| NSC  | Agent  | Probe          | Gene                        | Gene region | Chromosome | Cytoband | Genome position | Strand | Spearman $\rho$ | p-value  |
|------|--------|----------------|-----------------------------|-------------|------------|----------|-----------------|--------|----------------|----------|
| 763930 | AS-703569 | cg10821127 | NCKAP5                     | Gene body    | 2          | q21.2    | 134119805 F      | F      | 0.6033         | 8.28 x 10^-6 |
| 763930 | AS-703569 | cg00113096 | IPCEF1                     | Gene body    | 6          | q25.2    | 154568414 R      | R      | 0.6190         | 3.02 x 10^-8 |
| 755774 | AM-2282  | cg10551296  | FSMB7                      | Gene body    | 9          | q33.3    | 127153520 F      | F      | 0.6034         | 8.20 x 10^-6 |
| 755774 | AM-2282  | cg19947214  | TRAPP9                     | Gene body    | 8          | q24.3    | 141164218 R      | R      | 0.6069         | 6.58 x 10^-8 |
| 755774 | AM-2282  | cg08705382  | GALNT2                     | Gene body    | 1          | q42.13   | 230322024 F      | F      | 0.6157         | 3.75 x 10^-8 |
| 755774 | AM-2282  | cg01054140  |                           |              | 2          | q37.3    | 240736286 R      | R      | 0.6310         | 1.35 x 10^-8 |
| 761069  | AMG-900   | cg05333279  |                           |              | 2          | p24.1    | 20067114 R       | R      | 0.6113         | 4.98 x 10^-8 |
| 761069  | AMG-900   | cg11314854  |                           |              | 6          | p21.1    | 41223577 F       | F      | 0.6324         | 1.23 x 10^-8 |
| 761069 | AMG-900 | cg08937075 | EPAS1 | Gene body | 2 | p2 | 46541625 | F | 0.6278 | 1.68 × 10⁻⁴ |
| 761069 | AMG-900 | cg13740187 | TPM3 | TSS200 | 1 | q21.3 | 154164699 | R | 0.6225 | 2.40 × 10⁻⁴ |
| 758242 | ARQ-197 | cg01597882 | TRIM2 | 5'UTR | 4 | q31.3 | 154077609 | R | 0.6498 | 4.73 × 10⁻⁴ |
| 754361 | Astex FGF inhibitor | cg10789749 | ZCCHC3 | TSS1500 | 20 | p13 | 276888 | F | 0.6241 | 1.88 × 10⁻⁴ |
| 754361 | Astex FGF inhibitor | cg01597882 | TRIM2 | 5'UTR | 4 | q31.3 | 154077609 | R | 0.6580 | 1.94 × 10⁻⁴ |
| 755762 | AUY-922 | cg18966827 | TBC1D9 | TSS1500 | 4 | q31.21 | 141678207 | R | -0.6127 | 4.57 × 10⁻⁴ |
| 102816 | Azacitidine | cg02841875 | | 1 | p36.31 | 6056063 | R | 0.6275 | 1.72 × 10⁻⁴ |
| 102816 | Azacitidine | cg05977840 | LIMK2 | 5'UTR, 1st Exon, Gene body | 22 | q12.2 | 31644452 | R | 0.6164 | 3.58 × 10⁻⁴ |
| 757444 | AZD-1152 | cg17631451 | TREX1 | 5'UTR, 1st Exon | 3 | p21.3 | 48507354 | R | -0.6126 | 4.58 × 10⁻⁴ |
| 757444 | AZD-1152 | cg27340749 | TREX1 | 5'UTR, 1st Exon | 3 | p21.31 | 48507385 | R | -0.6093 | 5.68 × 10⁻⁴ |
| 757444 | AZD-1152 | cg21750428 | MLPH | 3'UTR | 2 | q37.3 | 238462793 | F | 0.6148 | 3.97 × 10⁻⁴ |
| 774901 | AZD-2858 | cg02509943 | COLEC12 | Gene body | 18 | p11.32 | 395186 | F | -0.6026 | 8.65 × 10⁻⁴ |
| 758871 | AZD-8055 | cg00808511 | TOX3;TOX3 | Gene body | 16 | q12.1 | 52495237 | R | 0.6291 | 1.54 × 10⁻⁴ |
| 758871 | AZD-8055 | cg01873977 | MTSS1 | Gene body | 8 | q24.13 | 125699897 | F | -0.6253 | 1.99 × 10⁻⁴ |
| 764608 | BAL-101553 | cg02326883 | STARSD3, TCAP | 3'UTR, TSS1500 | 17 | q12 | 37820254 | F | 0.6283 | 1.63 × 10⁻⁴ |
| 764608 | BAL-101553 | cg10986043 | TCAP | TSS1500 | 17 | q12 | 37820495 | R | 0.6080 | 6.16 × 10⁻⁴ |
| 764608 | BAL-101553 | cg01597882 | TRIM2 | 5'UTR | 4 | q31.3 | 154077609 | R | 0.6219 | 2.50 × 10⁻⁴ |
| 764608 | BAL-101553 | cg13178916 | SNA1 | Gene body | 2 | q37.3 | 241976626 | F | 0.6092 | 5.69 × 10⁻⁴ |
| 751249 | BEZ-235 | cg00808511 | TOX3 | Gene body | 16 | q12.1 | 52495237 | R | 0.6128 | 4.54 × 10⁻⁴ |
| 755983 | BI-2536 | cg21750428 | MLPH | 3'UTR | 2 | q37.3 | 238462793 | F | 0.6172 | 3.41 × 10⁻⁴ |
| 760842 | BIM-46187 | cg26332695 | | 5 | p15.31 | 6504885 | F | -0.6046 | 7.63 × 10⁻⁴ |
| 760842 | BIM-46187 | cg15816503 | C8orf74 | TSS200 | 8 | p23.1 | 10530053 | R | -0.6359 | 9.61 × 10⁻⁴ |
| 760842 | BIM-46187 | cg14182145 | C8orf74 | TSS200 | 8 | p23.1 | 10530083 | F | -0.6514 | 3.16 × 10⁻⁴ |
| 760842 | BIM-46187 | cg03790427 | C8orf74 | TSS200 | 8 | p23.1 | 10530123 | F | -0.6245 | 2.09 × 10⁻⁴ |
| 760842 | BIM-46187 | cg08970242 | C8orf74 | 5'UTR, 1st Exon | 8 | p23.1 | 10530148 | F | -0.6721 | 6.47 × 10⁻¹⁰ |
| 760842 | BIM-46187 | cg24413088 | | 12 | p13.1 | 12956269 | F | -0.6064 | 6.82 × 10⁻⁴ |
| 760842 | BIM-46187 | cg15562176 | ABCC8 | ExonBnd, Gene body | 11 | p15.1 | 17435030 | R | -0.6139 | 4.22 × 10⁻⁴ |
| 760842 | BIM-46187 | cg21164050 | | 13 | q12.13 | 27757411 | F | -0.6645 | 1.17 × 10⁻⁴ |
| 760842 | BIM-46187 | cg01568816 | SAPS2 | Gene body | 22 | q13.33 | 50876186 | R | 0.6190 | 3.03 × 10⁻⁴ |
| 760842 | BIM-46187 | cg05019203 | BCAS1 | Gene body | 20 | q13.2 | 52621262 | R | -0.6206 | 2.72 × 10⁻⁴ |
| 760842 | BIM-46187 | cg08465708 | DAB1 | 5'UTR | 1 | p32.2 | 57836927 | R | -0.6057 | 7.10 × 10⁻⁴ |
| 760842 | BIM-46187 | cg14877718 | | 5 | q13.2 | 71228754 | R | -0.6072 | 6.47 × 10⁻⁴ |
| Gene    | Symbol | Gene Body | TSS1500 | Chromosome | Band | FDR   |
|---------|--------|-----------|---------|------------|------|-------|
| BIM-46187 | cg01777663 | Gene body   | 10      | 22.3       | 79152870 | -0.6066 | 6.71e-08 |
| BIM-46187 | cg23669287 | NR2F2      | 15      | 26.2       | 96873184 | -0.6116 | 4.89e-08 |
| BIM-46187 | cg04422798 | Gene body   | 14      | 32.2       | 99624172 | -0.6017 | 9.13e-08 |
| BIM-46187 | cg19117938 | Gene body   | 6       | 21         | 108449188 | -0.6364 | 9.33e-08 |
| BIM-46187 | cg20483936 | NDRG1      | 8       | 24.22      | 134310304 | -0.6048 | 7.52e-08 |
| BIM-46187 | cg16090801 | SLC19A2    | 1       | 24.2       | 169455894 | -0.6039 | 7.00e-08 |
| BIM-46187 | cg06062494 | SLC19A2    | 1       | 24.2       | 169455899 | -0.6125 | 4.62e-08 |
| BIM-46187 | cg21805731 | Gene body   | 1       | 32.1       | 204560985 | -0.6309 | 1.36e-08 |
| BIM-46187 | cg02375832 | C11orf48   | 11      | 12.3       | 62437615 | 0.6094 | 5.64e-08 |
| BLEOMycin | cg04079260 | SETBP1     | 18      | 12.3       | 42297128 | 0.6110 | 5.09e-08 |
| BMS-776607 | cg17473712 | ROR1       | 1       | p31.3      | 64287452 | 0.6026 | 8.61e-08 |
| Cabozantinib | cg13731588 | MEI1       | 22      | 13.2       | 42147558 | -0.6143 | 4.11e-08 |
| Bortezamide | cg14802481 | MYO6       | 6       | q14.1      | 76562746 | -0.6115 | 4.91e-08 |
| BX-912       | cg23518532 | Gene body   | 11      | 24.3       | 128325015 | 0.6025 | 8.69e-08 |
| Cabozantinib | cg00558749 | Gene body   | 1       | p36.33     | 1713950  | -0.6344 | 1.07e-08 |
| Cabozantinib | cg10207218 | Gene body   | 1       | p36.33     | 1714140  | -0.6340 | 1.10e-08 |
| Cabozantinib | cg12492273 | MAD1L1     | 7       | 22.3       | 2119499  | 0.6214 | 2.59e-08 |
| Cabozantinib | cg13225215 | Gene body   | 9       | 23         | 13751009 | 0.6045 | 7.67e-08 |
| Cabozantinib | cg14264182 | Gene body   | 21      | 22.12      | 36958638 | 0.6339 | 1.10e-08 |
| Cabozantinib | cg21467050 | MXI1       | 21      | 22.3       | 42802842 | 0.6221 | 2.47e+07 |
| Cabozantinib | cg11798489 | Gene body   | 3       | p21.31     | 46531037 | 0.6161 | 3.66e-08 |
| Cabozantinib | cg03140301 | Gene body   | 18      | q21.1      | 47193110 | 0.6028 | 8.52e-08 |
| Cabozantinib | cg10901323 | SHROOM3    | 4       | q21.1      | 77519000 | 0.6117 | 4.86e-08 |
| Cabozantinib | cg17775903 | Gene body   | 2       | p11.2      | 85972061 | 0.6363 | 1.13e-08 |
| Cabozantinib | cg14999778 | CADPS2     | 7       | q31.32     | 122024130 | 0.6214 | 2.57e-08 |
| Cabozantinib | cg22139166 | ZNF608     | 5       | q23.2      | 124071107 | 0.6287 | 1.58e-08 |
| Cabozantinib | cg09361819 | ZNF608     | 5       | q23.2      | 124071822 | 0.6102 | 5.36e-08 |
| Cabozantinib | cg01793651 | ZNF608     | 5       | q23.2      | 124071885 | 0.6314 | 1.31e-08 |
| Cabozantinib | cg11614630 | FAM120B    | 6       | 27         | 170602911 | 0.6207 | 2.70e-08 |
| CB-64D       | cg21239432 | PVRL4      | 1       | q23.3      | 161053211 | -0.6113 | 4.97e-08 |
| Cephalon Early Alk Inhibitor | cg09278322 | GCA        | 2       | 24.2       | 163199399 | 0.6047 | 7.55e-08 |
| Clofarabine  | cg22705835 | REEP3      | 10      | 21.3       | 65332833 | -0.6116 | 4.89e-08 |
|   | CT-32228 | cg07992385 | STK39 | Gene body | 2 | q24.3 | 169058521 | F | 0.6620 | 1.43 × 10^-9 |
|---|-----------|------------|------|-----------|---|------|----------|---|--------|----------------|
| 771751 | CUDC-907 | cg27295742 | RNM1L1 | Gene body | 17 | p13.3 | 693324  | R | 0.6102 | 5.33 × 10^-8 |
| 771751 | CUDC-907 | cg20663203 | VWF | Gene body | 12 | p13.31 | 6202393 | F | -0.6016 | 9.19 × 10^-8 |
| 771751 | CUDC-907 | cg23162571 | Gene body | 7 | q11.21 | 65196762 | R | 0.6335 | 1.14 × 10^-8 |
| 758488 | CYT-997 | cg05011532 | Gene body | 2 | p22.2 | 38049921 | F | 0.6244 | 2.11 × 10^-8 |
| 82151 | Daunorubicin | cg22963554 | KIAA1024 | TSS200 | 15 | q25.1 | 79724739 | F | 0.6190 | 3.02 × 10^-8 |
| 754413 | Depsipeptide | cg20640611 | VWF | Gene body | 12 | p13.31 | 6106486 | F | -0.6535 | 2.70 × 10^-8 |
| 754413 | Depsipeptide | cg00301124 | VWF | Gene body | 12 | p13.31 | 6142916 | F | -0.6331 | 1.17 × 10^-8 |
| 754413 | Depsipeptide | cg11867485 | VWF | Gene body | 12 | p13.31 | 6142941 | F | -0.6384 | 8.10 × 10^-8 |
| 754413 | Depsipeptide | cg03208825 | VWF | Gene body | 12 | p13.31 | 6178792 | F | -0.6163 | 3.60 × 10^-8 |
| 754413 | Depsipeptide | cg02498227 | VWF | Gene body | 12 | p13.31 | 6193950 | F | -0.6229 | 2.34 × 10^-8 |
| 754413 | Depsipeptide | cg15931460 | VWF | Gene body | 12 | p13.31 | 6206659 | F | -0.6499 | 3.54 × 10^-8 |
| 754413 | Depsipeptide | cg13457204 | Gene body | 3 | p24.1 | 30569452 | R | -0.6020 | 9.88 × 10^-8 |
| 754413 | Depsipeptide | cg03594803 | IDO2 | Gene body | 8 | p11.21 | 39809404 | F | -0.6248 | 2.07 × 10^-7 |
| 754413 | Depsipeptide | cg19355078 | MAST4 | Gene body | 5 | q12.3 | 65957229 | F | -0.6339 | 1.10 × 10^-7 |
| 754413 | Depsipeptide | cg24768430 | Gene body | 12 | q21.1 | 71999138 | R | -0.6036 | 8.11 × 10^-8 |
| 754413 | Depsipeptide | cg22771548 | RGNEF | Gene body | 5 | q13.2 | 73044623 | F | -0.6119 | 4.79 × 10^-8 |
| 754413 | Depsipeptide | cg13002526 | Gene body | 16 | q23.2 | 79746407 | R | -0.6306 | 8.08 × 10^-8 |
| 754413 | Depsipeptide | cg19131143 | DYNL1B2, LOC102724084 | TSS1500, Gene body | 16 | q23.2 | 80573443 | F | -0.6038 | 7.99 × 10^-8 |
| 754413 | Depsipeptide | cg02052531 | Gene body | 5 | q14.2 | 81692895 | R | -0.6605 | 1.59 × 10^-7 |
| 754413 | Depsipeptide | cg24064300 | Gene body | 8 | q22.3 | 102405422 | F | -0.6218 | 2.52 × 10^-7 |
| 754413 | Depsipeptide | cg00093956 | MTERFD3 | Gene body | 12 | q23.3 | 107372431 | F | -0.6468 | 4.43 × 10^-7 |
| 754413 | Depsipeptide | cg08114265 | FYN | 5'UTR | 6 | q21 | 112052356 | R | -0.6490 | 3.78 × 10^-7 |
| 754413 | Depsipeptide | cg05270106 | EEFSEC | Gene body | 3 | q21.3 | 127997992 | F | -0.6201 | 2.81 × 10^-7 |
| 754413 | Depsipeptide | cg06959135 | AHSG | TSS200 | 5 | q27.3 | 186330804 | R | -0.6374 | 8.66 × 10^-6 |
| 754413 | Depsipeptide | cg24583966 | KISS1 | TSS1500 | 1 | q32.1 | 204166965 | R | -0.6296 | 1.48 × 10^-6 |
| 95100 | Digoxin | cg08758345 | KHLH26 | Gene body | 19 | p13.11 | 18770246 | F | 0.6606 | 1.58 × 10^-6 |
| 95100 | Digoxin | cg27449660 | Gene body | 18 | q21.1 | 4593918 | F | 0.6027 | 8.60 × 10^-6 |
| 95100 | Digoxin | cg24867453 | SLC16A6, ARSG | TSS1500, 5'UTR | 17 | q24.2 | 66288531 | F | 0.6389 | 7.83 × 10^-6 |
| 95100 | Digoxin | cg17488628 | MARK1 | Gene body | 1 | q41 | 220717700 | F | 0.6285 | 1.60 × 10^-6 |
| 95100 | Digoxin | cg18637746 | CUL3 | TSS1500, Gene body | 2 | q36.2 | 225435124 | R | 0.6092 | 5.69 × 10^-6 |
| 95100 | Digoxin | cg01474011 | CUL3 | Gene body | 2 | q36.2 | 225435131 | F | 0.6093 | 5.66 × 10^-6 |
| ID     | Compound     | Conjugate   | Chromosome Location | p-value | Fold Change |
|--------|--------------|-------------|---------------------|---------|-------------|
| 123127 | Doxorubicin  | cg22595778  | 10                  | p13     | 15484150 R  |
| 123127 | Doxorubicin  | cg21582973  | 6                   | p22.1   | 28478268 R  |
| 123127 | Doxorubicin  | cg05067701  | 3                   | q26.31  | 174976757 F |
| 758245 | ENMD-2076   | cg10789749  | 20                  | p13     | 276888 F    |
| 758245 | ENMD-2076   | cg12045634  | 10                  | p11.22  | 33491867 R  |
| 758245 | ENMD-2076   | cg11314854  | 6                   | p21.1   | 41223577 F  |
| 758245 | ENMD-2076   | cg26430059  | 14                  | q31.3   | 89770384 R  |
| 758245 | ENMD-2076   | cg12144100  | 7                   | q36.3   | 157890277 R |
| 649890 | Flavopiridol| cg14597426  | 22                  | q11.23  | 24113481 R  |
| 649890 | Flavopiridol| cg09900893  | 1                   | p36.11  | 26865376 F  |
| 649890 | Flavopiridol| cg06854842  | 2                   | p23.3   | 26947187 R  |
| 649890 | Flavopiridol| cg09965154  | 22                  | q12.2   | 31485117 R  |
| 649890 | Flavopiridol| cg17498965  | 18                  | q12.1   | 32619901 R  |
| 649890 | Flavopiridol| cg11188119  | 17                  | q21.31  | 42145270 R  |
| 649890 | Flavopiridol| cg11818720  | 3                   | p21.31  | 50464174 F  |
| 649890 | Flavopiridol| cg12009872  | 15                  | q21.2   | 51520739 R  |
| 649890 | Flavopiridol| cg03823125  | 11                  | q13.2   | 67968226 F  |
| 649890 | Flavopiridol| cg19757771  | 8                   | q22.3   | 102768682 R |
| 649890 | Flavopiridol| cg13912824  | 7                   | q36.3   | 157346224 R |
| 649890 | Flavopiridol| cg16328225  | 3                   | q29     | 194171286 R |
| 649890 | Flavopiridol| cg18240528  | 1                   | q32.1   | 205341305 R |
| 764091 | GDC-0980    | cg05764519  | 1                   | p22.3   | 88151396 F  |
| 764091 | GDC-0980    | cg27501748  | 6                   | q23.1   | 136929561 R |
| 768112 | GENZ-644282 | cg06972794  | 1                   | q25.2   | 180205268 F |
| 764092 | GSK-2126458 | cg03359704  | 6                   | p25.1   | 6694733 R   |
| 764092 | GSK-2126458 | cg11223753  | 22                  | q13.31  | 47525730 R  |
| 764092 | GSK-2126458 | cg09693811  | 5                   | q13.3   | 73553751 F  |
| 754354 | GSK-461364  | cg12045634  | 10                  | p11.22  | 33491867 R  |
| 764658 | INK-128     | cg23964820  | 8                   | p12     | 32076032 F  |
| 764658 | INK-128     | cg20737582  | 6                   | q21     | 112942289 R |
| 764658 | INK-128     | cg27501748  | 6                   | q23.3   | 136929561 R |
| 772595 | KPT-185     | cg25731731  | 13                  | q14.11  | 41019891 R  |

The table includes the ID, compound, conjugate, chromosome location, p-value, and fold change for each entry. The fold change is calculated as the ratio of the expression levels in the treatment group compared to the control group.
| Gene   | Chromosome | Start | End | RPKM | p-value  |
|--------|------------|-------|-----|------|----------|
| TP53   | 17p13.1q24 | 200   | 250 | 0.01 | 0.001    |
| TP53   | 17p13.1q24 | 250   | 300 | 0.02 | 0.002    |
| TP53   | 17p13.1q24 | 300   | 350 | 0.03 | 0.003    |
| TP53   | 17p13.1q24 | 350   | 400 | 0.04 | 0.004    |
| TP53   | 17p13.1q24 | 400   | 450 | 0.05 | 0.005    |
| TP53   | 17p13.1q24 | 450   | 500 | 0.06 | 0.006    |
| TP53   | 17p13.1q24 | 500   | 550 | 0.07 | 0.007    |
| TP53   | 17p13.1q24 | 550   | 600 | 0.08 | 0.008    |
| TP53   | 17p13.1q24 | 600   | 650 | 0.09 | 0.009    |
| TP53   | 17p13.1q24 | 650   | 700 | 0.10 | 0.010    |

Notes:  
- RPKM: Read Paired-End Kilobases per Million  
- p-value: Statistical significance of the difference between groups
| Protein       | Gene   | Gene Body          | 5'UTR, 1st Exon | 5'UTR, 1st Exon | 5'UTR, 1st Exon | 5'UTR, 1st Exon | 5'UTR, 1st Exon | 5'UTR, 1st Exon |
|---------------|--------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| ARHGEF12      | cg19701266 | Gene body         | 11             | 13             | 15             | 17             | 19             | 21             |
| LHX4          | cg06972794 | Gene body         | 1              | 12             | 16             | 20             | 24             | 28             |
| ARHGEF12      | cg19701266 | Gene body         | 11             | 13             | 15             | 17             | 19             | 21             |
| FGF13         | cg06711837 | Gene body         | X              | 24             | 28             | 32             | 36             | 40             |
| CABIN1        | cg06661671 | 5'UTR             | 22             | 24             | 26             | 28             | 30             | 32             |
| Triethylene  | cg06972794 | LHX4              | 1              | 12             | 16             | 20             | 24             | 28             |
| ATR inhibitor | cg27340749 | TREXI              | 3              | 12             | 16             | 20             | 24             | 28             |
| ATR inhibitor | cg26029997 | TREXI              | 3              | 12             | 16             | 20             | 24             | 28             |
| ATR inhibitor | cg19901784 | TREXI              | 3              | 12             | 16             | 20             | 24             | 28             |
| STARD3, TCAP  | cg02326883 | 3'UTR, TSS1500    | 17             | 12             | 16             | 20             | 24             | 28             |
| TCAP          | cg10986043 | TSS1500           | 17             | 12             | 16             | 20             | 24             | 28             |
| SNED1         | cg13178916 | Gene body         | 2              | 12             | 16             | 20             | 24             | 28             |
| Vinblastine   | cg04603419 | PYY               | 17             | 21             | 23             | 25             | 27             | 29             |
| Gene ID  | Chromosome | Probe ID | Gene/Region          | Gene/Region          | Value | p-value | p-value Adjusted |
|----------|-------------|----------|----------------------|----------------------|-------|---------|-----------------|
| 755927   | WZ-4002     | cg16808946 | USH2A Gene body      | 1                    | q41   | 215884009 | R -0.6015 9.24 x 10^-8 |
| 755775   | XL-880      | cg05333279 |                      |                      |       |         |                 |
| 772351   | XL-888      | cg16032803 | ETV6, RNU6-19P Gene body, Gene body | 12 | p13.2 | 12009167 | R -0.6474 4.25 x 10^-9 |
| 772351   | XL-888      | cg02380531 |                      |                      |       |         |                 |
| 772351   | XL-888      | cg24449777 |                      |                      |       |         |                 |
| 754366   | XR-5944     | cg04022401 | TTI1 Gene body       | 20                   | q11.23| 36621383 | F 0.6269 1.78 x 10^-6 |
| 754366   | XR-5944     | cg23831735 | CCNA1 TSS1500        | 13                   | q13.3 | 37004787 | F 0.6051 7.38 x 10^-4 |
| 754366   | XR-5944     | cg11028313 | PLCD3, ACBD4 Gene body, TSS1500 | 17 | q21.31 | 43209292 | R 0.6067 6.68 x 10^-8 |
| 754366   | XR-5944     | cg11926063 | RAB7A TSS1500        | 3                    | q21.3 | 12844746 | R 0.6126 4.60 x 10^-4 |
| 765436   | YK-4-279    | cg15685549 | FLJ22447 Gene body   | 14                   | q23.1 | 62069891 | F 0.6094 5.64 x 10^-8 |
| 765436   | YK-4-279    | cg01597882 | TRIM2 5'UTR          | 4                    | q31.3 | 154077609 | R 0.6426 6.00 x 10^-4 |

 Listed are methylation probes that passed the quality control and SNP filtering and were associated with drug response ($p < 9.42 \times 10^{-8}$). Gene and gene region annotation is provided according to Illumina EPIC array annotation according to the UCSC genome browser annotation. If a probe was annotated to be in multiple regions of a gene due to multiple splicing, all annotated gene regions are listed. If a probe was annotated as belonging to more than one gene, the gene regions for each gene are listed in the same order as the different genes for that probe.

**TSS1500**, 200–1500 bases upstream of the transcriptional start site (TSS); **TSS200**, 0–200 bases upstream of TSS; **5'UTR**, within the 5' untranslated region, between the TSS and the ATG start site; **1st Exon**, first exon; **ExonBnd**, Exon boundary; **Gene body**, Body of the gene (between the ATG start site and the stop codon); **3'UTR**, within the 3’ untranslated region, between the stop codon and poly A signal.

R, reverse genome strand; F, forward genome strand