

| Primer | Sequence |
|---------------------------|---|
| huRB1-Sacl | 5'ccc ggg <u>gagctc</u> tgaggatctcaggaccttggtg |
| huRB1-miR144Mull | 5'ggg ccc <u>acgcgt</u> gc aaaa tttt ata aaac aag cac |
| huRB1-miR144Mull-mut | 5'ggg ccc <u>acgcgt</u> gc aaaa tttt ata aaac aag cac <u>tgtca</u> atatc |
| huRB1-miR199a*Mull | 5'ggg ccc <u>acgcgt</u> ca ttct gagg tat gaaa tct gttt |
| huRB1-miR199a*Mull-mut | 5'ggg ccc <u>acgcgt</u> ca ttct gagg tat gaaa tct gttt <u>gtcatc</u> tat ga |
| huPTEN-Sacl | 5'ccc ggg <u>gagctc</u> tgaatTTTTTTTatcaagaggat |
| huPTEN-miR144Mull | 5'ggg ccc <u>acgcgt</u> gtg caaa gggg tagg at gtg aac |
| huPTEN-miR144Mull-mut | 5'ggg ccc <u>acgcgt</u> gtg caaa gggg tagg at gtg aac <u>gtcat</u> tat cac |
| huPTEN-miR136Mull | 5'ggg ccc <u>acgcgt</u> aatta ttt ccttt ct gag ca ttcc |
| huPTEN-miR136Mull-mut | 5'ggg ccc <u>acgcgt</u> aatta ttt ccttt ct gag ca ttcc <u>gaggt</u> tt ccc |
| miR-199a* Realtime primer | 5' tacagtagtctgcacattggtt |
| miR-17-5p Realtime primer | 5'caaagtgcttacagtgcag |
| miR-328 Realtime primer | 5' ctggccctctctgcccttccgt |
| Human U6 primer forward | 5' gtgctcgcttcggcagcacatatac |
| Human U6 primer reverse | 5' aa aaa tat gg aa cgc ttc acga atttg |
| mo-Gapdh1F | 5' atg gtg aag gtc tgt gtg atc atc |
| mo-Gapdh250R | 5' tgg gtt ctc act cct gga aga agg |