

1. Genes	2. Flybase IDs	3. library	4. ID stock	5. embryonic/early larval lethality (%)	6. pupal lethality (%)	7. % of flies showing climbing defect	8. FPKM	9. Fold Changed (FC)
CG15435	FBgn0031608	VDR	100074	0	10	23,33	13,4316	1,52
		TRIP	65064	41	51	53,33		
CG3163*	FBgn0034961	VDR	45767	18	0	<10%	29,1401	1,57
CG5641	FBgn0038046	VDR	48200	0	5	<10%	126,366	1,65
		TRIP	56895	3	6	11,11		
CG6276	FBgn0038316	VDR	30141	9	27	<10%	29,6684	1,56
		TRIP	27064	0	36	50,00		
CG9650	FBgn0029939	TRIP	26713	0	22	60	18,2011	1,6
		VDR	104402	0	0	90,4		
CG9948*	FBgn0035721	VDR	29429	10	4	40,00	16,4959	1,53
Dichaete	FBgn0000411	VDR	107194	52	9,52	33,33	17,5199	1,56
		TRIP	26217	10	19	23		
e(y)2	FBgn0000618	VDR	16751	0	3	20	40,8249	1,68
		TRIP	42524	26	40	20,00		
HP1c	FBgn0039019	VDR	104893	4	11	<10%	118,756	1,55
		TRIP	31339	0	7	20,00		
ladybird early (lbe) / lbi	FBgn0011278	VDR	12662	0	13	<10%	74,5073	1,51
		TRIP	60001	7	1	<10%		
NF-YB	FBgn0032816	VDR	103655	0	6	30	32,1098	1,61
		TRIP	57254	0	10	46,67		
REPTOR-BP	FBgn0032202	VDR	19110	3	8	16,67	36,6661	1,65
		TRIP	29542	0	32	36,67		
sox15	FBgn0005613	VDR	45482	2	15	30,00	20,3571	1,65
		TRIP	57264	18	7	50,00		
CG17803	FBgn0038547	VDR	38869	0	0	<10%	23,1472	3,71
		TRIP	60022	0	24,55	3,33		
drm	FBgn0024244	VDR	1020405	0	45	100,00	405,8470	4,1
		TRIP	42548	0	1	<10%		
E(spl)mgamma-HLH	FBgn0002735	VDR	10950	0	0	<10%	64,4192	2,11
		TRIP	25978	9	26,81	<10%		
dar1	FBgn0263239	VDR	26980	0	0	73,30	33,5114	4,7
		TRIP	31987	0	62	90,90		
Dr*	FBgn0000492	TRIP	42891	0	0	<10%	31,8571	
odd	FBgn0002985	VDR	102405	0	45	100,00	28,3636	2,42
		TRIP	28295	0	0	<10%		
Sox14*	FBgn0005612	TRIP	34794	0	0	<10%	27,9784	1,72
CG7785	FBgn0038564	VDR	109307	0	27,64	20	16,6135	1,8
		TRIP	57715	0	31	46,70		
CG11317*	FBgn0039816	TRIP	28065	100	nd	nd	16,2672	5,5
		VDR	11245	0	0	<10%		
Dlpl1	FBgn0040467	VDR	57717	48	1,67	3,33	15,5048	1,91
		TRIP	2924	6	0	<10%		
ato	FBgn0010433	VDR	34929	0	8,27	42,42	15,4854	5
		TRIP	2924	6	0	<10%		
E(spl)m5-HLH	FBgn0002631	VDR	47124	18	14	<10%	14,1928	1,8
		TRIP	26201	0	0	<10%		
toe*	FBgn0036285	TRIP	50660	0	0	<10%	13,7040	2,28
CG44247*	FBgn0265182	VDR	7413	0	0	<10%	13,5124	5,12
Sidpn*	FBgn0032741	VDR	3065	0	0	<10%	12,6620	4,95
esg*	FBgn0001981	TRIP	28514	18	28	100,00	101,44600	1,8
		VDR	108881	17	54,69	<10%		
l(2)k10201	FBgn0016970	VDR	57548	39	12	13,33	10,262	2,1
		TRIP	57548	39	12	13,33		
Stripe	FBgn0003499	VDR	105282	100	nd	nd	54,4971	7,89
		TRIP	27701	100	nd	nd		
mCherry*		TRIP	35785	0	5	15,00	nd	nd

* no alternative (VDR or TRIP) available stock

Supplemental Table S2. List of the 31 analyzed transcription factors and RNAi screen data.

Columns 1 and 2 show gene names and Flybase IDs, respectively. Columns 3 and 4 show stock origin of tested UAS-RNAi lines and ID stock number, respectively. Column 5 shows the percentage of lethality in embryo or early larval stages induced by UAS-RNAi line expression using sr-gal4 driver. Crosses showing a lethality higher than the set threshold of 20% were considered positive. Column 6 shows the percentage of lethality during metamorphosis. Crosses showing metamorphosis lethality higher than 20% were considered as positive. Column 7 indicates the percentage of adult flies showing climbing defect. We set the threshold of 30% above which RNAi lines were considered positive. For a detailed description of lethality and climbing screen, see Materials and Methods. Columns 8 and 9 indicate transcript FPKM (Fragments Per Kilobase Million) and Fold Change expression in GFP+ cells compare to whole leg disc cells (p-value<0,05), respectively.