Supplemental Figure 1: TSA treatment increases histone acetylation and SMN expression in the 5025 mouse brain. Heterozygous mice treated with daily IP injections of TSA (10 mg/kg) from PND2 to PND14 showed an increase in brain levels of AcH3 (A) and SMN (B) compared with DMSO treated littermates. SMA mice treated from PND2 to PND12 with daily TSA (10 mg/kg) injections showed an increase of SMN in the brain (C). Animals were sacrificed 4 hours after the final TSA injection. Representative western blots are shown on the left in each panel. AcH3 and SMN values were normalized to histone 4 (H4) and β-tubulin, respectively. Protein levels are expressed as percentage of controls. Each value represents the mean ± SEM (n≥4 mice per group; ***P<0.001, **P<0.005 Student’s t-test).