

## **Genotyping of ROSA26-ECFP,R26R-EYFP and ROSA26-EYFP**

Q264 FESA codes , from freezing request form submitted 2007.

Sequence of PCR Primers used for genotyping:

**r1- 5'AAAGTCGCTCTGAGTTGTTAT3'**

**r2- 5'GCGAAGAGTTTGTCTCAACC3'**

**r3- 5'GGAGCGGGAGAAATGGATATG3'**

Thermocycling parameters for PCR:

**40 cycles,  
melting at 94, 30sec,  
annealing at 50, 30sec  
elongating at 72 for 40sec.**

PCR product size

**r1 and r2 amplify ~250 bp targeted band  
r1 and r3 amplify ~500 bp wild type band**

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### **Published references for the stock:**

Derived from line published in :  
Srinivas, S., Watanabe, T., Lin, C.-S., Williams, C., Tanabe, Y., Jessell, T.  
And Costantini, F. (2001). Cre reporter strains produced by targeted  
insertion of EYFP and ECFP into the ROSA26 locus. BMC Developmental  
Biology 1:4.

AR Sep 2010.