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| **Table S14.** DNA sequences for pyrosequencing forward, reverse and sequencing primers. |
| **Gene** | **Probe ID** | **Forward primer**  | **Reverse primer (5' biotinylated)** | **Sequencing primer**  |
| ***CDKN1A*** | cg21091547 | 5'-GGAGTTATAGAAATAAAGGATGATAAGTAG-3' | 5'-TCCCTATAATTACAACAACTTTATTAACCA-3' | 5'-GGATGATAAGTAGAGAGT-3' |
| ***PDE7B*** | cg27306443 | 5'-TGTTTTTTTTTGTTTGTGGTAATTGATAG-3' | 5'-TCCCTAAATAAATAACACCACTTTTCTC-3' | 5'-GTAATTGATAGTATTTTTTAGTTTA-3' |
| ***SEPT9*** | cg19654743 | 5'-TTTTTTAGTGTGGGAGTGGT-3' | 5'-ACCAAACCCATCTCAATACC-3' | 5'-GTGTGGGAGTGGTTA-3' |
| ***IRS1*** | cg04751089 | 5'-GGAAAGAATAGGAAGGGGTAG-3' | 5'-ATTTAAACCCCTATACCAACATCAATTTCC-3' | 5'-GAATAGGAAGGGGTAGA-3' |
| ***HDAC7*** | cg20995304 | 5'-GAGTAGGAAGGAAAGAAGGTTAAGTTAG-3' | 5'-ACTAAAAACCCTTTTCACCAACAA-3' | 5'-TTTTTTGTTATTTTAAGTTTGAGTA-3' |
| ***THADA*** | cg01649611 | 5'-TTGGATTATAAATTTTTTGTATGGT-3' | 5'-AAAAAAATAACTCACCACCATCAATA-3' | 5'-GATTATAAATTTTTTGTATGGTTTG-3' |
| ***PTPRN2*** | cg15572489 | 5'-AGATATTAGGGAAGATTTATGATATTGATG-3' | 5'-ACCTCTAAATCCCTCTCTCC-3' | 5'-ATTAATTTTAATTAGTAGATTGTT-3' |