**Table S3**: None of those events were found by cufflinks.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Event number** | **Gene symbol** | **Exons in junction** | **Skipped exons** | **Gel electroforesis** | **Sanger sequencing** | **Confirming in SwissProt database** | **Functional sites in skipped exons** |
| 1 | EPB41L3 | 6,8 | 7 | + | + | + | spectrin-actin binding domain |
| 2 | EPB41L3 | 10,12 | 11 | + | + | + | spectrin-actin binding domain |
| 3 | MPPE1 | 1,5 | 2,3,4 | + | + | - | 3 metal-binding sites |
| 4 | IMPA2 | 3,5 | 4 | + | - | - | no |
| 5 | ATP5A1 | 8,1 | 9 | + | - | - | no |
| 6 | CTDP1 | 10,12 | 11 | + | + | - | no |
| 7 | TYMS | 1,4 | 2,3 | - | - | - | no |
| 8 | ENOSF1 | 3,6 or 2,5 | 4,5 or 3,4  | + | - | - | no |
| 9 | ENOSF1 | 3,7 or 2,5 or 2,6 | 4,5,6 or 3,4 or 3,4,5 | + | + | - | active and metal-binding sites |
| 10 | ENOSF1 | 4,6 or 3,5 | 5,4 | + | + | - | no |
| 11 | NDC80 | 6,8 | 7 | - | - | - | no |
| 12 | KIAA0802 | 7,9 | 8 | + | + | + | no |
| 13 | SEH1L | 2,4 | 3 | + | + | - | repeat 55-96 |
| 14 | ATP5A1 | 4,6 | 5 | - | - | - |   |
| 15 | ATP5A1 | 10,12 | 11 | + | - | - | no |
| 16 | TXNL4A | 1,3 | 2 | + | + | - | no |
| 17 | TYMS | 1,3 | 2 | - | - | - | no |
| 18 | ENOSF1 | 8,11 | 9,10 | - | - | - | no |
| 19 | C18orf1 | 3,5 | 4 | + | + | - | topological domain |
| 20 | ME2 | 13,15 | 14 | + | + | - | active and metal-binding sites |