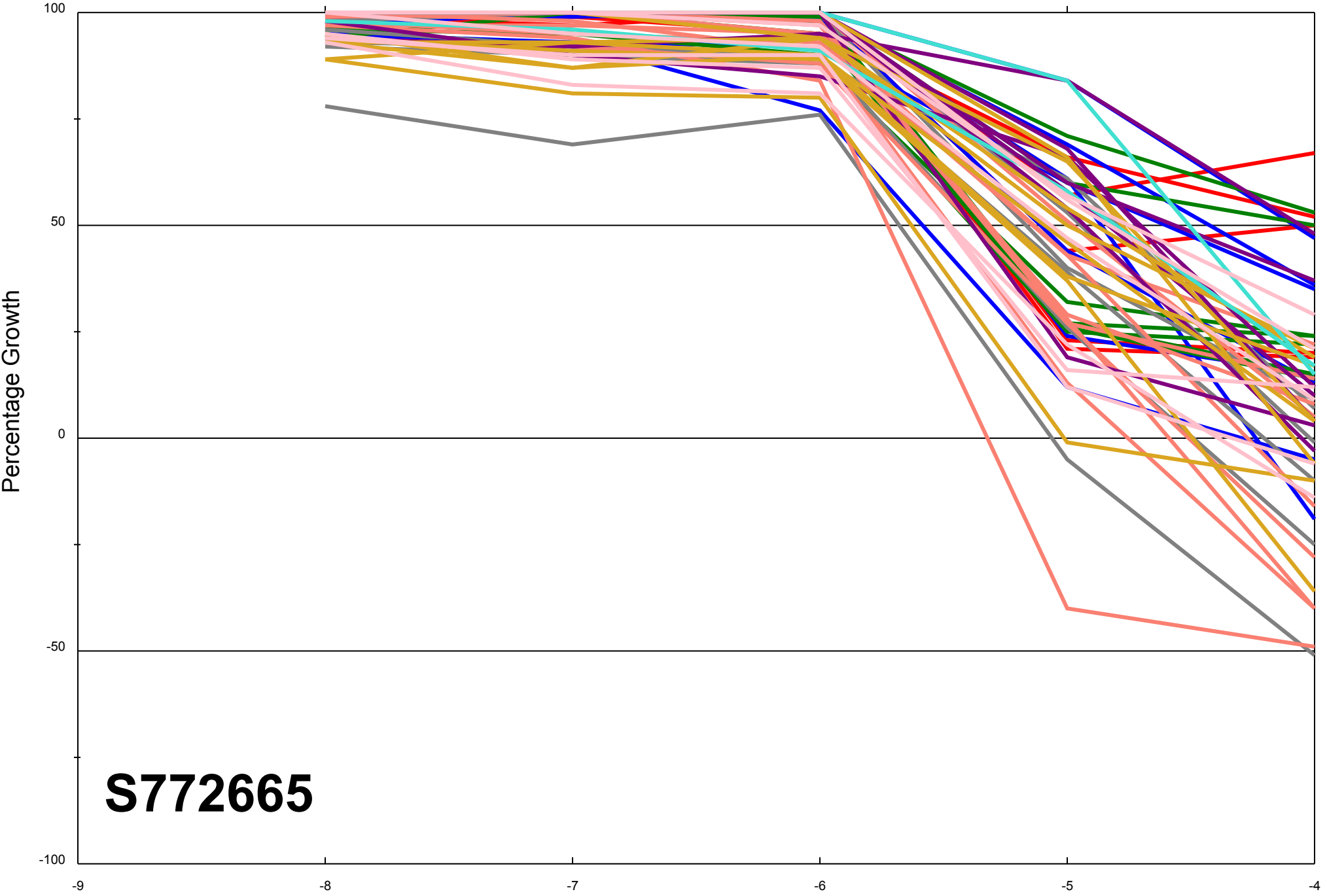


Dose Response Curves

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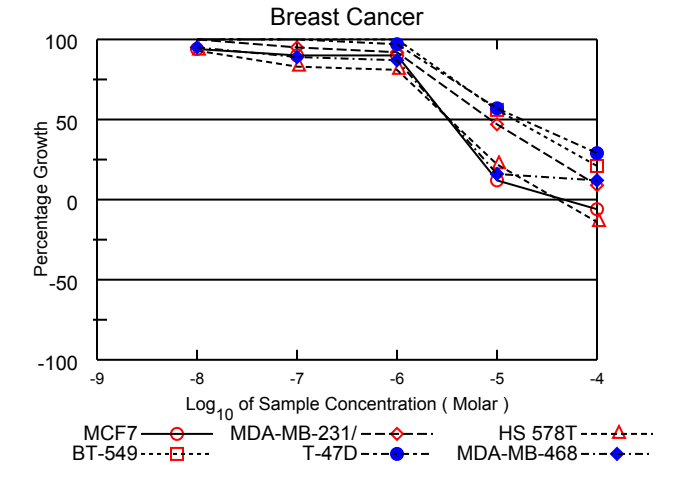
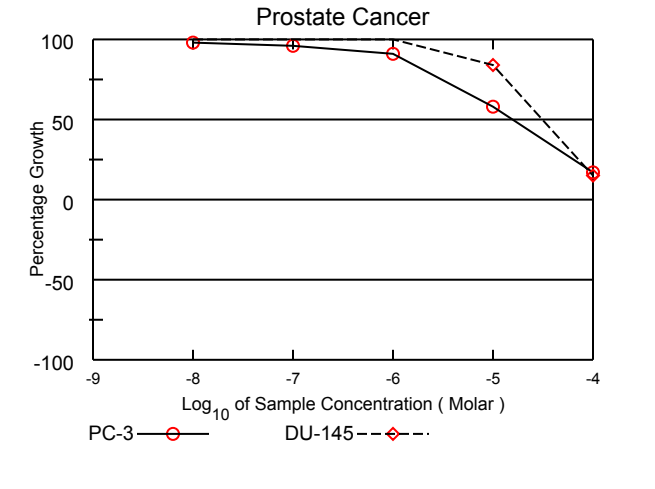
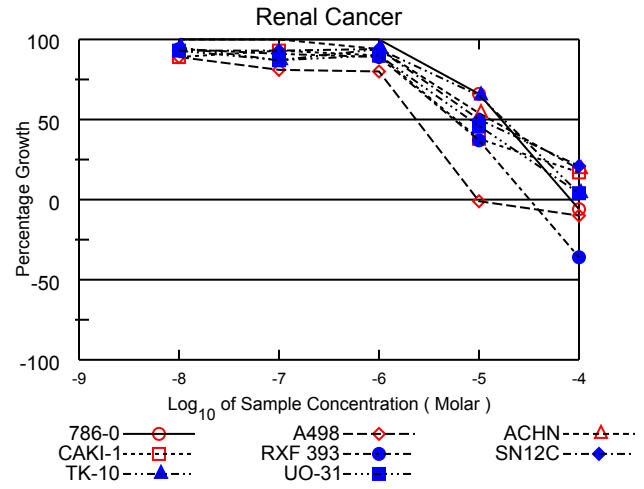
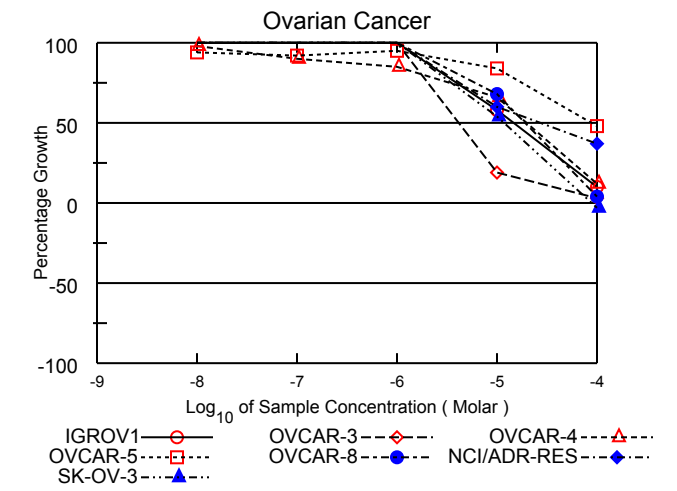
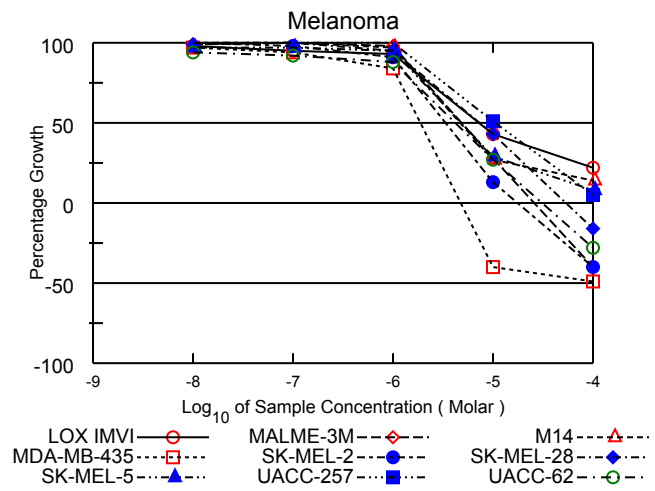
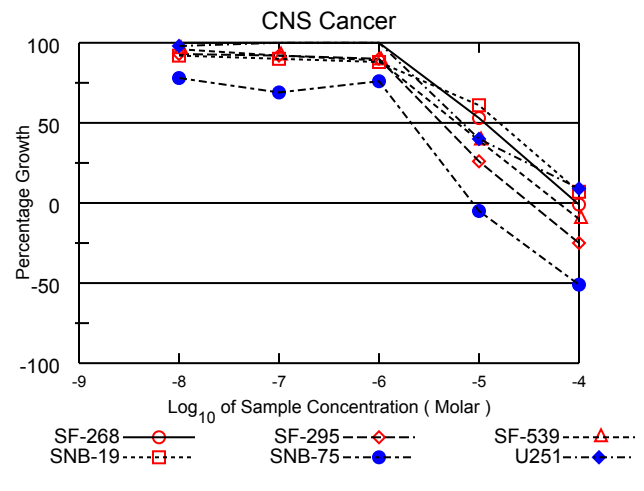
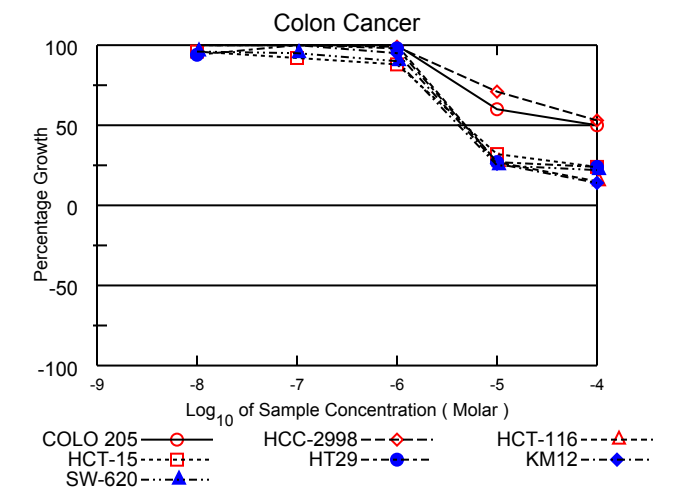
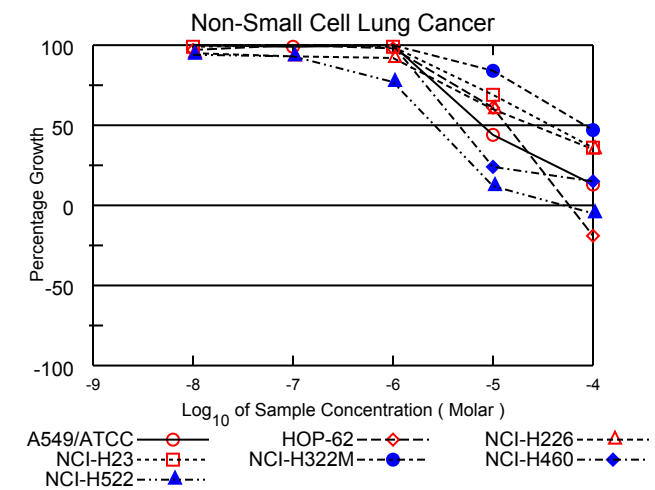
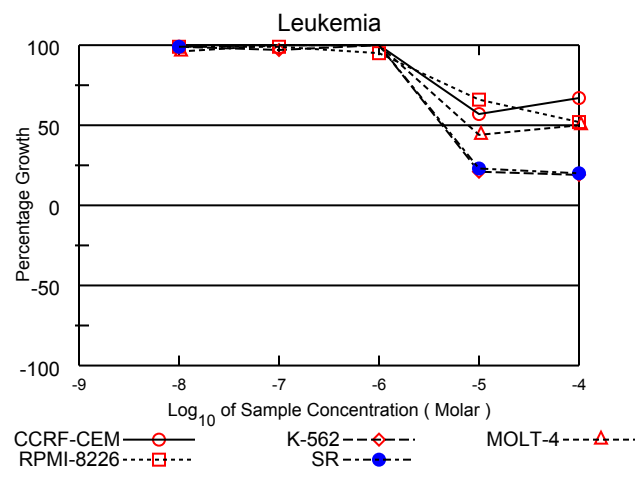
Test Date:May 13, 2013

All Cell Lines



**S772665**

Log<sub>10</sub> of Sample Concentration (Molar)



# National Cancer Institute Developmental Therapeutics Program In-Vitro Testing Results

|                                 |                                       |                |               |
|---------------------------------|---------------------------------------|----------------|---------------|
| NSC : 772665 / 1                | Experiment ID : 1305NS81              | Test Type : 08 | Units : Molar |
| Report Date : December 09, 2013 | Test Date : May 13, 2013              | QNS :          | MC :          |
| COMI : A3580/0151962 (126514)   | Stain Reagent : SRB Dual-Pass Related | SSPL : 0YAR    |               |

| Panel/Cell Line                   | Log10 Concentration |       |       |       |                        |       |       |                |      |      |      |      | GI50      | TGI       | LC50      |  |
|-----------------------------------|---------------------|-------|-------|-------|------------------------|-------|-------|----------------|------|------|------|------|-----------|-----------|-----------|--|
|                                   | Time Zero           | Ctrl  | -8.0  | -7.0  | Mean Optical Densities |       |       | Percent Growth |      |      |      |      |           |           |           |  |
|                                   |                     |       |       |       | -6.0                   | -5.0  | -4.0  | -8.0           | -7.0 | -6.0 | -5.0 | -4.0 |           |           |           |  |
| <b>Leukemia</b>                   |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| CCRF-CEM                          | 0.446               | 1.856 | 1.886 | 1.974 | 1.901                  | 1.256 | 1.391 | 102            | 108  | 103  | 57   | 67   | > 1.00E-4 | > 1.00E-4 | > 1.00E-4 |  |
| K-562                             | 0.161               | 1.630 | 1.618 | 1.585 | 1.686                  | 0.465 | 0.444 | 99             | 97   | 104  | 21   | 19   | 4.44E-6   | > 1.00E-4 | > 1.00E-4 |  |
| MOLT-4                            | 0.551               | 1.897 | 1.844 | 1.959 | 2.066                  | 1.143 | 1.228 | 96             | 105  | 113  | 44   | 50   |           | > 1.00E-4 | > 1.00E-4 |  |
| RPMI-8226                         | 0.787               | 2.619 | 2.602 | 2.604 | 2.521                  | 2.003 | 1.732 | 99             | 99   | 95   | 66   | 52   | > 1.00E-4 | > 1.00E-4 | > 1.00E-4 |  |
| SR                                | 0.256               | 1.039 | 1.035 | 1.076 | 1.043                  | 0.434 | 0.417 | 99             | 105  | 100  | 23   | 20   | 4.45E-6   | > 1.00E-4 | > 1.00E-4 |  |
| <b>Non-Small Cell Lung Cancer</b> |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| A549/ATCC                         | 0.392               | 1.589 | 1.644 | 1.572 | 1.591                  | 0.915 | 0.548 | 105            | 99   | 100  | 44   | 13   | 7.74E-6   | > 1.00E-4 | > 1.00E-4 |  |
| HOP-62                            | 0.547               | 1.237 | 1.219 | 1.241 | 1.224                  | 0.967 | 0.443 | 97             | 101  | 98   | 61   | -19  | 1.37E-5   | 5.77E-5   | > 1.00E-4 |  |
| NCI-H226                          | 0.897               | 1.687 | 1.649 | 1.633 | 1.622                  | 1.370 | 1.173 | 95             | 93   | 92   | 60   | 35   | 2.50E-5   | > 1.00E-4 | > 1.00E-4 |  |
| NCI-H23                           | 0.782               | 2.241 | 2.225 | 2.236 | 2.225                  | 1.791 | 1.311 | 99             | 100  | 99   | 69   | 36   | 3.82E-5   | > 1.00E-4 | > 1.00E-4 |  |
| NCI-H322M                         | 0.777               | 1.656 | 1.692 | 1.663 | 1.653                  | 1.513 | 1.192 | 104            | 101  | 100  | 84   | 47   | 8.39E-5   | > 1.00E-4 | > 1.00E-4 |  |
| NCI-H460                          | 0.256               | 2.606 | 2.637 | 2.635 | 2.597                  | 0.811 | 0.604 | 101            | 101  | 100  | 24   | 15   | 4.50E-6   | > 1.00E-4 | > 1.00E-4 |  |
| NCI-H522                          | 1.002               | 2.144 | 2.071 | 2.069 | 1.878                  | 1.139 | 0.956 | 94             | 93   | 77   | 12   | -5   | 2.59E-6   | 5.25E-5   | > 1.00E-4 |  |
| <b>Colon Cancer</b>               |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| COLO 205                          | 0.552               | 2.350 | 2.421 | 2.448 | 2.400                  | 1.625 | 1.460 | 104            | 105  | 103  | 60   | 50   | > 1.00E-4 | > 1.00E-4 | > 1.00E-4 |  |
| HCC-2998                          | 0.620               | 2.466 | 2.496 | 2.495 | 2.456                  | 1.925 | 1.603 | 102            | 102  | 99   | 71   | 53   | > 1.00E-4 | > 1.00E-4 | > 1.00E-4 |  |
| HCT-116                           | 0.244               | 2.123 | 2.125 | 2.217 | 2.139                  | 0.758 | 0.532 | 100            | 105  | 101  | 27   | 15   | 4.92E-6   | > 1.00E-4 | > 1.00E-4 |  |
| HCT-15                            | 0.335               | 2.179 | 2.108 | 2.040 | 1.967                  | 0.920 | 0.785 | 96             | 92   | 88   | 32   | 24   | 4.76E-6   | > 1.00E-4 | > 1.00E-4 |  |
| HT29                              | 0.267               | 1.456 | 1.382 | 1.498 | 1.432                  | 0.591 | 0.554 | 94             | 104  | 98   | 27   | 24   | 4.77E-6   | > 1.00E-4 | > 1.00E-4 |  |
| KM12                              | 0.649               | 2.624 | 2.678 | 2.673 | 2.529                  | 1.167 | 0.931 | 103            | 102  | 95   | 26   | 14   | 4.52E-6   | > 1.00E-4 | > 1.00E-4 |  |
| SW-620                            | 0.291               | 2.080 | 2.002 | 1.998 | 1.894                  | 0.741 | 0.690 | 96             | 95   | 90   | 25   | 22   | 4.11E-6   | > 1.00E-4 | > 1.00E-4 |  |
| <b>CNS Cancer</b>                 |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| SF-268                            | 0.542               | 1.672 | 1.702 | 1.701 | 1.675                  | 1.137 | 0.536 | 103            | 103  | 100  | 53   | -1   | 1.12E-5   | 9.54E-5   | > 1.00E-4 |  |
| SF-295                            | 0.947               | 2.804 | 2.676 | 2.652 | 2.626                  | 1.422 | 0.708 | 93             | 92   | 90   | 26   | -25  | 4.20E-6   | 3.19E-5   | > 1.00E-4 |  |
| SF-539                            | 1.010               | 3.095 | 3.003 | 2.929 | 2.875                  | 1.830 | 0.911 | 96             | 92   | 89   | 39   | -10  | 6.12E-6   | 6.32E-5   | > 1.00E-4 |  |
| SNB-19                            | 0.824               | 2.226 | 2.116 | 2.091 | 2.065                  | 1.684 | 0.927 | 92             | 90   | 88   | 61   | 7    | 1.62E-5   | > 1.00E-4 | > 1.00E-4 |  |
| SNB-75                            | 1.116               | 1.635 | 1.522 | 1.474 | 1.508                  | 1.056 | 0.542 | 78             | 69   | 76   | -5   | -51  | 2.07E-6   | 8.58E-6   | 9.29E-5   |  |
| U251                              | 0.544               | 1.968 | 1.946 | 1.997 | 1.977                  | 1.113 | 0.665 | 98             | 102  | 101  | 40   | 9    | 6.84E-6   | > 1.00E-4 | > 1.00E-4 |  |
| <b>Melanoma</b>                   |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| LOX IMVI                          | 0.253               | 1.842 | 1.806 | 1.764 | 1.737                  | 0.930 | 0.600 | 98             | 95   | 93   | 43   | 22   | 7.15E-6   | > 1.00E-4 | > 1.00E-4 |  |
| MALME-3M                          | 0.647               | 1.020 | 1.017 | 1.028 | 1.014                  | 0.753 | 0.390 | 99             | 102  | 98   | 28   | -40  | 4.90E-6   | 2.61E-5   | > 1.00E-4 |  |
| M14                               | 0.568               | 2.440 | 2.435 | 2.458 | 2.385                  | 1.083 | 0.827 | 100            | 101  | 97   | 27   | 14   | 4.75E-6   | > 1.00E-4 | > 1.00E-4 |  |
| MDA-MB-435                        | 0.566               | 2.348 | 2.287 | 2.248 | 2.062                  | 0.340 | 0.291 | 97             | 94   | 84   | -40  | -49  | 1.88E-6   | 4.76E-6   | > 1.00E-4 |  |
| SK-MEL-2                          | 0.808               | 1.567 | 1.621 | 1.550 | 1.495                  | 0.910 | 0.488 | 107            | 98   | 91   | 13   | -40  | 3.35E-6   | 1.79E-5   | > 1.00E-4 |  |
| SK-MEL-28                         | 0.560               | 1.418 | 1.411 | 1.442 | 1.379                  | 0.927 | 0.473 | 99             | 103  | 95   | 43   | -16  | 7.30E-6   | 5.40E-5   | > 1.00E-4 |  |
| SK-MEL-5                          | 0.694               | 2.969 | 2.909 | 2.901 | 2.862                  | 1.350 | 0.867 | 97             | 97   | 95   | 29   | 8    | 4.80E-6   | > 1.00E-4 | > 1.00E-4 |  |
| UACC-257                          | 0.928               | 1.829 | 1.841 | 1.825 | 1.830                  | 1.384 | 0.974 | 101            | 100  | 100  | 51   | 5    | 1.03E-5   | > 1.00E-4 | > 1.00E-4 |  |
| UACC-62                           | 0.977               | 2.769 | 2.656 | 2.631 | 2.562                  | 1.458 | 0.705 | 94             | 92   | 88   | 27   | -28  | 4.21E-6   | 3.10E-5   | > 1.00E-4 |  |
| <b>Ovarian Cancer</b>             |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| IGROV1                            | 0.568               | 1.355 | 1.423 | 1.359 | 1.386                  | 1.026 | 0.648 | 109            | 101  | 104  | 58   | 10   | 1.48E-5   | > 1.00E-4 | > 1.00E-4 |  |
| OVCAR-3                           | 0.604               | 1.792 | 1.863 | 1.882 | 1.864                  | 0.825 | 0.635 | 106            | 108  | 106  | 19   | 3    | 4.38E-6   | > 1.00E-4 | > 1.00E-4 |  |
| OVCAR-4                           | 0.407               | 0.924 | 0.911 | 0.871 | 0.848                  | 0.747 | 0.472 | 98             | 90   | 85   | 66   | 12   | 1.98E-5   | > 1.00E-4 | > 1.00E-4 |  |
| OVCAR-5                           | 0.500               | 1.500 | 1.437 | 1.422 | 1.447                  | 1.340 | 0.977 | 94             | 92   | 95   | 84   | 48   | 8.63E-5   | > 1.00E-4 | > 1.00E-4 |  |
| OVCAR-8                           | 0.523               | 1.692 | 1.773 | 1.797 | 1.778                  | 1.316 | 0.571 | 107            | 109  | 107  | 68   | 4    | 1.91E-5   | > 1.00E-4 | > 1.00E-4 |  |
| NCI/ADR-RES                       | 0.527               | 1.829 | 1.825 | 1.878 | 1.875                  | 1.305 | 1.015 | 100            | 104  | 103  | 60   | 37   | 2.73E-5   | > 1.00E-4 | > 1.00E-4 |  |
| SK-OV-3                           | 0.671               | 1.687 | 1.736 | 1.785 | 1.754                  | 1.218 | 0.651 | 105            | 110  | 107  | 54   | -3   | 1.17E-5   | 8.84E-5   | > 1.00E-4 |  |
| <b>Renal Cancer</b>               |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| 786-0                             | 0.796               | 2.624 | 2.669 | 2.711 | 2.660                  | 2.003 | 0.752 | 102            | 105  | 102  | 66   | -6   | 1.68E-5   | 8.37E-5   | > 1.00E-4 |  |
| A498                              | 1.617               | 2.463 | 2.368 | 2.305 | 2.291                  | 1.604 | 1.462 | 89             | 81   | 80   | -1   | -10  | 2.33E-6   | 9.77E-6   | > 1.00E-4 |  |
| ACHN                              | 0.402               | 2.080 | 2.107 | 2.072 | 1.977                  | 1.307 | 0.721 | 102            | 100  | 94   | 54   | 19   | 1.30E-5   | > 1.00E-4 | > 1.00E-4 |  |
| CAKI-1                            | 0.866               | 2.644 | 2.447 | 2.511 | 2.475                  | 1.547 | 1.165 | 89             | 93   | 90   | 38   | 17   | 5.97E-6   | > 1.00E-4 | > 1.00E-4 |  |
| RXF 393                           | 0.973               | 1.885 | 1.833 | 1.801 | 1.789                  | 1.307 | 0.623 | 94             | 91   | 89   | 37   | -36  | 5.57E-6   | 3.19E-5   | > 1.00E-4 |  |
| SN12C                             | 0.764               | 2.913 | 2.772 | 2.756 | 2.793                  | 1.843 | 1.215 | 93             | 93   | 94   | 50   | 21   | 1.02E-5   | > 1.00E-4 | > 1.00E-4 |  |
| TK-10                             | 0.767               | 1.467 | 1.431 | 1.374 | 1.425                  | 1.222 | 0.798 | 95             | 87   | 94   | 65   | 4    | 1.76E-5   | > 1.00E-4 | > 1.00E-4 |  |
| UO-31                             | 0.656               | 1.768 | 1.694 | 1.627 | 1.655                  | 1.173 | 0.695 | 93             | 87   | 90   | 46   | 4    | 8.30E-6   | > 1.00E-4 | > 1.00E-4 |  |
| <b>Prostate Cancer</b>            |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| PC-3                              | 0.803               | 2.040 | 2.010 | 1.992 | 1.928                  | 1.519 | 1.010 | 98             | 96   | 91   | 58   | 17   | 1.55E-5   | > 1.00E-4 | > 1.00E-4 |  |
| DU-145                            | 0.417               | 1.573 | 1.644 | 1.602 | 1.659                  | 1.383 | 0.593 | 106            | 102  | 107  | 84   | 15   | 3.10E-5   | > 1.00E-4 | > 1.00E-4 |  |
| <b>Breast Cancer</b>              |                     |       |       |       |                        |       |       |                |      |      |      |      |           |           |           |  |
| MCF7                              | 0.588               | 2.305 | 2.200 | 2.129 | 2.136                  | 0.801 | 0.556 | 94             | 90   | 90   | 12   | -6   | 3.28E-6   | 4.92E-5   | > 1.00E-4 |  |
| MDA-MB-231/ATCC                   | 0.610               | 1.654 | 1.658 | 1.607 | 1.573                  | 1.096 | 0.704 | 100            | 95   | 92   | 47   | 9    | 8.40E-6   | > 1.00E-4 | > 1.00E-4 |  |
| HS 578T                           | 1.511               | 2.365 | 2.301 | 2.217 | 2.203                  | 1.700 | 1.300 | 93             | 83   | 81   | 22   | -14  | 3.36E-6   | 4.10E-5   | > 1.00E-4 |  |
| BT-549                            | 1.110               | 2.514 | 2.509 | 2.579 | 2.512                  | 1.902 | 1.404 | 100            | 105  | 100  | 56   | 21   | 1.52E-5   | > 1.00E-4 | > 1.00E-4 |  |
| T-47D                             | 0.779               | 1.694 | 1.692 | 1.726 | 1.663                  | 1.297 | 1.045 | 100            | 103  | 97   | 57   | 29   | 1.73E-5   | > 1.00E-4 | > 1.00E-4 |  |
| MDA-MB-468                        | 0.742               | 1.638 | 1.592 | 1.535 | 1.521                  | 0.889 | 0.846 | 95             | 89   | 87   | 16   | 12   | 3.34E-6   | > 1.00E-4 | > 1.00E-4 |  |

Mean Graphs

Report Date :December 09, 2013

Test Date :May 13, 2013

