

# CCCAGG Review 2022 April

Date of review: 2022-04-14

Date of implementation 2022-04-20

## Markets to be excluded

| <b>exchange</b> | <b>fsym</b> | <b>tsym</b> | <b>grade</b> |
|-----------------|-------------|-------------|--------------|
| Kucoin          | BCH         | BTC         | BB           |
| Kuna            | BTC         | USD         | C            |
| Kucoin          | BCH         | USDT        | BB           |
| Korbit          | BTC         | USDC        | B            |
| btse            | SHIB        | USDT        | B            |
| btse            | TRX         | USD         | B            |
| btse            | AAVE        | ETH         | B            |
| btse            | AAVE        | USD         | B            |
| bithumbglobal   | CRO         | BTC         | B            |
| btse            | LINK        | USD         | B            |
| btse            | SUSHI       | BTC         | B            |
| btse            | UNI         | USD         | B            |
| btse            | ADA         | USD         | B            |
| dcoin           | BTTOLD      | BTC         | B            |
| HitBTC          | BTTOLD      | USDT        | B            |
| btse            | LTC         | GBP         | B            |
| btse            | ADA         | EUR         | B            |
| btse            | UNI         | ETH         | B            |
| btse            | YFI         | USD         | B            |
| btse            | ATOM        | USD         | B            |
| btse            | DOT         | USD         | B            |
| btse            | LTC         | USDC        | B            |
| HitBTC          | NULS        | BTC         | B            |
| btse            | SUSHI       | USD         | B            |
| btse            | TRX         | EUR         | B            |
| BitTrex         | BNT         | ETH         | BB           |
| btse            | SHIB        | USD         | B            |
| btse            | ADA         | GBP         | B            |
| btse            | DOT         | EUR         | B            |
| Korbit          | MATIC       | KRW         | B            |
| bithumbglobal   | SWFTC       | USDT        | B            |
| btse            | TRX         | USDC        | B            |
| btse            | ADA         | USDC        | B            |
| btse            | ATOM        | EUR         | B            |
| Gateio          | BLZ         | ETH         | B            |
| BitTrex         | BSV         | USD         | BB           |
| StocksExchange  | CEEK        | ETH         | C            |
| probit          | CEEK        | ETH         | C            |
| btse            | DOT         | GBP         | B            |
| Upbit           | XHV         | BTC         | -            |

|            |       |        |   |
|------------|-------|--------|---|
| btse       | XMR   | USD    | B |
| Nuex       |       | 404BTC | - |
| Yobit      |       | 404BTC | - |
| crex24     |       | 404BTC | - |
| OKEX       | AAC   | BTC    | - |
| huobikorea | AAC   | BTC    | - |
| LAToken    | ABYSS | BTC    | - |
| Bitfinex   | ABYSS | ETH    | - |
| LAToken    | ABYSS | ETH    | - |
| huobikorea | ACH   | BTC    | - |
| HuobiPro   | ACHN  | BTC    | - |
| OKEX       | ACHN  | BTC    | - |
| HuobiPro   | ACHN  | ETH    | - |
| Kucoin     | ACHN  | ETH    | - |
| huobikorea | ACHN  | ETH    | - |
| Kucoin     | ACT   | ETH    | - |
| huobikorea | ACT   | ETH    | - |
| huobikorea | ACT   | USDT   | - |
| btse       | ADA   | AUD    | - |
| Bibox      | ADEL  | USDT   | - |
| HitBTC     | AGI   | BTC    | - |
| Binance    | AGI   | ETH    | - |
| Bitfinex   | AGI   | ETH    | - |
| BitTrex    | AID   | BTC    | - |
| Bitfinex   | AID   | BTC    | - |
| Upbit      | AID   | BTC    | - |
| Bibox      | AIDOC | ETH    | - |
| HuobiPro   | AIDOC | ETH    | - |
| OKEX       | AIDOC | ETH    | - |
| Bitfinex   | AION  | ETH    | - |
| bitmax     | AKT   | USDT   | - |
| huobikorea | ALGO  | KRW    | - |
| LAToken    | AMLT  | BTC    | - |
| Bibox      | AMM   | BTC    | - |
| HitBTC     | AMM   | BTC    | - |
| OKEX       | AMM   | BTC    | - |
| Bibox      | AMM   | ETH    | - |
| HitBTC     | AMM   | ETH    | - |
| OKEX       | AMM   | ETH    | - |
| BitTrex    | APCC  | BTC    | - |
| HitBTC     | APCC  | BTC    | - |
| Upbit      | APCC  | BTC    | - |
| huobikorea | API3  | ETH    | - |
| HitBTC     | APL   | USDT   | - |
| Binance    | ARDR  | ETH    | - |
| HuobiPro   | ARDR  | ETH    | - |
| huobikorea | ARDR  | ETH    | - |
| Binance    | AST   | ETH    | - |
| HuobiPro   | AST   | ETH    | - |
| OKEX       | AST   | ETH    | - |
| BTCAlpha   | ATB   | BTC    | - |
| Coinsbit   | ATB   | BTC    | - |

|            |      |      |   |
|------------|------|------|---|
| HitBTC     | ATB  | BTC  | - |
| Coinsbit   | ATB  | ETH  | - |
| HitBTC     | ATB  | ETH  | - |
| P2PB2B     | ATB  | ETH  | - |
| HitBTC     | ATL  | BTC  | - |
| OKEX       | ATL  | BTC  | - |
| Yobit      | ATL  | BTC  | - |
| Bitfinex   | ATMI | ETH  | - |
| Gateio     | ATMI | ETH  | - |
| LAToken    | ATMI | ETH  | - |
| huobikorea | ATP  | USDT | - |
| Lykke      | AUD  | USD  | - |
| ftx        | AUD  | USD  | - |
| bitcoincom | AVA  | ETH  | - |
| Bitfinex   | AVT  | ETH  | - |
| OKEX       | AVT  | ETH  | - |
| Bibox      | BAL  | ETH  | - |
| huobikorea | BAL  | ETH  | - |
| Binance    | BAT  | USDC | - |
| Bleutrade  | BBK  | BTC  | - |
| crex24     | BBK  | BTC  | - |
| BTCAlpha   | BBR  | BTC  | - |
| BitTrex    | BBR  | BTC  | - |
| Poloniex   | BBR  | BTC  | - |
| HitBTC     | BCAT | BTC  | - |
| Kucoin     | BCAT | BTC  | - |
| Tidex      | BCAT | BTC  | - |
| HitBTC     | BCAT | ETH  | - |
| Kucoin     | BCAT | ETH  | - |
| Tidex      | BCAT | ETH  | - |
| Binance    | BCH  | TUSD | - |
| HitBTC     | BCH  | TUSD | - |
| bitcoincom | BCH  | TUSD | - |
| Binance    | BCH  | USDP | - |
| CoinEx     | BCH  | USDP | - |
| ZB         | BCH  | USDP | - |
| HuobiPro   | BCX  | BTC  | - |
| OKEX       | BCX  | BTC  | - |
| BitMart    | BDG  | BTC  | - |
| Tidex      | BDG  | BTC  | - |
| BitMart    | BDG  | ETH  | - |
| Tidex      | BDG  | ETH  | - |
| Bitforex   | BDP  | ETH  | - |
| DigiFinex  | BDP  | ETH  | - |
| HitBTC     | BDP  | ETH  | - |
| Bitforex   | BDP  | USDT | - |
| DigiFinex  | BDP  | USDT | - |
| HitBTC     | BDP  | USDT | - |
| BitTrex    | BEAN | BTC  | - |
| Bleutrade  | BEAN | BTC  | - |
| Upbit      | BEAN | BTC  | - |
| Bitfinex   | BFT  | ETH  | - |

|            |      |      |   |
|------------|------|------|---|
| HuobiPro   | BFT  | ETH  | - |
| huobikorea | BFT  | ETH  | - |
| huobikorea | BIX  | BTC  | - |
| HuobiPro   | BIX  | ETH  | - |
| huobikorea | BIX  | ETH  | - |
| huobikorea | BIX  | USDT | - |
| Liquid     | BMC  | BTC  | - |
| Tidex      | BMC  | BTC  | - |
| Liquid     | BMC  | ETH  | - |
| Tidex      | BMC  | ETH  | - |
| Binanceje  | BNB  | GBP  | - |
| Nexchange  | BNB  | GBP  | - |
| CoinBene   | BOA  | USDT | - |
| HitBTC     | BOS  | BTC  | - |
| Kucoin     | BOS  | BTC  | - |
| LAToken    | BOS  | BTC  | - |
| BitZ       | BRC  | BTC  | - |
| P2PB2B     | BRC  | BTC  | - |
| ZB         | BRC  | BTC  | - |
| BitZ       | BRC  | USDT | - |
| LBank      | BRC  | USDT | - |
| ZB         | BRC  | USDT | - |
| Kucoin     | BRD  | BTC  | - |
| OKEX       | BRD  | BTC  | - |
| Kucoin     | BRD  | ETH  | - |
| OKEX       | BRD  | ETH  | - |
| BitBay     | BSV  | EUR  | - |
| Kraken     | BSV  | EUR  | - |
| btse       | BTC  | CAD  | - |
| Liquid     | BTC  | CNY  | - |
| OKCoin     | BTC  | CNY  | - |
| Liquid     | BTC  | IDR  | - |
| Kraken     | BTC  | LTC  | - |
| OKCoin     | BTC  | LTC  | - |
| BitBay     | BTC  | PLN  | - |
| CoinDeal   | BTC  | PLN  | - |
| bw         | BTC  | QC   | - |
| Bibox      | BTC  | SAI  | - |
| HitBTC     | BTC  | SAI  | - |
| Liquid     | BTC  | SAI  | - |
| Luno       | BTC  | SGD  | - |
| itBit      | BTC  | SGD  | - |
| Coinsbit   | BTC  | UAH  | - |
| Binance    | BTC  | ZAR  | - |
| BitTrex    | BTCD | BTC  | - |
| Bleutrade  | BTCD | BTC  | - |
| Poloniex   | BTCD | BTC  | - |
| Graviex    | BTCP | BTC  | - |
| HitBTC     | BTCP | BTC  | - |
| crex24     | BTCP | BTC  | - |
| Korbit     | BTG  | KRW  | - |
| BitTrex    | BTG  | USD  | - |

|            |        |      |   |
|------------|--------|------|---|
| Cexio      | BTG    | USD  | - |
| Bibox      | BTO    | ETH  | - |
| LBank      | BTO    | ETH  | - |
| Bitfinex   | BTTOLD | USD  | - |
| EXRATES    | BTTOLD | USD  | - |
| Bibox      | CAG    | BTC  | - |
| Kucoin     | CAG    | BTC  | - |
| OKEX       | CAG    | BTC  | - |
| Bibox      | CAG    | ETH  | - |
| Kucoin     | CAG    | ETH  | - |
| OKEX       | CAG    | ETH  | - |
| BitTrex    | CANN   | BTC  | - |
| Bleutrade  | CANN   | BTC  | - |
| biki       | CARRY  | USDT | - |
| huobikorea | CARRY  | USDT | - |
| LAToken    | CEEK   | BTC  | - |
| bitmax     | CELR   | BTC  | - |
| Binance    | CHAT   | ETH  | - |
| HuobiPro   | CHAT   | ETH  | - |
| OKEX       | CHAT   | ETH  | - |
| huobikorea | CHZ    | ETH  | - |
| Coinone    | CHZ    | KRW  | - |
| huobikorea | CHZ    | KRW  | - |
| BitTrex    | CLAM   | BTC  | - |
| Bleutrade  | CLAM   | BTC  | - |
| Poloniex   | CLAM   | BTC  | - |
| Binance    | CLOAK  | BTC  | - |
| BitTrex    | CLOAK  | BTC  | - |
| Upbit      | CLOAK  | BTC  | - |
| BitTrex    | CMCT   | BTC  | - |
| HitBTC     | CMCT   | BTC  | - |
| Upbit      | CMCT   | BTC  | - |
| Coinsbit   | CNB    | USDT | - |
| P2PB2B     | CNB    | USDT | - |
| bkex       | CNB    | USDT | - |
| Binance    | CND    | ETH  | - |
| Bitfinex   | CND    | ETH  | - |
| CoinEx     | CNN    | BTC  | - |
| Bitfinex   | CNN    | ETH  | - |
| HADAX      | CNN    | ETH  | - |
| huobikorea | CNN    | ETH  | - |
| huobikorea | CNNS   | USDT | - |
| bitmax     | COTI   | BTC  | - |
| Tidex      | CRPT   | ETH  | - |
| OKEX       | CTXC   | BTC  | - |
| huobikorea | CTXC   | BTC  | - |
| OKEX       | CVT    | BTC  | - |
| HitBTC     | DADI   | USDT | - |
| Kucoin     | DADI   | USDT | - |
| OKEX       | DADI   | USDT | - |
| Bibox      | DAPS   | BTC  | - |
| BitMart    | DAPS   | BTC  | - |

|               |                  |      |   |
|---------------|------------------|------|---|
| Bleutrade     | DAPS             | BTC  | - |
| CoinEx        | DASH             | BCH  | - |
| bitcoincom    | DASH             | BCH  | - |
| HitBTC        | DBET             | BTC  | - |
| LAToken       | DBET             | BTC  | - |
| Yobit         | DBET             | BTC  | - |
| LAToken       | DCN              | ETH  | - |
| LBank         | DCN              | ETH  | - |
| huobikorea    | DF               | USDT | - |
| HuobiPro      | DGB              | ETH  | - |
| bitcoincom    | DGB              | ETH  | - |
| huobikorea    | DGB              | ETH  | - |
| Bleutrade     | DIVI             | BTC  | - |
| bithumbglobal | DIVI             | BTC  | - |
| crex24        | DIVI             | BTC  | - |
| Tidex         | DMT              | BTC  | - |
| Upbit         | DMT              | BTC  | - |
| Tidex         | DMT              | ETH  | - |
| Upbit         | DMT              | ETH  | - |
| Binance       | DOGE             | USDC | - |
| bitmax        | DOS              | USDT | - |
| Bibox         | DOT_NO_SPL<br>IT | USDT | - |
| HuobiPro      | DOT_NO_SPL<br>IT | USDT | - |
| OKEX          | DOT_NO_SPL<br>IT | USDT | - |
| Kucoin        | DRGN             | USDT | - |
| Tidex         | DRGN             | USDT | - |
| Bitforex      | ECOM             | ETH  | - |
| IDEX          | ECOM             | ETH  | - |
| LAToken       | ECOM             | ETH  | - |
| huobikorea    | EGT              | USDT | - |
| huobikorea    | EKO              | BTC  | - |
| huobikorea    | EKO              | ETH  | - |
| BitZ          | EKT              | BTC  | - |
| huobikorea    | ELA              | ETH  | - |
| huobikorea    | EM               | USDT | - |
| BitTrex       | EMC              | BTC  | - |
| Upbit         | EMC              | BTC  | - |
| Poloniex      | EMC2             | BTC  | - |
| Upbit         | EMC2             | BTC  | - |
| HuobiPro      | ENG              | BTC  | - |
| huobikorea    | ENG              | BTC  | - |
| gopax         | ENJ              | KRW  | - |
| huobikorea    | ENJ              | KRW  | - |
| CoinEx        | EOS              | BCH  | - |
| bitcoincom    | EOS              | BCH  | - |
| bkex          | EOSBEAR          | USDT | - |
| Bibox         | EOSC             | USDT | - |
| crex24        | ERK              | BTC  | - |
| fatbtc        | ERK              | BTC  | - |

|            |         |      |   |
|------------|---------|------|---|
| P2PB2B     | ERK     | USDT | - |
| fatbtc     | ERK     | USDT | - |
| CoinEx     | ETC     | BCH  | - |
| bitcoincom | ETC     | BCH  | - |
| OKEX       | ETC     | USDC | - |
| HitBTC     | ETH     | BCH  | - |
| bitcoincom | ETH     | BCH  | - |
| Braziliex  | ETH     | BRL  | - |
| btse       | ETH     | CAD  | - |
| Bibox      | ETH     | GUSD | - |
| Liquid     | ETH     | GUSD | - |
| Liquid     | ETH     | IDR  | - |
| bw         | ETH     | QC   | - |
| Coinsbit   | ETH     | UAH  | - |
| Binance    | ETH     | ZAR  | - |
| Binance    | ETHBEAR | USDT | - |
| Binance    | ETHOS   | ETH  | - |
| HitBTC     | ETHOS   | ETH  | - |
| LAToken    | ETHOS   | ETH  | - |
| BitZ       | ETP     | BTC  | - |
| Coinsbit   | EUR     | USDT | - |
| HitBTC     | EURS    | USD  | - |
| OKCoin     | EURS    | USD  | - |
| Binance    | EVX     | ETH  | - |
| HuobiPro   | EVX     | ETH  | - |
| huobikorea | EVX     | ETH  | - |
| BitTrex    | FCT     | ETH  | - |
| Liquid     | FCT     | ETH  | - |
| Upbit      | FCT     | ETH  | - |
| bitmax     | FIO     | USDT | - |
| Binance    | FRONT   | ETH  | - |
| OKEX       | FRONT   | ETH  | - |
| Bibox      | FSN     | BTC  | - |
| BitTrex    | FSN     | BTC  | - |
| Cexio      | FTC     | BTC  | - |
| Upbit      | FTC     | BTC  | - |
| BitBay     | FTO     | BTC  | - |
| Bitforex   | FTO     | BTC  | - |
| CoinDeal   | FTO     | BTC  | - |
| Binance    | FTXT    | BTC  | - |
| HitBTC     | FTXT    | BTC  | - |
| HuobiPro   | FTXT    | BTC  | - |
| Binance    | FTXT    | USDT | - |
| Bitfinex   | FTXT    | USDT | - |
| HuobiPro   | FTXT    | USDT | - |
| Binance    | FUEL    | BTC  | - |
| HitBTC     | FUEL    | BTC  | - |
| LAToken    | FUEL    | BTC  | - |
| Binance    | FUN     | BTC  | - |
| OKEX       | FUN     | BTC  | - |
| DigiFinex  | GALA    | BTC  | - |
| Korbit     | GLM     | KRW  | - |

|            |      |      |   |
|------------|------|------|---|
| BitBay     | GLM  | USD  | - |
| HitBTC     | GLM  | USD  | - |
| huobikorea | GNX  | BTC  | - |
| OKEX       | GNX  | USDT | - |
| huobikorea | GOF  | USDT | - |
| Bitfinex   | GOT  | ETH  | - |
| CoinBene   | GOT  | ETH  | - |
| TokenStore | GOT  | ETH  | - |
| Kucoin     | GRIN | ETH  | - |
| Binance    | GRS  | ETH  | - |
| HuobiPro   | GRS  | ETH  | - |
| huobikorea | GRS  | ETH  | - |
| huobikorea | GT   | BTC  | - |
| Upbit      | GTO  | BTC  | - |
| BitTrex    | GUP  | BTC  | - |
| HitBTC     | GUP  | BTC  | - |
| Upbit      | GUP  | BTC  | - |
| LAToken    | GUSD | BTC  | - |
| OKCoin     | GUSD | BTC  | - |
| OKEX       | GUSD | BTC  | - |
| Bitfinex   | GUSD | USD  | - |
| Binance    | GXS  | ETH  | - |
| DigiFinex  | GXS  | ETH  | - |
| HuobiPro   | GXS  | ETH  | - |
| Binance    | GXS  | USDT | - |
| Gateio     | GXS  | USDT | - |
| HuobiPro   | GXS  | USDT | - |
| BitTrex    | HMQ  | BTC  | - |
| Upbit      | HMQ  | BTC  | - |
| BitTrex    | HMQ  | ETH  | - |
| HitBTC     | HMQ  | ETH  | - |
| Upbit      | HMQ  | ETH  | - |
| Coinsbit   | HMR  | BTC  | - |
| DigiFinex  | HMR  | BTC  | - |
| bw         | HMR  | BTC  | - |
| Coinsbit   | HMR  | USDT | - |
| Binance    | HOT  | BTC  | - |
| OKEX       | HOT  | BTC  | - |
| Kucoin     | HPB  | BTC  | - |
| OKEX       | HPB  | BTC  | - |
| Kucoin     | HPB  | ETH  | - |
| OKEX       | HPB  | ETH  | - |
| BTCAlpha   | HQX  | ETH  | - |
| HitBTC     | HQX  | ETH  | - |
| BitTrex    | HST  | BTC  | - |
| Kucoin     | HST  | BTC  | - |
| Upbit      | HST  | BTC  | - |
| huobikorea | HT   | ETH  | - |
| Bleutrade  | HTML | ETH  | - |
| Gateio     | HUR  | ETH  | - |
| LAToken    | HUR  | ETH  | - |
| Tidex      | HUR  | ETH  | - |



|            |       |      |   |
|------------|-------|------|---|
| Binance    | ICN   | ETH  | - |
| Kraken     | ICN   | ETH  | - |
| OKEX       | ICN   | ETH  | - |
| huobikorea | ICX   | KRW  | - |
| Tidex      | IDH   | BTC  | - |
| Liquid     | IDH   | ETH  | - |
| Tidex      | IDH   | ETH  | - |
| Bleutrade  | IFT   | BTC  | - |
| HitBTC     | IFT   | BTC  | - |
| LAToken    | IFT   | BTC  | - |
| Kucoin     | IHT   | ETH  | - |
| LBank      | IHT   | ETH  | - |
| Bitforex   | IMT   | ETH  | - |
| IDEX       | IMT   | ETH  | - |
| LAToken    | IMT   | ETH  | - |
| huobikorea | INJ   | ETH  | - |
| ZB         | INK   | BTC  | - |
| HitBTC     | INSUR | BTC  | - |
| huobikorea | INSUR | BTC  | - |
| huobikorea | INSUR | USDT | - |
| Bleutrade  | IOC   | BTC  | - |
| Poloniex   | IOC   | BTC  | - |
| BitTrex    | IOP   | BTC  | - |
| Bleutrade  | IOP   | BTC  | - |
| Upbit      | IOP   | BTC  | - |
| huobikorea | IOST  | KRW  | - |
| Bibox      | IPSX  | ETH  | - |
| IDEX       | IPSX  | ETH  | - |
| Liquid     | IPSX  | ETH  | - |
| Bitfinex   | IQ    | BTC  | - |
| OKEX       | IQ    | BTC  | - |
| IDEX       | IQN   | ETH  | - |
| TokenStore | IQN   | ETH  | - |
| huobikorea | IRIS  | ETH  | - |
| Kucoin     | ITC   | BTC  | - |
| huobikorea | ITC   | BTC  | - |
| HuobiPro   | ITC   | ETH  | - |
| Kucoin     | ITC   | ETH  | - |
| OKEX       | ITC   | ETH  | - |
| Kucoin     | ITC   | USDT | - |
| huobikorea | ITC   | USDT | - |
| CoinBene   | IVY   | ETH  | - |
| HitBTC     | IVY   | ETH  | - |
| IDEX       | IVY   | ETH  | - |
| BitZ       | IXT   | BTC  | - |
| HitBTC     | IXT   | BTC  | - |
| Liquid     | IXT   | BTC  | - |
| BitZ       | IXT   | ETH  | - |
| HitBTC     | IXT   | ETH  | - |
| Liquid     | IXT   | ETH  | - |
| BitTrex    | JNT   | BTC  | - |
| Gateio     | JNT   | BTC  | - |

|            |       |      |   |
|------------|-------|------|---|
| Upbit      | JNT   | BTC  | - |
| OKEX       | JST   | ETH  | - |
| huobikorea | JST   | ETH  | - |
| BTCAlpha   | JWL   | BTC  | - |
| BitTrex    | JWL   | BTC  | - |
| huobikorea | KAVA  | ETH  | - |
| Bibox      | KBC   | BTC  | - |
| Bitforex   | KBC   | BTC  | - |
| HitBTC     | KBC   | BTC  | - |
| Bibox      | KBC   | ETH  | - |
| Bitforex   | KBC   | ETH  | - |
| HitBTC     | KBC   | ETH  | - |
| OKEX       | KCASH | BTC  | - |
| huobikorea | KCASH | BTC  | - |
| OKEX       | KCASH | ETH  | - |
| huobikorea | KCASH | ETH  | - |
| Binance    | KEEP  | BTC  | - |
| Bibox      | KICK  | ETH  | - |
| Gateio     | KICK  | ETH  | - |
| Kucoin     | KICK  | ETH  | - |
| Nexchange  | KNC   | EUR  | - |
| Bleutrade  | KNT   | ETH  | - |
| CoinBene   | KNT   | ETH  | - |
| TokenStore | KNT   | ETH  | - |
| BTCAlpha   | KZC   | BTC  | - |
| BitBay     | KZC   | BTC  | - |
| Bibox      | LBA   | ETH  | - |
| HuobiPro   | LBA   | ETH  | - |
| OKEX       | LBA   | ETH  | - |
| Bibox      | LEDU  | BTC  | - |
| Gateio     | LEDU  | BTC  | - |
| HuobiPro   | LET   | ETH  | - |
| OKEX       | LET   | ETH  | - |
| huobikorea | LET   | ETH  | - |
| CoinEx     | LINK  | BCH  | - |
| bitcoincom | LINK  | BCH  | - |
| BitMart    | LOOM  | ETH  | - |
| huobikorea | LOOM  | ETH  | - |
| Korbit     | LOOM  | KRW  | - |
| BitBay     | LSK   | EUR  | - |
| HitBTC     | LSK   | EUR  | - |
| bitcoincom | LTC   | BCH  | - |
| Binance    | LTC   | USDP | - |
| ZB         | LTC   | USDP | - |
| tokok      | LTC   | USDP | - |
| HuobiPro   | LUN   | BTC  | - |
| huobikorea | LUN   | BTC  | - |
| huobikorea | LUNA  | KRW  | - |
| Kucoin     | MAN   | ETH  | - |
| bcbitcoin  | MANA  | EUR  | - |
| huobikorea | MANA  | KRW  | - |
| BitMart    | MATH  | USDT | - |

|            |       |      |   |
|------------|-------|------|---|
| OKEX       | MDA   | BTC  | - |
| Binance    | MDA   | ETH  | - |
| LBank      | MDA   | ETH  | - |
| OKEX       | MDA   | ETH  | - |
| BitTrex    | MEC   | BTC  | - |
| Cexio      | MEC   | BTC  | - |
| crex24     | MEC   | BTC  | - |
| BitZ       | MHC   | ETH  | - |
| Bitforex   | MHC   | ETH  | - |
| BitZ       | MHC   | USDT | - |
| Bitforex   | MHC   | USDT | - |
| Liquid     | MIOTA | USD  | - |
| huobikorea | MIR   | BTC  | - |
| huobikorea | MIR   | ETH  | - |
| IDEX       | MITX  | ETH  | - |
| Liquid     | MITX  | ETH  | - |
| gopax      | MKR   | KRW  | - |
| huobikorea | MKR   | KRW  | - |
| BitMart    | MOBI  | ETH  | - |
| Kucoin     | MOBI  | ETH  | - |
| ABCC       | MPAY  | BTC  | - |
| BigONE     | MPAY  | BTC  | - |
| dcoin      | MPAY  | BTC  | - |
| BTCAlpha   | MRK   | BTC  | - |
| HitBTC     | MRK   | BTC  | - |
| Liquid     | MRK   | BTC  | - |
| BTCAlpha   | MRK   | ETH  | - |
| HitBTC     | MRK   | ETH  | - |
| Liquid     | MRK   | ETH  | - |
| HitBTC     | MTC   | BTC  | - |
| Kucoin     | MTC   | BTC  | - |
| LAToken    | MTC   | BTC  | - |
| LBank      | MTV   | USDT | - |
| huobikorea | MTX   | BTC  | - |
| HuobiPro   | MTX   | ETH  | - |
| huobikorea | MTX   | ETH  | - |
| Bleutrade  | MUE   | BTC  | - |
| Upbit      | MUE   | BTC  | - |
| LBank      | MX    | USDT | - |
| huobikorea | MX    | USDT | - |
| CoinBene   | MXM   | ETH  | - |
| FCoin      | MXM   | ETH  | - |
| HitBTC     | MXM   | ETH  | - |
| Upbit      | MYST  | BTC  | - |
| HitBTC     | NANO  | USD  | - |
| binanceusa | NANO  | USD  | - |
| Kucoin     | NEBL  | BTC  | - |
| Binance    | NEBL  | ETH  | - |
| Kucoin     | NEBL  | ETH  | - |
| Liquid     | NEO   | EUR  | - |
| BitTrex    | NEOS  | BTC  | - |
| Bleutrade  | NEOS  | BTC  | - |

|            |      |      |   |
|------------|------|------|---|
| Poloniex   | NEOS | BTC  | - |
| Bibox      | NEST | ETH  | - |
| huobikorea | NEST | ETH  | - |
| huobikorea | NEXO | ETH  | - |
| BitTrex    | NGC  | ETH  | - |
| OKEX       | NGC  | ETH  | - |
| OKEX       | NMR  | ETH  | - |
| Upbit      | NMR  | ETH  | - |
| Bithumb    | NPXS | KRW  | - |
| Upbit      | NPXS | KRW  | - |
| probit     | NPXS | KRW  | - |
| Binance    | NPXS | USDT | - |
| BitTrex    | NPXS | USDT | - |
| DigiFinex  | NPXS | USDT | - |
| BitTrex    | NXC  | BTC  | - |
| HitBTC     | NXC  | BTC  | - |
| Poloniex   | NXC  | BTC  | - |
| Upbit      | NXS  | BTC  | - |
| huobikorea | O3   | USDT | - |
| LAToken    | OAX  | USDT | - |
| OKEX       | OAX  | USDT | - |
| BitTrex    | OGO  | BTC  | - |
| HuobiPro   | OGO  | BTC  | - |
| huobikorea | OGO  | BTC  | - |
| BitTrex    | OGO  | USDT | - |
| huobikorea | OGO  | USDT | - |
| Bleutrade  | OK   | BTC  | - |
| Upbit      | OK   | BTC  | - |
| Bitfinex   | OKB  | ETH  | - |
| bitmax     | OKB  | ETH  | - |
| CoinEx     | OMG  | BCH  | - |
| bitcoincom | OMG  | BCH  | - |
| bitmax     | OMI  | USDT | - |
| BitTrex    | OMNI | BTC  | - |
| Bitfinex   | OMNI | BTC  | - |
| Poloniex   | OMNI | BTC  | - |
| Coinsbit   | ONT  | USD  | - |
| BitTrex    | OPAL | BTC  | - |
| Poloniex   | OPAL | BTC  | - |
| Binance    | OST  | ETH  | - |
| HuobiPro   | OST  | ETH  | - |
| OKEX       | OST  | ETH  | - |
| Bibox      | PAI  | BTC  | - |
| BitTrex    | PAI  | BTC  | - |
| Upbit      | PAI  | BTC  | - |
| BitTrex    | PAL  | BTC  | - |
| Kucoin     | PAL  | BTC  | - |
| Upbit      | PAL  | BTC  | - |
| Bitfinex   | PAX  | USD  | - |
| Bitstamp   | PAX  | USD  | - |
| Coinbase   | PAX  | USD  | - |
| BitTrex    | PLA  | BTC  | - |

|            |      |      |   |
|------------|------|------|---|
| HitBTC     | PLA  | BTC  | - |
| crex24     | PLF  | BTC  | - |
| bw         | PLF  | ETH  | - |
| crex24     | PLF  | ETH  | - |
| CoinBene   | PLF  | USDT | - |
| crex24     | PLF  | USDT | - |
| Liquid     | PMA  | BTC  | - |
| OKEX       | PNK  | ETH  | - |
| Bitfinex   | PNT  | ETH  | - |
| HitBTC     | PNT  | ETH  | - |
| LBank      | PNT  | ETH  | - |
| LiveCoin   | POLS | ETH  | - |
| huobikorea | POLS | ETH  | - |
| huobikorea | POLY | ETH  | - |
| Bitfinex   | PPAI | BTC  | - |
| huobikorea | PPAI | BTC  | - |
| HuobiPro   | PPAI | ETH  | - |
| LBank      | PPAI | ETH  | - |
| huobikorea | PPAI | ETH  | - |
| Bibox      | PRA  | ETH  | - |
| BitZ       | PRA  | ETH  | - |
| OKEX       | PRA  | ETH  | - |
| BitTrex    | PRE  | BTC  | - |
| Upbit      | PRO  | BTC  | - |
| huobikorea | PRO  | BTC  | - |
| LBank      | PST  | ETH  | - |
| OKEX       | PST  | ETH  | - |
| Upbit      | PTOY | BTC  | - |
| BitTrex    | PYR  | BTC  | - |
| LBank      | QKC  | ETH  | - |
| Kucoin     | QLC  | BTC  | - |
| Tidex      | QRL  | BTC  | - |
| Upbit      | QRL  | BTC  | - |
| huobikorea | QSP  | BTC  | - |
| Binance    | QSP  | ETH  | - |
| HuobiPro   | QSP  | ETH  | - |
| Kucoin     | QSP  | ETH  | - |
| Liquid     | RBTC | BTC  | - |
| OKEX       | RCN  | USDT | - |
| Coinone    | REP  | KRW  | - |
| Kucoin     | REV  | BTC  | - |
| HitBTC     | REV  | ETH  | - |
| Kucoin     | REV  | ETH  | - |
| OKEX       | REV  | ETH  | - |
| Bibox      | REVV | USDT | - |
| P2PB2B     | REVV | USDT | - |
| OKEX       | RFR  | USDT | - |
| LBank      | RNT  | USDT | - |
| bitmax     | RNT  | USDT | - |
| bitcoincom | RSV  | USDT | - |
| BitTrex    | SAI  | BTC  | - |
| Bitfinex   | SAI  | BTC  | - |

|            |         |      |   |
|------------|---------|------|---|
| Upbit      | SAI     | BTC  | - |
| BitMart    | SAND    | ETH  | - |
| BitZ       | SERO    | USDT | - |
| biki       | SERO    | USDT | - |
| BTCAlpha   | SIB     | BTC  | - |
| Upbit      | SIB     | BTC  | - |
| BitTrex    | SLR     | BTC  | - |
| Bleutrade  | SLR     | BTC  | - |
| Lykke      | SLR     | BTC  | - |
| huobikorea | SMT     | BTC  | - |
| HuobiPro   | SMT     | ETH  | - |
| huobikorea | SMT     | ETH  | - |
| huobikorea | SMT     | USDT | - |
| huobikorea | SNC     | ETH  | - |
| Bibox      | SNOV    | ETH  | - |
| Kucoin     | SNOV    | ETH  | - |
| Tidex      | SNOV    | ETH  | - |
| huobikorea | SNX     | KRW  | - |
| OKEX       | SOC     | BTC  | - |
| huobikorea | SOC     | BTC  | - |
| huobikorea | SOC     | USDT | - |
| HitBTC     | SPF     | BTC  | - |
| Kucoin     | SPF     | BTC  | - |
| OKEX       | SPF     | BTC  | - |
| HitBTC     | SPF     | ETH  | - |
| Kucoin     | SPF     | ETH  | - |
| OKEX       | SPF     | ETH  | - |
| BitZ       | SPHTX   | BTC  | - |
| Kucoin     | SPHTX   | BTC  | - |
| Liquid     | SPHTX   | BTC  | - |
| IDEX       | STAKE   | ETH  | - |
| huobikorea | STAKE   | ETH  | - |
| huobikorea | STEEM   | ETH  | - |
| HuobiPro   | STK     | BTC  | - |
| Kucoin     | STK     | BTC  | - |
| huobikorea | STK     | BTC  | - |
| HuobiPro   | STK     | ETH  | - |
| Kucoin     | STK     | ETH  | - |
| huobikorea | STK     | ETH  | - |
| Upbit      | STMX    | ETH  | - |
| HitBTC     | STOX    | ETH  | - |
| Liquid     | STOX    | ETH  | - |
| Poloniex   | STRAX   | BTC  | - |
| Upbit      | STRAX   | ETH  | - |
| OKEX       | SUB     | USDT | - |
| ZB         | SUB     | USDT | - |
| BitTrex    | SUTER   | USDT | - |
| LBank      | SUTER   | USDT | - |
| bitmax     | SWINGBY | USDT | - |
| BitTrex    | SWT     | BTC  | - |
| Upbit      | SWT     | BTC  | - |
| Upbit      | SYS     | BTC  | - |

|            |       |      |   |
|------------|-------|------|---|
| bw         | SYS   | BTC  | - |
| Bibox      | TEL   | ETH  | - |
| BitTrex    | TIME  | BTC  | - |
| Tidex      | TIME  | BTC  | - |
| BitTrex    | TIME  | ETH  | - |
| huobikorea | TITAN | USDT | - |
| BitTrex    | TIX   | ETH  | - |
| HitBTC     | TIX   | ETH  | - |
| Upbit      | TIX   | ETH  | - |
| HitBTC     | TNT   | BTC  | - |
| HuobiPro   | TNT   | BTC  | - |
| huobikorea | TNT   | BTC  | - |
| Binance    | TNT   | ETH  | - |
| HitBTC     | TNT   | ETH  | - |
| HuobiPro   | TNT   | ETH  | - |
| Bitforex   | TOMO  | ETH  | - |
| HuobiPro   | TRB   | ETH  | - |
| OKEX       | TRB   | ETH  | - |
| huobikorea | TRB   | ETH  | - |
| OKEX       | TRIO  | BTC  | - |
| huobikorea | TRIO  | BTC  | - |
| OKEX       | TRIO  | ETH  | - |
| huobikorea | TRIO  | ETH  | - |
| CoinEx     | TRX   | BCH  | - |
| bitcoincom | TRX   | BCH  | - |
| Bibox      | TTC   | BTC  | - |
| BitTrex    | TTC   | BTC  | - |
| Upbit      | TTC   | BTC  | - |
| BTCAlpha   | UBEX  | BTC  | - |
| BitMart    | UBEX  | BTC  | - |
| LBank      | UBEX  | BTC  | - |
| BTCAlpha   | UBEX  | ETH  | - |
| BitMart    | UBEX  | ETH  | - |
| gopax      | UNI   | KRW  | - |
| huobikorea | UNI   | KRW  | - |
| Bibox      | UPP   | BTC  | - |
| Kucoin     | USDC  | ETH  | - |
| LAToken    | USDC  | ETH  | - |
| Tidex      | USDN  | USDT | - |
| BitTrex    | USDT  | BTC  | - |
| Bleutrade  | USDT  | BTC  | - |
| OKCoin     | USDT  | BTC  | - |
| bw         | USDT  | QC   | - |
| LBank      | USDT  | TUSD | - |
| btse       | USDT  | TUSD | - |
| Coinsbit   | USDT  | UAH  | - |
| huobikorea | UUU   | BTC  | - |
| HADAX      | UUU   | ETH  | - |
| huobikorea | UUU   | ETH  | - |
| BitTrex    | VELAS | USDT | - |
| HitBTC     | VELAS | USDT | - |
| probit     | VELAS | USDT | - |

|            |       |      |   |
|------------|-------|------|---|
| Binance    | VEN   | BTC  | - |
| HitBTC     | VEN   | BTC  | - |
| HuobiPro   | VEN   | BTC  | - |
| Binance    | VEN   | ETH  | - |
| HitBTC     | VEN   | ETH  | - |
| HuobiPro   | VEN   | ETH  | - |
| huobikorea | VET   | KRW  | - |
| HitBTC     | VET   | USD  | - |
| BitTrex    | VIB   | ETH  | - |
| huobikorea | VIDY  | USDT | - |
| OKEX       | VITE  | BTC  | - |
| OKEX       | VITE  | ETH  | - |
| bitcoincom | VLX   | BTC  | - |
| huobikorea | WAVES | KRW  | - |
| Bleutrade  | WDC   | BTC  | - |
| Cexio      | WDC   | BTC  | - |
| Poloniex   | WDC   | BTC  | - |
| huobikorea | WICC  | BTC  | - |
| LBank      | WICC  | ETH  | - |
| huobikorea | WICC  | ETH  | - |
| huobikorea | WICC  | USDT | - |
| CoinEx     | WINGS | BTC  | - |
| Binance    | WINGS | ETH  | - |
| BitTrex    | WINGS | ETH  | - |
| Upbit      | WINGS | ETH  | - |
| OKEX       | WNXM  | ETH  | - |
| huobikorea | WNXM  | ETH  | - |
| Liquid     | WOM   | USDT | - |
| Binance    | WPR   | BTC  | - |
| HuobiPro   | WPR   | BTC  | - |
| huobikorea | WPR   | BTC  | - |
| Bitfinex   | WTC   | ETH  | - |
| Gateio     | WTC   | ETH  | - |
| LAToken    | WTC   | ETH  | - |
| BitTrex    | XAUR  | BTC  | - |
| Upbit      | XAUR  | BTC  | - |
| BitTrex    | XCP   | BTC  | - |
| Poloniex   | XCP   | BTC  | - |
| BitTrex    | XDN   | BTC  | - |
| Upbit      | XDN   | BTC  | - |
| huobikorea | XEM   | KRW  | - |
| CoinEx     | XLM   | BCH  | - |
| bitcoincom | XLM   | BCH  | - |
| Bitfinex   | XLM   | JPY  | - |
| CoinEx     | XMR   | BCH  | - |
| bitcoincom | XMR   | BCH  | - |
| ABCC       | XXM   | BTC  | - |
| BitZ       | XXM   | BTC  | - |
| BitTrex    | XMY   | BTC  | - |
| Cexio      | XMY   | BTC  | - |
| Poloniex   | XMY   | BTC  | - |
| HitBTC     | XNS   | BTC  | - |



|            |         |      |   |
|------------|---------|------|---|
| Kucoin     | XNS     | BTC  | - |
| bitmax     | XNS     | BTC  | - |
| HitBTC     | XNS     | USDT | - |
| Kucoin     | XNS     | USDT | - |
| bitmax     | XNS     | USDT | - |
| BitZ       | XPM     | BTC  | - |
| Bleutrade  | XPM     | BTC  | - |
| Poloniex   | XPM     | BTC  | - |
| OKEX       | XPR     | BTC  | - |
| bitcoincom | XRP     | BCH  | - |
| Binance    | XRPBEAR | USDT | - |
| bkex       | XRPBEAR | USDT | - |
| BitMart    | XSR     | USDT | - |
| LAToken    | XSR     | USDT | - |
| OKEX       | XUC     | BTC  | - |
| ZB         | XUC     | BTC  | - |
| huobikorea | YAM     | USDT | - |
| Bibox      | YAMV2   | USDT | - |
| CoinBene   | YAMV2   | USDT | - |
| huobikorea | YAMV2   | USDT | - |
| OKEX       | YEE     | BTC  | - |
| huobikorea | YEE     | BTC  | - |
| Korbit     | YFI     | KRW  | - |
| huobikorea | YFI     | KRW  | - |
| bw         | ZB      | USDT | - |
| BitMart    | ZCO     | BTC  | - |
| Liquid     | ZCO     | BTC  | - |
| OKEX       | ZCO     | BTC  | - |
| CoinEx     | ZEC     | BCH  | - |
| bitcoincom | ZEC     | BCH  | - |
| HuobiPro   | ZLA     | ETH  | - |
| LAToken    | ZLA     | ETH  | - |
| huobikorea | ZLA     | ETH  | - |
| BitZ       | ZPR     | ETH  | - |
| Liquid     | ZPR     | ETH  | - |
| HitBTC     | ZPT     | BTC  | - |
| Kucoin     | ZPT     | BTC  | - |
| ZB         | TRUE    | BTC  | - |
| LBank      | BIPX    | USDT | - |
| CoinBene   | EDR     | ETH  | - |
| HitBTC     | PIX     | ETH  | - |
| Bibox      | TTC     | ETH  | - |
| HitBTC     | VIT     | ETH  | - |
| LBank      | VOLLAR  | BTC  | - |
| TokenStore | WEB     | ETH  | - |
| IDEX       | WISH    | ETH  | - |
| BitMart    | YAP     | BTC  | - |
| IDEX       | ZXC     | ETH  | - |
| HitBTC     | 1ST     | BTC  | - |
| HitBTC     | 1ST     | ETH  | - |
| BitTrex    | 8BIT    | BTC  | - |
| Bleutrade  | ADC     | DOGE | - |

|           |        |        |   |
|-----------|--------|--------|---|
| Bleutrade | ADC    | ETH    | - |
| HitBTC    | ADX    | USDT   | - |
| Tidex     | AGI    | USDT   | - |
| Kucoin    | AIX    | ETH    | - |
| Binance   | ALGO   | USDC   | - |
| BitTrex   | AMS    | BTC    | - |
| BitTrex   | ARB    | BTC    | - |
| LAToken   | ATCC   | BTC    | - |
| OKEX      | ATL    | ETH    | - |
| Bitfinex  | AUTON  | ETH    | - |
| BitTrex   | AXIOM  | BTC    | - |
| Tidex     | B2B    | ETH    | - |
| HitBTC    | B2X    | ETH    | - |
| HitBTC    | BCCOIN | BTC    | - |
| BitTrex   | BCF    | BTC    | - |
| Bleutrade | BCH    | DOGE   | - |
| HitBTC    | BCH    | EURS   | - |
| BTCAlpha  | BDX    | BTC    | - |
| BTCAlpha  | BDX    | USDT   | - |
| HitBTC    | BEZ    | BTC    | - |
| BitTrex   | BITZ   | BTC    | - |
| OKEX      | BKX    | ETH    | - |
| Bleutrade | BLK    | DOGE   | - |
| Bleutrade | BLK    | ETH    | - |
| BitTrex   | BLU    | BTC    | - |
| Bitfinex  | BNN    | ETH    | - |
| Gateio    | BOT    | ETH    | - |
| bw        | BRG    | BTC    | - |
| crex24    | BRO    | BTC    | - |
| Bleutrade | BSTY   | DOGE   | - |
| Bleutrade | BTA    | DOGE   | - |
| Bleutrade | BTA    | ETH    | - |
| CoinEx    | BTC    | BCH    | - |
| BitTrex   | BTC    | BITCNY | - |
| Bleutrade | BTC    | DOGE   | - |
| Bitstamp  | BTC    | PAX    | - |
| BTCAlpha  | BTCZ   | ETH    | - |
| Binance   | BTMK   | ETH    | - |
| BitZ      | BTX    | ETH    | - |
| BitTrex   | BUCKS  | BTC    | - |
| BitTrex   | BYC    | BTC    | - |
| Bibox     | BZNT   | ETH    | - |
| Poloniex  | C2     | BTC    | - |
| Bleutrade | CANN   | DOGE   | - |
| HitBTC    | CAS    | ETH    | - |
| crex24    | CBX    | BTC    | - |
| BitTrex   | CC     | BTC    | - |
| BTCAlpha  | CCRB   | BTC    | - |
| HitBTC    | CCT    | ETH    | - |
| Bleutrade | CDN    | BTC    | - |
| Bleutrade | CDN    | DOGE   | - |
| Bleutrade | CDN    | ETH    | - |

|            |       |      |   |
|------------|-------|------|---|
| Bitfinex   | CFI   | BTC  | - |
| Bitfinex   | CFI   | ETH  | - |
| BitTrex    | CIRC  | BTC  | - |
| HitBTC     | CL    | BTC  | - |
| HitBTC     | CL    | ETH  | - |
| Bleutrade  | CLAM  | DOGE | - |
| Bleutrade  | CLAM  | ETH  | - |
| HitBTC     | CLN   | ETH  | - |
| BitTrex    | CLUB  | BTC  | - |
| RightBTC   | CMC   | BTC  | - |
| BitTrex    | CNS   | USDT | - |
| bw         | CONUN | BTC  | - |
| BitTrex    | COSM  | BTC  | - |
| LAToken    | COU   | ETH  | - |
| bitmax     | COVA  | ETH  | - |
| Binance    | COVER | ETH  | - |
| BitTrex    | CRAVE | BTC  | - |
| HitBTC     | CSM   | BTC  | - |
| bitmax     | CWS   | USDT | - |
| BitTrex    | CYP   | BTC  | - |
| Kucoin     | DACC  | ETH  | - |
| Bitfinex   | DADI  | BTC  | - |
| Bitfinex   | DADI  | ETH  | - |
| Bleutrade  | DASH  | DOGE | - |
| Cexio      | DASH  | GBP  | - |
| Bleutrade  | DCR   | DOGE | - |
| Bleutrade  | DGC   | DOGE | - |
| Bitfinex   | DGX   | ETH  | - |
| HitBTC     | DICE  | ETH  | - |
| crex24     | DIME  | BTC  | - |
| Binance    | DLT   | ETH  | - |
| OKEX       | DNA   | BTC  | - |
| OKEX       | DNT   | USDT | - |
| Nexchange  | DOGE  | GBP  | - |
| CoinDeal   | DOGE  | XRP  | - |
| BitTrex    | DOGED | BTC  | - |
| Bleutrade  | DP    | DOGE | - |
| HuobiPro   | DTA   | ETH  | - |
| HitBTC     | DTR   | ETH  | - |
| Liquid     | EARTH | ETH  | - |
| CoinFalcon | ECA   | ETH  | - |
| Tidex      | ECHT  | ETH  | - |
| Kucoin     | EDN   | ETH  | - |
| Bitfinex   | EDO   | BTC  | - |
| Bitfinex   | EDO   | ETH  | - |
| Kucoin     | ELIX  | ETH  | - |
| Graviex    | EMD   | BTC  | - |
| Graviex    | EMD   | LTC  | - |
| OKEX       | ENG   | USDT | - |
| Nebula     | EQC   | ETH  | - |
| IDEX       | EQL   | ETH  | - |
| uniswapv2  | ERN   | USDT | - |

|                |       |      |   |
|----------------|-------|------|---|
| HitBTC         | ESH   | BTC  | - |
| Bitfinex       | ESS   | ETH  | - |
| CoinBene       | ESS   | USDT | - |
| OKCoin         | ETC   | CNY  | - |
| OKCoin         | ETH   | CNY  | - |
| Bleutrade      | ETH   | DOGE | - |
| Nexchange      | ETH   | EOS  | - |
| Bitstamp       | ETH   | PAX  | - |
| Liquid         | ETH   | PHP  | - |
| BitBay         | ETH   | PLN  | - |
| Tidex          | ETT   | BTC  | - |
| BTCAlpha       | ETZ   | BTC  | - |
| BTCAlpha       | ETZ   | ETH  | - |
| BTCAlpha       | EVENC | BTC  | - |
| Kuna           | EVR   | BTC  | - |
| Bibox          | EXC   | ETH  | - |
| crex24         | EXO   | BTC  | - |
| Kucoin         | EXY   | ETH  | - |
| Liquid         | EZT   | ETH  | - |
| OKEX           | FAIRG | BTC  | - |
| OKEX           | FAIRG | ETH  | - |
| Liquid         | FDX   | ETH  | - |
| HitBTC         | FIRO  | USD  | - |
| Bleutrade      | FJC   | BTC  | - |
| Bleutrade      | FJC   | DOGE | - |
| Bleutrade      | FJC   | ETH  | - |
| Poloniex       | FLT   | BTC  | - |
| Liquid         | FLUZ  | ETH  | - |
| crex24         | FREE  | BTC  | - |
| crex24         | FREE  | ETH  | - |
| BitTrex        | FRK   | BTC  | - |
| Bitfinex       | FSN   | ETH  | - |
| Cexio          | FTC   | LTC  | - |
| BitZ           | FTI   | BTC  | - |
| Liquid         | FTT   | ETH  | - |
| crex24         | FUND  | BTC  | - |
| IDEX           | FXC   | ETH  | - |
| HitBTC         | FYN   | ETH  | - |
| Bleutrade      | GB    | BTC  | - |
| Bleutrade      | GB    | DOGE | - |
| Bitfinex       | GEN   | ETH  | - |
| bitcoincom     | GHOST | ETH  | - |
| Yobit          | GLC   | DOGE | - |
| LBank          | GLEEC | BTC  | - |
| crex24         | GLT   | BTC  | - |
| BitTrex        | GOLOS | BTC  | - |
| BitTrex        | GP    | BTC  | - |
| Kraken         | GRAPH | ETH  | - |
| StocksExchange | GRFT  | BTC  | - |
| OKEX           | GSC   | ETH  | - |
| OKEX           | GTO   | ETH  | - |
| LAToken        | GUSD  | ETH  | - |

|            |         |      |   |
|------------|---------|------|---|
| HuobiPro   | GXS     | BTC  | - |
| BitTrex    | HAL     | BTC  | - |
| Kucoin     | HKN     | ETH  | - |
| OKEX       | HMC     | ETH  | - |
| ZB         | HSR     | USDT | - |
| Kucoin     | HST     | ETH  | - |
| LBank      | HTDF    | USDT | - |
| Bitfinex   | HYDROP  | BTC  | - |
| Bitfinex   | HYDROP  | ETH  | - |
| Bibox      | HYN     | USDT | - |
| BitTrex    | HYPER   | BTC  | - |
| Kraken     | ICN     | BTC  | - |
| BitTrex    | IEC     | BTC  | - |
| BitZ       | ILC     | USDT | - |
| Liquid     | IND     | BTC  | - |
| Kucoin     | ING     | ETH  | - |
| HitBTC     | INK     | USD  | - |
| Bitfinex   | IQ      | EOS  | - |
| Yobit      | IQN     | BTC  | - |
| Cexio      | IXC     | BTC  | - |
| TokenStore | JET     | ETH  | - |
| Gateio     | JNT     | ETH  | - |
| HitBTC     | JST     | USD  | - |
| crex24     | KUBO    | BTC  | - |
| Coinone    | LAMB    | KRW  | - |
| HitBTC     | LATX    | BTC  | - |
| crex24     | LCP     | BTC  | - |
| Liquid     | LDC     | ETH  | - |
| BitTrex    | LDOGE   | BTC  | - |
| OKEX       | LEV     | ETH  | - |
| BitTrex    | LIMX    | BTC  | - |
| Bleutrade  | LINDA   | DOGE | - |
| Bibox      | LITION  | ETH  | - |
| IDEX       | LNC     | ETH  | - |
| Kucoin     | LOCI    | ETH  | - |
| ZB         | LTBTC   | BTC  | - |
| ZB         | LTBTC   | USDT | - |
| OKCoin     | LTC     | CNY  | - |
| Bleutrade  | LTC     | DOGE | - |
| bitmax     | LTCBEAR | USDT | - |
| bitmax     | LTCBULL | USDT | - |
| IDEX       | LTO     | ETH  | - |
| BitTrex    | MAPC    | BTC  | - |
| BitTrex    | MAX     | BTC  | - |
| OKEX       | MCO     | BTC  | - |
| Cexio      | MEC     | LTC  | - |
| Bitfinex   | MGO     | USD  | - |
| Poloniex   | MIST    | USDT | - |
| CBX        | MIXI    | BTC  | - |
| BTCAlpha   | MNC     | BTC  | - |
| BTCAlpha   | MNC     | ETH  | - |
| BTCAlpha   | MNC     | USD  | - |

|           |       |      |   |
|-----------|-------|------|---|
| BTCAlpha  | MNC   | USDT | - |
| Bleutrade | MONA  | USDT | - |
| Bibox     | MT    | BTC  | - |
| Kucoin    | MTC   | ETH  | - |
| Bleutrade | MUE   | DOGE | - |
| Kucoin    | MWAT  | ETH  | - |
| Gateio    | NBAI  | ETH  | - |
| Upbit     | NCASH | BTC  | - |
| HitBTC    | NDC   | ETH  | - |
| BitTrex   | NET   | BTC  | - |
| BitTrex   | NKT   | BTC  | - |
| Bleutrade | NLG   | DOGE | - |
| Kraken    | NMC   | BTC  | - |
| Poloniex  | NSR   | BTC  | - |
| Bleutrade | NVC   | BTC  | - |
| Bleutrade | NVC   | DOGE | - |
| Bleutrade | NVC   | ETH  | - |
| HuobiPro  | OCN   | ETH  | - |
| Bibox     | OIN   | USDT | - |
| Bleutrade | OK    | DOGE | - |
| Bleutrade | OK    | ETH  | - |
| Kucoin    | OMX   | ETH  | - |
| BitMart   | ONE   | ETH  | - |
| Kucoin    | ONION | ETH  | - |
| BitTrex   | ORB   | BTC  | - |
| Liquid    | ORBS  | ETH  | - |
| Bibox     | ORME  | USDT | - |
| Bitfinex  | ORS   | ETH  | - |
| HitBTC    | OTX   | BTC  | - |
| Bibox     | PAI   | ETH  | - |
| Poloniex  | PASC  | BTC  | - |
| Kucoin    | PBL   | ETH  | - |
| HitBTC    | PCL   | ETH  | - |
| fatbtc    | PFR   | ETH  | - |
| HitBTC    | PLA   | USDT | - |
| P2PB2B    | PLAC  | BTC  | - |
| BitTrex   | PND   | BTC  | - |
| Bleutrade | PPC   | DOGE | - |
| Bleutrade | PPC   | ETH  | - |
| OKEX      | PRO   | USDT | - |
| HitBTC    | PROC  | BTC  | - |
| bitmax    | PROM  | USDT | - |
| BitTrex   | PTC   | BTC  | - |
| LBank     | PTT   | ETH  | - |
| Kucoin    | PURA  | BTC  | - |
| BitZ      | PUT   | BTC  | - |
| BitZ      | PUT   | ETH  | - |
| BitTrex   | PXI   | BTC  | - |
| BTCAlpha  | PZM   | BTC  | - |
| HitBTC    | QAU   | ETH  | - |
| Liquid    | QTUM  | JPY  | - |
| OKEX      | RCT   | ETH  | - |

|           |       |      |   |
|-----------|-------|------|---|
| Bleutrade | RDD   | DOGE | - |
| Bleutrade | RDD   | ETH  | - |
| Bleutrade | RDD   | USDT | - |
| BitZ      | REBL  | ETH  | - |
| Liquid    | RKT   | ETH  | - |
| LAToken   | RLX   | ETH  | - |
| OKEX      | RSR   | ETH  | - |
| Bibox     | RTE   | BTC  | - |
| Graviex   | RUPX  | BTC  | - |
| BitTrex   | SAI   | USDT | - |
| Liquid    | SAL   | ETH  | - |
| Liquid    | SGN   | ETH  | - |
| Liquid    | SGR   | BTC  | - |
| CoinBene  | SHE   | BTC  | - |
| BCEX      | SHE   | ETH  | - |
| Graviex   | SHND  | DOGE | - |
| P2PB2B    | SHX   | BTC  | - |
| CoinBene  | SKB   | BTC  | - |
| CoinBene  | SKM   | ETH  | - |
| Binance   | SKY   | BTC  | - |
| BitTrex   | SLING | BTC  | - |
| Bleutrade | SMART | DOGE | - |
| Binance   | SNGLS | BTC  | - |
| Bitfinex  | SNGLS | ETH  | - |
| OKEX      | SNGLS | USDT | - |
| LAToken   | SOMA  | ETH  | - |
| Bitfinex  | SPANK | ETH  | - |
| BitTrex   | SPR   | BTC  | - |
| BitTrex   | SPRTS | BTC  | - |
| HuobiPro  | SRN   | ETH  | - |
| BitZ      | SS    | ETH  | - |
| Bleutrade | START | DOGE | - |
| Bleutrade | START | ETH  | - |
| IDEX      | SXDT  | ETH  | - |
| Bibox     | SXUT  | ETH  | - |
| Binance   | SYS   | ETH  | - |
| HitBTC    | TAAS  | ETH  | - |
| LAToken   | TEN   | ETH  | - |
| Bitforex  | TERN  | ETH  | - |
| BitTrex   | TES   | BTC  | - |
| Kucoin    | TFL   | ETH  | - |
| Liquid    | THRT  | ETH  | - |
| Tidex     | TIE   | ETH  | - |
| Lykke     | TIME  | USD  | - |
| BitTrex   | TIT   | BTC  | - |
| Bitfinex  | TKN   | USD  | - |
| Gateio    | TNC   | BTC  | - |
| Gateio    | TNC   | USDT | - |
| HitBTC    | TNCC  | USDT | - |
| ABCC      | TNS   | BTC  | - |
| IDEX      | TOL   | ETH  | - |
| Liquid    | TPAY  | BTC  | - |

|           |       |      |   |
|-----------|-------|------|---|
| Nlexch    | TRC   | BTC  | - |
| BitTrex   | TRK   | BTC  | - |
| BitTrex   | TRST  | ETH  | - |
| Kucoin    | TRTL  | BTC  | - |
| Kucoin    | TRTL  | ETH  | - |
| Bitfinex  | TRX   | GBP  | - |
| OKEX      | TUSD  | BTC  | - |
| LAToken   | UBC   | ETH  | - |
| HuobiPro  | UGAS  | ETH  | - |
| BigONE    | UIP   | BTC  | - |
| LBank     | UIP   | ETH  | - |
| Bleutrade | UNO   | DOGE | - |
| Bleutrade | UNO   | ETH  | - |
| Bleutrade | UNO   | USDT | - |
| Bleutrade | USDT  | DOGE | - |
| Nexchange | USDT  | LTC  | - |
| BitTrex   | UTC   | BTC  | - |
| Bitfinex  | UTNP  | ETH  | - |
| Bitfinex  | VEE   | ETH  | - |
| OKEX      | VIU   | ETH  | - |
| HitBTC    | VME   | ETH  | - |
| Kucoin    | VOL   | USDT | - |
| LBank     | VTHO  | BTC  | - |
| Binance   | WABI  | ETH  | - |
| BitTrex   | WBB   | BTC  | - |
| Bleutrade | WDC   | DOGE | - |
| Cexio     | WDC   | LTC  | - |
| Bitfinex  | WPR   | ETH  | - |
| Bitfinex  | WTC   | USD  | - |
| Poloniex  | XCN   | BTC  | - |
| BitTrex   | XCO   | BTC  | - |
| CoinDeal  | XFC   | BTC  | - |
| Bibox     | XFI   | USDT | - |
| BitBay    | XIN   | BTC  | - |
| BitTrex   | XMS   | BTC  | - |
| Upbit     | XNK   | BTC  | - |
| Bleutrade | XP    | BTC  | - |
| Bleutrade | XP    | DOGE | - |
| Bleutrade | XP    | ETH  | - |
| BitTrex   | XPD   | BTC  | - |
| BitTrex   | XPY   | BTC  | - |
| BitTrex   | XRA   | BTC  | - |
| Bitfinex  | XRA   | ETH  | - |
| Liquid    | XRP   | IDR  | - |
| coinall   | XSN   | BTC  | - |
| probit    | XSPEC | BTC  | - |
| Bitfinex  | XVG   | EUR  | - |
| Bleutrade | XVP   | BTC  | - |
| LBank     | XWC   | ETH  | - |
| Bibox     | YFV   | USDT | - |
| Bitforex  | YO    | ETH  | - |
| BTCAlpha  | YOC   | BTC  | - |



|           |       |      |   |
|-----------|-------|------|---|
| Bitfinex  | YOYOW | ETH  | - |
| coineal   | YTA   | USDT | - |
| Poloniex  | ZEC   | XMR  | - |
| Bleutrade | ZET   | DOGE | - |
| OKEX      | ZIP   | ETH  | - |

## Markets to be included

| <b>exchange</b> | <b>fsym</b> | <b>tsym</b> | <b>grade</b> |
|-----------------|-------------|-------------|--------------|
| OKCoin          | ETH         | BTC         | A            |
| crosstower      | ETH         | BTC         | A            |
| ftx             | XRP         | BTC         | A            |
| Bitstamp        | BTC         | USDT        | AA           |
| Bitstamp        | ETH         | USDT        | AA           |
| OKCoin          | ETH         | USDT        | A            |
| ftx             | BTC         | EUR         | A            |
| ftx             | LTC         | USDT        | A            |
| Bitforex        | TRX         | BTC         | C            |
| ftx             | TRX         | BTC         | A            |
| crosstower      | BTC         | USD         | A            |
| Bitfinex        | XRP         | USDT        | A            |
| Bitstamp        | XRP         | USDT        | AA           |
| ftx             | XRP         | USDT        | A            |
| Bitstamp        | BAT         | BTC         | AA           |
| Coinbase        | BAT         | BTC         | AA           |
| ftx             | BCH         | USDT        | A            |
| ftx             | ETH         | EUR         | A            |
| Bitfinex        | NEO         | USDT        | A            |
| Bitforex        | LINK        | BTC         | C            |
| ftx             | LINK        | BTC         | A            |
| Bitfinex        | TRX         | USDT        | A            |
| ftx             | TRX         | USDT        | A            |
| Bitfinex        | XLM         | USDT        | A            |
| Coinbase        | XLM         | USDT        | AA           |
| crosstower      | ETH         | USD         | A            |
| Coinbase        | LINK        | USDT        | AA           |
| ftx             | LINK        | USDT        | A            |
| Bitfinex        | ADA         | USDT        | A            |
| Coinbase        | ADA         | USDT        | AA           |
| Bitfinex        | ATOM        | USDT        | A            |
| Coinbase        | ATOM        | USDT        | AA           |
| ftx             | ATOM        | USDT        | A            |
| crosstower      | BTC         | USDC        | A            |
| lmax            | BTC         | USDC        | A            |
| ftx             | DOGE        | BTC         | A            |

|              |       |      |    |
|--------------|-------|------|----|
| Bitstamp     | ADA   | BTC  | AA |
| Coinbase     | ADA   | BTC  | AA |
| Bitstamp     | ALGO  | BTC  | AA |
| Bitfinex     | BAT   | USDT | A  |
| Bitfinex     | ETC   | USDT | A  |
| Coinbase     | MANA  | BTC  | AA |
| Coinbase     | USDP  | USDT | AA |
| P2PB2B       | BAND  | USDT | BB |
| ftx          | BCH   | USD  | A  |
| lmax         | BTC   | GBP  | A  |
| Coinbase     | LRC   | USDT | AA |
| crosstower   | LTC   | USD  | A  |
| Bitstamp     | MKR   | BTC  | AA |
| Kraken       | MKR   | BTC  | AA |
| Bitfinex     | SHIB  | USDT | A  |
| Cexio        | SHIB  | USDT | A  |
| Coinbase     | SHIB  | USDT | AA |
| ftx          | AVAX  | USDT | A  |
| Bitfinex     | AXS   | USDT | A  |
| ftx          | COMP  | USDT | A  |
| Bitfinex     | DOGE  | USDT | A  |
| Coinbase     | DOGE  | USDT | AA |
| Kraken       | DOGE  | USDT | AA |
| ftx          | DOGE  | USDT | A  |
| Bitfinex     | MKR   | USDT | A  |
| ftx          | MKR   | USDT | A  |
| Bitfinex     | THETA | USDT | A  |
| Cexio        | UNI   | USDT | A  |
| ftx          | UNI   | USDT | A  |
| Bitfinex     | VET   | USDT | A  |
| Bitfinex     | XTZ   | USDT | A  |
| Bitstamp     | YFI   | BTC  | AA |
| Cexio        | YFI   | USDT | A  |
| ftx          | YFI   | USDT | A  |
| Bitfinex     | 1INCH | USDT | A  |
| Bitstamp     | AAVE  | BTC  | AA |
| Binance      | ATOM  | ETH  | AA |
| Bitstamp     | COMP  | BTC  | AA |
| cryptodotcom | CRO   | USDT | BB |
| Coinbase     | CRO   | USDT | AA |
| Bitfinex     | CRV   | USDT | A  |
| Cexio        | DAI   | USDT | A  |
| lmax         | ETH   | GBP  | A  |
| Bitfinex     | GRT   | USDT | A  |
| ftx          | LUNA  | USDT | A  |
| Bitfinex     | MATIC | BTC  | A  |
| Kraken       | MATIC | BTC  | AA |
| ftx          | MATIC | BTC  | A  |
| Cexio        | TUSD  | USDT | A  |
| Bitstamp     | UNI   | BTC  | AA |
| crosstower   | UNI   | BTC  | A  |
| Bitstamp     | USDC  | USDT | AA |

|              |       |      |    |
|--------------|-------|------|----|
| Bitstamp     | WBTC  | BTC  | AA |
| OKCoin       | WBTC  | BTC  | A  |
| Cexio        | YFII  | USDT | A  |
| Coinbase     | ZEN   | USDT | AA |
| ftx          | BAL   | USDT | A  |
| Coinbase     | CHZ   | USDT | AA |
| cryptodotcom | CRO   | BTC  | BB |
| Cexio        | DOGE  | USD  | A  |
| Bitfinex     | DOT   | BTC  | A  |
| Coinbase     | DOT   | BTC  | AA |
| ftx          | DOT   | BTC  | A  |
| Coinbase     | DOT   | USDT | AA |
| ftx          | DOT   | USDT | A  |
| lmax         | ETH   | USDC | A  |
| Bitfinex     | ICP   | USDT | A  |
| itBit        | LINK  | USD  | A  |
| Binance      | LTC   | EUR  | AA |
| OKCoin       | MATIC | USD  | A  |
| Bitfinex     | MATIC | USDT | A  |
| Coinbase     | MATIC | USDT | AA |
| Bitfinex     | SNX   | USDT | A  |
| ftx          | SUSHI | USDT | A  |
| itBit        | UNI   | USD  | A  |
| Bitfinex     | WAVES | USDT | A  |
| Bitfinex     | ZIL   | BTC  | A  |
| huobijapan   | ADA   | ETH  | B  |
| Bitso        | ADA   | USD  | B  |
| OKCoin       | ADA   | USD  | A  |
| DigiFinex    | ANT   | USDT | B  |
| Poloniex     | AVAX  | BTC  | B  |
| ftx          | AVAX  | BTC  | A  |
| Binance      | BCH   | EUR  | AA |
| Coinmate     | BCH   | EUR  | B  |
| Bitso        | COMP  | USD  | B  |
| Bibox        | EGLD  | USDT | B  |
| Bitso        | ENJ   | USD  | B  |
| OKCoin       | ENJ   | USD  | A  |
| Bibox        | ENJ   | USDT | B  |
| BitMart      | ENJ   | USDT | B  |
| CoinEx       | ENJ   | USDT | B  |
| Coinbase     | ENJ   | USDT | AA |
| Poloniex     | ENJ   | USDT | B  |
| ZBG          | ENJ   | USDT | B  |
| dcoin        | ENJ   | USDT | B  |
| bullish      | EOS   | USD  | B  |
| BitMart      | ETH   | DAI  | B  |
| BitMart      | FRONT | USDT | B  |
| Poloniex     | FRONT | USDT | B  |
| Bibox        | IMX   | USDT | B  |
| BitMart      | IMX   | USDT | B  |
| Poloniex     | IMX   | USDT | B  |
| ZBG          | IMX   | USDT | B  |

|                |        |      |    |
|----------------|--------|------|----|
| BitMart        | INJ    | USDT | B  |
| DigiFinex      | INJ    | USDT | B  |
| lmax           | LTC    | GBP  | A  |
| BitMart        | OCEAN  | USDT | B  |
| DigiFinex      | OXT    | USDT | B  |
| BitMart        | REEF   | USDT | B  |
| CoinEx         | REEF   | USDT | B  |
| DigiFinex      | REEF   | USDT | B  |
| BitMart        | SLP    | USDT | B  |
| Poloniex       | SLP    | USDT | B  |
| BitMart        | STORJ  | USDT | B  |
| Cexio          | STORJ  | USDT | A  |
| DigiFinex      | STORJ  | USDT | B  |
| blockchaincom  | USDC   | USD  | B  |
| bullish        | USDC   | USD  | B  |
| TheRockTrading | USDT   | EUR  | B  |
| Bibox          | WIN    | USDT | B  |
| blockchaincom  | XLM    | USD  | B  |
| Coinmate       | ADA    | EUR  | B  |
| BitMart        | ANKR   | USDT | B  |
| BitMart        | AUDIO  | USDT | B  |
| Poloniex       | AUDIO  | USDT | B  |
| DigiFinex      | BADGER | USDT | B  |
| Poloniex       | BADGER | USDT | B  |
| BitMart        | BUSD   | USDT | B  |
| Cexio          | BUSD   | USDT | A  |
| Binance        | CRV    | ETH  | AA |
| BitMart        | FTM    | USDT | B  |
| Poloniex       | FTM    | USDT | B  |
| DigiFinex      | IOTX   | USDT | B  |
| Coinbase       | MINA   | USDT | AA |
| Bibox          | NFT    | USDT | B  |
| BitMart        | NFT    | USDT | B  |
| Poloniex       | OGN    | USDT | B  |
| BitMart        | OM     | USDT | B  |
| Bitso          | OMG    | USD  | B  |
| BitMart        | QNT    | USDT | B  |
| DigiFinex      | SNT    | USDT | B  |
| Bibox          | SXP    | USDT | B  |
| BitMart        | SXP    | USDT | B  |
| dcoin          | SXP    | USDT | B  |
| Binance        | UNI    | ETH  | AA |
| TheRockTrading | UNI    | ETH  | B  |
| Bibox          | UST    | USDT | B  |
| Poloniex       | UST    | USDT | B  |
| ftx            | UST    | USDT | A  |
| Bitso          | YFI    | USD  | B  |
| Cexio          | YFI    | USD  | A  |
| ZBG            | ABBC   | USDT | B  |
| Bibox          | AGLD   | USDT | B  |
| Poloniex       | ALPHA  | USDT | B  |
| OKCoin         | ATOM   | USD  | A  |

|                |       |      |   |
|----------------|-------|------|---|
| ftx            | ATOM  | USD  | A |
| BitMart        | CELO  | USDT | B |
| Bitso          | CHZ   | USD  | B |
| OKCoin         | CHZ   | USD  | A |
| Poloniex       | CTSI  | USDT | B |
| blockchaincom  | DOT   | USD  | B |
| ftx            | DOT   | USD  | A |
| BitMart        | LTC   | USDC | B |
| BitMart        | MIR   | USDT | B |
| Poloniex       | MIR   | USDT | B |
| BitMart        | PERP  | USDT | B |
| ZBG            | POWR  | USDT | B |
| BitMart        | RARE  | USDT | B |
| TheRockTrading | SAND  | BTC  | B |
| BitMart        | SKL   | USDT | B |
| Poloniex       | SRM   | BTC  | B |
| Bitso          | SUSHI | USD  | B |
| Cexio          | SUSHI | USD  | A |
| OKCoin         | SUSHI | USD  | A |
| DigiFinex      | XDC   | USDT | B |
| lmax           | XRP   | GBP  | A |
| Poloniex       | XVS   | USDT | B |
| Bibox          | ALGO  | ETH  | B |
| OKCoin         | ALGO  | USD  | A |
| Bitso          | AXS   | USD  | B |
| OKCoin         | AXS   | USD  | A |
| BitMart        | CELR  | USDT | B |
| Bitso          | CRV   | USD  | B |
| Cexio          | CRV   | USD  | A |
| Bibox          | CVX   | USDT | B |
| BitMart        | CVX   | USDT | B |
| ZBG            | CVX   | USDT | B |
| btse           | CVX   | USDT | B |
| BitMart        | DODO  | USDT | B |
| Bitso          | GRT   | USD  | B |
| OKCoin         | GRT   | USD  | A |
| Cexio          | KNC   | USD  | A |
| Poloniex       | KP3R  | USDT | B |
| HitBTC         | MATIC | ETH  | B |
| Bibox          | MBOX  | USDT | B |
| Bibox          | MIOTA | USDT | B |
| Bitso          | MKR   | USD  | B |
| Cexio          | MKR   | USD  | A |
| OKCoin         | MKR   | USD  | A |
| crosstower     | MKR   | USD  | A |
| Poloniex       | RLC   | USDT | B |
| DigiFinex      | RLY   | USDT | B |
| Bitso          | SHIB  | USD  | B |
| Cexio          | SHIB  | USD  | A |
| OKCoin         | SHIB  | USD  | A |
| Bitso          | SNX   | USD  | B |
| Cexio          | SNX   | USD  | A |

|                |       |      |    |
|----------------|-------|------|----|
| OKCoin         | SNX   | USD  | A  |
| Cexio          | SOL   | USD  | A  |
| OKCoin         | SOL   | USD  | A  |
| Imax           | SOL   | USD  | A  |
| Bibox          | SPELL | USDT | B  |
| BitMart        | SPELL | USDT | B  |
| DigiFinex      | SPELL | USDT | B  |
| Poloniex       | SPELL | USDT | B  |
| CoinEx         | STEEM | BTC  | B  |
| bkex           | SUKU  | USDT | C  |
| ZBG            | SUKU  | USDT | B  |
| ZBG            | TVK   | USDT | B  |
| BitMart        | WBTC  | USDT | B  |
| Poloniex       | WBTC  | USDT | B  |
| Binance        | XTZ   | ETH  | AA |
| OKCoin         | XTZ   | USD  | A  |
| Cexio          | 1INCH | USD  | A  |
| Bibox          | ALCX  | USDT | B  |
| ZBG            | ALCX  | USDT | B  |
| Cexio          | BAND  | USD  | A  |
| Cexio          | BNB   | USD  | A  |
| DigiFinex      | CEL   | USDT | B  |
| TheRockTrading | CHZ   | EUR  | B  |
| DigiFinex      | COTI  | USDT | B  |
| BitMart        | CSPR  | USDT | B  |
| ZBG            | CSPR  | USDT | B  |
| ZBG            | DAR   | USDT | B  |
| BitMart        | DORA  | USDT | B  |
| Binance        | DOT   | ETH  | AA |
| blockchaincom  | DOT   | EUR  | B  |
| Poloniex       | ETH   | TUSD | B  |
| BitMart        | FET   | USDT | B  |
| DigiFinex      | FLUX  | USDT | B  |
| Poloniex       | FRONT | BTC  | B  |
| Bibox          | HNT   | USDT | B  |
| ftx            | HNT   | USDT | A  |
| BitMart        | ILV   | USDT | B  |
| ZBG            | ILV   | USDT | B  |
| BitMart        | KLAY  | USDT | B  |
| Poloniex       | LINK  | USDC | B  |
| Bitso          | LRC   | USD  | B  |
| Cexio          | LRC   | USD  | A  |
| OKCoin         | LRC   | USD  | A  |
| Bitso          | MANA  | USD  | B  |
| Cexio          | MANA  | USD  | A  |
| OKCoin         | MANA  | USD  | A  |
| crosstower     | MANA  | USD  | A  |
| ftx            | MANA  | USD  | A  |
| ftx            | MTA   | USDT | A  |
| Bibox          | MXC   | USDT | B  |
| aax            | ONGAS | USDT | BB |
| BitMart        | POLY  | USDT | B  |

|               |        |      |    |
|---------------|--------|------|----|
| DigiFinex     | POLY   | USDT | B  |
| DigiFinex     | RAY    | USDT | B  |
| Cexio         | SRM    | USD  | A  |
| BitMart       | STMX   | USDT | B  |
| blockchaincom | STX    | USDT | B  |
| Bibox         | SUNOLD | USDT | B  |
| Cexio         | UTK    | USDT | A  |
| BitMart       | VRA    | USDT | B  |
| BitMart       | WRX    | USDT | B  |
| ftx           | WRX    | USDT | A  |
| Poloniex      | ADA    | USDC | B  |
| Binance       | ATOM   | EUR  | AA |
| Poloniex      | AVA    | BTC  | B  |
| Poloniex      | AVA    | USDT | B  |
| Binance       | AVAX   | ETH  | AA |
| HitBTC        | AVAX   | ETH  | B  |
| Bitstamp      | AVAX   | USD  | AA |
| Cexio         | AVAX   | USD  | A  |
| ftx           | AVAX   | USD  | A  |
| Cexio         | BAL    | USD  | A  |
| lmax          | BCH    | GBP  | A  |
| Cexio         | BNT    | USD  | A  |
| OKCoin        | CRO    | USD  | A  |
| DigiFinex     | DENT   | USDT | B  |
| blockchaincom | DOT    | GBP  | B  |
| Bitso         | DYDX   | USD  | B  |
| Bitso         | FTM    | USD  | B  |
| DigiFinex     | FXS    | USDT | B  |
| Binance       | GNO    | BTC  | AA |
| BitMart       | GODS   | USDT | B  |
| Poloniex      | GODS   | USDT | B  |
| Binance       | KDA    | USDT | AA |
| Kucoin        | KLV    | USDT | BB |
| BitMart       | KLV    | USDT | B  |
| HitBTC        | KLV    | USDT | B  |
| Bibox         | NEXO   | USDT | B  |
| DigiFinex     | NEXO   | USDT | B  |
| Upbit         | OCEAN  | BTC  | BB |
| Cexio         | REN    | USD  | A  |
| CoinEx        | STEEM  | USDT | B  |
| Bibox         | TKO    | USDT | B  |
| DigiFinex     | TRU    | USDT | B  |
| Poloniex      | TRU    | USDT | B  |
| ftx           | TRU    | USDT | A  |
| blockchaincom | USDC   | EUR  | B  |
| OKCoin        | WBTC   | USD  | A  |
| OKCoin        | ZEN    | USD  | A  |
| Binance       | ACH    | BTC  | AA |
| Poloniex      | ALPACA | USDT | B  |
| Cexio         | ANT    | USD  | A  |
| Bitfinex      | APE    | USD  | A  |
| Bitso         | APE    | USD  | B  |

|               |        |      |    |
|---------------|--------|------|----|
| Kraken        | APE    | USD  | AA |
| OKCoin        | APE    | USD  | A  |
| Binance       | ASTR   | USDT | AA |
| Upbit         | AUDIO  | BTC  | BB |
| Bitstamp      | AVAX   | EUR  | AA |
| Bithumb       | CHZ    | KRW  | A  |
| ftx           | CVC    | USD  | A  |
| blockchaincom | DAI    | USDC | B  |
| Bibox         | DAO    | USDT | B  |
| BitMart       | DAO    | USDT | B  |
| BitMart       | DOGE   | USDC | B  |
| Bitso         | ETH    | BRL  | B  |
| Bitfinex      | EUR    | USDT | A  |
| Gateio        | FIO    | USDT | B  |
| HuobiPro      | FLOKI  | USDT | BB |
| Gateio        | FTT    | USD  | B  |
| BitMart       | HIGH   | USDT | B  |
| Binance       | KAVA   | ETH  | AA |
| Binance       | KDA    | BTC  | AA |
| Binance       | KSM    | ETH  | AA |
| Poloniex      | MDT    | USDT | B  |
| Cexio         | MHC    | ETH  | A  |
| bkex          | MPL    | USDT | C  |
| Cexio         | OCEAN  | USD  | A  |
| BitMart       | OMI    | USDT | B  |
| Kraken        | RNDR   | USD  | AA |
| Bitso         | SAND   | USD  | B  |
| Korbit        | SNX    | KRW  | B  |
| BitMart       | SUN    | USDT | B  |
| Gateio        | SUN    | USDT | B  |
| Bibox         | UNFI   | USDT | B  |
| blockchaincom | USDC   | GBP  | B  |
| Korbit        | VET    | KRW  | B  |
| Poloniex      | VOXEL  | USDT | B  |
| huobijapan    | XLM    | JPY  | B  |
| OKEX          | YGG    | USDT | BB |
| Bibox         | YGG    | USDT | B  |
| BitMart       | YGG    | USDT | B  |
| CoinEx        | YGG    | USDT | B  |
| HitBTC        | YGG    | USDT | B  |
| Poloniex      | YGG    | USDT | B  |
| Bitstamp      | AMP    | USD  | AA |
| Binance       | API3   | BTC  | AA |
| Binance       | ATOM   | TRY  | AA |
| binanceusa    | AUDIO  | USD  | BB |
| Kraken        | AUDIO  | USD  | AA |
| Gateio        | BADGER | ETH  | B  |
| DigiFinex     | COCOS  | USDT | B  |
| Korbit        | COMP   | KRW  | B  |
| Gateio        | CRPT   | USDT | B  |
| Bitstamp      | CTSI   | USD  | AA |
| blockchaincom | DAI    | EUR  | B  |



|          |       |      |    |
|----------|-------|------|----|
| ZBG      | DASH  | QC   | B  |
| ZBG      | DOGE  | QC   | B  |
| btse     | ENS   | BTC  | B  |
| ftx      | EURT  | EUR  | A  |
| ftx      | EURT  | USD  | A  |
| Gateio   | FORTH | ETH  | B  |
| Bitfinex | GALA  | USD  | A  |
| Bitso    | GALA  | USD  | B  |
| Kraken   | GALA  | USD  | AA |
| OKCoin   | GALA  | USD  | A  |
| ftx      | GALA  | USD  | A  |
| Kraken   | ICP   | EUR  | AA |
| Cexio    | ICP   | USD  | A  |
| Kraken   | ICP   | USD  | AA |
| OKCoin   | ICP   | USD  | A  |
| Bitstamp | IMX   | USD  | AA |
| Kraken   | IMX   | USD  | AA |
| Binance  | JASMY | ETH  | AA |
| Cexio    | JASMY | USD  | A  |
| Kraken   | JASMY | USD  | AA |
| HitBTC   | KCS   | BTC  | B  |
| HitBTC   | KCS   | USDT | B  |
| Cexio    | KSM   | USD  | A  |
| ZBG      | LTC   | QC   | B  |
| Cexio    | LUNA  | USD  | A  |
| OKCoin   | LUNA  | USD  | A  |
| ftx      | LUNA  | USD  | A  |
| BitMart  | MC    | USDT | B  |
| dcoin    | MC    | USDT | B  |
| Poloniex | MDT   | BTC  | B  |
| Bibox    | METIS | USDT | B  |
| Bitstamp | NEXO  | USD  | AA |
| ftx      | NEXO  | USD  | A  |
| Kraken   | OXY   | USD  | AA |
| Bitstamp | PERP  | EUR  | AA |
| Bibox    | RAMP  | USDT | B  |
| Gateio   | TROY  | USDT | B  |
| ZBG      | TRX   | QC   | B  |
| HitBTC   | ULTRA | BTC  | B  |
| Cexio    | UMA   | USD  | A  |
| Kraken   | UMA   | USD  | AA |
| Bitstamp | UST   | USD  | AA |
| Kraken   | UST   | USD  | AA |
| OKCoin   | UST   | USD  | A  |
| ftx      | UST   | USD  | A  |
| Cexio    | UTK   | USD  | A  |
| CoinEx   | VLX   | USDT | B  |
| indodax  | XEC   | USDT | B  |
| Binance  | XTZ   | TRY  | AA |
| Cexio    | YFII  | USD  | A  |
| ftx      | YFII  | USD  | A  |
| Kraken   | ALICE | USD  | AA |

|               |       |      |    |
|---------------|-------|------|----|
| ftx           | ALICE | USD  | A  |
| OKCoin        | ANC   | USD  | A  |
| ftx           | ANC   | USD  | A  |
| HuobiPro      | APE   | USDT | BB |
| Kucoin        | APE   | USDT | BB |
| OKEX          | APE   | USDT | BB |
| binanceusa    | APE   | USDT | BB |
| bkex          | APE   | USDT | C  |
| Bibox         | APE   | USDT | B  |
| BitMart       | APE   | USDT | B  |
| Bitfinex      | APE   | USDT | A  |
| CoinEx        | APE   | USDT | B  |
| DigiFinex     | APE   | USDT | B  |
| Gateio        | APE   | USDT | B  |
| HitBTC        | APE   | USDT | B  |
| Poloniex      | APE   | USDT | B  |
| ZBG           | APE   | USDT | B  |
| bithumbglobal | APE   | USDT | B  |
| decoin        | APE   | USDT | B  |
| Kraken        | AUDIO | EUR  | AA |
| Poloniex      | BNB   | USDC | B  |
| Kraken        | BOND  | USD  | AA |
| ftx           | BTT   | USD  | A  |
| Gateio        | C98   | USD  | B  |
| Binance       | CELR  | ETH  | AA |
| ftx           | CLV   | USD  | A  |
| Cexio         | COTI  | USD  | A  |
| Cexio         | CREAM | USD  | A  |
| Bitstamp      | CTSI  | EUR  | AA |
| btse          | CVX   | BTC  | B  |
| btse          | CVX   | ETH  | B  |
| blockchaincom | DAI   | GBP  | B  |
| Binance       | ENJ   | GBP  | AA |
| btse          | ENS   | ETH  | B  |
| Kraken        | ENS   | EUR  | AA |
| Kraken        | ENS   | USD  | AA |
| btse          | ENS   | USD  | B  |
| ftx           | ENS   | USD  | A  |
| ftx           | EURT  | USDT | A  |
| Binance       | FARM  | ETH  | AA |
| OKCoin        | FLOW  | USD  | A  |
| ftx           | GT    | USD  | A  |
| bkex          | GTC   | USDT | C  |
| CoinEx        | GTC   | USDT | B  |
| DigiFinex     | GTC   | USDT | B  |
| Upbit         | IMX   | BTC  | BB |
| Cexio         | INJ   | USD  | A  |
| Cexio         | KAVA  | USD  | A  |
| Gateio        | LOKA  | USDT | B  |
| dcoin         | LOKA  | USDT | B  |
| Binance       | LTC   | UAH  | AA |
| ZBG           | MANA  | QC   | B  |

|               |         |      |    |
|---------------|---------|------|----|
| Poloniex      | MANA    | USDC | B  |
| Kraken        | MASK    | EUR  | AA |
| Kraken        | MASK    | USD  | AA |
| CoinEx        | MEMEINU | USDT | B  |
| Coinbase      | MINA    | EUR  | AA |
| Coinbase      | MINA    | USD  | AA |
| binanceusa    | NEAR    | USD  | BB |
| OKCoin        | NEAR    | USD  | A  |
| binanceusa    | OGN     | USD  | BB |
| Kraken        | QNT     | USD  | AA |
| Coinbase      | QSP     | USDT | AA |
| Kraken        | RNDR    | EUR  | AA |
| Kucoin        | RNDR    | USDT | BB |
| DigiFinex     | RNDR    | USDT | B  |
| Poloniex      | RNDR    | USDT | B  |
| Binance       | RNDR    | USDT | AA |
| Coinbase      | SNT     | USD  | AA |
| Bitfinex      | SPELL   | USD  | A  |
| Kraken        | SPELL   | USD  | AA |
| ftx           | SPELL   | USD  | A  |
| Coinbase      | STX     | USD  | AA |
| blockchaincom | STX     | USD  | B  |
| ftx           | TRU     | USD  | A  |
| Bitstamp      | UST     | EUR  | AA |
| Kraken        | UST     | EUR  | AA |
| Gateio        | VGX     | ETH  | B  |
| DigiFinex     | WAN     | USDT | B  |
| Binance       | WAVES   | EUR  | AA |
| OKCoin        | WAXP    | USD  | A  |
| ZBG           | XEM     | QC   | B  |
| ZBG           | XLM     | QC   | B  |
| ZBG           | XRP     | QC   | B  |
| ZBG           | XWC     | USDT | B  |
| Gateio        | FEI     | ETH  | B  |
| Gateio        | FEI     | USDT | B  |
| Upbit         | T       | BTC  | BB |
| Probit        | ZYN     | USDT | C  |
| ftx           | KSHIB   | USD  | A  |
| binanceusa    | KSHIB   | USD  | BB |
| Bitfinex      | PNG     | USDT | A  |
| Gateio        | PNG     | USDT | B  |
| Bitfinex      | PNG     | USD  | A  |
| Binance       | QI      | USDT | AA |
| Gateio        | QI      | USDT | B  |
| DigiFinex     | QI      | USDT | B  |
| Binance       | QI      | BTC  | AA |
| ftx           | QI      | USD  | A  |
| Gateio        | QI      | ETH  | B  |
| Gateio        | XAVA    | USDT | B  |
| DigiFinex     | XAVA    | USDT | B  |
| Kucoin        | XAVA    | USDT | BB |
| Gateio        | KLO     | USDT | B  |

|             |      |      |    |
|-------------|------|------|----|
| Gateio      | JOE  | USDT | B  |
| Binance     | JOE  | USDT | AA |
| OKEX        | JOE  | USDT | BB |
| Binance     | JOE  | BTC  | AA |
| ftx         | JOE  | USD  | A  |
| Gateio      | JOE  | ETH  | B  |
| Gateio      | KFC  | USDT | B  |
| pancakeswap | PULI | WBNB | -  |
| HuobiPro    | GMT  | USDT | BB |
| DigiFinex   | GMT  | USDT | B  |
| Gateio      | GMT  | USDT | B  |
| Binance     | GMT  | BTC  | AA |
| ftx         | GMT  | USD  | A  |
| Binance     | GMT  | EUR  | AA |
| Binance     | GMT  | GBP  | AA |
| Binance     | GMT  | ETH  | AA |
| HitBTC      | GMTT | USDT | B  |
| LBank       | GMTT | USDT | C  |
| Gateio      | ZAM  | ETH  | B  |
| Gateio      | ZAM  | USDT | B  |