

1 **S1 File. Methods: cAMP Level Measurement.**

2 Measurement was performed on neurons 1 hour after ESTIM. Neurons were rinsed with PBS and  
3 incubated for 10 min with 1 mM phenylmethylsulfonyl fluoride (PMSF, Cell Signaling) in lysis buffer  
4 (Cell Signaling). The cell lysate was then analyzed with Cyclic AMP XP<sup>®</sup> Assay Kit (Cell Signaling)  
5 following manufacturer's instructions.