

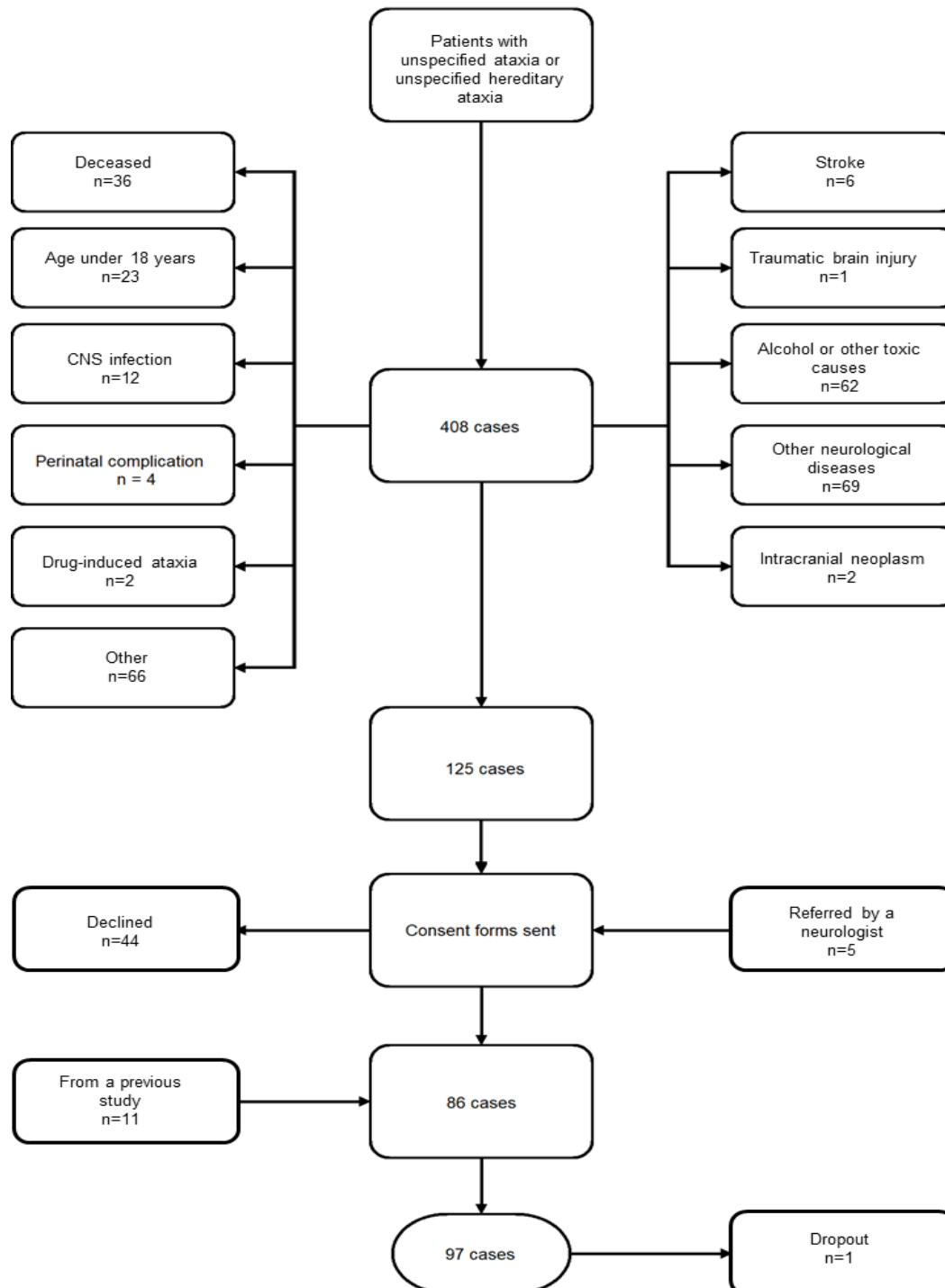
Molecular epidemiology of hereditary ataxia in Finland

Additional file

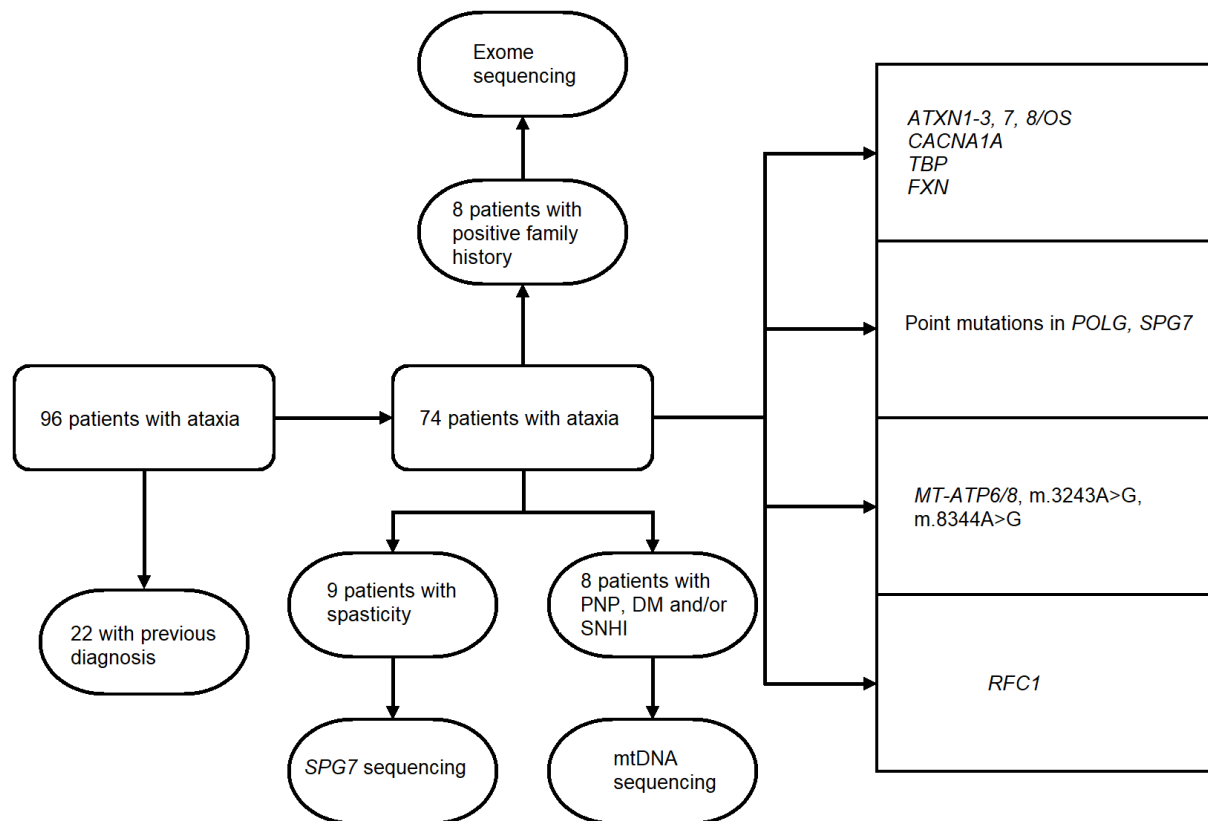
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Additional figure 1. Selection criteria of the patients.



Additional figure 2. Genetic investigations of the patients.



DM, diabetes mellitus; PNP, polyneuropathy; SNHI, sensorineural hearing impairment.

Additional table 1. List of 562 genes analyzed from exome sequencing data

AAAS	ATP5C	CASK	CSTB	ERCC5	HARS2	MAG
AARS2	ATP5D	CAV1	CTBP1	ERCC6	HEPACAM	MAN2B
ABCB7	ATP5E	CC2D2A	CTC1	ERLIN1	HERC1	MAPK10
ABCD1	ATP5F1	CCDC88C	CTDP1	ERLIN2	HEXA	MARS2
ABHD12	ATP5G1	CDKL5	CTSA	ETHE1	HEXB	ADSSL1
ACO2	ATP5G2	ADA2	CTSD	EXOSC3	HIBCH	MECP2
COQ8A	ATP5G3	CEP41	CTSF	FA2H	HLCS	MECR
ADSL	ATP5H	CEP104	CUL4B	FARS2	HNRNPH2	MFSD8
AFG3L2	ATPIF1	CEP120	CWF19L1	FASTKD2	HSD17B4	MGME1
AHI1	ATP5I	CEP290	CYC1	FBXL4	HSPD1	MKKS
ALDH18A1	ATP5J	CHAMP1	CYP2U1	FDXR	HTRA1	MKS1
ALDH5A1	ATP5J2	CHCHD10	CYP27A1	FGF12	IBA57	MLC1
ALG6	ATP5MPL	CHMP1A	CYP7B1	FGF14	IFT140	MMADHC
ALS2	ATP5O	CLCN2	DARS2	FKRP	INPP5E	MME
AMACR	ATP7B	CLN5	DBT	FKTN	ISPD	MPDU1
ANO10	ATP8A2	CLN6	DCX	FLVCR1	ITM2B	MPV17
AP1S2	ATPAF2	CLN8	DDHD1	FMR1	ITPR1	MPZ
AP4B1	AUH	CLPB	DDHD2	FOLR1	KCNA1	MRE11
AP4E1	B4GALNT1	CLPP	DGAT2	FOXG1	KCNA2	MSTO1
AP4M1	B9D1	COA5	DKC1	FOXRED1	KCNC1	MTFMT
AP4S1	BBS1	COASY	DLAT	FTL	KCNC3	MTPAP
AP5Z1	BBS2	COG4	DLD	FXN	KCND3	MTTP
NAXE	BBS4	COL18A1	DMXL2	GABRB3	KCNJ10	MVK
APOB	BBS5	COQ2	DNAJC19	GALC	KCNQ2	NDUFA10
APOPT1	BBS7	COQ4	DNAJC3	GAMT	KCTD7	NDUFA11
APTXX	BBS9	COQ6	DNAJC5	GAN	WASHC5	NDUFA12
ARL6	BBS10	COQ9	DNM2	GBA2	KIAA0556	NDUFA2
ARL13B	BBS12	COX10	DNMT1	GBE1	KIAA0586	NDUFA9
ARL6IP1	BCKDHA	COX15	DOCK3	GCH1	KIDINS220	NDUFAB1
ARMC9	BCKDHB	COX20	DPM1	GCLC	KIF1A	NDUFAB1
ARSA	BCS1L	COX4I1	DYNC1H1	GFAP	KIF1B	NDUFAB2
ARV1	BEAN1	COX4I2	EBF3	GJA1	KIF1C	NDUFAB4
ARX	BRAT1	COX5A	EEF2	GJB1	KIF5A	NDUFAB5
ASL	BSCL2	COX5B	EIF2B1	GJC2	KIF7	NDUFAB6
ASS1	BTBD	COX6A2	EIF2B2	GLB1	KY	NDUFB1
ATCAY	C5ORF42	COX6B1	EIF2B3	GMPPB	L1CAM	NDUFB2
ATG5	TWINK	COX6B2	EIF2B4	GOSR2	L2HGDH	NDUFB3
ATL1	C12orf65	COX6C	EIF2B5	GPAA1	LAMA1	NDUFB4
ATM	C19orf12	COX7A1	ELOVL4	GPI	LARS2	NDUFB6
ATM	C5orf42	COX7A2	ELOVL5	ADGRG1	LARGE	NDUFB7
ATP1A2	CA8	COX7B2	ENTPD1	GRID2	LIG4	NDUFB8
ATP1A3	CACNA1A	COX7C	EOMES	GRM1	LMNB1	NDUFB9
ATP13A2	CACNA1G	CP	EPM2A	GRN	LMNB2	NDUFB10
ATP2B3	CACNB4	CPS1	SELENOI	GSS	LRP4	NDUFB11
ATP5A	CAMTA1	CPT1C	ERCC3	HACE1	LRPPRC	NDUFC1
ATP5B	CAPN1	CSPP1	ERCC4	HARS	LRSAM1	NDUFC2

Additional table 1 continues.

NDUFS1	PGM3	RNASEH1	SLC6A1	TMEM216	WWOX
NDUFS2	PHYH	RNASET2	SLC6A19	TMEM231	XPA
NDUFS3	PIBF1	RNF168	SLC9A1	TMEM237	XRCC1
NDUFS4	PIEZO2	RNF170	SLC9A6	TMEM240	XRCC4
NDUFS6	PIGG	RNF216	SNAP25	TPK1	YME1L1
NDUFS7	PIK3R5	ROGDI	SNX14	TPP1	ZFYVE26
NDUFS8	PLA2G6	RPGRIP1L	SOD1	TRAPPC11	ZIC1
NDUFV1	PLP1	RRM2B	SOX10	TRIM32	ZIC4
NDUFV2	PMM2	RTN2	SPAST	TRNT1	ZNF423
NDUFV3	PMP22	RTN4IP1	SPG11	TRPC3	ZNF592
NF2	PMPCA	RUBCN	SPG20	TSEN2	
NHLRC1	PNKD	SACS	SPG21	TSEN34	
NIPA1	PNKP	SAMD9L	SPG7	TSEN54	
NKX2-1	PNP	SARS	SPR	TSFM	
NKX6-2	PNPLA6	SCARB2	SPTAN1	TTBK2	
NOL3	PNPLA6	SCN1A	SPTBN2	TTC8	
NPC1	POLG	SCN2A	SQSTM1	TTC19	
NPC2	POLR1A	SCN8A	STUB1	TTC21B	
NPHP1	POLR1C	SCO1	STXBP1	TTPA	
NT5C2	POLR3A	SCYL1	SUCLG1	TTR	
NUBPL	POLR3B	SDHA	SUFU	TUBA1A	
NUP62	POMGNT1	SDHAF1	SUMF1	TUBB	
OFD1	POMGNT2	SDHB	SUOX	TUBB4A	
OPA1	POMT1	SDHC	SURF1	TYMP	
OPA3	POMT2	SDHD	SYNE1	UCHL1	
OPHN1	PPP2R2B	SEPSECS	SYT14	UQCR10	
OTC	PPT1	SERAC1	TACO1	UQCR11	
OTUD4	PRDM8	SETX	TBC1D23	UQCRB	
PANK2	PRF1	SH3TC2	TBC1D24	UQCRC1	
PAX6	PRICKLE1	SIL1	TBCE	UQCRC2	
PC	PRICKLE2	SLC1A3	TCF4	UQCRFS1	
PCDH19	PRKCG	SLC13A5	TCTN1	UQCRH	
PDE6D	PRNP	SLC16A2	TCTN2	UQCRQ	
PDHA1	PRPS1	SLC17A5	TCTN3	UROC1	
PDHB	PRRT2	SLC19A2	TDP1	VAMP1	
PDSS1	PRX	SLC19A3	TDP2	VARA2	
PDSS2	PSAP	SLC2A1	TECPR2	VLDLR	
PDYN	PSEN1	SLC9A6	TELO2	VRK1	
PET100	PTRH2	SLC20A2	TFG	VWA3B	
PEX1	PTS	SLC25A46	TGM6	WARS2	
PEX10	PUM1	SLC30A9	TH	WDPCP	
PEX16	RARS	SLC33A1	THG1L	WDR26	
PEX2	RARS2	SLC39A4	TINF2	WDR62	
PEX26	REEP1	SLC46A1	TMEM67	WDR73	
PEX7	RELN	SLC52A2	TMEM70	WDR81	
PGK1	RFT1	SLC52A3	TMEM107	WFS1	