**Table S5.** Regression analysis of *EXO1* gene expression with pathway activation status in 198 breast tumor samples (GSE7390).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|    | **Slope**  | **Intercept**  | **p-value**  | **R-squared**  | **Adj.** **R squared**  |
| E2F1  | 0.83  | 7.37  | 7.25E-05  | 0.08  | 0.07  |
| MYC  | 1.49  | 7.38  | 1.13E-16  | 0.30  | 0.29  |
| E2F3  | 0.29  | 7.35  | 0.214  | 0.01  | 0.00  |
| RAS  | 0.71  | 7.39  | 0.001  | 0.05  | 0.05  |
| SRC  | -0.37  | 7.38  | 0.049  | 0.02  | 0.01  |
| ESR1 (Vantveer)  | -1.22  | 7.42  | 1.65E-20  | 0.36  | 0.35  |
| STAT3  | -0.42  | 7.36  | 0.049  | 0.02  | 0.01  |
| ESR1 (Yang)  | -1.12  | 7.45  | 4.40E-15  | 0.27  | 0.27  |
| TERT (Breast)  | 0.50  | 7.34  | 0.009  | 0.03  | 0.03  |
| TERT (T lymphocytes)  | 0.04  | 7.36  | 0.880  | 0.00  | 0.00  |
| TERT (HMEC)  | 1.47  | 7.46  | 2.90E-17  | 0.31  | 0.30  |
| GenIns (Breast)  | 0.83  | 7.35  | 8.31E-07  | 0.12  | 0.11  |
| GenIns (Bladder)  | 0.76  | 7.37  | 1.83E-06  | 0.11  | 0.11  |
| GenIns (Gastric)  | -0.09  | 7.36  | 0.623  | 0.00  | 0.00  |
| GenIns (Ewings Sarcoma)  | 1.60  | 7.44  | 7.94E-31  | 0.49  | 0.49  |
| NOTCH1  | -0.50  | 7.38  | 0.015  | 0.03  | 0.02  |
| NFKB  | 1.11  | 7.42  | 2.50E-10  | 0.19  | 0.18  |
| TP53  | -1.36  | 7.24  | 2.08E-14  | 0.26  | 0.25  |
| BRCA1  | -0.74  | 7.41  | 0.000  | 0.07  | 0.06  |
| TGFB1 (Hepatocytes)  | 1.23  | 7.38  | 6.37E-12  | 0.21  | 0.21  |
| TGFB1 (Pancreas)  | 0.85  | 7.36  | 1.66E-05  | 0.09  | 0.09  |
| AR (Prostate)  | -0.21  | 7.36  | 0.265  | 0.01  | 0.00  |
| AR (Breast)  | -0.70  | 7.36  | 0.001  | 0.05  | 0.05  |
| ERBB2 (Breast)  | 0.87  | 7.42  | 2.25E-05  | 0.09  | 0.08  |
| ERBB2 (Breast.HER2)  | 0.12  | 7.36  | 0.512  | 0.00  | 0.00  |
| EGFR1  | 1.52  | 7.39  | 1.18E-14  | 0.26  | 0.26  |