

Table S1. Whole genotype constellations of 103 sequenced South African G1P[8] rotavirus strains and 68 South African G1P[8] strains acquired from GenBank

Gene segment	VP7	VP7 Lineage	VP4	VP4 Lineage	VP6	VP1	VP2	VP3	NSP1	NSP2	NSP3	NSP4	NSP5
Base pair size for full length sequences	1062		2359		1356	3302	2717	2591	1567	1059	1074	750	664
Base pair size for open reading frame (ORF) sequences	978		2325		1191	3264	2682	2505	1458	951	930	525	591
Genotype constellations													
Sequenced for this study													
Pre-vaccine strains													
1 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU3883/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
2 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU3892/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
3 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU3951/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
4 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU3956/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
5 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4018/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
6 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4019/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
7 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4023/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
8 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4024/2002/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
9 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4026/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
10 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4049/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
11 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4055/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
12 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4102/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
13 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4269/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
14 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU4271/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
15 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU456/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
16 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU493/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
17 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU609/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
18 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU632/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
19 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2117/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
20 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2145/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
21 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2156/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
22 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1104/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
23 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1116/2004/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
24 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1131/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
25 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1135/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
26 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1139/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
27 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1145/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
28 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1148/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
29 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1184/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
30 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1192/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
31 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1205/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
32 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1230/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
33 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1287/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
34 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU3410/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
35 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU3449/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
36 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU451/2005/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
37 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU658/2005/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
38 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU682/2005/G1P[8]	G1	II	P[8]	IV	I1	R1	C1	M1	A1	N1	T1	E1	H1
39 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU687/2005/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
40 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU745/2005/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
41 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU747/2005/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
42 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU732/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
43 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU749/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
44 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU753/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
45 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU757/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
46 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU768/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
47 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU783/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
48 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU849/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
49 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU902/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
50 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU981/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
51 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU999/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
52 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1002/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
53 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1005/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
54 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1006/2006/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
55 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1007/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
56 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1009/2006/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
57 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1012/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
58 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1015/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
59 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1019/2006/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
60 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1030/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
61 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1039/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
62 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1041/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
63 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU3433/2006/G1P[8]	G1	I	P[8]	IV	I1	R1	C1	M1	A1	N1	T1	E1	H1
64 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU147/2007/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
65 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU792/2007/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
66 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU793/2007/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
67 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU799/2007/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
68 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1273/2007/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
69 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1302/2007/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
70 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1652/2007/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
71 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1042/2008/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
72 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1047/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
73 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1048/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
74 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1965/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
75 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1967/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
76 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1969/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
77 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1970/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
78 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1980/2008/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
79 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2006/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
80 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU136/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
81 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU138/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
82 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU139/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
83 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU151/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
84 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU157/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
85 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1049/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
86 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1093/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
87 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1190/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
88 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1234/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
89 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU1271/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
90 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2280/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
91 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2291/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
92 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2299/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
Post-vaccine strains													
1 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2021/2010/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
34 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU2250/2013/G1P[8]	G1	II	P[8]	I	I1	R1	C1	M1	A1	N1	T1	E1	H1
35 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU56/2014/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
36 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU65/2014/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
37 RVA/Human-wt/ZAF/UFS-NGS-MRC-DPRU74/2014/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1

Accession codes in GenBank
(MT854335-MT855467)

98	RVA/Human-wt/ZAF/UF5-NGS-MRC-DPRU143/2014/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
99	RVA/Human-wt/ZAF/UF5-NGS-MRC-DPRU150/2014/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
100	RVA/Human-wt/ZAF/UF5-NGS-MRC-DPRU4347/2015/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
101	RVA/Human-wt/ZAF/UF5-NGS-MRC-DPRU4352/2015/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
102	RVA/Human-wt/ZAF/UF5-NGS-MRC-DPRU4357/2015/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1
103	RVA/Human-wt/ZAF/UF5-NGS-MRC-DPRU15948/2017/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1

Acquired from GenBank

Pre-vaccine strains

104	RVA/Human-wt/ZAF/MRC-DPRU4418/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752974
105	RVA/Human-wt/ZAF/MRC-DPRU1192/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KP752554
106	RVA/Human-wt/ZAF/MRC-DPRU6113/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ751795
107	RVA/Human-wt/ZAF/MRC-DPRU4381/2002/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752963
108	RVA/Human-wt/ZAF/MRC-DPRU400/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752421
109	RVA/Human-wt/ZAF/MRC-DPRU2198/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752333
110	RVA/Human-wt/ZAF/MRC-DPRU648/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752524
111	RVA/Human-wt/ZAF/MRC-DPRU451/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753506
112	RVA/Human-wt/ZAF/MRC-DPRU4445/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753770
113	RVA/Human-wt/ZAF/MRC-DPRU2218/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752808
114	RVA/Human-wt/ZAF/MRC-DPRU566/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ751685
115	RVA/Human-wt/ZAF/MRC-DPRU539/2003/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753846
116	RVA/Human-wt/ZAF/MRC-DPRU426/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752568
117	RVA/Human-wt/ZAF/MRC-DPRU1224/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752874
118	RVA/Human-wt/ZAF/MRC-DPRU1285/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753098
119	RVA/Human-wt/ZAF/MRC-DPRU1275/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753242
120	RVA/Human-wt/ZAF/MRC-DPRU1264/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753308
121	RVA/Human-wt/ZAF/MRC-DPRU1299/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753587
122	RVA/Human-wt/ZAF/MRC-DPRU1283/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753621
123	RVA/Human-wt/ZAF/MRC-DPRU1277/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753679
124	RVA/Human-wt/ZAF/MRC-DPRU1280/2004/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753781
125	RVA/Human-wt/ZAF/MRC-DPRU822/2005/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ751976
126	RVA/Human-wt/ZAF/MRC-DPRU1232/2005/G1P[8]	G1	I	P[8]	IV	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753163
127	RVA/Human-wt/ZAF/MRC-DPRU2114/2005/G1P[8]	G1	I	P[8]	IV	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752078
128	RVA/Human-wt/ZAF/MRC-DPRU799/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752177
129	RVA/Human-wt/ZAF/MRC-DPRU789/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752311
130	RVA/Human-wt/ZAF/MRC-DPRU748/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753462
131	RVA/Human-wt/ZAF/MRC-DPRU539/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753565
132	RVA/Human-wt/ZAF/MRC-DPRU757/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KP752839
133	RVA/Human-wt/ZAF/MRC-DPRU832/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KP752998
134	RVA/Human-wt/ZAF/MRC-DPRU901/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KP752587
135	RVA/Human-wt/ZAF/MRC-DPRU840/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753152
136	RVA/Human-wt/ZAF/MRC-DPRU803/2006/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752895
137	RVA/Human-wt/ZAF/MRC-DPRU1840/2007/G1P[8]	G1	I	P[8]	IV	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753384
138	RVA/Human-wt/ZAF/MRC-DPRU1327/2007/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753220
139	RVA/Human-wt/ZAF/MRC-DPRU1370/2007/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753065
140	RVA/Human-wt/ZAF/MRC-DPRU1350/2007/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753805
141	RVA/Human-wt/ZAF/MRC-DPRU1381/2007/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752700
142	RVA/Human-wt/ZAF/MRC-DPRU1960/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ751905
143	RVA/Human-wt/ZAF/MRC-DPRU1039/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752199
144	RVA/Human-wt/ZAF/MRC-DPRU1052/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752278
145	RVA/Human-wt/ZAF/MRC-DPRU2429/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752841
146	RVA/Human-wt/ZAF/MRC-DPRU2125/2008/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KP752893
147	RVA/Human-wt/ZAF/MRC-DPRU1270/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ751696
148	RVA/Human-wt/ZAF/MRC-DPRU1389/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ751839
149	RVA/Human-wt/ZAF/MRC-DPRU2801/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753209
150	RVA/Human-wt/ZAF/MRC-DPRU150/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753231
151	RVA/Human-wt/ZAF/MRC-DPRU155/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753743
152	RVA/Human-wt/ZAF/MRC-DPRU2294/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ751751
153	RVA/Human-wt/ZAF/MRC-DPRU1269/2009/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753754
154	RVA/Human-wt/ZAF/MRC-DPRU2325/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636162
155	RVA/Human-wt/ZAF/MRC-DPRU2306/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636173
156	RVA/Human-wt/ZAF/MRC-DPRU2330/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636272
157	RVA/Human-wt/ZAF/MRC-DPRU1217/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753451
158	RVA/Human-wt/ZAF/MRC-DPRU135/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753087
159	RVA/Human-wt/ZAF/MRC-DPRU1923/2009/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KP752987

Post-vaccine strains

160	RVA/Human-wt/ZAF/MRC-DPRU2030/2010/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636206
161	RVA/Human-wt/ZAF/MRC-DPRU2035/2010/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636239
162	RVA/Human-wt/ZAF/MRC-DPRU2052/2010/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636283
163	RVA/Human-wt/ZAF/MRC-DPRU1506/2010/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753198
164	RVA/Human-wt/ZAF/MRC-DPRU1544/2010/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636217
165	RVA/Human-wt/ZAF/MRC-DPRU2061/2010/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636184
166	RVA/Human-wt/ZAF/MRC-DPRU1492/2010/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KF636195
167	RVA/Human-wt/ZAF/MRC-DPRU832011/G1P[8]	G1	II	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752985
168	RVA/Human-wt/ZAF/MRC-DPRU6954/2011/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752020
169	RVA/Human-wt/ZAF/MRC-DPRU120/2011/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752155
170	RVA/Human-wt/ZAF/MRC-DPRU121/2011/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ752590
171	RVA/Human-wt/ZAF/MRC-DPRU4079-1/2011/G1P[8]	G1	I	P[8]	III	I1	R1	C1	M1	A1	N1	T1	E1	H1	KJ753576