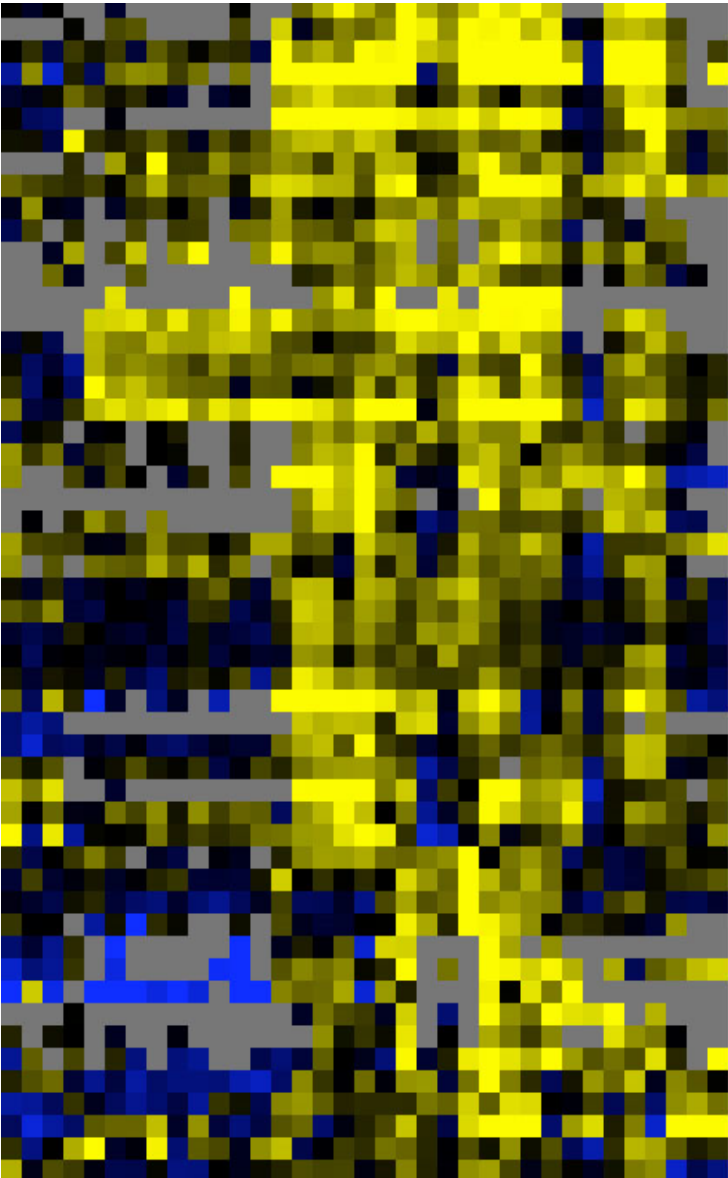


Table S7 Genes upregulated in TD cells

	TD vs. D(wg)/V(wg)	CG Number	Function
069_1 st leg vs. reference		CG14567	/
131_1 st leg vs. reference		CG10287	Gasp; chitin binding
085_1 st leg vs. reference		CG9777	/
AK93_1 st leg vs. reference		CG17108	acetyl-CoA carboxylase activity
251_wing vs. leg		CG11073	/
256_wing vs. leg		CG11527	Tig; binding; extracellular matrix
059_wing vs. leg		CG12840	Tsp42E1; receptor signaling protein activity
249_wing vs. leg		CG1572	/
255_wing vs. leg		CG10527	farnesoic acid O-methyltransferase activity
062_wing vs. leg		CG10119	LamC; structural constituent of cytoskeleton
248_wing vs. leg		CG15611	CG15611
254_wing vs. leg		CG5393	apt; RNA binding; RNA polymerase II transcription factor activity
064_wing vs. leg		CG6868	td; procollagen C-endopeptidase activity; metalloendopeptidase activity
069_leg(wg+) vs. reference		CG9192	/
067_leg(wg+) vs. reference		CG10697	Ddc; aromatic-L-amino-acid decarboxylase activity
159_leg(wg+) vs. reference		CG4319	rpr; apoptosis
049_leg(wg+) vs. reference		CG15047	/
065_leg(wg+) vs. reference		CG3199	/
078_leg(wg+) vs. reference		CG6023	/
041_TD vs. D(wg)		CG1449	zfh2; DNA binding; RNA binding; RNA polymerase II transcription factor activity
210_TD vs. D(wg)		CG10645	lama
047_TD vs. D(wg)		CG13024	/
044_TD vs. V(wg)		CG3598	/
204_TD vs. V(wg)		CG12288	RNA binding; poly(A) binding
035_TD vs. V(wg)		CG11555	/
050_TD vs. V(wg)		CG4806	RNA bindin
226_TD vs. V(wg)		CG17903	Cyt-c-p; electron transporter activity; oxidoreductase activity
046_D(wg) vs. V(wg)		CG10337	/
048_D(wg) vs. V(wg)		CG17914	yellow-b
218_D(wg) vs. V(wg)		CG13692	GTP binding; ARF GTPase activator activity
017_TD vs. D(wt)		CG15279	cation:amino acid symporter activity; neurotransmitter:sodium symporter activity
008_TD vs. D(wt)		CG15484	/
018_D(wt) vs. V(wt)		CG15629	oxidoreductase activity
020_D(wt) vs. V(wt)		CG14879	/
059_D(Lwt) vs. V(wt)		CG14059	/
		CG11822	nAcRbeta-21C; nicotinic acetylcholine-activated cation-selective channel activity
		CG3686	aromatic-L-amino acid decarboxylase
		CG5840	pyrroline-5-carboxylate reductase activity

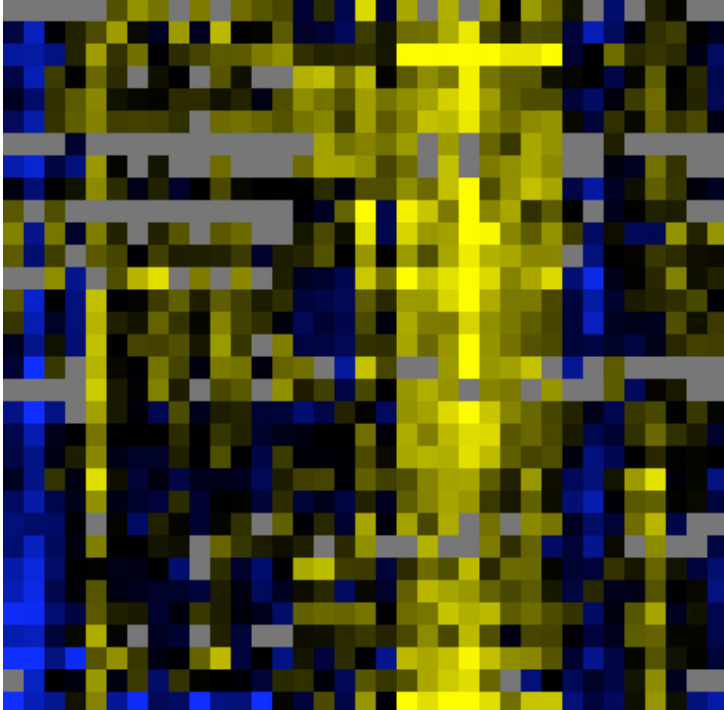


CG4859	Mmp1; metalloendopeptidase activity; structural molecule activity
CG5993	os; receptor binding; morphogen activity; cytokine activity
CG6816	Cyp18a1; electron transporter activity; oxidoreductase activity
CG5831	ATP-dependent RNA helicase activity
CG7722	serine-type endopeptidase inhibitor activity
CG18355	Btk29A; non-membrane spanning protein tyrosine kinase activity
CG3691	Pof; RNA binding
CG3359	mfas; axonogenesis; cell-cell adhesion; ectoderm development; signal transduction
CG17124	protein phosphatase inhibitor activity
CG13780	Pvf2; vascular endothelial growth factor receptor binding
CG3200	Req-2; wide-spectrum protease inhibitor activity
CG13691	/
CG8394	gamma-aminobutyric acid transporter activity
CG8404	Sox15, ATP binding; tRNA ligase activity; transcription factor activity
CG6044	/
CG17941	ds; signal transducer activity; receptor activity; cell adhesion molecule binding
CG6014	/
CG5518	membrane alanyl aminopeptidase activity
CG7059	phosphoglycerate mutase activity
CG10863	CG10863; aldehyde reductase activity
CG14598	/
CG5272	gnu; molecular function unknown
CG8515	CG8515; structural constituent of cuticle
CG4807	ab; specific RNA polymerase II transcription factor activity
CG7730	/
CG11076	/
CG4904	Pros35; endopeptidase activity
CG6009	P5cr; pyrroline-5-carboxylate reductase activity
CG7351	calcium-independent phospholipase A2 activity
CG3351	mRpL11; nucleic acid binding; structural constituent of ribosome
CG7296	/
CG8157	/
CG5535	cationic amino acid transporter activity
CG10444	cation transporter activity; sodium-dependent multivitamin transporter activity
CG4482	mol; asymmetric protein localization
CG7670	/
CG5575	ken; nucleic acid binding; transcription factor activity; protein binding; zinc ion binding
CG5326	acyltransferase activity
CG1210	Pk61C; receptor signaling protein serine/threonine kinase activity
CG3036	sodium:phosphate symporter activity
CG7367	triacylglycerol lipase activity
CG1443	oxidoreductase activity
CG6906	carbonate dehydratase activity
CG4501	bgm; long-chain-fatty-acid-CoA ligase activity
CG3331	e; beta-alanyl-dopamine synthase activity; ligase activity
CG5468	/
CG8805	wun2; phosphatidate phosphatase activity
CG7294	/
CG8483	defense response
CG8827	Ance; zinc ion binding; peptidyl-dipeptidase activity
CG7850	puc; protein tyrosine phosphatase activity; MAP kinase p
CG15493	/

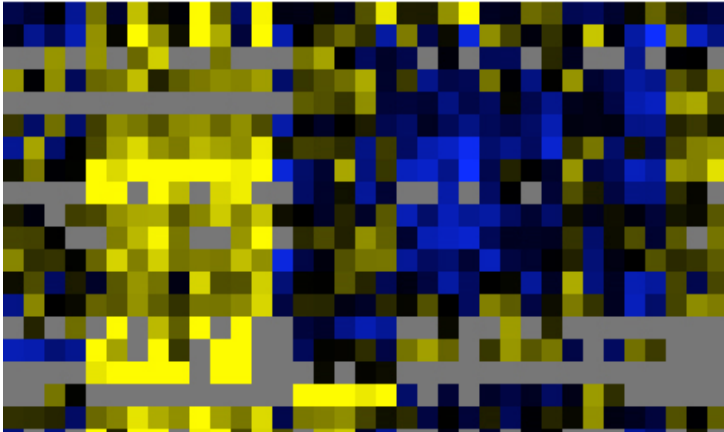
II.

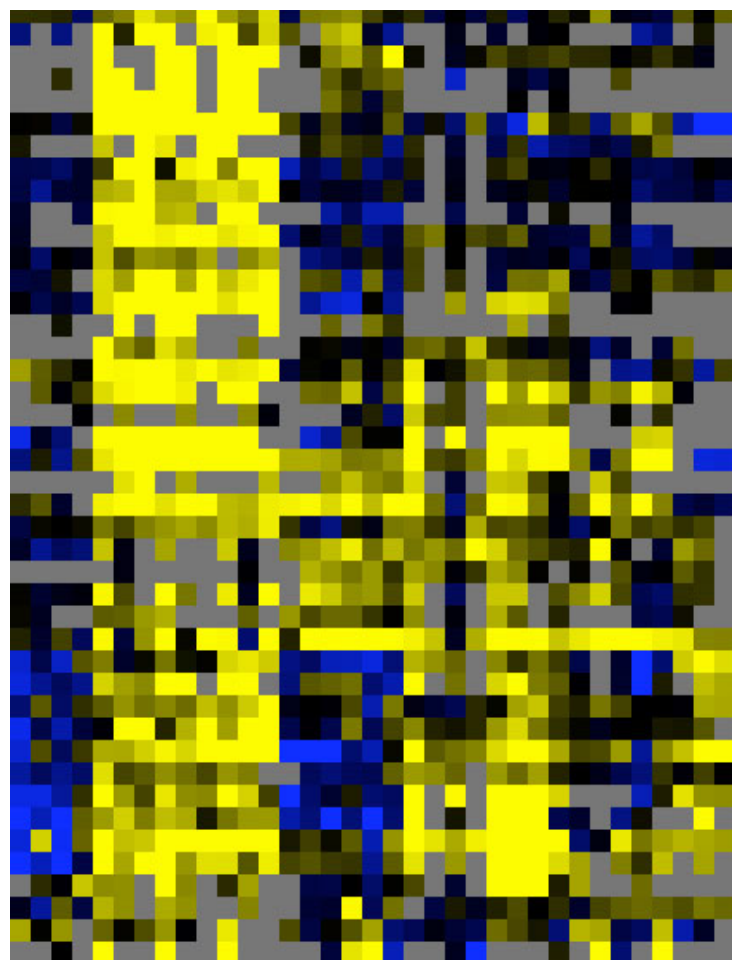
	CG16753	/
	CG10067	Act57B; structural constituent of cytoskeleton; glucuronosyltransferase activity
	CG4427	cabut; transcriptional activator activity
	CG17494	/
	CG3198	nuclear mRNA splicing, via spliceosome
	CG15561	/
	CG12358	Paip2; protein binding
	CG12534	flavin-linked sulfhydryl oxidase activity
	CG18535	/
	CG5874	RNA binding
	CG1898	HBS1; translation release factor activity; translation elongation factor activity
	CG12581	/
	CG6116	molecular function unknown
	CG3039	ogre; gap-junction forming channel activity
	CG11525	CycG; cyclin-dependent protein kinase regulator activity
	CG2093	/
	CG1091	/
	CG13097	RNA binding; nucleic acid binding
	CG14479	/
	CG3983	receptor binding; hormone activity
	CG10161	eIF-3p66; translation initiation factor activity; GO:0003743; ; GO:0003743; ; GO:0003743
	CG11990	/
	CG14804	intracellular protein transport; lysosome organization and biogenesis
	CG11259	MICAL-like; actin binding; structural constituent of cytoskeleton
	CG4006	Akt1; receptor signaling protein serine/threonine kinase activity
	CG5353	threonine--tRNA ligase
	CG5836	SF1; pre-mRNA splicing factor activity; transcription cofactor activity
	CG4602	Srp54; RNA binding; pre-mRNA splicing factor activity
	CG7564	nuclear mRNA splicing, via spliceosome
	CG7788	Ice; caspase activity
	CG6962	/
	CG5355	proyl oli; GOpeptidase activity
	CG16750	protein binding; receptor binding; perception of sound
	CG4994	Mpcp; carrier activity; phosphate transporter activity
	CG9277	betaTub56D; GTP binding; structural constituent of cytoskeleton
	CG6767	nucleotide kinase activity; ribose-phosphate diphosphokinase activity
	CG9915	/
	CG17187	/
	CG3183	geminin; DNA binding, regulation of cell cycle
	CG4528	snf; RNA binding; pre-mRNA splicing factor activity
	CG2028	CkIalpha; casein kinase I activity; receptor signaling protein serine/threonine kinase activity
	CG5014	Vap-33-1; intracellular protein transport; synaptic transmission
	CG7583	CtBP; protein C-terminus binding; transcription corepressor activity
	CG5605	eRF1; translation termination factor activity; translation release factor activity
	CG4863	Rpl3; nucleic acid binding; structural constituent of ribosome
	CG5130	zinc ion transporter activity

III.

	CG11450 net; RNA polymerase II transcription factor activity
	CG2982 /
	CG2198 Ama; antigen binding
	CG12018 nucleic acid binding; delta DNA polymerase activity
	CG2863 Nle; Notch signaling pathway
	CG3568 /
	CG13813 /
	CG5913 /
	CG17337 /
	CG18410 /
	CG17843 flavin-linked sulfhydryl oxidase activity; glucosidase activity
	CG7108 DNApol-alpha50; nucleic acid binding; primase activity; alpha DNA polymerase activity
	CG10121 SP1173
	CG4978 Mcm7; chromatin binding; DNA replication origin binding; DNA helicase activity
	CG5371 RnrL; ribonucleoside-diphosphate reductase activity
	CG8171 dup; DNA binding, DNA replication checkpoint
	CG7628 phosphate transporter activity
	CG6897 /
	CG13849 Nop56; RNA binding
	CG6375 pit; nucleic acid binding; RNA helicase activity; ATP-dependent RNA helicase activity
	CG7182 defense response; protein folding; response to heat; response to stress
	CG13425 bl; RNA binding; transcription factor binding, appendage morphogenesis; cell fate commitment; proliferation
	CG7878 nucleic acid binding; helicase activity; ATP-dependent RNA helicase activity
	CG11803 ATP binding; ATPase activity, coupled to transmembrane movement of substances; transporter activity
	CG9253 nucleic acid binding; ATP-dependent RNA helicase activity
	CG10778 acyltransferase activity; transferase activity
	CG5383 PSR
	CG18600 /
	CG9983 Hrb98DE; RNA binding
	CG6724 /
	CG3593 r-l; orotate phosphoribosyltransferase activity; orotidine-5'-phosphate decarboxylase activity
	CG7447 /

IV.

	CG1910 molecular function unknown
	CG15353 /
	CG14489 olf186-M
	CG15093 3-hydroxyisobutyrate dehydrogenase activity
	CG14846 /
	CG17032 /
	CG12023 /
	CG12287 pdm2; DNA binding; specific RNA polymerase II transcription factor activity, :CG15487:CG15486
	CG7924 /
	CG2762 ush; transcription factor binding; ligand-dependent nuclear receptor activity; transcription factor activity
	CG3385 nvy; transcription factor activity
	CG9552 rost; mesoderm development; myoblast fusion
	CG2444 /
	CG7860 asparaginase activity
	CG17738 /
	CG17345 amd; carboxy-lyase activity; aromatic-L-amino-acid decarboxylase activity
	CG12843 Tsp42Ei; Tetraspanin
	CG13250 /
	CG9812 /



CG2663	carrier activity; tocopherol binding
CG10197	kn; collier; transcription regulator activity; specific RNA polymerase II transcription factor activity
CG10619	tup; specific RNA polymerase II transcription factor activity
CG5966	triacylglycerol lipase activity
CG8376	ap; zinc ion binding; specific RNA polymerase II transcription factor activity
CG1148	Osi2; transcription regulator activity
CG1803	regucalcin; anterior/posterior axis specification; calcium-mediated signaling
CG10704	toe; transcription factor activity
CG3132	Ect3; beta-galactosidase activity
CG9427	/
CG7820	CAH1; carbonate dehydratase activity
CG1058	rpk; sodium channel activity; amiloride-sensitive sodium channel activity
CG9023	Drip; water transporter activity; carrier activity
CG10601	mirr; protein binding; transcription factor activity
CG6680	serine-type endopeptidase inhibitor activity
CG9623	if; protein binding; receptor activity; cell adhesion molecule binding
CG10570	/
CG3254	pgant2; polypeptide N-acetylgalactosaminyltransferase activity
CG3830	vg; wing margin morphogenesis; wing morphogenesis
CG1897	msh/ specific RNA polymerase II transcription factor activity
CG8216	/
CG9358	Phk-3; diacylglycerol binding; protein serine/threonine kinase activity; carrier activity
CG18589	TepII; wide-spectrum protease inhibitor activity
CG11370	/
CG10208	/
CG5397	sterol O-acyltransferase activity; hydrolase activity, acting on ester bonds
CG9372	trypsin activity; serine-type peptidase activity
CG7539	Edg91; structural constituent of pupal cuticle
CG10625	/
CG1698	potassium:amino acid transporter activity; cation transporter activity
CG11905	/
CG8501	/
CG4766	/
CG1794	Mmp2; metalloendopeptidase activity; structural molecule activity
CG4746	mab-2; encodes Mab-21, involved in cell fate determination
CG8502	structural constituent of larval cuticle
CG4914	SP39; trypsin activity; serine-type endopeptidase activity
CG9307	chitinase activity; hydrolase activity, hydrolyzing N-glycosyl compounds
CG7811	b; aspartate 1-decarboxylase activity; glutamate decarboxylase activity
CG8587	Cyp301a1; electron transporter activity; oxidoreductase activity
CG16884	/
CG8012	/