

Genotyping *Alk1^{tm1Dyl}*
(*Acvr11*, *Alk1*)

MGI: 2155981

Reference: *Urness LD, Li DY. Arteriovenous Malformations in mice lacking activin receptor-like kinase-1. Nature Genetics, 2000. PMID 11062473.*

PRIMERS:

oJDW 550 (*Alk1*WT-FWD) 5'-CAA GCT GGT GAA CTG CAC TTG
oJDW 551 (*Alk1*WT-REV): 5'-CCA GCA TCA GAG ACA CGT TGT
oJDW 552 (PolyB-FWD): 5'-CAG AAA GCG AAG GAG CAA AG
oJDW 553 (PolyB-REV): 5'-CGT ACC GAG CTC GAA TTC AT

WT = 225 bp (JDW 550/551)

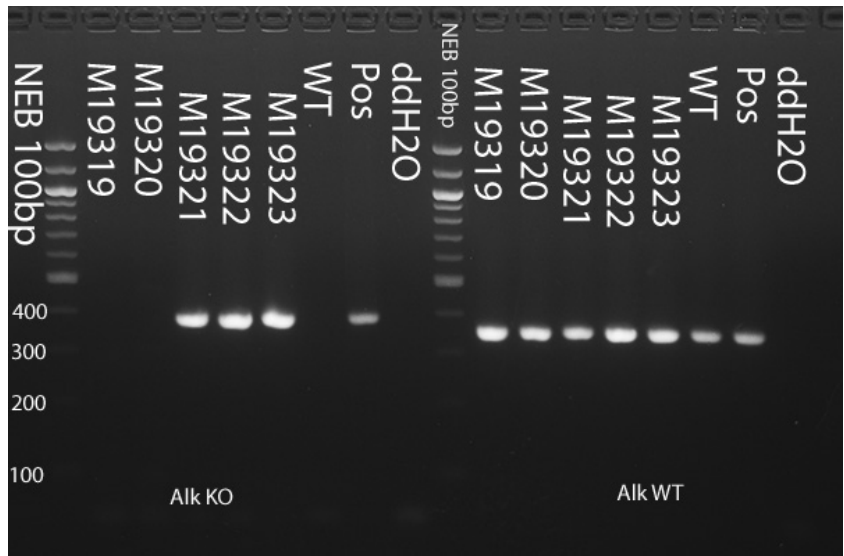
KO = 350 bp (JDW 552/553)

REACTION RECIPE:

9.375 µl ddH₂O
1.25 µl 10x Buffer
0.25 µl 10 mM dNTPs
0.25 µl JDW 550 (@20µM)
0.25 µl JDW 551 (@20µM)
0.125 µl Homemade TAQ
(11.5 µl)
1 µl genomic DNA

PCR PROGRAM:

Step 1: 95°C – 3 minutes
Step 2: 95°C – 30 seconds
Step 3: 60°C – 30 seconds
Step 4: 72°C – 30 seconds
Step 5: GO TO STEP 2, x 35 cycles
Step 6: 72°C X 5 minutes
Step 7: 16°C FOREVER



*Run on a 2.5% gel