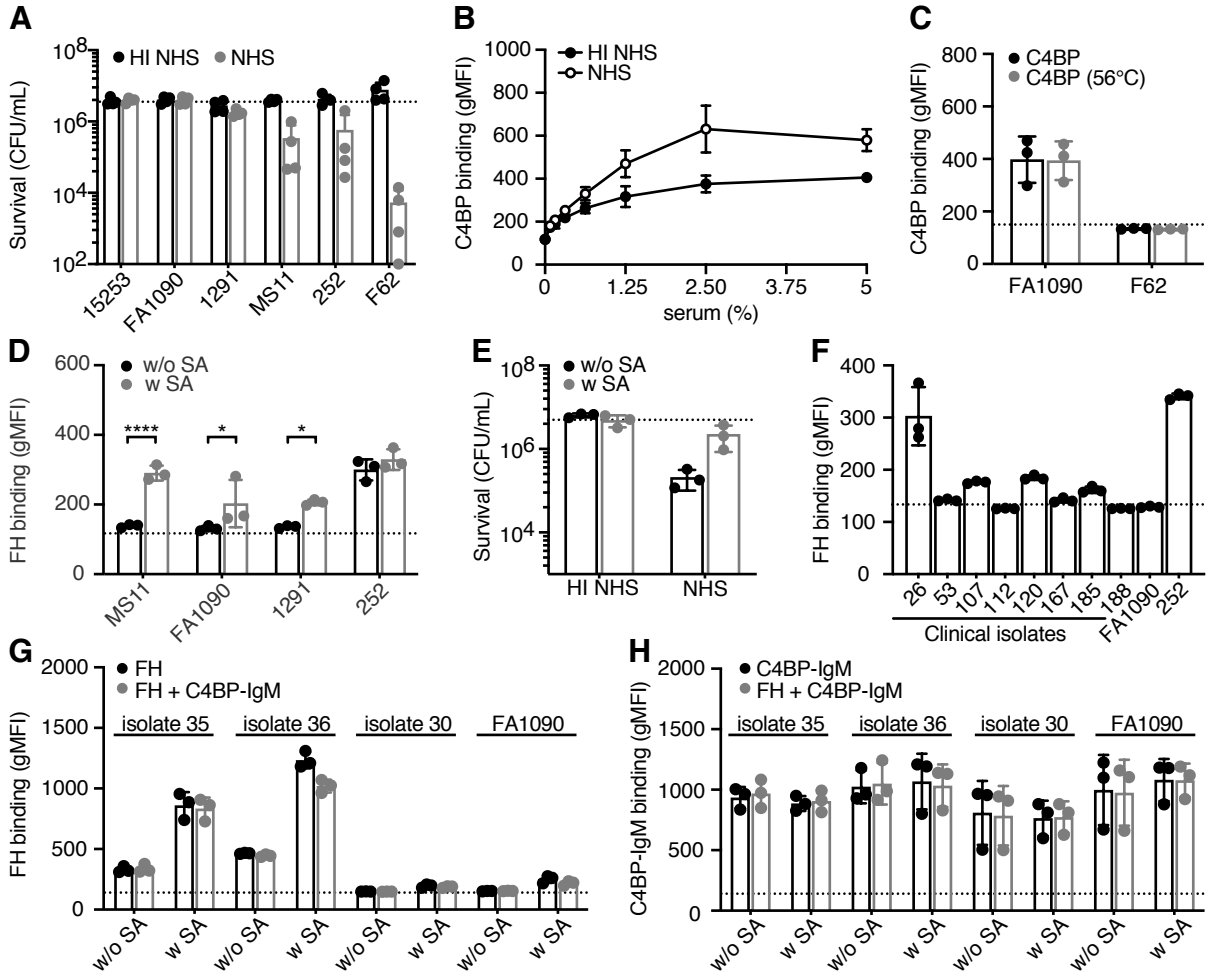
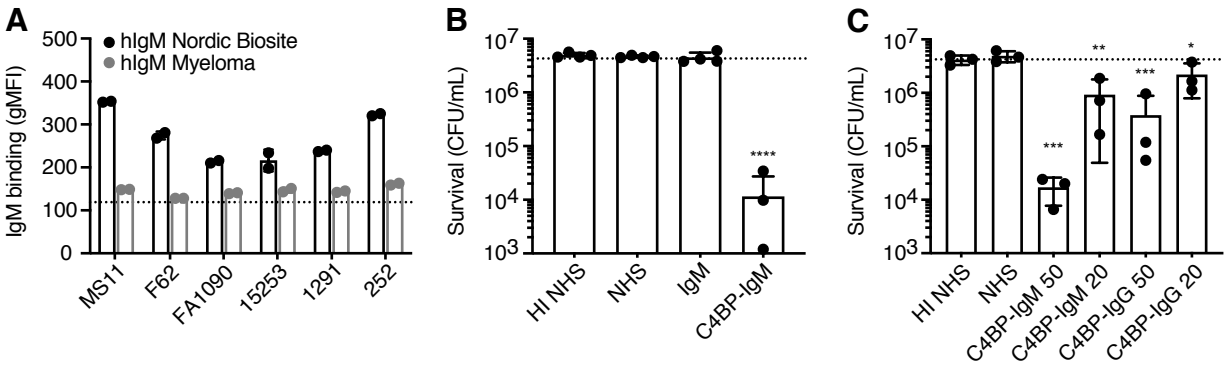
Suppl. Figure 1



Supplemental Figure 1. Survival and binding of complement inhibitors C4BP and FH to *Neisseria gonorrhoeae.* **A**) Survival of 6 laboratory strains of *Neisseria gonorrhoeae* to killing by 10% NHS. Heat inactivated NHS (HI NHS) is used as negative control. Dotted line corresponds to the starting number of bacteria used in the assay.**B**) C4BP binding to *N. gonorrhoeae* FA1090 from NHS or HI NHS. Dots represent mean ± SD of three independently performed repeats. **C**) Binding of C4BP or 56°C-treated C4BP to *N. gonorrhoeae* FA1090 and F62. **D**) Binding of FH to four laboratory strains of *N. gonorrhoeae* in the presence (w SA) or in the absence (w/o SA) of sialylation. Statistics *p* values were performed by two-way ANOVA with Sidak´s multiple comparisons test. $*p < 0.05$, $****p < 0.0001$ as indicated. **E**) Survival of *N. gonorrhoeae* MS11 to killing by 10% NHS in the presence (w SA) or in the absence (w/o SA) of sialylation. **F**) FH binding of non sialylated serum resistant gonococcal clinical isolates which are not binding C4BP (identified in Fig. 1F). Dotted line refers to cut-off for positivity (133.5 gMFI) calculated as mean + 3SD of the unspecific background of signal obtained for strain FA1090 that does not bind FH. Binding of FH (**G**) or C4BP-IgM (**H**) or both to gonococcal strains 30, 35, 36 and FA1090 in the presence (w SA) or in the absence (w/o SA) of sialylation. In all scatter plots, bars display mean ± SD of at least three independently performed experiments. Horizontal dotted line refers to starting amount of bacteria used in the assay (**A** and **E**), or gMFI average value in the absence of protein (**C**, **D**, **G** and **H**).

Suppl. Figure 2



Supplemental Figure 2. Binding and killing of Neisseria gonorrhoeae in the presence of human IgM and C4BP-IgG fusion protein. **A**) Binding of 50 µg/mL of human IgM to 6 laboratory strains of *N. gonorrhoeae*. Two preparations of IgM were tested: human IgM purified from normal human plasma (hIgM Nordic Biosite); human IgM purified from myeloma human plasma (hIgM Myeloma). Dotted line refers to gMFI average value in the absence of the proteins. **B**) Survival of *N. gonorrhoeae* FA1090 to killing by 10% NHS in the presence of either 50 µg/mL human IgM from myeloma plasma or 50 µg/mL C4BP-IgM. Heat inactivated NHS (HI NHS) was used as negative control. **C**) Survival of *N. gonorrhoeae* FA1090 to killing by 10% NHS in the presence of 20 or 50 µg/mL of either C4BP-IgM or C4BP-IgG. In both **B** and **C** graphs dotted lines correspond to the starting number of bacteria used in the assay, and each bar represents the mean ± SD of at least three independently performed experiments. In all graphs differences were compared using one-way ANOVA with Dunnett´s multiple comparisons test considering NHS as reference. *$p < 0.05$, **$p < 0.01$, ***$p < 0.005$, ****$p < 0.0001$.

Table I. Phenotypic characteristic of laboratory strains of *Neisseria gonorrhoeae*

Strain	PorB subclass	C4BP binding	FH binding	Serum resistance
15253	PorB1a	yes	yes	yes
FA1090	PorB1b	yes	only when sialylated	yes
MS11	PorB1b	yes	only when sialylated	yes
1291	PorB1b	yes	only when sialylated	yes
252	PorB1b	no	yes	yes
F62	PorB1b	no	only when sialylated	no

PorB, Porin B protein; C4BP, C4b-binding protein; FH, Factor H

Table II. Genotypic/phenotypic chracteristics of clinical *Neisseria gonorrhoeae* isolates

# Isolate	Serogroup	PorB subclass	C4BP binding (gMFI)	Survival (%)	Anatomical collection site	MIC Etest result in µg/mL				
						Ciprofloxacin	Spectinomycin	Ceftriaxone	Cefixime	Azithromycin
1	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3134**	**114,54%**	Urethra	**4**	8	0.008	<0.016	0.125
2	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3361**	**119,74%**	Urethra	**2**	8	0.016	0.016	0.125
4	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**125**	**0,00%**	Urethra	**4**	4	0.004	<0.016	0.016
5	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**122**	**0,10%**	Urethra	0.004	8	0.008	<0.016	0.125
6	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**2846**	**66,27%**	Cervix	**0.25**	8	0.008	<0.016	0.125
7	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**126**	**0,18%**	Urethra	**1**	8	0.004	<0.016	0.016
8	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**122**	**0,11%**	Cervix	**>32**	16	0.064	0.032	0.25
9	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3308**	**114,53%**	Cervix	**2**	8	0.016	0.032	0.25
10	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**119**	**0,71%**	Urethra	**16**	16	0.008	<0.016	0.125
11	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**124**	**4,12%**	Rectum	0.004	8	0.016	<0.016	0.064
12	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**130**	**0,00%**	Cervix	**>32**	16	0.016	<0.016	0.5
13	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**483**	**0,01%**	*Site not specified*	8	8	0.004	<0.016	0.125
14	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**124**	**0,12%**	Urethra	**>32**	8	0.064	0.032	0.5
15	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3069**	**120,39%**	Urethra	**4**	8	0.008	0.016	0.032
16	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**123**	**1,49%**	Urethra	0.004	16	0.004	<0.016	0.5
17	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4092**	**122,04%**	Pharynx	**8**	8	0.016	0.064	0.125
18	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3794**	**138,04%**	Urethra	**1**	16	0.016	0.064	0.125
19	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**123**	**4,80%**	Cervix	**>32**	16	0.064	**0.25**	0.5
20	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4210**	**139,76%**	Urethra	**1**	8	0.016	0.032	0.125
21	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**2500**	**103,66%**	Urethra	**1**	8	0.016	0.032	0.064
22	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4266**	**118,41%**	Urethra	**2**	16	0.004	<0.016	0.064
23	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3995**	**120,09%**	Cervix	**1**	8	0.008	0.032	0.125
24	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**124**	**0,00%**	Urethra	**2**	8	0.032	0.064	0.125
25	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**125**	**0,01%**	Urethra	**2**	16	0.008	0.016	0.25
26	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**125**	**96,38%**	Urethra	0.004	8	0.016	0.064	0.25
27	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**123**	**0,41%**	Pharynx	0.004	8	0.016	0.032	0.125
28	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**124**	**0,00%**	Cervix	**4**	16	0.016	0.032	0.125
29	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4166**	**104,22%**	Urethra	**1**	16	0.032	0.125	0.5
30	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**2592**	**31,13%**	Urethra	0.004	16	<0.002	<0.016	0.125
31	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**1306**	**1,76%**	Urethra	0.004	8	<0.002	<0.016	0.064
32	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**125**	**0,06%**	Urethra	**4**	16	0.004	0.016	0.032
33	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**127**	**0,10%**	Urethra	**>32**	8	0.032	0.016	0.25
34	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**408**	**0,01%**	Pharynx	0.004	16	0.004	<0.016	0.25
35	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**5184**	**109,42%**	Urethra	**8**	16	0.004	<0.016	0.064
36	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4146**	**119,77%**	Vagina	**1**	8	0.004	<0.016	0.032
37	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**178**	**0,23%**	Urethra	0.004	16	<0.002	<0.016	0.125
38	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**222**	**0,01%**	Urethra	**4**	8	0.004	<0.016	0.25
39	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**568**	**23,22%**	Pharynx	**4**	16	0.016	0.032	0.25
40	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**613**	**73,45%**	Urethra	**4**	16	0.008	0.016	0.25
41	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**5202**	**143,79%**	Urethra	**0.5**	8	0.004	<0.016	<0.016
42	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**1184**	**76,03%**	Pharynx	**4**	16	0.016	0.032	0.25
43	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**284**	**8,90%**	Urethra	**>32**	8	0.064	**0.25**	0.125
44	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3045**	**123,41%**	rectum	**4**	16	0.008	<0.016	0.064
45	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**2655**	**11,10%**	Urethra	0.008	16	0.004	<0.016	0.125
46	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**928**	**84,25%**	Cervix	**4**	16	0.016	0.016	0.25
47	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4692**	**108,74%**	*Site not specified*	**4**	16	0.016	0.016	0.25
49	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**130**	**4,70%**	Urethra	**>32**	16	0.032	0.064	0.5
50	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4961**	**151,98%**	Cervix	**2**	16	0.016	0.016	0.064
51	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**6055**	**148,98%**	Abscess	**8**	16	0.016	0.032	0.5
52	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**5692**	**164,36%**	Synovial fluid	**0.5**	16	0.008	<0.016	0.064
53	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**150**	**103,92%**	Pharynx	0.016	16	0.004	<0.016	0.5
54	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**559**	**4,93%**	rectum	**4**	16	0.004	<0.016	0.25
55	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4179**	**112,37%**	Urethra	**>32**	16	0.008	<0.016	0.125
56	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**123**	**0,69%**	Cervix	0.016	16	0.004	<0.016	0.5
57	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**125**	**0,04%**	Pharynx	**16**	16	0.032	0.064	0.5
58	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**2912**	**96,28%**	Urethra	**16**	16	0.004	<0.016	0.064
59	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**1855**	**79,20%**	Urethra	**2**	16	0.004	<0.016	0.5
60	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**174**	**0,28%**	Pharynx	**16**	16	0.064	0.125	0.5
61	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3445**	**99,19%**	Urethra	**2**	16	0.004	<0.016	0.25
62	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3188**	**109,35%**	Urethra	**16**	16	0.004	<0.016	0.064
63	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**129**	**0,01%**	Cervix	**8**	16	0.008	<0.016	0.25
64	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**5462**	**108,19%**	Urethra	**4**	16	0.004	<0.016	0.125
65	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**142**	**0,00%**	Urethra	0.008	16	0.004	<0.016	0.125
66	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**2946**	**124,20%**	Cervix	**8**	16	0.016	0.032	0.5
67	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**125**	**3,85%**	Cervix	**>32**	8	0.032	0.064	1
68	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**2332**	**113,29%**	Urethra	**1**	16	0.004	<0.016	0.064
69	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4502**	**157,85%**	Urethra	**2**	16	0.008	<0.016	0.125
70	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**134**	**1,18%**	Urethra	0.008	16	0.004	<0.016	0.25
71	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3769**	**104,84%**	Pharynx	**0.5**	16	0.008	<0.016	0.064
72	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**1567**	**100,05%**	Cervix	0.004	8	0.008	<0.016	0.064
73	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**1902**	**102,87%**	Blood	**>32**	16	0.125	0.064	0.5
74	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3136**	**113,20%**	Urethra	**2**	16	0.016	<0.016	0.125
75	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**129**	**1,07%**	Urethra	**>32**	16	0.032	0.032	0.125
76	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4300**	**152,75%**	Urethra	**4**	16	0.004	<0.016	0.125
77	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**146**	**15,80%**	Pharynx	0.004	16	0.004	<0.016	0.25
78	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**775**	**94,42%**	Exudate from wound	**4**	16	0.004	<0.016	0.25
79	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**2760**	**115,02%**	Pharynx	**0.5**	16	0.016	<0.016	0.125
80	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**832**	**56,17%**	Urethra	**>32**	16	0.004	<0.016	0.064
81	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4530**	**126,19%**	rectum	**4**	8	0.004	<0.016	0.016
82	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3433**	**131,30%**	Urethra	**2**	16	0.004	<0.016	0.25
83	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**138**	**3,00%**	Pharynx	**>32**	16	0.032	0.016	1
84	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3273**	**99,05%**	Urethra	**4**	16	0.004	<0.016	0.064
85	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**141**	**0,61%**	Urethra	**>32**	32	0.032	0.032	0.25
86	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3425**	**115,60%**	Urethra	**>32**	8	0.004	<0.016	0.125
87	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**244**	**0,05%**	Urethra	**4**	16	0.008	<0.016	0.125
88	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3983**	**131,61%**	Cervix	**4**	16	0.032	0.064	0.25
89	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**1513**	**67,13%**	Urethra	**4**	16	0.004	<0.016	0.5
90	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**123**	**1,28%**	Urethra	**>32**	16	0.032	UNK	0.5
91	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**2756**	**102,69%**	Pharynx	**8**	16	0.032	UNK	0.25
92	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**129**	**4,29%**	Urethra	**4**	16	0.004	UNK	0.125
93	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**2995**	**123,26%**	rectum	0.008	16	0.004	UNK	0.125
94	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4586**	**137,38%**	Pharynx	**8**	32	0.032	UNK	0.5
95	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**2419**	**125,46%**	Urethra	**4**	16	0.008	<0.016	0.5
96	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**5668**	**165,95%**	Cervix	0.004	16	0.004	<0.016	0.25
97	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**384**	***n.a.***	Synovial fluid	0.004	4	<0.002	<0.016	<0.016
98	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**2959**	**80,03%**	Urethra	**>32**	16	0.016	<0.016	0.5

99	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**5916**	**134,46%**	Cervix	0.004	16	0.004	<0.016	0.25
100	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**2809**	**108,37%**	Urethra	0.016	16	0.016	0.016	0.125
101	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4316**	**121,30%**	*Site not specified*	**8**	16	0.004	<0.016	0.25
102	Neisseria gonorrhoeae, serogrupp WII/III	PorB1b	**129**	**0,14%**	Urethra	0.008	16	0.008	<0.016	0.25
103	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**4148**	**114,12%**	rectum	**2**	16	0.004	<0.016	0.25
104	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**602**	**55,99%**	Urethra	**4**	16	0.032	0.032	0.25
105	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**6007**	**132,45%**	Blood	**8**	16	0.004	<0.016	0.064
106	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**3840**	**141,52%**	Cervix	**4**	16	0.002	<0.016	0.064
107	Neisseria gonorrhoeae, serogrupp WI	PorB1a	**135**	**75,65%**	Urethra	**8**	8	0.004	<0.016	0.032
108	"1 - Gcw1"	PorB1a	**5704**	**109,00%**	Urethra	**0.5**	16	0.002	<0.016	0.5
109	"1 - Gcw1"	PorB1a	**133**	**0,34%**	Urethra	**>32**	32	0.008	<0.016	0.5
110	"1 - Gcw1"	PorB1a	**5745**	**110,31%**	Synovial fluid	**2**	16	0.002	<0.016	0.125
111	"1 - Gcw2/3"	PorB1b	**136**	**0,04%**	Urethra	**>32**	16	0.032	0.016	**2**
112	"1 - Gcw2/3"	PorB1b	**127**	**95,61%**	*Site not specified*	0.004	16	0.008	<0.016	0.25
113	"1 - Gcw1"	PorB1a	**139**	**0,02%**	Cervix	**8**	16	0.004	<0.016	0.25
114	"1 - Gcw2/3"	PorB1b	**145**	**34,74%**	Urethra	**>32**	32	0.064	**0.25**	1
115	"1 - Gcw2/3"	PorB1b	**130**	**2,70%**	rectum	0.004	16	0.002	<0.016	0.5
116	"1 - Gcw1"	PorB1a	**2497**	**145,72%**	Cervix	**2**	16	0.004	<0.016	0.5
117	"1 - Gcw2/3"	PorB1b	**694**	**29,81%**	Cervix	0.004	8	0.004	<0.016	0.064
118	"1 - Gcw1"	PorB1a	**7280**	**109,55%**	Blood	**4**	16	0.008	<0.016	0.064
119	"1 - Gcw1"	PorB1a	**6390**	**85,25%**	Urethra	**4**	16	0.004	<0.016	0.064
120	"1 - Gcw2/3"	PorB1b	**128**	**70,15%**	rectum	0.004	16	0.004	<0.016	1
121	"1 - Gcw2/3"	PorB1b	**133**	**0,02%**	Urethra	0.004	16	0.004	<0.016	0.25
122	"1 - Gcw1"	PorB1a	**2501**	**98,52%**	Pharynx	**4**	16	0.004	<0.016	0.25
123	"1 - Gcw2/3"	PorB1b	**124**	**5,19%**	*Site not specified*	0.004	16	0.004	<0.016	1
124	"1 - Gcw2/3"	PorB1b	**128**	**15,54%**	Urethra	**4**	16	0.004	<0.016	0.25
125	"1 - Gcw1"	PorB1a	**5622**	**128,91%**	Cervix	0.004	16	0.008	<0.016	0.25
126	"1 - Gcw2/3"	PorB1b	**143**	**0,12%**	rectum	0.004	16	0.002	<0.016	0.25
127	"1 - Gcw2/3"	PorB1b	**131**	**0,01%**	Urethra	0.016	16	0.032	0.016	2
129	"1 - Gcw1"	PorB1a	**4481**	**64,94%**	rectum	0.004	16	0.002	<0.016	0.25
132	"1 - Gcw1"	PorB1a	**2023**	**31,11%**	rectum	**1**	16	0.004	<0.016	0.125
133	"1 - Gcw1"	PorB1a	**125**	**0,01%**	rectum	**1**	16	0.004	<0.016	0.125
134	"1 - Gcw2/3"	PorB1b	**130**	**0,01%**	Urethra	**0.5**	8	0.004	<0.016	0.064
135	"1 - Gcw1"	PorB1a	**138**	**0,24%**	Pharynx	**2**	8	0.004	<0.016	0.125
137	"1 - Gcw2/3"	PorB1b	**125**	**0,15%**	Pharynx	**2**	8	0.008	<0.016	0.5
138	"1 - Gcw1"	PorB1a	**2636**	**124,68%**	Urethra	**4**	16	0.004	<0.016	0.25
139	"1 - Gcw2/3"	PorB1b	**133**	**1,29%**	Urethra	0.008	8	0.004	<0.016	0.125
140	"1 - Gcw1"	PorB1a	**4932**	**109,07%**	Urethra	**2**	16	0.004	<0.016	0.032
141	"1 - Gcw1"	PorB1a	**3607**	**134,43%**	Urethra	**8**	8	0.008	0.016	0.064
142	"1 - Gcw2/3"	PorB1b	**125**	**12,16%**	*Site not specified*	**16**	16	0.016	0.032	0.5
143	"1 - Gcw1"	PorB1a	**412**	**0,37%**	Urethra	**2**	8	0.004	<0.016	0.032
144	"1 - Gcw2/3"	PorB1b	**136**	**0,01%**	Urethra	**4**	8	0.008	<0.016	0.125
145	"1 - Gcw1"	PorB1a	**125**	**0,04%**	Cervix	**2**	8	0.004	<0.016	0.064
146	"1 - Gcw2/3"	PorB1b	**124**	**0,42%**	rectum	0.004	8	0.002	<0.016	0.25
147	"1 - Gcw1"	PorB1a	**4855**	**123,34%**	Urethra	**8**	16	0.004	<0.016	0.125
149	"1 - Gcw1"	PorB1a	**3206**	**128,09%**	*Site not specified*	**0.5**	8	0.002	<0.016	0.064
150	"1 - Gcw2/3"	PorB1b	**2168**	**116,31%**	Cervix	0.004	8	<0.002	<0.016	0.064
151	"1 - Gcw1"	PorB1a	**4964**	**149,37%**	*Site not specified*	**4**	8	0.004	<0.016	0.064
152	"1 - Gcw1"	PorB1a	**3637**	**126,14%**	*Site not specified*	**2**	8	0.004	<0.016	0.032
153	"1 - Gcw1"	PorB1a	**5163**	**141,96%**	Synovial fluid	**1**	16	0.016	0.032	0.125
154	"1 - Gcw1"	PorB1a	**3746**	**127,71%**	Urethra	**4**	8	0.004	<0.016	0.25
155	"1 - Gcw2/3"	PorB1b	**129**	**13,22%**	rectum	**4**	16	0.004	<0.016	0.25
156	"1 - Gcw1"	PorB1a	**4158**	**127,62%**	Urethra	**2**	16	0.004	<0.016	0.064
157	"1 - Gcw2/3"	PorB1b	**190**	**0,55%**	rectum	**4**	8	0.008	<0.016	0.032
158	"1 - Gcw1"	PorB1a	**5664**	**111,81%**	Cervix	**0.25**	8	0.002	<0.016	0.064
161	"1 - Gcw2/3"	PorB1b	**127**	**0,08%**	Urethra	0.004	8	<0.002	<0.016	0.25
162	"1 - Gcw1"	PorB1a	**3709**	**132,34%**	Cervix	**1**	8	0.004	<0.016	0.064
163	"1 - Gcw2/3"	PorB1b	**128**	**1,02%**	Urethra	0.004	16	0.002	<0.016	0.5
164	"1 - Gcw2/3"	PorB1b	**164**	**0,06%**	Urethra	0.004	16	<0.002	<0.016	0.25
165	"1 - Gcw1"	PorB1a	**202**	**0,18%**	Cervix	**16**	8	<0.002	<0.016	0.125
166	"1 - Gcw1"	PorB1a	**4906**	**146,63%**	Cervix	**1**	16	0.004	<0.016	0.064
167	"1 - Gcw2/3"	PorB1b	**125**	**86,33%**	Pharynx	0.004	16	0.002	<0.016	0.5
168	"1 - Gcw2/3"	PorB1b	**127**	**0,00%**	Pharynx	0.004	16	0.002	<0.016	0.5
169	"1 - Gcw1"	PorB1a	**4735**	**122,55%**	Urethra	**4**	8	0.004	<0.016	0.25
170	"1 - Gcw2/3"	PorB1b	**484**	**0,10%**	Urethra	**4**	8	0.008	<0.016	0.25
171	"1 - Gcw1"	PorB1a	**4656**	**132,94%**	Urethra	0.004	16	0.004	<0.016	0.032
172	"1 - Gcw2/3"	PorB1b	**447**	**1,28%**	*Site not specified*	**>32**	8	0.032	**0.25**	0.125
173	"1 - Gcw1"	PorB1a	**1674**	**128,53%**	rectum	**2**	16	0.004	<0.016	0.25
174	"1 - Gcw1"	PorB1a	**1210**	**117,72%**	*Site not specified*	**2**	8	0.004	<0.016	0.064
175	"1 - Gcw2/3"	PorB1b	**127**	**0,07%**	Urethra	0.008	16	0.002	<0.016	0.25
176	"1 - Gcw1"	PorB1a	**3404**	**171,41%**	Urethra	**1**	16	0.002	<0.016	0.064
177	"1 - Gcw1"	PorB1a	**3375**	**158,17%**	*Site not specified*	**16**	16	0.004	<0.016	0.25
178	"1 - Gcw1"	PorB1a	**5108**	**128,45%**	Pharynx	**4**	16	0.008	<0.016	0.125
179	"1 - Gcw2/3"	PorB1b	**2810**	**59,95%**	*Site not specified*	0.004	16	0.002	<0.016	0.125
180	"1 - Gcw1"	PorB1a	**4599**	**144,55%**	Pharynx	**8**	16	0.016	0.016	0.25
181	"1 - Gcw1"	PorB1a	**5449**	**124,26%**	Cervix	**0.5**	16	0.004	<0.016	0.064
182	"1 - Gcw2/3"	PorB1b	**2737**	**0,04%**	Pharynx	**16**	16	0.016	<0.016	**>256**
183	"1 - Gcw2/3"	PorB1b	**126**	**8,80%**	Blood	0.032	16	0.016	<0.016	2
184	"1 - Gcw1"	PorB1a	**4111**	**120,49%**	Urethra	**4**	16	0.008	<0.016	0.25
185	"1 - Gcw2/3"	PorB1b	**130**	**130,27%**	Pharynx	**4**	16	0.004	<0.016	0.5
186	"1 - Gcw2/3"	PorB1b	**670**	**112,49%**	Cervix	0.002	8	0.004	<0.016	0.032
187	"1 - Gcw1"	PorB1a	**3241**	**129,08%**	*Site not specified*	**1**	8	0.002	<0.016	0.125
188	"1 - Gcw2/3"	PorB1b	**123**	**111,07%**	Urethra	**8**	16	0.016	<0.016	1
189	"1 - Gcw2/3"	PorB1b	**124**	**0,03%**	Urethra	**2**	8	0.016	0.016	0.25
190	"1 - Gcw1"	PorB1a	**3511**	**130,09%**	rectum	**2**	16	0.004	<0.016	0.25
191	"1 - Gcw2/3"	PorB1b	**125**	**20,71%**	Pharynx	0.008	16	0.032	0.032	0.25
192	"1 - Gcw1"	PorB1a	**2187**	**138,63%**	rectum	**2**	16	0.004	<0.016	0.5
193	"1 - Gcw2/3"	PorB1b	**130**	**25,09%**	Urethra	**4**	16	0.016	0.064	0.25
194	"1 - Gcw1"	PorB1a	**4192**	**128,40%**	Synovial fluid	**4**	16	0.016	0.032	0.064
195	"1 - Gcw1"	PorB1a	**3261**	**86,17%**	rectum	**1**	8	0.004	<0.016	0.25
196	"1 - Gcw2/3"	PorB1b	**134**	**0,11%**	Pharynx	0.004	16	<0.002	<0.016	0.25
197	"1 - Gcw1"	PorB1a	**132**	**2,56%**	Urethra	**4**	16	0.004	<0.016	0.125
198	"1 - Gcw2/3"	PorB1b	**128**	**1,64%**	Urethra	**4**	8	0.008	<0.016	0.25
200	"1 - Gcw2/3"	PorB1b	**132**	**30,38%**	Urethra	0.004	16	0.004	<0.016	0.5

PorB, Porin B protein; C4BP, C4b-binding protein; gMFI, geometric mean of fluorescence intensity; MIC, minimum inhibitory concentration; Gcw, *N.gonorrheae* serotype W.

Antimicrobial susceptibility testing was performed using the Etest method (AB bioMérieux, Solna, Sweden) on all antimicrobials according to the instructions from the manufacturer (results were rounded up to whole MIC dilutions). MIC values for the strains considered resistant according to the interpretative criteria of the European Committee on antimicrobial susceptibility tests (EUCAST, http://eucast.org/) are highlighted in bold.