## Source (95% CI)

## Sequencing = FPKM

Nathanson, Melanoma, n = 24-0.73 [-1.75; 0.29] Liu, Melanoma, n = 121 -0.53 [-1.04; -0.02] Hugo, Melanoma, n = 270.55 [-0.67; 1.77] -0.43 [-0.87; 0.01] Total

Heterogeneity:  $\chi_2^2 = 2.98 \ (P = .23), \ I^2 = 33\% \ [0\%; 93\%]$ 

## Sequencing = TPM

Van Allen, Melanoma, n = 42 -0.58 [-1.32; 0.16] Mariathasan, Lymph\_node, n = 26 - 0.45 [-1.39; 0.49]Mariathasan, Kidney, n = 67-0.34 [-0.91; 0.23] Riaz, Melanoma, n = 51 -0.23 [-0.90; 0.44] Mariathasan, Bladder, n = 194-0.13 [-0.48; 0.22] Miao.1, Kidney, n = 33-0.12 [-0.96; 0.72] Braun, Kidney, n = 1780.04 [-0.35; 0.43] Fumet.2, Lung, n = 430.09 [-0.69; 0.87] Snyder, Ureteral, n = 250.20 [-0.76; 1.16] Mariathasan, Ureteral, n = 261.57 [ 0.41; 2.73] Total -0.09 [-0.28; 0.10]Heterogeneity:  $\chi_9^2 = 12.08 (P = .21), I^2 = 26\% [0\%; 64\%]$ Total -0.15 [-0.32; 0.03]

Heterogeneity:  $\chi_{12}^2 = 17.10 \ (P = .15), \ I^2 = 30\% \ [0\%; 64\%]$ Test for overall effect: z = -1.67 (P = .09)

Test for subgroup differences:  $\chi_1^2 = 1.87$  (P = .17)

