

RBRC 10898

Strain name C57BL/6J-Sox17^{<em1(EGFP)Utr>}

| Primer | primer_name | primer_seq | length | Reference |
|--------|-----------------|-------------------------------|--------|-----------------------------------|
| 1 | Sox17 to stop F | GTATAAGCCCCGAGATGGGTCTTCCCTAC | 28 | Exp. Anim., 68(4):499-509 (2019). |
| 2 | Sox17 to stop R | AAACAAAAATCTCGTGTAGCCCCTCAAC | 28 | Exp. Anim., 68(4):499-509 (2019). |
| 3 | EGFP to out | TCTTCTGCTTGTCGGCCATGATATAGAC | 28 | Exp. Anim., 68(4):499-509 (2019). |
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Reaction Components

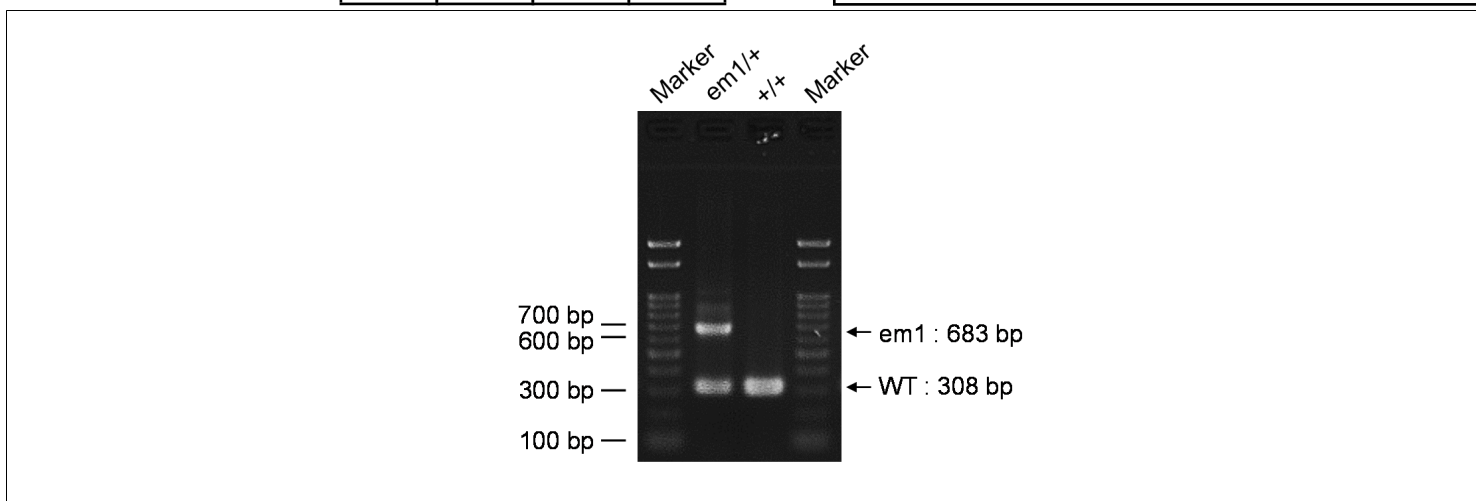
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

| Reagent | Conc | Reaction 1 | 2 | 3 | 4 |
|--------------|------------|------------|---|---|---|
| H2O | | 1.8 | | | |
| PCR buffer | 2 X | 10.0 | | | |
| dNTP | 2.0 mM | 4.0 | | | |
| primer 1 | 10 pmol/μl | 1.0 | | | |
| primer 2 | 10 pmol/μl | 1.0 | | | |
| primer 3 | 10 pmol/μl | 1.0 | | | |
| DNA | | 1.0 | | | |
| Taq | 1 U/μl | 0.2 | | | |
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| | | | | | |
| total | | 20 | | | |

Reaction Conditions

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 120 | |
| 2 | 98 | 10* | |
| 3 | 60 | 30* | |
| 4 | 68 | 60* | *Repeat for 30 cycles |
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Marker Gene Ladder 100 (Wako, Cat. 316-06951)
Gel 2% agarose in 1 X TAE (100 V, 30 min)



| primer_set | product_size | product (allele type) |
|------------|--------------|-----------------------|
| primer 1 | 308 bp | WT |
| primer 1 | 683 bp | em1 |
| | | |
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| | | |
| | | |

Comment [Standard PCR](#)

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.