Supplementary Table 1. The correlation between RCAN2 and TMB in pan-cancers in TCGA database

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| --- | --- | --- | --- |
| CancerType | cor | pValue | sig |
| LUAD | -0.27705 | 2.58E-10 | \*\*\* |
| THYM | -0.02469 | 0.791601 |  |
| KICH | 0.029227 | 0.817228 |  |
| LAML | 0.235098 | 0.063631 |  |
| ACC | -0.3072 | 0.005889 | \*\* |
| SARC | 0.044229 | 0.49985 |  |
| ESCA | -0.04348 | 0.585117 |  |
| TGCT | -0.03089 | 0.712285 |  |
| BLCA | -0.14366 | 0.003638 | \*\* |
| LUSC | -0.22336 | 6.21E-07 | \*\*\* |
| CESC | -0.06812 | 0.250861 |  |
| PRAD | -0.20866 | 3.84E-06 | \*\*\* |
| BRCA | -0.19995 | 3.06E-10 | \*\*\* |
| KIRP | -0.0652 | 0.278673 |  |
| UCS | -0.00742 | 0.956717 |  |
| LGG | -0.09515 | 0.03323 | \* |
| COAD | -0.19045 | 0.000137 | \*\*\* |
| HNSC | -0.26997 | 1.15E-09 | \*\*\* |
| CHOL | 0.073812 | 0.668779 |  |
| READ | -0.15302 | 0.079836 |  |
| SKCM | -0.0937 | 0.043426 | \* |
| UVM | -0.201 | 0.073815 |  |
| UCEC | -0.22403 | 2.14E-07 | \*\*\* |
| GBM | -0.07757 | 0.348705 |  |
| PCPG | 0.085156 | 0.259767 |  |
| STAD | -0.52348 | 2.79E-27 | \*\*\* |
| MESO | -0.31419 | 0.004804 | \*\* |
| THCA | -0.16014 | 0.000416 | \*\*\* |
| DLBC | -0.15339 | 0.363343 |  |
| PAAD | -0.45647 | 3.85E-09 | \*\*\* |
| LIHC | -0.29763 | 8.90E-09 | \*\*\* |
| OV | 0.129773 | 0.032398 | \* |
| KIRC | -0.23384 | 1.67E-05 | \*\*\* |