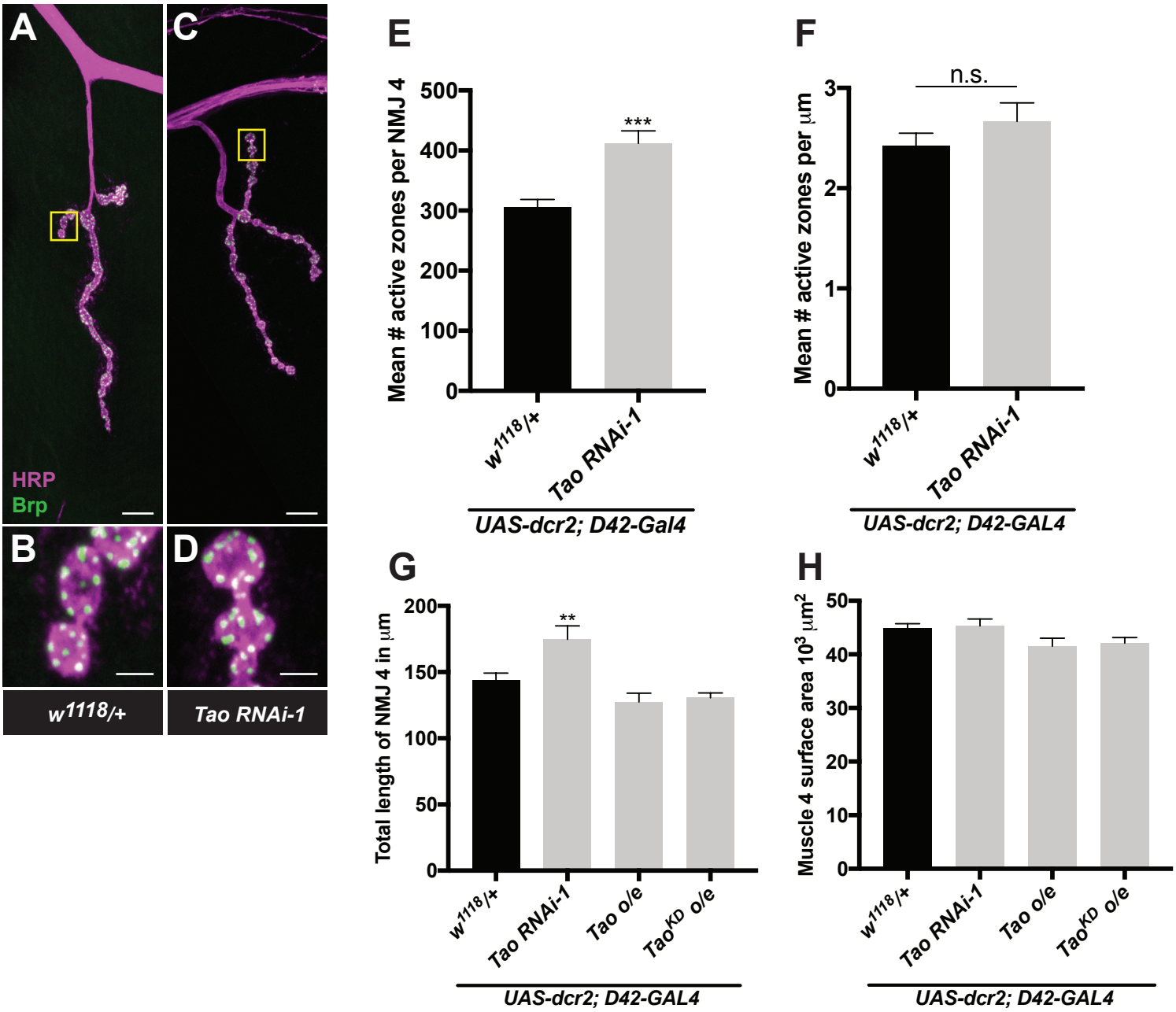Supporting information Figure S4