



Figure 5 supplement 1. Optogenetically-induced muscle calcium response requires all-trans retinal and depends on synaptic transmission

(A) Calcium responses in intact adult animals cultured with all-trans retinal (ATR) (n=17).

(B) No calcium responses in intact adult animals cultured without ATR (n=24).

(C) No calcium responses in intact *unc-13(e51)* animals with ATR (n=25).

(D) No calcium responses in *unc-13(e51)* animals 48hr after axotomy with ATR (n=24).