

**Table S2. Changes in somatic P-granule protein expression with temperature and feeding\***

	PGL-3				GLH-1				PGL-1			
	Worms <sup>†</sup>	Cells <sup>‡</sup>	Quality <sup>§</sup>	Punctae? <sup>¶</sup>	Worms <sup>†</sup>	Cells <sup>‡</sup>	Quality <sup>§</sup>	Punctae? <sup>¶</sup>	Worms <sup>†</sup>	Cells <sup>‡</sup>	Quality <sup>§</sup>	Punctae? <sup>¶</sup>
<b><i>dpl-1</i></b>												
26°C fed	+++++	+++++	Bright	No	++++	++	Mid	No	++++	++++	Mid	No
26°C starved	+++++	+++++	Bright	No	++	+	Faint	No	++++	++++	Faint	No
20°C fed	+++	++++	Mid	No	+	+	Faint	No	++++	++++	Mid	No
<b><i>hpl-2</i></b>												
26°C fed	+++++	++++	Bright	Yes	+++++	+++++	Bright	Yes	+++++	++++	Bright	Yes
26°C starved	+++	+++	Mid	Some	++++	+++	Mid	Some	++++	+++	Mid	Some
20°C fed	+	+	Faint	No	+	+	Faint	No	+	+	Faint	No
<b><i>lin-9</i></b>												
26°C fed	+++++	+++++	Bright	Some	+++++	++++	Bright	No	++++	++	Mid	Some
26°C starved	+++++	+++++	Bright	Some	++++	++	Bright	No	+	+	Faint	No
20°C fed	++++	++++	Bright	Some	++	+	Faint	No	+	+	Faint	No
<b><i>lin-13</i></b>												
26°C fed	+++++	++++	Bright	Yes	+++++	++++	Bright	Some	+++++	+++	Mid	Yes
26°C starved	++++	+++	Mid	Some	+++++	++++	Bright	Some	++	++	Faint	Some
20°C fed	++	+	Faint	No	-	-	None	NA	++	++	Faint	No
<b><i>lin-15B</i></b>												
26°C fed	+++++	+++++	Bright	Yes	++++	+++	Bright	Some	++++	++	Mid	Some
26°C starved	+++++	+++++	Bright	Some	++	+	Faint	No	++++	++	Faint	Some
20°C fed	+++++	+++++	Bright	Some	+	+	Faint	No	++++	++	Faint	Some
<b><i>lin-35</i></b>												
26°C fed	+++++	+++++	Bright	Some	++++	+++	Mid	No	+++++	+++++	Mid	No
26°C starved	+++++	+++++	Bright	Some	++	++	Faint	No	+++++	++++	Mid	No
20°C fed	+++++	+++++	Bright	Yes	++++	+++	Faint	No	+++++	++++	Mid	Some
<b><i>lin-37</i></b>												
26°C fed	+++++	+++++	Bright	No	++++	++	Bright	No	++++	++	Mid	No
26°C starved	+++++	+++++	Bright	No	+++	++	Mid	No	++	+	Faint	No
20°C fed	+++	+++	Mid	No	++	++	Faint	No	+	+	Faint	No
<b><i>lin-54</i></b>												
26°C fed	+++++	+++++	Bright	Some	++++	++++	Bright	No	++++	++	Mid	No
26°C starved	+++++	+++++	Bright	No	+++	+++	Mid	No	+	+	Faint	No
20°C fed	+++	+	Faint	No	++	+	Faint	No	++	+	Faint	No
<b><i>lin-61</i></b>												
26°C fed	+++	+	Mid	No	++++	+++	Bright	No	+++	+	Mid	No
26°C starved	+	+	Faint	No	+++	+++	Mid	Some	+	+	Faint	No
20°C fed	+	+	Faint	No	-	-	None	NA	++	+	Faint	No

\*synMuv B mutants show differences in the quality and quantity of ectopic P-granule protein expression in the soma of L1 larvae. PGL-3; GLH-1 and PGL-1 staining was scored after growth at 20°C and 26°C; and after L1s were hatched in the absence of food and then either starved or fed for an additional 5 hours. Most genotypes showed higher #worms; #cells and level of expression with feeding and at higher temperature; especially with GLH-1 and PGL-1 staining.

<sup>†</sup>Proportion of worms in the population that had some level of somatic expression; ranging from + (low proportion) to +++++ (high proportion).

<sup>‡</sup>Proportion of somatic cells within a worm that showed expression; ranging from + (low proportion) to +++++ (high proportion).

<sup>§</sup>Quality: level of ectopic expression; ranging from Faint to Bright.

<sup>¶</sup>Whether or not P-granule proteins aggregated into punctate structures.

NA, not applicable.