NeuroData: RORB synapse annotations

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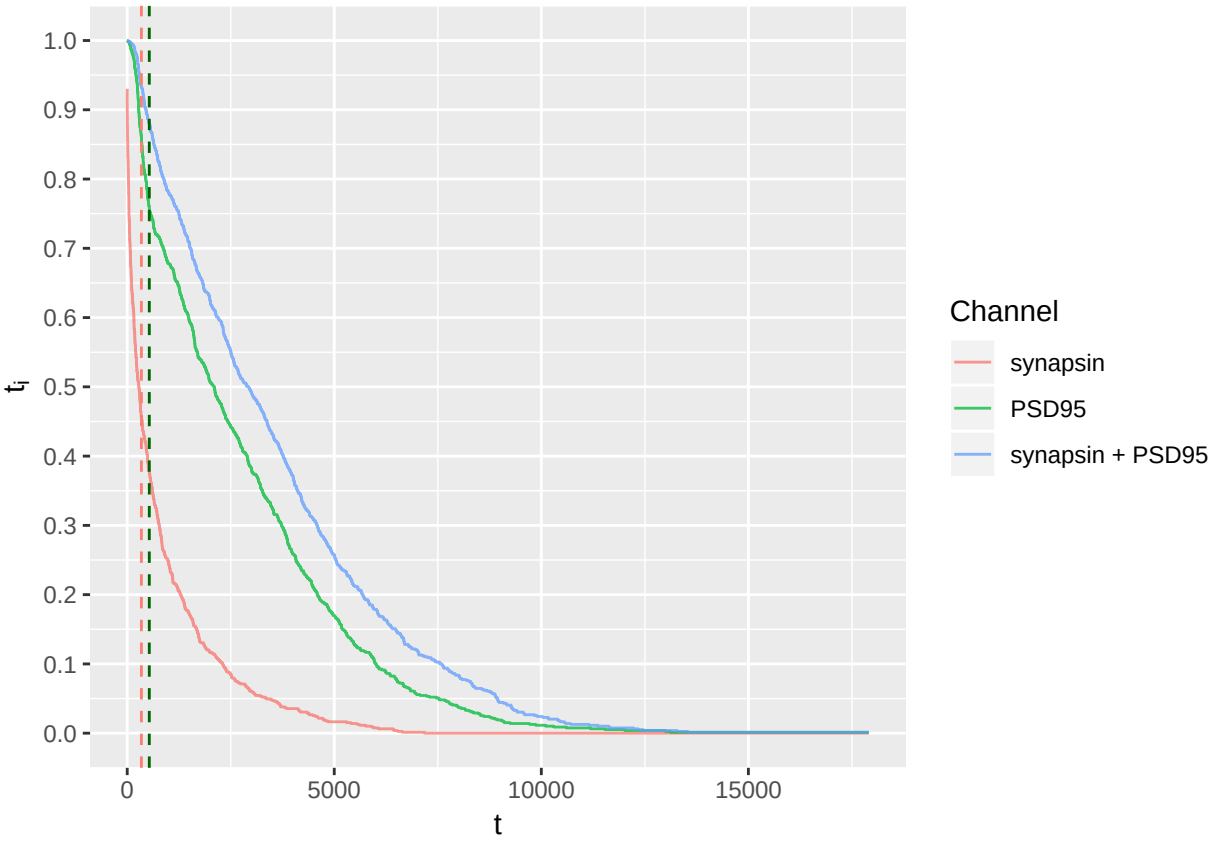
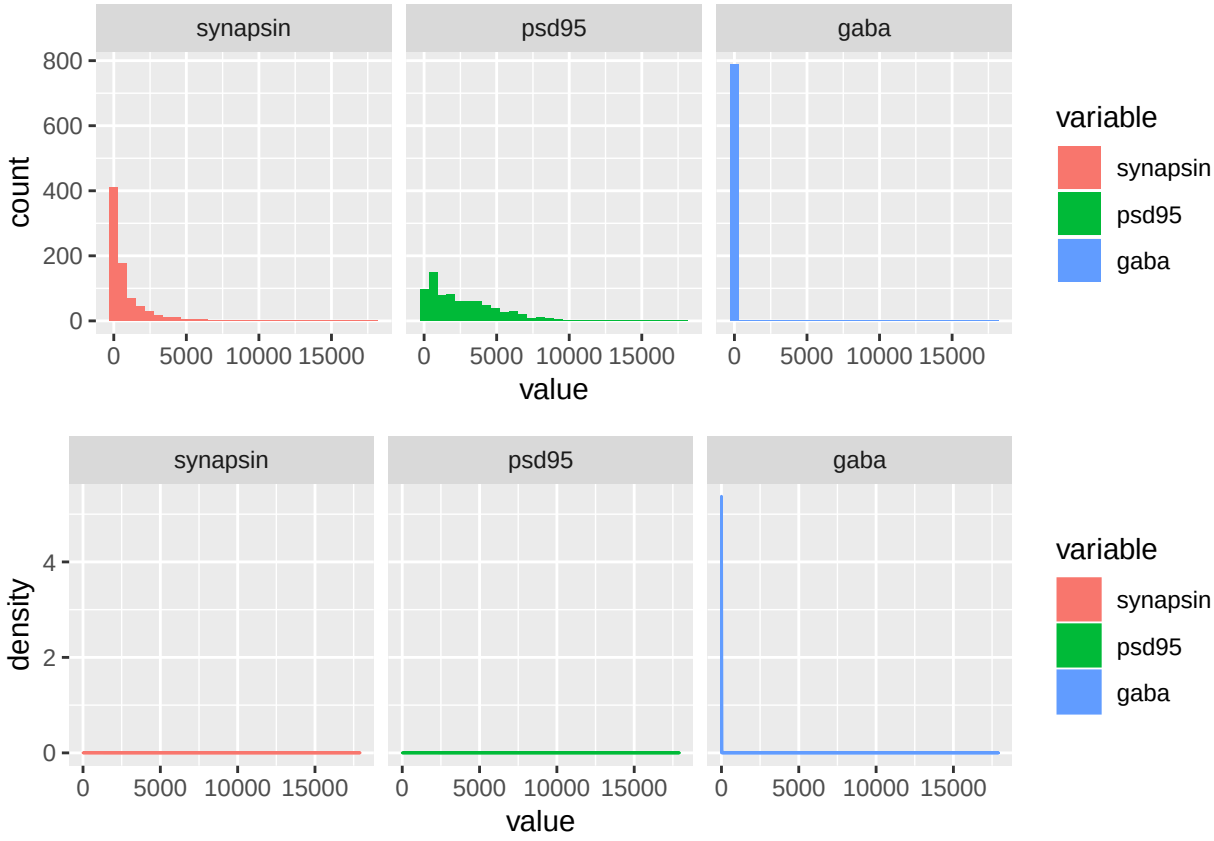
The data live in 8-bit (windowed) and 16-bit spaces. The annotations have been dilated in EM space $3 \times 3 \times 50$ nm voxels with a kernel $K = Ones(w, w)$ for $w = 32, 64, 80$.

16-bit data

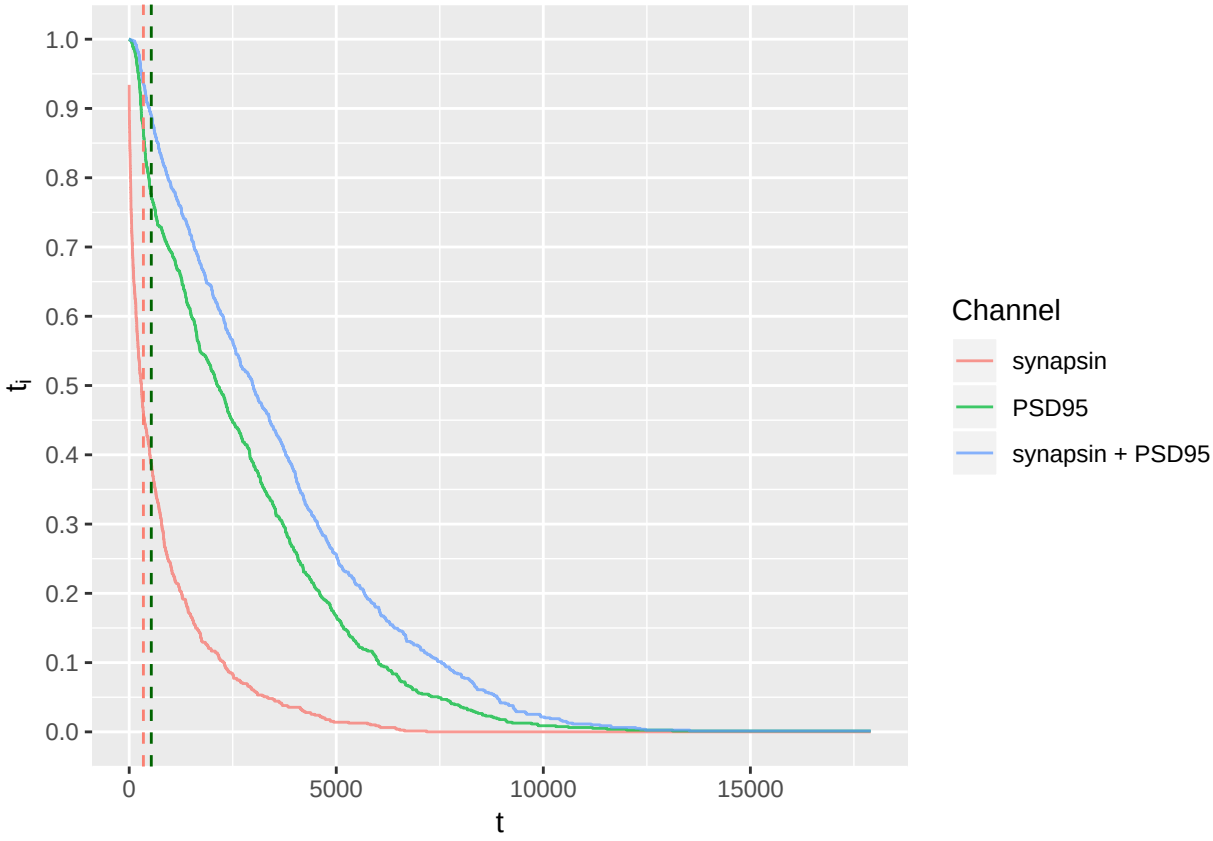
$K = Ones(32, 32)$



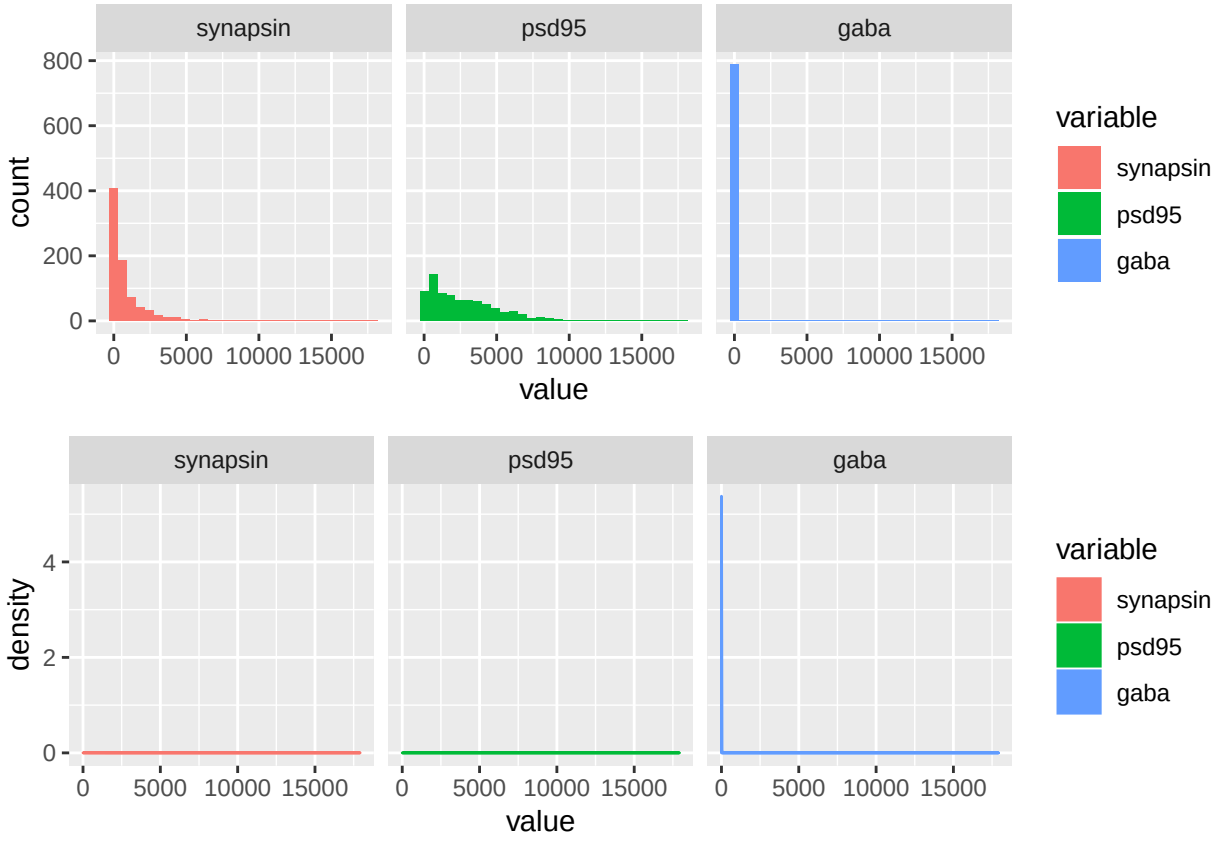
histograms


synapsin
psd95
gaba
count
800
600
400
200
0
0
5000
10000
15000
value
variable
synapsin
psd95
gaba
density
4
2
0

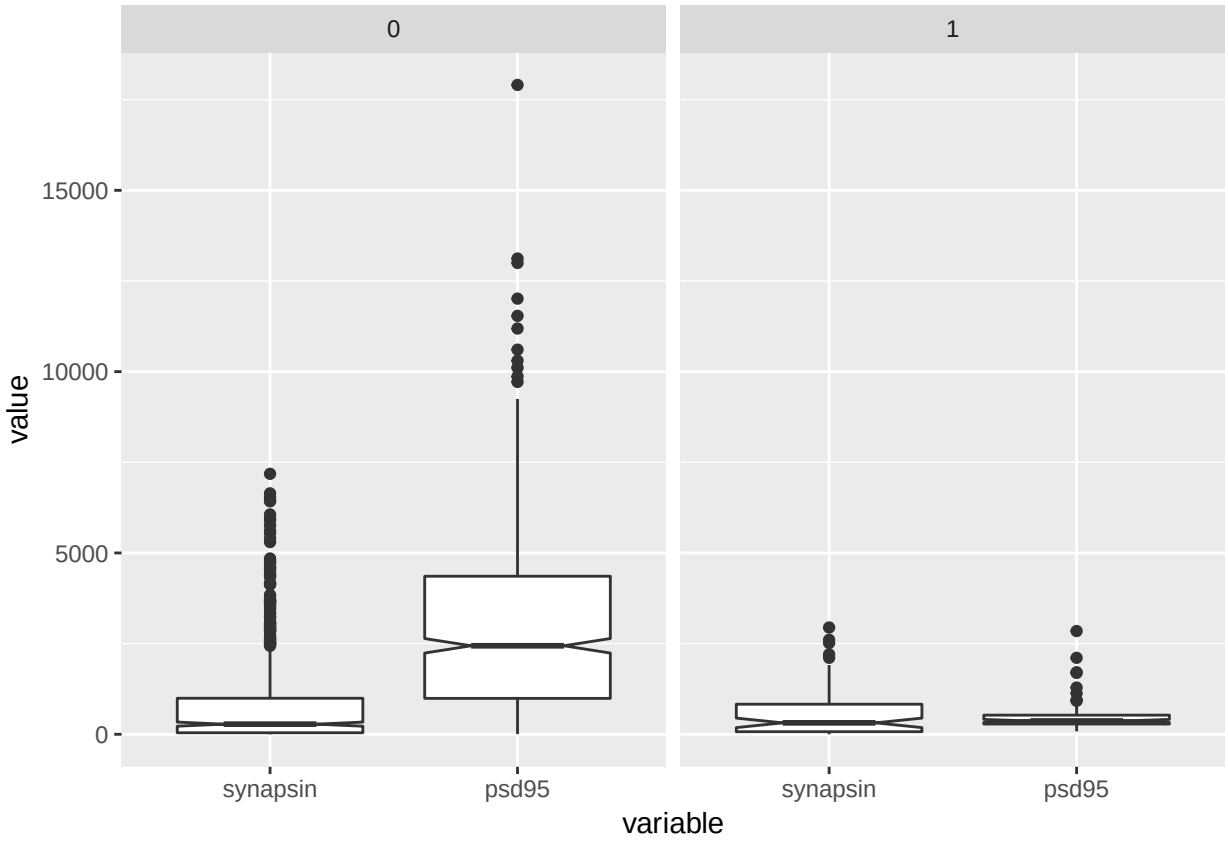
$K = Ones(64, 64)$

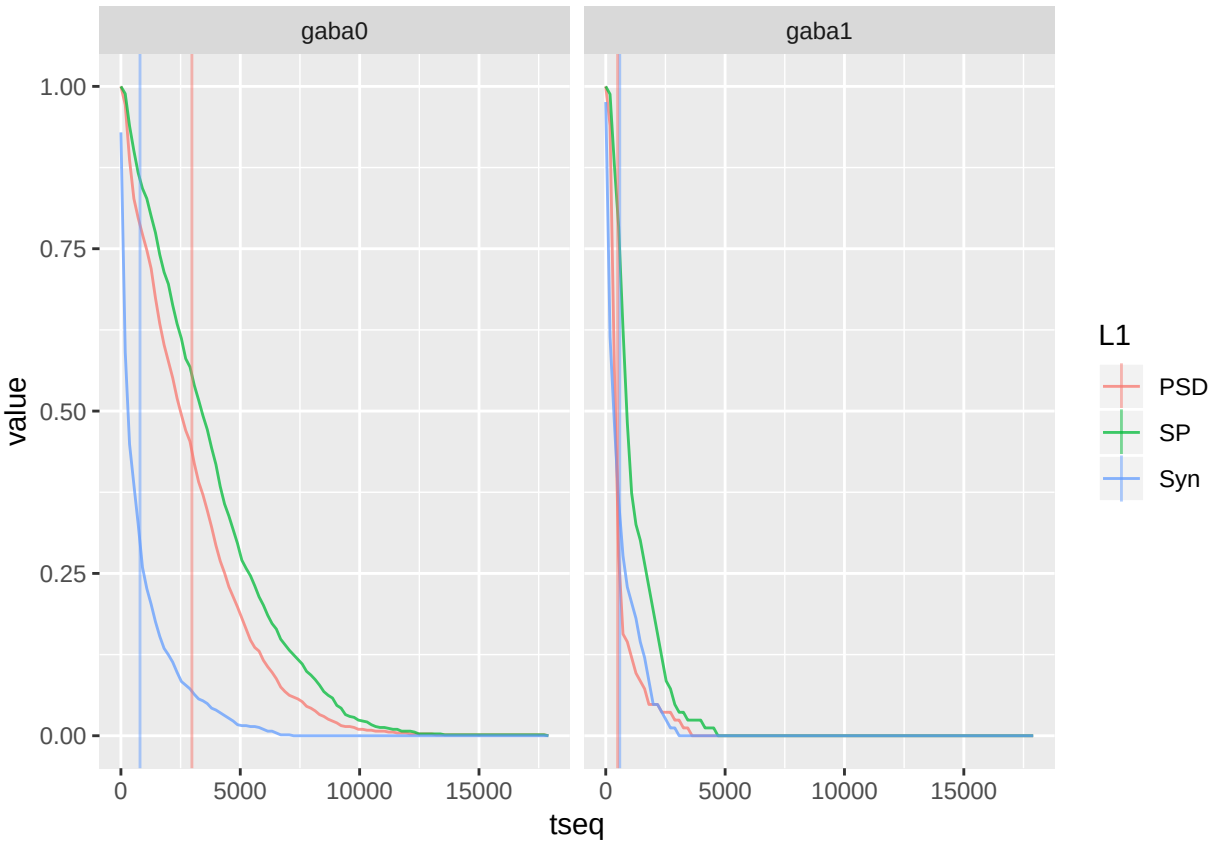

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
t_i
0
5000
10000
15000
t
Channel
synapsin
PSD95
synapsin + PSD95

histograms


synapsin
psd95
gaba
count
800
600
400
200
0
0
5000
10000
15000
value
variable
synapsin
psd95
gaba
density
4
2
0

Expression per class on 16-bit data.




gaba0
gaba1
1.00
0.75
0.50
0.25
0.00
value
0
5000
10000
15000
tseq
L1
PSD
SP
Syn