

## **HMGB4 is expressed by neuronal cells and affects the expression of genes involved in neural differentiation**

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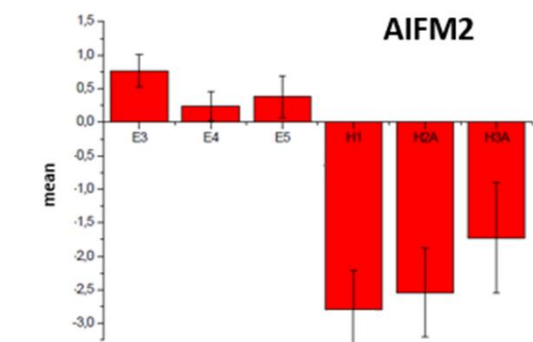
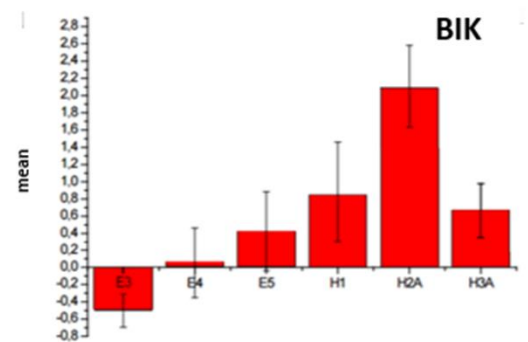
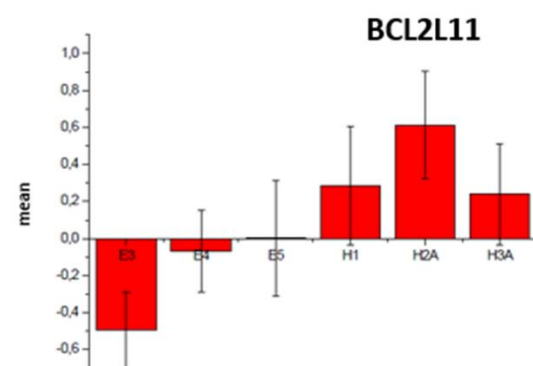
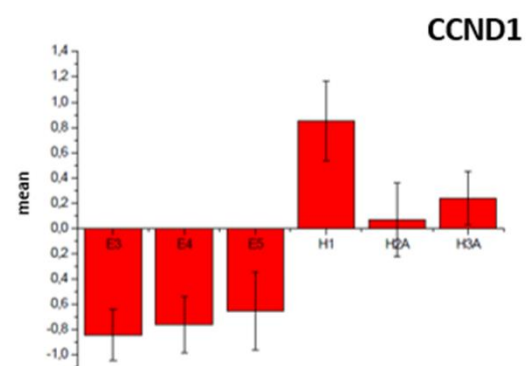
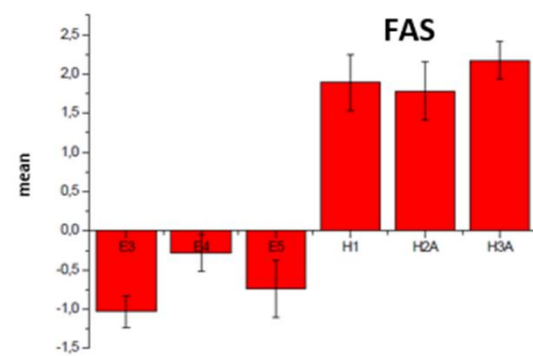
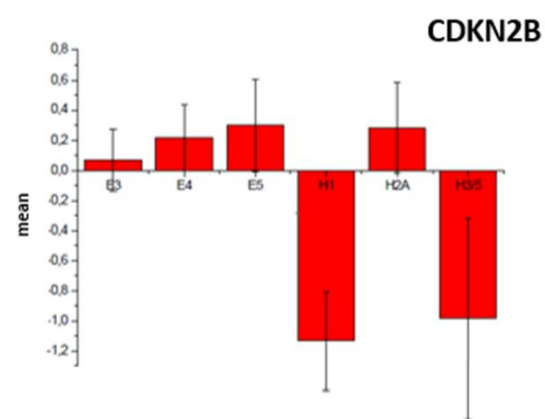
**Supplementary figure S1.** qPCR analysis of pro-apoptotic gene expression in HMGB4-EGFP –expressing cells. H1, H2A and H3A = HMGB4-EGFP expressing cells; E3, E4 and E5 = EGFP –expressing cells.

**Supplementary figure S2.** Expression of HMGB4 in human brain tissue samples. Human brain expression data was obtained from Medisapiens –database and HMGB4 expression in different brain areas was analyzed with PANTHER -software.

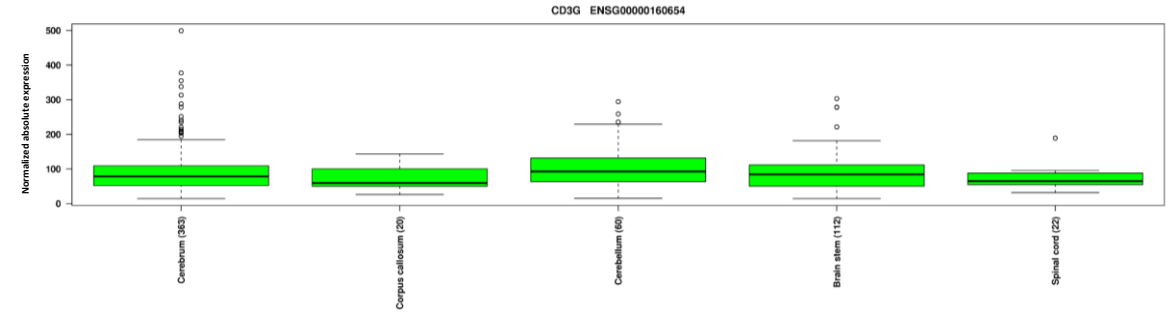
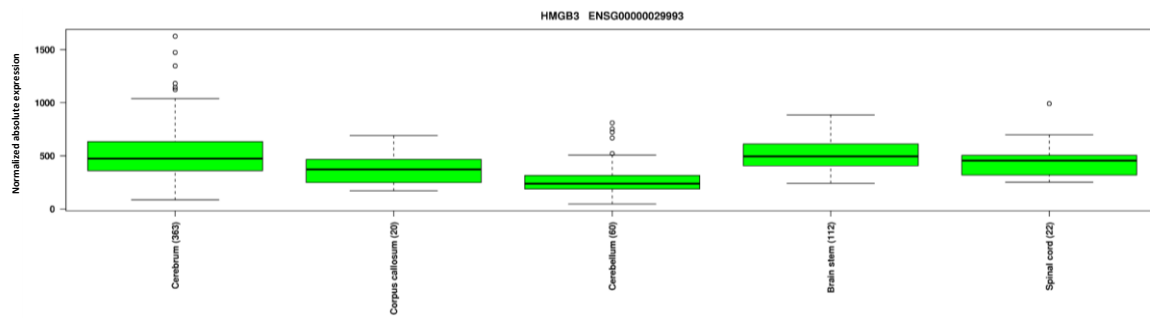
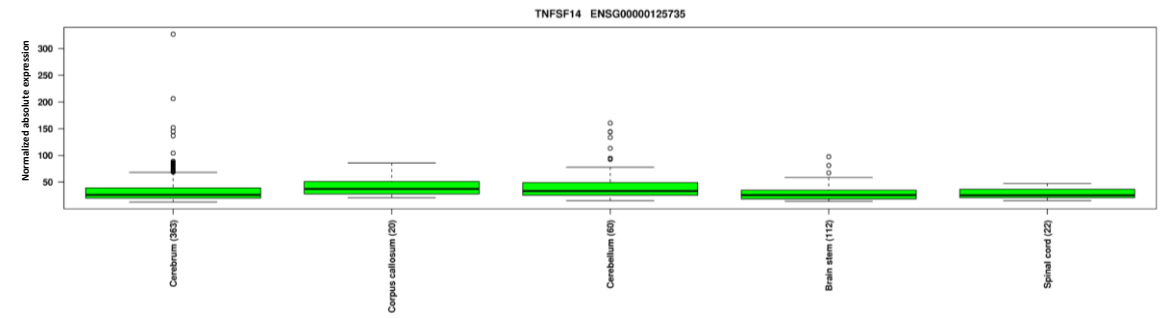
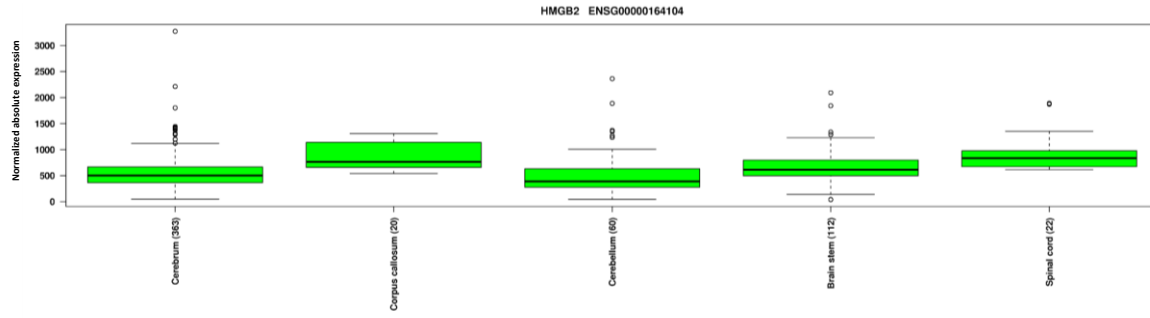
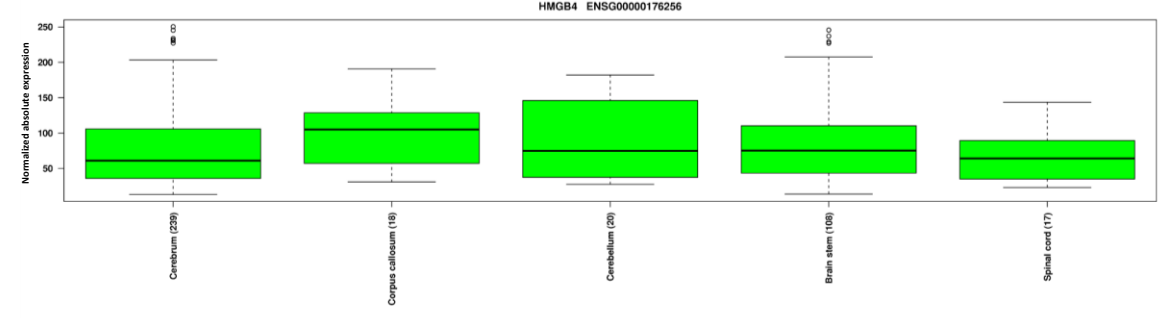
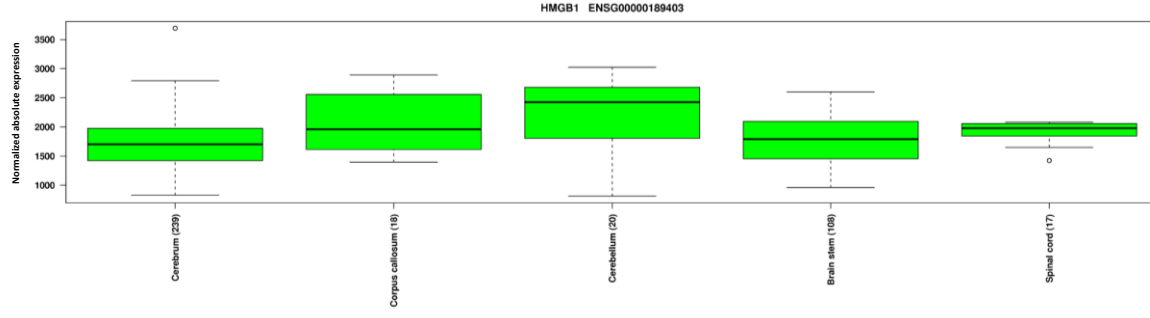
**Supplementary table S1.** STRING database search predicted HMGB4 protein interaction partners. Different mammalian species were included in the search. The six most prominent hits are shown. SUPT16H = Facilitates chromatin transcription complex subunit suppressor of Ty 16 homolog; SSRP1 = Structure specific recognition protein 1 ; TOP2A/B = Topoisomerases 2A and 2B ; H2AFV/Z = Histone H2A.V and H2A.Z ; GFT2A1L/B = general transcription factor IIA, 1-like and general transcription factor IIB ; POLR1E = DNA-directed RNA polymerase I subunit RPA49.

**Supplementary table S2.** List of genes differentially expressed in HMGB4-EGFP expressing HEK 293T-cells.

Supplementary figure S1



# Supplementary figure S2



Supplementary table S1

	<b>SUPT16H</b>	<b>SSRP1</b>	<b>TOP2A/B</b>	<b>H2AFV/Z</b>	<b>GFT2A1L/B</b>	<b>POLR1E</b>	
<b>Homo sapiens</b>	v	v	v	v			
<b>Mus musculus</b>	v	v				v	
<b>Rattus norvegicus</b>	v	v				v	
<b>Bos taurus</b>	v		v			v	v
<b>Monodelphis domestica</b>	v		v	v		v	v
<b>Dasyus novemcinctus</b>	v	v					v
<b>Pteropus vampyrus</b>	v	v		v		v	v
<b>Sarcophilus harrisii</b>	v		v	v		v	v
<b>Tursiops truncatus</b>	v		v	v			v