# RIKEN BRC

Jun. 21, 2006

**BRC_No** 01569 **Strain name** PV484

**Primer**

| | primer_name | primer_seq | length |
|---|---|---|---|
| 1 | Zfp326-PV484-F1 | TATCTGACCTCCATGTGTAAGCATGTG | 27 |
| 2 | Zfp326-PV484-R1 | TTCTATCTGCTGATCCTGAGGGTGATC | 27 |
| 3 | T/BAL | CTTGTGTCATGCACAAAGTAGATGTCC | 27 |

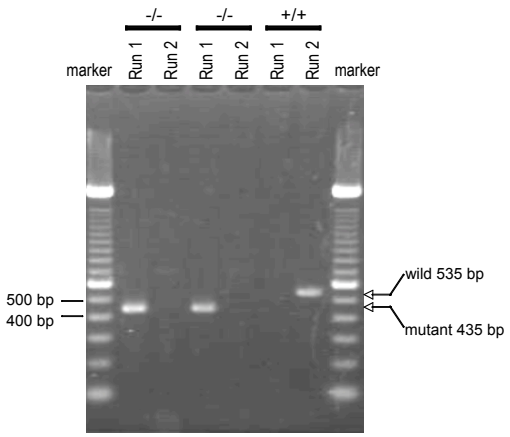
**Reaction Components**

**Enzyme** Roche Taq (Cat. No. BM1418432)

| | Conc | Run 1 | Run 2 | Run 3 |
|---|---|---|---|---|
| H2O | | 17.3 | 17.3 | |
| PCR buffer | 10 X | 2.5 | 2.5 | |
| dNTP | 2.5 mM | 2.0 | 2.0 | |
| primer 1 | 10 pmol/μl | 0 | 1.0 | |
| primer 2 | 10 pmol/μl | 1.0 | 1.0 | |
| primer 3 | 10 pmol/μl | 1.0 | 0 | |
| DNA | | 1.0 | 1.0 | |
| Taq | | 0.2 | 0.2 | |
| | total | 25 | 25 | |

**Reaction Conditions**

| step | temp (℃) | time (sec) | note |
|---|---|---|---|
| 1 | 94 | 180 | |
| 2 | 94 | 30 | * |
| 3 | 55 | 30 | * |
| 4 | 72 | 60 | * *Repeat for 35 cycles |
| 5 | 72 | 300 | |




**Marker**

100 bp ladder (Invitrogen, Cat. 15628-050)

**Gel**

2% agarose in 1 X TAE (100 V, 40 min)

**PCR products**

| primer_set | | product_size | product |
|---|---|---|---|
| primer 2 | primer 3 | 435 bp | mutant |
| primer 1 | primer 2 | 535 bp | wild |

**Comment**