

Table S1. Average Ct values for neural determinants

Gene	Ct in wild-type ES cells	Ct in E15 brain
<i>Sox1</i>	24	22
<i>Math1</i>	30	25
<i>Mash1</i>	29	21
<i>Ngn1</i>	26	23
<i>Ngn2</i>	33	22
<i>Pax3</i>	33	24
<i>Pax6</i>	27	23
<i>Pax7</i>	33	23
<i>Msx1</i>	32	25
<i>Nkx2-2</i>	29	25
<i>Calb</i>	30	23
<i>Syt4</i>	26	21
<i>Sox2*</i>	18	21
<i>Gapdh*</i>	13	14

Ct was determined by real-time PCR of cDNA using Qiagen SYBR Green Master Mix on a MJ Engine using Opticon4 software. Programme: 94°C for 15 minutes; 40 cycles of 94°C for 15 seconds, 60°C for 30 seconds, 72°C for 30 seconds with a plate-read at the end of each cycle. The melting curve was recorded to ensure that a single product was formed. For each biological replicate, duplicate reactions were performed. All primer pairs were carefully selected for specificity, linearity and efficiency over a 64- to 125-fold range of template concentrations prior to the analysis of gene expression. All primer pairs that did not amplify a single band of the expected size were discarded.

*Expressed in ES cells.