



Fig. S3. Keratin 10 (K10) co-localizes with proteins involved in proteasome-mediated degradation but the co-localizations are not enriched in keratin aggregates. Epidermolytic ichthyosis (EI) keratinocytes were stained for co-localization of K10 with chaperone-dependent E3 ubiquitin ligase C terminus of Hsc70-interacting protein (CHIP) (a, d), ubiquitin (b, e) and p-p38 (c, f) by *in situ* proximity ligation assay (PLA) (red) before (a–c) and after (d–f) heat stress, followed by counterstaining with the K10 antibody to detect keratin filaments and aggregates (green). Keratin 10 co-localized with CHIP, ubiquitin and p-p38 in the cytoplasm in control and heat-stressed cells. However, K10 aggregates (arrows) were not detected in close proximity to the PLA signals, not even after heat stress.