

Materials List for:

Two Algorithms for High-throughput and Multi-parametric Quantification of *Drosophila* Neuromuscular Junction Morphology

Anna Castells-Nobau^{*1}, Bonnie Nijhof^{*1}, Ilse Eidhof¹, Louis Wolf², Jolanda M. Scheffer-de Gooyert¹, Ignacio Monedero^{3,4}, Laura Torroja³, Jeroen A.W.M. van der Laak^{2,5}, Annette Schenck^{*1}

¹Department of Human Genetics, Donders Institute for Brain, Cognition and Behaviour, Radboud University Medical Center

²Microscopical Imaging Centre (MIC), Radboud University Medical Center

³Department of Biology, Universidad Autónoma de Madrid

⁴Department of Clinical and Experimental Medicine, Linköping University

⁵Department of Pathology, Radboud University Medical Center

*These authors contributed equally

Correspondence to: Annette Schenck at Annette.Schenck@radboudumc.nl

URL: <https://www.jove.com/video/55395>

DOI: [doi:10.3791/55395](https://doi.org/10.3791/55395)

Materials

Name	Company	Catalog Number	Comments
Immunostaining			Dilution
Mouse anti-discs large 1	Developmental Studies Hybridoma Bank	AFFN-DLG1-4D6	1/25 (conjugated using the Zenon Alexa Fluor 528 Labeling Kit)
Rabbit anti-horseradish peroxidase	Jackson IR	323-005-021	1/500
Rabbit anti-Synaptotagmin	Gift from Hugo Bellen		Jan-00
Mouse anti-Cysteine string protein	Developmental Studies Hybridoma Bank	DCSP-1(ab49)	1/10 (conjugated using the Zenon Alexa Fluor 528 Labeling Kit)
Mouse anti-Bruchpilot	Developmental Studies Hybridoma Bank	nc82	Jan-50
Goat anti-mouse Alexa Fluor 488	Life technologies	A11029	1/200
Goat anti-rabbit Alexa Fluor 568	Life technologies	A11011	1/500
Zenon Alexa Fluor 568 Mouse IgG1 Labeling Kit	ThermoFisher	Z25006	
ProLong Gold Antifade Mountant	ThermoFisher	P36930	
Material	Company	Catalog number	Comments
Equipment			
Confocal microscope or fluorescence microscope	Leica SP5		
Zeiss Axio imager			
Computer	Mac or Pc		
Material	Company	Catalog number	Comments
Software			
FIJI			