Study logOR [95%CI] P-value Riaz, Melanoma, n = 33-0.03 [-1.46; 1.40] 0.97 0.00 [-2.29; 2.29] Hugo, Melanoma, n = 271.00 Van Allen, Melanoma, n = 39 0.50 [-1.87; 2.87] 0.68

Liu, Melanoma, n = 112 0.98 [-0.04; 2.00] 0.06

Jerby_Arnon, Melanoma, n = 96 1.06 [0.08; 2.04] 0.03 Nathanson, Melanoma, n = 24 1.37 [-0.69; 3.43] 0.19

Total 0.79 [0.22; 1.36]

Heterogeneity: $\chi_5^2 = 2.51$ (P = .78), $I^2 = 0\%$ [0%; 75%]

Test for overall effect: z = 2.72 (P = .006) -0.5 0 0.5 1 1.5 Estimated logOR