**Table S2.** List of pyrosequencing, PCR and/or Sanger sequencing primers. Score of pyrosequencing assay is also provided

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assay** | **Type** | **Forward 5'-3'** | **Reverse 5'-3'** | **Sequencing 5'-3'** | **Score** |
| *ABCA4*\_rs1762114 | Pyrosequencing | TGGGCTACTGTCCTCAGTTTG | (bio)AAGCCGGGCATAAAGGTAA | CCTCAGTTTGATGCAAT | 91 |
|  | PCR-Sanger | TCAAAATATGGGCTACTGTCCTCA | GTGGCCACAACAAAACATTTTTCA |  |  |
| *ABHD12*\_rs6107027 | Pyrosequencing | (bio)ACGCCTCCAGATGCCCTTATATT | CTGAAAATGGATGGCTCTTAGCTT | GGATGGCTCTTAGCTTCT | 98 |
|  | PCR-Sanger | TCCTGCCTACCTCTCAGTTCC | ACTTGCCACTGAAAATGGATGG |  |  |
| *BBS5*\_rs7589199 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *\*BEST1*\_rs149698 | Pyrosequencing | (bio)TGTGGACGCCTTCAAGTCTG | GGGGGAAGAACATGGGAGTG | GGGAGTGGGGCTGAG | 100 |
|  | PCR-Sanger | AACAGAACGTTAGGGGCCAG | TTCTGGGTGCTCCATCAAGG |  |  |
| *\*BEST1*\_1800009 | Pyrosequencing | AGCGATGGGGCCTTGATG | (bio)GGGGATCTCTGGCATATCCG | TCAAGTGAGGAGGAAAA | 91 |
|  | PCR-Sanger | TGGGGCCAAGAAAAGTTTTGA | GGGGATCTCTGGCATATCCG |  |  |
| *C3*\_rs17030 | Pyrosequencing | ACACTTGGGTGGAGCACTGG | (bio)CCGAGGTCCTGGCATTGTTT | GGGTGGAGCACTGGC | 91 |
|  | PCR-Sanger |  |  |  |  |
| *CC2D2A*\_rs4698387 | Pyrosequencing |  |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *CDHR1*\_rs4244947 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *CDHR1*\_rs4933980 | Pyrosequencing | TCTCATCCTGACCCCTCTGTCT | (bio)TGGGCTACCATGAAGGTGAGAGT | AGCTTCTTTTGCTTGG | 91 |
|  | PCR-Sanger | AACTTCCCTGGTACAACAAAGTC | GTGGTCTACGGATCTTGAGGG |  |  |
| *CDHR1*\_rs10509491 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *CDHR1*\_rs7895270 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *CDHR1*\_rs2279229 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *CNGB1*\_rs17821448 | Pyrosequencing | GGGTACTGACCTGGCTCATGAA | (bio)GTCCTCCGTGATGCTGTGAAC | GACCTGGCTCATGAA | 100 |
|  | PCR-Sanger | GCTAGGGGAAGTTGAGGGC | TCCTCCGTGATGCTGTGAAC |  |  |
| **Assay** | **Type** | **Forward 5'-3'** | **Reverse 5'-3'** | **Sequencing 5'-3'** | **Score** |
| *\*COL11A1*\_rs2229783 | Pyrosequencing | TCCCTCAATTCCCTGAAACAA | (bio)TTTACAAGTTCGGGCTGGATT | TCCCTGAAACAAGACAT | 99 |
|  | PCR-Sanger | GGTCCACCTGGTGAAGTCAT | GATGGCTGAGTTGCAGGTCT |  |  |
| *FLVCR1*\_rs10864027 | Pyrosequencing | (bio)TTACTCATGGTGAAAGGCTAAGTG | TCCTTGCAGTAATGAGTGAGTTTT | CCTCCCTGCTCTCTT | 89 |
|  | PCR-Sanger |  |  |  |  |
| *GRK1*\_rs9796035 | Pyrosequencing | poor assay. Score 69 |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *GRM6*\_rs11746675 | Pyrosequencing | AGGAACCCCTGTGATGTTCAAC | (bio)GTCGCCTGGTACTGGAAGATGTC | TGTTCAACGAGAACGG | 90 |
|  | PCR-Sanger | GACCACCGAGGATGACGGA | TCCAGTCTGAGGGTCTCTGCC |  |  |
| *GRM6*\_rs2067011 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *GRM6*\_rs2071246 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *IDH3B*\_rs5026920 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *INPP5E*\_rs1128874 | Pyrosequencing | exon edge |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *INPP5E*\_rs10870194 | Pyrosequencing |  |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *INPP5E*\_rs35763810 | Pyrosequencing | exon edge |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *MYO7A*\_rs2276288 | Pyrosequencing | CCAAGCAGCGTGGGGACT | (bio)GCGGTGGCATGGTGACAG | GACTTCCCCACCGAC | 93 |
|  | PCR-Sanger | TGCCAAGGGAGACCTCATCA | CCAGGCCACATACCACAATCT |  |  |
| *PRCD*\_rs5742903 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *PRCD*\_rs895157 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| *\*PROM1*\_rs3130 | Pyrosequencing | poor assay. Score 80 |  |  |  |
|  | PCR-Sanger |  |  |  |  |
| **Assay** | **Type** | **Forward 5'-3'** | **Reverse 5'-3'** | **Sequencing 5'-3'** | **Score** |
| (*\*PROM1\_*rs7686732) | Pyrosequencing | (bio)TTCGTTCAAAAGTGGAGTTGTT | CATGTTAGCTGCACTCCAATTAAT | CACTCCAATTAATGTTTATC | 90 |
|  | PCR-Sanger | TGCTGTTCGTTCAAAAGTGGAG | CATCCATGCTGGACACCAGA |  |  |
| *\*PRPH2*\_rs425876 | Pyrosequencing | (bio)ACCCCGAGGAATCTGAGAG | TTGCCCAGCTTCTTCACACTC | CAGGTCTCCGGCACG | 89 |
|  | PCR-Sanger | GTGACCATTACAATTGGGCTGC | CCCAGCTTCTTCACACTCTCC |  |  |
| *\*RP1*\_rs61739567 | Pyrosequencing | (bio)TTCTTGGGGTTAGAGGAAGAAGGT | CCCACAACTAACAATGATGTGTGC | TGTGTGCAAGAAATTCAT | 91 |
|  | PCR-Sanger | CAGTAACACATTTGACTTGATGGGT | TCTTGAGCCCTGGAATCTGT |  |  |
| *WFS1*\_rs1046319 | Pyrosequencing | n.a |  |  |  |
|  | PCR-Sanger |  |  |  |  |