

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

<b>LYMPHOBLASTS: CLASSIC MUTATION</b>					
Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGALBV039 <sup>3</sup>	Proband	3 yrs 6 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGADFN127
HGALBV071 <sup>3</sup>	Proband	15 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV073 <sup>3</sup>	Proband	2 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGADFN003 iPSC lines
HGALBV110 <sup>3</sup>	Proband	5 yrs 7 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGADFN178
HGALBV113 <sup>3</sup>	Proband	12 yrs 2 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV145 <sup>3</sup>	Proband	13 yrs 0 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV146 <sup>3</sup>	Proband	9 yrs 2 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV150 <sup>3</sup>	Proband	6 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV152 <sup>3</sup>	Proband	11 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGADFN188
HGALBV162 <sup>3</sup>	Proband	1 yr 6 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV172 <sup>3</sup>	Proband	7 yrs 9 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	

<sup>1</sup>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).

<sup>2</sup>Histograms of mutational analysis sequenced by the PRF Cell and Tissue Bank available.

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

<sup>4</sup>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).

<sup>5</sup>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.

<sup>6</sup>Mutational analysis was performed on fibroblasts only, not on DNA derived from blood

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

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Cell Lines Available**

**LYMPHOBLASTS: CLASSIC MUTATION  
CONTINUED**

Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGALBV186 <sup>3</sup>	Proband	1 yr 0 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV234 <sup>3</sup>	Proband	10 yrs 7 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV236 <sup>3</sup>	Proband	6 yrs 1 mo	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV237 <sup>3</sup>	Proband	14 yrs 1 mo	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV240 <sup>3</sup>	Proband	4 yrs 2 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV255 <sup>3</sup>	Proband	10 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV331 <sup>3</sup>	Proband	10 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV338 <sup>3</sup>	Proband	3 yrs 4 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV351 <sup>3</sup>	Proband	4 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV378 <sup>3</sup>	Proband	6 yrs 8 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	

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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

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**LYMPHOBLASTS: CLASSIC MUTATION  
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Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGALBV389 <sup>3</sup>	Proband	8 yrs 5 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV395 <sup>3</sup>	Proband	1 yr 6 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV408 <sup>3</sup>	Proband	2 yrs 8 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV419 <sup>3</sup>	Proband	1 yr 11 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV424 <sup>3</sup>	Proband	15 yrs 5 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV437 <sup>3</sup>	Proband	4 yrs 4 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV439 <sup>3</sup>	Proband	5 yrs 9 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV451 <sup>3</sup>	Proband	7 yrs 7 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV452 <sup>3</sup>	Proband	1 yr 3 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV462 <sup>3</sup>	Proband	6 yr 2 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV471 <sup>3</sup>	Proband	7 yr 4 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	

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Cell Lines Available**

**LYMPHOBLASTS: FAMILY SETS CONTAINING A LYMPHOBLAST CELL LINE  
WITH THE CLASSIC HGPS MUTATION**

Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGALBV009 <sup>3</sup>	Proband	5 yrs 1 mo	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGADFN167 iPSC lines
HGFLBV021 <sup>3</sup>	Father of HGALBV009	37 yrs 0 mos	Male	LMNA Exon 11, Negative	HGFDFN168 iPSC lines
HGMLBV010 <sup>3</sup>	Mother of HGALBV009	36 yrs 11 mos	Female	LMNA Exon 11, Negative	HGMDFN090 iPSC lines
HGALBV011 <sup>3</sup>	Proband	6 yrs 1 mo	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGADFN143
HGFLBV031 <sup>3</sup>	Father of HGALBV011	36 yrs 5 mos	Male	LMNA Exon 11, Negative	
HGMLBV023 <sup>3</sup>	Mother of HGALBV011	33 yrs 8 mos	Female	LMNA Exon 11, Negative	
HGALBV016 <sup>3</sup>	Proband	15 yrs 7 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV017 <sup>3</sup>	Mother of HGALBV016	40 yrs	Female	Not performed	
HGSLBV019 <sup>3</sup>	Sibling of HGALBV016	19 yrs 9 mos	Male	Not performed	
HGALBV040 <sup>3</sup>	Proband	12 yrs 6 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGFLBV042 <sup>3</sup>	Father of HGALBV040	38 yrs	Male	Not performed	

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**LYMPHOBLASTS: FAMILY SETS CONTAINING A LYMPHOBLAST CELL LINE  
WITH THE CLASSIC HGPS MUTATION**

*CONTINUED*

Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGMLBV041 <sup>3</sup>	Mother of HGALBV040	43 yrs	Female	Not performed	
HGALBV055 <sup>3</sup>	Proband	7 yrs 3 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV065 <sup>3</sup>	Mother of HGALBV055	26 yrs 0 mo	Female	LMNA Exon 11, Negative	
HGALBV057 <sup>3</sup>	Proband	4 yrs 4 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGFLBV067 <sup>3</sup>	Father of HGALBV057	40 yrs 8 mos	Male	LMNA Exon 11, Negative	
HGMLBV066 <sup>3</sup>	Mother of HGALBV057	28 yrs 2 mos	Female	LMNA Exon 11, Negative	
HGALBV074 <sup>3</sup>	Proband	10 yrs 8 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV076 <sup>3</sup>	Mother of HGALBV074	42 yrs 8 mos	Female	Not performed	
HGSLBV075 <sup>3</sup>	Sibling of HGALBV074	12 yrs 6 mos	Female	Not performed	
HGSLBV077 <sup>3</sup>	Sibling of HGALBV074	16 yrs 10 mos	Male	Not performed	

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**LYMPHOBLASTS: FAMILY SETS CONTAINING A LYMPHOBLAST CELL LINE  
WITH THE CLASSIC HGPS MUTATION**

*CONTINUED*

Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGALBV097 <sup>3</sup>	Proband	2 yrs 7 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	HGADFN122
HGFLBV099 <sup>3</sup>	Father of HGALBV097	51 yrs 6 mos	Male	Not performed	
HGMLBV098 <sup>3</sup>	Mother of HGALBV097	41 yrs 6 mos	Female	Not performed	
HGALBV132 <sup>3</sup>	Proband	1 yr 5 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV133 <sup>3</sup>	Mother of HGALBV132	24 yrs 7 mos	Female	LMNA Exon 11, Negative	
HGFLBV134 <sup>3</sup>	Father of HGALBV132	27 yrs 5 mos	Male	LMNA Exon 11, Negative	

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**LYMPHOBLASTS: FAMILY SETS CONTAINING A LYMPHOBLAST CELL LINE  
WITH THE CLASSIC HGPS MUTATION**

*CONTINUED*

Cell Line #	Relation to Proband	Age at Donation	Gender	Mutational Analysis	Other Lines From This Donor
HGALBV314 <sup>3</sup>	Proband	2 yrs 4 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGSLBV353 <sup>3</sup>	Sibling of HGALBV314	7 mos	Female	LMNA Exon 11, Negative	
HGSLBV359 <sup>3</sup>	Sibling of HGALBV314	7 mos	Male	LMNA Exon 11, Negative	

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