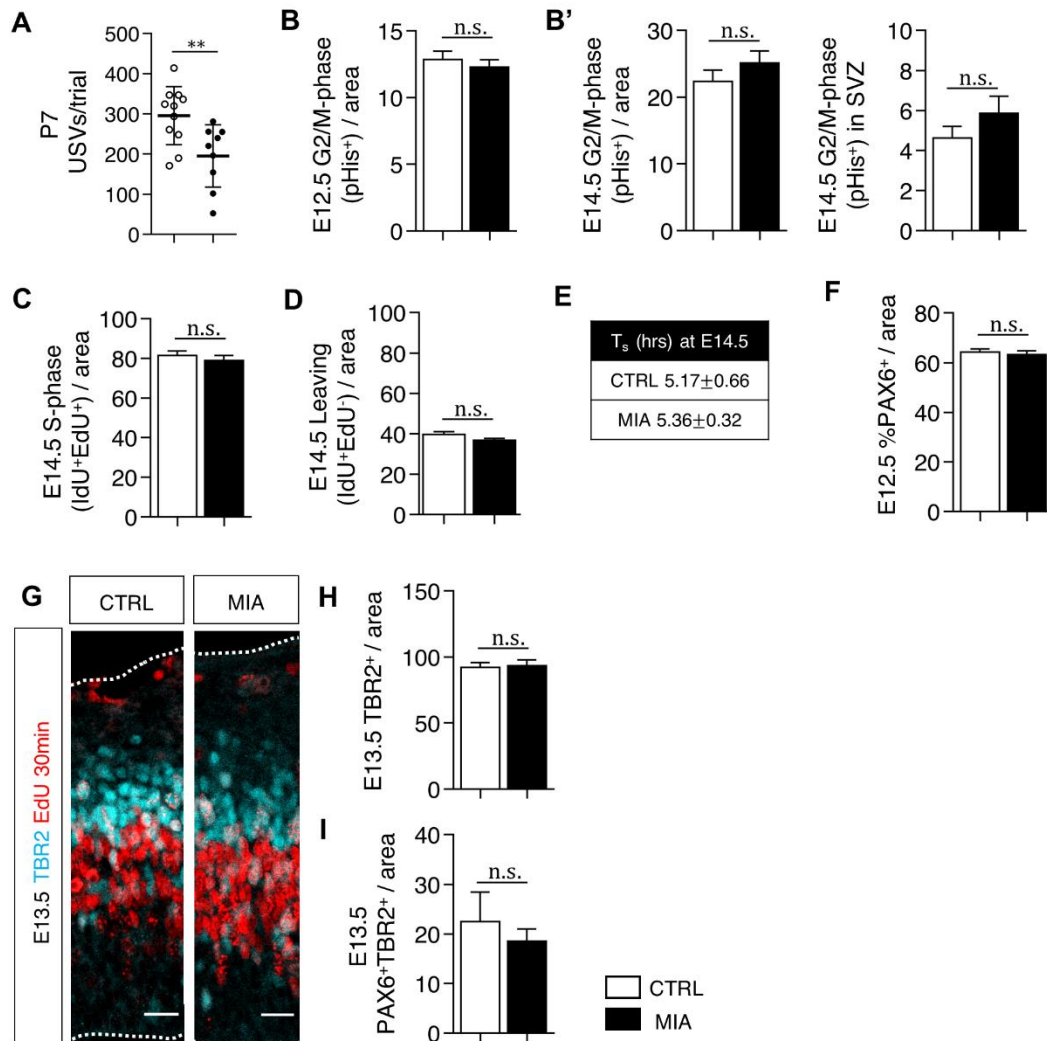


Supplementary Figures and Legends

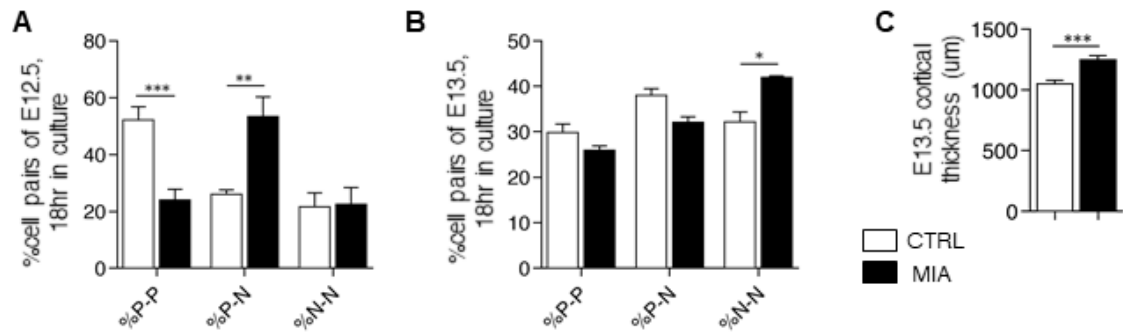


Supplementary Figure 1

(A) Histogram of the averaged USVs of P7 control and MIA pups. (B) Histograms of the average numbers of pHis⁺ cells in cortical sections of CTRL and MIA embryos at E12.5, 8 hrs post-injections. (B') Histograms of the average numbers pHis⁺ cells in the total area (left) and in the SVZ (right) of cortical sections of E14.5 CTRL and MIA embryos. (C-D) Histograms of the average numbers at E14.5 that are: (C) Staying at S-phase (IdU⁺EdU⁺, left) and (D) Leaving S-phase (IdU⁺EdU⁻, right). (E) Calculated duration of the S-phase (T_s) at E14.5 CTRL and MIA cortical sections. (F) Histogram showing the percentage of PAX6⁺ cells per cortical area at E12.5. (G) E13.5 CTRL and MIA cortical sections stained with anti-TBR2 (light blue) antibodies and 30min EdU (red). (H) Histogram of the number of the TBR2⁺ cells in cortical

sections of CTRL and MIA embryos at E13.5. **(I)** Histogram of the PAX6⁺TBR2⁺ cells in cortical sections of CTRL and MIA embryos at E13.5.

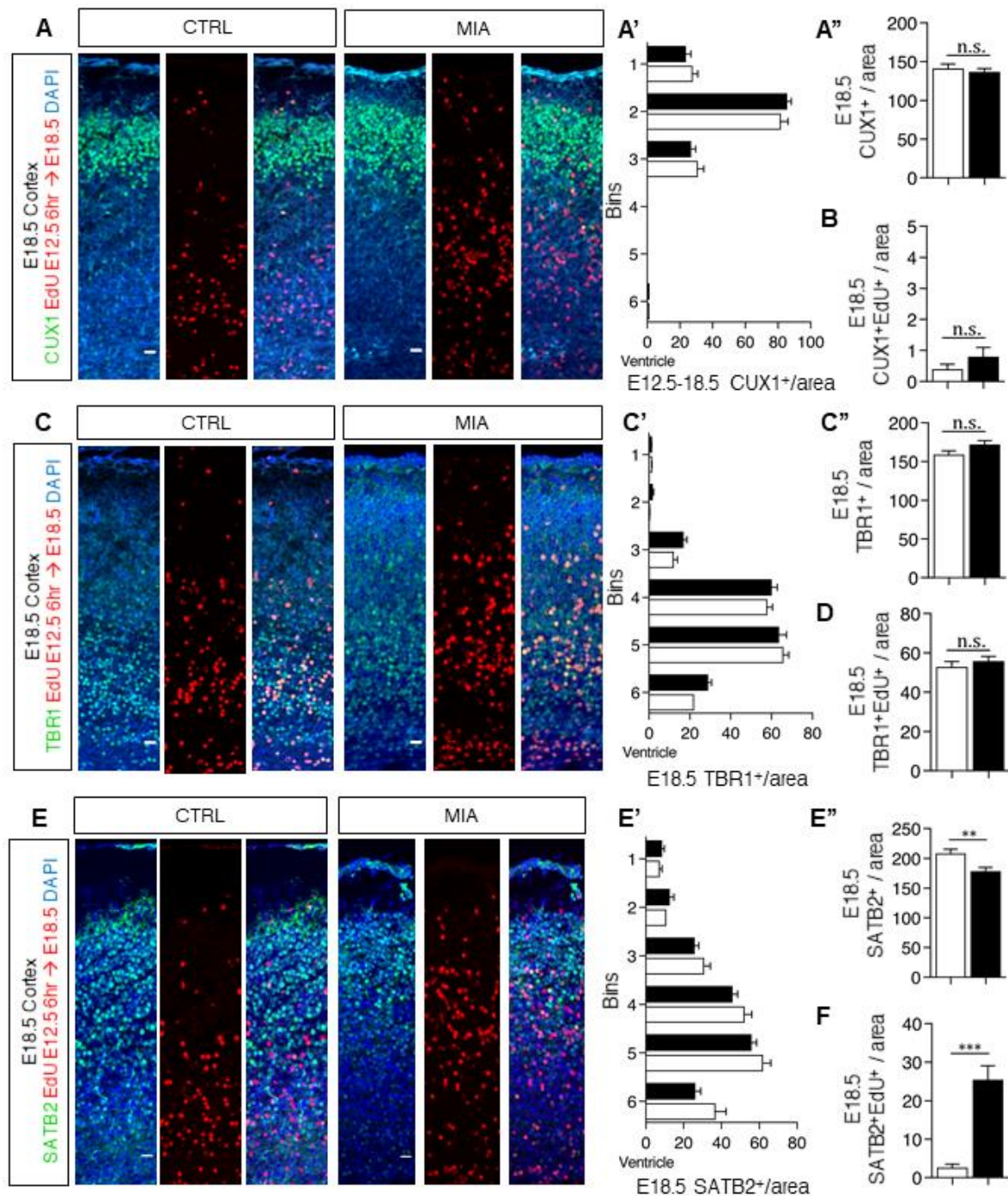
In all panels, error bars represent $\pm$ SEM. CTRL (n=3) and MIA (n=3) animals per experiment. Comparisons were analyzed using *Student's t-test*: n.s. non-significant p-value>0.05, * p-value<0.05, ** p-value<0.01, *** p-value<0.001. Scale bars 20 μ m.



Supplementary Figure 2

(A) Histograms of the percentage of P-P, P-N and N-N daughter cell pairs derived from E12.5 Control and MIA cortical progenitors. **(B)** Histograms of the percentage of P-P, P-N and N-N daughter-cell pairs derived from E13.5 CTRL and MIA cortical progenitors. **(C)** Histogram of the averaged cortical thickness of control and MIA embryos at E13.5.

In all panels, error bars represent $\pm$ SEM. CTRL (n=187 pairs) and MIA (n=103 pairs) represent 4 experiments. Comparisons were analyzed using *Student's t-test*: n.s. non-significant p-value >0.05 , * p-value <0.05 , ** p-value <0.01 , *** p-value <0.001 .

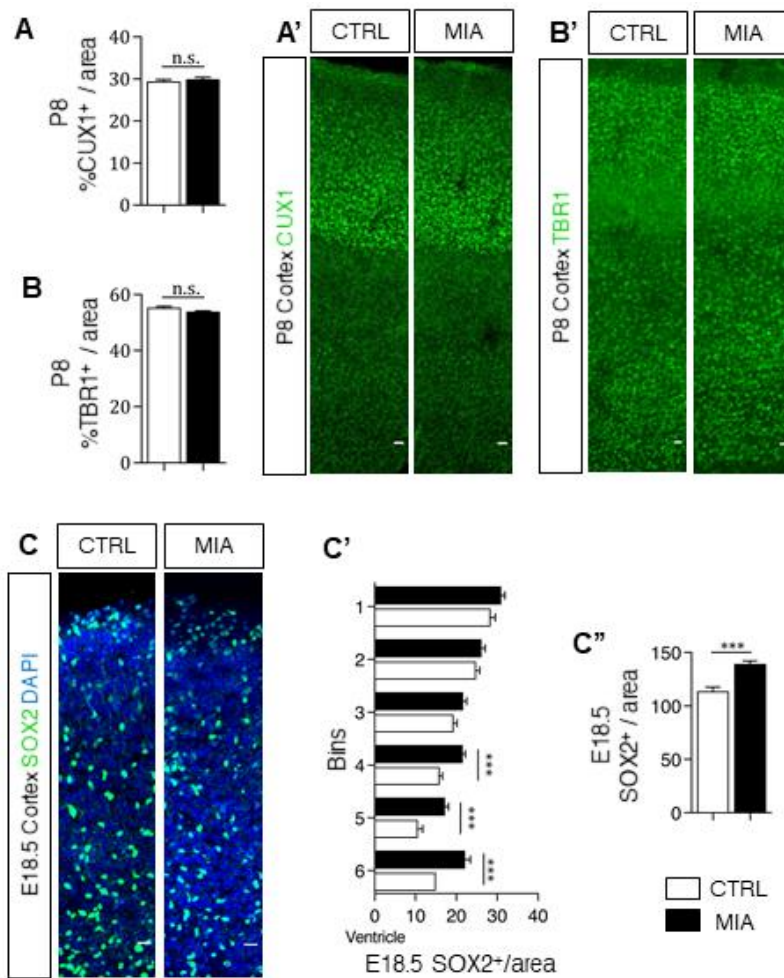


Supplementary Figure 3

(A) Cortical sections from E18.5 CTRL and MIA embryos that were pulsed with EdU at 6 hrs post-MIA and stained to detect EdU (red), DAPI (blue) and immunostained with anti-CUX1 (green) antibodies and merged. (A') The relative distribution and (A'') the average total number per area of CUX1⁺ cells. (B) Histogram of the average numbers of CUX1⁺EdU⁺ cells at E18.5 CTRL and MIA cortical sections. (C) Cortical sections of E18.5 CTRL and MIA embryos that were pulsed with EdU at 6 hrs post-MIA and stained with anti-TBR1 (green) antibodies, EdU

(red), DAPI (blue) and merged. **(C')** The relative distribution and **(C'')** the average total number per area of TBR1⁺ cells. **(D)** Histogram of TBR1⁺EdU⁺ cells at E18.5 CTRL and MIA cortical sections. **(E)** Cortical sections of E18.5 CTRL and MIA embryos that were pulsed with EdU at 6 hrs post-MIA and stained with anti-SATB2 (green) antibodies, EdU (red), DAPI (blue) and merged. **(E')** The relative distribution and **(E'')** the average total number per area of SATB2⁺ cells. **(F)** Histogram of SATB2⁺EdU⁺ cells at E18.5 CTRL and MIA cortical sections.

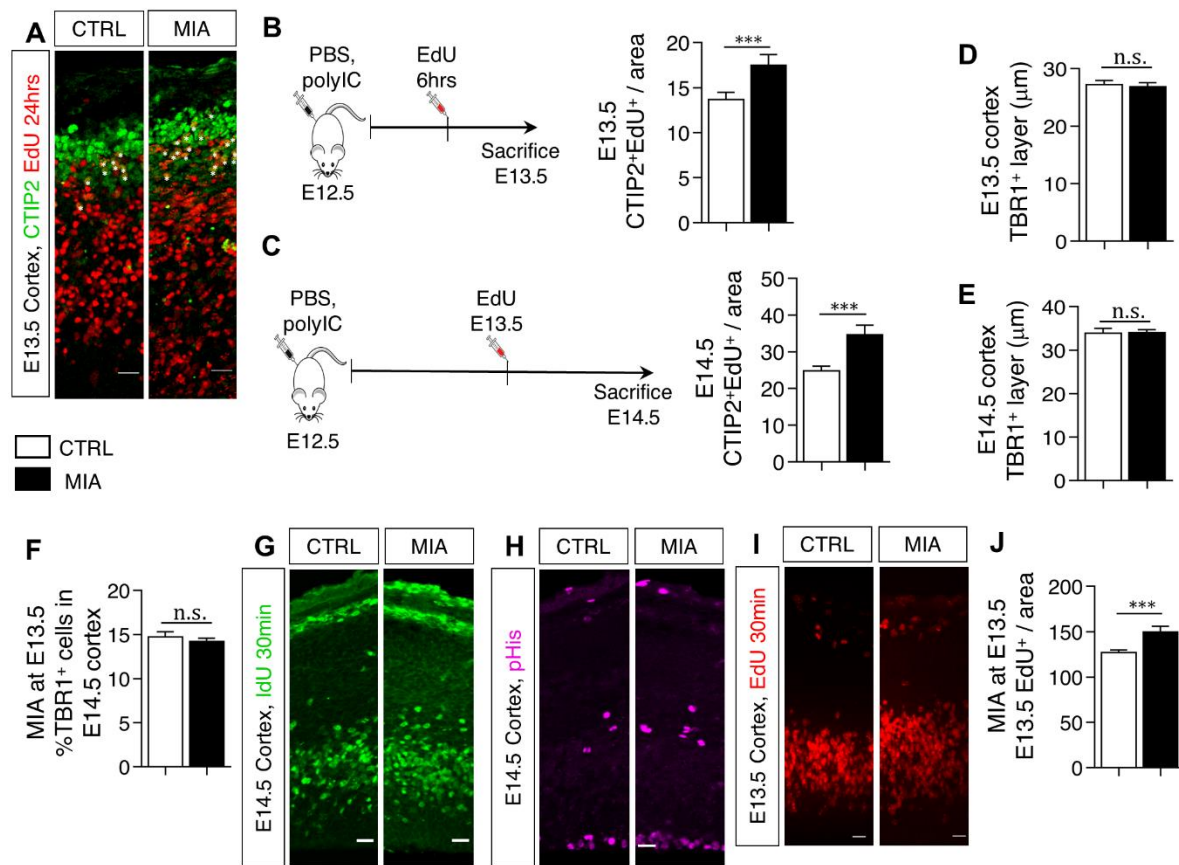
In all panels, error bars represent $\pm$ SEM. CTRL (n=3) and MIA (n=3) animals per experiment. P-value calculated using *Student's t-test*: n.s. non-significant p-value>0.05, * p-value<0.05, ** p-value<0.01, *** p-value<0.001. Scale bars 20 μ m.



Supplementary Figure 4

(A) The percentage of CUX1⁺ cell at P8 control and MIA cortices. (A') P8 cortical sections of CTRL and MIA embryos immunostained with anti-CUX1 (green) antibodies. (B) The percentage of TBR1⁺ cells at P8 control and MIA cortices. (B') P8 cortical sections of CTRL and MIA embryos immunostained with anti-TBR1 (green) antibodies. (C) Cortical sections of E18.5 CTRL and MIA embryos that were immunostained with anti-SOX2 (green) antibodies and DAPI (blue). (C') The relative distribution and (C'') the average total number per area of SOX2⁺ cells.

In all panels, error bars represent $\pm$ SEM. CTRL (n=3) and MIA (n=3) animals per experiment. P-value calculated using *Student's t-test*: n.s. non-significant p-value>0.05, * p-value<0.05, ** p-value<0.01, *** p-value<0.001. Scale bars 20 μ m.

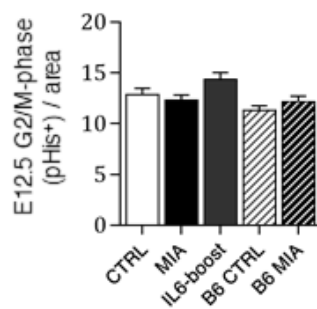


Supplementary Figure 5

(A) Cortical sections of E13.5 CTRL and MIA embryos stained with anti-CTIP2 (green) antibodies and EdU (red). **(B)** Experimental timeline of EdU-pulse tracing at E12.5 for 24 hrs (left) and histogram of the average numbers of CTIP2⁺EdU⁺ cells at E13.5 CTRL and MIA cortical sections (right). **(C)** Experimental timeline of EdU-pulse tracing at E13.5 for 24 hrs (left) and histogram of the average number of CTIP2⁺EdU⁺ cells at E14.5 CTRL and MIA cortical sections (right). **(D-E)** Histograms of TBR1⁺ layer thickness **(D)** at E13.5 and **(E)** at E14.5 CTRL and MIA cortical sections. **(F)** MIA at E13.5: the percentage of TBR1⁺ cells at E14.5 CTRL and MIA cortical sections. **(G-H)** MIA at E13.5: Extended panel for Figure 3J-K showing immunostainings of **(G)** anti-IdU and **(H)** anti-pHis antibodies at E14.5 CTRL and MIA cortical sections. **(I-J)** MIA at E13.5: Cortical sections of E13.5 CTRL and MIA embryos **(I)** stained with anti-EdU (red) and **(J)** a histogram of the EdU⁺ cells at E13.5.

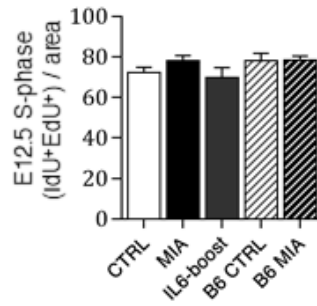
In all panels, error bars represent $\pm$ SEM. CTRL (n=3) and MIA (n=3) animals per experiment. P-value calculated using *Student's t-test*: n.s. non-significant p-value>0.05, * p-value<0.05, ** p-value<0.01, *** p-value<0.001. Scale bars 20μm.

A



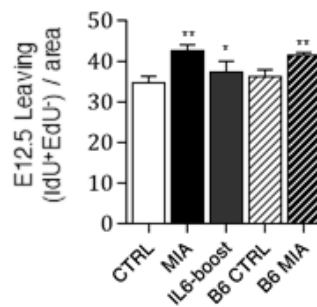
E12.5 pHis		
Tukey's multiple comparison test	Significance	p-value
CTRL vs. MIA	ns	0.8807
CTRL vs. B6 CTRL	ns	0.1597
CTRL vs. B6 MIA	ns	0.8043
MIA vs. B6 CTRL	ns	0.5821
MIA vs. B6 MIA	ns	0.9987
B6 CTRL vs. B6 MIA	ns	0.6796
CTRL vs. IL6-boost	ns	0.3209
MIA vs. IL6-boost	ns	0.0638

B



E12.5 IdU+EdU+ cells		
Tukey's multiple comparison test	Significance	p-value
CTRL vs. MIA	ns	0.5092
CTRL vs. B6 CTRL	ns	0.399
CTRL vs. B6 MIA	ns	0.3626
MIA vs. B6 CTRL	ns	0.9999<
MIA vs. B6 MIA	ns	0.9998
B6 CTRL vs. B6 MIA	ns	0.9999<
CTRL vs. IL6-boost	ns	0.8352
MIA vs. IL6-boost	ns	0.2147

C



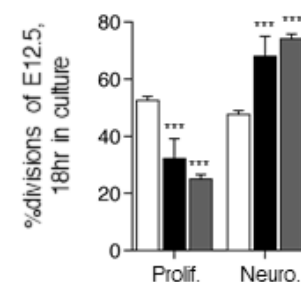
E12.5 IdU+EdU- cells		
Tukey's multiple comparison test	Significance	p-value
CTRL vs. MIA	**	0.0017
CTRL vs. B6 CTRL	ns	0.8622
CTRL vs. B6 MIA	**	0.0029
MIA vs. B6 CTRL	*	0.0193
MIA vs. B6 MIA	ns	0.9481
B6 CTRL vs. B6 MIA	*	0.0383
CTRL vs. IL6-boost	*	0.047
MIA vs. IL6-boost	ns	0.1183

D

T _s (hrs) at E12.5	
CTRL 5.12±0.55	
MIA 4.61±0.38	**
IL6-boost 4.68±0.53	*
B6 CTRL 5.16±0.56	
B6 MIA 4.74±0.55	*

E12.5 S-phase duration		
Tukey's multiple comparison test	Significance	p-value
CTRL vs. MIA	**	0.0052
CTRL vs. B6 CTRL	ns	0.9986
CTRL vs. B6 MIA	*	0.0216
MIA vs. B6 CTRL	**	0.0086
MIA vs. B6 MIA	ns	0.9557
B6 CTRL vs. B6 MIA	*	0.0167
CTRL vs. IL6-boost	*	0.0417
MIA vs. IL6-boost	ns	0.9192

E



	E12.5 in vitro: Proliferative vs. Neurogenic cell divisions		
	Sidak's multiple comparisons test	Significance	p-value
Proliferative	CTRL vs. MIA	***	0.0003
	CTRL vs. IL6-boost	***	0.0001>
	MIA vs. IL6-boost	ns	0.1737
Neurogenic	CTRL vs. MIA	***	0.0003
	CTRL vs. IL6-boost	***	0.0001>
	MIA vs. IL6-boost	ns	0.2777

Supplementary Figure 6

Histograms and ANOVA multiple comparisons of E12.5 control and MIA embryos (as presented in Figure 1); ICR pregnant mice that were injected with IL6 (IL6-boost); and WT C57BL/6 pregnant mice that were injected with either PBS (CTRL B6) or polyIC (B6 MIA). **(A)** A histogram and a summary table showing Tukey's multiple comparisons test of pHis⁺ cells at E12.5 for all groups. **(B)** A histogram and a summary table showing Tukey's multiple comparisons test of cells remaining at S-phase (IdU⁺EdU⁺) at E12.5 for all groups. **(C)** A histogram and a summary table showing Tukey's multiple comparisons test of cells which are leaving S-phase (IdU⁺EdU⁻) at E12.5 for all groups. **(D)** A histogram and a summary table showing Tukey's multiple comparisons test of differences in S-phase duration at E12.5 for all groups. **(E)** A histogram and a summary table showing Sidak's multiple comparisons of an in-vitro assay of progenitors that were isolated from Control, MIA and IL6-boost embryos at E12.5.