

**Title: Pneumococcal Meningitis in Adults in 2014–2018 after Introduction of Pediatric 13-valent Pneumococcal Conjugate Vaccine in Japan**

Authors:

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Supplementary Table 1. Distribution of *pbp1bA641C* mutation in isolates from meningitis and nonmeningitis cases in adults by serotype.

Serotypes	No. of strains with mutation	Meningitis		Nonmeningitis	
		Mutation (+)	Mutation (-)	Mutation (+)	Mutation (-)
23A	97	36	0	60	1
6C	74	6	3	22	43
6A	24	1	2	7	14
16F	11	0	1	4	6
23B	10	3	0	1	6
23F	19	0	1	3	15
6B	38	1	3	1	33
3	186	0	18	2	166
14	23	0	0	1	22
15B	26	0	4	1	21
NT	4	1	0	0	3
In total	150	48	32	102	330

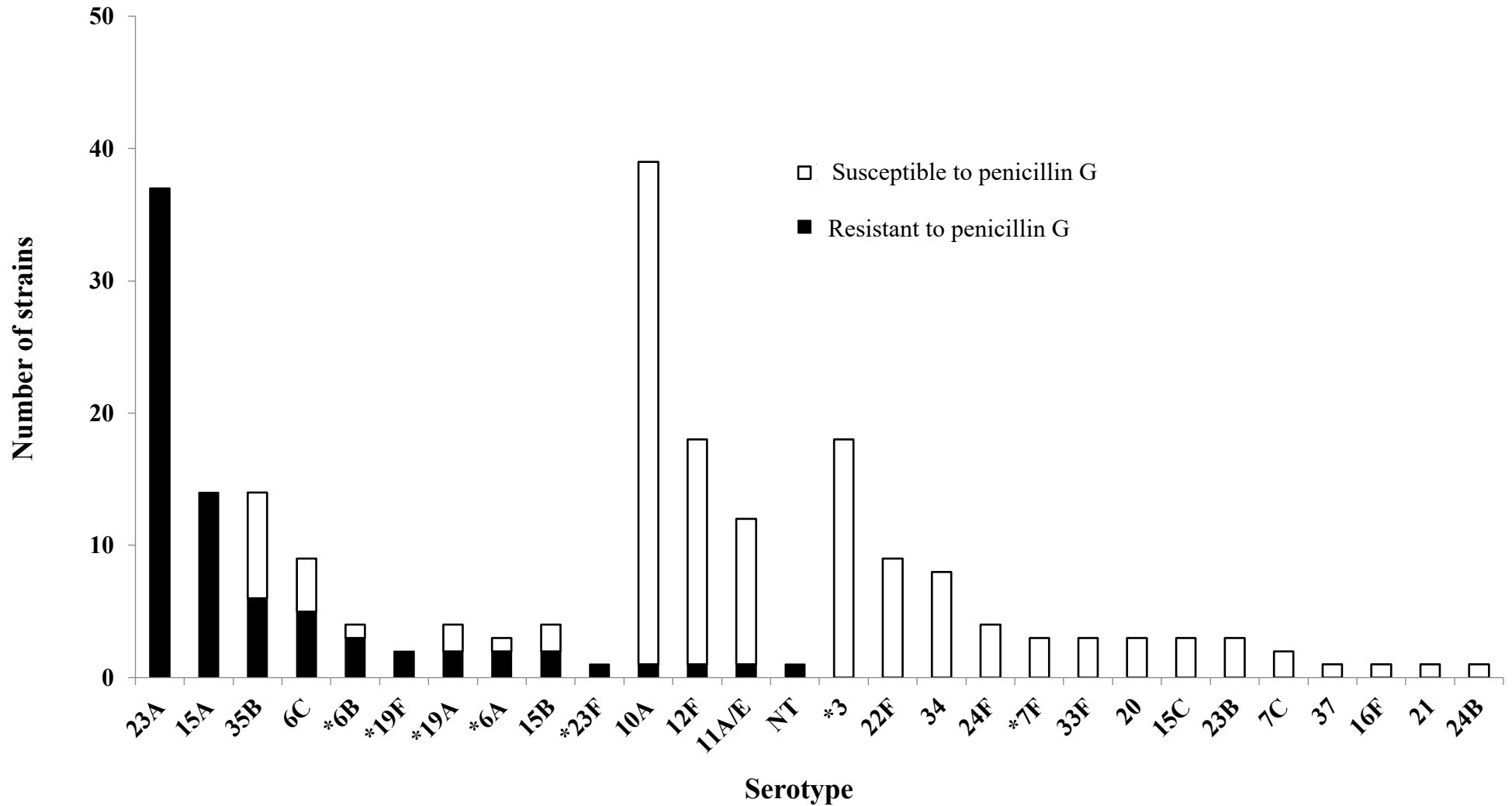
NT: nontypeable.

Supplementary Table 2. Relationship between *pbp1bA641C* mutation and susceptibility of penicillin G in isolates from meningitis and nonmeningitis cases in adults.

Susceptibility (Breakpoint)	With <i>pbp1bA641C</i> mutation		Without <i>pbp1bA641C</i> mutation		<i>p</i> value
Meningitis isolates (n=222)	No.	%	No.	%	
MIC for PCG $\leq$ 0.06	5	10.4	139	79.9	<0.001
MIC for PCG $\geq$ 0.12	43	89.6	35	20.1	
Nonmeningitis isolates (n=1254)	No.	%	No.	%	
MIC for PCG $\leq$ 2	101	99.0	1,139	98.9	0.683
MIC for PCG $\geq$ 4	1	1.0	13	1.1	

PCG: penicillin G.

Figure S1. Number of penicillin G-sensitive and -resistant pneumococcal isolates from adult patients with meningitis stratified by serotype.



NT, nontypeable. \*Serotypes contained in 13-valent pneumococcal conjugate vaccine.