

Table S1. List of sequences used.

avian	nPPR	PPR	mu	G3	nPPR	PPR	mu	G4	nPPR	PPR	mu
AM943646	X	X		AF060668	X	X	X	AB193177	X	X	X
AM943647	X	X		AF060669	X	X	X	AB193178	X	X	X
AY535004	X	X		AF082843	X	X	X	AB197673	X	X	X
EF206691	X	X		AF455784		X		AB197674	X	X	X
GU954430	X	X		AP003430	X	X		AB200239	X	X	X
G1				AY115488	X	X		AB220971	X	X	X
AF051830	X	X	X	AY575857	X	X	X	AB220972	X	X	X
AF076239	X	X	X	AY575858	X	X		AB220973	X	X	X
AF185822	X	X	X	AY575859	X	X		AB220974	X	X	X
AF459438	X	X	X	EU360977	X	X		AB220975	X	X	X
AY204877	X	X	X	EU375463	X	X	X	AB220976	X	X	X
AY230202	X	X	X	EU495148	X	X		AB220977	X	X	X
D10330	X	X	X	EU495149		X		AB220978	X	X	X
D11092	X	X	X	EU495151		X		AB220979	X	X	X
D11093	X	X	X	EU495153		X		AB253420		X	
DQ459342	X	X	X	EU495154		X		AB291959	X	X	X
FJ457024	X	X	X	EU495155		X		AB291964	X	X	X
M73218	X	X	X	EU495156		X		AB291965	X	X	X
M80581	X	X	X	EU495157		X		AB291966	X	X	X
M94177	X	X	X	EU495158		X		AB291967	X	X	X
X98292	X	X	X	EU495159		X		AB291968	X	X	X
X99441	X	X	X	EU495160		X		AB369688	X	X	X
G3				EU495161		X		AB369690	X	X	X
AB073912	X	X	X	EU495162		X		AB480825		X	
AB074918	X	X	X	EU495163		X		AB481227	X	X	
AB074920	X	X	X	EU495164		X		AB521805	X	X	X
AB089824	X	X	X	EU495165		X		AB521806	X	X	X
AB091394	X	X	X	EU495166		X		AB602439		X	
AB189070		X	X	EU495167		X		AB602440		X	
AB189071		X	X	EU495168		X		AJ272108	X	X	
AB189072	X	X	X	EU495169		X		AY594199	X	X	
AB189073	X	X	X	EU495170		X		AY723745	X	X	X
AB189074	X	X	X	EU495171		X		DQ279091	X	X	
AB189075	X	X	X	EU495172		X		DQ450072	X	X	
AB222182		X	X	EU495173		X		EF077630	X	X	
AB222183		X	X	EU495174		X		EF570133	X	X	
AB222184		X	X	EU495175		X		EU366959	X	X	
AB236320		X	X	EU495176		X		EU676172	X	X	
AB246676	X	X		EU495177		X		FJ610232	X	X	X
AB248520	X	X	X	EU495179		X		FJ763142	X	X	
AB248521	X	X		EU495180		X		GU119960	X	X	X
AB248522	X	X		EU495181		X		GU119961	X	X	X
AB290312	X	X	X	EU495182		X		GU188851	X	X	X
AB290313	X	X	X	EU495183		X		GU206559	X	X	X
AB291951	X	X	X	EU495184		X		GU361892	X	X	X
AB291952	X	X	X	EU495185		X		HM152568	X	X	X
AB291953	X	X	X	EU495186		X		HM439284	X	X	X
AB291954	X	X	X	EU495187		X		HQ634346	X	X	
AB291955	X	X	X	EU495188		X		JF915746		X	

AB291956	X	X	X	EU495189		X		rubivirus			
AB291957	X	X	X	EU495190		X		AB047330	X	X	X
AB291958	X	X	X	EU723512	X	X	X	AB222609	X	X	X
AB291960	X	X	X	EU723513	X	X	X	AF435865	X	X	X
AB291961	X	X	X	EU723514	X	X	X	AF435866	X	X	X
AB291962	X	X	X	EU723515	X	X	X	AY258322	X	X	X
AB291963	X	X	X	EU723516	X	X	X	DQ085338	X	X	X
AB301710	X	X	X	FJ426403	X	X	X	DQ085339	X	X	X
AB362839		X		FJ426404	X	X	X	DQ085340	X	X	X
AB362840		X		FJ527832	X	X	X	DQ085341	X	X	X
AB362841		X		FJ653660	X	X	X	DQ085342	X	X	X
AB362842		X		FJ705359		X	X	DQ085343	X	X	X
AB362843		X		FJ956757	X	X	X	DQ388279	X	X	X
AB369687		X	X	FJ998008		X	X	DQ388280	X	X	X
AB369689	X	X	X	HM055578	X	X	X	DQ388281	X	X	X
AB369691	X	X	X	HQ389543	X	X	X	JF727653	X	X	X
AB425830		X		JN906974	X	X	X	JF727654	X	X	X
AB425831		X		JN906975	X	X	X	JN635281	X	X	X
AB437316	X	X	X	JN906976	X	X	X	JN635282	X	X	X
AB437317	X	X	X	JQ036300		X		JN635283	X	X	X
AB437318	X	X	X	G4				JN635284	X	X	X
AB437319	X	X		AB074915	X	X	X	JN635285	X	X	X
AB443623	X	X	X	AB074917	X	X	X	JN635286	X	X	X
AB443624	X	X	X	AB080575	X	X	X	JN635287	X	X	X
AB443625	X	X	X	AB091395	X	X	X	JN635288	X	X	X
AB443626	X	X	X	AB097811	X	X	X	JN635289	X	X	X
AB443627	X	X	X	AB097812	X	X	X	JN635291	X	X	X
AB481226	X	X		AB099347	X	X	X	JN635292	X	X	X
AB481228	X	X		AB108537	X	X	X	JN635293	X	X	X
AB481229	X	X		AB161717	X	X	X	JN635294	X	X	X
AB630970	X	X	X	AB161718	X	X	X	JN635295	X	X	X
AB630971	X	X	X	AB161719	X	X	X	JN635296	X	X	X
AB698071	X	X	X	AB193176	X	X	X	NC_001545	X	X	X
								X72393	X	X	X

Sequences are clustered as avian HEV, HEV genotypes 1, 3 and 4, and rubivirus. nPPR, ORF1 sequences without the polyproline region; PPR, the polyproline sequence and mu, sequences for which the mean substitution rate was estimated through Bayesian inference.