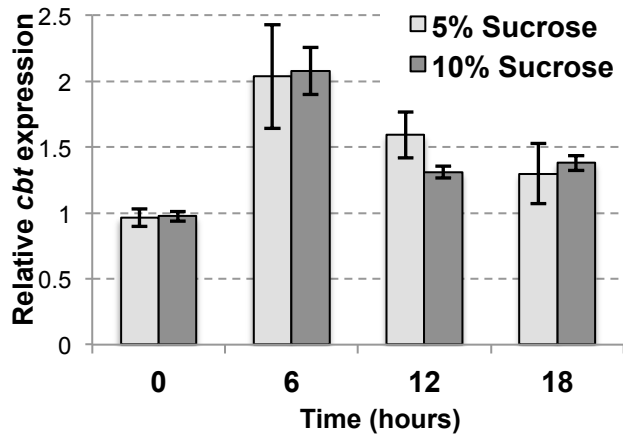
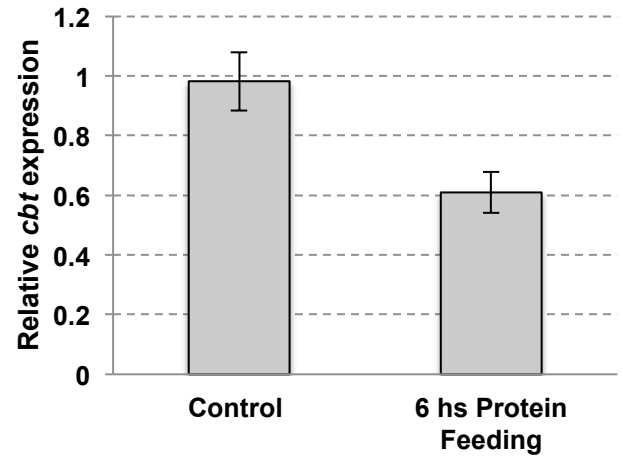
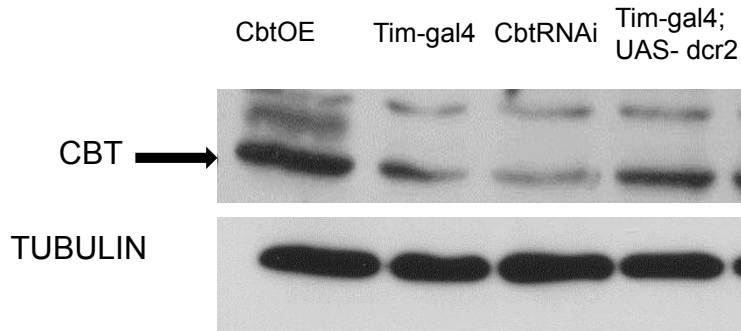


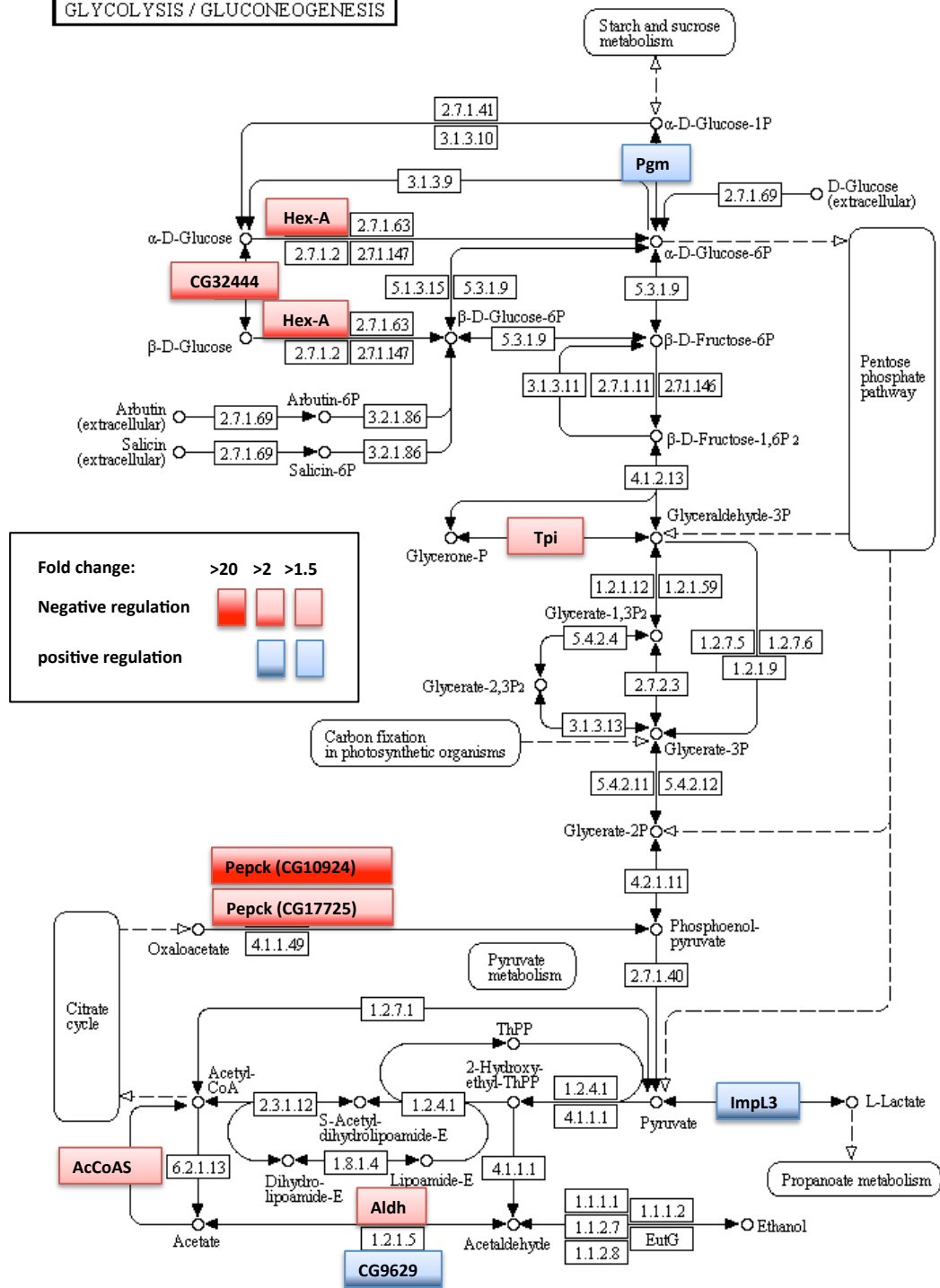
A**B****Supplementary Figure S1**

A**B****GO terms for genes affected by *cbt* manipulations**

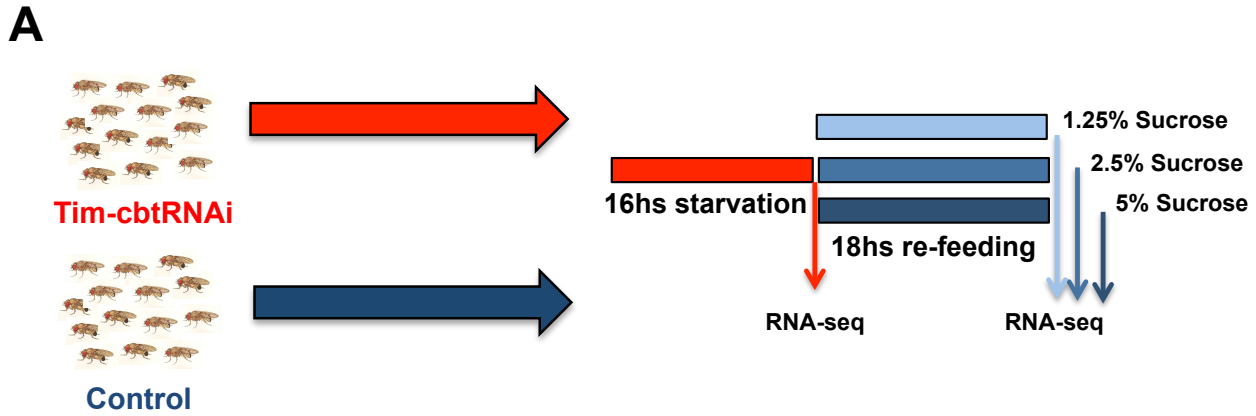
	n	P-value Benjamini
Neuron related		
GO:0007186~G-protein coupled receptor protein signaling pathway	27	5.78484E-05
GO:0050877~neurological system process	41	0.000173914
GO:0044456~synapse part	15	0.000615765
GO:0034702~ion channel complex	10	0.001842771
GO:0045211~postsynaptic membrane	7	0.048178794
Immunity/Defense		
GO:0006952~defense response	34	9.15387E-09
GO:0006508~proteolysis	64	1.63682E-06
GO:0006955~immune response	28	7.17351E-06
GO:0045087~innate immune response	20	1.88199E-05
GO:0042742~defense response to bacterium	16	6.95632E-05
Metabolism		
IPR002347:Glucose/ribitol dehydrogenase	14	0.000766031
IPR002198:Short-chain dehydrogenase/reductase SDR	15	0.003060306
IPR016040:NAD(P)-binding domain	22	0.005736804
dme00620:Pyruvate metabolism	8	0.018076595
dme00500:Starch and sucrose metabolism	11	0.009258811
dme00903:Limonene and pinene degradation	12	0.035820426
dme00040:Penrose and glucuronate interconversions	8	0.036450739
dme00053:Ascorbate and aldarate metabolism	7	0.046835714

Supplementary Figure S2

GLYCOLYSIS / GLUCONEOGENESIS



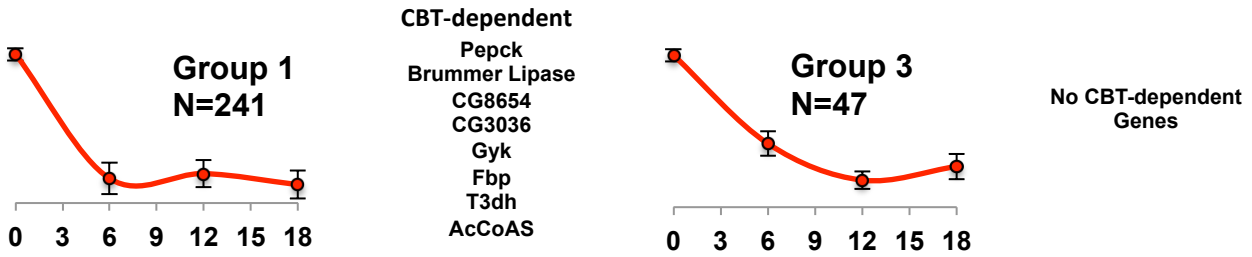
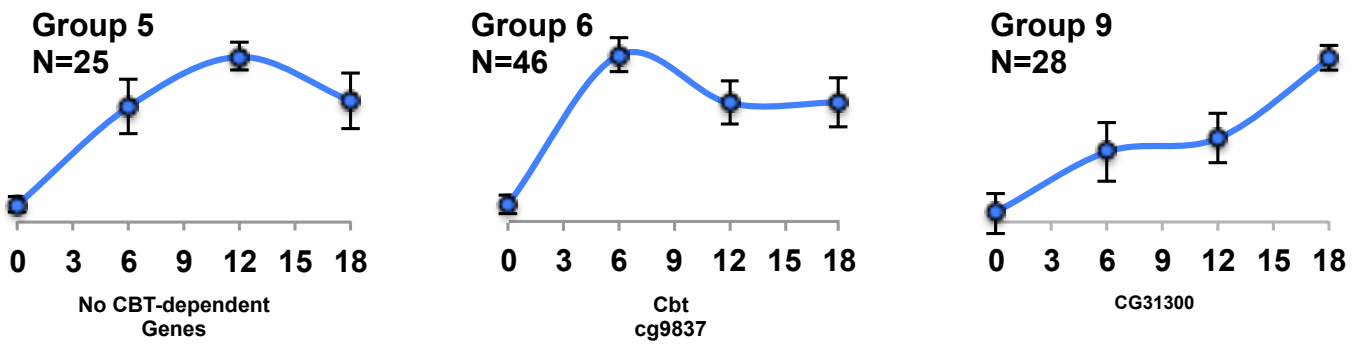
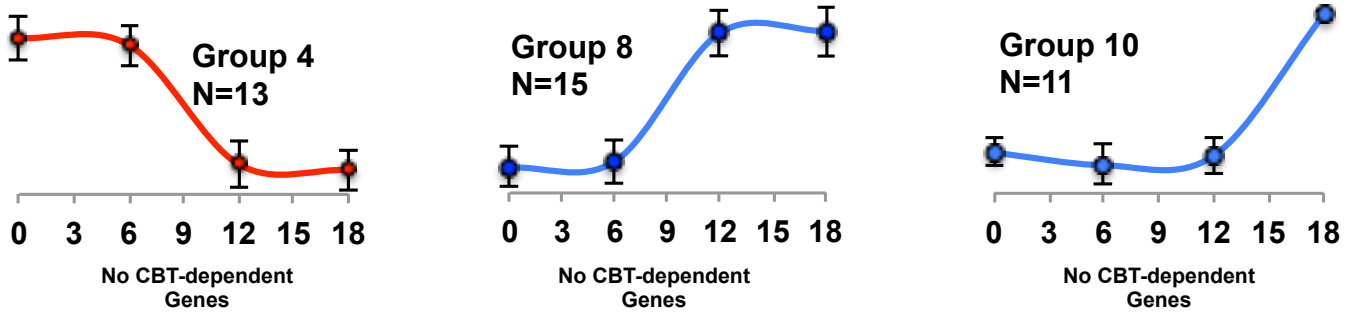
Supplementary Figure S3

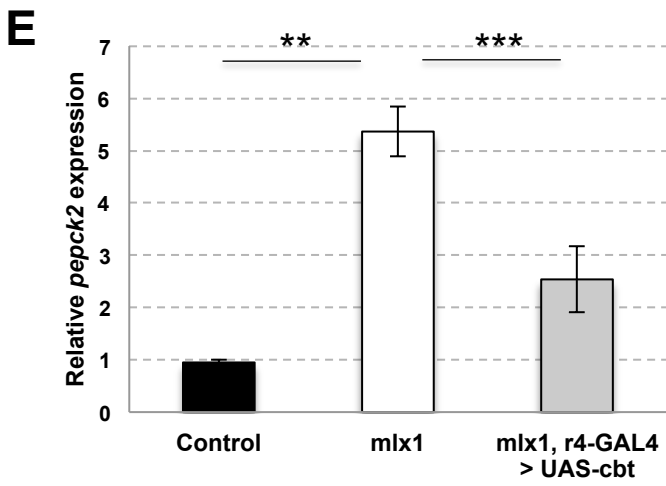
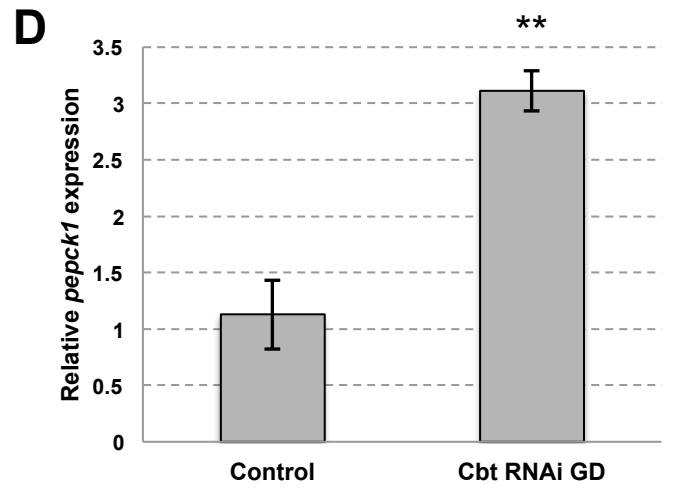
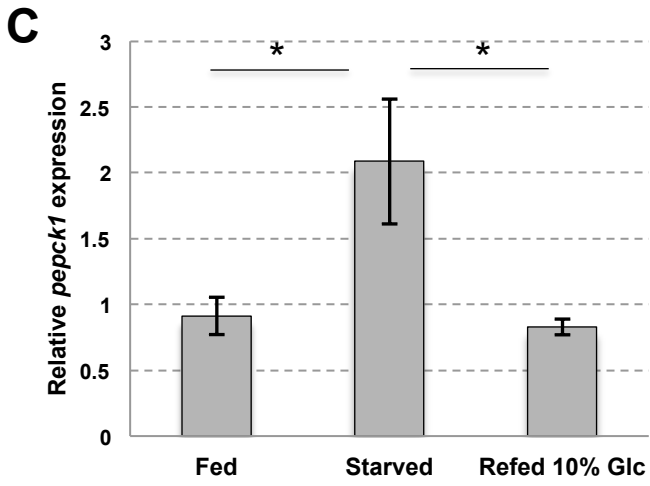
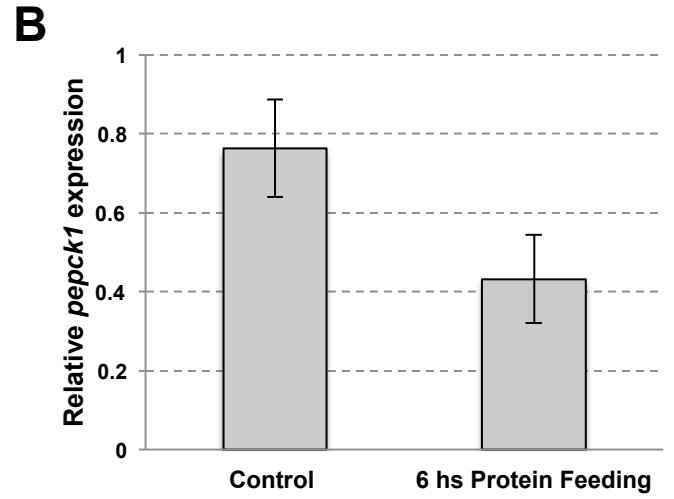
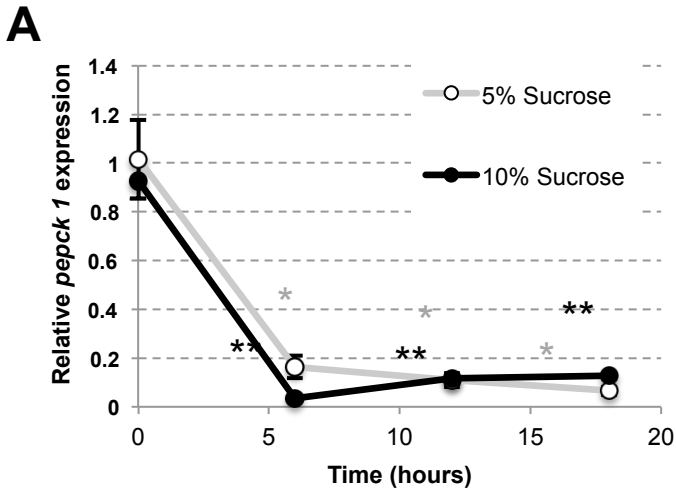


B

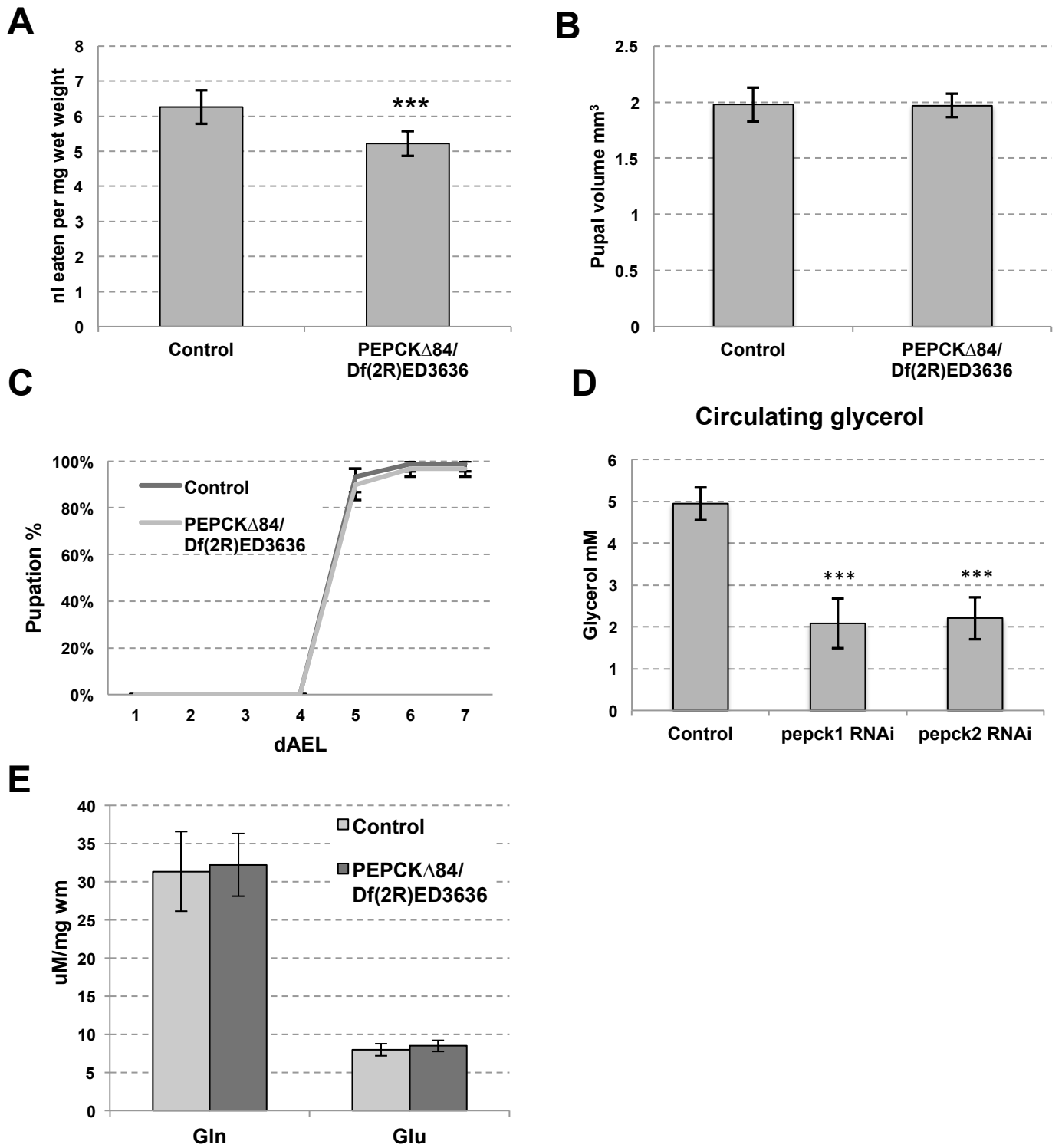
Gene Name	Median Fold Change in Control	Median Fold Change in CbtRNAi
Pepck	0.2	0.71
bmm	0.28	0.45
CG32850	0.31	1.99
CG8654	0.35	1.02
smi35A	0.36	1.04
CG18265	0.36	0.76
CG9992	0.37	0.97
CG16908	0.39	0.94
Pngl	0.41	1.03
CG3036	0.45	1
Gyk	0.46	0.74
CG18094	0.46	0.80
fbp	0.5	1
ct	0.54	0.93
ash2	0.57	0.85
T3dh	0.57	0.84
oxt	0.57	0.97
Lpt	0.58	1.5
lkb1	0.58	1.97
CG9935	0.59	1.41
Mad1	0.64	0.94
Pk92B	0.67	1.12

Supplementary Figure S4

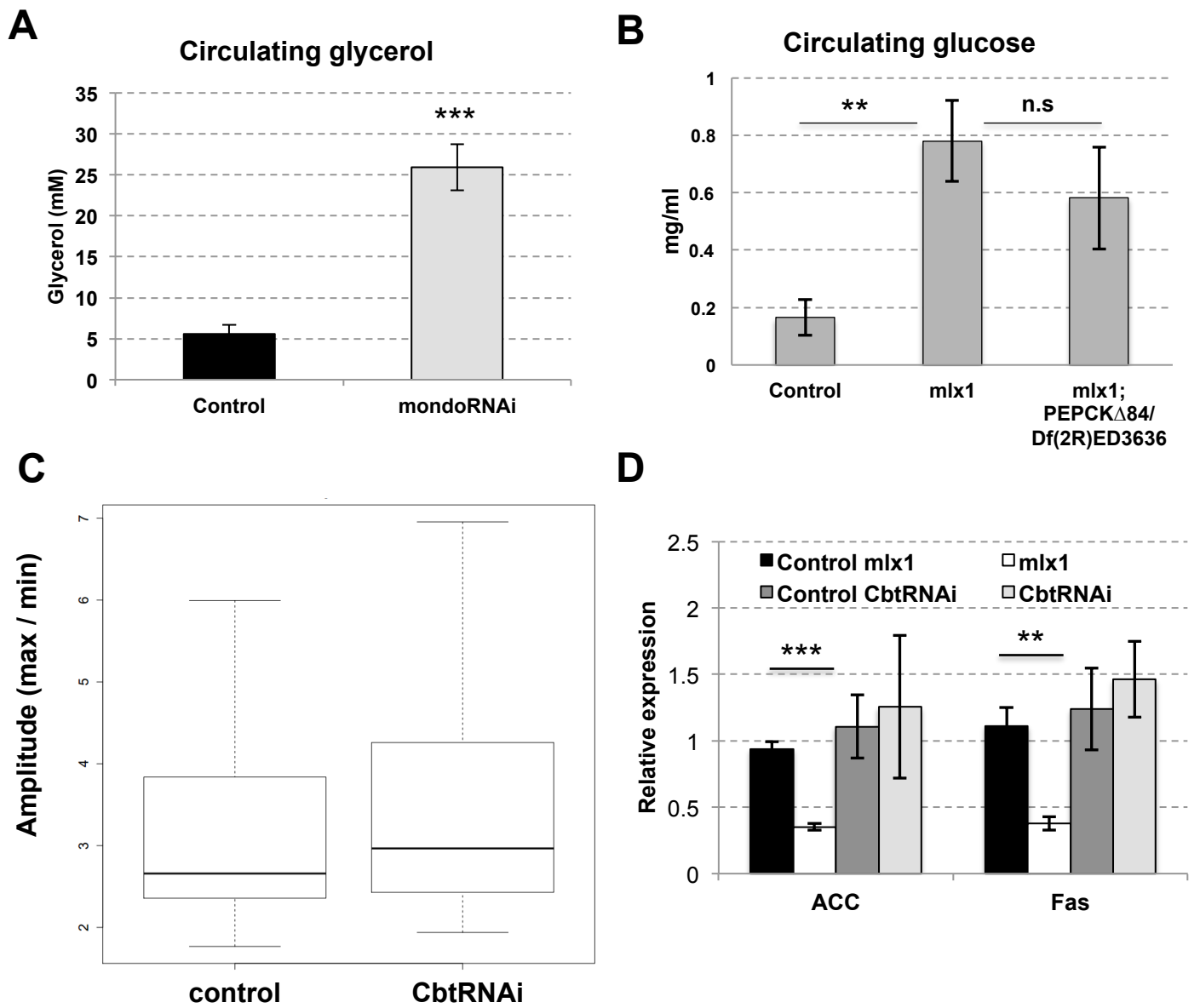
A**Repressed upon re-feeding****B****Increased upon re-feeding****C****Slower response****Supplementary Figure S5**



Supplementary Figure S6



Supplementary Figure S7



Supplementary Figure S8