**Table S1** Gene expression changes identified from a microarray of E10.5 *Plzf*wt/wt and *Plzf*lu/lu mice forebrain and midbrain.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Accession Number | Gene Symbol | *Plzf*wt/wt vs. *Plzf*lu/lu | | Accession Number | Gene Symbol | *Plzf*wt/wt vs. *Plzf*lu/lu | |
| **N1** | **N2** | **N1** | **N2** |
| NM\_007492  NM\_008553  NM\_010740  NM\_001081275  XM\_006535725  NM\_018827  NM\_016669  NM\_010054  NM\_016885  NM\_010134  NM\_001290753  NM\_007960  NM\_010181  NM\_028263  NM\_001291067  NM\_001160112  NM\_175284  NM\_008237  NM\_019564  NM\_010494  NM\_016851  NM\_010572  NM\_001161536  NM\_177715  NM\_001097621  NM\_001039000  NM\_008449  NM\_057173  NM\_001081088  NM\_028977  NM\_176920  NM\_145515 | Arx  Mash1  Cd93  Cfap126  Cnpy1  Crlf1  Crym  Dlx2  Emcn  En2  Ephb2  Etv1  Fbn2  Fgfbp3  Foxa2  Foxg1  Fzd10  Hes3  Htra1  Icam2  Irf6  Irs4  Islr2  Kctd12  Kif26a  Kif5a  Kif5c  Lmo1  Lrp2  Lrrc17  Lrtm1  Mark1 | 1.38  1.82  0.70  0.70  0.41  2.50  1.55  1.42  0.65  0.28  1.34  2.14  0.73  1.38  1.64  1.52  0.66  0.43  1.96  0.71  1.49  1.87  2.10  0.72  1.41  1.86  1.33  1.44  2.12  0.66  1.38  1.41 | 1.81  1.99  0.50  0.76  0.47  2.65  2.29  1.33  0.62  0.42  1.43  1.74  0.71  2.01  2.33  3.27  0.57  0.31  1.50  0.67  1.46  1.72  2.74  0.62  1.52  2.18  1.32  1.93  1.55  0.71  1.63  1.33 | NM\_008665  NM\_152229  NM\_176930  NM\_130885  NM\_008781  NM\_025557  NM\_013892  NM\_008808  NM\_019932  NM\_032398  NM\_172775  NM\_026376  NM\_011141  NM\_008973  NM\_011218  NM\_177740  AK083030  NM\_017400  NM\_009170  NM\_011380  NR\_038082  NM\_011443  NR\_015580  AK153771  NM\_010097  NM\_009133  NM\_019675  NM\_008536  NM\_009426  NM\_023716  NM\_013703  NM\_001033324 | Myt1  Nr2e1  Nrcam  Oxr1  Pax3  Pcp4l1  Pcsk1n  Pdgfa  Pf4  Plvap  Plxnb1  Plxnd1  Pou3f1  Ptn  Ptprs  Rgma  Rmst  Sh3gl3  Shh  Six2  Six3os1  Sox2  Sox2ot  Sox4  Sparcl1  Stmn3  Stmn4  Tm4sf1  Trh  Tubb2b  Vldlr  Zbtb16 | 1.51  1.38  2.35  1.60  0.76  0.37  1.31  2.06  0.40  0.67  1.32  0.73  1.57  0.66  1.33  1.35  0.75  1.52  2.09  1.37  1.81  1.36  1.68  1.45  0.57  1.32  1.44  0.53  0.75  1.55  1.58  0.40 | 2.60  1.92  2.22  1.65  0.62  0.48  1.43  1.56  0.74  0.58  1.31  0.55  1.72  0.57  1.37  1.76  0.73  1.47  2.05  1.50  1.35  1.39  2.77  1.54  0.66  2.18  1.91  0.71  0.64  1.65  1.89  0.39 |

Summarized data from microarray analysis. N1 and N2, two independent groups, represent the corresponding sample sizes.