

DNA no.	age at epile	family histo	perinatal ris	developmer ID	drug-resista	epilepsy surgery	epilepsy surgery	
	years	Y/N (max. 2r	Y/N	no ID, ID, se	Y/N	Y/N/VNS	date	
MCD1022	0	N	N	Y	severe ID	Y	Y	18.5.2016
MCD1011	4.3	Y	Y	N	ID	Y	Y	14.02.2017
MCD1007	0.3	N	N	Y	ID	Y	Y	20.02.2009
MCD1019	0.9	Y	N	N	ID	Y	Y	31.03.2011
MCD1004	0	N	N	Y	ID	Y	Y	27.11.2018
MCD1016	0.8	Y	N	Y	ID	Y	Y	11.11.2009
MCD1035	0.2	N	Y	Y	ID	Y	Y	16.05.2017
MCD1076	0	Y	Y	Y	severe ID	Y	Y	01.07.2005
MCD1046	0	Y	Y	N	no ID	Y	Y	27.03.2018
MCD1067	0.2	Y	Y	Y	no ID	Y	Y	12.05.2020
second variant								
MCD1150	1	Y	N	Y	no ID	Y	Y	27.06.2018
MCD1116	2	Y	N	N	ID	Y	Y	07.06.2011
MCD1137	14.5	N	N	N	no ID	Y	Y	06.11.2018
MCD1164	4.6	Y	Y	N	ID	Y	Y	09.10.2017
MCD1131	0.5	N	N	N	no ID	Y	Y	30.09.2019
MCD1155	8.7	N	N	N	no ID	Y	Y	07.10.2009
MCD1113	0.4	N	Y	N	no ID	Y	Y	19.05.2010
MCD1144	0.2	N	N	Y	ID	Y	Y	25.05.2020
MCD1141	14.5	N	N	N	no ID	Y	Y	21.04.2020
MCD1152	3	N	N	N	no ID	Y	Y	14.01.2020
9633	3	Y	N	N	no ID	Y	Y	01.10.2020
MCD1172	1.5	Y	N	N	no ID	Y	Y	05.11.2019
MCD1222	11	Y	N	N	no ID	Y	Y	17.03.2020
MCD1240	5	N	N	N	no ID	Y	Y	06.10.2010
MCD1215	0.5	N	N	Y	ID	Y	Y	10.12.2019
MCD1206	6.7	N	N	N	no ID	Y	Y	19.02.2019
MCD1241	1.3	N	Y	N	no ID	Y	Y	12.03.2019
MCD1249	1.2	N	N	N	ID	Y	Y	28.01.2011
7990	0.1	N	N	Y	no ID	Y	Y	25.10.2017
MCD1166	0.4	N	N	N	no ID	Y	Y	17.09.2019
MCD1203	9.8	N	N	N	no ID	Y	Y	23.04.2018
MCD1212	5.5	N	N	N	no ID	Y	Y	12.05.2020

MCD1227	13 Y	N	N	no ID	Y	Y	3.10.2020
MCD1251	0.1 N	N	Y	ID	Y	Y	08.09.2020
MCD1209	8.5 N	N	N	no ID	Y	Y	08.06.2020
MCD1261	11 N	N	N	no ID	Y	Y	22.05.2018
MCD1263	0 N	N	N	no ID	Y	Y	16.04.2019
MCD1265	0.3 N	N	N	ID	Y	Y	03.12.2020
MCD1278	8 N	Y	Y	no ID	Y	Y	23.02.2021
MCD1289	0 N	N	Y	ID	Y	Y	02.10.2008
MCD1299	6.5 N	N	N	no ID	Y	Y	26.09.2017
MCD1221	0.3 N	N	N	no ID	Y	Y	29.11.2016
MCD1293	6 N	N	N	no ID	Y	Y	08.10.2018
MCD1283	5 N	N	N	no ID	Y	Y	26.06.2020
MCD1276	11 N	Y	N	ID	Y	Y	21.10.2015
MCD1271	0 N	N	Y	ID	Y	Y	15.06.2007
MCD1291	12 N	Y	Y	no ID	Y	Y	10.12.2020
MCD1302	9.8 N	N	N	no ID	Y	Y	16.01.2018
MCD1337	14 N	N	N	no ID	Y	Y	22.03.2018
MCD1340	10 Y	Y	N	no ID	Y	Y	06.08.2020
MCD1412	3 N	Y	N	no ID	Y	Y	27.08.2020
MCD1390	2.3 N	N	N	no ID	Y	Y	03.07.2013
MCD1385	0.5 N	N	Y	ID	Y	Y	05.03.2014
MCD1373	0.3 Y	N	N	no ID	Y	Y+VNS	02.02.2021
MCD1361	14 N	N	N	no ID	Y	Y	03.11.2020
MCD1355	13 Y	N	N	no ID	Y	Y	05.01.2021
MCD1274	4 Y	N	N	ID	Y	Y	27.10.2011
MCD1464	0.3 N	Y	Y	severe ID	Y	Y	22.11.2013
MCD1443	5 N	N	N	no ID	Y	Y	04.05.2021
MCD1395	1 N	N/A	N/A	no ID	Y	Y	15.04.2004
MCD1426	6.2 N	N	N	no ID	Y	Y	16.3.3021
9447	5 N	Y	N	ID	Y	Y	30.01.2020
MCD1349	4.5 N	N	N	ID	Y	Y	6.6.2019

epilepsy surgery	epilepsy surgery	epilepsy surgery	outcome	outcome_A ED	MRI diagnosis	MRI diagnosis	associated s	histopathology
					FCD, HEMI, LIS/PACHY, PMG, PVNH, SBH, complex MCD, MRI neg. FCD, HH			HEMI, FCD type I, FCD type IIa, type IIb, complex MCD, other, negative
FU_end_date	FU_length_months	FU_length_years	SF/nonSF	DF/AED			Y/N	
7.10.2021	1968.00	5.4	SF	DF	HEMI	HEMI	PROS	HEMI
7.10.2021	1696.00	4.6	SF	AED	FCD	FCD	N	FCD1
7.10.2021	4612.00	12.6	SF	AED	FCD	FCD	N	HEMI
7.10.2021	3843.00	10.5	nonSF	AED	FCD	FCD	N	FCD2A
7.10.2021	1045.00	2.9	SF	AED	HEMI	HEMI	N	HEMI
					MRI neg.	MRI neg.		
7.10.2021	4348.00	11.9	nonSF	AED	FCD	FCD	N	FCD1
7.10.2021	1605.00	4.4	SF	DF	HEMI	HEMI	N	HEMI
7.10.2021	5942.00	16.3	nonSF	AED	FCD	FCD	N	FCD2B
7.10.2021	1290.00	3.5	SF	DF	FCD	FCD	N	FCD2B
7.10.2021	513.00	1.4	SF	AED	FCD	FCD	N	FCD2A
	0.00	0.0						
24.06.2021	1093.00	3.0	SF	AED	FCD	FCD	N	FCD2B
					complex	complex		
7.10.2021	3775.00	10.3	SF	AED	MCD	MCD	N	complex MC
7.10.2021	1066.00	2.9	SF	DF	FCD	FCD	N	FCD2B
7.10.2021	1459.00	4.0	SF	DF	FCD	FCD	N	FCD2B
7.10.2021	738.00	2.0	SF	DF	FCD	FCD	N	FCD2B
7.10.2021	4383.00	12.0	SF	DF	FCD	FCD	N	FCD1
7.10.2021	4159.00	11.4	SF	AED	FCD	FCD	N	FCD2B
7.10.2021	500.00	1.4	SF	AED	FCD	FCD	N	FCD2A
7.10.2021	534.00	1.5	SF	AED	FCD	FCD	N	FCD2B
7.10.2021	632.00	1.7	SF	AED	FCD	FCD	N	FCD2A
7.10.2021	371.00	1.0	SF	AED	FCD	FCD	N	FCD2B
7.10.2021	702.00	1.9	SF	DF	FCD	FCD	N	FCD2B
1.6.2021	441.00	1.2	SF	AED	FCD	FCD	N	FCD2B
8.7.2021	3928	10.8	nonSF	AED	FCD	FCD	N	FCD2B
7.10.2021	667.00	1.8	SF	AED	FCD	FCD	N	FCD1
7.10.2021	961.00	2.6	SF	DF	FCD	FCD	N	FCD2B
					MRI neg.	MRI neg.		
7.10.2021	940.00	2.6	SF	AED	FCD	FCD	N	FCD1
						MRI neg.		
7.10.2021	3905.00	10.7	SF	AED	FCD	FCD	N	FCD1
						MRI neg.		
21.05.2021	1304.00	3.6	SF	AED	FCD	FCD	N	FCD2B
					MRI neg.	MRI neg.		
7.10.2021	751.00	2.1	SF	AED	FCD	FCD	N	FCD1
7.10.2021	1263.00	3.5	SF	DF	FCD	MRI neg. FCI	N	FCD2B
					MRI neg.			
7.10.2021	513.00	1.4	nonSF	AED	FCD	MRI neg. FCI	N	FCD1

					complex		
7.10.2021	369.00	1.0 nonSF	AED	FCD, PVNH	MCD	N	N/A
7.10.2021	394.00	1.1 SF	AED	FCD	FCD	N	FCD2B
7.10.2021	486.00	1.3 SF	AED	FCD	FCD	N	FCD2B
				MRI neg.	MRI neg.		
21.1.2021	975.00	2.7 SF	DF	FCD	FCD	N	FCD1
1.4.2021	716.00	2.0 SF	AED	porencephal	other	N	other
					complex		
7.10.2021	308.00	0.8 SF	AED	PVNH, FCD	MCD	N	FCD1
				MRI neg.	MRI neg.		
7.10.2021	226.00	0.6 SF	AED	FCD	FCD	N	FCD1
7.10.2021	4753.00	13.0 SF	AED	FCD	MRI neg. FCI	macroceph	FCD2A
7.10.2021	1472.00	4.0 SF	DF	FCD	MRI neg. FCI	N	FCD2B
14.12.2018	745	2.0 SF	AED	FCD	MRI neg. FCI	N	FCD2B
7.10.2021	1095.00	3.0 SF	DF	FCD	FCD	N	FCD2B
5.8.2021	405	1.1 SF	AED	FCD	FCD	N	negative
7.10.2021	2178.00	6.0 nonSF	AED	FCD	FCD	N	FCD1
7.10.2021	5228.00	14.3 nonSF	AED	FCD	FCD	N	FCD2B
24.09.2021	288.00	0.8 nonSF	AED	complex MC	complex MC	N	complex MC
7.10.2021	1360.00	3.7 SF	DF	FCD	FCD	N	FCD2B
18.06.2021	1184.00	3.2 nonSF	AED	FCD	FCD	N	FCD2B
					MRI neg.		
09.09.2021	399.00	1.1 SF	AED	MRI neg. FCI	FCD	N	FCD2B
05.10.2021	404.00	1.1 SF	AED	FCD	MRI neg. FCI	N	FCD1
7.10.2021	3018.00	8.3 SF	DF	FCD	FCD	N	FCD2B
7.10.2021	2773.00	7.6 nonSF	AED	FCD	FCD	N	FCD2B
7.10.2021	247.00	0.7 SF	AED	FCD	FCD	N	FCD2B
7.10.2021	338.00	0.9 SF	AED	encephaloc	other	N	FCD1
7.10.2021	275.00	0.8 SF	AED	FCD	FCD	N	FCD1
7.10.2021	3633.00	10.0 SF	DF	FCD	FCD	N	complex MC
7.10.2021	2876.00	7.9 nonSF	AED	FCD	FCD	N	FCD1
7.10.2021	156.00	0.4 SF	AED	FCD	FCD	N	FCD1
7.10.2021	6384.00	17.5 SF	AED	FCD	FCD	N	FCD1
7.10.2021	205.00	0.6 SF	AED	FCD	FCD	N	FCD2B
7.10.2021	616.00	1.7 nonSF	AED	MRI neg. FCI	MRI neg. FCI	N	FCD1
22.10.2021	869.00	2.4 SF	AED	MRI neg. FCI	MRI neg. FCI	N	FCD2B

[illegible]

[illegible]

segregation	method	method_specified	aCGH_done	method1	method2
de novo, inherited from affected parent, inherited from unaffected parent	TGP, open WES, WES-based VP	TGP63, TGP104, TGP113, open WES, WES-based VP	arrayCGH (Y/N)	TGP	WES_VP
N/A	TGP	TGP63	N		0 N/A
N/A	TGP	TGP63	N		0 N/A
N/A	TGP	TGP63	Y		0 N/A
inherited from affected parent	TGP	TGP63	N		1 N/A
N/A	TGP	TGP63	N		0 N/A
N/A	TGP	TGP63	Y		0 N/A
N/A	TGP	TGP63	Y		0 N/A
inherited from affected parent	TGP	TGP104	Y		1 N/A
N/A	TGP	TGP104	Y		0 N/A
inherited from affected parent	TGP	TGP104	N		1 N/A
inherited from unaffected parent					
N/A	TGP	TGP113	N		0 N/A
N/A	TGP	TGP113	N		0 N/A
N/A	TGP	TGP113	N		0 N/A
N/A	TGP	TGP113	Y		0 N/A
N/A	TGP	TGP113	Y		0 N/A
N/A	TGP	TGP113	N		0 N/A
N/A	TGP	TGP113	N		0 N/A
N/A	TGP	TGP113	N		0 N/A
N/A	TGP	TGP113	N		0 N/A
N/A	TGP	TGP113	N		0 N/A
inherited from unaffected parent	WES-based VP	WES-based VP240	N	N/A	1
N/A	WES-based VP	WES-based VP240	N	N/A	0
N/A	WES-based VP	WES-based VP240	N	N/A	0
N/A	WES-based VP	WES-based VP240	N	N/A	0
N/A	WES-based VP	WES-based VP240	N	N/A	0
N/A	WES-based VP	WES-based VP240	N	N/A	0
N/A	open WES	open WES	N	N/A	0
N/A	WES-based VP	WES-based VP240	N	N/A	0
N/A	WES-based VP	WES-based VP240	Y	N/A	0
N/A	open WES	open WES	N	N/A	0
N/A	WES-based VP	WES-based VP240	N	N/A	0
N/A	open WES	open WES	N	N/A	0

N/A	WES-based VP	WES-based VP240	N	N/A	0
inherited from unaffected parent	WES-based VP	WES-based VP240	Y	N/A	1
N/A	WES-based VP	WES-based VP240	N	N/A	0
N/A	open WES	open WES	N	N/A	0
N/A	WES-based VP	WES-based VP285	N	N/A	0
N/A	open WES	open WES	N	N/A	0
N/A	open WES	open WES	N	N/A	0
de novo	WES-based VP	WES-based VP382	N	N/A	1
N/A	WES-based VP	WES-based VP382	N	N/A	0
N/A	WES-based VP	WES-based VP382	N	N/A	0
N/A	WES-based VP	WES-based VP382	N	N/A	0
N/A	open WES	open WES	N	N/A	0
N/A	open WES	open WES	N	N/A	0
N/A	open WES	open WES	Y	N/A	0
N/A	open WES	open WES	Y	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	open WES	open WES	N	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	WES-based VP	WES-based VP366	Y	N/A	0
N/A	WES-based VP	WES-based VP366	Y	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	WES-based VP	WES-based VP366	N	N/A	0
N/A	open WES	open WES	Y	N/A	N/A
N/A	WES-based VP	WES-based VP366	N	N/A	0

method3	somatic_do	somatic_result	somatic_result	VAF
open_WES	aCGH result	Y, N, N/A		%
N/A	N/A	Y	NM_006218.2(PIK3CA):c.1633G>A	p.(Glu545Lys) 22.4
N/A	N/A	N		
N/A	neg.	N		
N/A	N/A	N		
N/A	N/A	Y	NM_004958.3(MTOR):c.5930C>A	p.(Thr1977Lys) 5.5
N/A	neg.	N		
N/A	neg.	Y		
N/A	neg.	N		
N/A	neg.	Y		
N/A	N/A	N		
N/A	N/A	N		
N/A	N/A	N		
N/A	N/A	Y		
N/A	neg.	Y		
N/A	neg.	Y		
N/A	N/A	N		
N/A	N/A	N		
N/A	N/A	Y	NM_004958.3(MTOR):c.6644C>T	p.(Ser2215Phe) 3
N/A	N/A	Y	NM_004958.3(MTOR):c.4379T>C	p.(Leu1460Pro) 4
N/A	N/A	N		
N/A	N/A	Y		
N/A	N/A	N		
N/A	N/A	Y		
N/A	N/A	N		
N/A	N/A	Y	NM_001032289.2(SLC35A2):c.265C>T	p.(Gln89*) 6
N/A	N/A	Y		
	0 N/A	Y		
N/A	N/A	N		
N/A	neg.	N		
	0 N/A	Y		
N/A	N/A	Y		
	0 N/A	N		

N/A	N/A	N
N/A	neg.	Y
N/A	N/A	Y
	0 N/A	N
N/A	N/A	N
	0 N/A	Y
	0 N/A	Y
N/A	N/A	N
N/A	N/A	Y
N/A	N/A	N
N/A	N/A	Y
	0 N/A	N
	0 N/A	N
	0 neg	N
	0 neg.	Y
N/A	N/A	N
N/A	N/A	N
	0 N/A	Y
N/A	N/A	N
N/A	N/A	N
N/A	N/A	N
N/A	N/A	Y
N/A	N/A	N
N/A	N/A	Y
N/A	neg	N
N/A	neg	N
N/A	neg.	N
N/A	N/A	N
N/A	N/A	Y
	0 neg.	Y
N/A	N/A	N

not present in blood

not present in blood

not present in blood
not present in blood

not present in blood

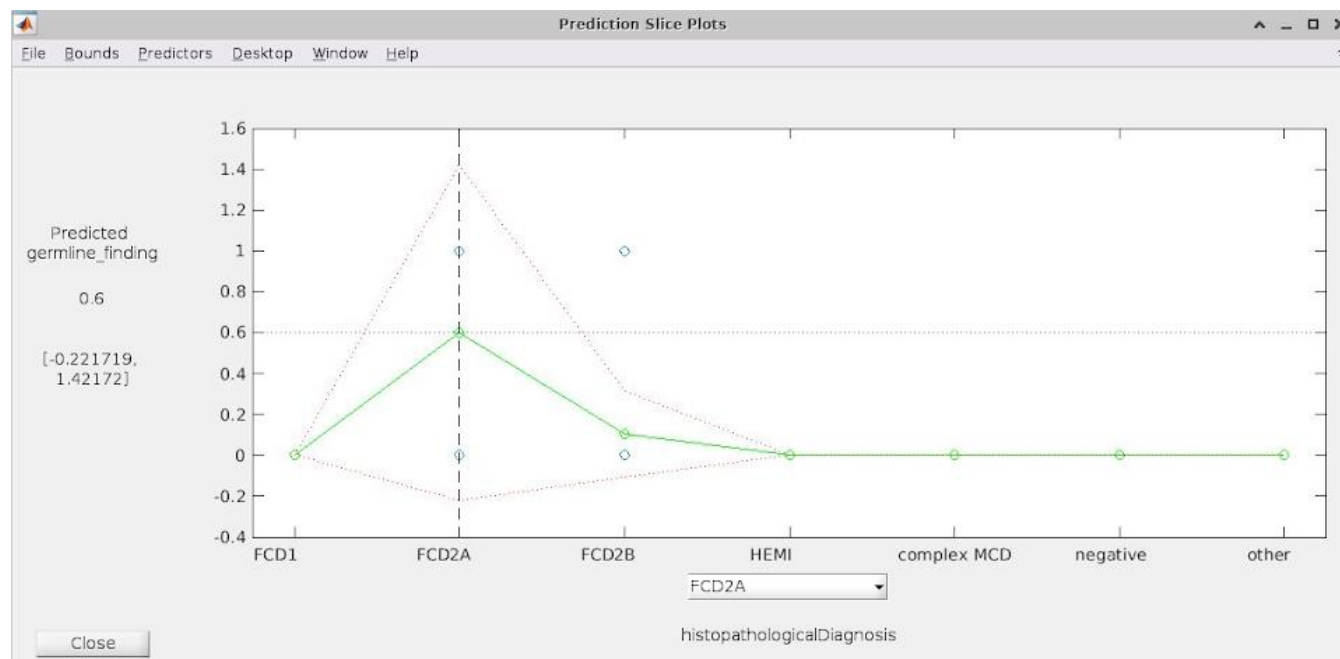
feature	p	df	odds nebo w		
age At Epilepsy OnsetageAtEpilepsyOnset	0.0540127	114	0.0238968	NaN	NaN
familyHistoryOfEpilepsy	0.563675	116	1.5	0.517374	4.34888
perinatalRisks	0.0772546	121	0.301349	0.0838222	1.08338
developmentalDelay1YearOfAge	0.0033245	120	4.03676	1.58874	10.2568
IntellectualDeficit	0.0082667	120	NaN	NaN	NaN
drugresistantEpilepsy	0.298693	114	3.5	0.434167	28.2149
MRIDiagnosis	0.0240714	122	NaN	NaN	NaN
MRIDiagnosis1	0.0307405	122	NaN	NaN	NaN
histopathologicalDiagnosis	0.00877811	60	NaN	NaN	NaN
epilepsy	0.0105216	122	7.46032	1.65218	33.6867

Generalized linear regression model:
P(germline_finding='positive') ~ 1 + histopathologicalDiagnosis
Distribution = Binomial

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	-1.9127e-16	3.4186e-09	-5.595e-08	1
histopathologicalDiagnosis_FCD2A	0.6	0.21909	2.7386	0.0061699
histopathologicalDiagnosis_FCD2B	0.10345	0.056552	1.8292	0.067362
histopathologicalDiagnosis_HEMI	-3.7816e-17	8.1974e-09	-4.6132e-09	1
histopathologicalDiagnosis_complex MCD	-5.9212e-17	1.1077e-08	-5.3453e-09	1
histopathologicalDiagnosis_negative	-8.5936e-17	1.5288e-08	-5.6211e-09	1
histopathologicalDiagnosis_other	2.6252e-17	1.5288e-08	1.7171e-09	1

61 observations, 54 error degrees of freedom
Dispersion: 1
Chi^2-statistic vs. constant model: 13.2, p-value = 0.04



Generalized linear regression model:
 $P(\text{germline_finding}=\text{'positive'}) \sim 1 + \text{IntellectualDeficit} + \text{epilepsy}$
 Distribution = Binomial

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.26935	0.074715	3.605	0.00031213
IntellectualDeficit_no ID	-0.1752	0.082635	-2.1201	0.033995
IntellectualDeficit_severe ID	0.083592	0.1379	0.60618	0.54439
epilepsy_no	0.50239	0.17515	2.8683	0.0041274

121 observations, 117 error degrees of freedom
 Dispersion: 1
 Chi^2-statistic vs. constant model: 17, p-value = 0.000692

