

**Table S1. Plasmids**

<b>Name</b>	<b>Key features/sequence</b>	<b>Source; Addgene#</b>
pIA1362	T7 promoter–His <sub>8</sub> -GB1-TEV-nsp7	[25]; 166860
pIA1363	T7 promoter–His <sub>8</sub> -GB1-TEV-nsp8	[25]; 166861
pIA1414	T7 promoter–His <sub>10</sub> -SUMO-nsp9	[23]; 172402
pIA1400	T7 promoter–His <sub>10</sub> -SUMO-nsp12	[23]; 172519
pIA1401	T7 promoter–His <sub>10</sub> -SUMO-nsp12[S709R]	This work
pIA1402	T7 promoter–His <sub>10</sub> -SUMO-nsp12[Y129A]	[25]; 172403
pIA1403	T7 promoter–His <sub>10</sub> -SUMO-nsp12[Y32A]	This work
pIA1407	T7 promoter–His <sub>10</sub> -SUMO-nsp12[T141F]	This work
pIA1411	T7 promoter–His <sub>10</sub> -SUMO-nsp12[N138W]	This work
pIA1417	T7 promoter–His <sub>10</sub> -SUMO-nsp12[N781Y]	This work