

Table S5

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
3C	N2 control	59	16.5		16	24	
	N2 + <i>jmjd-3.2 OE</i>	55	21.0	27% increase	20	36	<0.0001 (****)
	N2 + <i>jmjd-3.2DD OE</i>	59	22.0	33% increase	22	34	<0.0001 (****) compared with N2 control 0.57 (ns) compared with <i>jmjd-3.2 OE</i>
3C rep	N2 control	53	13.9		14	22	
	N2 + <i>jmjd-3.2 OE</i>	50	20.7	49% increase	20	32	<0.0001 (****)
	N2 + <i>jmjd-3.2DD OE</i>	53	19.8	42% increase	20	32	<0.0001 (****) compared with N2 control 0.61 (ns) compared with <i>jmjd-3.2 OE</i>
3D	N2 control	55	18.3		18	30	
	N2 + <i>utx-1 OE</i>	49	23.1	26% increase	22	38	<0.0001 (****)
	N2 + <i>utx-1DD OE</i>	54	17	26% decrease (vs <i>utx-1 OE</i>)	18	28	0.11 (ns) compared with N2 control <0.0001 (****) compared with <i>utx-1 OE</i>
3D rep	N2 control	52	17.5		16	28	
	N2 + <i>utx-1 OE</i>	58	20.6	18% increase	20	36	0.0013 (**) 0.58 (ns) compared with N2 control
	N2 + <i>utx-1DD OE</i>	57	17.1	17% decrease (vs <i>utx-1 OE</i>)	16	26	0.0002 (****) compared with <i>utx-1 OE</i>
3E	N2 control	99	15.6		16	26	
	<i>jmjd-3.2(tm3121)</i>	45	20.2	29% increase	20	32	<0.0001 (****)
	<i>jmjd-3.2(tm3121)+jmjd-3.2 OE</i>	53	18.3	17% increase (vs N2)	18	28	0.0007 (***) compared with N2 control 0.09 (ns)

							compared with <i>jmjd-3.2(tm3121)</i>
							0.0008 (***) compared with <i>N2</i> <i>control</i>
	<i>jmjd-3.2(tm3121)+ jmjd-3.2DD OE</i>	58	18.1	16% increase (vs <i>N2</i>)	18	30	0.14 (ns) compared with <i>jmjd-3.2(tm3121)</i> 0.81 (ns) compared with <i>jmjd-3.2(tm3121) + jmjd-3.2 OE</i>
3F	<i>N2 control</i>	48	14.9		14	22	
	<i>utx-1(tm3118)/+</i>	42	21.0	41% increase	20	34	<0.0001 (****)
	<i>utx-1(tm3118) + utx-1 OE</i>	44	29.6	99% increase (vs <i>N2</i>) 41% increase (vs <i>utx-1(tm3118)/+</i>)	30	50	<0.0001 (****) compared with <i>N2</i> <i>control</i> <0.0001 (****) compared with <i>utx- 1(tm3118)/+</i>
	<i>utx-1(tm3118) + utx-1DD OE</i>	44	20.1	35% increase (vs <i>N2</i>) 32% decrease (vs <i>utx- 1(tm3118)+utx-1 OE</i>)	19	34	<0.0001 (****) compared with <i>N2</i> <i>control</i> 0.49 (ns) compared with <i>utx- 1(tm3118)/+</i> <0.0001 (****) compared with <i>utx- 1(tm3118) + utx-1 OE</i>
3F rep	<i>N2 control</i>	56	14.7		14	24	
	<i>utx-1(tm3118)/+</i>	46	16.9	15% increase	16	30	0.0067 (**)
	<i>utx-1(tm3118) + utx-1 OE</i>	46	21.3	45% increase (vs <i>N2</i>) 26% increase (vs <i>utx-1(tm3118)/+</i>)	18	38	<0.0001 (****) compared with <i>N2</i> <i>control</i> <0.0001 (****) compared with <i>utx- 1(tm3118)/+</i>
	<i>utx-1(tm3118) + utx-1DD OE</i>	54	17.8	21% increase (vs <i>N2</i>) 16% decrease (vs <i>utx- 1(tm3118)+utx-1 OE</i>)	18	30	0.0001 (***) compared with <i>N2</i> <i>control</i> 0.47 (ns) compared with <i>utx- 1(tm3118)/+</i> 0.0041 (**) compared with <i>utx- 1(tm3118) + utx-1 OE</i>

Table S5. Statistical analysis of lifespan data relating to Figure 3

Full statistical analysis of lifespan data from Fig. 3 (**** $p < 0.0001$, *** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$, ns=not significant). Rep = repeat.