

Brain activation induced by chronic psychosocial stress in mice

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Supplementary Table S1. Symmetrical correlation matrix for the number of ΔfosB-positive cells in each examined brain region, displayed on alternating rows for control and defeated animals. Values indicate Pearson's *r*, and in brackets and italicized the corresponding nominal *p*-value. Significant coefficients are indicated by asterisks.

Condition	Region	MO	IL	PrL	BNST	AcbC	AcbSh	CPu	LSV	VL	LH	BLA	BMA	CeA	vHP	DG	PAG	VTA	Pir
Control	MO	1,000																	
Defeated		1,000																	
Control	IL	0.312 (0.496)	1,000																
Defeated		0.821 (0.024)*	1,000																
Control	PrL	0.565 (0.186)	0.731 (0.062)	1,000															
Defeated		0.956 (0.001)**	0.939 (0.001)**	1,000															
Control	BNST	-0.357 (0.487)	-0.328 (0.526)	0.023 (0.966)	1,000														
Defeated		0.703 (0.119)	0.675 (0.096)	0.786 (0.036)*	1,000														
Control	AcbC	0.460 (0.299)	0.583 (0.169)	0.851 (0.015)*	0.265 (0.612)	1,000													
Defeated		0.633 (0.127)	0.857 (0.007)**	0.718 (0.045)*	0.261 (0.572)	1,000													
Control	AcbSh	0.409 (0.421)	0.748 (0.087)	0.551 (0.257)	-0.690 (0.198)	0.654 (0.159)	1,000												
Defeated		0.589 (0.164)	0.581 (0.131)	0.590 (0.124)	0.225 (0.628)	0.740 (0.036)*	1,000												
Control	CPu	0.474 (0.283)	-0.358 (0.430)	0.090 (0.848)	0.470 (0.347)	0.230 (0.620)	-0.323 (0.532)	1,000											
Defeated		0.712 (0.073)	0.720 (0.044)*	0.734 (0.038)*	0.870 (0.011)*	0.409 (0.315)	0.089 (0.834)	1,000											
Control	LSV	0.038 (0.935)	0.194 (0.676)	-0.198 (0.671)	-0.333 (0.519)	-0.510 (0.242)	-0.291 (0.576)	-0.061 (0.896)	1,000										
Defeated		0.433 (0.332)	0.662 (0.073)	0.522 (0.185)	0.171 (0.714)	0.804 (0.016)*	0.373 (0.363)	0.341 (0.409)	1,000										
Control	VL	0 (n/a) 0.893	0 (n/a) 0.865	0 (n/a) 0.853	0 (n/a) 0.870	0 (n/a) 0.711	0 (n/a) 0.657	0 (n/a) 0.877	0 (n/a) 0.425	0 (n/a) 0.425									
Defeated		0.017)* (0.017)*	0.012)* (0.012)*	0.015)* (0.015)*	0.024)* (0.024)*	0.073) (0.073)	0.109) (0.109)	0.010)* (0.010)*	0.342) (0.342)	1,000									
Control	LH	0.458 (0.361)	0.196 (0.710)	-0.079 (0.881)	-0.865 (0.058)	-0.079 (0.882)	0.674 (0.212)	-0.283 (0.587)	-0.137 (0.795)	0 (n/a) (0.935)	1,000								
Defeated		0.762 (0.078)	0.575 (0.177)	0.772 (0.042)*	0.742 (0.092)	0.274 (0.552)	0.770 (0.043)*	0.488 (0.267)	0.154 (0.741)	0.631 (0.179)	1,000								
Control	BLA	0.735 (0.096)	0.310 (0.550)	0.673 (0.143)	0.075 (0.905)	0.843 (0.035)*	0.621 (0.264)	0.684 (0.134)	-0.451 (0.369)	0.213 (0.685)	1,000								
Defeated		0.789 (0.062)	0.486 (0.269)	0.718 (0.069)	0.647 (0.165)	0.225 (0.628)	0.697 (0.082)	0.467 (0.290)	0.187 (0.688)	0.539 (0.270)	0.970 (0.001)**	1,000							
Control	BMA	0.749 (0.086)	-0.453 (0.366)	0.082 (0.877)	-0.168 (0.787)	0.263 (0.614)	0.124 (0.843)	0.493 (0.320)	-0.330 (0.523)	0.518 (0.292)	1,000								
Defeated		0.692 (0.128)	0.444 (0.319)	0.576 (0.176)	0.302 (0.561)	0.425 (0.342)	0.053 (0.910)	0.502 (0.251)	0.642 (0.120)	0.276 (0.597)	0.715 (0.576)	0.834 (0.176)	1,000						
Control	CeA	0.596 (0.212)	-0.419 (0.408)	0.261 (0.618)	0.440 (0.458)	0.265 (0.612)	-0.468 (0.426)	0.925 (0.008)*	0.127 (0.810)	0.450 (0.503)	0.522 (0.370)	1,000							
Defeated		0.594 (0.214)	0.752 (0.051)	0.684 (0.090)	0.424 (0.402)	0.824 (0.023)*	0.025 (0.957)	0.644 (0.119)	0.856 (0.014)*	0.468 (0.350)	0.834 (0.497)	0.522 (0.256)	1,000						
Control	vHP	0.293 (0.524)	0.077 (0.870)	0.575 (0.177)	0.412 (0.417)	0.545 (0.205)	0.139 (0.793)	-0.305 (0.156)	0.729 (0.505)	-0.361 (0.482)	0.422 (0.100)	1,000							
Defeated		0.804 (0.029)*	0.789 (0.029)*	0.837 (0.020)*	0.575 (0.010)*	0.500 (0.177)	0.164 (0.207)	0.662 (0.098)	0.522 (0.074)	0.715 (0.229)	0.853 (0.606)	1,000							
Control	DG	0.353 (0.492)	0.844 (0.035)*	0.731 (0.099)	-0.037 (0.953)	0.641 (0.170)	0.666 (0.219)	0.301 (0.562)	-0.112 (0.832)	0.700 (0.990)	0.831 (0.121)	1,000							
Defeated		0.903 (0.036)*	0.821 (0.045)*	0.888 (0.018)*	0.965 (0.008)**	0.716 (0.110)	0.405 (0.425)	0.888 (0.018)*	0.781 (0.067)	0.926 (0.001)**	0.750 (0.762)	1,000							
Control	PAG	-0.148 (0.752)	-0.504 (0.249)	0.125 (0.790)	0.701 (0.121)	0.200 (0.667)	-0.337 (0.514)	-0.694 (0.463)	-0.417 (0.083)	0.096 (0.410)	0.254 (0.530)	1,000							
Defeated		0.785 (0.036)*	0.954 (0.001)**	0.876 (0.004)**	0.748 (0.053)	0.838 (0.009)**	0.592 (0.122)	0.796 (0.018)	0.627 (0.096)	0.954 (0.001)**	0.855 (0.547)	1,000							
Control	VTA	0.633 (0.178)	-0.229 (0.662)	0.032 (0.952)	-0.471 (0.424)	0.219 (0.677)	0.489 (0.404)	0.135 (0.799)	-0.441 (0.382)	0.900 (0.803)	0.158 (0.054)	1,000							
Defeated		0.878 (0.050)	0.371 (0.469)	0.622 (0.187)	0.500 (0.391)	0.209 (0.692)	0.451 (0.370)	0.578 (0.229)	0.594 (0.771)	0.903 (0.291)	0.414 (0.121)	1,000							
Control	Pir	0.649 (0.115)	0.523 (0.228)	0.891 (0.007)**	0.191 (0.718)	0.843 (0.017)*	0.320 (0.537)	0.263 (0.569)	-0.260 (0.574)	0.678 (0.803)	0.286 (0.139)	1,000							
Defeated		0.839 (0.018)*	0.547 (0.161)	0.727 (0.041)*	0.470 (0.287)	0.503 (0.203)	0.832 (0.010)*	0.334 (0.419)	0.183 (0.664)	0.662 (0.106)	0.900 (0.848)	1,000							

MO: medial orbital cortex; IL: infralimbic cortex; PrL: prelimbic cortex; BNST: bed nucleus of stria terminalis (anterodorsal); AcbC: nucleus accumbens core; AcbSh: nucleus accumbens shell; CPu: caudoputamen; LSV: lateral septum (ventral); VL: thalamus (ventrolateral); LH: Hypothalamus (lateral); BLA: basolateral amygdala; BMA: basomedial amygdala; CeA: central nucleus of the amygdala; vHP: ventral hippocampus; DG: dentate gyrus (ventral); PAG: periaqueductal grey (dorsolateral); VTA: ventral tegmental area; Pir: piriform cortex