TABLE S1. Activations at Amygdala, Orbitofrontal Cortex (OFC), and Subgenual Anterior Cingulate Cortex (sgACC)

Region	Contrast[a]	Voxels	Side	t or F	z	p (Uncorrected)	p (FDR corrected)	MNI coordinates (x, y, z)
Amygdala	T1 MDD > HC	36	R	3.65	3.36	0.000	0.030	33, –6, –12
				2.32	2.23	0.013	0.066	19, 3, –16
		16	L	3.17	2.97	0.002	0.030	–22, 0, –12
	Group by time	14	R	9.77	2.78	0.003	0.172	30, –8, –12
		16	L	7.08	2.33	0.010	0.172	–19, –3, –16
	MDD T1 > T2	16	L	4.24	3.35	0.000	0.058	–19, –6, –16
	HC T2 > T1	26	R	2.66	2.58	0.005	0.196	30, –6, –16
Orbitofrontal cortex	T1 MDD > HC	102	R	3.51	3.25	0.001	0.157	41, 19, –16
				2.77	2.63	0.004	0.157	36, 30, –16
				2.77	2.62	0.006	0.157	36, 33, –4
		129	L	3.19	2.98	0.001	0.157	–16, 47, –16
				3.13	2.94	0.002	0.157	–3, 47, –8
				3.07	2.89	0.002	0.157	–8, 38, –12
		41	L	2.78	2.64	0.004	0.157	–41, 30, –8
				2.49	2.38	0.009	0.157	–36, 16, –16
				2.23	2.15	0.016	0.157	–44, 22, –12
		19	L	2.62	2.49	0.006	0.157	–22, 38, –20
				2.23	2.15	0.016	0.157	–25, 28, –12
				1.88	1.83	0.033	0.157	–28, 28, –24
		10	L	2.42	2.32	0.010	0.157	–19, 14, –16
	T2 MDD > HC	26	L	2.87	2.68	0.004	0.546	–16, 52, –12
				1.78	1.73	0.042	0.546	–8, 55, –4
		32	L	2.83	2.64	0.004	0.546	–30, 22, –12
				2.23	2.13	0.017	0.546	–25, 36, –8
	MDD T1 > T2	18	L	2.73	2.55	0.005	0.955	–44, 28, –8
		11	R	2.30	2.19	0.014	0.956	28, 28, –16
	HC T1 > T2	50	L	2.78	2.61	0.005	0.642	–41, 41, –4
				2.62	2.48	0.007	0.642	–28, 33, –8
				1.97	1.90	0.029	0.643	–36, 41, –16
		15	R	2.92	2.73	0.003	0.642	28, 36, –8
	HC T2 > T1	15	R	2.89	2.70	0.003	0.991	14, 16, –20
				1.99	1.92	0.027	0.991	22, 16, –16
Subgenual anterior cingulate cortex	T1 MDD > HC	27	L	3.24	3.50	0.001	0.043	–8, 19, –12
				2.22	2.31	0.013	0.107	–8, 6, –20
		39	R	3.15	3.39	0.001	0.043	8, 8, –12
				2.44	2.55	0.007	0.093	11, 8, –20
				2.23	2.32	0.013	0.107	11, 25, –12
	Group by time	11	L	2.63	8.82	0.004	0.260	–8, 19, –8
			R	2.72	9.40	0.003	0.260	6, 6, –8
	MDD T1 > T2	10	R	2.36	2.50	0.009	0.603	6, 8, –12

[a] T1=baseline; T2=week 8; MDD=depressed adolescents; HC=healthy comparison subjects.

TABLE S2. Group-by-Time Post Hoc Simple Group Effects for Amygdala, Orbitofrontal Cortex, and Subgenual Anterior Cingulate Activations[a]

Time Period & Group	Left						Right					
	M	SE	95% CI for M	F	p	d	M	SE	95% CI for M	F	p	d
Amygdala												
Baseline				5.76	0.04	0.76				9.31	0.008	0.96
MDD (n=19)	0.091	0.049	–0.007 to 0.191				0.050	0.038	–0.028 to 0.128			
Control (n=21)	–0.071	0.046	–0.165 to 0.023				–0.113	0.036	–0.188 to –0.038			
Week 8				2.51	0.12	0.57				0.33	0.56	0.20
MDD (n=15)[b]	–0.108	0.051	–0.213 to –0.003				–0.031	0.042	–0.118 to 0.056			
Control (n=17)[b]	0.007	0.047	–0.090 to 0.105				0.004	0.039	–0.077 to 0.086			
Orbital Frontal Cortex												
Baseline				17.86	0.0002	1.33				19.04	0.0002	1.38
MDD (n=19)	0.042	0.023	–0.005 to 0.089				0.051	0.022	0.005 to 0.097			
Control (n=21)	–0.093	0.022	–0.138 to –0.049				–0.085	0.021	–0.129 to –0.041			
Week 8				1.41	0.24	0.42				0.01	0.97	0.04
MDD (n=15)[b]	0.010	0.027	–0.045 to 0.067				–0.018	0.021	–0.061 to 0.025			
Control (n=17)[b]	–0.037	0.025	–0.090 to 0.015				–0.019	0.020	–0.059 to 0.021			
Subgenual Anterior Cingulate Cortex												
Baseline				10.10	0.006	1.01				13.73	0.001	1.17
MDD (n=19)	0.009	0.025	–0.043 to 0.061				0.020	0.025	0.030 to 0.072			
Control (n=21)	–0.103	0.024	–0.153 to –0.054				–0.109	0.024	–0.158 to –0.060			
Week 8				0.01	0.98	0.03				2.26	0.14	0.53
MDD (n=15)[b]	–0.011	0.024	–0.061 to 0.038				–0.052	0.027	–0.108 to 0.003			
Control (n=17)[b]	–0.012	0.022	–0.058 to 0.034				0.006	0.025	–0.045 to 0.058			

[a] M=least squares mean; SE=standard error; 95% CI=95% confidence interval for the expected mean value. The F statistic was used to test for mean differences between the two groups; p values were adjusted for multiple testing within each region using the false discovery rate; n=sample size per group. Cohen's d is to effect size estimator from modeled least squares means and pooled variance and represents the standardized effect size for the between-subjects group effect (major depression versus healthy comparison group).

[b] Least squares means at week 8 were adjusted for baseline activation.