

Sendai virus reprogrammed iPSC Lines

Line	Clone #	Sex	GAA repeat number in fibroblasts	GAA repeat number in iPSCs	Karyotype data	Karyotype passage
CTRL 3348	6	M	Control size	Control size	Yes, normal	p11
CTRL 7522	5	F	Control size	Control size	Yes, normal	p15
CTRL 7522	12	F	Control size	Control size	Yes, normal	p13
CTRL 6718	1	M	Control size	Control size	Yes, normal	p4
CTRL 6718	6	M	Control size	Control size	Yes, normal	p4
CTRL 6719	1	F	Control size	Control size	Yes, normal	p4
CTRL 6719	2	F	Control size	Control size	Yes, normal	p4
FRDA 4230	3	F	870/1470	400/1470	Yes, normal	p9
FRDA 4230	21*	F	870/1470	830/830	Yes, CGH; normal	p14
FRDA 4259	11*	M	404/920	550/830	Yes, normal	p17
FRDA 281	5	M	630/806	760/900	Yes, CGH; normal	p17
FRDA 4676	2*	M	797/797	867/867	Yes, normal	p4
FRDA 4676	3	M	797/797	842/842	Yes, normal	p5
FRDA 86	0*	F	367/780	450/450	Yes, normal	p8
FRDA 4041	4	M	553/806	656/983	Yes, normal	p4
FRDA 4041	5	M	553/806	568/680	Yes, normal	p4
FRDA 4193	1	F	650/719	476/792	Yes, normal	p4
FRDA 4193	2*	F	650/719	506/812	Yes, normal	p4
FRDA 4090	1	F	541/783	617/877	Yes, normal	p4
FRDA 4090	3	F	541/783	666/900	Yes, normal	p4

* Clone used for CRISPR/Cas9 editing of GAA repeats

Isogenic iPSC lines

Line	Clone #	Sex	GAA excision confirmed by NGS	FXN mRNA restored	FXN protein restored	Karyotype data	Karyotype passage
86 GAA homo-del	27	F	Yes	Yes	Yes	Yes ^a	p5
4676 GAA homo-del	2B1	M	Yes	Yes	Yes	Yes, normal	p6
4676 GAA homo-del	2D3	M	Yes	Yes	Yes	Yes, normal	p6
4259 GAA homo-del	3C7	M	Yes	Yes	Yes	Yes, normal	p9
4259 GAA homo-del	3B12	M	Yes	Yes	Yes	Yes ^b	p5
4193 GAA homo-del	2C2	F	Yes	Yes	Yes	Yes, normal	p3
4193 GAA homo-del	5B9	F	Yes	Yes	Yes	Yes, normal	p3
4230 GAA homo-del	1A11	F	Yes	Yes	Yes	Yes, normal	p4
4230 GAA homo-del	1B4	F	Yes	Yes	Yes	Yes, normal	p4

a – nonclonal trisomy 12 detected in 1 out of 20 cells

b - possibility of microduplication of 20q11.2 (CGH array)