

A.

Gene	Symbol	Annotated function	Fold Increase	P-value
CG6658	<i>Ugt86Di</i>	UDP-Glycosyltransferase	4.14	0.047
CG4181	<i>GstD2</i>	Glutathione-S transferase	2.85	0.044
CG12766		Aldehyde reductase	2.06	0.013
CG5001		Chaperone (heat-shock protein)	2.04	0.028
CG10091	<i>GstD9</i>	Glutathione-S transferase	1.75	0.014
CG13270	<i>Ugt36Ba</i>	UDP-Glycosyltransferase	1.74	0.012
CG10843	<i>Cyp4p3</i>	Steroid metabolism (cytochrome P450)	1.68	0.042
CG18578	<i>Ugt86Da</i>	UDP-Glycosyltransferase	1.64	0.006
CG17530	<i>GstE6</i>	Glutathione-S transferase	1.53	0.003
CG5579		Glutathione transferase	1.47	0.026
CG1469	<i>Fer2LCH</i>	Ferric iron binding	1.41	0.017
CG4421	<i>GstD8</i>	Glutathione-S transferase	1.39	0.027
CG4460	<i>Hsp22</i>	Chaperone	1.39	0.049
CG1753	<i>GstE71</i>	Glutathione-S transferase	1.37	0.032
CG11466	<i>Cyp9f2</i>	Electron transport (cytochrome P450)	1.36	0.002
CG10242	<i>Cyp6a23</i>	Steroid metabolism (cytochrome P450)	1.35	0.045
CG4423	<i>GstD6</i>	Glutathione-S transferase	1.35	0.023
CG8256		Glycerol-3-phosphate dehydrogenase	1.73	0.037
CG11661	<i>Nc73EF</i>	Glutarate dehydrogenase	1.68	0.000
CG11709	<i>PGRP-SA</i>	Peptidoglycan receptor	1.68	0.016
CG9743		stearyl-CoA 9-desaturase *	1.56	0.024
CG5889	<i>Mdh</i>	Malate dehydrogenase	1.52	0.016
CG4630		Carnitine transporter *	1.51	0.002
CG17608	<i>fu12</i>	1-acylglycerol-3-phosphate O-acyltransferase	1.50	0.037
CG4501	<i>bgm</i>	Long-chain-fatty-acid-CoA ligase *	1.41	0.015
CG12177		Hydrolase	1.40	0.038
CG31705		Unknown	1.40	0.042
CG5186	<i>slim</i>	Galactose oxidase	1.38	0.005
CG11055		Triacylglycerol lipase *	1.36	0.003
CG9331		L-serine biosynthesis	2.46	0.045
CG1743		Glutamine synthetase 2	1.75	0.037
CG18658	<i>Asph</i>	Aspartyl b-hydroxylase	1.56	0.031
CG2194	<i>Reg-3</i>	Dihydropyrimidine dehydrogenase	1.51	0.006
CG16747	<i>Oda</i>	Ornithine decarboxylase inhibitor	1.51	0.044
CG1697	<i>rho-4</i>	Serine-type peptidase	1.45	0.009

* directly involved in fatty acid metabolism

B.

Gene	Symbol	Annotated function	Fold Decrease	P-value
CG9006	<i>Egm</i>	Acyl-CoA dehydrogenase *	6.59	0.000
CG18645		Enoyl Coenzyme A hydratase *	2.14	0.022
CG7766		Glycogen metabolism	1.79	0.011
CG31731		Coenzyme metabolism	1.63	0.010
CG9659	<i>egh</i>	Beta-1,4-mannosyltransferase	1.56	0.039
CG18402	<i>InR</i>	Insulin-receptor activity	1.55	0.010
CG3902		Acyl-CoA dehydrogenase *	1.52	0.003
CG9343	<i>Trl</i>	transcription factor	1.95	0.005
CG32217	<i>Su(Tpl)</i>	transcription factor	1.76	0.010
CG12690	<i>CHES-1-like</i>	transcription factor	1.54	0.005
CG17334	<i>lin-28</i>	transcription regulation	1.48	0.034
CG31453		transcription cofactor	1.45	0.036
CG4399	<i>east</i>	Carboxypeptidase A	1.56	0.001

