

S1 Table: Hematology and serum chemistry at baseline and change after 4 weeks by treatment assignment

| | <i>Sulforaphane Dose Group</i> | | | <i>P-value*</i> |
|---|-------------------------------------|----------------------------|----------------------------|-----------------|
| | <i>Placebo</i> <i>N=30</i> | <i>25μM</i> <i>N=29</i> | <i>150μ</i> <i>N=29</i> | |
| | <i>Median (Interquartile Range)</i> | | | |
| Hemoglobin (g/dL) | | | | |
| Baseline | 14.9 (13.0,15.4) | 14.9 (14.1,15.6) | 14.3 (13.5,14.9) | |
| Change from baseline | 0.0 (-0.4,0.6) | 0.0 (-0.5,0.2) | -0.1 (-0.4,0.4) | 0.68 |
| Hematocrit (%) | | | | |
| Baseline | 44 (39,44) | 44 (42,46) | 42 (41,44) | |
| Change from baseline | 0 (-1,2) | -0 (-2,1) | -0 (-1,2) | 0.41 |
| White blood cell count (x10 ⁴ /mL) | | | | |
| Baseline | 0.7 (0.5,0.9) | 0.7 (0.6,0.8) | 0.6 (0.5,0.7) | |
| Change from baseline | 0.0 (-0.2,0.0) | 0.0 (-0.1,0.0) | 0.0 (-0.1,0.1) | 0.45 |
| Thyroid stimulating hormone (μ U/mL) | | | | |
| Baseline | 1.1 (0.7,1.6) | 1.2 (0.5,1.6) | 1.1 (0.8,1.7) | |
| Change from baseline | 0.0 (-0.4,0.3) | 0.0 (-0.2,0.1) | 0.1 (-0.3,0.6) | 0.46 |
| Aspartate transaminase (AST) (U/L) | | | | |
| Baseline | 19 (17,23) | 20 (15,29) | 21 (18,29) | |
| Change from baseline | 0 (-2,5) | -2 (-3,2) | 0 (-3,2) | 0.48 |
| Alanine transaminase (ALT) (U/L) | | | | |
| Baseline | 19 (15,26) | 24 (18,31) | 21 (18,32) | |
| Change from baseline | 0 (-1,3) | 0 (-5,1) | 1 (-4,4) | 0.28 |
| Alkaline phosphatase (U/L) | | | | |
| Baseline | 84 (72,90) | 75 (68,93) | 77 (66,87) | |
| Change from baseline | 2 (-6,7) | -2 (-5,4) | -2 (-6,8) | 0.82 |
| Creatinine (mg/dL) | | | | |
| Baseline | 0.80 (0.80,1.00) | 1.00 (0.70,1.00) | 0.90 (0.80,1.10) | |
| Change from baseline | 0.00 (0.00,0.10) | 0.00 (-0.10,0.10) | 0.10 (-0.10,0.10) | 0.47 |

*Kruskal-Wallis test