

Supplemental Digital Content 1: Distribution of serotypes, sequence types (ST) and clonal complexes (CC) found in the three samples

CC were defined as a cluster of clone that shared six alleles with STs present within our dataset. International CC were determined using a comparative eBURST analysis using the entire online MLST.

Serotype	Number of isolates			ST	CC	International CC	Number of isolates		
	2006	2008	2013				2006	2008	2013
PCV7 types									
4	3	3	0	205		CC205	3	3	0
6B	67	31	0	138	CC138	CC156	18	1	0
				2547	CC138	CC156	1 [□]	1	0
				176	CC469	CC156	35	16	0
				469	CC469	CC156	1	8	0
				2720		CC156	4 [□]	0	0
				146		CC156	3	0	0
				2556		CC156	2 [□]	0	0
				639		CC156	1	0	0
				2779		CC2779	0	5	0
				490	CC490	CC66	2	0	0
9V	25	0	0	162 [¥]	CC162	CC156	25	0	0
14	18	1	0	124	CC2551	CC156	6	1	0
				2551	CC2551	CC156	1 [□]	0	0
18C	18	6	3	9		CC15	11	0	0
				113	ST110	CC113	5	5	0
				110	ST110	CC113	4	1	0
				2559	ST110	CC113	1 [□]	0	0
				1970		CC113	0	0	1
				496		CC496	8	0	1
19F	57	43	22 [#]	9417			0	0	1 [□]
				179	CC177	CC193	9	4	10
				177 [¥]	CC177	CC193	11	22	7
				51	CC177	CC193	0	0	2
				77	CC177	CC193	0	0	1
				391	CC177	CC193	3	1	0
				2550	CC177	CC193	1 [□]	0	0
				2620	CC177	CC193	1 [□]	0	0
				2731	CC177	CC193	1 [□]	0	0
				423	CC423	CC15	0	2	0
				3016	CC423	CC15	0	2	0
				43		CC15	1	0	0
				236		CC320	4	0	1
				320		CC320	0	2	0
				462			3	4	0
				1173			3	3	0
				476		CC476	0	2	0
				4057		CC4057**	0	1 [□]	0
				2581		CC1718	8 [□]	0	0
				2621			6 [□]	0	0
				2631		CC1523	2 [□]	0	0
				420		CC420	1	0	0
				425		CC395	1	0	0
				654		CC251	1	0	0
				2439		CC2439	1	0	0
23F	52	32	0	440	CC392	CC156	9	18	0
				338		CC156	2	0	0
				33	CC439	CC439	0	1	0
				1011	CC439	CC439	5	0	0
				36		CC439	31	12	0

				2558			2 [□]	1	0
				242		CC242	2	0	0
				2624		CC342	1 [□]	0	0
PCV13-7									
1	8	8	0	306		CC306	8	8	0
3	24	26	15	180	CC180	CC180	21	24	15
				4054	CC180	CC180	0	1 [□]	0
				2630	CC180	CC180	2 [□]	0	0
				1877	CC1877**	CC193	1	0	0
				1377		CC378	0	1	0
6A	40	22	3	1141	CC490	CC66	0	0	2
				2221	CC490	CC66	5	4	0
				490	CC490	CC66	8	1	0
				681	CC490	CC66	2	1	0
				138	CC138	CC156	0	1	0
				460	CC460	CC460	5	13	0
				65	CC460	CC460	1	0	0
				2579	CC460	CC460	1 [□]	0	0
				176	CC469	CC469	0	1	0
				2728	CC816*	CC460	5 [□]	0	0
				2068	CC816*	CC460	1	0	0
				6771		CC7585	0	0	1
				1978		CC396	9	1	0
				2557		CC1439	1 [□]	0	0
				2622		CC2660	1 [□]	0	0
				2623		CC2623**	1 [□]	0	0
7F	6	10	5	191	CC191**	CC191	6	1	3
				3795	CC191**	CC191	0	9 [□]	0
				8519	CC405**	CC218	0	0	2
19A	11	9	17	199 [¥]	CC199	CC199	7	7	15
				645	CC199	CC199	2	0	0
				667	CC199	CC199	0	2	0
				2220	CC199	CC199	0	0	1
				2548		CC1232	1 [□]	0	0
				2632			1 [□]	0	0
				3017			0	0	1
Non-PCV13									
6C	16	27	31	1714	CC1692**	CC395	11	14	13
				1692	CC1692**	CC395	0	9	9
				1379	CC1379	CC1379	3	2	3
				9581	CC1379	CC1379	0	0	1 [□]
				2629	CC1379	CC1379	1 [□]	0	0
				473	CC473**	CC473	0	1	1
				4310		CC315	0	0	2
				639		CC156	0	1	1
				9571		CC9571**	0	0	1 [□]
				1390		CC1390	1	0	0
8	2	5	1	53	CC53	CC62	1	4	1
				3778	CC53	CC62	0	1	0
				2582	CC53	CC62	1 [□]	0	0
9N	0	8	12	405	CC405**	CC218	0	6	12
				66		CC66	0	2	0
10A	4	12	9	816	CC816*	CC460	0	0	6
				2068	CC816*	CC460	1	2	1
				97	CC460	CC460	2	1	2
				1551	CC460	CC460	1	8	0
				4113		CC4113	0	1 [□]	0
10B	1	0	0	2553	CC473**	CC473	1 [□]	0	0
11A	25	21	33	62 [¥]	CC62	CC62	20	19	30
				408	CC62	CC62	0	0	1

				1510	CC62	CC62	0	0	1
				3094	CC62	CC62	1	0	0
				2649	CC62	CC62	1 [□]	0	0
				2958	CC439	CC439	0	0	1
				2549		CC1012	3 [□]	2	0
15A	0	2	6	410	CC193**	CC193	0	0	1
				63		CC63	0	1	3
				991		CC5902	0	0	2
				73		CC66	0	1	0
15B/C	57	79	82	1262	CC1262	CC1262	13	35	56
				9585	CC1262	CC1262	0	0	5 [□]
				8711	CC1262	CC1262	0	0	2
				162 [¥]	CC162**	CC156	0	0	1
				199 [¥]	CC199	CC199	41	33	13
				3062	CC199	CC199	0	0	2
				2154	CC199	CC199	0	0	1
				9654	CC199	CC199	0	0	1 [□]
				200	CC199	CC199	0	7	0
				4056	CC199	CC199	0	2 [□]	0
				3976	CC199	CC199	0	1	0
				2344	CC199	CC199	1	0	0
				2729	CC199	CC199	1 [□]	0	0
				3557	CC3557**	CC346	0	0	1
				275	CC3557**	CC346	0	1	0
				2577	CC1054	CC344	1 [□]	0	0
16F	4	18	7	30	CC30	CC30	4	9	6
				9416	CC30	CC30	0	0	1 [□]
				414	CC30	CC30	0	1	0
				3273	CC30	CC30	0	2	0
				3796	CC30	CC30	0	6 [□]	0
17F	0	2	5	392	CC392	CC156	0	1	3
				9584	CC392	CC156	0	0	2 [□]
				4112			0	1 [□]	0
18A	1	0	0	1232		CC1232	1	0	0
20	0	1	0	235		CC235	0	1	0
21	12	22	55	1877	CC1877**	CC193	10	17	31
				9413	CC1877**	CC193	0	0	1 [□]
				193	CC193**	CC193	1	3	6
				4055		CC193	0	2 [□]	0
				9582	CC162**	CC156	0	0	1 [□]
				180	CC180	CC180	1	0	0
				432		CC432	0	0	15
				9414			0	0	1 [□]
22F	3	11	35	433	CC433*	CC433	3	8	34
				4110	CC433*	CC433	0	2 [□]	0
				819	CC433*	CC433	0	1	0
				698		CC698	0	0	1
23A	13	11	48	42	CC439	CC439	3	2	11
				9578	CC439	CC439	0	0	10 [□]
				438	CC439	CC439	0	0	8
				1609	CC439	CC439	0	0	7
				9577	CC439	CC439	0	0	3 [□]
				2974	CC439	CC439	0	0	1
				439	CC439	CC439	5	9	0
				62 [¥]	CC62	CC62	0	0	1
				2560			5 [□]	0	7
23B	0	0	50	439	CC439	CC439	0	0	22
				945	CC439	CC439	0	0	2
				9579	CC439	CC439	0	0	1 [□]
				9652	CC439	CC439	0	0	1 [□]

				1448		CC439	0	0	10
				1349	CC1349	CC156	0	0	2
				7121	CC1349	CC156	0	0	9
				2372	CC1349	CC156	0	0	3
24F	2	23	19	162 [¥]	CC162**	CC156	0	0	17
				177 [¥]	CC177	CC193	0	0	2
				72		CC72	2	23	0
31	2	3	13	1766	CC1766**	CC1766	0	1	7
				9655	CC1766**	CC1766	0	0	5 [□]
				444		CC1766	1	1	0
				162 [¥]	CC162**	CC156	0	0	1
				1601		CC568	1	1	0
33A	0	1	0	4115			0	1 [□]	0
33F	8	18	4	100		CC100	5	11	3
				9583		CC717	0	0	1 [□]
				673		CC1012	3	4	0
				4115			0	3 [□]	0
34	6	1	2	547		CC1439	0	0	1
				4158			0	0	1
				3922			0	1 [□]	0
				1046		CC1046**	6	0	0
35B	9	29	17	198	CC198**	CC198	4	5	9
				3003	CC198**	CC198	0	0	3
				452	CC452	CC452	4	23	1
				9580	CC452	CC452	0	0	1 [□]
				4114	CC452	CC452	0	1 [□]	0
				2628	CC452	CC452	1 [□]	0	0
				558		CC558	0	0	3
35F	7	38	54	446	CC446	CC460	7	27	19
				1635	CC446	CC460	0	9	32
				9415	CC446	CC460	0	0	2 [□]
				9653	CC446	CC460	0	0	1 [□]
				4111	CC446	CC460	0	1 [□]	0
				4058	CC393**	CC393	0	1 [□]	0
37	4	1	3	447		CC447	4	1	3
38	9	12	19	393	CC393**	CC393	9	11	19
				4058		CC393	0	1 [□]	0
NT	24	26	13	1054	CC1054	CC344	7	21	2
				449	CC1054	CC344	1	2	5
				9586	CC1054	CC344	0	0	1 [□]
				3108	CC1054	CC344	1 [□]	0	0
				124	CC2551**	CC156	0	1	0
				550	CC423	CC15	1	0	0
				344		CC344	0	0	3
				448		CC448	2	2	2
				941		CC941	12	0	0

One isolate was not available for MLST

□ indicates that it was a novel STs at the time of sampling

¥ indicates that the ST expressed multiple serotypes

* specifies that there were multiple candidates to be the founder; ** indicates that no founder was assigned (only 2 isolates in the CC)