

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Average neuronal activity over time.

File name: Supplementary Data 2

Description: Soluble and insoluble amyloid beta concentrations.

File name: Supplementary Data 3

Description: Activity change of individual neurons over time.

File name: Supplementary Data 4

Description: Similarity index of activity levels.

File name: Supplementary Data 5

Description: Activity category of individual neurons in WT mice.

File name: Supplementary Data 6

Description: Activity category of individual neurons in APPPS1 mice.

File name: Supplementary Data 7

Description: Activity change highly active neurons.

File name: Supplementary Data 8

Description: Activity change intermediately active neurons.

File name: Supplementary Data 9

Description: Activity change rarely active neurons.

File name: Supplementary Data 10

Description: Reoccurrence rate of activity levels.

File name: Supplementary Data 11

Description: Fraction of stable activity category for neurons close and distant to amyloid plaques.

File name: Supplementary Data 12

Description: Activity change as function of plaque distance.

File name: Supplementary Data 13

Description: Pairwise activity correlations.

File name: Supplementary Data 14

Description: Pairwise activity correlations during stationary and whisking epochs.