

Table S2. Comparison of 6 ranavirus in *Siniperca chuatsi* and *Micropterus salmoides*

Virus name	Nucleotide size (bp)	Identity% ^a	CG%	Location	host
SCRaV	99405	100	52.09	China Hubei	Mandarin fish (<i>Siniperca chuatsi</i>)
MSRaV	99171	99.92	52.09	China Hubei	Largemouth bass (<i>Micropterus salmoides</i>)
LMBV-A	99827	98.7	51.93	America Pennsylvania	Largemouth bass (<i>Micropterus salmoides</i>)
LMBV-P	99290	98.68	51.9	America Pennsylvania	Largemouth bass (<i>Micropterus salmoides</i>)
LMBV-G	99315	99.82	52.09	China Guangdong	Largemouth bass (<i>Micropterus salmoides</i>)
MFRV	97946	99.88	52.11	China Jiangsu	Mandarin fish (<i>Siniperca chuatsi</i>)

^a. The value of identities was product by BLASTN each compared to SCRaV.