

Table S4: NA inhibition titers

		Assay date: 5/28/2014				Assay date: 6/5/2014				Assay date: 6/26/2014			
		202	207	2014-180-1	2014-048-1	202	207	2013-180-1	2014-048-1	202	207	2013-180-1	2014-048-1
		antiCA	antiBR	antiBO	antiNH	antiCA	antiBR	antiBO	antiNH	antiCA	antiBR	antiBO	antiNH
	CA/09	6400	400	1600	100	6400	800	1600	100	6400	800	1600	200
	BR/11	3200	800	1600	200	3200	1600	1600	200	3200	1600	1600	400
6C	CR/13									3200	3200	3200	400
6B	BO/13					6400	6400	51200	25600	6400	6400	51200	25600
6B	NH/13					6400	6400	51200	25600	6400	6400	51200	25600

		Assay date: 2/14/2014				Assay date: 2/25/2014				Assay date: 3/20/2014								
		202	207	202	207	2014-001	2012787347	2013-180-1	2014-048-1	202	207	2014-001	2012787347	12/16/13	2014-060-1	2013-180-1	2014-197	2014-048-1
		antiCA	antiBR	antiCA	antiBR	antiBA	antiWA	antiBO	antiNH	antiCA	antiBR	antiBA	antiWA	antiMS	antiPA	antiBO	antiHK	antiNH
	CA/09	6400	1600	6400	1600	400	800	1600	100	6400	1600	400	800	3200	1600	1600	400	100
	BR/11	3200	3200	3200	3200	1600	3200	1600	200	3200	3200	1600	3200	3200	3200	1600	1600	200
6	BA/12	12800	25600	12800	25600	6400	12800	6400	1600	12800	25600	6400	12800	25600	25600	6400	6400	1600
7	WA/12	6400	6400	6400	6400	6400	12800	12800	1600	6400	6400	6400	12800	12800	12800	12800	6400	1600
6C	CR/13									3200	3200	3200	6400	6400	6400	3200	1600	400
6C	MS/13									3200	3200	3200	3200	3200	3200	1600	400	200
6C	PA/13	12800	25600	12800	25600	6400	12800	12800	1600	12800	25600	6400	12800	25600	25600	12800	6400	1600
6B	BO/13	6400	6400	6400	6400	1600	3200	25600	12800	6400	6400	1600	3200	12800	6400	51200	12800	12800
6B	HK/13	12800	25600	12800	25600	6400	6400	12800	3200	12800	25600	6400	6400	12800	12800	12800	25600	3200
6B	NH/13	25600	25600	25600	25600	6400	6400	25600	25600	25600	25600	6400	6400	12800	6400	102400	12800	25600

		Assay date: 6/5/2014			
		202	207	2013-180-1	2014-048-1
		antiCA	antiBR	antiBO	antiNH
	CA/09	6400	800	1600	100
	BR/11	3200	1600	1600	200
6B	BO/13	6400	6400	51200	25600
6B	NH/13	6400	6400	51200	25600

		Assay date: 9/16/2016							
		5173	2013-180-2	2014-059	2014-048-2	2016-052	2016-069	2015-031	
		antiCA	antiBO	antiHK	antiNH	antiMI	antiIN	antiIA/14	
	CA/09	1280	640	320	160	160	80	320	
6B	BO/13	1280	5120	5120	2560	640	1280	2560	
6B	HK/13	640	640	2560	320	1280	1280	2560	
6B	NH/13	640	2560	1280	1280	320	320	640	
6B.1	MI/15	640	640	5120	640	2560	2560	2560	
6B.2	IA/14	1280	1280	5120	640	1280	2560	5120	

		Assay date: 2/16/2017				Assay date: 3/13/2017			
		5172	F1	2016-097	F11	5172	F1	2016-097	F11
		antiCA	antiMI	antiIA/15	antiIN	antiCA	antiMI	antiIA/15	antiIN
Genetic group	Reference antigens					Reference antigens			
	CA/09	1280	320	640	640	CA/09	1280	320	640
6B.1	MI/15	320	5120	5120	5120	MI/15	320	5120	5120
						MI/15 (repeat)	640	10240	5120
6B.2	IA/15	320	5120	5120	5120	IA/15	320	5120	5120
6B.2	IN/16	320	5120	5120	10240	IN/16	320	5120	10240
	Test antigens					Test antigens			
6B.1	DE/16	1280	5120	5120	10240	DE/16	1280	5120	10240
6B.1	KA/16	not tested				KA/16	640	10240	5120
6B.1	LS/16	320	5120	5120	10240	LS/16	320	5120	5120
6B.1	MT/16	320	5120	5120	5120	MT/16	320	5120	5120
6B.1	NH/16	320	5120	5120	20480	NH/16	320	5120	20480
6B.1	NV/16	320	5120	5120	5120	NV/16	320	5120	2560
6B.1	WI/16	320	5120	2560	5120	WI/16	320	5120	2560
6B.1	OK/16	320	5120	2560	10240	OK/16	320	5120	2560
6B.1	SA/16	320	5120	2560	20480	SA/16	320	5120	2560

Table S4 continued

Assay date: 7/11/2017

		5173	F03	2014-001	2012-184	2014-060-2	2013-180-2	2014-048-2	2014-059	2015-031	F1	2016-097	F11
Genetic group	NA source	CA/09	BR/11	BA/12	WA/12	PA/13	BO/13	NH/13	HK/13	IA/14	MI/15	IA/15	IN/16
	CA/7/09	1280	2560	640	1280	2560	640	160	640	640	320	320	160
	Brisbane/70/11	1280	5120	1280	2560	2560	1280	320	1280	640	640	320	640
6	Bangladesh/2021/12	1280	5120	2560	2560	2560	1280	320	1280	1280	1280	640	640
6	Washington/24/12	1280	2560	1280	2560	2560	1280	320	1280	640	1280	320	640
6C	Costa Rica/5802/13	1280	2560	1280	2560	2560	1280	320	1280	640	640	320	320
6C	Pennsylvania/07/13	1280	5120	1280	2560	5120	2560	640	2560	1280	1280	640	1280
6B	Bolivia/599/13	2560	5120	1280	2560	2560	10240	2560	5120	1280	1280	640	1280
6B	New Hampshire/04/13	1280	5120	1280	2560	2560	5120	5120	5120	2560	2560	640	1280
6B	Hong Kong/5008/13	2560	5120	1280	2560	2560	1280	640	10240	5120	5120	2560	2560
6B.1	Iowa/19/14	1280	2560	1280	2560	2560	1280	640	5120	5120	2560	1280	1280
6B.1	Michigan/45/15	1280	5120	1280	1280	1280	2560	1280	10240	5120	10240	2560	5120
6B.2	Iowa/53/2015	640	2560	1280	640	1280	1280	640	5120	5120	5120	5120	5120
6B.2	Indiana/21/16	640	2560	1280	640	1280	1280	640	5120	5120	5120	2560	5120