

Appendix

Table S1 Primer sequences in this study.

Gene name	Primer name	Primer sequence (5'-3')	Amplicon size (nt)
ORF25	A036F	TCGAGGATCCGCCACCATGGGGTTCCAACGGTGTCTG	1818
	A036R	TCGAGAATTCTCAAGCGTAATCTGGAACATCGTATGGGTAAGA GGGCAACTTCACGTAC	
CCL35.2	A037F	TCGAGGATCCGCCACCATGTCTGCTTCTCGCTTCGTC	324
	A037R	TCGAGAATTCTTAAGCGTAATCTGGAACATCGTATGGGTACAA GGTCCCTTGGCTTCCG	
IL-1 β	A052F	ACTGGAGATGTCTTCGCATCC	119
	A052R	GCAGCGCATCTTCACAAATCT	
IL-2	A053F	GACCACAAAGGTAGACCCATCC	212
	A053R	GAGGTTTGTGCGGAATGGAC	
IFN- γ 2	A054F	GACTGCGCAACACATGATGG	112
	A054R	CTCGTCGATGCTCTTGTTCCA	
Viperin	A055F	AAGTCATAGGTCGAGGTCAGGG	207
	A055R	CGTTTTCACCTTCAATTAGCAGA	
IgM	A056F	GTCAATCTTCGGCTTGTCTCA	179
	A056R	GGGTATAATCTCCATCGGGTC	
TK	A057F	ACAGCGGAGCAAAATACCCA	236
	A057R	TTTGTTGGCGACGGGGATAA	
	A040F*	ATGGCTTTTCTGGAGTTGGT	324
A040R*	GCACCCACGATAACATACTT		
β -actin	A058F	ACCCCATGAGCACGGTATT	235
	A058R	CGACCAGAAGCGTACAGAGA	

* The primers were used in virus detection in serum-incubation-infection experiments.

Table S2 Statistical results of histological lesions in gill, spleen and trunk kidney of gibel carp on day 7 post CyHV-2 infection.

-, none; +, mild; ++, moderate; +++, severe. n = 3.

Lesion	Gill		Spleen		Trunk kidney	
	SEC	SBLC	Vacuolization	Karyorrhexis	Hypertrophied nuclei	Vacuolization
Control	-	-	-	-	-	-
CCL35.2/ORF25	-	+	+	-	+	-
ORF25	-	+	+	+	+	+
CCL35.2/Vaccine	-	++	++	+	-	+
Vaccine	+	++	++	++	++	+++
CCL35.2	+++	+++	++	++	+++	+++
pcDNA3.1-neo	+++	+++	++	+++	+++	+++
PBS	+++	+++	+++	+++	+++	+++

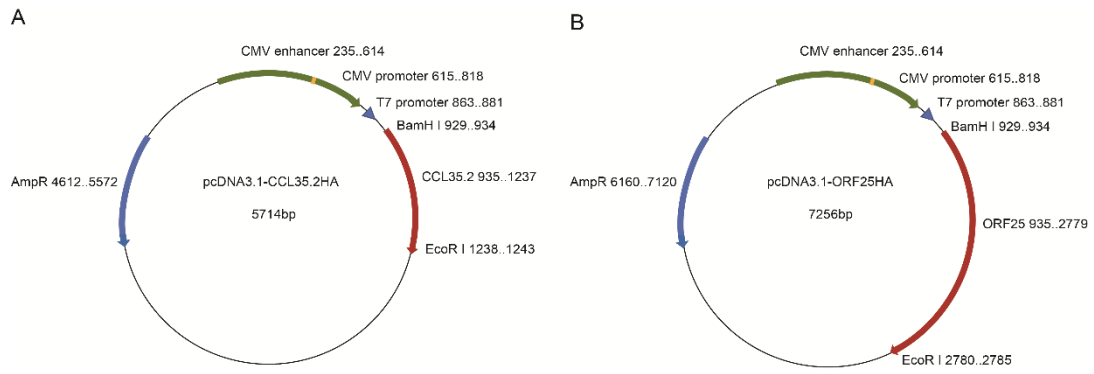


Figure S1 The plasmid maps of pcDNA3.1-CCL35.2HA and pcDNA3.1-ORF25HA. BamH I with kozak sequence (GCCACC) and EcoR I restriction digestion sites were added to the forward and reverse primers respectively.