

Table S1. Primers used in this study.

Primer Name	Sequence (5'-3')^a
Primers for SAg expression constructs	
NcoI-His-TEV-SpeA For	CCCCCATGGGCAGCAGCCATCATCATCATCACAGCAGCGGCGAAAACCTGTATTTCCAAGGCCAACAGACCCCGATCCAAGCCA
BamHI-SpeA Rev	CCCGGATCCTTACTTGGTTGTTAGGTAGACTTCAAT
SpeA-Y100A For	AGTGCATGTATCGCCGGAGGGGTAACA
NcoI-His-TEV-SpeG For	CCCCCATGGGCAGCAGCCATCATCATCATCACAGCAGCGGCGAAAACCTGTATTTCCAAGCGATGAAAATTTAAAAGATTTAAAA
BamHI-SpeG Rev	CCCGGATCCCTAGTACGTTTTTAAGTAGATATCAAA
NcoI-SpeL-Forward	GGGCCATGGGCAGCAGCCATCATCATCATCACAGCAGCGGCGAAAACCTGTATTTCCAAAGTGAAGAGACTATTAATTAAGGAT
BamHI-SpeL-Reverse	GGGGGATCCTTATTTATTAATTTAACTAAGTA
NcoI-SpeM-Forward	GGGCCATGGGCAGCAGCCATCATCATCATCACAGCAGCGGCGAAAACCTGTATTTCCAAAGTATGCTGTGTTGTTAATAGCGAA
BamHI-SpeM-Reverse	GGGGGATCCCTAATTTTTAGAAAAATCTTCGTT
SmeZ-TEV-KpnI For	CCCGGTACCGGTGGTGGCTCCGGTAAAACTGTATTTCCAAGGCTTAGAAGTAGATAATAATTC
SmeZ-BamHI Rev	CCCGGATCCTTAGGAGTCAATTTCTATATC
Primers for SAg gene chromosomal deletion constructs	
BamHI-upstream speA MGAS8232 For	CCCGGATCCGCCAAGTTATGCCATTACTGTGTTG
PstI-upstream speA MGAS8232 Rev	CCCCTGCAGGAAGTCTACCTAACACCAAGTAA
PstI-downstream speA MGAS8232 For	CCCCTGCAGCAACTTTTTTATTGTTTTCCATTAATAT
KpnI-downstream speA MGAS8232 Rev	CCCGGTACCGCAAATGACAAATCGCTATATCAATAA
PstI-downstream speC MGAS8232 For	CCCCTGCAGTTTGATGATGTTAATCTTTTTCAT
KpnI-downstream speC MGAS8232 Rev	CCCGGTACCGGATATCAATTTTGTGGATTAACG
BamHI-upstream speC MGAS8232 For	CCCGGATCCCGGTTACCCATGCGCACTGTCC
PstI-upstream speC MGAS8232 Rev	CCCCTGCAGTTCGATATTTATCTTGAAAAATAATTCATC
BamHI-upstream speG MGAS8232 For	CCCGGATCCGCCAGCTTCAAGACGTTGGTTAA
PstI-upstream speG MGAS8232 Rev	CCCCTGCAGAAATCTAAAATGAACCTAGCCAC
PstI-downstream speG MGAS8232 For	CCCCTGCAGGATATCTACTTAAAAACGCACTAG
KpnI-downstream speG MGAS8232 Rev	CCCGGTACCGGAAGATCAAGCCAACCAAGAAA
BamHI-upstream speL/M MGAS8232 For	CCCGGATCCCTATGGACGTAGACAAATATGTTG
PstI-upstream speL/M MGAS8232 Rev	CCCCTGCAGTTATTACAAACAAAGAAAATTAATTAGTA
PstI-downstream speL/M MGAS8232 For	CCCCTGCAGCAAAGTCAAGGTATTTTTTTTCAT
KpnI-downstream speL/M MGAS8232 Rev	CGCGGTACCGGTGTATTGACATTGATGTATT
BamHI-upstream smeZ MGAS8232 For	GGGGGATCCGGGGAATTATGCCAATTGTCTCTA
PstI-upstream smeZ MGAS8232 Rev	CCCCTGCAGAAAAATAAGTTTTGTTTTTTTCATAAATAG
PstI-downstream smeZ MGAS8232 For	CCCCTGCAGTTAGATATAGAAATTGACTCCTAATTC
KpnI-downstream smeZ MGAS8232 Rev	GGGGGTACCGGGCAATTGTTTAACTGGTTAATTAG

Primers for the SpeA and SpeA_{V100A} complementation constructs

KpnI-tsf For	GGGGGGGTACCACCTTGCTCAATTGAACCACG
EcoRI-MCS-tsf Rev	TTTTTTGAATTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGGGCCCTCCGTTTGACACAACAAAAAGA
EcoRI-MCS-pepO For	GGGGGGGAATTCCTGCAGCCGGGGGATCCACTAGTTCTAGACACCAATAAGGAAGCAAAAA
NotI-pepO Rev	GGGGGGGCGGCCGAGCCTAAATGATTGGTGGA
SpeI-speA Comp For	GGGGGGACTAGTATTTTATAATAAAATTATTAATATAAGTTAA
Sall-speA Comp Rev	GGGGGGGTCGACAAAACCGCTCATCAAATGA

Screening and sequencing primers for genomic integrations

Int/Screen speA For	GCAAGCTACGGTTACGAAATTG
speA Screen II 8232 Rev	CCATCCTTTTTGATTCTCC
speC Int II For	GCAAAGCACTGGTTCGATGT
speC Int II Rev	GGATAACCTTAACCGCGCTAC
speG int II For	GCCCTCGTCAGAATGACTGT
speG Screen II Rev	CCGATACCGATCACCAAG
speL/M Int II For	GGCTTGAGTTATGTGTCTTTA
speL/M Screen II Rev	GTTTGGTGGTATAGATGTAGCAAGG
smeZ Int II For	CATGCCTGCTCAAACAAGATT
smeZ Screen II Rev	ATACGACTCCATCTCATTATAGC

Superantigen gene internal screening primers.

speA RT For	AAAGTTGCCATCTCTGGTTC
speA RT Rev	CAAGAGGTATTTGCTCAACAAGAC
speC RT For	TTTGAGCAGGCGTAATTCCT
speC RT Rev	TTCAACGACACACACATTAACA
speG RT For	ACCCCATGCGATTATGAAAA
speG RT Rev	GGGAGACCAAAAACATCGAC
speL RT For	ATAAGTCAGCACCTTCTCTTTC
speL RT Rev	AAATCTCCGTTACCTTCCA
speM RT For	AACTTCTTCTCTTAAAGCGTCT
speM RT Rev	TGCTGTGTTGGTTAATAGCGA
smeZ RT For	TTTCTCGTCTGTGATTGGA
smeZ RT Rev	AATGGGACGGAGAACATAGC

Mouse genotyping primers

DQA (1027) For	GAAGACATTGTGGCTGACCATGTTGCC
DQA (1029) Rev	AGCACAGCGATGTTTGTCAAGTCAAATTGCGG
DQ8b (vA) For1	AGGATTTGGTGTACCAAGTTAAGGGCAT
DQ8b (vT) For 2	AGGATTTGGTGTCCAGTTAAGGGCAT

DQ8b (vii) Rev	TGCAAGGTCGTGCGGAGCTCAA
DR4A (1101) For	GGAGATAGTGGAACTTGCGG
DR4A (1104) Rev	CCGATCACCAATGTACCTCC
DR4B (1098) For	GTTTCTGGAGCAGGTAAACA
DR4B (1099) Rev	CTGCACTGTGAAGCTCTCAC

^a Underlined sequences in primers indicate restriction endonuclease sites used for cloning purposes.