

Table 1: Nucleotide (NT) and amino acid (AA) percentage identities of South Africa VP6 sequences (in box) compared to VP6 sequences of human and animal obtained from the Genbank.

Strain	VP6 Genotype	DPRU308		DPRU455		DPRU2943		DPRU6260		DPRU1551		DPRU2442		DPRU3259		DPRU3284		DPRU3347		DPRU3355		DPRU3262		DPRU3326			
		NT	AA	NT	AA	NT	AA	NT	AA	NT	AA	NT	AA	NT	AA	NT	AA	NT	AA	NT	AA	NT	AA	NT	AA	NT	AA
RVA/Human-wt/ZAF/MRC-DPRU308/2008/G1P[8]	11																										
RVA/Human-wt/ZAF/MRC-DPRU455/2008/G1P[8]	11	99.6	98.7																								
RVA/Human-wt/ZAF/MRC-DPRU/2943/2008/G9P[8]	11	97.4	99.0	97.0	97.7																						
RVA/Human-wt/ZAF/MRC-DPRU/6260/2008/G9P[8]	11	97.4	99.0	97.0	97.7	98.4	98.7																				
RVA/Porcine-wt/ZAF/MRC-DPRU1551/2008/GxP[x]	11	83.2	92.9	82.8	91.7	83.3	93.2	83.3	92.9																		
RVA/Human-wt/ZAF/MRC-DPRU2442/2008/G9P[6]	12	79.6	92.4	79.2	91.2	79.8	92.7	80.0	92.7	79.9	91.4																
RVA/Human-wt/ZAF/MRC-DPRU3259/2008/G1P[4]	12	79.9	92.4	79.5	91.2	79.8	92.7	80.4	92.7	79.9	91.4	97.2	100														
RVA/Human-wt/ZAF/MRC-DPRU3284/2008/G2P[6]	12	79.9	92.7	79.5	91.4	79.8	92.9	80.4	92.9	80.1	91.7	97.0	99.7	99.7	99.7												
RVA/Human-wt/ZAF/MRC-DPRU3347/2008/G2P[6]	12	79.9	92.7	79.5	91.4	79.8	92.9	80.4	92.9	80.1	91.7	97.0	99.7	99.7	99.7	100	100										
RVA/Human-wt/ZAF/MRC-DPRU3355/2008/G2P[6]	12	79.8	92.4	79.4	91.2	79.8	92.7	80.4	92.7	80.0	91.4	96.9	99.5	99.7	99.5	99.9	99.7	99.9	99.7								
RVA/Human-wt/ZAF/MRC-DPRU3262/2008/G2P[6]	12	80.7	92.4	80.3	91.2	80.6	92.7	81.1	92.7	80.1	91.4	97.1	100	98.1	100	98.0	99.7	98.0	99.7	97.9	99.5						
RVA/Human-wt/ZAF/MRC-DPRU3326/2008/G2P[6]	12	80.7	92.4	80.3	91.2	80.6	92.7	81.1	92.7	80.1	91.4	97.1	100	98.1	100	98.0	99.7	98.0	99.7	97.9	99.5	100	100				
RVA/Human-wt/ZAF/3176WC/2009/G12P[6]	11	98.2	99.2	97.8	98.0	97.2	99.0	97.1	99.2	83.4	93.2	79.8	92.7	80.1	92.7	80.1	92.9	80.1	92.9	80.0	92.7	80.9	92.7	80.9	92.7	80.9	92.7
RVA/Human-wt/ZAF/MRC-DPRU4677/2010/G9P[8]	11	97.6	99.5	97.2	98.2	96.6	99.2	96.7	99.5	83.4	93.5	79.6	92.9	79.8	92.9	79.9	93.2	79.9	93.2	79.8	92.9	80.4	92.9	80.4	92.9	80.4	92.9
RVA/Human-wt/ZWE/MRC-DPRU1708/2009/G9P[8]	11	97.6	99.5	97.2	98.2	96.6	99.2	96.7	99.5	83.4	93.5	79.6	92.9	79.8	92.9	79.9	93.2	79.9	93.2	79.8	92.9	80.4	92.9	80.4	92.9	80.4	92.9
RVA/Human-wt/HRV/CR2006/2006/G8P[8]	11	96.2	98.0	95.8	97.0	95.8	97.7	95.7	98.0	83.0	91.9	78.8	91.4	78.7	91.4	78.8	91.7	78.8	91.7	78.7	91.4	79.6	91.4	79.6	91.4	79.6	91.4
RVA/Pig-tc/MEX/YM/1983/G11P[7]	11	82.5	92.7	82.0	91.4	82.8	92.9	83.0	92.7	90.3	98.7	80.4	91.2	80.0	91.2	80.0	91.4	80.0	91.4	80.1	91.2	80.4	91.2	80.4	91.2	80.4	91.2
RVA/Pig-wt/CHN/JL94/XXXX/G5P[7]	11	82.0	92.7	81.6	91.4	82.1	92.9	82.0	92.9	90.0	97.5	79.6	91.2	79.3	91.2	79.5	91.4	79.5	91.4	79.6	91.2	79.6	91.2	79.6	91.2	79.6	91.2
RVA/Pig-tc/USA/Gottfried/1983/G4P[6]	11	88.8	97.5	88.4	96.2	88.1	97.7	88.2	97.5	83.6	93.5	81.7	93.5	81.7	93.5	81.8	93.7	81.8	93.7	81.7	93.5	82.0	93.5	82.0	93.5	82.0	93.5
RVA/Pig-tc/JPN/YO/1974/G3P[8]	11	89.7	97.5	89.3	96.2	89.7	97.2	89.8	97.5	84.0	94.2	80.3	92.9	80.9	92.9	81.0	93.2	81.0	93.2	80.9	92.9	80.7	92.9	80.7	92.9	80.7	92.9
RVA/Human-wt/ZAF/3133WC/2009/G12P[4]	11	98.2	99.2	97.8	98.0	97.2	99.0	97.1	99.2	83.4	93.2	79.8	92.7	80.1	92.7	80.1	92.9	80.1	92.9	80.0	92.7	80.9	92.7	80.9	92.7	80.9	92.7
RVA/Human-wt/NPL/KTM368/2004/G11P[25]	11	83.3	92.9	82.9	91.7	83.6	93.2	83.9	92.9	84.6	93.7	78.8	89.7	79.2	89.7	79.3	89.9	79.3	89.9	79.3	89.7	79.9	89.7	79.9	89.7	79.9	89.7
RVA/Human-tc/USA/Wa/1974/G1P[8]	11	89.9	97.2	89.5	96.0	89.2	97.0	89.4	97.2	82.6	92.9	79.4	92.2	80.0	92.2	80.1	92.4	80.1	92.4	80.0	92.2	79.9	92.2	79.9	92.2	79.9	92.2
RVA/Human-tc/IND/116E/1988/G9P[11]	11	90.5	97.7	90.1	96.5	89.8	97.5	89.0	97.7	82.9	93.2	80.8	92.7	80.9	92.7	81.2	92.9	81.2	92.9	81.1	92.7	81.2	92.9	81.2	92.9	81.2	92.9
RVA/Human-tc/GBR/ST3/1975/G4P[6]	11	97.2	99.2	96.8	98.0	96.4	99.0	96.3	99.2	83.3	93.2	79.3	92.7	79.5	92.7	79.6	92.9	79.6	92.9	79.5	92.7	80.1	92.7	80.1	92.7	80.1	92.7
RVA/Human-wt/BGD/Dhaka25/2002/G12P[8]	11	97.6	99.5	97.1	98.2	96.9	99.2	96.6	99.5	84.0	93.5	80.1	92.9	80.3	92.9	80.3	93.2	80.3	93.2	80.2	92.9	80.9	92.9	80.9	92.9	80.9	92.9
RVA/Horse-tc/GBR/H1/1975/G5P[7]	11	81.6	92.9	81.2	91.7	82.0	93.2	82.1	92.9	89.0	97.7	80.1	92.2	79.8	92.2	79.8	92.4	79.8	92.4	79.9	92.2	80.1	92.2	80.1	92.2	80.1	92.2
RVA/Human/BGD/Matlab13/2003/G12P[6]	11	97.9	99.5	97.5	98.2	97.1	99.2	96.8	99.5	83.8	93.5	79.8	92.9	80.0	92.9	80.0	93.2	80.0	93.2	79.9	92.9	80.8	92.9	80.8	92.9	80.8	92.9
RVA/Human-wt/IND/RMC321/1990/G9P[19]	11	82.7	92.7	82.3	91.4	82.8	92.9	82.9	92.7	90.2	98.2	80.4	90.9	79.8	90.9	80.0	91.2	80.0	91.2	80.1	90.9	79.9	90.9	79.9	90.9	79.9	90.9
RVA/Pig-tc/USA/OSU/1977/G5P9[7]	11	81.5	93.2	81.1	91.9	81.9	93.5	82.0	93.2	88.1	96.7	79.4	91.9	79.1	91.9	79.3	92.2	79.3	92.2	79.3	91.9	79.5	91.9	79.5	91.9	79.5	91.9
RVA/Human-tc/BGD/MMC71/2005/G1P[8]	11	97.1	99.0	96.7	97.7	99.7	99.7	98.2	99.0	83.3	93.5	79.7	92.9	79.7	92.9	79.7	93.2	79.7	93.2	79.6	92.9	80.4	92.9	80.4	92.9	80.4	92.9
RVA/Hu-wt/USA/VU06-07-27/2006/G1P[8]	11	97.4	98.7	97.0	97.2	99.2	99.5	98.2	98.7	83.6	93.2	79.7	92.8	79.8	92.7	79.8	92.9	79.8	92.9	79.8	92.7	80.6	92.9	80.6	92.7	80.6	92.7
RVA/Human-wt/BEL/BE00036/2008/G1P[8]	11	97.1	99.0	96.7	97.7	99.2	99.7	98.2	99.0	83.8	93.5	79.9	92.9	80.1	92.9	80.1	93.2	80.1	93.2	80.0	92.9	80.9	92.9	80.9	92.9	80.9	92.9
RVA/Human-wt/BGD/SK277/2005/G12P[6]	11	97.9	99.5	97.5	98.2	98.7	99.2	98.7	99.5	83.9	93.5	80.3	92.9	80.4	92.9	80.4	93.2	80.4	93.2	80.4	92.9	81.2	92.9	81.2	92.9	81.2	92.9
RVA/Human-wt/CMR/MRC-DPRU1417/2009/G9P[8]	11	97.4	99.0	97.0	97.4	98.4	98.7	98.3	99.0	83.6	93.2	80.1	92.7	80.3	92.7	80.3	92.9	80.3	92.9	80.2	92.7	81.0	92.7	81.0	92.7	81.0	92.7
RVA/Cow-wt/ZAF/1604/2007/G8P[1]	12	80.0	91.9	79.6	90.7	80.1	92.2	80.1	92.2	79.3	90.9	93.9	99.5	93.4	99.5	93.3	99.2	93.3	99.2	93.2	99.0	93.7	99.5	93.7	99.5	93.7	99.5
RVA/Simian-tc/ZAF/SA11-N5/1958/G3P[2]	12	78.8	92.2	78.4	90.9	79.0	91.4	78.6	92.4	80.2	91.4	86.6	97.7	86.6	97.7	86.6	97.5	86.6	97.5	86.6	97.2	86.7	97.7	86.7	97.7	86.7	97.7
RVA/Camel-wt/SDN/MRC-DPRU447/2002/G8P[11]	12	80.7	91.7	80.3	90.4	80.0	91.9	80.2	91.9	79.4	90.2	92.9	98.7	92.5	98.7	92.4	98.5	92.4	98.5	92.4	98.2	93.5	98.7	93.5	98.7	93.5	98.7
RVA/Cow-wt/ZAF/1603/2007/G6P[5]	12	79.1	91.7	78.7	90.4	79.1	91.9	79.1	91.9	79.3	91.4	93.4	98.7	93.3	98.7	93.4	99.0	93.4	99.0	93.3	98.7	93.5	98.7	93.5	98.7	93.5	98.7
RVA/Cow-wt/ZAF/1605/2007/G6P[5]	12	79.1	91.7	78.7	90.4	79.1	91.9	79.1	91.9	79.3	91.4	93.4	98.7	93.3	98.7	93.4	99.0	93.4	99.0	93.3	98.7	93.5	98.7	93.5	98.7	93.5	98.7
RVA/Antelope-wt/ZAF/RC-18-08/G6P[14]	12	79.9	91.9	79.5	90.7	80.0	92.2	80.0	92.2	79.8	90.9	94.0	99.5	93.4	99.5	93.3	99.2	93.3	99.2	93.2	99.0	93.9	99.5	93.9	99.5	93.9	99.5
RVA/Human-wt/MWI/1473/2001/G8P[4]	12	79.6	91.9	79.2	90.7	79.5	92.2	80.0	92.2	79.8	90.9	97.0	99.5	98.0	99.5	97.9	99.2	97.9	99.2	97.8	99.0	98.1	99.5	98.1	99.5	98.1	99.5
RVA/Guanaco-wt/ARG/Rio_Negro/1998/G8P[1]	12	80.4	91.7	80.0	90.4	80.2	91.9	80.4	91.9	79.1	90.7	92.0	99.2	91.7	99.2	91.6	99.0	91.6	99.0	91.5							