Fig. 1
Sriram et al.

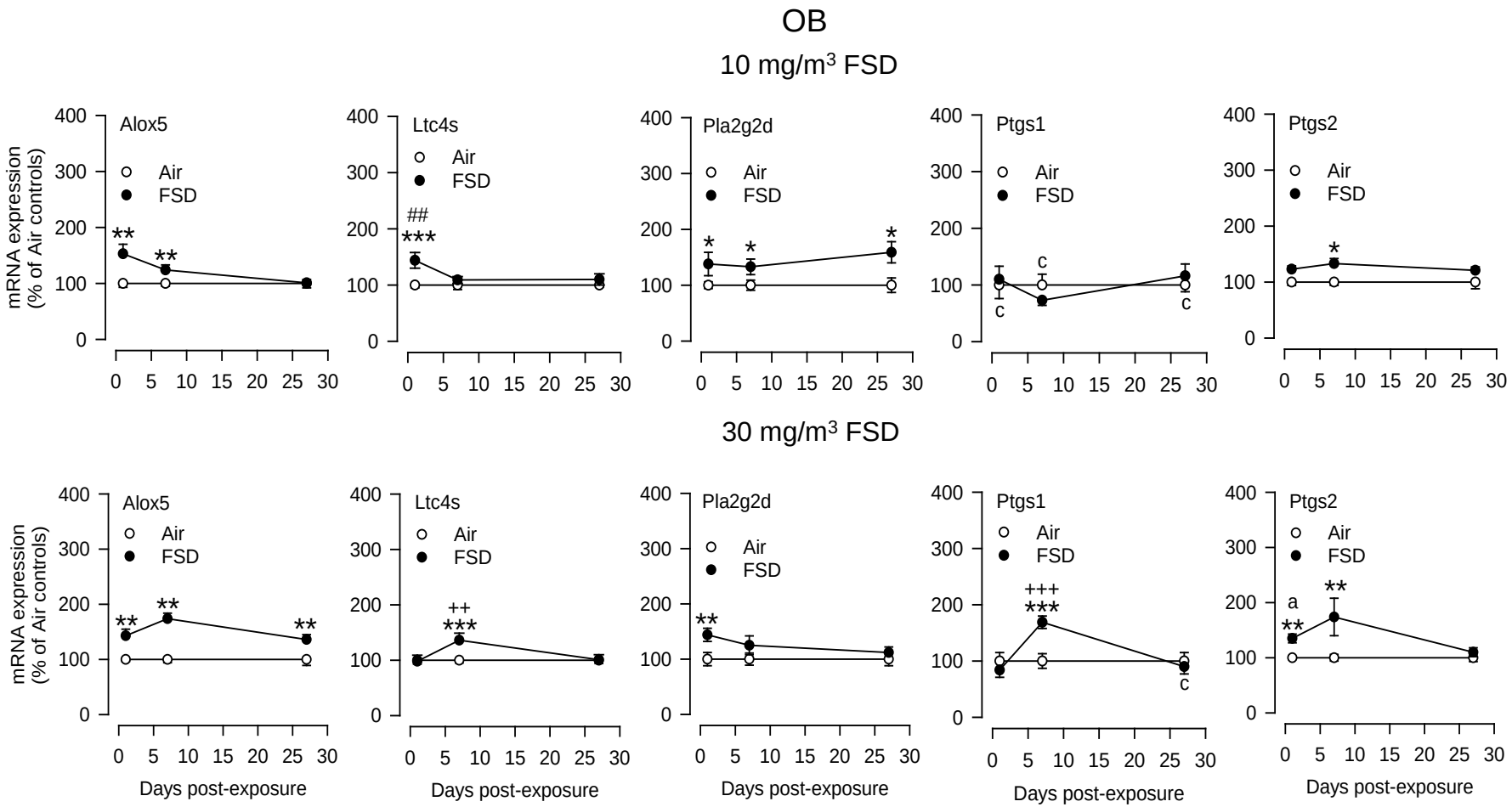


Fig801
from fig791 and fig793

Fig. 2
Sriram et al.

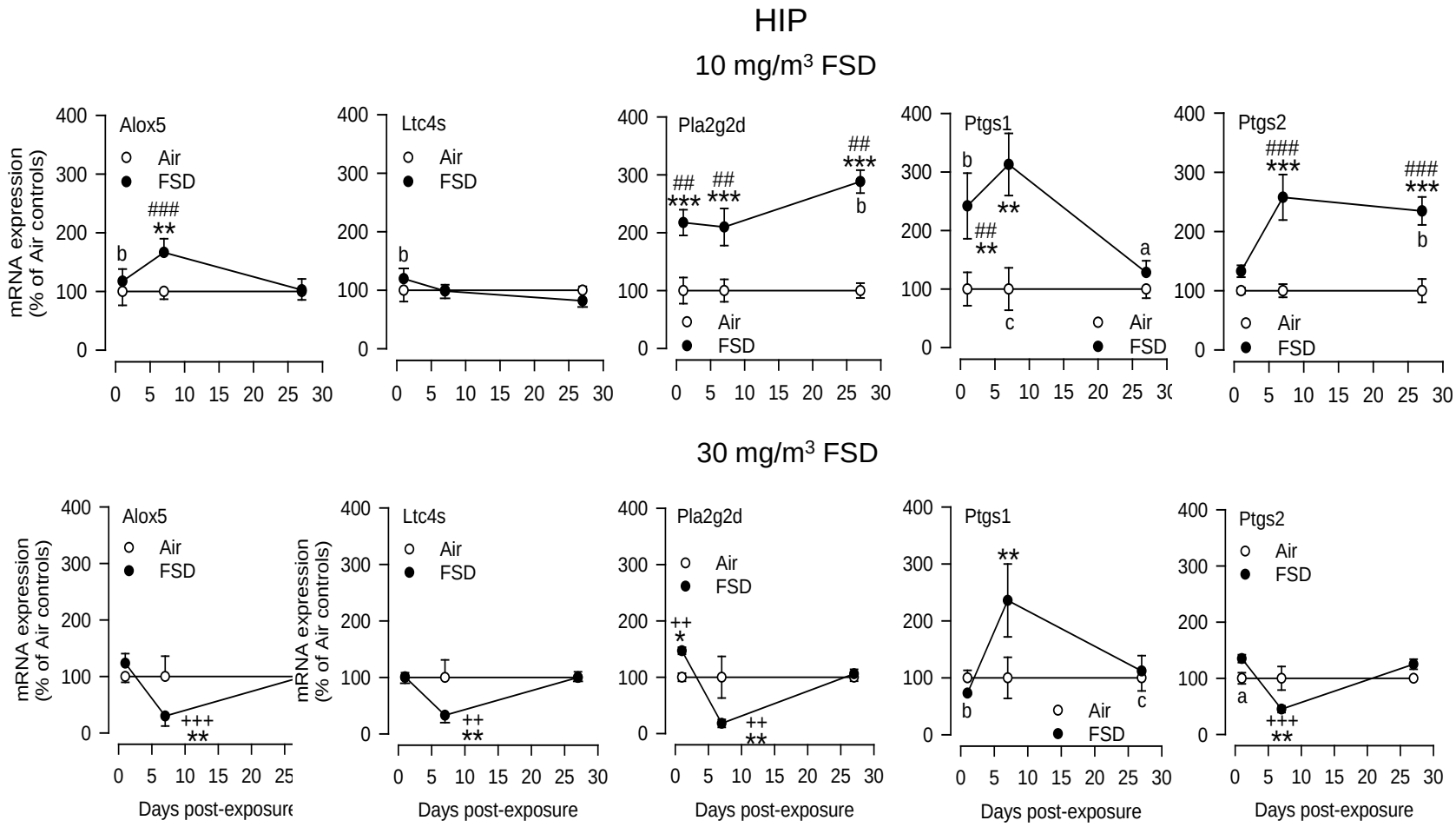


Fig802
from fig792 and fig794

Fig. 3
Sriram et al.

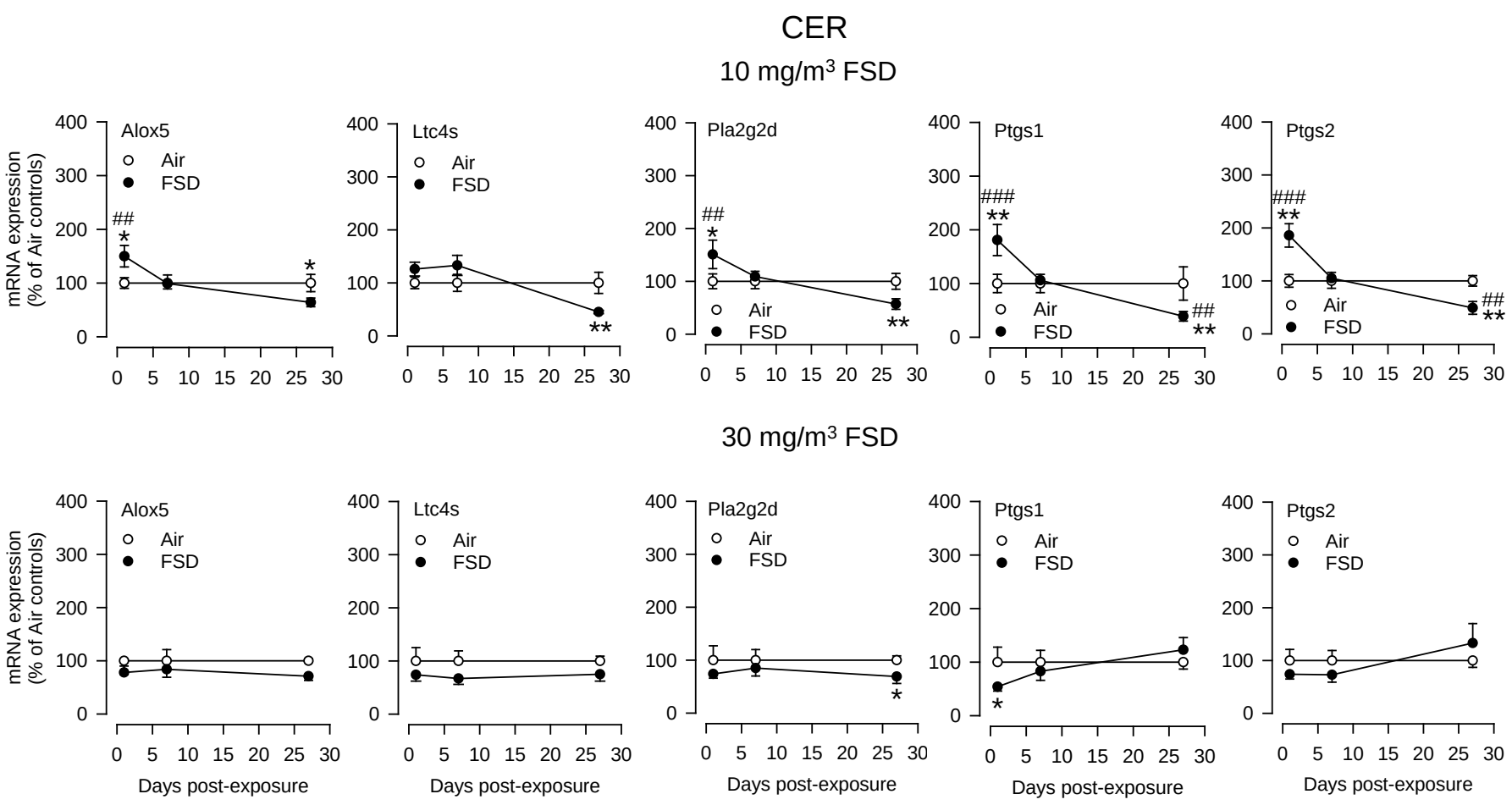


Fig841
from fig839 and fig840

Fig. 4
Sriram et al.

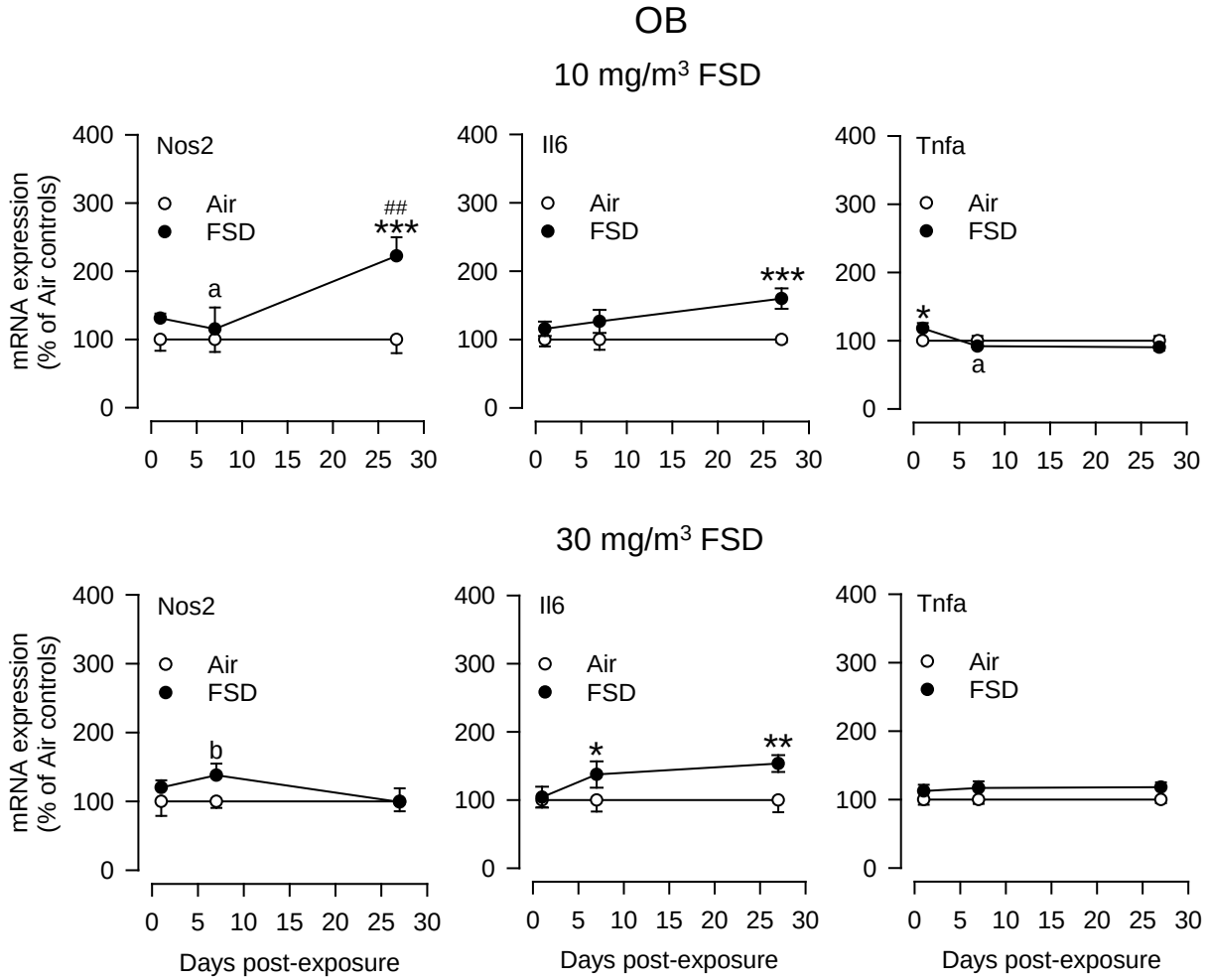


Fig795
from fig779 and fig782

Fig. 5
Sriram et al.

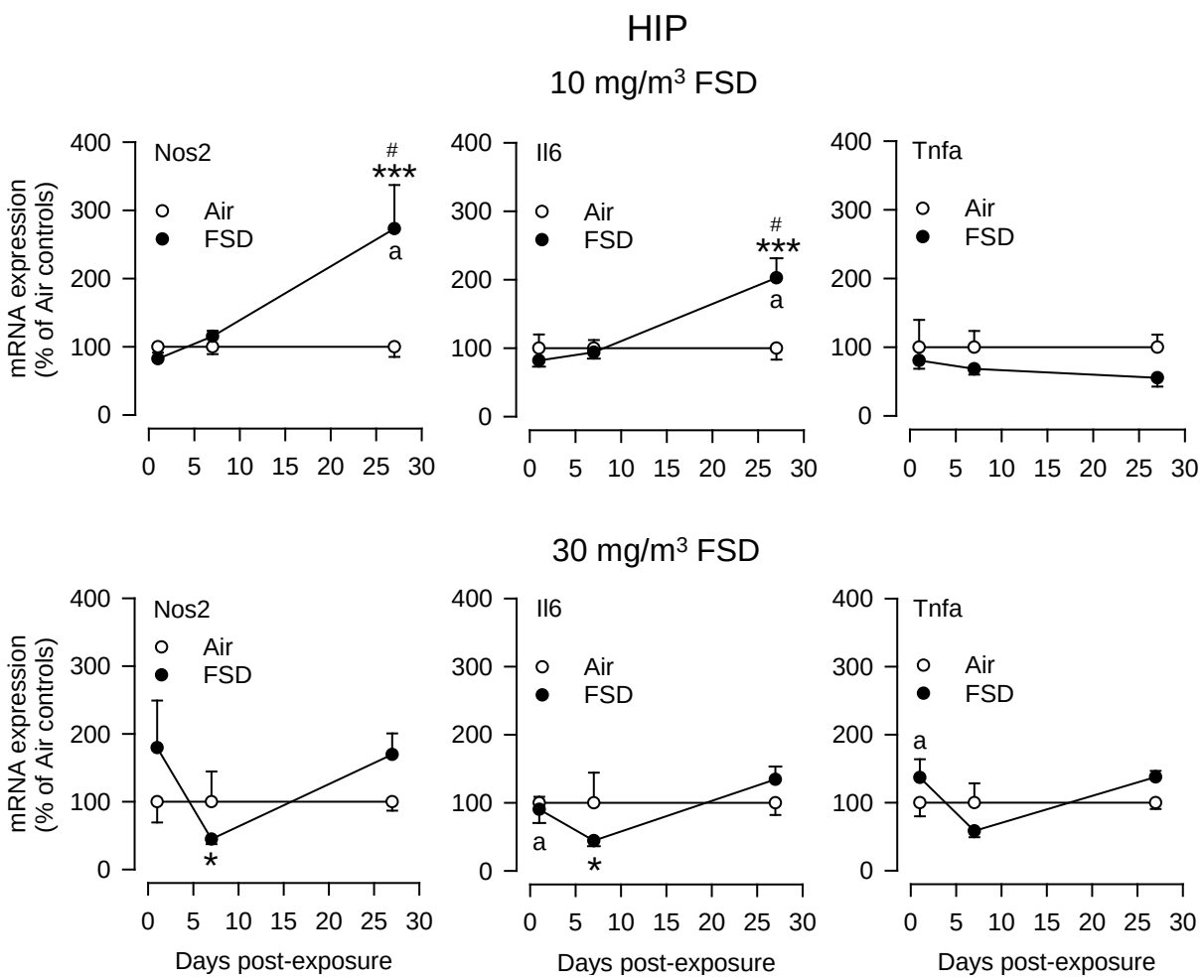


Fig796
from fig780 and fig783

Fig. 6
Sriram et al.

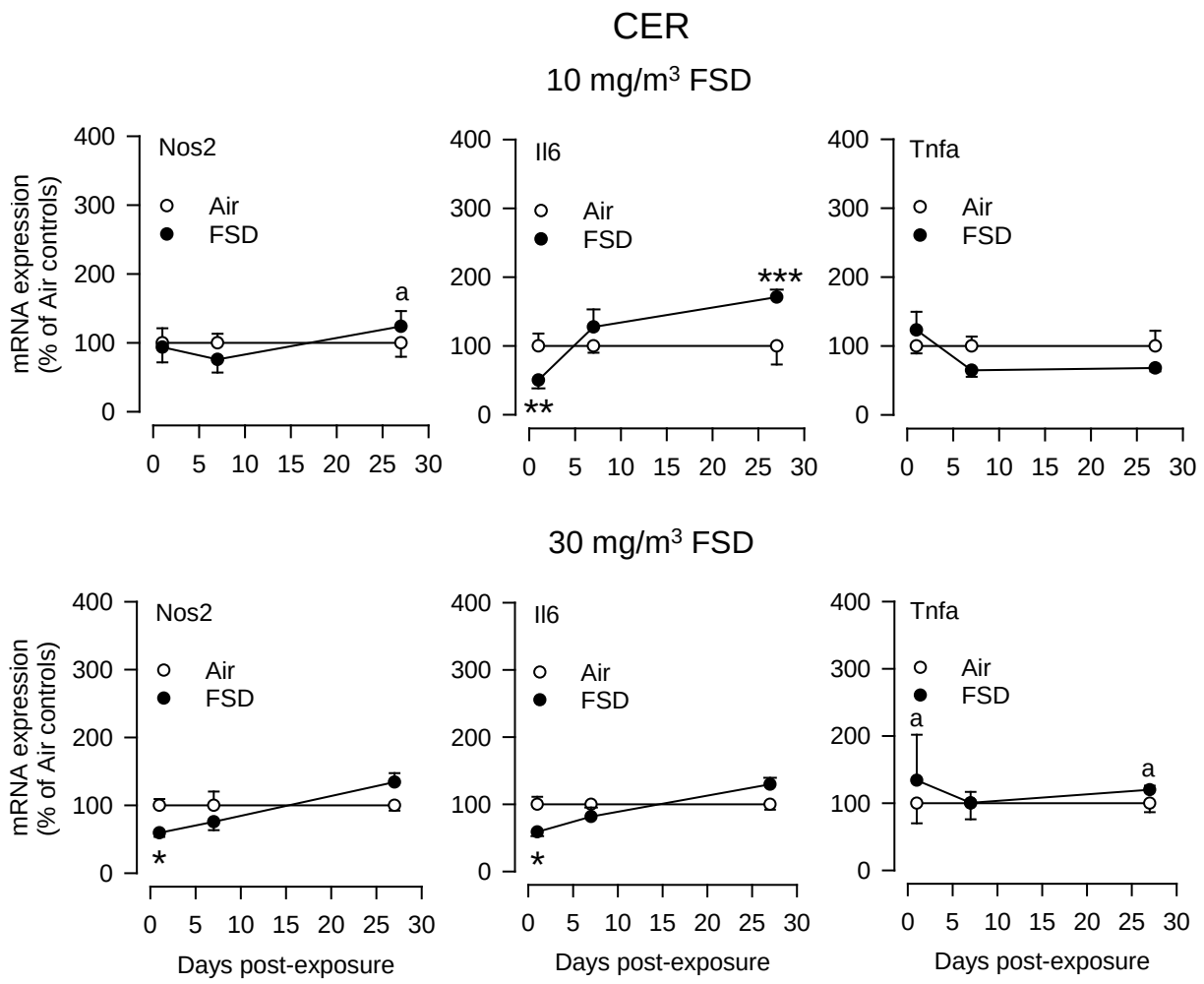


Fig797
from fig781 and fig784

Fig. 7
Sriram et al.

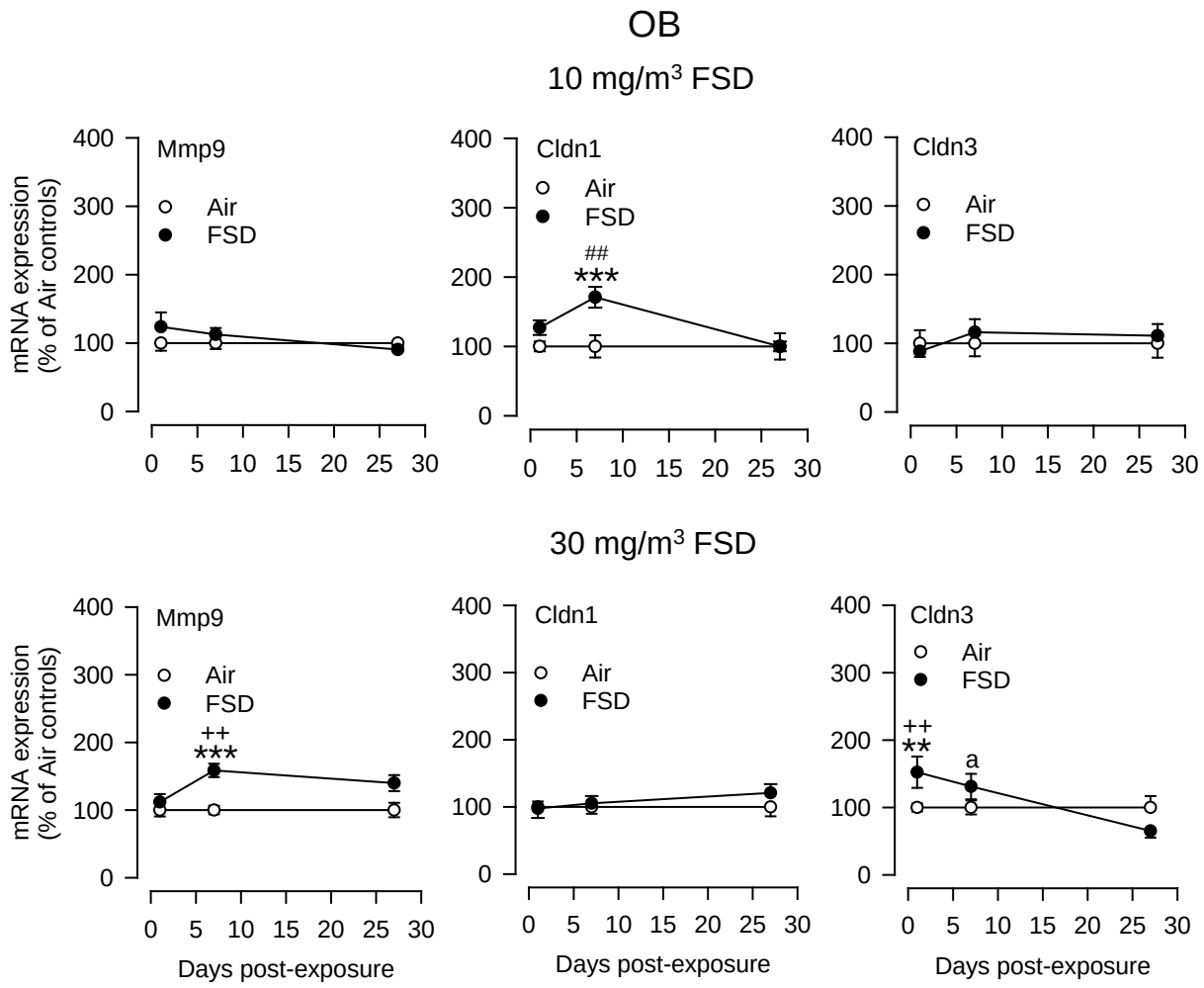


Fig798
from fig785 and fig788

Fig. 8
Sriram et al.

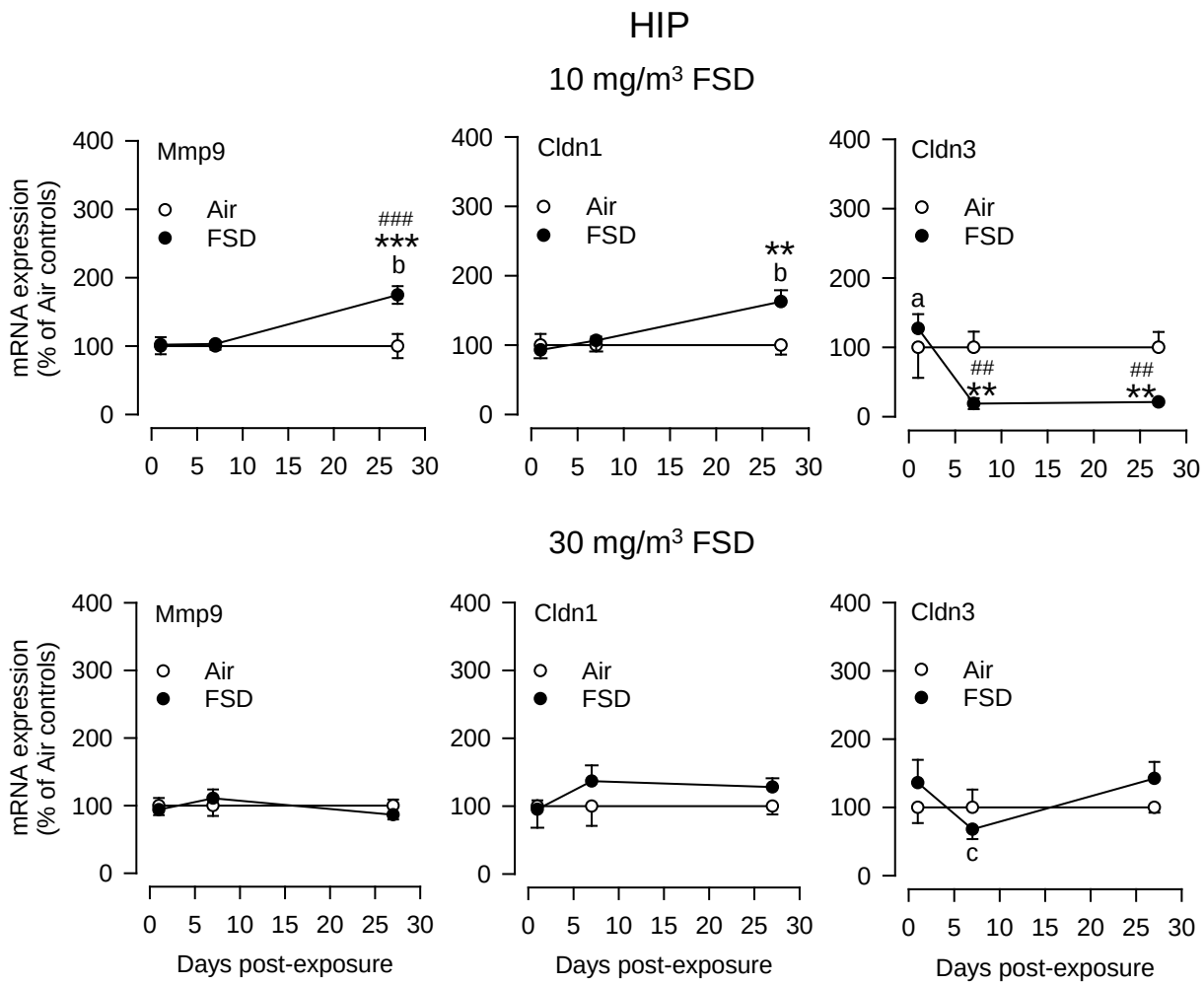


Fig799
from fig786 and fig788

Fig. 9
Sriram et al.

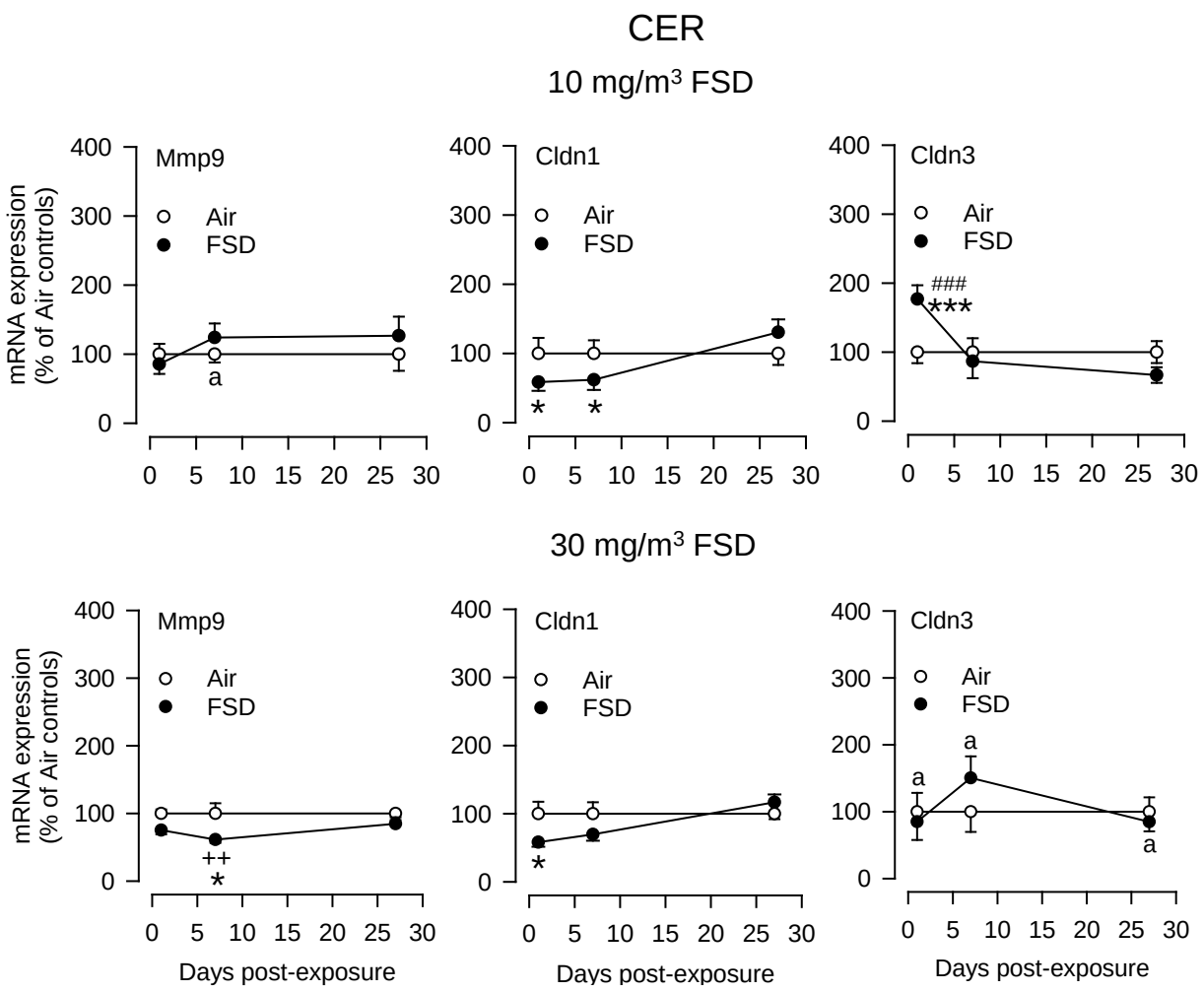
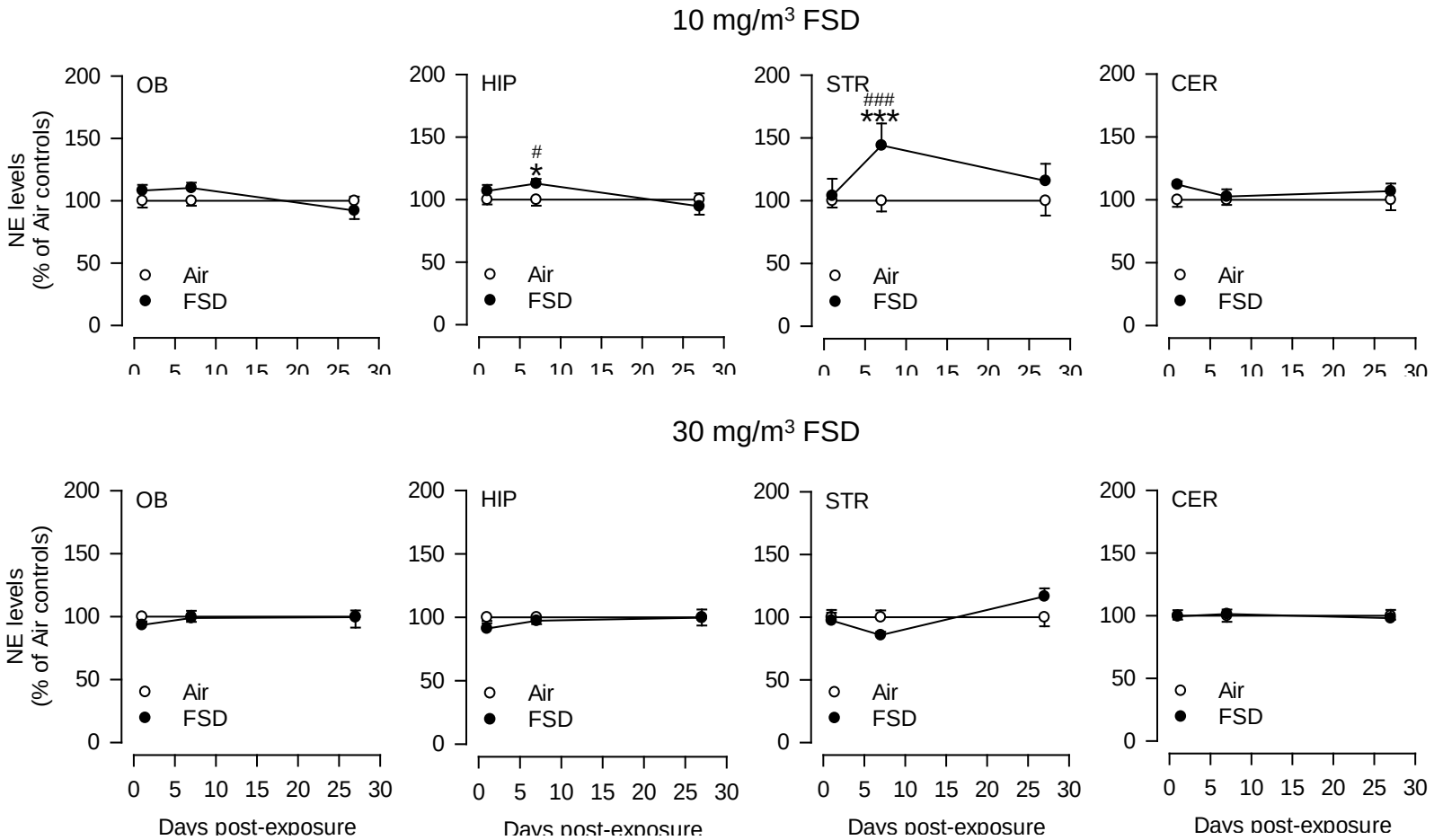


Fig800
from fig787 and fig790

Fig. 10
Sriram et al.



748
740, 741

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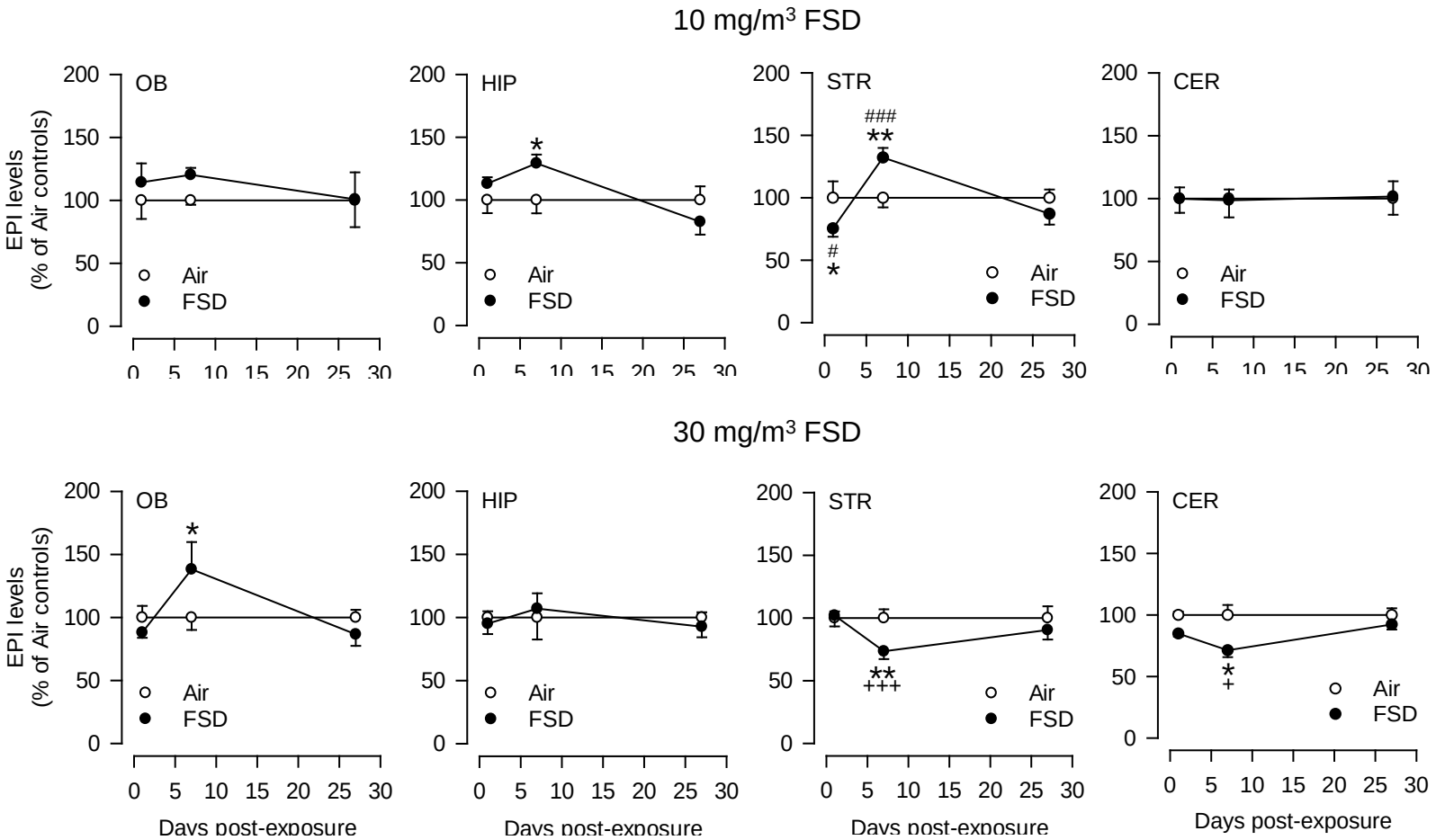
Sriram et al.



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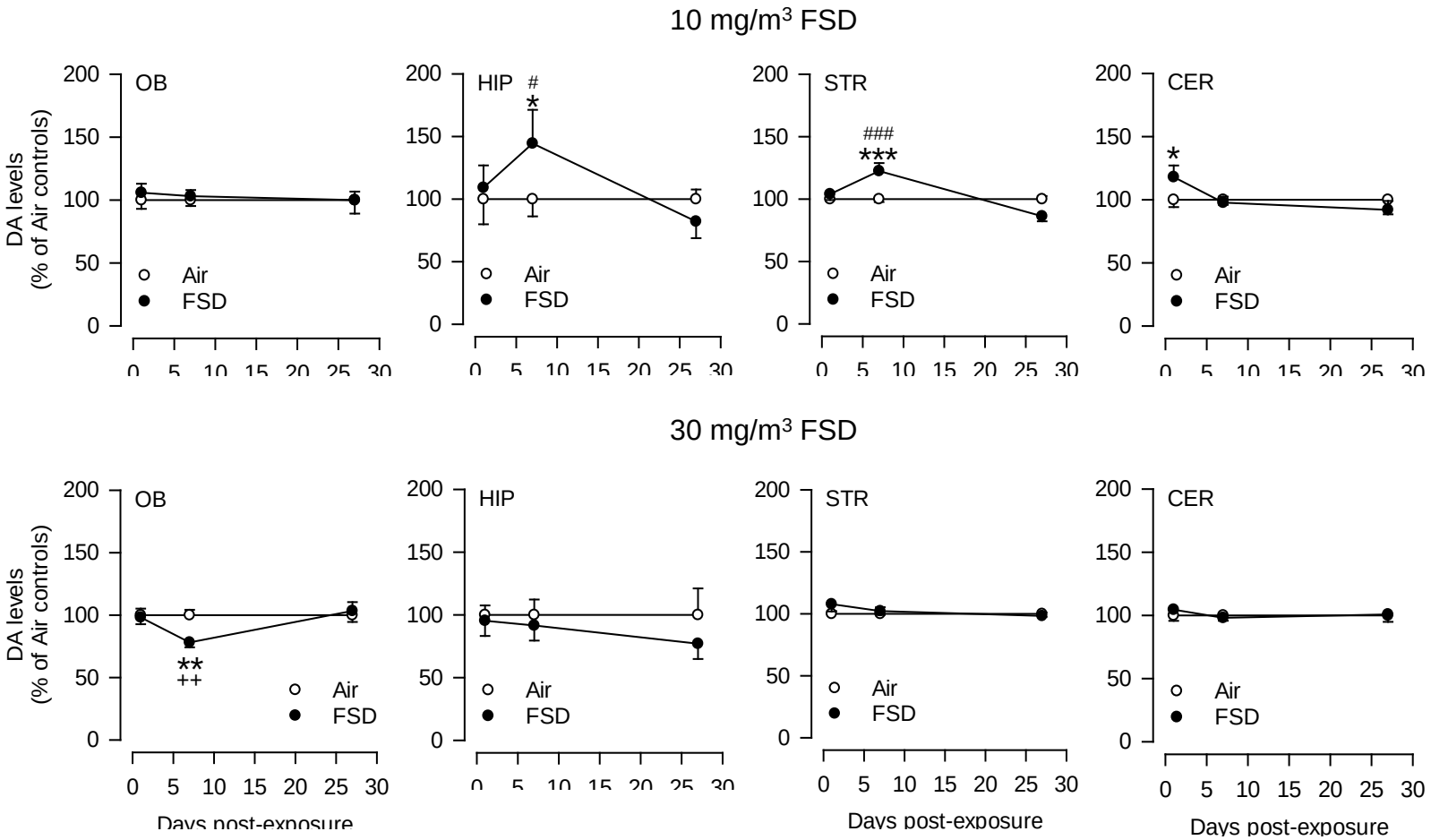
Sriram et al.



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Sriram et al.

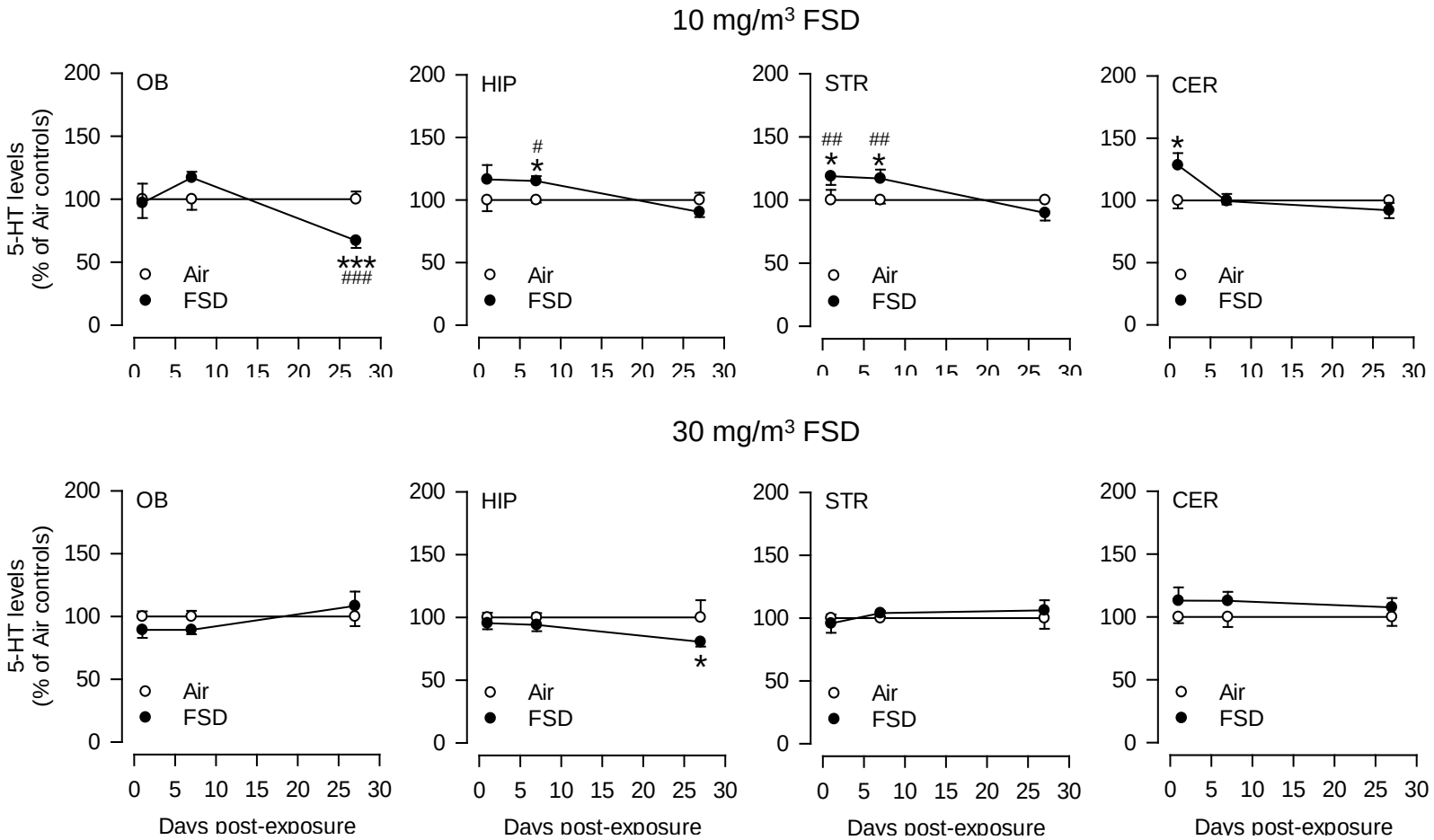
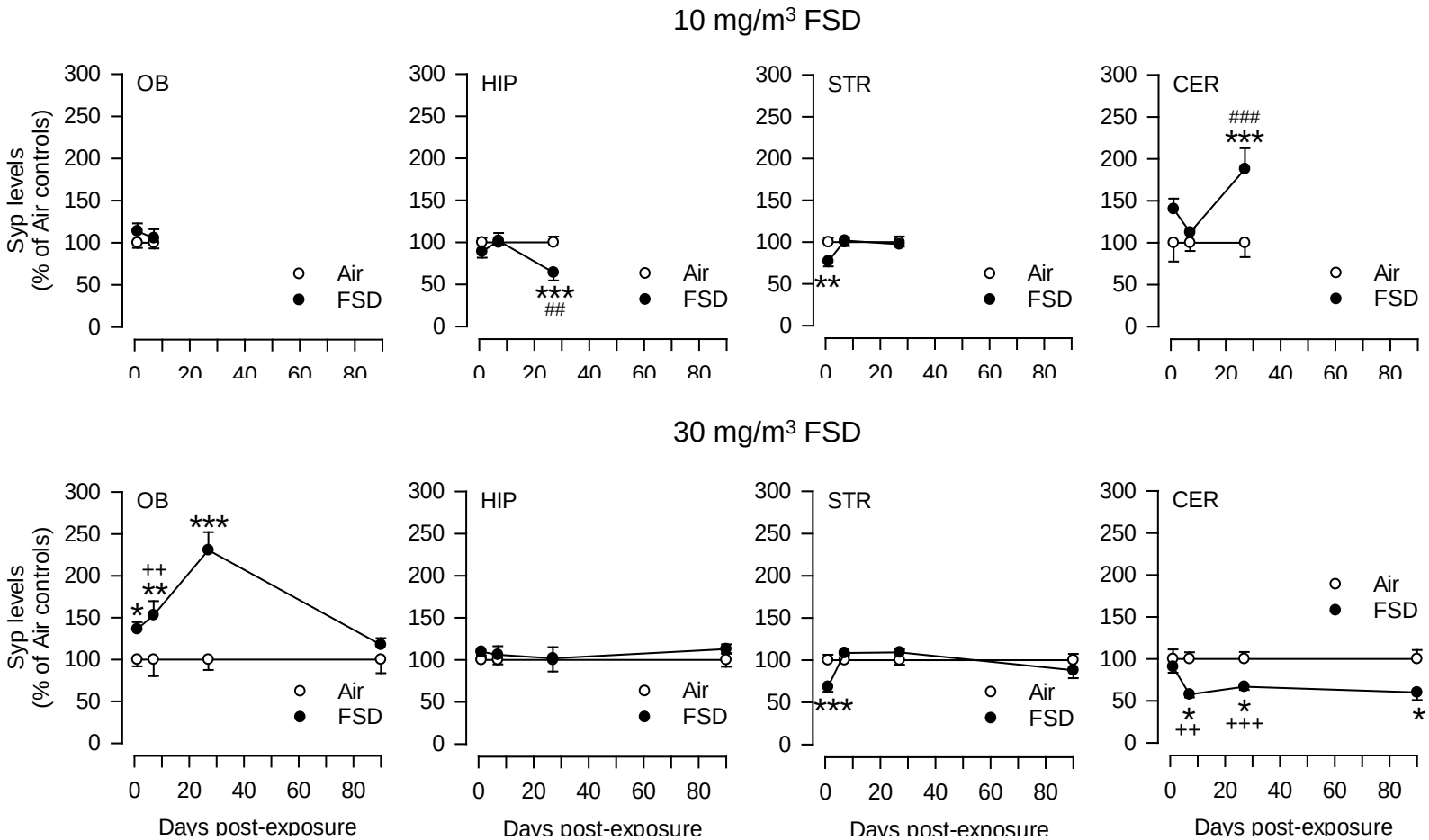


Fig. 14
Sriram et al.



763
750, 751

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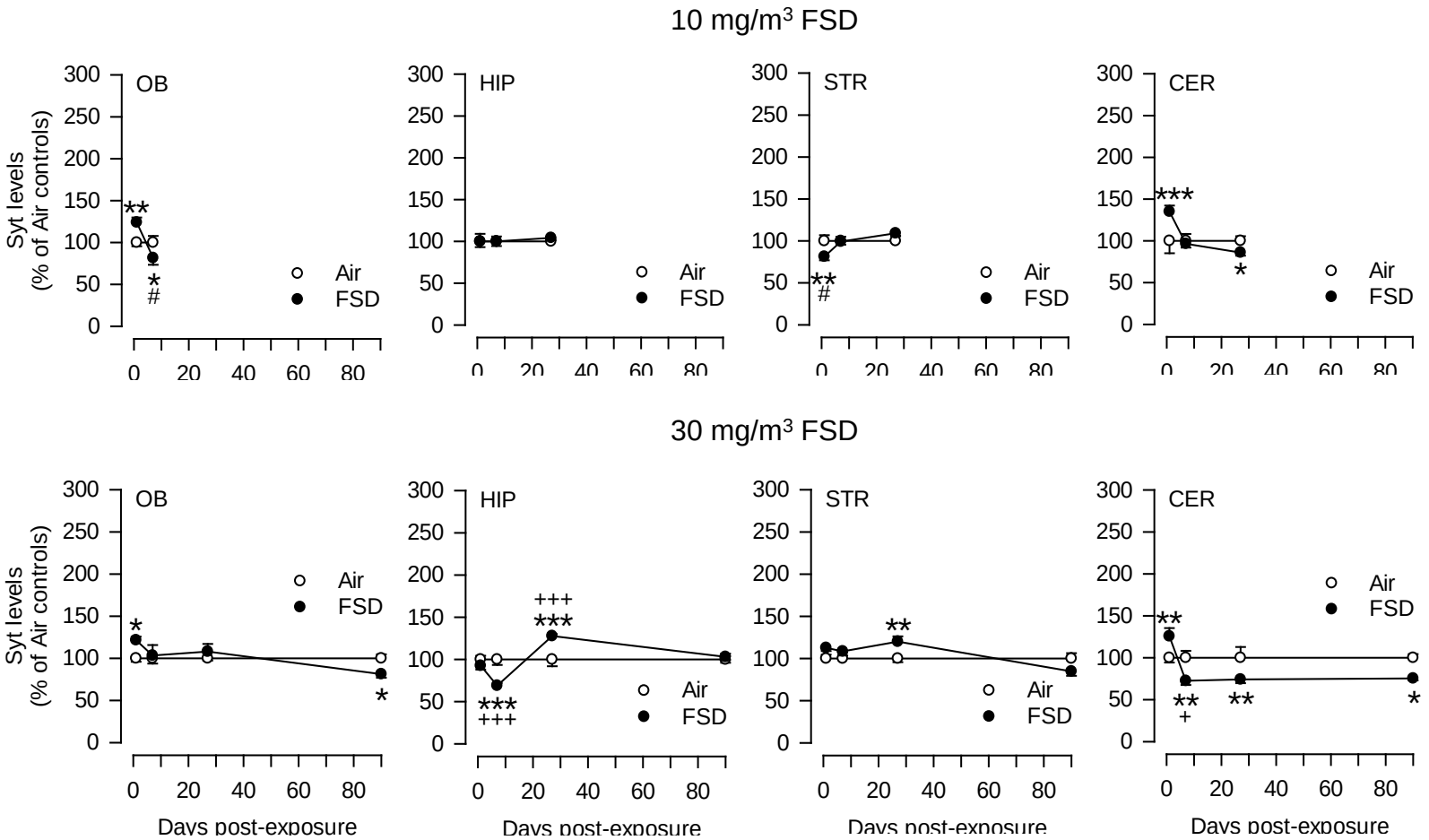
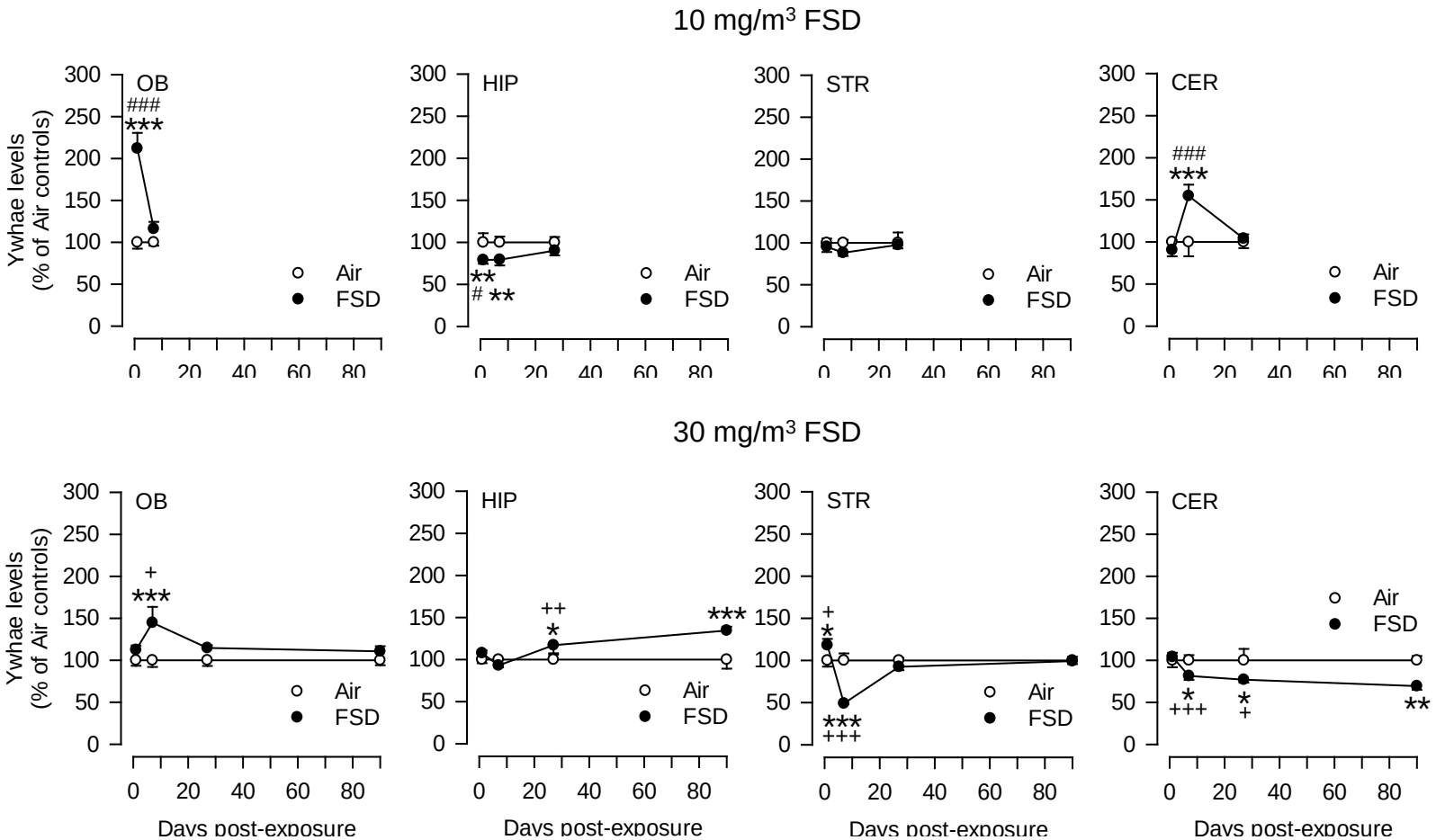
Sriram et al.



764
752, 753

Fig. 16
Sriram et al.



765
754, 755

Fig. 17
Sriram et al.

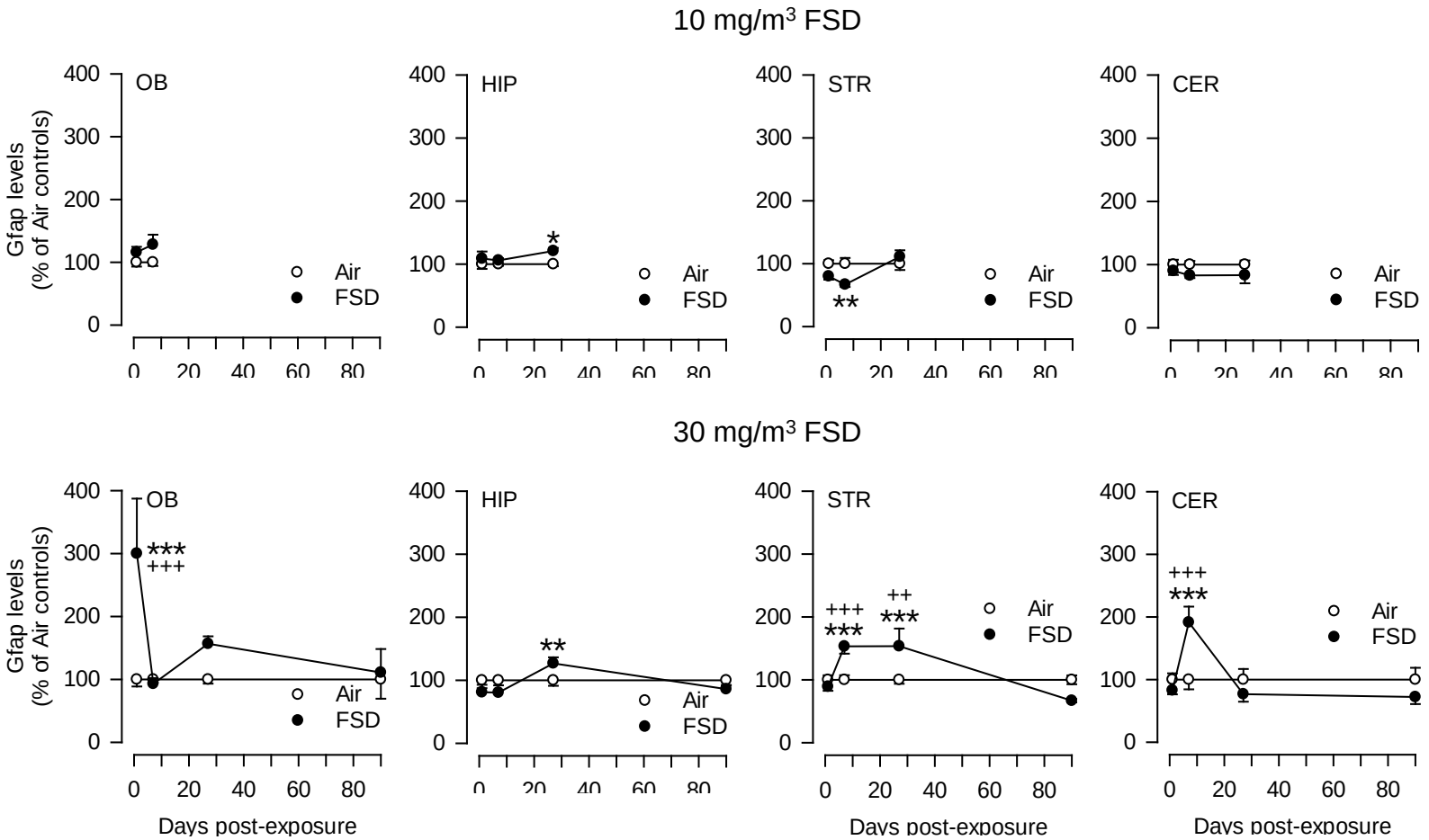
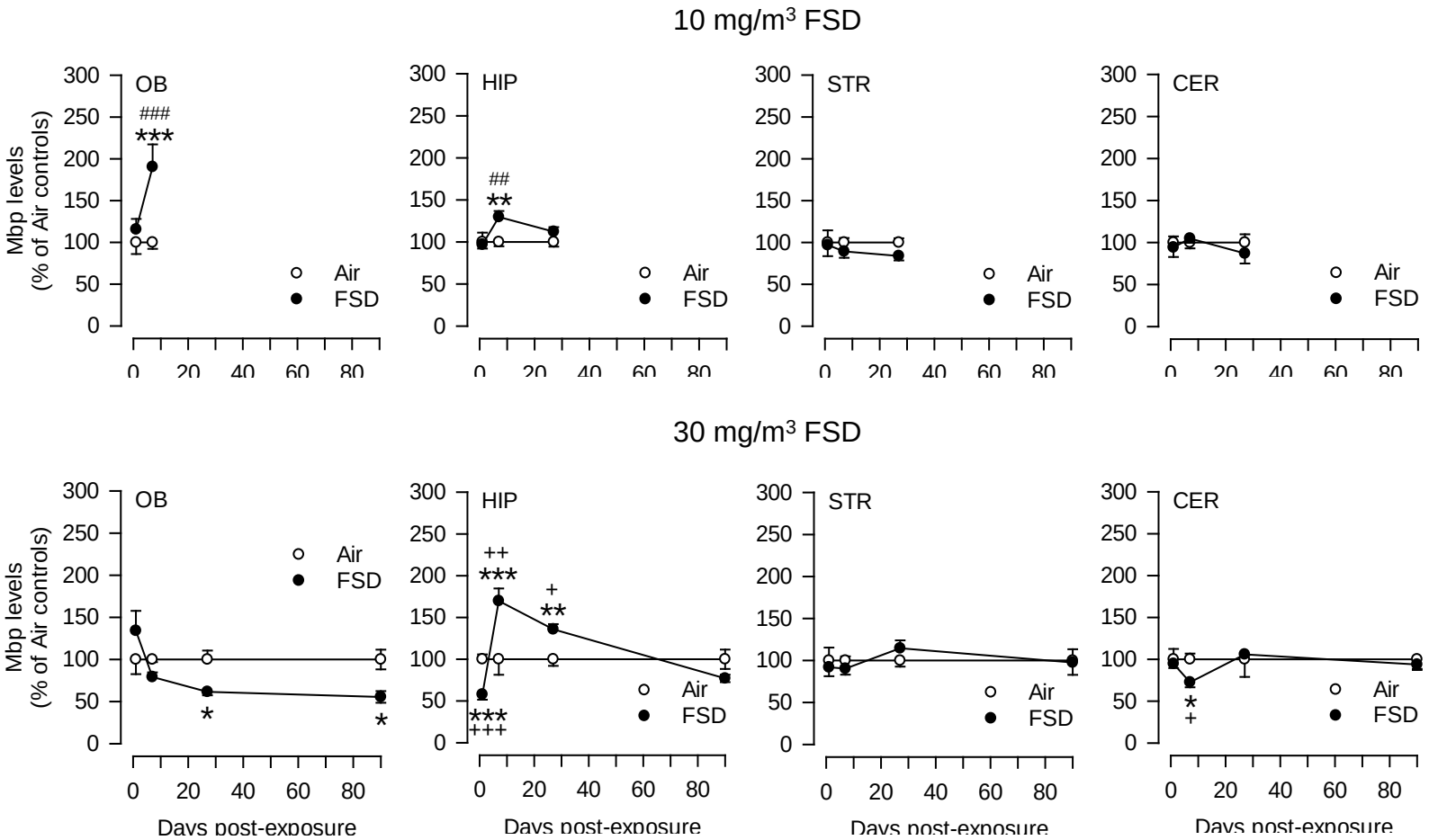
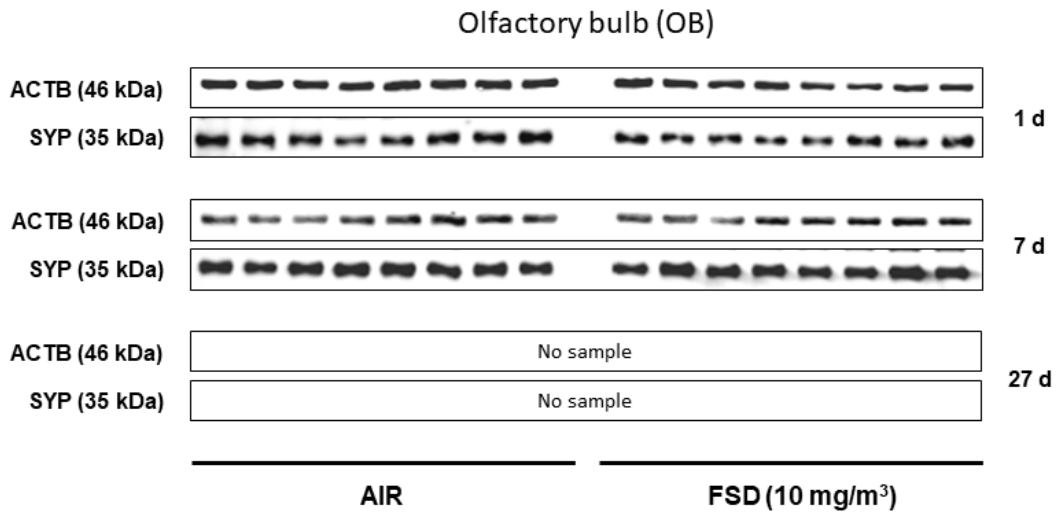


Fig. 18
Sriram et al.



762
748, 749

Fig. S1 A
Sriram et al



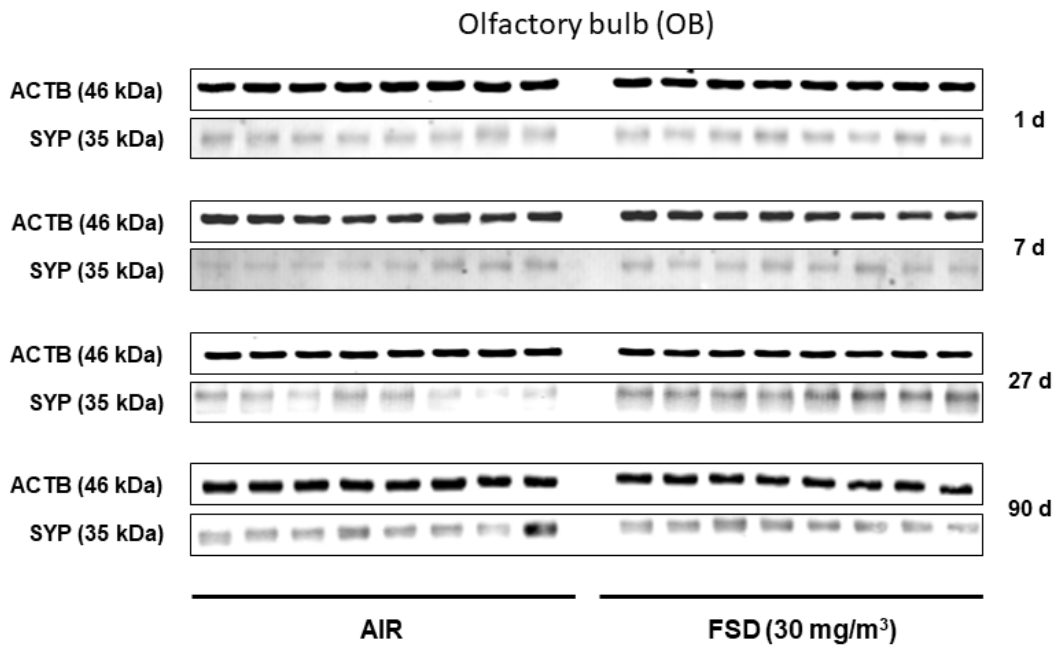


Fig. S1 B
Sriram et al

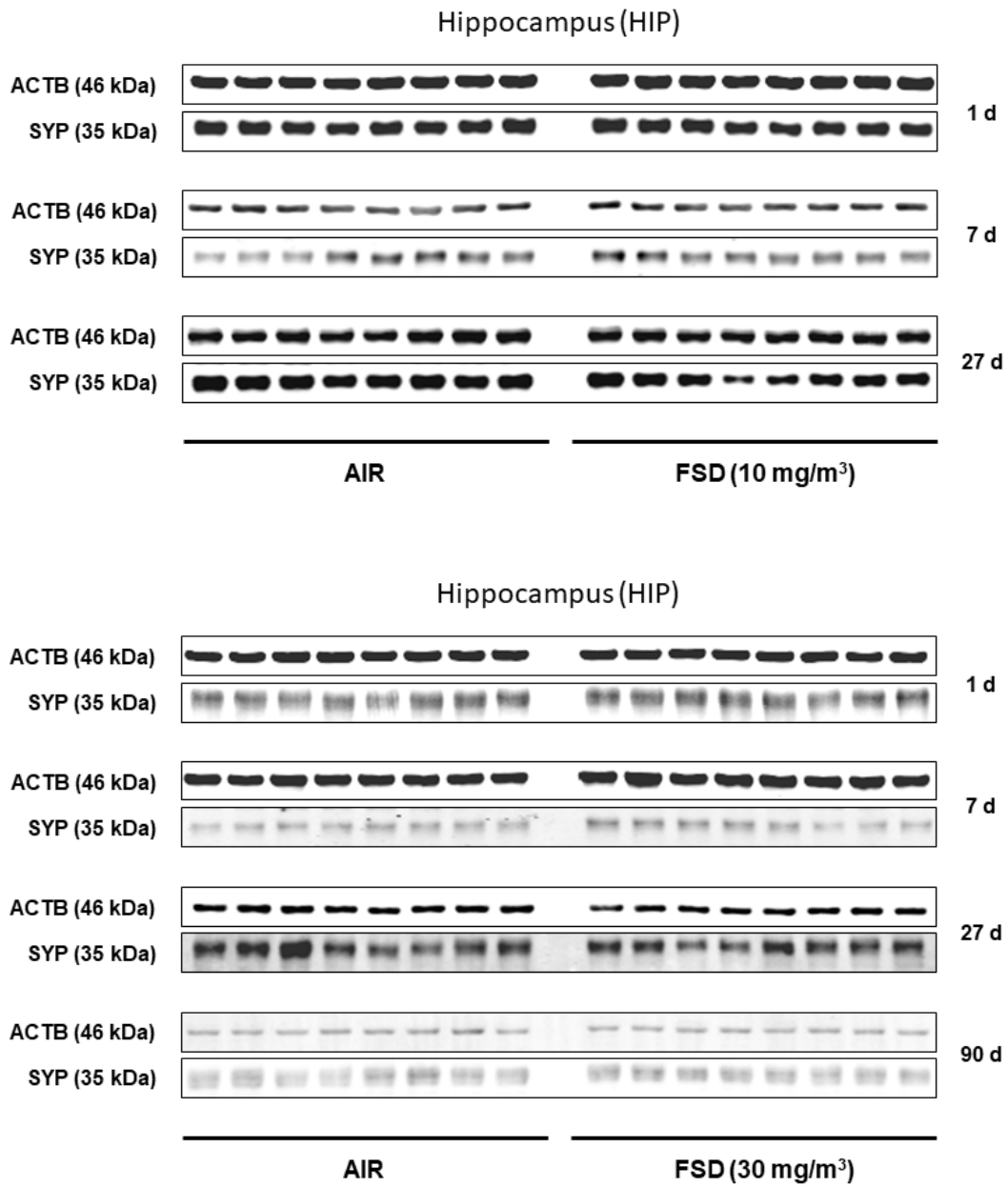


Fig. S1 C
Sriram et al

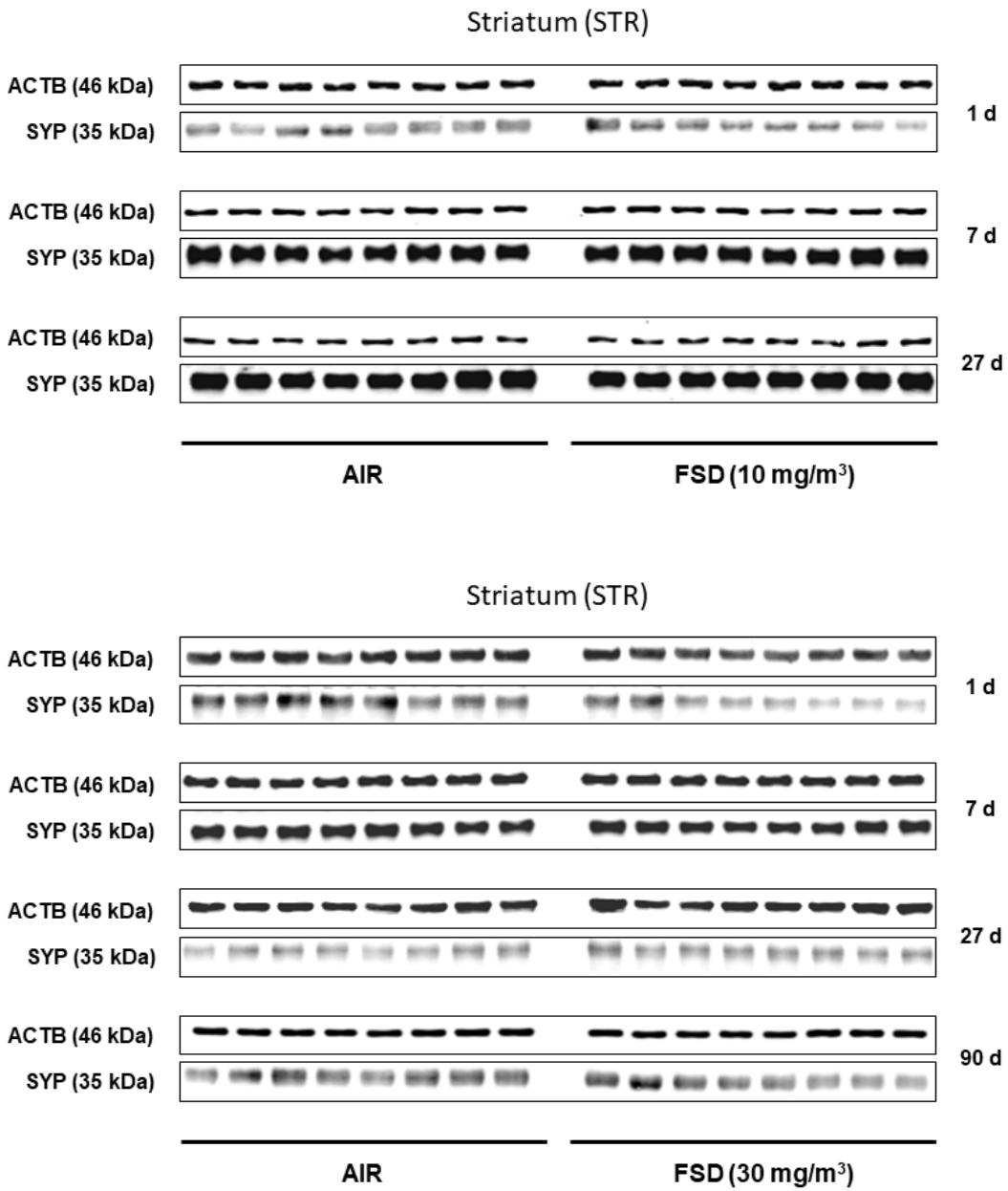
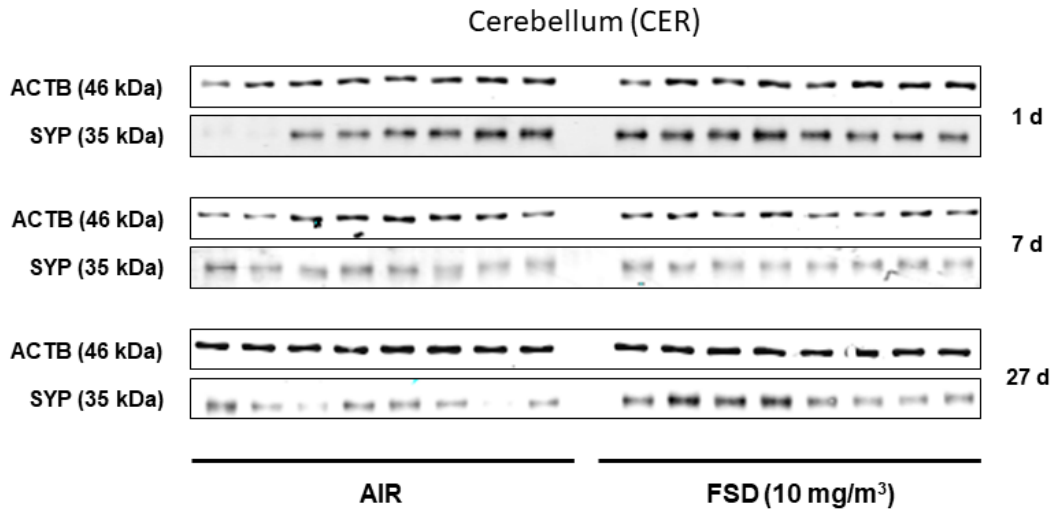


Fig. S1 D
Sriram et al



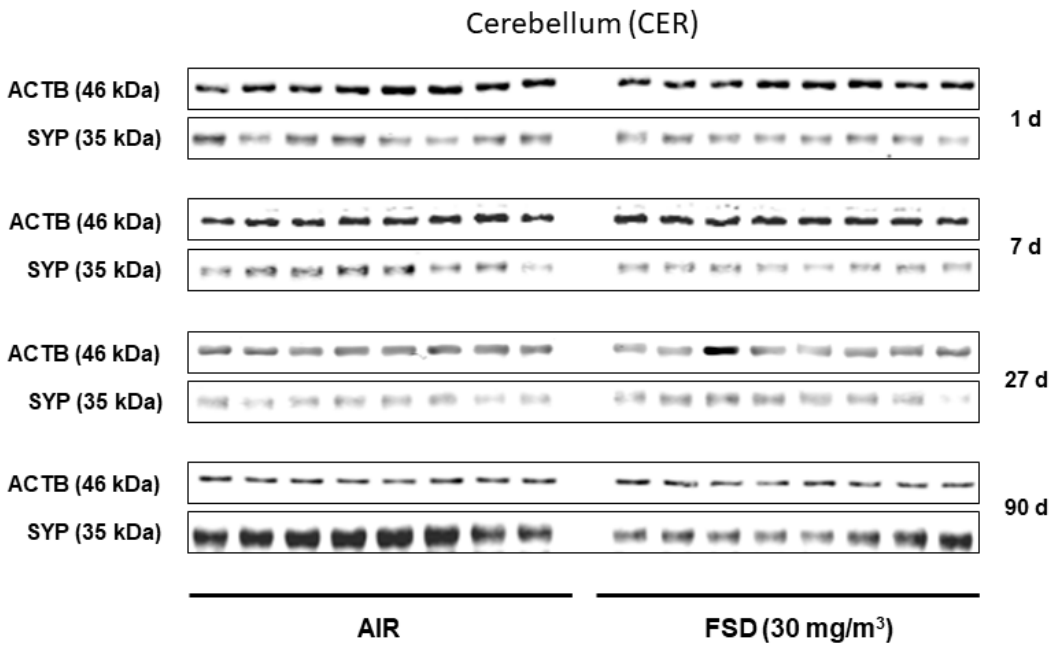
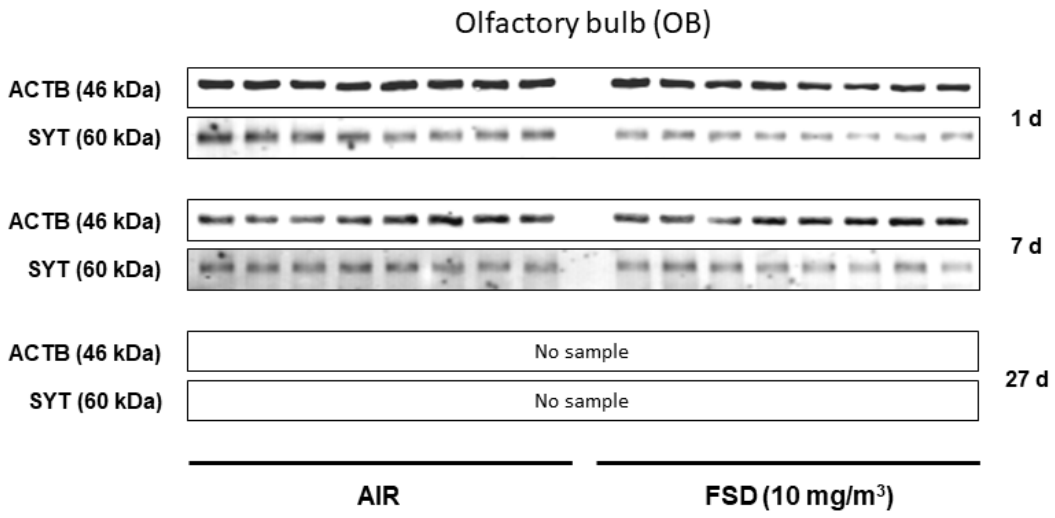


Fig. S2 A
Sriram et al



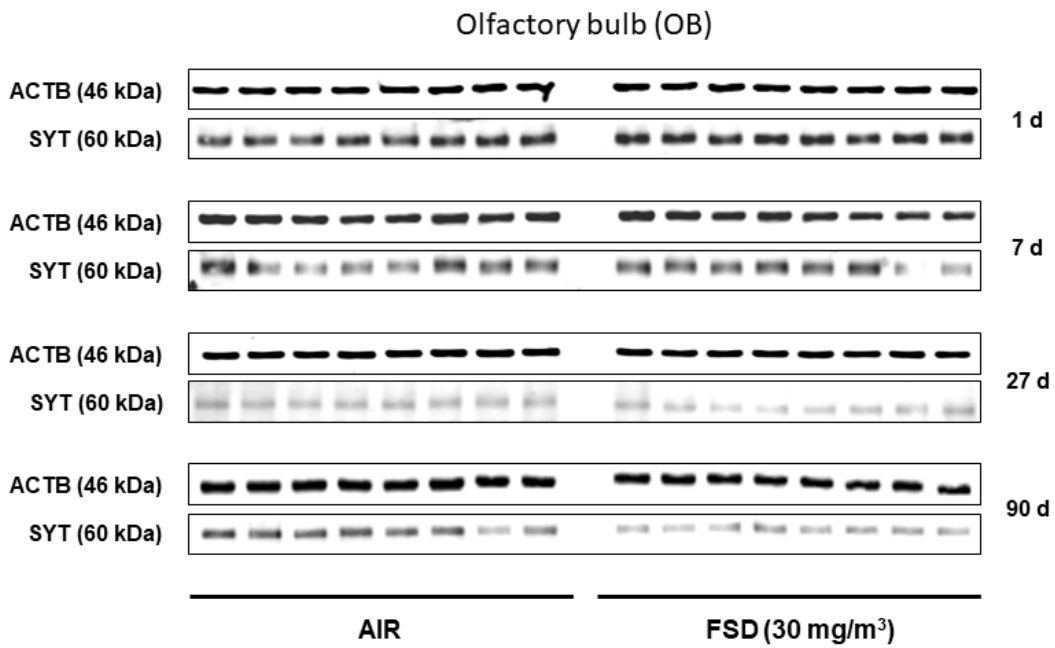


Fig. S2 B
Sriram et al

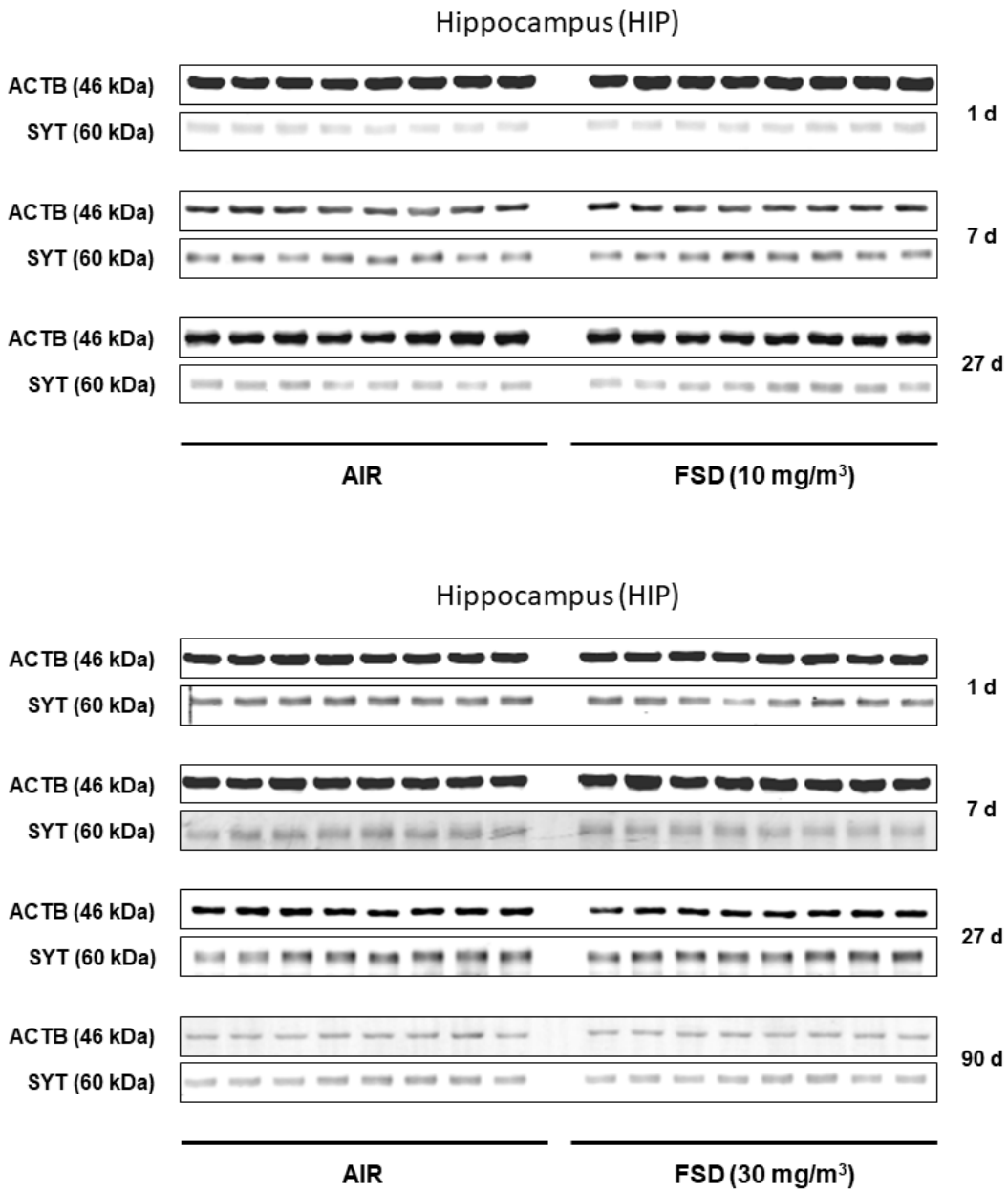
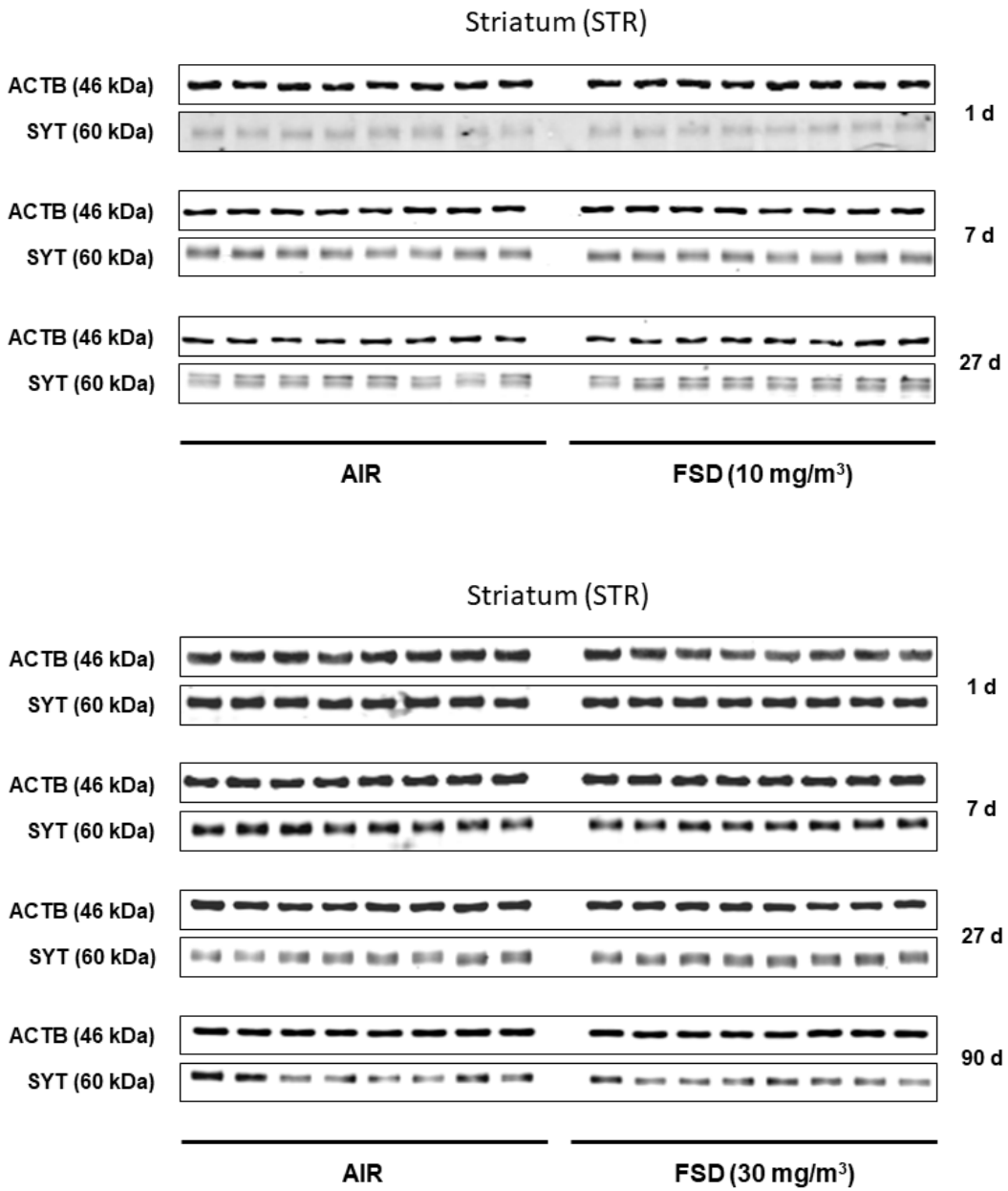


Fig. S2 C
Sriram et al



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Sriram et al

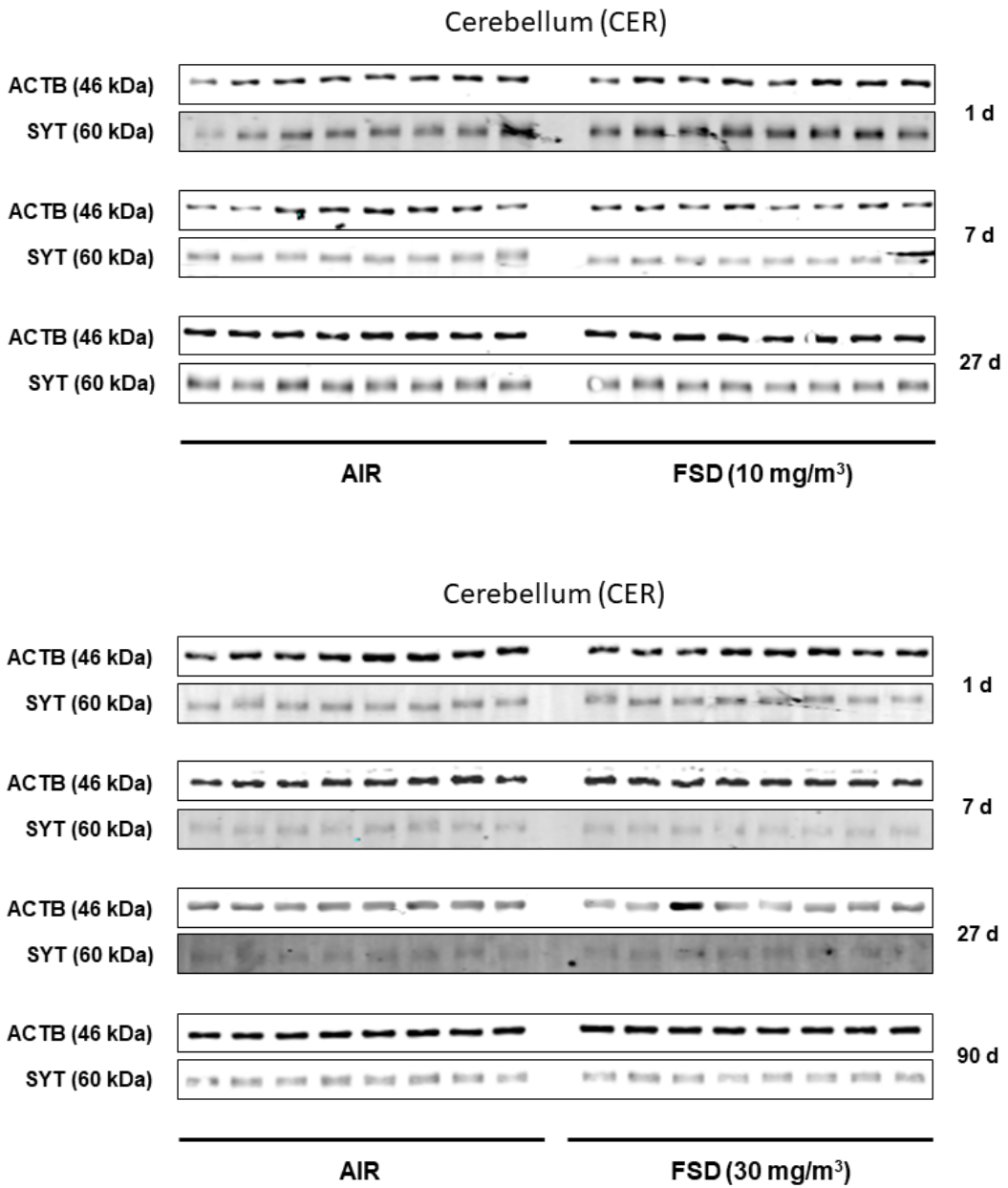
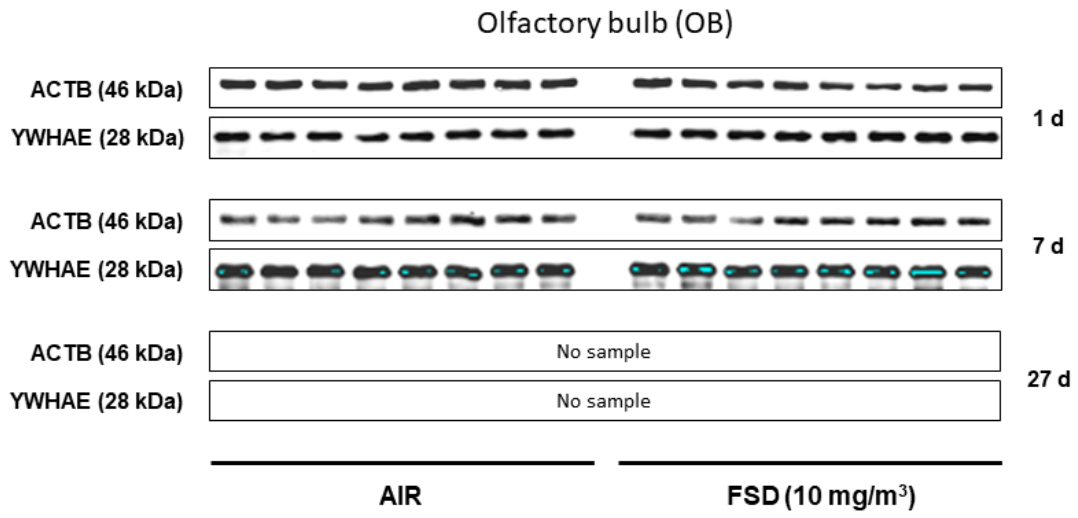


Fig. S3 A
Sriram et al



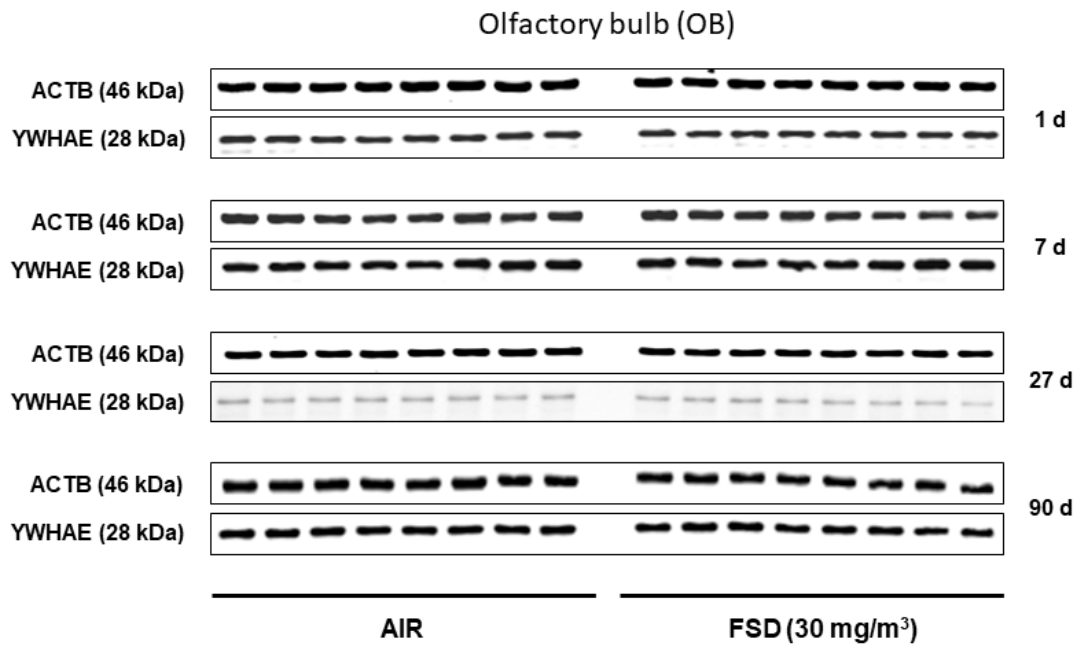
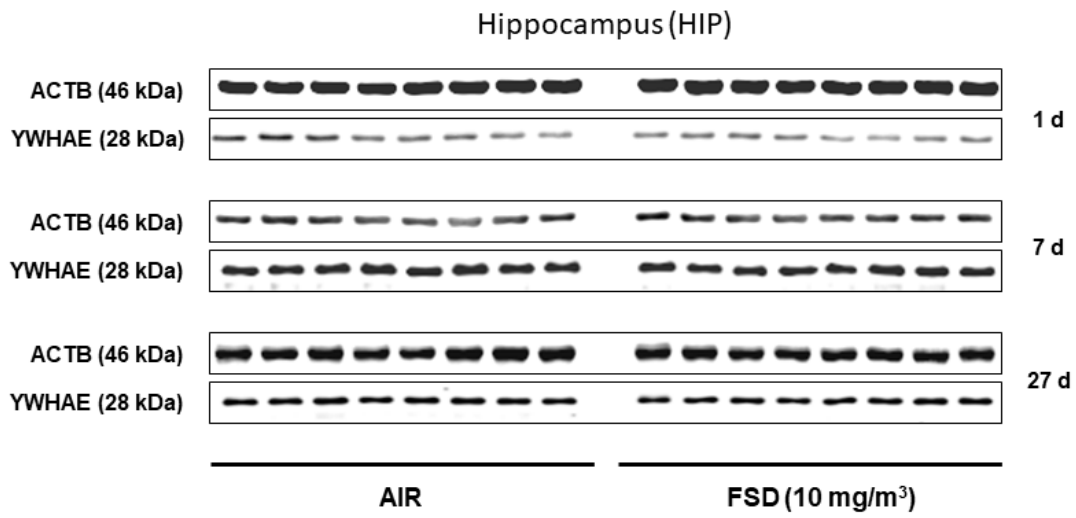


Fig. S3 B
Sriram et al



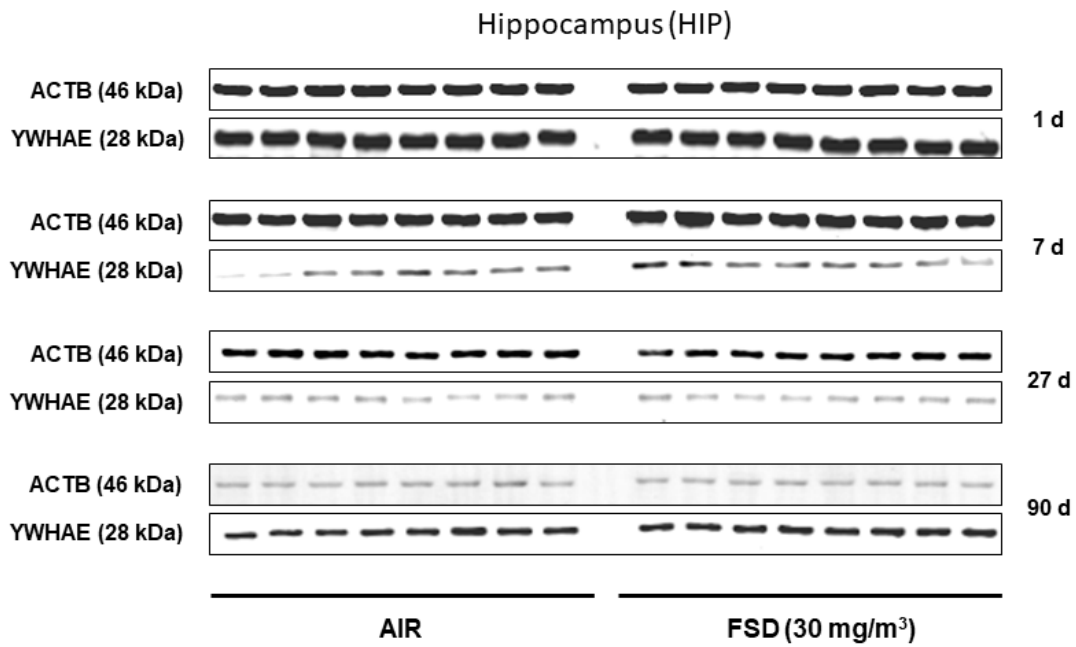
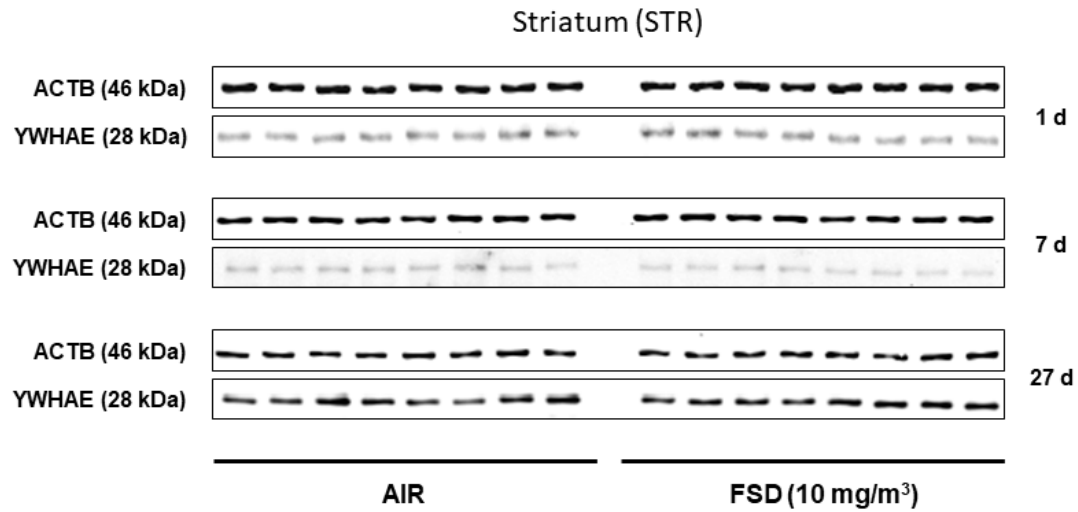


Fig. S3 C
Sriram et al



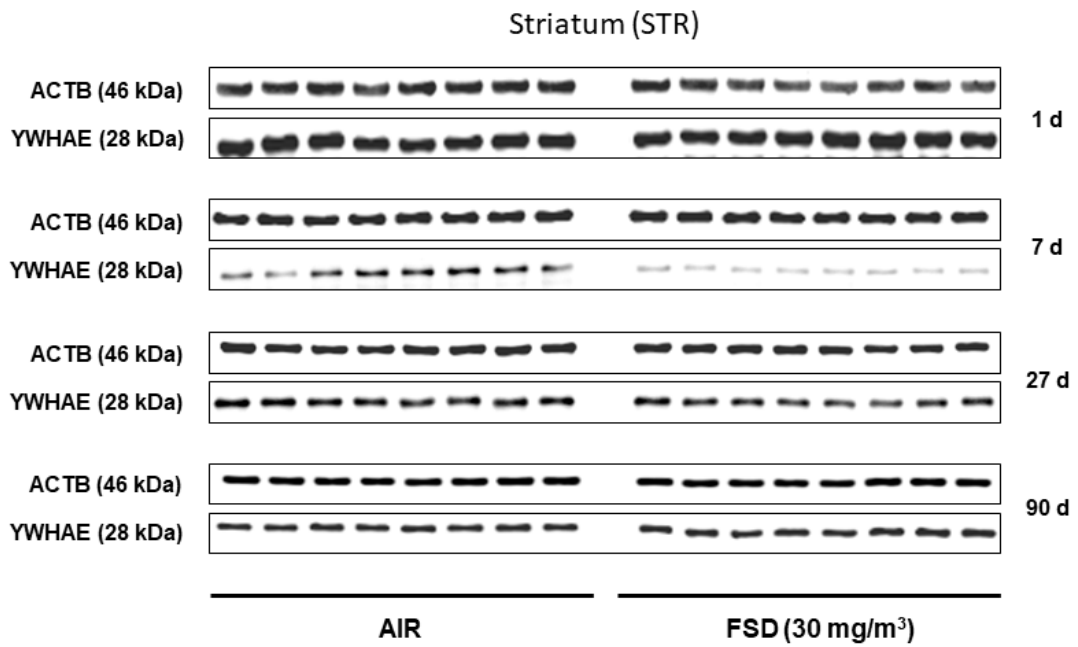
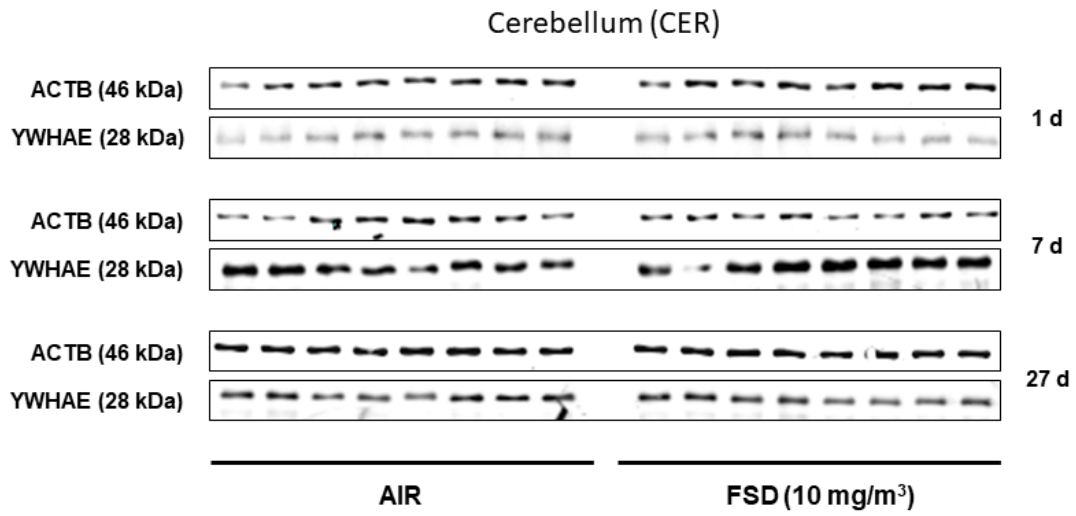


Fig. S3 D
Sriram et al



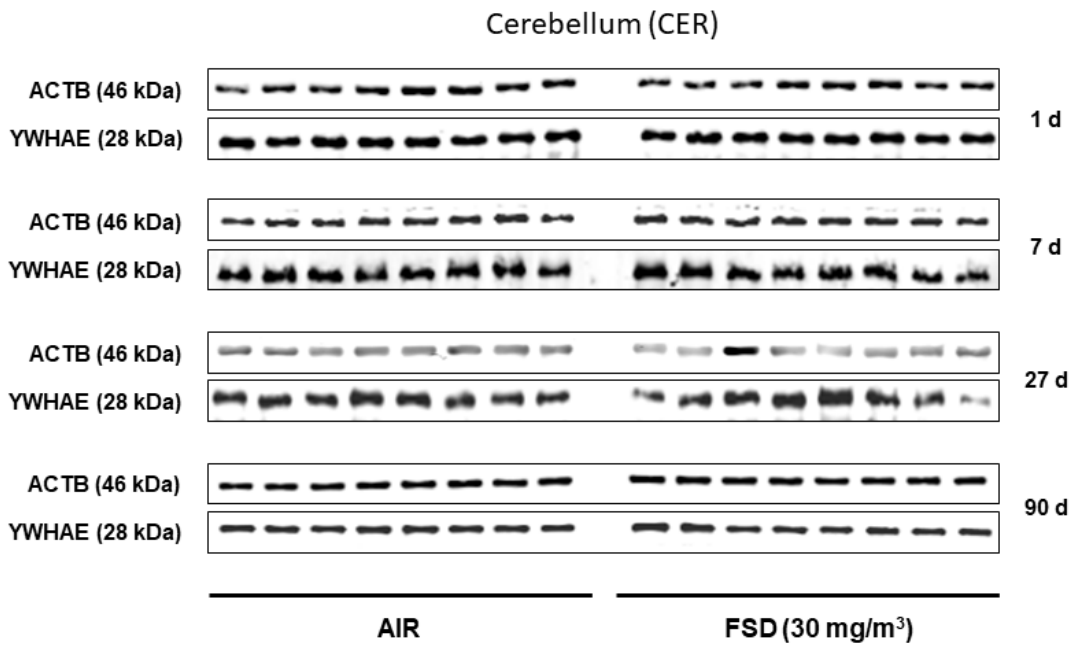


Fig. S4 A
Sriram et al

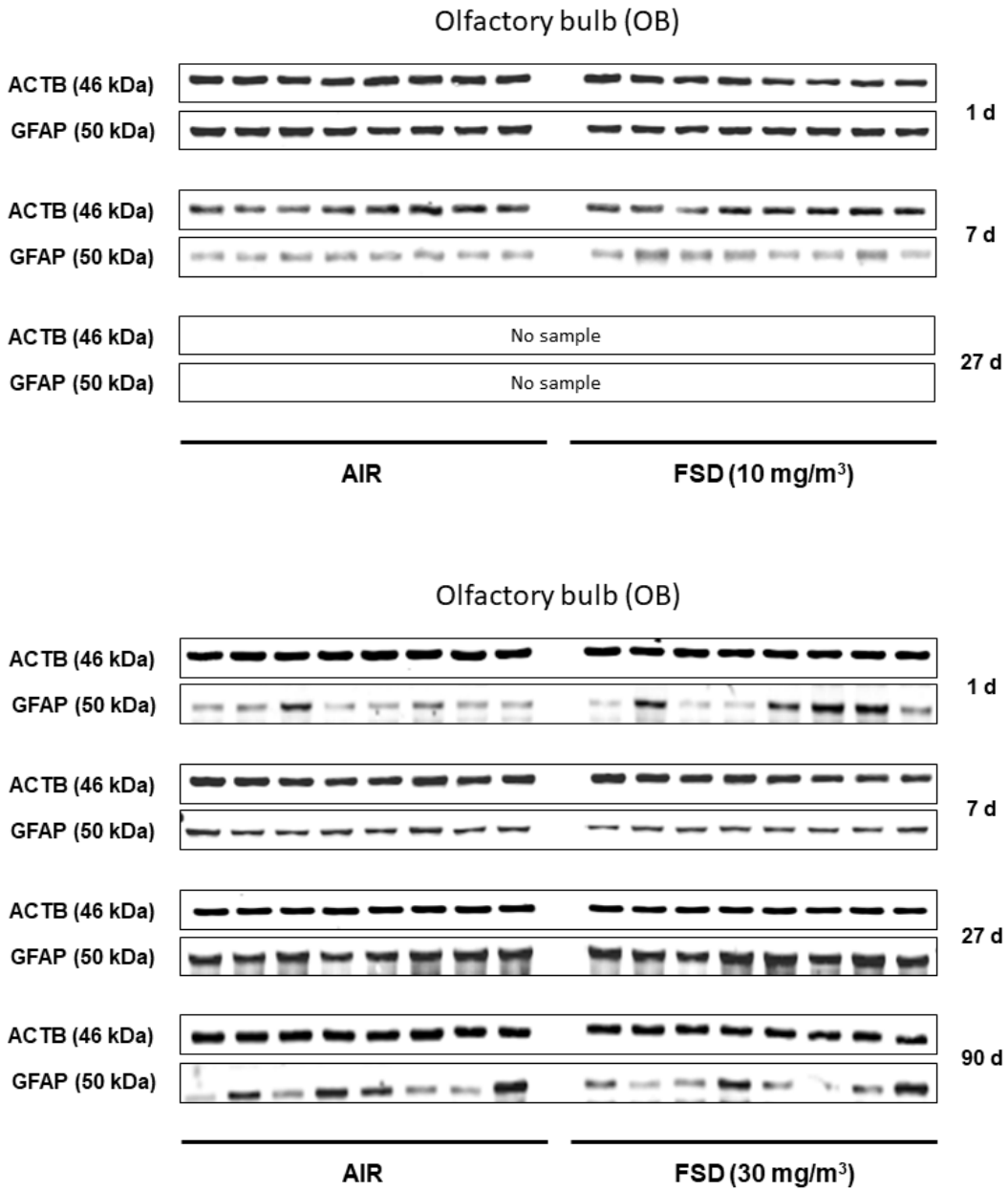


Fig. S4 B
Sriram et al

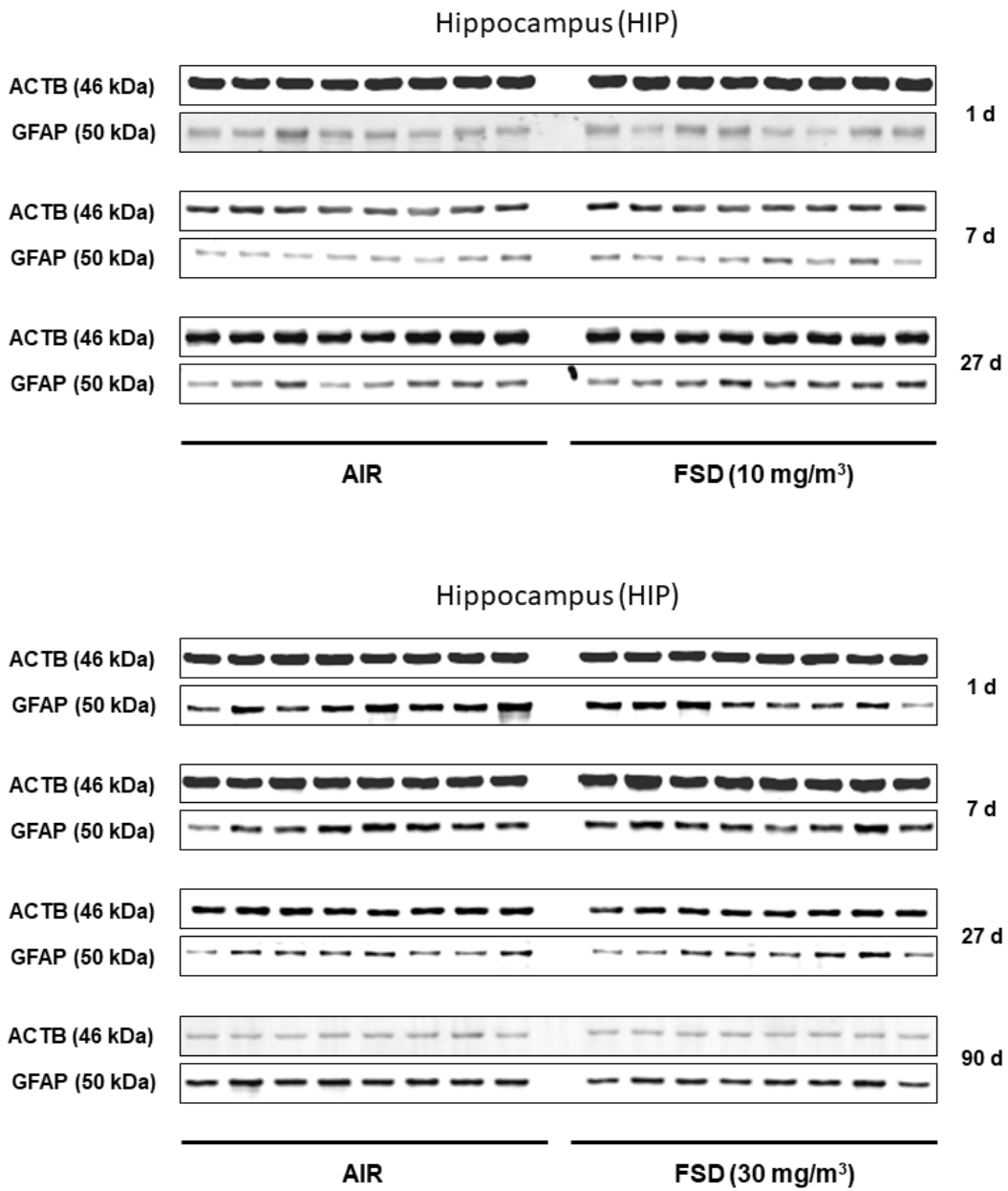


Fig. S4 C
Sriram et al

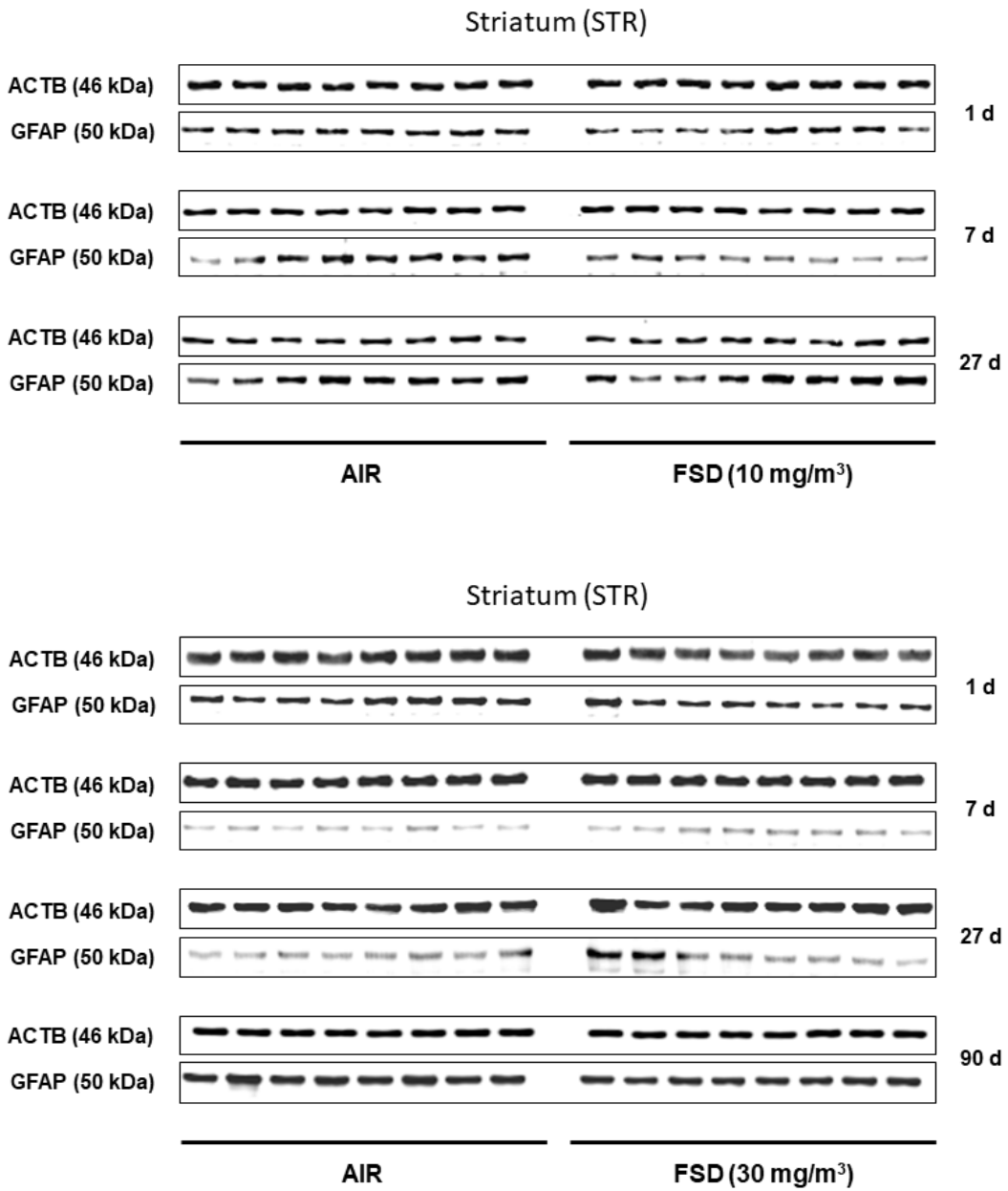


Fig. S4 D
Sriram et al

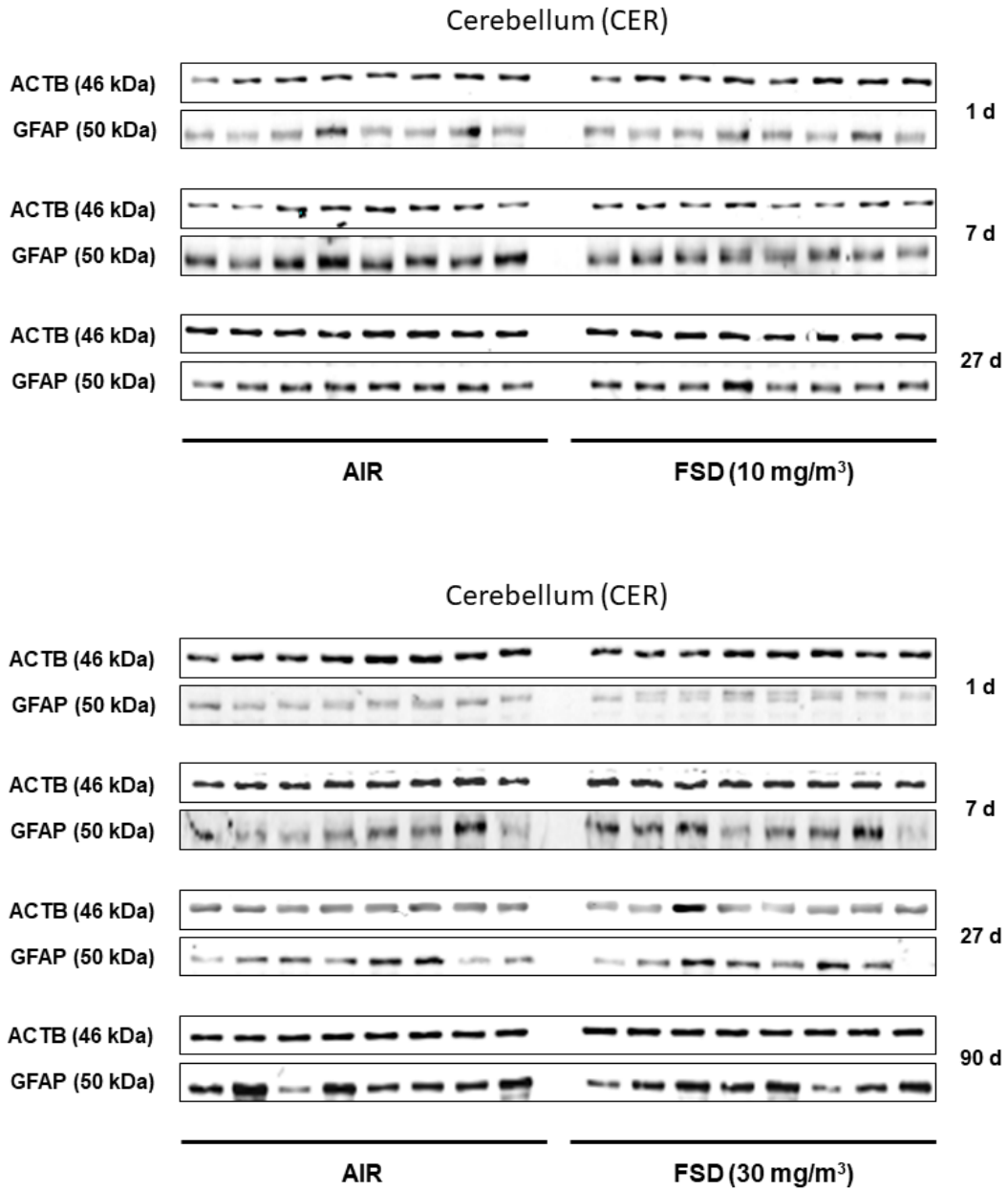
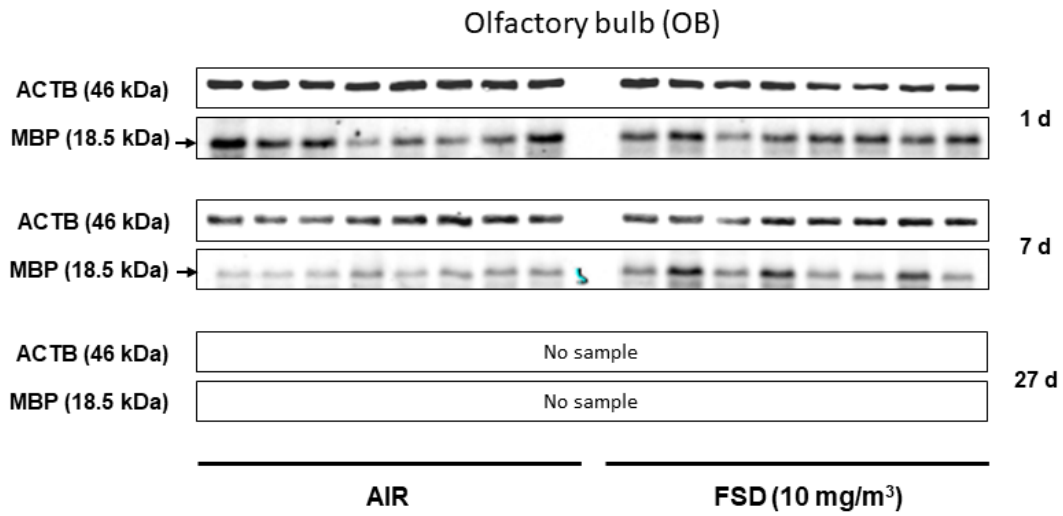


Fig. S5 A
Sriram et al



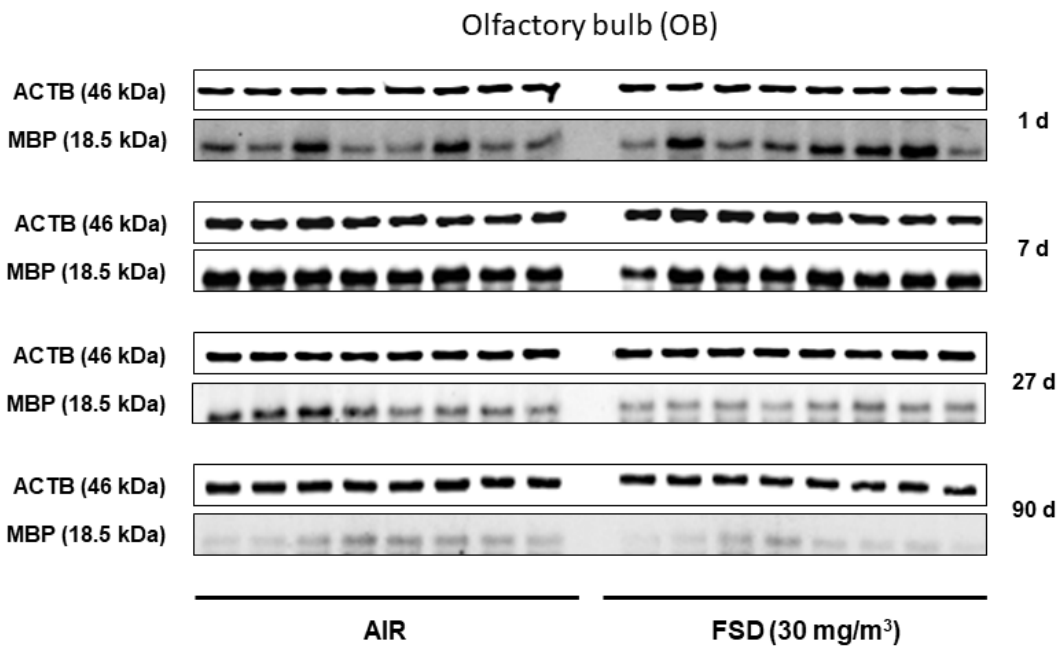
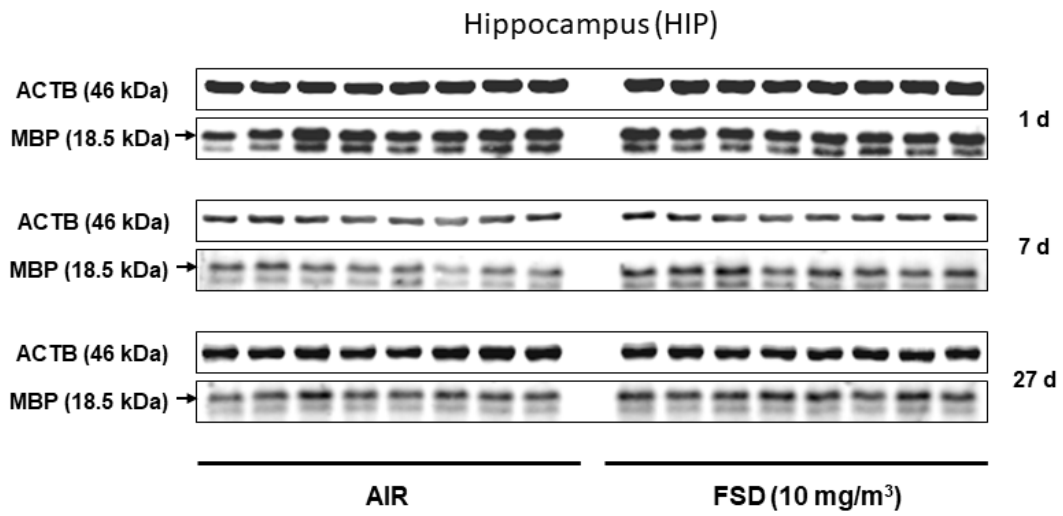


Fig. S5 B
Sriram et al



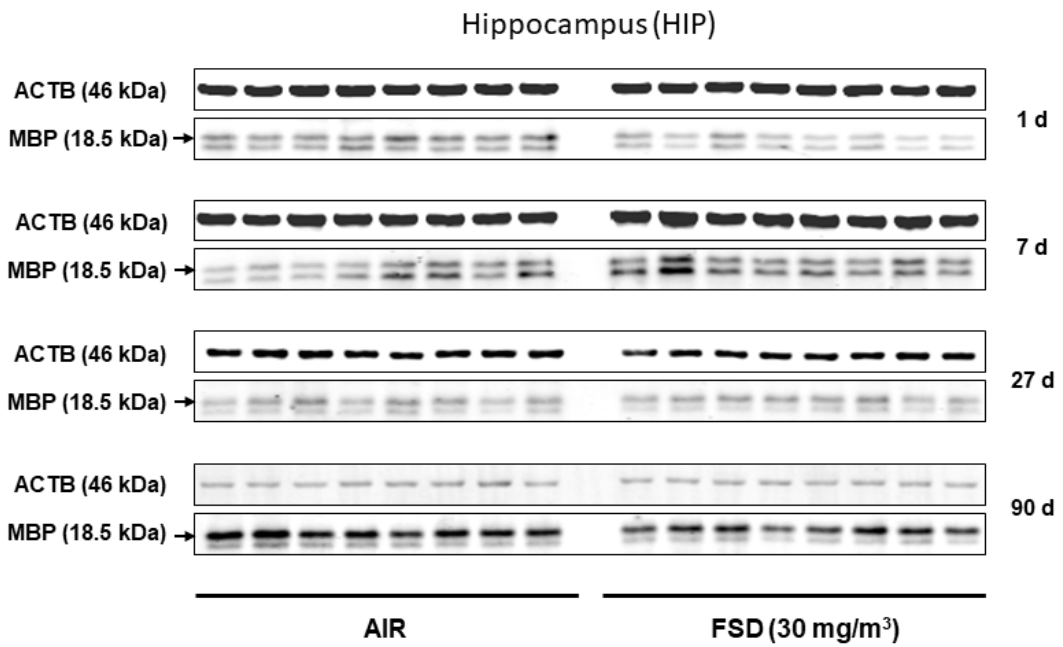


Fig. S5 C
Sriram et al

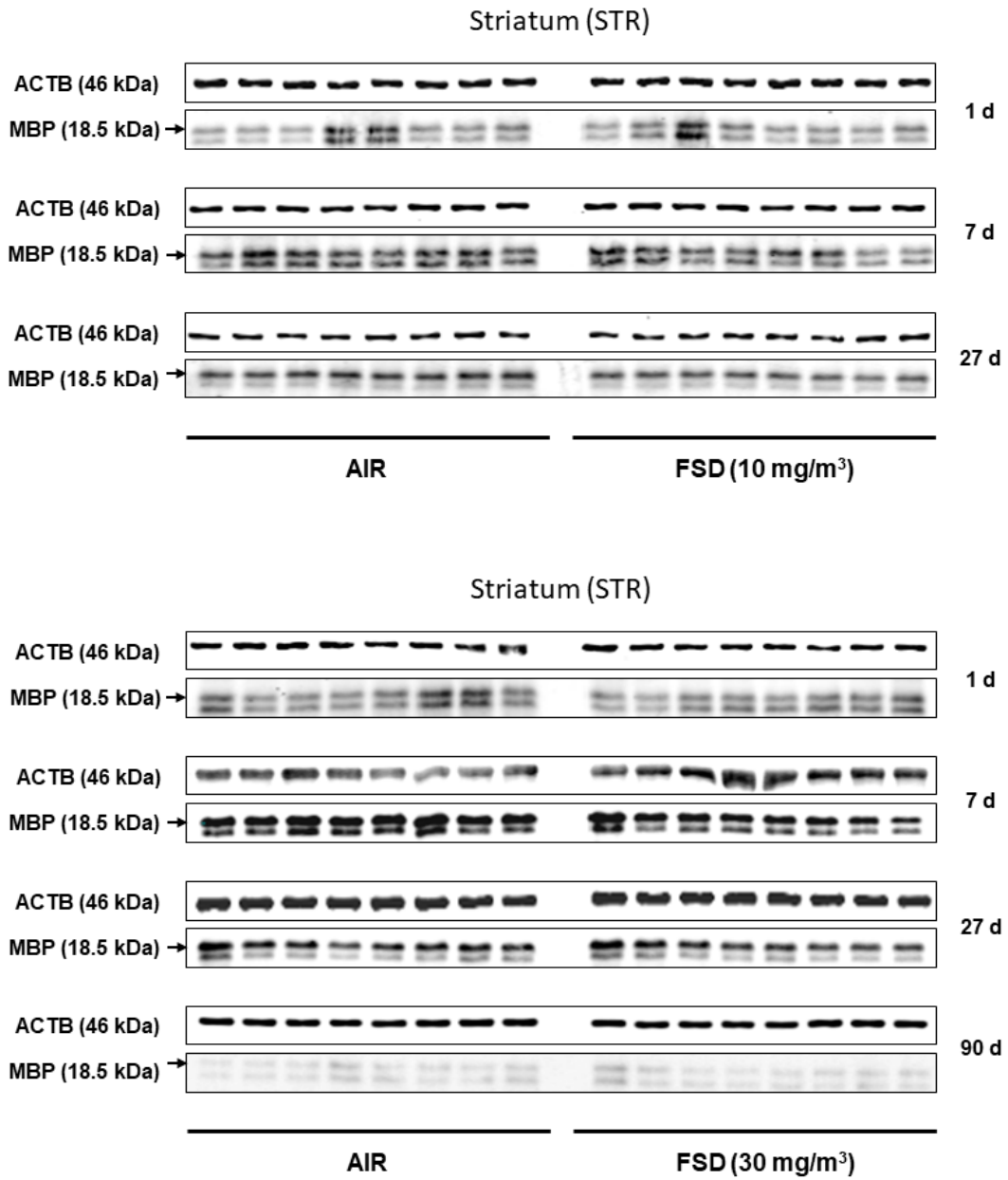


Fig. S5 D
Sriram et al

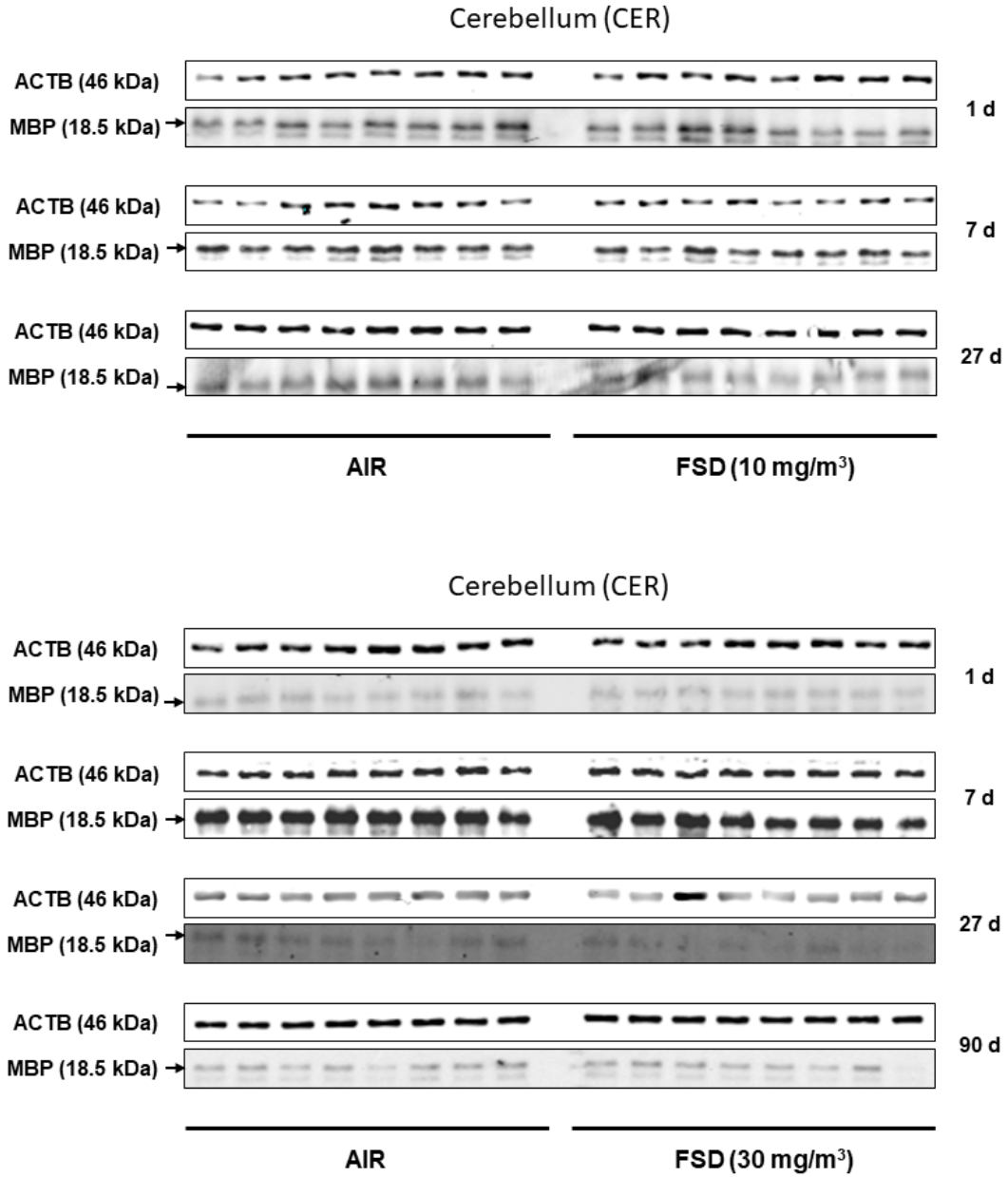


Table 1: Metabolites of dopamine and serotonin in olfactory bulb and hippocampus

Brain Region	Group	Dose	DOPAC	HVA	5-HIAA
OB	AIR 1 d	0	100.0 ± 6.3	100.0 ± 7.6	100.0 ± 14.7
	FSD 8 8 1 d	10 mg/m^3	107.3 ± 7.1	104.2 ± 3.8	99.4 ± 16.6
	AIR 7 d	0	100.0 ± 6.2	100.0 ± 4.5	100.0 ± 11.1
	FSD 8 7 d	10 mg/m^3	99.2 ± 6.6	97.5 ± 3.8	92.2 ± 5.6
	AIR 27 d	0	100.0 ± 4.6	100.0 ± 11.9	100.0 ± 7.2
	FSD 8 27 d	10 mg/m^3	84.2 ± 7.8	90.6 ± 13.2	92.2 ± 5.1
	AIR 1 d	0	100.0 ± 7.5	100.0 ± 7.4	100.0 ± 15.0
	FSD 8 1 d	30 mg/m^3	101.3 ± 4.2	89.9 ± 3.5	76.8 ± 9.5
	AIR 7 d	0	100.0 ± 3.7	100.0 ± 5.7	100.0 ± 4.8
	FSD 8 7 d	30 mg/m^3	**78.1 ± 4.6***	**79.0 ± 3.3***	82.5 ± 4.4
	AIR 27 d	0	100.0 ± 4.1	100.0 ± 5.2	100.0 ± 8.5
	FSD 8 27 d	30 mg/m^3	94.3 ± 4.0	85.7 ± 5.4	108.3 ± 8.6
HIP	AIR 1 d	0	100.0 ± 6.8	100.0 ± 9.3	100.0 ± 8.3
	FSD 8 1 d	10 mg/m^3	107.5 ± 10.0	98.5 ± 7.4^{d}	100.9 ± 12.5
	AIR 7 d	0	100.0 ± 5.7	100.0 ± 5.9	100.0 ± 7.8
	FSD 8 7 d	10 mg/m^3	121.4 ± 8.3	**137.2 ± 12.4$^{\#}$**	114.3 ± 3.7
	AIR 27 d	0	100.0 ± 8.3	100.0 ± 4.3	100.0 ± 3.1
	FSD 8 27 d	10 mg/m^3	84.6 ± 5.5	72.4 ± 6.4	84.6 ± 4.2
	AIR 1 d	0	100.0 ± 3.9	100.0 ± 14.2	100.0 ± 4.4
	FSD 8 1 d	30 mg/m^3	102.7 ± 3.7	83.5 ± 7.4	92.8 ± 3.5
	AIR 7 d	0	100.0 ± 5.1	100.0 ± 11.4	100.0 ± 4.6
	FSD 8 7 d	30 mg/m^3	86.9 ± 3.4	83.8 ± 6.3	80.2 ± 8.4
	AIR 27 d	0	100.0 ± 16.3	100.0 ± 8.3	100.0 ± 6.0
	FSD 8 27 d	30 mg/m^3	95.2 ± 5.1	78.9 ± 4.0^{c}	93.7 ± 4.2

Values were calculated as ng/mg protein and are expressed as percent of corresponding air-exposed control. Data are mean SE (n = 8/group with the following exceptions: ^{c}n = 7 due to one undetected

sample in assay group; [d]*n* = 6 due to two undetected samples in assay group). *Significant decrease from corresponding air-exposed control ($P < 0.05$). [#]Significant increase from corresponding air-exposed control ($P < 0.05$).

Table 2. Metabolites of dopamine and serotonin in striatum and cerebellum

Brain Region	Group	Dose	DOPAC	HVA	5-HIAA
STR	AIR 1 d	0	100.0 ± 9.3	100.0 ± 6.2	100.0 ± 8.8
	FSD 8 1 d	10 mg/m^3	93.9 ± 6.2	97.6 ± 3.6	102.8 ± 5.0
	AIR 7 d	0	100.0 ± 4.8	100.0 ± 3.6	100.0 ± 8.0
	FSD 8 7 d	10 mg/m^3	121.1 ± 5.0	118.1 ± 5.9	97.6 ± 4.5
	AIR 27 d	0	100.0 ± 6.1	100.0 ± 7.5	100.0 ± 3.6
	FSD 8 27 d	10 mg/m^3	**78.4 ± 4.6***	82.2 ± 6.5	82.3 ± 4.3
	AIR 1 d	0	100.0 ± 3.0	100.0 ± 4.8	100.0 ± 4.3
	FSD 8 1 d	30 mg/m^3	109.6 ± 6.4	104.9 ± 6.1	94.9 ± 6.5
	AIR 7 d	0	100.0 ± 5.9	100.0 ± 4.7	100.0 ± 4.5
	FSD 8 7 d	30 mg/m^3	92.4 ± 3.1	92.1 ± 3.9	97.6 ± 4.9
	AIR 27 d	0	100.0 ± 2.3	100.0 ± 3.6	100.0 ± 6.9
	FSD 8 27 d	30 mg/m^3	97.2 ± 5.1	89.1 ± 6.2	101.8 ± 6.8
CER	AIR 1 d	0	100.0 ± 4.0	100.0 ± 5.4	100.0 ± 5.6
	FSD 8 1 d	10 mg/m^3	109.5 ± 4.8	100.2 ± 5.7	111.8 ± 4.7
	AIR 7 d	0	100.0 ± 4.4	100.0 ± 5.7	100.0 ± 3.4
	FSD 8 7 d	10 mg/m^3	104.9 ± 2.6	103.6 ± 3.2	106.5 ± 3.2
	AIR 27 d	0	100.0 ± 8.3	100.0 ± 9.7	100.0 ± 9.0
	FSD 8 27 d	10 mg/m^3	97.0 ± 5.0	109.2 ± 7.5	96.9 ± 4.7
	AIR 1 d	0	100.0 ± 6.5	100.0 ± 6.5	100.0 ± 4.8
	FSD 8 1 d	30 mg/m^3	102.3 ± 5.0	88.9 ± 3.6	97.8 ± 4.5
	AIR 7 d	0	100.0 ± 3.8	100.0 ± 4.4	100.0 ± 3.0
	FSD 8 7 d	30 mg/m^3	88.4 ± 5.2[a]	92.8 ± 3.9	107.4 ± 4.6
	AIR 27 d	0	100.0 ± 9.3	100.0 ± 6.2	100.0 ± 4.8
	FSD 8 27 d	30 mg/m^3	102.4 ± 4.3	92.1 ± 12.6	94.9 ± 6.3

Values were calculated as ng/mg protein and are expressed as percent of corresponding air-exposed control. Data are mean ± SE (n = 8/group with the following exception: [a]*n* = 7 due to one outlier sample in assay group). *Significant decrease from corresponding air-exposed control ($P < 0.05$).

Table 3: Dopamine and serotonin metabolite ratios in the olfactory bulb and hippocampus

Brain Region	Group	Dose	DOPAC/DA	HVA/DA	(DOPAC+HVA)/DA	5-HIAA/5-HT
OB	AIR 1 d	0	100 ± 3.9	100 ± 4.2	100 ± 4.0	100 ± 12.6
	FSD 8 1 d	10 mg/m^3	103.1 ± 3.9	99.7 ± 3.9	100.3 ± 3.9	102.1 ± 3.9
	AIR 7 d	0	100 ± 5.4	100 ± 4.9	100 ± 4.7	100 ± 5.3
	FSD 8 7 d	10 mg/m^3	96.6 ± 3.1	96.2 ± 3.1	96.2 ± 2.8	80.8 ± 5.8
	AIR 27 d	0	100 ± 5.7	100 ± 7.1	100 ± 4.8	100 ± 8.6
	FSD 8 27 d	10 mg/m^3	**84.0 ± 4.5***	91.0 ± 7.9	88.0 ± 6.0	**138.3 ± 7.7$^{\#}$**
	AIR 1 d	0	100 ± 6.2	100 ± 3.8	100 ± 4.2	100 ± 12.4
	FSD 8 1 d	30 mg/m^3	105.6 ± 7.9	93.4 ± 4.8	98.2 ± 6.0	88.3 ± 11.0
	AIR 7 d	0	100 ± 6.4	100 ± 3.7	100 ± 3.6	100 ± 3.6
	FSD 8 7 d	30 mg/m^3	98.7 ± 3.6	102.1 ± 5.0	100.8 ± 3.2	92.2 ± 4.1
	AIR 27 d	0	100 ± 4.0	100 ± 4.5	100 ± 3.7	100 ± 7.3
	FSD 8 27 d	30 mg/m^3	91.9 ± 4.2	83.2 ± 4.6	87.0 ± 4.0	102.7 ± 9.4
HIP	AIR 1 d	0	100 ± 14.3	100 ± 12.6	100 ± 13.7	100 ± 3.5
	FSD 8 1 d	10 mg/m^3	88.1 ± 7.9	83.9 ± 10.2^{d}	81.9 ± 8.8	85.0 ± 6.5
	AIR 7 d	0	100 ± 17.3	100 ± 13.9	100 ± 15.0	100 ± 2.9
	FSD 8 7 d	10 mg/m^3	83.9 ± 14.6^{c}	91.3 ± 12.1 $^{(c)}$	87.6 ± 12.8^{c}	97.9 ± 2.0^{c}
	AIR 27 d	0	100 ± 8.7	100 ± 6.2	100 ± 6.7	100 ± 4.5
	FSD 8 27 d	10 mg/m^3	127.3 ± 27.2	104.1 ± 16.6	119.3 ± 23.3	93.1 ± 5.4
	AIR 1 d	0	100 ± 8.6	100 ± 9.3	100 ± 7.2	100 ± 3.0
	FSD 8 1 d	30 mg/m^3	114.1 ± 13.0	94.4 ± 7.6	111.9 ± 12.3	97.7 ± 2.3
	AIR 7 d	0	100 ± 9.0	100 ± 9.3	100 ± 8.4	100 ± 4.0
	FSD 8 7 d	30 mg/m^3	100.1 ± 13.8	99.2 ± 13.7	100 ± 13.6	83.5 ± 7.7
	AIR 27 d	0	100 ± 23.3	100 ± 12.5	100 ± 19.0	100 ± 9.3
	FSD 8 27 d	30 mg/m^3	108.9 ± 12.5	87.9 ± 10.0^{c}	101.6 ± 12^{c}	108.1 ± 5.0

Values were calculated as ng/mg protein. The ratios DOPAC/DA, HVA/DA, (DOPAC+HVA)/DA, and 5-HIAA/5-HT were determined and are expressed as percent of corresponding air-exposed control. Data are mean±SE (n = 8/group with the following exceptions: [c]n = 7 due to one undetected sample in assay group; [d]n = 6 due to two undetected samples in assay group). *Significant decrease from corresponding air-exposed control ($P < 0.05$). [#]Significant increase from corresponding air-exposed control ($P < 0.05$).

Table 3: Dopamine and serotonin metabolite ratios in the olfactory bulb and hippocampus

Brain Region	Group	Dose	DOPAC/DA	HVA/DA	(DOPAC+HVA)/DA	5-HIAA/5-HT
OB	AIR 1 d	0	100 ± 3.9	100 ± 4.2	100 ± 4.0	100 ± 12.6
	FSD 1 d	10 mg/m^3	103.1 ± 3.9	99.7 ± 3.9	100.3 ± 3.9	102.1 ± 3.9
	AIR 7 d	0	100 ± 5.4	100 ± 4.9	100 ± 4.7	100 ± 5.3
	FSD 7 d	10 mg/m^3	96.6 ± 3.1	96.2 ± 3.1	96.2 ± 2.8	80.8 ± 5.8
	AIR 27 d	0	100 ± 5.7	100 ± 7.1	100 ± 4.8	100 ± 8.6
	FSD 27 d	10 mg/m^3	**84.0 ± 4.5** *	91.0 ± 7.9	88.0 ± 6.0	**138.3 ± 7.7** #
	AIR 1 d	0	100 ± 6.2	100 ± 3.8	100 ± 4.2	100 ± 12.4
	FSD 1 d	30 mg/m^3	105.6 ± 7.9	93.4 ± 4.8	98.2 ± 6.0	88.3 ± 11.0
	AIR 7 d	0	100 ± 6.4	100 ± 3.7	100 ± 3.6	100 ± 3.6
	FSD 7 d	30 mg/m^3	98.7 ± 3.6	102.1 ± 5.0	100.8 ± 3.2	92.2 ± 4.1
	AIR 27 d	0	100 ± 4.0	100 ± 4.5	100 ± 3.7	100 ± 7.3
	FSD 27 d	30 mg/m^3	91.9 ± 4.2	83.2 ± 4.6	87.0 ± 4.0	102.7 ± 9.4
HIP	AIR 1 d	0	100 ± 14.3	100 ± 12.6	100 ± 13.7	100 ± 3.5
	FSD 1 d	10 mg/m^3	88.1 ± 7.9	83.9 ± 10.2 (d)	81.9 ± 8.8	85.0 ± 6.5
	AIR 7 d	0	100 ± 17.3	100 ± 13.9	100 ± 15.0	100 ± 2.9
	FSD 7 d	10 mg/m^3	83.9 ± 14.6 (c)	91.3 ± 12.1 (c)	87.6 ± 12.8 (c)	97.9 ± 2.0 (c)
	AIR 27 d	0	100 ± 8.7	100 ± 6.2	100 ± 6.7	100 ± 4.5
	FSD 27 d	10 mg/m^3	127.3 ± 27.2	104.1 ± 16.6	119.3 ± 23.3	93.1 ± 5.4
	AIR 1 d	0	100 ± 8.6	100 ± 9.3	100 ± 7.2	100 ± 3.0
	FSD 1 d	30 mg/m^3	114.1 ± 13.0	94.4 ± 7.6	111.9 ± 12.3	97.7 ± 2.3
	AIR 7 d	0	100 ± 9.0	100 ± 9.3	100 ± 8.4	100 ± 4.0
	FSD 7 d	30 mg/m^3	100.1 ± 13.8	99.2 ± 13.7	100 ± 13.6	83.5 ± 7.7
	AIR 27 d	0	100 ± 23.3	100 ± 12.5	100 ± 19.0	100 ± 9.3

FSD 27 d	30 mg/m^3	108.9 ± 12.5	87.9 ± 10.0 [(c)]	101.6 ± 12.1 [(c)]	108.1 ± 5.0

DA, DOPAC, HVA, 5-HT and 5-HIAA were measured by HPLC-EC. Values were calculated as ng/mg protein. The ratios DOPAC/DA, HVA/DA, (DOPAC+HVA)/DA, and 5-HIAA/5-HT were determined and are expressed as percent of corresponding air-exposed control. Data are mean ± SE (n = 8/group with the following exceptions: [(c)] n = 7 due to one undetected sample in assay group; [(d)] n = 6 due to two undetected samples in assay group). * significant decrease from corresponding air-exposed control ($P < 0.05$). [#] significant increase from corresponding air-exposed control ($P < 0.05$).

Table 4. Dopamine and serotonin metabolite ratios in the striatum and cerebellum

Brain Region	Group	Dose	DOPAC/DA	HVA/DA	(DOPAC+HVA)/DA	5-HIAA/5-HT
STR	AIR 1 d	0	100 ± 5.4	100 ± 4.3	100 ± 4.4	100 ± 3.0
	FSD 8 1 d	10 mg/m^3	91.0 ± 2.9	94.1 ± 2.7	92.6 ± 2.1	87.2 ± 3.4
	AIR 7 d	0	100 ± 4.8	100 ± 3.3	100 ± 3.8	100 ± 8.2
	FSD 8 7 d	10 mg/m^3	99.2 ± 3.2	96.9 ± 4.5	97.9 ± 3.5	83.7 ± 3.0
	AIR 27 d	0	100 ± 4.8	100 ± 5.4	100 ± 4.7	100 ± 3.7
	FSD 8 27 d	10 mg/m^3	91.5 ± 4.4	96.3 ± 7.0	93.6 ± 5.0	96.0 ± 3.9
	AIR 1 d	0	100 ± 2.3	100 ± 3.2	100 ± 2.3	100 ± 3.4
	FSD 8 1 d	30 mg/m^3	101.5 ± 1.6	97.4 ± 1.2	99.9 ± 1.0	99.9 ± 2.7
	AIR 7 d	0	100 ± 2.7	100 ± 4.6	100 ± 3.0	100 ± 3.7
	FSD 8 7 d	30 mg/m^3	90.3 ± 1.3	89.0 ± 2.0	89.7 ± 1.3	92.7 ± 3.3
	AIR 27 d	0	100 ± 3.8	100 ± 5.0	100 ± 4.1	100 ± 3.5
	FSD 8 27 d	30 mg/m^3	98.6 ± 5.1	89.9 ± 5.2	95.1 ± 4.8	96.4 ± 5.7
CER	AIR 1 d	0	100 ± 4.1	100 ± 3.9	100 ± 3.5	100 ± 3.4
	FSD 8 1 d	10 mg/m^3	95.0 ± 7.8	87.9 ± 8.2	91.5 ± 7.6	90.0 ± 7.8
	AIR 7 d	0	100 ± 5.2	100 ± 6.2	100 ± 5.0	100 ± 4.0
	FSD 8 7 d	10 mg/m^3	108.4 ± 6.2	106.3 ± 4.1	107.3 ± 4.7	108.6 ± 6.2
	AIR 27 d	0	100 ± 12.3	100 ± 13.3	100 ± 10.3	100 ± 9.6
	FSD 8 27 d	10 mg/m^3	100.4 ± 6.5	112.7 ± 10.5	105.2 ± 6.5	99.4 ± 5.5
	AIR 1 d	0	100 ± 5.0	100 ± 3.7	100 ± 4.3	100 ± 4.3
	FSD 8 1 d	30 mg/m^3	100.8 ± 8.7	87.0 ± 4.8	98.6 ± 7.9	90.2 ± 7.8
	AIR 7 d	0	100 ± 6.6 [(a)]	100 ± 4.8[a]	100 ± 5.7[a]	100 ± 5.8
	FSD 8 7 d	30 mg/m^3	89.5 ± 6.9	94.5 ± 5.4	90.3 ± 6.2	94.1 ± 5.6
	AIR 27 d	0	100 ± 11.3	100 ± 7.4	100 ± 10.5	100 ± 6.2
	FSD 8 27 d	30 mg/m^3	99.5 ± 4.4	88.9 ± 9.9	98.5 ± 4.5	88.3 ± 6.8

Values were calculated as ng/mg protein. The ratios DOPAC/DA, HVA/DA, (DOPAC+HVA)/DA, and 5-HIAA/5-HT were determined and are expressed as percent of corresponding air-exposed control. Data are mean±SE (n = 8/group with the following exception: [a]n = 7 due to one outlier sample in assay group).