

Erratum to: Preservation of positional identity in fetus-derived neural stem (NS) cells from different mouse central nervous system compartments

Marco Onorati, Maurizio Binetti, Luciano Conti, Stefano Camnasio, Giovanna Calabrese, Ilaria Albieri, Francesca Di Febo, Mauro Toselli, Gerardo Biella, Ben Martynoga, Francois Guillemot, G. Giacomo Consalez, Elena Cattaneo - Springer International Publishing 2016

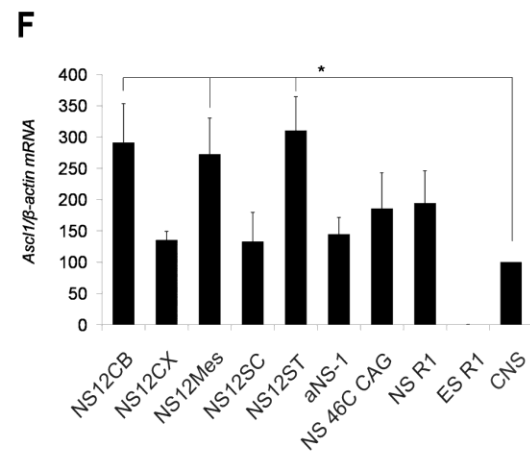
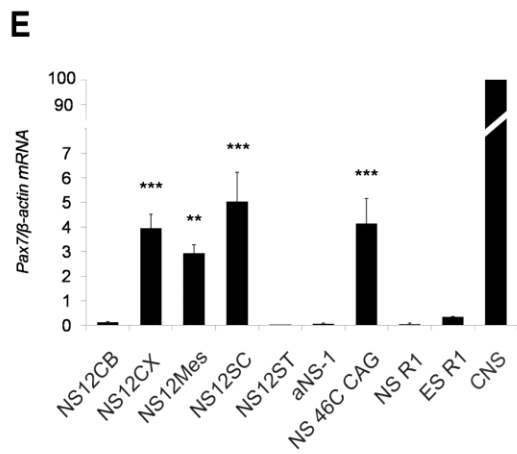
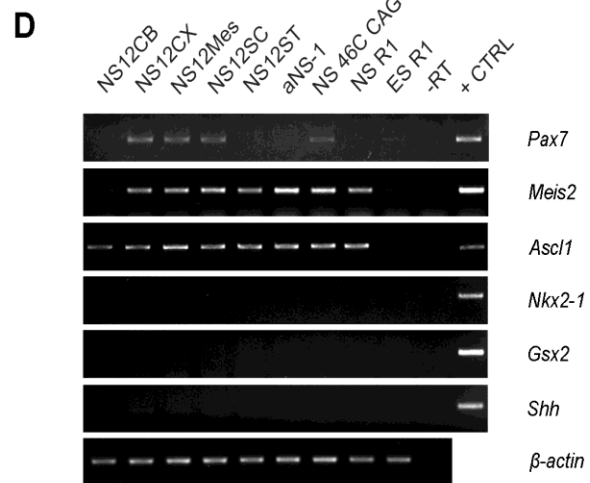
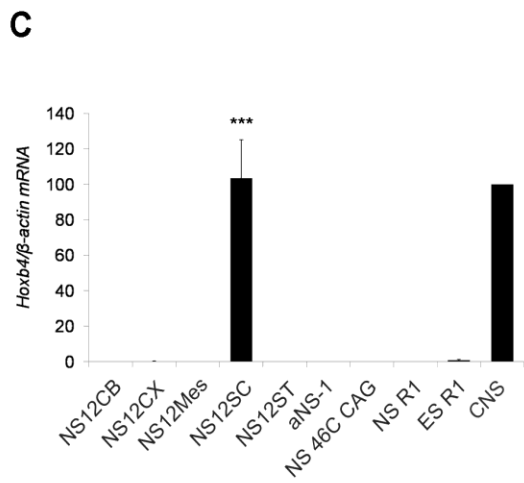
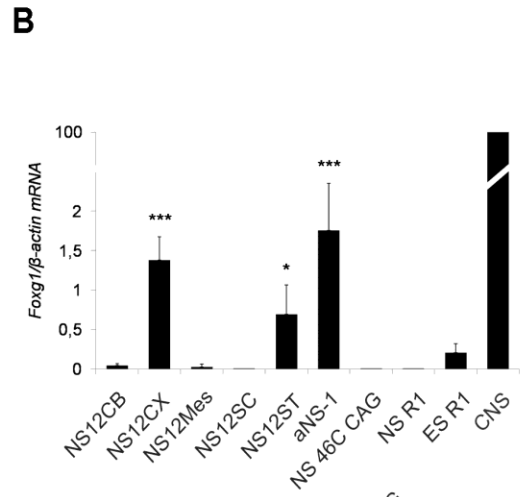
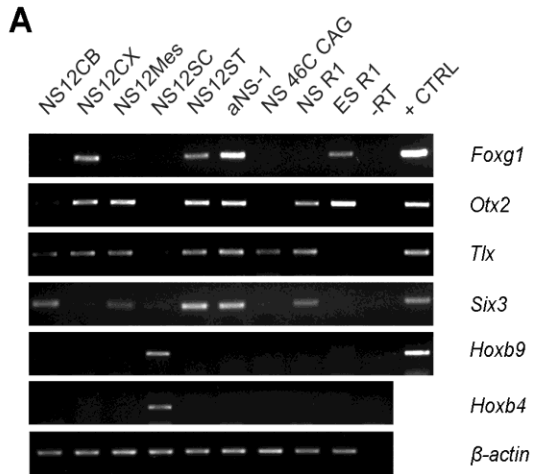
Erratum to: Cell. Mol. Life Sci.

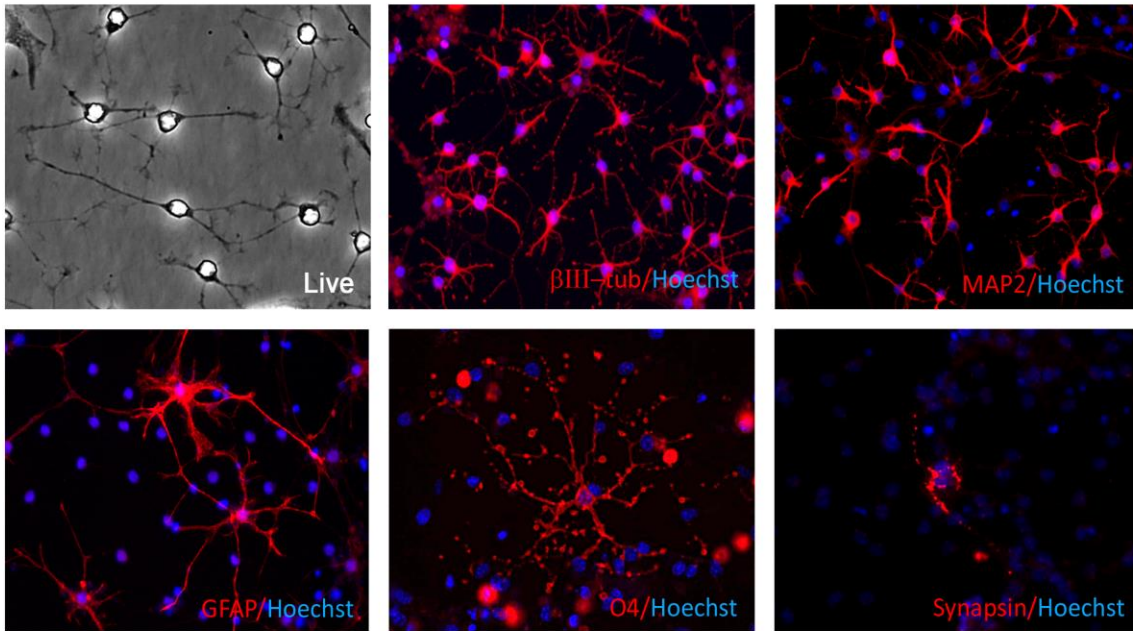
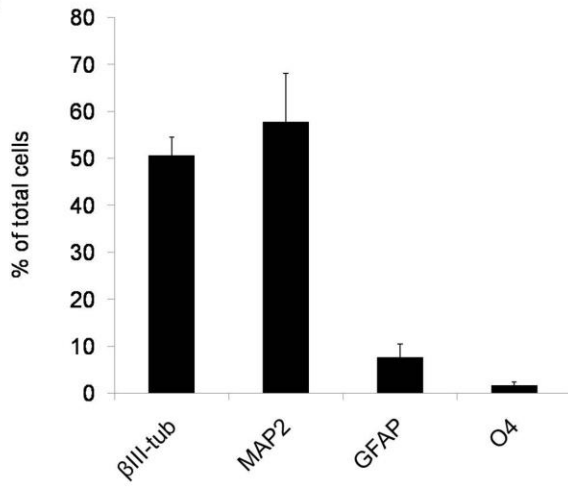
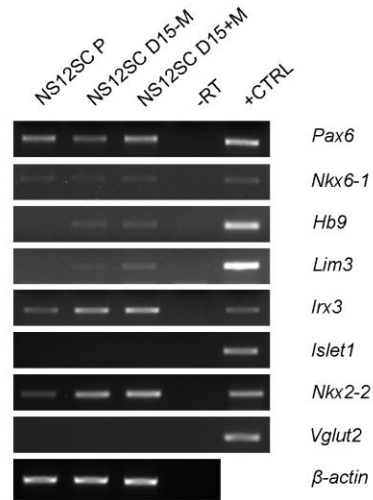
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In the original publication the Figure 2A showed an RT-PCR analysis of a panel of markers expressed by 9 lines of fetus-derived NS and embryonic stem cells. The lane for *Hoxb4* gene expression contained a white bar separating the positive control (+CTRL). The band in the +CTRL was actually a duplication of the NS12SC band. In fact, the general mouse fetal brain, used as +CTRL for all the other markers, did not express the spinal cord marker *Hoxb4*. In the new version of the figure we removed the duplicated +CTRL band for *Hoxb4*.

Then, in Figure 5C-D, there was a redundant duplication of the PCR for *Hb9*, *Irx3* and *Nkx2-2*, shown at first for spinal cord NS12SC in (C), and then compared side-by-side with striatal NS12ST in (D). In the new version, duplicated PCR analysis on NS12SC cells was removed from (D) and is referred to the data shown in (C) in the new figure legend.

Fig. 5 Neuronal differentiation of NS12SC cells. **a** After 23 days of differentiation in vitro, NS12SC cells gave rise to β III-tubulin-, MAP2-, GFAP-, and O4-positive cells. A representative synapsin-positive cell is shown after 21 days of differentiation (x4, magnified after acquisition). **b** At the end of differentiation, $50.5 \pm 3.9\%$ of cells were immunopositive for β III-tubulin, $57.7 \pm 10.3\%$ for MAP2, $7.5 \pm 2.8\%$ for GFAP, and $1.5 \pm 0.7\%$ for O4 ($n = 1,068$ cells for β III-tubulin; $n = 1,184$ cells for MAP2 and GFAP; $n = 1,645$ cells for O4) (*columns* represent averages, *error bars* standard deviations). **c** Gene expression analysis by RT-PCR on NS12SC cells in proliferation (*P*) and after 15 days differentiation in the absence (*D15-M*) or in the presence (*D15+M*) of morphogens. **d** Spinal gene markers analyzed in **c** are not detected in NS12ST cells. Mouse fetal brain was used as positive control (+CTRL); -RT was the negative control



A**B****C****D**