| Coordinate | Sequence |
|---|---|
| 55413 | 5'-AACATTGACCCTGTCATGAGCA-3' |
| 55437 | 5'-FAM-CAGGGAATGCCAAACACTCCAACAGCT-3'-TAMRA |
| 55484 | 5'-GCATGTGATGTGGCCTCTTG-3' |
| 68324 | 5'-GGCCTCTTCACTGCATAGTTCA-3' |
| 68348 | 5'-FAM-ACCCAAGGCTCAGTACAGGCCCAAGAT-3'-TAMRA |
| 68400 | 5'-CTGCAAGCATGACTGGCATAG-3' |
| 71754 | 5'-GGAGTCCAGTAGCCCAGCTGT-3' |
| 71803 | 5'-FAM-CAATACCTATACGGGCTGCTGCCACCA-3'-TAMRA |
| 71823 | 5'-TGTCCACTCCCCTGCATGA-3' |
| 73894 | 5'-GCTGCAGGCACATTGAGGA-3' |
| 73914 | 5'-FAM-AGCAGCCCGCTCATGCTCTGAGA-3'-TAMRA |
| 73959 | 5'-GACAGAGAACCTGCTGGCTAGC-3' |
| 76052 | 5'-AGGTCACCCAGCTTGTCTCTGA-3' |
| 76075 | 5'-FAM-ACCTGTGCTCTTTCCCTAGCTTCCCTCG-3'-TAMRA |
| 76129 | 5'-CTTCCCTGTGTTAAGTGCTTTGAG-3' |
| 78595 | 5'-TCCTGGGTAGGCCTCTGCTA-3' |
| 78640 | 5'-FAM-CTATGCACCCTGAGGCCACCAG-3'-TAMRA |
| 78665 | 5'-ATGCCAGTATCCTCACCTGGTAGT-3' |
| 82248 | 5'-ATCAATGTGGCAGAGACAATGG-3' |
| 82273 | 5'-FAM-CCTGCCCGGACTCCTAGAGAACAC-3'-TAMRA |
| 82324 | 5'-CAGAGAGAGGATGTGCTGTGGAT-3' |
| 85870 | 5'-TTCTGACCTCACCTCAGCTAAGC-3' |
| 85894 | 5'-FAM-TCTTCCTCCTCTGAGAATCCGCCATG-3'-TAMRA |
| 85943 | 5'-TGTGTGGGCAGAGGACACA-3' |
| 87635 | 5'-CAGCTCTCCCAGAGCACAGAC-3' |
| 87657 | 5'-FAM-ATTACGGCAAACTCCAACTCCATCCACTG-3'-TAMRA |
| 87707 | 5'-CCCACTCGAGGAAATCCAAGT-3' |

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|---|---|
| 91109 | 5'-GTACAGAGTCAGAAAGGAAAGGACAA-3' |
| 91136 | 5'-FAM-TGGTACCACTGATTAGGACCTCTGACGCTG-3'-TAMRA |
| 91188 | 5'-GGCAAATAAACAGGATGGGAAA-3' |
| 96151 | 5'-GGGAGCTCACCCTTTCCAA-3' |
| 96173 | 5'-FAM-CCATTGGTACATCTGTCTCCCTATTGGCA-3'-TAMRA |
| 96223 | 5'-CCCAGACAGGGAGGACTAGGT-3' |
| 105216 | 5'-AACCCTGACTCAAAACAACAAAGTAA-3' |
| 105243 | 5'-FAM-ACCATCATCGCCCAGAGCAGAAGG-3'-TAMRA |
| 105293 | 5'-GGTTTCTGAGTTTCCTTATCTGCAA-3' |
| 109050 | 5'-TCTCCCTTAGGTAGAGTAGGAAACCA-3' |
| 109077 | 5'-FAM-ATGGGTGCCAGGCCTTATCTGTCCC-3'-TAMRA |
| 109121 | 5'-CCTTGGCCTGAGCAAGTGA-3' |
| 116320 | 5'-CAGTGGGCAAGAGCGATAGC-3' |
| 116341 | 5'-FAM-CTTGCCCTTACAGTCCCACCAAGCC-3'-TAMRA |
| 116387 | 5'-AGCCAGCAACAATGGGAATT-3' |
| 117166 | 5'-GCGTAGGTGCCATTAGAAGCTAGA-3' |
| 117201 | 5'-FAM-CCCTTGCATCTTAGTTACGGACAGTA-3'-TAMRA |
| 117247 | 5'-ACTGCCCTGGAGAGAATGCA-3' |
| 123301 | 5'-TGACCAAGGTAGGAGGATACTAACTTCT-3' |
| 123330 | 5'-FAM-CCCAAACTGCCATCACTGGAGACGTAGT-3'-TAMRA |
| 123383 | 5'-TTGCCCGGACACACTTCTTAC-3' |
| 128819 | 5'-GCTTCCACTCTGGTCATTCTCTAGAC-3' |
| 128873 | 5'-FAM-CAGGCCTAACCCATCTGGATCTGAGCAG-3'-TAMRA |
| 128896 | 5'-GGTGACTGCCTTGCAAATAGG-3' |
| 136205 | 5'-TGACCAAGGTAGGAGGATACTAACTTCT-3' |
| 136234 | 5'-FAM-CCCAAACTGCCATCACTGGAGACGTAGT-3'-TAMRA |
| 136287 | 5'-TTGCCCGGACACACTTCTTAC-3' |

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|---|---|
| 142181 | 5'-GGTTTGGCACAGACACAGTTATTT-3' |
| 142236 | 5'-FAM-TTCAGCCATCTGTGCATCAGAGGTATCCA-3'-TAMRA |
| 142264 | 5'-TATTGTCCTTCAGTTCCTAATTCATGG-3' |
| 142792 | 5'-GCCCACTTGGAACCTACTTCATT-3' |
| 142842 | 5'-FAM-AGGAACTCCAGACACCTTCTCCAGCCA-3'-TAMRA |
| 142866 | 5'-GCAGGGCAAGATGTGACAGAA-3' |
| 143487 | 5'-GCCTCCGAGGGTCATCAAC-3' |
| 143532 | 5'-FAM-ATGCAAACCTCTGTCAGTCCCACCCA-3'-TAMRA |
| 143563 | 5'-GAACTCAGGGCCTATCAGGAATCT-3' |
| 153457 | 5'-GGCCAAGCAGACCTGTCAA-3' |
| 153478 | 5'-FAM-ACCCTTCCCAACCAAGTGACCGTTCTC-3'-TAMRA |
| 153526 | 5'-GGGTCACCCAGTTACAGGCA-3' |
| 169583 | 5'-CTTGAAGCCATGGAAGAACAGAA-3' |
| 169607 | 5'-FAM-ACCGTTCGTGTCCAAAGCCCAGC-3'-TAMRA |
| 169660 | 5'-TCCCAGAGTAGAGTGAATACATGAACAC-3' |
| 182179 | 5'-GAAGAGATGCCCCTCCAGAAC-3' |
| 182203 | 5'-FAM-CTCCTTCCTGTATGATCCTGCCGTGTG-3'-TAMRA |
| 182254 | 5'-CTGGAGCTGATGGAGTGCTGT-3' |

**Controls**

| | |
|---|---|
| β-ActinCpG-F | 5'-CGGTGTGGGCATTTGATGA-3' |
| β-ActinCpG-Probe | 5'-FAM-AAGATGGACCTAATACGGCTTTTAACACCCG-3'-TAMRA |
| β-ActinCpG-R | 5'-CGTCTGGTTCCCAATACTGTGTAC-3' |
| HS2-β-F | 5'-CCCAGGCGGAGTCAATTCT-3' |
| HS2-β-Probe | 5'-FAM-CCACCCTGTGGGTGTGTTCAGCCTT-3'-TAMRA |
| HS2-β-R | 5'-TGTGCTCAAGCCTGATGCTG-3' |
| GATA-2(-2.8)-F | 5'-GCGATAATCTGGAAGGCAGAGAT-3' |
| GATA-2(-2.8)-Probe | 5'-FAM-AGAAACACCATTTATTCCGCGGCACTTT-3'-TAMRA |

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|---|---|
| GATA-2(-2.8)-R | 5'-GTTGTACAGGGCTGGGAATTG-3' |
| GAPDH-F | 5'-CAAGGCTGTGGGCAAGGT-3' |
| GAPDH-Probe | 5'-FAM-ACGGGAAGCTCACTGGCATGGC-3'-TAMRA |
| GAPDH-R | 5'-TCACCACCTTCTTGATGTCATCA-3' |

**Supplementary Table. Oligonucleotides used in real time PCR analysis.** The left column shows the coordinate for the first base of primers and Fam-Tamra labelled probes from mouse chromosome 11 according to the published sequence of mouse alpha-globin cluster (accession number AY016021). The identification of the external controls is also shown. On the right column is the corresponding sequence of the different oligonucleotides.