

Table S6. Isolates for which whole-genome sequences were analysed in this study.

Isolate	Other name(s)	Serotype	Year	Country	CC	Penicillin susceptibility ^c	Genbank accession no.
14/5 ^a		14	1967	Denmark	15	S	
PMEN10 ^a	CSR ¹⁴ -10; ATCC700677	14	1987	CSR	15	R	
PMEN9 ^a	England ¹⁴ -9; ATCC700676	14	1993	England	15	S	
SPnINV200 ^b		14	1995	England	15	S	FQ312029.1
ICE13 ^a		14	1998	Iceland	15	S	
Ala243 ^a	L2003-01243	14	1998	USA	15	I	
Ala317 ^a	L2003-01317	14	2001	USA	15	I	
ICE50 ^a		14	2003	Iceland	15	I	
CGSP14 ^b		14	2004-2005	Taiwan	15	R	NC_010582.1
PMEN5 ^a	Spain ¹⁴ -5; ATCC700902	14	1990	Spain	18	I	
MLV-016 ^b		11A	Unknown	Unknown	62	Unknown	ABGH01000001- ABGH01000126
7B/2 ^a		7B	1952	USA	66	S	
9N/6 ^a		9N	1960	Denmark	66	S	
19F/11 ^a		19F	1972	Denmark	66	S	
JJA ^b		14	1995	Brazil	66	I	CP000919.1
PMEN18 ^a	Tennessee ¹⁴ -18; ATCCBAA-340	14	1997	USA	66	R	
USA9 ^a	PATH#183	14	1999	USA	66	I	
USA8 ^a	0680-02	9N	2001	USA	66	S	
USA12 ^a	PATH#678	23F	2001	USA	66	S	
USA13 ^a	PATH#688	19F	2005	USA	66	S	
USA11 ^a	PATH#286	14	Unknown	USA	66	S	
PMEN1 ^b	Spain ^{23F} -1; ATCC700669	23F	1984	Spain	81	I	NC_011900.1
PMEN12 ^a	Finland ^{6B} -12; ATCC700903	6B	1987	Finland	90	R	
PMEN2 ^a	Spain ^{6B} -2; ATCC 700670	6B	1988	Spain	90	I	
670 ^b		6B	1988	Spain	90	Unknown	CP002176.1
PMEN22 ^a	Greece ^{6B} -22; ATCCBAA- 658	6B	1995	Greece	90	S	
17F/2 ^a		17F	1939	Denmark	113	S	
18C/2 ^a		18C	1939	Denmark	113	S	

18B/2 ^a	1033/41 (da)	18B	1941	Denmark	113	S	
35C/2 ^a		35C	1941	Denmark	113	S	
35C/3 ^a	7765/43 (da)	35C	1943	Denmark	113	S	
9V/4 ^a	980/68	9V	1968	Denmark	113	S	
18C/3 ^a		18C	1968	Denmark	113	S	
PMEN36 ^a	Netherlands ^{18C} -36	18C	1980	Netherlands	113	S	
USA2 ^a	6223-99	18C	1999	USA	113	S	
ICE501 ^a		18C	2002	Iceland	113	S	
14/2 ^a	34359	14	1952	USA	124	S	
9L/2 ^a		9L	1952	USA	124	S	
11C/1 ^a	Eddy nr. 53	11C	1957	USA	124	S	
14/4 ^a		14	1961	Denmark	124	S	
PMEN35 ^a	Netherlands ¹⁴ -35	14	1980	Netherlands	124	S	
14/9 ^a		14	1982	Denmark	124	S	
14/7 ^a		14	1992	Denmark	124	S	
Ala292 ^a	L2003-01292	14	1998	USA	124	S	
USA6 ^a	4347-99	14	1999	USA	124	S	
Ala289 ^a	L2003-01289	14	2002	USA	124	S	
Ala263 ^a	L2003-01263	14	2002	USA	124	S	
ICE46 ^a		14	2003	Iceland	124	S	
ICE594 ^a		14	2005	Iceland	124	S	
SPnOXC141 ^b		3	2001	England	180	S	FQ312027.1
7A/2 ^a	2040/37	7A	1937	Denmark	191	S	
7F/3 ^a		7F	1962	Denmark	191	S	
PMEN39 ^a	Netherlands ^{7F} -39	7F	1984	Netherlands	191	S	
7F/4 ^a		7F	1986	Scotland	191	S	
ICE22 ^a		7F	1993	Iceland	191	S	
CDC1087-00 ^b		7F	1999	USA	191	S	ABFT01000001- ABFT01000075
USA16 ^a	PATH#224	7F	2003	USA	191	S	
CDC3059-06 ^b		19A	2005	USA	199	I	ABGG01000001- ABGG01000033
TIGR4 ^b		4	1991	Norway	205	Unknown	AE005672.3
P1031 ^b		1	2002	China	217	S	CP000920.1
7F/2 ^a		7F	1952	USA	218	S	
12F/5 ^a		12F	1988	Denmark	218	S	

ICE23 ^a		7F	1993	Iceland	218	S	
PMEN34 ^a	Denmark ^{12F} -34	12F	1995	Canada	218	S	
12F/6 ^a		12F	1996	Denmark	218	S	
USA18 ^a	4621-00	12F	1999	USA	218	S	
USA20 ^a	PATH#129	7F	1999	USA	218	S	
CDC0288-04 ^b		12F	2003-2004	Unknown	218	Unknown	ABGF01000001- ABGF01000038
PMEN15 ^a	Taiwan ^{23F} -15; ATCC700906	23F	1997	Taiwan	242	I	
70585 ^b		5	Unknown	Unknown	289	Unknown	CP000918.1
SPnINV104 ^b		1	1998	England	306	S	FQ312030.1
PMEN17 ^a	Maryland ^{6B} -17; ATCCBAA-342	6B	1997	USA	385	I	
17F/3 ^a		17F	1962	Denmark	392	S	
17F/4 ^a		17F	1962	Denmark	392	S	
23A/2 ^a	1196/45	23A	1945	Denmark	439	S	
23F/5 ^a		23F	1979	Germany	439	S	
PMEN4 ^a	Tennessee ^{23F} -4; ATCC51916	23F	1991	USA	439	I	
23F/10 ^a		23F	1996	Denmark	439	S	
22A/2 ^a	3405/39(da)	22A	1939	Denmark	490	S	
2/3 ^a		2	1943	Denmark	490	S	
10F/2 ^a	34355	10F	1956	USA	490	S	
18F/1 ^a		18F	1961	USA	490	S	
ICE11 ^a		6B	1998	Iceland	490	S	
USA22 ^a	3140-06	6C	2005	USA	490	I	
14/8 ^a		14	1976	Denmark	554	I	
17F/1 ^a		17F	1952	USA	574	S	
2/2 ^a	pn2L	2	1956	USA	574	S	
14/3 ^a		14	1939	Denmark	1106	S	
CDC1873-00 ^b		6A	1999	USA	2090	R	ABFS01000001-ABFS01000053
19F/8 ^a		19F	1952	Denmark	4399	S	
12F/3 ^a		12F	1961	Denmark	4399	S	
19F/5 ^a		19F	1962	Denmark	4399	S	
9A/1 ^a		9A	1962	USA	156/162	S	
9V/5 ^a		9V	1991	Denmark	156/162	S	
PMEN3 ^{a b}	Spain ^{9V} -3; ATCC 700671;	9V	1993	France	156/162	I	ABGE01000001-

	SP195						ABGE01000041
9V/6 ^a		9V	1994	Denmark	156/162	S	
PMEN14 ^a	Taiwan ^{19F} -14; ATCC700905	19F	1997	Taiwan	271/320	R	CP000921.1
ICE27 ^a		19F	1995	Iceland	422/476	S	
D39 ^b		2	1916	Unknown	None128	Unknown	CP000410.1
R6 ^b		NT	1964	Unknown	None128	Unknown	AE007317.1
9N/2 ^a		9N	1952	USA	None3782	S	
PMEN13 ^a	S.Africa ^{19A} -13; ATCC700904	19A	1988	South Africa	None41	I	
23F/4 ^a		23F	1967	Australia	Singleton10030	I	
12F/2 ^a		12F	1962	USA	Singleton10043	S	
19F/10 ^a		19F	1963	Denmark	Singleton10087	S	

^aIsolate subjected to whole-genome sequencing in this study. ^bGenome retrieved from Genbank. ^cS = Susceptible, MIC ≤0.06 µg/ml, I = Intermediate, MIC 0.12 - 1 µg/ml, R = Resistant, MIC ≥2.0 µg/ml.