

Table S1. Summary of lifespan experiments and longevity statistics.

Fig. 2a	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank Value				Total Animals Died/Total
								UAS foxo ^H /Tub ^{Gal4} RU486(-)	UAS foxo ^H /Tub ^{Gal4} RU486(+)	UAS foxo ^L /Tub ^{Gal4} RU486(-)	UAS foxo ^L /Tub ^{Gal4} RU486(+)	
	UAS foxo ^H /Tub ^{Gal4} RU486(-)	52.50	1.64	58.00	1.40	100.00	78.00		0.00	0.00	0.53	110/110
	UAS foxo ^H /Tub ^{Gal4} RU486(+)	10.70	0.20	11.00	0.21	18.97	20.00	0.00		0.00	0.00	273/273
	UAS foxo ^L /Tub ^{Gal4} RU486(-)	66.90	2.28	68.00	3.16	117.24	86.00	0.00	0.00		0.00	40/40
	UAS foxo ^L /Tub ^{Gal4} RU486(+)	46.20	1.82	46.00	1.93	79.31	80.00	0.53	0.00	0.00		117/117

Fig. 3d	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank Value				Total Animals Died/Total
								UAS foxo ^H /Tub ^{Gal4} RU486(+)	UAS foxo ^H /Tub ^{Gal4} RU486(+) PR	UAS foxo ^H /Tub ^{Gal4} RU486(+)		
	UAS foxo ^H /Tub ^{Gal4} RU486(+)	10.70	0.20	11.00	0.21	100.00	20.00		0.18	0.00		273/273
	UAS foxo ^H /Tub ^{Gal4} RU486(+) PR	10.49	0.22	10.00	0.35	90.91	16.00	0.18		0.00		193/193
	UAS foxo ^H /Tub ^{Gal4} RU486(+) CR	6.80	0.24	7.00	0.34	63.64	12.00	0.00	0.00			118/118

Fig. 3e	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank Value				Total Animals Died/Total
								UAS foxo ^L /Tub ^{Gal4} RU486(+)	UAS foxo ^L /Tub ^{Gal4} RU486(+) PR	UAS foxo ^L /Tub ^{Gal4} RU486(+)		
	UAS foxo ^L /Tub ^{Gal4} RU486(+)	46.20	1.82	46.00	1.93	100.00	80.00		0.73	0.00		117/117
	UAS foxo ^L /Tub ^{Gal4} RU486(+) PR	49.18	1.48	50.00	2.28	108.70	78.00	0.73		0.00		120/120
	UAS foxo ^L /Tub ^{Gal4} RU486(+) CR	25.13	0.84	26.00	1.17	56.52	42.00	0.00	0.00			120/120

Fig. 3f	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank Value				Total Animals Died/Total
								UAS foxo ^H /Tub ^{Gal4} RU486(+)	UAS foxo ^H /Tub ^{Gal4} RU486(+) SS	UAS foxo ^L /Tub ^{Gal4} RU486(+)	UAS foxo ^L /Tub ^{Gal4} RU486(+) SS	
	UAS foxo ^H /Tub ^{Gal4} RU486(+)	10.77	0.20	11.00	0.21	100.00	20.00		0.86	0.00	0.00	273/273
	UAS foxo ^H /Tub ^{Gal4} RU486(+) SS	10.26	0.38	11.00	0.96	100.00	16.00	0.86		0.00	0.00	105/105
	UAS foxo ^L /Tub ^{Gal4} RU486(+)	46.23	1.82	46.00	1.93	418.18	80.00	0.00	0.00		0.00	117/117
	UAS foxo ^L /Tub ^{Gal4} RU486(+) SS	54.43	1.59	54.00	1.83	490.91	85.00	0.00	0.00	0.00		120/120

Fig. 4b	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank P Value				Total Animals Died/Total
								+MhcGal4	UAS foxo ^H / Mhc ^{Gal4}	UAS foxo ^L / Mhc ^{Gal4}		
	+MhcGal4	58.738	0.943	58.000	1.080	100.00	8.00		0.00			229/229
	UAS foxo ^H / Mhc ^{Gal4}	49.695	0.997	48.000	1.449	82.76	91.00	0.00		0.00		210/210
	UAS foxo ^L / Mhc ^{Gal4}	65.995	1.329	66.000	2.079	113.79	102.00	0.00	0.00			197/197

Fig. 4f	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank P Value				Total Animals Died/Total
								+Mef2Gal4	UAS foxo ^L / Mef2 ^{Gal4}			
	+Mef2Gal4	57.48	1.11	59.00	1.62	100.00	80.00		0.00			197/197
	UAS foxo ^L / Mef2 ^{Gal4}	70.58	1.58	74.00	2.52	125.42	102.00	0.00				175/175

Fig. 5c	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank P Value				Total Animals Died/Total
								+tinC.Δ4 ^{Gal4}	UAS foxo ^H /tinC.Δ4 ^{Gal4}	UAS foxo ^L /tinC.Δ4 ^{Gal4}		
	+tinC.Δ4 ^{Gal4}	53.978	1.534	52.000	2.098	100.00	81.00		0.00	0.00		138/138
	UAS foxo ^H /tinC.Δ4 ^{Gal4}	22.710	1.736	19.000	4.000	36.54	58.00	0.00		0.00		100/100
	UAS foxo ^L /tinC.Δ4 ^{Gal4}	56.156	2.108	60.000	2.274	115.38	85.00	0.00	0.00			122/122

Fig. 7g	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank P Value				Total Animals Died/Total
								UAS foxo ^H /UAS cncC ^{RNAi} /Tub ^{Gal4} RU486(-)	UAS foxo ^H /UAS cncC ^{RNAi} /Tub ^{Gal4} RU486(+)			
	UAS foxo ^H /UAS cncC ^{RNAi} /Tub ^{Gal4} RU486(-)	36.200	2.561	53.000	2.981	100	79		0.00			120/120
	UAS foxo ^H /UAS cncC ^{RNAi} /Tub ^{Gal4} RU486(+)	20.067	0.604	8.000	0.381	15.09433962	16	0.00				128/130

Fig. 7h	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank Value				Total Animals Died/Total
								UAS foxo ^H / Tub ^{Gal4} RU486(+)	UAS foxo ^H /UAS cncC ^{RNAi} /Tub ^{Gal4} RU486(+)			
	UAS foxo ^H / Tub ^{Gal4} RU486(+)	8.728	0.210	11.000	0.170	100	20		0.00			273/273
	UAS foxo ^H /UAS cncC ^{RNAi} /Tub ^{Gal4} RU486(+)	20.067	0.604	8.000	0.381	72.72727273	16	0.00				128/130

Suppl. Fig. S7a	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank Value				Total Animals Died/Total
								UAS foxo ^H /Tub ^{Gal4} RU486(+)	UAS foxo ^H /Tub ^{Gal4} RU486(+) PS341 5 μM	UAS foxo ^L /Tub ^{Gal4} RU486(+)	UAS foxo ^L /Tub ^{Gal4} RU486(+) PS341 5 μM	
	UAS foxo ^H /Tub ^{Gal4} RU486(+)	10.77	0.20	11.00	0.21	100.00	20.00		0.00	0.00	0.00	273/273
	UAS foxo ^H /Tub ^{Gal4} RU486(+) PS341 5 μM	8.46	0.21	9.00	0.35	81.82	14.00	0.00		0.00	0.00	179/179
	UAS foxo ^L /Tub ^{Gal4} RU486(+)	45.86	1.86	46.00	3.833	418.18	80.00	0.00	0.00		0.00	117/117
	UAS foxo ^L /Tub ^{Gal4} RU486(+) PS341 5 μM	11.56	1.50	12.00	0.2609	109.09	20.00	0.00	0.00	0.00		80/80

Suppl. Fig. S8g	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank Value				Total Animals Died/Total
								UAS foxo ^H /UAS cncC/Tub ^{Gal4} RU486(-)	UAS foxo ^H /UAS cncC/Tub ^{Gal4} RU486(+)			
	UAS foxo ^H /UAS cncC/Tub ^{Gal4} RU486(-)	42.999	1.905	46.000	1.747	100	76		0.00			112/115
	UAS foxo ^H /UAS cncC/Tub ^{Gal4} RU486(+)	9.742	0.230	10.000	0.313	21.73913043	17	0.00				159/159

Suppl. Fig. S8h	Sample	Mean Lifespan (LF) +/- s.e.m. (Days)		Median Lifespan +/- s.e.m. (Days)		% Median LF vs. control	Max (Days)	Log Rank Value				Total Animals Died/Total
								UAS foxo ^H / Tub ^{Gal4} RU486(+)	UAS foxo ^H /UAS cncC/Tub ^{Gal4} RU486(+)			
	UAS foxo ^H / Tub ^{Gal4} RU486(+)	11.132	0.163	11.000	0.170	100	20		0.00			273/273
	UAS foxo ^H /UAS cncC/Tub ^{Gal4} RU486(+)	9.742	0.230	10.000	0.313	90.90909091	17	0.00				159/159