

Table S9

A

blood cell type	probes with/without enriched expression	significant probes			non significant probes			total probes			test for over-representation of significantly altered probes in MCI blood in particular blood cell types			
		Control-MCI		Control-MCI		Control-MCI		χ^2	P- value	permutated	P- value for 10,000 permutations	hypergeometric probability	P- value (p(X≥x))	
Granulocyte (CD66b ⁺)	Non-enriched	1,953	16,489	18,442										
	Enriched	46	673	719	13.02	3.2X10 ⁻⁴	2.0X10 ⁻⁴	1						
Monocyte (CD14 ⁺)	Non-enriched	1,308	17,676	18,974										
	Enriched	11	166	177	0.13	0.72	0.89	0.48						
B cell (CD19 ⁺)	Non-enriched	1,989	17,000	18,989										
	Enriched	10	162	172	4	0.05	0.05	0.99						
Th cell (CD4 ⁺)	Non-enriched	1,998	17,123	19,121										
	Enriched	1	39	40	2.7	0.1	0.13	0.99						
Tc cell (CD8 ⁺)	Non-enriched	1,999	17,158	19,157										
	Enriched	0	4	4	0.5	0.5	1	1						
NK cell	Non-enriched	1,992	17,106	19,098										
	Enriched	7	56	63	2.36	0.13	1	0.49						

B

blood cell type	probes with/without enriched expression	significant probes			non significant probes			total probes			test for over-representation of significantly altered probes in AD blood in particular blood cell types			
		Control-AD		Control-AD		Control-AD		χ^2	P- value	permutated	P- value for 10,000 permutations	hypergeometric probability	P- value (p(X≥x))	
Granulocyte (CD66b ⁺)	Non-enriched	1,273	17,169	18,442										
	Enriched	46	673	719	0.28	0.6	0.65	0.72						
Monocyte (CD14 ⁺)	Non-enriched	1,308	17,676	18,984										
	Enriched	11	166	177	0.13	0.72	0.75	0.68						
B cell (CD19 ⁺)	Non-enriched	1,317	17,672	18,989										
	Enriched	2	170	172	8.86	3.0X10 ⁻³	4.0X10 ⁻³	0.1						
Th cell (CD4 ⁺)	Non-enriched	1,317	17,804	19,121										
	Enriched	2	38	40	0.22	0.64	0.8	0.77						
Tc cell (CD8 ⁺)	Non-enriched	1,319	17,838	19,157										
	Enriched	0	4	4	0.3	0.59	1	1						
NK cell	Non-enriched	1,317	17,781	19,098										
	Enriched	2	61	63	1.46	0.24	0.32	0.94						