

esgGal4 > + (y¹w¹/w¹¹¹⁸ outcrossed background)

Population	Sex	Genotype	n	Mean Lifespan	25% dead	75% dead	ChiSquare		p-value	
							Log Rank	Wilcoxon	Log Rank	Wilcoxon
A	Males	+ > +	35	47.3	40	57	0.7	0.1	0.38	0.73
		esgGal4 > +	83	47.3	42	55				
		<i>percent extension</i>		0.0%	5.0%	-3.5%				
	Females	+ > +	54	53.3	47	61	1.2	1.8	0.28	0.17
		esgGal4 > +	101	51.2	45	59				
		<i>percent extension</i>		-3.9%	-4.3%	-3.3%				
B	Males	+ > +	64	45.1	38	51	6.4	8.4	0.01	0.004
		esgGal4 > +	94	50.2	42	55				
		<i>percent extension</i>		11.3%	10.5%	7.8%				
	Females	+ > +	46	46.3	34	53	0.1	0.2	0.72	0.66
		esgGal4 > +	93	45.8	40	55				
		<i>percent extension</i>		-1.1%	17.6%	3.8%				
C	Males	+ > +	46	47.2	42	53	0.7	4.6	0.03	0.03
		esgGal4 > +	78	44	38	49				
		<i>percent extension</i>		-6.8%	-9.5%	-7.5%				
	Females	+ > +	50	48.5	45	53	0.2	0.2	0.62	0.62
		esgGal4 > +	69	47.8	42	55				
		<i>percent extension</i>		-1.4%	-6.7%	3.8%				
D	Males	+ > +	64	45.4	38	53	21.4	12.3	<0.0001	0.0004
		esgGal4 > +	107	39.7	38	45				
		<i>percent extension</i>		-12.6%	0.0%	-15.1%				
	Females	+ > +	70	42.7	36	53	2	6.2	0.15	0.01
		esgGal4 > +	99	46.4	42	51				
		<i>percent extension</i>		8.7%	16.7%	-3.8%				
E	Males	+ > +	62	45.7	40	53	12	24.6	0.005	<0.0001
		esgGal4 > +	93	38.2	30	45				
		<i>percent extension</i>		-16.4%	-25.0%	-15.1%				
	Females	+ > +	68	45.6	38	53	0.7	2	0.38	0.16
		esgGal4 > +	78	43.5	38	51				
		<i>percent extension</i>		-4.6%	0.0%	-3.8%				
F	Males	+ > +	49	44.7	38	51	1	5	0.3	0.02
		esgGal4 > +	118	48.4	45	55				
		<i>percent extension</i>		8.3%	18.4%	7.8%				
	Females	+ > +	57	36.2	28	40	5.7	16.3	0.02	<0.0001
		esgGal4 > +	105	41.7	36	47				
		<i>percent extension</i>		15.2%	28.6%	17.5%				
Total	Males	+ > +	320	45.8	38	53	3.6	3.7	0.06	0.05
		esgGal4 > +	573	44.7	38	53				
		<i>percent extension</i>		-2.4%	0.0%	0.0%				
	Females	+ > +	345	45.2	36	53	0.1	0.5	0.79	0.44
		esgGal4 > +	545	46	40	53				
		<i>percent extension</i>		1.8%	11.1%	0.0%				

esgGal4 > Foxo ($y^1 w^1 / w^{1118}$ outcrossed background)

Population	Sex	Genotype	n	Mean Lifespan	25% dead	75% dead	ChiSquare		p-value	
							Log Rank	Wilcoxon	Log Rank	Wilcoxon
A	Males	+ > Foxo	30	53.9	51	61	41.7	36.2	<0.0001	<0.0001
		esgGal4 > Foxo	34	35.6	29	47				
		<i>percent extension</i>		-33.9%	-43.1%	-22.9%				
	Females	+ > Foxo	41	58.7	53	67	9.5	13.3	0.002	0.0003
		esgGal4 > Foxo	43	47.1	37	61				
		<i>percent extension</i>		-19.8%	-30.2%	-8.9%				
B	Males	+ > Foxo	35	53.5	55	59	49.6	36.3	<0.0001	<0.0001
		esgGal4 > Foxo	46	38.7	35	47				
		<i>percent extension</i>		-27.7%	-36.3%	-20.3%				
	Females	+ > Foxo	22	60.7	53	75	0.2	0.1	0.64	0.82
		esgGal4 > Foxo	28	60.3	55	71				
		<i>percent extension</i>		-0.6%	+3.7%	-5.3%				
C	Males	+ > Foxo	42	48.6	43	55	18.9	19.6	<0.0001	<0.0001
		esgGal4 > Foxo	54	40.7	37	47				
		<i>percent extension</i>		-16.3%	-13.9%	-14.5%				
	Females	+ > Foxo	41	52.9	47	65	2.2	3.8	0.14	0.05
		esgGal4 > Foxo	46	48.9	39	57				
		<i>percent extension</i>		-7.6%	-17%	-12.3%				
D	Males	+ > Foxo	43	49.4	47	59	60.9	46	<0.0001	<0.0001
		esgGal4 > Foxo	43	34.5	29	41				
		<i>percent extension</i>		-30.2%	-38.3%	-30.5%				
	Females	+ > Foxo	36	55.7	55	63	16	18	<0.0001	<0.0001
		esgGal4 > Foxo	41	45	45	53				
		<i>percent extension</i>		-19.2%	-18.2%	-15.9%				
E	Males	+ > Foxo	39	49.8	49	59	41	31.3	<0.0001	<0.0001
		esgGal4 > Foxo	40	37.2	35	43				
		<i>percent extension</i>		-25.3%	-28.6%	-27.1%				
	Females	+ > Foxo	40	53.5	53	63	9.1	9.9	0.002	0.001
		esgGal4 > Foxo	37	48.1	45	53				
		<i>percent extension</i>		-10.1%	-15.1%	-15.9%				
Total	Males	+ > Foxo	189	50.8	47	59	191.4	156.7	<0.0001	<0.0001
		esgGal4 > Foxo	217	37.6	33	45				
		<i>percent extension</i>		-26.0%	-29.8%	-23.7%				
	Females	+ > Foxo	179	55.7	53	65	24.2	32	<0.0001	<0.0001
		esgGal4 > Foxo	192	48.6	43	57				
		<i>percent extension</i>		-12.7%	-18.9%	-12.3%				

