Table S3

RefSeq	Gene name	Gene title	CPu-Morphine/Vehicle			CPu-Vehicle/VU0155041			CPu-Morphine/VU0155041			NAc-Morphine/Vehicle			NAc-Vehicle/VU0155041			NAc-Morphine/VU0155041			CeA-Morphine/Vehicle			CeA-Vehicle/VU0155041			CeA-Morphine/VU0155041		
			FC	sem	Corrected p values	FC	sem	Corrected p values	FC	sem	Corrected p values	FC	sem	Corrected p values	FC	sem	Corrected p values	FC	sem	Corrected p values	FC	sem	Corrected p values	FC	sem	Corrected p values	FC	sem	Corrected p values
NM_028755	cyclic AMP-regulated phosphoprotein, 21	*Arpp21*	-1.05	0.29	0.937	**1.82**	**0.17**	**0.006**	1.89	0.22	0.053	-1.52	0.23	0.085	1.20	0.15	0.241	**1.36**	**0.06**	**0.019**	-1.44	0.29	0.324	-1.05	0.19	0.842	1.08	0.18	0.696
NM_009732	arginine vasopressin	*Avp*	-1.75	0.43	0.298	1.36	0.43	0.676	**1.79**	**0.35**	**0,025**	**-2.44**	**0.43**	**0.042**	-1.05	0.42	0.908	1.25	0.47	0.879	-1.11	0.40	0.460	-1.30	0.30	0.421	1.40	0.32	0.432
NM_007540	brain derived neurotrophic factor	*Bdnf*	-1.76	0.42	0.241	-1.08	0.40	0.838	-1.11	0.59	0.162	-1.93	0.41	0.139	8.16	3.20	0.185	3.23	1.41	0.302	**1.66**	**0.07**	**0.031**	1.39	0.19	0.241	**1.79**	**0.27**	**0.048**
NM_010076	dopamine receptor D1A	*Drd1a*	-1.24	0.21	0.580	1.28	0.17	0.707	**1.72**	**0.22**	**0.039**	**-1.60**	**0.19**	**0.041**	1.10	0.13	0.831	-1.23	0.29	0.928	-1.35	0.25	0.233	**-1.91**	**0.32**	**0.050**	-1.32	0.32	0.424
NM_010077	dopamine receptor D2	*Drd2*	-1.59	0.66	0.735	-1.28	0.22	0.336	-1.03	0.39	0.271	-1.09	0.11	0.757	1.29	0.31	0.931	-1.09	0.28	0.878	**-1.69**	**0.18**	**0.029**	-1.63	0.46	0.832	-3.13	0.89	0.089
NM_001013385	glutamate receptor, metabotropic 4	*Grm4*	-1.29	0.36	0.196	1.63	0.44	0.426	**1.79**	**0.40**	**0.039**	-1.43	0.30	0.182	1.63	0.44	0.177	**2.10**	**0.50**	**0.018**	1.02	0.29	0.717	**1.61**	**0.25**	**0.049**	-1.28	0.32	0.848
NM_010234	FBJ osteosarcoma oncogene	*Fos*	-1.09	0.15	0.750	1.03	0.33	0.911	**1.21**	**0.26**	**0.029**	**-1.53**	**0.20**	**0.047**	1.21	0.25	0.866	-1.10	0.26	0.801	1.23	0.15	0.362	1.19	0.13	0.553	-1.47	0.26	0.781
NM_010471	hippocalcin	*Hpca*	1.12	0.28	0.843	**1.47**	**0.23**	**0.047**	**2.12**	**0.38**	**0.036**	**-1.85**	**0.31**	**0.043**	-1.02	0.11	0.256	1.12	0.19	0.889	-1.58	0.39	0.736	-1.26	0.20	0.416	-1.07	0.19	0.732
NM_010444	nuclear receptor subfamily 4, group A, member 1	*Nr4a1*	-2.24	0.51	0.460	-1.05	0.32	0.777	1.21	0.27	0.085	-1.24	0.31	0.363	-1.08	0.52	0.730	1.23	0.28	0.981	1.05	0.23	0.901	**1.40**	**0.16**	**0.050**	1.13	0.17	0.571
NM_011025	oxytocin	*Oxt*	-1.22	0.35	0.730	2.20	0.60	0.198	**1.94**	**0.42**	**0.042**	**-2.07**	**0.45**	**0.047**	1.03	0.28	0.336	3.52	0.99	0.146	-2.53	0.55	0.056	-1.36	0.26	0.689	-1.66	0.70	0.581
NM_011866	phosphodiesterase 10A	*Pde10a*	-1.43	0.20	0.751	-1,00	0.34	0.656	1.33	0.36	0.394	-1.24	0.23	0.230	-1.04	0.13	0.627	-1.24	0.37	0.541	**-2.60**	**0.65**	**0.031**	-1.81	0.63	0.682	-3.27	1.22	0.132
NM_009305	Synaptophysin	*Syp*	-1.07	0.41	0.861	**6.63**	**1.46**	**0.010**	**6.68**	**1.19**	**0.029**	-2.00	0.57	0.220	**4.10**	**0.74**	**0.006**	**2.57**	**0.25**	**0.003**	1.12	0.55	0.189	1.29	0.24	0.472	**4.20**	**1.20**	**0.049**