A DAPI	B Anti-PGL-1	C DAPI	D Anti-PGL-1
	Ó		6
wild type	wild type	rpl-43(bp399)	rpl-43(bp399)
E	F Anti-SEPA-1	G	H Anti-SEPA-1
wild type	wild type	rpl-43(bp399)	rpl-43(bp399)
I Marine States (1997)	J C35E7.6::GFP	K	L C35E7.6::GFP
wild type	wild type	rpl-43(RNAi)	rpl-43(RNAi)
M	N ZK1053.4::GFP	0	P ZK1053.4::GFP
wild type	wild type	rpl-43(RNAi)	rpl-43(RNAi)
Q	R GFP::LGG-1	S wild type rpl-43 LGG-1 -15 actin -15	$\mathbf{T} \overset{s}{\substack{j=1\\ j=1\\ j=1\\ j=1\\ j=1\\ j=1\\ j=1\\ j=1\\ $
rpl-43(RNAi)	rpl-43(RNAi)	-40	2 lgg-1 bec-1 epg-8 atg-7

Fig S2 Loss of function rpl-43 did not impair degradation of other autophagy

substrates

(A-D) PGL-1, detected by anti-PGL-1 antibody, is restricted to germline precursor

cells and is absent in somatic cells in wild-type (A,B) and *rpl-43(bp399)*

mutant (C,D) embryos. (A) and (C): DAPI images of the embryos shown in (B)

and (D), respectively.

(E-H) SEPA-1, detected by anti-SEPA-1 antibody, did not accumulate in wild-type

(E,F) and *rpl-43(bp399)* mutant embryos (G,H) at the 4-fold stage. (E) and (G): (S) The endogenous LGG-1 level did not increase in *rpl-43(bp399)* mutant animals

DAPI images of the embryos shown in (F) and (H), respectively. compared with wild type. 200 young adult animals for each genotype were

(I-L) C35E7.6::GFP is weakly expressed in intestinal cells in wild-type (I,J) and collected for analysis.

rpl-43(RNAi) (K,L) animals. (I) and (K): DIC images of the animals shown in

(J) and (L), respectively.

(M-P) ZK1053.4::GFP is weakly expressed in intestinal cells in wild-type (M,N) and

rpl-43(RNAi) (O,P) animals. (M) and (O): DIC images of the animals shown

in (N) and (P), respectively.

(Q-R) GFP::LGG-1 did not increase in *rpl-43*(RNAi) animals. (Q): DIC image of the animal shown in (R).

(S) The endogenous LGG-1 level did not increase in *rpl-43(bp399)* mutant animals compared with wild type. 200 young adult animals for each genotype were collected for analysis. (T) mRNA levels of *lgg-1, bec-1, epg-8, atg-7* did not change significantly in *rpl-43(bp399)* animals compared with wild type. 500 young adult animals were collected for analysis. Error bars indicate the s.d. of three experiments.
Scale bars: 10 μm (A-H); 20 μm (I-R).