

**S4 Table. Re-isolation of SDDV from pooled sera of experimentally infected fish (4<sup>th</sup> Koch's postulate)**

Serum	Serum dilution	
	1:100	1:1000
	Time until full CPE on SK21 cells (days)	
<b>Intraperitoneal (IP)</b> day 7 post infection	<b>3*</b>	<b>3</b>
<b>IP</b> day 10 post infection	<b>3</b>	<b>3</b>
<b>Intramuscular (IM)</b> day 7 post infection	<b>3</b>	<b>3</b>
<b>IM</b> day 10 post infection	<b>3</b>	<b>3</b>
<b>IP + IM</b> day 7 post infection	<b>3</b>	<b>3</b>
<b>IP + IM</b> day 10 post infection	<b>3</b>	<b>3</b>
<b>IP (1:10)</b> day 7 post infection	<b>3</b>	<b>3</b>
<b>IP (1:10)</b> day 10 post infection	<b>3</b>	<b>10</b>
<b>Non-infected</b> control day 7 post mock infection**	no CPE	no CPE
<b>Non-infected</b> control day 10 post mock infection	no CPE	no CPE
SDDV control virus	<b>3</b>	<b>3</b>
SDDV control virus	<b>3</b>	<b>3</b>

\* Presence of SDDV in all CPE positive cultures was confirmed by PCR and sequencing.

\*\* Harvests of the cell passages of non-infected control sera pools were inoculated on fresh SK21 cells at 1:100 and 1:1000 dilutions for a second passage. Also in the second passage no CPE was observed.