Abstract

We have previously shown that slow cell cycle can cause the establishment of adult NSCs at the SVZ, although the underlying mechanism remains unclear. We investigated the relationship between cell cycle rate and the lineage relationship between adult NSCs and ependymal cells that form the niche for adult neurogenesis at the SVZ. We hypothesized that cell cycle rate might influence the lineage relationship between adult NSCs and ependymal cells, which form the niche for adult neurogenesis at the SVZ.