

**Table S1. Results of Blastp search with the RdRP amino acid sequences of HadV1 and polmycoviruses<sup>a</sup>**

Query		Blastp hits (E value lower than 0.001)											
Virus	RdRP accession	Sbjct description				Per. Ident	Query coverage		Sbjct coverage		E value	Score	Positives
		Accession	Organism	Family <sup>b</sup>	Genus <sup>b</sup>		from	To	from	To			
HadV1	-	YP_009551547.1	Virus	Polmycoviridae	Polmycovirus	32.012	156	797	133	763	7.82E-85	296	49.54
HadV1	-	CDP74618.1	Virus	Polmycoviridae	Polmycovirus	32.165	156	797	133	763	4.54E-84	294	49.24
HadV1	-	QAU09249.1	Virus	Polmycoviridae	Polmycovirus	32.879	154	800	131	766	1.72E-81	287	49.39
HadV1	-	YP_009052470.1	Virus	Polmycoviridae	Polmycovirus	32.663	213	797	185	759	1.05E-77	277	49.08
HadV1	-	AYP71801.1	Virus	Polmycoviridae	Polmycovirus	29.664	156	795	136	774	9.18E-76	272	47.71
HadV1	-	YP_009342446.1	Virus	Polmycoviridae	Polmycovirus	31.641	154	731	124	699	2.68E-72	262	47.21
HadV1	-	QDB74985.1	Virus	Polmycoviridae	Polmycovirus	30.581	156	797	134	764	3.98E-71	259	46.48
HadV1	-	YP_009352879.1	Virus	Polmycoviridae	Polmycovirus	31.311	156	749	136	726	7.22E-71	258	48.85
HadV1	-	QHG11067.1	Virus	Polmycoviridae	Polmycovirus	32.155	155	731	132	707	1.03E-70	258	48.82
HadV1	-	ALZ41794.1	Virus	Polmycoviridae	Polmycovirus	31.605	154	731	124	700	6.70E-70	255	46.66
HadV1	-	AYP71805.1	Virus	Polmycoviridae	Polmycovirus	30.191	139	797	109	760	7.99E-70	255	47.72
HadV1	-	CUS18599.1	Virus	Polmycoviridae	Polmycovirus	31.954	213	797	191	767	2.45E-68	251	50.17
HadV1	-	YP_009551548.1	Virus	Polmycoviridae	Polmycovirus	28.593	155	797	131	760	1.37E-65	243	47.25
HadV1	-	QHG11074.1	Virus	Polmycoviridae	Polmycovirus	30.223	60	797	34	761	6.85E-65	241	44.55
HadV1	-	ASV63092.1	Virus	Polmycoviridae	Polmycovirus	30.626	213	796	196	769	1.43E-63	238	45.35
HadV1	-	QDH44656.1	Virus	Polmycoviridae	Polmycovirus	30.399	206	796	196	769	1.42E-62	235	45.85
HadV1	-	AWY10945.1	Virus	Polmycoviridae	Polmycovirus	30.669	212	795	212	798	1.72E-59	227	46.82
HadV1	-	QHG11072.1	Virus	Polmycoviridae	Polmycovirus	30.03	147	797	124	763	7.49E-59	224	47.3
HadV1	-	AJP08049.1	Virus	Polmycoviridae	Polmycovirus	30.349	154	595	88	536	1.52E-45	182	46.72
HadV1	-	QHG11070.1	Virus	Polmycoviridae	Polmycovirus	30.618	217	564	1	354	5.36E-37	154	49.72
HadV1	-	QHG11073.1	Virus	Polmycoviridae	Polmycovirus	31.193	479	797	1	307	8.39E-24	114	45.26
AfuTmV1	CDP74618.1	CDP74618.1	Virus	Polmycoviridae	Polmycovirus	100	1	763	1	763	0	1568	100
AfuTmV1	CDP74618.1	YP_009551547.1	Virus	Polmycoviridae	Polmycovirus	97.51	1	763	1	763	0	1538	98.82
AfuTmV1	CDP74618.1	AYP71805.1	Virus	Polmycoviridae	Polmycovirus	67.062	6	763	3	760	0	1006	79.45
AfuTmV1	CDP74618.1	QDB74985.1	Virus	Polmycoviridae	Polmycovirus	55.814	34	763	35	764	0	768	67.31
AfuTmV1	CDP74618.1	YP_009342446.1	Virus	Polmycoviridae	Polmycovirus	54.521	15	763	7	756	0	745	68.22
AfuTmV1	CDP74618.1	ALZ41794.1	Virus	Polmycoviridae	Polmycovirus	54.316	15	763	7	757	0	728	67.86
AfuTmV1	CDP74618.1	QHG11067.1	Virus	Polmycoviridae	Polmycovirus	54.167	44	761	44	761	0	724	66.39
AfuTmV1	CDP74618.1	QAU09249.1	Virus	Polmycoviridae	Polmycovirus	51.857	11	763	11	763	0	719	65.12
AfuTmV1	CDP74618.1	CUS18599.1	Virus	Polmycoviridae	Polmycovirus	53.203	2	763	5	767	0	704	64.97
AfuTmV1	CDP74618.1	QHG11072.1	Virus	Polmycoviridae	Polmycovirus	50.066	15	763	13	763	0	691	65.6
AfuTmV1	CDP74618.1	YP_009551548.1	Virus	Polmycoviridae	Polmycovirus	47.52	9	763	12	760	0	634	58.88
AfuTmV1	CDP74618.1	QHG11074.1	Virus	Polmycoviridae	Polmycovirus	46.509	9	763	12	761	0	622	60.21
AfuTmV1	CDP74618.1	YP_009052470.1	Virus	Polmycoviridae	Polmycovirus	45.977	81	763	71	759	0	585	61.64
AfuTmV1	CDP74618.1	AYP71801.1	Virus	Polmycoviridae	Polmycovirus	42.318	33	761	36	774	0	571	56.74
AfuTmV1	CDP74618.1	ASV63092.1	Virus	Polmycoviridae	Polmycovirus	47.328	120	761	119	768	0	555	61.07
AfuTmV1	CDP74618.1	QDH44656.1	Virus	Polmycoviridae	Polmycovirus	43.724	68	762	69	769	0	547	58.67
AfuTmV1	CDP74618.1	YP_009352879.1	Virus	Polmycoviridae	Polmycovirus	42.857	32	761	35	774	7.08E-176	533	55.81
AfuTmV1	CDP74618.1	AWY10945.1	Virus	Polmycoviridae	Polmycovirus	44.808	84	761	102	798	7.35E-172	524	60.31
AfuTmV1	CDP74618.1	AJP08049.1	Virus	Polmycoviridae	Polmycovirus	47.477	46	579	20	536	7.78E-135	419	60.56
AfuTmV1	CDP74618.1	QHG11070.1	Virus	Polmycoviridae	Polmycovirus	59.116	196	557	4	363	1.05E-132	407	71.55
AfuTmV1	CDP74618.1	QHG11073.1	Virus	Polmycoviridae	Polmycovirus	48.208	457	763	1	307	2.22E-81	272	60.59
AfuTmV1	CDP74618.1	CUS18606.1	Virus	Polmycoviridae	Polmycovirus	62.963	442	495	1	54	3.13E-12	72.8	74.07
AfuTmV1	CDP74618.1	NP_777370.1	Virus	Caliciviridae	Vesivirus	28.643	417	604	1598	1771	8.23E-05	58.9	49.25
AfuTmV1	CDP74618.1	ABI34900.1	Virus	Caliciviridae	Vesivirus	28.141	417	604	30	203	8.25E-05	57.4	48.74
AfuTmV1	CDP74618.1	YP_873922.1	Virus	Caliciviridae	Vesivirus	28.767	397	604	1580	1771	8.30E-05	58.9	47.95
AfuTmV1	CDP74618.1	YP_002004564.1	Virus	Caliciviridae	Vesivirus	28.125	417	599	1599	1765	1.18E-04	58.5	48.96
AfuTmV1	CDP74618.1	ABI34892.1	Virus	Caliciviridae	Vesivirus	27.638	417	604	30	203	1.97E-04	56.2	48.74
AfuTmV1	CDP74618.1	ABI34890.1	Virus	Caliciviridae	Vesivirus	27.638	417	604	30	203	2.74E-04	55.8	48.74
AfuTmV1	CDP74618.1	YP_009361874.1	Virus	Caliciviridae	Vesivirus	28.125	417	599	1627	1793	3.67E-04	57	48.44
AfuTmV1	CDP74618.1	ABI34902.1	Virus	Caliciviridae	Vesivirus	27.604	417	599	30	196	3.86E-04	55.5	47.4
AfuTmV1	CDP74618.1	ABI34904.1	Virus	Caliciviridae	Vesivirus	27.363	417	604	30	203	4.87E-04	55.1	47.76
AfuTmV1	CDP74618.1	ABI34888.1	Virus	Caliciviridae	Vesivirus	27.083	417	599	30	196	5.88E-04	54.7	48.44
AfuTmV1	CDP74618.1	P36287.2	Virus	Caliciviridae	Vesivirus	27.854	397	604	914	1105	6.54E-04	55.8	47.49
AfuTmV1	CDP74618.1	AFZ40060.1	Virus	Caliciviridae	Vesivirus	28.78	404	599	1586	1764	7.29E-04	55.8	48.29
BbPmV1	CUS18595.1	YP_009352879.1	Virus	Polmycoviridae	Polmycovirus	100	1	775	1	775	0	1587	100
BbPmV1	CUS18595.1	AYP71801.1	Virus	Polmycoviridae	Polmycovirus	52.503	1	774	1	774	0	820	68.42
BbPmV1	CUS18595.1	CDP74618.1	Virus	Polmycoviridae	Polmycovirus	43.124	35	774	32	761	1.11E-178	540	56.34
BbPmV1	CUS18595.1	YP_009551547.1	Virus	Polmycoviridae	Polmycovirus	42.876	35	774	32	761	7.04E-178	538	56.72
BbPmV1	CUS18595.1	QDB74985.1	Virus	Polmycoviridae	Polmycovirus	42.219	39	774	37	762	9.34E-172	523	55.62
BbPmV1	CUS18595.1	AYP71805.1	Virus	Polmycoviridae	Polmycovirus	41.767	33	775	27	759	2.16E-169	516	55.15
BbPmV1	CUS18595.1	AWY10945.1	Virus	Polmycoviridae	Polmycovirus	42.629	52	775	68	799	9.29E-165	506	56.71
BbPmV1	CUS18595.1	ASV63092.1	Virus	Polmycoviridae	Polmycovirus	39.894	35	774	33	768	3.46E-162	498	56.25
BbPmV1	CUS18595.1	QDH44656.1	Virus	Polmycoviridae	Polmycovirus	40.108	45	774	43	768	1.72E-161	496	56.53
BbPmV1	CUS18595.1	QAU09249.1	Virus	Polmycoviridae	Polmycovirus	42.798	64	775	50	762	1.12E-159	492	54.87
BbPmV1	CUS18595.1	YP_009052470.1	Virus	Polmycoviridae	Polmycovirus	39.195	40	775	35	758	2.52E-158	488	55.03
BbPmV1	CUS18595.1	YP_009342446.1	Virus	Polmycoviridae	Polmycovirus	39.742	13	774	7	754	2.77E-154	478	54.06
BbPmV1	CUS18595.1	CUS18599.1	Virus	Polmycoviridae	Polmycovirus	43.108	48	774	48	765	1.40E-153	476	56.35

BbPmV1	CUS18595.1	ALZ41794.1	Virus	Polymyoviridae	Polymyovirus	39.484	13	774	7	755	5.66E-151	469	53.16
BbPmV1	CUS18595.1	YP_009551548.1	Virus	Polymyoviridae	Polymyovirus	40.269	120	774	116	758	1.90E-147	460	54.34
BbPmV1	CUS18595.1	QHG11067.1	Virus	Polymyoviridae	Polymyovirus	39.431	48	774	45	761	8.77E-147	458	55.28
BbPmV1	CUS18595.1	QHG11072.1	Virus	Polymyoviridae	Polymyovirus	41.308	107	774	104	761	2.00E-145	455	55.57
BbPmV1	CUS18595.1	QHG11074.1	Virus	Polymyoviridae	Polymyovirus	39.759	120	774	116	759	1.19E-139	440	54.07
BbPmV1	CUS18595.1	AJP08049.1	Virus	Polymyoviridae	Polymyovirus	44.259	45	579	1	536	2.12E-109	353	57.41
BbPmV1	CUS18595.1	QHG11070.1	Virus	Polymyoviridae	Polymyovirus	50.552	198	556	3	362	9.56E-100	322	64.36
BbPmV1	CUS18595.1	QHG11073.1	Virus	Polymyoviridae	Polymyovirus	37.143	465	774	6	305	1.01E-48	184	51.11
BbPmV1	CUS18595.1	CUS18606.1	Virus	Polymyoviridae	Polymyovirus	61.111	445	498	1	54	2.54E-11	70.1	72.22
BdRV1	AKE49495.1	YP_009342446.1	Virus	Polymyoviridae	Polymyovirus	100	1	757	1	757	0	1544	100
BdRV1	AKE49495.1	ALZ41794.1	Virus	Polymyoviridae	Polymyovirus	96.834	1	757	1	758	0	1475	96.83
BdRV1	AKE49495.1	AYP71805.1	Virus	Polymyoviridae	Polymyovirus	57.297	19	756	22	760	0	783	68.38
BdRV1	AKE49495.1	CDP74618.1	Virus	Polymyoviridae	Polymyovirus	54.521	7	756	15	763	0	770	68.22
BdRV1	AKE49495.1	YP_009551547.1	Virus	Polymyoviridae	Polymyovirus	54.388	7	756	15	763	0	770	68.09
BdRV1	AKE49495.1	QDB74985.1	Virus	Polymyoviridae	Polymyovirus	51.179	38	756	45	764	0	667	62.83
BdRV1	AKE49495.1	QAU09249.1	Virus	Polymyoviridae	Polymyovirus	48.874	5	757	11	764	0	645	60.93
BdRV1	AKE49495.1	QHG11072.1	Virus	Polymyoviridae	Polymyovirus	51.149	63	756	70	763	0	630	63.94
BdRV1	AKE49495.1	CUS18599.1	Virus	Polymyoviridae	Polymyovirus	51.965	72	756	82	767	0	620	65.07
BdRV1	AKE49495.1	YP_009551548.1	Virus	Polymyoviridae	Polymyovirus	46.06	26	756	35	760	0	603	59.1
BdRV1	AKE49495.1	QHG11067.1	Virus	Polymyoviridae	Polymyovirus	48.017	61	756	66	763	0	602	61.19
BdRV1	AKE49495.1	QHG11074.1	Virus	Polymyoviridae	Polymyovirus	43.026	9	756	18	761	0	579	58.82
BdRV1	AKE49495.1	YP_009052470.1	Virus	Polymyoviridae	Polymyovirus	45.482	95	757	99	760	0	564	60.99
BdRV1	AKE49495.1	ASV63092.1	Virus	Polymyoviridae	Polymyovirus	46.708	113	755	119	769	2.12E-179	542	58.81
BdRV1	AKE49495.1	QDH44656.1	Virus	Polymyoviridae	Polymyovirus	42.63	72	754	80	768	8.14E-173	525	57.23
BdRV1	AKE49495.1	AYP71801.1	Virus	Polymyoviridae	Polymyovirus	40.854	28	754	37	774	8.98E-170	517	55.81
BdRV1	AKE49495.1	YP_009352879.1	Virus	Polymyoviridae	Polymyovirus	39.406	7	754	13	774	8.16E-154	476	53.49
BdRV1	AKE49495.1	AWY10945.1	Virus	Polymyoviridae	Polymyovirus	41.536	80	754	105	798	1.90E-150	468	56.61
BdRV1	AKE49495.1	QHG11070.1	Virus	Polymyoviridae	Polymyovirus	59.444	189	548	4	362	1.15E-131	404	70.56
BdRV1	AKE49495.1	AJP08049.1	Virus	Polymyoviridae	Polymyovirus	46.584	95	572	60	537	2.27E-124	392	60.66
BdRV1	AKE49495.1	QHG11073.1	Virus	Polymyoviridae	Polymyovirus	43.831	449	756	1	307	3.01E-75	256	63.64
BdRV1	AKE49495.1	CUS18606.1	Virus	Polymyoviridae	Polymyovirus	74.074	434	487	1	54	5.34E-15	80.5	81.48
CcFV1	ASV63092.1	ASV63092.1	Virus	Polymyoviridae	Polymyovirus	100	1	771	1	771	0	1569	100
CcFV1	ASV63092.1	QDH44656.1	Virus	Polymyoviridae	Polymyovirus	58.201	17	771	19	771	0	881	74.07
CcFV1	ASV63092.1	YP_009052470.1	Virus	Polymyoviridae	Polymyovirus	53.733	27	771	24	760	0	791	68.67
CcFV1	ASV63092.1	AJP08049.1	Virus	Polymyoviridae	Polymyovirus	54.328	44	584	2	536	2.41E-180	536	67.96
CcFV1	ASV63092.1	YP_009551547.1	Virus	Polymyoviridae	Polymyovirus	47.176	119	768	120	761	2.19E-175	532	61.37
CcFV1	ASV63092.1	CDP74618.1	Virus	Polymyoviridae	Polymyovirus	47.328	119	768	120	761	2.29E-174	529	61.07
CcFV1	ASV63092.1	AYP71801.1	Virus	Polymyoviridae	Polymyovirus	42.375	44	768	46	774	3.88E-171	521	55.2
CcFV1	ASV63092.1	YP_009342446.1	Virus	Polymyoviridae	Polymyovirus	47.496	119	769	113	755	1.12E-170	520	59.94
CcFV1	ASV63092.1	AYP71805.1	Virus	Polymyoviridae	Polymyovirus	46.475	88	768	84	758	3.10E-168	513	59.71
CcFV1	ASV63092.1	ALZ41794.1	Virus	Polymyoviridae	Polymyovirus	47.112	119	769	113	756	3.75E-165	505	58.66
CcFV1	ASV63092.1	YP_009551548.1	Virus	Polymyoviridae	Polymyovirus	39.488	36	769	34	759	6.03E-161	494	55.26
CcFV1	ASV63092.1	QHG11067.1	Virus	Polymyoviridae	Polymyovirus	43.159	69	768	68	761	2.22E-159	491	56.98
CcFV1	ASV63092.1	QHG11074.1	Virus	Polymyoviridae	Polymyovirus	40.293	30	769	28	760	2.08E-158	488	54.65
CcFV1	ASV63092.1	CUS18599.1	Virus	Polymyoviridae	Polymyovirus	43.156	63	769	65	766	1.37E-157	486	58.8
CcFV1	ASV63092.1	QDB74985.1	Virus	Polymyoviridae	Polymyovirus	44.885	123	769	125	763	1.66E-157	486	57.25
CcFV1	ASV63092.1	QHG11072.1	Virus	Polymyoviridae	Polymyovirus	42.692	86	768	85	761	1.96E-155	480	57.02
CcFV1	ASV63092.1	YP_009352879.1	Virus	Polymyoviridae	Polymyovirus	40.293	33	768	35	774	8.70E-154	476	56.65
CcFV1	ASV63092.1	QAU09249.1	Virus	Polymyoviridae	Polymyovirus	43.66	88	768	87	761	8.75E-154	476	57.78
CcFV1	ASV63092.1	AWY10945.1	Virus	Polymyoviridae	Polymyovirus	42.318	86	768	103	798	5.85E-141	444	55.17
CcFV1	ASV63092.1	QHG11070.1	Virus	Polymyoviridae	Polymyovirus	54.396	200	562	1	363	4.11E-118	370	67.31
CcFV1	ASV63092.1	QHG11073.1	Virus	Polymyoviridae	Polymyovirus	43.91	462	769	1	306	1.52E-68	238	60.58
CcFV1	ASV63092.1	CUS18606.1	Virus	Polymyoviridae	Polymyovirus	57.407	447	500	1	54	2.53E-11	70.1	74.07
FrPmV1	QDH44656.1	QDH44656.1	Virus	Polymyoviridae	Polymyovirus	100	1	771	1	771	0	1585	100
FrPmV1	QDH44656.1	ASV63092.1	Virus	Polymyoviridae	Polymyovirus	58.201	19	771	17	771	0	870	74.07
FrPmV1	QDH44656.1	YP_009052470.1	Virus	Polymyoviridae	Polymyovirus	54.412	27	771	24	760	0	815	70.19
FrPmV1	QDH44656.1	AJP08049.1	Virus	Polymyoviridae	Polymyovirus	55.331	43	585	1	536	0	554	68.57
FrPmV1	QDH44656.1	AYP71801.1	Virus	Polymyoviridae	Polymyovirus	43.432	43	768	45	774	1.14E-175	533	56.57
FrPmV1	QDH44656.1	CDP74618.1	Virus	Polymyoviridae	Polymyovirus	44.225	69	769	68	762	2.62E-170	519	58.87
FrPmV1	QDH44656.1	YP_009551547.1	Virus	Polymyoviridae	Polymyovirus	42.612	25	769	23	762	3.31E-170	518	57.65
FrPmV1	QDH44656.1	AYP71805.1	Virus	Polymyoviridae	Polymyovirus	44.35	69	768	65	758	2.84E-169	516	57.77
FrPmV1	QDH44656.1	QDB74985.1	Virus	Polymyoviridae	Polymyovirus	42.105	53	769	53	763	4.90E-164	503	55.4
FrPmV1	QDH44656.1	YP_009551548.1	Virus	Polymyoviridae	Polymyovirus	38.817	1	769	1	759	2.91E-162	498	54.37
FrPmV1	QDH44656.1	YP_009342446.1	Virus	Polymyoviridae	Polymyovirus	43.333	110	768	104	754	1.96E-160	493	57.88
FrPmV1	QDH44656.1	ALZ41794.1	Virus	Polymyoviridae	Polymyovirus	43.134	102	768	95	755	1.35E-158	488	57.31
FrPmV1	QDH44656.1	QAU09249.1	Virus	Polymyoviridae	Polymyovirus	42.207	63	768	60	761	6.77E-158	487	57.24
FrPmV1	QDH44656.1	QHG11074.1	Virus	Polymyoviridae	Polymyovirus	39.919	36	769	34	760	8.19E-157	484	54.44
FrPmV1	QDH44656.1	QHG11067.1	Virus	Polymyoviridae	Polymyovirus	39.751	51	768	52	761	2.17E-153	475	56.37
FrPmV1	QDH44656.1	CUS18599.1	Virus	Polymyoviridae	Polymyovirus	41.7	31	769	37	766	1.90E-152	473	55.25
FrPmV1	QDH44656.1	QHG11072.1	Virus	Polymyoviridae	Polymyovirus	40.974	80	769	79	762	7.36E-150	466	57.74
FrPmV1	QDH44656.1	YP_009352879.1	Virus	Polymyoviridae	Polymyovirus	40.108	43	768	45	774	2.79E-147	460	56.53
FrPmV1	QDH44656.1	AWY10945.1	Virus	Polymyoviridae	Polymyovirus	39.891	77	768	80	798	4.97E-146	457	53.96
FrPmV1	QDH44656.1	QHG11070.1	Virus	Polymyoviridae	Polymyovirus	50.97	202	562	3	362	2.91E-105	337	63.99
FrPmV1	QDH44656.1	QHG11073.1	Virus	Polymyoviridae	Polymyovirus	40.836	463	769	1	306	3.95E-64	226	60.77

FrPmV1	QDH44656.1	CUS18606.1	Virus	Polymyoviridae	Polymyovirus	57.407	448	501	1	54	2.51E-11	70.1	72.22
PdPmV1	AVZ65983.1	YP_009551548.1	Virus	Polymyoviridae	Polymyovirus	100	1	760	1	760	0	1569	100
PdPmV1	AVZ65983.1	QHG11074.1	Virus	Polymyoviridae	Polymyovirus	66.667	1	760	1	761	0	1046	79.79
PdPmV1	AVZ65983.1	CDP74618.1	Virus	Polymyoviridae	Polymyovirus	47.52	12	760	9	763	0	608	58.88
PdPmV1	AVZ65983.1	YP_009551547.1	Virus	Polymyoviridae	Polymyovirus	47.718	12	760	9	763	0	607	59.19
PdPmV1	AVZ65983.1	AYP71805.1	Virus	Polymyoviridae	Polymyovirus	47.446	29	760	23	760	0	603	59.81
PdPmV1	AVZ65983.1	YP_009342446.1	Virus	Polymyoviridae	Polymyovirus	46.06	35	760	26	756	0	559	59.1
PdPmV1	AVZ65983.1	CUS18599.1	Virus	Polymyoviridae	Polymyovirus	46.611	47	760	47	767	0	558	59.89
PdPmV1	AVZ65983.1	ALZ41794.1	Virus	Polymyoviridae	Polymyovirus	46.404	35	760	26	757	0	549	59.02
PdPmV1	AVZ65983.1	QDB74985.1	Virus	Polymyoviridae	Polymyovirus	45.269	82	760	80	764	0	546	58.95
PdPmV1	AVZ65983.1	QAU09249.1	Virus	Polymyoviridae	Polymyovirus	44.398	47	760	44	763	3.72E-178	539	57.54
PdPmV1	AVZ65983.1	YP_009052470.1	Virus	Polymyoviridae	Polymyovirus	39.481	36	760	30	759	5.09E-171	520	56.15
PdPmV1	AVZ65983.1	QHG11067.1	Virus	Polymyoviridae	Polymyovirus	43.793	42	760	38	763	1.13E-168	514	56.21
PdPmV1	AVZ65983.1	QHG11072.1	Virus	Polymyoviridae	Polymyovirus	41.145	18	760	40	763	3.33E-165	505	56.19
PdPmV1	AVZ65983.1	QDH44656.1	Virus	Polymyoviridae	Polymyovirus	38.817	1	759	1	769	1.64E-162	499	54.37
PdPmV1	AVZ65983.1	ASV63092.1	Virus	Polymyoviridae	Polymyovirus	39.271	34	759	36	769	5.01E-161	495	55.2
PdPmV1	AVZ65983.1	QHG11073.1	Virus	Polymyoviridae	Polymyovirus	66.234	453	760	1	307	5.38E-139	421	81.82
PdPmV1	AVZ65983.1	AYP71801.1	Virus	Polymyoviridae	Polymyovirus	36.486	45	758	45	774	2.07E-135	429	51.62
PdPmV1	AVZ65983.1	YP_009352879.1	Virus	Polymyoviridae	Polymyovirus	40.269	116	758	120	774	3.49E-132	420	54.34
PdPmV1	AVZ65983.1	AWY10945.1	Virus	Polymyoviridae	Polymyovirus	36.387	18	758	35	798	1.99E-128	411	53.42
PdPmV1	AVZ65983.1	QHG11070.1	Virus	Polymyoviridae	Polymyovirus	55	194	552	4	362	2.58E-120	375	70
PdPmV1	AVZ65983.1	AJP08049.1	Virus	Polymyoviridae	Polymyovirus	41.822	45	575	1	536	1.70E-108	351	55.39
PdPmV1	AVZ65983.1	CUS18606.1	Virus	Polymyoviridae	Polymyovirus	61.111	438	491	1	54	5.72E-12	72	75.93
AspTmV1	AYP71805.1	AYP71805.1	Virus	Polymyoviridae	Polymyovirus	100	1	760	1	760	0	1545	100
AspTmV1	AYP71805.1	YP_009551547.1	Virus	Polymyoviridae	Polymyovirus	67.457	3	760	6	763	0	1027	79.58
AspTmV1	AYP71805.1	CDP74618.1	Virus	Polymyoviridae	Polymyovirus	67.062	3	760	6	763	0	1022	79.45
AspTmV1	AYP71805.1	YP_009342446.1	Virus	Polymyoviridae	Polymyovirus	57.297	22	760	19	756	0	760	68.38
AspTmV1	AYP71805.1	ALZ41794.1	Virus	Polymyoviridae	Polymyovirus	57.22	22	760	19	757	0	747	67.75
AspTmV1	AYP71805.1	QDB74985.1	Virus	Polymyoviridae	Polymyovirus	53.762	31	760	35	764	0	720	64.3
AspTmV1	AYP71805.1	QAU09249.1	Virus	Polymyoviridae	Polymyovirus	54.506	76	760	79	763	0	705	68.31
AspTmV1	AYP71805.1	CUS18599.1	Virus	Polymyoviridae	Polymyovirus	53.134	29	760	35	767	0	702	67.03
AspTmV1	AYP71805.1	QHG11072.1	Virus	Polymyoviridae	Polymyovirus	53.017	67	760	70	763	0	698	67.67
AspTmV1	AYP71805.1	QHG11067.1	Virus	Polymyoviridae	Polymyovirus	52.347	62	760	65	763	0	692	67.57
AspTmV1	AYP71805.1	YP_009551548.1	Virus	Polymyoviridae	Polymyovirus	47.446	23	760	29	760	0	635	59.81
AspTmV1	AYP71805.1	QHG11074.1	Virus	Polymyoviridae	Polymyovirus	46.892	23	760	29	761	0	624	61.08
AspTmV1	AYP71805.1	YP_009052470.1	Virus	Polymyoviridae	Polymyovirus	43.419	30	760	30	759	0	563	59.84
AspTmV1	AYP71805.1	QDH44656.1	Virus	Polymyoviridae	Polymyovirus	44.507	65	758	69	768	0	556	57.61
AspTmV1	AYP71805.1	AYP71801.1	Virus	Polymyoviridae	Polymyovirus	42.261	30	758	36	774	0	547	55.59
AspTmV1	AYP71805.1	ASV63092.1	Virus	Polymyoviridae	Polymyovirus	45.954	84	758	88	768	1.32E-180	545	58.82
AspTmV1	AYP71805.1	YP_009352879.1	Virus	Polymyoviridae	Polymyovirus	41.098	27	759	33	775	3.00E-168	513	54.62
AspTmV1	AYP71805.1	AWY10945.1	Virus	Polymyoviridae	Polymyovirus	42.532	81	758	102	798	1.10E-155	482	57.33
AspTmV1	AYP71805.1	QHG11070.1	Virus	Polymyoviridae	Polymyovirus	59.066	191	553	2	362	8.64E-134	410	72.25
AspTmV1	AYP71805.1	AJP08049.1	Virus	Polymyoviridae	Polymyovirus	45.436	84	576	46	536	3.03E-119	379	60.04
AspTmV1	AYP71805.1	QHG11073.1	Virus	Polymyoviridae	Polymyovirus	47.557	454	760	1	307	3.14E-80	269	62.87
AspTmV1	AYP71805.1	CUS18606.1	Virus	Polymyoviridae	Polymyovirus	69.565	447	492	9	54	1.42E-11	70.9	84.78
CcV1	All80567.1	YP_009052470.1	Virus	Polymyoviridae	Polymyovirus	100	1	760	1	760	0	1556	100
CcV1	All80567.1	QDH44656.1	Virus	Polymyoviridae	Polymyovirus	54.412	24	760	27	771	0	809	70.19
CcV1	All80567.1	ASV63092.1	Virus	Polymyoviridae	Polymyovirus	52.666	10	760	8	771	0	781	67.62
CcV1	All80567.1	AJP08049.1	Virus	Polymyoviridae	Polymyovirus	68.47	40	574	1	536	0	725	79.85
CcV1	All80567.1	CDP74618.1	Virus	Polymyoviridae	Polymyovirus	45.977	71	759	81	763	0	558	61.64
CcV1	All80567.1	YP_009551547.1	Virus	Polymyoviridae	Polymyovirus	45.977	71	759	81	763	0	558	61.78
CcV1	All80567.1	AYP71801.1	Virus	Polymyoviridae	Polymyovirus	42.838	29	757	34	774	1.02E-178	540	56.36
CcV1	All80567.1	YP_009342446.1	Virus	Polymyoviridae	Polymyovirus	45.482	99	760	95	757	2.66E-175	531	60.99
CcV1	All80567.1	QAU09249.1	Virus	Polymyoviridae	Polymyovirus	45.942	85	760	87	764	4.17E-175	531	61.59
CcV1	All80567.1	AYP71805.1	Virus	Polymyoviridae	Polymyovirus	43.071	30	759	30	760	1.09E-173	527	59.51
CcV1	All80567.1	YP_009551548.1	Virus	Polymyoviridae	Polymyovirus	39.481	30	759	36	760	5.09E-171	520	56.15
CcV1	All80567.1	ALZ41794.1	Virus	Polymyoviridae	Polymyovirus	45.331	99	759	95	757	8.95E-171	520	60.54
CcV1	All80567.1	QHG11074.1	Virus	Polymyoviridae	Polymyovirus	39.783	26	759	31	761	2.33E-168	513	56.43
CcV1	All80567.1	QDB74985.1	Virus	Polymyoviridae	Polymyovirus	44.524	74	759	81	764	6.05E-168	512	59.37
CcV1	All80567.1	CUS18599.1	Virus	Polymyoviridae	Polymyovirus	44.77	58	757	63	765	9.37E-166	507	59.27
CcV1	All80567.1	QHG11072.1	Virus	Polymyoviridae	Polymyovirus	39.788	16	759	19	763	1.76E-157	485	57.56
CcV1	All80567.1	QHG11067.1	Virus	Polymyoviridae	Polymyovirus	40.688	66	757	68	761	1.33E-146	457	56.73
CcV1	All80567.1	AWY10945.1	Virus	Polymyoviridae	Polymyovirus	40.808	70	757	95	798	1.02E-144	454	56.27
CcV1	All80567.1	YP_009352879.1	Virus	Polymyoviridae	Polymyovirus	38.71	35	758	40	775	1.32E-141	445	54.44
CcV1	All80567.1	QHG11070.1	Virus	Polymyoviridae	Polymyovirus	51.515	189	551	1	362	9.29E-113	356	68.6
CcV1	All80567.1	QHG11073.1	Virus	Polymyoviridae	Polymyovirus	38.782	452	759	1	307	5.55E-62	221	59.94
CcV1	All80567.1	CUS18606.1	Virus	Polymyoviridae	Polymyovirus	61.111	437	490	1	54	1.10E-11	71.2	72.22
MoPmV1	QAU09249.1	QAU09249.1	Virus	Polymyoviridae	Polymyovirus	100	1	766	1	766	0	1563	100
MoPmV1	QAU09249.1	CUS18599.1	Virus	Polymyoviridae	Polymyovirus	59.151	11	763	14	767	0	845	72.81
MoPmV1	QAU09249.1	QHG11067.1	Virus	Polymyoviridae	Polymyovirus	55.774	1	761	1	761	0	815	71.13
MoPmV1	QAU09249.1	QHG11072.1	Virus	Polymyoviridae	Polymyovirus	53.766	1	763	1	763	0	778	68.83
MoPmV1	QAU09249.1	QDB74985.1	Virus	Polymyoviridae	Polymyovirus	52.466	35	763	36	764	0	731	65.48
MoPmV1	QAU09249.1	YP_009551547.1	Virus	Polymyoviridae	Polymyovirus	52.843	44	763	44	763	0	719	66.99
MoPmV1	QAU09249.1	CDP74618.1	Virus	Polymyoviridae	Polymyovirus	51.857	11	763	11	763	0	719	65.12

MoPmV1	QAU09249.1	AYP71805.1	Virus	Polymycoviridae	Polymycovirus	54.506	79	763	76	760	0	688	68.31
MoPmV1	QAU09249.1	YP_009342446.1	Virus	Polymycoviridae	Polymycovirus	52.331	102	764	95	757	0	628	64.36
MoPmV1	QAU09249.1	ALZ41794.1	Virus	Polymycoviridae	Polymycovirus	51.796	102	764	95	758	0	611	63.77
MoPmV1	QAU09249.1	YP_009551548.1	Virus	Polymycoviridae	Polymycovirus	44.398	44	763	47	760	0	564	57.54
MoPmV1	QAU09249.1	YP_009052470.1	Virus	Polymycoviridae	Polymycovirus	45.942	87	764	85	760	0	558	61.59
MoPmV1	QAU09249.1	QHG11074.1	Virus	Polymycoviridae	Polymycovirus	43.415	75	763	78	761	5.44E-175	531	58.9
MoPmV1	QAU09249.1	QDH44656.1	Virus	Polymycoviridae	Polymycovirus	41.98	60	761	63	768	2.48E-168	514	57.18
MoPmV1	QAU09249.1	ASV63092.1	Virus	Polymycoviridae	Polymycovirus	43.832	87	761	88	768	5.69E-164	503	57.91
MoPmV1	QAU09249.1	AYP71801.1	Virus	Polymycoviridae	Polymycovirus	38.859	26	761	29	774	3.50E-162	498	54.11
MoPmV1	QAU09249.1	YP_009352879.1	Virus	Polymycoviridae	Polymycovirus	42.524	50	762	64	775	7.61E-157	484	54.6
MoPmV1	QAU09249.1	AWY10945.1	Virus	Polymycoviridae	Polymycovirus	43.394	80	761	95	798	2.10E-152	474	57.3
MoPmV1	QAU09249.1	QHG11070.1	Virus	Polymycoviridae	Polymycovirus	55.249	195	556	4	363	6.19E-119	372	69.06
MoPmV1	QAU09249.1	AJP08049.1	Virus	Polymycoviridae	Polymycovirus	44.862	74	578	35	536	1.45E-117	375	60.67
MoPmV1	QAU09249.1	QHG11073.1	Virus	Polymycoviridae	Polymycovirus	44.481	459	763	4	307	1.35E-68	238	60.06
MoPmV1	QAU09249.1	CUS18606.1	Virus	Polymycoviridae	Polymycovirus	66.667	441	494	1	54	3.44E-13	75.5	79.63
AspTmV1	AYP71801.1	AYP71801.1	Virus	Polymycoviridae	Polymycovirus	100	1	775	1	775	0	1606	100
AspTmV1	AYP71801.1	YP_009352879.1	Virus	Polymycoviridae	Polymycovirus	52.503	1	774	1	774	0	777	68.42
AspTmV1	AYP71801.1	YP_009551547.1	Virus	Polymycoviridae	Polymycovirus	42.453	36	774	33	761	0	546	57.14
AspTmV1	AYP71801.1	CDP74618.1	Virus	Polymycoviridae	Polymycovirus	42.318	36	774	33	761	9.11E-180	543	56.74
AspTmV1	AYP71801.1	YP_009052470.1	Virus	Polymycoviridae	Polymycovirus	42.838	34	774	29	757	1.04E-178	540	56.36
AspTmV1	AYP71801.1	QDH44656.1	Virus	Polymycoviridae	Polymycovirus	43.029	45	774	43	768	2.53E-172	525	56.3
AspTmV1	AYP71801.1	AYP71805.1	Virus	Polymycoviridae	Polymycovirus	42.261	36	774	30	758	3.56E-166	508	55.59
AspTmV1	AYP71801.1	AWY10945.1	Virus	Polymycoviridae	Polymycovirus	42.837	83	774	98	798	5.03E-165	506	57.3
AspTmV1	AYP71801.1	ASV63092.1	Virus	Polymycoviridae	Polymycovirus	42.51	46	774	44	768	1.84E-163	501	55.2
AspTmV1	AYP71801.1	QDB74985.1	Virus	Polymycoviridae	Polymycovirus	41.114	26	774	24	762	4.14E-163	500	54.77
AspTmV1	AYP71801.1	YP_009342446.1	Virus	Polymycoviridae	Polymycovirus	40.696	37	774	28	754	2.32E-157	485	55.42
AspTmV1	AYP71801.1	ALZ41794.1	Virus	Polymycoviridae	Polymycovirus	40.374	37	774	28	755	1.15E-155	481	54.68
AspTmV1	AYP71801.1	CUS18599.1	Virus	Polymycoviridae	Polymycovirus	39.318	30	774	30	765	4.31E-154	477	54.91
AspTmV1	AYP71801.1	QAU09249.1	Virus	Polymycoviridae	Polymycovirus	38.859	29	774	26	761	2.08E-151	470	54.11
AspTmV1	AYP71801.1	QHG11067.1	Virus	Polymycoviridae	Polymycovirus	38.43	41	774	38	761	2.07E-148	462	54.67
AspTmV1	AYP71801.1	QHG11072.1	Virus	Polymycoviridae	Polymycovirus	39.515	85	774	82	761	9.64E-142	445	55.06
AspTmV1	AYP71801.1	YP_009551548.1	Virus	Polymycoviridae	Polymycovirus	36.486	45	774	45	758	2.11E-135	429	51.62
AspTmV1	AYP71801.1	QHG11074.1	Virus	Polymycoviridae	Polymycovirus	36.608	45	774	45	759	7.15E-132	419	51.01
AspTmV1	AYP71801.1	AJP08049.1	Virus	Polymycoviridae	Polymycovirus	43.993	45	579	1	536	3.28E-117	374	57.49
AspTmV1	AYP71801.1	QHG11070.1	Virus	Polymycoviridae	Polymycovirus	49.171	198	556	3	362	3.20E-100	324	63.26
AspTmV1	AYP71801.1	QHG11073.1	Virus	Polymycoviridae	Polymycovirus	35.22	460	774	1	305	3.46E-47	180	53.14
AspTmV1	AYP71801.1	CUS18606.1	Virus	Polymycoviridae	Polymycovirus	53.704	445	498	1	54	2.16E-09	64.7	66.67

<sup>a</sup> RdRP of HadV1 and 10 polymycoviruses were subjected to Blastp search of the database "Non-redundant protein sequences (nr)". Search results with significant E value (lower than 0.001) were listed.

<sup>b</sup> Unclassified viruses included in Table 1 are described as family Polymycoviridae, genus Polymycovirus.