

Supplementary Tables

Table S1. List of sequences used for analysis and its NCBI accession numbers.

Journal number.	Year	Species	Country	Subtype	GenBank Acc. No.
NOR/060214	2013	<i>Oncorhynchus mykiss</i>	Norway	PRV-3	MG983780
DK/17-18918-1	2017	<i>Oncorhynchus mykiss</i>	Denmark	PRV-3	MG983785
DK/17-18918-6	2017	<i>Oncorhynchus mykiss</i>	Denmark	PRV-3	MG983786
DK/17-18918-13	2017	<i>Oncorhynchus mykiss</i>	Denmark	PRV-3	MG983782
G1491	2017	<i>Oncorhynchus mykiss</i>	Scotland	PRV-3	MG983781
773	2017	<i>Oncorhynchus mykiss</i>	Germany	PRV-3	MG983787
IT/17-211.3	2017	<i>Salmo trutta fario</i>	Italy	PRV-3	MG983783
IT/17-267	2017	<i>Salmo trutta fario</i>	Italy	PRV-3	MG983784
C10/P4.1	2014	<i>Oncorhynchus mykiss</i>	Chile	PRV-3	KX844951
C10/P1.2	2014	<i>Oncorhynchus mykiss</i>	Chile	PRV-3	KX844964
C10/P1.1	2014	<i>Oncorhynchus mykiss</i>	Chile	PRV-3	KX844965
C10/P4.2	2014	<i>Oncorhynchus mykiss</i>	Chile	PRV-3	KX844959
C10/P3.2	2014	<i>Oncorhynchus mykiss</i>	Chile	PRV-3	KX844960
C10/P3.1	2014	<i>Oncorhynchus mykiss</i>	Chile	PRV-3	KX844961
C10/P2.2	2014	<i>Oncorhynchus mykiss</i>	Chile	PRV-3	KX844962
VT12202013-CGA-2013-3	2013	<i>Oncorhynchus kisutch</i>	Chile	PRV-3	KU131595
VT12202013-CGA-2013-5	2013	<i>Oncorhynchus kisutch</i>	Chile	PRV-3	KU131596
BCJ31915_13	2013	<i>Salmo salar</i>	British Columbia	PRV-1	KT429746
050607	2007	<i>Salmo salar</i>	Norway	PRV-1	KR337479
2015-CGA-2015-A	2015	<i>Oncorhynchus kisutch</i>	Chile	PRV-1	KU131604
NOR2012-V3621	2012	<i>Salmo salar</i>	Norway	PRV-1	KY429949

PRV-2	2012	<i>Oncorhynchus kisutch</i>	Japan	PRV-2	LC145616
LMBRV	2015	<i>Micropterus salmoides</i>	USA	PRV	KU974955
	2008	<i>Gallus gallus</i>	Canada	ARV	EU707935
	2011	<i>Pteropus poliocephalus</i>	Australia	NBV	JF342673
T3D	2002	<i>Homo sapiens</i>	USA	MRV	HM159613
	2010	<i>Pteropus scapulatus</i>	Australia	BrOV	NC_014238
	1993	<i>Papio cynocephalus</i>	USA	BRV	NC_015878
2511	2015	<i>Eucampsipoda africana</i>	South Africa	MAHLV	NC_029912
	1979	<i>Notemigonus crysoleucas</i>	Canada	GSRV	AF403399
	2000	<i>Ctenopharyngodon idellus</i>	China	GCRV	AH009795
CH1197/96	2016	<i>Testudo graeca</i>	Switzerland	RRV	KT696549

Table S2. Number of reads targeting each PRV-3 segment from the Illumina HiSeq4000 run.

Segment	L1	L2	L3	M1	M2	M3	S1	S2	S3	S4
# of reads	24936	20588	21162	10256	10733	10461	4378	5961	5213	4034

Figure S1. The secondary structure prediction and structural comparison of the $\mu 1$ protein.

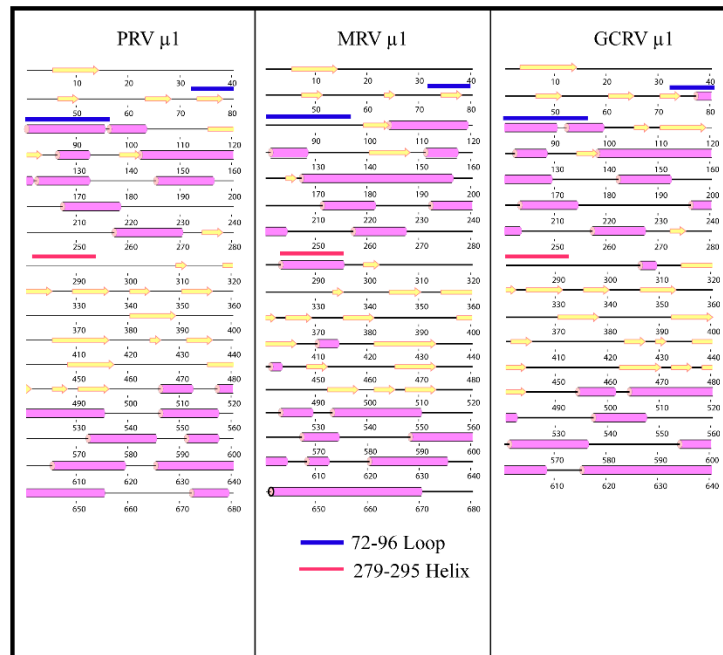


Figure S2. Phylogenetic trees constructed with genome segments of PRV-3.

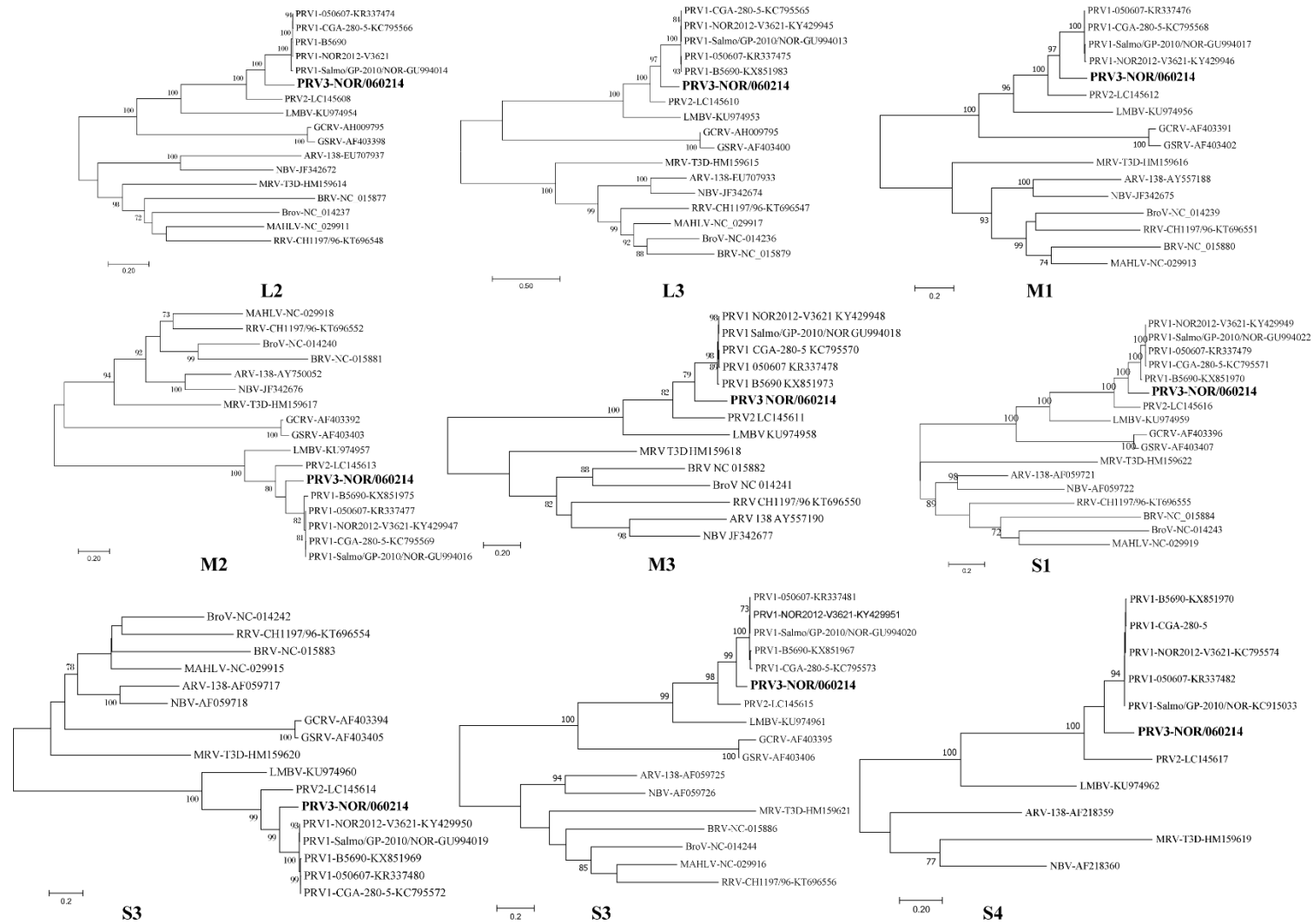


Table S3. Nucleotide and amino acid variation between the partial S1 (nt 876) sequences used in the phylogenetic analysis.

	LC 14 56 16 PR V- 2 Jap an	NO R/0 602 14 Nor wa y 201 3	KX 84 49 C1 DH_ 7470 0/P 4.1 Ch ile 20 14	D K/ 17- 18 91 8- 13 De n ma rk 20 17	G1 49 1 Sc otl an d 20 17	17- 192 66- 27 Ital y_ 201 7	17- 192 66- 35 Ital y_ 201 7	D K/ 17- 18 91 8-1 De n ma rk 20 17	D K/ 17- 18 91 8-6 De n ma rk 20 17	KX 844 964 C1 0/P 1.2 Chi le_ 201 4	KX 844 965 C1 0/P 1.1 Chi le_ 201 4	KU 131 595 VT 122 020 13 - CG A- 201 3-3 Chi le_ 201 013	KX 844 959 C1 0/P 4.2 Chi le_ 201 4	KU 131 596 VT 122 020 13 - CG A- 201 3-5 Chi le_ 201 013	KX 844 960 C1 0/P 3.2 Chi le_ 201 4	KX 844 961 C1 0/P 3.1 Chi le_ 201 4	KX 844 962 C1 0/P 2.2 Chi le_ 201 4	KT4 2974 6 BCJ 3191 5_13 Can ada_ 2013 ?	KR3 3747 9 0506 07 Nor way _200 7	KU 131 604 201 5- CG A- 201 5-A Chi le_ 201 5	KY4 2994 9 NO R20 12- V36 21 Nor way _201 2	
LC145616_Piscine orthoreovirus 2_ Japan		265	275	271	271	272	271	270	270	269	270	271	270	271	270	270	270	253	260	259	259	
NOR/060214 Norway 2013	94		40	37	37	38	36	35	35	37	37	36	38	37	36	36	35	166	178	176	177	
KX844951 C10/P4.1 Chile 2014	102	10		9	9	10	8	7	7	7	7	8	8	7	6	6	5	173	181	179	180	
DH_747072017_ Germany_2017	98	7	7		4	5	3	2	2	2	6	6	7	7	6	5	5	4	172	180	178	179
DK/17-18918-13 Denmark 2017	97	7	7	2		5	3	2	2	2	6	6	7	7	6	5	5	4	171	178	176	177
G1491_Scotland _2017	97	6	6	1	1		4	3	3	3	7	7	8	8	7	6	6	5	171	179	177	178

17-19266-27 Italy_2017	97	6	6	1	1	0		1	1	1	5	5	6	6	5	4	4	3	171	179	177	178
17-19266-35 Italy_2017	97	6	6	1	1	0	0		0	0	4	4	5	5	4	3	3	2	170	178	176	177
DK/17-18918-1 Denmark 2017	97	6	6	1	1	0	0	0		0	4	4	5	5	4	3	3	2	170	178	176	177
DK/17-18918-6 Denmark 2017	97	6	6	1	1	0	0	0	0		4	4	5	5	4	3	3	2	170	178	176	177
KX844964 C10/P1.2_Chile _2014	97	8	6	5	5	4	4	4	4	4		4	5	5	4	3	3	2	170	178	176	177
KX844965 C10/P1.1_Chile _2014	98	8	6	5	5	4	4	4	4	4	4		5	5	4	3	3	2	169	177	175	176
KU131595 VT12202013- CGA-2013- 3_Chile_2013	98	7	5	4	4	3	3	3	3	3	3	3		6	5	4	4	3	167	175	173	174
KX844959 C10/P4.2_Chile _2014	99	7	5	4	4	3	3	3	3	3	3	3	2		5	4	4	3	171	179	177	178
KU131596 VT12202013- CGA-2013- 5_Chile_2013	99	7	5	4	4	3	3	3	3	3	3	3	2	2		3	3	2	169	177	175	176
KX844960 C10/P3.2_Chile _2014	99	7	5	4	4	3	3	3	3	3	3	3	2	2	2		2	1	168	176	174	175
KX844961 C10/P3.1_Chile _2014	98	6	4	3	3	2	2	2	2	2	2	2	1	1	1	1		1	167	175	175	174
KX844962 C10/P2.2_Chile _2014	98	6	4	3	3	2	2	2	2	2	2	2	1	1	1	1	0		168	176	174	175

KT429746 BCJ31915_13_C anada_2013?	92	63	65	63	63	62	62	62	62	62	63	62	61	62	62	61	61	61		36	36	35
KR337479 050607_Norwa y_2007	97	64	68	66	66	65	65	65	65	65	66	65	64	65	65	64	64	64	13		2	1
KU131604 2015- CGA-2015- A_Chile_2015	96	63	67	65	65	64	64	64	64	64	65	64	63	64	64	63	63	63	12	1		1
KY429949 NOR2012- V3621_Norway _2012	96	63	67	65	65	64	64	64	64	64	65	64	63	64	64	63	63	63	12	1	0	

Values above the diagonal are nucleotide differences and values below represents amino acid differences.