## Study logHR [95%CI] P-value Van Allen, Melanoma, n = 42 0.02 -0.92 [-1.68; -0.16] Nathanson, Melanoma, n = 24-0.89 [-1.91: 0.13] 0.09 Mariathasan, Lymph\_node, n = 26 - 0.78 [-1.74; 0.18]0.11 Riaz, Melanoma, n = 51-0.74[-1.43; -0.05]0.04 0.20 Hwang, Lung, n = 21-0.72 [-1.82; 0.38] Fumet.2, Lung, n = 43-0.68 [-1.50; 0.14] 0.10 Liu. Melanoma, n = 121 -0.56 [-1.07: -0.05] 0.03 Miao.1, Kidney, n = 33-0.30 [-1.14; 0.54] 0.49 Mariathasan, Bladder, n = 194-0.16 [-0.51; 0.19] 0.38 Snyder, Ureteral, n = 25-0.16 [-1.12; 0.80] 0.74 0.68 Mariathasan, Kidney, n = 67-0.12 [-0.69; 0.45] Braun. Kidnev. n = 1780.08 [-0.31: 0.47] 0.68 Mariathasan, Ureteral, n = 260.64 [-0.32; 1.60] 0.19 Hugo, Melanoma, n = 270.71 [-0.51; 1.93] 0.25 -0.31 [-0.54; -0.09] Total Heterogeneity: $\chi_{13}^2 = 19.63 \ (P = .10), \ I^2 = 34\% \ [0\%; 65\%]$ Test for overall effect: z = -2.73 (P = .006) 0.0.51

logHR estimate