

Supplementary Table S1. Primers and probes used for quantification of gene expression by TaqMan qRT-PCR.

Target gene	Primers and probes	Sequence (5'-3')
Carp IL-10	F285	TCCTTATGGCTGTCACGTCATG
	R357	CTGGACAGCTGTTGGCAGAA
	P308	ACGAGATCCTGCGCTTTTACTTGGACACC
KHV IL-10	F355	GATGTTTCATTGTGAGCACCTTTTT
	R421	CATGAACGAACTCGCCTCAA
	P380	ATGGCATCGCAAGCCACGGAC
KHV helicase	F312	ATCGCGAAGCCCAACCA
	F379	GACATCCAGGCCTGACACTTG
	F336	CCCTCTCTCCGCATGAGGTGCG
KHV DNAP	F381	CAACCTGCTCCGCAAAGAGT
	R517	CGAACCCGGGAGATCTGTAA
	P461	CCGAGTGCATCCTCAACAGGTTCTC
KHV ITP	F152	GCCCAACGGCATCTTTGT
	R224	AAAGTAACCACCGCCGATTG
	P176	CACGCCGACGGGTCCCGAG
KHV MCP	F3024	GGGACTGGGTCTCGAGTACGT
	R3100	CCGACTTGTGGTCTGAAGGA
	P3055	CAGTCCAAGCCCCGCTACAGCATG
18S rRNA [#]	18S rRNA F	CGGCTACCACATCCAAGGAA
	18S rRNA R	GCTGGAATTACCGCGGCT
	18S rRNA P	TGCTGGCACCCAGACTTGCCCTC

[#]The primers and probe for the 18S rRNA gene were designed by Applied Biosystems.

Supplementary Table S2. Genbank accession numbers of IL-10 sequences used for phylogenetic analysis.

Common name	Species	Genbank accession number
Fish		
silver carp	<i>Hypophthalmichthys molitrix</i>	DQ058295
grass carp	<i>Ctenopharyngodon idella</i>	HQ388294
goldfish	<i>Carassius auratus</i>	HQ259106
common carp	<i>Cyprinus carpio</i>	AB110780
rohu	<i>Labeo rohita</i>	HM245962
zebrafish	<i>Danio rerio</i>	BC163038
rainbow trout (IL-10a)	<i>Oncorhynchus mykiss</i>	NP001245099
(IL-10b)		NP001246350
Atlantic cod	<i>Gadus morhua</i>	EU004087
European sea bass	<i>Dicentrarchus labrax</i>	AM268529
spotted green pufferfish	<i>Tetraodon nigroviridis</i>	AJ544915
tiger pufferfish	<i>Takifugu rubripes</i>	AJ539537
European eel	<i>Anguilla anguilla</i>	JN182215
Mammals		
mouse	<i>Mus musculus</i>	NM010548
rat	<i>Rattus norvegicus</i>	NM012854
dog	<i>Canis lupus familiaris</i>	NM001003077
cat	<i>Felis catus</i>	NM001009209
sheep	<i>Ovis aries</i>	NM001009327
cattle	<i>Bos taurus</i>	NM174088
rabbit	<i>Oryctolagus cuniculus</i>	NM001082045
horse	<i>Equus caballus</i>	NM001082490
rhesus monkey	<i>Macaca mulatta</i>	NM001044727
chimpanzee	<i>Pan troglodytes</i>	NM001135620
human	<i>Homo sapiens</i>	NM000572
Amphibians		
frog	<i>Xenopus silurana tropicalis</i>	NM001171929
Birds		
chicken	<i>Gallus gallus</i>	NM001004414
zebra finch	<i>Taeniopygia guttata</i>	XM002194605
Viruses		
koi herpesvirus	<i>Cyprinid herpesvirus 3</i>	HM467225
eel herpesvirus	<i>Anguillid herpesvirus 1</i>	NC013668
malignant catarrhal fever virus	<i>Alcelaphine herpesvirus 1</i>	AAX58047
equine herpesvirus 2	<i>Equid herpesvirus 2</i>	NP420666
Epstein-Barr virus	<i>Human herpesvirus 4</i>	ABB89220
baboon lymphocryptovirus	<i>Papiine herpesvirus 1</i>	AAF23949
rhesus lymphocryptovirus	<i>Macacine herpesvirus 4</i>	AAK95412
human cytomegalovirus	<i>Human herpesvirus 5</i>	AAR31540
baboon cytomegalovirus	<i>Papiine herpesvirus 3</i>	AF202535
rhesus cytomegalovirus	<i>Macacine herpesvirus 3</i>	AAF200740
vervet cytomegalovirus	<i>Cercopethicine herpesvirus 5</i>	AEV80641
Orf virus	<i>Orf virus</i>	AAO91818
goatpox virus	<i>Goatpox virus</i>	NC004003
lumpy skin disease virus	<i>Lumpy skin disease virus</i>	AAN02729
sheeppox virus	<i>Sheeppox virus</i>	NC004002