

**S2 File. Analysis of the similarity among tested pneumococcal isolates and PMEN strains (highlighted) made by eBURSTv3 software.**

eBURST Report - Thu Oct 15 16:56:52 CEST 2015

No. isolates = 168 | No. STs = 118 | No. re-samplings for bootstrapping = 1000

No. loci per isolate = 7 | No. identical loci for group def = 6 | No. groups = 18

Group 1: No. Isolates = 9 | No. STs = 6 | Predicted Founder = 423

ST	FREQ	SLV	DLV	TLV	SAT	Average		ST Bootstrap	
						Distance		Group	Subgrp
423		4	3	2	0	0	1.4	49%	21%
15		1	3	2	0	0	1.4	50%	19%
1815		1	1	3	1	0	2.0	0%	0%
721		1	1	3	1	0	2.0	0%	0%
9251		1	1	2	2	0	2.2	0%	0%
<b>9</b>		1	1	2	2	0	2.2	0%	0%

Group 2: No. Isolates = 6 | No. STs = 4 | Predicted Founder = 87

ST	FREQ	SLV	DLV	TLV	SAT	Average		ST Bootstrap	
						Distance		Group	Subgrp
<b>87</b>		3	3	0	0	0	1.0	74%	15%
10327		1	1	2	0	0	1.66	0%	0%
9253		1	1	2	0	0	1.66	0%	0%
9268		1	1	2	0	0	1.66	0%	0%

Group 3: No. Isolates = 7 | No. STs = 4 | Predicted Founder = 156

ST	FREQ	SLV	DLV	TLV	SAT	Average		ST Bootstrap	
						Distance		Group	Subgrp
<b>156</b>		3	2	1	0	0	1.33	26%	0%
3811		2	2	1	0	0	1.33	29%	0%
9258		1	1	2	0	0	1.66	0%	0%
9269		1	1	2	0	0	1.66	0%	0%

Group 4: No. Isolates = 4 | No. STs = 4 | Predicted Founder = 439

ST	FREQ	SLV	DLV	TLV	SAT	Average		ST Bootstrap	
						Distance		Group	Subgrp
439		1	3	0	0	0	1.0	61%	14%
42		1	2	1	0	0	1.33	4%	0%
9264		1	2	1	0	0	1.33	9%	0%
<b>37</b>		1	1	2	0	0	1.66	0%	0%

Group 5: No. Isolates = 3 | No. STs = 3 | Predicted Founder = Multiple Candidates

ST	FREQ	SLV	DLV	TLV	SAT	Average		ST Bootstrap	
						Distance		Group	Subgrp
9259		1	2	0	0	0	1.0	7%	0%
9272		1	2	0	0	0	1.0	10%	0%
433		1	2	0	0	0	1.0	15%	0%

Group 6: No. Isolates = 6 | No. STs = 3 | Predicted Founder = 180

Average ST Bootstrap

ST	FREQ	SLV	DLV	TLV	SAT	Distance	Group	Subgrp
180		4	2	0	0	0	1.0	32% 0%
9254		1	1	1	0	0	1.5	0% 0%
3794		1	1	1	0	0	1.5	0% 0%

Group 7: No. Isolates = 3 | No. STs = 3 | Predicted Founder = 8991

ST	FREQ	SLV	DLV	TLV	SAT	Average Distance	ST Bootstrap Group	Subgrp
8991		1	2	0	0	0	1.0	31% 0%
9273		1	1	1	0	0	1.5	0% 0%
9270		1	1	1	0	0	1.5	0% 0%

Group 8: No. Isolates = 10 | No. STs = 3 | Predicted Founder = 81

ST	FREQ	SLV	DLV	TLV	SAT	Average Distance	ST Bootstrap Group	Subgrp
81		8	2	0	0	0	1.0	32% 0%
2033		1	1	1	0	0	1.5	0% 0%
932		1	1	1	0	0	1.5	0% 0%

Group 9: No. Isolates = 3 | No. STs = 3 | Predicted Founder = Multiple Candidates

ST	FREQ	SLV	DLV	TLV	SAT	Average Distance	ST Bootstrap Group	Subgrp
4576		1	2	0	0	0	1.0	7% 0%
143		1	2	0	0	0	1.0	8% 0%
10336		1	2	0	0	0	1.0	17% 0%

Group 10: No. Isolates = 3 | No. STs = 3 | Predicted Founder = 446

ST	FREQ	SLV	DLV	TLV	SAT	Average Distance	ST Bootstrap Group	Subgrp
446		1	2	0	0	0	1.0	31% 0%
9271		1	1	1	0	0	1.5	0% 0%
4052		1	1	1	0	0	1.5	0% 0%

Group 11: No. Isolates = 8 | No. STs = 2 | Predicted Founder = None

ST	FREQ	SLV	DLV	TLV	SAT	Distance	
320		7	1	0	0	0	1.0
2477		1	1	0	0	0	1.0

Group 12: No. Isolates = 11 | No. STs = 2 | Predicted Founder = None

ST	FREQ	SLV	DLV	TLV	SAT	Distance	
135		10	1	0	0	0	1.0
9255		1	1	0	0	0	1.0

Group 13: No. Isolates = 3 | No. STs = 2 | Predicted Founder = None

ST	FREQ	SLV	DLV	TLV	SAT	Distance	
2049		2	1	0	0	0	1.0
505		1	1	0	0	0	1.0

Group 14: No. Isolates = 3 | No. STs = 2 | Predicted Founder = None

ST	FREQ	SLV	DLV	TLV	SAT	Distance
124		2	1	0	0	0 1.0
10335		1	1	0	0	0 1.0

Group 15: No. Isolates = 3 | No. STs = 2 | Predicted Founder = None

ST	FREQ	SLV	DLV	TLV	SAT	Distance
319		2	1	0	0	0 1.0
230		1	1	0	0	0 1.0

Group 16: No. Isolates = 5 | No. STs = 2 | Predicted Founder = None

ST	FREQ	SLV	DLV	TLV	SAT	Distance
410		4	1	0	0	0 1.0
193		1	1	0	0	0 1.0

Group 17: No. Isolates = 4 | No. STs = 2 | Predicted Founder = None

ST	FREQ	SLV	DLV	TLV	SAT	Distance
62		3	1	0	0	0 1.0
4478		1	1	0	0	0 1.0

Group 18: No. Isolates = 3 | No. STs = 2 | Predicted Founder = None

ST	FREQ	SLV	DLV	TLV	SAT	Distance
393		2	1	0	0	0 1.0
10331		1	1	0	0	0 1.0

Singletons: size 66

10329  
9257  
384  
9256  
289  
10321  
9252  
615  
185  
53  
315  
10318  
377  
218  
10316  
376  
217  
10315  
273  
113  
177

270  
176  
175  
173  
3684  
41  
306  
304  
205  
268  
102  
36  
1377  
2315  
90  
257  
1014  
4668  
448  
20  
344  
242  
18  
75  
72  
338  
496  
10339  
10338  
236  
9267  
9266  
9265  
9263  
10330  
9262  
9261  
1545  
9260  
199  
67  
191  
63  
1994  
327