

Table S2: GenBank Accession numbers of human Wa-like RVAs and porcine RVAs analyzed in this study

Full Strain Name	VP1	VP2	VP3	NSP2	NSP3	NSP4	NSP5/6
RVA/Human-tc/USA/1976/G2P[4]*	HQ650116	HQ650117	HQ650118	HQ650123	HQ650122	HQ650125	HQ650126
RVA/Human-wt/THA/CU938-BK/2011/G3P[8]	JN706459	JN706474	JN706493	JN706614	JN706635	JN706658	JN706680
RVA/Human-wt/THA/CU747-KK/2010/G3P[8]	JN706457	JN706472	JN706495	JN706612	JN706634	JN706656	JN706678
RVA/Human-wt/THA/CU460-KK/2009/G12P[8]	JN706453	JN706468	JN706499	JN706608	JN706630	JN706652	JN706674
RVA/Human-wt/CMR/MRC-DPRU1424/2009/G9P[8]	JN605404	JN605405	JN605406	JN605411	JN605412	JN605413	JN605414
RVA/Human-wt/ZWE/MRC-DPRU1723/2009/G9P[8]	JN605415	JN605416	JN605417	JN605422	JN605423	JN605424	JN605425
RVA/Human-wt/ZAF/MRC-DPRU1262/2004/G1P[8]	KP752742	KP752743	KP752744	KP752738	KP752739	KP752740	KP752741
RVA/Human-wt/BEL/BE00030/2008/G1P[8]	HQ392245	HQ392254	HQ392255	HQ392246	HQ392251	HQ392249	HQ392248
RVA/Human-wt/BEL/BE00043/2009G1P[8]	HQ392377	HQ392386	HQ392385	HQ392378	HQ392387	HQ392382	HQ392380
RVA/Human-wt/BEL/BE00055/1999/G1P[8]	JN258795	JN258800	JN258799	JN258794	JN258793	JN258797	JN258796
RVA/Human-wt/BEL/B4633/2003/G12P[8]	DQ146638	DQ146639	DQ146640	DQ146645	DQ146646	DQ146647	DQ146648
RVA/Human-wt/BEL/B3458/2003/G9P[8]	DQ870501	DQ870502	DQ870503	EF990710	EF990711	EF990712	EF990713
RVA/Human-wt/USA/2008747100/2008/G1P[8]	HM773788	HM773789	HM773790	HM773795	HM773794	HM773797	HM773798
RVA/Human-wt/USA/2008747288/2008/G1P[8]	JN258375	JN258385	JN258384	JN258376	JN258381	JN258379	JN258378
RVA/Human-wt/USA/2007719720/2007/G1P[8]	JN258331	JN258341	JN258336	JN258332	JN258334	JN258339	JN258333
RVA/Human-wt/USA/VU08-09-20/2008/G3P[8]	JF790326	JF790330	JF790328	JF790321	JF790324	JF790323	JF790322
RVA/Human-wt/USA/VU06-07-21/2006/G1P[8]	JF490908	JF490918	JF490917	JF490909	JF490914	JF490912	JF490911
RVA/Human-wt/USA/VU06-07-32/2006/G1P[8]	JF490930	JF490940	JF490939	JF490931	JF490936	JF490934	JF490933
RVA/Human-wt/USA/VU05-06-2/2005/G1P[8]	JF490556	JF490566	JF490565	JF490557	JF490562	JF490560	JF490559
RVA/Human-wt/USA/VU05-06-47/2005/G1P[8]	JF490732	JF490742	JF490741	JF490733	JF490738	JF490736	JF490735
RVA/Human-wt/AUS/CK00100/2010/G1P[8]	JX027974	JX027977	JX027976	JX027967	JX027972	JX027970	JX027969
RVA/Human-wt/AUS/CK00088/2009/G1P[8]	JX027868	JX027878	JX027877	JX027869	JX027874	JX027872	JX027871
RVA/Human-wt/AUS/CK00034/2007/G1P[8]	JF490402	JF490412	JF490411	JF490403	JF490407	JF490405	JF490404
RVA/Human-wt/AUS/CK00005/2004/G1P[8]	JF490127	JF490134	JF490137	JF490128	JF490132	JF490131	JF490130
RVA/human-tc/CHN/R588/2005/G1P[8]	JQ087434	JQ087435	JQ087436	JQ087441	JQ087442	JQ087443	JQ087444
RVA/Human-tc/CHN/Y128/2004/G1P[8]	JQ087423	JQ087424	JQ087425	JQ087430	JQ087431	JQ087432	JQ087433
RVA/Human-wt/ITA/JES11/2010/G9P[8]	JX195085	JX195086	JX195087	JX195092	JX195093	JX195094	JX195095
RVA/Human-wt/ITA/AV21/2010/G9P[8]	JX195063	JX195064	JX195065	JX195070	JX195071	JX195072	JX195073
RVA/Human-wt/DEU/GER126-08/2008/G12P[8]	FJ747613	FJ747614	FJ747615	FJ747621	FJ747622	FJ747623	FJ747624
RVA/human-wt/DEU/GER172-08/2008/G12P[6]	FJ747625	FJ747626	FJ747627	FJ747632	FJ747633	FJ747634	FJ747635
RVA/Human-wt/IND/61060/2006/G1P[8]	HQ609554	HQ609557	HQ609560	HQ609569	HQ609572	HQ609575	HQ609578
RVA/Human-wt/IND/6361/2006/G1P[8]	HQ609552	HQ609555	HQ609558	HQ609567	HQ609570	HQ609573	HQ609576
RVA/Human-wt/PRY/954SR/2005/G4P[8]	KJ559301	KJ559302	KJ559303	KJ559297	KJ559298	KJ559299	KJ559300
RVA/Human-wt/PRY/1638SR/2008/G1P[8]	KJ412710	KJ412711	KJ412712	KJ412706	KJ412707	KJ412708	KJ412709
RVA/Human-tc/JPN/YO/1977/G3P[8]	DQ870497	DQ870498	DQ870499	JX629047	JX629048	AB008236	JX629049
RVA/Human-tc/BRA/IAL28/1992/G5P[8]	EF583029	EF583030	EF583031	EF672587	EF672586	EF672589	EF672590
RVA/Human-wt/USA/DC1476/1974/G1P[8]	KC57956	KC579565	KC579566	KC579560	KC579561	KC579562	KC579563
RVA/Human-wt/USA/DC1600/1980/G3P[8]	FJ947771	FJ947772	FJ947773	FJ947778	FJ947777	FJ947780	FJ947781
RVA/Human-wt/USA/DC4608/1980/G4P[8]	HM773898	HM773899	HM773900	HM773905	HM773904	HM773907	HM773908
RVA/Human-wt/BEL/BE2001/2009/G9P[6]	JQ993321	JQ993322	JQ993323	JQ993325	JQ993326	JQ993327	JQ993328
RVA/Human-wt/ARG/Arg4605/2006/G4P[6]	KC412043	KC412044	KC412046	KC412035	not included	GQ282605	KC412041
RVA/Human-tc/THA/Mc323/1989/G9P[19]	JN104611	JN104612	JN104613	JN104616	JN104617	JN104618	U54772
RVA/Human-wt/HUN/BP271/2000/G4P[6]	KF835889	KF835897	KF835905	KF835945	not included	KF835961	KF835969
RVA/Human-wt/HUN/BP1227/2002/G4P[6]	KF835891	KF835899	KF835907	KF835947	KF835955	KF835963	KF835971
RVA/Human-wt/HUN/BP1547/2005/G4P[6]	KF835894	KF835902	KF835910	KF835950	not included	KF835966	KF835974
RVA/Human-wt/PRY/1809SR/2009/G4P[6]	KJ412564	KJ412565	KJ412566	KJ412560	not included	KJ412562	KJ412563
RVA/Human-wt/BGD/Dhaka6/2001/G11P[25]	EF560705	GU199519	EF560706	EF560709	EF560710	EF560711	EF560712
RVA/Human-wt/BGD/Matlab36/2002/G11P[8]	GU199503	GU199504	GU199505	GU199510	GU199511	GU199512	GU199513
RVA/Human-wt/JPN/Ryukyu-1120/2011/G5P[6]	AB741649	AB741650	AB741651	AB741656	AB741657	AB741658	AB741659
RVA/Human-tc/AUS/RV3/1993/G3P[6]	FJ998270	FJ998271	FJ998272	FJ998277	FJ998276	FJ998279	FJ998280
RVA/Human-tc/IND/116E/1985/G9P[11]	FJ361201	FJ361202	FJ361203	FJ361208	FJ361207	FJ361210	FJ361211
RVA/Human-wt/ECU/EC2184/G11P[6]	GQ149091	GQ149092	GQ149093	GQ149101	GQ149098	GQ149099	GQ149100
RVA/Pig-wt/BRA/ROTA01/2013/G5P[13]	KJ482382	KJ482409	KJ482436	KJ482274	not included	KJ482328	KJ482353
RVA/Pig-wt/BRA/ROTA02/2013/G5P[13]	not included	KJ482410	not included	KJ482275	not included	KJ482329	KJ482354
RVA/Pig-wt/BRA/ROTA03/2013/G11P[23]	KJ482384	KJ482411	KJ482438	KJ482276	not included	KJ482330	KJ482355
RVA/Pig-wt/BRA/ROTA04/2013/G5P[13]	KJ482385	KJ482412	not included	KJ482277	not included	KJ482331	KJ482356
RVA/Pig-wt/BRA/ROTA05/2013/G5P[13]	not included	KJ482413	not included	KJ482278	KJ482301	not sequenced	KJ482357
RVA/Pig-wt/BRA/ROTA06/2013/G11P[6]	KJ482387	KJ482414	KJ482441	KJ482279	not included	KJ482332	KJ482358
RVA/Pig-wt/BRA/ROTA07/2013/G5P[13]	KJ482388	KJ482415	KJ482442	KJ482280	not included	KJ482333	KJ482377
RVA/Pig-wt/BRA/ROTA08/2013/G3P[6]	KJ482389	KJ482416	KJ482443	KJ482281	not included	KJ482334	KJ482359
RVA/Pig-wt/BRA/ROTA09/2013/G3P[13]	KJ482390	KJ482417	KJ482444	KJ482282	not included	KJ482335	KJ482378
RVA/Pig-wt/BRA/ROTA10/2013/G9P[13]	KJ482391	KJ482418	KJ482445	KJ482283	KJ482306	KJ482336	KJ482360
RVA/Pig-wt/BRA/ROTA11/2013/G9P[23]	KJ482392	KJ482419	KJ482446	KJ482284	KJ482307	KJ482337	KJ482361
RVA/Pig-wt/BRA/ROTA12/2013G9P[23]	KJ482393	KJ482420	KJ482447	KJ482285	KJ482308	KJ482338	KJ482362
RVA/Pig-wt/BRA/ROTA13/2013/G9P[6]	not included	not included	not sequenced	KJ482286	not included	KJ482339	KJ482363

RVA/Pig-wt/BRA/ROTA14/2013/G9P[23]	KJ482395	KJ482422	KJ482448	KJ482287	KJ482310	KJ482340	KJ482364
RVA/Pig-wt/BRA/ROTA15/2013G9P[23]	KJ482396	KJ482423	KJ482449	KJ482288	KJ482311	KJ482341	KJ482365
RVA/Pig-wt/BRA/ROTA16/2013/G3P[13]	not sequenced	not included	not sequenced	KJ482295	not included	KJ482342	KJ482379
RVA/Pig-wt/BRA/ROTA17/2013/G5P[6]	KJ482397	KJ482425	KJ482450	KJ482289	not included	KJ482343	KJ482366
RVA/Pig-wt/BRA/ROTA18/2013/G5P[7]	KJ482398	KJ482426	not included	KJ482290	not included	KJ482344	KJ482367
RVA/Pig-wt/BRA/ROTA24/2013/G5P[6]	KJ482402	KJ482429	KJ482455	KJ482291	not included	KJ482348	KJ482371
RVA/Pig-wt/BRA/ROTA25/2013/G5P[13]	KJ482403	KJ482430	KJ482456	KJ482297	not included	KJ482349	KJ482372
RVA/Pig-wt/BRA/ROTA27/2013/GxP[x]	KJ482404	not included	KJ482457	KJ482292	KJ482322	KJ482350	KJ482381
RVA/Pig-wt/BRA/ROTA30/2013/G9P[23]	KJ482407	KJ482434	KJ482458	KJ482293	KJ482325	KJ482351	KJ482375
RVA/Pig-wt/BRA/ROTA31/2013/GxP[23]	KJ482408	KJ482435	KJ482459	KJ482294	KJ482326	KJ482352	KJ482376
RVA/Pig-wt/BEL/12R022/2012/G2P[27]	KM820698	KM820705	KM820712	KM820670	not included	not included	KM820691
RVA/Pig-wt/BEL/12R002/2012/G5P[7]	KM820695	KM820702	not included	KM820667	KM820674	KM820681	KM820688
RVA/Pig-wt/BEL/12R006/2012/G3P[6]	KM820697	KM820704	KM820711	KM820669	KM820676	KM820683	KM820690
RVA/Pig-wt/BEL/12R005/2012/G4P[7]	KM820696	KM820703	KM820710	KM820668	not included	KM820682	KM820689
RVA/Pig-wt/BEL/12R041/2012/G9P[13]	KM820700	KM820706	KM820713	KM820671	not included	KM820685	KM820692
RVA/Pig-wt/BEL/12R046/2012/G9P[23]	KM820699	KM820707	KM820714	KM820672	KM820679	KM820686	KM820693
RVA/Pig-wt/ITA/3BS/2009/G9P[23]	KC610689	KC610690	KC610691	KC610696	KC610697	KC610698	KC610699
RVA/Pig-wt/ITA/2CR/2009/G9P[23]	KC610678	KC610679	KC610680	KC610685	not included	KC610687	KC610688
RVA/Pig-wt/ITA/7RE/2009/G9P[23]	KC610700	KC610701	KC610702	KC610707	KC610708	KC610709	KC610710
RVA/Pig-tc/THA/CMP45/08/2008/G3P[23]	AB779624	AB779628	AB779632	AB779640	AB779644	HQ268839	HQ268844
RVA/Pig-tc/THA/CMP29/08/2008/G3P[13]	AB779622	AB779626	AB779630	AB779638	AB779642	HQ268837	HQ268842
RVA/Pig-tc/THA/CMP40/08/2008/G3P[23]	AB779623	AB779627	AB779631	AB779639	AB779643	HQ268838	HQ268843
RVA/Pig-tc/THA/CMP48/08/2008/G3P[23]	AB779625	AB779629	AB779633	AB779641	AB779645	HQ268841	HQ268846
RVA/Pig-tc/KOR/PRG921/2006/G9P[23]	JF796712	JF796713	JF796714	JF796708	JF796709	JF796710	JF796711
RVA/Pig-tc/KOR/PRG9121/2006/G9P[7]	JF796734	JF796735	JF796736	JF796730	JF796731	JF796732	JF796733
RVA/Pig-tc/KOR/PRG9235/2006/G9P[23]	JF796701	JF796702	JF796703	JF796697	JF796698	JF796699	JF796700
RVA/Pig-tc/KOR/PRG942/2006/G9P[23]	JF796723	JF796724	JF796725	JF796719	JF796720	JF796721	JF796722
RVA/Pig-wt/CAN/F8-4/2006/G2P[x]	JN974795	JN974799	JN974802	JN974782	not included	JN974786	JN974791
RVA/Pig-wt/CAN/F7-4/2006/G9P[x]	JN974794	JN974798	JN974800	JN974779	not sequenced	JN974789	JN974792
RVA/Pig-wt/JPN/BU8/2014/G4P[6]	AB924095	AB924096	AB924097	AB924102	AB924103	AB924104	AB924105
RVA/Pig-wt/JPN/BU2/2014/G5P[7]	AB924084	AB924085	AB924086	AB924091	AB924092	AB924093	AB924094
RVA/Pig-tc/BEL/RV277/1977/G1P[7]	KM820701	KM820708	KM820715	KM820673	not included	KM820687	KM820694
RVA/Pig-tc/USA/OSU/1977/G5P[7]	KR052767	KR052768	KR052769	KR052763	KR052764	KR052765	KJ450852
RVA/Pig-tc/MEX/YM/1983/G11P[7]	X76486	GU199516	AY300922	GU199517	GU199518	X69485	X69486
RVA/Pig-tc/USA/Gottfried/1983/G4P[6]	KR052746	KR052747	KR052748	KR052742	KR052743	KR052744	KR052745
RVA/Pig-wt/IND/RU172/2002/G12P[7]	GU199191	GU199192	GU199193	GU199195	GU199196	DQ204740	DQ204739
RVA/Pig-wt/VEN/A131/1988/G3P[7]	EF560618	EF560619	EF560620	EF990688	EF990689	AF144798	EF990690
RVA/Pig-tc/CHN/NMTL/2008/G9P[23]	JF781158	JF781159	JF781160	JF781165	JF781166	JF781167	JF781168

\*Outgroup; genotype 2 genes