



DF = Dermal Fibroblast  
 LBV=Lymphoblast  
 iPSC = Induced Pluripotent Stem Cell  
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## The Progeria Research Foundation Cell and Tissue Bank Hutchinson-Gilford Progeria Syndrome and Progeroid Laminopathies

### Cell Lines Available

<b>FIBROBLAST CLASSIC MUTATION</b>						
<b>Cell Line #</b>	<b>Clinically Affected</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>
HGADFN003	Yes	Proband	2 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	LBV HGALBV073 & iPSC lines
HGADFN122	Yes	Proband	5 yrs 0 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	LBV HGALBV097
HGADFN127	Yes	Proband	3 yrs 9 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	LBV HGALBV039
HGADFN143	Yes	Proband	8 yrs 10 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	LBV HGALBV011
HGADFN155	Yes	Proband	1 yr 2 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGADFN164	Yes	Proband	4 yrs 8 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGADFN167	Yes	Proband	8 yrs 5 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	LBV HGALBV009 & iPSC lines
HGFDFN168	No	Father of HGADFN167	40 yrs 5 mos	Male	LMNA Exon 11, Negative	LBV HGFLBV021 & iPSC lines
HGMDFN090	No	Mother of HGADFN167	37 yrs 10 mos	Female	LMNA Exon 11, Negative	LBV HGMLBV010 & iPSC lines
HGADFN169	Yes	Proband	8 yrs 6 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGADFN178	Yes	Proband	6 yrs 11 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	LBV HGALBV110
HGADFN188	Yes	Proband	2 yrs 3 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	LBV HGALBV152
HGADFN271	Yes	Proband	1 yr 3 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGADFN367	Yes	Proband	3 yrs 0 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMDFN368	No	Mother of HGADFN367	31 yrs 7 mos	Female	Not Performed	
HGFDFN369	No	Father of HGADFN367	33 yrs 9 mos	Male	Not performed	
HGADFN370	Yes	Proband	10 yrs 4 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMDFN371	No	Mother of HGADFN370	45 yrs 7 mos	Female	Not performed	
HGFDFN372	No	Father of HGADFN370	44 yrs 6 mos	Male	Not performed	

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<b>FIBROBLAST NON-CLASSIC MUTATIONS</b>						
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PSADFN086*	Yes	Proband	0 yrs 7 mos	Male	LMNA Exon 11, c.1968+1 G>A	LBV PSALBV083
PSADFN257	Yes	Proband	1 yr 10 mos	Male	LMNA Exon 10, homozygous c.1619 T>C (p.Met540Thr)	
PSADFN325	Yes	Proband	6 yrs 9 mos	Male	LMNA Exon 11/Intron 11 junction, heterozygous c.1968+5G>C	
PSMDFN326	No	Mother of HGADFN325	36 yrs 10 mos	Female	Not performed	
PSFDFN327	No	Father of HGADFN325	36 yrs 3 mos	Male	Not performed	
PSADFN328	Yes	Proband	12 yrs 5 mos	Female	LMNA Exon 11, heterozygous c.1822 G->A (p.Gly608Ser)	LBV PSALBV296
PSADFN345	Yes	Proband	3 yrs 3 mos	Female	LMNA Exon 11, c.1968+1 G>A	
PSMDFN346	No	Mother of PSADFN345	21 yrs 10 mos	Female	LMNA Exon 11, Negative	
PSADFN386	Yes	Proband	11 mos	Female	LMNA Exon 11, heterozygous c.1968+2T>A	
PSMDFN387	No	Mother of PSADFN386	36 yrs 5 mos	Female	Not performed	
PSFDFN388	No	Father of PSADFN386	38 yrs 1 mo	Male	Not performed	
PSADFN363	Yes	Proband	8 mos	Male	LMNA Exon 6, heterozygous c.973G>A (p.Asp325Asn)	
PSMDFN364	No	Mother of PSADFN363	36 yrs 10 mos	Female	Not performed	
PSFDFN365	No	Father of PSADFN363	44 yrs 2 mos	Male	Not performed	
PSADNF317	Yes	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)	
PSADFN318	Yes	Proband (& sibling of PSADNF317)	5 mos	Male	ZMPste24 Exon 6, heterozygous c.743C>T(p.Pro248Leu); Exon 10, heterozygous c.1349G>A(p.Trp450Stop)	

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**FIBROBLAST NON-CLASSIC MUTATIONS CONTINUED**

PSFDFN319	No	Father of PSADFN317 & PSADFN318	39 yrs 0 mo	Male	Not performed	
PSMDFN320	No	Mother of PSADFN317 & PSADFN318	36 yr 8 mo	Female	Not Performed	
PSADFN373	Yes	Proband	5 yr 9 mos	Male	ZMPste24 Exon 10, homozygous c.1274T>C (p.Leu425Pro)	LBV PSALBV341
PSMDFN375	No	Mother of PSADFN373	32 yrs 9 mos	Female	ZMPste24 Exon 10, heterozygous c.1274T>C (p.Leu425Pro)	LBV PSMLBV343
PSFDFN376	No	Father of PSADFN373	32 yrs 6 mos	Male	ZMPste24 Exon 10, heterozygous c.1274T>C (p.Leu425Pro)	LBV PSFLBV344



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<b>LYMPHOBLAST CLASSIC MUTATION</b>						
<b>Cell Line #</b>	<b>Clinically Affected</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>
HGALBV009	Yes	Proband	5 yrs 1 mo	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN167 & iPSC lines
HGMLBV010	No	Mother of HGALBV009	36 yrs 11 mos	Female	LMNA Exon 11, Negative	DF HGMDFN090 & iPSC lines
HGFLBV021	No	Father of HGALBV009	37 yrs 0 mos	Male	LMNA Exon 11, Negative	DF HGDFDN168 & iPSC lines
HGALBV011	Yes	Proband	6 yrs 1 mo	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN143
HGMLBV023	No	Mother of HGALBV011	33 yrs 8 mos	Female	LMNA Exon 11, Negative	
HGFLBV031	No	Father of HGALBV011	36 yrs 5 mos	Male	LMNA Exon 11, Negative	
HGALBV016	Yes	Proband	15 yrs 7 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV017	No	Mother of HGALBV016	40 yrs	Female	Not performed	
HGSLBV019	No	Sibling of HGALBV016	19 yrs 9 mos	Male	Not performed	
HGALBV039	Yes	Proband	3 yrs 6 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN127
HGALBV040	Yes	Proband	12 yrs 6 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV041	No	Mother of HGALBV040	43 yrs	Female	Not performed	
HGFLBV042	No	Father of HGALBV040	38 yrs	Male	Not performed	
HGALBV055	Yes	Proband	7 yrs 3 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV065	No	Mother of HGALBV055	26 yrs 0 mo	Female	LMNA Exon 11, Negative	
HGALBV057	Yes	Proband	4 yrs 4 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV066	No	Mother of HGALBV057	28 yrs 2 mos	Female	LMNA Exon 11, Negative	
HGFLBV067	No	Father of HGALBV057	40 yrs 8 mos	Male	LMNA Exon 11, Negative	
HGALBV071	Yes	Proband	15 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	

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### LYMPHOBLAST CLASSIC MUTATION CONTINUED

HGALBV073	Yes	Proband	2 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN003 & iPSC lines
HGALBV074	Yes	Proband	10 yrs 8 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV076	No	Mother of HGALBV074	42 yrs 8 mos	Female	Not performed	
HGSLBV075	No	Sibling of HGALBV074	12 yrs 6 mos	Female	Not performed	
HGSLBV077	No	Sibling of HGALBV074	16 yrs 10 mos	Male	Not performed	
HGALBV097	Yes	Proband	2 yrs 7 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN122
HGMLBV098	No	Mother of HGALBV097	41 yrs 6 mos	Female	Not Performed	
HGFLBV099	No	Father of HGALBV097	51 yrs 6 mos	Male	Not Performed	
HGALBV110	Yes	Proband	5 yrs 7 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN178
HGALBV113	Yes	Proband	12 yrs 2 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV132	Yes	Proband	1 yr 5 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGMLBV133	No	Mother of HGALBV132	24 yrs 7 mos	Female	LMNA Exon 11, Negative	
HGFLBV134	No	Father of HGALBV132	27 yrs 5 mos	Male	LMNA Exon 11, Negative	
HGALBV145	Yes	Proband	13 yrs 0 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV146	Yes	Proband	9 yrs 2 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV150	Yes	Proband	6 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV152	Yes	Proband	11 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN188
HGALBV162	Yes	Proband	1 yr 6 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV172	Yes	Proband	7 yrs 9 mos	Female	LMNA Exon 11, c.1824C>T (p.Gly608Gly)	
HGALBV186	Yes	Proband	1 yr 0 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV236	Yes	Proband	6 yrs 1 mo	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV237	Yes	Proband	14 yrs 1 mo	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV240	Yes	Proband	4 yrs 2 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	

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### LYMPHOBLAST CLASSIC MUTATION CONTINUED

HGALBV255	Yes	Proband	10 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV304	Yes	Proband	12 yrs 9 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV314	Yes	Proband	2 yrs 4 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGSLBV353	No	Sibling of HGALBV314	7 mos	Female	LMNA Exon 11, Negative	
HGSLBV359	No	Sibling of HGALBV314	7 mos	Male	LMNA Exon 11, Negative	
HGALBV331	Yes	Proband	10 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV338	Yes	Proband	3 yrs 4 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV351	Yes	Proband	4 mos	Female	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV378	Yes	Proband	6 yrs 8 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	
HGALBV389	Yes	Proband	8 yrs 5 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	



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<b>Cell Line #</b>	<b>Clinically Affected</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>
PSALBV083	Yes	Proband	6 mos	Male	LMNA Exon 11, c.1968+1 G>A	DF PSADFN086
PSFLBV084	No	Father of PSALBV083	31 yrs 9 mos	Male	Not Performed	
PSMLBV085	No	Mother of PSALBV083	32 yrs 2 mos	Female	Not Performed	
PSALBV199	Yes	Proband	11 yrs 3 mos	Female	LMNA Exon 11, heterozygous c.1868 C>G (p.Thr623Ser)	
PSMLBV238	No	Mother of PSALBV245 & PSALBV339	~24 yrs	Female	LMNA Exon 9, heterozygous c.1579C>T(p.Arg527Cys)	
PSFLBV239	No	Father of PSALBV245 & PSALBV339	~25 yrs	Male	LMNA Exon 9, heterozygous c.1579C>T(p.Arg527Cys)	
PSALBV245	Yes	Proband, sibling of PSALBV339(2 deceased siblings were homozygous for same mutation)	4 mos	Male	LMNA Exon 9, homozygous c.1579C>T(p.Arg527Cys)	
PSALBV339	No	Sibling of PSALBV245(2 deceased siblings were homozygous for same mutation)	1 mo	Female	LMNA Exon 9, heterozygous c.1579C>T(p.Arg527Cys)	
PSALBV229	Yes	Proband	5 yrs 9 mos	Female	LMNA Exon 11, heterozygous c.1822G>A (p.Gly608Ser)	
PSALBV295	Yes	Proband	17 yrs 3 mos	Male	LMNA Exon 1, heterozygous c.331G>A (p.Glu111Lys) Intron 6,1158-44 C>T	
PSMLBV360	No	Mother of PSALBV295	46 yrs 1 mo	Female	LMNA Exon 1, Negative Intron 6, heterozygous c.1158-44 C>T	
PSFLBV361	No	Father of PSALBV295	49 yrs 8 mos	Male	LMNA Exon 1 & Intron 6, Negative	
PSALBV296	Yes	Proband	10 yrs 8 mos	Female	LMNA Exon 11, heterozygous c.1822G>A (p.Gly608Ser)	

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### LYMPHOBLAST NON-CLASSIC MUTATIONS CONTINUED

PSALBV379	Yes	Proband	5 yrs 3 mos	Male	LMNA Exon 11/Intron 11 junction, heterozygous c.1968+1G>A	
PSALBV341	Yes	Proband (and sibling of PSALBV342)	5 yrs 2 mos	Male	ZMPste24 Exon 10, homozygous c.1274T>C (p.Leu425Pro)	DF PSADFN373
PSALBV342	Yes	Proband (and sibling of PSALBV341)	2 yrs 9 mos	Male	ZMPste24 Exon 10, homozygous c.1274T>C (p.Leu425Pro)	
PSMLBV343	No	Mother of PSALBV341 & PSALBV342	32 yrs 2 mos	Female	ZMPste24 Exon 10, heterozygous c.1274T>C (p.Leu425Pro)	DF PSMDFN375
PSFLBV344	No	Father of PSALBV341 & PSALBV342	32 yrs	Male	ZMPste24 Exon 10, heterozygous c.1274T>C (p.Leu425Pro)	DF PSFDFN376



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<b>INDUCED PLURIPOTENT STEM CELLS</b>						
<b>Cell Line #</b>	<b>Clinically Affected</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>
HGADFN003 iPS1B	Yes	Proband	2 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN003; LBV HGALBV073
HGADFN003 iPS1C	Yes	Proband	2 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN003; LBV HGALBV073
HGADFN003 iPS1D	Yes	Proband	2 yrs 0 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN003; LBV HGALBV073
HGADFN167 iPS1J	Yes	Proband	8 yrs 5 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN167; LBV HGALBV009
HGADFN167 iPS1Q	Yes	Proband	8 yrs 5 mos	Male	LMNA Exon 11, heterozygous c.1824C>T (p.Gly608Gly)	DF HGADFN167; LBV HGALBV009
HGMDFN090 iPS1B	No	Mother of HGADFN167	37 yrs 10 mos	Female	LMNA Exon 11, Negative	DF HGMDFN090; LBV HGMLBV010
HGMDFN090 iPS1C	No	Mother of HGADFN167	37 yrs 10 mos	Female	LMNA Exon 11, Negative	DF HGMDFN090; LBV HGMLBV010
HGFDFN168 iPS1D2	No	Father of HGADFN167	40 yrs 5 mos	Male	LMNA Exon 11, Negative	DF HGFDFN168; LBV HGFLBV021
HGFDFN168 iPS1E	No	Father of HGADFN167	40 yrs 5 mos	Male	LMNA Exon 11, Negative	DF HGFDFN168; LBV HGFLBV021