## Supplementary data. LDR probe sequence

| Probe name        | Probe sequence (5'-3')                    | Product length |
|-------------------|---|----------------|
| rs6701216_modify  | P-ATCCCCTCTATGCACCAAAAATACTTTTTTTTTTTTTTT |                |
|                   | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTFAM        |                |
| rs6701216_C       | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 154            |
|                   | TTTTCTAGAGCCAGGGCACCTGAGTTCAG             |                |
| rs6701216_T       | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 156            |
|                   | TTTTTCTAGAGCCAGGGCACCTGAGTTCAA            |                |
| rs4112788_modify  | P-TCTTTTAATTGTAGTCTAAAGGTTTTTTTTTTTTTTTTT |                |
|                   | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTFAM       |                |
| rs4112788_C       | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 162            |
|                   | TTTTTTTTTTCTGAGGCCATGTTTTTCTTTACCCG       |                |
| rs4112788_T       | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 164            |
|                   | TTTTTTTTTTTTCTGAGGCCATGTTTTTCTTTACCCA     |                |
| rs12023196_modify | P-TAGGTCCCGTGACAGGTGGTAACTGTTTTTTTTTTTTTT |                |
|                   | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTFAM     |                |
| rs12023196_C      | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 166            |
|                   | TTTTTTTTTTTTTGAGGACTTGCCTCCTGACACCCACG    |                |

| rs12023196_T     | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 168 |
|------------------|---|-----|
|                  | TTTTTTTTTTTTTTTGAGGACTTGCCTCCTGACACCCACA  |     |
| rs512208_modify  | P-CCCCAGAGCTTGGGGCACAGCCAGATTTTTTTTTTTTTT |     |
|                  | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTFAM      |     |
| rs512208_G       | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 170 |
|                  | TTTTTTTTTTTTTTTTCCGCCCTCGGAGCTAGGGCCACA   |     |
|                  | GC  |     |
| rs512208_T       | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 172 |
|                  | TTTTTTTTTTTTTTTTTTTCCGCCCTCGGAGCTAGGGCCA  |     |
|                  | CAGA                                      |     |
| rs4845454_modify | P-CCCTGCTGAGTCCTTTCTGAATTTGTTTTTTTTTTTTTT |     |
|                  | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTFAM    |     |
| rs4845454_C      | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 174 |
|                  | TTTTTTTTTTTTTTTTTTTTTCGACAAATGCATGAAATGA  |     |
|                  | GAATTG                                    |     |
| rs4845454_T      | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   | 176 |
|                  | TTTTTTTTTTTTTTTTTTTTTTTCGACAAATGCATGAAAT  |     |
|                  | GAGAATTA                                  |     |
| rs4085613_modify | P-GCAGTAAAAATAAATAGGCAGTTTGTTTTTTTTTTTTTT |     |
|                  | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTFAM    |     |

| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT    |  |  |
|--|--|--|
| TTTTTTTTTTTTTTTTTTTTTTTTTAGAAATCCTGAGTTC   |  |  |
| TTAGACTTT                                  |  |  |
| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT    | 180                                      |  |
| TTTTTTTTTTTTTTTTTTTTTTTTTTTAGAAATCCTGAGT   |  |  |
| TCTTAGACTTG                                |  |  |
| P-AAGGAAAAGGATGGGCAAGCTCCTTTTTTTTTTTTTTTT  |  |  |
| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTFAM       |  |  |
| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT    | 182                                      |  |
| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAACAC |  |  |
| ATAATGGAGAAAC                              |  |  |
| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT    | 184                                      |  |
| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAC   |  |  |
| ACATAATGGAGAAAA                            |  |  |
|  | TTAGACTTT  TTTTTTTTTTTTTTTTTTTTTTTTTTTTT |  |

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