

Supplementary Table 1. Cell line IC₅₀ for 6TG +/- 10 μM MTA

| Cell line | Cell type/origin | MTAP status | IC50 6TG (μM) | IC ₅₀ 6TG+MT A (μM) | Ratio 6TG+MTA/6TG |
|-------------|-----------------------|-------------|---------------|--------------------------------|-------------------|
| ACHN | Kidney Tumor | Negative | 2.83 | 10.31 | 3.6 |
| HT1080 | Fibrosarcoma | Negative | 0.07 | 1.70 | 1.7 |
| Nf2-54 | Mesothelioma | Negative | 0.12 | 0.16 | 1.3 |
| Nf2-15 | Mesothelioma | Negative | 0.22 | 0.38 | 1.8 |
| 769-p | Kidney Tumor | Positive | 2.57 | 17.87 | 7.0 |
| Caki | Kidney Tumor | Positive | 0.07 | 36.40 | 554 |
| HEK293 | Embryonic Kidney | Positive | 1.94 | 5.24 | 2.7 |
| HL60 | Promyeloblast | Positive | 0.60 | 128.3 | 214 |
| MEF5 | Embryonic Fibroblast | Positive | 44.9 | 4137 | 96.2 |
| MEF8 | Embryonic Fibroblast | Positive | 58 | 594 | 10.3 |
| MCF-7+MTAP | Breast Adenocarcinoma | Positive | 13.4 | 43.6 | 3.25 |
| Nf2-28 | Mesothelioma | Positive | 0.33 | 167.1 | 509 |
| Nf2-45 | Mesothelioma | Positive | 0.18 | 248.9 | 1420 |
| Nf2-53 | Mesothelioma | Positive | 0.14 | 192.8 | 1368 |
| Nf2-78 | Mesothelioma | Positive | 16.4 | 566 | 34.5 |
| Nf2#82 | Mesothelioma | Positive | 0.56 | 57.5 | 102 |
| HT1080+MTAP | Fibrosarcoma | Positive | 0.06 | 15.9 | 360 |

Supplementary Table 2. Cell line IC50 for 2FA +/- 10 µM MTA

| Cell line | Cell type/origin | MTAP status | IC ₅₀ 2FA (µM) | IC ₅₀ 2FA+MTA (µM) | Ratio 2FA+MTA/6TG |
|--------------------------|----------------------------|-------------|---------------------------------|-------------------------------------|----------------------|
| 3T3-MTAP ⁻ | Mouse Embryonic Fibroblast | Negative | 0.17 | 0.21 | 1.3 |
| A172 | Glioblastoma | Negative | 0.11 | 0.11 | 1.0 |
| U87 | Glioblastoma | Negative | 0.40 | 0.65 | 1.6 |
| HT1080-MTAP ⁻ | Fibrosarcoma | Negative | 0.08 | 0.09 | 1.2 |
| JC101 | Pancreatic Cancer | Negative | 8.0 | 7.5 | 0.9 |
| A549 | Lung Cancer | Negative | 0.9 | 1.2 | 1.3 |
| MiaPaca2 | Pancreatic Cancer | Negative | 2.3 | 2.2 | 1.0 |
| 3T3-MTAP ⁺ | Mouse Embryonic Fibroblast | Positive | 0.09 | 6.0 | 70 |
| HT1080-MTAP ⁺ | Embryonic Fibroblast | Positive | 0.03 | 0.6 | 22 |
| MCF-7+MTAP ⁺ | Breast Adenocarcinoma | Positive | 0.33 | 3.8 | 11.4 |
| GM13605 | EBV lymphocyte | Positive | 0.26 | 1.5 | 5.7 |
| GM17733 | EBV lymphocyte | Positive | 0.20 | 2.5 | 12.9 |
| GM17738 | EBV lymphocyte | Positive | 0.54 | 3.8 | 6.5 |