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|-----|--------|------|------|------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|------|------------|------------|------|------------|
| | 130 | 140 | 150 | 160 | 170 | 180 | | | | | | | | | | | | | |
| 105 | QLKHK | SQT | DSPD | GSSG | .LGI | SSPK | KEFS | AGE | .SST | SLD | DAN | .HTGA | | VVE | PLRT | Chimpanzee | | | |
| 105 | QLKHK | SQT | DSPD | GSSG | .LGI | SSPK | KEFS | AGE | .SST | SLD | DAN | .HTGA | ..... | VVE | PLRT | HumanProte | | | |
| 105 | QLKHK | SQT | DSPD | SSSG | .LGI | STPK | KEFN | AGE | .CST | SLD | DTN | .HTGA | ..... | IVE | PLRT | GiantPanda | | | |
| 105 | QLKHK | SQT | DSPD | GSSG | .LGI | STPK | KEFT | AGE | .CSA | SLD | DTN | .HTGA | ..... | VVE | PLRT | HorseProte | | | |
| 105 | QLKHS | SQT | EPD | GISG | .RGI | STPK | KEFN | AGE | .NST | SLD | DVN | .HTGA | ..... | AIE | PLRS | MouseProte | | | |
| 105 | RLKHK | SQSD | PADG | GGG | RGL | IPAP | KEFSP | SE | .HPV | AP | ..... | LA | ..... | ASD | PPGA | PlatypusPr | | | |
| 105 | QLVHG | QID | APAD | GSA | .FGI | LVP | KEARA | H | ERCS | VAS | DIG | .QKRD | ..... | GVG | SPGA | ChickenPro | | | |
| 104 | QLKHK | TLCD | TQD | GGG | SVG | TATSD | P | ..... | AST | ALD | VGG | YRRF | ..... | YLE | PSGA | WClawedFro | | | |
| 99 | QLKHK | SQID | ASKN | KTG | .PDP | GVTE | EPHL | GGR | CPLF | DRS | KCSR | G | ..... | REE | HQCT | GreenAnole | | | |
| 106 | PLKHK | TPE | EPD | DTG | AVRTD | V | PFST | SCST | AF | .GVV | GKTH | LPS | PK | | GQE | SPLN | ZebrafishP | | |
| 121 | NV | KVK | FAS | GLG | KCT | CSK | REV | PCRC | DAK | ADG | TLC | GK | VST | CR | FGS | MCKSK | LLTFK | TLAT | PurpleSeaU |
| 97 | GV | QKH | YQR | NGT | SKKN | IFR | PPIL | KSLY | G | CEH | GK | WIV | RSG | | RIV | PCKP | FruitFlyPr | | |
| 74 | DV | TLG | DVLR | VVE | GG | | | | | | | | | | VQP | PNC | SulfateRed | | |
| | qlkhks | q-d | --d | ---g | --gi | ---ke | --a | ---- | d----- | ----- | ----- | ----- | ----- | ----- | vep | --- | consensus | | |

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|-----|-------|-------|-------|-------|------|-------|-------|-------|------|------|-------|------|------|-------|-------|-------|------------|------------|------------|-----|-----|------|-----|------|------------|-----|-----------|------|------|------------|
| | 190 | 200 | 210 | 220 | 230 | 240 | | | | | | | | | | | | | | | | | | | | | | | | |
| 153 | SVPRL | PS | ESKK | EDSS | DAT | .QVP | QASL | KASDI | S | DFQ | SVSK | L | NQ | GKPC | TCIG | KECQC | N | .RWH | Chimpanzee | | | | | | | | | | | |
| 153 | SVPRL | PS | ESKK | EDSS | DAT | .QVP | QASL | KASDI | S | DFQ | SVSK | L | NQ | GKPC | TCIG | KECQC | K | .RWH | HumanProte | | | | | | | | | | | |
| 153 | AVPRL | PS | ESKK | EDTS | DSI | .QVS | QASL | KANDI | S | DFQ | SVSK | L | NQ | GKPC | CACI | KECQC | K | .RWH | GiantPanda | | | | | | | | | | | |
| 153 | SVPRL | PS | ENKE | EDSS | VAT | .QVS | QASL | QANDI | S | DFQ | SVSK | L | NQ | GKPC | CSCL | KECQC | K | .RWH | HorseProte | | | | | | | | | | | |
| 153 | SVLRL | PS | ESKTE | EELSD | ATI | .QVS | QESL | TANDI | S | DFQ | SVSK | L | SQ | GKPC | VCVG | KECQC | K | .RWH | MouseProte | | | | | | | | | | | |
| 149 | APEAP | AGG | PAAG | GGPRE | T | .PAS | ALAS | RGRDI | S | DFR | AVSEL | NR | GRPC | CACAG | RECR | CQ | .RWQ | PlatypusPr | | | | | | | | | | | | |
| 154 | SVAQ | PTSV | NTE | ENSPT | AISL | VSEAS | LKTEE | IS | DFR | SVSK | L | NKNN | PCAC | VDK | ACQCK | .RWQ | ChickenPro | | | | | | | | | | | | | |
| 149 | SPSET | SS | ETIK | NASIS | ...L | ASP | ASL | TASQ | S | DFQ | SVS | L | GT | A | AECT | CDEK | ECQCK | NCWQ | WClawedFro | | | | | | | | | | | |
| 149 | ISSE | QPLE | NSR | KTCP | AFS | .LTF | FESH | LDPS | Q | S | DFQ | LSKL | SYEK | QC | PVD | KECQC | K | .PWH | GreenAnole | | | | | | | | | | | |
| 156 | PRTSS | DD | ENAP | ENR | PALG | .CGP | GTQ | ET | GEA | T | DFQ | LSKL | QEGG | QC | CGQ | RECQC | P | .GWQ | ZebrafishP | | | | | | | | | | | |
| 181 | I | V | EES | GEV | ATK | E | KRSE | KKL | FSA | APP | CKG | GAT | I | V | V | SEK | DV | F | IGAS | ILL | HFS | NYR | AGV | GN | PurpleSeaU | | | | | |
| 143 | K | E | ESS | DIV | DQV | ADEL | KSS | CTCA | FRD | V | I | GEC | NA | M | L | DQSK | R | STMG | NSW | HLS | RNS | SSSS | K | .ARH | FruitFlyPr | | | | | |
| 94 | C | V | GDD | CE | D | T | PCR | CKT | AWIS | AAK | A | EAT | L | DQY | T | L | A | D | I | M | S | T | QPT | A | NER | STK | RPA | ARMS | | SulfateRed |
| | -v | ----- | e | --- | e | ----- | t | ----- | l | --- | a | --- | s | ifq | svskl | --g | --c | --- | kec | qck | --w | --- | --- | --- | --- | --- | consensus | | | |

