Supplemental Material to:

Bruker matrix-assisted laser desorption/ionization time-of-flight mass spectrometry identification of *Neisseria gonorrhoeae* is improved by a database extension.

Valentijn A. Schweitzer, Alje P. van Dam, I Putu Yuda Hananta, Rob Schuurman, Johannes G. Kusters, Rob J. Rentenaar

Table S1 Study isolates

Origin of isolate/strain		NG17 MSP database construction			Validation of database					N. meningitidis
		N. gonorrhoeae			*N. gonorrhoeae*					*N. meningitidis*
		GRAS[1]	PHL[2]	total	UMCU[3]	PHL[2]	Indonesia[4]	WHO[5]	total	UMCU[3]
Year of isolation		2013	2014		2013	2010 (n=7) 2014 (n=9)	2014 (n=14) 2015 (n=3)			2004-2013
Geographical origin of isolate		NL	NL		NL	NL	Indonesia	see[5]		
Number of isolates		7	10*	17	26	16	17	5	64	30
Patient sex (n)	Male	-	10	10	22	16	13	-	51	19
	Female	-	-	-	4	-	4	-	8	10
	QC** (unknown sex)	7	-	7	-	-		5	5	1
Sample location (n)	Urethra	-	4	4	15	6	13	-	34	-
	Throat	-	4	4	1	2	-	-	3	-
	Anal/rectal	-	2	2	10	8	-	-	18	-
	Endocervical	-	-	-	-	-	4	-	4	
	Blood	-	-	-	-	-	-	-	-	18
	Cerebrospinal fluid	-	-	-	-	-	-	-	-	11
	Unknown	7	-	7	-	-		5	5	1
Neisseria gonorrhoeae PCR (n)	Positive	7	10	17	26	16	17	5	64	-
	Negative	-	-	-	-	-	-	-	-	27
	Not tested	-	-	-	-	-	-	-	-	3†

[1]Gonococcal resistance against antibiotics surveillance project

[2]Public Health Laboratory, Cluster of Infectious Diseases, Health Service of Amsterdam,

[3]Department of Medical Microbiology, University Medical Centre Utrecht, The Netherlands.

[4]Jogjakarta (Java, n=9), Jakarta (Java, n=4), Denpasar (Bali, n=4)

[5]from reference strain panel, see ref Unemo JAC 2009 one isolate each from Japan, Philippines, USA, Canada, Thailand

*Selected based on maximal disparity in MLVA analysis (data not shown).

**Quality control strain.

*** NT: not tested

† isolates not available for PCR analysis.