



A gut-derived hormone suppresses sugar appetite and regulates food choice in *Drosophila*

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Supplementary Table 1: Fly lines used in this work

Fly line	Stock number	Source
<i>10xUAS-IVS-myr::tdTomato[su(Hw)attP8]; CaLexA</i>	n/a	this work
<i>AKH^{ts}> (Tub-GAL80^{TS}; AKH-GAL4)</i>	n/a	this work
<i>AstC^{gut}> (R57C10-GAL80; AstC::2A::GAL4)</i>	n/a	this work
<i>EEC> (Tub-GAL80^{TS} <i>voilà</i>-GAL4 recombined on III)</i>	n/a	this work
<i>NPF^{gut}> (R57C10-GAL80; NPF::2A::GAL4)</i>	n/a	this work
<i>10xUAS-IVS-myr::tdTomato[su(Hw)attP8]</i>	32223	Bloomington <i>Drosophila</i> Stock Center, University of Indiana (BDSC)
<i>AKH^{-/-}</i>	n/a	S. Kondo, Tokyo University of Science
<i>AKH-GAL4</i>	25684	BDSC
<i>AstC::2A::GAL4</i>	845958	BDSC
<i>CaLexA (LexAop-CD8::GFP::2A::CD8::GFP; UAS-LexA::VP16::NFAT, LexAop-CD2::GFP/TM6B, Tb)</i>	66542	BDSC
<i>Cg-GAL4</i>	7011	BDSC
<i>da-GAL4</i>	55850	BDSC
<i>Df(3L)delta130</i>	n/a	A. von Philipsborn, Aarhus University
<i>elav-GAL4</i>	458	BDSC
<i>NPF::2A::GAL4</i>	84671	BDSC
<i>NPFR::T2A::GAL4</i>	n/a	S. Kondo, Tokyo University of Science
<i>R57C10-GAL80-6 (on X)</i>	n/a	R. Niwa, University of Tsukuba
<i>SP⁰</i>	77892	BDSC
<i>Tub-GAL80^{TS}</i>	7108	BDSC
<i>UAS-AKH-RNAi</i>	105063	Vienna <i>Drosophila</i> Resource Center (VDRC)
<i>UAS-LexA::VP16::NFAT; LexAop-Luciferase</i>	n/a	M. Rosbash, Brandeis University
<i>UAS-mCD8::GFP</i>	5137	BDSC
<i>UAS-Mondo-RNAi</i>	109821	VDRC
<i>UAS-NPF-RNA^{KK}</i>	108772	VDRC
<i>UAS-NPF-RNA^{ph}</i>	330277	VDRC
<i>UAS-NPF-RNA^{TRIP}</i>	27237	BDSC
<i>UAS-NPFR-RNA^{GD}</i>	9605	VDRC
<i>UAS-NPFR-RNA^{TRIP}</i>	25939	BDSC
<i>UAS-SPR-RNAi</i>	106804	VDRC
<i>UAS-sut1-RNAi</i>	65964	BDSC
<i>UAS-sut2-RNAi</i>	102028	VDRC
<i>UAS-TrpA1</i>	26263	BDSC
<i>UAS-TrpA1[attP2]</i>	n/a	C. Wegener, University of Würzburg
<i>voilà-GAL4</i>	n/a	A. Scopelliti, University of Glasgow
<i>w¹¹¹⁸</i>	60000	VDRC

Supplementary Table 2: Oligo sequences used for qPCR

Primer name
<i>Rp49</i> -F: AGTATCTGATGCCCAACATCG
<i>Rp49</i> -R: CAATCTCCTTGCGCTTCTTG
<i>sut2</i> -F: AGCATCGTTCCATCGCCATG
<i>sut2</i> -R: CATCAGAAGCGGGGICCATC
<i>NPF</i> -F: TGCAGTGTTGACATCGTTCTTTTCG
<i>NPF</i> -R: AAACCGAAAGAACGATGTCAACAC
<i>AstC</i> -F: TACGGCCTACTCCTCACCC
<i>AstC</i> -R: GCTGGCATATTCGTAGCCACC