|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 |  | |  | | |  |