

Mouse: SAA3 knock-out (3KO)

Genotyping information

Primers

mSAA3 WT F: CCTGGGAGTTGACAGCCA

mSAA3 KO F : CTAGTAAAAAGCTTGTTGACAGCC

mSAA3 common R : GA CGT GAA CTG CTC ATC ACT CTC CAC AAG

For SAA3 WT allele : mSAA3 WT F + mSAA3 common R (390bp)

For SAA3 KO allele : mSAA3 KO F + mSAA3 common R (390bp)

The PCR products can't be distinguished by size → PCR amplification separately

-PCR condition

95C 4 min

95C 15sec

62C 15sec

72C 30sec

72C 5min

4C forever

25cycle

If you use low annealing temperature or more PCR cycle,

You may see high background signals.

Running parental (SAA3het or SAA1/2/3TKOhet) DNA together with

pup's genomic DNA is recommended.

Genotyping example

