

Fig. S1 Workflow of semantic cluster analysis. The original qPCR data matrix is divided into 3 groups of samples according to their type of tissue. For each tissue combination, we performed statistical analysis to reveal two sets of genes: organ specific and general genes. Together with ontologies, the sem1R algorithm is run for each set of genes individually to induce a hypothesis describing specifics of organ specific genes over the general ones.

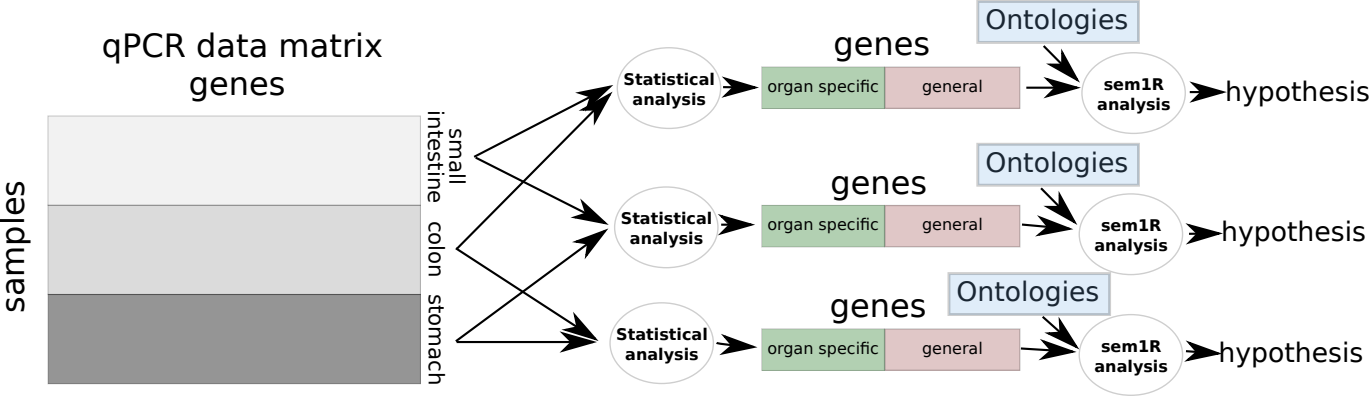


Fig. S2 Heatmap of the differential expression of Ub-ligases and ubiquitination-related genes after induced epithelial damage.

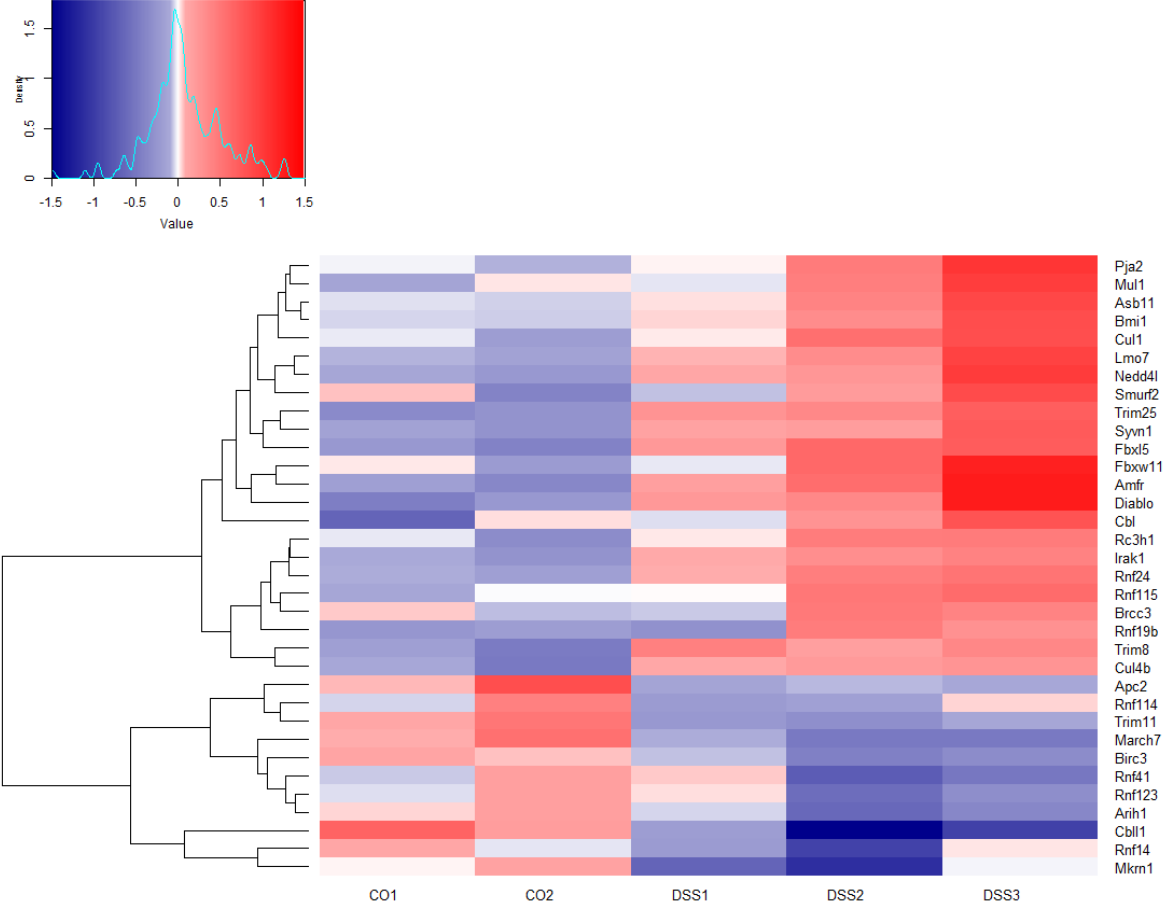


Fig. S3 Differential expression of Ub-ligases and ubiquitination-related genes after induced epithelial damage.

