

Source**(95% CI)****Sequencing = WES**

Nathanson, Melanoma, n = 64	-1.42 [-2.34; -0.50]
Hugo, Melanoma, n = 38	-1.32 [-2.65; 0.01]
Liu, Melanoma, n = 144	-0.67 [-1.16; -0.18]
Miao.2, Melanoma, n = 47	-0.64 [-1.44; 0.16]
Miao.2, Bladder, n = 27	-0.58 [-2.79; 1.63]
Snyder, Ureteral, n = 25	-0.49 [-1.41; 0.43]
Van_Allen, Melanoma, n = 112	-0.45 [-0.90; 0.00]
Braun, Kidney, n = 249	-0.38 [-1.46; 0.70]
Riaz, Melanoma, n = 68	-0.06 [-0.65; 0.53]
Miao.2, Lung, n = 34	0.06 [-1.76; 1.88]
Miao.1, Kidney, n = 35	0.81 [-3.95; 5.57]

Total -0.54 [-0.77; -0.30]Heterogeneity: $\chi^2_{10} = 8.68$ ($P = .56$), $I^2 = 0\%$ [0%; 60%]**Sequencing = TGS**

Mariathasan, Ureteral, n = 21	-1.40 [-4.05; 1.25]
Samstein, Ureteral, n = 51	-1.03 [-2.25; 0.19]
Samstein, Bladder, n = 158	-0.77 [-1.36; -0.18]
Samstein, Colon, n = 129	-0.67 [-1.18; -0.16]
Samstein, Unknown, n = 122	-0.67 [-1.16; -0.18]
Samstein, Kidney, n = 156	-0.63 [-1.37; 0.11]
Mariathasan, Bladder, n = 158	-0.53 [-1.14; 0.08]
Samstein, Stomach, n = 46	-0.51 [-1.29; 0.27]
Samstein, Lung, n = 355	-0.41 [-0.74; -0.08]
Samstein, Melanoma, n = 214	-0.37 [-0.84; 0.10]
Mariathasan, Kidney, n = 58	-0.34 [-1.24; 0.56]
Samstein, HNC, n = 145	-0.33 [-0.82; 0.16]
Samstein, Esophagus, n = 83	-0.14 [-1.18; 0.90]
Samstein, Breast, n = 46	-0.04 [-0.92; 0.84]
Samstein, Brain, n = 117	-0.02 [-0.61; 0.57]
Samstein, Eye, n = 22	0.41 [-1.75; 2.57]

Total -0.46 [-0.61; -0.30]Heterogeneity: $\chi^2_{15} = 8.6$ ($P = .90$), $I^2 = 0\%$ [0%; 52%]**Total** -0.48 [-0.61; -0.35]Heterogeneity: $\chi^2_{26} = 17.58$ ($P = .89$), $I^2 = 0\%$ [0%; 43%]Test for overall effect: $z = -7.28$ ($P < .001$)Test for subgroup differences: $\chi^2_1 = 0.30$ ($P = .58$)