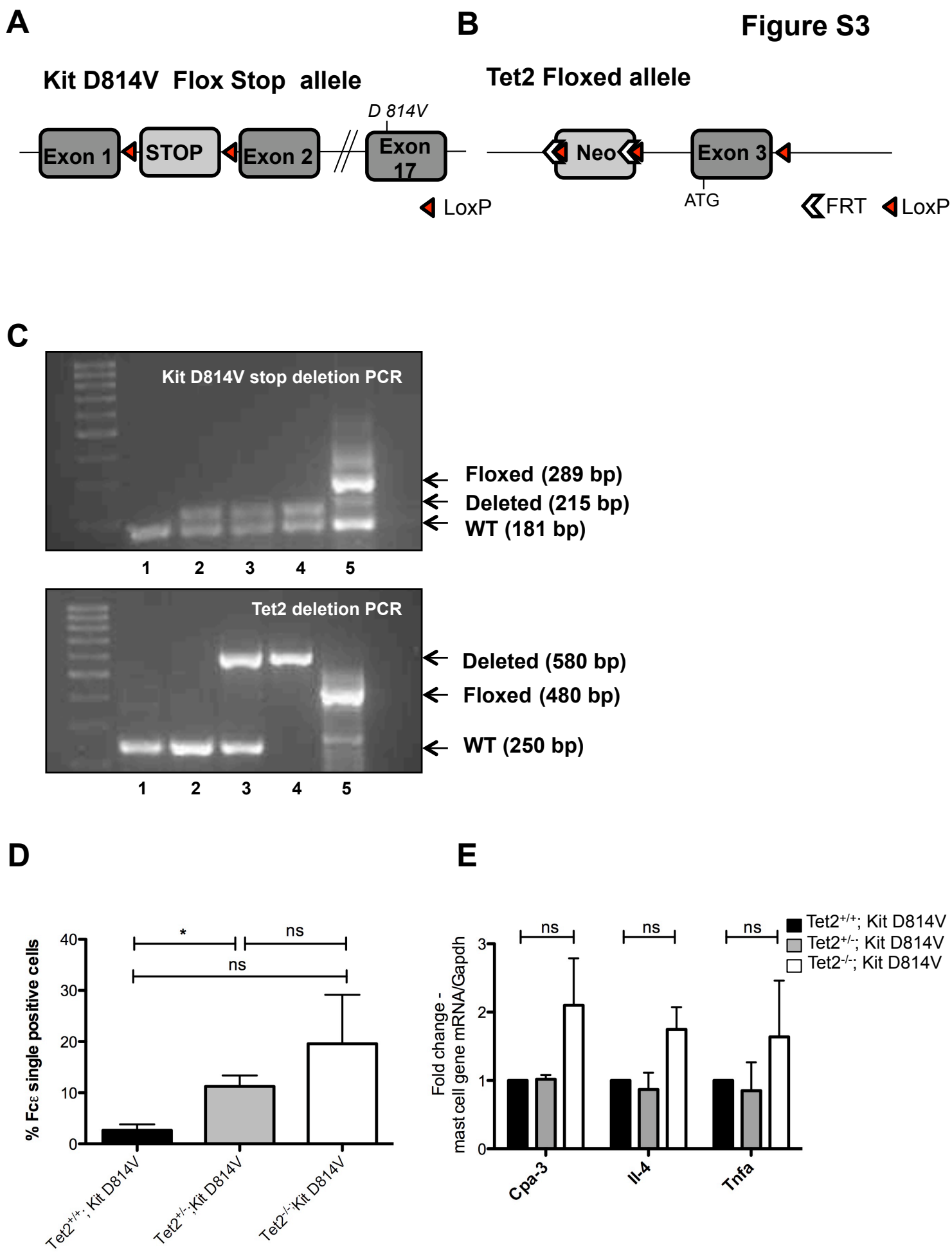
A
Kit D814V Flox Stop allele
D 814V
Exon 1
STOP
Exon 2
Exon 17
LoxP
B
Tet2 Floxed allele
Neo
Exon 3
ATG
FRT
LoxP
C
Kit D814V stop deletion PCR
Floxed (289 bp)
Deleted (215 bp)
WT (181 bp)
1 2 3 4 5
Tet2 deletion PCR
Deleted (580 bp)
Floxed (480 bp)
WT (250 bp)
1 2 3 4 5
D
% Fcε single positive cells
40
30
20
10
0
*
ns
ns
Tet2+/+; Kit D814V
Tet2+/-;Kit D814V
Tet2-/-;Kit D814V
E
Fold change - mast cell gene mRNA/Gapdh
3
2
1
0
ns
ns
ns
Tet2+/+; Kit D814V
Tet2+/-; Kit D814V
Tet2-/-; Kit D814V
Cpa-3
Il-4
Tnfa

Figure S3