

Panels used for analysis of Neuromuscular gene panel (Neuro v6)

Ataxia			
ABCB7	DOCK3	MTPAP	SLC1A3
ABHD12	EBF3	MYO19	SLC9A1
ADPRS	EEF2	NGLY1	SNX14
AFG3L2	ELOVL4	NKX6-2	SPG7
ANO10	ELOVL5	NOP56	SPTBN2
APTX	EP300	NOVA2	STUB1
ATCAY	FAT1	NUBPL	SVBP
ATM	FAT2	OPA1	SYNE1
ATP1A3	FGF14	OTUD4	SYT14
ATP2B3	FLVCR1	PDHA1	TBCE
ATP8A2	FXN	PDYN	TBP
BEAN1	GALC	PIGS	TDP1
BRAT1	GDAP2	PIK3R5	TDP2
CA8	GOSR2	PLD3	TGM6
CACNA1A	GRID2	PMPCA	THG1L
CACNA1G	GRM1	PNKP	TMEM240
CACNB4	GRN	POLG	TOMM70
CAMTA1	HEXA	POLR3A	TPP1
CCDC88C	HEXB	PPP2R2B	TSFM
CHP1	IRF2BPL	PRKCG	TTBK2
CLCN2	ITPR1	PUM1	TTPA
CLN6	KCNA1	RNF170	VAMP1
CLPP	KCNC3	RNF216	VLDR
COA7	KCND3	RUBCN	VPS13D
COQ5	KIF1C	SACS	WDR81
COQ8A	KIF26B	SCYL1	WVOX
CWF19L1	MME	SETX	XRCC1
CYP27A1	MMP8	SIL1	
DNMT1	MRE11A	SLC17A5	

CMT				
AARS1	DST	HSPB1	NEFL	SLC25A46
ABHD12	DYNC1H1	HSPB3	NEMF	SLC5A7
ADPRS	EGR2	HSPB8	NGF	SORD
AIFM1	ELP1	IGHMBP2	NTRK1	SOX10
ARHGEF10	FBLN5	INF2	PKD3	SPG11
ATL1	FBXO38	KARS1	PDXK	SPTAN1
ATL3	FOX2	KIF1A	PLEKHG5	SPTBN4
ATP1A1	FGD4	KIF1B	PMP22	SPTLC1
BSCL2	FIG4	KIF5A	PMP22	SPTLC2
C10RF194	FLVCR1	LITAF	PRDM12	SPTLC3
CAPRN1	GALC	LMNA	PRPS1	SURF1
CCT5	GAN	LRSAM1	PRX	SYT2
CD59	GARS1	MARS1	RAB7A	TFG
COA7	GBE1	MCM3AP	REEP1	TRIM2
COX6A1	GBF1	MED25	RETREG1	TRPA1
CTDP1	GDAP1	MFN2	SBF1	TRPV4
DCAF8	GJB1	MME	SBF2	TTR
DCTN1	GJB3	MORC2	SCN10A	TUBB3
DGAT2	GLA	MPZ	SCN11A	UBA5
DHTKD1	GNB4	MTMR2	SCN9A	VCP
DNAJB2	GSN	MYH14	SCO2	WARS1
DNAJB5	HARS1	MYH7	SEPTIN9	WNK1
DNM2	HINT1	NAGLU	SGPL1	YARS1
DNMT1	HK1	NDRG1	SH3TC2	
DRP2	HOXD10	NEFH	SLC12A6	

Dystonia / Parkinsons		
ACTB	HPCA	SLC2A1
ADCY5	HTRA2	SLC30A10
ANO3	IRF2BPL	SLC39A14
ATAD1	KCNMA1	SLC6A3
ATP13A2	KCNN2	SLC6A5
ATP1A3	KCTD17	SNCA
BCAP31	KMT2B	SPR
CACNA1B	LRRK2	SYNJ1
CHCHD2	MECR	TAF1
DNAJC6	MICU1	TBC1D24
DRD2	NKX2-1	TH
ECHS1	NUBPL	THAP1
EIF4G1	PARK7	TOMM70
FBXO7	PDE2A	TOR1A
GBA	PINK1	TOR1AIP1
GCH1	PLA2G6	TUBB4A
GIGYF2	PNKD	UCHL1
GLRA1	PRKN	VPS13A
GLRB	PRKRA	VPS13C
GNAL	PRRT2	VPS16
GNAO1	SGCE	VPS35
HEXA	SLC20A2	VPS41
HEXB		

FHM		
ATP1A2	CACNA1A	SCN1A

HSP			
ABCD1	DDHD2	KLC2	SLC16A2
ADAR	DNM2	KLC4	SLC1A4
ADD3	DNMT1	L1CAM	SLC33A1
AFG3L2	DSTYK	LYST	SOX10
ALDH18A1	ENTPD1	MAG	SPART
ALDH3A2	ERLIN1	MAPK8IP3	SPAST
ALS2	ERLIN2	MARS1	SPG11
AMPD2	EXOSC3	MARS2	SPG21
AP4B1	FA2H	MTPAP	SPG7
AP4E1	FARS2	NEFL	SPTAN1
AP4M1	FLRT1	NIPA1	STUB1
AP4S1	GAD1	NKX6-2	SVBP
AP5Z1	GALC	NOVA2	TBCE
ARL6IP1	GBA2	NT5C2	TECPR2
ARSI	GJC2	PCYT2	TFG
ATL1	GLRX5	PEX10	TPP1
ATP13A2	GPT2	PGAP1	TREX1
ATP1A1	GRN	PLA2G6	TUBB4A
ATP2B4	HACE1	PLP1	UBAP1
ATP6AP2	HEXA	PNPLA6	UCHL1
B4GALNT1	HEXB	POLR3A	UNC79
BSCL2	HSPD1	RAB3GAP2	UNC80
C12orf65	IBA57	REEP1	USP8
C19orf12	IFIH1	REEP2	VAMP1
CACNA1E	IRF2BPL	RNASEH2B	VPS37A
CAPN1	KANK1	RTN2	WASHC5
CCT5	KIDINS220	SACS	WDR48
CPT1C	KIF1A	SAMHD1	ZFR
CYP2U1	KIF1C	SARS2	ZFYVE26
CYP7B1	KIF5A	SELENOI	ZFYVE27
DDHD1			

IBGC		
JAM2	NRROS	PDGFRB
JAM3	OCLN	SLC20A2
MYORG	PDGFB	XPR1

Leukodystrophy		
AARS2	EIF2B1	PANK2
ABCD1	EIF2B2	PDCD10
ACTA2	EIF2B3	PLA2G6
AIMP1	EIF2B4	PLP1
AIMP2	EIF2B5	POLR1C
APP	EPRS1	POLR3A
ARSA	FAM126A	POLR3B
ASPA	FTL	PSAP
C19orf12	GALC	PYCR2
CCM2	GFAP	RARS1
CHD4	GJC2	REPS1
CLCN2	GLA	RNASET2
CNOT3	GUCY1A1	RNF213
COASY	HEPACAM	RPIA
COL4A1	HIKESHI	SETD5
COL4A2	HSPD1	TMEM106B
CRAT	HTRA1	TMEM63A
CSF1R	KARS1	TREX1
CST3	KRIT1	TUBB4A
DARS2	LMNB1	UBTF
DEGS1	MLC1	UFM1
EIF2AK1	NAXD	VPS11
EIF2AK2	NOTCH3	WDR45

MND / SMA	
AIFM1	MATR3
ALS2	NEK1
ANG	OPTN
ANXA11	PFN1
ASAH1	PLEKHG5
ASCC1	PRPH
ATP7A	SETX
BICD2	SIGMAR1
CHCHD10	SLC52A1
CHMP2B	SLC52A2
DCTN1	SLC52A3
DNAJB2	SOD1
DYNC1H1	SPG11
ERBB4	SQSTM1
EXOSC8	TARDBP
EXOSC9	TBCE
FIG4	TBK1
FUS	TRIP4
GLT8D1	TRPV4
HEXA	TUBA4A
HEXB	UBA1
HNRNPA1	UBQLN2
HNRNPA2B1	VAPB
IGHMBP2	VCP
LAS1L	VRK1

Neurodegeneration (AD/FTD/CAA/NP)	
APP	NPC2
CHCHD10	PRNP
CHMP2B	PSEN1
CST3	PSEN2
CYLD	SMPD1
FUS	SQSTM1
GBE1	TARDBP
GRN	TBK1
ITM2B	TUBA4A
MAPT	VCP
NPC1	

Rett syndrome	
CDKL5	
FOXG1	
GABBR2	
MECP2	
SMC1A	