|  |  |
| --- | --- |
| Supplementary Table S2. Primer sequences and PCR product sizes used in this study |  |
|  |  |  |  |
| 　 | forward | reverse | product size |
|  |  |  |  |
| CADM2 |  |  |  |
|  pyro-seq PCR | GTTTTGAGTTTGTTTTTGTGTTTGGTG | Bio-ATAACRACTCCCRAATACTCCRACTA | 105 |
|  sequencing primer | GGTGTTTCGTAGAGTTGT |  |  |
|  sequence to analyze | YGTYGTYGTYGTTGTYG |  |  |
|  |  |  |  |
| CAMTA1 |  |  |  |
|  pyro-seq PCR | GGGAAAAGTTTTAGYGTGTTAATGAG | Bio-TCCCAAACCRTCCAAACCAATCAAAA | 125 |
|  sequencing primer | GGAGYGTTTTTTTTATGA |  |  |
|  sequence to analyze | YGGTTAYGTTYGGGGGYG |  |  |
|  |  |  |  |
| CCDC8 |  |  |  |
|  pyro-seq PCR | GGGGGAAGGTGGGTTTTATTTTGG | Bio-CCCAAACAAACCRCCACCCAACT | 142 |
|  sequencing primer | GAGGAGGAATTTTTTGTT |  |  |
|  sequence to analyze | YGYGYGTTTTAYG |  |  |
|  |  |  |  |
| CRB3 |  |  |  |
|  pyro-seq PCR | TTTAGGTGAGTGATTAAATTTTTYGGG | Bio-ACTCAAATTCCTAATCCRTATCCCTC | 119 |
|  sequencing primer | GGGTYGGATTTATAGAA |  |  |
|  sequence to analyze | YGATYGAYGGATYG |  |  |
|  |  |  |  |
| EML1 |  |  |  |
|  pyro-seq PCR | GGTYGGGTTTAGTTTAGTGTGTGG | Bio-TATAACTAAAAAAACCRTCCTCCATAC | 104 |
|  sequencing primer | AGTTTAGTGTGTGGTGAG |  |  |
|  sequence to analyze | YGGYGGYGGYGYG |  |  |
|  |  |  |  |
| FZD8 |  |  |  |
|  pyro-seq PCR | GAAAGGAGTGYGGAAGGGTTTTGT | Bio-AACRAATAATCTAAAATCTCCCTTATAC | 130 |
|  sequencing primer | GGGTTTTGTTTAGGTTG |  |  |
|  sequence to analyze | YGGGTYGYGTYG |  |  |
|  |  |  |  |
| GPR180 |  |  |  |
|  pyro-seq PCR | TTGGTTTTTAGGTTTTAGAGTAGTAGG | Bio-CATACCCRTCTCCAAATCTACACC | 127 |
|  sequencing primer | ATTTYGTTTTTTTTAGTTGT |  |  |
|  sequence to analyze | YGAYGTGGGGYG |  |  |
|  |  |  |  |
| MPDU1 |  |  |  |
|  pyro-seq PCR | GAGAGATTGGYGGAAGTTAGTTTTGT | Bio-ACTCACCRTAAAACAAATCCCACTAAA | 138 |
|  sequencing primer | GTTAGTTTTGTAATATGG |  |  |
|  sequence to analyze | YGGTYGAGGYGGAYG |  |  |
|  |  |  |  |
| MST1R |  |  |  |
|  pyro-seq PCR | TYGGTTGAGYGTTAAGYGTTAGTGT | Bio-CCRACCCTCRAATCTAAACACCTAA | 112 |
|  sequencing primer | TTAAGCGTTAGTGTATAG |  |  |
|  sequence to analyze | YGGYGGTTGGGGYG |  |  |
|  |  |  |  |
| NEFH |  |  |  |
|  pyro-seq PCR | GGTTTCGCGTATTTGTTTAGGTTATGA | Bio-AATAAAAACTACCGCCGCCATACAAC | 99 |
|  sequencing primer | TTAGGTTATGATGAGTTT |  |  |
|  sequence to analyze | YGGYGGYGYGGAYGY |  |  |
|  |  |  |  |
| NRN1 |  |  |  |
|  pyro-seq PCR | GGATATTYGGTGTTTATTTTTGGGGTT | Bio-CCATACCCRCCCRCACACAAAACA | 102 |
|  sequencing primer | AAATTTTCGGGGTTTGGG |  |  |
|  sequence to analyze | YGTGTGYGYGYGTTYGYG |  |  |
|  |  |  |  |
| OCIAD2 |  |  |  |
|  pyro-seq PCR | AGATAGGTGGGGTATTYGGGAAGT | Bio-CCRAAACRAAAACTCACCTATATAATC | 133 |
|  sequencing primer | TATTYGGGAAGTTGGAG |  |  |
|  sequence to analyze | YGGGTYGGYG |  |  |
|  |  |  |  |
| PARP6 |  |  |  |
|  pyro-seq PCR | GGAGTAGGTYGTTAGGTTGTTGGTT | Bio-CAAACCAAAAAACRAAAACCRAACCTA | 155 |
|  sequencing primer | GGTTGTTGGTTAGGAG |  |  |
|  sequence to analyze | YGGGTTAYGTGTTATYG |  |  |
|  |  |  |  |
| PON3 |  |  |  |
|  pyro-seq PCR | GGTATTYGGGTYGTTTAGGTAAGTAG | Bio-TCCCCATAATCTCRAAATACCCAAC | 148 |
|  sequencing primer | GTTTAGGTAAGTAGGAGG |  |  |
|  sequence to analyze | YGTGTGYGGGYGGGGTYGAGYG |  |  |
|  |  |  |  |
| RAPGEF3 |  |  |  |
|  pyro-seq PCR | GAAYGGAATTGTGGGAGGTAAGGT | Bio-CRACTAAAAATATCTACCTCCTATTTC | 113 |
|  sequencing primer | TAAGGTAGYGGGATTTTT |  |  |
|  sequence to analyze | YGYGGGAAAGTYG |  |  |
|  |  |  |  |
| VIM |  |  |  |
|  pyro-seq PCR | ATTTTTTYGTTAAGGTAAGTYGATGGAT | Bio-CAAAAACRCAAAACTCAAACCTCRCC | 108 |
|  sequencing primer | AAGTYGATGGATAGAGG |  |  |
|  sequence to analyze | YGYGGGTYG |  |  |
|  |  |  |  |
| ZAR1 |  |  |  |
|  pyro-seq PCR | GAGYGGTTTATGGTTTTTTTGGYGTA | Bio-TACRCCTCCCCAACRAACACTATAC | 136 |
|  sequencing primer | TTTTGGCGTAGGTGGGGT |  |  |
|  sequence to analyze | YGGGTTTYGGGTYGYGYG |  |  |
|  |  |  |  |
| ZC3H13 |  |  |  |
|  pyro-seq PCR | AGTTATTTYGGGGGTTTTTYGTTAGTT | Bio-TCTATCCCCRCRCCTAAACCCAAA | 105 |
|  sequencing primer | AGTTAAGAGTYGGTTTT |  |  |
|  sequence to analyze | YGGGAGTYGYGYGYG |  |  |
|  |  |  |  |
| ZMYND10 |  |  |  |
|  pyro-seq PCR | AGAAAGYGTTGGGAATTTAAATATTATG | Bio-CCTAAACCCCRCCCCTAAAAATAAC | 110 |
|  sequencing primer | TTATGGYGATTGGTAGT |  |  |
|  sequence to analyze | YGYGTAGGYGAGGYG |  |  |
| 　 | 　 | 　 | 　 |
| Y=C or T, R=G or A |  |  |  |