

Table S3 - Sequences of semi-quantitative RT-PCR primers used to sequence and/or verify the size of mouse *Topaz1* cDNA (mu, mouse)

| Gene | Primers | size |
|-----------------------------|--|-------------|
| mu <i>Topaz1</i> Exon 1 | 5' -GCACCACCCGAGGCCTGAGG-3' 5' -ACCTTCTGTCTCTTCTCTCC-3' | 155bp |
| mu <i>Topaz1</i> Exon 2 A | 5' -GAGGCCCAAGTGATGATCC-3' 5' -GCAAGATTCCTAAGGTTTTC-3' | 467bp |
| mu <i>Topaz1</i> Exon 2 B | 5' -GACATCAATAACCAGTTCGG-3' 5' -TTCTCCAGTGTTGTTCTCC-3' | 593bp |
| mu <i>Topaz1</i> Exon 2 C | 5' -AATAGCCAGTAAGTACTGC-3' 5' -TTTTAACCAAGTCCGGTGCC-3' | 1269bp |
| mu <i>Topaz1</i> Exon 2-4 | 5' -TAATGCAACTGAAGACACCC-3' 5' -TTCAGTGAAGCCTTCTAGGC-3' | 1087bp |
| mu <i>Topaz1</i> Exon 4-14 | 5' -ATGATCCTGAAGGAGCAGCC-3' 5' -AGCGTCTCAGCAACACAAGC-3' | 1129bp |
| mu <i>Topaz1</i> Exon 14-20 | 5' -CTGGACCAAATTGGGAAACC-3' 5' -ATATTCGAGCAGCCATGACC-3' | 1050bp |
| mu <i>Topaz1</i> Exon 20 | 5' -ACAGGTGCTGCAGATTGTCC-3' 5' -CCCTTTACTAATGGTTAGTG-3' | 255bp |