



ON-LINE FIG 1. TBSS analysis of term scans acquired at a postmenstrual age of 37–41 weeks in preterm-born infants with no overt signs of brain injury including moderate/severe white matter injury and intraventricular hemorrhage. *Top:* Mean FA map (red-yellow) demonstrates the significant positive linear association between cognitive scores assessed with the Bayley-III and FA in the territory of the medial prefrontal cortex (*left*), the genu of the corpus callosum (*middle*), and portions of the inferior fronto-occipital fasciculus (*right*, $P < .05$, corrected for multiple comparisons). The mean FA skeleton is shown in green. *Bottom:* FA ($R = 0.3, P = .005$), AD ($R = -0.15, P = .18$), and RD ($R = -0.26, P = .02$) values extracted from significant clusters in the FA map correlated with Bayley-III cognitive scores. The Spearman ρ correlation and an α level are set at .05.