

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Two-photon calcium imaging of Tg(elavl3:GCaMP6s) transgenic zebrafish larva expressing GCaMP6s in all neurons, perfused with 20 mM pentylenetetrazole (PTZ).

File Name: Supplementary Movie 2

Description: Two-photon recording of Tg(GFAP:Gal4)nw7; Tg(UAS:GCaMP6s) transgenic zebrafish larva expressing GCaMP6s in all radial glia, perfused with 20 mM pentylenetetrazole (PTZ).

File Name: Supplementary Movie 3

Description: Two-photon calcium imaging of Tg(elavl3:GCaMP6s) transgenic zebrafish larva expressing GCaMP6s in all neurons, upon application of 60 mM pilocarpine.

File Name: Supplementary Movie 4

Description: Two-photon recording of Tg(GFAP:Gal4)nw7; Tg(UAS:GCaMP6s) transgenic zebrafish larva expressing GCaMP6s in all radial glia, upon application of 60 mM pilocarpine.