



S8 Fig. RMSD deviation of the backbone atoms for the four systems of repeat 1 NRXN2. MEAN + STDEV ($1.71\text{nm} \pm 0.52$, $2.26\text{nm} \pm 0.52$, $1.27\text{nm} \pm 0.46$ and $2.14\text{nm} \pm 0.79$). Line colors: WT_noNAG = green, MUT_noNAG = light magenta, WT_NAG = red and MUT_NAG = blue.