



DF=Dermal Fibroblast
 LBV=Lymphoblast
 iPSC = Induced Pluripotent Stem Cell
 Cost of each DF & LBV cell line is \$150.00
 Cost of each Immortalized Fibroblast cell line is \$150.00
 Cost of each iPSC line is \$500.00

The Progeria Research Foundation Cell and Tissue Bank Hutchinson-Gilford Progeria Syndrome and Progeroid Laminopathies Cell Lines Available

IMMORTALIZED FIBROBLAST CELL LINES

Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
PSADFSV40T317 ^{1,7}	Proband (& sibling of PSADFN318)	3 yr 9 mo	Male	ZMPste24 Exon 6, heterozygous c.743C>T(p.Pro248Leu); Exon 10, heterozygous c.1349G>A(p.Trp450Stop)	PSADFN317
HGFDFSV40T168 ^{1,2,5}	Father of HGADFN167	40 yrs 5 mos	Male	LMNA Exon 11, Negative	HGFDFN168 HGFLBV021 iPSC lines
HGMDFSV40T090 ^{1,2,5}	Mother of HGADFN167	37 yrs 10 mos	Female	LMNA Exon 11, Negative	HGMDFN090 HGMLBV010 iPSC lines
HGFDFSV40T369 ^{1,2,5}	Father of HGADFN367	33 yrs 9 mos	Male	Negative	HGFDFN369
PSFDFSV40T376 ^{1,7}	Father of PSADFN373	32 yrs 6 mos	Male	ZMPste24 Exon 10, heterozygous c.1274T>C (p.Leu425Pro)	PSFDFN376 PSFLBV344
HGMDFSV40T368 ^{1,2,5}	Mother of HGADFN367	31 yrs 7 mos	Female	Negative	HGMDFN368

¹Representative cultures from this cell line have tested negative for mycoplasma contamination at The PRF Cell and Tissue Bank. Please note: mycoplasma testing is performed on random passages. As part of our on-going quality control, The PRF Cell and Tissue Bank periodically tests the cultures for mycoplasma contamination using R&D Systems Mycoplasma Detection Kit (catalog # CUL001B).

²Histograms of mutational analysis sequenced by the PRF Cell and Tissue Bank available.

³Representative cultures from this cell line have tested negative for mycoplasma contamination at Rutgers University Cell and DNA Repository via real time PCR assay.

⁴Representative cultures from this cell line have tested negative for mycoplasma contamination at Ottawa Hospital Research Institute. Please note: mycoplasma testing is performed on random passages. As part of our on-going quality control, The Human Pluripotent Stem Cell Facility/Dr. William Stanford laboratory periodically tests the cultures for mycoplasma contamination using a PCR based approach (Detection of mycoplasma contaminations., Uphoff CC, Drexler HG., Methods Mol Biol. 2013;946:1-13. doi: 10.1007/978-1-62703-128-8_1. PMID:23179822).

⁵Genetic sequencing on blood DNA agrees with fibroblast DNA unless otherwise noted. Blood sequencing performed for the PRF Diagnostics Program or outside facility. Please contact the PRF Cell and Tissue Bank coordinator for additional details.

⁶Mutational analysis was performed on fibroblasts only, not on DNA derived from blood

⁷Cell line has not been tested for the mutation(s). Mutational analysis is based on blood DNA.