(95% CI) Source **Primary = Lung**

-2.27[-4.13; -0.41]Fumet.2, n = 41Jung, n = 26-2.11 [-4.21; -0.01] Fumet.1, n = 39-0.01 [-1.58; 1.56] -1.36 [-2.89; 0.17] Total

Heterogeneity: $\chi_2^2 = 4.2 \ (P = .12), \ I^2 = 52\% \ [0\%; 86\%]$

Primary = Other

Snyder, Ureteral, n = 22-0.98 [-2.88; 0.92] Mariathasan, Bladder, n = 133 - 0.80 [-1.51; -0.09]

Primary = Melanoma

-0.94 [-2.25; 0.37] Riaz, n = 33 $Van_Allen, n = 39$ -0.73 [-2.26; 0.80] -0.54 [-1.28; 0.20] Liu, n = 112Nathanson, n = 24-0.48 [-1.89; 0.93] Hugo, n = 27-0.07 [-1.60; 1.46] -0.56 [-1.08; -0.04] Total

Heterogeneity: $\chi_4^2 = 0.78 \ (P = .94), \ I^2 = 0\% \ [0\%; 79\%]$

Primary = Kidney

Mariathasan, n = 46-0.37 [-1.82; 1.08] Braun, n = 139-0.21 [-0.95; 0.53] Miao.1, n = 280.06 [-1.51; 1.63] -0.20 [-0.81; 0.41] Total Heterogeneity: $\chi_2^2 = 0.16$ (P = .92), $I^2 = 0\%$ [0%; 90%] -0.51 [-0.88; -0.14] Total Heterogeneity: $\chi^2_{10} = 8.04 \ (P = .62), \ I^2 = 0\% \ [0\%; 60\%]$ Test for overall effect: $z = -2.73 \ (P = .006)$ Test for subgroup differences: $\chi_2^2 = 2.19$ (P = .33)

-2-1 0 1 2 Estimated logOR