The proteasome inhibitor Bortezomib induces tongue, pharynx and salivary gland cancer cells death *in vitro* and delays tumor growth of salivary gland cancer cells transplanted in mice

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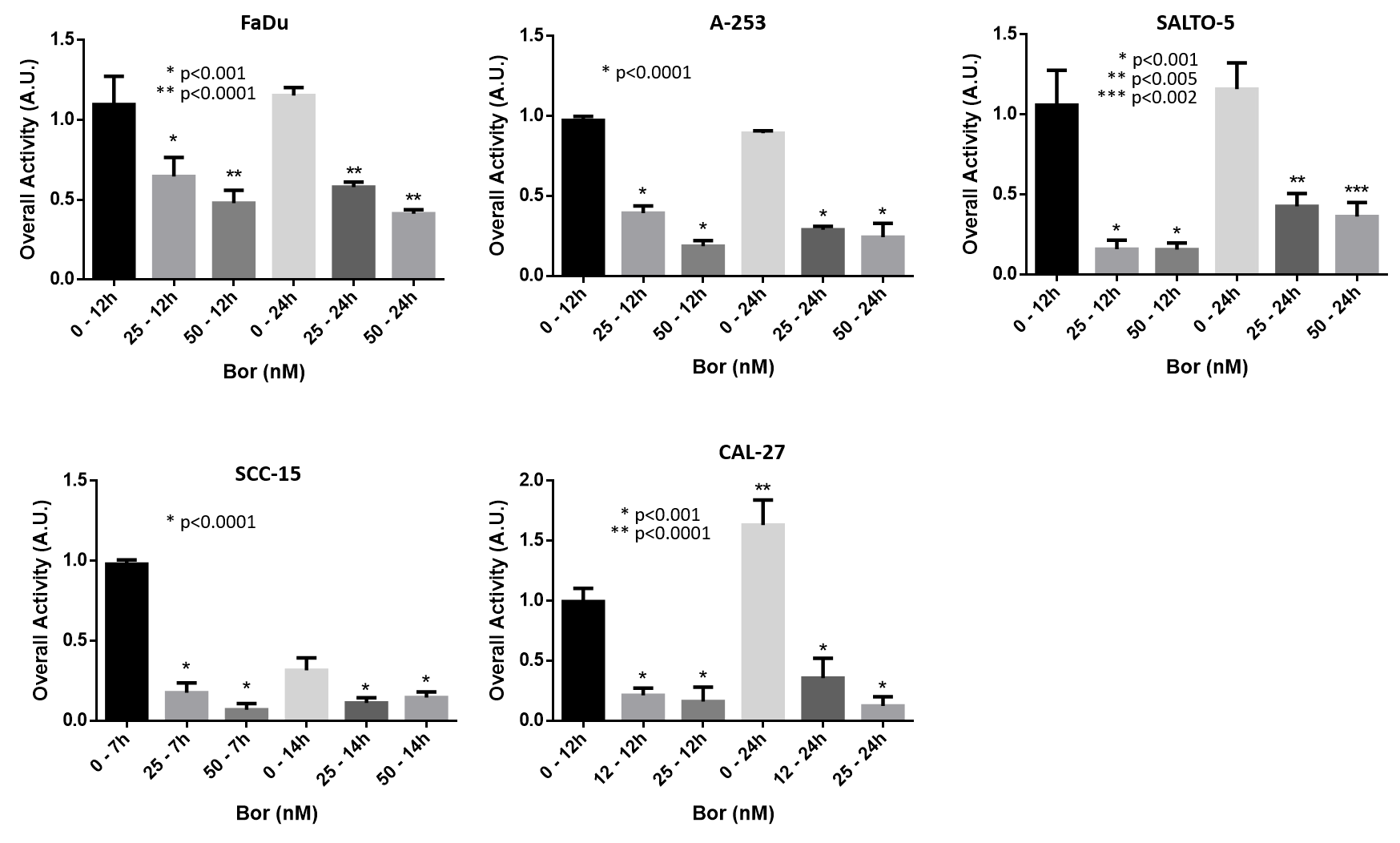
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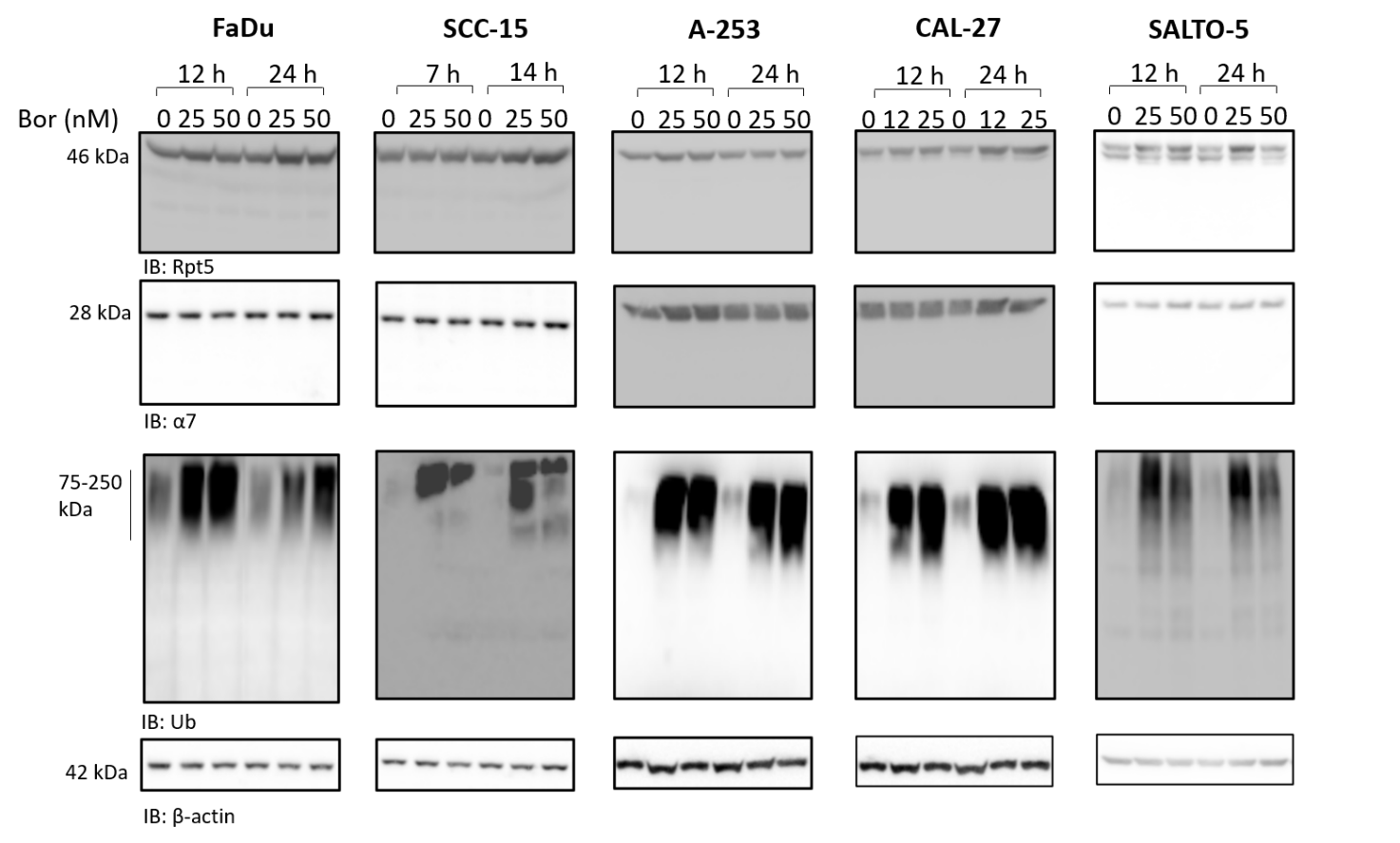
**‡** These last authors contributed equally to this work

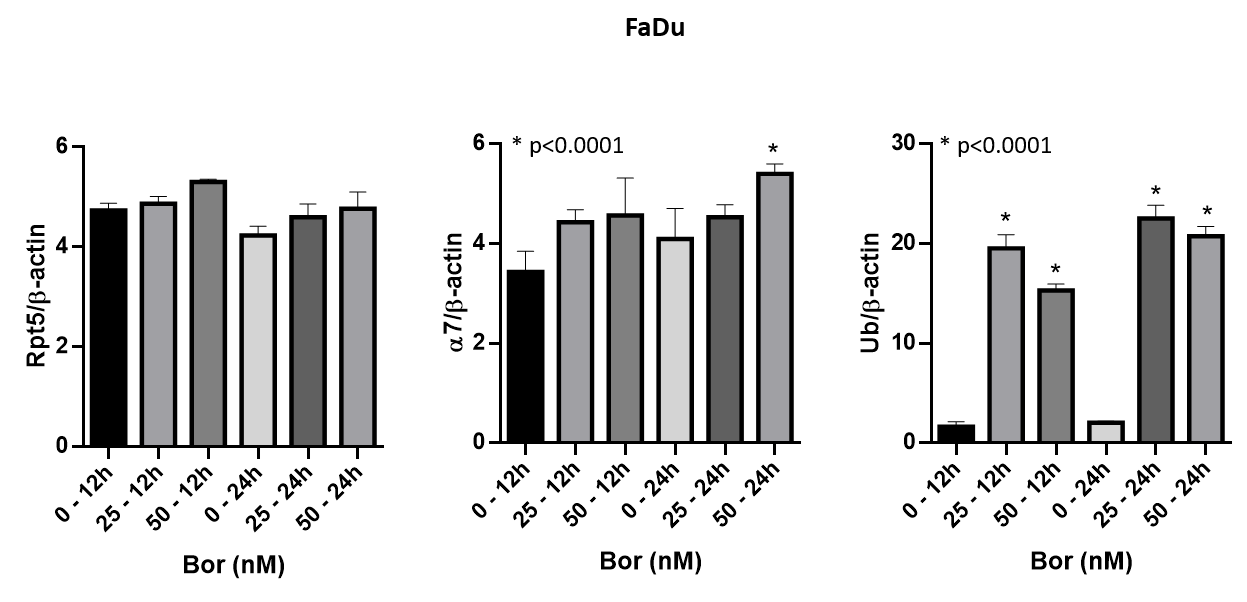
**SUPPLEMETARY INFORMATIONS**

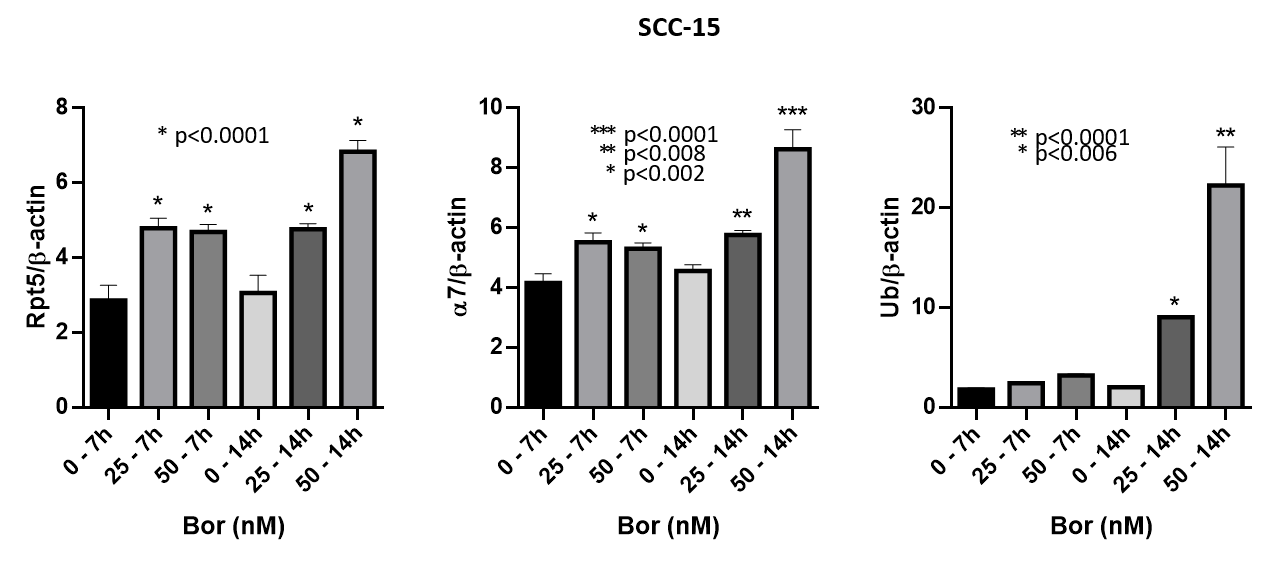


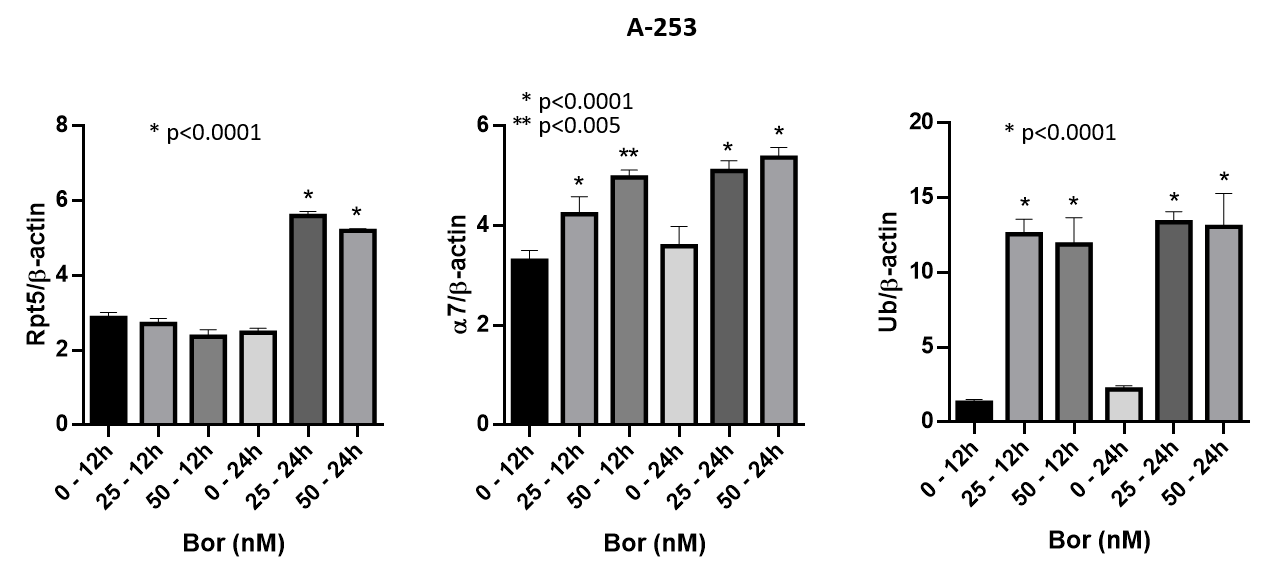
**Figure S1:** Semi-quantitative analysis of proteasome proteolytic activity.

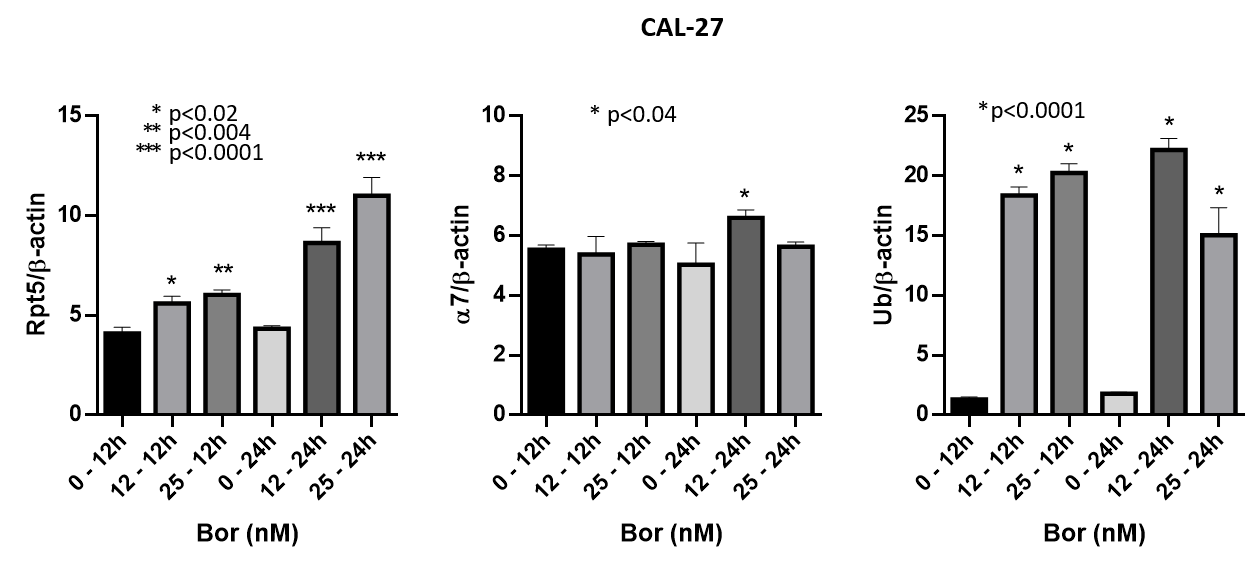
Proteasome activity of particles shown in Figure 6A, was determined by calculating the overall light intensity of all proteasome assemblies along the lane. A nominal value of 1 was assigned to the intensity of the untreated cell harvested at the earliest time-point; A representative panel of a single experiment is shown. Every assay has been carried out three independent times. Data are presented as mean±SD (n=3). One-way ANOVA followed by Tukey’s post-hoc significance test. The statistical analysis reported refers to the ratio between each Bortezomib-related experimental condition *vs* untreated cells at the same time-point.

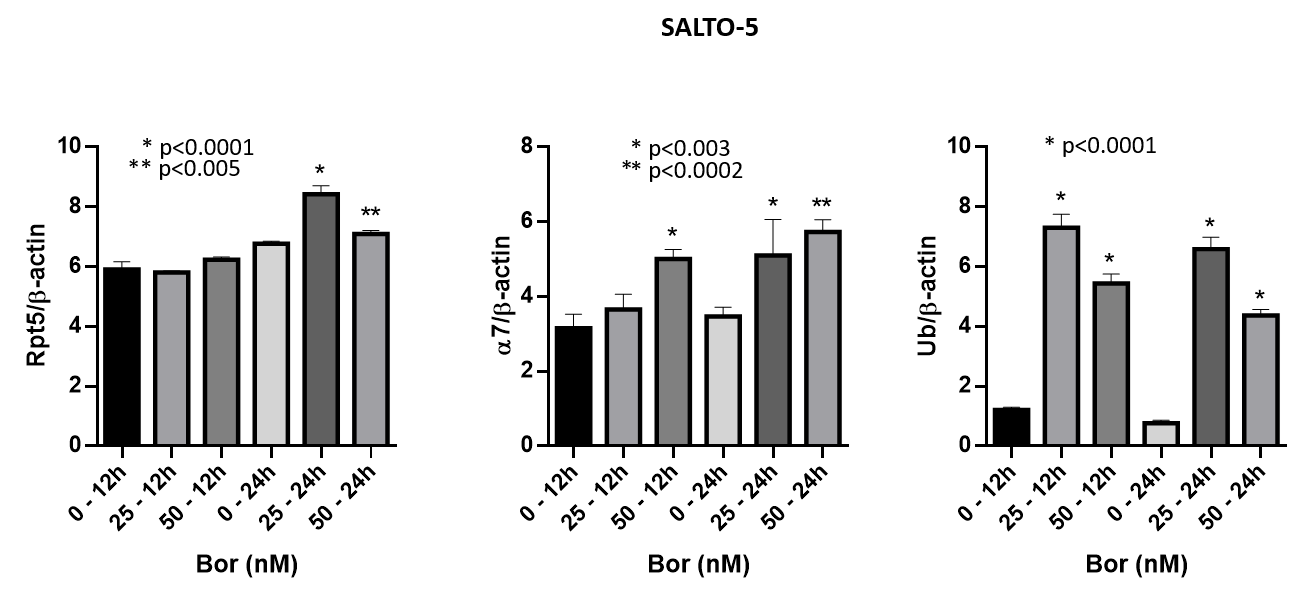










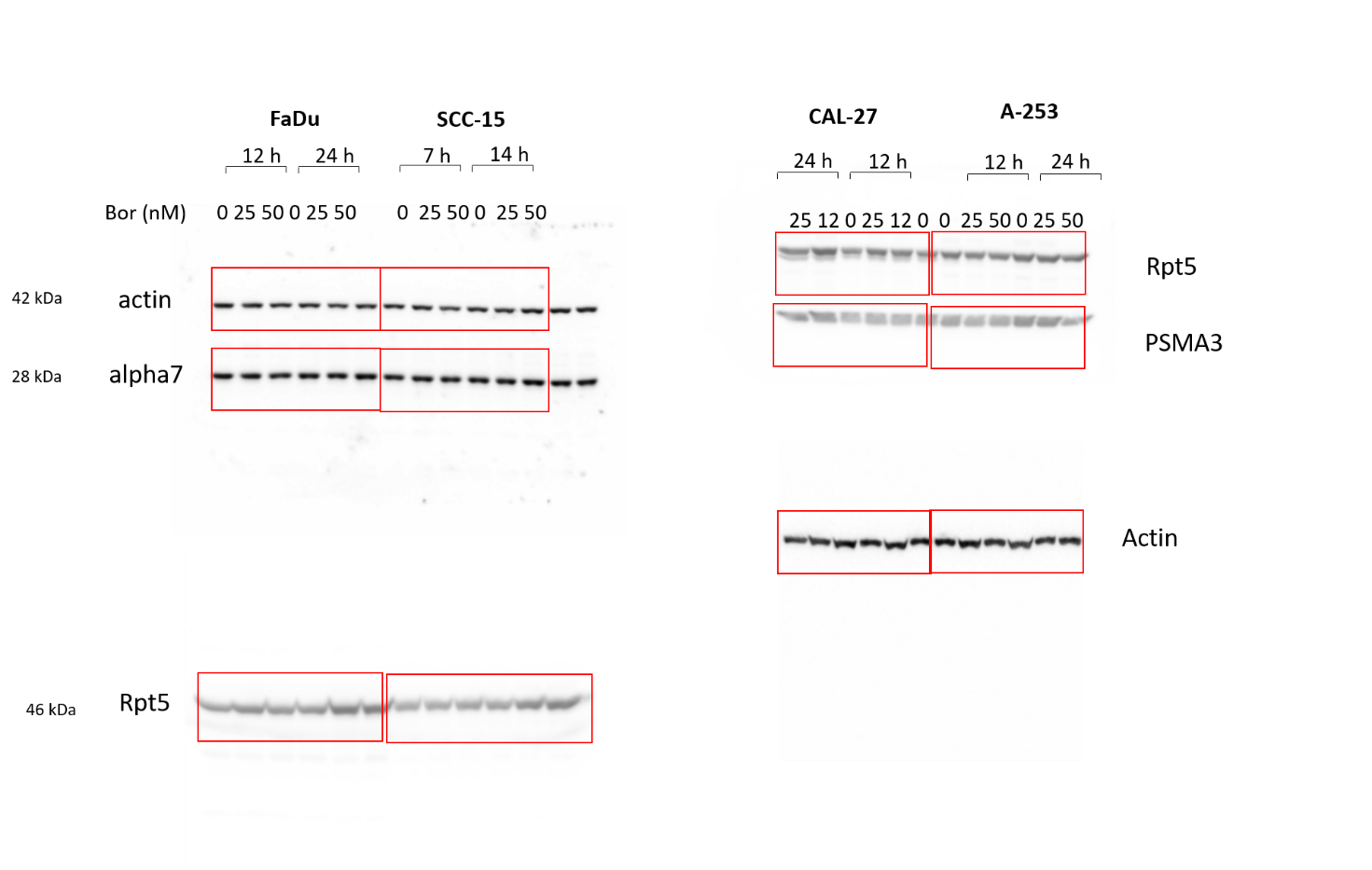


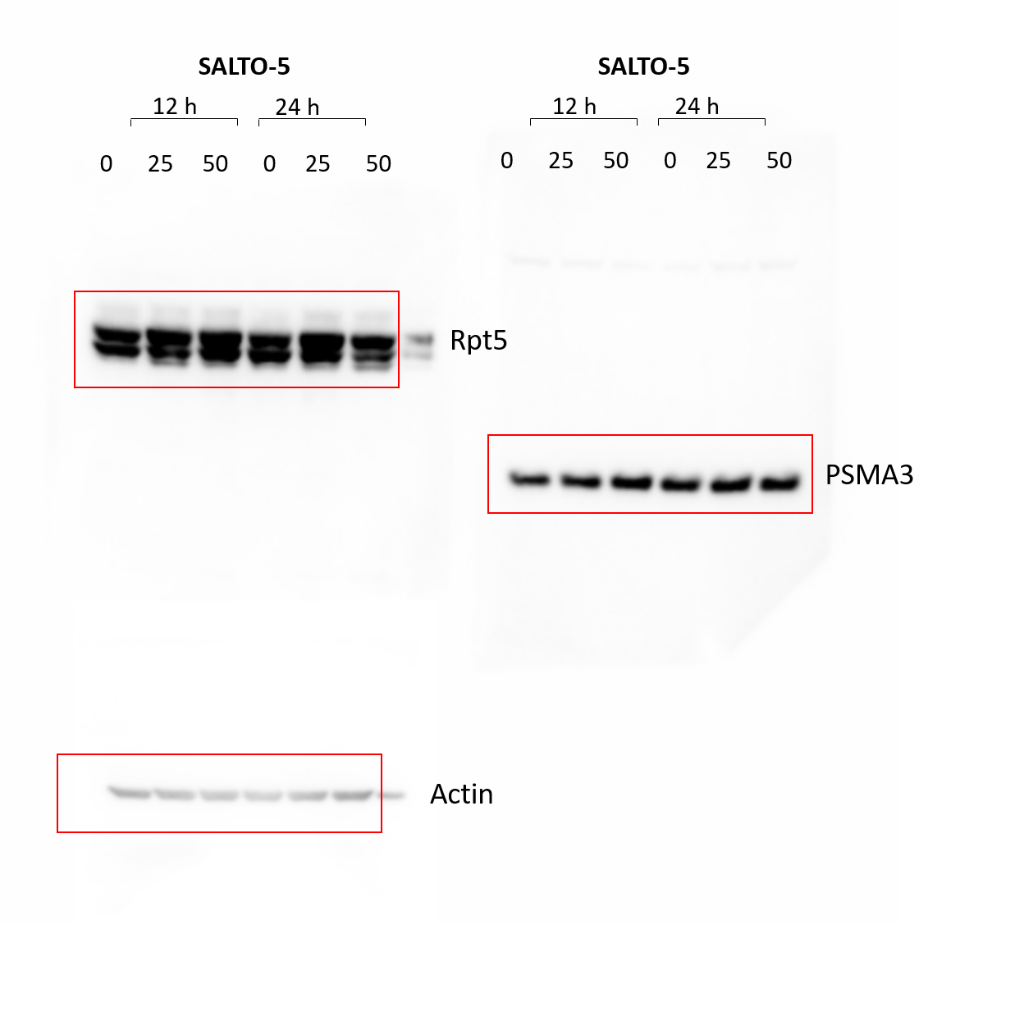
**Figure S2**: Semiquantitative analysis of selected proteasome subunits and of poly-ubiquitinated proteins.

Cytosolic extracts of cell lines were analysed for free α7, Rpt5 and poly-ubiquitinated proteins by denaturing and reducing Western Blotting. β-actin was used as internal control. A representative panel of a single experiment is shown. Every assay has been carried out three independent times. Densitometric analysis of immunoblotting data are presented as mean±SD (n=3). One-way ANOVA followed by Tukey’s post-hoc significance test. The statistical analysis reported refers to the ratio between each Bortezomib-related experimental condition *vs* untreated cells at the same time-point. Uncropped western blots are reported in Supplementary Fig. S4.

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**Figure S3:** Uncropped Western blots corresponding to Figures 3, 4, 5. Note that the membranes were cut before probing.





**Figure S4:** Uncropped Western blots corresponding to proteasome subunits expression in Supplementary Fig. S2.