TRMSCI USA ESG SLC	SUSA	999	5.0	95	50	Yes		SUSA
1SMLF	ISHARES TRMSCI USA SMLCP	SMLF	999	7.5	95	50	Yes		SMLF
1SIZE	ISHARES TRMSCI USASZEFCT	SIZE	999	5.0	95	50	Yes		SIZE
1VLUE	ISHARES TRMSCI USAVALFCT	VLUE	999	5.0	95	50	Yes		VLUE



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1IBRN	ISHARES TRNEUROSCIENCE AND	IBRN	999	7.5	95	95	Yes		IBRN
1IDRV	ISHARES TRSELF DRIVNG EV	IDRV	999	5.0	95	95	Yes		IDRV
1TECB	ISHARES TRUS TECH BRKTHR	TECB	999	5.0	95	95	Yes		TECB
1IWFH	ISHARES TRVIRTUAL WRK LIFE	IWFH	999	5.0	95	95	Yes		IWFH
10384	ISHARES TR0-5YR HI YL CP	00384	172	5.0	95	50	Yes		SHYG
1DIVB	ISHARES U.S. DIVIDEND & BUYBACK ETF	DIVB	999	5.0	95	50	Yes		DIVB
1IHI	ISHARES U.S. MEDICAL DEVICES ETF	IHI	999	5.0	95	95	Yes		IHI
1EWU	ISHARES UNITED KINGDOM INDEX	EWU	999	5.0	95	50	Yes		EWU
10184	ISHARES 0-3 MONTH TREASURY BOND	00184	184	5.0	95	95	No		SGOV
10353	ISHARES 0-5 YR TIPS BOND FND	00353	153	5.0	95	95	Yes		STIP, VTIP
1JPIN	J P MORGAN EXCHANGE TRADED FDIV RTN INT EQ	JPIN	999	5.0	95	50	Yes		JPIN
1JPUS	J P MORGAN EXCHANGE TRADED FJPMORGAN DIVER	JPUS	999	5.0	95	50	Yes		JPUS
1JEPQ	J P MORGAN EXCHANGE TRADED FNASDAQ EQT PREM	JEPQ	999	5.0	95	95	Yes		JEPQ
1JQUA	J P MORGAN EXCHANGE TRADED FUS QUALTY FCTR	JQUA	999	5.0	95	50	Yes		JQUA
1JVAL	J P MORGAN EXCHANGE TRADED FUS VALUE FACTR	JVAL	999	5.0	95	50	Yes		JVAL
1BBMC	J P MORGAN EXCHANGE-TRADED FBETABUILDERS US	BBMC	999	5.0	95	50	Yes		BBMC
1JAAA	JANUS DETROIT STR TRHENDRSON AAA CL	JAAA	999	5.0	95	50	Yes		JAAA
1VNLA	JANUS DETROIT STR TRSHORT DUR ETF	VNLA	999	5.0	95	95	Yes		VNLA
1JSMD	JANUS DETROIT STR TRSML MID CP ETF	JSMD	999	7.5	95	50	No		JSMD
1JHML	JOHN HANCOCK EXCHANGE TRADEDMULTIFACTOR LA	JHML	999	5.0	95	50	Yes		JHML
1JHMM	JOHN HANCOCK EXCHANGE TRADEDMULTIFACTOR MI	JHMM	999	5.0	95	50	Yes		JHMM
1JHSC	JOHN HANCOCK EXCHANGE TRADEDMULTIFACTR SML	JHSC	999	7.5	95	50	No		JHSC
1AMJ	JP MORGAN ALERIAN MLP INDEX ETN	AMJ	999	5.0	95	95	No		AMJ
1BBRE	JPMorgan Beta Builders MSCI U.S. Reti ETF	BBRE	999	5.0	95	50	No		BBRE

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1BBUS	JPMorgan BetaBuilders U.S. Equity ETF	BBUS	999	5.0	95	50	Yes		BBUS
1JAVA	JPMORGAN ACTIVE VALUE	JAVA	999	5.0	95	50	No		JAVA
1BBAX	JPMORGAN BETABUILDERS DEVELOPED ASIA EX-JAPAN ETF	BBAX	999	5.0	95	95	Yes		BBAX
10545	JPMORGAN BETABUILDERS INTERNATIONAL EQUITY ETF	00545	522	5.0	95	50	Yes		BBIN
1JIRE	JPMORGAN ETFS IRELAND ICAVULTRA SHORT IN	JIRE	999	5.0	95	50	Yes		JIRE
10355	JPMORGAN ULTRA-SHORT MUNICIPAL INCOME ETF	00355	155	5.0	95	95	Yes		JMST
1BKX	KBW NASDAQ BANK INDEX	BKX	999	5.0	95	95	Yes		KBWB
10157	KBW REGIONAL BANKING INDX	00157	158	5.0	95	95	Yes		KBWR
1RUNN	KELLY STRATEGIC ETF TRUSTRUNNING GWTH ETF	RUNN	999	5.0	95	95	Yes		RUNN
1KFVG	KRANESHARES TRCICC CHIN 5G SEM	KFVG	999	5.0	95	95	No		KFVG
1KFYP	KRANESHARES TRCSI CHI FIVE YR	KFYP	999	5.0	95	50	No		
1KMED	KRANESHARES TREMERGING MKTS	KMED	999	5.0	95	95	No		
1KEMQ	KRANESHARES TREMRNG MKT CONS	KEMQ	999	5.0	95	95	Yes		KEMQ
1KTEC	KRANESHARES TRHANG SENG TECH	KTEC	999	5.0	95	95	Yes		KTEC
1KVLE	KRANESHARES TRKFA VAL LIN DYNM	KVLE	999	5.0	95	50	Yes		KVLE
1KEM	KRANESHARES TRKRANESHARES DYNA	KEM	999	5.0	95	95	Yes		KEM
1KSEA	KRANESHARES TRKRANESHARES ROCK	KSEA	999	5.0	95	50	Yes		KSEA
1KURE	KRANESHARES TRMSCI ALL CHINA	KURE	999	5.0	95	95	Yes		KURE
1KGRN	KRANESHARES TRMSCI CHINA ENV	KGRN	999	7.5	95	95	Yes		KGRN
1OBOR	KRANESHARES TRMSCI ONE BELT	OBOR	999	5.0	95	95	Yes		OBOR
1KSTR	KRANESHARES TRSSE STAR MRKT 50	KSTR	999	7.5	95	95	Yes		KSTR
1RODM	LATTICE STRATEGIES TRDEV MK X US ST	RODM	999	5.0	95	50	Yes		RODM
1ROAM	LATTICE STRATEGIES TREM STRATEGIES	ROAM	999	5.0	95	95	No		ROAM
1LVHD	LEGG MASON ETF EQUITY TRLOW DIVI ETF	LVHD	999	5.0	95	50	Yes		LVHD

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10348	LEHMAN 10-20 YR TREASURY BND IND	00348	148	5.0	95	95	Yes		TLH
1INFL	LISTED FD TRHORIZON KINETICS	INFL	999	5.0	95	95	Yes		INFL
1BIGB	LISTED FD TRROUNDHILL BIG BK	BIGB	999	5.0	95	95	No		BIGB
1LUXX	LISTED FD TRROUNDHILL S&P GL	LUXX	999	5.0	95	95	Yes		LUXX
1SPRX	LISTED FD TRSPEAR ALPHA ETF	SPRX	999	5.0	95	95	Yes		SPRX
1LRNZ	LISTED FD TRTRUEMARK TECH AI	LRNZ	999	5.0	95	95	Yes		LRNZ
1DIVZ	LISTED FD TRTRUESHARES LW VO	DIVZ	999	5.0	95	50	No		DIVZ
1HLAL	LISTED FD TRWAHED FTSE ETF	HLAL	999	5.0	95	50	No		HLAL
1BIZD	MARKET VECTORS BDC INCOME ETF	BIZD	999	7.5	95	95	Yes		BIZD
1BBH	MARKET VECTORS BIOTECH ETF	BBH	999	5.0	95	95	Yes		BBH
1BRF	MARKET VECTORS BRAZIL SMALL CAP	BRF	999	7.5	95	95	Yes		BRF
1EVX	MARKET VECTORS ENVIRONMENTAL	EVX	999	5.0	95	95	Yes		EVX
1ISRA	MARKET VECTORS ETF TRISRAEL ETF	ISRA	999	7.5	95	50	Yes		ISRA
1CRAK	MARKET VECTORS ETF TROIL REFINERS CRAK	CRAK	999	5.0	95	95	Yes		CRAK
1BJK	MARKET VECTORS GAMING ETF	BJK	999	5.0	95	95	Yes		BJK
10338	MARKET VECTORS INTERMEDIATE MUNICIPAL INDEX ETF	00338	138	5.0	95	95	Yes		ITM
1IHY	MARKET VECTORS INTERNATIONAL HIGH YIELD BOND ETF	IHY	999	5.0	95	50	Yes		IHY
1GDXJ	MARKET VECTORS JUNIOR GOLD MINER	GDXJ	999	5.0	95	95	Yes		GDXJ, JDST, JNUG
1MOAT	MARKET VECTORS MORNINGSTAR WIDE MOAT ETF	MOAT	999	5.0	95	50	Yes		MOAT
1HAP	MARKET VECTORS NATURAL RESOURCES ETF	HAP	999	5.0	95	95	Yes		HAP
1NLR	MARKET VECTORS NUCLEAR ENERGY	NLR	999	5.0	95	95	Yes		NLR
10105	MARKET VECTORS OIL SERVICES ETF	00105	15	5.0	95	95	Yes		OIH
1REMX	MARKET VECTORS RARE EARTH/STRATE	REMX	999	5.0	95	95	Yes		REMX
1RSX	MARKET VECTORS RUSSIA INDEX	RSX	999	5.0	95	95	No		RSX

## Valid Basket Codes for RBH and CPM

							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
1SLX	MARKET VECTORS STEEL ETF	SLX	999	5.0	95	95	Yes		SLX
1MOO	MARKET VECTORS-AGRIBUSINESS ETF	MOO	999	5.0	95	95	Yes		MOO
10360	MARKET VECTRS HIGH YLD MUNICIPAL	00360	160	5.0	95	95	Yes		HYD
1FLTR	MARKET VECTRS INVSTMNT GRD FLTNG	FLTR	999	5.0	95	95	No		FLTR
1LQIG	MARKETAXESS US INVESTMENT GRADE 400 CORP BOND INDX	LQIG	999	5.0	95	50	Yes		LQIG
1SLQD	MARKIT IBOX USD LIQUID INVESTMENT GRADE 0-5 INDEX	SLQD	999	5.0	95	95	Yes		SLQD
1PP	MEET KEVIN PRICING POWER ETF	PP	999	5.0	95	95	Yes		PP
1STGF	MERK STAGFLATION ETF	STGF	999	5.0	95	95	No		
10033	MICROSECTORS GOLD MINERS TOTAL RETURN INDEX	00033	12	5.0	95	95	No		GDXU, GDXD
1QMOM	MOMENTUMSHARES US QUANTITATIVE MOMEMENTUM ETF	QMOM	999	5.0	95	95	Yes		QMOM
1CAF	MORGAN STANLEY CHINA A SHARE FUN	CAF	999	5.0	95	95	No		
1CVMC	MORGAN STANLEY ETF TRUSTCALVERT US MDCP	CVMC	999	5.0	95	50	Yes		CVMC
1CVSE	MORGAN STANLEY ETF TRUSTCALVERT US SEL	CVSE	999	5.0	95	50	Yes		CVSE
10074	MORNINGSTAR DEVELOPED EUROPE TARGET MARKET EXPOSUR	00074	42	5.0	95	50	Yes		BBEU
1EMHY	MORNINGSTAR EMERGING MARKETS HIGH YIELD BOND INDEX	EMHY	999	5.0	95	50	No		EMHY
1GUNR	MORNINGSTAR GLOBAL UPSTREAM NATURAL RESOURCES INDX	GUNR	999	5.0	95	95	Yes		GUNR
10059	MORNINGSTAR JAPAN TARGET MARKET EXPOSURE INDEXSM	00059	59	5.0	95	50	Yes		BBJP
1DURA	MORNINGSTAR US DIVIDEND VALUATION INDEX	DURA	999	5.0	95	50	Yes		DURA
1ISCB	MORNINGSTAR US SMALL CAP EXTENDED INDEX	ISCB	999	7.5	95	50	No		ISCB
1TMFC	MOTLEY FOOL 100 INDEX ETF	TMFC	999	5.0	95	95	Yes		TMFC
10536	MSCI ACWI EX USA IMI INDEX	00536	522	5.0	95	50	Yes		IXUS
10169	MSCI ACWI EX USA INDEX	00169	67	5.0	95	50	Yes		CWI, ACWX
10172	MSCI ACWI IMI INDEX	00172	67	5.0	95	50	Yes		SPGM
10175	MSCI ACWI LOW CARBON TARGET INDEX	00175	67	5.0	95	50	Yes		CRBN

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10165	MSCI ALL COUNTRY WORLD INDEX	00165	67	5.0	95	50	Yes	MMW	ACWI
1EIRL	MSCI ALL IRELAND CAPPED INDEX	EIRL	999	7.5	95	50	No		EIRL
1EWZ	MSCI BRAZIL INDEX	EWZ	999	5.0	95	50	Yes		EWZ, BZQ, UBR, BRZU
1EWC	MSCI CANADA INDEX	EWC	999	5.0	95	50	Yes		EWC
1KBA	MSCI CHINA A INTERNATIONAL INDEX	KBA	999	5.0	95	50	Yes		KBA
10181	MSCI CHINA ALLSHR NET TOTAL RETURN \$ INDEX	00181	81	5.0	95	50	Yes		KALL
10081	MSCI CHINA INDEX	00081	81	5.0	95	50	Yes		MCHI
10528	MSCI EAFE GROWTH INDEX	00528	522	5.0	95	50	Yes		EFG
10522	MSCI EAFE INDEX	00522	522	5.0	95	50	Yes	MFS	EFA, EFU, EFZ
10527	MSCI EAFE INVESTABLE MARKET INDEX	00527	522	5.0	95	50	Yes		IEFA
10534	MSCI EAFE INVESTABLE MARKET INDEX	00534	523	7.5	95	50	Yes		IEMG
10122	MSCI EAFE MINIMUM VOLATILITY INDEX	00122	522	5.0	95	50	Yes		EFAV
10205	MSCI EAFE 100% HEDGED TO USD INDEX	00205	90	5.0	95	50	Yes		DBEF, HEFA
1DBEM	MSCI EM US DOLLAR HEDGED NET INDEX	DBEM	999	5.0	95	50	Yes		DBEM
10543	MSCI EMERGING MARKETS EX CHINA INDEX	00543	523	5.0	95	50	Yes		EMXC, KEMX
10523	MSCI EMERGING MARKETS INDEX	00523	523	7.5	95	50	Yes	MME	EEM, EEV, EUM, EDZ, EDC, EET
10524	MSCI EMERGING MARKETS LATIN AMERICA	00524	524	7.5	95	50	No		
10538	MSCI EMERGING MARKETS MINIMUM VOLATILITY USD INDEX	00538	523	5.0	95	50	Yes		EEMV
10213	MSCI EMU IMI US DOLLAR HEDGED INDEX	00213	95	5.0	95	50	No		DBEZ
10211	MSCI EMU 100% USD HEDGED INDEX	00211	95	5.0	95	50	Yes		HEZU
1EUFN	MSCI EUROPE FINANCIALS INDEX	EUFN	999	5.0	95	95	Yes		EUFN
10063	MSCI EUROPE INVESTABLE MARKET INDEX	00063	42	5.0	95	50	Yes		IEUR
10210	MSCI EUROPE 100% HEDGED NET RETURN USD INDEX	00210	95	5.0	95	50	Yes		DBEU
10041	MSCI EUROPEAN MONETARY UNION INDEX	00041	42	5.0	95	50	Yes		EZU

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1EWGS	MSCI GERMANY SMALL CAP INDEX	EWGS	999	7.5	95	50	No		EWGS
1INDA	MSCI INDIA INDEX	INDA	999	5.0	95	50	Yes		INDL, INDA
10054	MSCI JAPAN INDEX	00054	59	5.0	95	50	Yes		EWJ, EWV, EZJ
1DBJP	MSCI JAPAN 100% TO USD INDEX	DBJP	999	5.0	95	50	Yes		DBJP, HEWJ
1EWY	MSCI KOREA 25/50 INDEX	EWY	999	5.0	95	95	Yes		EWY
1EWW	MSCI MEXICO INVESTABLE MRKT INDX	EWW	999	5.0	95	50	Yes		EWW
1ENZL	MSCI NEW ZEALAND IMI 25/50 INDEX	ENZL	999	7.5	95	95	Yes		ENZL
1EPP	MSCI PACIFIC EX-JAPAN	EPP	999	5.0	95	50	Yes		EPP
1VPL	MSCI PACIFIC INDEX	VPL	999	5.0	95	95	Yes		VPL
1EWUS	MSCI UNITED KINGDOM SMALL CAP INDEX	EWUS	999	7.5	95	50	Yes		EWUS
10506	MSCI US BROAD MARKET INDEX	00506	9	5.0	95	50	Yes		VTI
10117	MSCI US INVESTABLE MARKET INDEX	00117	15	5.0	95	95	Yes		VDE
10062	MSCI US INVESTABLE MARKET REAL ESTATE	00062	68	5.0	95	95	Yes		VNQ
10505	MSCI US INVESTABLE MARKET UTILITIES 25/50 INDEX	00505	57	5.0	95	95	Yes		VPU
1VOT	MSCI US MID CAP GROWTH INDEX	VOT	999	7.5	95	50	Yes		VOT
10603	MSCI USA CLIMATE ACTION RT GROSS USD INDEX	00603	10	5.0	95	50	No		USCA
1FMAT	MSCI USA IMI MATERIALS INDEX	FMAT	999	5.0	95	95	Yes		FMAT
1FREL	MSCI USA IMI REAL ESTATE INDEX	FREL	999	5.0	95	95	Yes		FREL
1USMV	MSCI USA MINIMUM VOLATITY INDEX	USMV	999	5.0	95	50	Yes		USMV, USML
1MTUM	MSCI USA MOMENTUM INDEX	MTUM	999	5.0	95	95	Yes		MTUM
10544	MSCI WORLD EX USA INVESTABLE MARKET INDEX	00544	522	5.0	95	95	Yes		IDEV
10067	MSCI WORLD INDEX	00067	67	5.0	95	50	Yes		URTH
10036	MVIS US LISTED PHARMACEUTICAL 25 INDEX	00036	37	5.0	95	95	Yes		PPH
10125	MVIS US LISTED SEMICONDUCTOR 25 INDEX	00125	104	5.0	95	95	Yes		SMH

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1VNM	MVIS VIETNAM INDEX	VNM	999	7.5	95	95	No		VNM
1NULC	Nuveen ESG Large-Cap ETF	NULC	999	5.0	95	50	No		NULC
1NULG	NuShares ESG Large-Cap Growth ETF	NULG	999	5.0	95	95	No		NULG
1NULV	NuShares ESG Large-Cap Value ETF	NULV	999	5.0	95	50	No		NULV
1NUMG	NuShares ESG Mid-Cap Growth ETF	NUMG	999	5.0	95	50	No		NUMG
1NUMV	NuShares ESG Mid-Cap Value ETF	NUMV	999	5.0	95	50	No		NUMV
1NUSC	NuShares ESG Small-Cap ETF	NUSC	999	7.5	95	50	Yes		NUSC
1NURE	NuShares Short-Term REIT ETF	NURE	999	5.0	95	95	No		NURE
1FDT	NASDAQ ALPHADEX DEV MARKETS EX US INDEX	FDT	999	7.5	95	50	Yes		FDT
1FJP	NASDAQ ALPHADEX JAPAN INDEX	FJP	999	5.0	95	50	Yes		FJP
1FAD	NASDAQ ALPHADEX MULTI CAP GROWTH INDEX	FAD	999	5.0	95	50	Yes		FAD
1FSZ	NASDAQ ALPHADEX SWITZERLAND INDEX	FSZ	999	5.0	95	50	Yes		FSZ
10044	NASDAQ BIOTECHNOLOGY INDEX	00044	36	5.0	95	95	Yes	BQ	BIS, BIB, IBBQ
1BSCO	NASDAQ BULLETSHARES USD CORPORATE BOND 2024 INDEX	BSCO	999	5.0	95	95	No		BSCO
1PKW	NASDAQ BUYBACK ACHIEVERS	PKW	999	5.0	95	95	Yes		PKW
1CIBR	NASDAQ CEA CYBERSECURITY INDEX	CIBR	999	5.0	95	95	Yes		CIBR
10011	NASDAQ COMPOSITE INDEX	00011	8	5.0	95	95	Yes	QN	ONEQ
1VIGI	NASDAQ INTERNATIONAL DIVIDEND ACHIEVERS SELECT IND	VIGI	999	5.0	95	50	Yes		VIGI
1MDIV	NASDAQ MULTI-ASSET DIVERSIFIED INDEX	MDIV	999	7.5	95	50	Yes		MDIV
1FTXO	NASDAQ SMART BANKS INDEX	FTXO	999	5.0	95	95	Yes		FTXO
1TDIV	NASDAQ TECHNOLOGY DIVIDEND INDEX	TDIV	999	5.0	95	50	Yes		TDIV
1PY	NASDAQ U.S. SHAREHOLDER YIELD INDEX	PY	999	5.0	95	50	No		PY
1RDVY	NASDAQ US RISING DIVIDEND ACHIEVERS INDEX	RDVY	999	5.0	95	95	Yes		RDVY
1FTXL	NASDAQ US SMART SEMICONDUCTOR INDEX	FTXL	999	5.0	95	95	Yes		FTXL



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10021	NASDAQ 100 EQUAL WEIGHTED INDEX	00021	8	5.0	95	95	Yes		QQEW, QQQE
10026	NASDAQ 100 EX TOP 30 INDEX	00026	8	5.0	95	95	Yes		QNXT
10022	NASDAQ 100 INDEX	00022	8	5.0	95	95	Yes	NQ, MNQ, AQR	QQQ, PSQ, QID, QLD, SQQQ, TQQQ, QQQM
10027	NASDAQ 100 TOP 30 INDEX	00027	8	5.0	95	95	Yes		QTOP
10393	NEOS ENHANCED INCOME AGGREGATE BOND ETF	00393	152	5.0	95	95	No		BNDI
10151	NIKKEI 400 INDEX	00151	59	5.0	95	50	No		JPXN
1QQH	NORTHERN LIGHTS FUND TRUST IHCM DEFND 100	QQH	999	5.0	95	95	Yes		QQH
1BIBL	NORTHERN LTS FD TR IVINSPIRE 100ETF	BIBL	999	5.0	95	50	Yes		BIBL
1GDVD	NORTHERN LTS FD TR IVR3 GBL DIVIDEND	GDVD	999	5.0	95	50	No		GDVD
1QDF	NORTHERN TRUST QUALITY DIVIDEND INDEX	QDF	999	5.0	95	50	Yes		QDF
1NUDV	NUVEEN ESG DIVIDEND ETF	NUDV	999	5.0	95	50	No		NUDV
10386	NUVEEN NEW YORK QUALITY MUNICIPAL INCOME FUND	00386	170	5.0	95	95	No		
10039	NYSE ARCA BIOTECHNOLOGY INDEX	00039	36	5.0	95	95	Yes		FBT
10032	NYSE ARCA GOLD MINERS INDEX	00032	12	5.0	95	95	Yes		GDX, DUST, NUGT
10025	NYSE FANG INDEX	00025	25	5.0	95	95	Yes	FNG	FNGD, FNGU, FNGO, FNGS
10342	NYSE 7-10 YR TREASURY BOND INDEX	00342	142	5.0	95	95	Yes		TYO, TYD
1OGIG	OSHARES GLOBAL INTERNET GIANTS ETF	OGIG	999	5.0	95	95	Yes		OGIG
1OUSH	OSI ETF TROSHARES FTSE	OUSH	999	7.5	95	50	Yes		OUSH
1PSFF	Pacer Swan SOS Fund of Funds ETF	PSFF	999	7.5	95	95	No		PSFF
1PTMC	Pacer Trendpilot 450 ETF	PTMC	999	7.5	95	50	No		PTMC
1PTLC	Pacer Trendpilot 750 ETF	PTLC	999	5.0	95	50	Yes		PTLC
1MAGA	Point Bridge Gop Stock Tracker ETF	MAGA	999	5.0	95	50	Yes		MAGA
1TMDV	ProShares Russell US Dividend Growers ETF	TMDV	999	5.0	95	50	Yes		TMDV
1TDV	ProShares S&P Technology Dividend Aristocrats ETF	TDV	999	5.0	95	95	Yes		TDV

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1ODDS	PACER FDS TRBLUESTAR DIG ENT	ODDS	999	5.0	95	95	Yes		ODDS
1INDS	PACER FDS TRBNCHMRK INDSTR	INDS	999	5.0	95	95	Yes		INDS
1HERD	PACER FDS TRCASH COWS ETF	HERD	999	5.0	95	95	No		HERD
1TRFK	PACER FDS TRDATA & DIGI REVO	TRFK	999	5.0	95	95	Yes		TRFK
1ECOW	PACER FDS TREMRG MKT CASH	ECOW	999	5.0	95	50	Yes		ECOW
1ALTL	PACER FDS TRLUNT LRG CP ALTR	ALTL	999	5.0	95	95	Yes		ALTL
1PALC	PACER FDS TRLUNT LRGCP MULTI	PALC	999	5.0	95	50	Yes		PALC
1PAMC	PACER FDS TRLUNT MDCAP MLT	PAMC	999	7.5	95	50	No		PAMC
1PTBD	PACER FDS TRTRENDPILOT US BD	PTBD	999	5.0	95	95	Yes		PTBD
1SRVR	PACER FUNDS TRUST BENCHMARK DAT	SRVR	999	5.0	95	95	Yes		SRVR
1PTNQ	PACER NASDAQ-100 TRENDPILOT ETF	PTNQ	999	5.0	95	95	Yes		PTNQ
1COWZ	PACER US CASH COWS 100 ETF	COWZ	999	5.0	95	50	Yes		COWZ
1CALF	PACER US SMALL CAP CASH COWS 100 ETF	CALF	999	7.5	95	95	Yes		CALF
1PULS	PGIM ETF TRULTRA SHORT	PULS	999	5.0	95	50	Yes		PULS
10020	PHLX GOLD & SILVER SECTOR	00020	12	5.0	95	95	Yes		
10030	PHLX HOUSING SECTOR INDEX	00030	30	5.0	95	95	Yes		
10031	PHLX OIL SERVICE INDEX	00031	15	5.0	95	95	Yes		
10076	PHLX SEMICONDUCTOR INDEX	00076	104	5.0	95	95	Yes	SOX	SOXQ
10057	PHLX UTILITY INDEX	00057	57	5.0	95	95	Yes		
1MINT	PIMCO ENHANCED SHORT MATURITY ETF	MINT	999	5.0	95	50	Yes		MINT
10369	PIMCO INTERMEDIATE MUNICIPAL BOND ETF	00369	169	5.0	95	95	Yes		MUNI
1CORP	PIMCO INVESTMENT GRADE CORP BOND	CORP	999	5.0	95	50	No		CORP
1BOND	PIMCO TOTAL RETURN	BOND	999	5.0	95	50	Yes		BOND
1SBIO	POLIWOOGG MEDICAL BREAKTHROUGHS INDEX	SBIO	999	7.5	95	95	Yes		SBIO

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1PSP	POWERSHARE LISTED PRIVATE EQUITY	PSP	999	7.5	95	95	Yes		PSP
1PPA	POWERSHARES AEROSPACE & DEFENSE	PPA	999	5.0	95	95	Yes		PPA
1PCEF	POWERSHARES CEF INCOME COMPOSITE	PCEF	999	5.0	95	95	Yes		PCEF
1PFM	POWERSHARES DIVIDEND ACHIEVERS	PFM	999	5.0	95	50	Yes		PFM
1PEZ	POWERSHARES DWA CONSUMER CYCLICALS	PEZ	999	5.0	95	95	Yes		PEZ
1PIZ	POWERSHARES DWA DVLPD MRKT TECH	PIZ	999	5.0	95	95	Yes		PIZ
1PIE	POWERSHARES DWA EMRG MRKT TECH	PIE	999	5.0	95	95	Yes		PIE
1PXI	POWERSHARES DWA ENERGY MOMENTUM PORTFOLIO	PXI	999	5.0	95	95	Yes		PXI
1PTH	POWERSHARES DWA HEALTHCARE MOMENTUM PORTFOLIO	PTH	999	5.0	95	95	Yes		PTH
1PRN	POWERSHARES DWA INDUSTRIALS MOMENTUM PORTFOLIO	PRN	999	5.0	95	95	Yes		PRN
1DWAS	POWERSHARES DWA SMALLCAP TECHNICAL LEADERS PORT.	DWAS	999	7.5	95	95	Yes		DWAS
1PDP	POWERSHARES DWA TECHNICAL LEAD	PDP	999	5.0	95	50	Yes		PDP
1PTF	POWERSHARES DWA TECHNOLOGY MOMENTUM PORTFOLIO	PTF	999	5.0	95	95	Yes		PTF
1PWV	POWERSHARES DYN LARGE CAP VALUE	PWV	999	5.0	95	50	Yes		PWV
1PYZ	POWERSHARES DYNAMIC BASIC MATERI	PYZ	999	5.0	95	95	Yes		PYZ
1PXE	POWERSHARES DYNAMIC ENERGY EXP	PXE	999	5.0	95	95	Yes		PXE
1PWB	POWERSHARES DYNAMIC LARGE CAP GR	PWB	999	5.0	95	95	Yes		PWB
1PEJ	POWERSHARES DYNAMIC LEISURE &	PEJ	999	5.0	95	95	Yes		PEJ
1PSI	POWERSHARES DYNAMIC SEMICONDUCTO	PSI	999	5.0	95	95	Yes		PSI
1PUI	POWERSHARES DYNAMIC UTILITIES PO	PUI	999	5.0	95	95	Yes		PUI
1PHO	POWERSHARES DYNAMIC WATER RESO	PHO	999	7.5	95	95	Yes		PHO
1PCY	POWERSHARES EMRG MRKT SOV DEBT	PCY	999	5.0	95	95	Yes		PCY
1XRLV	POWERSHARES ETF TR IIEX RTE SEN LOW	XRLV	999	5.0	95	50	Yes		XRLV
1IPKW	POWERSHARES ETF TR IIPWRS INT BUYBK	IPKW	999	7.5	95	50	Yes		IPKW

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1EQAL	POWERSHARES ETF TR II1000 EQ WHT PT	EQAL	999	5.0	95	50	Yes		EQAL
1SPMO	POWERSHARES ETF TRUST IIS&P500 MOMETUM	SPMO	999	5.0	95	50	Yes		SPMO
1SPVU	POWERSHARES ETF TRUST IISP500 VAL FACT	SPVU	999	5.0	95	95	Yes		SPVU
1PGF	POWERSHARES FINANCIAL PREFERRED	PGF	999	5.0	95	95	Yes		PGF
1PBJ	POWERSHARES FOOD & BEVERAGE	PBJ	999	5.0	95	95	Yes		PBJ
1PBD	POWERSHARES GLOBAL CLEAN ENERGY	PBD	999	5.0	95	95	Yes		PBD
1PIO	POWERSHARES GLOBAL WATER PORTFOL	PIO	999	5.0	95	95	Yes		PIO
1PGJ	POWERSHARES GOLDEN DRAGON HALT	PGJ	999	5.0	95	50	Yes		PGJ
10368	POWERSHARES INS NATL MUNI BND	00368	168	5.0	95	95	Yes		PZA
1PID	POWERSHARES INTERNATIONAL DIVI	PID	999	5.0	95	50	Yes		PID
1KBWD	POWERSHARES KBW HIGH DIVIDEND YI	KBWD	999	5.0	95	95	Yes		KBWD
1KBWP	POWERSHARES KBW PROPERTY & CASUA	KBWP	999	5.0	95	95	Yes		KBWP
1PNQI	POWERSHARES NASDAQ INTERNET PORT	PNQI	999	5.0	95	50	Yes		PNQI
1PGX	POWERSHARES PREFERRED PORTFOLIO	PGX	999	5.0	95	95	Yes		PGX
1KBWY	POWERSHARES PREMIUM YIELD EQUITY REIT PRTFLO	KBWY	999	7.5	95	95	Yes		KBWY
1EELV	POWERSHARES S&P EMERGING MARKETS LOW VOLATILITY	EELV	999	5.0	95	50	Yes		EELV
1SPHD	POWERSHARES S&P HIGH DIVIDEND PORTFOLIO	SPHD	999	5.0	95	50	Yes		SPHD
1PSCF	POWERSHARES S&P SMALLCAP FINANCIALS PORTFOLIO	PSCF	999	7.5	95	95	Yes		PSCF
1PSCH	POWERSHARES S&P SMALLCAP HEALTH	PSCH	999	7.5	95	95	Yes		PSCH
1PSCT	POWERSHARES S&P SMALLCAP INFORMATION TECHNOLOGY	PSCT	999	7.5	95	95	Yes		PSCT
1SPHQ	POWERSHARES S&P 500 HIGH QUALITY	SPHQ	999	5.0	95	50	Yes		SPHQ
1SPLV	POWERSHARES S&P 500 LOW VOLATILI	SPLV	999	5.0	95	50	Yes		SPLV
1BKLN	POWERSHARES SENIOR LOAN PORTFOLI	BKLN	999	5.0	95	95	Yes		BKLN
1PBW	POWERSHARES WILDERHILL CLEAN E	PBW	999	5.0	95	95	Yes		PBW

## Valid Basket Codes for RBH and CPM

Valid Basket Codes for RBH and CPM							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
10367	POWERSHARES 1-30 LADDERED TREAS.	00367	167	5.0	95	95	No		GOVI
1YLD	PRINCIPAL ACTIVE HIGH YIELD ETF	YLD	999	5.0	95	50	Yes		YLD
1GENY	PRINCIPAL EXCHANGE TRADED FDPRCPL MIL INDX	GENY	999	5.0	95	95	No		
1USMC	PRINCIPAL EXCHANGE TRADED FDUS MEGA CAP	USMC	999	5.0	95	50	Yes		USMC
1PSC	PRINCIPAL EXCHANGE TRADED FDUS SML CAP IDX	PSC	999	7.5	95	50	No		PSC
10550	PRINCIPAL INTERNATIONAL ADAPTIVE MULTI-FACTOR ETF	00550	522	5.0	95	50	No		PXUS
1UFO	PROCURE ETF TRUST IISPACE ETF	UFO	999	7.5	95	95	Yes		UFO
1DAT	PROSHARES BIG DATA REFINERS ETF	DAT	999	5.0	95	95	Yes		DAT
1CSM	PROSHARES CREDIT SUISSE 130/30	CSM	999	5.0	95	50	Yes		CSM
1TINY	PROSHARES NANOTECHNOLOGY ETF	TINY	999	5.0	95	95	Yes		TINY
1OND	PROSHARES ON-DEMAND ETF	OND	999	5.0	95	95	Yes		OND
1PAWZ	PROSHARES PET CARE ETF	PAWZ	999	5.0	95	50	Yes		PAWZ
1CTEX	PROSHARES S&P KENSHO CLEANTECH E	CTEX	999	5.0	95	95	Yes		CTEX
1MAKX	PROSHARES S&P KENSHO SMART FACTO	MAKX	999	5.0	95	95	Yes		MAKX
1TINT	PROSHARES SMART MATERIALS ETF	TINT	999	5.0	95	95	Yes		TINT
1EMTY	PROSHARES TRDECLINE RETAIL	EMTY	999	5.0	95	95	Yes		EMTY
1TOLZ	PROSHARES TRDJ BRKFLD GLB	TOLZ	999	5.0	95	95	Yes		TOLZ
1VERS	PROSHARES TRMETAVERSE ETF	VERS	999	5.0	95	95	Yes		VERS
1QQQA	PROSHARES TRNASDAQ100 DORSEY	QQQA	999	5.0	95	95	Yes		QQQA
1ONLN	PROSHARES TRONLINE RTL ETF	ONLN	999	5.0	95	95	Yes		ONLN
1SPXE	PROSHARES TRSP500 EX ENRGY	SPXE	999	5.0	95	50	Yes		SPXE
1SPXN	PROSHARES TRSP500 EX FINLS	SPXN	999	5.0	95	50	Yes		SPXN
1SPXV	PROSHARES TRSP500 EX HLTH	SPXV	999	5.0	95	50	Yes		SPXV
1SPXT	PROSHARES TRSP500 EX TECH	SPXT	999	5.0	95	50	Yes		SPXT

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1SUPL	PROSHARES TRSUPPLY CHAIN LOG	SUPL	999	5.0	95	95	Yes		SUPL
1SKYU	PROSHARES TRULTR NASDAQCMPTG	SKYU	999	5.0	95	95	Yes		SKYU
1PKB	PWRSHRS DYN BUILDING & CONSTRUCT	PKB	999	5.0	95	95	Yes		PKB
1PFI	PWRSHRS DYNAMIC FINANCIALS SCTR	PFI	999	5.0	95	95	Yes		PFI
1PWC	PWRSHRS DYNAMIC MARKET PORTF	PWC	999	5.0	95	50	No		BMVP
1PEY	PWRSHRS HIGH YLD EQTY DIVIDEND	PEY	999	5.0	95	95	Yes		PEY
10070	REAL ESTATE SELECT SECTOR INDEX	00070	68	5.0	95	95	Yes	XAR	SRS, URE, DRV, DRN, REK, XLRE
1UTES	REAVES UTILS ETFETFIS SER TR I	UTES	999	5.0	95	95	No		UTES
1IPOS	RENAISSANCE CAP GREENWICH FDINTNTL IPO ETF	IPOS	999	5.0	95	50	Yes		IPOS
1IPO	RENAISSANCE IPO ETF	IPO	999	5.0	95	50	Yes		IPO
1RWL	REVENUESHARES LARGE CAP FUND	RWL	999	5.0	95	50	Yes		RWL
1RDIV	REVENUESHARES ULTRA DIVIDEND FUND	RDIV	999	5.0	95	95	Yes		RDIV
1METV	ROUNDHILL BALL METAVERSE ETF	METV	999	5.0	95	95	Yes		METV
1WEED	ROUNDHILL CANNABIS ETF	WEED	999	7.5	95	95	Yes		WEED
1DRAG	ROUNDHILL ETF TRUSTCHINA DRAGONS ET	DRAG	999	5.0	95	95	Yes		DRAG
1MAGS	ROUNDHILL MAGNIFICENT SEVEN	MAGS	999	5.0	95	95	Yes		MAGS, MAGX, MAGQ
1MEME	ROUNDHILL MEME ETF	MEME	999	7.5	95	50	No		MEME
1FNDF	RUSSELL FUNDAMENTAL DEVELOPED EX-U.S. LARGE CO.	FNDF	999	5.0	95	50	Yes		FNDF
1FNDC	RUSSELL FUNDAMENTAL DEVELOPED EX-U.S. SMALL CO IND	FNDC	999	7.5	95	95	Yes		FNDC
1FNDB	RUSSELL FUNDAMENTAL U.S. INDEX	FNDB	999	5.0	95	50	Yes		FNDB
1FNDA	RUSSELL FUNDAMENTAL U.S. SMALL COMPANY INDEX	FNDA	999	7.5	95	50	Yes		FNDA
1IWC	RUSSELL MICROCAP INDEX	IWC	999	7.5	95	50	Yes		IWC
1IWP	RUSSELL MIDCAP GROWTH INDEX TOTAL RETURN	IWP	999	5.0	95	95	Yes		IWP
10047	RUSSELL MIDCAP INDEX	00047	47	7.5	95	50	Yes		IWR

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							SPECIAL NOTATIONS		
Basket Code	Description	Class Group	Product Group	Basket Minimum %	Basket Offset %	Capitalization Minimum %	Listed Options on Primary Index or Related ETF	Index Futures on Primary Index	ETFs Based on Primary Index
10079	RUSSELL MIDCAP VALUE INDEX	00079	47	7.5	95	50	Yes		IWS
10540	RUSSELL RAFI EMERGING MARKETS LARGE COMPANY INDEX	00540	523	5.0	95	50	Yes		FNDE
1DEUS	RUSSELL 1000 COMPREHENSIVE FACTOR INDEX	DEUS	999	5.0	95	50	Yes		DEUS
10118	RUSSELL 1000 ENERGY RIC 22.5/45 CAPPED TOTAL RETUR	00118	15	5.0	95	95	Yes		IYE
10101	RUSSELL 1000 FINANCIALS 40 ACT	00101	99	5.0	95	95	Yes		IYF
10051	RUSSELL 1000 GROWTH INDX	00051	52	5.0	95	50	Yes	RSG	IWF, VONG, IWFL
10017	RUSSELL 1000 INDEX	00017	9	5.0	95	50	Yes	RS1, ARR	IWB, VONE
10176	RUSSELL 1000 TECHNOLOGY RIC 22.5/45 CAPPED TOTAL R	00176	76	5.0	95	95	Yes		IYW
10257	RUSSELL 1000 UTILITIES RIC 22.5/45 CAPPED TOTAL RET	00257	57	5.0	95	95	Yes		IDU
10055	RUSSELL 1000 VALUE INDEX	00055	53	5.0	95	50	Yes	RSV	IWD, VONV, IWDL
1SMDV	RUSSELL 2000 DIVIDEND GROWTH INDEX	SMDV	999	7.5	95	50	Yes		SMDV
10058	RUSSELL 2000 GROWTH INDX	00058	45	7.5	95	50	Yes	R2G	IWO, VTWG
10043	RUSSELL 2000 INDEX	00043	45	7.5	95	50	Yes	RTY, M2K, A2R	IWM, TWM, RWM, UWM, TNA, TZA, SRTY, URTY, VTWO, IWML, RSSL
10066	RUSSELL 2000 VALUE INDEX	00066	45	7.5	95	50	Yes	R2V	IWN, VTWV
10015	RUSSELL 3000 INDEX	00015	9	5.0	95	50	Yes		IWV, VTHR
1RFV	RYDEX S&P MIDCAP 400 PURE VALUE	RFV	999	7.5	95	50	Yes		RFV
10012	S & P MIDCAP 400 INDEX	00012	47	7.5	95	50	Yes	ME, MMC	IJH, MDY, SPMD, MVV, MYY, MZZ, MIDU, SMDD, UMDD, IVOO
10013	S & P 100	00013	9	5.0	95	50	Yes		OEF
1BNGE	S NETWORK STREAMING AND GAMING INDEX	BNGE	999	5.0	95	95	Yes		BNGE
10085	S P SEMICONDUCTOR SELECT INDUSTRY	00085	104	5.0	95	95	Yes		XSD
1XAR	S&P AEROSPACE & DEFENSE	XAR	999	5.0	95	95	Yes		XAR
10092	S&P BANKS SELECT INDUSTRY INDEX	00092	158	5.0	95	95	Yes		KBE
10513	S&P BIOTECHNOLOGY SELECT INDUSTRY INDEX	00513	36	5.0	95	95	Yes	SXT	XBI, LABD, LABU
10265	S&P CALIFORNIA AMT-FREE MUNICIPAL BOND TOTAL RETUR	00265	265	5.0	95	95	Yes		VTEC



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10530	S&P COMPOSITE 1500 INDEX	00530	9	5.0	95	50	Yes		SPTM
10168	S&P DEVELOPED EX-U.S. BMI INDEX	00168	67	5.0	95	50	Yes		SPDW
10537	S&P EMERGING BMI INDEX	00537	523	5.0	95	50	Yes		SPEM
10542	S&P EMERGING MARKETS UNDER USD 2 BILLION INDEX	00542	523	7.5	95	50	Yes		EWX
1SPFF	S&P ENHANCED YIELD NORTH AMERICAN PEF STOCK IND	SPFF	999	5.0	95	95	Yes		SPFF
10507	S&P EQUAL WEIGHT INDEX	00507	207	5.0	95	50	Yes	EWF	RSP
10034	S&P EUROPE 350 INDEX	00034	42	5.0	95	50	Yes		IEV
1VNQI	S&P GLOBAL EX US PROPERTY INDEX	VNQI	999	5.0	95	95	Yes		VNQI
1WOOD	S&P GLOBAL TIMBER & FORESTRY	WOOD	999	5.0	95	95	Yes		WOOD
1JXI	S&P GLOBAL UTILITIES INDEX	JXI	999	5.0	95	95	Yes		JXI
1IXG	S&P GLOBAL 1200 FINANCIALS SECTOR INDEX	IXG	999	5.0	95	95	Yes		IXG
1XHE	S&P HEALTHCARE EQUIP INDUSTRY INDEX	XHE	999	5.0	95	95	Yes		XHE
10029	S&P HOMEBUILDERS SELECT INDUSTRY INDEX	00029	30	5.0	95	95	Yes		XHB
10266	S&P INTERMEDIATE TERM NATIONAL AMT-FREE MUNICIPAL	00266	266	5.0	95	95	Yes		VTEI
1PICB	S&P INTERNATIONAL CORPORATE BOND INDEX	PICB	999	5.0	95	95	No		PICB
10533	S&P LATIN AMERICA 40 INDEX	00533	524	5.0	95	50	Yes		ILF
1XLB	S&P MATERIALS SELECT SECTOR INDX	XLB	999	5.0	95	95	Yes	XAB	XLB
1REGL	S&P MIDCAP 400 DIVIDEND ARISTOCRATS INDEX	REGL	999	7.5	95	50	Yes		REGL
1EWMC	S&P MIDCAP 400 EQUAL WEIGHT INDEX	EWMC	999	7.5	95	50	Yes		GRPM
10049	S&P MIDCAP 400 GROWTH INDEX	00049	47	7.5	95	50	Yes		IJK, MDYG, IVOG
1XMLV	S&P MIDCAP 400 LOW VOLATILITY INDEX	XMLV	999	7.5	95	95	Yes		XMLV
1RFG	S&P MIDCAP 400 PURE GROWTH INDEX	RFG	999	7.5	95	50	Yes		RFG
10082	S&P MIDCAP 400 QUALITY INDEX	00082	47	7.5	95	50	Yes		XMHQ
10090	S&P MIDCAP 400 SUSTAINABILITY SCREENED INDEX USD	00090	47	7.5	95	50	No		XJH

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10335	S&P NATIONAL AMT-FREE MUNICIPAL BOND	00335	135	5.0	95	95	Yes		VTEB
10359	S&P NEW YORK AMT-FREE MUNI BOND	00359	159	5.0	95	95	No		NYF
10115	S&P OIL AND GAS EXPLORATION AND PRODUCTION	00115	16	5.0	95	95	Yes	SXO	XOP, DRIP, GUSH
1XPH	S&P PHARMACEUTICALS SELECT INDUSTRY INDEX	XPH	999	5.0	95	95	Yes		XPH, PILL
10158	S&P REGIONAL BANKS INDEX	00158	158	5.0	95	95	Yes	SXB	KRE, DPST
1XRT	S&P RETAIL SELECT INDUSTRY INDEX	XRT	999	5.0	95	95	Yes	SXR	XRT, RETL
10086	S&P SMALL CAP 600 PURE GROWTH	00086	45	7.5	95	50	Yes		RZG
1IJS	S&P SMALL CAP 600 VALUE USD TOTAL RETURN INDEX	IJS	999	7.5	95	50	Yes		IJS, SLYV, VIOV
1PSCD	S&P SMALLCAP 600 CAPPED CONSUMER DISCRETIONARY IDX	PSCD	999	7.5	95	95	Yes		PSCD
1PSCC	S&P SMALLCAP 600 CAPPED CONSUMER STAPLES INDEX	PSCC	999	7.5	95	95	Yes		PSCC
1PSCE	S&P SMALLCAP 600 CAPPED ENERGY INDEX	PSCE	999	7.5	95	95	Yes		PSCE
1PSCU	S&P SMALLCAP 600 CAPPED UTILITIES & TELECOM SERVIC	PSCU	999	7.5	95	95	No		PSCU
10073	S&P SMALLCAP 600 GROWTH INDEX	00073	45	7.5	95	50	Yes		IJT, SLYG, VIOG
10045	S&P SMALLCAP 600 INDEX	00045	45	7.5	95	50	Yes	SMC, MSC	IJR, SBB, SDD, SAA, VIOO, SPSM
1XSLV	S&P SMALLCAP 600 LOW VOLATILITY INDEX	XSLV	999	7.5	95	95	Yes		XSLV
1XSW	S&P SOFTWARE & SERVICES INDEX	XSW	999	5.0	95	95	Yes		XSW
1XTL	S&P TELECOM SELECT INDUSTRY INDEX	XTL	999	5.0	95	95	Yes		XTL
10520	S&P TOTAL MARKET INDEX	00520	9	5.0	95	50	Yes		ITOT
10185	S&P TRANSPORTATION SELECT INDUSTRY FMC CAPPED INDE	00185	85	5.0	95	95	Yes		IYT, TPOR
10186	S&P TRANSPORTATION SELECT INDUSTRY INDEX	00186	85	5.0	95	95	Yes		XTN
10501	S&P UTILITIES SELECT SECTOR INDEX	00501	57	5.0	95	95	Yes	XAU	XLU, UPW, SDP
1WPS	S&P WORLD EX-US PROPERTY IND ETF	WPS	999	5.0	95	95	Yes		WPS
10267	S&P 0-7 YEAR NATIONAL AMT-FREE MUNICIPAL BOND INDE	00267	267	5.0	95	95	Yes		VTES
1MDYV	S&P 400 MID-CAP VALUE INDEX	MDYV	999	7.5	95	50	Yes		MDYV, IVOV

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10018	S&P 500	00018	9	5.0	95	50	Yes	ES, SP, MES, TRI, ASR, ASPR	IVV, SPY, SPLG, SSO, SDS, SH, SPXL, SPXS, SPXU, UPRO, VOO, SPUU, SPDN,
1NOBL	S&P 500 DIVIDEND ARISTOCRATS INDEX	NOBL	999	5.0	95	95	Yes		NOBL
10106	S&P 500 EQUAL WEIGHT FINANCIALS	00106	99	5.0	95	95	Yes		RSPF
10071	S&P 500 EQUAL WEIGHT REAL ESTATE INDEX	00071	68	5.0	95	95	Yes		RSPR
1SPYX	S&P 500 FOSSILL FUEL INDEX	SPYX	999	5.0	95	50	Yes		SPYX
10052	S&P 500 GROWTH INDEX	00052	52	5.0	95	50	Yes	SG	IVW, SPYG, VOOG
1SPHB	S&P 500 HIGH BETA INDEX	SPHB	999	5.0	95	50	Yes		SPHB, HIBS, HIBL
1SPYD	S&P 500 HIGH DIVIDEND INDEX	SPYD	999	5.0	95	50	Yes		SPYD
1RPG	S&P 500 PURE GROWTH INDEX	RPG	999	5.0	95	50	Yes		RPG
10053	S&P 500 VALUE INDEX	00053	53	5.0	95	50	Yes	SU	IVE, SPYV, VOOV
10050	S&P 900 GROWTH	00050	52	5.0	95	50	Yes		IUSG
10069	S&P 900 VALUE INDEX	00069	53	5.0	95	50	Yes		IUSV
1ISHP	S-NETWORK GLOBAL E-COMMERCE INDEX	ISHP	999	5.0	95	95	Yes		ISHP
1LEAD	Siren Divcon Leaders Dividend ETF	LEAD	999	5.0	95	50	No		LEAD
1FNDX	SCHWAB FUNDAMENTAL U.S. LARGE COMPANY INDEX	FNDX	999	5.0	95	50	Yes		FNDX
1SCHC	SCHWAB INT'L SMALL-CAP EQUITY	SCHC	999	7.5	95	50	Yes		SCHC
1SCHY	SCHWAB STRATEGIC TRINTERNL DIVID	SCHY	999	5.0	95	50	Yes		SCHY
1SCHD	SCHWAB U.S. DIVIDEND EQUITY ETF	SCHD	999	5.0	95	50	Yes		SCHD
1SCHX	SCHWAB U.S. LARGE-CAP ETF	SCHX	999	5.0	95	50	Yes		SCHX
1SCHG	SCHWAB U.S. LARGE-CAP GROWTH ETF	SCHG	999	5.0	95	50	Yes		SCHG
1SCHV	SCHWAB U.S. LARGE-CAP VALUE ETF	SCHV	999	5.0	95	50	Yes		SCHV
1SCHM	SCHWAB U.S. MID-CAP ETF	SCHM	999	7.5	95	50	Yes		SCHM
1SCHK	SCHWAB 1000 INDEX	SCHK	999	5.0	95	50	Yes		SCHK
1MTBA	SIMPLIFY EXCHANGE TRADED FUNMBS ETF	MTBA	999	5.0	95	95	Yes		MTBA

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1VCAR	SIMPLIFY EXCHANGE TRADED FUNVOLT ROBOCAR DI	VCAR	999	5.0	95	95	Yes		VCAR
1HEQT	SIMPLIFY HEDGED EQUITY ETF	HEQT	999	5.0	95	50	Yes		HEQT
1CNXT	SME CHINEXT 100	CNXT	999	7.5	95	95	Yes		CNXT
1BYOB	SOFI BE YOUR OWN BOSS ETF	BYOB	999	5.0	95	50	No		
1ENRG	SOFI SMART ENERGY ETF	ENRG	999	5.0	95	95	No		
1BULZ	SOLACTIVE FANG INNOVATION INDEX	BULZ	999	5.0	95	95	No		BERZ, BULZ
10601	SOLACTIVE GBS UNITED STATES 1000 INDEX	00601	9	5.0	95	50	No		GUSA
10103	SOLACTIVE MICROSECTORS OIL& GAS EXPLORATION & PROD	00103	16	5.0	95	95	No		OILD, OILU
1MLPX	SOLACTIVE MLP & ENERGY INFRASTRUCTURE INDEX	MLPX	999	5.0	95	95	Yes		MLPX
1MLPA	SOLACTIVE MLP COMPOSITE INDEX	MLPA	999	5.0	95	95	Yes		MLPA
1EMFM	SOLACTIVE NEXT EMERGING & FRONTIER INDEX	EMFM	999	7.5	95	95	No		EMFM
10383	SOLACTIVE USD HIGH YIELD CORP TOTAL MARKET INDEX	00383	172	5.0	95	50	Yes		HYLB
1HERO	SOLACTIVE VIDEO GAMES AND ESPORTS INDEX	HERO	999	5.0	95	95	Yes		HERO
10600	SP 500 ESG INDEX	00600	9	5.0	95	50	Yes	ESG	SNPE, EFIV
1SPCX	SPAC AND NEW ISSUE ETF	SPCX	999	7.5	95	95	Yes		SPCX
1IBND	SPDR BARCLAYS CAPITAL INTE CORP	IBND	999	5.0	95	95	Yes		IBND
1BWX	SPDR BARCLAYS INTL TREASURY BOND	BWX	999	5.0	95	95	Yes		BWX
10356	SPDR BARCLAYS MUNICIPAL BOND ETF	00356	156	5.0	95	95	Yes		TFI
1BWZ	SPDR BARCLAYS SHORT TERM INTERNATIONAL TREASURY	BWZ	999	5.0	95	95	No		BWZ
1CWB	SPDR BC CONVRTBL SECURITIES ETF	CWB	999	5.0	95	95	Yes		CWB
10332	SPDR BLOOMBERG BARCLAYS 1-10 YEAR TIPS ETF	00332	144	5.0	95	95	Yes		TIPX
1RWX	SPDR DJ WILSHIRE INTL REAL ESTE	RWX	999	5.0	95	95	Yes		RWX
1EMTL	SPDR DOUBLELINE EMERGING MARKETS FIXED INCOME ETF	EMTL	999	7.5	95	95	No		EMTL
1TOTL	SPDR DOUBLINE TOTAL RETURN TACTICAL ETF	TOTL	999	5.0	95	95	Yes		TOTL

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1RWO	SPDR DOW JONES GLOBAL REAL ESTAT	RWO	999	5.0	95	50	Yes		RWO
1WIP	SPDR FTSE INTERNATIONAL GOVERNME	WIP	999	5.0	95	95	Yes		WIP
1GII	SPDR FTSE/MACQUARIE GLBL INFRA	GII	999	5.0	95	95	Yes		GII
1QEMM	SPDR INDEX SHS FDSEM QUAL MIX	QEMM	999	5.0	95	50	Yes		QEMM
1EFAX	SPDR INDEX SHS FDSMSCI EAFE FS ETF	EFAX	999	5.0	95	50	Yes		EFAX
1EEMX	SPDR INDEX SHS FDSMSCI EMR MKT ETF	EEMX	999	5.0	95	50	Yes		EEMX
1WDIV	SPDR INDEX SHS FDSS&P GLBDIV ETF	WDIV	999	5.0	95	50	Yes		WDIV
1NANR	SPDR INDEX SHS FDSS&P NORTH AMER	NANR	999	5.0	95	95	Yes		NANR
1QWLD	SPDR INDEX SHS FDSWRLD QUAL MIX	QWLD	999	5.0	95	50	Yes		QWLD
1XME	SPDR METALS & MINING ETF	XME	999	5.0	95	95	Yes		XME
1NZAC	SPDR MSCI ACWI CLIMATE PARIS ALIGNED ETF	NZAC	999	5.0	95	50	Yes		NZAC
10549	SPDR MSCI EAFE STRATEGICFACTORS ETF	00549	522	5.0	95	50	Yes		QEFA
10374	SPDR NUVEEN S&P HIGH YIELD MUNICIPAL BOND ETF	00374	174	5.0	95	95	Yes		HYMB
1XNTK	SPDR NYSE TECHNOLOGY ETF	XNTK	999	5.0	95	95	Yes		XNTK
10114	SPDR OIL & GAS EQUIP & SERVICES	00114	15	5.0	95	95	Yes		XES
1SPIB	SPDR PORTFOLIO INTERMEDIATE TERM CORP BOND	SPIB	999	5.0	95	95	Yes		SPIB
1SPSB	SPDR PORTFOLIO SHORT TERM CORP BOND	SPSB	999	5.0	95	95	Yes		SPSB
1KCE	SPDR S&P CAPITAL MARKETS ETF	KCE	999	5.0	95	95	Yes		KCE
10091	SPDR S&P CHINA	00091	81	5.0	95	50	Yes		GXC
1SDY	SPDR S&P DIVIDEND ETF	SDY	999	5.0	95	95	Yes		SDY
1GMF	SPDR S&P EMERGING ASIA PACIFIC	GMF	999	5.0	95	95	Yes		GMF
1EDIV	SPDR S&P EMERGING MARKETS DIVIDE	EDIV	999	7.5	95	50	Yes		EDIV
1GNR	SPDR S&P GLOBAL NATURAL RESOURCE	GNR	999	5.0	95	95	Yes		GNR
1XHS	SPDR S&P HEALTH CARE SERVICES	XHS	999	5.0	95	95	Yes		XHS

## Valid Basket Codes for RBH and CPM

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1KIE	SPDR S&P INSURANCE ETF	KIE	999	5.0	95	95	Yes	SXI	KIE
1GWX	SPDR S&P INTERNATIONAL SMALL CAP	GWX	999	7.5	95	95	Yes		GWX
1DWX	SPDR S&P INTL DIVIDEND ETF	DWX	999	5.0	95	95	Yes		DWX
1CNRG	SPDR S&P KENSHO CLEAN POWER ETF	CNRG	999	5.0	95	95	No		CNRG
1ROKT	SPDR S&P KENSHO FINAL FRONTIERS	ROKT	999	5.0	95	95	Yes		ROKT
1KOMP	SPDR SER TRKENSHO NEW ECO	KOMP	999	5.0	95	50	Yes		KOMP
1NZUS	SPDR SER TRMSCI USA CLIMATE	NZUS	999	5.0	95	95	Yes		NZUS
1QUS	SPDR SER TRMSCI USA QUAL	QUS	999	5.0	95	50	Yes		QUS
1SPBO	SPDR SER TRPORTFOLIO CRPORT	SPBO	999	5.0	95	95	Yes		SPBO
1ONEV	SPDR SER TRRUSSELL LOW VOL	ONEV	999	5.0	95	50	Yes		ONEV
1ONEO	SPDR SER TRRUSSELL MOMENTUM	ONEO	999	5.0	95	50	Yes		ONEO
1ONEY	SPDR SER TRRUSSELL YIELD	ONEY	999	5.0	95	50	Yes		ONEY
1LGLV	SPDR SER TRRUSS1000LOWVOL	LGLV	999	5.0	95	50	Yes		LGLV
1SMLV	SPDR SER TRRUSS2000 LOVOL	SMLV	999	7.5	95	50	Yes		SMLV
1XWEB	SPDR SER TRS&P INTERNET ETF	XWEB	999	5.0	95	95	No		
1FITE	SPDR SER TRS&P KENSHO FUTRE	FITE	999	7.5	95	95	Yes		FITE
1SIMS	SPDR SER TRS&P KENSHO INTLG	SIMS	999	5.0	95	95	Yes		SIMS
1MMTM	SPDR SER TRS&P1500MOMTILT	MMTM	999	5.0	95	50	Yes		MMTM
1SHE	SPDR SER TRSSGA GNDER ETF	SHE	999	5.0	95	50	Yes		SHE
1XITK	SPDR SERIES TRUSTFACTST INV ETF	XITK	999	5.0	95	95	Yes		XITK
1SPLB	SPDR SERIES TRUSTPORTFOLIO LN COR	SPLB	999	5.0	95	95	Yes		SPLB
1VLU	SPDR SERIES TRUSTSPDR S&P1500VL	VLU	999	5.0	95	50	Yes		VLU
1HAIL	SPDR SP KENSHO SMART MOBILITY ETF	HAIL	999	7.5	95	95	Yes		HAIL
1GAL	SPDR SSGA GLOBAL ALLOCATION ETF	GAL	999	5.0	95	95	Yes		GAL

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1INKM	SPDR SSGA INCOME ALLOCATION ETF	INKM	999	5.0	95	95	Yes		INKM
1PSK	SPDR WELLS FARGO PREFERRED STOCK	PSK	999	5.0	95	95	Yes		PSK
10364	SPDR 1-3 MONTH T-BILL ETF	00364	164	5.0	95	95	Yes		BIL
10357	SPLICED BLOOMBERG U.S. AGGREGATE FLOAT ADJUSTED IN	00357	152	5.0	95	95	Yes		BND
1URNJ	SPROTT FDS TRJUNIOR URANIUM	URNJ	999	7.5	95	95	Yes		URNJ
1SGDM	SPROTT GOLD MINERS ETF	SGDM	999	5.0	95	95	Yes		SGDM
1DECO	SSGA ACTIVE TRSPDR GALAXY DI	DECO	999	5.0	95	95	Yes		DECO
1SECT	SSGA SPDR ETFS EUROPE II PLCS&P US CONSUMER	SECT	999	7.5	95	95	Yes		SECT
10048	STANDARD & POORS COMPLETION INDEX	00048	45	7.5	95	50	Yes		VXF
10065	STOXX EUROPE TOTAL MARKET INDEX	00065	42	5.0	95	50	Yes		SPEU
1NZRO	STRATEGY SHARES HALT CLIMATE CHA	NZRO	999	5.0	95	50	No		
1SSUS	STRATEGY SHSDAY HAGAN NED	SSUS	999	5.0	95	50	Yes		SSUS
10072	T ROWE PRICE EQUITY INCOME ETF	00072	53	5.0	95	50	No		TEQI
10128	TECHNOLOGY SELECT SECTOR INDEX	00128	76	5.0	95	95	Yes	XAK	XLK, ROM, REW, TECS, TECL
1HRTS	TEMA ETF TRUSTCARDV & METB ETF	HRTS	999	5.0	95	95	Yes		HRTS
1JOET	TERRANOVA U.S QUALITY MOMENTUM INDEX	JOET	999	5.0	95	50	Yes		JOET
1EMLC	THE J.P. MORGAN GBI-EMG CORE INDEX	EMLC	999	5.0	95	50	Yes		EMLC
1WISE	THEMES ETF TRGENERATIVE ARTIF	WISE	999	5.0	95	95	Yes		WISE
1JSTC	TIDAL ETF TRADASINA SOCIAL	JSTC	999	5.0	95	50	Yes		JSTC
1GRNY	TIDAL ETF TRFUNDSTRAT GRANNY	GRNY	999	5.0	95	50	Yes		GRNY
1YALL	TIDAL ETF TRGOD BLESS AMER	YALL	999	5.0	95	50	Yes		YALL
1GSPY	TIDAL ETF TRGOTHAM ENHNCD	GSPY	999	5.0	95	95	Yes		GSPY
1GVLU	TIDAL ETF TRGOTHAM 1000 VALU	GVLU	999	5.0	95	50	Yes		GVLU
1AHOY	TIDAL ETF TRNEWDAY OCN HEALT	AHOY	999	5.0	95	50	Yes		AHOY



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1TWEB	TIDAL ETF TRSOFI WEB 3 ETF	TWEB	999	7.5	95	50	No		
1SFYF	TIDAL ETF TRSOFI 50 ETF	SFYF	999	5.0	95	50	Yes		SFYF
1BOAT	TIDAL ETF TRSONICSHARES GBL	BOAT	999	7.5	95	95	Yes		BOAT
1CHAT	TIDAL TR IROUNDHILL GENER	CHAT	999	5.0	95	95	Yes		CHAT
1SFYX	TIDEL ETF TRSOFI NEXT 500	SFYX	999	7.5	95	50	Yes		SFYX
1SFY	TIDEL ETF TRSOFI SELCT 500	SFY	999	7.5	95	50	Yes		SFY
1TTAC	TRIMTABS ALL CAP US FREE-CASH-FLOW ETF	TTAC	999	5.0	95	50	Yes		TTAC
1SPC	TRUST FOR PROFESSIONAL MANAGCROSSINGBRDG PRE	SPC	999	7.5	95	95	Yes		SPC
1SEA	U.S. GLOBAL SEA TO SKY CARGO ETF	SEA	999	5.0	95	95	Yes		SEA
1OACP	UNIFIED SER TRONEASCENT CORE P	OACP	999	5.0	95	50	Yes		OACP
1NANC	UNUSUAL WHALES SUBVERSIVE DEMOCRATIC TRADING ETF	NANC	999	5.0	95	95	Yes		NANC
1KRUZ	UNUSUAL WHALES SUBVERSIVE REPUBLICAN TRADING ETF	KRUZ	999	5.0	95	95	Yes		KRUZ
1GOAU	US GLOBAL GO GOLD AND PRECIOUS METAL MINERS INDEX	GOAU	999	7.5	95	95	Yes		GOAU
10183	US TREASURY 10 YEAR	00183	183	5.0	95	95	Yes		UTEN
10182	US TREASURY 2 YEAR	00182	182	5.0	95	95	Yes		UTWO
10180	US TREASURY 3 MONTH	00180	180	5.0	95	95	Yes		TBIL
1VFVA	Vanguard U.S. Value Factor ETF	VFVA	999	7.5	95	50	Yes		VFVA
1VUSB	Vanguard Ultra-Short Bond ETF	VUSB	999	5.0	95	50	Yes		VUSB
1WGMI	VALKYRIE ETF TRUST IIBITCOIN MINERS	WGMI	999	5.0	95	95	Yes		WGMI
1FVD	VALUE LINE DIVIDEND INDEX FUND	FVD	999	5.0	95	50	Yes		FVD
1EQTY	VALUED ADVISERS TRKOVITZ CORE EQT	EQTY	999	5.0	95	50	Yes		EQTY
1DESK	VANECK ETF TRUSTOFFICE AND COMME	DESK	999	5.0	95	95	Yes		DESK
1IBOT	VANECK ETF TRUSTROBOTICS ETF	IBOT	999	5.0	95	95	Yes		IBOT
1GMET	VANECK GREEN METALS ETF	GMET	999	5.0	95	95	Yes		GMET

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1SMOT	VANECK MORNINGSTAR SMID MOAT ETF	SMOT	999	5.0	95	50	Yes		SMOT
1RTH	VANECK RETAIL ETF	RTH	999	5.0	95	95	Yes		RTH
10391	VANECK SHORT MUNI ETF	00391	187	5.0	95	95	Yes		SMB
1GLCN	VANECK VECTORS CHINA GROWTH LEADERS	GLCN	999	5.0	95	95	No		
1HYEM	VANECK VECTORS EMERGING MARKETS HIGH YIELD BOND	HYEM	999	7.5	95	95	Yes		HYEM
1EINC	VANECK VECTORS ENERGY INCOME ETF	EINC	999	7.5	95	95	Yes		EINC
1DAPP	VANECK VECTORS ETF TRDIGI TRANS ETF	DAPP	999	5.0	95	95	Yes		DAPP
1MORT	VANECK VECTORS ETF TRMTG REIT IN	MORT	999	5.0	95	95	Yes		MORT
1BUZZ	VANECK VECTORS ETF TRSOCIAL SENTIMENT	BUZZ	999	5.0	95	50	Yes		BUZZ
1ESPO	VANECK VECTORS ETF TRVIDEO GAMING	ESPO	999	5.0	95	95	Yes		ESPO
1ANGL	VANECK VECTORS FALLEN ANGEL HIGH	ANGL	999	7.5	95	50	Yes		ANGL
1GLIN	VANECK VECTORS INDIA GROWTH LEADERS ETF	GLIN	999	7.5	95	50	Yes		GLIN
1SMOG	VANECK VECTORS LOW CARBON ENERGY ETF	SMOG	999	5.0	95	95	Yes		SMOG
1VCR	VANGUARD CONSUMER DISCRETIONARY	VCR	999	5.0	95	95	Yes		VCR
1VDC	VANGUARD CONSUMER STAPLES VIP	VDC	999	5.0	95	95	Yes		VDC
1VCRB	VANGUARD CORE BOND ETF	VCRB	999	5.0	95	95	Yes		VCRB
1VIG	VANGUARD DIVIDEND APPRECIATION	VIG	999	5.0	95	50	Yes		VIG
1VWOB	VANGUARD EMERGING MARKETS GOVERNMENT BOND ETF	VWOB	999	5.0	95	95	Yes		VWOB
10173	VANGUARD ESG INTERNATIONAL STOCK ETF	00173	67	5.0	95	50	Yes		VSGX
1VCEB	VANGUARD ESG US CORPORATE BOND	VCEB	999	5.0	95	95	Yes		VCEB
10341	VANGUARD EXTND DURATN TREAS INDX	00341	141	5.0	95	95	Yes		EDV
1VFH	VANGUARD FINANCIALS VIPERS	VFH	999	5.0	95	95	Yes		VFH
1VSS	VANGUARD FTSE ALL WORLD EX-US SM	VSS	999	7.5	95	50	Yes		VSS
1VUG	VANGUARD GROWTH VIPERS	VUG	999	5.0	95	50	Yes		VUG

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1VHT	VANGUARD HEALTH CARE VIPERS	VHT	999	5.0	95	95	Yes		VHT
1VYM	VANGUARD HIGH DIVIDEND YIELD ETF	VYM	999	5.0	95	50	Yes		VYM
1VIS	VANGUARD INDUSTRIALS ETF	VIS	999	5.0	95	95	Yes		VIS
1VGT	VANGUARD INFORMATION TECH INDEX	VGT	999	5.0	95	95	Yes		VGT
1VV	VANGUARD LARGE CAP INDEX	VV	999	5.0	95	50	Yes		VV
1BLV	VANGUARD LONG-TERM BOND INDEX	BLV	999	5.0	95	95	Yes		BLV
1VCLT	VANGUARD LONG-TERM CORPORATE BON	VCLT	999	5.0	95	95	Yes		VCLT
1VPLS	VANGUARD MALVERN FDSCORE-PLUS BD ETF	VPLS	999	5.0	95	50	Yes		VPLS
1VAW	VANGUARD MATERIALS VIPERS	VAW	999	5.0	95	95	Yes		VAW
1MGC	VANGUARD MEGA CAP 300 ETF	MGC	999	5.0	95	50	Yes		MGC
1MGK	VANGUARD MEGA CAP 300 GROWTH ETF	MGK	999	5.0	95	50	Yes		MGK
1MGV	VANGUARD MEGA CAP 300 VALUE ETF	MGV	999	5.0	95	50	Yes		MGV
1VO	VANGUARD MID-CAP INDEX ETF	VO	999	7.5	95	50	Yes		VO
1VOE	VANGUARD MID-CAP VALUE ETF	VOE	999	7.5	95	50	Yes		VOE
1VTC	VANGUARD SCOTTSDALE FDS TOTAL CORP BND	VTC	999	5.0	95	95	Yes		VTC
1BSV	VANGUARD SHORT-TERM BOND ETF	BSV	999	5.0	95	95	Yes		BSV
1VCSH	VANGUARD SHORT-TERM CORPORATE BOND	VCSH	999	5.0	95	50	Yes		VCSH, SCHJ
1VBK	VANGUARD SMALL-CAP GROWTH ETF	VBK	999	7.5	95	50	Yes		VBK
1VOX	VANGUARD TELECOMM SERVICES	VOX	999	5.0	95	95	Yes		VOX
1VFMV	VANGUARD U.S. MINIMUM VOLATILITY ETF	VFMV	999	5.0	95	50	Yes		VFMV
1VFMO	VANGUARD U.S. MOMENTUM FACTOR ETF	VFMO	999	5.0	95	50	Yes		VFMO
1VFMF	VANGUARD U.S. MULTIFACTOR ETF	VFMF	999	5.0	95	50	Yes		VFMF
1VFQY	VANGUARD U.S. QUALITY FACTOR ETF	VFQY	999	5.0	95	50	Yes		VFQY
1VTV	VANGUARD VALUE INDEX ETF	VTV	999	5.0	95	50	Yes		VTV

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1VYMI	VANGUARD WHITEHALL FDS INCINTL HIGH ETF	VYMI	999	5.0	95	50	Yes		VYMI
1EATV	VEGTECH PLANT-BASED INNOVATION &	EATV	999	7.5	95	95	Yes		EATV
1VSDA	VICTORY PORTFOLIOS IIVICSHS DV AC ETF	VSDA	999	5.0	95	50	Yes		VSDA
1CSA	VICTORYSHARES US SMALL CAP VOLATILITY WTD ETF	CSA	999	7.5	95	50	No		CSA
1VUSE	VIDENT CORE U.S. EQUITY FUND	VUSE	999	5.0	95	50	No		VUSE
1IVES	WEDBUSH ETFMG GLOBAL CLOUD TECHN	IVES	999	7.5	95	95	Yes		AIVC
1VRP	WF HYBRID AND PREF SEC FLOAT AND VAR RATE INDEX	VRP	999	7.5	95	95	Yes		VRP
1DFE	WISDOM TREE EUROPE SMALLCAP D	DFE	999	7.5	95	50	Yes		DFE
1DIM	WISDOM TREE INTL MID CAP DIV	DIM	999	7.5	95	50	No		DIM
1DWM	WISDOM TREE DIEFA FUND	DWM	999	5.0	95	50	Yes		DWM
1DTH	WISDOM TREE DIEFA HIGH YIELDIN	DTH	999	5.0	95	50	Yes		DTH
1DEW	WISDOM TREE EUROPE HIGH YIELDI	DEW	999	5.0	95	50	Yes		DEW
1DOL	WISDOM TREE INTL LARGE CAP DIV	DOL	999	5.0	95	50	Yes		DOL
1DLS	WISDOM TREE INTL SMALL CAP DIV	DLS	999	7.5	95	50	Yes		DLS
1DNL	WISDOM TREE JAPAN HIGH YIELDIN	DNL	999	5.0	95	50	Yes		DNL
1DFJ	WISDOMTREE JAPAN SMALLCAP DIV	DFJ	999	7.5	95	50	Yes		DFJ
1WTAI	WISDOMTREE ARTIFICIAL INTELLIGENCE AND INNOVATION	WTAI	999	5.0	95	95	Yes		WTAI
1WBAT	WISDOMTREE BATTERY VALUE CHAIN A	WBAT	999	5.0	95	95	Yes		WBAT
1WDNA	WISDOMTREE BIOREVOLUTION FUND	WDNA	999	5.0	95	95	Yes		WDNA
1CXSE	WISDOMTREE CHINA EX-STATE-OWNED	CXSE	999	5.0	95	50	Yes		CXSE
1DDWM	WISDOMTREE DYNAMIC CURRENCY HEDGED EQUITY INDEX	DDWM	999	5.0	95	50	Yes		DDWM
1DDL	WISDOMTREE DYNAMIC CURRENCY HEDGED INTERNATIONAL	DDL	999	7.5	95	50	Yes		DDL
1EPS	WISDOMTREE EARNINGS 500 FUND	EPS	999	5.0	95	50	Yes		EPS
1GDE	WISDOMTREE EFFICIENT GOLD PLUS EQUITY STRATEGY	GDE	999	5.0	95	50	Yes		GDE

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1XSOE	WISDOMTREE EM EX ST OWNED	XSOE	999	5.0	95	50	Yes		XSOE
1EMCB	WISDOMTREE EMERGING MARKETS CORPORATE BOND FUND	EMCB	999	7.5	95	95	No		EMCB
10539	WISDOMTREE EMERGING MARKETS SMALLCAP DIVIDEND INDE	00539	523	7.5	95	50	Yes		DGS
1DEM	WISDOMTREE EMERGING MRKTS INDEX	DEM	999	7.5	95	50	Yes		DEM
1DHS	WISDOMTREE EQUITY INCOME FUND	DHS	999	5.0	95	50	Yes		DHS
10212	WISDOMTREE EUROPE HEDGED EQUITY FUND	00212	95	5.0	95	50	Yes		HEDJ
1EUSC	WISDOMTREE EUROPE HEDGED SMALLCAP EQUITY INDEX	EUSC	999	7.5	95	50	No		EUSC
1EPI	WISDOMTREE INDIA EARNINGS FUND	EPI	999	5.0	95	50	Yes		EPI
1AIVI	WISDOMTREE INTERNATIONAL AI ENHANCED VALUE	AIVI	999	5.0	95	50	Yes		AIVI
1IQDG	WISDOMTREE INTERNATIONAL QUALITY DIVIDEND GROWTH	IQDG	999	5.0	95	50	Yes		IQDG
1IHDG	WISDOMTREE INTL HEDGED DIVIDEND GROWTH	IHDG	999	5.0	95	50	Yes		IHDG
1DXJ	WISDOMTREE JAPAN HEDGED EQUITY INDEX	DXJ	999	5.0	95	50	Yes		DXJ
1DXJS	WISDOMTREE JAPAN HEDGED SMALL CAP EQUITY INDEX	DXJS	999	7.5	95	50	Yes		DXJS
1DLN	WISDOMTREE LARGE CAP DIVIDEND	DLN	999	5.0	95	50	Yes		DLN
1DON	WISDOMTREE MIDCAP DIVIDEND FUND	DON	999	7.5	95	50	Yes		DON
1EZM	WISDOMTREE MIDCAP EARNINGS FUN	EZM	999	7.5	95	50	Yes		EZM
1WTRE	WISDOMTREE NEW ECONOMY REAL ESTATE	WTRE	999	5.0	95	95	Yes		WTRE
1DES	WISDOMTREE SMALL CAP DIVIDEND	DES	999	7.5	95	95	Yes		DES
1EES	WISDOMTREE SMALLCAP EARNINGS F	EES	999	7.5	95	50	Yes		EES
1DTD	WISDOMTREE TOTAL DIVIDEND FUND	DTD	999	5.0	95	50	Yes		DTD
1AGGY	WISDOMTREE TRBRCLYS US AGGR	AGGY	999	5.0	95	95	Yes		AGGY
1WCLD	WISDOMTREE TRCLOUD COMPUTNG	WCLD	999	5.0	95	95	Yes		WCLD
1WCBR	WISDOMTREE TRCYBERSECURITY FD	WCBR	999	5.0	95	95	Yes		WCBR
1DGRS	WISDOMTREE TRUS S CAP DIV GRW	DGRS	999	7.5	95	50	Yes		DGRS

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1WTV	WISDOMTREE TRWISDOMTREE US VA	WTV	999	5.0	95	50	Yes		WTV
1USMF	WISDOMTREE U.S. MULTIFACTOR FUND	USMF	999	5.0	95	50	Yes		USMF
1AIVL	WISDOMTREE US AI ENHANCED VALUE FUND	AIVL	999	5.0	95	50	Yes		AIVL
1DGRW	WISDOMTREE US DIVIDEND GROWTHT INDEX	DGRW	999	5.0	95	50	Yes		DGRW
1HAUZ	XTRACKERS INTERNATIONAL REAL EST	HAUZ	999	5.0	95	95	Yes		HAUZ
10373	1-5 YR US TIPS INDEX FUND	00373	173	5.0	95	95	Yes		STPZ
10371	15+ YR US TIPS INDEX FUND	00371	171	5.0	95	95	Yes		LTPZ
10340	25+ YR ZERO COUPON US TREAS FUND	00340	140	5.0	95	95	Yes		ZROZ, GOVZ
1PRNT	3D PRINTING ETF	PRNT	999	7.5	95	95	Yes		PRNT