

**Table S2 IC<sub>50</sub> and IC<sub>90</sub> titer of each immunization group**

Different immunization groups	IC <sub>50</sub> titer	IC <sub>90</sub> titer
<b>PBS</b>	< 20	< 20
<b>RBD</b>	<b>947</b>	<b>133</b>
<b>RBD + Alum</b>	<b>2587</b>	<b>282</b>
<b>RBD + poly I:C-PLL</b>	<b>21217</b>	<b>5457</b>
<b>RBD + Group II</b>	<b>13308</b>	<b>1128</b>
<b>RBD + Group III-DSPC</b>	<b>6211</b>	<b>1115</b>
<b>RBD + Group III-DOPE</b>	<b>18641</b>	<b>4925</b>
<b>RBD + Group IV-DSPC</b>	<b>79728</b>	<b>11423</b>
<b>RBD + Group IV-DOPE</b>	<b>117490</b>	<b>24012</b>

PBS: phosphate buffer saline; RBD: receptor-binding domain; poly I:C : polyriboinosinic acid-polyribocytidyllic acid; PLL: poly-lysine; DSPC: 1,2-distearoyl-sn-glycero-3-phosphocholine; DOPE: 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine.