Study logOR [95%CI] P-value Riaz, Melanoma, n = 33**-1.16** [**-2.75**; 0.43] 0.15 -1.08 [-2.06; -0.10] Liu, Melanoma, n = 112 0.03 Van_Allen, Melanoma, n = 39 -0.63 [-2.43; 1.17]0.49

0.56

Nathanson, Melanoma, n = 24 - 0.48 [-2.11; 1.15]

Hugo, Melanoma, n = 27 0.32 [-1.56; 2.20] 0.74 Total -0.78 [-1.42; -0.13]

Heterogeneity: $\chi_4^2 = 2.05 \ (P = .73), \ I^2 = 0\% \ [0\%; 79\%]$

Test for overall effect: z = -2.36 (P = .02) -1.5 - 0.5 0.511.5Estimated logOR