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| Supplementary for Figure 6b. Average Fold Change on Culture Day 4 in mESC treated with Topoisomerase inhibitors1. |
| Trt | K0143 | T  | Gsc  | Pou5f1  | Nanog  | Ttr  | Bmp4  | Gata4  | Myh7  | Abcg2  |
| Topotecan 15.8nM | 0 µM | 1.35±0.22 | 1.29±0.08 | -0.37±1.82 | -0.37±1.26 | 0.66±1.49 | -0.39±1.24 | -1.52±0.37 | -0.49±1.33 | -0.41±1.33 |
| Topotecan 50nM | 0 µM | 1.91±0.86 | -1.12±0.12 | 0.26±1.53 | -0.50±1.33 | -1.39±2.17 | 1.11±0.09 | -0.82±1.59 | -0.58±1.46 | 0.43±1.59 |
| Topotecan 158nM | 0 µM | 0.37±1.29 | -4.46±0.83 | -2.76±2.00 | -2.02±0.34 | -2.43±0.57 | 1.37±0.18 | -1.39±0.09 | -0.37±1.33 | -1.84±0.39 |
| Mitoxantrone 0.5nM | 0 µM | 1.48±0.44 | -2.17±0.13 | -1.37±0.34 | -1.48±0.11 | -0.31±2.19 | 1.14±0.04 | 0.58±1.47 | 0.34±1.36 | -0.46±1.36 |
| Mitoxantrone 1.6nM | 0 µM | -3.30±1.19 | -14.02±2.66 | -2.98±1.15 | -4.46±1.65 | -2.24±0.22 | 1.81±0.23 | 1.78±0.52 | 1.94±0.23 | -1.71±0.13 |
| Doxorubicin 4nM | 0 µM | -0.19±1.58 | -2.57±0.29 | -3.20±1.59 | -1.93±0.05 | -0.58±1.71 | 1.13±0.04 | -0.24±1.71 | -0.34±1.46 | -1.58±0.35 |
| Doxorubicin 12.7nM | 0 µM | -12.96±3.38 | -20.91±0.59 | -6.40±3.19 | -9.68±2.56 | -1.48±2.56 | 1.96±0.23 | 1.61±0.73 | 2.74±0.24 | -1.94±0.28 |
|  |  |  |  |  |  |  |  |  |  |  |
| Topotecan 15.8nM | 1 µM | 1.79±0.29 | 1.28±0.03 | 0.29±1.83 | -1.31±0.11 | -1.92±2.86 | 1.17±0.12 | -0.49±1.41 | -0.37±1.27 | -1.30±0.23 |
| Topotecan 50nM | 1 µM | 1.53±0.42 | -2.45±0.65 | -0.61±1.57 | -1.83±0.26 | -2.78±2.69 | 1.60±0.20 | 0.46±1.35 | 0.69±1.57 | -1.36±0.25 |
| Topotecan 158nM | 1 µM | -17.23±5.05 | -9.54±4.00 | -3.59±0.53 | -8.53±1.38 | -0.86±2.31 | 1.95±0.72 | 0.61±1.55 | 3.66±1.89 | -0.75±1.59 |
| Mitoxantrone 0.5nM | 1 µM | -5.21±3.32 | -13.87±3.56 | -4.48±3.53 | -4.92±2.05 | -2.36±1.15 | 1.39±0.15 | 1.33±0.15 | 1.99±0.43 | -2.29±0.74 |
| Mitoxantrone 1.6nM | 1 µM | no RNA | no RNA | no RNA | no RNA | no RNA | no RNA | no RNA | no RNA | no RNA |
| Doxorubicin 4nM | 1 µM | 0.40±1.50 | -2.35±0.31 | -1.87±1.21 | -2.16±0.42 | -1.57±0.36 | 0.42±1.28 | 0.21±1.75 | 0.34±1.17 | -1.66±0.51 |
| Doxorubicin 12.7nM | 1 µM | -10.06±5.39 | -16.42±4.27 | -8.52±2.74 | -10.26±1.89 | -0.55±1.45 | 1.55±0.12 | -0.51±1.41 | 2.93±0.61 | -3.08±0.49 |

1Values = mean±SD