**Supplementary Table 2.**

Total 5-methylcytosine (m<sup>5</sup>C) contents (R) in DNA of glioblastoma (T98G, U138, U118), and non-neoplastic (HaCaT) cell lines after 3, 12, 24 and 48 hrs (T, time) of combined treatment with TMZ and VPA in given concentrations [μM]. Numeric data given in headings represent R, SD and p values respectively (one-tailed t-test, *p < 0.05, **p < 0.01, ***p < 0.001).

| T [h] | TMZ [μM] | VPA [μM] | T98G | U138 | U118 | HaCaT |
|-------|---------|----------|------|------|------|--------|
| 3     | 0       | 0        | 0.72±0.03 | 0.74±0.03 | 0.76±0.03 | 0.79±0.02 |
|       | 0       | 50       | 0.72±0.01 | 0.66±0.01 | 0.62±0.03 | 0.56±0.02 |
|       | 0       | 200      | 0.79±0.02 | 0.64±0.03 | 0.56±0.01 | 0.39±0.02 |
|       | 0       | 350      | 0.88±0.01 | 0.53±0.02 | 0.42±0.01 | 0.28±0.01 |
| 3     | 30      |          | 0.72±0.07 | 0.74±0.00 | 0.79±0.08 | 0.84±0.01 |
|       | 50      |          | 0.72±0.01 | 0.76±0.02 | 0.69±0.01 | 0.64±0.02 |
|       | 200     |          | 0.98±0.02 | 0.86±0.04 | 0.64±0.03 | 0.59±0.01 |
|       | 350     |          | 1.02±0.04 | 0.81±0.02 | 0.60±0.02 | 0.54±0.01 |
| 24    | 0       |          | 0.76±0.03 | 0.83±0.02 | 0.88±0.01 | 0.96±0.03 |
|       | 0       | 50       | 0.85±0.05 | 0.72±0.04 | 0.58±0.02 | 0.52±0.07 |
|       | 0       | 200      | 0.89±0.04 | 0.81±0.02 | 0.79±0.03 | 0.73±0.07 |
|       | 0       | 350      | 0.93±0.04 | 0.76±0.04 | 0.72±0.02 | 0.63±0.09 |
| 24    | 30      |          | 0.76±0.03 | 0.83±0.02 | 0.88±0.01 | 0.96±0.03 |
|       | 50      |          | 0.77±0.01 | 0.67±0.04 | 0.59±0.03 | 0.55±0.02 |
|       | 200     |          | 0.99±0.03 | 0.76±0.01 | 0.62±0.02 | 0.42±0.04 |
|       | 350     |          | 1.08±0.08 | 0.68±0.02 | 0.44±0.03 | 0.33±0.02 |
| 48    | 0       |          | 0.72±0.03 | 0.71±0.02 | 0.69±0.04 | 0.69±0.03 |
|       | 0       | 50       | 0.72±0.01 | 0.82±0.07 | 0.97±0.02 | 0.98±0.05 |
|       | 0       | 200      | 0.88±0.02 | 0.64±0.02 | 0.62±0.01 |
|       | 0       | 350      | 0.96±0.04 | 0.76±0.02 | 0.88±0.08 | 0.83±0.10 |
| 48    | 30      |          | 0.72±0.03 | 0.71±0.02 | 0.80±0.02 | 0.84±0.03 |
|       | 50      |          | 0.72±0.01 | 0.82±0.07 | 0.97±0.02 | 0.98±0.05 |
|       | 200     |          | 0.88±0.02 | 0.64±0.02 | 0.62±0.01 |
|       | 350     |          | 1.06±0.05 | 0.95±0.05 | 0.78±0.03 | 0.58±0.02 |

Note: *p < 0.05, **p < 0.01, ***p < 0.001.