



Supplementary figure 2: RNA-sequencing of Atlantic salmon skin during infestation with LsLGP3 knock-down salmon louse. mRNA transcript levels of significantly differentially expressed genes between LsLGP3 knock down (KD) and control of infested fish at the lice attachment site analysed by RNA-sequencing ( $p$ -adjusted < 0.05). Scaled Atlantic salmon skin samples taken at and away from the LsLGP3 (KD) and control (Ctrl) salmon louse infestation site. Normalised counts for each sample are plotted above a boxplot of median  $\pm$  interquartile range ( $n=5$ ) in non-infested fish (Uninf), and infested fish at the lice attachment site (Infpos) and non-attachment site (Infneg) for Ctrl and LsLGP3 KD salmon lice.