**Table 1. Summary of PCR products and number of Illumina reads aligned for each CpG island studied**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PCR product | Length (bp) | #CpG | T Reads | Ca Reads |
| STK11 | 443 | 59 | 24050 | 36279 |
| PTEN | 438 | 57 | 5704 | 6147 |
| MET-1 | 258 | 40 | 23909 | 22260 |
| MET-2 | 282 | 24 | 775256 | 738751 |
| NFE2L2-1 | 237 | 20 | 337 | 187 |
| NFE2L2-2 | 233 | 36 | 98322 | 69172 |
| KEAP1-1 | 215 | 28 | 1533 | 1526 |
| KEAP1-2 | 181 | 18 | 809359 | 744181 |
| CTNNB1-1 | 214 | 22 | 195809 | 175086 |
| CTNNB1-2 | 172 | 36 | 56113 | 47358 |
| FGFR3-1 | 198 | 10 | 61834 | 58389 |
| FGFR3-2 | 247 | 52 | 28233 | 44704 |
| FBXW7 | 203 | 20 | 2958 | 2772 |
| PIK3CA-1 | 175 | 30 | 141784 | 131981 |
| PIK3CA-2 | 285 | 60 | 32522 | 9634 |
| MAP2K1-1 | 214 | 6 | 31852 | 22975 |
| MAP2K1-2 | 199 | 17 | 45349 | 22565 |
| EGFR-1 | 208 | 17 | 135042 | 80566 |
| EGFR-2 | 241 | 46 | 50172 | 37268 |
| ERBB2-1 | 268 | 46 | 39532 | 17938 |
| ERBB2-2 | 246 | 24 | 25729 | 16240 |
| ARID1A-1 | 358 | 46 | 37157 | 36329 |
| ARID1A-2 | 120 | 22 | 14002 | 6387 |
| CBL-1 | 650 | 145 | 1173 | 3745 |
| CBL-2 | 274 | 56 | 10773 | 9594 |
| ARID2-1 | 346 | 54 | 216472 | 58561 |
| ARID2-2 | 130 | 12 | 262008 | 254750 |
| ERCC2-1 | 247 | 22 | 48719 | 31427 |
| ERCC2-2 | 201 | 28 | 5279 | 1181 |
| EP300-1 | 187 | 24 | 34433 | 21379 |
| EP300-2 | 180 | 44 | 12620 | 8345 |
| NOTCH3 | 259 | 26 | 320072 | 262190 |
| NOTCH2 | 466 | 94 | 7209 | 6077 |
| ERCC1-1 | 259 | 22 | 536945 | 477879 |
| ERCC1-2 | 187 | 22 | 103036 | 93346 |
| RB1 | 441 | 89 | 45692 | 18105 |
| ABCA3-1 | 406 | 2 | 34039 | 27829 |
| ABCA3-2 | 313 | 40 | 16364 | 24719 |
| ABCA3-3 | 367 | 43 | 13424 | 16205 |
| PRDM14-1 | 343 | 26 | 198822 | 41791 |
| PRDM14-2 | 401 | 39 | 41885 | 31167 |
| PRDM14-3 | 442 | 69 | 14448 | 17588 |
| DAB2IP | 277 | 28 | 1531 | 2272 |
| RAB31-1 | 264 | 16 | 308870 | 235449 |
| RAB31-2 | 298 | 19 | 1399534 | 1126432 |
| Total |  |  | 6269906 | 5098726 |