Cell Lines SCA3 Publication

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	Establishment and characterization of human pluripotent stem cells-derived brain organoids to model cerebellar diseases - PubMed https://pubmed.ncbi.nlm.nih.gov/35869235/ Graft-derived neurons and bystander effects are maintained for six months after human iPSC-derived NESC transplantation in mice's cerebella - PubMed https://pubmed.ncbi.nlm.nih.gov/38332227/ 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 https://pubmed.ncbi.nlm.nih.gov/40374597/