|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | First round primers | | Second round (nested) primers | | Expected size (bp) |
| *ACTB* Genomic DNA | No donor insertion | P#6 | P#8 | P#7 | P#1 | 325 |
| Donor insertion, forward, 5' | P#6 | P#11 | P#7 | P#12 | 314 |
| Donor insertion, forward, 3' | P#9 | P#8 | P#10 | P#1 | 324 |
| Donor insertion, inverse, 5' | P#6 | P#9 | P#7 | P#10 | 179 |
| Donor insertion, inverse, 3' | P#11 | P#8 | P#12 | P#1 | 459 |
|  |  |  |  |  |  |  |
| *ACTB* mRNA | No donor insertion | P#2 | P#4 | P#3 | P#5 | 187 |
| Donor insertion, forward, 5' | P#2 | P#13 | P#3 | P#14 | 308 |
| Donor insertion, forward, 3' | P#16 | P#4 | P#15 | P#5 | 247 |
| Donor insertion, inverse, 5' | P#2 | P#16 | P#3 | P#15 | n/a |
| Donor insertion, inverse, 3' | P#13 | P#4 | P#14 | P#5 | n/a |
|  |  |  |  |  |  |  |
| *TUBA1B* | Genomic DNA, ctrl | P#17 | P#19 | P#18 | P#20 | 324 |
| mRNA, ctrl | P#17 | P#21 | P#18 | P#22 | 321 |

**Supplementary Table 2. PCR primer combinations.**