

S1 Table

Genotype	Mating	Number of germaria			Average # of GSCs	p Value	Control	Figure panel
		3 GSCs	2 GSCs	1 GSCs				
yw wild-type	-	22	52	10	2.14 (84)	0.0009		Fig 1B
	+	46	48	3	2.44 (97)			
yw wild-type	-	15	28	7	2.16 (50)		yw wild-type (-)	Fig 2A
	+	25	25	0	2.50 (50)	0.0087		
	+ SP ^{D/Δ}	12	31	7	2.10 (50)	0.6129		
yw wild-type	-	11	35	4	2.14 (84)	0.0042		Fig 2B
	+	24	25	1	2.46 (97)			
SPR ^{Df(1)}	-	11	35	4	2.14 (84)	0.0042		
	+	24	25	1	2.46 (97)			
elav / +	-	11	37	2	2.18 (50)	0.007		Fig 2C
	+	23	27	0	2.46 (50)			
elav > SPR RNAi	-	12	37	1	2.22 (50)	0.5		
	+	16	32	2	2.28 (50)			
ppk / +	-	29	72	7	2.20 (108)	0.0025		
	+	45	55	0	2.45 (100)			
ppk > mSP	-	24	28	0	2.46 (52)	0.0021	ppk / + (-)	
ppk > SPR RNAi	-	12	35	3	2.18 (50)	0.87		
	+	12	36	2	2.20 (50)			
NP21 / +	-	30	72	6	2.22 (108)	0.002		
	+	46	54	0	2.46 (100)			
NP21 > mSP	-	28	28	0	2.50 (56)	0.0021	NP21 / + (-)	
NP21 > SPR RNAi	-	13	35	2	2.22 (50)	0.66		
	+	16	31	3	2.26 (50)			
c587 / +	-	12	35	3	2.18 (50)	0.0168		Fig 2E
	+	23	26	1	2.44 (50)			
c587 > mSP	-	12	30	8	2.08 (50)	0.7372	c587 / + (-)	
c587 > SPR RNAi	-	10	37	3	2.14 (50)	0.0354		
	+	20	28	2	2.36 (50)			
yw (standard food)	-	12	34	4	2.16 (50)			S2B Fig
yw (yeast food)	+	24	26	0	2.48 (50)	0.0015	yw (standard food) (-)	
	-	14	33	3	2.22 (50)	0.5428		

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		3 GSCs	2 GSCs	1 GSCs				
<i>c587</i> / +	-	19	51	5	2.19 (75)	0.0082		Fig 3B
	+	32	43	0	2.43 (75)			
<i>c587</i> > <i>nvd</i> RNAi	-	19	51	6	2.16 (75)	0.38		
	+	21	51	3	2.24 (75)			
<i>c587</i> > <i>nvd</i> RNAi; <i>nvd-Bm</i> [wt]	-	15	51	9	2.08 (75)	0.0007		
	+	31	43	1	2.40 (75)			
<i>c587</i> > <i>nvd</i> RNAi; <i>nvd-Bm</i> [H190A]	-	17	48	10	2.09 (75)	0.34		Fig 3E
	+	20	49	6	2.19 (75)			
<i>EcR</i> ^{A483T} or <i>EcR</i> ^{M554fs} / +	-	9	32	9	2.00 (50)	0.0067		
	+	21	25	4	2.34 (50)			
<i>EcR</i> ^{A483T} / <i>EcR</i> ^{M554fs}	-	10	28	12	1.96 (50)	0.45		
	+	5	33	12	1.86 (50)			
<i>c587</i> / +	-	15	29	6	2.18 (50)	0.014		Fig 3F
	+	25	24	1	2.48 (50)			
<i>c587</i> > <i>EcR</i> RNAi	-	11	36	3	2.16 (50)	0.9		
	+	12	33	5	2.14 (50)			
<i>c587</i> / + (EtOH)	-	11	35	4	2.14 (50)	0.0042		Fig 3F
	+	24	25	1	2.46 (50)			
<i>c587</i> > <i>nvd</i> RNAi (EtOH)	-	10	36	4	2.12 (50)	0.43		
	+	15	30	5	2.20 (50)			
<i>c587</i> > <i>nvd</i> RNAi (7dC)	-	21	69	10	2.11 (100)	0.04		
	+	34	66	3	2.37 (103)			
<i>c587</i> > <i>nvd</i> RNAi (20E)	-	12	55	8	2.05 (75)	0.0000		
	+	33	42	0	2.44 (75)			
<i>c587</i> > <i>sad</i> RNAi (EtOH)	-	16	49	10	2.08 (75)	0.59		
	+	15	55	5	2.13 (75)			
<i>c587</i> > <i>sad</i> RNAi (20E)	-	17	53	5	2.16 (75)	0.0027		S5 Fig
	+	33	41	1	2.43 (75)			
<i>nos</i> / +	-	14	29	7	2.14 (50)	0.01226		
	+	23	27	0	2.46 (50)			
<i>nos</i> > <i>nvd</i> RNAi	-	12	31	7	2.10 (50)	0.00594 2		
	+	25	25	0	2.50 (50)			
<i>nos</i> > <i>sad</i> RNAi	-	16	26	8	2.16 (50)	0.01799		
	+	25	24	1	2.48 (50)			
<i>nos</i> > <i>EcR</i> RNAi	-	12	31	7	2.10 (50)	0.0135		
	+	25	25	0	2.50 (50)			
<i>c587</i> / + (4-day-old)	-	16	43	6	2.15 (65)	0.0039		S6A Fig
	+	29	36	0	2.45 (65)			
<i>c587</i> > <i>InR</i> RNAi (4-day-old)	-	11	43	11	2.00 (65)	0.0067		
	+	20	43	2	2.28 (65)			
<i>c587</i> > <i>InR</i> DN (4-day-old)	-	15	40	10	2.08 (65)	0.0305		
	+	22	40	3	2.29 (65)			

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		3 GSCs	2 GSCs	1 GSCs				
<i>c587</i> / + (10-day-old)	-	18	42	5	2.20 (65)			S6B Fig
<i>c587</i> > <i>InR</i> RNAi (10-day-old)	-	5	39	16	1.82 (60)	0.0003	<i>c587</i> / + (10-day-old)	
<i>c587</i> > <i>InR</i> DN (10-day-old)	-	7	47	6	2.02 (60)	0.0457	<i>c587</i> / + (10-day-old)	
<i>yw</i> (+control diet)	-	13	40	2	2.20 (50)	0.01663		S6C Fig
	+	24	31	0	2.44 (50)			
<i>yw</i> (+protein-free diet)	-	13	39	3	2.18 (50)	0.007889		
	+	25	30	0	2.45 (50)			
<i>yw</i> wild-type (EtOH)	-	16	26	8	2.16 (50)	0.01799		S7A Fig
	+	25	24	1	2.48 (50)			
<i>yw</i> wild-type (JHa)	-	15	32	3	2.24 (50)	0.02218		
	+	25	25	0	2.50 (50)			
<i>Aug21</i> / +	-	11	36	3	2.16 (50)	0.0091		S7B Fig
	+	22	28	0	2.44 (50)			
<i>Aug21</i> > <i>JHAMT</i> RNAi	-	12	35	3	2.18 (50)	0.0424		
	+	20	30	0	2.40 (50)			
<i>Aug21</i> > <i>NiPp1</i>	-	12	40	8	2.07 (60)	0.003379		
	+	25	33	2	2.38 (60)			
<i>c587</i> / +	-	12	32	6	2.12 (50)	0.004643		S7C Fig
	+	23	27	0	2.46 (50)			
<i>c587</i> > <i>Met</i> RNAi	-	9	32	9	2.00 (50)	0.000587		
	+	21	29	0	2.42 (50)			
<i>c587</i> > <i>Gce</i> RNAi	-	10	31	9	2.02 (50)	0.0026		
	+	22	26	2	2.40 (50)			
<i>c587</i> > <i>Met</i> RNAi	-	10	33	7	2.06 (50)	0.000825		Fig 5C
	+	23	27	0	2.46 (50)			
<i>ppk</i> / + (EtOH)	-	17	31	2	2.30 (50)	0.0031		
	+	24	26	0	2.48 (50)			
<i>ppk</i> > <i>SPR</i> RNAi (EtOH)	-	15	34	1	2.28 (50)	0.83		
	+	14	35	1	2.26 (50)			
<i>ppk</i> > <i>SPR</i> RNAi (20E)	-	13	34	3	2.20 (50)	0.021		
	+	24	26	0	2.48 (50)			
<i>ppk</i> / + (20E)	-	15	34	1	2.28 (50)	0.013		
	+	27	23	0	2.48 (50)			
<i>NP21</i> / + (EtOH)	-	15	33	2	2.54 (50)	0.017		
	+	26	24	0	2.26 (50)			
<i>NP21</i> > <i>SPR</i> RNAi (EtOH)	-	14	33	3	2.52 (50)	0.92		
	+	15	30	5	2.22 (50)			
<i>NP21</i> > <i>SPR</i> RNAi (20E)	-	14	32	4	2.20 (50)	0.04		
	+	22	28	0	2.44 (50)			
<i>NP21</i> / + (20E)	-	15	33	1	2.24 (50)	0.021		
	+	24	26	1	2.50 (50)			

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		3 GSCs	2 GSCs	1 GSCs				
yw wild-type (EtOH)	-	18	35	7	2.18 (60)	0.005624		Fig 5D
	+	30	30	0	2.50 (60)			
yw wild-type (EtOH)	-	19	39	2	2.28 (60)	0.421	yw wild-type (EtOH)	
yw wild-type (20E)	+	17	40	3	2.23 (60)	0.724	yw wild-type (EtOH)	
yw wild-type (20E)	+ <i>SP^{0/Δ}</i>	19	35	6	2.22 (60)	0.7765	yw wild-type (EtOH)	