

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

| <b>LYMPHOBLASTS: CLASSIC MUTATION</b> |                            |                        |               |  |                                    |
|---------------------------------------|----------------------------|------------------------|---------------|--|------------------------------------|
| <b>Cell Line #</b>                    | <b>Relation to Proband</b> | <b>Age at Donation</b> | <b>Gender</b> | <b>Mutational Analysis</b>                         | <b>Other Lines From This Donor</b> |
| 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<br>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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**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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<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.

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<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 |
|------------------------|---------------------|-----------------|--------|--|-----------------------------|
| 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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**The Progeria Research Foundation Cell and Tissue Bank  
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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<br>iPSC lines     |
| HGFLBV021 <sup>3</sup> | Father of HGALBV009  | 37 yrs 0 mos    | Male   | LMNA Exon 11, Negative                             | HGFDFN168<br>iPSC lines     |
| HGMLBV010 <sup>3</sup> | Mother of HGALBV009  | 36 yrs 11 mos   | Female | LMNA Exon 11, Negative                             | HGMDFN090<br>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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Cell Lines Available**

**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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*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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