Table S1. Primer sequence for qRT-PCR

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| Primers | Primer sequences | cell markers |
| GAPDH | F: GGCATTGCTCTCAATGACAAR:TGTGAGGGAGATGCTCAGTG | housekeeping gene |
| Nestin | F:GGAGGGCAGAGAAGACAGTGR: TGACATCCTGGACCTTGACA | neural stem cell |
| βⅢ-tubulin | F:GAATGACCTGGTGTCCGAGT R:CAGAGCCAAGTGGACTCACA |  neuron |
| GFAP | F: CACGAACGAGTCCCTAGAGCR: TCACATCACCACGTCCTTGT | astroglia |
| Cyclin D2 | F: CTGTGCGCTACCGACTTCAAR:GCAGAGCTTCGATTTGCTCC | cell cycle |
| Cyclin D1 | F: GCGTACCCTGACACCAATCR:ATGCTAGAGGTCTGCGAGGA | cell cycle |
| EGFR | F: GGGATTGGCCTATTCATGCG R:AATGCTCCCGAACCCAGAAC | EGFR pathway |
| Smad2 | F: CTTGCCATTCACACCGCCAG R: CGGCAATATATAACATGGGC  | TGF-β pathway |
| Smad3 | F: AAGGCCATCACCACGCAGAACGR: TCCCCAGCCTTTGACGAAGCTC | TGF-β pathway |

\*All primers were synthesized by Beijing Genomics Institute (Shenzhen, China).