

Table S1: Primer sequences used in this study for detection of *N. gonorrhoeae*, their respective targets and copy numbers present in the *N. gonorrhoeae* genome

Primer ID (product length)	Sequence (5'->3')	Target Gene ^b	No Targets in FA1090 ^c	Similar Targets from Commercial NAATs
<i>Primer 2 (208bp)</i>		NGO1620, NGO0469, NGO1126	3	Cobas 4800 CT/NG
Forward	TCTGCTTTCTTGGTGGGCGA			
Reverse	AGGCGATCCGGAATGCTGA			
<i>Primer 3 (139bp)</i>		NGO05940, NGO06090, NGO06650, NGO1642	4	-
Forward	TATGGGGGTTCTTCGCACC			
Reverse	CAGACGGTTGCGGGTTCTTG			
<i>Primer 8-3 (132bp)</i>		NGO0773, NGO1200, NGO1703, NGO1137, NGO1164, NGO1262, NGO1641	7	BD ProbeTec GC Qx
Forward	CAGAAGCCTACGGACGAGCA			
Reverse	CGCATATGCTTTGGCCGCTT			
<i>Primer 8-4 (180bp)</i>		NGO0773, NGO1200, NGO1703, NGO1137, NGO1164, NGO1262, NGO1641	7	-
Forward	TCACGGATGACCGCAGCATA			
Reverse	AGACGCTTCACGCCTTCCTT			
<i>Primer13 (138bp)</i>		NGO0773, NGO1137, NGO1703, NGO1164, NGO1200, NGO1262, NGO1641	7	BD ProbeTec GC Qx
Forward	GCGTAACGCCGTAGGATTGGA			
Reverse	CCCAAGCTTTTCAACCGGTCC			
<i>Primer16 (93bp)</i>		NGO1131, NGO1209	2	-

Forward	CGGAACAAGCGTTTTTCAGCG			
Reverse	TCTTTGGCTTGTCCGGGTGT			
<i>Primer 17-1 (73bp)</i>				
Forward	TCCGAAACACGCAAACCGAAA	NGO1638, NGO0487,	3	-
Reverse	TAGCCCGGGTTGGTATTGCC	NGO1108		
<i>Primer 17-2 (82bp)</i>				
Forward	ACACGCAAACCGAAACCGTC	NGO1638, NGO0487,	3	-
Reverse	GCGCGGTTTTTGTAATAGCCC	NGO1108		
<i>Primer 21-5 (101bp)</i>				
Forward	GCACGAAACCCGTCCAATCC	NGO1085, NGO1652	2	-
Reverse	CAAGACATGCGGCTATGCGG			
<i>Primer 31-2 (188bp)</i>				
Forward	AAAATCGCGCCGGGTTTGAA	NGO0480, NGO1113,	3	-
Reverse	AGCTTATCCGCAGCGGTTCT	NGO1631		
<i>Primer 31-3 (275bp)</i>				
Forward	AAAAAGCCCGTCGGGTCAGA	NGO0480, NGO1113,	3	-
Reverse	AACCCGAAGAATCGGAGCCA	NGO1631		

^aThe primer sequences presented in this manuscript are the subject of a United States utility patent (#62/088,332)

^bLocus Tag ID in the NCBI database

^cNumber of targets on *N. gonorrhoeae* FA1090 genome