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| 22031 | T | | A A A A A A A A A A |
| 22040 | C | | G G G G G G G G G G |
| 22058 | C | | G G G G G G G G G G |
| 22064 | G | | C C C C C C C C C C |
| 22070 | C | | T T T T T T T T T T |
| 22073 | C | | T T T T T T T T T T |
| 22101 | A | | C C C C C C C C C C |
| 22103 | A | | T T T T T T T T T T |
| 22112 | C | | T T T T T T T T T T |
| 22121 | C | | T T T T T T T T T T |
| 22136 | A | | T T T T T T T T T T |
| 22145 | A | | G G G G G G G G G G |
| 22151 | C | | T T T T T T T T T T |
| 22157 | A | | T T T T T T T T T T |
| 22163 | T | | C C C C C C C |
| 22166 | C | | T T T T T T T T T T |
| 22169 | T | | A A A A A A A A A A |
| 22197 | A | | T T T T T T T T |
| 22198 | G | | C C C C C C C C |
| 22199 | C | | A A A A A A A A |
| 22232 | T | | A A A A A A A A A A |
| 22235 | T | | C C C C C C C C C C |
| 22247 | T | | C C C C C C C C C C |
| 22251 | C | | T T T T T T T T T T |
| 22253 | T | | A A A A A A A A A A |
| 22256 | A | | G G G G G G G G G G |
| 22265 | C | | A A A A A A A A |
| 22268 | C | | T T T T T T T T T T |
| 22292 | G | | T T T T T T T T T T |
| 22295 | G | | A A A A A A A A A A |
| 22301 | G | | A A A A A A A A A A |
| 22310 | A | | T T T T T T T T T T |
| 22319 | C | | T T T T T T T T T T |
| 22328 | T | | A A A A A A A A A A |
| 22338 | T | | C C C C C C C C C C |
| 22340 | A | | C C C C C C C C C C |
| 22355 | A | | G G G G G G G G G G |
| 22361 | C | | T T T T T T T T T T |
| 22379 | C | | T T T T T T T T T T |
| 22385 | A | | G G G G G G G G G G |
| 22388 | A | | C C C C C C C C C C |
| 22391 | C | T | T T T T T T T T T T |
| 22394 | C | | T T T T T T T T T T |
| 22400 | A | | G G G G G G G G G G |
| 22430 | T | | C C C C C C C C C C |
| 22436 | C | | T T T T T T T T T T |
| 22445 | T | | C C C C C C C C C C |
| 22484 | T | | C C C C C C C C C C |
| 22493 | T | | C C C C C C C C C C |
| 22508 | A | | G G G G G |
| 22517 | C | | T T T T T T T T T T |
| 22535 | C | | T T T T T T T T T T |
| 22544 | T | | G G G G G G G G G G |
| 22559 | C | | A A A A A A A A A A |
| 22565 | C | | T T T T T T T T T T |

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| 22568 | G | A A A A A A A A A A |
| 22571 | T | C C C C C C C C C C |
| 22577 | A | G G G G G G G G G G |
| 22580 | T | C C C C C C C C C C |
| 22586 | A | C C C C C C C C C C |
| 22589 | G | T T T T T T T T T T |
| 22610 | C | T T T T T T T T T T |
| 22613 | A | T T T T T T T T T T |
| 22619 | T | C C C C C C C C C C |
| 22628 | G | C C C C C C C C C C |
| 22634 | T | A A A A A A A A A A |
| 22643 | C | T T T T T T T T T T |
| 22676 | A | G G G G G G G G G G |
| 22682 | T | A A A A A A A A A A |
| 22703 | C | T T T T T T T T T T |
| 22706 | C | T T T T T T T T T T |
| 22712 | C | T T T T T T T T T T |
| 22715 | G | A A A A A A A A A A |
| 22721 | T | A A A A A A A A A A |
| 22736 | C | T T T T T T T T T T |
| 22742 | A | C C C C C C C C C C |
| 22775 | C | T T T T T T T T T T |
| 22787 | C | T T T T T T T T T T |
| 22790 | A | G G G G G G G G G G |
| 22797 | C | A A A A A A A A A A |
| 22799 | C | A A A A A A A A A A |
| 22809 | T | C C C C C C C C C C |
| 22811 | A | T T T T T T T T T T |
| 22817 | T | C C C C C C C C C C |
| 22838 | T | C C C C C C C C C C |
| 22847 | T | C C C C C C C C C C |
| 22863 | C | T T T T T T T T T T |
| 22865 | C | A A A A A A A A A A |
| 22904 | T | C C C C C C C C C C |
| 22907 | G | A A A A A A A A A A |
| 22916 | G | A A A A A A A A A A |
| 22922 | T | A A A A A A A A A A |
| 22928 | C | T T T T T T T T T T |
| 22941 | C | T T T T T T T T T T |
| 22943 | T | A A A A A A A A A A |
| 22952 | T | G G G G G G G G G G |
| 22955 | T | C C C C C C C C C C |
| 22958 | A | G G G G G G G G G G |
| 22970 | T | A A A A A A A A A A |
| 22982 | A | T T T T T T T T T T |
| 22988 | A | T T T T T T T T T T |
| 23006 | T | C C C C C C C C C C |
| 23012 | C | T T T T T T T T T T |
| 23018 | C T T | T T T T T T T T T T |
| 23027 | T | C C C C C C C C C C |
| 23042 | T | G G G G G G G G G G |
| 23045 | G | A A A A A A A A A A |
| 23060 | A | G G G G G G G G G G |
| 23066 | C | T T T T T T T T T T |
| 23069 | G | A A A A A A A A A A |

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|-------|---|---|---------------------|
| 23087 | T | | C C C C C C C C C C |
| 23093 | C | | T T T T T T T T T T |
| 23102 | C | | T T T T T T T T T T |
| 23105 | T | | C C C C C C C C C |
| 23108 | G | | T T T T T T T T T T |
| 23114 | A | | C C C C C C C C C C |
| 23117 | A | | T T T T T T T T T T |
| 23120 | T | | A A A A A A A A A A |
| 23123 | C | | T T T T T T T T T T |
| 23126 | A | | T T T T T T T T T T |
| 23132 | T | | A A A A A A A A A A |
| 23142 | C | | T T T T T T T T T T |
| 23144 | T | | A A A A A A A A A A |
| 23159 | T | | C C C C C C C C C C |
| 23162 | C | | T T T T T T T T T T |
| 23168 | T | | G G G G G G G G G G |
| 23174 | T | | A A A A A A A A A A |
| 23180 | T | | A A A A A A A A A A |
| 23183 | C | | T T T T T T T T T T |
| 23195 | G | | A A A A A A A A A A |
| 23198 | C | T | T T T T T T T T T T |
| 23201 | C | | T T T T T T T T T T |
| 23207 | A | | T T T T T T T T T T |
| 23210 | G | | A A A A A A A A A A |
| 23213 | A | | T T T T T T T T T T |
| 23222 | C | | A A A A A A A A A A |
| 23234 | A | | T T T T T T T T T T |
| 23237 | T | | C C C C C C C C C C |
| 23249 | C | | T T T T T T T T T T |
| 23261 | A | | T T T T T T T T T T |
| 23274 | T | | C C C C C C C C C C |
| 23276 | A | | C C C C C C C C C C |
| 23282 | T | | A A A A A A A A A A |
| 23300 | C | | T T T T T T T T T T |
| 23315 | G | | A A A A A A A A A A |
| 23318 | T | | C C C C C C C C C C |
| 23321 | A | | G G G G G G G G G G |
| 23324 | A | | T T T T T T T T T T |
| 23330 | T | | A A A A A A A A A A |
| 23375 | T | | C C C C C C C C C C |
| 23390 | T | | A A A A A A A A A A |
| 23393 | A | | T T T T T T T T T T |
| 23427 | C | T | T T T T T T T T T T |
| 23438 | C | | T T T T T T T T T T |
| 23444 | G | | A A A A A A A A A A |
| 23450 | A | | T T T T T T T T T T |
| 23456 | T | | G G G G G G G G G G |
| 23459 | C | | T T T T T T T T T T |
| 23471 | A | | T T T T T T T T T T |
| 23472 | C | | T T T T T T T T T T |
| 23474 | G | | A A A A A A A A A A |
| 23489 | C | | A A A A A A A A A A |
| 23495 | A | | T T T T T T T T T T |
| 23507 | T | | C C C C C C C C C C |
| 23516 | C | | T T T T T T T T T T |

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|-------|---|---|---|---|---|---|---|---|---|---|---|---|
| 24971 | T | | | | | | | | | C | C | C |
| 24977 | C | T | T | T | T | T | T | T | T | T | T | T |
| 24984 | C | T | T | T | T | T | T | T | T | T | T | T |
| 24986 | T | G | G | G | G | G | G | G | G | G | G | G |
| 24989 | G | A | A | A | A | A | A | A | A | A | A | A |
| 25004 | C | T | T | T | T | T | T | T | T | T | T | T |
| 25007 | C | T | T | T | T | T | T | T | T | T | T | T |
| 25010 | G | A | A | A | A | A | A | A | A | A | A | A |
| 25037 | T | C | C | C | C | C | C | C | C | C | C | C |
| 25091 | C | T | T | T | T | T | T | T | T | T | T | T |
| 25094 | C | T | T | T | T | T | T | T | T | T | T | T |
| 25106 | T | C | C | C | C | C | C | C | C | C | C | C |
| 25133 | G | T | T | T | T | T | T | T | T | T | T | T |
| 25142 | A | G | G | G | G | G | G | G | G | G | G | G |
| 25154 | C | T | T | T | T | T | T | T | T | T | T | T |
| 25169 | G | T | T | T | T | T | T | T | T | T | T | T |
| 25175 | A | G | G | G | G | G | G | G | G | G | G | G |
| 25178 | A | T | T | T | T | T | T | T | T | T | T | T |

* The nucleotide positions are based on bat SARS-CoV B24 (GenBank accession no.

DQ022305). Blank indicates nucleotides identical to those of B24.