

Table S3

Gal4	UAS	Sex	Rep ¹	UAS			Gal4			Gal4 + UAS			% Extension		P
				n	Mean	Max ²	n	Mean	Max ²	n	Mean	Max ²	Mean	Max ²	
daGal4	2.1	♀	1	115	55.4	78	110	66.3	95	120	66.7	81	0.6	0.0	0.0013
daGal4	2.1	♀	2	114	66.2	94	95	70.8	90	90	75.7	90	6.9	0.0	0.7069
daGal4	2.1	♀	3	112	58.9	81	119	71.5	88	117	62.1	74	0.0	-8.6	
daGal4	2.1	♀	4	118	60.2	87	113	70.6	87	118	65.9	80	0.0	-8.0	
daGal4	2.1	♀	5	90	63.1	76	102	69.3	87	103	65.9	80	0.0	0.0	
daGal4	2.1	♀	6	111	58.8	72	109	71.9	86	111	64.3	79	0.0	0.0	
daGal4	2.1	♂	1	117	49.4	75	113	50.6	75	116	45.6	51	-7.7	-32.0	<0.0001
daGal4	2.1	♂	2	113	52.3	63	107	53.9	70	118	47.1	60	-9.9	-4.8	<0.0001
daGal4	2.1	♂	3	113	56.0	67	118	64.2	81	117	50.5	57	-9.7	-14.9	<0.0001
daGal4	2.1	♂	4	112	57.0	69	117	60.5	80	116	52.0	66	-8.9	-4.3	<0.0001
daGal4	2.1	♂	5	102	55.5	69	100	60.5	73	117	52.9	66	-4.7	-4.3	0.0035
daGal4	2.1	♂	6	117	54.0	68	107	59.7	72	112	54.5	68	0.0	0.0	
daGal4	4.3	♀	1	121	53.9	66	102	71.8	94	122	66.0	85	0.0	0.0	
daGal4	4.3	♀	2	111	54.2	69	107	70.3	97	100	68.0	87	0.0	0.0	
daGal4	4.3	♀	3	112	54.8	70	119	71.5	88	118	56.7	74	0.0	0.0	
daGal4	4.3	♀	4	119	51.0	66	113	70.6	87	117	62.5	76	0.0	0.0	
daGal4	4.3	♀	5	119	48.2	62	102	69.3	87	109	54.4	66	0.0	0.0	
daGal4	4.3	♀	6	122	51.7	68	109	71.9	86	117	61.2	79	0.0	0.0	
daGal4	4.3	♂	1	120	48.0	59	114	59.1	85	118	41.9	46	-12.7	-22.0	<0.0001
daGal4	4.3	♂	2	120	48.2	63	115	57.7	76	115	41.5	45	-13.9	-28.6	<0.0001
daGal4	4.3	♂	3	118	46.8	53	118	64.2	81	119	40.3	49	-14.0	-7.5	<0.0001
daGal4	4.3	♂	4	113	43.0	52	117	60.5	80	112	42.0	52	-2.3	0.0	0.6680
daGal4	4.3	♂	5	118	48.1	56	100	60.5	73	107	38.7	52	-19.5	-7.1	<0.0001
daGal4	4.3	♂	6	120	46.2	55	107	59.7	72	119	38.0	47	-17.7	-14.5	<0.0001
daGal4	9.1	♀	1	119	54.6	74	119	71.5	88	115	53.9	67	-1.2	-9.5	0.9776
daGal4	9.1	♀	2	118	56.2	73	113	70.6	87	120	55.3	69	-1.6	-5.5	0.5707
daGal4	9.1	♀	3	126	52.0	66	102	69.3	87	120	52.5	66	0.0	0.0	
daGal4	9.1	♀	4	118	54.8	75	109	71.9	86	116	57.0	72	0.0	-4.0	
daGal4	9.1	♂	1	116	47.0	60	118	64.2	81	116	46.4	53	-1.2	-11.7	0.2053
daGal4	9.1	♂	2	117	48.6	59	117	60.5	80	120	44.9	56	-7.8	-5.1	<0.0001
daGal4	9.1	♂	3	116	44.6	56	100	60.5	73	126	41.5	52	-7.1	-7.1	0.0019
daGal4	9.1	♂	4	115	50.5	61	107	59.7	72	116	44.1	55	-12.6	-9.8	<0.0001
daGal4	3.2	♀	1	118	70.5	93	116	55.8	79	117	58.0	62	0.0	-21.5	
daGal4	3.2	♀	2	117	74.2	101	116	61.7	88	115	58.8	66	-4.7	-25.0	<0.0001
daGal4	3.2	♀	3	113	69.5	81	119	71.5	88	119	50.5	57	-27.2	-29.6	<0.0001
daGal4	3.2	♀	4	118	74.0	87	113	70.6	87	122	51.3	56	-27.4	-35.6	<0.0001
daGal4	3.2	♀	5	110	67.2	87	102	69.3	87	115	52.4	56	-22.0	-35.6	<0.0001
daGal4	3.2	♀	6	115	71.0	86	109	71.9	86	118	50.6	55	-28.7	-36.0	<0.0001
daGal4	3.2	♂	1	116	62.4	84	118	48.1	62	118	42.6	51	-11.4	-17.7	<0.0001
daGal4	3.2	♂	2	103	63.5	88	121	50.0	66	119	43.4	52	-13.2	-21.2	<0.0001
daGal4	3.2	♂	3	116	62.3	81	118	64.2	81	116	39.9	53	-35.9	-34.6	<0.0001
daGal4	3.2	♂	4	118	65.0	83	117	60.5	80	120	42.4	52	-29.9	-35.0	<0.0001
daGal4	3.2	♂	5	110	60.5	73	100	60.5	73	115	35.9	41	-40.7	-43.8	<0.0001
daGal4	3.2	♂	6	116	64.1	79	107	59.7	72	117	39.9	51	-33.2	-29.2	<0.0001
daGal4	10.1	♀	1	117	68.4	88	119	71.5	88	121	62.3	81	-8.9	-8.0	<0.0001
daGal4	10.1	♀	2	110	63.2	87	113	70.6	87	115	65.2	80	0.0	-8.0	
daGal4	10.1	♀	3	111	63.0	80	102	69.3	87	97	61.0	80	-3.2	0.0	0.3652
daGal4	10.1	♀	4	116	64.1	86	109	71.9	86	115	55.9	72	-12.8	-16.3	<0.0001
daGal4	10.1	♂	1	113	69.3	84	118	64.2	81	119	58.1	67	-9.6	-17.3	<0.0001
daGal4	10.1	♂	2	121	67.3	83	117	60.5	80	118	57.7	69	-4.5	-13.8	0.0720
daGal4	10.1	♂	3	96	64.9	80	100	60.5	73	109	57.5	66	-5.0	-9.6	<0.0001
daGal4	10.1	♂	4	122	63.0	82	107	59.7	72	119	58.6	68	-1.8	-5.6	0.0248

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Gal4	UAS	Sex	Rep ¹	UAS			Gal4			Gal4 + UAS			% Extension		P
				n	Mean	Max ²	n	Mean	Max ²	n	Mean	Max ²	Mean	Max ²	
daGal4	3.1	♀	1	117	60.5	87	117	57.0	84	118	73.5	91	21.6	4.6	<0.0001
daGal4	3.1	♀	2	113	63.8	87	116	69.1	94	119	75.2	94	8.8	0.0	0.2671
daGal4	3.1	♀	3	118	83.7	106	102	71.8	94	108	73.5	91	0.0	-3.2	
daGal4	3.1	♀	4	120	78.2	105	107	70.3	97	121	69.3	84	-1.4	-13.4	0.5209
daGal4	3.1	♀	5	110	68.0	84	119	71.5	88	115	60.5	81	-11.0	-3.6	0.0003
daGal4	3.1	♀	6	118	58.4	80	113	70.6	87	110	61.3	80	0.0	0.0	
daGal4	3.1	♀	7	94	62.1	73	102	69.3	87	101	64.3	83	0.0	0.0	
daGal4	3.1	♀	8	102	54.9	75	109	71.9	86	118	57.3	75	0.0	0.0	
daGal4	3.1	♂	1	116	48.6	78	122	48.6	68	121	46.6	63	-4.0	-7.4	0.0275
daGal4	3.1	♂	2	115	45.6	57	116	56.7	80	119	47.6	60	0.0	0.0	
daGal4	3.1	♂	3	116	72.8	98	114	59.1	85	122	62.3	77	0.0	-9.4	
daGal4	3.1	♂	4	121	67.8	87	115	57.7	76	118	56.9	72	-1.4	-5.3	0.9662
daGal4	3.1	♂	5	115	66.3	81	118	64.2	81	116	53.8	67	-16.1	-17.3	<0.0001
daGal4	3.1	♂	6	119	61.2	80	117	60.5	80	119	54.0	66	-10.6	-17.5	<0.0001
daGal4	3.1	♂	7	102	59.3	80	100	60.5	73	117	51.5	62	-13.1	-15.1	<0.0001
daGal4	3.1	♂	8	117	59.9	79	107	59.7	72	119	51.6	65	-13.5	-9.7	<0.0001
daGal4	4.4	♀	1	118	63.7	81	119	71.5	88	119	56.8	74	-10.8	-8.6	<0.0001
daGal4	4.4	♀	2	120	55.7	80	113	70.6	87	86	62.1	76	0.0	-5.0	
daGal4	4.4	♀	3	97	62.9	80	102	69.3	87	112	54.3	73	-13.6	-8.8	<0.0001
daGal4	4.4	♀	4	119	52.7	79	109	71.9	86	113	59.8	79	0.0	0.0	
daGal4	4.4	♂	1	117	61.2	74	118	64.2	81	117	50.5	63	-17.4	-14.9	<0.0001
daGal4	4.4	♂	2	119	53.6	69	117	60.5	80	114	52.3	66	-2.3	-4.3	0.3705
daGal4	4.4	♂	3	108	56.1	66	100	60.5	73	122	51.0	56	-9.1	-15.2	<0.0001
daGal4	4.4	♂	4	117	54.1	68	107	59.7	72	117	53.4	65	-1.3	-4.4	0.0029
DJ694	2.1	♀	1	115	55.4	78	112	72.7	88	120	79.2	91	9.0	3.4	<0.0001
DJ694	2.1	♀	2	114	66.2	94	114	76.3	94	120	85.8	94	12.4	0.0	<0.0001
DJ694	2.1	♀	3	120	65.1	75	119	74.0	83	119	74.0	83	0.1	0.0	0.2063
DJ694	2.1	♀	4	118	58.0	71	117	68.3	82	120	68.0	82	0.0	0.0	
DJ694	2.1	♀	5	119	62.2	82	118	72.3	90	120	68.5	82	0.0	0.0	
DJ694	2.1	♀	6	121	57.2	70	115	69.3	81	120	67.4	77	0.0	0.0	
DJ694	2.1	♂	1	117	49.4	75	111	51.3	64	119	61.0	75	19.0	0.0	<0.0001
DJ694	2.1	♂	2	113	52.3	63	113	66.0	74	115	60.6	74	0.0	0.0	
DJ694	2.1	♂	3	121	53.5	68	121	58.2	68	120	54.8	72	0.0	5.9	
DJ694	2.1	♂	4	119	51.5	64	122	60.9	78	119	57.0	71	0.0	0.0	
DJ694	2.1	♂	5	119	47.9	61	119	60.0	74	118	57.2	71	0.0	0.0	
DJ694	2.1	♂	6	122	51.8	70	121	62.6	77	121	56.0	63	0.0	-10.0	
DJ694	4.3	♀	1	121	53.9	66	118	80.7	101	123	71.3	85	0.0	0.0	
DJ694	4.3	♀	2	111	54.2	69	90	75.2	97	109	72.3	84	0.0	0.0	
DJ694	4.3	♀	3	119	47.4	58	119	74.0	83	116	58.6	68	0.0	0.0	
DJ694	4.3	♀	4	114	42.4	57	117	68.3	82	120	52.8	71	0.0	0.0	
DJ694	4.3	♀	5	120	44.4	57	118	72.3	90	118	59.0	71	0.0	0.0	
DJ694	4.3	♀	6	115	41.5	59	115	69.3	81	118	55.0	77	0.0	0.0	
DJ694	4.3	♂	1	120	48.0	59	114	75.5	91	114	49.1	63	0.0	0.0	
DJ694	4.3	♂	2	120	48.2	63	105	74.6	97	116	51.7	65	0.0	0.0	
DJ694	4.3	♂	3	122	34.0	44	121	58.2	68	120	42.2	51	0.0	0.0	
DJ694	4.3	♂	4	111	36.6	50	122	60.9	78	120	39.9	50	0.0	0.0	
DJ694	4.3	♂	5	113	32.1	40	119	60.0	74	123	39.4	43	0.0	0.0	
DJ694	4.3	♂	6	125	35.5	49	121	62.6	77	120	41.8	49	0.0	0.0	
DJ694	9.1	♀	1	118	52.5	68	119	74.0	83	127	63.6	83	0.0	0.0	
DJ694	9.1	♀	2	113	47.6	67	117	68.3	82	123	59.4	78	0.0	0.0	
DJ694	9.1	♀	3	120	49.8	67	118	72.3	90	118	56.5	82	0.0	0.0	
DJ694	9.1	♀	4	111	47.5	66	115	69.3	81	115	60.9	77	0.0	0.0	

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Gal4	UAS	Sex	Rep ¹	UAS			Gal4			Gal4 + UAS			% Extension		P
				n	Mean	Max ²	n	Mean	Max ²	n	Mean	Max ²	Mean	Max ²	
DJ694	9.1	♂	1	118	46.8	58	121	58.2	68	118	53.4	65	0.0	0.0	
DJ694	9.1	♂	2	120	45.3	57	122	60.9	78	121	52.0	61	0.0	0.0	
DJ694	9.1	♂	3	119	39.1	50	119	60.0	74	122	51.0	57	0.0	0.0	
DJ694	9.1	♂	4	123	44.9	56	121	62.6	77	120	49.0	59	0.0	0.0	
DJ694	3.2	♀	1	118	70.5	93	118	64.3	84	120	82.6	97	17.2	4.3	<0.0001
DJ694	3.2	♀	2	117	74.2	101	118	61.8	81	119	87.6	101	18.1	0.0	0.0001
DJ694	3.2	♀	3	128	67.6	83	119	74.0	83	117	75.4	83	1.9	0.0	0.8979
DJ694	3.2	♀	4	124	62.9	78	117	68.3	82	118	69.1	82	1.2	0.0	0.1114
DJ694	3.2	♀	5	119	60.7	74	118	72.3	90	118	69.7	82	0.0	0.0	
DJ694	3.2	♀	6	120	60.3	81	115	69.3	81	121	68.1	85	0.0	4.9	
DJ694	3.2	♂	1	116	62.4	84	118	54.4	69	117	74.1	91	18.8	8.3	<0.0001
DJ694	3.2	♂	2	103	63.5	88	119	54.5	66	117	85.4	94	34.5	6.8	<0.0001
DJ694	3.2	♂	3	120	53.0	68	121	58.2	68	119	64.9	83	11.5	22.1	<0.0001
DJ694	3.2	♂	4	123	58.6	74	122	60.9	78	124	64.2	74	5.5	0.0	0.0851
DJ694	3.2	♂	5	120	53.6	61	119	60.0	74	121	61.9	82	3.1	10.8	0.0987
DJ694	3.2	♂	6	126	64.4	81	121	62.6	77	121	66.2	85	2.7	4.9	0.5922
DJ694	10.1	♀	1	119	70.0	83	119	74.0	83	119	79.6	91	7.6	9.6	<0.0001
DJ694	10.1	♀	2	121	65.9	82	117	68.3	82	121	72.8	82	6.5	0.0	0.1117
DJ694	10.1	♀	3	118	62.7	82	118	72.3	90	118	75.0	82	3.7	0.0	0.7199
DJ694	10.1	♀	4	120	67.8	85	115	69.3	81	123	72.8	81	5.0	0.0	0.0290
DJ694	10.1	♂	1	120	58.2	72	121	58.2	68	119	70.3	83	20.8	15.3	<0.0001
DJ694	10.1	♂	2	118	59.6	78	122	60.9	78	121	70.7	82	16.2	5.1	<0.0001
DJ694	10.1	♂	3	125	58.4	71	119	60.0	74	113	69.9	82	16.4	10.8	<0.0001
DJ694	10.1	♂	4	124	64.9	81	121	62.6	77	122	71.2	85	9.6	4.9	<0.0001
DJ694	3.1	♀	1	117	60.5	87	116	59.7	84	119	68.5	91	13.3	4.6	0.0029
DJ694	3.1	♀	2	113	63.8	87	119	72.2	91	120	71.4	94	0.0	3.3	
DJ694	3.1	♀	3	118	83.7	106	118	80.7	101	117	77.7	98	-3.7	-3.0	0.1472
DJ694	3.1	♀	4	120	78.2	105	90	75.2	97	121	76.0	93	0.0	-4.1	
DJ694	3.1	♀	5	119	61.2	72	119	74.0	83	116	67.4	83	0.0	0.0	
DJ694	3.1	♀	6	107	50.4	67	117	68.3	82	120	55.8	71	0.0	0.0	
DJ694	3.1	♀	7	112	51.7	67	118	72.3	90	121	60.8	82	0.0	0.0	
DJ694	3.1	♀	8	119	57.2	77	115	69.3	81	121	58.3	70	0.0	-9.1	
DJ694	3.1	♂	1	116	48.6	78	119	54.7	71	118	59.1	84	8.1	7.7	0.0004
DJ694	3.1	♂	2	115	45.6	57	116	63.3	84	119	70.5	100	11.4	19.0	<0.0001
DJ694	3.1	♂	3	116	72.8	98	114	75.5	91	111	70.7	85	-2.9	-6.6	0.0170
DJ694	3.1	♂	4	121	67.8	87	105	74.6	97	122	77.0	97	3.3	0.0	0.0711
DJ694	3.1	♂	5	120	62.7	72	121	58.2	68	118	61.5	75	0.0	4.2	
DJ694	3.1	♂	6	123	52.7	67	122	60.9	78	121	56.9	78	0.0	0.0	
DJ694	3.1	♂	7	119	50.6	64	119	60.0	74	119	61.0	71	1.6	0.0	0.2226
DJ694	3.1	♂	8	126	50.9	70	121	62.6	77	118	61.3	81	0.0	5.2	
DJ694	4.4	♀	1	119	51.8	75	119	74.0	83	122	65.4	83	0.0	0.0	
DJ694	4.4	♀	2	117	48.4	71	117	68.3	82	122	60.5	82	0.0	0.0	
DJ694	4.4	♀	3	118	45.5	64	118	72.3	90	118	62.0	82	0.0	0.0	
DJ694	4.4	♀	4	113	46.1	66	115	69.3	81	120	61.7	81	0.0	0.0	
DJ694	4.4	♂	1	121	44.1	61	121	58.2	68	124	53.2	65	0.0	0.0	
DJ694	4.4	♂	2	121	49.7	61	122	60.9	78	120	55.8	71	0.0	0.0	
DJ694	4.4	♂	3	116	45.1	57	119	60.0	74	123	53.0	61	0.0	0.0	
DJ694	4.4	♂	4	118	49.9	63	121	62.6	77	120	59.5	77	0.0	0.0	
D42	2.1	♀	1	115	55.4	78	103	73.0	95	120	75.7	88	3.7	0.0	0.0934
D42	2.1	♀	2	114	66.2	94	100	76.2	97	119	85.5	97	12.2	0.0	0.3860
D42	2.1	♀	3	116	71.2	92	104	59.1	92	107	76.4	92	7.4	0.0	<0.0001
D42	2.1	♀	4	121	73.9	90	101	61.1	94	118	84.5	104	14.4	10.6	<0.0001

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Gal4	UAS	Sex	Rep ¹	UAS			Gal4			Gal4 + UAS			% Extension		P
				n	Mean	Max ²	n	Mean	Max ²	n	Mean	Max ²	Mean	Max ²	
D42	2.1	♀	5	118	71.4	87	117	61.9	84	110	64.4	84	0.0	0.0	
D42	2.1	♀	6	117	64.4	72	114	67.1	90	116	64.2	83	-0.3	0.0	0.0644
D42	2.1	♀	7	116	62.2	76	125	63.7	83	129	67.8	83	6.5	0.0	0.3398
D42	2.1	♀	8	116	66.4	82	117	64.7	75	117	65.5	82	0.0	0.0	
D42	2.1	♂	1	117	49.4	75	103	50.3	68	112	53.9	71	7.1	0.0	0.1028
D42	2.1	♂	2	113	52.3	63	109	53.4	94	117	58.0	74	8.6	0.0	0.1147
D42	2.1	♂	3	117	56.0	71	108	54.2	78	125	60.4	78	7.7	0.0	0.0038
D42	2.1	♂	4	115	67.0	87	111	63.2	84	122	66.3	84	0.0	0.0	
D42	2.1	♂	5	116	61.3	77	124	61.5	70	108	57.1	70	-7.0	0.0	<0.0001
D42	2.1	♂	6	125	61.3	76	117	61.9	76	102	55.7	72	-9.1	-5.3	<0.0001
D42	2.1	♂	7	114	61.1	76	120	58.7	76	114	57.6	72	-1.9	-5.3	0.2165
D42	2.1	♂	8	126	55.7	71	120	59.8	68	112	56.1	68	0.0	0.0	
D42	4.3	♀	1	121	53.9	66	120	82.1	98	116	80.1	98	0.0	0.0	
D42	4.3	♀	2	111	54.2	69	99	78.7	97	120	77.7	97	0.0	0.0	
D42	4.3	♀	3	119	51.2	74	104	59.1	92	123	66.8	88	13.0	0.0	0.5597
D42	4.3	♀	4	112	57.1	80	101	61.1	94	93	67.7	90	10.7	0.0	0.0002
D42	4.3	♀	5	119	51.4	63	117	61.9	84	110	58.3	70	0.0	0.0	
D42	4.3	♀	6	120	50.1	65	114	67.1	90	119	58.3	72	0.0	0.0	
D42	4.3	♀	7	113	47.8	58	125	63.7	83	116	58.6	76	0.0	0.0	
D42	4.3	♀	8	120	49.1	64	117	64.7	75	116	57.1	75	0.0	0.0	
D42	4.3	♂	1	120	48.0	59	113	67.6	98	113	38.3	50	-20.1	-15.3	<0.0001
D42	4.3	♂	2	120	48.2	63	118	66.4	93	106	35.9	45	-25.4	-28.6	<0.0001
D42	4.3	♂	3	121	46.3	57	108	54.2	78	122	45.3	60	-2.2	0.0	0.9349
D42	4.3	♂	4	95	49.5	59	111	63.2	84	106	41.1	66	-17.0	0.0	0.0001
D42	4.3	♂	5	124	47.8	56	124	61.5	70	114	51.6	70	0.0	0.0	
D42	4.3	♂	6	122	41.7	55	117	61.9	76	117	42.7	55	0.0	0.0	
D42	4.3	♂	7	119	40.5	55	120	58.7	76	109	43.5	55	0.0	0.0	
D42	4.3	♂	8	119	34.4	44	120	59.8	68	110	38.9	54	0.0	0.0	
D42	9.1	♀	1	129	57.1	81	104	59.1	92	116	62.8	95	6.2	3.3	0.592
D42	9.1	♀	2	115	70.6	90	101	61.1	94	117	84.2	101	19.3	7.4	<0.0001
D42	9.1	♀	3	120	54.8	77	117	61.9	84	115	64.3	77	3.9	0.0	0.1598
D42	9.1	♀	4	115	49.7	62	114	67.1	90	118	58.7	72	0.0	0.0	
D42	9.1	♀	5	118	55.9	69	125	63.7	83	122	60.3	76	0.0	0.0	
D42	9.1	♀	6	118	51.5	68	117	64.7	75	119	55.7	75	0.0	0.0	
D42	9.1	♂	1	124	43.1	57	108	54.2	78	120	51.8	71	0.0	0.0	
D42	9.1	♂	2	123	53.9	73	111	63.2	84	121	69.2	90	9.5	7.1	0.1051
D42	9.1	♂	3	120	48.5	59	124	61.5	70	115	55.6	66	0.0	0.0	
D42	9.1	♂	4	109	45.4	58	117	61.9	76	111	51.3	65	0.0	0.0	
D42	9.1	♂	5	116	44.2	55	120	58.7	76	120	51.9	62	0.0	0.0	
D42	9.1	♂	6	121	47.8	61	120	59.8	68	120	48.5	61	0.0	0.0	
D42	3.2	♀	1	118	70.5	93	119	63.4	84	112	81.2	91	15.2	0.0	0.0013
D42	3.2	♀	2	117	74.2	101	120	66.0	88	118	83.0	94	11.9	0.0	0.7125
D42	3.2	♀	3	122	70.3	84	117	61.9	84	100	69.4	84	0.0	0.0	
D42	3.2	♀	4	116	60.1	72	114	67.1	90	119	70.4	83	5.0	0.0	0.4230
D42	3.2	♀	5	116	62.0	83	125	63.7	83	122	68.1	83	7.0	0.0	0.8400
D42	3.2	♀	6	119	62.0	75	117	64.7	75	119	62.6	75	0.0	0.0	
D42	3.2	♂	1	116	62.4	84	120	56.0	69	116	77.3	91	24.0	8.3	<0.0001
D42	3.2	♂	2	103	63.5	88	115	57.7	73	119	79.4	94	25.0	6.8	<0.0001
D42	3.2	♂	3	120	58.0	70	124	61.5	70	101	61.7	77	0.4	10.0	0.4165
D42	3.2	♂	4	120	55.5	69	117	61.9	76	125	65.2	83	5.2	9.2	<0.0001
D42	3.2	♂	5	125	53.7	69	120	58.7	76	114	57.0	76	0.0	0.0	
D42	3.2	♂	6	117	57.1	71	120	59.8	68	126	63.9	75	6.9	5.6	<0.0001

Gal4	UAS	Sex	Rep ¹	UAS			Gal4			Gal4 + UAS			% Extension		P
				n	Mean	Max ²	n	Mean	Max ²	n	Mean	Max ²	Mean	Max ²	
D42	10.1	♀	1	120	57.6	77	106	77.9	95	116	78.9	88	1.2	0.0	0.0114
D42	10.1	♀	2	109	66.6	84	106	74.0	91	110	71.6	88	0.0	0.0	
D42	10.1	♀	3	119	68.5	84	117	61.9	84	115	67.8	84	0.0	0.0	
D42	10.1	♀	4	105	66.8	86	114	67.1	90	117	70.2	90	4.6	0.0	
D42	10.1	♀	5	123	63.9	83	125	63.7	83	114	59.4	76	-6.8	-8.4	
D42	10.1	♀	6	124	59.5	75	117	64.7	75	110	65.6	89	1.3	18.7	
D42	10.1	♂	1	121	57.2	74	119	59.2	81	115	67.9	81	14.6	0.0	0.0053
D42	10.1	♂	2	124	56.8	67	116	60.4	88	123	68.7	81	13.8	0.0	0.0531
D42	10.1	♂	3	120	66.4	77	124	61.5	70	117	71.1	84	7.1	9.1	<0.0001
D42	10.1	♂	4	122	65.1	86	117	61.9	76	109	75.7	98	16.4	14.0	<0.0001
D42	10.1	♂	5	115	59.2	76	120	58.7	76	117	61.3	76	3.5	0.0	0.3541
D42	10.1	♂	6	127	62.7	89	120	59.8	68	115	68.3	82	8.9	0.0	0.0116
D42	3.1	♀	1	117	60.5	87	117	66.9	87	119	74.4	91	11.2	4.6	<0.0001
D42	3.1	♀	2	113	63.8	87	112	74.0	97	120	79.4	100	7.3	3.1	0.0642
D42	3.1	♀	3	118	83.7	106	120	82.1	98	119	89.0	106	6.4	0.0	0.6531
D42	3.1	♀	4	120	78.2	105	99	78.7	97	114	84.7	97	7.5	0.0	0.0105
D42	3.1	♀	5	118	67.5	80	117	61.9	84	128	67.2	87	0.0	3.6	
D42	3.1	♀	6	127	62.0	72	114	67.1	90	122	70.6	98	5.2	8.9	0.0095
D42	3.1	♀	7	125	61.8	76	125	63.7	83	119	71.6	83	12.5	0.0	0.0225
D42	3.1	♀	8	110	59.2	75	117	64.7	75	119	69.3	89	7.1	18.7	0.0003
D42	3.1	♂	1	116	48.6	78	120	55.2	74	118	54.2	68	0.0	-8.1	
D42	3.1	♂	2	115	45.6	57	115	60.7	73	118	66.0	91	8.7	24.7	<0.0001
D42	3.1	♂	3	116	72.8	98	113	67.6	98	113	66.5	77	-1.6	-21.4	0.1023
D42	3.1	♂	4	121	67.8	87	118	66.4	93	104	69.0	84	1.6	-3.4	0.8434
D42	3.1	♂	5	108	60.4	70	124	61.5	70	120	58.1	73	-3.9	4.3	0.0055
D42	3.1	♂	6	125	61.2	76	117	61.9	76	117	62.4	76	0.7	0.0	0.2374
D42	3.1	♂	7	117	59.7	76	120	58.7	76	120	58.6	72	-0.1	-5.3	0.3712
D42	3.1	♂	8	118	56.1	75	120	59.8	68	113	60.1	75	0.5	0.0	0.0246
D42	4.4	♀	1	117	59.8	88	104	59.1	92	115	75.0	99	25.4	7.6	<0.0001
D42	4.4	♀	2	115	67.8	97	101	61.1	94	105	80.6	104	18.9	7.2	<0.0001
D42	4.4	♀	3	137	61.8	77	117	61.9	84	117	60.4	87	-2.2	3.6	0.9710
D42	4.4	♀	4	119	53.9	69	114	67.1	90	117	63.1	83	0.0	0.0	
D42	4.4	♀	5	127	56.3	76	125	63.7	83	118	58.2	76	0.0	0.0	
D42	4.4	♀	6	123	56.6	75	117	64.7	75	109	62.0	82	0.0	9.3	
D42	4.4	♂	1	123	54.7	78	108	54.2	78	125	65.2	85	19.1	9.0	<0.0001
D42	4.4	♂	2	120	68.5	84	111	63.2	84	123	70.8	90	3.4	7.1	0.0278
D42	4.4	♂	3	113	55.0	70	124	61.5	70	112	54.7	70	-0.6	0.0	0.5016
D42	4.4	♂	4	109	52.3	69	117	61.9	76	119	50.8	69	-2.9	0.0	0.2690
D42	4.4	♂	5	117	52.6	69	120	58.7	76	116	56.5	76	0.0	0.0	
D42	4.4	♂	6	121	53.0	68	120	59.8	68	109	53.3	68	0.0	0.0	

Table S3: Longevity data and analysis of Hsp70 overexpression. Mean: average survival in days, n: number of flies in the replicate, P: highest Log-rank test value, 1: replicate number, 2: 95% mortality (maximum lifespan)