Table S1: proteomic significantly different proteins (DPs)
Related to Figure. 4, Figure. 5.

Hippocampal targeted protein profiles of adolescent offspring mice					
Gene symbol	**Log_2(Fold change)**	**P value**	**Gene symbol**	**Log_2(Fold change)**	**P value**
	Control/model	**Control/model**		**CLA/model**	**CLA/model**
Mib1	-6.64	1E-17	Mib1	-6.64	1E-17
Coch	-6.64	1E-17	Coch	-6.64	1E-17
Rgs7bp	-6.64	1E-17	Rgs7bp	-6.64	1E-17
Nid2	-6.64	1E-17	Nid2	-6.64	1E-17
Ipo4	-6.64	1E-17	Ipo4	-6.64	1E-17
S100a1	-6.64	1E-17	S100a1	-6.64	1E-17
Znrd2	-6.64	1E-17	Znrd2	-6.64	1E-17
Hbbt1	-6.64	1E-17	Hbbt1	-6.64	1E-17
Mmut	-6.64	1E-17	Mmut	-6.64	1E-17
Ppp6r1	-6.64	1E-17	Ppp6r1	-6.64	1E-17
Rtn4ip1	-6.64	1E-17	Cuta	-6.64	1E-17
Apoa2	-6.64	1E-17	Krt8	-6.64	1E-17
Nit2	-6.64	1E-17	Dbt	-6.64	1E-17
Rpl35a	-6.64	1E-17	Tsn	-6.64	1E-17
Amfr	-6.64	1E-17	Acp1	-6.64	1E-17
Tsg101	-6.64	1E-17	Cacng2	-6.64	1E-17
Nedd4l	-6.64	1E-17	Hycc2	-6.64	1E-17
Camsap3	-6.64	1E-17	Xrn2	-6.64	1E-17
ATP6	-6.64	1E-17	Acox1	-6.64	1E-17
Pi4ka	-6.64	1E-17	Sema7a	-6.64	1E-17
Nudcd2	-6.64	1E-17	Lamc1	-6.64	1E-17
Ttyh3	-6.64	1E-17	Scrg1	-6.64	1E-17
Gclc	-6.64	1E-17	Map2k6	-6.64	1E-17
Eif5a2	-6.64	1E-17	Opalin	-6.64	1E-17
Tnpo1	-6.64	1E-17	Dip2c	-6.64	1E-17
Lrrc8a	-6.64	1E-17	Gprin3	-6.64	1E-17
Atg7	-6.64	1E-17	Dctn5	-6.64	1E-17
Asph	-6.64	1E-17	Tmem256	-6.64	1E-17
Nt5m	-6.64	1E-17	Tmem126a	-6.64	1E-17
Ccar2	-6.64	1E-17	Gm6498	-6.64	1E-17
Drg1	-6.64	1E-17	Ube2g1	-6.64	1E-17
Exoc6b	-6.64	1E-17	Mturn	-6.64	1E-17
Rap2c	-6.64	1E-17	Myl9	-6.64	1E-17
Dynlt3	-6.64	1E-17	Ap3s1	-6.64	1E-17
Smpd1	-6.64	1E-17	Paip1	-6.64	1E-17
Cuta	-1.55	1E-17	Dbr1	-6.64	1E-17

Vps8	-1.53	1.76572E-09	Cbx5	-6.64	1E-17
Vps53	-1.47	1E-17	Col1a1	-6.64	1E-17
Isoc2a	-1	3.30225E-11	Trappc4	-6.64	1E-17
Dnm1	-0.94	1.3666E-11	Trim9	-6.64	1E-17
Rab15	-0.86	4.36036E-05	Extl2	-2.66	1E-17
Tagln	-0.85	2.33042E-07	Selenow	-1.53	1.59837E-10
Mlycd	-0.85	0.001340704	Rtn4ip1	-1.23	1E-17
Cul1	-0.84	0.001708467	Rpl36a	-1.18	9.1414E-11
Atp5mk	-0.83	1E-17	Irf2bp2	-1.15	6.43378E-06
Krt8	-0.81	0.000110362	Cmpk2	-1.12	4.59813E-08
Dbt	-0.78	0.000843018	Rab15	-1.06	3.32401E-12
Slc17a6	-0.77	0.002971214	Cfap36	-1.06	3.14941E-05
Rab8a	-0.76	6.62092E-05	Apoa2	-0.96	2.83153E-06
Ppp1r21	-0.76	0.003658315	Tagln	-0.91	1.64575E-09
Nos1	-0.76	0.002788658	Aspscr1	-0.9	0.000421415
Rapgef4	-0.76	0.003935509	Lamb2	-0.87	0.000224781
Fmnl2	-0.75	0.007276984	Pip5k1a	-0.83	0.000860769
H2ax	-0.75	3.47923E-10	Plpp1	-0.8	0.00198473
Cryzl2	-0.73	0.005595753	Flna	-0.77	0.000580592
Sec62	-0.73	0.005362174	Dnaja4	-0.74	0.000337054
Rnasek	-0.73	0.000786317	Armc6	-0.72	0.005162171
Sap18b	-0.72	0.008000544	Actn2	-0.71	0.000427498
Copb1	-0.72	2.40635E-05	Cd99l2	-0.68	0.005069849
Vmp1	-0.72	0.009561076	Galk1	-0.67	0.003170876
Ntrk2	-0.68	0.002918737	Sorbs2	-0.67	0.000978369
Tanc1	-0.68	0.017510288	Mt1	-0.63	0.013171491
Nae1	-0.67	0.007776495	Sec13	-0.61	5.34178E-05
Dnajc11	-0.65	0.006736164	Chchd4	-0.61	4.11303E-06
Bmp1	-0.64	0.020596478	Tmx3	-0.6	0.004494626
Nrp1	-0.63	0.015994346	Cul1	0.59	0.005469494
Hapln4	-0.63	0.028352701	Aig1	0.59	3.09404E-08
Tmem41b	-0.62	0.031069884	Serpinb9	0.6	0.000951132
Tbx19	-0.61	4.65687E-06	Arpin	0.62	3.64969E-05
Lhfpl4	-0.61	0.030792168	Cntnap2	0.63	2.60616E-05
Wasf2	-0.61	1.04103E-05	Ptpn23	0.64	1.75272E-07
Adss1	0.59	0.021805658	Scoc	0.64	0.000829614
Vezt	0.59	0.004345388	Ggact	0.65	0.000957234
Mt3	0.6	1.88402E-05	Gria4	0.66	8.46979E-09
Tmod1	0.6	0.005297275	Idi1	0.66	0.00255688
Cbx5	0.61	0.001612216	S100b	0.67	0.000101846
Ppp1r1b	0.61	1.92948E-05	Krt76	0.69	2.88658E-14
Or51ab3	0.61	2.88213E-07	Cd82	0.69	7.13415E-07
Rap1gds1	0.62	0.004521182	Lypla1	0.71	1.05997E-07

Gm49486	0.64	0.012382943	Pramel7	0.73	1.38196E-06
Ggact	0.64	0.009251437	Smpd1	0.74	0.001699861
Aprt	0.65	0.006830221	Eif3d	0.74	0.000140735
Idi1	0.66	0.009844608	Acsl3	0.76	0.000937612
Tekt3	0.67	0.00911229	Eif2s1	0.78	7.22696E-09
ND4	0.68	0.000388315	Rap1gds1	0.84	3.23766E-08
Ptpn23	0.68	1.38789E-05	Cyp51a1	0.88	0.000138703
Acsl3	0.69	0.005924524	Mtap	0.92	1.92634E-07
Pak3	0.71	0.004868243	Lamtor4	0.93	6.67362E-08
Pfdn4	0.74	3.5153E-06	Fdps	1	4.13447E-13
Sort1	0.74	3.91015E-06	Immt	1	2.22045E-16
Rnps1	0.76	0.002148816	Exoc4	1.04	9.02213E-08
Col1a1	0.79	0.000406172	Ergic1	1.12	1.9984E-14
Cd82	0.82	2.11581E-06	Gtpbp1	1.21	1E-17
Trappc4	0.83	0.001495966	Pdcd10	1.27	1E-17
Lamtor4	0.85	0.000497253	Ahnak	1.42	1E-17
Scoc	0.92	9.25154E-05	Krt75	1.43	1E-17
Cd151	0.94	0.000236172	Vmp1	1.59	1.53877E-13
Pramel7	1.02	5.44647E-08	Tekt3	2.25	1E-17
Atg9a	1.04	3.94288E-08	Pak3	2.49	1E-17
Mrtfb	1.08	9.31086E-06	Eif3l	6.64	1E-17
Lsm6	1.13	1.61496E-05	Tom1	6.64	1E-17
Cat	1.58	1.12843E-12	Erc1	6.64	1E-17
Trim9	2.65	1E-17	Get4	6.64	1E-17
Tktl2	4.18	1E-17	Serpinb1a	6.64	1E-17
Eif3l	6.64	1E-17	Rundc3a	6.64	1E-17
Tom1	6.64	1E-17	Ngef	6.64	1E-17
Erc1	6.64	1E-17	Rab11fip2	6.64	1E-17
Get4	6.64	1E-17	Arfgap2	6.64	1E-17
Serpinb1a	6.64	1E-17	Ncln	6.64	1E-17
Rundc3a	6.64	1E-17	Psmg1	6.64	1E-17
Ngef	6.64	1E-17	Cars1	6.64	1E-17
Rab11fip2	6.64	1E-17	Acads	6.64	1E-17
Arfgap2	6.64	1E-17	Chga	6.64	1E-17
Ncln	6.64	1E-17	Ube2r2	6.64	1E-17
Psmg1	6.64	1E-17	Tsc2	6.64	1E-17
Cars1	6.64	1E-17	Pten	6.64	1E-17
Acads	6.64	1E-17	Epn2	6.64	1E-17
Chga	6.64	1E-17	Eif3m	6.64	1E-17
Ube2r2	6.64	1E-17	Scyl2	6.64	1E-17
Tsc2	6.64	1E-17	Nell2	6.64	1E-17
Pten	6.64	1E-17	Arl2	6.64	1E-17
Epn2	6.64	1E-17	Serpina1e	6.64	1E-17

Eif3m	6.64	1E-17	Cpt1c	6.64	1E-17
Cnn1	6.64	1E-17	Syt17	6.64	1E-17
Folr1	6.64	1E-17	Slc4a1	6.64	1E-17
Klk1	6.64	1E-17			
Hnrnpul1	6.64	1E-17			
Omp	6.64	1E-17			
Eif3f	6.64	1E-17			
Gnal	6.64	1E-17			
Poc5	6.64	1E-17			
Sec61g	6.64	1E-17			
Cnnm1	6.64	1E-17			

Table S2: The gene symbols of the different DPs between the CLA group and the control group
Related to Figure. S1.

Hippocampal targeted protein profiles of adolescent offspring mice		
Gene symbol	**Log_2(Fold change)**	**P value**
	Control/model	**Control/model**
Tsn	-6.64	1E-17
Acp1	-6.64	1E-17
Cacng2	-6.64	1E-17
Hycc2	-6.64	1E-17
Xrn2	-6.64	1E-17
Acox1	-6.64	1E-17
Sema7a	-6.64	1E-17
Lamc1	-6.64	1E-17
Scrg1	-6.64	1E-17
Map2k6	-6.64	1E-17
Opalin	-6.64	1E-17
Dip2c	-6.64	1E-17
Gprin3	-6.64	1E-17
Dctn5	-6.64	1E-17
Tmem256	-6.64	1E-17
Tmem126a	-6.64	1E-17
Gm6498	-6.64	1E-17
Ube2g1	-6.64	1E-17
Mturn	-6.64	1E-17
Myl9	-6.64	1E-17
Ap3s1	-6.64	1E-17
Paip1	-6.64	1E-17
Dbr1	-6.64	1E-17
Extl2	-2.66	1E-17

Selenow	-1.53	1.59837E-10
Rpl36a	-1.18	9.1414E-11
Irf2bp2	-1.15	6.43378E-06
Cmpk2	-1.12	4.59813E-08
Cfap36	-1.06	3.14941E-05
Aspscr1	-0.9	0.000421415
Lamb2	-0.87	0.000224781
Pip5k1a	-0.83	0.000860769
Plpp1	-0.8	0.00198473
Flna	-0.77	0.000580592
Dnaja4	-0.74	0.000337054
Armc6	-0.72	0.005162171
Actn2	-0.71	0.000427498
Cd99l2	-0.68	0.005069849
Galk1	-0.67	0.003170876
Sorbs2	-0.67	0.000978369
Mt1	-0.63	0.013171491
Sec13	-0.61	5.34178E-05
Chchd4	-0.61	4.11303E-06
Tmx3	-0.6	0.004494626
Aig1	0.59	3.09404E-08
Serpinb9	0.6	0.000951132
Arpin	0.62	3.64969E-05
Cntnap2	0.63	2.60616E-05
Gria4	0.66	8.46979E-09
S100b	0.67	0.000101846
Krt76	0.69	2.88658E-14
Lypla1	0.71	1.05997E-07
Eif3d	0.74	0.000140735
Eif2s1	0.78	7.22696E-09
Cyp51a1	0.88	0.000138703
Mtap	0.92	1.92634E-07
Fdps	1	4.13447E-13
Immt	1	2.22045E-16
Exoc4	1.04	9.02213E-08
Ergic1	1.12	1.9984E-14
Gtpbp1	1.21	1E-17
Pdcd10	1.27	1E-17
Ahnak	1.42	1E-17
Krt75	1.43	1E-17
Scyl2	6.64	1E-17
Nell2	6.64	1E-17
Arl2	6.64	1E-17

Serpina1e	6.64	1E-17
Cpt1c	6.64	1E-17
Syt17	6.64	1E-17
Slc4a1	6.64	1E-17

Supplementary Figure 1

(A)

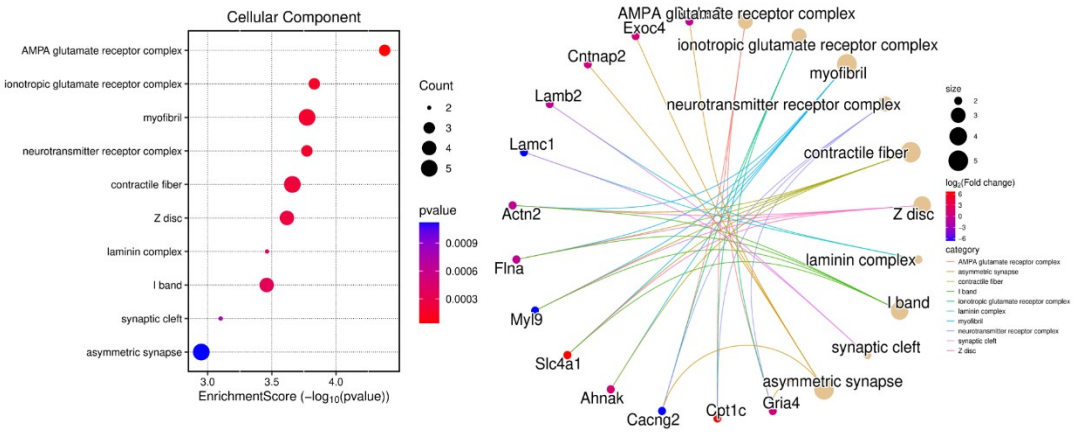

Figure S1: Analysis of the different DPs between the CLA vs model and the control vs model. A. GO-CC analysis of the different DPs. GO-CC analysis of the same differentially expressed genes associated with these terms through (B) a cnetplot.