

Table S4

Fig ref	Strain / condition	no. of animals	mean lifespan	% lifespan change (vs control)	median lifespan	maximum lifespan	Log Rank Test <i>p</i> value relative to control
2A	N2 EV control	50	17.2		16	26	
	<i>daf-16</i> RNAi	56	13.6	21% decrease	14	22	<0.0001 (****)
	<i>mes-2(tm5007)</i> + EV control	51	19.0	11% increase	18	30	0.02 (*)
	<i>mes-2(tm5007)</i> + <i>daf-16</i> RNAi	49	14.0	26% decrease (vs <i>mes-2</i> EV)	14	18	0.94 (ns) compared with <i>daf-16</i> <0.0001 (****) compared with <i>mes-2</i>
2A rep	N2 EV control	57	14.3		13	23	
	<i>daf-16</i> RNAi	56	12.5	13% decrease	13	17	0.0008 (***)
	<i>mes-2(tm5007)</i> + EV control	56	16.1	13% increase	15	30	0.02 (*)
	<i>mes-2(tm5007)</i> + <i>daf-16</i> RNAi	57	11.8	27% decrease (vs <i>mes-2</i> EV)	13	15	0.08 (ns) compared with <i>daf-16</i> <0.0001 (****) compared with <i>mes-2</i>
2B	N2 EV control	50	17.2		16	26	
	<i>daf-16</i> RNAi	57	13.8	20% decrease	14	22	<0.0001 (****)
	<i>jmjd-3.2(tm3121)</i> + EV control	59	18.6	8% increase	18	30	0.04 (*)
	<i>jmjd-3.2(tm3121)</i> + <i>daf-16</i> RNAi	54	14.3	23% decrease (vs <i>jmjd-3.2</i> in EV)	14	22	0.36 (ns) compared with <i>daf-16</i> <0.0001 (****) compared with <i>jmjd-3.2</i>
2B rep	N2 EV control	79	14.7		15	21	
	<i>daf-16</i> RNAi	79	13	12% decrease	13	19	<0.0001 (****)
	<i>jmjd-3.2(tm3121)</i> + EV control	76	16.1	10% increase	16	25	0.003 (**)
	<i>jmjd-3.2(tm3121)</i> + <i>daf-16</i> RNAi	79	13.2	18% decrease (vs <i>jmjd-3.2</i> in EV)	13	20	0.68 (ns) compared with <i>daf-16</i> <0.0001 (****) compared with <i>jmjd-3.2</i>
2C[#]	N2 EV control	50	17.1		16	26	
	<i>daf-16</i> RNAi	57	13.8	19% decrease	14	22	<0.0001 (****)
	<i>utx-1(tm3118)/+</i> + EV control	52	21.3	25% increase	20	34	<0.0001 (****)
	<i>utx-1(tm3118)/+</i> + <i>daf-16</i> RNAi	46	13.6	36% decrease (vs <i>tm3118</i> in EV)	14	20	0.58 (ns) compared with <i>daf-16</i> 16

							<0.0001 (****) compared with <i>utx-1</i>
2D	N2 EV control	49	17.8		18	28	
	N2 + <i>utx-1</i> RNAi	55	20.8	17% increase	20	32	0.003 (**)
	<i>jmjd-3.2(tm3121)</i> + EV	53	19.7	11% increase	20	32	0.03 (*)
	<i>jmjd-3.2(tm3121)</i> + <i>utx-1</i> RNAi	56	22.5	14% increase (vs <i>jmjd-3.2</i> in EV)	22	36	0.007 (**) compared with <i>jmjd-3.2</i> EV
2D rep	N2 EV control	79	14.7		15	21	
	N2 + <i>utx-1</i> RNAi	79	20.8	41% increase	19	34	<0.0001 (****)
	<i>jmjd-3.2(tm3121)</i> + EV	76	16.1	10% increase	16	25	0.003 (**)
	<i>jmjd-3.2(tm3121)</i> + <i>utx-1</i> RNAi	74	20.3	26% increase (vs <i>jmjd-3.2</i> in EV)	20	37	<0.0001 (****) compared with <i>jmjd-3.2</i> EV

Table S4. Statistical analysis of lifespan data relating to Fig 2

Full statistical analysis of lifespan data from Fig. 2 (****p<0.0001,***p<0.001,**p<0.01,*p<0.05, ns=not significant). #consistent with data reported in [14,15]. EV = empty vector control. Rep = repeat.