DF=Dermal Fibroblast
LBV=Lymphoblast
iPSC = Induced Pluripotent Stem Cell
Cost of each DF & LBV cell line is $80.50
Cost of each Immortalized Fibroblast cell line is $80.50
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

FIBROBLASTS: CLASSIC MUTATION

Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGADFN122[1, 2, 5]	Proband	5 yrs 0 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGALBV097
HGADFN127[1, 2, 5]	Proband	3 yrs 9 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGALBV039
HGADFN143[1, 2, 5]	Proband	8 yrs 10 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGALBV011
HGADFN155[1, 2, 5]	Proband	1 yr 2 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGADFN164[1, 2, 5]	Proband	4 yrs 8 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGADFN169[1, 2, 5]	Proband	8 yrs 6 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGADFN178[1, 2, 5]	Proband	6 yrs 11 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGALBV110
HGADFN188[1, 2, 5]	Proband	2 yrs 3 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGALBV152
HGADFN271[1, 2, 5]	Proband	1 yr 3 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGALBV152

[1]Representative 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).
[2]Histograms of mutational analysis sequenced by the PRF Cell and Tissue Bank available.
[3]Representative cultures from this cell line have tested negative for mycoplasma contamination at Rutgers University Cell and DNA Repository via real time PCR assay.
[4]Representative 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).
[5]Genetic 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.
[6]Mutational analysis was performed on fibroblasts only, not on DNA derived from blood
[7]Cell line has not been tested for the mutation(s). Mutational analysis is based on blood DNA.

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Cell Lines Available

FIBROBLASTS: FAMILY SETS CONTAINING A FIBROBLAST CELL LINE WITH THE CLASSIC HGPS MUTATION

Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGADFN367[1, 2, 5]	Proband	3 yrs 0 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGFDFN369[1, 2, 6]	Father of HGADFN367	33 yrs 9 mos	Male	LMNA Exon 11, Negative	
HGMDFN368[1, 2, 6]	Mother of HGADFN367	31 yrs 7 mos	Female	LMNA Exon 11, Negative	
HGADFN167[1, 2, 5]	Proband	8 yrs 5 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGALBV009 iPSC lines
HGFDFN168[1, 2, 5]	Father of HGADFN167	40 yrs 5 mos	Male	LMNA Exon 11, Negative	HGFLBV021 HGFDFSV40T168 iPSC lines
HGMDFN717[1, 2, 5] (replaces HGMDFN090)	Mother of HGADFN167	53 yrs 3 mos	Female	LMNA Exon 11, Negative	HGMLBV010 HGMDFSV40T090 iPSC lines
HGMDFN718[1, 2, 6]	Mother of HGADFN496 (proband line no longer offered)	42 yrs 0 mos	Female	LMNA Exon 11, Negative	

[1]Representative 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).
[2]Histograms of mutational analysis sequenced by the PRF Cell and Tissue Bank available.
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