**Supporting Tables**

**Table 1**: Details of primers utilized in qRT-PCT analysis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Primer Name** | **Primer Sequence** | **Start (bp)** | **End (bb)** | **Frg Size (bp)** | **Frg GC (%)** | **Frg TM (°C)** |
| 15q Intronic 1\_F | 5'-CAGGCTGGAGTACAATGGTG-3' | 72,964,583 | 72,965,091 | 509 | 51 | 55 |
| 15q Intronic 1\_R | 5'-TGGGTGGATTGCCTAAACTC-3' |
| *NPTN*\_Ex4\_F | 5'-CCCTATTCTGACCTGAAATGC-3' | 73,865,869 | 73,866,294 | 426 | 52 | 54 |
| *NPTN*\_Ex4\_R | 5'-CCGTGACTCTAGAAAGGGTGA-3' |
| *SEMA7A*\_Ex9\_10\_F | 5'-GGCTACCACTCAAGCCTTCC-3' | 74,706,830 | 74,707,217 | 388 | 57 | 56 |
| *SEMA7A*\_Ex9\_10\_R | 5'-TACACCTTTCATGCCCGTTT-3' |
| 15q Intronic 2\_F | 5'-ACCTGTGTTCCCTTCACCAA-3' | 75,483,884 | 75,484,300 | 417 | 58 | 56 |
| 15q Intronic 2\_R | 5'-AGTAGGGGACAGCCTGTGTG-3' |
| *GAPDH*\_Ex5\_6\_F | 5'-CCCGGGTTCATAACTGTCTG-3' | 6,646,233 | 6,646,616 | 384 | 57 | 56 |
| *GAPDH*\_Ex5\_6\_R | 5'-GAGGAGCCAGTCTTGGATGA-3' |

**Table 1**: Details of primers utilized in qRT-PCT analysis including PCR product position and amplification conditions. Fragment size, GC content and annealing temperature are shown.

**Table 2:** Genes reported in the SAFARI gene database to be implicated in ASD on chromosome 15.

**Table 2**: Genes identified in the 15q deleted region and reported in the SAFARI gene database to be implicated in ASD. References and positions of reported genes are shown.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene Symbol** | **Gene Name** | **Genetic Category** | **Pubmed Reference ID** | **Position** |
| *BBS4* | Bardet-Biedl syndrome 4 | Rare single gene variant | 23375656 ([1](#_ENREF_1)) | chr:15:72,978,519-73,030,817 bp, Size:52,298 bp, Total Exon Count: 16 |
| *UBL7* | Ubiquitin-like 7 (bone marrow stromal cell-derived) | Rare Single Gene variant | 22016809 ([2](#_ENREF_2)) | chr15:74,738,317-74,753,529 bp, Size:15,212 bp, Total Exon Count: 11 |
| *RPP25* | Ribonuclease P/MRP 25kDa subunit | Functional | 20632321 ([3](#_ENREF_3)) | chr15:75,247,442-75,249,775 bp, Size:2333 bp, Total Exon Count: 1 |
|  |  |  |  |  |