

S1 Table. Wing phenotypes in RNAi backgrounds.

Function	<i>UAS-RNAi/ Mutant</i>	Gal4	Wing phenotype	Stock ID
Control	TRXi	<i>dpp</i>	+++	GD4502
Negative Elongation Factors	NELF-Di	<i>A9 & dpp</i>	+++	GD42217
	NELF-EIRi	<i>A9 & dpp</i>	++	BL6788
	NELF-Bi	<i>dpp</i>	+	GD17038
Positive Elongation Factors	PAFi	<i>dpp</i>	+++	GD20876
	CDK7i	<i>A9</i>	-	GD10442
	CYCTi	<i>dpp</i>	-	GD37562
	SPT6i	<i>dpp</i>	-	GD31703
	SPT5i	<i>dpp</i>	+	GD19793
	<i>Spt5^{MGE-3}</i>	<i>dpp</i>	+	BL8352*
	ASFi	<i>dpp</i>	++	GD23737
Chromatin Remodeling Factors and others	SPT16i	<i>dpp</i>	-	GD10916
	BRMi	<i>A9</i>	-	GD37720
	CHDi	<i>dpp</i>	-	GD26277
	NURFi	<i>A9</i>	-	GD24740
	ASH1i	<i>A9</i>	-	GD28982
	<i>ash1²²</i>	<i>A9</i>	-	BL24161*
	<i>Nej^P</i>	<i>A9</i>	+	BL3728*

Females carrying *UAS-Trx* with or without *UAS-RNAi/Mutant* were crossed to *dpp-Gal4* or *A9-Gal4* males, except for CDK7i, BRMi, ASH1i, NURFi, *ash1²²* and *Nej^P*. In these cases, females carrying *A9-Gal4* and *UAS-RNAi/Mutant* were crossed to *UAS-Trx* males. Wing phenotype produced by *dpp-Gal4* is used as the reference. Progenies with similar phenotypes or restored wing are marked as (-) or (+), respectively. Fully restored wings are indicated as (+++). “*”, mutants used for screening. BL and GD refer to Bloomington and Vienna stock centers, respectively.