|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table S1 |** Minimized signature for prediction of pemetrexed response | | | | |
| **ProbesetID** | **Gene Symbol** | **NR : R Ratio** | **NR Mean** | **R Mean** |
| 1554696\_s\_at | TYMS | 3.79 | 1.11 | -0.77 |
| 202589\_at | TYMS | 3.70 | 1.15 | -0.83 |
| 202954\_at | UBE2C | 3.19 | 1.04 | -0.79 |
| 201292\_at | TOP2A | 3.05 | 1.04 | -0.88 |
| 223381\_at | NUF2 | 3.04 | 0.93 | -0.74 |
| 204162\_at | NDC80 | 2.84 | 0.87 | -0.73 |
| 207828\_s\_at | CENPF | 2.79 | 0.97 | -0.80 |
| 210052\_s\_at | TPX2 | 2.77 | 1.04 | -0.79 |
| 204146\_at | RAD51AP1 | 2.74 | 0.86 | -0.64 |
| 222958\_s\_at | DEPDC1 | 2.73 | 0.80 | -0.67 |
| 218755\_at | KIF20A | 2.70 | 0.79 | -0.68 |
| 219918\_s\_at | ASPM | 2.67 | 0.93 | -0.75 |
| 203358\_s\_at | EZH2 | 2.65 | 0.87 | -0.70 |
| 201291\_s\_at | TOP2A | 2.63 | 1.05 | -0.85 |
| 204822\_at | TTK | 2.55 | 0.88 | -0.72 |
| 204962\_s\_at | CENPA | 2.54 | 0.88 | -0.68 |
| 219306\_at | KIF15 | 2.53 | 0.73 | -0.55 |
| 202107\_s\_at | MCM2 | 2.52 | 0.90 | -0.65 |
| 205053\_at | PRIM1 | 2.50 | 0.74 | -0.55 |
| 222680\_s\_at | DTL | 2.48 | 0.83 | -0.67 |
| 218039\_at | NUSAP1 | 2.39 | 0.79 | -0.68 |
| 204444\_at | KIF11 | 2.35 | 0.69 | -0.57 |
| 204023\_at | RFC4 | 2.27 | 0.85 | -0.65 |
| 39248\_at | AQP3 | 0.40 | -1.34 | 0.78 |
| 205624\_at | CPA3 | 0.35 | -1.18 | 0.75 |
|  |  |  |  |  |
| **NR: predicted non-responder to Pemetrexed** | | |  |  |
| **R: predicted responder to Pemetrexed** | | |  |  |