Supplementary table 3. Parameter estimates of multivariate analysis of covariance using magnetic ressonance spectroscopy absolute metabolites values in the anterior cingulate as dependent variables and age, gender,group, Bcl-2 genotype, group*Bcl-2 genotype interaction as covariates.

Dependent Variable	Parameter	B	Std. Error	t	Sig.	Partial Eta Squared	Observed Power
Glu							
	age	-0.007	0.017	-0.386	0.701	0.2%	6.7%
	gender	0.665	0.213	3.129	**0.003**	12.0%	87.0%
	Group	1.76	0.562	3.131	**0.003**	12.0%	87.1%
	Bcl-2 genotype (AG)	0.225	0.482	0.467	0.642	0.3%	7.5%
	Bcl-2 genotype (GG)	0.683	0.483	1.414	0.162	2.7%	28.7%
	Bcl-2 genotype (AA)	0[a]	.	.	.	.	.
	Group*Bcl-2 genotype (AG)	-1.713	0.632	-2.713	**0.008**	9.3%	76.3%
	Group*Bcl-2 genotype (GG)	-1.824	0.646	-2.826	**0.006**	10.0%	79.6%
	Group*Bcl-2 genotype (AA)	0[a]	.	.	.	.	.
Glx							
	age	0.005	0.023	0.22	0.826	0.1%	5.5%
	gender	0.615	0.282	2.181	**0.032**	6.2%	57.6%
	Group	2.637	0.745	3.54	**0.001**	14.8%	93.7%
	Bcl-2 genotype (AG)	0.208	0.639	0.325	0.746	0.1%	6.2%
	Bcl-2 genotype (GG)	0.628	0.64	0.982	0.329	1.3%	16.3%
	Bcl-2 genotype (AA)	0[a]	.	.	.	.	.
	Group*Bcl-2 genotype (AG)	-2.281	0.837	-2.726	**0.008**	9.4%	76.7%
	Group*Bcl-2 genotype (GG)	-2.532	0.855	-2.96	**0.004**	10.8%	83.1%
	Group*Bcl-2 genotype (AA)	0[a]	.	.	.	.	.

[a] This parameter is set to zero because it is redundant.

caption: Glu= glutamate; Cre=creatine phosphocreatine; Glx= glutamate+glutamine. significance level $p<0.05$