

Supplementary Figure 1 : Related to Figure 2. Effect of deconvolution on VACHT- and VGLUT3-immunofluorescent spot resolution. (A) Representative raw STED image of VACHT and VGLUT3-immunofluorescent spots. (B) The same raw image after post-processing using the Gaussian blur filter in ImageJ with a radius of 1 pixel ($\sigma=1$). (C,D) Images after post-processing using Huygens Deconvolution with or without Gaussian blur filter. (E,F) Quantification of the mean diameter of VACHT- and VGLUT3- fluorescent spots with STED microscopy before and after deconvolution and Gauss blur filter. Quantification of 109 VACHT- and 100 VGLUT3- fluorescent spots. Wilcoxon matched-pairs signed rank test, $**p<0.0001$. Fluorochromes: Alexa 594 (VACHT), Abberior Star 635P (VGLUT3).

