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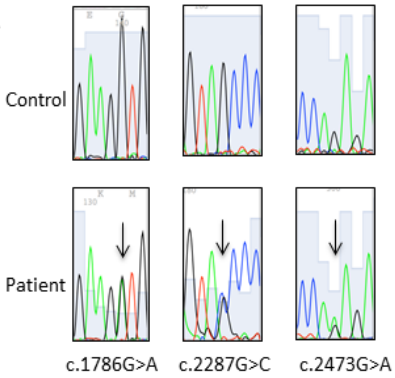
Title	Hereditary leukoencephalopathy with axonal spheroids: a spectrum of phenotypes from CNS vasculitis to parkinsonism in an adult onset leukodystrophy series
Authors	Lynch, David S.;Jaunmuktane, Zane;Sheerin, Una-Marie;Phadke, Rahul;Brandner, Sebastian;Milonas, Ionnis;Dean, Andrew;Bajaj, Nin;McNicholas, Nuala;Costello, Daniel J.;Cronin, Simon;McGuigan, Chris;Rossor, Martin;Fox, Nick;Murphy, Elaine;Chataway, Jeremy;Houlden, Henry
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University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

Supplementary Figure 1. (A) Sequence chromatograms illustrating V596M, A763P and E825K mutations. (B) Multiple species alignment showing conservation of residues for 3 novel mutations.

A



B

	V596M mutation		A763P mutation		E825K mutation	
	F G K **M** V E A		S Q V **P** Q G M		M A P **K** S I F	
human	F G K **V** V E A		S Q V **A** Q G M		M A P **E** S I F	
rhesus	F G K **V** V E A		S Q V **A** Q G M		M A P **E** S I F	
mouse	F G K **V** V E A		S Q V **A** Q G M		M A P **E** S I F	
zebrafish	F G K **V** V E A		S Q V **A** Q G L		M A P **E** S I F	
lamprey	F G Q **V** V E A		H Q V **A** L G M		M A P **E** S I F	
Polyphen-2	Probably Damaging	1.000	Probably Damaging	1.000	Probably Damaging	1.000
Provean	Deleterious	-4.07	Deleterious	-2.53	Deleterious	-3.26