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# MJD iPSC

## IDENTIFICATION

Causal gene(s)	ATXN3
Repeat size or mutation	18/79 CAG
Cell type	hiPSC

## DONOR INFORMATION

Donor gender	Female
Age at disease onset (years)	22
Age at collection (years)	31

## SOURCE & PUBLICATIONS

Originating lab / institution	University of Coimbra
Links to publications or public resources	<p>Establishment and characterization of human pluripotent stem cells-derived brain organoids to model cerebellar diseases - PubMed <a href="https://pubmed.ncbi.nlm.nih.gov/35869235/">https://pubmed.ncbi.nlm.nih.gov/35869235/</a></p> <p>Graft-derived neurons and bystander effects are maintained for six months after human iPSC-derived NESC transplantation in mice's cerebella - PubMed <a href="https://pubmed.ncbi.nlm.nih.gov/38332227/">https://pubmed.ncbi.nlm.nih.gov/38332227/</a></p> <p>Autophagy- and oxidative stress-related protein deregulation mediated by extracellular vesicles of human MJD/SCA3 iPSC-derived neuroepithelial stem cells and differentiated neural cultures - PubMed <a href="https://pubmed.ncbi.nlm.nih.gov/40374597/">https://pubmed.ncbi.nlm.nih.gov/40374597/</a></p>