**rpl1bΔ**

![Graph of rpl1bΔ](image)

**rpl2bΔ**

![Graph of rpl2bΔ](image)
**rpl6aΔ**

![Graph](image)

**rpl7aΔ**

![Graph](image)
**rpl12bΔ**

- **rpl12bΔ deletion set (29.8, 41)**
- **BY ctrl del set (26.3, 76)**
- **remade rpl12bΔ (33.8, 82)**
- **remade BY ctrl (27.8, 82)**

**rpl13bΔ**

- **rpl13bΔ deletion set (19.2, 46)**
- **BY ctrl del set (27.4, 81)**
- **remade rpl13bΔ (34.7, 82)**
- **remade BY ctrl (26.2, 82)**
$rpl14a\Delta$

![Graph showing the fraction viable against age (generations) for $rpl14a\Delta$. The graph includes different sets labeled with their corresponding ages.]

$rpl16b\Delta$

![Graph showing the fraction viable against age (generations) for $rpl16b\Delta$. The graph includes different sets labeled with their corresponding ages.]

$rpl19b\Delta$

$\text{Fraction viable}$

$\text{Age (Generations)}$

$rpl20a\Delta$

$\text{Fraction viable}$

$\text{Age (Generations)}$
**rpl22aΔ**

- **rpl22aΔ deletion set (36.2, 125)**
- **BY ctrl del set (27.8, 125)**
- **remade rpl22aΔ (35.4, 180)**
- **remade BY ctrl (25.6, 139)**

**rpl23bΔ**

- **rpl23bΔ deletion set (30.6, 75)**
- **BY ctrl del set (26.2, 99)**
- **remade rpl23bΔ (32.0, 40)**
- **remade BY ctrl (29.7, 20)**
$rpl31\Delta$

$ppl34\Delta$

Fraction viable vs. Age (Generations) graphs for $rpl31\Delta$ and $rpl34\Delta$. The graphs show the fraction of viable cells over time, with different colors representing different conditions and sets of experiments.
$rpl39\Delta$

$\text{Age (Generations)}$

$\text{Fraction viable}$

$\text{rpl39}\Delta$ deletion set (21.2, 25)
- BY ctrl del set (26.0, 39)
- remade $rpl39\Delta$ (19.4, 80)
- remade BY ctrl (25.3, 80)

$rpl40a\Delta$

$\text{Age (Generations)}$

$\text{Fraction viable}$

$\text{rpl40a}\Delta$ deletion set (31.4, 44)
- BY ctrl del set (26.2, 79)
- remade $rpl40a\Delta$ (34.7, 80)
- remade BY ctrl (25.4, 80)
rpl43aΔ

![](image1)

rpp1aΔ

![](image2)
$rps18a\Delta$

$\frac{\text{Fraction viable}}{\text{Age (Generations)}}$

$rps21b\Delta$

$\frac{\text{Fraction viable}}{\text{Age (Generations)}}$
$rps23b\Delta$

$\log(-\log(Fraction\ viable))$ vs. $Age\ (Generations)$

$rps24a\Delta$

$\log(-\log(Fraction\ viable))$ vs. $Age\ (Generations)$
Figure S5  Lifespan curves for all deletion collection and remade rpΔ strains, with corresponding wild-type strains.