A

Construct Name	Primer Pair	Restriction Enzyme	Template
1:WT	T6WT Fwd x T6WT Rev	(BamHI/HindIII)	MGAS10394 genomic DNA
2:WT minus extension	T6noExt Fwd x T6noExt Rev	(BamHI/HindIII)	**1:**WT T6
3:N and M domains	T6Ndom Fwd x T6Mdom Rev	(KasI/XhoI)	**1:**WT T6
4:M	T6Mdom Fwd x T6Mdom Rev	(KasI/XhoI)	**1:**WT T6
5:M and C domains + ext	T6Mdom Fwd x T6Cdom Rev	(KasI/XhoI)	**1:**WT T6
6:M and C domains - ext	T6Mdom Fwd x T6Cdom Rev	(KasI/XhoI)	**5:**WT minus extension
7:M1	M1_0128 Fwd x M1_0128 Rev	(BamHI/EcoRI)	SF370 genomic DNA
8:M2	M2_0109 Fwd x M2_0109 Rev	(BamHI/HindIII)	MGAS10270 genomic DNA
9:M4	M4_0116 Fwd x M4_0116 Rev	(BamHI/EcoRI)	MGAS10750 genomic DNA
10:M28	M28_0109 Fwd x M28_0109 Rev	(BamHI/EcoRI)	MGAS6180 genomic DNA
11:M49	M49_FctA Fwd x M49_FctA Rev	(BamHI/EcoRI)	94/229* genomic DNA

B

Primer Name	Primer Sequence
T6WT Fwd	cgggatcc**ttatcaaaagatgatactgcacaac**
T6WT Rev	cgaagctt**ttatccacctgtcgaaggtaattcacc**
T6Ndom Fwd	gtaaaggcgcc**aaagatgatactgcacaactaaag**
T6Mdom Fwd	gtaaaggcgcc**ccatctattacaaagaaagtaacc**
T6Mdom Rev	gtaaactcgag**ttaataagtataaacaattttagaatcttc**
T6Cdom Rev	gtaaactcgag**ttatagcttggtgttagggatgtcag**
T6noExt Fwd	Ⓟ**-ggaggttcaggtacagtattattag**
T6noExt Rev	Ⓟ**-ccaatttgccgtaatttcataag**
M1_0128 Fwd	cgggatcc**gctacaacagttcacgg**
M1_0128 Rev	cggaattc**ttattcaaagacttttttatttg**
M2_0109 Fwd	cgggatcc**gaggacaccagagtgccttctc**
M2_0109 Rev	cgaagctt**ttaaccaccagtattagggattgaagg**
M4_0116 Fwd	gcggatcc**gaatcatcacataaaaccgatg**
M4_0116 Rev	cggaattc**ttaaccaccagtttgaggaatgg**
M28_0109 Fwd	gcggatcc**gagacggcaggagtgtccgaaaatg**
M28_0109 Rev	cggaattc**ttaaacaccagttggaacttgagtg**
M49_FctA Fwd	ctagggatcc**gagacagcaggagtgattg**
M49_FctA Rev	cggaattc**ttaaacaccagttggaacttgagtg**

TABLE S1

(A) Construct details of the clones used in this work. (B) Primer sequences are shown with the gene specific sequence as Black text and the non-gene specific sequence as Grey text with the restriction site underlined. Ⓟ- 5' phosphate group. * Proft *et al.* (2000) (1).

1. **Proft T, Moffatt SL, Weller KD, Paterson A, Martin D, Fraser JD.** 2000. The streptococcal superantigen SMEZ exhibits wide allelic variation, mosaic structure, and significant antigenic variation. J Exp Med **191:**1765-1776.