

Table S1. Genes with dramatically altered lipid droplet morphology

Class I Fewer lipid droplets	
CG#	Symbol
CG10370	Tbp-1
CG31991	mdy
CG1395	stg
CG5363	cdc2
CG5940	CycA
CG8975	RnrS
CG10484	Dox-A2
CG4904	Pros35
CG3329	Prosbeta2
CG10938	ProsMA5
CG7762	Rpn1
CG1341	Rpt1
CG16916	Rpt3
CG3455	Rpt4
CG3328	
CG7425	eff
CG32744	Ubi-p5E
CG7292	Rrp6
CG32782	tlk
CG8877	prp8
CG5352	SmB
CG10753	snRNP69D
CG1249	
CG4849	eEF2
CG14641	
CG3578	bi
CG7951	sima
CG7552	CG33967

Class II More lipid droplets, smaller size and more dispersed	
CG#	Symbol
CG10859	
CG10822	
CG8732	* I(2)44DEa shrb

CG3889	CSN1b
CG18332	CSN3
CG2038	CSN7
CG5179	Cdk9
CG7035	Cbp80
CG3180	Rpl1140
CG7885	Rpl133
CG6711	Taf2
CG7957	MED17
CG13867	MED8
CG18009	Trf2
CG1343	Sp1
CG7664	crp
CG31666	
CG2252	fs(1)h
CG4817	Ssrp
CG9007	
CG4429	Rbp2
CG9075	eIF-4a
CG9677	Int6
CG9769	eIF3-S5
CG32104	
CG1715	I(3)03670
CG6729	
CG9170	
CG9578	
CG10933	
CG14220	
CG15009	ImpL2

Class III More lipid droplets, normal/larger size and more

<u>CG#</u>	<u>Symbol</u>
CG8385	Arf79F
CG8487	garz
CG7961	alphaCop
CG6223	betaCop
CG6699	beta'Cop
CG14813	deltaCOP
	gammaCop

CG7490
CG5844

RpLPO

Class V Fewer lipid droplets, larger size

CG#	Symbol
CG1049	Cct1
CG18330	Cct2
CG2201	CK
CG8522	HLH106
CG33131	SCAP
CG3523	FAS

Ribosomal protein encoding genes

CG#	Symbol
CG12275	RpS10a
CG8332	* RpS15
CG8922	RpS15a
CG12324	* RpS15Ab
CG8900	* RpS18
CG15693	* RpS20
CG15697	RpS30
CG14792	sta
CG8857	RpS11
CG2033	* RpS15Aa
CG4046	* RpS16
CG3922	* RpS17
CG4464	* RpS19a
CG8415	RpS23
CG3751	RpS24
CG6779	* RpS3
CG2168	* RpS3A
CG10944	* RpS6
CG7808	* RpS8
CG5920	* sop
CG17521	RpL10
CG7283	RpL10Ab
CG4651	* RpL13
CG1475	RpL13A
	RpL17

CG5502
CG2960
CG11522
CG4897
CG3314
CG1263
CG6141

* RpL4
RpL40
RpL6
RpL7
RpL7A
RpL8
RpL9

Note:

* previously ider

phology identified in screen

Function

endopeptidase activity
diacylglycerol O-acyltransferase activity
protein tyrosine/serine/threonine phosphatase activity
cyclin-dependent protein kinase activity
cyclin-dependent protein kinase regulator activity
ribonucleoside-diphosphate reductase activity
endopeptidase activity
endopeptidase activity
endopeptidase activity; threonine endopeptidase activity
endopeptidase activity
endopeptidase activity
endopeptidase activity; ATPase activity
endopeptidase activity
endopeptidase activity
caspase activity
ubiquitin-protein ligase activity
protein binding
3'-5' exonuclease activity
protein serine/threonine kinase activity
RNA splicing factor activity
RNA splicing factor activity
RNA splicing factor activity
RNA splicing factor activity
translation elongation factor activity
mRNA binding; nucleic acid binding
RNA polymerase II transcription factor activity
RNA polymerase II transcription factor activity
unknown

sed

Function

motor activity; dynein complex
ATPase activity, coupled; dynein complex
long-chain-fatty-acid-CoA ligase activity
carrier activity

small GTPase regulator activity; signalosome
unknown; signalosome
unknown; signalosome
cyclin-dependent protein kinase activity
RNA cap binding
DNA-directed RNA polymerase activity
DNA-directed RNA polymerase activity
RNA polymerase II transcription factor activity
RNA polymerase II transcription mediator activity
RNA polymerase II transcription mediator activity
RNA polymerase II transcription factor activity
RNA polymerase II transcription factor activity
RNA polymerase II transcription factor activity
transcription factor activity
DNA binding; protein kinase activity
single-stranded DNA binding; single-stranded RNA binding
protein binding; zinc ion binding
translation initiation factor activity; mRNA binding
translation initiation factor activity
translation initiation factor activity
translation initiation factor activity
ATP binding; ATPase activity; calcium ion binding
unknown
unknown
unknown
unknown
unknown
unknown
unknown

» **dispersed**

Function

GTP binding; GTPase activity
ARF guanyl-nucleotide exchange factor activity
binding; protein transporter activity; COPI complex
binding; COPI complex
protein transporter activity; COPI complex
COPI complex
binding; COPI complex

structural constituent of ribosome; nucleic acid binding
structural constituent of ribosome; nucleic acid binding
structural constituent of ribosome; nucleic acid binding
structural constituent of ribosome; nucleic acid binding
structural constituent of ribosome; nucleic acid binding
structural constituent of ribosome; nucleic acid binding
structural constituent of ribosome; nucleic acid binding

ntified from Drosophila embryonic lipid droplet proteome

Initial screen left primer

ACAAAGTCCACCTTCCTCAAGC
CAATAAGGATCCCCAAGATAAGG
GAGATCTATCTGCTGCACAACG
GATGTTTTGATGGAGGAGAACC
TACAATTGCAAGCAGAAAGAGG
TTTTGATCGACACTTACATCCG
CGACAAGCTGGTAAAGAAATCC
CGATAGCGATGTTACTGTGTGG
CTACCAGGGTCATATCAGTGCC
AGGTGGACAAGCACATTGG
AACAAGCATTTCCTCAATCTGG
CTAAAGACTTATGGGCAGAGCC
GAGCTGTACAAGCAGATTGGC
CTCGATCTTCCTGTCCAAGC
CTACCAGAACCTATCCACCTGC
ACAAACACAACACCAACTCG
ATGTTGTAGTCGGACAGAGTGC
CTGCGAAGAAATACACAACAGG
ACACTTCACCAGCAGTCG
TTGTGTCAGGTATTTCGATCAGG
AAACACATGAACCTGATCCTCG
GCTGTTACAAAGATTAACGTCGG
GTGAAACCGAAATCGGAGC
TATACTGGACCCAAAGAGGG
ATCTGCTCCTTTTGGGTTAAGG
ATTTCGAGTTGCTCGGAAAGC
CTGCGGGAATATCATAACAACC
ACACAACACGGCCACACG

TCAAGTACATACTGCGCAATCC
TATTGATCATGAATCACTCGGG
ATGGTAATGATAACTGAATGCCG

Initial screen Right primer

GTTACTTTTAAGAGCCGTTGCG
CTGAGCTCTTCTCTGCTTCTCC
ATGATTAAGGGGTCTGATTTTCG
CTAAACAACCTGGTCAATTTCCG
GGAGTTCACAGAACATTTACGG
GTGAACACGTTGTCCAGGG
TGCTGTAGATGTCCGTAATTTCC
AATTCTTCTCCAGATAGGTGCG
GCTTCCTTTATTGAACCACTCC
GATCAATTTAAAACCACTGCCG
AAAAACAGGAACCTCGTGTAGG
AAGATGAGACAAGCCTTTTTGG
AACGATGTAGCGATTCTCACG
ATGACCACACTGACCATTATGC
GTGGAAGGATTTGATTTTCTCG
TGTTAAACAATTTGGACAACGC
TTTTCGTTAAGACCCTCACTGG
AAGCCACTCAATATCCAAATCG
GTCGTTGATCTTCTTGTGTCG
GCGGATTAAGATGAAAATTGC
ATACTTAATAGCCACCCCTGCC
GTGGCCATGAACACTCACC
GATGGATATTGGTTGCTGTACG
TCGATCTCGGAGTACATCTTCC
CGTAGGGAGCTGCATAAGTAGG
TTCTCCATGCTCTTAAGTTCCG
AGGCTCAAATCAATCTTTTGG
TTGTGAACACCAAGTGGATGG

GACCTGACCCTCCTGTAGTCC
AAAGTATCTTTGGCATTCTGAACC
TTGCCTTTGTAACCTTTATGCC
TCGATACAAAGCTAAGACTGCG

CAATTTATCTCCAGAATTGGGC
AGCTGCTCGTTATTGTTGCG
ACTTCGGTTCGATATAATTTGGC
TAAGAATCGCTATAACCAATCGC
GTCTCCAACGAGGATACAGTGC
GACCTTCGCCTCTACTCTTTCC
GACAACGTAAAGTTCGTCCTGG
CAATTGCTATGAAAACCTCGTCG
GTCACGGACCCAATATAACTGC
CGATGATCCAAAACTTGAGC
TCGGCTATCCAGCACATATACC
GTGTAGCGACTCGGAGGAGG
CAGGCGATTAGTGACAGTTCC

TCACATAGTCCATATGTTGCTGC
GACGTTGACTACAAGATTCCC
AGAAGAGCAAGAAAAAGGATCG
CGTTCATCGCATTTGTCG
ATTGCTATCCTTCAGCAAATCG
GTCCTGGTCTTCTTCAATCACC
CTCTGTGGACAAAGGTGTGG
AGTGCTGATGCACGACTACG
AGTTTTGAGTACATCCCCATCG
GAACTGGGCCTAAAGAAGGG
GAGTTTCTGGAGCTGATGACG
GGCCATCAAGTATGAGAAGTGC
ATGAACTAGAGGTGAAGCGTGG
GAACTTGCTCATCTCCTTGCC
GACCTGGTAGACGATAGCAACG

GCTTGCACTCACTCAGAAACC
TATAATCTGCATTCGGACTTCG
TAGCAACCACATTAAGTACGCC
AGTACGGGTATAACATTGGCG

CGCCATAAATATGTAAAGTTTCG

CTTATTGTGGGAGTCAATACGC
AAGCTATCGGGAGCTGGC
GCCAAAAACAAAGACATTCGG
GAGAAACTATTAGTCGGGTGCG
TAGGAGAACCAATTGACGAACC
TTCAGATCGTAGGGAGACATAGC
AAGAAGAACTTGTTTGGCTTGG
TACAATCCACACAGGTACTIONCG
ATCTGGTGAGAGTTGATCTGGC
CTTGATGTTTGTTCACAGCC
CCGTCTTGAGAGGATTACGC
GCTTTATATCCACGAGGGAGC
CTTGACCTTGACAATCTTCTCG

GGTAGCAACTTTGGTGGTGC
CAAAGTCCACGTCCTTGTAGC
GTTGGAGTGGTAGGAGTTGTGG
GACAGATCGTCCAGTTTGATCC
GTATCGTACAGATCGCAAAGGG
AGTAGTACTTCCAGGAGTCGGC
GAACATCTGAGTGAAGTACTGCTCG
GGATACACCATCTCCAGACACG
GAACCTCAAGAAGACCAACACC
ATGGACATGTTTAGATCGGACC
CTGGAGGATAAGTACAGGTGCC
TGCTTCCCATTGTCCACC
GTAGATCATCTGTTCCCAAGCC
GAGGTCTACAAGGAGTACATGCG
CTTGTAGTTGCCCATATCCTCC

TGATGAGGGGTAGGGAGAGG
TACAATGCATCGGTTGAGTAGG
GAGTAGCGGCTGTGAGATAAGC
CCATCTACAAGAAGTTCGATTGG

GCACCTACAACACTACGATTCACG
GATATTGCTTAACAAGGCTGGG

GTCATCTGGAGAACAACCCG
ACCGAAGAACATCCTTGTGG

TTGATGTA CTCTTGATGGTGG
AACATCACCTCATTCTGCACC

ACATCTATGCTCCTCTCAAGGC
ATGACATAACCCTATGGAGCTGG
TGGACACTACGAATGACTCAGC
CTGGGCAGTAGCTTTGTCTACC
TTTGTATCTTTGCCATAGTCGG
CTCTGGTCGCTAAACTGAACG

CTCTGCAGACTCTGGTAACTGC
TGTTTTCGACTAAGGGATACGC
ACATTAATTACGGACCAAAGGC
AAGTAAATCCTTCACCTTGGAGC
TCGCTAGAGGAGCTTTTATTGG
ACTTCCACGATGGTCTCACC

GTGTCGCCATCTACGAGTACC
CATGTCCAGAAGCTGGTCC
AGCAGATGAATGATCTCGAACG
AACAGTTTTGGCAAACAATCC
GTTCTCAACAGGCAGAAGG
GCGCATCATCGACTTGC
AATTCAGCCTCGATTGCG
GGACGATTCTTAGAACTGGC
CTCGAAACGGCTGTATTTGC
ACTTTGTGAACATTCATCGTCG
ACTTCCGCTCTTTTCTACCC
CGTGGTATCTCCATCAAGTTGC
CAGATGGACATCGTCAAGACC
AGCCTAACTCTGCCATCCG
GTCAAAATGTCCGGTACAACC
AAGCGTTTCAACTTCGAGACC
AACATGTTATGCTCAGCAATCG
GTGATCAACGTTCACTTTCTGC
GGTGAAACACCAAGCTCC
GTGGAAAGGAGGACTCCAAGG
AGGGAACCTAAACTTAGCACGC
TTGAAGCACATTCCTCGTCC
GTAGGCATGAAGAAGTGCTCG
GATCCCACACAAGACCAAGC

TTTTAATTGTCGTAGCGAGAAGC
AAAAATCCAATGAAAACTCGG
CTGAAAACGTGGTGGAGACC
ACTTTGTGAACATTCATCGTCG
ATACTCCGCACTAAAACGTTCC
CAATTTTCGCACAATAAAGTTGG
GACACTTGTTTCATCCAAAATCC
CTGAAGTTCGCCAAGTACACC
CCAACCGAACGACTAACTAACC
CTCTTGACTAATTGTGTTCCCG
TATGCCCTATTTTGTGCATCC
TGGAACGATGTTCACTTTGG
CTCTCTCGTGCAAACAAAAGC
TTGTCTGGAAAAGATTAGATGC
AACACTGATTTTGTGTTGTCGG
CTGTTGTTTTGTTGATTTGAGGG
AAGACGAAAGACTTCCCAAAGG
GTCTTGAAGAAGGGTGAGAAGG
GCTCCAGGTA CTTCATAACC
GAGTATGCCTGGTAAGGAGTGG
CAGCTGAGTAGTGAAGCTTTGG
CGCATCTAGTAAAGACGCTGG
CTCCAGGGTGAAACCACG
CCCTTGTTGTTGCTTAAACC
CCAACGCTGATTGCAAGG

GTCTACGACAAGGACGAGGG
AATGTCAAGGCTAAGATCCAGG
CCAAGACCTTCAACAGGACG
GTTTCATCAAGCTGAACAAGGC
ATGGCCCAACTAATTTTCATCC
GTACCATCATCTGCAACCTGG
ACGGATATCCTTGTTCTTGACG

AAGTGTGTCAGCTCTACTCGGG
GTGTAAATAGGCTGTGCCTTGG
TCAAGAAGGTGAAGAAGATCGG
TCTCACTGTTTACATCGAACCG
TACTGCATTGTGAAGGGTAAGG
ACAATACGTTTTATTCTGCCG
GTTTGGATTCCAGTACAAGATGC

Repeat screen left primer

GTCAACAAGACACTGCCCTACC
CAATAAGGATCCCCAAGATAAGG
ATAGGCTTTGCTGAAGTCGC
TTACACCCTTAGTTTTATTTACGGC
CTCATGTCTTGGTGGATCTGG
TGTACAATGAATTCGGAAAAGG
AATCTTGCACAGAGATTTACCCC
ACTGTGGCCATCGTCCG
GACTACGGATCTCATCTCCTCC
ACCACTGGTTCGTCTACAACG
AAAAAGCGCTGTGTAATTCTGC
TTGGTGGAGGTATAGATTTTCGC
GAGTTCATTGAAGTGCAGGAGG
ATTCGTCCATGAAAATGATGC
TCCAGCGAGAGCTAATCTATCC
CACACAATTAATCGCATGTTCCG
ATGTTGTAGTCGGACAGAGTGC
TTCGACTGGTTCGATCTTTACC
AGTACATTCAGCCACCGATACC
CTTGAGATACTGATGTGTGGGC
ATACTTAATAGCCACCCCTGCC
GCTGTTACAAAGATTAACGTCGG
TAATGGGATATGTTACTGGGATGG
AGCAAGACATGCAGGAGACC
TCTTTTGTAAATAGGGTGTGTGC
ATAACACCAACAATCTCGTGGC
AAGCGTATTAAGATTTTCGTGTGG
ATCTATGTAATAGGTCTTGCCATCG

TGTATTTGATGGTGAGAATCGG
GAAGTATTTGCAAAAGTGCAGG
ATGGTAATGATAACTGAATGCCG

Repeat screen left primer

GGAGTACTGCTCTGTAGGTCCG
CTGAGCTCTTCTCTGCTTCTCC
GAGTATCAAGTGATCACACGCC
AAACACCTACCGAAGACATTTGG
TATTAGCTAAGTCCGTGCGAGC
CAGTACATTGAGTTCGTAGCGG
ATAGTGCAAGTAGTTGCCGAGC
TTTGTTCCGTTTTAGGATCTATGC
TGTACGAAAAGGGTAGAAAGGG
GATCAATTTAAAACCACTGCCG
GAGCTGTACACGAAAGTCTCCC
TTCGACGAAATTGATGCTATCG
AGCATCGAAATGGAGCTATCC
ATGACCACACTGACCATTATGC
TGTCGTAGTAGAGCATTTGGTCC
AGTATGCTATGTGATGCGTTCC
GAGAACGTTAAGGCAAAGATCC
GTCGACCAAAGACTTTAGCAGC
TAAACTCGCTTGTATCATTCC
CTTCAACTTGTACGACGATTGG
GAACATAGTTTCACTGACGGTGG
GTGGCCATGAACACTCACC
CAGTCCGTGAAGAACAACACC
TGTTTATGCAAACGGTGATAGC
TCACAATATTTGATGGTGTCC
ACTTCTCCCACAGGTCTTTGC
TAATGAAACCATTGTGTCTCCG
GTAAACAGCGCAAAGAGAAACC

GATACCCGGGATCTTCTTATGC
CTTGGCATCTGGTGTAAAGAGC
TTGCCTTTGTAACCTTTATGCC
ACAACAGCTCCCAGACAACC

CACAACGAGGTAGTGGTCAGC
AGCTGCTCGTTATTGTTGCG
ACTTCGGTTCGATATAATTTGGC
GCCTTGGCCAATTTTCG
ACTGTGACATATGATTTCTGG
CTCATGGCTTACATTTCTGTGG
GAGATCCTCATAATTAAGCTGCG
TCGTGGCTACTCTCATATCTGG
AATCGCAATGTCTCAGATTTCC
CTTGATGTTTGTTCACAGCC
AAAACGTGAAGATACGGAAAGC
ACAGCTAGGTAAGCAGACAGGC
CTTTAATACTAGCCCGTGCTCC
GACATGTTGAACGTATGGAACG
ATTGTGCTAATCGGTGGTATGG
CAAAAACGTATGGGTCTGTATCC
AACGTCGAAATAAGAAAAGCG
ACGAGATAATCCGAGATAGAGGG
TACAGATGATGATCGACGAATCC
AGAGGTGGACTCCTGATAGTTGC
GAACATCTGAGTGAAGTCTCG
TAATGTGAGGATACACCATCTCC
AGTTTTGAGTACATCCCATCG
ACAACCTCATAGATGCAGTCTCC
TAATTTGGTGCATCAGTGTCC
CTGGCTTCTCATCTTTTGC
GTGATTGGTCAGGACTCTAGGC
CGACTCGATTTCTTATCATCC
AGCTCTATGTTGTGATGGCTCC

TACGTTCAAACCACCTACAACG
AAGCTATCGGGAGCTGGC
GCCAAAAACAAAGACATTCGG
ACACCGGTATTTCTTTAGTCAACAGC
AAAAGTATCACTTGATGGGGC
TCTCCACGTGAGTCTTTTAAGC
GTTTGACAGCTTGTTCTTCAGC
TACGCACTGTACGGAACCTAAGC
CTGTGTGATCACCTTTATGTAGGC
TCACACTTTCCACTTTGTGTCC
CCTGATCGTCGTAATAAGGAGC
GCGGAGCTATAGTTCTCACTCG
TCATCGCCAGAATCTAGAGACC
GTGCCATCTTGAGTGTTCACG
TTGCAATATCTGATCAAGACGG
AAGAGCAAGGAGTACATTTCCG
ACTGCTCTACCTCAGCAAAGC
TACAATGAAGCGCACATAACC
CTAAATGGATACAGAGGGGTTCC
CTGGAGTACATTTTGGAGACGG
TTACCAACTGTTTCTGTGTGCC
GCACCTGTTGAGTAACCTGTGG
GAACCTCAAGAAGACCAACACC
GATGCAGTGTTACTACAAGCCG
GAAACCTTCGGGTACAGTATCG
AGGAAAATCGCTTTAATGTGC
CTGCAGGATAAATAAGCTGGC
ACTATGTGCTGGAGAAGATGGC
CCTTGACTCGAGTGAATGTGC

TAGTTTCCTTTCTTGTGTGATTGG
AGTGCTCCTCCAGTAAATACGC
ATGGAACCTTCTCTACTGCCTCG
AATATCGTACTGATTGACATTGACG
CTCATCAAGCTTTGGAATTGG
GCCTTGGATTTGGTGTCC

ATCTTCGCATAACTTAAAGGGC
AACACCTTAGACATAATGGTGGC
ACTAGATGAAGACGGAGATGACC
CTCCGTCTTCACACTGTACTGC
CCCTCTAAAGTCTGCACACAGG
GAGTACAGCCACTCGCTCG
CACGTCCTTAGATTGGAAGAGC

GGACCCAGCAAGTTCG
GATGAGGAAGTGGCTGAGGC

TTTACAGCATGTTTAATGCAACTCG
AATGTATTTGAATAAGTTAGAAAGGTCCG

CAATTGAATCTCTGTTCCCTCCG
ATTGAAGATGAGCGATGAATCC
CTCAGGCTACTGATTGACTCCC
TGTTTGGATTAAGTCTACCGGC
GAAGTAGTCAAGGCACCAGACC
GTAATGGAGAACCTCGTGTTCC

GTTGAGGTAATCCGACTGTGG
AGAGCGGTAGCATCTTAAACTCC
TAATATACCCATGTCTAAGGAGCCC
CGCAGTAGCGATATCCATAGG
CACTAAGTGGGCACTACGTTACC
GTTAATGTCGCTGTACCACTGC

TACCTCTTCAAGGAGGGTGTGC
CATGTCCAGAAGCTGGTCC
CTTCATCATCAGGGAGCAGG
CTTACGGAAGTTTTCAAGTAAAGG
AAGTACTGGCAGCTGACCTCC
GCCATCATCGACTTGC
CCAAGTGGCCAGATCC
CTGATGTAGTGCCATCTGTGG
CTCGAAACGGCTGATTTTGC
ACTTTGTGAACATTCATCGTCG
ACTTCCGCTCTTTTCTACCC
TTAGATCGAGTTTCTGCCTGG
ATCCCGACTGGTTCTATGTGC
CCTTCTTCTCCTTGTAGAGGGC
GTTTTGTCGGTTGTTGATTGG
GTGCTTGGTATCAAGGTCAAGG
TTACGGTCTTGAACATCTTCTGC
CAAGACACCCTGCTTCATGG
GATGTTGTGTACAACGCCTCC
TCAAAAACCTGGATTGATTGG
TATCAGCTCCAGCGCACG
AAGTCCTATGATGCCTTCTGG
AACTTCGCCAAGACCATCG
GCATGATCCACACAAGACC

CGAGTAGTTTGCCTCAAAGTGG
AAAAATCCAATGAAAACTCGG
AGTTGCTGAAAACGTGGTGG
ACTTTGTGAACATTCATCGTCG
AACAAACTTCACGTATACTCCGC
CAATTTTTCGCACAATAAAGTTGG
GCTTCTCCACCTTGGGC
CTCTATCGGTCTGATGTGGTGG
CCAACCGAACGACTAACTAACC
GACCGGTAGGCTAAACAAGTGC
TATGCCCTATTTTGTGCATCC
AAGGAGATGTTGAAGCTTCTGG
ACACGATCTGGTTAGCAATACG
CCAAGCAGCCTAACTCTGCC
AAGAAGTTCGAGCCCAAGTACC
GTTGTTTTGTTGATTTGAGGGC
TCCGGTTTATTAGTTGAACATGG
CAGTGATTGCGTTAAAATAAGTGG
AAGAATACACACCCAAGATGCG
GAGATCATCGACTTCTTCTGG
GCTATTGCAAAAATAAGCCGTACC
CGCATCTAGTAAAGACGCTGG
GGCCTTGAACCTTCTTCTCATCC
AAAAACTTCTACGCATCTGAACG
AACACACATGAGACCGCCC

GTCACCAGACCTCCGCC
GTGGTATCATTGAGCCCTCG
CTGAAGAACCAAATCCATCCC
GTTTCATCAAGCTGAACAAGGC
AGGATCAACATCGTGGGC
GCGCAATTTAACATTATAACCG
ACGGATATCCTTGTTCTTGACG

ATGTCAGCCCAGATCTTCAGG
GTGTAAATAGGCTGTGCCTTGG
ACCAAGACGTTTCGTGAAGAAGC
GACTAAATCAGCGAATCGAAGC
GATCTGTCCCGTTTCGTTTCG
AACTCCGCGGATGTAGCC
GTTTGGATTCCAGTACAAGATGC