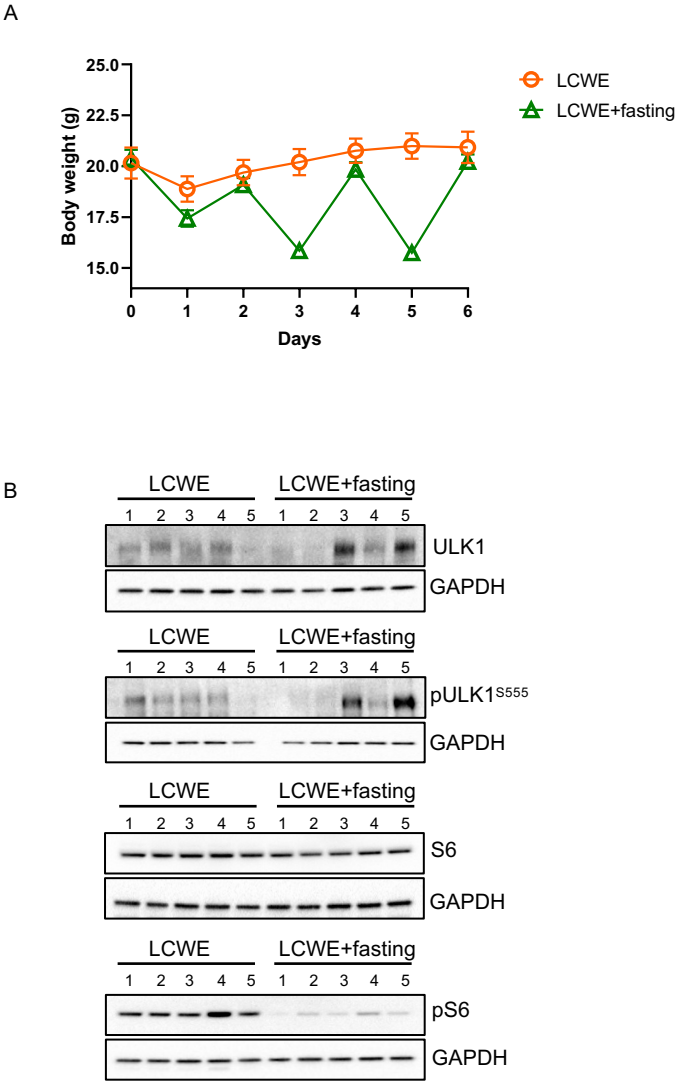
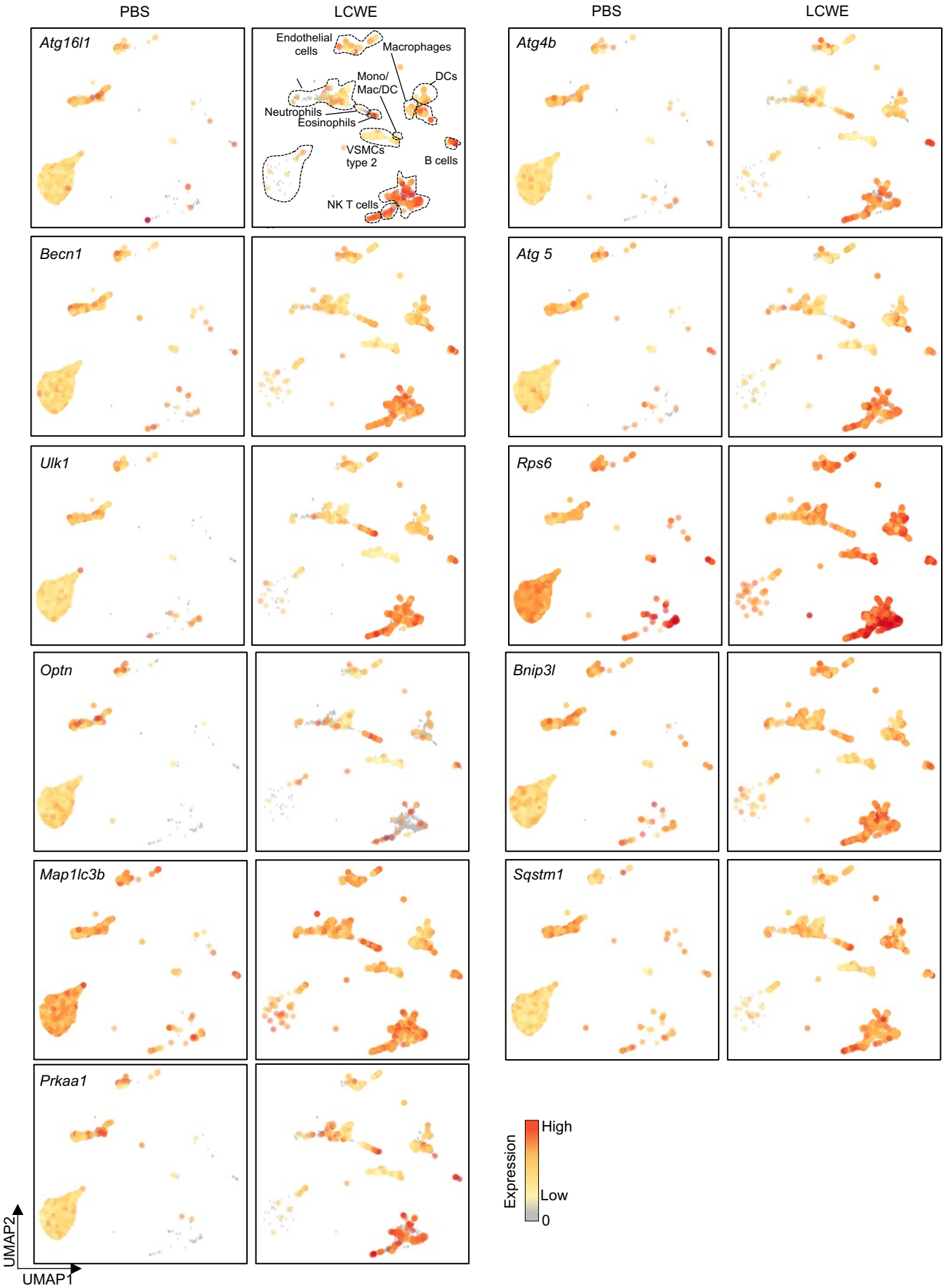
Supplementary Figure 1



Supplementary Figure 1. Modulation of autophagic flux by intermittent fasting during LCWE-induced KD vasculitis. (A) Body weight of LCWE-injected mice and LCWE-injected mice that were intermittently fasted for 24h every other day. Mice were weighed daily from the day of injection until tissue harvest (n=7/group). (B, C) Western blot analysis (B) and quantification (C) of autophagy related protein expression in whole lysate heart tissue of LCWE and LCWE-injected mice that were intermittently fasted for 24h every other day, at one week post-LCWE injection (n=5/group). *p<0.05, **p<0.01, ***p<0.001 by Mann-Whitney U test (pS6/S6 panel C) and unpaired Student *t* tests for all other panels.

Supplementary Figure 2



Supplementary Figure 2. Expression of autophagy and mitophagy related genes in LCWE-induced abdominal aorta aneurysms. UMAP visualization split to show separated visualization of scRNA-seq analysis from the abdominal aorta of PBS and LCWE-injected mice two weeks post LCWE-injection. UMAP plots represent a gradient of expression of selected genes related to the autophagy and mitophagy pathway (yellow-red gradient of low to high expression; grey, no expression).