

S3 Table. Genotypes of the flies used in this study

Name and properties	Abbreviated fly genotypes	Genotypes of parents*
Control (for RNAi experiment)	<i>phm22 > dicer2</i>	<i>w; UAS-dicer2; phantom²²-Gal4</i>
		<i>y v;; attP2</i>
RNAi against genes of interest	<i>phm22 > dicer2, RNAi</i>	<i>w; UAS-dicer2; phantom²²-Gal4</i>
		<i>UAS-RNAi**</i>
<i>Fzr</i> RNAi +InR ^{CA}	<i>phm22 > dicer2, Fzr RNAi, InR.A1325D</i>	<i>w; UAS-dicer2; phantom²²-Gal4</i>
		<i>w; UAS-Fzr RNAi UAS-InR.A1325D</i>
Control	<i>phm22 > +</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>w¹¹¹⁸</i>
TOR ^{DN}	<i>phm22 > TOR.TED</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>w¹¹¹⁸; UAS-TOR.TED</i>
Control +GFP	<i>phm22 > mCD8::GFP</i>	<i>w¹¹¹⁸;; phantom²²-Gal4 UAS-mCD8::GFP</i>
		<i>w¹¹¹⁸</i>
TOR ^{DN} +GFP	<i>phm22 > mCD8::GFP, TOR.TED</i>	<i>w¹¹¹⁸;; phantom²²-Gal4 UAS-mCD8::GFP</i>
		<i>w¹¹¹⁸; UAS-TOR.TED</i>
TOR ^{DN} +CycE-1	<i>phm22 > TOR.TED, CycE-1</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>w¹¹¹⁸; UAS-TOR.TED UAS-CycE-1</i>
TOR ^{DN} +S6k ^{TE}	<i>phm22 > TOR.TED, S6k.TE</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>w¹¹¹⁸; UAS-TOR.TED UAS-S6k.TE</i>
TOR ^{DN} +CycE-1 +GFP	<i>phm22 > mCD8::GFP, TOR.TED, CycE-1</i>	<i>w¹¹¹⁸;; phantom²²-Gal4 UAS-mCD8::GFP</i>
		<i>w¹¹¹⁸; UAS-TOR.TED UAS-CycE-1</i>
TOR ^{DN} +S6k ^{TE} +GFP	<i>phm22 > mCD8::GFP, TOR.TED, S6k.TE</i>	<i>w¹¹¹⁸;; phantom²²-Gal4 UAS-mCD8::GFP</i>
		<i>w¹¹¹⁸; UAS-TOR.TED UAS-S6k.TE</i>
Control (for temperature-shift experiment)	<i>tub-Gal80^{ts} phm22 > +</i>	<i>w¹¹¹⁸;; phantom²²-Gal4 tub-Gal80^{ts}</i>
		<i>w¹¹¹⁸</i>
TOR ^{DN} +tub-Gal80 ^{ts}	<i>tub-Gal80^{ts} phm22 > TOR.TED</i>	<i>w¹¹¹⁸;; phantom²²-Gal4 tub-Gal80^{ts}</i>
		<i>w¹¹¹⁸; UAS-TOR.TED</i>
RagA ^{DN}	<i>phm22 > RagA.T16N</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>w¹¹¹⁸; UAS-RagA.T16N</i>
InR ^{DN}	<i>phm22 > InR.K1409A</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>w¹¹¹⁸;; UAS-InR.K1409A</i>
InR ^{CA}	<i>phm22 > InR.A1325D</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>w¹¹¹⁸; UAS-InR.A1325D</i>
InR ^{CA} +TOR ^{DN}	<i>phm22 > InR.A1325D, TOR.TED</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>w¹¹¹⁸; UAS-InR.A1325D UAS-TOR.TED</i>
InR ^{CA} +Gal80 ^{ts}	<i>tub-Gal80^{ts} phm22 > InR.A1325D</i>	<i>w¹¹¹⁸;; phantom²²-Gal4 tub-Gal80^{ts}</i>
		<i>w¹¹¹⁸; UAS-InR.A1325D</i>
Control (for epistasis analysis between <i>InR</i> and <i>Rheb/raptor</i>)	<i>phm22 > +</i>	<i>w¹¹¹⁸;; phantom²²-Gal4</i>
		<i>y v;; attP2</i>
InR ^{CA} (for epistasis analysis between <i>InR</i> and <i>Rheb/raptor</i>)	<i>phm22 > InR.A1325D</i>	<i>w¹¹¹⁸; UAS-InR.A1325D; phantom²²-Gal4/TM6B tub-Gal80</i>
		<i>y v;; attP2</i>
InR ^{CA} +RNAi (for epistasis analysis between <i>InR</i> and <i>Rheb/raptor</i>)	<i>phm22 > InR.A1325D, RNAi</i>	<i>w¹¹¹⁸; UAS-InR.A1325D; phantom²²-Gal4/TM6B tub-Gal80</i>
		<i>UAS-RNAi**</i>
* Flies with <i>w¹¹¹⁸</i> were backcrossed with <i>w¹¹¹⁸</i> (BDSC #5905) three times.		
** see S1 Table.		