



Supplementary Figure 7: Nanoscale BACE1 Remodeling and Conservation

(e, f, g) The violin plots illustrate the normalized cross-species comparison of BACE1 nanodomain traits (Intensity, Length, and Area) across Human, iPSC, and Mouse models. The normalization was performed to the median Postsynaptic Control value for each species, confirming the statistically significant enrichment in the EZ (perisynaptic) and depletion in the PSD (postsynaptic) for the AD genotype across all tested systems.