

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

**LYMPHOBLASTS: NON-CLASSIC HGPS MUTATION  
(PROGERIN-PRODUCING)**

| Cell Line #            | Relation to Proband | Age at Donation | Gender | Mutational Analysis                                       | Other Lines From This Donor |
|------------------------|---------------------|-----------------|--------|---|-----------------------------|
| PSALBV199 <sup>3</sup> | Proband             | 11 yrs 3 mos    | Female | LMNA Exon 11, heterozygous c.1868 C>G (p.Thr623Ser)       |                             |
| PSALBV229 <sup>3</sup> | Proband             | 5 yrs 9 mos     | Female | LMNA Exon 11, heterozygous c.1822G>A (p.Gly608Ser)        |                             |
| PSALBV296 <sup>3</sup> | Proband             | 10 yrs 8 mos    | Female | LMNA Exon 11, heterozygous c.1822G>A (p.Gly608Ser)        | PSADFN328                   |
| PSALBV379 <sup>3</sup> | Proband             | 5 yrs 3 mos     | Male   | LMNA Exon 11/Intron 11 junction, heterozygous c.1968+1G>A |                             |
| PSALBV406 <sup>3</sup> | Proband             | 8 mos           | Male   | LMNA Exon 11, heterozygous c.1822G>A (p.Gly608Ser)        |                             |
| PSALBV427 <sup>3</sup> | Proband             | 3 mos.          | Male   | LMNA Exon 11, heterozygous c.1821G>A(p.V607V)             |                             |

<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.



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**

**LYMPHOBLASTS: FAMILY SET CONTAINING  
 A LYMPHOBLAST CELL LINE WITH A NON-CLASSIC HGPS MUTATION  
 (PROGERIN-PRODUCING)**

| Cell Line #            | Relation to Proband | Age at Donation | Gender | Mutational Analysis                     | Other Lines From This Donor |
|------------------------|---------------------|-----------------|--------|---|-----------------------------|
| PSALBV083 <sup>3</sup> | Proband             | 6 mos           | Male   | LMNA Exon 11, heterozygous c.1968+1 G>A | PSADFN086                   |
| PSFLBV084 <sup>3</sup> | Father of PSALBV083 | 31 yrs 9 mos    | Male   | Not performed                           |                             |
| PSMLBV085 <sup>3</sup> | Mother of PSALBV083 | 32 yrs 2 mos    | Female | Not performed                           |                             |

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