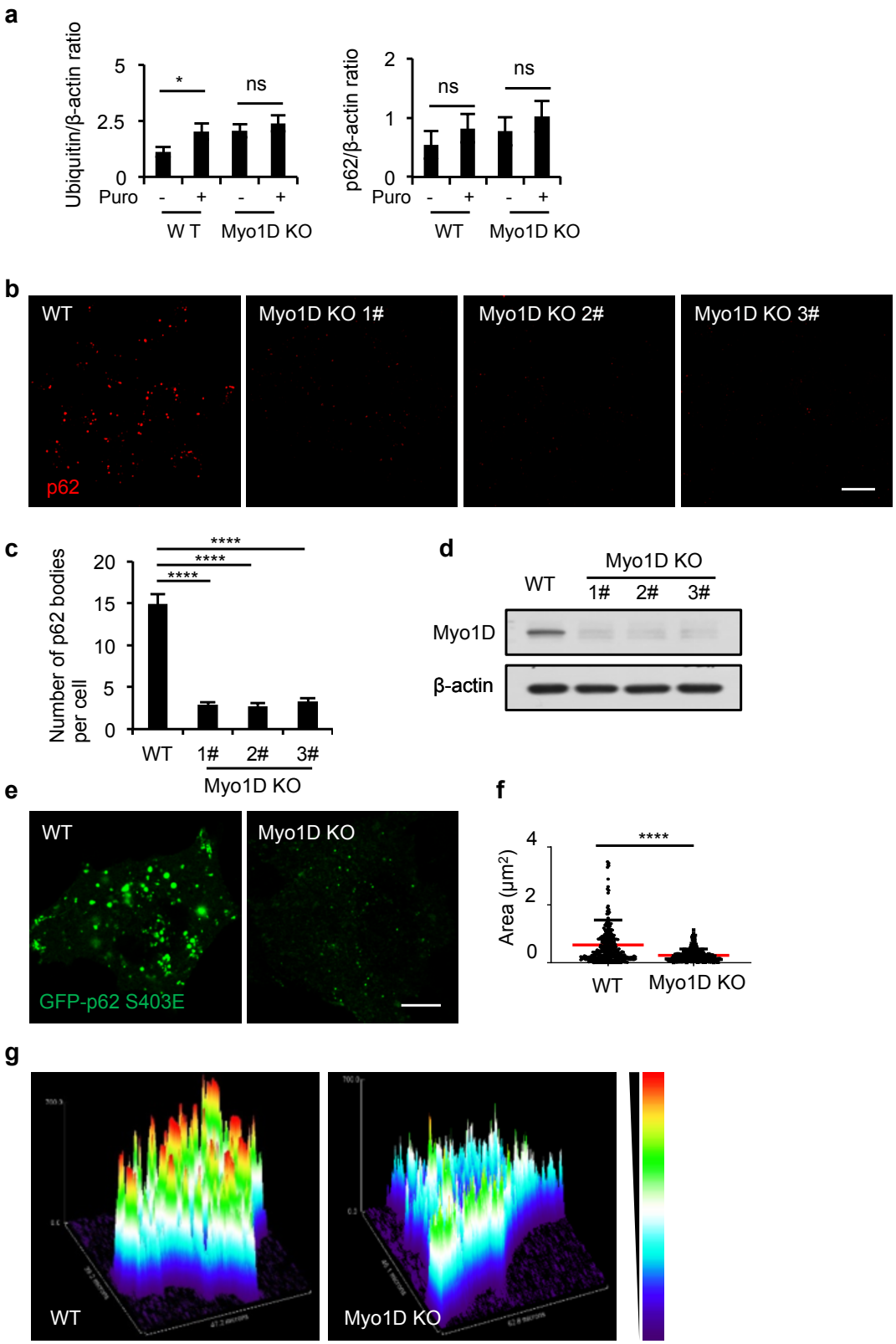

Supplementary information, Figure S5. Knockout of Myo1D abolishes p62 body formation, related to Figure 4

(a) Quantification of the amount of p62 and Ub in Western blot. The ratio of p62/β-actin was analyzed in Fig. 4d. P values were calculated using the two-tailed, unpaired t-test, n=3. * $P<0.01$; ns, not significant.

(b) Wild-type NRK cells and Myo1D knockout cells were treated with 1 mg/ml puromycin for 8 h and stained with p62 antibody. Scale bar, 10 μm.

(c) The number of p62 puncta was quantified in cells from (a) (3 independent experiments; 50 cells were assessed per independent experiment). P values were calculated using the two-tailed, unpaired t-test. **** $P<0.0001$.

(d) Immunoblot confirming the establishment of independent Myo1D knockout cells.

(e) EGFP-p62 S403E was transiently expressed in wild-type NRK cells or Myo1D knockout cells. Scale bar, 10 μm.

(f) The area of p62 bodies in (d), The P value for the size difference of p62 bodies in WT and Myo1D KO cells was calculated using the two-tailed, unpaired t-test. **** $P<0.0001$.

(g) EGFP intensity variation of p62 bodies in (d).