

Supplemental Table 1. Characteristics of the participating subjects					
	H7N3 pLAIV		H7N7 pLAIV		Naïve
	Priming	H7N7 pIV	Priming	H7N7 pIV	H7N7 pIV
	N=20	N=5	N=24	N=14	N=20
Mean Age (SD)	27.1 (8.0)	32.8 (10.9)	32.4 (9.1)	33.9 (8.1)	34.4 (9.5)
Females (%)	9 (45)	1 (20)	11 (46)	8 (57)	9 (45)
Males (%)	11 (55)	4 (80)	13 (54)	6 (43)	11 (55)
Hispanic (%)	2 (10)	2 (40)	1 (4)	1 (7)	0 (0)
Asian (%)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Native American (%)	0 (0)	0 (0)	1 (4)	1 (7)	0 (0)
Black (%)	5 (25)	1 (20)	7 (29)	3 (21)	1 (5)
Caucasian (%)	12 (60)	2 (40)	14 (58)	8 (57)	17 (85)
Hawaiian/Pacific Islander (%)	0(0)	0(0)	1 (4)	1 (7)	0 (0)
Mixed (%)	3 (15)	2 (40)	1 (4)	1 (7)	2 (10)

Supplemental table 2A. Reactogenicity events following pLAIV

			No. (%) of subjects with the following reactogenicity events								
pLAIV	Dose	N	Body Ache	Chills	Cough	Earache	Head-ache	Nose-bleed	Runny nose	Sore throat	Nasal congestion
H7N3	Dose 1	20	1 (5)	0 (0)	1 (5)	3 (15)	7 (35)	0 (0)	2 (10)	5 (25)	7 (35)
H7N7	Dose 1	24	7 (44)	1 (6)	6 (38)	2 (13)	9 (56)	1 (6)	2 (13)	8 (50)	10 (63)
	Dose 2	22	1 (5)	1 (5)	0 (0)	0 (0)	12 (55)	0 (0)	1 (5)	2 (9)	1 (5)

Supplemental Table 2B. Reactogenicity events following H7N7 pIIV

		Symptoms							
Priming pLAIV	N	Body Ache (%)	Fatigue (%)	Fever (%)	Headache (%)	Nausea (%)	Tenderness (%)	Erythema (%)	Swelling (%)
H7N7	14	3 (21)	3 (21)	2 (14)	3 (21)	1 (7)	4 (13)	1 (7)	1 (7)
H7N3	5	1 (20)	1 (20)	1 (20)	1 (20)	1 (20)	0 (0)	0 (0)	0 (0)
None	20	1 (5)	3 (15)	1(5)	4 (20)	3 (15)	8 (40)	4 (20)	2 (10)
Total	28	2(10)	4 (18)	2 (10)	6 (21)	4 (18)	9 (28)	5 (13)	3 (8)