

Table A. Description of the starters used for amplification of STR markers.

STR marker	dye	Starters 5'-3'
THO1	6-FAM	F: -6-FAM-CCTGTTCCCTCCCTTATTTCCC R: GGGAACACAGACTCCATGGTG
D21S11	HEX	F: HEX-ATTCCCCAAGTGAATTGC R:GGTAGATAGACTGGATAGATAGACGA
CSF1PO	HEX	F: HEX-ACAGTAACTGCCTTCATAGATAG R: GTGTCAGACCCTGTTCTAAGTA

6-FAM (6-carboxyfluorescein; blue dye), HEX (hexachloro-fluorescein; green dye). F - forward primer, R - reverse primer

Table B. STR-based nuclear profiles of fibroblasts, cybrids and ρ0 143B cell lines.

	Fibroblasts		Cybrids		ρ0 143B	
LH.1						
THO1	9	9.3	8	9.3	8	9.3
D21S11	27.2	24.2	28.2	28.2	28.2	28.2
CSF1PO	11.2	12.3	10.3	12.3	10.3	12.3
LH.2						
THO1	6	9.3	8	9.3	8	9.3
D21S11	27	28.2	28.2	28.2	28.2	28.2
CSF1PO	11.2	12.3	10.3	12.3	10.3	12.3
LH.3						
THO1	9	9.3	8	9.3	8	9.3
D21S11	27.2	29.2	28.2	28.2	28.2	28.2
CSF1PO	10.3	12.3	10.3	12.3	10.3	12.3
LH.4						
THO1	6	9	8	9.3	8	9.3
D21S11	27.3	29.2	28.2	28.2	28.2	28.2
CSF1PO	10.3	11.2	10.3	12.3	10.3	12.3
C.1						
THO1	6	8	8	9.3	8	9.3
D21S11	32	32	28.2	28.2	28.2	28.2
CSF1PO	11.2	12.3	10.3	12.3	10.3	12.3
C.2						
THO1	6	9.3	8	9.3	8	9.3
D21S11	27.2	32	28.2	28.2	28.2	28.2
CSF1PO	10.3	12.3	10.3	12.3	10.3	12.3
C.3						
THO1	6	9.3	8	9.3	8	9.3
D21S11	28.2	33	28.2	28.2	28.2	28.2
CSF1PO	10.3	11.2	10.3	12.3	10.3	12.3

THO1, D21S11 and CSF1PO are STR markers used to produce nuclear profiles. Numbers represent alleles for each marker. LH.1-LH.4 - LHON cybrid cell lines, C.1-C3. - control cell lines.