

1 Supplementary Appendix

Li_Supplementary Table 1. Nomenclature for the Pfizer and Novartis variants

Pfizer variant	PubMLST FHbp	Novartis variant family	Novartis variant
	peptide allele ID		
A05	45	3	3.45
A06	47	3	3.47
A07	21	2	2.21 (PKA 2.6)
A12	24	2	2.24 (PKA 2.9)
A15	25	2	2.25 (PKA 2.10)
A19	16	2	2.16 (PKA 2.1)
A22	19	2	2.19 (PKA 2.4)
A106	27	2	2.27 (PKA 2.12)
B03	14	1	1.14
B09	13	1	1.13
B15	252	1	1.252
B16	4	1	1.4
B22	5	1	1.5
B24	1	1	1.1
B44	15	1	1.15
B45	9	1	1.9
B49	74	1	1.74
B130	321	1	1.321

FHbp=factor H binding protein; PKA=previously known as.