

**Supplementary Table 1. List of primers used for P-element screening.**

Each of the listed primers was used in combination with the P-element primer PTR2 for PCR screening of flies that have a P-element insertion in *slob*. In the primer name, LP and RP indicate that the primer is on the “plus” strand or the “minus” strand, respectively.

Primer name	Primer sequence
83LP	AGG-TTC-AAC-TTT-GTC-AGC-GG
86LP	CCA-GAA-GTG-GGA-GTT-TTC-CA
89LP	TGG-GTG-TGT-GTT-ATT-CCC-CT
92LP	CCG-AAG-GAG-CCA-CAA-TTA-GA
96LP	TGC-ACG-TTT-GCT-TCT-AGG-TG
99LP	AAC-ACT-CAG-TTT-GGG-CAG-GT
103LP	CGG-TTA-TCG-GGT-GCA-TTT-AG
106LP	CAA-AGT-AGT-TCA-CTC-GCT-GAC-G
110LP	ATT-TGT-GGC-CAC-TTG-TCT-CC
113LP	AGC-CAC-TTA-CAC-GTC-AGG-GTA
116LP	TCC-GCA-GGA-ATT-ATC-TGG-AC
119LP	CCA-GAA-TAT-TTC-CCC-CAG-GT
122LP	GGA-AAA-CCG-AGA-GAC-AGA-GAG-A
126LP	TTC-CCA-TCC-ATT-CTC-TCT-GG
130LP	TGC-GCT-ACT-CAG-GAA-TGA-TG
134LP	GCC-ACC-TTC-GTT-ATT-TGA-GC
137LP	CAC-TGG-CCG-AAG-TTA-TCC-ATT
140LP	AAA-CTC-GGT-CGG-ATC-AAC-AG
144LP	TGC-AAA-CAG-GAC-ACA-AGA-GG
147LP	CTA-TTA-TCG-CCA-TCC-ACG-CT
84RP	CCA-TAG-GTC-CTG-GGT-CAA-AA
87RP	CCA-GTG-TCC-GAT-TTC-CAC-TT
91RP	AAC-AAC-ACC-GCC-CAG-AAT-AG
94RP	AGC-CAA-ATG-TGG-TAA-GTG-GC
97RP	ACA-GCT-ATT-GAT-AGG-GCC-ACA-G
100RP	AAA-CGA-GGG-AAA-GTC-ACC-TCT-C
104RP	TAA-GAG-ATC-GCA-GTC-GGT-AGG-T
108RP	AAG-ACG-CTC-AAT-ACC-GCA-AC
111RP	CAG-GTC-AAA-TGG-AAA-GGT-GG
114RP	AGC-AAG-TGC-CAG-GAT-TCA-GT
118RP	CCT-AAA-TAC-AAG-GAG-GTG-CGA-A
120RP	CGA-TTT-GGT-TAC-TGC-CTG-GT
124RP	TGG-CTC-TCC-CCC-TAA-CTT-TT
128RP	AGC-TGT-ATC-TCG-CGA-TTC-GT
131RP	AAC-TCT-GGA-AGT-GCG-CTG-AT
135RP	TCC-AAT-GGC-TCC-CTA-AAG-TG
139RP	CTG-AAA-TCC-AGG-CCA-TGT-CT
142RP	ACC-AGA-GGG-AAC-TGA-CCT-ACA-A
146RP	TCA-GAC-ATC-AAC-ACC-CTG-GA
149RP	GTA-CAA-CAA-AGG-TAC-AGC-TT