

RBRC 09821

Strain name B6.129-Napepld<tm1.1Ueda>

| Primer | primer_name | primer_seq | length | |
|--------|-------------|--------------------------|--------|--|
| 1 | P3 | CACACCCCAGGAGGCATCACACT | 23 | Biochimica et Biophysica Acta, 1811, 565 |
| 2 | m3R | GATGAGCTCGTCCATTTCCACCAT | 24 | Biochimica et Biophysica Acta, 1811, 565 |
| 3 | | GGTCTATCTGTCGTTAGTGGCA | 22 | Biochimica et Biophysica Acta, 1811, 565 |
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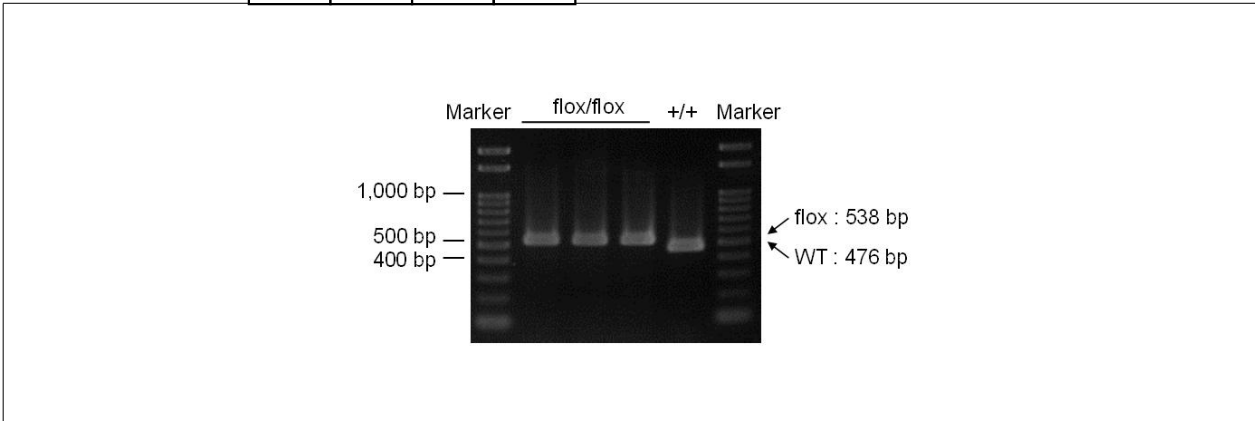
Reaction Components

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

Reaction Conditions

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

| 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, 50 min)

Comment

| PCR products | primer_set | product_size | product |
|--------------|------------|--------------|------------------------------------|
| primer 1 | primer 2 | 476 bp | WT |
| primer 1 | primer 2 | 538 bp | flox |
| primer 1 | primer 3 | 299 bp | null (After cre mediated excision) |
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Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.