

**Supplementary Table S2:** Genotype constellation of Mozambican G2P[6], G2P[6], G3P[4], G3P[8] and G1P[8]strains with DS-1 like and Wa-like constellations.

| Strain name                           | VP7 | VP4  | VP6 | VP1 | VP2 | VP3 | NSP1 | NSP2 | NSP3 | NSP4 | NSP5/6 |
|---------------------------------------|-----|------|-----|-----|-----|-----|------|------|------|------|--------|
| Segment                               | 9   | 4    | 6   | 1   | 2   | 3   | 5    | 8    | 7    | 10   | 11     |
| DS1                                   | G2  | P[4] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| Wa                                    | G1  | P[8] | I1  | R1  | C2  | M1  | A1   | N1   | T1   | E1   | H1     |
| RVA/Human-wt/MOZ/HGQ0561/2015/G2P[6]  | G2  | P[6] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HCN0738/2015/G2P[6]  | G2  | P[6] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGQ1104/2016/G2P[6]  | G2  | P[6] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGQ1208/2016/G2P[6]  | G2  | P[6] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HCN1284/2016/G2P[6]  | G2  | P[6] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HCN1313/2016/G2P[6]  | G2  | P[6] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HCN1328/2016/G2P[6]  | G2  | P[6] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGJM0492/2015/G2P[4] | G2  | P[4] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGQ1141/2016/G2P[4]  | G2  | P[4] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGJM1856/2018/G3P[4] | G3  | P[4] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGJM1768/2017/G3P[4] | G3  | P[4] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGJM1696/2017/G3P[4] | G3  | P[4] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGM1235/2016/G3P[4]  | G3  | P[4] | I2  | R2  | C2  | M2  | A2   | N2   | T2   | E2   | H2     |
| RVA/Human-wt/MOZ/HGM2187/2018/G3P[8]  | G3  | P[8] | I1  | R1  | C2  | M1  | A1   | N1   | T1   | E1   | H1     |
| RVA/Human-wt/MOZ/HGJM2122/2018/G3P[8] | G3  | P[8] | I1  | R1  | C2  | M1  | A1   | N1   | T1   | E1   | H1     |
| RVA/Human-wt/MOZ/HGM2025/2017/G3P[8]  | G3  | P[8] | I1  | R1  | C2  | M1  | A1   | N1   | T1   | E1   | H1     |
| RVA/Human-wt/MOZ/HCN1556/2017/G1P[8]  | G1  | P[8] | I1  | R1  | C2  | M1  | A1   | N1   | T1   | E1   | H1     |
| RVA/Human-wt/MOZ/HGJM0408/2015/G1P[8] | G1  | P[8] | I1  | R1  | C2  | M1  | A1   | N1   | T1   | E1   | H1     |