

Table S4. RNA expression summary of KDM5C and its regulatory genes in the corpus callosum (from The Human Protein Atlas datasets; <https://www.proteinatlas.org/>)

Gene	FANTOM5* FF:10042-101F6 (scaled tags/million)	Pig RNA-seq** (pTPM; N=4)	Mouse RNA-seq*** (pTPM; N=3)
<i>ARX</i>	10.8	4.0	7.4
<i>KDM5C</i>	65.7	25.8	12.8
<i>PHF8</i>	30.6	18.0	6.9
<i>ZNF711</i>	9.5	7.8	2.1

* RNA expression obtained through Cap Analysis of Gene Expression (CAGE) generated by FANTOM5 project is reported as scaled tags per million;

** RNA-seq data obtained from pig brain reported as transcripts per million protein coding genes (pTPM);

*** RNA-seq data obtained from mouse brain reported as pTPM