

Table S2. List of the 40 eRNAs with a significant correlation with their target gene in GBM.

| eRNA | KM | Target | cor | corPval |
|-------------|----------|---------|----------|----------|
| SLC44A3-AS1 | 0.035431 | SLC44A3 | 0.703909 | 0 |
| SLC44A3-AS1 | 0.035431 | CNN3 | 0.554292 | 0 |
| SLC44A3-AS1 | 0.035431 | F3 | 0.436655 | 4.75E-09 |
| PROX1-AS1 | 0.00902 | PROX1 | 0.525114 | 0 |
| MATN1-AS1 | 0.008756 | MATN1 | 0.450114 | 1.38E-09 |
| LINC02773 | 0.004334 | BATF3 | 0.537959 | 5.49E-14 |
| LINC01248 | 0.046692 | SOX11 | 0.508528 | 1.96E-12 |
| CYP1B1-AS1 | 0.037351 | CYP1B1 | 0.615817 | 0 |
| LINC01088 | 0.023801 | PAQR3 | 0.440499 | 3.37E-09 |
| LINC01088 | 0.023801 | NAA11 | 0.7209 | 3.14E-28 |
| LEF1-AS1 | 0.000246 | LEF1 | 0.602401 | 0 |
| ZBED3-AS1 | 0.036844 | PDE8B | 0.420478 | 1.92E-08 |
| ZBED3-AS1 | 0.036844 | ZBED3 | 0.494012 | 5.58E-12 |
| SPRY4-AS1 | 0.006354 | SPRY4 | 0.500407 | 0 |
| AC113346.1 | 0.042853 | MSX2 | 0.415599 | 2.12E-08 |
| LINC01574 | 0.003659 | SNCB | 0.508427 | 1.98E-12 |
| LINC01574 | 0.003659 | UNC5A | 0.4694 | 1.38E-10 |
| CHST12 | 0.018207 | IQCE | 0.537409 | 0 |
| AC083864.2 | 0.044705 | EEPD1 | 0.598241 | 1.10E-17 |
| AC003092.1 | 0.016754 | TFPI2 | 0.597939 | 1.15E-17 |
| AP003555.1 | 0.01921 | ANO1 | 0.539298 | 4.62E-14 |
| AL356215.1 | 0.014281 | CD44 | 0.664652 | 8.94E-23 |
| HOTAIR | 0.015604 | HOXC10 | 0.832982 | 1.59E-44 |
| HOTAIR | 0.015604 | HOXC11 | 0.911022 | 9.26E-66 |
| HOTAIR | 0.015604 | HOXC13 | 0.824268 | 7.36E-43 |
| HOTAIR | 0.015604 | HOXC6 | 0.671807 | 2.11E-23 |
| HOXC-AS3 | 0.004981 | HOTAIR | 0.795494 | 5.96E-38 |
| HOXC-AS3 | 0.004981 | HOXC11 | 0.820983 | 2.96E-42 |
| HOXC-AS3 | 0.004981 | HOXC13 | 0.728099 | 5.02E-29 |
| HOXC-AS3 | 0.004981 | HOXC6 | 0.739979 | 2.14E-30 |
| CRNDE | 0.003139 | IRX5 | 0.746936 | 0 |
| LINC00665 | 0.016429 | ZFP14 | 0.623337 | 0 |
| LINC00665 | 0.016429 | ZFP82 | 0.459271 | 5.69E-10 |
| LINC00665 | 0.016429 | ZNF146 | 0.495282 | 3.88E-12 |
| LINC00665 | 0.016429 | ZNF260 | 0.739541 | 0 |

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|----------------|----------|--------|----------|----------|
| ZNF337- AS1 | 0.006093 | NINL | 0.431535 | 7.46E-09 |
| AP001471.1 | 0.038946 | COL6A1 | 0.603759 | 4.60E-18 |
| AP001471.1 | 0.038946 | COL6A2 | 0.671878 | 2.08E-23 |
| AL021937.1 | 0.006565 | RFPL3 | 0.452123 | 7.65E-10 |
