

# CCCAGG Constituent Review January 2023

Date of review: 2023-01-10

Expected date of implementation 2023-02-21

## Markets to be included

exchange	fsym	tsym	grade	reason
Coinbase	ANT	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Bitfinex	BTC	TRY	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	CTSI	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	CTSI	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	EGLD	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	EOS	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	FET	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	GHST	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	MASK	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	RAD	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	RAD	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Kraken	SHIB	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Kraken	ACH	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	AE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	AGI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	AGLD	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Upbit	AGLD	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	AGLD	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	ALI	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ALICE	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ALICE	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	ALICE	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	ALICE	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	ALPHA	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ANC	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ANC	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	ANC	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	APE	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	API3	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	AR	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	ARMOR	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	ARPA	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	ARPA	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	ARPA	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ASTR	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	ASTR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ASTR	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ASTR	ETH	A	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Gateio	ASTR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	ASTR	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	ASTR	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	ASTR	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	ASTR	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	ATM	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	AUCTION	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	AUCTION	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	AUDIO	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	AURORA	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	AUTO	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	AUTO	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	AVAX	GBP	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	AXL	WETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BAKE	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	BAN	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	BDP	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BEL	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	BEL	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BETA	USD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	BICO	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed

cryptodotcom	BIFI	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	BLZ	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	BLZ	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	BORA	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	BOSON	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BSW	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BSW	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BSW	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	BSW	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	BSW	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bequant	BTC	TUSD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	AED	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	AUD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	BUSD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	CAD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	CHF	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	EUR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	EUR	B	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
btse	BTSE	GBP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	GBP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	HKD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	INR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	JPY	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	MYR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	SGD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	USD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BTSE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BURGER	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BUSD	RON	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	C98	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	C98	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	C98	BRL	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	C98	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bithumb	C98	KRW	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	C98	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	C98	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	C98	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed

cryptodotcom	C98	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	C98	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	C98	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	C98	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	C98	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	C98	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	C98	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	C98	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	C98	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	C98	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	C98	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	C98	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	C98	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	C98	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	C98	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	C98	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	C98	WETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	CARD	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	CEEK	BNB	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	CEEK	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	CEEK	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	CELR	USD	A	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Kraken	CELR	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	CELR	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	CHESS	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	CHR	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	CHR	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	CHR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	CKB	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	CKB	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	CKB	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	CLV	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	CLV	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	CLV	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	CLV	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	CLV	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	CLV	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	CLV	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	CLV	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
paribu	CLV	TRY	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	CLV	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	COTI	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	CPC	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed

LAToken	CQT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	CSPR	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	CSPR	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	CSPR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	CSPR	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	CSPR	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	CSPR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	CSPR	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	CSPR	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	CSPR	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	CTK	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	CVC	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	CVX	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	CVX	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	CVX	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	CVX	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	DAR	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	DAR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	DAR	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	DAR	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	DAR	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	DAR	USD	BB	Illiquid pair Price Stability and



				Liquidity Ratio conditions passed
Binance	DEGO	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	DENT	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	DEP	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	DESO	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	DF	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
coinfield	DGB	EUR	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	DIA	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	DIA	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	DIA	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	DIA	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	DIA	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	DIA	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	DREP	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	DUSK	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	DUSK	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	DVP	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	ECOX	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
P2PB2B	ECTE	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	EFI	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ENS	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bequant	EOS	EURS	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed

cryptodotcom	EPX	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	EPX	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	ESS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
ZBG	ETH	QC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bequant	ETH	TUSD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	ETHW	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	ETHW	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	EUL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	EUL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
P2PB2B	EWT	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	FARM	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	FARM	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	FCT	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	FET	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	FET	EUR	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	FIDA	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	FIL	HITBTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	FIS	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	FITFI	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	FLM	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	FLM	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	FLOKI	USDC	BB	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Binance	FLOW	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	FLUX	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	FLUX	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	FLUX	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	FOAM	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	FOR	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	FSN	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	FTM	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	FTM	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	FTM	EUR	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	FTT	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	FX	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	FXS	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	FXS	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	GRS	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	HAI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	HARD	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	HARD	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	HBAR	EUR	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	HERO	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	HIGH	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed

cryptodotcom	HIGH	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	HNT	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	HNT	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	HNT	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	HNT	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	HNT	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	HNT	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	HOT	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Upbit	HUM	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ICP	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ICP	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	ICP	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	ILC	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	IMX	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	IMX	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	ING	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	ING	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	IPX	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	IPX	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	IPX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	JASMY	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	JASMY	EUR	A	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Binance	JASMY	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	JOE	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitfinex	JST	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	KCS	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	KCS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	KDA	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	KEY	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
P2PB2B	KEY	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	KEY	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	KEY	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	KEY	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	KEY	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	KEY	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	KEY	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	KLAY	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	KLAY	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	KLV	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	KP3R	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	KP3R	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	KP3R	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	KP3R	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Binance	LINK	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	LIT	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	LIT	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	LIT	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	LOKA	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	LOKA	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	LOKA	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	LRC	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bequant	LTC	EURS	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	LTO	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	LUFFY	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	LUNC	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bequant	LUNC	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	LUNC	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	MASK	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Upbit	MASK	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	MASK	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	MBL	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	MBL	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	MBOX	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	MDA	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	MDT	ETH	BB	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Coinbase	METIS	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	MIC	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	MIC	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	MIM	USDC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	MIM	WETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	MINA	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	MLN	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	MNZ	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	MNZ	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	MOB	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	MOB	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	MR	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	MR	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	MR	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	MT	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	MTL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	MUSE	WETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	MXC	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	MXC	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	MXC	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	MXC	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Kraken	NEAR	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	NEAR	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	NEAR	EUR	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	NEBL	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	NEBL	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	NEBL	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	NEST	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	NEST	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	NEST	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	NII	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	NKN	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	NKN	GBP	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	NMC	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BTCTurk	NU	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	NYM	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	NYM	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	OAX	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	OCN	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ONE	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	OOKI	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	ORBS	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	ORBS	IDR	B	Illiquid pair Price Stability and



				Liquidity Ratio conditions passed
Kucoin	OXEN	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	OXT	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
paribu	OXT	TRY	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PERP	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	PERP	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	PHA	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PHB	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PHB	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	PHB	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PHB	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	PHB	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	PIT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PLA	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitTrex	PLAC	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	PLTC	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PNT	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BTCTurk	POLY	TRY	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	POND	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	POWR	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	POWR	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	POWR	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed

cryptodotcom	POWR	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	PRO	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PROM	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PROPS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	PUNDIX	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	PUNDIX	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PUNDIX	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PUNDIX	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PUNDIX	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PUNDIX	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PUNDIX	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bithumb	PUNDIX	KRW	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Upbit	PUNDIX	KRW	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	PUNDIX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	PUNDIX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	PUNDIX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	PUNDIX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	PUNDIX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PUNDIX	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PUNDIX	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	PUNDIX	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	PUNDIX	USDT	BB	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Binance	PUNDIX	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PUNDIX	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	PUNDIX	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PYR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	PYR	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	PYR	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	PYR	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	PYR	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	PYR	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	PZM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	QI	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	QKC	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	QKC	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	QNT	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	QNT	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	QUICK	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	RAD	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	RAD	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	RARE	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	RARI	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	RAY	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Upbit	RAY	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	RAY	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitTrex	RDD	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	RDN	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	REEF	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	RLC	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	RLY	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	RLY	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ROSE	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ROSE	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	ROSE	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	RPL	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	RPL	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	RPL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	RPL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	RPL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	RPL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	SHIB	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	SHIB	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	SHIB	EUR	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	SHIB	GBP	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	SHIB	GBP	A	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
CoinJar	SHIB	GBP	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	SKL	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	SKM	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	SLP	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	SLP	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	SLP	EUR	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	SLP	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	SLP	USD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	SLP	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	SPELL	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	SPELL	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	SSP	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	SSP	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	SSV	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	SSV	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	STG	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	STRAX	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	STRAX	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	STRAX	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	STX	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	SUPER	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed

LAToken	SWTH	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	SYM	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	TFUEL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	TFUEL	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	TLM	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	TLM	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	TLM	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	TLM	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
paribu	TLM	TRY	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	TLM	TRY	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	TLM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	TLM	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	TLM	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	TLM	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	TLM	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	TLM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	TLM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	TLM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	TLM	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	TLM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	TLM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	TLM	USDT	B	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Binance	TLM	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
dcoin	TLM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	TLM	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	TLM	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	TLM	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	TON	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	TONE	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	TORN	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	TRB	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	TROY	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	TRU	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	TRU	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	TRU	RUB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	TRU	TUSD	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	TRU	WETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	TT	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	TVK	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Cexio	TWT	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	UBT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	UIP	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	UNFI	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Kraken	UNFI	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	UNI	GBP	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	UUU	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	VET	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bitpanda	VET	EUR	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	VET	GBP	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	VGX	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	VGX	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	VGX	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	VGX	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	VIB	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	VITE	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	VITE	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	VOXEL	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	VOXEL	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	VOXEL	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	VRA	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	VRA	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	VRA	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	VRA	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	VTHO	USD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	WAXP	BNB	A	Illiquid pair Price Stability and



				Liquidity Ratio conditions passed
Gateio	WIKEN	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	WIN	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	WOM	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	WOM	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	WOO	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	WRX	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	XCH	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	XEC	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bithumb	XEC	KRW	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Upbit	XEC	KRW	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinone	XEC	KRW	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XEC	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XMR	GBP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	XMN	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bequant	XRP	EURS	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	XVS	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	YGG	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	YGG	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	ZYN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed

## Markets to be excluded

exchange	fsym	tsym	grade	reason
BitTrex	1INCH	ETH	BB	Liquid pair Price Difference condition failed
OKCoin	AAVE	USD	BB	Liquid pair Price Difference condition failed
OKCoin	ADA	USD	BB	Liquid pair Price Difference condition failed
OKCoin	ALGO	USD	BB	Liquid pair Price Difference condition failed
OKCoin	APE	USD	BB	Liquid pair Price Difference condition failed
OKCoin	AVAX	USD	BB	Liquid pair Price Difference condition failed
OKCoin	AXS	USD	BB	Liquid pair Price Difference condition failed
HitBTC	BADGER	BTC	B	Liquid pair Price Difference condition failed
Bibox	BAT	BTC	B	Liquid pair Price Difference condition failed
Bibox	BSV	BTC	B	Liquid pair Price Difference condition failed
Bibox	BSV	USDT	B	Liquid pair Price Difference condition failed
BitTrex	BSV	BTC	BB	Liquid pair Price Difference condition failed
OKCoin	CELO	USD	BB	Liquid pair Price Difference condition failed
HitBTC	CHR	BTC	B	Liquid pair Price Difference condition failed
OKCoin	CHZ	USD	BB	Liquid pair Price Difference condition failed
Binance	CVC	USDT	A	Liquid pair Price Difference condition failed
Cexio	CVC	USD	A	Liquid pair Price Difference condition failed
OKCoin	DOGE	USD	BB	Liquid pair Price Difference condition failed
OKCoin	DOT	USD	BB	Liquid pair Price Difference condition failed
OKCoin	EGLD	USD	BB	Liquid pair Price Difference

				condition failed
OKCoin	ENJ	USD	BB	Liquid pair Price Difference condition failed
OKCoin	ENS	USD	BB	Liquid pair Price Difference condition failed
OKCoin	FLOW	USD	BB	Liquid pair Price Difference condition failed
StocksExchange	FLUX	BTC	C	Liquid pair Price Difference condition failed
OKCoin	GALA	USD	BB	Liquid pair Price Difference condition failed
HuobiPro	GLM	BTC	BB	Liquid pair Price Difference condition failed
Upbit	GLM	BTC	BB	Liquid pair Price Difference condition failed
Cexio	HOT	USDT	A	Liquid pair Price Difference condition failed
Bitstamp	IMX	USD	AA	Liquid pair Price Difference condition failed
huobijapan	IOST	ETH	BB	Liquid pair Price Difference condition failed
HuobiPro	IOST	ETH	BB	Liquid pair Price Difference condition failed
Gateio	KNC	ETH	BB	Liquid pair Price Difference condition failed
OKCoin	LINK	USD	BB	Liquid pair Price Difference condition failed
HitBTC	LSK	ETH	B	Liquid pair Price Difference condition failed
OKCoin	LTC	USD	BB	Liquid pair Price Difference condition failed
OKCoin	MANA	USD	BB	Liquid pair Price Difference condition failed
OKCoin	MATIC	USD	BB	Liquid pair Price Difference condition failed
Bitfinex	MIR	USDT	A	Liquid pair Price Difference condition failed
HitBTC	MITH	BTC	B	Liquid pair Price Difference condition failed
HitBTC	MITH	USDT	B	Liquid pair Price Difference condition failed
OKCoin	MKR	USD	BB	Liquid pair Price Difference condition failed

OKCoin	NEAR	USD	BB	Liquid pair Price Difference condition failed
HuobiPro	OMG	BTC	BB	Liquid pair Price Difference condition failed
HitBTC	ONT	ETH	B	Liquid pair Price Difference condition failed
HuobiPro	OP	USDC	BB	Liquid pair Price Difference condition failed
Bibox	QTUM	ETH	B	Liquid pair Price Difference condition failed
Bitfinex	QTUM	BTC	A	Liquid pair Price Difference condition failed
BitTrex	REN	BTC	BB	Liquid pair Price Difference condition failed
LAToken	SNT	BTC	B	Liquid pair Price Difference condition failed
OKCoin	SNX	USD	BB	Liquid pair Price Difference condition failed
OKCoin	SOL	USD	BB	Liquid pair Price Difference condition failed
OKCoin	SPELL	USD	BB	Liquid pair Price Difference condition failed
Bibox	SRM	USDT	B	Liquid pair Price Difference condition failed
HitBTC	SRM	BTC	B	Liquid pair Price Difference condition failed
OKCoin	STX	BTC	BB	Liquid pair Price Difference condition failed
OKCoin	STX	USD	BB	Liquid pair Price Difference condition failed
OKCoin	SUSHI	USD	BB	Liquid pair Price Difference condition failed
HitBTC	SXP	BTC	B	Liquid pair Price Difference condition failed
Cexio	UMA	USD	A	Liquid pair Price Difference condition failed
OKCoin	UNI	USD	BB	Liquid pair Price Difference condition failed
bithumbglobal	USDT	RUB	B	Liquid pair Price Difference condition failed
Bibox	USTC	USDT	B	Liquid pair Price Difference condition failed
HuobiPro	WAVES	ETH	BB	Liquid pair Price Difference

				condition failed
HitBTC	WAXP	BTC	B	Liquid pair Price Difference condition failed
HitBTC	WAXP	ETH	B	Liquid pair Price Difference condition failed
HitBTC	WAXP	USDT	B	Liquid pair Price Difference condition failed
Cexio	XLM	BTC	A	Liquid pair Price Difference condition failed
OKEX	XLM	BTC	BB	Liquid pair Price Difference condition failed
Upbit	XLM	BTC	BB	Liquid pair Price Difference condition failed
Cexio	XTZ	USDT	A	Liquid pair Price Difference condition failed
OKCoin	XTZ	USD	BB	Liquid pair Price Difference condition failed
Cexio	YFI	USDT	A	Liquid pair Price Difference condition failed
OKCoin	YFI	USD	BB	Liquid pair Price Difference condition failed
OKCoin	ZEN	USD	BB	Liquid pair Price Difference condition failed
BitTrex	ADABULL	USDT	BB	Removed due to zero volume
cryptodotcom	AKT	USDT	BB	Removed due to zero volume
cryptodotcom	ALI	USDT	BB	Removed due to zero volume
BitMart	APL	BTC	B	Removed due to zero volume
BitMart	APL	ETH	B	Removed due to zero volume
Binance	ARK	BTC	A	Removed due to zero volume
bkex	AST	BTC	C	Removed due to zero volume
LBank	ASTO	USDT	C	Removed due to zero volume
OKCoin	ASTR	USD	BB	Removed due to zero volume
CoinJar	BAT	BTC	BB	Removed due to zero volume
HuobiPro	BAT	BTC	BB	Removed due to zero volume
bequant	BCUG	ETH	BB	Removed due to zero volume
Gateio	BCUG	ETH	BB	Removed due to zero volume
Binance	BEAM	BTC	A	Removed due to zero volume
Kuna	BNB	UAH	C	Removed due to zero volume
pancakeswap	BNX	BUSD	B	Removed due to zero volume
cryptodotcom	BOND	USDT	BB	Removed due to zero volume

bkex	BONDLY	USDT	C	Removed due to zero volume
cryptodotcom	BRZ	USDT	BB	Removed due to zero volume
ftxus	BRZ	USDT	BB	Removed due to zero volume
bkex	BSCPAD	USDT	C	Removed due to zero volume
BitMart	BTC	USDP	B	Removed due to zero volume
Binance	BTCST	USDT	A	Removed due to zero volume
Binance	BTG	BTC	A	Removed due to zero volume
Binance	BTG	USDT	A	Removed due to zero volume
Bitstamp	CEL	USD	AA	Removed due to zero volume
bkex	CET	USDT	C	Removed due to zero volume
BitTrex	CGT	USDT	BB	Removed due to zero volume
OKCoin	COMP	USD	BB	Removed due to zero volume
bkex	CQT	USDT	C	Removed due to zero volume
bithumbglobal	CRO	BTC	B	Removed due to zero volume
bithumbglobal	CRO	ETH	B	Removed due to zero volume
HuobiPro	CRO	BTC	BB	Removed due to zero volume
HuobiPro	CRO	USDT	BB	Removed due to zero volume
cryptodotcom	CRPT	USDT	BB	Removed due to zero volume
CoinEx	DEP	USDT	B	Removed due to zero volume
StocksExchange	DERO	BTC	C	Removed due to zero volume
bkex	DHT	USDT	C	Removed due to zero volume
HuobiPro	EKO	BTC	BB	Removed due to zero volume
LBank	EKTA	USDT	C	Removed due to zero volume
HitBTC	ELEC	ETH	B	Removed due to zero volume
HitBTC	ELEC	USDT	B	Removed due to zero volume
HitBTC	ENS	BTC	B	Removed due to zero volume
bitpanda	EOS	EUR	BB	Removed due to zero volume
Poloniex	EOSBEAR	USDT	C	Removed due to zero volume
Poloniex	EOSBULL	USDT	C	Removed due to zero volume
cryptonex	ETH	BRL	-	Removed due to zero volume
Liquid	ETH	SGD	BB	Removed due to zero volume
Poloniex	ETHBEAR	USDT	C	Removed due to zero volume
BitTrex	ETHBULL	USDT	BB	Removed due to zero volume
Poloniex	ETHBULL	USDT	C	Removed due to zero volume
Binance	FTT	BTC	A	Removed due to zero volume
Binance	FTT	USDT	A	Removed due to zero volume

Bitfinex	FTT	USD	A	Removed due to zero volume
Bitfinex	FTT	USDT	A	Removed due to zero volume
Bitstamp	FTT	USD	AA	Removed due to zero volume
CoinEx	FTT	BTC	B	Removed due to zero volume
BitMart	GARI	USDT	B	Removed due to zero volume
LBank	GOF	USDT	C	Removed due to zero volume
Binance	GTO	BTC	A	Removed due to zero volume
Binance	GTO	USDT	A	Removed due to zero volume
bkex	HNT	USDT	C	Removed due to zero volume
OKCoin	ICP	USD	BB	Removed due to zero volume
BitMart	INDI	USDT	B	Removed due to zero volume
Poloniex	JFI	USDT	C	Removed due to zero volume
bkex	KRL	USDT	C	Removed due to zero volume
cryptodotcom	KRL	USDT	BB	Removed due to zero volume
ftxus	KSHIB	USD	BB	Removed due to zero volume
OKCoin	LRC	USD	BB	Removed due to zero volume
Bitfinex	MIOTA	EUR	A	Removed due to zero volume
Binance	MITH	BTC	A	Removed due to zero volume
Bitfinex	MLN	ETH	A	Removed due to zero volume
HuobiPro	MLN	BTC	BB	Removed due to zero volume
CoinEx	MNGO	USDT	B	Removed due to zero volume
BitMart	MON	USDT	B	Removed due to zero volume
BitMart	MPLX	USDT	B	Removed due to zero volume
aax	MULTI	USDT	BB	Removed due to zero volume
cryptodotcom	MULTI	BTC	BB	Removed due to zero volume
CoinEx	NBS	BTC	B	Removed due to zero volume
CoinEx	NBS	USDT	B	Removed due to zero volume
HuobiPro	NCC	BTC	BB	Removed due to zero volume
HitBTC	NEAR	ETH	B	Removed due to zero volume
Bibox	NEO	ETH	B	Removed due to zero volume
BitMart	O3	USDT	B	Removed due to zero volume
HuobiPro	OCN	USDT	BB	Removed due to zero volume
Binance	PNT	BTC	A	Removed due to zero volume
BitMart	POLY	USDT	B	Removed due to zero volume
Gateio	RED	USDT	BB	Removed due to zero volume
Binance	REP	BTC	A	Removed due to zero volume

binanceusa	REP	USD	A	Removed due to zero volume
BitMart	REP	BTC	B	Removed due to zero volume
bkex	RING	USDT	C	Removed due to zero volume
Gateio	ROOK	ETH	BB	Removed due to zero volume
Gateio	ROOK	USDT	BB	Removed due to zero volume
aax	SAMO	USDT	BB	Removed due to zero volume
BitTrex	SBD	BTC	BB	Removed due to zero volume
HitBTC	SBD	BTC	B	Removed due to zero volume
LBank	SD	USDT	C	Removed due to zero volume
cryptodotcom	SDN	USDT	BB	Removed due to zero volume
HuobiPro	SKL	BTC	BB	Removed due to zero volume
OKEX	SNM	USDT	BB	Removed due to zero volume
Binance	SRM	BTC	A	Removed due to zero volume
Binance	SRM	USDT	A	Removed due to zero volume
bitpanda	SRM	EUR	BB	Removed due to zero volume
btse	SRM	ETH	B	Removed due to zero volume
P2PB2B	SRM	USD	B	Removed due to zero volume
HuobiPro	SRN	BTC	BB	Removed due to zero volume
OKCoin	STX	USDT	BB	Removed due to zero volume
bithumbglobal	SXP	BTC	B	Removed due to zero volume
bkex	TRAC	BTC	C	Removed due to zero volume
Binance	TRIBE	USDT	A	Removed due to zero volume
bkex	TRIBE	USDT	C	Removed due to zero volume
Liquid	USDT	SGD	BB	Removed due to zero volume
bithumbglobal	VALUE	USDT	B	Removed due to zero volume
Binance	VGX	ETH	A	Removed due to zero volume
BitMart	VITE	USDT	B	Removed due to zero volume
Graviex	VRSC	BTC	C	Removed due to zero volume
HuobiPro	VVS	USDT	BB	Removed due to zero volume
DigiFinex	XCN	BTC	B	Removed due to zero volume
DigiFinex	XCN	ETH	B	Removed due to zero volume
Binance	XEM	BTC	A	Removed due to zero volume
CoinJar	XLM	BTC	BB	Removed due to zero volume
Liquid	XNO	USDT	BB	Removed due to zero volume
Gateio	XRPBULL	USDT	BB	Removed due to zero volume
CoinJar	ZRX	BTC	BB	Removed due to zero volume



## CCCAGG Benchmark Family Markets to be excluded next month

Expected implementation date: 2023-02-21

exchange	fsym	tsym	grade	reason
BitTrex	1INCH	ETH	BB	Liquid pair Price Difference condition failed
HitBTC	BADGER	BTC	B	Liquid pair Price Difference condition failed
Bibox	BSV	BTC	B	Liquid pair Price Difference condition failed
OKCoin	CELO	USD	BB	Liquid pair Price Difference condition failed
Cexio	CVC	USD	A	Liquid pair Price Difference condition failed
OKCoin	FLOW	USD	BB	Liquid pair Price Difference condition failed
StocksExchange	FLUX	BTC	C	Liquid pair Price Difference condition failed
Bitstamp	IMX	USD	AA	Liquid pair Price Difference condition failed
Gateio	KNC	ETH	BB	Liquid pair Price Difference condition failed
HitBTC	MITH	BTC	B	Liquid pair Price Difference condition failed
HitBTC	ONT	ETH	B	Liquid pair Price Difference condition failed
HuobiPro	OP	USDC	BB	Liquid pair Price Difference condition failed
OKCoin	SPELL	USD	BB	Liquid pair Price Difference condition failed
OKCoin	STX	USD	BB	Liquid pair Price Difference condition failed
Bibox	USTC	USDT	B	Liquid pair Price Difference condition failed
HuobiPro	WAVES	ETH	BB	Liquid pair Price Difference condition failed
HitBTC	WAXP	ETH	B	Liquid pair Price Difference condition failed

OKCoin	ZEN	USD	BB	Liquid pair Price Difference condition failed
Binance	ARK	BTC	A	Removed due to zero volume
HitBTC	ENS	BTC	B	Removed due to zero volume
Binance	FTT	BTC	A	Removed due to zero volume
binanceusa	REP	USD	A	Removed due to zero volume
P2PB2B	SRM	USD	B	Removed due to zero volume