



Supplementary Figure 1. Intervention in RA signal with different concentrations of RA and BMS 493 *in vitro* altered the ALP activities differentially (A, B). ALP activities were significantly suppressed by 10⁻⁷ M, 10⁻⁶ M, 10⁻⁵ M RA (A). ALP activities were significantly enhanced by 10⁻⁷ M BMS 493, but decreased by 10⁻⁵ M BMS 493 and changed little by 10⁻⁶ M BMS 493 (B).