



Table S1. Protection from blood stage parasitemia.

Construct	Immunization Intervals in Weeks	IV Challenge dose (days after Last Immunization)	Protected ⁺ /Challenged	Average BS Pre-Patency in Days after IV Challenge for <u>Infected Mice</u>
EXP1_PFN	0, 3, 6, 9	250 (63)	6/8	d. 6 (for two mice)
EXP1_PFN + IL-33	0, 3, 6, 9	250 (63)	7/7	-
EXP2 + ICP	0, 3, 6, 9	250 (63)	5/7	d. 5.5 (for two mice)
EXP2 + ICP + IL-33	0, 3, 6, 9	250 (63)	8/8	-
TMP21 + UIS3	0, 3, 6, 9	250 (63)	7/8	d. 6 (for one mouse)
TMP21 + UIS3 + IL-33	0, 3, 6, 9	250 (63)	8/8	-
all	0, 3, 6, 9	250 (63)	6/7	d. 6 (for one mouse)
all + IL-33	0, 3, 6, 9	250 (63)	7/7	-
pVax	0, 3, 6, 9	250 (63)	0/5	d. 4 (for all mice)
IL-33	0, 3, 6, 9	250 (63)	0/5	d. 4 (for all mice)

+ Protection is defined as the complete absence of any BS parasites on daily blood smears for at least 10 days post challenge.