

# S2 vs Drug Sensitivity

|                          | S2 |   | IC( $\Delta$ ) | P-val    | FDR      |
|--------------------------|----|---|----------------|----------|----------|
|                          | 1  | 0 |                |          |          |
| isoliquiritigenin        |    |   | -0.444(0.079)  | 2.33e-03 | 6.60e-01 |
| avicin D                 |    |   | -0.432(0.039)  | 2.74e-03 | 6.60e-01 |
| CAY10576                 |    |   | -0.358(0.044)  | 9.98e-03 | 9.87e-01 |
| BRD-K24690302            |    |   | -0.350(0.064)  | 1.13e-02 | 9.87e-01 |
| OSI-930                  |    |   | -0.341(0.041)  | 1.44e-02 | 9.87e-01 |
| SGX-523                  |    |   | -0.340(0.089)  | 1.45e-02 | 9.87e-01 |
| BRD-K42260513            |    |   | -0.330(0.074)  | 1.79e-02 | 9.87e-01 |
| neopeltolide             |    |   | -0.322(0.086)  | 2.11e-02 | 9.87e-01 |
| olaparib                 |    |   | -0.322(0.041)  | 2.11e-02 | 9.87e-01 |
| QW-BI-011                |    |   | -0.320(0.087)  | 2.21e-02 | 9.87e-01 |
| BMS-195614               |    |   | -0.319(0.085)  | 2.26e-02 | 9.87e-01 |
| BRD-K37390332            |    |   | -0.303(0.038)  | 3.15e-02 | 1.00e+00 |
| staurosporine            |    |   | -0.303(0.090)  | 3.16e-02 | 1.00e+00 |
| ML083                    |    |   | -0.301(0.090)  | 3.24e-02 | 1.00e+00 |
| A-804598                 |    |   | -0.299(0.081)  | 3.36e-02 | 1.00e+00 |
| ruxolitinib              |    |   | -0.296(0.026)  | 3.58e-02 | 1.00e+00 |
| ML031                    |    |   | -0.293(0.021)  | 3.83e-02 | 1.00e+00 |
| CHIR-99021               |    |   | -0.286(0.093)  | 4.34e-02 | 1.00e+00 |
| BRD-K51831558            |    |   | -0.286(0.056)  | 4.37e-02 | 1.00e+00 |
| myriocin                 |    |   | -0.285(0.097)  | 4.52e-02 | 1.00e+00 |
| belinostat               |    |   | 0.338(0.038)   | 1.26e-02 | 2.83e-01 |
| BRD-K27986637            |    |   | 0.338(0.099)   | 1.26e-02 | 2.83e-01 |
| serdemetan               |    |   | 0.341(0.018)   | 1.16e-02 | 2.83e-01 |
| BRD-K75293299            |    |   | 0.342(0.102)   | 1.15e-02 | 2.83e-01 |
| SCH-529074               |    |   | 0.355(0.034)   | 8.52e-03 | 2.56e-01 |
| cimetidine               |    |   | 0.360(0.093)   | 7.86e-03 | 2.52e-01 |
| afatinib                 |    |   | 0.363(0.016)   | 7.44e-03 | 2.52e-01 |
| cediranib                |    |   | 0.367(0.070)   | 6.74e-03 | 2.49e-01 |
| BRD-K96431673            |    |   | 0.367(0.116)   | 6.61e-03 | 2.49e-01 |
| VX-680                   |    |   | 0.369(0.118)   | 6.44e-03 | 2.49e-01 |
| ML029                    |    |   | 0.369(0.094)   | 6.40e-03 | 2.49e-01 |
| PF-4800567 hydrochloride |    |   | 0.372(0.053)   | 5.95e-03 | 2.49e-01 |
| gefitinib                |    |   | 0.377(0.022)   | 5.74e-03 | 2.49e-01 |
| lapatinib                |    |   | 0.379(0.020)   | 5.41e-03 | 2.49e-01 |
| BRD-K29086754            |    |   | 0.389(0.110)   | 3.95e-03 | 2.49e-01 |
| fulvestrant              |    |   | 0.393(0.142)   | 3.78e-03 | 2.49e-01 |
| skepinone-L              |    |   | 0.410(0.035)   | 2.83e-03 | 2.49e-01 |
| CIL55                    |    |   | 0.444(0.093)   | 1.50e-03 | 2.40e-01 |
| austocystin D            |    |   | 0.458(0.041)   | 1.04e-03 | 2.40e-01 |
| GSK-J4                   |    |   | 0.682(0.125)   | 4.16e-05 | 2.00e-02 |