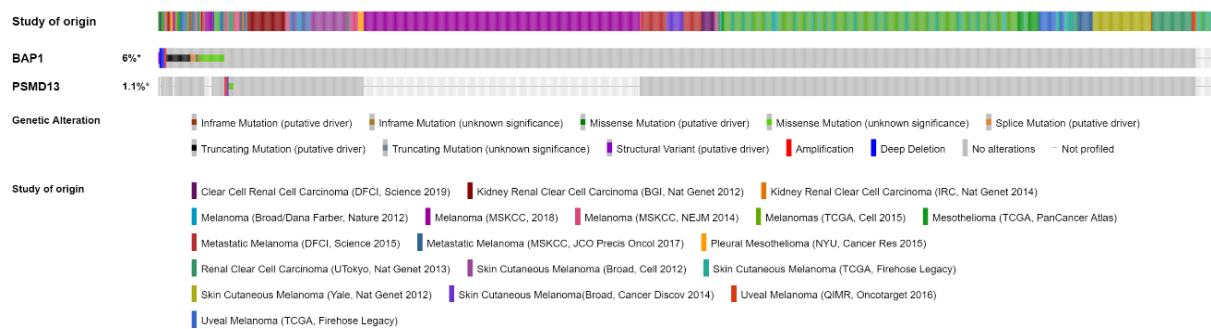


Supplementary Figure S1. *ubh-4* mutations do not affect the tissue expression of the proteasome. A. Representative micrographs of proteasome immunostaining (20S Ab) in dissected oocytes (upper panels) and germlines (lower panels, indicated by white arrowheads) of wild-type and *ubh-4* deletion (CER535 animals). B. Images representing proteasome immunoreactivity of wild-type and *ubh-4* mutant animals in the oocytes upon immunohistochemical staining with 20S Ab (oocytes are indicated by white arrowheads).



Supplementary Figure S2: Genetic alterations in *BAP1* and *PSMD13* do not cooccur in *BAP1*-TPDS related cancers. Schematic representation of genetic alteration types affecting *BAP1* or *PSMD13* in a total of 2680 studies including melanoma, mesothelioma, and clear-cell renal carcinoma samples. Data collected from cBioportal ^{57,62}.