

Supplementary Figure S3

A

D. melanogaster NADP-dependent isocitrate dehydrogenase (*Ish*; Gene ID: 44291)

AAA TGA CTA TCC GGC ACT CAG TCC GAG CAG CAG GCC TCG CAT CTC TAG
 K * L S G T Q S E Q Q A S H L *

B

	Readthrough context	C-terminal extension	PTS1 score
<i>Drosophila melanogaster</i>	TGACTA	*N ₁₀ SHL*	+2.0
<i>Apis mellifera</i>	TGACTA	*N ₉ SKY*	+1.6
<i>Tribolium castaneum</i>	TGACTA	*N ₃ ARL*	+11.2
<i>Caenorhabditis elegans</i>	no readthr.	...QAH*	-59.2
<i>Aplysia californica</i>	TGACTA	*N ₁₆ SKL*	+9.7
<i>Xenopus laevis</i>	no readthr.	...LKL*	-9.2
<i>Gallus gallus</i>	no readthr.	...PKL*	+1.3
<i>Homo sapiens</i>	no readthr.	...AKL*	+8.5
<i>Ustilago maydis</i>	no readthr.	...GKL*	+1.1

 insects	 birds
 nematodes	 mammals
 molluscs	 fungi
 amphibians	

C

U. maydis Idp1; Um06111

