



**Supplementary figure 6. RP-CP association is not significantly affected by the presence of different nucleotides.** (a)  $\alpha 5$ -T82C Rpt1-N467C proteasomes were subjected to crosslinking after 30 min incubation with 1 mM ATP, 1 mM ADP, or 1mM ATP following a 30 min pre-incubation with 1 mM ADP. Crosslinking was assayed by SDS-PAGE followed by immunoblotting. (b) Incubation with either ATP or ADP does not affect the distribution of proteasome species (RP<sub>2</sub>-CP, RP-CP and CP) for either wild type or mutant ( $\alpha 5$ -T82C Rpt1-N467C) proteasomes.