

Supplement Materials for manuscript "A strategy to elicit M2e-specific antibodies using a recombinant H7N9 live attenuated influenza vaccine expressing multiple M2e tandem repeats"

Gating Strategy of degranulated NK-cells

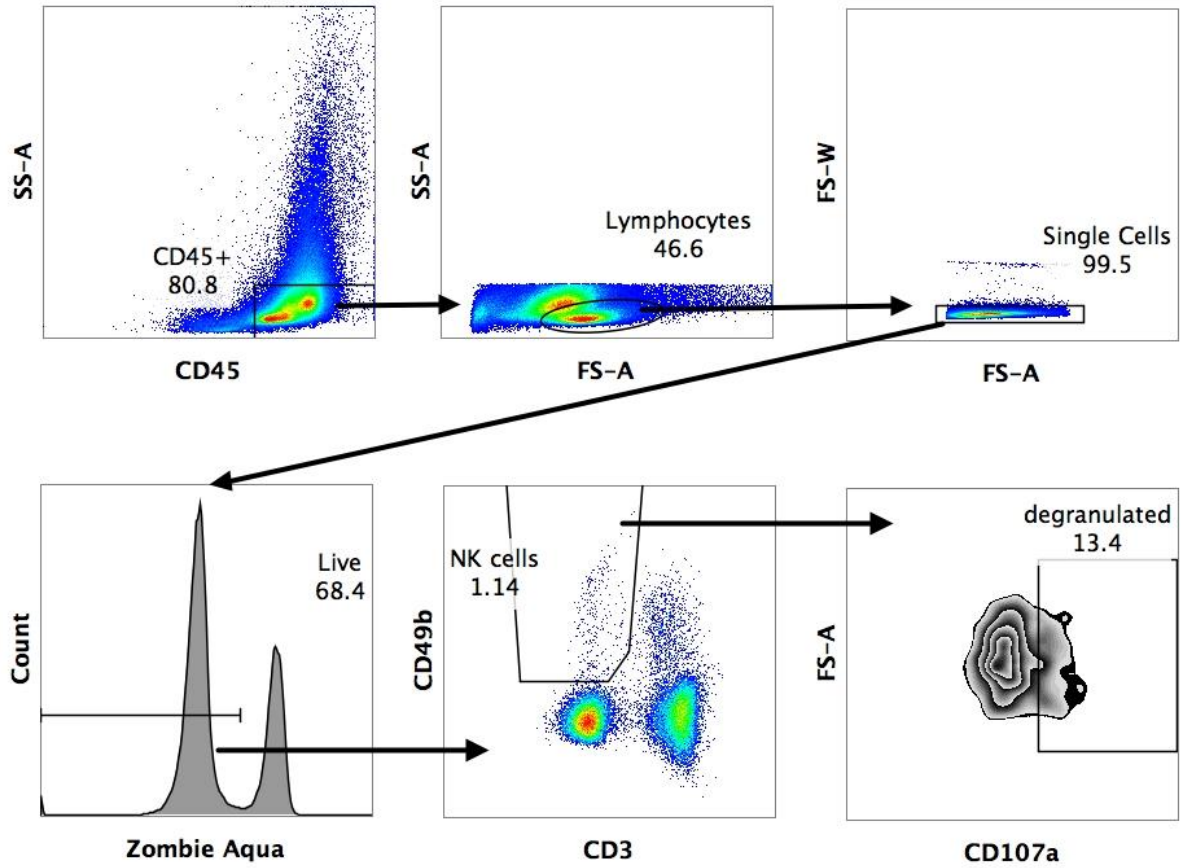


Figure S1. Gating strategy for NK cell degranulation assay.

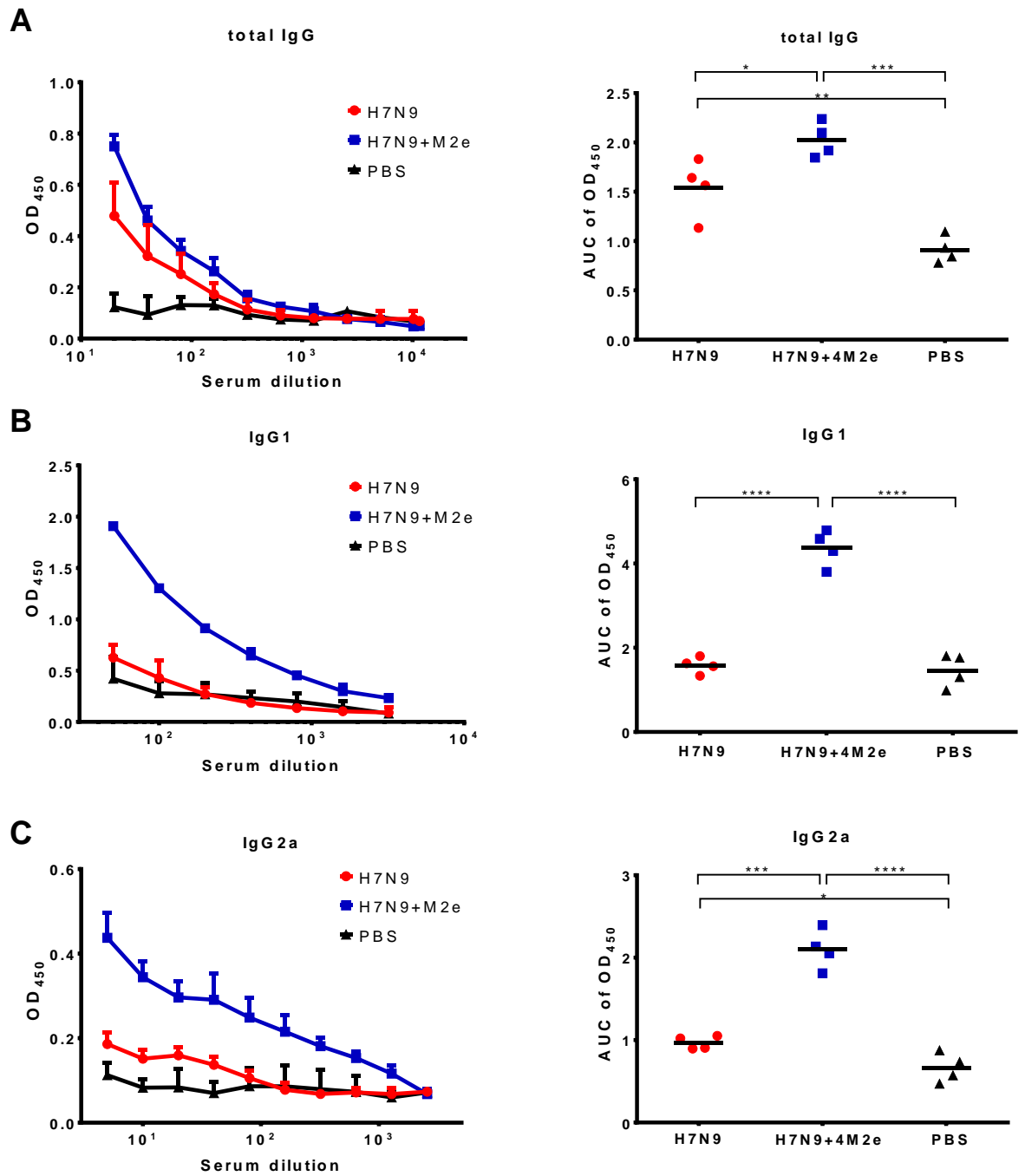


Figure S2. Serum IgG (A), IgG1 (B) and IgG2a (C) antibody responses in BALB/c mice immunized with H7N9+4M2e and H7N9 LAIVs six days after challenge with A/South Africa/3626/2013 (H1N1pdm09). Left panel shows the mean+SD of OD₄₅₀ values; right panel shows the area under the OD₄₅₀ curve (AUC) values for individual animal. The AUC data were analyzed with one-way ANOVA followed by a Tukey's multiple comparison test (* - $p < 0.05$; ** - $p < 0.01$; *** - $p < 0.001$; **** - $p < 0.0001$).

Table S1. Sequences of M2e-epitopes of influenza A viruses used in this study.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
human	M	S	L	L	T	E	V	E	T	P	I	R	N	E	W	G	S	R	S	N	D	S	S	D
avian	M	S	L	L	T	E	V	E	T	P	T	R	S	E	W	G	S	R	S	S	D	S	S	D
swine	M	S	L	L	T	E	V	E	T	P	T	R	N	E	W	E	S	R	S	S	D	S	S	D
H3N2	M	S	L	L	T	E	V	E	T	P	I	R	N	E	W	G	C	R	C	N	D	S	S	D
H9N2	M	S	L	L	T	E	V	E	T	L	T	R	N	G	W	E	C	K	C	S	D	S	S	D
PR8	M	S	L	L	T	E	V	E	T	P	I	R	N	E	W	G	C	R	C	N	G	S	S	D
H1N1 SA	M	S	L	L	T	E	V	E	T	P	T	R	S	E	W	E	C	R	C	S	G	S	S	D