Supplementary Material

Inhibition of NMDA receptors prevents the loss of BDNF function induced by amyloid β

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| **Supplementary Table 7.** Three-way ANOVA model for the effect of Aβ, calpastatin and BDNF on the number of dendritic spines (relates to Figure 3D in the main text). MS. Mean Squares. |
| Source | MS | *F* | *p* |
| Model | 18.521 | 25.36 | <0.0001 |
| Aβ | 4.572 | 6.26 | 0.0149 |
| Calpastatin | 21.313 | 29.18 | <0.0001 |
| BDNF | 34.225 | 46.86 | <0.0001 |
| Aβ x Calpastatin | 17.222 | 23.58 | <0.0001 |
| Aβ x BDNF | 3.020 | 4.13 | 0.0462 |
| Calpastatin x BDNF | 1.214 | 1.66 | 0.2020 |
| Residual | 0.730 |  |  |