Supplementary Table 1. Summary of 74 SNPs and chemotherapy response and survival.

| SNP ID[a] | Target Gene | miRNA | Alleles | CR (%) | MAF | HWE-P | P for response[b] | | | P for overall survival[c] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Dominant | Recessive | Codominant | Dominant | Recessive | Codominant |
| rs1047840 | EXO1 | hsa-miR-30e | GA | 97.77 | 0.22 | 0.17 | 0.001 | 0.38 | 0.002 | 0.04 | 0.62 | 0.07 |
| rs1653586 | CAMKK2 | hsa-miR-185 | GT | 99.68 | 0.09 | 0.08 | 0.002 | | 0.002 | 0.02 | | 0.02 |
| rs2295865 | SUPT16H | hsa-miR-186 | CA | 98.09 | 0.11 | 0.26 | 0.05 | 0.99 | 0.03 | 0.38 | 0.56 | 0.34 |
| rs11541557 | ARF1 | hsa-miR-92a | GT | 98.09 | 0.10 | 0.06 | 0.03 | | 0.03 | 0.46 | | 0.46 |
| rs6698826 | RAB3B | hsa-miR-27b | CA | 95.54 | 0.14 | 0.72 | 0.01 | 0.85 | 0.01 | 0.09 | 0.23 | 0.19 |
| rs3762158 | SUPT16H | has-miR-484 | GC | 93.95 | 0.12 | 0.27 | 0.05 | 0.99 | 0.04 | 0.43 | 0.58 | 0.39 |
| rs4705 | PDGFRL | hsa-miR-25 | CT | 98.73 | 0.47 | 0.41 | 0.87 | 0.04 | 0.27 | 0.69 | 0.73 | 0.64 |
| rs17445840 | CDH2 | hsa-miR-615-3p | CT | 98.73 | 0.04 | 0.52 | 0.26 | 0.99 | 0.23 | 0.04 | 0.19 | 0.03 |
| rs6934058 | CDC5L | hsa-miR-505 | TC | 97.77 | 0.41 | 0.46 | 0.26 | 0.80 | 0.53 | 0.04 | 0.26 | 0.05 |
| rs1056471 | HADHB | hsa-miR-99a | GC | 98.73 | 0.16 | 0.22 | 0.23 | 0.54 | 0.20 | 0.002 | 0.95 | 0.01 |
| rs296888 | HNRNPK | hsa-miR-615-3p | CT | 99.36 | 0.28 | 0.71 | 0.09 | 0.76 | 0.14 | 0.01 | 0.30 | 0.01 |
| rs3212986 | CD3EAP | hsa-miR-92a | GT | 98.09 | 0.27 | 0.24 | 0.59 | 0.90 | 0.64 | 0.02 | 0.45 | 0.03 |
| rs12449580 | AIPL1 | has-miR-3615 | CG | 98.41 | 0.39 | 0.29 | 0.82 | 0.49 | 0.84 | 0.04 | 0.05 | 0.01 |
| rs1318648 | ESPL1 | hsa-miR-149 | TG | 96.50 | 0.30 | 0.84 | 0.15 | 0.89 | 0.28 | 0.04 | 0.01 | 0.01 |
| rs2076345 | TCEB3 | hsa-miR-320b | CT | 93.63 | 0.25 | 0.17 | 0.46 | 0.41 | 0.35 | 0.04 | 0.76 | 0.10 |
| rs2228128 | POLR2A | has-miR-744 | TC | 93.63 | 0.06 | 0.28 | 0.93 | 0.41 | 0.79 | 0.05 | 0.97 | 0.02 |
| rs3217933 | CCND2 | hsa-miR-17 | TC | 99.68 | 0.09 | 0.68 | 0.28 | 0.99 | 0.43 | 0.59 | 0.004 | 0.39 |
| rs7654 | TPM3 | hsa-miR-615-3p | CA | 99.68 | 0.08 | 0.15 | 0.21 | 0.52 | 0.35 | 0.62 | 0.01 | 0.35 |
| rs2306409 | GTPBP4 | hsa-miR-16 | TC | 98.41 | 0.39 | 0.84 | 0.30 | 0.87 | 0.51 | 0.86 | 0.004 | 0.15 |
| rs7091596 | PARD3 | hsa-miR-93* | AT | 98.09 | 0.24 | 0.63 | 0.58 | 0.21 | 0.98 | 0.09 | 0.02 | 0.03 |
| rs2261988 | UHRF1 | has-miR-615-3p | CA | 98.41 | 0.15 | 0.16 | 0.71 | 0.70 | 0.86 | 0.09 | 0.06 | 0.04 |
| rs2290890 | SYK | hsa-miR-99b* | GA | 98.09 | 0.22 | 0.35 | 0.93 | 0.87 | 0.99 | 0.19 | 0.12 | 0.10 |
| rs9523 | NUP62 | hsa-miR-1914 | AG | 98.09 | 0.43 | 0.07 | 0.31 | 0.69 | 0.62 | 0.47 | 0.59 | 0.42 |
| rs20554 | EP300 | hsa-miR-23b | GA | 98.73 | 0.16 | 0.46 | 0.33 | 0.94 | 0.39 | 0.09 | 0.28 | 0.06 |
| rs40311 | GSPT1 | hsa-miR-183 | GC | 99.04 | 0.17 | 0.15 | 0.52 | 0.52 | 0.44 | 0.07 | 0.44 | 0.07 |
| rs3786362 | TYMS | hsa-miR-615-3p | TC | 93.63 | 0.15 | 0.51 | 0.21 | 0.64 | 0.21 | 0.95 | 0.30 | 0.77 |
| rs7195830 | CYBA | hsa-miR-320a | GA | 97.77 | 0.21 | 0.38 | 0.38 | 0.90 | 0.48 | 0.46 | 0.33 | 0.79 |
| rs1049910 | LMNB2 | hsa-miR-193b | CG | 99.04 | 0.31 | 0.60 | 0.38 | 0.71 | 0.61 | 0.09 | 0.18 | 0.06 |
| rs157705 | MAP3K7 | hsa-miR-1226* | GA | 97.45 | 0.33 | 0.26 | 0.15 | 0.14 | 0.08 | 0.65 | 0.15 | 0.77 |
| rs16830621 | MGAT5 | hsa-miR-769-5p | GA | 97.45 | 0.03 | 0.58 | 0.57 | | 0.57 | 0.81 | | 0.81 |
| rs2297441 | RTEL1 | hsa-miR-615-3p | GA | 97.13 | 0.28 | 0.91 | 0.27 | 0.26 | 0.70 | 0.19 | 0.34 | 0.15 |
| rs2589668 | MARCH6 | hsa-let-7b | CT | 97.45 | 0.26 | 0.65 | 0.78 | 0.68 | 0.69 | 0.59 | 0.61 | 0.84 |
| rs3826810 | LDLR | hsa-miR-92a | GA | 97.45 | 0.09 | 0.61 | 0.17 | 0.58 | 0.27 | 0.36 | 0.45 | 0.46 |
| rs4919551 | BTRC | hsa-let-7e | CG | 98.73 | 0.10 | 1.00 | 0.50 | 0.99 | 0.40 | 0.63 | 0.59 | 0.75 |
| rs6573 | RAP1A | hsa-let-7e | CA | 96.50 | 0.05 | 0.65 | 0.37 | 0.99 | 0.34 | 0.75 | 0.57 | 0.65 |
| rs1013062 | DEK | hsa-miR-96 | CT | 98.09 | 0.31 | 0.71 | 0.89 | 0.64 | 0.92 | 0.56 | 0.49 | 0.45 |
| rs1140034 | ADCK2 | has-let-7b | TC | 98.73 | 0.07 | 0.19 | 0.38 | | 0.38 | 0.39 | | 0.39 |
| rs11644 | TTL | hsa-miR-92a | AG | 99.04 | 0.41 | 0.00 | 0.21 | 0.99 | 0.24 | 0.14 | 0.80 | 0.14 |
| rs14235 | BCKDK | hsa-miR-92b | AG | 98.73 | 0.07 | 0.19 | 0.07 | | 0.07 | 0.41 | | 0.41 |
| rs16855615 | CCNT2 | hsa-miR-484 | GA | 98.73 | 0.27 | 0.95 | 0.70 | 0.09 | 0.31 | 0.63 | 0.68 | 0.58 |
| rs1965024 | SALL1 | hsa-miR-423-5p | TC | 98.41 | 0.32 | 0.80 | 1.00 | 0.49 | 0.75 | 0.33 | 0.89 | 0.53 |

| rs2230724 | JAK2 | hsa-miR-16 | GA | 99.36 | 0.40 | 0.62 | 0.30 | 0.94 | 0.45 | 0.15 | 0.36 | 0.14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs2230738 | ADCY9 | hsa-miR-877* | AG | 98.73 | 0.35 | 0.08 | 0.29 | 0.14 | 0.99 | 0.51 | 0.74 | 0.53 |
| rs3182911 | COPS3 | hsa-miR-484 | TC | 98.73 | 0.40 | 0.32 | 0.16 | 0.29 | 0.66 | 0.85 | 0.39 | 0.56 |
| rs3203733 | MTUS1 | hsa-miR-1296 | AG | 98.73 | 0.23 | 0.81 | 0.76 | 0.26 | 0.50 | 0.31 | 0.80 | 0.35 |
| rs3814026 | ANAPC1 | hsa-miR-744 | TC | 98.73 | 0.48 | 0.84 | 0.16 | 0.28 | 0.13 | 0.60 | 0.09 | 0.18 |
| rs4074826 | HIPK2 | hsa-miR-423-5p | CT | 98.73 | 0.17 | 0.72 | 0.52 | 0.38 | 0.40 | 0.55 | 0.78 | 0.54 |
| rs461155 | ETS2 | hsa-miR-149 | AG | 98.41 | 0.46 | 0.60 | 0.91 | 0.81 | 0.83 | 0.20 | 0.41 | 0.74 |
| rs5744857 | POLE | hsa-miR-92a | AG | 98.73 | 0.32 | 0.55 | 0.56 | 0.67 | 0.52 | 0.38 | 0.16 | 0.93 |
| rs7116130 | PSMD13 | hsa-miR-93* | AG | 98.41 | 0.22 | 0.07 | 0.23 | 0.29 | 0.17 | 0.52 | 0.73 | 0.51 |
| rs8444 | LASS2 | hsa-miR-20a | CT | 98.09 | 0.40 | 0.59 | 0.66 | 0.76 | 0.89 | 0.79 | 1.00 | 0.85 |
| rs1049434 | SLC16A1 | hsa-miR-615-3p | AT | 99.04 | 0.36 | 1.00 | 0.79 | 0.18 | 0.63 | 0.06 | 0.42 | 0.07 |
| rs1051709 | PTK7 | hsa-miR-193b | TC | 98.73 | 0.40 | 0.51 | 0.96 | 0.29 | 0.60 | 0.51 | 0.43 | 0.39 |
| rs1061157 | BMPR2 | hsa-miR-93* | GA | 99.04 | 0.06 | 0.97 | 0.21 | 0.99 | 0.19 | 0.66 | 0.93 | 0.69 |
| rs1111667 | ERO1LB | hsa-miR-106b* | AG | 99.04 | 0.29 | 0.24 | 0.47 | 0.46 | 0.38 | 0.86 | 0.51 | 0.87 |
| rs1707303 | PIK3R3 | hsa-miR-346 | GT | 99.04 | 0.30 | 0.22 | 0.20 | 0.79 | 0.25 | 0.46 | 0.52 | 0.39 |
| rs1803621 | GAPDH | hsa-miR-149 | CT | 98.41 | 0.50 | 0.00 | 0.48 | 0.81 | 0.51 | 0.82 | 0.63 | 0.87 |
| rs1805329 | RAD23B | hsa-miR-92a | CT | 98.09 | 0.19 | 0.15 | 0.64 | 0.46 | 0.51 | 0.94 | 0.70 | 0.84 |
| rs2288539 | NR2F6 | has-miR-196a | CT | 99.36 | 0.19 | 0.45 | 0.55 | 0.78 | 0.55 | 0.80 | 0.53 | 0.99 |
| rs4485435 | FASN | hsa-miR-326 | GC | 98.41 | 0.15 | 0.95 | 0.05 | 0.67 | 0.07 | 0.78 | 0.98 | 0.82 |
| rs1043805 | FKBP5 | hsa-miR-93* | TA | 98.09 | 0.18 | 0.33 | 0.98 | 0.92 | 0.95 | 0.16 | 0.97 | 0.21 |
| rs10467153 | DYRK2 | hsa-miR-378 | TC | 96.18 | 0.39 | 0.99 | 0.12 | 0.20 | 0.08 | 0.85 | 0.32 | 0.72 |
| rs11196251 | TCF7L2 | hsa-miR-324-5p | CT | 97.13 | 0.25 | 0.05 | 0.35 | 0.17 | 0.19 | 0.91 | 0.06 | 0.53 |
| rs2229534 | ACADS | hsa-miR-92a | GA | 99.36 | 0.21 | 0.93 | 0.61 | 0.17 | 0.35 | 0.71 | 0.45 | 0.95 |
| rs2854464 | ACVR1B | hsa-miR-182 | AG | 97.77 | 0.39 | 0.40 | 0.76 | 0.68 | 0.67 | 0.89 | 0.67 | 0.90 |
| rs3088440 | CDKN2A | hsa-miR-10b | GA | 97.77 | 0.10 | 0.18 | 0.38 | 0.99 | 0.33 | 0.41 | 0.98 | 0.44 |
| rs6089219 | CABLES2 | has-miR-106b* | TG | 97.77 | 0.31 | 0.09 | 0.49 | 0.83 | 0.68 | 0.18 | 0.90 | 0.31 |
| rs7081076 | SORBS1 | hsa-miR-320a | CA | 98.41 | 0.09 | 0.85 | 0.74 | 0.99 | 0.52 | 0.26 | 0.80 | 0.33 |
| rs989902 | PTPN13 | hsa-miR-186 | AC | 96.18 | 0.40 | 0.65 | 0.28 | 0.65 | 0.32 | 0.34 | 0.73 | 0.64 |
| rs1569238 | REPS1 | hsa-miR-193b | GA | 93.63 | 0.18 | 0.26 | 0.84 | 0.80 | 0.80 | 0.29 | 0.16 | 0.52 |
| rs2074216 | DVL2 | has-miR-484 | GA | 93.63 | 0.36 | 0.64 | 0.17 | 0.89 | 0.34 | 0.57 | 0.67 | 0.53 |
| rs2269529 | MYH9 | hsa-miR-1296 | CT | 93.63 | 0.41 | 0.41 | 0.44 | 0.96 | 0.57 | 0.61 | 0.47 | 0.98 |
| rs2279130 | ARRB1 | hsa-miR-92a | CT | 93.31 | 0.23 | 0.61 | 0.98 | 0.33 | 0.70 | 0.26 | 0.77 | 0.42 |
| rs9479 | PML | hsa-miR-378 | GA | 93.63 | 0.32 | 0.09 | 0.18 | 0.99 | 0.30 | 0.85 | 0.16 | 0.48 |

Abbreviation: CR, call rate; MAF, minor allele frequency; HWE, Hardy-Weinberg equilibrium.

[a]Information about SNPs and SNP ID were obtained from NCBI database (http://ncbi.nih.gov). The transcription start site was counted as +1 in reference sequences.

[b]P values were calculated by multivariate regression analysis, adjusted for age, sex, smoking status, stage, ECOG performance status, and chemotherapy regimen.

[c]P values were calculated using multivariate Cox proportional hazard models, adjusted for age, sex, smoking status, stage, ECOG performance status, TKI benefit, maintenance therapy, and chemotherapy regimen.