Study logHR [95%CI] P-value -0.84 [-2.41; 0.73] 0.30 Mariathasan, Ureteral, n = 26Mariathasan, Kidney, n = 67-0.30 [-1.18; 0.58] 0.50 -0.27 [-1.62; 1.08] Snyder, Ureteral, n = 250.69 Fumet.2, Lung, n = 43-0.22 [-1.36; 0.92] 0.71 Miao.1, Kidney, n = 330.36 [-0.91; 1.63] 0.57 Braun, Kidney, n = 1780.37 [-0.24; 0.98] 0.23 Riaz, Melanoma, n = 51 0.38 [-0.35; 1.11] 0.30 Mariathasan, Lymph_node, $n = 26 \ 0.46 \ [-0.72; 1.64]$ 0.45 Hugo, Melanoma, n = 270.52 [-1.30; 2.34] 0.58 Van Allen, Melanoma, n = 420.58 [-0.65; 1.81] 0.36 Mariathasan, Bladder, n = 1940.62 [0.15; 1.09] 0.01 Nathanson, Melanoma, n = 241.04 [0.02; 2.06] 0.05 Liu, Melanoma, n = 121 1.16 [0.43; 1.89] 0.00

Total 0.43 [0.16; 0.70] Heterogeneity: $\chi^2_{12} = 13.44$ (P = .34), $I^2 = 11\%$ [0%; 50%] Test for overall effect: z = 3.16 (P = .002) -1 0 0.5 1 1.5 logHR estimate