Supplemental Figure 1. (A) Genomic structure and mutant alleles of Prickle 1 gene (from Liu et al, 2014). The Prickle 1a (hypomorphic) and Prickle 1b (null) alleles were bred together to produce the Prickle 1a/b compound mutant mice, designated as the severe Prickle 1 hypomorphic mutants in this study. (B) Immunoblot of tissue extracts from E13.5 embryonic hindpaws was probed with a customized polyclonal Prickle 1 antibody. Prickle 1 was not detectable in the Prickle 1b/b and only weakly expressed in the Prickle 1a/b mutants (from Liu et al., 2014). (C) Weak Prickle 1 expression in P1 brain cortex of the severe Prickle 1 hypomorphic mutants. Arrows points to the expected size of the Prickle 1 protein. Based on immunoblot, Prickle 1 expression was estimated as less than 25% of the wild type levels.