

Supplemental Table 1. Toxicology screen and prescribed medications in the last month of life.

NS = non-suicide, S = suicide, *= present, BMI = body mass index.

	Toxicology									Prescriptions	Smoking Status	BMI
	Antidepressants	Antipsychotics	Mood Stabilizers	Anxiolytics	Ethanol	Cocaine	Cannabis	Opiates	Other Drugs	Antidepressants / antipsychotics / mood stabilizers in last month of life		
NS		Chlorpromazine		Meprobamate						Valproate and olanzapine	No	49.4
						*					Current	53.2
			Carbamazepine							Olanzapine	Unknown	39.5
											Current	51.6
									*	Fluoxetine	Former	23
S											Current	17.5
	Bupropion									Bupropion	Current	25.6
											No	34.2
								*		Bupropion and aripiprazole	Former	22
		Quetiapine								Venlafaxine, olanzapine, and carbamazepine.	Current	23.8

Supplemental Table 2.
Posthoc Power Analysis

FDR	Sample Size (N1=N2)	No. of proteins	No. of false positive	Fold difference	Standard deviation	Power	Per-protein alpha
0.3	5	5162	10	1.32	0.4	0.063	0.00194

Sensitivity

FDR	Sample Size (N1=N2)	No. of proteins	No. of false positive	Fold difference	Standard deviation	Sensitivity	Per-protein alpha
0.05	5	5162	0.5	1.32	0.4	0.007	0.00010
0.1	5	5162	1	1.32	0.4	0.014	0.00027
0.15	5	5162	2	1.32	0.4	0.026	0.00044
0.2	5	5162	4	1.32	0.4	0.035	0.00070
0.3	5	5162	10	1.32	0.4	0.063	0.00194
0.4	5	5162	19	1.32	0.4	0.093	0.00364
0.5	5	5162	33	1.32	0.4	0.126	0.00630

Supplemental Table 3. Thirty-three differentially expressed proteins between groups (suicide vs. non-suicide) in the dorsolateral prefrontal cortex after adding body mass index as a covariate in the linear regression model.

	Student <i>t</i> -			CI	
	Beta	test	<i>p</i> -value		
KCNQ3	-0.946	-4.083	0.005	-0.544	-0.145
MBLAC1	-0.757	-2.774	0.028	-1.138	-0.091
TRIM36	1.095	4.278	0.004	0.244	0.846
RBMX	-0.658	-2.427	0.046	-1.221	-0.016
ADCY5	0.939	3.244	0.014	0.246	1.566
ENTPD2	-0.780	-2.634	0.034	-2.237	-0.121
NEK7	-0.577	-2.151	0.068	-1.309	0.062
SNX5	-1.242	-5.571	0.001	-1.146	-0.463
FAH	-0.801	-2.560	0.038	-0.682	-0.027
MLC1	-0.768	-2.449	0.044	-1.674	-0.029
MBNL1	-0.490	-1.729	0.127	-1.600	0.248
CBPC1	1.075	3.639	0.008	0.142	0.667
HCN2	0.851	2.575	0.037	0.077	1.815
PLCL1	0.646	1.985	0.088	-0.056	0.645
DOCK1	0.768	2.250	0.059	-0.022	0.887
CNTN4	1.031	3.198	0.015	0.186	1.243
CNKSR2	-0.841	-2.393	0.048	-0.834	-0.005
CAMK2D	-0.867	-2.474	0.043	-1.196	-0.027
EIF4E	-0.496	-1.502	0.177	-1.211	0.270
UBE4A	1.090	3.489	0.010	0.155	0.809
SRR	-0.638	-1.807	0.114	-1.475	0.197
GABRB1	-0.610	-1.730	0.127	-0.765	0.119
MPP2	-0.805	-2.239	0.060	-1.265	0.034
EARS2	-0.970	-2.803	0.026	-1.469	-0.125
EWSR1	-0.724	-1.988	0.087	-1.255	0.108
SNX14	-0.988	-2.874	0.024	-4.255	-0.414
ARAP1	-0.469	-1.399	0.204	-1.278	0.328
MAOA	-0.501	-1.450	0.190	-0.737	0.177
ARHGEF9	-0.813	-2.224	0.061	-1.581	0.048
PYCARD	-1.218	-4.456	0.003	-1.463	-0.448
ASMTL	-0.501	-1.446	0.191	-0.913	0.220
GOLT1B	1.274	5.183	0.001	0.361	0.967
C9orf72	-0.949	-2.688	0.031	-0.828	-0.053

CI=coefficient interval