

CCCAGG Constituent Review November 2022

Date of review: 2022-11-08

Expected date of implementation 2022-12-20

Markets to be included

exchange	fsym	tsym	grade	reason
binanceusa	1INCH	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	1INCH	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	2KEY	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	AAA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	AAVE	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	AAVE	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	ACH	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	ACH	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	ACH	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	ADA	BUSD	A	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	AE	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	ALBT	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	ALGO	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
HuobiPro	ALGO	HUSD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ALPACA	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	ALPACA	BUSD	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Binance	ALPACA	BTC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	AMB	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	AMPL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	ANGLE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	ANT	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	API3	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	API3	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Bitfinex	APT	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Binance	APT	EUR	A	Liquid pair Price Difference and Price Impact conditions passed
uniswapv3	ARCX	WETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	ARMOR	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	ARV	WBNB	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	ASTR	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	ASTR	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Kraken	ATOM	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	ATOM	BTC	A	Liquid pair Price Difference and Price Impact conditions passed
Poloniex	AVA	TRX	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	AVAX	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Kraken	AVAX	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	AVAX	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	AVAX	BTC	A	Liquid pair Price Difference and Price Impact conditions passed
uniswapv3	AVT	WETH	A	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
binanceusa	AXS	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	AXS	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Kucoin	BAX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	BCOIN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	BEPRO	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	BICO	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	BMI	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	BNT	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Bithumb	BOBA	KRW	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	BOBA	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BOND	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BOND	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	BOND	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	BOND	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	BOND	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	BOND	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	BOND	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	BOND	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	BOND	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	BOND	ETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	BOND	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Kraken	BOND	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	BOND	USDC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	BOND	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	BSCPAD	BNB	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bullish	BTC	USD	A	Liquid pair Price Difference and Price Impact conditions passed
lmax	BTC	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	BTC	USDC	A	Liquid pair Price Difference and Price Impact conditions passed
bitbuy	BTC	CAD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	BTC	RUB	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	BTCV	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	BTRST	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	BTS	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	BUSD	WAM	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	BUSD	ALGOBLK	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	BUSD	WZRD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	BUSD	TPT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	BUSD	POG	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	BUSD	GQ	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	CELL	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	CELO	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	CELO	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	CELR	USDT	A	Liquid pair Price Difference and

				Price Impact conditions passed
CoinEx	CFG	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	CGG	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	CHESS	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	CHZ	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	CHZ	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	COMP	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	CONT	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	CONT	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	COTI	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Bibox	CPC	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	CRV	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	CRV	USD	A	Liquid pair Price Difference and Price Impact conditions passed
HuobiPro	CRV	HUSD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	CWS	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	DAI	FRAX	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	DAI	RAIL	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	DAI	WSTETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	DAI	COREDA O	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	DAO	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	DDX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	DDX	USDC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed

sushiswap	DDX	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	DG	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	DGB	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	DGB	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	DHV	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	DMTR	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	DMTR	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
StocksExchange	DOGE	LTC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	DOGE	HUSD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	DOT	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	DOT	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Bitstamp	DOT	USD	AA	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	DOT	BTC	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	DVI	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	DX	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	EDEN	WETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	EMC	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	ENS	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	ENS	USD	A	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	ERG	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bullish	ETH	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	ETH	USDC	A	Liquid pair Price Difference and

				Price Impact conditions passed
bitbuy	ETH	CAD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	ETH	SUSHI	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitfinex	ETHW	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	ETN	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kuna	EVER	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
P2PB2B	EWT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	EWT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
P2PB2B	EWT	BUSD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	EWT	WETH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	EXRD	USDC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
timex	FBX	USDC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	FCL	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Upbit	FCT	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	FET	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	FIL	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	FIL	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Gateio	FIO	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	FLOW	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	FLUX	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
uniswapv3	FORT	USDC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	FORTH	USDT	A	Liquid pair Price Difference and Price Impact conditions passed

binanceusa	FORTH	USD	A	Liquid pair Price Difference and Price Impact conditions passed
uniswapv3	FRAX	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	FRAX	USDC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	FRAX	USDC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	FREE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	FREE	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	FREE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
aax	FREE	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	FREE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	FRM	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	FSN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	FST	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	FSW	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	FTM	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	FTM	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	GALA	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Kucoin	GARI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	GARI	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	GARI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	GARI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	GARI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	GF	USDC	C	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
binanceusa	GRT	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	GRT	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	GTC	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	HBAR	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	HBAR	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	HEGIC	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	HEX	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	HEZ	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	HVN	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	ICP	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	ICP	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	ID	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	IGNIS	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	ILV	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	IMX	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	INDEX	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	INSUR	USDC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	ISP	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	JASMY	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	JASMY	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Gateio	JFI	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed

bilaxy	JUP	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	KAR	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	KDA	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
uniswapv3	KEEP	T	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	KIN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	KP3R	LDO	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	KSM	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	KUMA	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	LAYER	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	LCX	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	LDO	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	LDO	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	LIEN	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	LINK	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	LINK	BTC	A	Liquid pair Price Difference and Price Impact conditions passed
uniswapv3	LINK	USDC	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	LPT	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BTCTurk	LPT	TRY	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
paribu	LPT	TRY	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BTCTurk	LPT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	LPT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	LPT	USDT	A	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
BitMart	LPT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitTrex	LPT	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	LPT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	LPT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	LPT	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	LPT	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	LPT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	LPT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	LPT	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
aax	LPT	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	LPT	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	LPT	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	LPT	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	LPT	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	LPT	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	LPT	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	LPT	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	LRC	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	LSK	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
LBank	LUFFY	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	LUNC	USDT	A	Liquid pair Price Difference and Price Impact conditions passed

Bitfinex	LUNC	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
BitMart	LYXE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	LYXE	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	MANA	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
BitMart	MATH	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	MATH	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	MATIC	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	MATIC	BTC	A	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	MNGO	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	MOD	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	MPL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	MPL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	MPL	USDC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	MPLX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	MPLX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	MUSE	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	NANO	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	NEAR	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	NEAR	BUSD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	NFTX	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	NMR	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	NMR	USD	A	Liquid pair Price Difference and

				Price Impact conditions passed
bilaxy	NOIA	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BTCTurk	NU	TRY	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	OCEAN	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	OCEAN	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Bibox	OLT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	OOE	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	OOE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	OOE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	OP	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
pancakeswap	OPUL	BUSD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	ORCA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	ORN	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	PAID	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	PBR	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	PERL	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	PNG	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	PNK	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	POLC	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	POLC	WBNB	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	POLK	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	POLK	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Binance	POLS	BNB	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	POLS	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	POND	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	POND	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	POND	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	POND	USDT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	POND	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	POND	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	POND	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	POND	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	POND	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	POND	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	POND	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	POND	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	POND	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	POND	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	POND	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	POSI	BUSD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	RARE	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	RARE	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	RARE	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Bitforex	RARI	USDT	C	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Gateio	RARI	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	RARI	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	RARI	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	RARI	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	RBN	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	RBN	USDC	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	REEF	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	REEF	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	REN	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	REQ	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	REQ	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	RFOX	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	RLC	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	RLC	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	RNDR	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	RNDR	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	ROOK	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	ROSE	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	RPL	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	SAITAMA	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	SAITAMA	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed

OKEX	SAITAMA	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	SBR	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	SCRT	BTC	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	SCRT	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	SCRT	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	SCRT	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	SDN	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	SHIB	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SHIB	BUSD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	SHR	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	SIN	BUSD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	SKL	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SKL	USD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SLP	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Binance	SNM	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	SNX	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SNX	USD	A	Liquid pair Price Difference and Price Impact conditions passed
OKEX	SOC	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	SOL	USD	AA	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SOL	BUSD	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SOL	BTC	A	Liquid pair Price Difference and Price Impact conditions passed
Gateio	SOLA	USDT	BB	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
binanceusa	SPELL	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	SRK	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	SRM	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SRM	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Binance	SSV	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	STPT	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	STRP	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitfinex	SUN	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SUSHI	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	SUSHI	USD	A	Liquid pair Price Difference and Price Impact conditions passed
sushiswap	SUSHI	FRAX	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	SYS	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
pancakeswap	TFT	BUSD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	TFUEL	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	THETA	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
binanceusa	THETA	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	TONE	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	TRIAS	BUSD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	TRIBE	BUSD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	TRIBE	EUR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	TRX	USDT	A	Liquid pair Price Difference and Price Impact conditions passed

binanceusa	TRX	USD	A	Liquid pair Price Difference and Price Impact conditions passed
uniswapv3	TUSD	USDC	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	UBT	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	ULTRA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	ULTRA	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	ULTRA	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
probit	UQC	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	USDC	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
pancakeswap	USDC	WNK	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	USDC	ENTR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	USDC	CQT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	USDC	STANDARD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	USDC	TSUKA	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	USDC	SWEAT	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	USDC	NCR	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	USDC	LOOKS	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	USDC	OSQTH	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	USDC	GF	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	USDC	HOP	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	USDT	BRL	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bithumbglobal	USDT	RUB	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	USDT	RUB	BB	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
pancakeswap	USDT	SB	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	PHL	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	MRHB	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	NT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	TFS	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	KUNCI	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	DEBT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	XWG	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	FBX	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	ANTEX	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	CGU	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	BABYDO GE	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	SGLY	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	ZAM	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
pancakeswap	USDT	LGX	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	USDT	DVF	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	USDT	PAD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	VELO	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	VET	BTC	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	VSP	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	WAXP	USD	A	Liquid pair Price Difference and Price Impact conditions passed

binanceusa	WBTC	BTC	A	Liquid pair Price Difference and Price Impact conditions passed
sushiswap	WBTC	BADGER	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	WEST	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	WEST	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	IMX	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	ALCX	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	GRT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	RARI	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	AMPL	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	CRV	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	ENS	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	WETH	ENS	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	ROOK	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	SUPER	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	BICO	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	COTI	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
sushiswap	WETH	GODS	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
uniswapv3	WETH	GODS	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	XED	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XED	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	XRT	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XVG	USDC	B	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
LAToken	XYM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	XYO	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
binanceusa	YFI	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bilaxy	YIELD	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bilaxy	ZEE	ETH	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	ZENITH	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed

exchange	fsym	tsym	grade	reason
ftx	BTC	USD	A	Liquid pair Price Difference and Price Impact conditions passed
OKCoin	USDC	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
ftx	ETH	JPY	A	Liquid pair Price Difference and Price Impact conditions passed
ftx	BTC	JPY	A	Liquid pair Price Difference and Price Impact conditions passed
OKCoin	XLM	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	NEAR	USDT	AA	Liquid pair Price Difference and Price Impact conditions passed
Binance	APE	USDT	AA	Liquid pair Price Difference and Price Impact conditions passed
ftx	ALGO	USDT	A	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	JASMY	USDT	AA	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	ERN	USDT	AA	Liquid pair Price Difference and Price Impact conditions passed
ftx	LTC	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Kraken	WBTC	BTC	A	Liquid pair Price Difference and Price Impact conditions passed

Binance	BTC	ZAR	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	BNB	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinsbit	BNB	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	BNB	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKCoin	STMX	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Poloniex	JST	USDD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	SOL	EUR	AA	Liquid pair Price Difference and Price Impact conditions passed
Poloniex	NFT	USDD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Korbit	BORA	KRW	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	REQ	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Bitstamp	DOT	EUR	AA	Liquid pair Price Difference and Price Impact conditions passed
Kraken	TRU	USD	A	Liquid pair Price Difference and Price Impact conditions passed
Binance	ANKR	TRY	AA	Liquid pair Price Difference and Price Impact conditions passed
Binance	ETH	ZAR	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	OCEAN	USD	AA	Liquid pair Price Difference and Price Impact conditions passed
Binance	STG	USDT	AA	Liquid pair Price Difference and Price Impact conditions passed
Kraken	TLM	USD	A	Liquid pair Price Difference and Price Impact conditions passed
HuobiPro	KOK	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	BOBA	USD	A	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	RPL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitstamp	NEAR	USD	AA	Liquid pair Price Difference and Price Impact conditions passed
Coinbase	NEAR	USD	AA	Liquid pair Price Difference and

				Price Impact conditions passed
CoinEx	PNK	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	MBL	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	MBL	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	GNO	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	GNO	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	EUL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	TRIBE	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bithumbglobal	WOZX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	WAN	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	DFI	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	PBR	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	XNO	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	POL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	POKT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Zaif	XYM	JPY	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	GMTT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	IRIS	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	PUNDIX	USD	AA	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	RBN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	FOX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitso	BTC	COP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Bitso	BTC	COP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	ALBT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	ALEPH	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	ARX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	HEX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	AURORA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	USD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	YFI	ETH	A	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	SRK	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	NRG	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	PRE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	EDEN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	TIME	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XPRT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	CWS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	TRAC	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	CRU	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	FUND	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	PHNX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	DDX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	XYM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	SHX	USDT	B	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
CoinEx	CWAR	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	NIM	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEEX	XAUT	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	OXEN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XHV	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	SLC	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	ATLAS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	ATLAS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	ATLAS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	PSP	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	ETN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	OLT	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	DERO	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	SHA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinbase	INJ	USD	AA	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	NIM	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bithumb	KSM	KRW	A	Liquid pair Price Difference and Price Impact conditions passed
CoinEx	KAN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	HNS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	OXEN	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	REVV	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Bibox	BDP	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	BDP	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	OP	ETH	AA	Liquid pair Price Difference and Price Impact conditions passed
HitBTC	EFI	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	VTC	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	KUB	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	KUB	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	KUB	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	GUM	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	INDEX	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	INDI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	INDI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	INDI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	DERO	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	SBR	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	HNS	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	MUSE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	MUSE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	STRP	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	UNFI	ETH	AA	Liquid pair Price Difference and Price Impact conditions passed
btse	XAUT	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	BTC	B	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
CoinEx	NSBT	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	VVS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	WING	ETH	AA	Liquid pair Price Difference and Price Impact conditions passed
bkex	SIPHER	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitso	ETH	COP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitso	ETH	COP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitso	ETH	COP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	PLANETS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	PLANETS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XHV	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XHV	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	CRA	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kraken	ALPHA	USD	A	Liquid pair Price Difference and Price Impact conditions passed
bkex	POSI	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	POSI	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	EVER	USD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	EVER	USD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	KAI	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	KAI	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	SRK	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	DVI	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Gateio	DVI	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XAYA	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XAYA	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	ADABULL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	ADABULL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XAYA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XAYA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitso	ETH	ARS	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	MONA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	ADS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	AAA	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	POLC	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	AYA	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	AYA	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	SWM	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	CAPS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
aax	LOOKS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	CPC	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	LKN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	CHESS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bibox	LOOKS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	TKO	BUSD	AA	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Binance	CHESS	USDT	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	CHESS	BUSD	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	OM	BTC	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	OM	BUSD	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	MOVR	BTC	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	MOVR	USDT	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	MOVR	BUSD	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Binance	MBL	BUSD	AA	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitforex	LOOKS	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bithumb	TITAN	KRW	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitkub	ILV	THB	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	CHESS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	LOOKS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	CCX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	ATLAS	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	ZEON	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitMart	NYN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitso	XRP	COP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Bitso	DAI	ARS	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
BitTrex	XDC	EUR	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	CHESS	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed

bkex	LOOKS	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
bkex	MOVR	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	CAD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	AED	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	JPY	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	EUR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	CHF	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	INR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	MYR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	HKD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	GBP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	AUD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	SGD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	LEO	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	CHF	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	MYR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	SGD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	AED	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	AUD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	EUR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	INR	B	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
btse	XAUT	JPY	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	CAD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	HKD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	XAUT	GBP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	ETH	INR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	ETH	AED	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	USDT	INR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	USDT	MYR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	USDT	HKD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	USDT	AED	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	USDT	PHP	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
btse	USDT	BUSD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Cexio	ARV	USD	A	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	DOT	BCH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	AVAX	BCH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	SOL	BCH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XEC	BCH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	CHESS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	LOOKS	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	MOVR	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	MOVR	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed

CoinEx	CET	USDC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	OSMO	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	XPRT	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	POKT	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	CUBE	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	BAN	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
CoinEx	DFL	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinmate	ADA	CZK	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinmate	SOL	CZK	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Coinone	EVER	KRW	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	CHESS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	MOVR	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
cryptodotcom	MOVR	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	MOVR	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	LNR	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	LNR	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	SFM	BTC	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
DigiFinex	SFM	ETH	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	TKO	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	CHESS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	LOOKS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Gateio	MOVR	USDT	BB	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
Gateio	MOVR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	BDX	USDT	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HitBTC	GR	USD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	LOOKS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
HuobiPro	MOVR	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	REV	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	ACT	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	VSYS	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	KAI	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	SLP	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	CKB	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	CVX	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	HPB	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	TEL	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	GXC	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	BCD	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	FIRO	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	ALPACA	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	BAKE	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	TFUEL	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	MBL	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed

indodax	KLAY	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	DEP	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	VRA	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	EVER	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	TITAN	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	XDC	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	NXT	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	SOLVE	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	KDAG	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	DVI	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	KOK	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	HEDG	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	ABYSS	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	EM	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	TEN	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	ERG	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	LET	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	OCTO	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	NRG	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	CARRY	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	TOKO	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	BOTX	IDR	B	Illiquid pair Price Stability and

				Liquidity Ratio conditions passed
indodax	DAX	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	IDK	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	USDT	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
indodax	BNB	IDR	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Korbit	INDEX	KRW	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	LOOKS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	OM	BTC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	MOVR	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Kucoin	MOVR	ETH	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	CHESS	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LAToken	LOOKS	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	CHESS	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	LOOKS	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
LBank	MOVR	USDT	C	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Liquid	XDC	SGD	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	LOOKS	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	LOOKS	USDC	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
OKEX	MOVR	USDT	BB	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	SSV	USDD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	FUND	TRX	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
Poloniex	ETH	USDD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed

Poloniex	BTC	USDD	B	Illiquid pair Price Stability and Liquidity Ratio conditions passed
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Markets to be excluded

exchange	fsym	tsym	grade	reason
Bibox	TRX	BTC	B	Liquid pair Price Difference condition failed
Coinbase	REP	BTC	A	Liquid pair Price Difference condition failed
BitBank	BCH	BTC	A	Removed due to zero volume
Liquid	BCH	BTC	BB	Liquid pair Price Difference condition failed
Liquid	BCH	JPY	BB	Liquid pair Price Difference condition failed
HitBTC	KNC	ETH	B	Liquid pair Price Difference condition failed
crosstower	ZEC	USD	BB	Liquid pair Price Difference condition failed
Graviex	DOGE	ETH	C	Liquid pair Price Difference condition failed
Upbit	BSV	BTC	BB	Liquid pair Price Difference condition failed
HuobiPro	CKB	BTC	BB	Removed due to zero volume
HitBTC	CKB	BTC	B	Liquid pair Price Difference condition failed
HuobiPro	FIRO	USDT	BB	Removed due to zero volume
HitBTC	FIRO	USDT	B	Liquid pair Price Difference condition failed
BitMart	REEF	USDT	B	Liquid pair Price Difference condition failed
HuobiPro	NANO	BTC	BB	Liquid pair Price Difference condition failed
BitMart	NWC	USDT	B	Liquid pair Price Difference condition failed
HitBTC	GMTT	USDT	B	Illiquid pair Price Difference condition failed
bw	TRX	USDT	C	Removed due to zero volume
Binance	TRX	USDC	A	Removed due to zero volume
bw	ADA	USDT	C	Removed due to zero volume
Binance	ADA	USDC	A	Removed due to zero volume
BitTrex	EDG	BTC	BB	Removed due to zero volume

BitBank	LTC	BTC	A	Removed due to zero volume
bw	LTC	USDT	C	Removed due to zero volume
Binance	LTC	USDC	A	Removed due to zero volume
bw	EOS	USDT	C	Removed due to zero volume
Binance	EOS	USDC	A	Removed due to zero volume
Kucoin	REV	USDT	B	Removed due to zero volume
Binance	BCH	USDC	A	Removed due to zero volume
bw	ETH	USDT	C	Removed due to zero volume
Binance	ETH	USDC	A	Removed due to zero volume
Binance	ETH	USDP	A	Removed due to zero volume
BitBank	XLM	BTC	A	Removed due to zero volume
DigiFinex	GUSD	USDT	B	Removed due to zero volume
OKEX	GUSD	USDT	BB	Removed due to zero volume
BitTrex	WICC	USDT	BB	Removed due to zero volume
HitBTC	GNO	ETH	B	Removed due to zero volume
Binance	USDP	USDT	A	Removed due to zero volume
OKEX	USDP	USDT	BB	Removed due to zero volume
blockchaincom	USDP	USD	B	Removed due to zero volume
bw	XRP	USDT	C	Removed due to zero volume
Binance	XRP	USDC	A	Removed due to zero volume
Binance	XRP	TUSD	A	Removed due to zero volume
Binance	BNB	USDC	A	Removed due to zero volume
Binanceje	BNB	GBP	B	Removed due to zero volume
HuobiPro	ZEC	BTC	BB	Removed due to zero volume
HuobiPro	ZEC	USDT	BB	Removed due to zero volume
bw	BTC	USDT	C	Removed due to zero volume
Binance	BTC	USDC	A	Removed due to zero volume
Coinmate	BTC	DAI	B	Removed due to zero volume
Bibox	ONT	ETH	B	Removed due to zero volume
decoin	DOGE	BTC	B	Removed due to zero volume
Bibox	USDT	USDC	B	Removed due to zero volume
decoin	SNX	USDT	B	Removed due to zero volume
decoin	AAVE	USDT	B	Removed due to zero volume
crosstower	UNI	BTC	BB	Removed due to zero volume
Coinsbit	YFI	BTC	B	Removed due to zero volume
Binance	LINK	USDC	A	Removed due to zero volume

bw	HMR	USDT	C	Removed due to zero volume
HuobiPro	XMR	BTC	BB	Removed due to zero volume
HuobiPro	XMR	USDT	BB	Removed due to zero volume
HuobiPro	XMR	ETH	BB	Removed due to zero volume
blockchaincom	USDC	EUR	B	Removed due to zero volume
Binance	USDC	USDT	A	Removed due to zero volume
ZB	USDC	USDT	B	Removed due to zero volume
blockchaincom	USDC	USD	B	Removed due to zero volume
bullish	USDC	USD	A	Removed due to zero volume
ZB	AUDIO	USDT	B	Removed due to zero volume
ZB	FET	USDT	B	Removed due to zero volume
decoin	APE	USDT	B	Removed due to zero volume
P2PB2B	ENJ	ETH	B	Removed due to zero volume
HuobiPro	MANA	ETH	BB	Removed due to zero volume
Binance	ATOM	USDC	A	Removed due to zero volume
ZB	QNT	USDT	B	Removed due to zero volume
ZB	AXS	USDT	B	Removed due to zero volume
decoin	AXS	BTC	B	Removed due to zero volume
ZB	IMX	USDT	B	Removed due to zero volume
ZB	IOTX	USDT	B	Removed due to zero volume
Kucoin	BSV	ETH	B	Removed due to zero volume
BitTrex	IRIS	BTC	BB	Removed due to zero volume
HuobiPro	FOR	BTC	BB	Removed due to zero volume
Binance	BTT	USDC	A	Removed due to zero volume
Binance	GHST	ETH	A	Removed due to zero volume
ZB	COTI	USDT	B	Removed due to zero volume
Binance	WIN	USDC	A	Removed due to zero volume
BitBank	XYM	BTC	A	Removed due to zero volume
HuobiPro	AKRO	BTC	BB	Removed due to zero volume
bw	TNC	USDT	C	Removed due to zero volume
decoin	BUSD	USDT	B	Removed due to zero volume
CoinEx	MIR	USDT	B	Removed due to zero volume
HuobiPro	ZEN	USDT	BB	Removed due to zero volume
HuobiPro	ZEN	ETH	BB	Removed due to zero volume
HuobiPro	ZEN	BTC	BB	Removed due to zero volume
HuobiPro	FORTH	BTC	BB	Removed due to zero volume

Binance	TUSD	USDT	A	Removed due to zero volume
Coinsbit	TUSD	USDT	B	Removed due to zero volume
DigiFinex	TUSD	USDT	B	Removed due to zero volume
OKEX	TUSD	USDT	BB	Removed due to zero volume
blockchaincom	DAI	USDC	B	Removed due to zero volume
Coinmate	DAI	EUR	B	Removed due to zero volume
decoin	CAKE	USDT	B	Removed due to zero volume
HuobiPro	POND	BTC	BB	Removed due to zero volume
HitBTC	INK	BTC	B	Removed due to zero volume
HitBTC	INK	USDT	B	Removed due to zero volume
HuobiPro	AE	USDT	BB	Removed due to zero volume
HuobiPro	FIRO	BTC	BB	Removed due to zero volume
ZB	KAVA	USDT	B	Removed due to zero volume
Poloniex	BCN	USDT	C	Removed due to zero volume
HuobiPro	XVG	ETH	BB	Removed due to zero volume
HuobiPro	XVG	BTC	BB	Removed due to zero volume
ZB	FARM	USDT	B	Removed due to zero volume
decoin	BAND	BTC	B	Removed due to zero volume
HuobiPro	RAD	BTC	BB	Removed due to zero volume
decoin	FLOW	USDT	B	Removed due to zero volume
Lykke	EUR	GBP	B	Removed due to zero volume
bithumbglobal	WABI	BTC	B	Removed due to zero volume
ZB	RARE	USDT	B	Removed due to zero volume
HuobiPro	DCR	USDT	BB	Removed due to zero volume
HuobiPro	DCR	BTC	BB	Removed due to zero volume
Poloniex	DCR	BTC	C	Removed due to zero volume
Graviex	PIVX	USDT	C	Removed due to zero volume
Binance	DATA	ETH	A	Removed due to zero volume
Kucoin	WAXP	BTC	B	Removed due to zero volume
Kucoin	WAXP	USDT	B	Removed due to zero volume
Kucoin	WAXP	ETH	B	Removed due to zero volume
ftx	ANC	USD	A	Removed due to zero volume
HuobiPro	HIVE	BTC	BB	Removed due to zero volume
decoin	RAY	USDT	B	Removed due to zero volume
OKEX	TORN	USDT	BB	Removed due to zero volume
BitBank	BOBA	BTC	A	Removed due to zero volume

BitBank	MONA	BTC	A	Removed due to zero volume
Graviex	VEIL	USDT	C	Removed due to zero volume
decoin	STARL	USDT	B	Removed due to zero volume
DigiFinex	LNR	USDT	B	Removed due to zero volume
BitMart	SRK	BTC	B	Removed due to zero volume
coineal	EVER	BTC	B	Removed due to zero volume
bkex	BCOIN	USDT	C	Removed due to zero volume
bithumbglobal	SHR	USDT	B	Removed due to zero volume
Kucoin	OXEN	USDT	B	Removed due to zero volume
Kucoin	OXEN	BTC	B	Removed due to zero volume
BitTrex	FX	ETH	BB	Removed due to zero volume
huobikorea	300F	BTC	B	Removed due to zero volume
huobikorea	300F	KRW	B	Removed due to zero volume
HitBTC	AVT	ETH	B	Removed due to zero volume
Gateio	SPI	USDT	BB	Removed due to zero volume
Liquid	DEXA	USDT	BB	Removed due to zero volume
BitTrex	PIXL	BTC	BB	Removed due to zero volume
BitTrex	BAX	ETH	BB	Removed due to zero volume
BitTrex	XUC	USDT	BB	Removed due to zero volume
probit	PXP	USDT	B	Removed due to zero volume
ftx	ADABEAR	USD	A	Removed due to zero volume
gopax	ADABEAR	KRW	BB	Removed due to zero volume
BitTrex	CVT	BTC	BB	Removed due to zero volume
Kucoin	RBTC	BTC	B	Removed due to zero volume
Bitforex	MEMEINU	USDT	C	Removed due to zero volume
OKEX	MEMEINU	USDT	BB	Removed due to zero volume
StocksExchange	SMART	BTC	C	Removed due to zero volume
StocksExchange	LCC	BTC	C	Removed due to zero volume
Yobit	LTS	USD	D	Removed due to zero volume
ZB	UMEE	USDT	B	Removed due to zero volume
Liquid	SHPING	USDT	BB	Removed due to zero volume
HitBTC	DAG	ETH	B	Removed due to zero volume
P2PB2B	IOWN	USDT	B	Removed due to zero volume
Yobit	CREED	DOGE	D	Removed due to zero volume
Poloniex	FMCT	BTC	C	Removed due to zero volume

fatbtc	TRP	USDT	D	Removed due to zero volume
fatbtc	TRP	ETH	D	Removed due to zero volume
probit	TRP	KRW	B	Removed due to zero volume
ftx	ATOMBEAR	USD	A	Removed due to zero volume
gopax	ATOMBEAR	KRW	BB	Removed due to zero volume
fatbtc	BIZZ	ETH	D	Removed due to zero volume
gopax	ATOMBULL	KRW	BB	Removed due to zero volume
ftx	BTMXBEAR	USDT	A	Removed due to zero volume
ftx	BTMXBEAR	USD	A	Removed due to zero volume
ftx	PAXGHALF	USDT	A	Removed due to zero volume
ftx	PAXGHALF	USD	A	Removed due to zero volume
ftx	MATICBEAR	USD	A	Removed due to zero volume
ftx	XTZBULL	USDT	A	Removed due to zero volume
ftx	XTZBULL	USD	A	Removed due to zero volume
ftx	SUSHIBEAR	USD	A	Removed due to zero volume
ftx	ALGOBEAR	USD	A	Removed due to zero volume
gopax	ALGOBEAR	KRW	BB	Removed due to zero volume
ftx	BTMXBULL	USD	A	Removed due to zero volume
ftx	BTMXBULL	USDT	A	Removed due to zero volume
ftx	LTCBEAR	USD	A	Removed due to zero volume
ftx	DOGEBEAR	USD	A	Removed due to zero volume
gopax	ALGOBULL	KRW	BB	Removed due to zero volume
ftx	ALGOBULL	USD	A	Removed due to zero volume
ftx	TOMOBEAR	USD	A	Removed due to zero volume
ftx	THETABEAR	USD	A	Removed due to zero volume
ftx	XTZBEAR	USDT	A	Removed due to zero volume
ftx	XTZBEAR	USD	A	Removed due to zero volume
ftx	ETCBEAR	USD	A	Removed due to zero volume
ftx	PAXGBULL	USD	A	Removed due to zero volume

ftx	LTCBULL	USD	A	Removed due to zero volume
ftx	SUSHIBULL	USD	A	Removed due to zero volume
gopax	AQUA	BTC	BB	Removed due to zero volume
gopax	VNXLU	BTC	BB	Removed due to zero volume
gopax	AIN	BTC	BB	Removed due to zero volume
gopax	LQBTC	BTC	BB	Removed due to zero volume
huobikorea	MZK	ETH	B	Removed due to zero volume
huobikorea	MZK	BTC	B	Removed due to zero volume
ftx	OKBBEAR	USD	A	Removed due to zero volume
huobikorea	HUSD	USDT	B	Removed due to zero volume
probit	SMILE	BTC	B	Removed due to zero volume
raidofinance	RF	ETH	D	Removed due to zero volume
thore	TCHTRX	BTC	E	Removed due to zero volume
trxmarket	TRXDICE	TRX	-	Removed due to zero volume
trxmarket	TRXWIN	TRX	-	Removed due to zero volume
trxmarket	ANTE	TRX	-	Removed due to zero volume
ftx	PAXGBEAR	USD	A	Removed due to zero volume
uniswapv2	AZUKI	WETH	-	Removed due to zero volume
uniswapv2	SOCKS	MFT	-	Removed due to zero volume
uniswapv2	SOCKS	WETH	-	Removed due to zero volume
uniswapv2	WAIF	WETH	-	Removed due to zero volume
uniswapv2	CMERGE	WETH	-	Removed due to zero volume
uniswapv2	METH	WETH	-	Removed due to zero volume
trxmarket	AFTT	TRX	-	Removed due to zero volume

CCCAGG Benchmark Family Markets to be excluded next month

Expected implementation date: 2022-12-20

exchange	fsym	tsym	grade	reason
HitBTC	DNT	BTC	B	Liquid pair Price Difference condition failed
Bibox	BCH	ETH	B	Liquid pair Price Difference condition failed
Binance	ETH	TUSD	B	Removed due to zero volume
Binance	ZEC	USDC	A	Removed due to zero volume
Binance	BTC	TUSD	A	Removed due to zero volume
Binance	BTC	USDP	A	Removed due to zero volume
blockchaincom	USDC	GBP	B	Removed due to zero volume
HitBTC	POLY	BTC	B	Liquid pair Price Difference condition failed
decoin	CAKE	BTC	B	Removed due to zero volume
decoin	BIFI	USDT	B	Removed due to zero volume
HitBTC	QKC	BTC	B	Liquid pair Price Difference condition failed
HitBTC	DATA	USDT	B	Liquid pair Price Difference condition failed
Bitforex	BRZ	USDT	C	Liquid pair Price Difference condition failed