

Table 2a. Gene Ontology analysis of Category I-IV genes

	I	II	III METH	III VPA	IV METH	IV VPA
GO ANALYSIS - CATEGORIES – NO. OF GENES						
1.	2	4	9	12	18	36
2.	1	5	10	20	25	56
3.	2	9	12	19	35	72
4.	1	4	2	4	6	14
5.	1		2	1	5	1
6.	1		2	2	7	2
7.	1				1	
8.	1					
9.		1	2	3	1	3
10.		1	1			3
11.		1		1		2
12.		1			1	1
13.		1				
14.			2	2		3
15.				1	1	2
16.				1	1	2
17.				1	1	2
18.			4			1
19.				1		1
20.				1		
21.					1	1
22.					1	
23.					1	
24.						1
25.						2

Table 2b. Gene Ontology analysis of genes changed in multiple brain regions

Drug / Brain regions	METH			VPA				
	PFC/CP	PFC/VT	CP/NA	AMY/CP/VT	PFC/AMY	AMY/CP	AMY/VT	CP/VT
GO ANALYSIS – CATEGORIES NO. OF GENES								
1.		1		1	1	7	1	1
2.	1			1		12	1	1
3.		1	1	1	1	10	1	1
4.						1		
14.						1		
19.						1		
25.						1		