

S1 Table. Average sequence identities determined for the Ov 7 nucleotide and amino sequences obtained between South African Ov 7 sequences compared to reference sequences.

| | Nucleotide | | | | | | | Derived amino acid | | | | | | |
|----------------------|------------|-------|-------|-------|-------|-------|-------|--------------------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Ov7/AY839756/Ref (1) | ID | 1.000 | 1.000 | 0.988 | 0.988 | 0.997 | 0.997 | ID | 1.000 | 1.000 | 0.966 | 0.966 | 0.991 | 0.991 |
| Ov7/NC007646/Ref (2) | 1.000 | ID | 1.000 | 0.988 | 0.988 | 0.997 | 0.997 | 1.000 | ID | 1.000 | 0.966 | 0.966 | 0.991 | 0.991 |
| Ov7/DQ198083/Ref (3) | 1.000 | 1.000 | ID | 0.988 | 0.988 | 0.997 | 0.997 | 1.000 | 1.000 | ID | 0.966 | 0.966 | 0.991 | 0.991 |
| Ov7-22/WC/2009 (4) | 0.988 | 0.988 | 0.988 | ID | 1.000 | 0.986 | 0.986 | 0.966 | 0.966 | 0.966 | 1.000 | ID | 0.958 | 0.958 |
| Ov7-11/WC/2008 (5) | 0.988 | 0.988 | 0.988 | 1.000 | ID | 0.986 | 0.986 | 0.966 | 0.966 | 0.966 | ID | 1.000 | 0.958 | 0.958 |
| Ov7-28/EC/2007 (6) | 0.997 | 0.997 | 0.997 | 0.986 | 0.986 | ID | 1.000 | 0.991 | 0.991 | 0.991 | 0.958 | 0.958 | ID | 1.000 |
| Ov7-10/MP/2007 (7) | 0.997 | 0.997 | 0.997 | 0.986 | 0.986 | 1.000 | ID | 0.991 | 0.991 | 0.991 | 0.958 | 0.958 | 1.000 | ID |

The shaded cells contain values comparing SA sequences to reference sequences.