Supplementary Table 2. Spectrin genetic variants associated with neurological disorders.

Gene	Human variant	Refs
SPTAN1	R19W	98
	G91K	124
	R139*	94
	G178D	130
	A306V	130
	R566P	122
	A858S	133
	S899C	137
	A927_K1002del	130
	R984*	135
	R1098S	136
	R1098C	98
	H1239R	130
	I1388V	134
	A1428G	133
	Q1539*	94
	R1610W	130
	D1616N	132
	R1624C	98
	R1776W	130
	Q2035*	126, 128
	R2062W	130
	K2083del	98
	V2123Cfs*45	96
	Q2149*	94
	N2186Rfs*82	136
	Q2202del	122
	Q2205P	98
	E2207del	120, 130
	N2208del	130
	R2229_T2230insSALHR	135
	R2261*	95
	E2270del	121
	E2271K	130
	D2284del	130
	D2303_L2305dup	122, 127, 130
	D2303_L2305del	130, 136
	Q2304_G2306del	130
	Q2304_G2306dup	125

	R2308_M2309dup	120, 130, 131
	Q2316P	129
	M2330I	133
SPTBN1	T59I	42
	I159_Q160del	42
	C183*	42, 101
	c.567-2_584delins17	101
	Y190_R216del	42, 101
	G205S	42, 101
	G205D	42
	L247H	42
	L250R	42
	c.763+1G>A	101
	D255E	42
	T268S	42
	T268N	42
	T268A	42
	V271M	42
	H275R	42
	F344L	42
	R411W	42
	R411Q	42
	E491Q	42
	A850G	42
	E892*	42
	R1003W	42
	A1086T	42
	E1110D	42
	Y1303*	101
	G1398S	42
	S1674P	42
	W1787*	42
	D1881N	101
	E1886Q	42
	I1988Afs90*	42
	T62I	110
	T62N	112
	K65E	113
	F160C	110
	I162M	141
	L253P	75
	D255G	113
	T271I	151
	Y272H	110
	H278R	150
	R414C	147

SPTBN2	R437W	110
	R437Q	110, 144, 145
	R437G	111
	T472M	140
	R480W	107, 108, 109, 143
	F515L	152
	E532_M544del	75
	K551_Q1426del	112
	C627*	105
	L629_R634delinsW	75
	R721S	148
	T820M	148
	E870del	142
	R883L	141
	T955Sfs*120	149
	W2065*	110
	c.6375-1G>C	146
SPTBN4	R246P	160
	N384Qfs*17	160
	L417Yfs*5	160
	R504Q	115
	Q533*	158
	Q605*	115
	W903*	115
	D1126Tfs*39	160
	H1132Tfs*39	162
	Q1274*	115
	Q1277Rfs*4	115
	c.3949-1G>A	159
	R2006*	161
	A2145T	163
	R2435C	115
	A2485Lfs*31	115