**Appendix 8.** RNASplicing Events

| **Gene** | **Type** | **Description** | **P-value** | **Log2 Fold Change** |
| --- | --- | --- | --- | --- |
| RAD54L2andTEX264 | EJ | E-E j. between exon(s) 22 and exons(s) 23 of RAD54L2andTEX264 | 0.0001 | 1.28 |
| KIAA0368andOR2K2 | EJ | E-E j. between exon(s) 11|13 and exons(s) 14|15 of KIAA0368andOR2K2 | 0.0001 | 1.31 |
| BUB1 | EJ | E-E j. between exon(s) 28|29 and exons(s) 30 of BUB1 | 0.0001 | 1.66 |
| ITGA6 | EJ | E-E j. between exon(s) 7|8 and exons(s) 9 of ITGA6 | 0.0001 | 1.73 |
| MARK3 | EJ: AD, AA | E-E j. between exon(s) 26 and exons(s) 29 of MARK3 | 0.0001 | 1.74 |
| ERO1L | EJ | E-E j. between exon(s) 11|12 and exons(s) 13 of ERO1L | 0.0001 | 1.76 |
| NPAS2 | EJ: AD | E-E j. between exon(s) 6|8|9 and exons(s) 10 of NPAS2 | 0.0001 | 1.95 |
| MALT1 | EJ | E-E j. between exon(s) 9 and exons(s) 10 of MALT1 | 0.0001 | 2.23 |
| NEDD9 | EJ | E-E j. between exon(s) 6 and exons(s) 7|8 of NEDD9 | 0.0002 | 0.27 |
| FAM73A | EJ | E-E j. between exon(s) 12 and exons(s) 13 of FAM73A | 0.0002 | 1.30 |
| PRKDC | EJ: AD | E-E j. between exon(s) 96 and exons(s) 98 of PRKDC | 0.0002 | 1.36 |
| RDX | EJ | E-E j. between exon(s) 22 and exons(s) 23 of RDX | 0.0002 | 1.52 |
| IFT140 | EJ | E-E j. between exon(s) 31 and exons(s) 32 of IFT140 | 0.0002 | 1.55 |
| RDX | EJ: ES(1), AD | E-E j. between exon(s) 18 and exons(s) 21 of RDX, skipping 1 exon | 0.0002 | 1.60 |
| LAMC1 | EJ | E-E j. between exon(s) 33|34 and exons(s) 35 of LAMC1 | 0.0002 | 1.60 |
| MYO1E | EJ | E-E j. between exon(s) 19 and exons(s) 20 of MYO1E | 0.0002 | 1.64 |
| RPS5 | EJ: ES(1) | E-E j. between exon(s) 7|9 and exons(s) 12|13|14 of RPS5, skipping 1 exon | 0.0002 | 1.70 |
| SNRNP200 | EJ | E-E j. between exon(s) 52 and exons(s) 53 of SNRNP200 | 0.0002 | 1.80 |
| EPRS | EJ | E-E j. between exon(s) 27 and exons(s) 28 of EPRS | 0.0002 | 1.90 |
| KIAA1632 | EJ | E-E j. between exon(s) 13 and exons(s) 14 of KIAA1632 | 0.0002 | 1.94 |
| CASK | EJ | E-E j. between exon(s) 16 and exons(s) 17 of CASK | 0.0002 | 2.11 |
| RALGPS2 | EJ | E-E j. between exon(s) 20 and exons(s) 21 of RALGPS2 | 0.0002 | 2.14 |
| SEMA3C | EJ | E-E j. between exon(s) 18 and exons(s) 19 of SEMA3C | 0.0002 | 2.24 |
| MALT1 | EJ: AD, AA | E-E j. between exon(s) 19 and exons(s) 22 of MALT1 | 0.0002 | 2.27 |
| KIAA1797 | EJ | E-E j. between exon(s) 35 and exons(s) 36|37 of KIAA1797 | 0.0002 | 2.37 |
| STIM1 | EJ: AA | E-E j. between exon(s) 32 and exons(s) 34 of STIM1 | 0.0002 | 2.66 |
| MMP1 | EJ | E-E j. between exon(s) 5 and exons(s) 6 of MMP1 | 0.0002 | 2.66 |
| LARS | EJ | E-E j. between exon(s) 39 and exons(s) 40 of LARS | 0.0003 | 1.38 |
| MIB1 | EJ | E-E j. between exon(s) 30 and exons(s) 31 of MIB1 | 0.0003 | 1.42 |
| LAMC1 | EJ: ES(3) | E-E j. between exon(s) 1|2|3|4 and exons(s) 8|9 of LAMC1, skipping 3 exons | 0.0003 | 1.45 |
| ACO2 | EJ: AD | E-E j. between exon(s) 17 and exons(s) 18|19 of ACO2 | 0.0003 | 1.56 |
| PTGFRN | EJ | E-E j. between exon(s) 10 and exons(s) 11 of PTGFRN | 0.0003 | 1.65 |
| CLCN3 | EJ: ES(1) | E-E j. between exon(s) 20|21 and exons(s) 23|24 of CLCN3, skipping 1 exon | 0.0003 | 1.73 |
| GOLGA1 | EJ: AA | E-E j. between exon(s) 3 and exons(s) 6 of GOLGA1 | 0.0003 | 1.85 |
| FERMT1 | EJ: ES(1), AD | E-E j. between exon(s) 26|29 and exons(s) 31|32|33|34 of FERMT1, skipping 1 exon | 0.0003 | 1.85 |
| LAMA3 | EJ | E-E j. between exon(s) 57 and exons(s) 58 of LAMA3 | 0.0003 | 1.89 |
| ADKandMRPL35P3 | IR | IR event of exon 29 of ADKandMRPL35P3 and the 3-prime intron region | 0.0003 | 1.89 |
| PPIL3andCLK1 | EJ: ES(1), AD, AA | E-E j. between exon(s) 26|27 and exons(s) 33 of PPIL3andCLK1, skipping 1 exon | 0.0003 | 1.91 |
| RALGPS2 | EJ | E-E j. between exon(s) 40 and exons(s) 41|42|43 of RALGPS2 | 0.0003 | 1.93 |
| LAMA3 | EJ | E-E j. between exon(s) 47|48 and exons(s) 49 of LAMA3 | 0.0003 | 1.94 |
| ITGA2 | EJ | E-E j. between exon(s) 10 and exons(s) 11 of ITGA2 | 0.0003 | 2.10 |
| MMP13 | EJ | E-E j. between exon(s) 6 and exons(s) 7 of MMP13 | 0.0003 | 2.34 |
| HTATIP2 | EJ | E-E j. between exon(s) 4|6|7|8 and exons(s) 10|11|12|9 of HTATIP2 | 0.0003 | 2.44 |
| GALNTL4 | EJ | E-E j. between exon(s) 10 and exons(s) 11 of GALNTL4 | 0.0003 | 2.48 |
| ZBTB41 | EJ | E-E j. between exon(s) 6 and exons(s) 7 of ZBTB41 | 0.0003 | 2.54 |
| PHYHD1andNUP188 | EJ: AA | E-E j. between exon(s) 88 and exons(s) 90 of PHYHD1andNUP188 | 0.0003 | 3.07 |
| ITGB3andC17orf57 | EJ: ES(3) | E-E j. between exon(s) 42 and exons(s) 46|47 of ITGB3andC17orf57, skipping 3 exons | 0.0004 | 0.48 |
| IARS | EJ: AD | E-E j. between exon(s) 15 and exons(s) 17|18|19 of IARS | 0.0004 | 1.32 |
| SEC11C | EJ: AD | E-E j. between exon(s) 13 and exons(s) 16|17 of SEC11C | 0.0004 | 1.35 |
| PITRM1 | EJ | E-E j. between exon(s) 20 and exons(s) 21 of PITRM1 | 0.0004 | 1.47 |
| PCM1 | EJ | E-E j. between exon(s) 35 and exons(s) 36 of PCM1 | 0.0004 | 1.50 |
| LMNA | EJ | E-E j. between exon(s) 31 and exons(s) 32|33 of LMNA | 0.0004 | 1.67 |
| MYO1E | EJ: ES(3), AA | E-E j. between exon(s) 42 and exons(s) 47 of MYO1E, skipping 3 exons | 0.0004 | 1.67 |
| ATP2A2 | EJ: AD, AA | E-E j. between exon(s) 15 and exons(s) 18 of ATP2A2 | 0.0004 | 1.91 |
| FKTN | EJ | E-E j. between exon(s) 24 and exons(s) 25 of FKTN | 0.0004 | 1.93 |
| MALT1 | EJ | E-E j. between exon(s) 21|22 and exons(s) 23|24 of MALT1 | 0.0004 | 2.02 |
| MALT1 | EJ: AD | E-E j. between exon(s) 17|18 and exons(s) 19|20 of MALT1 | 0.0004 | 2.03 |
| PPIF | EJ: AD, AA | E-E j. between exon(s) 8 and exons(s) 10|11 of PPIF | 0.0004 | 2.10 |
| YARS | EJ: ES(1) | E-E j. between exon(s) 11|13 and exons(s) 16|17|18 of YARS, skipping 1 exon | 0.0004 | 2.12 |
| PPP6R2 | EJ: ES(2), AA | E-E j. between exon(s) 51 and exons(s) 55 of PPP6R2, skipping 2 exons | 0.0004 | 2.38 |
| EPRS | EJ | E-E j. between exon(s) 7 and exons(s) 8 of EPRS | 0.0005 | 1.37 |
| CDC42BPB | EJ | E-E j. between exon(s) 54 and exons(s) 55 of CDC42BPB | 0.0005 | 1.39 |
| AIFM1 | EJ | E-E j. between exon(s) 8 and exons(s) 9 of AIFM1 | 0.0005 | 1.55 |
| TK1 | EJ: AD, AA | E-E j. between exon(s) 2|3|4 and exons(s) 6 of TK1 | 0.0005 | 1.56 |
| MCCC1 | EJ: ES(2), AD, AA | E-E j. between exon(s) 36 and exons(s) 40 of MCCC1, skipping 2 exons | 0.0005 | 1.60 |
| CTSH | EJ: ES(2), AD | E-E j. between exon(s) 32 and exons(s) 36|37|38 of CTSH, skipping 2 exons | 0.0005 | 1.71 |
| ITGA6 | EJ | E-E j. between exon(s) 29 and exons(s) 30|31|32 of ITGA6 | 0.0005 | 1.76 |
| LAMC2 | EJ | E-E j. between exon(s) 28|29 and exons(s) 30|31|32 of LAMC2 | 0.0005 | 1.85 |
| SASS6 | EJ: AD, AA | E-E j. between exon(s) 12 and exons(s) 14 of SASS6 | 0.0005 | 1.91 |
| PTGR1 | EJ | E-E j. between exon(s) 10|9 and exons(s) 11|12 of PTGR1 | 0.0005 | 1.93 |
| EGFR | EJ | E-E j. between exon(s) 40 and exons(s) 41 of EGFR | 0.0005 | 2.03 |
| CD44 | EJ: AD, AA | E-E j. between exon(s) 41 and exons(s) 45 of CD44 | 0.0005 | 2.06 |
| PSAT1 | EJ | E-E j. between exon(s) 11 and exons(s) 12|13 of PSAT1 | 0.0005 | 2.20 |
| GTF3C5 | EJ: ES(1), AD | E-E j. between exon(s) 15 and exons(s) 19|20 of GTF3C5, skipping 1 exon | 0.0005 | 2.30 |
| FERMT1 | EJ | E-E j. between exon(s) 25 and exons(s) 26|27|28 of FERMT1 | 0.0005 | 2.34 |
| MMP1 | EJ | E-E j. between exon(s) 10 and exons(s) 11 of MMP1 | 0.0005 | 2.52 |
| ATR | EJ | E-E j. between exon(s) 42 and exons(s) 43 of ATR | 0.0006 | 0.53 |
| PTPN11 | EJ | E-E j. between exon(s) 5 and exons(s) 6 of PTPN11 | 0.0006 | 1.28 |
| EZR | EJ | E-E j. between exon(s) 32|34 and exons(s) 35|36 of EZR | 0.0006 | 1.46 |
| CTSL2 | EJ | E-E j. between exon(s) 6|7|8 and exons(s) 10|9 of CTSL2 | 0.0006 | 1.47 |
| IL18 | EJ: AD | E-E j. between exon(s) 11 and exons(s) 13|14|15|16 of IL18 | 0.0006 | 1.48 |
| C20orf111 | EJ: ES(2) | E-E j. between exon(s) 1|10|11|2|4|5|7|8|9 and exons(s) 14|15 of C20orf111, skipping 2 exons | 0.0006 | 1.50 |
| FRG1B | EJ | E-E j. between exon(s) 16 and exons(s) 17 of FRG1B | 0.0006 | 1.54 |
| CHD9 | EJ | E-E j. between exon(s) 42|43 and exons(s) 44 of CHD9 | 0.0006 | 1.55 |
| CCAR1 | EJ | E-E j. between exon(s) 26 and exons(s) 27 of CCAR1 | 0.0006 | 1.55 |
| MYO5BandACAA2 | EJ | E-E j. between exon(s) 35 and exons(s) 36|37 of MYO5BandACAA2 | 0.0006 | 1.63 |
| KIAA1109 | EJ | E-E j. between exon(s) 67 and exons(s) 68 of KIAA1109 | 0.0006 | 1.68 |
| RCBTB1 | EJ | E-E j. between exon(s) 8|9 and exons(s) 10|11 of RCBTB1 | 0.0006 | 1.70 |
| GGA1 | EJ | E-E j. between exon(s) 85 and exons(s) 86 of GGA1 | 0.0006 | 1.79 |
| CLPX | EJ | E-E j. between exon(s) 5|6 and exons(s) 7|8 of CLPX | 0.0006 | 1.82 |
| ATP6V1A | EJ | E-E j. between exon(s) 1|2|3|4 and exons(s) 6|7 of ATP6V1A | 0.0006 | 1.88 |
| TTF1 | EJ: AA | E-E j. between exon(s) 6 and exons(s) 8 of TTF1 | 0.0006 | 1.95 |
| PPIL4andZC3H12D | IR | IR event of exon 17 of PPIL4andZC3H12D and the 5-prime intron region | 0.0006 | 1.99 |
| DOCK7 | EJ: AA | E-E j. between exon(s) 65 and exons(s) 67 of DOCK7 | 0.0006 | 1.99 |
| ATP6V0A2 | EJ | E-E j. between exon(s) 28|29 and exons(s) 30|31 of ATP6V0A2 | 0.0006 | 2.14 |
| UBASH3B | EJ | E-E j. between exon(s) 25 and exons(s) 26 of UBASH3B | 0.0006 | 2.17 |
| COG4 | EJ | E-E j. between exon(s) 8 and exons(s) 9 of COG4 | 0.0006 | 2.18 |
| C1orf107 | EJ: AD | E-E j. between exon(s) 19 and exons(s) 20|21|22|23|24 of C1orf107 | 0.0006 | 2.18 |
| PPIF | EJ: AD, AA | E-E j. between exon(s) 6 and exons(s) 8 of PPIF | 0.0006 | 2.24 |
| EDEM3 | EJ | E-E j. between exon(s) 21 and exons(s) 22 of EDEM3 | 0.0006 | 3.11 |
| SERPINB2 | EJ: AD | E-E j. between exon(s) 17 and exons(s) 19|20|21|22 of SERPINB2 | 0.0006 | 4.06 |
| NMT1 | EJ: AD | E-E j. between exon(s) 1|2|3|5 and exons(s) 6 of NMT1 | 0.0007 | 1.23 |
| EEF1E1andMUTEDandTXNDC5 | EJ: AD, AA | E-E j. between exon(s) 7 and exons(s) 9 of EEF1E1andMUTEDandTXNDC5 | 0.0007 | 1.28 |
| MYOF | EJ | E-E j. between exon(s) 41 and exons(s) 42 of MYOF | 0.0007 | 1.48 |
| WDR12 | EJ | E-E j. between exon(s) 17|18|19 and exons(s) 20 of WDR12 | 0.0007 | 1.52 |
| ZC3H11A | EJ: AA | E-E j. between exon(s) 77 and exons(s) 79|80 of ZC3H11A | 0.0007 | 1.60 |
| SARS | EJ | E-E j. between exon(s) 22 and exons(s) 23|24 of SARS | 0.0007 | 1.60 |
| OR7E38PandASNS | EJ | E-E j. between exon(s) 12|13 and exons(s) 14 of OR7E38PandASNS | 0.0007 | 1.73 |
| KIAA1009 | EJ | E-E j. between exon(s) 24|25 and exons(s) 26 of KIAA1009 | 0.0007 | 1.81 |
| CLIP1 | EJ: AD | E-E j. between exon(s) 38 and exons(s) 39 of CLIP1 | 0.0007 | 1.93 |
| NFX1 | EJ | E-E j. between exon(s) 32 and exons(s) 33 of NFX1 | 0.0007 | 2.00 |
| FOXP1 | EJ: ES(2), AA | E-E j. between exon(s) 1|2|3|4|5|6|7|8 and exons(s) 11|12 of FOXP1, skipping 2 exons | 0.0007 | 2.37 |
| XPR1andKIAA1614 | EJ | E-E j. between exon(s) 8 and exons(s) 9 of XPR1andKIAA1614 | 0.0007 | 2.38 |
| ALDH1L2 | EJ | E-E j. between exon(s) 12 and exons(s) 13 of ALDH1L2 | 0.0007 | 2.46 |
| MMP13 | EJ: ES(1) | E-E j. between exon(s) 1|2 and exons(s) 4 of MMP13, skipping 1 exon | 0.0007 | 2.69 |
| MMP13 | EJ | E-E j. between exon(s) 10 and exons(s) 11 of MMP13 | 0.0007 | 3.85 |
| CEP350 | EJ | E-E j. between exon(s) 50|51 and exons(s) 52|53|54 of CEP350 | 0.0008 | 1.54 |
| AARS | EJ | E-E j. between exon(s) 22 and exons(s) 23 of AARS | 0.0008 | 1.58 |
| KCMF1 | EJ | E-E j. between exon(s) 18 and exons(s) 19 of KCMF1 | 0.0008 | 1.59 |
| KDM2B | EJ: AD, AA | E-E j. between exon(s) 35|36 and exons(s) 38 of KDM2B | 0.0008 | 1.72 |
| STX6 | EJ: AD | E-E j. between exon(s) 14 and exons(s) 16 of STX6 | 0.0008 | 1.74 |
| RBM27 | EJ | E-E j. between exon(s) 12 and exons(s) 13 of RBM27 | 0.0008 | 1.75 |
| PSAT1 | EJ: AD | E-E j. between exon(s) 12 and exons(s) 14 of PSAT1 | 0.0008 | 2.15 |
| ARSK | EJ | E-E j. between exon(s) 12 and exons(s) 13 of ARSK | 0.0008 | 2.17 |
| CPEB4 | EJ | E-E j. between exon(s) 18|20 and exons(s) 21 of CPEB4 | 0.0008 | 2.37 |
| RB1CC1 | EJ | E-E j. between exon(s) 37 and exons(s) 38 of RB1CC1 | 0.0008 | 2.44 |
| HEATR3 | EJ | E-E j. between exon(s) 25|27 and exons(s) 28 of HEATR3 | 0.0008 | 2.54 |
| PIK3R2andIFI30 | EJ | E-E j. between exon(s) 16 and exons(s) 17 of PIK3R2andIFI30 | 0.0009 | 1.43 |
| STAM2 | EJ | E-E j. between exon(s) 17 and exons(s) 18 of STAM2 | 0.0009 | 1.50 |
| VPS8 | EJ | E-E j. between exon(s) 41 and exons(s) 42 of VPS8 | 0.0009 | 1.51 |
| INTS2 | EJ | E-E j. between exon(s) 13 and exons(s) 14 of INTS2 | 0.0009 | 1.69 |
| kimeri | IR | IR event of exon 4 of kimeri and the 3-prime intron region | 0.0009 | 1.75 |
| ITGA6 | EJ | E-E j. between exon(s) 22 and exons(s) 23 of ITGA6 | 0.0009 | 1.78 |
| LAMA3 | EJ | E-E j. between exon(s) 64 and exons(s) 65 of LAMA3 | 0.0009 | 1.87 |
| ITGA2 | EJ | E-E j. between exon(s) 30 and exons(s) 31 of ITGA2 | 0.0009 | 1.90 |
| PLEK2 | EJ | E-E j. between exon(s) 10 and exons(s) 11 of PLEK2 | 0.0009 | 2.16 |
| MICAL2 | EJ | E-E j. between exon(s) 30 and exons(s) 32|33|34 of MICAL2 | 0.0009 | 2.32 |
| CLIP1 | EJ: ES(1), AA | E-E j. between exon(s) 26 and exons(s) 29|30 of CLIP1, skipping 1 exon | 0.0009 | 2.64 |
| SLC25A13 | EJ: ES(1) | E-E j. between exon(s) 6|7 and exons(s) 9 of SLC25A13, skipping 1 exon | 0.0009 | 2.73 |
| LEPRE1 | EJ: AA | E-E j. between exon(s) 50|54 and exons(s) 56|57|58|59|60|61|62|63 of LEPRE1 | 0.001 | 0.65 |
| KIAA1586andZNF451 | EJ | E-E j. between exon(s) 58 and exons(s) 59 of KIAA1586andZNF451 | 0.001 | 1.30 |
| LAMC1 | EJ: AA | E-E j. between exon(s) 35 and exons(s) 37 of LAMC1 | 0.001 | 1.32 |
| VPS41 | EJ | E-E j. between exon(s) 38 and exons(s) 39 of VPS41 | 0.001 | 1.34 |
| GMEB1 | EJ | E-E j. between exon(s) 9 and exons(s) 10|11 of GMEB1 | 0.001 | 1.44 |
| RWDD4A | EJ: AA | E-E j. between exon(s) 8|9 and exons(s) 11 of RWDD4A | 0.001 | 1.45 |
| MDH2 | EJ | E-E j. between exon(s) 10 and exons(s) 11|12 of MDH2 | 0.001 | 1.46 |
| LAMB3 | EJ: AD, AA | E-E j. between exon(s) 9 and exons(s) 12 of LAMB3 | 0.001 | 1.60 |
| MYO1E | EJ | E-E j. between exon(s) 1|3 and exons(s) 4 of MYO1E | 0.001 | 1.65 |
| ZRANB3 | EJ: AA | E-E j. between exon(s) 5|6|7 and exons(s) 9 of ZRANB3 | 0.001 | 1.66 |
| USP9X | EJ | E-E j. between exon(s) 21|22 and exons(s) 23|24 of USP9X | 0.001 | 1.77 |
| BBS9 | EJ | E-E j. between exon(s) 10|11 and exons(s) 12|13 of BBS9 | 0.001 | 2.67 |
| PPP4C | EJ: AA | E-E j. between exon(s) 15|18 and exons(s) 20 of PPP4C | 0.0011 | 0.24 |
| GXYLT2andPPP4R2andEBLN2 | EJ: AD | E-E j. between exon(s) 42 and exons(s) 44|45 of GXYLT2andPPP4R2andEBLN2 | 0.0011 | 1.33 |
| RAD21 | EJ | E-E j. between exon(s) 13 and exons(s) 14 of RAD21 | 0.0011 | 1.33 |
| ACADM\_ | EJ: AD, AA | E-E j. between exon(s) 47 and exons(s) 49|50|51|52|53|54|55 of ACADM\_ | 0.0011 | 1.33 |
| TBPL1 | EJ: ES(1), AD | E-E j. between exon(s) 10|8 and exons(s) 12 of TBPL1, skipping 1 exon | 0.0011 | 1.38 |
| PCM1 | EJ | E-E j. between exon(s) 77 and exons(s) 78 of PCM1 | 0.0011 | 1.40 |
| TBC1D5 | EJ | E-E j. between exon(s) 19 and exons(s) 20 of TBC1D5 | 0.0011 | 1.41 |
| TTK | EJ | E-E j. between exon(s) 18 and exons(s) 19|20 of TTK | 0.0011 | 1.48 |
| TLN1 | EJ | E-E j. between exon(s) 33 and exons(s) 34 of TLN1 | 0.0011 | 1.49 |
| ME1 | EJ | E-E j. between exon(s) 10 and exons(s) 11 of ME1 | 0.0011 | 1.52 |
| CLPP | EJ: AD | E-E j. between exon(s) 11 and exons(s) 13 of CLPP | 0.0011 | 1.55 |
| PLK3 | EJ | E-E j. between exon(s) 8 and exons(s) 10|9 of PLK3 | 0.0011 | 1.60 |
| SARS | EJ: ES(2), AD, AA | E-E j. between exon(s) 37 and exons(s) 40 of SARS, skipping 2 exons | 0.0011 | 1.64 |
| ADAM9 | EJ: AD, AA | E-E j. between exon(s) 32 and exons(s) 35 of ADAM9 | 0.0011 | 1.77 |
| MICAL2 | EJ | E-E j. between exon(s) 35 and exons(s) 36 of MICAL2 | 0.0011 | 1.80 |
| HABP4 | EJ: AA | E-E j. between exon(s) 11|12 and exons(s) 14|15 of HABP4 | 0.0011 | 1.92 |
| GXYLT2andPPP4R2andEBLN2 | EJ: ES(3), AD | E-E j. between exon(s) 26 and exons(s) 30 of GXYLT2andPPP4R2andEBLN2, skipping 3 exons | 0.0011 | 1.95 |
| NSUN2 | EJ: AD, AA | E-E j. between exon(s) 10 and exons(s) 13 of NSUN2 | 0.0011 | 2.00 |
| MMP1 | EJ | E-E j. between exon(s) 6 and exons(s) 7 of MMP1 | 0.0011 | 2.81 |
| PER2 | EJ | E-E j. between exon(s) 10 and exons(s) 11|12 of PER2 | 0.0011 | 2.86 |
| FAM161A | IR | IR event of exon 9 of FAM161A and the 5-prime intron region | 0.0012 | 0.58 |
| LAMC1 | EJ: AA | E-E j. between exon(s) 41 and exons(s) 43 of LAMC1 | 0.0012 | 1.33 |
| MCRS1 | EJ: ES(1), AD, AA | E-E j. between exon(s) 32 and exons(s) 36 of MCRS1, skipping 1 exon | 0.0012 | 1.47 |
| TFAP4 | EJ: ES(2), AD | E-E j. between exon(s) 15 and exons(s) 19|20|21 of TFAP4, skipping 2 exons | 0.0012 | 1.48 |
| MYO1E | EJ | E-E j. between exon(s) 20 and exons(s) 21 of MYO1E | 0.0012 | 1.57 |
| TAOK3 | EJ | E-E j. between exon(s) 16 and exons(s) 17 of TAOK3 | 0.0012 | 1.57 |
| ATMIN | EJ: ES(4), AA | E-E j. between exon(s) 1|2 and exons(s) 8|9 of ATMIN, skipping 4 exons | 0.0012 | 1.67 |
| USP12 | EJ | E-E j. between exon(s) 2|3|4 and exons(s) 5|6 of USP12 | 0.0012 | 1.87 |
| CHUK | EJ | E-E j. between exon(s) 28 and exons(s) 29 of CHUK | 0.0012 | 1.88 |
| ETF1 | EJ | E-E j. between exon(s) 1|2|4|5|6 and exons(s) 7 of ETF1 | 0.0012 | 1.96 |
| ATP2C2 | EJ | E-E j. between exon(s) 22|23 and exons(s) 24 of ATP2C2 | 0.0012 | 2.09 |
| PSMC5 | EJ: AD, AA | E-E j. between exon(s) 40 and exons(s) 42 of PSMC5 | 0.0012 | 2.42 |
| MMP13 | EJ | E-E j. between exon(s) 5 and exons(s) 6 of MMP13 | 0.0012 | 2.96 |
| ZNF121 | EJ | E-E j. between exon(s) 6 and exons(s) 7 of ZNF121 | 0.0013 | 1.18 |
| MLX | EJ: AD | E-E j. between exon(s) 18|19 and exons(s) 23|24 of MLX | 0.0013 | 1.29 |
| CST3 | EJ | E-E j. between exon(s) 2|3|4|5 and exons(s) 6 of CST3 | 0.0013 | 1.39 |
| TALDO1 | EJ: ES(3), AD | E-E j. between exon(s) 1|2|4|5|6 and exons(s) 11|12 of TALDO1, skipping 3 exons | 0.0013 | 1.39 |
| PKM2 | EJ | E-E j. between exon(s) 18 and exons(s) 20|21 of PKM2 | 0.0013 | 1.41 |
| RUVBL1 | EJ | E-E j. between exon(s) 21 and exons(s) 22|23|24|25 of RUVBL1 | 0.0013 | 1.44 |
| TARS | EJ | E-E j. between exon(s) 44|46 and exons(s) 47|48|49|50|51|52 of TARS | 0.0013 | 1.51 |
| TIMP1 | EJ: AD, AA | E-E j. between exon(s) 14|17 and exons(s) 20|21|22 of TIMP1 | 0.0013 | 1.52 |
| LAMB1 | EJ | E-E j. between exon(s) 62 and exons(s) 63 of LAMB1 | 0.0013 | 1.90 |
| PLK3 | EJ | E-E j. between exon(s) 5|6 and exons(s) 7 of PLK3 | 0.0013 | 1.94 |
| MMP1 | EJ | E-E j. between exon(s) 1 and exons(s) 2 of MMP1 | 0.0013 | 2.40 |
| POLG | EJ | E-E j. between exon(s) 42 and exons(s) 43 of POLG | 0.0013 | 2.83 |
| KIF2AandIPO11andLRRC70 | EJ | E-E j. between exon(s) 34 and exons(s) 35 of KIF2AandIPO11andLRRC70 | 0.0014 | 1.20 |
| UBA6 | EJ | E-E j. between exon(s) 6 and exons(s) 7 of UBA6 | 0.0014 | 1.40 |
| EIF2S2 | EJ: AA | E-E j. between exon(s) 15|17 and exons(s) 21 of EIF2S2 | 0.0014 | 1.45 |
| MSMBandNCOA4 | IR | IR event of exon 72 of MSMBandNCOA4 and the 3-prime intron region | 0.0014 | 1.53 |
| SERPINB5 | EJ: AD | E-E j. between exon(s) 12 and exons(s) 14 of SERPINB5 | 0.0014 | 1.55 |
| MYOF | EJ | E-E j. between exon(s) 20 and exons(s) 21 of MYOF | 0.0014 | 1.63 |
| GARS | EJ | E-E j. between exon(s) 12 and exons(s) 13|14|15 of GARS | 0.0014 | 1.71 |
| RPLP0andGCN1L1 | EJ: AA | E-E j. between exon(s) 43 and exons(s) 44 of RPLP0andGCN1L1 | 0.0014 | 1.84 |
| LAMC2 | EJ | E-E j. between exon(s) 21 and exons(s) 22 of LAMC2 | 0.0014 | 1.85 |
| OR7E38PandASNS | EJ | E-E j. between exon(s) 14 and exons(s) 15 of OR7E38PandASNS | 0.0014 | 1.91 |
| GALK2 | EJ: ES(2) | E-E j. between exon(s) 38|39 and exons(s) 42 of GALK2, skipping 2 exons | 0.0014 | 1.93 |
| POLD1 | EJ: AA | E-E j. between exon(s) 27 and exons(s) 29 of POLD1 | 0.0014 | 2.32 |
| POLR1E | IR | IR event of exon 23 of POLR1E and the 3-prime intron region | 0.0014 | 2.80 |
| ruyumu | IR | IR event of exon 2 of ruyumu and the 5-prime intron region | 0.0014 | 3.97 |
| DDX41 | EJ: AD, AA | E-E j. between exon(s) 8 and exons(s) 10 of DDX41 | 0.0015 | 0.55 |
| BRD7 | EJ: AA | E-E j. between exon(s) 19 and exons(s) 22 of BRD7 | 0.0015 | 0.74 |
| EXT1 | EJ | E-E j. between exon(s) 9 and exons(s) 10 of EXT1 | 0.0015 | 1.21 |
| KIF5B | EJ | E-E j. between exon(s) 24 and exons(s) 25 of KIF5B | 0.0015 | 1.45 |
| NCKAP1 | EJ | E-E j. between exon(s) 34 and exons(s) 35 of NCKAP1 | 0.0015 | 1.47 |
| SMYD4 | EJ | E-E j. between exon(s) 14|15 and exons(s) 16 of SMYD4 | 0.0015 | 1.60 |
| PTEN | EJ | E-E j. between exon(s) 20 and exons(s) 21 of PTEN | 0.0015 | 1.63 |
| PIK3R4 | EJ | E-E j. between exon(s) 18|19 and exons(s) 20 of PIK3R4 | 0.0015 | 1.71 |
| IARS | EJ: ES(1) | E-E j. between exon(s) 2|3|4 and exons(s) 6 of IARS, skipping 1 exon | 0.0015 | 1.79 |
| BMPR1A | EJ | E-E j. between exon(s) 16 and exons(s) 17 of BMPR1A | 0.0015 | 1.85 |
| DIAPH2andRPA4 | EJ | E-E j. between exon(s) 40 and exons(s) 41|42 of DIAPH2andRPA4 | 0.0015 | 1.86 |
| CARS | EJ: ES(1), AD | E-E j. between exon(s) 19 and exons(s) 23 of CARS, skipping 1 exon | 0.0015 | 1.90 |
| XPOT | EJ: AD, AA | E-E j. between exon(s) 27 and exons(s) 30 of XPOT | 0.0015 | 1.94 |
| PCK2 | EJ: AA | E-E j. between exon(s) 36 and exons(s) 38 of PCK2 | 0.0015 | 2.06 |
| LARP1 | EJ | E-E j. between exon(s) 31 and exons(s) 32 of LARP1 | 0.0015 | 2.81 |
| TXNL1 | EJ | E-E j. between exon(s) 20 and exons(s) 21 of TXNL1 | 0.0016 | 0.28 |
| ATP13A3 | EJ | E-E j. between exon(s) 23 and exons(s) 24 of ATP13A3 | 0.0016 | 1.42 |
| vasyby | EJ | E-E j. between exon(s) 16 and exons(s) 17 of vasyby | 0.0016 | 1.48 |
| UTP11L | EJ | E-E j. between exon(s) 11 and exons(s) 12 of UTP11L | 0.0016 | 1.52 |
| ALDH3A2 | EJ: AA | E-E j. between exon(s) 18|22 and exons(s) 24 of ALDH3A2 | 0.0016 | 1.55 |
| SMARCC1 | EJ | E-E j. between exon(s) 30 and exons(s) 31 of SMARCC1 | 0.0016 | 1.75 |
| UBR3 | EJ: ES(2), AA | E-E j. between exon(s) 60 and exons(s) 64 of UBR3, skipping 2 exons | 0.0016 | 1.85 |
| CP110 | EJ | E-E j. between exon(s) 18 and exons(s) 19 of CP110 | 0.0016 | 1.86 |
| LAMC2 | EJ | E-E j. between exon(s) 13 and exons(s) 14 of LAMC2 | 0.0016 | 3.16 |
| TBPL1 | EJ: ES(1), AD, AA | E-E j. between exon(s) 16 and exons(s) 19|20|21 of TBPL1, skipping 1 exon | 0.0017 | 1.43 |
| ADAM9 | EJ | E-E j. between exon(s) 17 and exons(s) 18 of ADAM9 | 0.0017 | 1.45 |
| FUCA1 | EJ | E-E j. between exon(s) 5 and exons(s) 6 of FUCA1 | 0.0017 | 1.49 |
| EIF3AandSNORA19 | EJ | E-E j. between exon(s) 26 and exons(s) 27|28 of EIF3AandSNORA19 | 0.0017 | 1.51 |
| NUP205 | EJ | E-E j. between exon(s) 41|42 and exons(s) 43 of NUP205 | 0.0017 | 1.56 |
| MSN | EJ | E-E j. between exon(s) 25 and exons(s) 26 of MSN | 0.0017 | 1.56 |
| ALDH3A2 | EJ | E-E j. between exon(s) 23|24 and exons(s) 25|26 of ALDH3A2 | 0.0017 | 1.59 |
| LIPG | EJ: AD | E-E j. between exon(s) 13 and exons(s) 16 of LIPG | 0.0017 | 1.71 |
| CLIP1 | EJ | E-E j. between exon(s) 24 and exons(s) 25|26 of CLIP1 | 0.0017 | 1.77 |
| VEGFA | EJ: AA | E-E j. between exon(s) 6|9 and exons(s) 12|13 of VEGFA | 0.0017 | 1.88 |
| MADD | EJ | E-E j. between exon(s) 59 and exons(s) 60|61 of MADD | 0.0017 | 2.00 |
| ELAC2 | EJ | E-E j. between exon(s) 13|14|15 and exons(s) 16 of ELAC2 | 0.0017 | 2.32 |
| RAB7L1 | EJ: AD, AA | E-E j. between exon(s) 12 and exons(s) 15 of RAB7L1 | 0.0017 | 2.43 |
| ITGA6 | EJ | E-E j. between exon(s) 26 and exons(s) 27 of ITGA6 | 0.0017 | 2.44 |
| MYO1E | EJ | E-E j. between exon(s) 18 and exons(s) 19 of MYO1E | 0.0017 | 2.97 |
| CCDC77andB4GALNT3 | EJ: AD, AA | E-E j. between exon(s) 35|37 and exons(s) 39 of CCDC77andB4GALNT3 | 0.0017 | 3.31 |
| TPM3 | EJ: ES(5), AD, AA | E-E j. between exon(s) 1|10|11|12|13|3|4|6|8|9 and exons(s) 20|21 of TPM3, skipping 5 exons | 0.0018 | 1.40 |
| INPPL1 | EJ: AD, AA | E-E j. between exon(s) 24 and exons(s) 27 of INPPL1 | 0.0018 | 1.43 |
| IKBKAP | EJ: ES(1) | E-E j. between exon(s) 39 and exons(s) 41 of IKBKAP, skipping 1 exon | 0.0018 | 2.59 |
| BRD7 | EJ | E-E j. between exon(s) 10 and exons(s) 11|12 of BRD7 | 0.0019 | 1.30 |
| C20orf43 | EJ: AD | E-E j. between exon(s) 18 and exons(s) 19|20 of C20orf43 | 0.0019 | 1.45 |
| ITGA6 | EJ: AA | E-E j. between exon(s) 6 and exons(s) 8 of ITGA6 | 0.0019 | 1.58 |
| NOC2L | EJ: AD, AA | E-E j. between exon(s) 29 and exons(s) 31 of NOC2L | 0.0019 | 1.65 |
| SDHA | EJ | E-E j. between exon(s) 24|27|28|29 and exons(s) 30 of SDHA | 0.0019 | 1.70 |
| PSMC1 | EJ: AD, AA | E-E j. between exon(s) 19 and exons(s) 21 of PSMC1 | 0.0019 | 1.73 |
| EPRS | EJ: AD | E-E j. between exon(s) 30 and exons(s) 32 of EPRS | 0.0019 | 1.76 |
| CLIP1 | EJ | E-E j. between exon(s) 32 and exons(s) 33|34 of CLIP1 | 0.0019 | 2.04 |
| MMP13 | EJ | E-E j. between exon(s) 4 and exons(s) 5 of MMP13 | 0.0019 | 2.08 |
| ASCC3 | EJ | E-E j. between exon(s) 6 and exons(s) 7 of ASCC3 | 0.0019 | 3.04 |
| C6orf182 | EJ | E-E j. between exon(s) 42 and exons(s) 43|44|45|46 of C6orf182 | 0.002 | 1.52 |
| USP5 | EJ | E-E j. between exon(s) 14 and exons(s) 15 of USP5 | 0.002 | 1.63 |
| NBPF8 | EJ: AD, AA | E-E j. between exon(s) 35|36 and exons(s) 37|38 of NBPF8 | 0.002 | 1.68 |
| RNF20 | EJ | E-E j. between exon(s) 27 and exons(s) 28 of RNF20 | 0.002 | 1.87 |
| ABCG2 | EJ | E-E j. between exon(s) 13 and exons(s) 14 of ABCG2 | 0.002 | 2.09 |
| MYO1E | EJ | E-E j. between exon(s) 31|32 and exons(s) 33 of MYO1E | 0.002 | 2.52 |
| PRKDC | EJ | E-E j. between exon(s) 21 and exons(s) 22 of PRKDC | 0.002 | 3.16 |

(E-E j. = exon-exon junction, EJ=exon junction, ES=exon-skipping, AD=alternative donor, AA=alternative acceptor, IR=intron retention)