

Supplementary material**Table S1.** Ranavirus isolates with published whole genome sequences that were used for estimating Mao and Meng amplicon phylogenies. Full isolate name, abbreviated names or acronyms used, GenBank accession numbers are included.

Name	Abbreviation	NCBI Genbank accession	Citation
Short-finned eel ranavirus	SERV	KX353311	Subramaniam et al. (2016)
European sheatfish virus	ESV	JQ724856	Mavian et al. (2012b)
Epizootic haematopoietic necrosis virus	EHNV	FJ433873	Jancovich et al. (2010)
Ambystoma tigrinum virus	ATV	AY150217	Jancovich et al. (2003)
Ranavirus maximus isolate SMA15001	Rmaximus	KX574343	Ariel et al. (2016)
Testudo hermanni ranavirus isolate CH8/96	THRv	KP266741	Stöhr et al. (2015)
Andrias davidianus ranavirus isolate 1201	ADRV1201	KC865735	Chen et al. (2013)
Andrias davidianus ranavirus isolate 2010SX	ADRV2010	KF033124	Jiang et al. (2011)
Chinese giant salamander iridovirus isolate CGSIV-HN1104	CGSIV	KF512820	Li et al. (2014)
Common midwife toad ranavirus isolate Mesotriton alpestris/2008/E	CMTV	JQ231222	Mavian et al. (2012a)
Common midwife toad ranavirus isolate Pelophylax kl. Esculentus/2013/NL	CMTV_NL	KP056312	van Beurden et al. (2014)
Pike perch iridovirus isolate SLU14001	PPIV	KX574341	Holopainen et al. (2016)
Tiger frog virus	TFV	AF389451	He et al. (2002)
Tortoise ranavirus isolate 1 (882/96)	ToRV1	KP266743	Stöhr et al. (2015)
Soft-shelled turtle iridovirus	STIV	EU627010	Huang et al. (2009)
Rana grylio iridovirus	RGV	JQ654586	Lei et al. (2012)
Frog virus 3 isolate SSME	SSME	KJ175144	Morrison et al. (2014)
Frog virus 3	FV3	AY548484	Tan et al. (2004)
German gecko ranavirus isolate 2000/99	GGRV	KP266742	Stöhr et al. (2015)
Bohle iridovirus isolate BIV-ME 93/35	BIV	KX185156	Hick et al. (2016)

Table S2. Costa Rican amphibian and reptile species and sample numbers used for comparing assay performance.

Species	Total
<i>Ctenosaura similis</i>	1
<i>Craugastor ranoides</i>	1
<i>Dendropsophus ebraccatus</i>	3
<i>Dendropsophus phlebodes</i>	8
<i>Duelmanohyla rufiocularis</i>	4
<i>Elaphe triaspis</i>	1
<i>Hypopachus variolosus</i>	8
<i>Incilius luetkenii</i>	27
<i>Leptodactylus fragilis</i>	3
<i>Leptodactylus poecilochilus</i>	2
<i>Lithobates forreri</i>	4
<i>Lithobates taylori</i>	1
<i>Lithobates warszewitschii</i>	4
<i>Rhinella marina</i>	10
<i>Rhinophrynus dorsalis</i>	1
<i>Sachatamia albomaculata</i>	1
<i>Tlacohyla loquax</i>	1
Total	80

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