2. Legend for supplementary Figure S1
Correlated evolution of (a) relative numbers of neurons, and (b) relative density of neurons, in mammalian neocortex and cerebellum, based on two independent data sets. Neuron numbers in the two structures (a) are positively correlated after controlling for phylogenetic effects and neuron numbers in other brain regions (PGLS, neocortex neuron numbers regressed on cerebellar neuron numbers, controlling for neuron numbers in the rest of the brain; $\lambda=0.72$, $t_{3,23}=7.11$, $p<0.0001$, data from Herculano-Houzel et al, 2007, Gabi et al. 2010). Neuron densities in the two structures (b) are positively correlated after controlling for phylogenetic effects and brain mass (PGLS, neocortex volume regressed on volume of cerebellum controlling for volume of the rest of the brain; $\lambda=0.63$, $t_{3,17}=3.80$, $p<0.002$, data from Lange (1975), Haug (1987)).
References


