

Figure S5

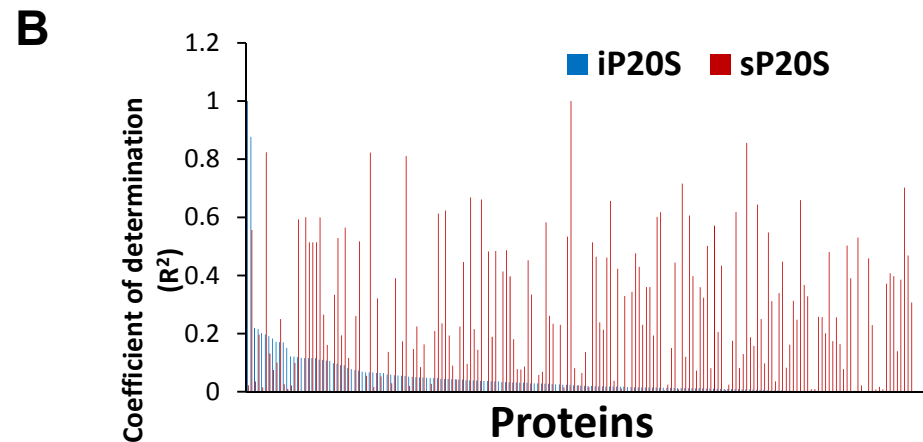
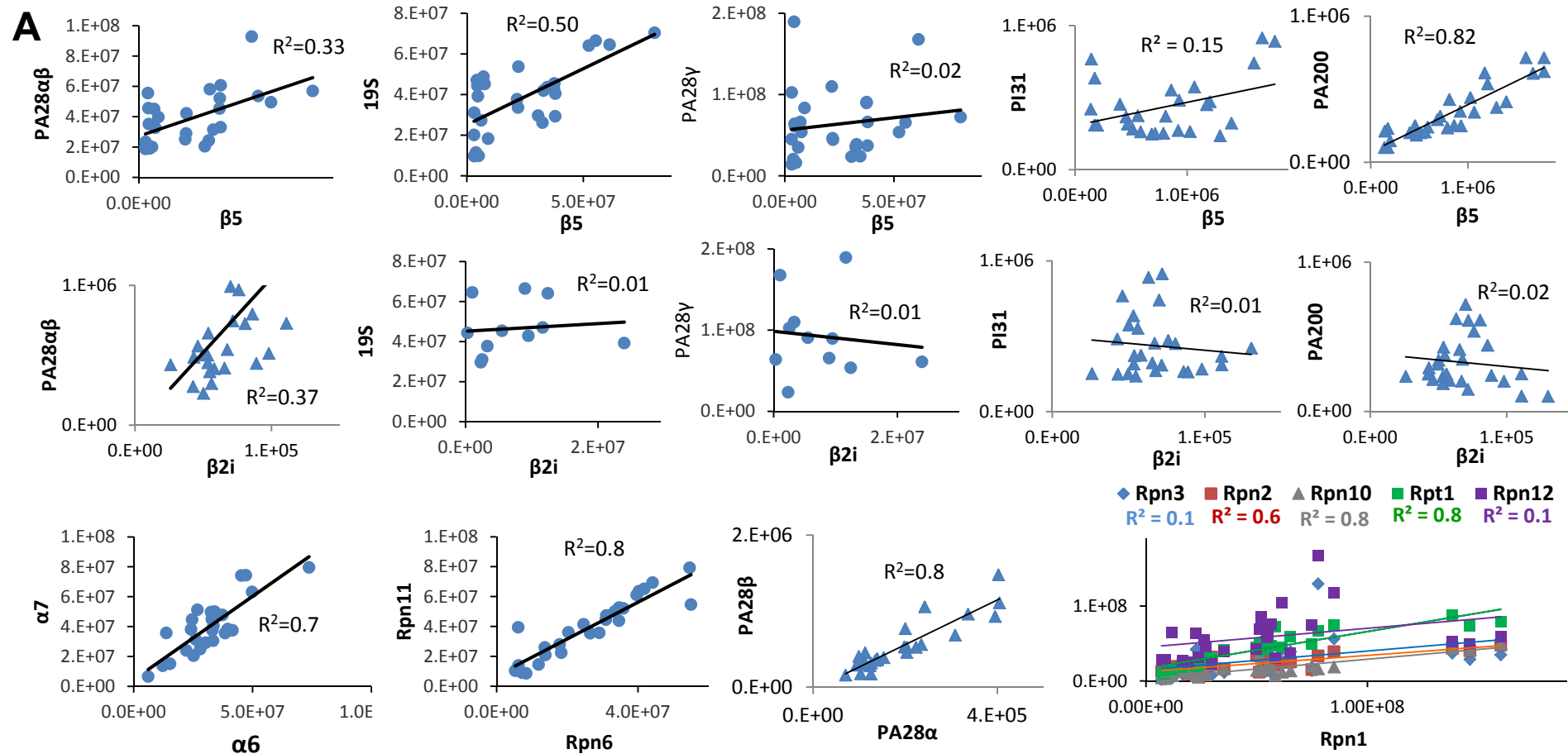


Figure S5: Correlations of proteins abundances in the total cell lysates of the 9 cell lines

A) Correlations of proteins abundances in the total cell lysates of the 9 cell lines. The abundances of the 5 main proteasome regulators (PA28 β , 19S, PA28 γ , PI31, and PA200) were plotted as a function of the abundances of the iP20S (represented by β 2i) or the sP20S (represented by β 5). Correlations of abundances of α 7 and α 6, Rpn6 and Rpn11, PA28 β and PA28 α , and Rpn1 with Rpt1, Rpn2, Rpn3, Rpn10, and Rpn12. PA28 $\alpha\beta$ abundance corresponds to the median of PA28 α and PA28 β abundances and the 19S abundance corresponds to the median of Rpt1-6, Rpn1-3, 5-14 abundances.

Protein abundances were obtained by calculating the PAI from label free MS quantification (blue circles) or from MRM quantification (blue triangles), as detailed in the Supplementary Materials and Methods.

B) Plot of the R^2 values in the 24 cell total lysates between the iP20S or the sP20S and 193 proteins correlating ($R^2 > 0.8$) with the iP20S, the sP20S or the ncP20S in proteasome complexes.