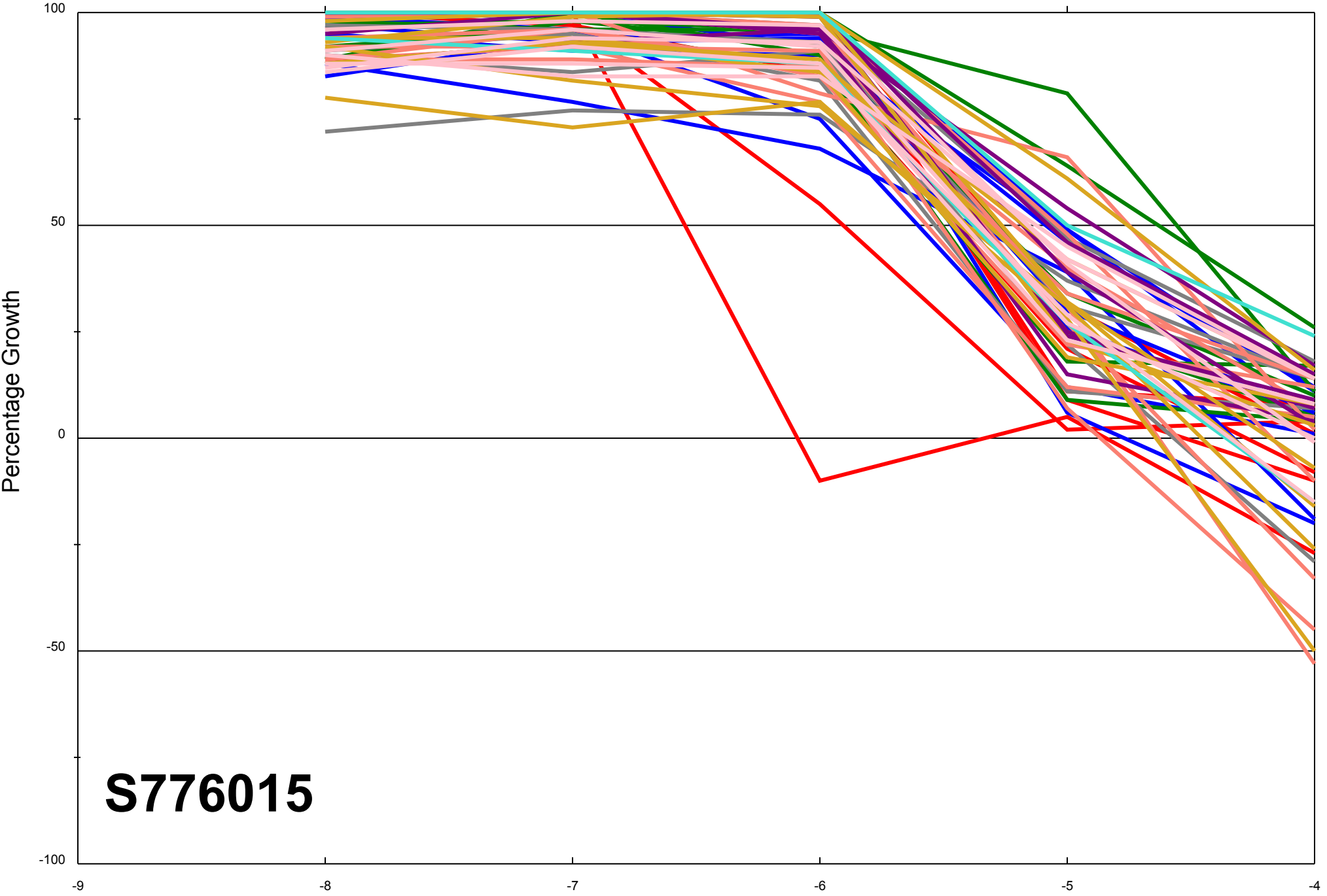


Dose Response Curves

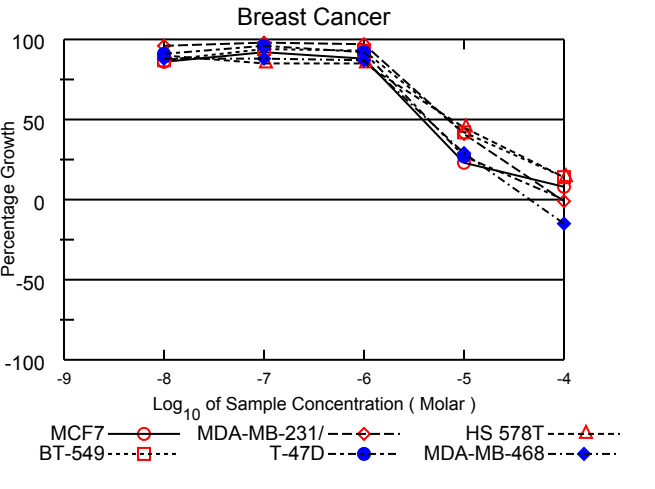
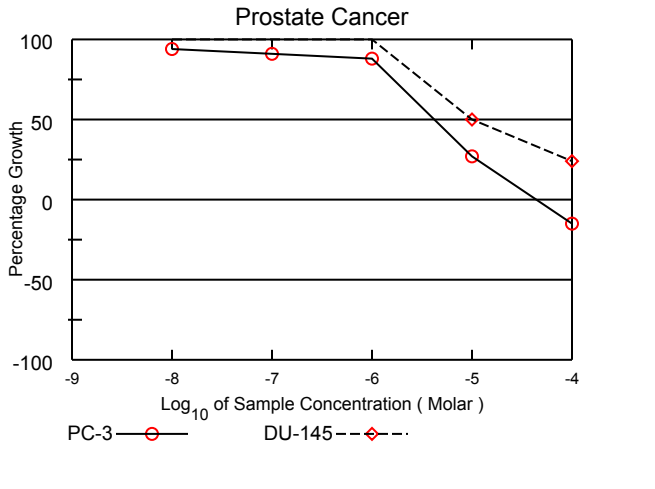
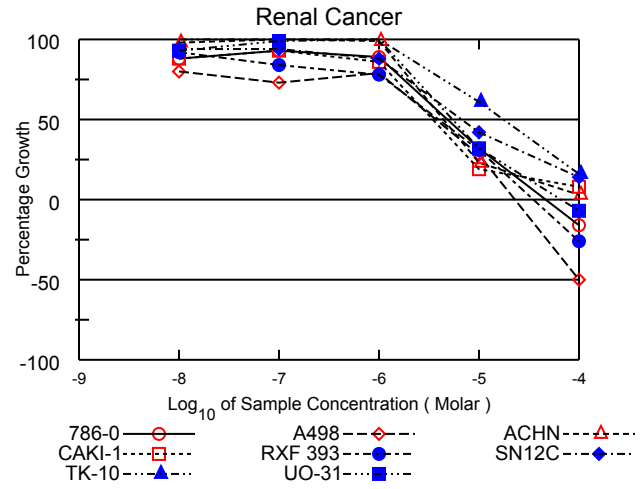
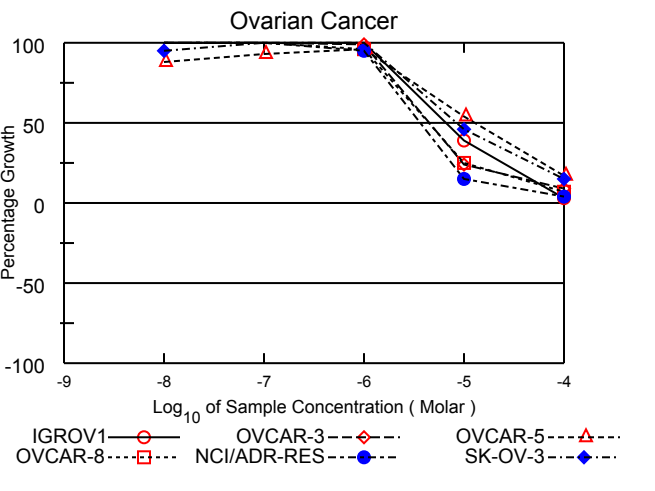
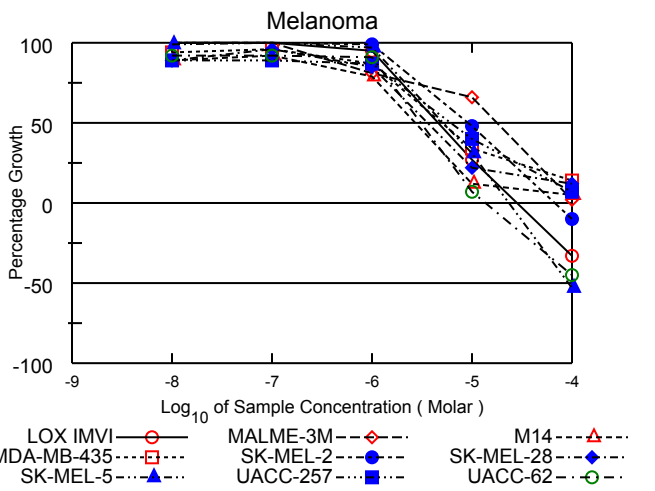
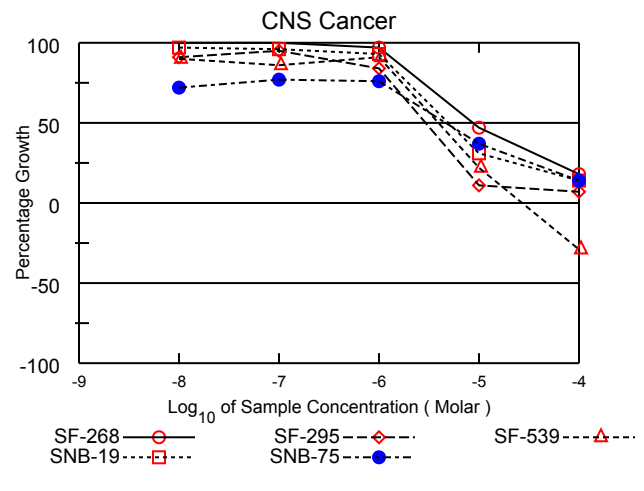
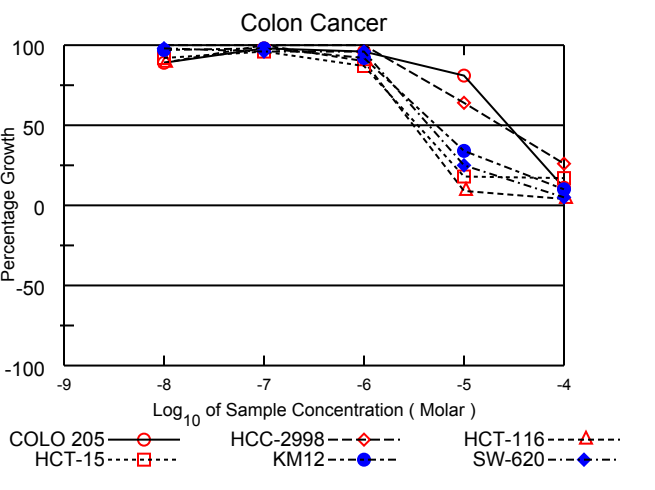
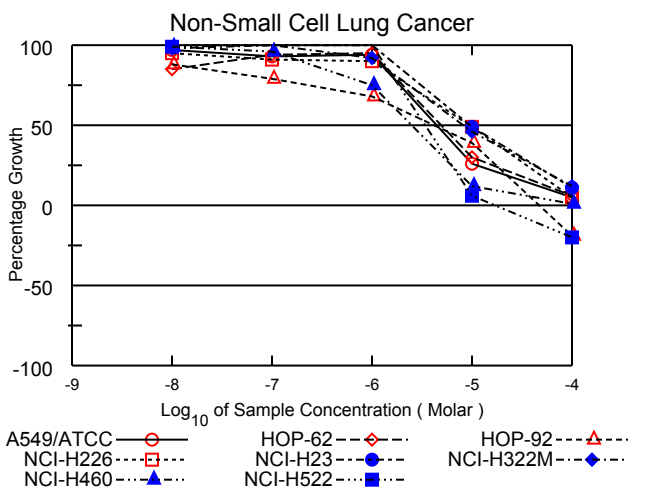
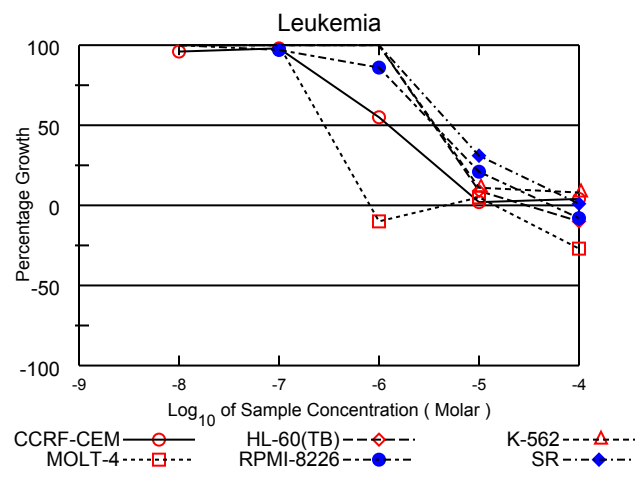
Report Date:February 05, 2014

Test Date:November 26, 2013

All Cell Lines



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



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

|                                 |                                       |                |               |
|---------------------------------|---------------------------------------|----------------|---------------|
| NSC : 776015 / 1                | Experiment ID : 1311NS88              | Test Type : 08 | Units : Molar |
| Report Date : February 05, 2014 | Test Date : November 26, 2013         | QNS :          | MC :          |
| COMI : A3557/0150841 (132153)   | Stain Reagent : SRB Dual-Pass Related | SSPL : 0YAR    |               |

| Panel/Cell Line                   | Log10 Concentration |       |       |       |       |       |       |      |      |      |      |      | GI50    | TGI       | LC50      |
|-----------------------------------|---------------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|---------|-----------|-----------|
|                                   | Time Zero           | Ctrl  | -8.0  | -7.0  | -6.0  | -5.0  | -4.0  | -8.0 | -7.0 | -6.0 | -5.0 | -4.0 |         |           |           |
| <b>Leukemia</b>                   |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| CCRF-CEM                          | 0.466               | 1.890 | 1.839 | 1.857 | 1.244 | 0.501 | 0.530 | 96   | 98   | 55   | 2    | 4    | 1.22E-6 | > 1.00E-4 | > 1.00E-4 |
| HL-60(TB)                         | 0.959               | 2.442 | 2.632 | 2.873 | 2.866 | 1.088 | 0.863 | 113  | 129  | 129  | 9    | -10  | 4.52E-6 | 2.91E-5   | > 1.00E-4 |
| K-562                             | 0.148               | 0.924 | 0.945 | 0.968 | 0.980 | 0.236 | 0.208 | 103  | 106  | 107  | 11   | 8    | 3.94E-6 | > 1.00E-4 | > 1.00E-4 |
| MOLT-4                            | 0.827               | 2.260 | 2.435 | 2.730 | 0.745 | 0.900 | 0.604 | 112  | 133  | -10  | 5    | -27  | 3.80E-7 | .         | > 1.00E-4 |
| RPMI-8226                         | 0.953               | 2.634 | 2.656 | 2.577 | 2.407 | 1.303 | 0.876 | 101  | 97   | 86   | 21   | -8   | 3.59E-6 | 5.24E-5   | > 1.00E-4 |
| SR                                | 0.396               | 1.367 | 1.465 | 1.555 | 1.502 | 0.694 | 0.411 | 110  | 119  | 114  | 31   | 1    | 5.86E-6 | > 1.00E-4 | > 1.00E-4 |
| <b>Non-Small Cell Lung Cancer</b> |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| A549/ATCC                         | 0.345               | 1.752 | 1.704 | 1.647 | 1.666 | 0.715 | 0.422 | 97   | 93   | 94   | 26   | 5    | 4.46E-6 | > 1.00E-4 | > 1.00E-4 |
| HOP-62                            | 0.740               | 1.912 | 1.733 | 1.840 | 1.849 | 1.098 | 0.806 | 85   | 94   | 95   | 30   | 6    | 4.96E-6 | > 1.00E-4 | > 1.00E-4 |
| HOP-92                            | 1.332               | 1.980 | 1.900 | 1.847 | 1.773 | 1.587 | 1.084 | 88   | 79   | 68   | 39   | -19  | 4.25E-6 | 4.77E-5   | > 1.00E-4 |
| NCI-H226                          | 0.778               | 2.157 | 2.095 | 2.036 | 2.019 | 1.455 | 0.842 | 95   | 91   | 90   | 49   | 5    | 9.49E-6 | > 1.00E-4 | > 1.00E-4 |
| NCI-H23                           | 0.516               | 1.617 | 1.645 | 1.662 | 1.648 | 1.059 | 0.639 | 102  | 104  | 103  | 49   | 11   | 9.69E-6 | > 1.00E-4 | > 1.00E-4 |
| NCI-H322M                         | 0.780               | 1.689 | 1.669 | 1.723 | 1.619 | 1.194 | 0.890 | 98   | 104  | 92   | 46   | 12   | 8.02E-6 | > 1.00E-4 | > 1.00E-4 |
| NCI-H460                          | 0.323               | 2.918 | 2.884 | 2.825 | 2.282 | 0.630 | 0.343 | 99   | 96   | 75   | 12   | 1    | 2.51E-6 | > 1.00E-4 | > 1.00E-4 |
| NCI-H522                          | 0.929               | 2.123 | 2.106 | 2.127 | 2.195 | 1.006 | 0.747 | 99   | 100  | 106  | 6    | -20  | 3.65E-6 | 1.76E-5   | > 1.00E-4 |
| <b>Colon Cancer</b>               |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| COLO 205                          | 0.488               | 1.613 | 1.494 | 1.590 | 1.571 | 1.401 | 0.611 | 89   | 98   | 96   | 81   | 11   | 2.78E-5 | > 1.00E-4 | > 1.00E-4 |
| HCC-2998                          | 0.666               | 2.095 | 2.204 | 2.171 | 2.167 | 1.574 | 1.043 | 108  | 105  | 105  | 64   | 26   | 2.31E-5 | > 1.00E-4 | > 1.00E-4 |
| HCT-116                           | 0.218               | 2.355 | 2.130 | 2.359 | 2.141 | 0.412 | 0.296 | 89   | 100  | 90   | 9    | 4    | 3.12E-6 | > 1.00E-4 | > 1.00E-4 |
| HCT-15                            | 0.432               | 2.741 | 2.567 | 2.655 | 2.441 | 0.847 | 0.833 | 92   | 96   | 87   | 18   | 17   | 3.44E-6 | > 1.00E-4 | > 1.00E-4 |
| KM12                              | 0.474               | 2.240 | 2.187 | 2.205 | 2.105 | 1.071 | 0.657 | 97   | 98   | 92   | 34   | 10   | 5.28E-6 | > 1.00E-4 | > 1.00E-4 |
| SW-620                            | 0.419               | 2.991 | 2.929 | 2.882 | 2.880 | 1.075 | 0.549 | 98   | 96   | 96   | 25   | 5    | 4.48E-6 | > 1.00E-4 | > 1.00E-4 |
| <b>CNS Cancer</b>                 |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| SF-268                            | 0.627               | 1.908 | 1.955 | 1.958 | 1.866 | 1.228 | 0.854 | 104  | 104  | 97   | 47   | 18   | 8.67E-6 | > 1.00E-4 | > 1.00E-4 |
| SF-295                            | 0.272               | 1.142 | 1.067 | 1.100 | 1.003 | 0.368 | 0.366 | 91   | 95   | 84   | 11   | 7    | 2.92E-6 | > 1.00E-4 | > 1.00E-4 |
| SF-539                            | 0.899               | 2.364 | 2.211 | 2.164 | 2.237 | 1.219 | 0.643 | 90   | 86   | 91   | 22   | -29  | 3.94E-6 | 2.71E-5   | > 1.00E-4 |
| SNB-19                            | 0.479               | 1.772 | 1.729 | 1.715 | 1.684 | 0.874 | 0.665 | 97   | 96   | 93   | 31   | 14   | 4.89E-6 | > 1.00E-4 | > 1.00E-4 |
| SNB-75                            | 0.883               | 1.724 | 1.492 | 1.527 | 1.519 | 1.196 | 1.001 | 72   | 77   | 76   | 37   | 14   | 4.66E-6 | > 1.00E-4 | > 1.00E-4 |
| <b>Melanoma</b>                   |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| LOX IMVI                          | 0.315               | 2.003 | 2.021 | 2.080 | 1.925 | 0.771 | 0.211 | 101  | 105  | 95   | 27   | -33  | 4.61E-6 | 2.81E-5   | > 1.00E-4 |
| MALME-3M                          | 0.583               | 0.823 | 0.849 | 0.872 | 0.779 | 0.741 | 0.589 | 111  | 120  | 81   | 66   | 2    | 1.77E-5 | > 1.00E-4 | > 1.00E-4 |
| M14                               | 0.417               | 1.689 | 1.545 | 1.592 | 1.422 | 0.569 | 0.485 | 89   | 92   | 79   | 12   | 5    | 2.71E-6 | > 1.00E-4 | > 1.00E-4 |
| MDA-MB-435                        | 0.513               | 2.402 | 2.285 | 2.322 | 2.161 | 1.164 | 0.777 | 94   | 96   | 87   | 34   | 14   | 5.07E-6 | > 1.00E-4 | > 1.00E-4 |
| SK-MEL-2                          | 1.188               | 2.195 | 2.249 | 2.267 | 2.190 | 1.676 | 1.066 | 105  | 107  | 99   | 48   | -10  | 9.32E-6 | 6.69E-5   | > 1.00E-4 |
| SK-MEL-28                         | 0.511               | 1.299 | 1.213 | 1.269 | 1.183 | 0.685 | 0.605 | 89   | 96   | 85   | 22   | 12   | 3.61E-6 | > 1.00E-4 | > 1.00E-4 |
| SK-MEL-5                          | 0.934               | 3.110 | 3.096 | 3.127 | 3.053 | 1.610 | 0.437 | 99   | 101  | 97   | 31   | -53  | 5.18E-6 | 2.34E-5   | 9.15E-5   |
| UACC-257                          | 0.922               | 2.032 | 1.911 | 1.914 | 1.883 | 1.370 | 0.999 | 89   | 89   | 87   | 40   | 7    | 6.18E-6 | > 1.00E-4 | > 1.00E-4 |
| UACC-62                           | 0.673               | 2.784 | 2.622 | 2.614 | 2.597 | 0.830 | 0.368 | 92   | 92   | 91   | 7    | -45  | 3.10E-6 | 1.38E-5   | > 1.00E-4 |
| <b>Ovarian Cancer</b>             |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| IGROV1                            | 0.579               | 1.864 | 1.895 | 1.971 | 1.946 | 1.076 | 0.618 | 102  | 108  | 106  | 39   | 3    | 6.81E-6 | > 1.00E-4 | > 1.00E-4 |
| OVCAR-3                           | 0.441               | 1.496 | 1.569 | 1.564 | 1.483 | 0.691 | 0.538 | 107  | 106  | 99   | 24   | 9    | 4.46E-6 | > 1.00E-4 | > 1.00E-4 |
| OVCAR-5                           | 0.518               | 1.244 | 1.157 | 1.193 | 1.212 | 0.907 | 0.640 | 88   | 93   | 96   | 54   | 17   | 1.25E-5 | > 1.00E-4 | > 1.00E-4 |
| OVCAR-8                           | 0.398               | 1.726 | 1.753 | 1.728 | 1.676 | 0.736 | 0.487 | 102  | 100  | 96   | 25   | 7    | 4.50E-6 | > 1.00E-4 | > 1.00E-4 |
| NCI/ADR-RES                       | 0.489               | 1.666 | 1.698 | 1.709 | 1.608 | 0.670 | 0.535 | 103  | 104  | 95   | 15   | 4    | 3.68E-6 | > 1.00E-4 | > 1.00E-4 |
| SK-OV-3                           | 0.803               | 1.675 | 1.635 | 1.682 | 1.697 | 1.206 | 0.937 | 95   | 101  | 103  | 46   | 15   | 8.58E-6 | > 1.00E-4 | > 1.00E-4 |
| <b>Renal Cancer</b>               |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| 786-0                             | 0.608               | 2.337 | 2.136 | 2.208 | 2.150 | 1.156 | 0.513 | 88   | 93   | 89   | 32   | -16  | 4.80E-6 | 4.66E-5   | > 1.00E-4 |
| A498                              | 1.580               | 2.331 | 2.184 | 2.129 | 2.176 | 1.790 | 0.794 | 80   | 73   | 79   | 28   | -50  | 3.72E-6 | 2.29E-5   | > 1.00E-4 |
| ACHN                              | 0.336               | 1.241 | 1.224 | 1.258 | 1.229 | 0.541 | 0.364 | 98   | 102  | 99   | 23   | 3    | 4.36E-6 | > 1.00E-4 | > 1.00E-4 |
| CAKI-1                            | 0.654               | 2.844 | 2.589 | 2.682 | 2.535 | 1.062 | 0.819 | 88   | 93   | 86   | 19   | 8    | 3.42E-6 | > 1.00E-4 | > 1.00E-4 |
| RXF 393                           | 1.029               | 1.548 | 1.509 | 1.465 | 1.434 | 1.190 | 0.759 | 92   | 84   | 78   | 31   | -26  | 3.94E-6 | 3.48E-5   | > 1.00E-4 |
| SN12C                             | 0.801               | 2.777 | 2.656 | 2.654 | 2.549 | 1.639 | 1.075 | 94   | 94   | 88   | 42   | 14   | 6.84E-6 | > 1.00E-4 | > 1.00E-4 |
| TK-10                             | 1.211               | 2.340 | 2.348 | 2.447 | 2.423 | 1.900 | 1.397 | 101  | 109  | 107  | 61   | 16   | 1.77E-5 | > 1.00E-4 | > 1.00E-4 |
| UO-31                             | 0.769               | 1.898 | 1.824 | 1.882 | 1.965 | 1.128 | 0.719 | 93   | 99   | 106  | 32   | -7   | 5.68E-6 | 6.76E-5   | > 1.00E-4 |
| <b>Prostate Cancer</b>            |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| PC-3                              | 0.649               | 2.212 | 2.111 | 2.069 | 2.022 | 1.076 | 0.553 | 94   | 91   | 88   | 27   | -15  | 4.22E-6 | 4.45E-5   | > 1.00E-4 |
| DU-145                            | 0.404               | 1.524 | 1.640 | 1.617 | 1.616 | 0.963 | 0.673 | 110  | 108  | 108  | 50   | 24   | 9.96E-6 | > 1.00E-4 | > 1.00E-4 |
| <b>Breast Cancer</b>              |                     |       |       |       |       |       |       |      |      |      |      |      |         |           |           |
| MCF7                              | 0.762               | 2.877 | 2.587 | 2.717 | 2.630 | 1.257 | 0.933 | 86   | 92   | 88   | 23   | 8    | 3.89E-6 | > 1.00E-4 | > 1.00E-4 |
| MDA-MB-231/ATCC                   | 0.581               | 1.332 | 1.305 | 1.321 | 1.311 | 0.889 | 0.574 | 96   | 98   | 97   | 41   | -1   | 6.92E-6 | 9.36E-5   | > 1.00E-4 |
| HS 578T                           | 1.496               | 2.541 | 2.433 | 2.388 | 2.388 | 1.965 | 1.643 | 90   | 85   | 85   | 45   | 14   | 7.47E-6 | > 1.00E-4 | > 1.00E-4 |
| BT-549                            | 0.679               | 1.737 | 1.602 | 1.672 | 1.660 | 1.126 | 0.830 | 87   | 94   | 93   | 42   | 14   | 7.03E-6 | > 1.00E-4 | > 1.00E-4 |
| T-47D                             | 0.859               | 1.824 | 1.739 | 1.784 | 1.747 | 1.118 | 0.860 | 91   | 96   | 92   | 27   | .    | 4.41E-6 | > 1.00E-4 | > 1.00E-4 |
| MDA-MB-468                        | 0.730               | 1.409 | 1.326 | 1.329 | 1.321 | 0.924 | 0.624 | 88   | 88   | 87   | 29   | -15  | 4.30E-6 | 4.59E-5   | > 1.00E-4 |

Mean Graphs

Report Date :February 05, 2014

Test Date :November 26, 2013

