

Table S1. Distribution of genotypes and alleles of the studied single-nucleotide polymorphisms, and OR with 95 % CI in group of depressed patients that had their first episode at or after 35 years of age (marked as late onset depression) and group of depressed patients that had their first episode before 35 years of age (marked as early onset depression).

Genotype /Allele	Late onset depression (n = 132)		Early onset depression (n = 129)		Crude OR (95% CI)	p	Adjusted OR (95% CI)*	p
	Number	Frequency	Number	Frequency				
<i>EXOG c.-188T>G (rs9838614)</i>								
T/T	17	0,129	21	0,163	1,315 (0,659-2,626)	0,437	1,309 (0,654-2,620)	0,446
T/G	109	0,826	100	0,775	0,728 (0,395-1,340)	0,308	0,723 (0,392-1,335)	0,300
G/G	6	0,045	8	0,062	1,388 (0,468-4,119)	0,554	1,432 (0,480-4,267)	0,520
					$\chi^2 = 1,060; p = 0.589$			
T	143	0,542	142	0,550	1,096 (0,628-1,911)	0,747	1,084 (0,620-1,894)	0,777
G	121	0,458	116	0,450	0,913 (0,523-1,591)	0,747	0,923 (0,528-1,612)	0,777
<i>EXOG c.*627G>A (rs1065800)</i>								
G/G	9	0,068	5	0,039	0,551 (0,180-1,691)	0,298	0,551 (0,179-1,696)	0,299
G/A	108	0,818	107	0,829	1,081 (0,571-2,044)	0,811	1,077 (0,568-2,042)	0,819
A/A	15	0,114	17	0,132	1,184 (0,564-2,484)	0,655	1,189 (0,565-2,502)	0,647
					$\chi^2 = 1,238; p = 0.538$			
G	126	0,477	117	0,453	0,757 (0,419-1,366)	0,355	0,754 (0,417-1,365)	0,351
A	138	0,523	141	0,547	1,322 (0,732-2,387)	0,355	1,326 (0,733-2,400)	0,351
<i>POLG c.-1370T>A (rs1054875)</i>								
T/T	11	0,083	5	0,039	0,444 (0,150-1,314)	0,142	0,433 (0,145-1,288)	0,132
T/A	100	0,758	94	0,729	0,859 (0,493-1,498)	0,593	0,874 (0,500-1,528)	0,638
A/A	21	0,159	30	0,233	1,602 (0,862-2,977)	0,136	1,582 (0,849-2,946)	0,148
					$\chi^2 = 3,990; p = 0.136$			
T	122	0,462	104	0,403	0,604 (0,363-1,007)	0,053	0,606 (0,364-1,011)	0,055
A	142	0,538	154	0,597	1,654 (0,993-2,756)	0,053	1,649 (0,989-2,750)	0,055
<i>ENDOG c.-394T>C (rs2977998)</i>								

CC	76	0,576	76	0,589	1,057 (0,646-1,728)	0,826	1,082 (0,659-1,775)	0,756
CT	46	0,348	43	0,333	0,935 (0,560-1,560)	0,796	0,905 (0,540-1,516)	0,704
TT	10	0,076	10	0,078	1,025 (0,412-2,552)	0,957	1,047 (0,419-2,616)	0,921
$\chi^2 = 0,666; p = 0,967$								
C	198	0,750	195	0,756	1,029 (0,702-1,508)	0,882	1,040 (0,708-1,527)	0,841
T	66	0,250	63	0,244	0,972 (0,663-1,424)	0,882	0,962 (0,655-1,412)	0,841
<i>ENDOG c.-220C>T (rs2997922)</i>								
C/C	69	0,523	62	0,481	0,845 (0,520-1,373)	0,496	0,872 (0,534-1,422)	0,582
C/T	47	0,356	53	0,411	1,261 (0,765-2,079)	0,363	1,214 (0,733-2,012)	0,451
T/T	16	0,121	14	0,109	0,883 (0,412-1,891)	0,748	0,896 (0,417-1,925)	0,778
$\chi^2 = 0,833; p = 0,659$								
C	185	0,701	177	0,686	0,939 (0,658-1,339)	0,728	0,952 (0,666-1,361)	0,788
T	79	0,299	81	0,314	1,065 (0,747-1,519)	0,728	1,050 (0,735-1,501)	0,788

* OR adjusted for sex.

p < 0.05 along with corresponding ORs are in bold

Table S2. Distribution of genotypes and alleles of the studied single-nucleotide polymorphisms, and OR with 95 % CI in patients with depression that scored more than 7 point after therapy in HAM-D (marked as cured depression) and more than 7 point after therapy in HAM-D (marked as not cured depression).

Genotype /Allele	Not cured depression (n = 95)		Cured depression (n = 167)		Crude OR (95% CI)	p	Adjusted OR (95% CI)*	p
	Number	Frequency	Number	Frequency				
<i>EXOG c.-188T>G (rs9838614)</i>								
T/T	14	0,147	21	0,163	0,937 (0,463-1,897)	0,857	0,936 (0,462-1,897)	0,854
T/G	74	0,779	100	0,775	0,868 (0,469-1,607)	0,203	0,874 (0,471-1,620)	0,668
G/G	7	0,042	8	0,062	1,818 (0,618-5,351)	0,278	1,787 (0,606-5,271)	0,293
$\chi^2 = 1,213; p = 0,545$								
T	102	0,537	142	0,550	0,814 (0,458-1,445)	0,494	0,817 (0,460-1,452)	0,491

G	88	0.463	116	0,450	1,229 (0,692-2,182)	0,482	1,224 (0,689-2,174)	0,491
<i>EXOG c.*627G>A (rs1065800)</i>								
G/G	7	0.074	6	0,036	2,134 (0,696-6,548)	0,185	2,162 (0,703-6,651)	0,179
G/A	73	0.768	143	0,856	0,557 (0,293-1,060)	0,075	0,552 (0,290-1,053)	0,071
A/A	15	0.158	18	0,108	1,552 (0,743-3,244)	0,242	1,560 (0,745-3,266)	0,238
$\chi^2 = 3,514; p = 0,173$								
G	87	0.458	155	0,464	0,930 (0,505-1,712)	0,816	0,930 (0,504-1,715)	0,816
A	103	0.542	179	0,536	1,075 (0,584-1,980)	0,816	1,075 (0,583-1,983)	0,816
<i>POLG c.-1370T>A (rs1054875)</i>								
T/T	7	0.074	9	0,054	1,396 (0,503-3,879)	0,522	1,421 (0,510-3,959)	0,501
T/A	65	0.684	131	0,784	0,595 (0,337-1,051)	0,074	0,581 (0,328-1,029)	0,063
A/A	23	0.242	27	0,162	1,656 (0,887-3,093)	0,113	1,693 (0,904-3,172)	0,100
$\chi^2 = 3,254; p = 0,197$								
T	79	0.416	149	0,446	0,773 (0,459-1,300)	0,331	0,765 (0,454-1,290)	0,315
A	111	0.584	185	0,554	1,294 (0,769-2,176)	0,331	1,307 (0,775-2,204)	0,315
<i>ENDOG c.-394T>C (rs2977998)</i>								
CC	55	0.579	96	0,575	1,017 (0,611-1,693)	0,949	1,005 (0,602-1,675)	0,986
CT	31	0.326	61	0,365	0,842 (0,494-1,433)	0,526	0,857 (0,503-1,463)	0,573
TT	9	0.095	10	0,60	1,643 (0,643-4,198)	0,300	1,610 (0,629-4,125)	0,321
$\chi^2 = 1,278; p = 0,528$								
C	141	0.742	253	0,757	0,925 (0,621-1,379)	0,703	0,922 (0,619-1,374)	0,690
T	49	0.258	81	0,243	1,081 (0,725-1,610)	0,703	1,085 (0,728-1,617)	0,690
<i>ENDOG c.-220C>T (rs2997922)</i>								
C/C	50	0.526	81	0,485	1,180 (0,712-1,953)	0,521	1,154 (0,695-1,917)	0,579
C/T	34	0.358	67	0,401	0,832 (0,494-1,401)	0,489	0,858 (0,507-1,451)	0,567
T/T	11	0.116	19	0,114	1,020 (0,463-2,246)	0,961	1,000 (0,453-2,207)	0,999
$\chi^2 = 0,503; p = 0,778$								
C	134	0.705	229	0,686	1,088 (0,751-1,578)	0,654	1,080 (0,745-1,566)	0,685
T	56	0.295	105	0,314	0,919 (0,634-1,332)	0,654	0,926 (0,639-1,343)	0,685

* OR adjusted for sex.

p < 0.05 along with corresponding ORs are in bold

