

Table S1 miRNA expression after *prg-1* mutation

	Embryo	L1	L2	L3	L4	Young adult
Expressed miRNAs	227	219	217	223	220	205
up	33	30	34	30	31	27
down	86	80	77	71	89	87
up(%)	14.54	13.70	15.67	13.45	14.09	13.17
down(%)	37.88	36.53	35.48	31.84	40.45	42.44
changed (%)	52.42	50.23	51.15	45.29	54.54	55.61

Table S2 miRNA expression during development

	wild type					<i>prg-1</i> mutant				
	L1/Embryo	L2/L1	L3/L2	L4/L3	YA/L4	L1/Embryo	L2/L1	L3/L2	L4/L3	YA/L4
Expressed miRNAs	208	201	205	208	206	224	223	212	209	203
up	39	28	30	33	59	35	13	19	12	12
non	112	154	152	158	95	141	203	181	178	190
down	57	19	23	17	52	48	7	12	19	1
up(%)	18.75	13.93	14.63	15.87	28.64	15.63	5.83	8.96	5.74	5.91
non(%)	53.85	76.62	74.15	75.96	46.12	62.94	91.03	85.38	85.17	93.60
down(%)	27.40	9.45	11.22	8.17	25.24	21.43	3.14	5.66	9.09	0.49

Table S3 Expression of protein-coding genes after *prg-1* mutation (P<0.05, q<0.01)

	L1	L2	L3	L4
total genes	16111	15998	15976	16220
changed genes	584	573	564	974
up	407	377	346	718
down	177	196	218	256
changed genes(%)	3.62	3.58	3.53	6.00
up(%)	69.69	65.79	61.35	73.72
down(%)	30.31	34.21	38.65	26.28