Table S2 Primers sequences used for PCR

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| **Name** | **Primers (5′ –3′)** |  |
| MAPT | Forward  Reverse | CCAAGTGTGGCTCATTAGGCA  CCAATCTTCGACTGGACTCTGT |
| BRD1(exo11) | Forward  Reverse | GTAATCAGTACCAAATGAGAAGGA  AAAGCCGATGGTGAAAC |
| CD44(exo15) | Forward  Reverse | CTCATTGCCCAGCGGACCCCAGACT  CACTGGGGGGGAATGCG |
| DAG1(exo4) | Forward  Reverse | AGGAAGAAACCGACGGAGCGAGGAC  CTGGGAGAGACAGTCGTAT |
| FGFR3(exo8) | Forward  Reverse | GTCACGGAAAGCTGGCGAAGCGAG  AGCGTCACAGCCGCCACAAC |
| MAP4K2(exo9) | Forward  Reverse | GCGTCGCCTCGCGTCGGCTCCGTAG  AGTTTGGGCGTCTGTAA |
| MAP2K5(exo13,14) | Forward  Reverse | GCCTTCATCCTACTCCTCTCGCCAC  AGTGCTAACTCCAAAATCA |
| MAPK3(exo3) | Forward  Reverse | GACTCCGTGAGACTCTGAGGTGCCG  TTCAATTTCAATGACTTCG |
| PYCR1(exo8) | Forward  Reverse | CTAGGTGCAGGTGCCTCGTGACGG  ATGCCTGGACCCTCTGG |
| ROBO1(exo22) | Forward  Reverse | GCACTAATAGTAATACAGATAACGG  TCCCTCCACTGATGACA |
| MAPT (exo12) | Forward  Reverse | GGACCGCCGAGACGCAGGACGCTTG  TCTCAGATTTTACTTCCACC |
| SIRT7(exo6) | Forward  Reverse | CTACCGTGTGAGGCGGAAGCAGAAG  GCGTCCCAGTTCAAAGG |
| GAPDH | Forward  Reverse | AATGGGCAGCCGTTAGGAAA  GCCCAATACGACCAAATCAGAG |
| PTBP1 | Forward  Reverse | GCTGTCATTTCCGTTTGC  GGGTCGGTTCCTGCTATT |