

Table S3. Total number of type III boutons and axonal branch length in controls, *wit* mutants and *wit* rescue

Genotype	Number of boutons	Total projection length (μm)
<i>Ccap-GAL4, UAS-CD8-GFP/+; wit^{A12}/+</i>	25.0 \pm 11.4 (n=18)	470.7 \pm 159.4 (n=18)
<i>Ccap-GAL4, UAS-CD8-GFP/+; wit^{A12}/wit^{B11}</i>	12.2 \pm 5.5 (n=20); <i>P</i> =0.0009*	310.6 \pm 104 (n=20); <i>P</i> =0.0005*
<i>Ccap-GAL4, UAS-CD8-GFP/UAS-wit;</i> <i>wit^{A12}/wit^{B11}</i>	19.9 \pm 11.8 (n=21); <i>P</i> =0.02**, <i>P</i> =0.15, NSD*	572.4 \pm 137.2 (n=21); <i>P</i> <0.0001**, <i>P</i> =0.02*

In *wit* mutants, type III synapses on muscle 12 had significantly fewer boutons and a shorter projection length compared with control animals. Restoration of *wit* function using *Ccap-GAL4* resulted in a full rescue of bouton number and a significant expansion of projection length compared with the control. Mean \pm s.d.

*Compared with pertinent control; **compared with mutant; NSD, no significant difference.