

Table S3. Serotypes, CCs and STs detected PreVac (2009-2011) and PostVac-I (2012-2014) in LRT samples. Arranged according to the most prevalent serotype, CC and ST detected PreVac.

LRT samples PreVac (2009-2011)			LRT samples PostVac-I (2012-2014)		
Serotype (n)	CC (n)	ST (n: PMEN ^a)	Serotype (n)	CC (n)	ST (n: PMEN)
19F (54)	236/271/320 (49) 395 (3) 199 (1) 177 (1)	3014 (24: DLV ^b Taiwan ^{19F} -14), 271 (8: DLV Taiwan ^{19F} -14) 9165 (7: DLV Taiwan ^{19F} -14), 1968 (6: DLV Taiwan ^{19F} -14) 10369 (2: DLV Taiwan ^{19F} -14), 10376 (1), 13101 (1) 425 (3) 199 (1: Netherlands ^{15B} -37) 179 (1: SLV ^e Portugal ^{19F} -21)	19F (31)	236/271/320 ^c (29) 15 (1) 156/162 (1)	3014 ^d (12: DLV Taiwan ^{19F} -14), 9165 (8: DLV Taiwan ^{19F} -14) 271 (3: SLV Taiwan ^{19F} -14), 1968 (3: DLV Taiwan ^{19F} -14) 9458 (1: DLV Taiwan ^{19F} -14) 9828 (1), 10390 (1: DLV Taiwan ^{19F} -14) 3016 (1) 162 (1: SLV Spain ^{9V} -3)
23F (12)	439 (8) 392 (2), 199 (1) 361 (1)	311 (6: DLV Tennessee ^{23F} -4), 10348 (1: DLV Tennessee ^{23F} -4), 10347 (1) 440 (2), 199 (1: Netherlands ^{15B} -37) 277 (1)	23F (7)	439 (4) 392 (3)	311 (3: DLV Tennessee ^{23F} -4) 42 (1: DLV Tennessee ^{23F} -4) 440 (3)
6A (12)	490 (6), 460 (2) 15 (2), 395 (2)	2221 (6), 460 (2) 3981 (2), 395 (2: SLV Portugal ^{6A} -41)	6A (6)	490 (3), 15 (1), 460 (1) 9789 (1)	2221 (3), 3981 (1), 460 (1) 2756 (1)
3 (10)	180 (8) 260 (1), 378 (1)	180 (6: Netherlands ³ -31), 13100 (1: SLV Netherlands ³ -31) 505 (1: DLV Netherlands ³ -31), 13100 (1) 260 (1), 1377 (1)	3 (13)	180 (13)	180 (13: Netherlands ³ -31)
6B (10)	138/176 (5) 90 (4), 146 (1)	176 (3: DLV Poland ^{23F} -16), 138 (2) 90 (4: Spain ^{6B} -2), 146 (1)	6B (11)	138/176 (6) 90 (4), 171 (1)	38 (3), 176 (3: DLV Poland ^{23F} -16) 90 (4: Spain ^{6B} -2), 1639 (1)
22F (8)	433 (8)	433 (8)	22F (3)	433 ^f (2), 1294/4522 (1)	433 ^f (2), 1294 (1)
11A (6)	62 (6)	62 (6: DLV Netherlands ⁸ -33)	11A (5)	62 (5)	62 (4: DLV Netherlands ⁸ -33), 13130 (1)
19A (6)	199 (5) 3017 (1)	199 (3: Netherlands ^{15B} -37), 667 (1: SLV Netherlands ^{15B} -37) 10360 (1: DLV Netherlands ^{15B} -37) 3017 (1)	19A (4)	3017 (2) 199 (1) Sing ^g 1801 (1)	3017 (2) 199 (1: Netherlands ^{15B} -37) 1801 (1)
14 (4)	124 (3) 15 (1)	124 (2: Netherlands ¹⁴ -35), 1975 (1: SLV Netherlands ¹⁴ -35) 9 (1: England ¹⁴ -9)	14 (3)	124 (3)	124 (3: Netherlands ¹⁴ -35)
35B (5)	1816 (4), 452 (1)	1967 (3), 10361 (1), 452 (1)	35B (2)	198 (1), 1816 (1)	4346 (1), 10361 (1)
9V (4)	156/162 (4)	156 (2: Spain ^{9V} -3), 162 (1: SLV Spain ^{9V} -3), 1269 (1: DLV Spain ^{9V} -3)	9V (2)	156/162 (2)	162 (2: SLV Spain ^{9V} -3)
15B/C (4)	199 (2), 1262 (2)	199 (2: Netherlands ^{15B} -37), 1262 (2)	15B/C (6)	1262 (5), 199 (1)	1262 (5), 199 (1: Netherlands ^{15B} -37)
23B (3)	439 (3)	439 (3: SLV Tennessee ^{23F} -4)	23B (3)	439 (2), 338 (1)	439 (2: SLV Tennessee ^{23F} -4), 1349 (1: DLV Colombia ^{23F} -26)
23A (3)	439 (3)	436 (2: DLV Tennessee ^{23F} -4), 42 (1: DLV Tennessee ^{23F} -4)	23A (1)	439 (1)	42 (1: DLV Tennessee ^{23F} -4)
16F (3)	30 (3)	30 (2), 2042 (1)	16F (1)	30 (1)	30 (1)
33F (2)	100 (2)	100 (2)	33F (2)	100 (2)	100 (2)
9A (2)	156/162 (2)	156 (1: Spain ^{9V} -3), 1269 (1: DLV Spain ^{9V} -3)	9A (1)	156/162 (1)	156 (1: Spain ^{9V} -3)
8 (1)	62 (1)	53 (1: Netherlands ⁸ -33)	8 (0)		
21 (1)	193 (1)	1877 (1: DLV Greece ²¹ -30)	21 (2)	193 (2)	1877 (2: DLV Greece ²¹ -30)
31 (1)	113 (1)	1766 (1)	31 (0)		
34 (1)	4878 (1)	10357 (1)	34 (0)		
18B (1)	113 (1)	110 (1: SLV Netherlands ^{18C} -36)	18B (0)		
18C (1)	113 (1)	116 (1: SLV Netherlands ^{18C} -36)	18C (0)		
35F (1)	460 (1)	1635 (1)	35F (4)	460 (4)	1635 (4)
6C (1)	315 (1)	386 (1: DLV Poland ^{6B} -20)	6C (1)	315 (1)	386 (1: DLV Poland ^{6B} -20)

15A (0)			15A (3)	193 (2), 3058 (1)	410 (2: SLV Greece ²¹ -30), 4965 (1)
9N (0)			9N (2)	66 (2)	66 (1: SLV Tennessee ¹⁴ -18), 10344 (1: DLV Tennessee ¹⁴ -18)
7F (0)			7F (1)	191 (1)	191 (1: Netherlands ^{7F} -39)
NESp ^h (1)	448 (1)	448 (1: USA ^{NT} -43)	NESp (4)	344 (3) 448 (1)	344 (2: Norway ^{NT} -42), 10371 (1:SLV Norway ^{NT} -42) 448 (1: USA ^{NT} -43)

^aPMEN: Pneumococcal molecular epidemiology network clone. ^bDLV: Double locus variant. ^cP-value=0.001, ^dP-value=0.030, ^eSLV: Single locus variant. ^fP-value=0.040. ^gSing: Singleton.

^hNESp: Non-encapsulated *S. pneumoniae*.