Table 1 Primer sequences used in MSP

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| Gene name | Primer name | Primer sequence | Band size (bp) |
| Dync1i1 | Dync1i1-MF\* | TATGAAGAAAAATATAGTAAGATACGG | 232 |
| Dync1i1-MR\* | ACGAACATTTCACATTTCGAA |
| Dync1i1-UF\* | TTTATGAAGAAAAATATAGTAAGATATGG | 235 |
| Dync1i1-UR\* | CACAAACATTTCACATTTCAAA |
| Slc1a4 | Slc1a4-MF | ATAAATTATTTTTTTTATGTTACGG | 216 |
| Slc1a4-MR | TTAATAATACATACCTATAATCCGAC |
| Slc1a4-UF | ATAAATTATTTTTTTTATGTTATGG | 216 |
| Slc1a4-UR | TTAATAATACATACCTATAATCCAAC |
| Xrcc6bp1 | Xrcc6bp1-MF | GTTAATGTGAGAGTTAGAATAGTATAGGAC | 110 |
| Xrcc6bp1-MR | AATTAATACAATATTTCGATACCGAT |
| Xrcc6bp1-UF | GTTAATGTGAGAGTTAGAATAGTATAGGAT | 110 |
| Xrcc6bp1-UR | AATTAATACAATATTTCAATACCAAT |
| TTR | TTR-MF | GGAATTTAAGATACGGTTTATATCGA | 106 |
| TTR-MR | AACACTCTTTCGAACATACTCGAC |
| TTR-UF | AGGAATTTAAGATATGGTTTATATTGA | 108 |
| TTR-UR | AAACACTCTTTCAAACATACTCAAC |

\*:-MF: forward primer sequence for the methylated reactions; -MR: reverse primer sequence for the methylated reactions;-UF: forward primer sequence for the unmethylated reactions; -UR: reverse primer sequence for the unmethylated reactions. Primer sequences are started from 5’ (left) to 3’ (right).