

Table S7. List of generated strains

Experiment	Strain	Genotype
<i>prpf-4</i> EGFP Step 1	CER352	<i>prpf-4(cer40[prpf-4::egfp1-3]) I</i>
<i>prpf-4</i> EGFP Step 2	CER372	<i>prpf-4(cer54[prpf-4::egfp]) I</i>
<i>prpf-4</i> EGFP Step 2 (synthetic sgRNA)	CER402	<i>prpf-4(cer82[prpf-4::egfp]) I</i>
<i>prpf-4</i> mCherry Step 1	CER383	<i>prpf-4(cer62[prpf-4::mcherry1-3]) I</i>
<i>prpf-4</i> mCherry Step 2	CER398	<i>prpf-4(cer80[prpf-4::mcherry]) I</i>
<i>prpf-4</i> mCherry Step 2 (synthetic sgRNA)	CER404	<i>prpf-4(cer84[prpf-4::mcherry]) I</i>
<i>prpf-4</i> 2xTY1::EGFP::3xFLAG Step 1	CER470	<i>prpf-4(cer122[prpf-4::2xTY1 + 3xFLAG]) I</i>
<i>prpf-4</i> 2xTY1::EGFP::3xFLAG Step 2	CER472	<i>prpf-4(cer124[prpf-4::2xTY1 + egfp + 3xFLAG]) I</i>
<i>gtbp-1</i> EGFP Step 1	CER371	<i>gtbp-1(cer53[gtbp-1::egfp1-3]) IV</i>
<i>gtbp-1</i> EGFP Step 2	CER408	<i>gtbp-1(cer88[gtbp-1::egfp]) IV</i>
<i>gtbp-1</i> EGFP Step 2 (synthetic sgRNA)	CER410	<i>gtbp-1(cer90[gtbp-1::egfp]) IV</i>
<i>gtbp-1</i> mCherry Step 1	CER380	<i>gtbp-1(cer59[gtbp-1::egfp1-3]) IV</i>
<i>gtbp-1</i> mCherry Step 2	CER409	<i>gtbp-1(cer89[gtbp-1::egfp]) IV</i>
<i>pgl-1</i> EGFP Step 1	CER376	<i>pgl-1(cer57[pgl-1::egfp1-3]) IV</i>
<i>pgl-1</i> EGFP Step 2	CER418	<i>pgl-1(cer96[pgl-1::egfp]) IV</i>
<i>pgl-1</i> mCherry Step 1	CER381	<i>pgl-1(cer60[pgl-1::mcherry1-3]) IV</i>
<i>pgl-1</i> mCherry Step 2	CER414	<i>pgl-1(cer70[pgl-1::mcherry]) IV</i>
K12C11.3 mCherry Step 1	CER396	<i>K12C11.3(cer69[K12C11.3p::mcherry1-3]) I</i>
K12C11.3 mCherry Step 2	CER406	<i>K12C11.3(cer86[K12C11.3p::mcherry]) I</i>
<i>ubh-4</i> EGFP Step 1	CER378	<i>ubh-4(cer67[ubh-4::egfp1-3]) II</i>
<i>ubh-4</i> EGFP Step 2	CER395	<i>ubh-4(cer68[ubh-4::egfp]) II</i>
<i>nfki-1</i> EGFP Step 1	CER469	<i>nfki-1(cer121[egfp1-3::nfki-1]) X</i>
<i>nfki-1</i> EGFP Step 2	CER461	<i>nfki-1(cer116[egfp::nfki-1]) X</i>
<i>sftb-1</i> mCherry Step 1	CER426	<i>sftb-1(cer103[mcherry 1-3::sftb-1]) III</i>
<i>sftb-1</i> mCherry Step 2	CER444	<i>sftb-1(cer114[mcherry::sftb-1]) III</i>
F27C1.2 wrmScarlet Step 2	CER438	<i>F27C1.2(cer111[F27C1.2::wrmscarlet]) I</i>