**Table S2. Genomic PCR primers used to amplify *MAD2L1BP* exons for Sanger sequencing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Region** | **F/R** | **Primer Sequence (5’ to 3’)** | **PCR Size (bp)** |
| P1 + Exon 1 | F | CCGAGTACTGTGTGTGTGTCC | 1362 |
| R | GCCAGCCTGGTAATAAAGCA |
| Exon 1 + Int | F | TAGCGCGGATCCTAGACAAC | 713 |
| R | GCTGTGAATTGAGCCCTAGC |
| Exon 2 | F | GTTGCAGTGAGCCAAGATCA | 558 |
| R | AGGGACCAGAGGTCAAAACAC |
| P2 +Exon 1a | F | AACTCCTGGCCTCGGCAC | 1554 |
| R | AGCGGATAAACGAATGGATG |
| Exon 1a + Exon 3 | F | AACTGAGCCGGAAGTGGAG | 919 |
| R | CCTCCCATCTAAGAGCCACA |
| Exon 4 | F | CCCTGCCTTGTTCTTCTCTC | 720 |
| R | GCCATCAGCCTATCAGGAAA |

P1 represents the promoter region upward the Exon 1, Int represents the intronic region downward the Exon 1 and P2 represents the promoter upward the Exon 1a. F represents forward primers and R represents reverse primers.

**Table S3. Primers for quantitative PCR analysis of *MAD2L1BP***

|  |  |  |  |
| --- | --- | --- | --- |
| **Region** | **F/R** | **Primer Sequence (5’ to 3’)** | **PCR Size (bp)** |
| Exon 1 | F | TAGCGCGGATCCTAGACAAC | 243 |
| R | GCCAGCCTGGTAATAAAGCA |
| Exon 2 | F | TGCCATGCCCAGTCAGACC | 172 |
| R | AGCTACTTGGGAGGCTGAGG |
| Exon 1a | F | AACTGAGCCGGAAGTGGAG | 217 |
| R | AGCGGATAAACGAATGGATG |
| Exon 3 | F | CAGGAAGGCTGCTGTCAGTT | 176 |
| R | CCTCCCATCTAAGAGCCACA |
| Exon 4 | F | TCCTCCACCTTCAGAACACTG | 138 |
| R | TAGCTCAATGAACCGCCACA |

**Table S4. Primers for quantitative PCR analysis of human peripheral blood samples**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene** | **F/R** | **Primer Sequence (5’ to 3’)** | **PCR Size (bp)** |
| *MAD2L1BP* | F | AGCATATCATGTATCAACGCCAG | 153 |
| R | CCAGGGCTTGTTGGCATTTC |
| *MAD2* | F | GGACTCACCTTGCTTGTAACTAC | 249 |
| R | GATCACTGAACGGATTTCATCCT |
| *GAPDH* | F | TCGGAGTCAACGGATTTGGT | 181 |
| R | TTCCCGTTCTCAGCCTTGAC |

**Table S5. Primers for minigene assay**

|  |  |
| --- | --- |
| **Primer name** | **Primer Sequence (5’ to 3’)** |
| Splice RT F | AACAGGTTTTGGACCTCGAG |
| Splice RT R | ACTGGACTAGTGGATCCGAG |