

PCR genotyping for ADAMTS1 KO mice

KO primer set

3 ul 10x Taq Buffer
0.3 ul 25mM dNTPs
0.3 ul exon9rightprimer 200uM
0.3 ul pGKNeoleftPrimer 200uM
0.2 ul Hotmaster Taq
0.5 ul DMSO
22.4ul H2O
4 ul DNA sample

WT primer set

3 ul 10x Taq Buffer
0.3 ul 25mM dNTPs
0.3 ul exon9rightprimer 200uM
0.3 ul exon9leftprimer
0.2 ul Hotmaster Taq
0.5 ul DMSO
22.4ul H2O
2 ul DNA sample

Each DNA sample has to be tested with both KO primer set and WT primer set. The KO band is 500 bp in size and the WT band is 300 bp in size

PCR reaction conditions

ADAMTSKO

94C 7 min

94C 30 sec

62C 30 sec 35 cycles

72C 30 sec

72C 5 min

Primer Sequence

Exon 9 right 5'-TGC CAC ACC TCA CTG CTT AC-3'
Pgkneoleft 5'-TAT CGC CGC TCC CGA TTC -3'
Exon 9 left 5'-TTA ATG GAC ACC CTG CTT CC-3'