

Table S5. Individual ferret haemagglutination inhibition (HI), microneutralization (MN) and ELISA (E) antibody titers* among animals sacrificed at day 63 (Ch+14) with percent weight loss at Ch+5, Vaccinated Group

Ferret ID:	51 [% wt loss = 10.6]			54 [% wt loss = 7.3]			56 [% wt loss = 9.8]			57 [% wt loss = 5.4]			59 [% wt loss = 7.9]			61 [% wt loss = 8.3]			62 [% wt loss = 4.6]			65 [% wt loss = 9.8]			68 [% wt loss = 6.5]			70 [% wt loss = 2.4]			72 [% wt loss = 10.5]			85 [% wt loss = 12.1]			
	HI	MN	E	HI	MN	E	HI	MN	E	HI	MN	E	HI	MN	E	HI	MN	E	HI	MN	E	HI	MN	E	HI	MN	E	HI	MN	E	HI	MN	E				
Pre-Shipment																																					
sH1N1	5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		
H3N2	5	NA	1.5	5	NA	1.1	5	NA	1.2	5	NA	1.0	5	NA	1.2	5	NA	1.1	5	NA	1.1	5	NA	1.0	5	NA	1.1	5	NA	1.1	5	NA	1.1	5	NA	1.1	
Influenza B	5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		
A(H1N1)pdm09	5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		5	NA		
Day 0																																					
sH1N1	10	5		5	5		5	5		5	5		5	5		5	5		10	NA		5	5		10	5		5	5		5	5		5	5		
H3N2	5	5	1.3	5	5	1.0	5	5	1.0	5	5	1.0	5	5	1.1	5	5	1.0	5	5	NA	5	5	1.0	5	5	1.0	5	5	1.0	5	5	1.1	5	5	1.0	
Influenza B	5	5		5	5		5	5		5	5		5	5		5	5		5	NA		5	5		5	5		5	5		5	5		5	5		
A(H1N1)pdm09	5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		
Day 28																																					
sH1N1	7	5		5	5		5	5		5	5		10	10		10	5		40	80		7	10		5	5		5	5		5	5		5	5		
H3N2	5	5		5	5		5	5		5	5		5	5		5	5		80	80		10	7		5	7		5	5		5	5		5	5		
Influenza B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A(H1N1)pdm09	5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		
Day 49/Ch0																																					
sH1N1	10	14		5	5		28	80		10	28		10	14		5	5		80	226		10	10		5	5		5	5		NA	5		NA	NA		
H3N2	10	7	0.9	5	5	0.3	20	7	0.4	10	5	0.5	5	10	0.2	5	5	0.9	160	453	0.4	10	20	0.4	5	14	1.0	5	5	0.69	NA	5	NA	NA	NA	NA	
Influenza B	5	5		5	5		5	10		5	5		5	5		5	10		5	160		5	5		5	5		5	5		NA	NA		NA	NA		
A(H1N1)pdm09	5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		5	5		NA	NA		NA	NA		
Day 63/Ch+14																																					
sH1N1	10	20		NA	NA		20	80		5	14		7	14		5	5		80	160		10	20		5	5		NA	5		10	7		5	5		
H3N2	20	40	0.5	NA	NA	0.4	10	20	0.1	5	7	0.2	5	7	0.1	5	5	0.2	5	226	0.1	10	14	0.1	5	5	0.1	NA	5	NA	10	20	0.2	5	14	0.2	
Influenza B	NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		
A(H1N1)pdm09	2560	7241		NA	NA		2560	7240		2560	7240		2560	7240		2560	7240		1280	3620		2560	7240		5120	5120		NA	20480		1280	1280		1810	1280		

% wt loss = percentage weight loss from baseline at Ch+5 (the study day with the greatest between-group difference in % weight loss); Ch=challenge; NA=Not available

sH1N1= seasonal H1N1=A/Brisbane/59/2007(H1N1)-like

sH3N2= seasonal H3N2=A/Brisbane/10/2007(H3N2)-like

Influenza B=B/Florida/4/2006(like)-like

A(H1N1)pdm09=A/California/7/2009-like

Titerls <10 assigned a value of 5.

ELISA values <0.60 considered positive; values ≥ 0.60 negative

*Geometric mean titer of duplicate HI and MN values displayed