

Sendai virus reprogrammed iPSC Lines

	Line	Clone#	Sex	GAA repeat number in fibroblasts	GAA repeat number in iPSCs	Earliest passage	Karyotype data	Karyotype passage
1	CTRL 3348	6	M	Control size	Control size	P5	Yes, normal	P11
2	CTRL 7522	5	F	Control size	Control size	P9	Yes, normal	P15
3	CTRL 6718	1	M	Control size	Control size	P2	Yes, normal	P4
4	CTRL 6718	6	M	Control size	Control size	P2	Yes, normal	P4
5	CTRL 6719	1	F	Control size	Control size	P2	Yes, normal	P4
6	CTRL 6719	2	F	Control size	Control size	P2	Yes, normal	P4
7	FRDA 4230	21	F	870/1470	830/830	P11	Yes, CGH normal	P14
8	FRDA 4259	11	M	404/920	550/830	P13	Yes, normal	P17
9	FRDA 281	5	M	630/806	760/900	P14	Yes, CGH normal	P17
10	FRDA 4676	2	M	797/797	867/867	P1	Yes, normal	P4
11	FRDA 86	0	F	367/780	450/450	P9	Yes, normal	P8
12	FRDA 4041	4	M	553/806	750/1145	P2	Yes, normal	P4
13	FRDA 4041	5	M	553/806	604/734	P2	Yes, normal	P4
14	FRDA 4193	1	F	650/719	522/875	P2	Yes, normal	P4
15	FRDA 4193	2	F	650/719	489/832	P2	Yes, normal	P4

Isogenic iPSC lines

	Line	Clone#	Sex	GAA excision confirmed by NGS	<i>FXN</i> mRNA restored	<i>FXN</i> protein restored	Earliest passage	Karyotype data	Karyotype passage
1	86 GAA homo-del	27	F	Yes	Yes	Yes	P6	Yes ^a	P5
2	4676 GAA homo-del	2B1	M	Yes	Yes	Yes	P3	Yes, normal	P6
3	4676 GAA homo-del	2D3	M	Yes	Yes	Yes	P2	Yes, normal	P6
4	4259 GAA homo-del	3C7	M	Yes	Yes	Yes	P2	Yes, normal	P9
5	4259 GAA homo-del	3B12	M	Yes	Yes	Yes	P4	Yes ^b	P5

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

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