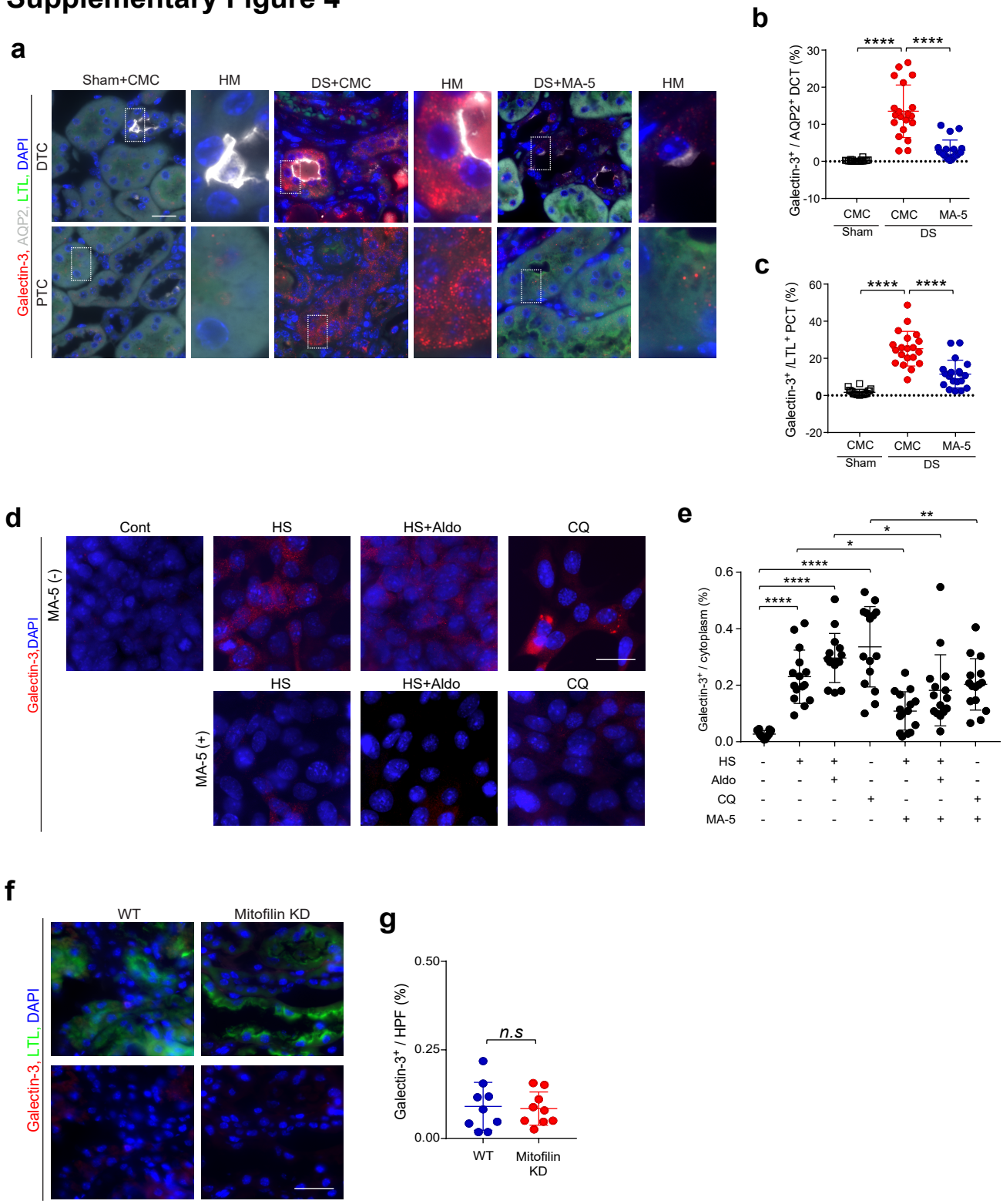
Supplementary Figure 4



Supplementary Fig. 4. The effects of MA-5 on galectin-3 positive damaged lysosome in DS mice, MDCTs, and mitofilin KD mice.

(a) Representative images of galectin-3 in AQP2+ distal tubules and LTL+ proximal of DS mice. Scale bars: 20 µm. (b) Corresponding quantitation for galectin-3+ area/AQP2+ distal tubules and (c) for galectin-3+ area/LTL+ proximal tubules. (d) Representative images of galectin-3 in MDCTs treated with HS, HS+Aldo, or CQ in the presence or absence of MA-5. Scale bars: 20 µm. (e) Corresponding quantitation of galectin-3+ area/cytoplasm. n=15 per each group. (f) Representative images of galectin-3 in the kidneys of WT and mitofilin KD mice and (g) the corresponding quantitation for galectin-3+ area/HPF. Scale bars: 20 µm. *P<0.05, **P<0.01, ***P<0.001, and ****P<0.0001. LTL, Lotus Tetragonolobus Lectin; AQP2, aquaporin-2; MDCTs, Mouse distal convoluted tubule cells; WT, wild type; HPF, high power field; HM, high magnification.