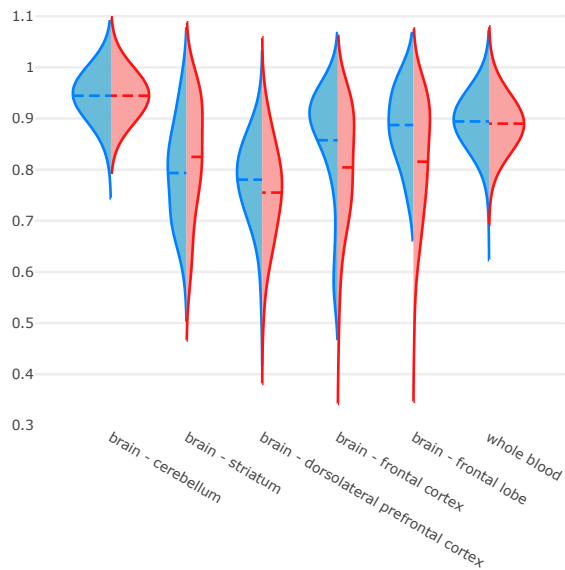


CpG ID	Genomic Coordinate (hg19)	Chr	Associated Genes	CpG in Feature	Cor Blood-BA7	Cor Blood-BA10	Cor Blood-BA20	Mean Cor All Brain	SD Mean Cor All	Percentile of Mean	Percentile of Mean	Mean Change	Mean Change	Percentile rank of	Percentile rank of	Var in Blood	Var in All Brain	Var in BA7	Var in BA10	Var in BA20
1	cg0192052	1.69E+08	3 ACTRT3	intragenic	-0.28529	-0.16471	-0.49706	-0.31569	0.168248	-	90%	0	0.02	<50%	75-90% (Brain)	0.027148	0.095309	0.066311	0.074639	0.10182
2	cg0629427	1.24E+08	7 GPR37	intragenic	-0.28824	-0.00294	-0.05294	-0.11471	0.152346	-	<50%	0.02	0.06	50-75% (Brain)	90% (Brain)	0.072983	0.249145	0.178842	0.278994	0.163316
3	cg0819357	1.7E+08	3 LRRC34	intragenic	0.447059	0.558824	0.441176	0.482353	0.066291	90%	-	0.04	0.04	75-90% (Brain)	90% (Brain)	0.127189	0.136379	0.120043	0.138222	0.126796
4	cg0083255	1.7E+08	3 LRRC34	intragenic	0.529412	0.1	0.126471	0.251961	0.240644	75-90%	-	0.02	0.01	50-75% (Brain)	50-75% (Brain)	0.072089	0.065075	0.073866	0.03225	0.055494
5	cg1235852	1.7E+08	3 LRRC34	promoter	-0.12647	-0.06765	0.047059	-0.04902	0.088252	-	<50%	0	0	<50% (Brain)	<50% (Brain)	0.016803	0.017184	0.01909	0.015699	0.012274
6	cg0809563	1.7E+08	3 LRRC34	promoter	0.264706	0.002941	-0.17353	0.031373	0.220497	<50%	-	0	0	<50% (Brain)	<50% (Brain)	0.008852	0.013789	0.015128	0.014062	0.010161
7	cg1232414	1.7E+08	3 LRRC34	promoter	0.402941	0.220588	-0.17647	0.14902	0.296262	50-75%	-	0.02	0.01	75-90% (Brain)	50-75% (Brain)	0.101411	0.128388	0.098344	0.110964	0.104191
8	cg0336996	1.7E+08	3 LRRC34	promoter	0.008824	0.023529	0.202941	0.078431	0.108079	<50%	-	0.03	0.02	75-90% (Brain)	75-90% (Brain)	0.126303	0.119049	0.07667	0.147694	0.0675
9	cg1817109	1.7E+08	3 None	intergenic	-0.20882	-0.18235	-0.11471	-0.16863	0.048537	-	50-75%	0.01	0.01	<50% (Brain)	75-90% (Brain)	0.0293	0.136339	0.118085	0.095679	0.13315
10	cg1100555	1.06E+08	10 OBFC1	intragenic	0.288235	0.144118	0.214706	0.215686	0.072064	50-75%	-	0.02	0.04	50-75% (Brain)	90% (Brain)	0.094638	0.290632	0.281379	0.269243	0.284652
11	cg0062441	1282357	5 TERT	intragenic	-0.07059	-0.02059	-0.10882	-0.06667	0.044248	-	<50%	0.02	0.04	50-75% (Brain)	90% (Brain)	0.072427	0.142684	0.149954	0.169352	0.119533
12	cg0393537	1282703	5 TERT	intragenic	0.055882	-0.05588	-0.59118	-0.19706	0.34586	-	50-75%	0.01	0.04	50-75% (Brain)	90% (Brain)	0.056818	0.166135	0.148556	0.194885	0.112009
13	cg0738002	1296007	5 TERT	promoter	-0.28824	0.173529	0.011765	-0.03431	0.234306	-	<50%	0.02	0	50-75% (Brain)	50-75% (Brain)	0.100413	0.0651	0.067849	0.059821	0.054737
14	cg0575134	62405935	20 ZBTB46	intragenic	-0.58235	0.132353	-0.23235	-0.22745	0.357378	-	50-75%	0.02	0.01	50-75% (Brain)	75-90% (Brain)	0.063213	0.096965	0.063702	0.086945	0.117883
15	cg1425126	62406428	20 ZBTB46	intragenic	0.267647	0.529412	0.455882	0.417647	0.135006	90%	-	0.06	0.01	90% (Brain)	50-75% (Brain)	0.215439	0.116059	0.110012	0.093078	0.124745
16	cg0263091	62436995	20 ZBTB46	promoter	0.055882	0.138235	-0.04412	0.05	0.091319	<50%	-	0.02	0.01	50-75% (Brain)	50-75% (Brain)	0.074256	0.083229	0.057636	0.098675	0.054512
17	cg2129198	62437035	20 ZBTB46	promoter	0.073529	-0.2	0.032353	-0.03137	0.14748	-	<50%	0	0.04	<50% (Brain)	90% (Brain)	0.029687	0.230601	0.094223	0.231544	0.091153

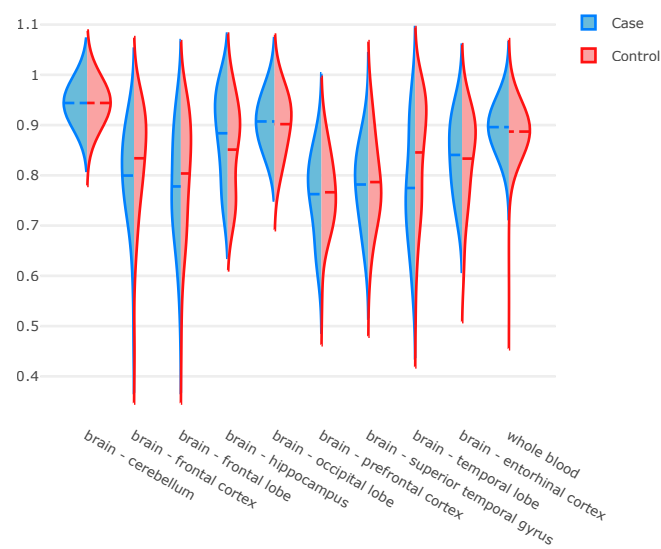
Tabular values for the significant CpG sites observed with Summary-based Mendelian Randomization, mined from BECon as displayed in Figure 4

cg06294279

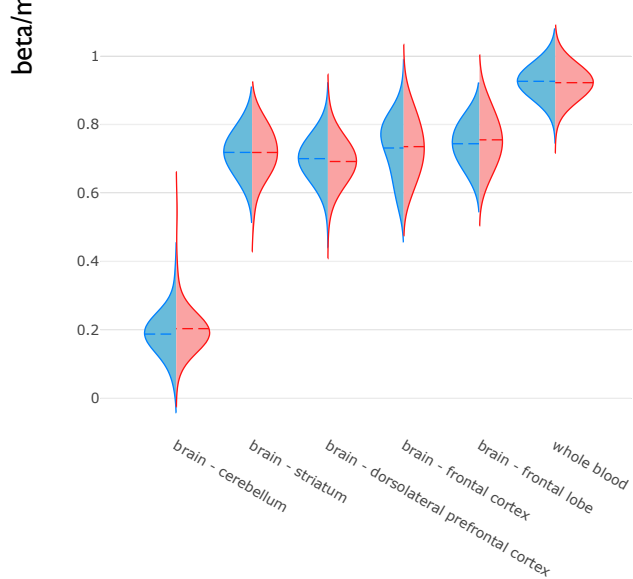
Schizophrenia



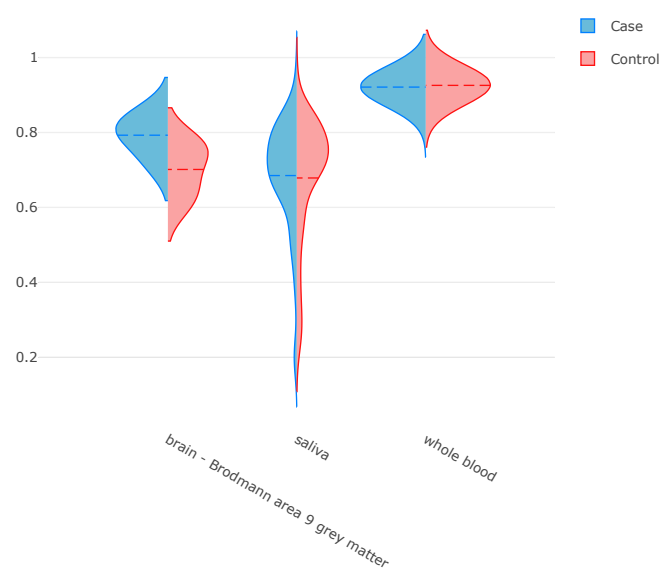
Alzheimer's disease

**cg03935379**

Schizophrenia

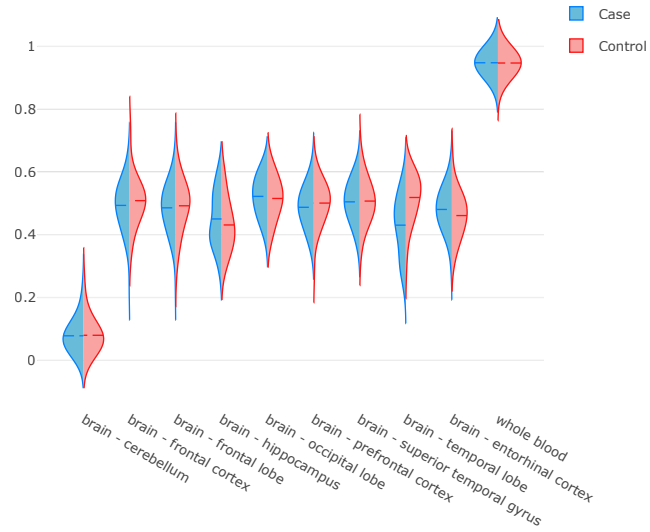


Parkinson's disease

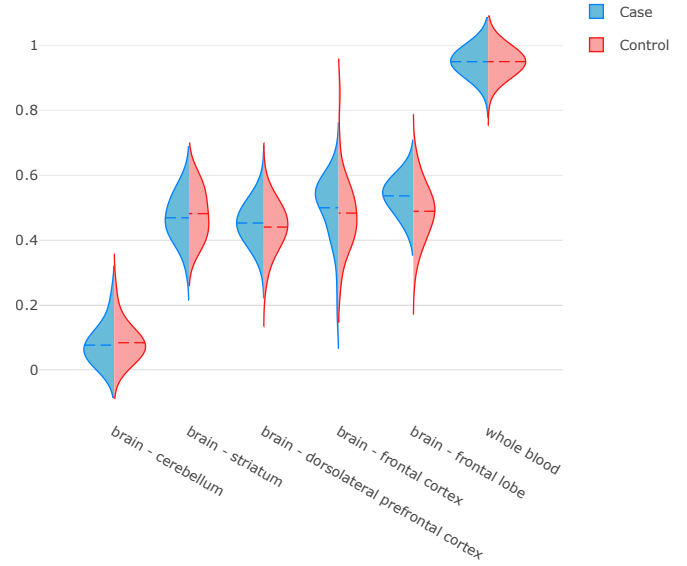


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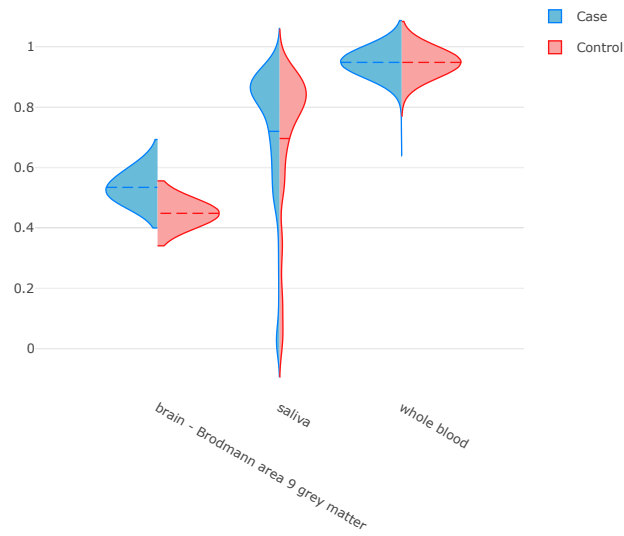
Alzheimer's disease



schizophrenia



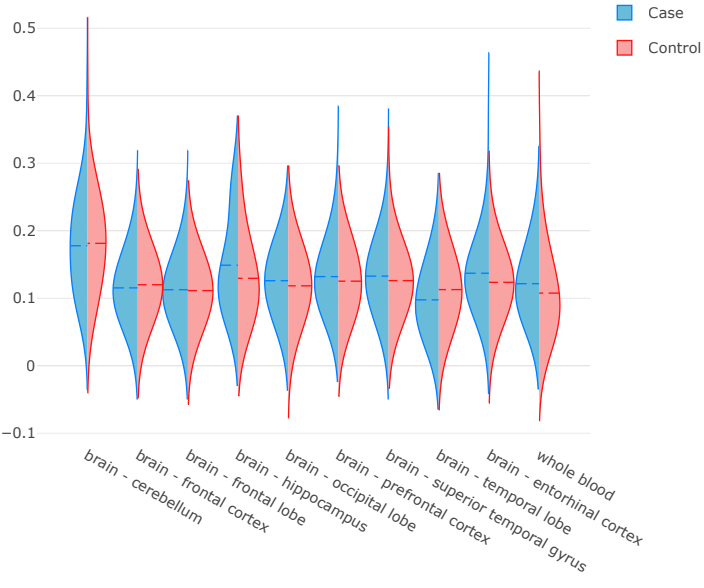
Parkinson's disease



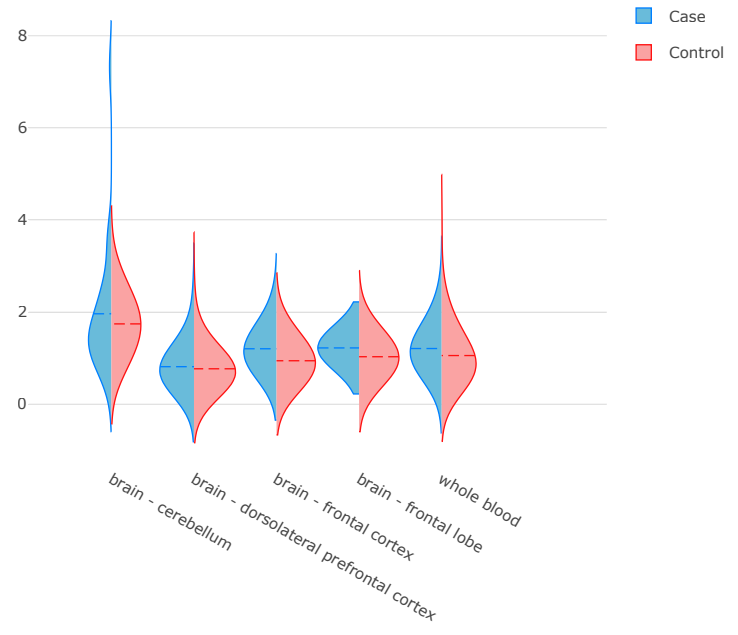
beta/m-value - methylation intensity

cg00832555

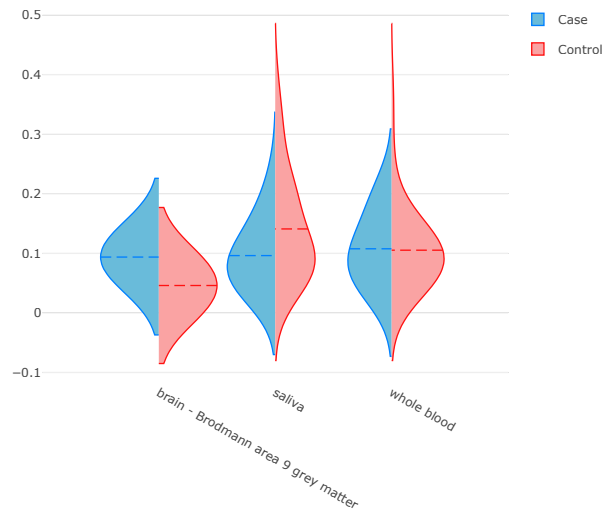
Alzheimer's disease



schizophrenia

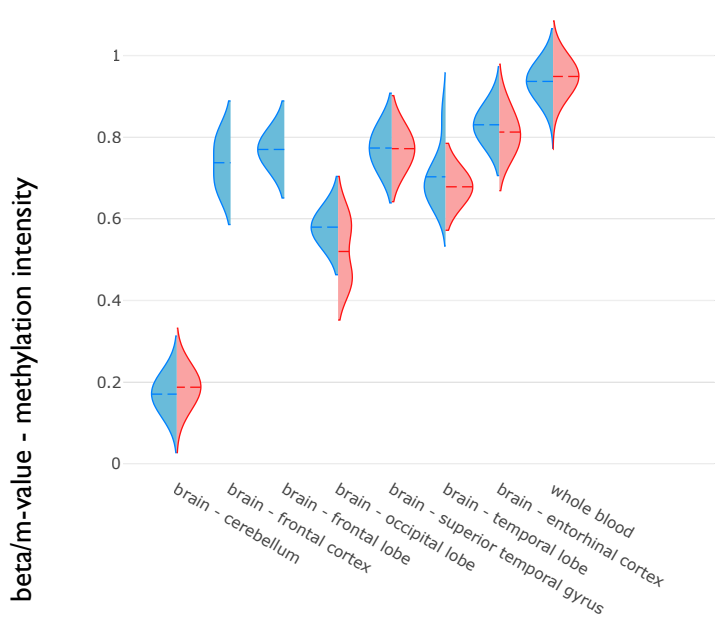


Parkinson's disease

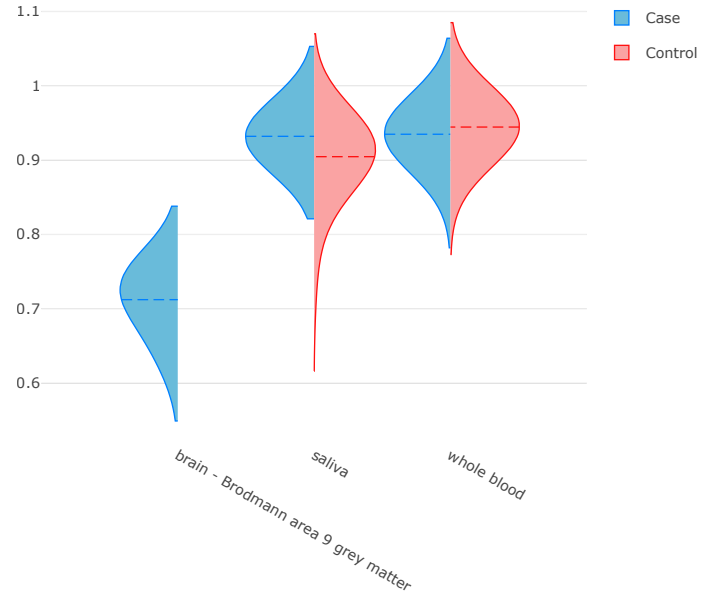


cg01920524

Alzheimer's disease



Parkinson's disease

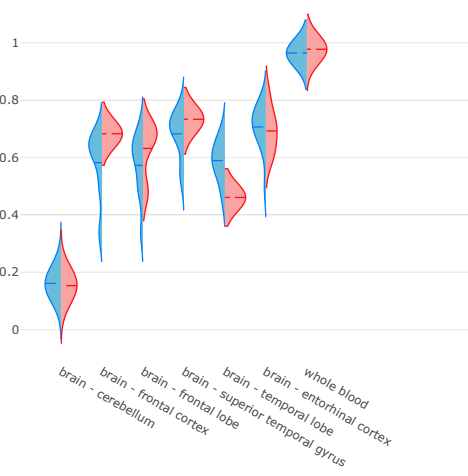


cg21291985

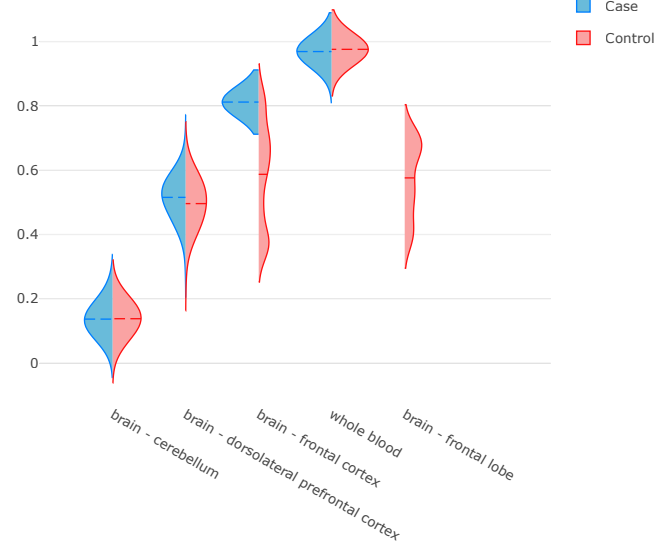
Alzheimer's disease

schizophrenia

beta/m-value - methylation intensity

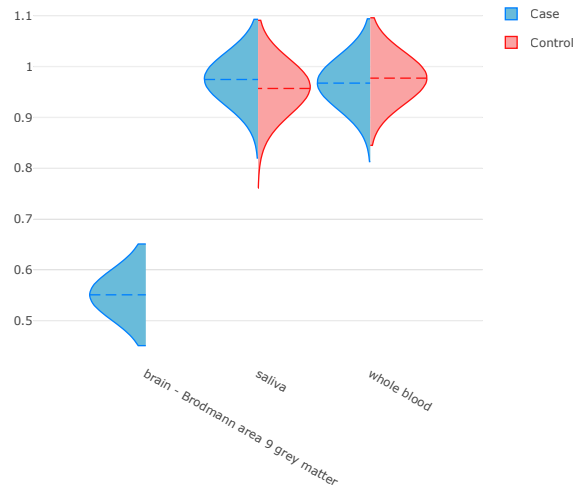


Case
Control



Case
Control

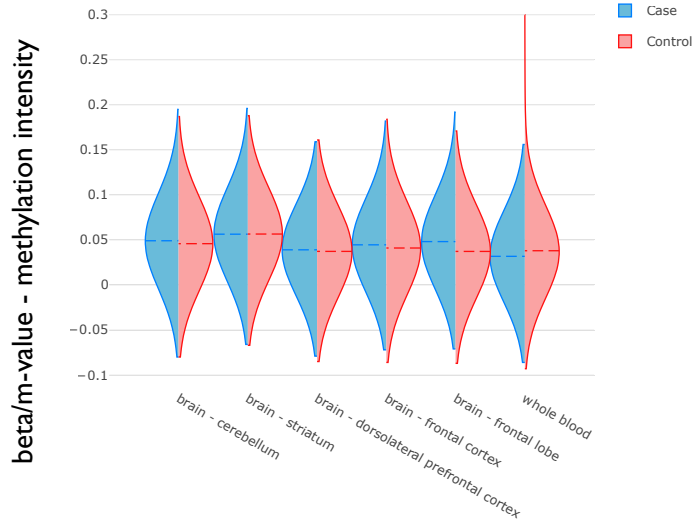
Parkinson's disease



Case
Control

cg08095637

schizophrenia



Parkinson's disease

