

Genotyping protocol for 52bp (tetramer) ν hsx2 promoter BMP-responsive element hsp lacZ reporter mice:

forward primer - ^{5'}AAT, ACC, TGT, TCC, GTC, ATA, GC ^{3'}
 reverse primer - ^{5'}CTT, ACG, CCA, ATG, TCG, TTA, TC ^{3'}

PCR program

95°C - 5 minutes

95°C - 30 seconds

55°C - 45 seconds

72°C - 45 seconds

72°C - 5 minutes

hold 4°C

30X

PCR product

~ 466 bp

- we use mouse tail DNA or yolk sac DNA for PCR genotyping. DNA is extracted by a standard published protocol.