

Chlamydomonas protein name	Gonion protein name	Volvox protein name	Chlamydomonas v4 JGI protein ID(s)	Chlamydomonas v5.5 transcript ID(s)	Gonion ID(s)	Volvox v1 JGI protein ID(s)	Volvox v2 ID(s)	Tetrahymena (ID)s	Chlamydomonas JGI define	Volvox Define from JGI
Protein secretion and membrane trafficking										
RABA1	RABA1	RabA	195519	Au9.Cre03.g189250	scaffold000001.g861.t1	60379	Vocar20005686m	TSOC_012290-RA	small Rab-related GTPase	Rab-related GTPase; Rab-related GTPase; RabA/Rab11
RABB1	RABB1	YptV4/RabB	148836	Au9.Cre02.g126100	scaffold000005.g307.t1	106534	Vocar20010384m	TSOC_006167-RA	small Rab-related GTPase	small G-protein (yptV4); RabB/Rab2
RABC1	RABC1	RabC1	195518	Au9.Cre09.g386900	scaffold000005.g394.t1	66052	Vocar20003729m	TSOC_006791-RA	small Rab-related GTPase	Rab-related GTPase; RabC/Rab18
RABC2	RABC2	RabC2	195872	Au9.Cre13.g595450	scaffold000010.g942.t1	78758	Vocar20002466m	TSOC_011166-RA	small Rab-related GTPase	Rab-related GTPase; RabC/Rab18
RABC3	RABC3	YptV3/RabC3		Au9.Cre11.g482900	scaffold000010.g942.t1	108490	Vocar20014458m	TSOC_004957-RA	small Rab-related GTPase	Rab-related GTPase; RabC/Rab18
RABD1	RABD1	YptV1/RabD	60490	Au9.Cre12.g560150	scaffold000075.g726.t1	104295	Vocar20008507m	TSOC_000131-RA	small Rab-related GTPase	small G-protein (yptV1); RabD/Rab1
RABE1	RABE1	YptV2/RabE	195520	Au9.Cre15.g641800	scaffold000062.g924.t1	83299	Vocar20006056m	TSOC_009328-RA	small Rab-related GTPase	small G-protein (yptV2); RabE/Rab8
RABF1	RABF1	RabF	81259	Au9.Cre12.g517400	scaffold000008.g301.t1	108963	Vocar20014350m	TSOC_010627-RA	small Rab-related GTPase	RabF/Rab5
RABG1	RABG1	YptV5/RabG			scaffold000004.g531.t1	79428	Vocar20007913m	TSOC_006651-RA	RABG1, small Rab-related GTPase; small Rab-related GTPase	small G-protein (yptV5); RabG/Rab7
RABH1	RABH1	RabH	195522	Au9.Cre01.g047550	scaffold000003.g233.t1	73845	Vocar20009563m	TSOC_009040-RA	small Rab-related GTPase	Rab-related GTPase; RabH/Rab6
RABL1/RABL2A	RABL1	Rabl2A	192441	Au9.Cre17.g722350	scaffold000029.g407.t1	102687	Vocar20001372m	TSOC_012595-RA	small Rab-related GTPase	Rab-related GTPase; Rab-related GTPase
Rab23	Rab23	Rab23			scaffold000010.g849.t1	115722	Vocar20002566m	TSOC_009161-RA	RAB23, small Rab-related GTPase; small Rab-related GTPase	Rab-related GTPase; Rab23
FAP156	FAP156	Fap156	129193	Au9.Cre01.g047950	scaffold000003.g206.t1	80291	Vocar20008262m	TSOC_002912-RA	small Rab-related GTPase	Rab-related GTPase
RAB28	RAB28	Rab28	195523	Au9.Cre17.g715050	scaffold000005.g394.t1	62839	Vocar20015217m	TSOC_008030-RA	small Rab-related GTPase	Rab-related GTPase; Rab28-like
SNP1	SNP1	Syp1	195969	Au9.Cre13.g588550	scaffold000059.g666.t1	89089	Vocar200022270m	Manual Build	Qc-SNARE Sso1/Syntaxin1 (PM)-type	Qc-SNARE, Sso1/Syntaxin1 (PM)-type
SNP3	SNP3	Syp3	195412	Au9.Cre16.g692050	scaffold000023.g53.t1	81752	Vocar20002267m	TSOC_009357-RA	Qc-SNARE protein, Sed5/Syntaxin5-family	Qc-SNARE, Sed5/Syntaxin5-family
SNP4	SNP4	Syp4	195401	Au9.Cre12.g507450	scaffold000002.g1483.t1	103767	Vocar20001023m	TSOC_003932-RA	Qc-SNARE protein, Tlg2/Syntaxin16-family	Qc-SNARE, Tlg2/Syntaxin16-family
SNP5	SNP5	Syp5	189016	Au9.Cre17.g709350	scaffold000022.g484.t1	91993	Vocar20003242m	TSOC_012559-RA	Qc-SNARE protein, Syn8/Syntaxin8-family	Qc-SNARE, Syn8/Syntaxin8-family
SNP6	SNP6	Syp6	130559	Au9.Cre06.g290100	scaffold000021.g597.t1	55748	Vocar20009341m	TSOC_013462-RA	Qc-SNARE protein, Tlg1/Syntaxin 6-family	Qc-SNARE, Tlg1/Syntaxin 6-family
SNP71; SNP72	SNP71	Syp71	195405; 195406	Au9.Cre02.g099050; Au9.Cre02.g098950	scaffold000020.g359.t1	91067	Vocar20006060m	TSOC_005813-RA/TSOC_010988-RA	Qc-SNARE, SYP7-family; Qc-SNARE protein, SYP7-family	Qc-SNARE, SYP7-family
SNP8	SNP8	Syp8	195411	Au9.Cre17.g711450	scaffold000024.g207.t1	96826	Vocar20011718m	TSOC_007239-RA	Qc-SNARE protein, Ule1/Syntaxin 18 family	
SNP6L	SNP6L	Syp6L	160025	Au9.Cre06.g293100	scaffold000021.g597.t1	55748	Vocar20009341m	TSOC_013462-RA	Qc-SNARE SYP6-like protein	Qc-SNARE, Tlg1/Syntaxin 6-family
SNP2	SNP2	Syp2	406247	Au9.Cre01.g010700	scaffold000007.g1306.t1	86761	Vocar20009986m	TSOC_009496-RA	Qc-SNARE protein, Pep12/Syntaxin 7-family	
VAMP5/VAMP75	VAMP5/VAMP75	Vamp75	195409	Au9.Cre13.g596900	scaffold000022.g470.t1	54976	Vocar20002998m	TSOC_006464-RA	R-SNARE protein, VAMP71-family	
SEC22	SEC22	Sec22	57076	Au9.Cre12.g554700	scaffold000021.g733.t1	80612	Vocar20006520m	TSOC_012066-RA	R-SNARE protein, Sec22-family	R-SNARE, Sec22-family
YKT6	YKT6	Ykt6	195465	Au9.Cre17.g728150	scaffold000006.g510.t1	75062	Vocar20013136m	TSOC_006634-RA	R-SNARE protein, YKT6-family	
VAM1/VAMP71	VAM1/VAMP71	Vamp71	128777	Au9.Cre04.g224750	scaffold000016.g606.t1	70315	Vocar20011823m	TSOC_007676-RA	R-SNARE protein, VAMP72-family	
VAM2/VAMP72	VAM2/VAMP72	Vamp72	195403	Au9.Cre04.g225900	scaffold000016.g625.t1	70298	Vocar20011802m		R-SNARE protein, VAMP72-family	
VAM3/VAMP73	VAM3/VAMP73	Vamp73	195404	Au9.Cre04.g225850	scaffold000016.g606.t1	78158	Vocar20011836m	TSOC_007676-RA	R-SNARE protein, VAMP72-family	
VAM4/VAMP74	VAM4/VAMP74		136188	Au9.Cre04.g224800					R-SNARE protein, VAMP72-family	
BET1	BET1	Bet1	183904	Au9.Cre03.g198100	scaffold000001.g916.t1	120875	Vocar20005400m	TSOC_009557-RA	Qc-SNARE protein, Bet1/mBET1 family	Qc-SNARE, Bet1/mBET1 family
BET3	BET3	Bet3.1; Bet3.2	184613	Au9.Cre01.g059600	scaffold000040.g592.t1	76384; 76381	Vocar20007702m			
SNR7/TML1	SNR7/TML1	Tml1	195468	Au9.Cre12.g558250	scaffold000075.g772.t1	86534	Vocar20008999m	TSOC_000104-RA	R-SNARE protein, Tomsyn-like family	R-SNARE, Tomsyn-like family
SNAP34	SNAP34	Snap34	195408	Au9.Cre02.g100250	scaffold000062.g897.t1	104786	Vocar200055891m	TSOC_001539-RA	Qb+c-SNARE, SNAP25-family; Qb+c-SNARE protein, SNAP25-family	
MEMB1	MEMB1	Memb1	195462	Au9.Cre12.g554200	scaffold000021.g740.t1	104271	Vocar20006399m	TSOC_004534-RA	Qb-SNARE protein, Bos1/Membrin family	Qb-SNARE, Bos1/Membrin family
SNAPG1	SNAPG1	SnapG1	173710	Au9.Cre08.g385700	scaffold000087.g421.t1	95241	Vocar20004731m	TSOC_008997-RA	gamma SNAP	
SNAPA1	SNAPA1	SnapA1	23974	Au9.Cre02.g099150	scaffold000597.g669.t1	81196	Vocar20004417m	TSOC_008196-RA	alpha-SNAP	
CDC48	CDC48	Cdc48	134171	Au9.Cre06.g269950	scaffold000027.g630.t1	78972	Vocar20002917m	TSOC_007546-RA		Protein involved in ubiquitin dependent degradation of ER-bound substrates
VPS45	VPS45	Vps45	195471	Au9.Cre07.g333950	scaffold000077.g4.t1	77223	Vocar20013948m	TSOC_007955-RA		
VPS33	VPS33	Vps33	195470	Au9.Cre12.g515550	scaffold000090.g527.t1	103690	Vocar20014276m	TSOC_004500-RA		
Actin cytoskeleton										
MYO1	MYO1A; MYO1B	MyoA	185104	Au9.Cre16.g58650	scaffold000009.g540.t1; scaffold000009.g542.t1	82838	Vocar20010522m	TSOC_010099-RA/TSOC_012467-RA	myosin heavy chain, class XI	type XI myosin heavy chain MyoA
MYO2	MYO2	MyoB	119317	Au9.Cre13.g563800	scaffold000013.g634.t1	57247	Vocar20014740m	TSOC_002407-RA	myosin heavy chain, class XI	type XI myosin heavy chain MyoB
MYO3	MYO3	MyoC	113760	Au9.Cre09.g416250	scaffold000055.g312.t1	107085	Vocar20005516m	TSOC_008396-RA	myosin heavy chain, class VIII	type VIII myosin heavy chain MyoC
		MyoD			scaffold000009.g540.t1	103833	Vocar20001000m	TSOC_012467-RA		class XI myosin heavy chain MyoD
MYO5	MYO5	MyoE	377863	Au9.Cre03.g197800	scaffold000001.g921.t1	90836	Vocar20005409m	TSOC_015383-RA	myosin heavy chain, class XI	putative class XI myosin MyoE
		MyoF				95387	geneset4_pg.C_scaffold_43000114			type XI myosin MyoF
IDA5	IDA5	ActA	24392	Au9.Cre13.g603700	scaffold000097.g773.t1	109972	Vocar20011101m	TSOC_012574-RA		actin
NAP1	NAP1; NAP2	Nap1			scaffold000001.g510.t1; scaffold000097.g773.t1	127374	Vocar20008104m	TSOC_012574-RA		novel actin-like protein
ARP2	ARP2	Arp2	24114	Au9.Cre16.g687500	scaffold000004.g946.t1	107689	Vocar20001576m	TSOC_013115-RA	Actin-related protein	actin-related protein Arp2
ARP3	ARP3	Arp3	118745	Au9.Cre16.g676050	scaffold000097.g773.t1	101864	Vocar20000226m	TSOC_012574-RA	Actin-related protein	actin-related protein Arp3
ARP5	ARP5	Arp4	112378	Au9.Cre06.g249300	scaffold000005.g126.t1	69220	Vocar20003482m	TSOC_008038-RA	Actin-related protein	actin-related protein Arp4
		Arp6			scaffold000002.g1043.t1	121135	Vocar20011015m		Actin-related protein	actin-related protein Arp6
ARP7	ARP7	Arp7	103067	Au9.Cre12.g545000	scaffold000007.g190.t1	94505	Vocar20006416m	TSOC_001376-RA	Actin-related protein	actin-related protein Arp7
ARPC1	ARPC1	ArpC1	177203	Au9.Cre16.g648100	scaffold000003.g120.t1	58274	Vocar20009426m	TSOC_008086-RA	ARP2/3 (actin-related protein) complex	actin-related protein ArpC1
ARPC2	ARPC2	ArpC2	518332		scaffold000009.g713.t1	119936	Vocar20003972m	TSOC_006552-RA	Actin-related protein	actin-related protein ArpC2
ARPC3	ARPC3	ArpC3	399563		scaffold000018.g105.t1	65632	Vocar20004563m	TSOC_003210-RA	Actin-related protein	actin-related protein ArpC3
ARPC4	ARPC4	ArpC4	400848	Au9.Cre06.g260800	scaffold000010.g757.t1	72447	Vocar20002458m	TSOC_015482-RA	Actin-related protein	actin-related protein ArpC4

FOR1	FOR1	ForA		144027	Au9.Cre03.g166700	scaffold00001.g840.t1		10747	Vocar20006844m	TSOC_000371-RA	formin	putative protein containing a FH2 domain; formin
		AdfA		378877	Au9.Cre07.g339050	scaffold00004.g845.t1		68164	Vocar20001537m	TSOC_007706-RA	actin-depolymerizing factor	actin-depolymerizing factor AdfA
gelsolin	gelsolin	gelsolin		190925	Au9.Cre12.g555600	scaffold00056.g375.t1		108308	Vocar20008675m	TSOC_015472-RA	gelsolin	actin-binding protein Gelsolin
PRO1	PRO1	PrfA		181887	Au9.Cre10.g427250	scaffold00001.g67.t1		106260	Vocar20011588m	TSOC_004650-RA	profilin	profilin
CAP1	CAP1	CapA		402056	Au9.Cre06.g304100	scaffold00275.g721.t1		79641	Vocar20002210m	TSOC_001558-RA	actin monomer-binding protein Cap/Srv2p	actin monomer-binding protein Cap/Srv2p
VIL1	VIL1	VilA		206215	Au9.Cre12.g493700	scaffold00011.g292.t1		97468	Vocar20011903m	TSOC_013691-RA TSOC_009069-RA	F-actin-binding, Villin-like protein	villin-like protein
Microtubule cytoskeleton												
TUA1; TUA2	TUA1; TUA2	TubA1; TubA2		128523; 186023	Au9.Cre03.g190950; Au9.Cre04.g216850	scaffold00109.g204.t1; scaffold00175.g216.t1	77526; 109786		Vocar20003401m; Vocar20007377m	TSOC_003875-RA TSOC_003980-RA TSOC_003982-RA TSOC_003984-RA	alpha tubulin 1; alpha tubulin 2	alpha tubulin (tubA2)
TUB1; TUB2	TUB1; TUB2	TubB1; TubB2		129876; 129868	Au9.Cre12.g542250; Au9.Cre12.g549550	scaffold00254.g636.t1; scaffold00007.g1116.t1	75910; 77081		Vocar20006580m; Vocar20006546m	TSOC_010371-RA TSOC_008569-RA	beta tubulin 1; beta tubulin 2	beta tubulin (tubB2)
TUG1	TUG1	TubG		188933	Au9.Cre06.g299300	scaffold00022.g770.t1		80553	Vocar20009227m	TSOC_010899-RA	Gamma tubulin; was TUG	Gamma tubulin
UNI3	UNI3	TubD		136082	Au9.Cre03.g187350	scaffold00001.g844.t1		60395	Vocar20005662m	TSOC_008734-RA	delta tubulin	Delta tubulin
TUH1	TUH1	TubH		154376	Au9.Cre12.g513450	scaffold00035.g836.t1		116596	Vocar20014302m	TSOC_008569-RA	Eta tubulin; was TUH	Eta tubulin
TUE1	TUE1	TubE		188195	Au9.Cre03.g172650	scaffold00001.g530.t1		56250	Vocar20007894m	TSOC_007487-RA	Epsilon tubulin; was TUE	Epsilon tubulin
VFL2/CEN1	CEN1; CEN2	centrin; CnrA		159554	Au9.Cre11.g468450	scaffold00305.g832.t1; scaffold00305.g832.t1	109845; 66997		Vocar20006166m; Vocar20011868m	TSOC_007964-RA		putative centrin
KAT1	KAT1	KatA		53314	Au9.Cre10.g427600	scaffold00001.g65.t1		82654	Vocar20011290m	TSOC_004648-RA	katanin catalytic subunit, 60 kDa	katanin catalytic subunit, 60 kDa
VPS4	VPS4	KatB		98650	Au9.Cre10.g446400	scaffold00034.g691.t1		76995	Vocar20013814m	TSOC_004336-RA	katanin p60 catalytic subunit; was KAT2	katanin p60 catalytic subunit
PF15	PF15	KatC		80954	Au9.Cre03.g160450	scaffold00001.g457.t1		94919	Vocar20011343m	TSOC_004336-RA		microtubule severing protein katanin, p80 subunit
		Map1				scaffold00749.g916.t1		99065	Vocar20003919m	TSOC_003008-RA		microtubule associated protein (MAP) 1a
TOG1	TOG1	MorA		175143	Au9.Cre03.g149800	scaffold00040.g529.t1		121331	Vocar20007575m	TSOC_000455-RA	Microtubule associated protein	microtubule organizing protein (MAP) 1a
MAP65	MAP65	map65		394462	Au9.Cre14.g614050	scaffold000820.g49.t1		120144	Vocar20014438m	TSOC_001728-RA		microtubule-associated protein MAP65
EBP1/EB1	EBP1/EB1	EB1		194209	Au9.Cre17.g741200	scaffold00053.g116.t1		107043	Vocar20010036m	TSOC_011100-RA	microtubule plus-end binding protein	microtubule plus-end binding protein EB1
CLASP	CLASP	Clasp		206206	Au9.Cre09.g415700	scaffold00012.g410.t1		120833	Vocar20000672m	TSOC_001489-RA	CLIP-associating protein	CLIP-associating protein
SPR1	SPR1	Spr1		416188	Au9.Cre02.g130150	scaffold00062.g875.t1		103536	Vocar20005094m	TSOC_002968-RA		putative cortical microtubule associated protein SPIRAL1
GCP2	GCP2	Gcp2		150712	Au9.Cre12.g525500	scaffold00008.g158.t1		105911	Vocar20003866m	TSOC_009859-RA	Gamma tubulin interacting protein	gamma tubulin interacting protein
GCP3	GCP3	Gcp3		152585	Au9.Cre22.g764400	scaffold00018.g57.t1		97867	Vocar20014695m	TSOC_007776-RA	Gamma tubulin interacting protein	gamma tubulin interacting protein
GCP4	GCP4	Gcp4		146323	Au9.Cre01.g019150	scaffold00025.g308.t1		118030	Vocar20010175m	TSOC_014290-RA	Gamma tubulin interacting protein	gamma tubulin interacting protein
PLD1	PLD1	PlidA		190403	Au9.Cre13.g591900	scaffold00017.g787.t1		99461	Vocar20013469m	TSOC_002024-RA	putative MT associated signaling protein	putative MT associated signaling protein phospholipase D
	D1BLIC	D1BLIC		130394	Au9.Cre02.g135900	scaffold00027.g622.t1		92778	Vocar20012396m	TSOC_006086-RA	Cytoplasmic dynein 1b light intermediate chain, D1bLIC	Cytoplasmic dynein 1b light intermediate chain, D1bLIC
DHC12/DHC1B	DHC1B	DHC1b		24009	Au9.Cre06.g250300	scaffold00049.g493.t1		64869	Vocar20003534m	TSOC_003946-RA TSOC_005462-RA TSOC_009812-RA TSOC_010820-RA		Cytoplasmic dynein 1b heavy chain
ASP	ASP	Asp		306828	Au9.Cre06.g281150	scaffold00061.g829.t1		121728	Vocar20002504m	TSOC_003050-RA	abnormal spindle protein	microtubule-associated protein Asp
				402056	Au9.Cre06.g304100	scaffold00275.g721.t1		79641	Vocar20002210m	TSOC_001558-RA		
TTL1		TtIA		401790	Au9.Cre06.g300250	scaffold00022.g769.t1		59055	e_gw1.13.31.1	Manual Build	Tubulin tyrosine ligase	tubulin tyrosine ligase
TTL2/FAP267	TTL2/FAP267	TtIB		100760	Au9.Cre17.g699500	scaffold00014.g277.t1		30444	Vocar20010820m	TSOC_015101-RA	Tubulin tyrosine ligase	tubulin tyrosine ligase
TTL3	TTL3	TtIC		119250	Au9.Cre01.g059200	scaffold00040.g581.t1		65051	Vocar20007439m	TSOC_001227-RA	Tubulin tyrosine ligase	
	TTL4	TtID				scaffold00031.g393.t1		105441	Vocar20012311m	TSOC_000326-RA		
TTL5	TTL5	TtIE		513852	Au9.Cre12.g547700	scaffold00007.g1141.t1		107180	Vocar20006344m	TSOC_000073-RA	Tubulin tyrosine ligase	
TTL6		TtIF		146893	Au9.Cre01.g050451	scaffold00003.g176.t1		69077	e_gw1.86.15.1	TSOC_011047-RA	Tubulin tyrosine ligase	
CYG40/TTL7	CYG40/TTL7	TtIG		190398	Au9.Cre13.g591700	scaffold00017.g783.t1		99465	Vocar20013468m	TSOC_002020-RA	Tubulin tyrosine ligase	
TTL8	TTL8	TtIH		417267	Au9.Cre02.g120750	scaffold00058.g590.t1		108470	Vocar20014382m	TSOC_002685-RA	Tubulin tyrosine ligase	
Basal Body Proteins												
BBS5	BBS5	bbs5		182299	Au9.Cre06.g267550	scaffold00030.g279.t1		78967	Vocar20002910m	TSOC_007731-RA	Bardet-Biedl syndrome 5 protein	Bardet-Biedl syndrome 5
SFA	SFA	SFA		127995	Au9.Cre07.g332950	scaffold00054.g252.t1		84701	Vocar20004998m	TSOC_006732-RA	SF-assemblin	SF-assemblin
BBS8	BBS8	bbs8		140113	Au9.Cre16.g666500	scaffold00130.g573.t1		78311	Vocar20006783m	TSOC_005276-RA	TRP protein for ciliary function	putative TRP protein for flagellar function
BBS7				190054	Au9.Cre01.g043750	scaffold00003.g298.t1				TSOC_004733-RA	Bardet-Biedl syndrome 7 protein	
BBS4	BBS4	Bbs4		129948	Au9.Cre12.g548650	scaffold00007.g1126.t1		66874	Vocar20006733m	TSOC_015012-RA	Bardet-Biedl syndrome 4 protein	Bardet-Biedl syndrome protein 4
BBS3B	BBS3B	arf8		24475	Au9.Cre16.g64500	scaffold00009.g460.t1		70270	Vocar20010224m	TSOC_001462-RA	Bardet-Biedl syndrome protein 3B	small Arf-related GTPase
BBS2		Bbs2		126758	Au9.Cre06.g257250		121664			TSOC_012520-RA	Bardet-Biedl syndrome protein 2	Bardet-Biedl syndrome protein 2
BBS1	BBS1	Bbs1		132537	Au9.Cre17.g741950	scaffold00053.g86.t1		84205	Vocar20012554m	TSOC_008472-RA	Bardet-Biedl syndrome protein 1	Bardet-Biedl syndrome protein 1
OFD1		Ofd1		31640	Au9.Cre17.g703600			90133	Vocar20010634m	TSOC_009165-RA	basal body protein	basal body protein
VFL3	VFL3	Vil3		130542	Au9.Cre06.g279900	scaffold00061.g821.t1		84510	Vocar20002522m	TSOC_003059-RA	protein required for templated centriole assembly	protein conserved only in organisms with motile cilia
BLD10	BLD10	blidJ		166062	Au9.Cre10.g418250	scaffold00036.g112.t1		57967	Vocar20001034m	Manual Build	basal body protein	basal body protein
BBS9	BBS9; BBS10	bbs9		101137		scaffold00030.g813.t1; scaffold00030.g814.t1		119731	Vocar20001892m	TSOC_010849-RA	Bardet-Biedl syndrome 9; Bardet-Biedl syndrome 9 protein	Bardet-Biedl syndrome 9
Kinesin Motor Proteins												
								93532				kinesin-like protein
FLA10	FLA10	flaJ		185750	Au9.Cre17.g730950	scaffold00055.g287.t1		107307	Vocar20005007m	TSOC_007372-RA		Kinesin-II Motor Protein
FLA8	FLA8	flaH/kjpA		150766	Au9.Cre12.g522550	scaffold00002.g1306.t1		103736	Vocar20014186m		Kinesin-II motor subunit	kinesin-like protein
				345354	Au9.Cre09.g415450	scaffold00015.g280.t1		97023	Vocar20005653m	TSOC_010691-RA		putative Kif3C kinesin
KLP1	KLP1			186414	Au9.Cre02.g073750	scaffold00003.g471.t1		58470	Vocar20013677m	TSOC_003895-RA TSOC_003893-RA	Kinesin-like protein	Kif9 type kinesin, similar to C. reinhardtii KLP1
								94697				
					Au9.Cre01.g036800	scaffold00005.g430.t1		64266	Vocar20008333m	TSOC_014361-RA		Kif6 type kinesin-like protein
								76107	HAL_estExt_fgcnesh400039			putative Kif9 kinesin
IAR1	IAR1	invA		126081	Au9.Cre10.g418950	scaffold00036.g129.t1		127192	HAL_estExt_fgcnesh5_synt.C_90108	Manual Build	kinesin family protein	kinesin invA
								127420				kinesin-like protein
				149713	Au9.Cre09.g386700			127421		TSOC_004599-RA	kinesin motor family protein	kinesin-like protein

			13743	Au9.Cre03.g202000		127422		TSOC_001315-RA	Kinesin family member heavy chain	kinesin-like protein
						127423				kinesin-like protein
						105173				kinesin-like protein
						99650				subfamily 14A kinesin
						95520				kinesin-like protein
					scaffold000076.g809.t1	127417	Vocar20010941m	TSOC_004316-RA		kinesin-like protein
					scaffold000040.g569.t1	95391	Vocar20010813m	TSOC_010103-RA		kinesin related to Arabidopsis ATK5
					scaffold000009.g588.t1	127355	Vocar20002434m	TSOC_011162-RA		Kar3 member kinesin-like protein
						127424				kinesin-like protein
						93886				kinesin-like protein
						127418				kinesin-like protein
					scaffold000028.g750.t1	106268	Vocar20011695m	TSOC_008189-RA		kinesin-like protein
FAP125	FAP125		190816	Au9.Cre12.g546100	scaffold000034.g710.t1	94482	Vocar20006755m	TSOC_011506-RA	kinesin-like protein	similar to kinesin FAP125
					scaffold001122.g462.t1	93168	Vocar20014115m	TSOC_003022-RA		appears to contain kinesin motor domain
						96903				kinesin-like protein
						98132	lgenesH4_pg.C_scaffold_68000053	TSOC_000006-RA		putative Kif21-type kinesin
						127414	STM_lgenesH4_pg.C_scaffold_11000145	TSOC_003249-RA		kinesin-like protein
			408759	Au9.Cre17.g735200	scaffold000008.g90.t1	31481	Vocar20000498m	TSOC_003800-RA/TSOC_014900-RA		
						127427				
					scaffold000001.g269.t1	44127	Vocar20012989m			Kif4A type kinesin
						127415	STM_lgenesH4_pg.C_scaffold_16000212			kinesin-like protein
Cell cycle										
RDP1	RPD1	rdp1		Au9.Cre05.g247400	scaffold000004.g624	98123		TSOC_005421-RA	Putative rhodanese domain phosphatase	
RDP2	RPD2	rdp2		Cre01.g024850	scaffold000021.g722		Vocar20006718m	TSOC_004527-RA	Putative rhodanese domain phosphatase	
RDP3	RPD3	rdp3		Cre07.g352550	scaffold000006.g640	120993		TSOC_000732-RA	Putative rhodanese domain phosphatase	
CDKA1	CDKA1	cdka1	127285	Au9.Cre10.g465900	scaffold000047.g387.t1	127504	Vocar20015085m	TSOC_007286-RA		cyclin dependent kinase
CDKB1	CDKB1	cdkb1	59842	Au9.Cre08.g372550	scaffold000079.g124.t1	103386	Vocar20013545m	TSOC_006010-RA		plant specific cyclin dependent kinase
CDKC1	CDKC1	cdkc1	148395	Au9.Cre08.g385850	scaffold000087.g425.t1	82776	Vocar20004488m	TSOC_009000-RA		cyclin dependent kinase
CDKD1	CDKD1	cdkd1	137457	Au9.Cre09.g388000	scaffold000005.g340.t1	65162	Vocar20003575m	TSOC_009378-RA		
CDKE1	CDKE1	cdke1	120881	Au9.Cre04.g213850	scaffold000054.g202.t1	68363	Vocar20002074m			cyclin dependent kinase
CDKG1	CDKG1	cdkg1	126776	Au9.Cre06.g271100	scaffold000010.g1058.t1	127266	Vocar20002754m	TSOC_004551-RA	cyclin dependent kinase	Cyclin dependent kinase; G1 subfamily
CDKG2	CDKG2	cdkg2	139908	Au9.Cre17.g742250		127318			cyclin dependent kinase	cyclin dependent kinase
CDKH1	CDKH1	cdkh1	153970	Au9.Cre07.g355400	scaffold000006.g738.t1	83876	Vocar20006848m		cyclin dependent kinase	cyclin dependent kinase
CDKI1	CDKI1	cdki1/lf2	195781	Au9.Cre12.g494500	scaffold000019.g245.t1	119542	Vocar20013243m	TSOC_007933-RA	cyclin dependent kinase	cyclin dependent kinase
CYCA1	CYCA1; CYCA2	cyc1	147453	Au9.Cre03.g207900	scaffold000001.g929.t1; scaffold000903.g158.t1	127267	Vocar200055704m	TSOC_009562-RA	A-type cyclin	A type cyclin
CYCB1	CYCB1	cycb1	206115	Au9.Cre06.g284350	scaffold000008.g51.t1	127276	Vocar20003768m	TSOC_012370-RA	B-type cyclin	B type mitotic cyclin
CYCB1	CYCB1; CYCB2; CYCB3	cycb1	206112		scaffold000047.g388.t1; scaffold000047.g389.t1; scaffold000047.g390.t1	127293	Vocar20015027m	TSOC_013800-RA		Related to A and B type cyclins
CYCC1	CYCC1	cycc1			scaffold000001.g491.t1	127505	Vocar20006279m	TSOC_010052-RA		C type cyclin
CYCD1	CYCD1.1	cycd1.1	195780	Au9.Cre11.g467772	scaffold000047.g299.t1	127281	Vocar20010063m	TSOC_008914-RA	D-type cyclin	D type cyclin
	CYCD1.2	cycd1.2			scaffold000047.g300.t1	127284	Vocar20010067m	TSOC_008919-RA	D-type cyclin	D type cyclin
	CYCD1.3	cycd1.3			scaffold000047.g301.t1	127282	Vocar20010127m	TSOC_006929-RA	D-type cyclin	D type cyclin
	CYCD1.4	cycd1.4			scaffold000100.g16.t1	127283	Vocar20013188m		D-type cyclin	D type cyclin
CYCD2	CYCD2	cycd2	191762	Au9.Cre06.g289750	scaffold000041.g668.t1	127277	Vocar20013437m	TSOC_005199-RA	D-type cyclin	D type cyclin
CYCD3	CYCD3	cycd3	206110	Au9.Cre06.g284350	scaffold000044.g48.t1	127287	Vocar20007422m	TSOC_005193-RA	D-type cyclin	D type cyclin
CYCD4	CYCD4	cycd4	206166	Au9.Cre09.g414416	scaffold000041.g668.t1	127321	Vocar20007145m	TSOC_008922-RA	D-type cyclin	D type cyclin
	CYCD5				scaffold000011.g188.t1				D-type cyclin	D-type cyclin
CYCL1	CYCL1	cycl1		Au9.Cre07.g321650	scaffold000001.g226.t1	120598	Vocar20003178m	TSOC_010026-RA		L type cyclin
CYCM1	CYCM1	cycm1		Au9.Cre10.g453050	scaffold000669.g798.t1	107638	Vocar20010480m	TSOC_009098-RA		cyclin
CYCU1	CYCU1	cyu1		Au9.Cre02.g118050	scaffold000015.g335.t1	127509	Vocar20005157m		conserved expressed protein of unknown function	cyclin
CYCT1	CYCT1	cyct1	193461	Au9.Cre14.g613900	scaffold000453.g353.t1; scaffold000453.g354.t1	120142	Vocar20014399m	TSOC_001716-RA/TSOC_001717-RA		
WEE1	WEE1	wee1	194589	Au9.Cre07.g355250	scaffold000006.g738.t1	127274	Vocar20006845m	TSOC_003531-RA	CDK inhibitory kinase	wee1 kinase ortholog
CKS1	CKS1; CKS2	cks1	182779	Au9.Cre03.g180350	scaffold000017.g809.t1; scaffold000006.g542.t1	127315	Vocar20008026m	TSOC_007834-RA		CKS1 homolog
MAT3	MAT3	mat3	187248	Au9.Cre06.g255450	Minus_MT.g1278.t1	127376	Vocar20003526m	TSOC_012621-RA		retinoblastoma protein
E2F1	E2F1	e2f1		Au9.Cre01.g052300	scaffold000003.g108.t1	127253	Vocar20009308m	TSOC_008865-RA		E2F transcription factor family homolog
DP1	DP1	dp1		Au9.Cre07.g323000	scaffold000001.g256.t1	121369	Vocar20012742m	TSOC_004326-RA		putative DP transcription factor
E2FR1	E2FR1	e2fr1	168563	Au9.Cre13.g573000	scaffold000022.g868.t1	127270	Vocar20009839m		related to E2F and DP transcription factors, Chlamydomonas specific; transcription factor, E2F and DP-related	related to E2F and DP transcription factors
Cell wall proteins										
GP1				Cre09.g398900					Hydroxyproline-rich glycoprotein component of the outer cell wall	
GP2	GP2	gp2		Cre06.g258800	scaffold000010.g752	gb_EFJ52729.1			Hydroxyproline-rich glycoprotein component of the outer cell wall	
GP3	GP3	gp3		gb_CAJ98721.1	scaffold000026.g494	105161		TSOC_004978-RA	Hydroxyproline-rich glycoprotein component of the outer cell wall	