



S12 Fig. RMSD deviation of the backbone atoms for the four systems of repeat 2 NRXN2, ($1.40\text{nm} \pm 0.33$, $1.98\text{nm} \pm 0.45$, $2.15\text{nm} \pm 0.51$ and $1.29\text{nm} \pm 0.29$). Line colors: WT_noNAG = green, MUT_noNAG = light magenta, WT_NAG = red and MUT_NAG = blue.