Supplementary Figure 1 Doublecortin (DCX) and the main proteins encoded by the doublecortin-like kinase (DCLK) gene: DCLK-long, Doublecortin-like (DCL), calcium/calmodulin-dependent protein kinase (CaMK)-related peptide (CARP) and DCLK-short. DCLK-long and DCL contain two DCX domains (Gleeson et al. 1999, Burgess & Reiner 2000, Vreugdenhil et al. 2007). DCLK-long and DCLK-short contain a CaMK-like domain (Schenk et al. 2007). CaMK-like kinase has previously been called CPG16, also known as CaMK-VI (Hevroni et al. 1998). DCLK-short is abundantly expressed in limbic structures of the adult brain (Vreugdenhil et al. 2001, Burgess & Reiner 2002, Engels et al. 2004). CARP transcript lacks both DCX and CaMK-like domains (Vreugdenhil et al. 1999). CARP expression is below detection levels under normal conditions. In contrast, CARP mRNA is highly up-regulated by kainate-induced seizures in the hippocampus (Vreugdenhil et al. 1999). Figure adapted from Schenk et al. (2007).