

Table S3. SNPs in genes coding for proteins interacting with viral products that significantly correlate with virus diversity.

SNP	Gene	Annotation ^a	τ	<i>p</i> value
rs1135029	<i>PDE2A</i>	A867A	0.6146	0.00002353
rs11235559	<i>PDE2A</i>	intron	0.6083	0.00002950
rs189332	<i>PDE2A</i>	intron	0.5984	0.00005568
rs1890139	<i>PCCA</i>	intron	0.5883	0.00010822
rs10898866	<i>CENTD2</i>	intron	0.5753	0.00023944
rs1986656	<i>TMEM110</i>	intron	0.5747	0.00096853
rs11150843	<i>GAA</i>	R223H	0.5717	0.00027879
rs10793036	<i>PDE2A</i>	intron	0.5619	0.00048208
rs10510499	<i>PCAF</i>	3' UTR	0.5587	0.00928330
rs2559658	<i>POLR3A</i>	intron	0.5583	0.00158061
rs677344	<i>VPS16</i>	intron	0.5550	0.00077076
rs2192973	<i>GRIN2B</i>	intron	0.5542	0.00079250
rs3784064	<i>SIPA1L1</i>	intron	0.5535	0.00135324
rs2525570	<i>NF1</i>	intron	0.5506	0.00077971
rs6138953	<i>PTPRA</i>	intron	0.5496	0.00377280
rs765688	<i>GRIN2B</i>	intron, phastCons element	0.5483	0.00428444
rs1204997	<i>SIPA1L1</i>	intron	0.5470	0.00192983
rs1204995	<i>SIPA1L1</i>	intron	0.5470	0.00192983
rs133290	<i>SREBF2</i>	intron	0.5462	0.00118971
rs2781064	<i>ENO1</i>	intron	0.5459	0.00114544
rs341087	<i>PDE2A</i>	intron	0.5457	0.00106212
rs2193151	<i>GRIN2B</i>	intron	0.5447	0.00511533
rs3784929	<i>KARS</i>	intron	0.5447	0.00111157
rs6491544	<i>PCCA</i>	intron	0.5445	0.00120365
rs2290559	<i>SPTBN5</i>	R1310H	0.5427	0.00222867
rs7318781	<i>PCCA</i>	intron	0.5415	0.00148739
rs2783224	<i>PCCA</i>	intron	0.5402	0.00155719
rs1339249	<i>PCSK5</i>	intron	0.5400	0.00145279
rs1573994	<i>ITPR2</i>	intron, phastCons element	0.5390	0.00163913
rs378759	<i>GTF2E1</i>	intron	0.5386	0.00152222
rs613075	<i>MGAT5B</i>	intron	0.5382	0.00164549
rs9518023	<i>PCCA</i>	intron	0.5382	0.00158834
rs2216128	<i>GRIN2B</i>	intron	0.5380	0.00171647
rs10493066	<i>SFPQ</i>	intron	0.5379	0.00152690

rs1981929	<i>MSH2</i>	intron	0.5363	0.00200132
rs9383562	<i>AKAP12</i>	intron	0.5329	0.00248404
rs16988201	<i>PTPRA</i>	intron	0.5324	0.00488301
rs1045580	<i>RPA3</i>	intron	0.5320	0.00270437
rs547976	<i>SFRS4</i>	intron	0.5308	0.00317025
rs684215	<i>PCCA</i>	intron	0.5302	0.00264730
rs9857526	<i>ADCY5</i>	intron	0.5294	0.00340934
rs458275	<i>PDE2A</i>	intron	0.5286	0.00278651
rs656024	<i>MGAT5B</i>	intron	0.5280	0.00279309
rs10493067	<i>SFPQ</i>	intron, phastCons element	0.5270	0.00281069
rs17080169	<i>RFC3</i>	intron	0.5267	0.00304077
rs1590345	<i>GSN</i>	intron	0.5261	0.00342262
rs532751	<i>RPS3</i>	intron	0.5257	0.00477382
rs3746692	<i>PTPRA</i>	intron	0.5256	0.00687662
rs12212415	<i>NUP43</i>	intron	0.5234	0.00874523
rs11775890	<i>EIF3S3</i>	intron	0.5216	0.00422599
rs9841477	<i>ADCY5</i>	intron	0.5208	0.00427301
rs2620386	<i>PLA2G4F</i>	intron	0.5196	0.00430490
rs11045355	<i>PDE3A</i>	intron	0.5167	0.00983470
rs555414	<i>VPS16</i>	intron	0.5166	0.00490839
rs2242107	<i>NR4A1</i>	intron, phastCons element	0.5161	0.00564583
rs341086	<i>PDE2A</i>	intron	0.5159	0.00571697
rs729916	<i>PDE1C</i>	intron	0.5156	0.00532810
rs7953019	<i>PTPRO</i>	intron	0.5152	0.00533911
rs9910060	<i>MGAT5B</i>	intron	0.5152	0.00533011
rs12019900	<i>PCCA</i>	intron	0.5151	0.00616792
rs6491545	<i>PCCA</i>	intron	0.5100	0.00578030
rs3115876	<i>CAPN3</i>	intron	0.5143	0.00619320
rs7257503	<i>IL4I1</i>	intron	0.5134	0.00719180
rs7818703	<i>SNTB1</i>	intron	0.5133	0.00603412
rs4787963	<i>GTF3C1</i>	intron	0.5133	0.00818659
rs596662	<i>PDE4B</i>	intron	0.5122	0.00729566
rs9442	<i>ITPR2</i>	intron	0.5121	0.00744518
rs2220168	<i>ITPR2</i>	intron	0.5121	0.00607126
rs2559825	<i>POLR3A</i>	intron	0.5113	0.00657438
rs6056505	<i>PLCB4</i>	intron	0.5107	0.00685158
rs11929107	<i>PLS1</i>	intron	0.5103	0.00841831

rs1888049	<i>RFC3</i>	intron	0.5074	0.00811002
rs2265520	<i>VAV2</i>	intron	0.5073	0.00781512
rs885219	<i>POMP</i>	intron	0.5072	0.00840051
rs9528255	<i>RFC3</i>	intron	0.5062	0.00876915
rs6037443	<i>PTPRA</i>	intron	0.5060	0.00848320
rs6664461	<i>CAPZB</i>	intron	0.5057	0.00946298
rs6977381	<i>ABP1</i>	intron	0.5053	0.00986581
rs6562150	<i>RFC3</i>	intron	0.5033	0.00997433
rs2512450	<i>MTDH</i>	intron	0.5031	0.00999221

^aThe aminoacid substitution is reported for nonsynonymous SNPs; SNPs annotated as "phastCons element" are located within non-coding genomic regions that display high sequence conservation among mammals (as described in the text).