**Supplementatal File (S2)**

Nucleotide identity percent of FMDV SAT2/EGY/Alexandria/2018 (MN889525) compared to reference SAT2 sequences from GenBank.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Acc. # | Abbreviated name | MN889525 | MK493347 | MK975972 | MN987552 | MH814723 | JX570633 | GU194494 | MF322694 | JX570622 |
| MN889525 | SAT2/EGY/Alexandria/2018 | ID | 97.2% | 97.6% | 95.6% | 95.6% | 90.9% | 83.9% | 82.7% | 85.8% |
| MK493347 | SAT2.EGY/Alexandria/2018 |  | ID | 98.8% | 96.8% | 96.8% | 92.5% | 84.7% | 82.7% | 85.8% |
| MK975972 | SAT2/EGY/Beni-Suef/2017 |  |  | ID | 96.4% | 96.4% | 91.7% | 84.3% | 83.1% | 85.8% |
| MN987552 | SAT2/ETH/2018 |  |  |  | ID | 98.8% | 94.1% | 85.8% | 83.9% | 86.2% |
| MH814723 | SAT2/LIB/2012 |  |  |  |  | ID | 95.2% | 86.2% | 84.3% | 86.6% |
| JX570633 | SAT2/LIB/2012 |  |  |  |  |  | ID | 86.6% | 83.9% | 86.6% |
| GU194494 | SAT2/ERI/98 |  |  |  |  |  |  | ID | 87.4% | 86.6% |
| MF322694 | SAT2/EGY/2017 |  |  |  |  |  |  |  | ID | 86.2% |
| JX570622 | SAT2/EGY/2012 |  |  |  |  |  |  |  |  | ID |

\* Nucleotides 1-255 of FMDV SAT2 MN889525 were used to generate this table.

Nucleotide identity percent of FMDV A/EGY/2018 (MT508912) compared to reference A sequences from GenBank.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Acc. # | Abbreviated name | MT508912 | KC440882 | MH732982 | KF112908 | KF112913 | FJ755010 | EF208756 | KC888937 | EF208769 | EU553874 |
| MT508912  | A/EGY/2018 | ID | 96.1% | 93.9% | 96.3% | 96.9% | 95.9% | 77.8% | 77.8% | 93.1% | 81.9% |
| KC440882  | A/EGY/2012 |  | ID | 95.8% | 98.1% | 98.8% | 97.8% | 78.3% | 78.0% | 94.3% | 82.0% |
| MH732982  | A/EGY/2018 |  |  | ID | 95.6% | 96.1% | 95.4% | 79.0% | 77.3% | 94.1% | 83.0% |
| KF112908  | A/IRN/2009 |  |  |  | ID | 98.9% | 98.6% | 78.8% | 78.3% | 95.4% | 82.7% |
| KF112913  | A/LIB/2009 |  |  |  |  | ID | 98.9% | 78.8% | 78.3% | 95.4% | 82.9% |
| FJ755010  | A/BAR/2008 |  |  |  |  |  | ID | 79.0% | 77.8% | 95.1% | 82.5% |
| EF208756  | A/EGY/72 |  |  |  |  |  |  | ID | 82.7% | 77.7% | 80.4% |
| KC888937  | A/EGY/2009 |  |  |  |  |  |  |  | ID | 77.3% | 78.0% |
| EF208769  | A/IRN/2005 |  |  |  |  |  |  |  |  | ID | 81.9% |
| EU553874  | A/SAU/95 |  |  |  |  |  |  |  |  |  | ID |

\* Nucleotides 22-618 of FMDV A MT508912 were used to generate this table.