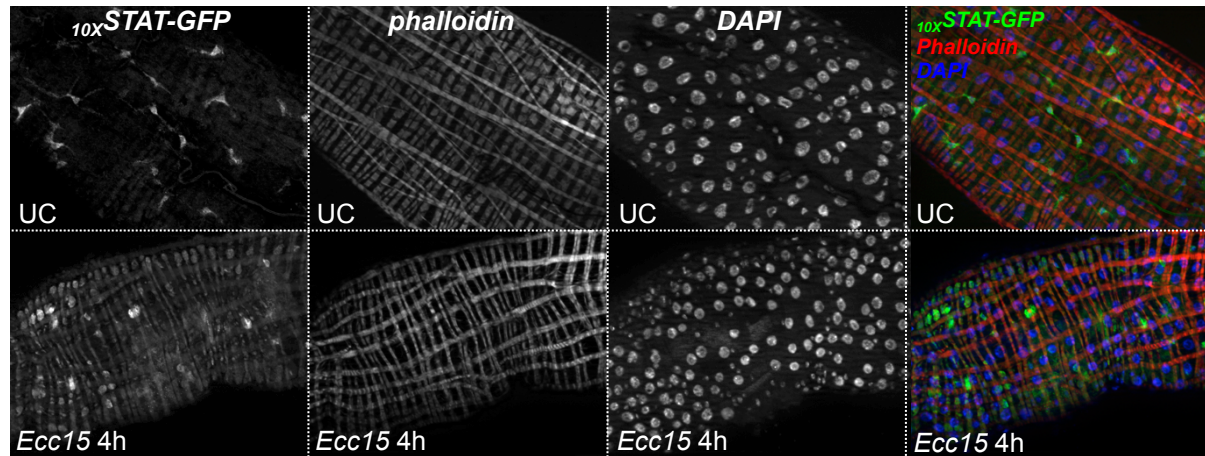




Additional file 9. JAK/STAT pathway is activated in the visceral muscles.

Apotome sections of the basal surface of the gut of *10X^{STAT}-GFP* flies were co-stained by rhodamine phalloidin (marking F-actin that is highly enriched in visceral muscles) and with an anti-GFP antibody (indicative of JAK/STAT pathway activity). In unchallenged conditions, the JAK/STAT pathway activity was found in precursor cells (upper panels) but not in visceral muscles (phalloidin staining). Upon infection with *Ecc15* the JAK/STAT pathway activity was detected in circular visceral muscles (marked with phalloidin) in addition to the previously reported activation in progenitor cells and enterocytes (see text and Figure 4).