

Genotyping protocol for B6;129X1-Jubtm1Gdl/H (Ajuba KO)

Ajuba PCR

WT allele: A1 and A3 @1000 bp
KO allele: A2 and A3 @1000 bp

A1 5' – GCC AGC GAT GCG AGC AAG CC – 3'
A2 5' – TGC GAG GCC AGA GGC CAC TTG TGT AGC – 3'
A3 5' – GGG CGC GAG AGG ATG CTC TC – 3'

Perform two separate assays and run on agarose gels.

PCR CONDITIONS

1. 95⁰C 2 min. (preheat) x 1
2. 95⁰C 30 sec
3. 62⁰C 1 min
4. 72⁰C 1 min
5. go to 2, for 39 cycles
6. 4⁰C forever

Polymerase

Taq DNA polymerase with standard Taq buffer (NEB, M0273)

Reference

The LIM protein Ajuba influences p130Cas localization and Rac1 activity during cell migration.; Pratt SJ; Epple H, Ward M, Feng Y, Braga VM, Longmore GD; 2005; J. Cell Biol.; 168(5); 813-24; [15728191](#)