

Bbovis	Tannulata	Pfalciparum	Lmajor	Scerevisiae	ko_Bbo	ko_Tan	ko_Pfa	ko_Lma	ko_Sce	Bmicroti	o	Label	k	d	ko_synth	Ko_valid	Definition / Comments
										BBM_I00001	0		0	0	NA	Valid	Vesa-like
										BBM_I00002	0		0	0	NA		
										BBM_I00003	0		0	0	NA		
										BBM_I00004	0		0	0	NA	Valid	BMN family (1)
	TA15445									BBM_I00005	1		0	0	NA	Valid	Tpr related protein, putative
				YBL010C						BBM_I00015	1		0	0	NA	K00949	TPK, Thiamine pyrophosphokinase
BBOV_IV011270	TA09590	PF13_0141	LmjF34.0150	YDL078C			K00016	K00026	K00026	BBM_I00020	5		3	2	NA	K00016	L-lactate dehydrogenase [EC:1.1.1.27]
BBOV_IV003900	TA16970	PFE0285c	LmjF08.0470	YDR510W	K12160	K12160	K12160	K12160	K12160	BBM_I00025	5		5	1	K12160	K12160	small ubiquitin-related modifier
BBOV_I001690		PFB0195c								BBM_I00030	2		0	0	NA		
										BBM_I00035	0		0	0	NA		
BBOV_IV003920	TA16960									BBM_I00040	2	piro	0	0	Valid		
BBOV_I002460	TA08110	MAL13P1.244	LmjF30.1350	YOR070C						BBM_I00045	5		0	0	Valid	Valid	TBC domain containing protein
BBOV_I002190	TA08105	PF14_0186	LmjF29.1150	YDR475C						BBM_I00050	5		0	0	Valid		
BBOV_I002200	TA08100	PF14_0188		YHL030W					K11886	BBM_I00055	4	api+	1	1	Valid		
BBOV_I002210	TA08095	PFL0095c								BBM_I00070	3	api	0	0	Valid		
BBOV_IV003970	TA16935			YNL110C	K14838	K14838			K14838	BBM_I00075	3		3	1	K14838	K14838	NOP15, nucleolar protein 15
	TA15415									BBM_I00080	1		0	0	NA		
BBOV_IV004000	TA16925	PFC0965w								BBM_I00085	3	api	0	0	Valid		
BBOV_IV004010	TA16915					K14549				BBM_I00087	2	piro	1	1	Valid		
BBOV_IV004020	TA16910	MAL13P1.67		YLR417W			K00604		K12190	BBM_I00090	4	api+	2	2	Valid		
BBOV_IV004030	TA16905	PFIO670w								BBM_I00095	3	api	0	0	Valid		
BBOV_I004390	TA16890				K01887	K01887				BBM_I00100	2	piro	2	1	K01887	K01887	arginyl-tRNA synthetase [EC:6.1.1.19]
BBOV_I0011610	TA16810	PFIO685w	LmjF15.0360	YDL036C		K01718	K01718			BBM_I00105	5		2	1	K01718	K01718	pseudouridylylase [EC:4.2.1.70]
BBOV_I0011600	TA16815	PFE0335w								BBM_I00115	3	api	0	0	Valid		
BBOV_IV003760	TA16825	PF11_0047								BBM_I00120	3	api	0	0	Valid		
BBOV_I000130	TA17395	PF11_0293	LmjF19.0190	YOR298C-A	K03627	K03627	K03627	K03627	K03627	BBM_I00125	5		5	1	K03627	K03627	putative transcription factor
BBOV_I000120	TA17400	PF11_0295	LmjF22.1360	YJL167W	K00787	K00787	K00787	K00787	K00787	BBM_I00130	5		5	1	K00787	K00787	farnesyl diphosphate synthase [EC:2.5.1.1 2.5.1.10]
										BBM_I00132					Valid		trRNA, Ile, anticodon AAT
BBOV_I000140	TA17390	PF11_0458	LmjF36.1390							BBM_I00145	4	api+	0	0	Valid		
BBOV_I0011260	TA14870		LmjF31.0180							BBM_I00150	3		0	0	NA		
BBOV_I0011230	TA14860	PF11_0429	LmjF12.0300	YOL078W						BBM_I00160	5		0	0	Valid		
BBOV_I0011220	TA14855	PF11135c	LmjF36.6020	YHL013C				K13719		BBM_I00165	5		1	1	K13719	K13719	ubiquitin thioesterase OTU1 [EC:3.1.2.-]
BBOV_I0011210	TA14850	PF11_0427	LmjF36.0220	YPR183W	K00721	K00721	K00721	K00721	K00721	BBM_I00170	5		5	1	K00721	K00721	dolichol-phosphate mannosyltransferase [EC:2.4.1.83]
BBOV_I0011200										BBM_I00173	1		0	0	NA		
										BBM_I00175	0		0	0	NA		
BBOV_I0011180	TA14830	PF14_0456		YLR129W	K14556				K14556	BBM_I00180	4	api+	2	1	Valid		
BBOV_I0011170	TA14825	PF14_0455								BBM_I00185	3	api	0	0	Valid	Valid	ATM1 putative (not with Plasmodium)
										BBM_I00195	0		0	0	NA		
BBOV_I0011150	TA14820	PFC0635c	LmjF28.2500	YOL139C	K03259	K03259	K03259		K03259	BBM_I00200	5		4	1	K03259	K03259	translation initiation factor eIF-4E
BBOV_I0011140	TA14815	PFE1310c								BBM_I00205	3	api	0	0	Valid		
BBOV_I00111730	TA16980		LmjF32.2280	YDR377W					K02139	BBM_I00210	4		1	1	NA		Cystein Rich Modular Protein, CRMP
		MAL7P1.92								BBM_I00213	1		0	0	NA		Cystein Rich Modular Protein, CRMP
BBOV_I00111750	TA16990	PFIO570w	LmjF34.0570	YLR289W	K03596	K03596		K03596		BBM_I00215	5		3	1	K03596	K03596	GTP-binding protein LepA
			LmjF21.1270							BBM_I00220	1		0	0	NA		
BBOV_I002550	TA08150	PF14_0597	LmjF07.0060	YOR065W	K00413	K00413	K00413	K00413	K00413	BBM_I00225	5		5	1	K00413	K00413	ubiquinol-cytochrome c reductase cytochrome c1 subunit
										BBM_I00230	0		0	0	NA	K00134	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12], GAPDH
BBOV_I002520	TA08135									BBM_I00231	2	piro	0	0	Valid		
BBOV_I002510	TA08130	PF14_0601	LmjF35.3250	YNL290W	K10756	K10756	K10756	K10756	K10756	BBM_I00232	5		5	1	K10756	K10756	replication factor C subunit 3/5
BBOV_I002540	TA08145	PF14_0598	LmjF30.2980	YGR192C	K00134	K00134	K00134	K00134	K00134	BBM_I00233	5		5	1	K00134	K00134	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12], GAPDH
										BBM_I00235	0		0	0	NA		
										BBM_I00237					Valid		trRNA, Gly, anticodon GCC
BBOV_I002480	TA08120	PF10_0045								BBM_I00240	3	api	0	0	Valid		
BBOV_I002470	TA08115									BBM_I00245	2	piro	0	0	Valid		

BBOV_II002220	TA08090	PF14_0031a	LmjF15.1560	YLR272C					K06677	K06677	BBM_I00250	5		2	1	K06677	K06677	condensin complex subunit 1
BBOV_II002370	TA08040	PF10_0326									BBM_I00255	3	api	0	0	Valid		
		TA15320									BBM_I00260	1		0	0	NA		
		PFE0095c									BBM_I00265	1		0	0	NA		
BBOV_II002390	TA08030	MAL13P1.132	LmjF36.6190		K13110	K13110	K13110				BBM_I00275	4	api+	3	1	K13110	K13110	microfibrillar-associated protein 1
BBOV_II002340	TA08065	PFB0100c			K01354	K01354					BBM_I00280	3	api	2	1	Valid		
BBOV_II002240	TA08080	PF08_0109	LmjF07.1120	YHR200W	K03029	K03029	K03029	K03029	K03029		BBM_I00285	5		5	1	K03029	K03029	26S proteasome regulatory subunit N10
BBOV_II002330	TA08070	MAL8P1.128	LmjF35.4850	YGL011C	K02730	K02730	K02730	K02730	K02730		BBM_I00290	5		5	1	K02730	K02730	20S proteasome subunit alpha 1 [EC:3.4.25.1]
BBOV_II002250	TA08075	MAL8P1.125	LmjF14.1370	YGR185C	K01866	K01866	K01866	K01866	K01866		BBM_I00295	5		5	1	K01866	K01866	tyrosyl-tRNA synthetase [EC:6.1.1.1]
BBOV_II002230	TA08085	PFI0455w	LmjF06.0260	YOR048C	K12619	K12619	K12619	K12619	K12619		BBM_I00300	5		5	2	K12619	K12619	XRN2, RAT1, 5'-3' exoribonuclease 2 [EC:3.1.13.-
BBOV_II002360	TA08045	PFI0490c	LmjF26.1900								BBM_I00310	4	api+	0	0	Valid		
BBOV_II002350	TA08050				K12599	K12599					BBM_I00315	2	piro	2	1	K12599	K12599	antiviral helicase SKI2 [EC:3.6.1.-]
		PF14_0250	L2743.05	YJL216C					K01187		BBM_I00320	3		1	1	NA		
BBOV_II002410	TA08020	PFI0475w	LmjF34.3860	YLR147C	K11088	K11088	K11088	K11088	K11088		BBM_I00325	5		5	1	K11088	K11088	small nuclear ribonucleoprotein D3
BBOV_II002420	TA08015	PFI0470w	LmjF31.0030								BBM_I00330	4	api+	0	0	Valid		
BBOV_II002430	TA08010	MAL13P1.78									BBM_I00335	3	api	0	0	Valid		
											BBM_I00340	0		0	0	NA		
											BBM_I00345	0		0	0	NA		
		PFI0335w		YMR283C					K00777		BBM_I00350	2		1	1	NA		
BBOV_III005490		PFI0420c	LmjF30.1550	YFL001W			K01718	K06173	K01855		BBM_I00360	4		3	3	NA		
BBOV_III003660	TA02570										BBM_I00365	2	piro	0	0	Valid		
BBOV_IV003990	TA16930	MAL13P1.28		YBL074C	K13205	K13205			K13205		BBM_I00370	4	api+	3	1	K13205	K13205	A1 cistron-splicing factor AAR2
BBOV_III003670	TA02565										BBM_I00375	2	piro	0	0	Valid		
				YER023W					K00286		BBM_I00380	1		1	1	NA		
BBOV_III003680	TA02575	PF13_0032									BBM_I00385	3	api	0	0	Valid		
											BBM_I00390	0		0	0	NA		
											BBM_I00395	0		0	0	NA		
BBOV_I004840											BBM_I00400	1		0	0	NA		
BBOV_III004020	TA02650	PF13_0036	LmjF08.0990		K09528	K09528	K09528				BBM_I00405	4	api+	3	1	K09528	K09528	DnaJ homolog subfamily C member 8
BBOV_III004030	TA02645	PFC0255c	LmjF13.1580	YGL087C	K10704	K10704	K10704	K10704	K10704		BBM_I00410	5		5	1	K10704	K10704	ubiquitin-conjugating enzyme E2 variant
BBOV_III004040	TA02640	PFE0795c	LmjF25.2030	YLL010C							BBM_I00415	5		0	0	Valid		
BBOV_III004060	TA02630	PF13_0024									BBM_I00420	3	api	0	0	Valid		
											BBM_I00425	0		0	0	NA		
											BBM_I00430	0		0	0	NA		
			LmjF34.2460								BBM_I00435	1		0	0	NA		
BBOV_II004050	TA09375	PF10_0041		YKL173W	K12852		K12852		K12853		BBM_I00440	4	api+	3	2	Valid		
BBOV_II003870		PF14_0707									BBM_I00445	2		0	0	NA		
											BBM_I00450	0		0	0	NA		
											BBM_I00455	1		0	0	NA		
											BBM_I00460	0		0	0	NA		
											BBM_I00465	1		0	0	NA		
BBOV_II003890	TA09305	MAL8P1.43			K12857	K12857	K12857				BBM_I00470	3	api	3	1	K12857	K12857	Prp8 binding protein
BBOV_II003900	TA09310	PF13_0033	LmjF03.0540	YOR259C	K03064	K03064	K03064	K03064	K03064		BBM_I00475	5		5	1	K03064	K03064	26S proteasome regulatory subunit T4
BBOV_II003910			LmjF22.0290								BBM_I00480	2		0	0	NA		
											BBM_I00485	0		0	0	NA		
BBOV_II003920				YGL195W							BBM_I00490	2		0	0	NA		
BBOV_II003950	TA09320	PFD0930w	LmjF18.1620	YMR292W							BBM_I00495	5		0	0	Valid		
											BBM_I00500	0		0	0	NA		
											BBM_I00505	0		0	0	NA		
BBOV_II003970	TA09325	MAL13P1.151		YBR156C							BBM_I00510	4	api+	0	0	Valid		
BBOV_II003980	TA09330	PF10_0035									BBM_I00515	3	api	0	0	Valid		
			LmjF30.0990								BBM_I00520	1		0	0	NA		
											BBM_I00525	0		0	0	NA		
			LmjF26.2660								BBM_I00530	1		0	0	NA		

BBOV_I004000	TA09340	PFD0530c								BBM_I00535	3	api	0	0	Valid		
BBOV_I004010	TA09345	PF10_0036	LmjF13.0260	YHR013C	K00670	K00670	K00670	K00670	K00670	BBM_I00540	5		5	1	K00670	K00670	peptide alpha-N-acetyltransferase [EC:2.3.1.88]
BBOV_I004020	TA09350	PF10_0038	LmjF28.1030	YHL015W	K02969	K02969	K02969	K02969	K02969	BBM_I00545	5		5	1	K02969	K02969	small subunit ribosomal protein S20e
BBOV_I004030	TA09355	PF10_0039		YBR275C					K11118	BBM_I00555	4	api+	1	1	Valid		
BBOV_I004040	TA09370	PF10_0040								BBM_I00560	3	api	0	0	Valid		
BBOV_I004070	TA02625	PF13_0025								BBM_I00565	3	api	0	0	Valid		
BBOV_I004090	TA02615	PF13_0026								BBM_I00570	3	api	0	0	Valid		
BBOV_I004100	TA02610	PF13_0034	LmjF21.1340	YPR036W	K02144	K02144	K02144	K02144	K02144	BBM_I00575	5		5	1	K02144	K02144	V-type H+-transporting ATPase 54 kD subunit [EC:3.6.3.14]
BBOV_I004110	TA02605	MAL13P1.34								BBM_I00580	3	api	0	0	Valid		
BBOV_I004120	TA02600	MAL13P1.35								BBM_I00585	3	api	0	0	Valid		
BBOV_I004170	TA02595	MAL13P1.36	P131.03	YOL142W	K03681				K03681	BBM_I00590	5		2	1	K03681	K03681	exosome complex component RRP40
BBOV_I004010	TA02655			YDR449C	K14557	K14557			K14557	BBM_I00595	3		3	1	K14557	K14557	UTP6, U3 small nucleolar RNA-associated protein 6
	TA02660	PFC0250c	LmjF36.5270			K01741	K01741			BBM_I00600	3		2	1	NA		
BBOV_I0011410	TA03310	PF13_0040			K03040	K03040	K03040			BBM_I00605	3	api	3	1	K03040	K03040	DNA-directed RNA polymerase subunit alpha [EC:2.7.7.6]
BBOV_I0011420	TA15165		LmjF21.0080							BBM_I00610	3		0	0	NA		
BBOV_I0011430	TA15160	PF13_0041								BBM_I00615	3	api	0	0	Valid		
	TA10695									BBM_I00620	1		0	0	NA		
BBOV_I0011460	TA15140	MAL13P1.37								BBM_I00625	3	api	0	0	Valid		
BBOV_I0011470	TA15135	PF13_0042	LmjF22.0530	YLR016C	K13108	K13108	K13108		K13108	BBM_I00630	5		4	1	K13108	K13108	smad nuclear-interacting protein 1
BBOV_I0005690	TA12880	PF14_0717	LmjF25.0540	YPR129W						BBM_I00635	5		0	0	Valid		
BBOV_I0003390	TA07440	PF08_0135	LmjF26.1250	YGR145W					K14788	BBM_I00640	5		1	1	K14788	K14788	NOL10, ENP2, ribosome biogenesis protein ENP2
BBOV_I0003380	TA07445	PF14_0699								BBM_I00645	3	api	0	0	Valid	Valid	TBC domain containing protein
										BBM_I00646					Valid		5S ribosomal rRNA
BBOV_I0000220		PF10_0124		YMR277W					K01090	BBM_I00655	3		1	1	NA		
BBOV_I0010560	TA15005		LmjF16.0190	YKR063C						BBM_I00660	4		0	0	NA		
										BBM_I00665	0		0	0	NA		
BBOV_I0004710	TA13420	PF10_0188	LmjF17.1230							BBM_I00670	4	api+	0	0	Valid		
BBOV_IV000160	TA15975	MAL13P1.274	LmjF18.0150	YGR123C	K04460	K04460	K04460	K04460	K04460	BBM_I00700	5		5	1	K04460	K04460	protein phosphatase 5 [EC:3.1.3.16]
BBOV_IV000150	TA15970	MAL13P1.275								BBM_I00705	3	api	0	0	Valid		
BBOV_I0004720	TA13415	PF13_0296	LmjF35.4090	YNL138W-A	K12832	K12832	K12832	K12832	K12832	BBM_I00710	5		5	1	K12832	K12832	splicing factor 3B subunit 5
										BBM_I00715	0		0	0	NA		
BBOV_I0004730	TA13400	PF07_0037								BBM_I00720	3	api	0	0	Valid		
BBOV_I0005710	TA12875	PF10_0098								BBM_I00725	3	api	0	0	Valid		
		PFL1380w		YOL111C						BBM_I00730	2		0	0	NA		
BBOV_I0005700				YGR217W						BBM_I00735	2		0	0	NA		
										BBM_I00737					Valid		5S ribosomal rRNA
BBOV_I0003490	TA07375	PF14_0700			K09529	K09529				BBM_I00740	3	api	2	1	Valid		
BBOV_I0003480	TA07380	PF10630w	LmjF32.0390	YOR261C	K03038	K03038	K03038	K03038	K03038	BBM_I00745	5		5	1	K03038	K03038	26S proteasome regulatory subunit N8
BBOV_I0003470	TA07385	PF10635c								BBM_I00750	3	api	0	0	Valid		
BBOV_I0003460	TA07390	PF11_0106	LmjF21.0730	YPL249C-A	K02920	K02920	K02920	K02920	K02920	BBM_I00755	5		5	1	K02920	K02920	large subunit ribosomal protein L36e
BBOV_I0003450	TA07400	PF11_0105	LmjF30.0480	YBR247C	K14797	K14797	K14797	K14797	K14797	BBM_I00760	5		5	1	K14797	K14797	ENP1, BYSL, essential nuclear protein 1
			LmjF05.0440							BBM_I00765	1		0	0	NA		
										BBM_I00770	0		0	0	NA		
BBOV_I0003440	TA07410	PF11_0086	LmjF36.6060	YGR162W					K03260	BBM_I00780	5		1	1	K03260	K03260	translation initiation factor eIF-4F
BBOV_I0003430	TA07415	MAL7P1.20			K02836	K02836				BBM_I00785	3	api	2	1	Valid		
BBOV_I0003420	TA07420	MAL7P1.114		YGR286C					K01012	BBM_I00790	4	api+	1	1	Valid		
		PFB0615c								BBM_I00795	1		0	0	NA		
										BBM_I00800	0		0	0	NA		
	TA10965	PFF1280w								BBM_I00805	2		0	0	NA		
										BBM_I00810	0		0	0	NA		
BBOV_I0006230	TA13995	PF11_0048			K03115	K03115	K03115			BBM_I00815	3	api	3	1	K03115	K03115	CSNK2B, casein kinase II subunit beta
BBOV_I0005510	TA13565	PFI0910w	LmjF24.1530	YMR190C	K10901	K03654	K01509	K10901	K10901	BBM_I00820	5		5	3	NA		
BBOV_I0005520	TA13560	PF14_0174	LmjF21.1760	YLR175W	K11131	K11131	K11131	K11131	K11131	BBM_I00825	5		5	1	K11131	K11131	DKC1, NOLA4, CBF5, H/ACA ribonucleoprotein complex subunit 4
										BBM_I00830	0		0	0	NA		

BBOV_I005540	TA13550	PF14_0171	LmjF32.3890	YNL223W				K08342	K08342	BBM_I00840	5		3	1	K08342	K08342	autophagy-related protein 4 [EC:3.4.22.-]
BBOV_I005550	TA13545	PF14_0175								BBM_I00845	3	api	0	0	Valid		
										BBM_I00850	0		0	0	NA		
										BBM_I00855	0		0	0	NA		
										BBM_I00860	0		0	0	NA		
BBOV_I005560	TA13540									BBM_I00865	2	piro	0	0	Valid		
BBOV_I005570	TA13530	MAL13P1.206	LmjF10.1300	YBR296C	K14640	K14640	K14640		K14640	BBM_I00870	5		4	1	K14640	K14640	solute carrier family 20
BBOV_I005500	TA13525	MAL13P1.103								BBM_I00875	3	api	0	0	Valid		
BBOV_I005710	TA13660	PF13_0109	LmjF13.0940	YDR120C	K00555	K00555	K00555		K00555	BBM_I00880	5		4	1	K00555	K00555	tRNA (guanine-N2-)-methyltransferase [EC:2.1.1.32]
BBOV_I005700	TA13655	PFA_0310c	LT.01	YGL167C	K01537	K01537	K01537	K05853	K01537	BBM_I00885	5		5	2	K01537	K01537	Ca2+-transporting ATPase [EC:3.6.3.8]
BBOV_I002940	TA20340	PF10_0294	LmjF36.2830	YER013W	K12818	K12818	K12818		K12818	BBM_I00890	5		4	1	K12818	K12818	ATP-dependent RNA helicase DHX8/PRP22 [EC:3.6.4.13]
BBOV_I002930	TA20335									BBM_I00895	2	piro	0	0	Valid		
		PF0215w								BBM_I00900	1		0	0	NA		
										BBM_I00905	0		0	0	NA		
	TA14405	PF14_0020						K00866	K00866	BBM_I00910	2		2	1	NA		
BBOV_I002910	TA20305	PF07_0057	LmjF24.0210	YGL043W	K03145	K03145	K03145		K03145	BBM_I00915	5		4	1	K03145	K03145	transcription elongation factor S-II
	TA10300									BBM_I00920	1		0	0	NA		
BBOV_I002890		PF08_0041		YLR186W	K14568		K14568		K14568	BBM_I00925	3		3	1	K14568	K14568	EMG1, NEP1, essential for mitotic growth 1
BBOV_I002880	TA20285			YIL034C					K10365	BBM_I00930	3		1	1	NA		
BBOV_I002870	TA20280	PFL2195w		YLR206W					K12471	BBM_I00935	4	api+	1	1	Valid		
BBOV_I002860	TA20275									BBM_I00940	2	piro	0	0	Valid		
			LmjF21.1500							BBM_I00945	1		0	0	NA		
BBOV_I002850	TA20265	PF10_0272	LmjF32.3130	YOR063W	K02925	K02925	K02925	K02925	K02925	BBM_I00950	5		5	1	K02925	K02925	large subunit ribosomal protein L3e
										BBM_I00955	0		0	0	NA		
BBOV_I002900		PFC0905c								BBM_I00960	2		0	0	NA		
BBOV_I002780		PF10_0273								BBM_I00965	2		0	0	NA		
BBOV_I002790	TA20240	PF10_0274	LmjF36.2650	YML014W						BBM_I00967	5		0	0	Valid		
BBOV_I002800		PF10_0277	LmjF35.1820	YKL172W	K14823		K14823	K14823	K14823	BBM_I00970	4		4	1	K14823	K14823	EBP2, EBNA1BP2, rRNA-processing protein EBP2
BBOV_I002810		PF10_0278	LmjF26.0010	YKR081C	K14847			K14847	K14847	BBM_I00975	4		3	1	K14847	K14847	RPF2, ribosome production factor 2
BBOV_I002760	TA20230									BBM_I00980	2	piro	0	0	Valid		
	TA20220									BBM_I00985	1		0	0	NA		
BBOV_I002750		PF10_0282								BBM_I00990	2		0	0	NA		
										BBM_I00995	0		0	0	NA		
BBOV_I001640		PF0445w	LmjF12.0860							BBM_I00997	3		0	0	NA	Valid	hypothetical protein
BBOV_I002740		PF10_0281								BBM_I01000	2		0	0	NA		
BBOV_I001450	TA20210	PF11600w	LmjF29.0680	YNL197C						BBM_I01005	5		0	0	Valid		
										BBM_I01007	0		0	0	NA		
BBOV_I001460	TA20205	PF10_0291								BBM_I01010	3	api	0	0	Valid		
BBOV_I001520	TA20180	PF14_0372	LmjF30.0320	YOR154W						BBM_I01015	5		0	0	Valid		
BBOV_I001530	TA20175						K01529			BBM_I01017	2	piro	1	1	Valid		
BBOV_I0000180	TA18425	MAL8P1.300	LmjF16.1110	YOL008W						BBM_I01020	5		0	0	Valid		
BBOV_I0004900	TA12180	PFL1315w		YJL093C					K05389	BBM_I01025	4	api+	1	1	Valid		
BBOV_I0000190	TA18420		LmjF07.0340					K12823		BBM_I01030	3		1	1	NA		
BBOV_I0004870	TA13305									BBM_I01035	2	piro	0	0	Valid		
BBOV_I0004860	TA13310	PFE0375w	LmjF34.4550	YNL288W	K12606	K12606	K12606	K12606	K12606	BBM_I01040	5		5	1	K12606	K12606	CCR4-NOT transcription complex subunit 9
BBOV_I0004850	TA13315	PF10_0084	LmjF21.1860	YFL037W	K07375	K07375	K07375	K07375	K07375	BBM_I01045	5		5	1	K07375	K07375	tubulin beta
BBOV_I0004840	TA13320									BBM_I01050	2	piro	0	0	Valid		
BBOV_I0004970	TA13265	MAL8P1.33								BBM_I01055	3	api	0	0	Valid		
BBOV_I0004990	TA13240	MAL8P1.34								BBM_I01060	3	api	0	0	Valid		
BBOV_I0004830										BBM_I01065	1		0	0	NA		
BBOV_IV007280	TA03485	PF07_0023	LmjF32.2960	YBR202W	K02210	K02210	K02210	K02210	K02210	BBM_I01070	5		5	1	K02210	K02210	minichromosome maintenance protein 7 (cell division control protein)
			LmjF35.0300							BBM_I01075	1		0	0	NA		
										BBM_I01080	0		0	0	NA		
BBOV_IV007290	TA03495	PFL0925w	LmjF17.0930	YIL159W						BBM_I01085	5		0	0	Valid		

BBOV_IV007310	TA03505	PFB0130w	LmjF15.1020	YBR003W					K05355	BBM_I01090	5		1	1	K05355	K05355	hexaprenyl-diphosphate synthase [EC:2.5.1.82 2.5.1.83]
BBOV_IV007530	TA03610	PFIO345w								BBM_I01095	3	api	0	0	Valid	Valid	TBC domain containing protein
	TA11590									BBM_I01100	1		0	0	NA		
	TA03605	PFIO280c	LmjF33.0295	YNR007C		K08343			K08343	BBM_I01105	4		2	1	NA		
										BBM_I01107					Valid	Valid	tRNA, Ser, anticodon GGA
										BBM_I01108					Valid	Valid	tRNA, Ser, anticodon CGA
BBOV_IV007560	TA03600	PFD0555c								BBM_I01110	3	api	0	0	Valid		
BBOV_IV007670										BBM_I01115	1		0	0	NA		
BBOV_IV007660	TA03565	PFD0565c				K01509				BBM_I01120	3	api	1	1	Valid		
BBOV_IV007680	TA03570	PF10_0361								BBM_I01125	3	api	0	0	Valid		
			LmjF25.2060							BBM_I01130	1		0	0	NA		
BBOV_IV007690	TA03575	PF13_0261	LmjF25.1390	YLR243W	K06883	K06883		K06883	K06883	BBM_I01135	5		4	1	K06883	K06883	
BBOV_IV000470	TA19900	PF08_0098	LmjF36.4530	YGL119W	K08869	K08869	K08869		K08869	BBM_I01140	5		4	1	K08869	K08869	aarF domain-containing kinase
BBOV_IV000480	TA19905	MAL8P1.110								BBM_I01145	3	api	0	0	Valid		
BBOV_IV000490	TA19910	PF08_0099	LmjF09.0750	YGR037C		K08762				BBM_I01150	5		1	1	K08762	K08762	diazepam-binding inhibitor (GABA receptor modulator,
BBOV_IV000500	TA19920	PFF0670w								BBM_I01155	3	api	0	0	Valid		
BBOV_IV007040	TA03340	MAL7P1.88	LmjF09.0870							BBM_I01160	4	api+	0	0	Valid		
BBOV_IV007050	TA03335	PFE0090w	LmjF36.2500	YML102W			K10751	K10751	K10751	BBM_I01165	5		3	1	K10751	K10751	chromatin assembly factor 1 subunit B
BBOV_IV007060	TA03330	PFD0590c	LmjF16.1540	YNL102W	K02320	K02320	K02320	K02320	K02320	BBM_I01170	5		5	1	K02320	K02320	DNA polymerase alpha subunit A [EC:2.7.7.7]
										BBM_I01175	0		0	0	NA		
BBOV_IV007070	TA03320	PF07_0066		YKL214C						BBM_I01180	4	api+	0	0	Valid		
BBOV_IV007080	TA20525	PFD0600c		YNR036C						BBM_I01185	4	api+	0	0	Valid		
BBOV_IV007090	TA20520	PFE1340w		YAR002C-A						BBM_I01195	4	api+	0	0	Valid		
BBOV_IV007100	TA20515		LmjF33.2700	YEL032W	K02541	K02541		K02541	K02541	BBM_I01200	4		4	1	K02541	K02541	minichromosome maintenance protein 3
BBOV_IV007110	TA20510	PFE1350c	P1105.09	YDR092W	K10580	K10580	K10580		K10580	BBM_I01205	5		4	1	K10580	K10580	ubiquitin-conjugating enzyme E2 N [EC:6.3.2.19]
BBOV_IV007120	TA20505	PF10_0130	LmjF26.1040							BBM_I01210	4	api+	0	0	Valid		
		PF10_0226								BBM_I01213	1		0	0	NA		
										BBM_I01215	0		0	0	NA		
BBOV_III004820	TA13325	PF14_0316	LmjF28.2280	YNL088W	K03164	K03164	K03164	K03164	K03164	BBM_I01220	5		5	1	K03164	K03164	DNA topoisomerase II [EC:5.99.1.3]
BBOV_III000150	TA18430	PF10_0253b								BBM_I01225	3	api	0	0	Valid		
BBOV_III000140		PF10_0253								BBM_I01230	2		0	0	NA		
	TA13390	PF11_0355								BBM_I01235	2		0	0	NA		
	TA18435	PFE0880c				K10365				BBM_I01240	2		1	1	NA		
BBOV_III000130	TA18445	PFE0275w								BBM_I01245	3	api	0	0	Valid		
BBOV_III000120		PF10_0252	LmjF23.0700	YLL009C	K02260		K02260		K02260	BBM_I01250	4		3	1	K02260	K02260	cytochrome c oxidase subunit XVII assembly protein
										BBM_I01255	0		0	0	NA		
BBOV_I000160										BBM_I01260	1		0	0	NA		
										BBM_I01265	0		0	0	NA		
										BBM_I01270	0		0	0	NA		
BBOV_I000080	TA17425	MAL13P1.231	LmjF11.1050	YLR378C	K10956	K10956	K10956	K10956	K10956	BBM_I01275	5		5	1	K10956	K10956	protein transport protein SEC61 subunit alpha
			LmjF35.3370	YBR165W						BBM_I01280	2		0	0	NA		
BBOV_III008330	TA10265	MAL8P1.100								BBM_I01285	3	api	0	0	Valid		
BBOV_III008320	TA10270	PFL2180w	LmjF29.0030	YGR220C	K02906	K02906				BBM_I01290	5		2	1	K02906	K02906	large subunit ribosomal protein L3
BBOV_III008310	TA10275	MAL8P1.99	LmjF22.0820		K03978	K03978				BBM_I01295	4	api+	2	1	Valid		
BBOV_III008300	TA10280	PF08_0113	LmjF23.1510	YOR270C	K02154	K02154	K02154	K02154	K02154	BBM_I01300	5		5	1	K02154	K02154	V-type H ⁺ -transporting ATPase subunit I [EC:3.6.3.14]
BBOV_III008290	TA10285	PF08_0112								BBM_I01305	3	api	0	0	Valid		
BBOV_III008280	TA10290	MAL8P1.131	LmjF06.0720	YNL107W	K11341	K11341	K11341		K11341	BBM_I01310	5		4	1	K11341	K11341	YEATS domain-containing protein 4
										BBM_I01320	0		0	0	NA		
BBOV_III008260										BBM_I01325	1		0	0	NA		
										BBM_I01335	0		0	0	NA		
BBOV_III008250										BBM_I01340	1		0	0	NA		
										BBM_I01345	0		0	0	NA		
BBOV_III008170	TA10355	PF10_0099	LmjF09.1240	YLR430W						BBM_I01355	5		0	0	Valid		
BBOV_III008180	TA10350									BBM_I01360	2	piro	0	0	Valid		

BBOV_III008190	TA10345									BBM_I01365	2	piro	0	0	Valid		
BBOV_IV001590	TA05215	MAL13P1.360								BBM_I01370	3	api	0	0	Valid		
			LmjF32.1560							BBM_I01375	1		0	0	NA		
BBOV_IV001580		PF11_0324								BBM_I01380	2		0	0	NA		
BBOV_IV001570	TA05210	PF13_0126								BBM_I01385	3	api	0	0	Valid		
				YOR374W					K00128	BBM_I01390	1		1	1	NA		
	TA05270									BBM_I01395	1		0	0	NA		
BBOV_IV001550	TA05190	MAL13P1.25		YDR257C					K05302	BBM_I01400	4	api+	1	1	Valid		
										BBM_I01405	0		0	0	NA		
BBOV_IV001530	TA05180									BBM_I01410	2	piro	0	0	Valid		
BBOV_IV001520	TA05175	MAL13P1.22	LmjF30.3440	YDL164C	K10747	K10747	K10747	K10747	K10747	BBM_I01415	5		5	1	K10747	K10747	DNA ligase 1 [EC:6.5.1.1]
BBOV_I005020	TA05170	MAL13P1.23		YOR334W						BBM_I01425	4	api+	0	0	Valid		
BBOV_I005090	TA05165	PF10715w	LmjF20.0880	YKL160W						BBM_I01430	5		0	0	Valid		
BBOV_I005080	TA05130	MAL13P1.20								BBM_I01435	3	api	0	0	Valid		
BBOV_II004180	TA05125	PF10720w								BBM_I01440	3	api	0	0	Valid		
BBOV_I005060	TA05120	PF10740c	LmjF02.0390	YDL064W		K10577	K10577	K10577	K10577	BBM_I01445	5		4	1	K10577	K10577	ubiquitin-conjugating enzyme E2 I [EC:6.3.2.19]
BBOV_I004980	TA05115	PF10735c	LmjF36.5380	YDL085W	K03885	K03885	K03885	K03885	K03885	BBM_I01450	5		5	1	K03885	K03885	NADH dehydrogenase [EC:1.6.99.3]
	TA05110			YKL020C					K06867	BBM_I01455	2		1	1	NA		
										BBM_I01460	0		0	0	NA		
BBOV_I005000	TA05105	PFE0385w		YNL094W						BBM_I01465	4	api+	0	0	Valid		
BBOV_I004950	TA05100	PFE0410w	LmjF06.1280	YOR307C					K00230	BBM_I01470	5		1	1	K00230	K00230	protoporphyrinogen oxidase [EC:1.3.3.4]
BBOV_I004940	TA05090	PFE0420c	LmjF26.0740							BBM_I01480	4	api+	0	0	Valid		
BBOV_I004920	TA05085	PFE0430w	LmjF08.0080			K12811	K12811	K12811		BBM_I01485	4	api+	3	1	K12811	K12811	ATP-dependent RNA helicase DDX46/PRP5 [EC:3.6.4.13]
		PFE0425w								BBM_I01490	1		0	0	NA		
BBOV_IV001600	TA05220	PF14_0511	LmjF34.0080	YNL241C	K01057	K01057	K01057	K00036	K00036	BBM_I01495	5		5	2	K01057	K01057	6-phosphogluconolactonase [EC:3.1.1.31]
BBOV_IV001620	TA05225	PF14_0365	LmjF15.0020	YDL203C					K07126	BBM_I01500	5		1	1	K07126	K07126	
BBOV_IV001630	TA05230	PF14_0364	LmjF34.3430	YLR277C	K14403	K14403	K14403	K14403	K14403	BBM_I01505	5		5	1	K14403	K14403	cleavage and polyadenylation specificity factor subunit 3
		PF10_0404		YLR300W			K13851		K01210	BBM_I01510	2		2	2	NA		
				YBR072W					K13993	BBM_I01515	1		1	1	NA		
BBOV_IV001660		PF14_0691		YGR083C					K03680	BBM_I01520	3		1	1	NA		
BBOV_IV001800	TA17590	PF14_0690	LmjF08.1090	YPL116W					K11484	BBM_I01525	5		1	1	K11484	K11484	histone deacetylase HOS3 [EC:3.5.1.98]
BBOV_IV001790										BBM_I01530	1		0	0	NA		
			LmjF16.1430	YGL151W						BBM_I01535	2		0	0	NA		
BBOV_IV001770	TA04885									BBM_I01540	2	piro	0	0	Valid		
	TA04880			YMR243C					K14688	BBM_I01545	2		1	1	NA		
BBOV_IV001730	TA04875	MAL7P1.147	LmjF35.1740	YMR304W	K11838	K11838	K11838	K11838	K11838	BBM_I01550	5		5	1	K11838	K11838	ubiquitin carboxyl-terminal hydrolase 7 [EC:3.1.2.15]
BBOV_III009710	TA11090	PF13_0308	LmjF24.0610							BBM_I01555	4	api+	0	0	Valid		
BBOV_IV007750										BBM_I01560	1		0	0	NA		
BBOV_III009720	TA11085	MAL8P1.18								BBM_I01570	3	api	0	0	Valid		
BBOV_III009730	TA11080	PF14_0446								BBM_I01575	3	api	0	0	Valid		
BBOV_III009740	TA11075	PF11_0250	LmjF15.1470	YEL026W	K12845	K12845	K12845	K12845	K12845	BBM_I01580	5		5	1	K12845	K12845	SNU13, NHP2L, U4/U6 small nuclear ribonucleoprotein SNU13
BBOV_III009760	TA11065	PFD0780w	LmjF16.1360	YMR293C	K02433	K02433	K01957		K02433	BBM_I01585	5		4	2	NA		
BBOV_IV002420	TA04395	PF11_0251	LmjF16.1530	YML130C			K00540	K00540		BBM_I01590	5		2	1	K00540	K00540	
BBOV_IV002430	TA04385	PF11_0252	LmjF23.1570	YCR032W						BBM_I01605	5		0	0	Valid		
BBOV_IV002500	TA04350		LmjF36.4810	YLR067C						BBM_I01620	4		0	0	NA		
BBOV_IV002490		PF08_0007	LmjF16.0770							BBM_I01625	3		0	0	NA		
BBOV_IV002480			LmjF23.0090	YGL202W					K00838	BBM_I01630	3		1	1	NA		
BBOV_IV002460	TA04370	MAL8P1.13	LmjF10.1310							BBM_I01635	4	api+	0	0	Valid		
BBOV_IV002450	TA04375	PF08_0006	LmjF16.1610	YGR132C						BBM_I01640	5		0	0	Valid		
BBOV_IV002440	TA04380	MAL8P1.14	LmjF35.4580	YER154W	K03217	K03217	K03217		K03217	BBM_I01645	5		4	1	K03217	K03217	preprotein translocase subunit YidC
BBOV_IV002380	TA04415	PF08_0010								BBM_I01650	3	api	0	0	Valid		
BBOV_IV002370	TA04430	PF08_0011		YLR382C	K01869	K01869	K01869		K01869	BBM_I01655	4	api+	4	1	K01869	K01869	leucyl-tRNA synthetase [EC:6.1.1.4]
BBOV_IV002360	TA04435									BBM_I01660	2	piro	0	0	Valid		
BBOV_IV002350	TA04440	MAL8P1.9		YJL124C	K12627	K12627	K12627		K12620	BBM_I01665	4	api+	4	2	K12627	K12627	U6 snRNA-associated Sm-like protein LSM8

BBOV_IV002330	TA04450	MAL8P1.17	LmjF36.6940	YCL043C	K09580	K01829	K01829	K01829	K09580	BBM_I01670	5		5	2	K09580	K09580	protein disulfide-isomerase A1 [EC:5.3.4.1]
BBOV_IV002320		PF08_0012								BBM_I01675	2		0	0	NA		
BBOV_IV002310	TA04455	MAL8P1.22	LmjF13.0020	YBR002C	K11778	K11778			K11778	BBM_I01680	5		3	1	K11778	K11778	cis-prenyltransferase, dehydrololichyl diphosphate synthase
	TA04475	PF08_0021					K14964			BBM_I01685	2		1	1	NA		
BBOV_IV002300	TA04485	PF10530c	LmjF03.0090	YKL045W	K02685	K02685	K02685	K02685	K02685	BBM_I01690	5		5	1	K02685	K02685	DNA primase large subunit [EC:2.7.7.-]
BBOV_IV011170	TA03015	PFL1520w	LmjF23.0650	YPR082C	K12859	K12859	K12859	K12859	K12859	BBM_I01695	5		5	1	K12859	K12859	U5 snRNP protein, DIM1 family
BBOV_IV002290	TA04495	PF10525w	LmjF21.0660	YGL091C						BBM_I01700	5		0	0	Valid		
										BBM_I01702	0		0	0	NA		
BBOV_IV002240	TA04505	PF14_0585	LmjF26.1640	YLR264W	K02979	K02979	K02979	K02979	K02979	BBM_I01705	5		5	1	K02979	K02979	small subunit ribosomal protein S28e
BBOV_IV002230	TA04510	PF14_0584	LmjF32.0690	YHR148W	K14560	K14560	K14560	K14560	K14560	BBM_I01710	5		5	1	K14560	K14560	IMP3, U3 small nucleolar ribonucleoprotein protein IMP3
BBOV_IV002220	TA04515	PFL1985c	LmjF20.0510							BBM_I01715	4	api+	0	0	Valid		
	TA04520	PFL2000w	LmjF32.0110	YNL003C						BBM_I01720	4		0	0	NA		
BBOV_IV002210	TA04525	PFL2005w	LmjF27.0550	YOL094C	K10755	K10755	K10755	K10755	K10755	BBM_I01725	5		5	1	K10755	K10755	replication factor C subunit 2/4
BBOV_IV002200	TA04530			YLR276C					K14810	BBM_I01730	3		1	1	NA		
BBOV_IV002150	TA04535	PFL2015w	LmjF34.2430							BBM_I01735	4	api+	0	0	Valid		
										BBM_I01737	0		0	0	NA		
BBOV_IV002140	TA04540	PF14_0587	LmjF30.0570	YMR240C	K12829	K12829	K12829	K12829	K12829	BBM_I01740	5		5	1	K12829	K12829	splicing factor 3B subunit 2
BBOV_IV002130	TA04550									BBM_I01750	2	piro	0	0	Valid		
										BBM_I01755	0		0	0	NA		
	TA04560	PF14_0592								BBM_I01757	2		0	0	NA		
BBOV_IV002100	TA04570	PF13_0329								BBM_I01760	3	api	0	0	Valid		
BBOV_IV002090	TA04575	PF13_0330	LmjF34.2610	YPL235W	K11338	K11338	K11338	K11338	K11338	BBM_I01765	5		5	1	K11338	K11338	RuvB-like protein 2 [EC:3.6.1.-]
BBOV_IV002080	TA04580	PF13_0331								BBM_I01770	3	api	0	0	Valid		
BBOV_IV002070	TA04590	PF13_0328	LmjF15.1450	YBR088C	K04802	K04802	K04802	K04802	K04802	BBM_I01775	5		5	1	K04802	K04802	proliferating cell nuclear antigen
BBOV_IV002060	TA04595	MAL8P1.142	LmjF34.4520	YFR050C	K02736	K02736	K02736	K02736	K02736	BBM_I01780	5		5	1	K02736	K02736	20S proteasome subunit beta 7 [EC:3.4.25.1]
BBOV_IV002050	TA04600	PFL0185c	LmjF31.1750	YKR048C	K11279	K11279	K11279	K11279	K11279	BBM_I01785	5		5	1	K11279	K11279	nucleosome assembly protein 1-like 1
BBOV_IV002040	TA04605	PFL0190w	LmjF35.1300	YBR082C	K06689	K06689	K06689	K06689	K06689	BBM_I01790	5		5	1	K06689	K06689	ubiquitin-conjugating enzyme E2 D/E [EC:6.3.2.19]
			LmjF26.0020				K05606			BBM_I01795	1		1	1	NA		
BBOV_IV002030	TA04615	PFL0295c	LmjF18.0110	YFL034W						BBM_I01800	5		0	0	Valid		
BBOV_IV002020	TA04620	PFL0290w	LmjF36.6530	YNL039W						BBM_I01805	5		0	0	Valid		
BBOV_IV002010	TA04625	PFL0280c		YOR323C					K00147	BBM_I01810	4	api+	1	1	Valid		
BBOV_IV002000	TA04630	PF08_0124	LmjF28.2330							BBM_I01815	4	api+	0	0	Valid		
										BBM_I01820	0		0	0	NA		
										BBM_I01825	0		0	0	NA		
BBOV_IV001990	TA04650	PFL0230w	LmjF32.2080	YLR316C						BBM_I01830	5		0	0	Valid		
BBOV_IV001980		PFL0235w								BBM_I01835	2		0	0	NA		
BBOV_III002330	TA04655	PFL0250w		YLL052C					K09885	BBM_I01840	4	api+	1	1	Valid		
BBOV_IV001970	TA04660	PFL0260c								BBM_I01845	3	api	0	0	Valid		
BBOV_IV001960	TA04665	PFL0275w	LmjF17.0290	YOL054W						BBM_I01850	5		0	0	Valid		
BBOV_IV001950	TA09495	MAL8P1.140			K01265	K01265	K01265			BBM_I01855	3	api	3	1	K01265	K01265	methionyl aminopeptidase [EC:3.4.11.18]
BBOV_IV001940	TA04720	MAL8P1.139	LmjF07.0380	YJR033C						BBM_I01860	5		0	0	Valid		
BBOV_IV001930	TA04725	PFL0130c	LmjF09.0940	YPL009C						BBM_I01865	5		0	0	Valid		
BBOV_IV001920										BBM_I01870	1		0	0	NA		
BBOV_IV007390	TA15765									BBM_I01875	2	piro	0	0	Valid		
BBOV_IV001900	TA04740	PFL0150w	LmjF28.0030	YML065W	K02603			K02603	K02603	BBM_I01880	5		3	1	K02603	K02603	origin recognition complex subunit 1
										BBM_I01885	0		0	0	NA		
BBOV_IV001880	TA04750	PFL0175c	LmjF28.2070	YGL169W					K07566	BBM_I01890	5		1	1	K07566	K07566	SUA5, putative translation factor
BBOV_IV001870				YPL231W					K00667	BBM_I01895	2		1	1	NA		
BBOV_IV001860	TA04760	PF14_0665								BBM_I01900	3	api	0	0	Valid		
BBOV_IV001850		PF14_0666								BBM_I01905	2		0	0	NA		
BBOV_IV001840	TA04765	PF08_0096	LmjF32.0400	YPL119C	K11594	K11594	K11594	K11594	K11594	BBM_I01910	5		5	1	K11594	K11594	ATP-dependent RNA helicase [EC:3.6.4.13]
BBOV_IV001830	TA04770	PFL0950c	LmjF13.1530	YAL026C	K14802	K01530	K01530	K14802	K14802	BBM_I01915	5		5	2	K14802	K14802	DRS2, ATP8A, phospholipid-transporting ATPase [EC:3.6.3.1]
BBOV_IV001820	TA04775	PFL0930w	LmjF36.1630	YGL206C	K04646	K04646	K04646	K04646	K04646	BBM_I01920	5		5	1	K04646	K04646	clathrin, heavy polypeptide
BBOV_IV001810	TA04780	MAL13P1.76	LmjF24.1680	YLR005W	K03142	K03142	K03142	K03142	K03142	BBM_I01925	5		5	1	K03142	K03142	transcription initiation factor TFIIF subunit H2

BBOV_IV001750	TA04810	PF07_0041	LmjF19.0700							BBM_I01930	4	api+	0	0	Valid		
										BBM_I01935	0		0	0	NA		
										BBM_I01940	0		0	0	NA		
	TA04830	MAL7P1.31								BBM_I01945	2		0	0	NA		
BBOV_IV001670	TA04835	MAL7P1.33								BBM_I01950	3	api	0	0	Valid		
BBOV_IV001680	TA04840	PF07_0043	LmjF36.3740	YER056C-A	K02915	K02915	K02915	K02915	K02915	BBM_I01955	5		5	1	K02915	K02915	large subunit ribosomal protein L34e
BBOV_IV001690	TA04845	PFA_0145c	LmjF30.0460	YLL018C	K01876	K01876	K01876	K01876	K01876	BBM_I01960	5		5	1	K01876	K01876	aspartyl-tRNA synthetase [EC:6.1.1.12]
BBOV_IV001700	TA04855				K13525					BBM_I01965	2	piro	1	1	Valid		
BBOV_IV001710	TA04865	MAL7P1.145	LmjF35.1660	YNL082W						BBM_I01970	5		0	0	Valid		
		PF10_0322								BBM_I01975	1		0	0	NA		
BBOV_III009700	TA11095									BBM_I01980	2	piro	0	0	Valid		
										BBM_I01985	0		0	0	NA		
BBOV_III009680	TA11105	PF08_0132	LmjF15.1010	YDL215C	K00260	K00260	K00260	K00260	K00260	BBM_I01990	5		5	1	K00260	K00260	glutamate dehydrogenase [EC:1.4.1.2]
BBOV_III009670	TA11110	PF14_0697		YLR420W	K01465	K01465	K01465		K01465	BBM_I01995	4	api+	4	1	K01465	K01465	dihydroorotase [EC:3.5.2.3]
										BBM_I02000	0		0	0	NA		
	TA11130	MAL8P1.157								BBM_I02005	2		0	0	NA		
BBOV_III009640	TA11125	MAL8P1.156	LmjF32.1580	YER003C	K01809	K01809		K01809	K01809	BBM_I02010	5		4	1	K01809	K01809	mannose-6-phosphate isomerase [EC:5.3.1.8]
BBOV_III009650	TA11120					K00870				BBM_I02015	2	piro	1	1	Valid		
BBOV_III010940	TA13185		LmjF06.0120					K03768		BBM_I02020	3		2	2	NA		
BBOV_III010930	TA13190	PF14_0122	LmjF10.0850	YER009W						BBM_I02025	5		0	0	Valid		
										BBM_I02030	0		0	0	NA		
				YGR229C						BBM_I02035	1		0	0	NA		
BBOV_III010920	TA13245	PF11_0168								BBM_I02040	3	api	0	0	Valid		
BBOV_III010910	TA13405	PF14_0123	LmjF27.0890	YFR019W					K00921	BBM_I02045	5		1	1	K00921	K00921	1-phosphatidylinositol-3-phosphate 5-kinase [EC:2.7.1.150]
BBOV_III010870	TA13465	PF14_0127	LmjF32.0080	YLR195C	K00671	K00671	K00671	K00671	K00671	BBM_I02050	5		5	1	K00671	K00671	glycylpeptide N-tetradecanoyltransferase [EC:2.3.1.97]
BBOV_III010880	TA13575									BBM_I02055	2	piro	0	0	Valid		
										BBM_I02060	0		0	0	NA		
BBOV_III010890	TA13570	PF14_0125	LmjF20.0250	YHR068W	K00809	K00809	K00809	K00809	K00809	BBM_I02065	5		5	1	K00809	K00809	deoxyhypusine synthase [EC:2.5.1.46]
BBOV_III010860	TA13630	PFC0715c								BBM_I02070	3	api	0	0	Valid		
BBOV_III010840	TA13735	PFC0710w.1	LmjF11.0210	YMR267W	K01507	K01507		K01507		BBM_I02075	5		3	1	K01507	K01507	inorganic pyrophosphatase [EC:3.6.1.1]
BBOV_III010830	TA13740			YNL139C					K12879	BBM_I02080	3		1	1	NA		
BBOV_III010820	TA13795	PFC0720w		YER182W						BBM_I02085	4	api+	0	0	Valid		
BBOV_III010810	TA13900	PFC0735w	LmjF11.1190	YJL190C	K02957	K02957	K02957	K02957	K02957	BBM_I02090	5		5	1	K02957	K02957	small subunit ribosomal protein S15Ae
										BBM_I02095	0		0	0	NA		
BBOV_III010800	TA13960	PFC0730w								BBM_I02100	3	api	0	0	Valid		
BBOV_III010790	TA14065	PFF0760w								BBM_I02105	3	api	0	0	Valid		
BBOV_III010780	TA14070	PF14_0574								BBM_I02110	3	api	0	0	Valid	NA	
BBOV_III010770	TA14175	PF14_0252								BBM_I02115	3	api	0	0	Valid		
BBOV_III02080	TA07940			YGR238C						BBM_I02120	3		0	0	NA		
BBOV_III02090		PF14_0246			K01595		K01595			BBM_I02125	2		2	1	NA		
	TA07945									BBM_I02130	1		0	0	NA		
			LmjF31.2010	YJL049W						BBM_I02135	2		0	0	NA		
BBOV_III02110	TA07950	PFE0800w		YML109W						BBM_I02140	4	api+	0	0	Valid		
BBOV_III010500	TA15385	PF14_0141	L2256.04	YLR075W	K02866	K02866	K02866	K02866	K02866	BBM_I02145	5		5	1	K02866	K02866	large subunit ribosomal protein L10e
BBOV_III010510	TA15275	PF14_0241	LmjF36.3770	YPL037C	K01527	K01527	K01527	K01527	K01527	BBM_I02150	5		5	1	K01527	K01527	nascent polypeptide-associated complex subunit beta
BBOV_III010520	TA15220	PF14_0240	LmjF16.0460	YBR191W	K02889	K02889	K02889	K02889	K02889	BBM_I02155	5		5	1	K02889	K02889	large subunit ribosomal protein L21e
BBOV_III010530	TA15115	PF14_0242	LmjF12.1270	YBR034C	K11434	K11434	K11434	K11434	K11434	BBM_I02160	5		5	1	K11434	K11434	protein arginine N-methyltransferase 1 [EC:2.1.1.-]
BBOV_III010570	TA15000									BBM_I02165	2	piro	0	0	Valid		
BBOV_III010580	TA14895	PF14_0231	LmjF07.0510	YLL045C	K02936	K02936	K02936	K02936	K02936	BBM_I02170	5		5	1	K02936	K02936	large subunit ribosomal protein L7Ae
BBOV_III010590	TA14890	PF14_0230	LmjF35.1890	YPL131W	K02932	K02932	K02932	K02932	K02932	BBM_I02175	5		5	1	K02932	K02932	large subunit ribosomal protein L5e
BBOV_III010600	TA14785	PFD0515w	LmjF14.0010	YHR069C	K03679	K03679	K03679	K03679	K03679	BBM_I02180	5		5	1	K03679	K03679	exosome complex component RRP4
										BBM_I02181					Valid		tRNA, Ala, anticodon TGC
BBOV_III010620	TA14730	PF14_0575a	LmjF36.3400	YFR032C-A	K02905	K02905		K02905	K02905	BBM_I02183	5		4	1	K02905	K02905	large subunit ribosomal protein L29e
BBOV_III010630		PF14_0576	LmjF25.0190	YJR099W	K05609		K05609	K05609	K05609	BBM_I02185	4		4	1	K05609	K05609	ubiquitin carboxyl-terminal hydrolase L3 [EC:3.4.19.12]

										BBM_I02186						Valid	tRNA, Ala, anticodon CGC
BBOV_III010650	TA14725	PF14_0575	LmjF36.5320							BBM_I02190	4	api+	0	0	Valid		
BBOV_III010660	TA14670	PF14_0569	LmjF36.4380							BBM_I02195	4	api+	0	0	Valid		
BBOV_III010680	TA14565	PF14_0579	LmjF32.2710	YDR471W	K02901	K02901	K02901	K02901	BBM_I02200	5		5	1	K02901	K02901	large subunit ribosomal protein L27e	
BBOV_III010690	TA14510	PF14_0580	LmjF35.4660	YLR119W					BBM_I02205	5		0	0	Valid			
BBOV_III010700	TA14505	PF13_0054							BBM_I02210	3	api	0	0	Valid			
BBOV_III010710	TA14400	PF13_0053	LmjF27.0910	YLR148W					BBM_I02215	5		0	0	Valid			
BBOV_III02140	TA07960	PF14_0248	LmjF31.2580	YJR046W	K00416	K00416	K00416	K12414	BBM_I02220	5		5	2	K00416	K00416	ubiquinol-cytochrome c reductase subunit 6 [EC:1.10.2.2]	
BBOV_III02150	TA07965	MAL13P1.45	LmjF01.0560	YDR473C	K12843	K12843	K12843	K12843	BBM_I02225	5		4	1	K12843	K12843	U4/U6 small nuclear ribonucleoprotein PRP3	
BBOV_III02160		PF13_0050	LmjF36.1110						BBM_I02230	3		0	0	NA			
BBOV_III02170	TA07975	PF13_0051	LmjF34.4290	YHR089C	K11128	K11128	K11128	K11128	BBM_I02235	5		5	1	K11128	K11128	GAR1, NOLA1, H/ACA ribonucleoprotein complex subunit 1	
BBOV_III02180	TA07980	PF13_0052			K02427	K02427	K02427		BBM_I02240	3	api	3	1	K02427	K02427	rlmE, rrmJ, ftsJ, ribosomal RNA large subunit methyltransferase E	
BBOV_III02450	TA07990		LmjF21.0160						BBM_I02245	3		0	0	NA			
									BBM_I02250	0		0	0	NA			
	TA08005								BBM_I02255	1		0	0	NA			
BBOV_III03560	TA02525	PF13_0045	LmjF36.3750	YHR021C	K02978	K02978	K02978	K02978	BBM_I02260	5		5	1	K02978	K02978	small subunit ribosomal protein S27e	
		MAL13P1.42							BBM_I02265	1		0	0	NA			
				YGL012W				K00223	BBM_I02270	1		1	1	NA			
BBOV_III03570	TA02535	PF13_0049	LmjF11.0900	YGL031C	K02896	K02896	K02896	K02896	BBM_I02275	5		5	1	K02896	K02896	large subunit ribosomal protein L24e	
BBOV_III03580	TA02540	PF13_0048	LmjF36.3660	YNL118C	K12613	K12613	K12613	K12613	BBM_I02280	5		4	1	K12613	K12613	mRNA-decapping enzyme subunit 2 [EC:3.-.-.]	
BBOV_III03590	TA02545	PF13_0044	LmjF16.0590	YJL130C		K01954	K01954	K01954	BBM_I02285	5		4	2	NA	K11541	carbamoyl-phosphate synthase [EC:6.3.5.5]/ aspartate	
BBOV_III03600	TA02550	PFC0525c	LmjF18.0270	YMR139W		K08286	K03083	K00870	BBM_I02290	5		4	4	NA			
BBOV_III03610	TA02555	PFC0520w	LmjF32.1200	YFR052W	K03031	K03031	K03031	K03031	BBM_I02293	5		5	1	K03031	K03031	26S proteasome regulatory subunit N12	
BBOV_III03620	TA09155	PFC0510w		YK034W					BBM_I02295	4	api+	0	0	Valid			
		PFB0279w							BBM_I02300	1		0	0	NA			
BBOV_III03630	TA09160	PFC0506w							BBM_I02305	3	api	0	0	Valid			
		PFE0128c	LmjF18.0820						BBM_I02310	2		0	0	NA			
BBOV_III03260	TA03910	PF14_0088	LmjF18.1560	YJR155W				K00100	BBM_I02315	5		1	1	K00100	K00100		
			LmjF21.0430						BBM_I02320	1		0	0	NA			
	TA03920	PFI0985c							BBM_I02321	2		0	0	NA			
BBOV_III03280	TA03925	PFI0990c							BBM_I02325	3	api	0	0	Valid			
									BBM_I02330	0		0	0	NA			
									BBM_I02335	0		0	0	NA			
BBOV_IV000110			LmjF21.1370						BBM_I02340	2		0	0	NA			
									BBM_I02345	0		0	0	NA			
	TA03950	PFE1225w							BBM_I02350	2		0	0	NA			
BBOV_III003320	TA09520	PFE1230c							BBM_I02355	3	api	0	0	Valid			
BBOV_III003330	TA09515	PF08_0084		YLR298C	K11095	K11095	K11095	K11095	BBM_I02360	4	api+	4	1	K11095	K11095	U1 small nuclear ribonucleoprotein C	
	TA15790	PFD0405c							BBM_I02365	2		0	0	NA			
BBOV_III003340	TA03955	PF08_0082	LmjF13.0490						BBM_I02375	4	api+	0	0	Valid			
									BBM_I02380	0		0	0	NA			
BBOV_III003350	TA03960	PF08_0083							BBM_I02385	3	api	0	0	Valid			
BBOV_III003360	TA03965	MAL8P1.97							BBM_I02390	3	api	0	0	Valid			
BBOV_III003370	TA03975	MAL8P1.96		YIR019C				K01178	BBM_I02395	4	api+	1	1	Valid			
	TA03980	PF08_0085	LmjF22.0610	YGL058W		K10573	K10573	K10574	BBM_I02400	4		4	2	NA			
BBOV_III003390	TA03990	PF08_0086	LmjF16.0640		K12735	K12735	K12735		BBM_I02405	4	api+	3	1	K12735	K12735	peptidyl-prolyl cis-trans isomerase-like 4 [EC:5.2.1.8]	
BBOV_III003400	TA03995	MAL13P1.66	LmjF32.0600	YOR158W					BBM_I02415	5		0	0	Valid			
BBOV_III003430	TA04025	PF13_0164							BBM_I02420	3	api	0	0	Valid			
			LmjF36.6180						BBM_I02430	1		0	0	NA			
BBOV_III003420	TA04016	PFI0785c	LmjF22.1050						BBM_I02435	4	api+	0	0	Valid			
BBOV_III003440	TA04030	MAL13P1.163							BBM_I02440	3	api	0	0	Valid			
BBOV_III006020									BBM_I02445	1		0	0	NA			
									BBM_I02450	0		0	0	NA			
	TA04040	PFA_0315w	LmjF27.1120	YLR435W		K14800	K14800	K14800	BBM_I02455	4		3	1	K14800	K14800	TSR2, pre-rRNA-processing protein TSR2	

BBOV_III003460	TA02490	PFA_0330w	LmjF28.1880	YPL217C	K14569	K14569	K14569	K14569	K14569	BBM_I02460	5		5	1	K14569	K14569	BMS1, ribosome biogenesis protein BMS1
										BBM_I02465	0		0	0	NA		
BBOV_III003470	TA02495	PF0970c	LmjF33.1100	YAL034C						BBM_I02470	5		0	0	Valid		
BBOV_III003480	TA02500	PFA_0345w	LmjF07.0710							BBM_I02475	4	api+	0	0	Valid		
BBOV_III003490	TA02505	PFA_0340w	LmjF20.1620		K00991	K00991				BBM_I02480	4	api+	2	1	Valid		
BBOV_III003510	TA02510	PF0495w				K01382	K01386			BBM_I02485	3	api	2	2	NA		
BBOV_III003520	TA02515	PF0500w		YDL020C					K03034	BBM_I02490	4	api+	1	1	Valid		
BBOV_III003240	TA03900	PF11_0365								BBM_I02495	3	api	0	0	Valid		
BBOV_III002900	TA03895	PF11_0377	LmjF35.1010	YPL204W	K02218	K02218	K02218	K02218	K14758	BBM_I02500	5		5	2	K02218	K02218	casein kinase 1 [EC:2.7.11.1]
BBOV_III002920		PF0685c	LmjF08.0010		K06669	K06669	K06669			BBM_I02505	3		3	1	K06669	K06669	structural maintenance of chromosome 3 (chondroitin sulfate)
										BBM_I02515	0		0	0	NA		
				YDR470C						BBM_I02520	1		0	0	NA		
BBOV_III000280	TA20105	PF0765c								BBM_I02525	3	api	0	0	Valid		
										BBM_I02530	0		0	0	NA		
BBOV_III009990	TA11620	MAL8P1.64								BBM_I02535	3	api	0	0	Valid		
BBOV_III010000	TA11615	PF0165c		YDL074C	K10696				K10696	BBM_I02540	4	api+	2	1	Valid		
BBOV_III010010	TA11610	PF08_0054	LmjF28.2780	YER103W	K03283	K03283	K03283	K03283	K03283	BBM_I02545	5		5	1	K03283	K03283	HSPA1_8, heat shock 70kDa protein 1/8
BBOV_III010020	TA11600	PF11345c	LmjF16.0240	YPL086C					K07739	BBM_I02550	5		1	1	K07739	K07739	elongator complex protein 3 [EC:2.3.1.48]
		PF10_0370								BBM_I02560	1		0	0	NA		
			LmjF22.0540							BBM_I02565	1		0	0	NA		
BBOV_III010030	TA11585	PF10_0369	LmjF32.3920	YIL143C	K10843	K10843	K10843	K10843	K10843	BBM_I02570	5		5	1	K10843	K10843	DNA excision repair protein ERCC-3 [EC:3.6.1.-]
BBOV_III010040	TA11580	PF10_0368	LmjF29.2200	YLL001W	K01528	K01528	K01528	K01528	K01528	BBM_I02575	5		5	1	K01528	K01528	dynamin GTPase [EC:3.6.5.5]
										BBM_I02580	0		0	0	NA		
										BBM_I02585	0		0	0	NA		
BBOV_III010060	TA11570	PF10_0366	LmjF19.0210	YBL030C	K05863	K05863	K05863	K05863	K05863	BBM_I02590	5		5	1	K05863	K05863	solute carrier family 25 (mitochondrial carrier; adenine nucleotide)
										BBM_I02595	0		0	0	NA		
BBOV_III010080	TA11560	PF11370w		YAR018C	K08857	K00924	K08286		K08857	BBM_I02600	4	api+	4	3	NA		
BBOV_III010090	TA11555	PF11375w								BBM_I02610	3	api	0	0	Valid		
BBOV_III010100		PF11355w		YAR027W						BBM_I02615	3		0	0	NA		
	TA11550	PF11350w			K01718	K01718				BBM_I02620	2		2	1	NA		
		PF11445w								BBM_I02625	1		0	0	NA		
										BBM_I02630	0		0	0	NA		
BBOV_III010130	TA11540	PF10_0363			K00873	K00873	K00873			BBM_I02635	3	api	3	1	K00873	K00873	pyruvate kinase [EC:2.7.1.40]
	TA11535									BBM_I02640	1		0	0	NA		
										BBM_I02645	0		0	0	NA		
BBOV_III010150	TA11525	PF11275c								BBM_I02650	3	api	0	0	Valid		
BBOV_III010160	TA11520	PF11280w								BBM_I02655	3	api	0	0	Valid		
	TA11515	PF08_0134								BBM_I02660	2		0	0	NA		
BBOV_III010180			LmjF23.0780	YOR059C						BBM_I02670	3		0	0	NA		
BBOV_III010190	TA11510	PF14_0090	LmjF01.0610	YER143W	K11885	K11885	K11885	K11885	K11885	BBM_I02675	5		5	1	K11885	K11885	DNA damage-inducible protein 1
BBOV_III010200	TA11505	PF14_0092	LmjF10.0650							BBM_I02680	4	api+	0	0	Valid		
BBOV_III010210	TA11500	PF14_0095	LmjF24.1410							BBM_I02685	4	api+	0	0	Valid		
BBOV_III010220	TA11495	PF14_0094	LmjF35.4820							BBM_I02690	4	api+	0	0	Valid		
										BBM_I02695	0		0	0	NA		
BBOV_III010230	TA11490	PF14_0367								BBM_I02700	3	api	0	0	Valid		
BBOV_III010240	TA11475	PF14_0401	LmjF16.1130	YGL105W				K01894		BBM_I02705	5		1	1	K01894	K01894	glutamyl-Q tRNA(Asp) synthetase [EC:6.1.1.-]
BBOV_III010250	TA11470	PF14_0655	LmjF01.0770	YKR059W	K03257	K03257	K03257	K03257	K03257	BBM_I02710	5		5	1	K03257	K03257	translation initiation factor eIF-4A
			LmjF32.0650	YNL160W						BBM_I02715	2		0	0	NA		
										BBM_I02720	0		0	0	NA		
BBOV_III010270	TA11460	PF14_0653	LmjF19.0130			K13989	K13989			BBM_I02725	4	api+	2	1	Valid		
BBOV_III010280	TA11450	PF14_0649								BBM_I02730	3	api	0	0	Valid		
	TA11445	PF14_0603	LmjF35.4170	YBR150C						BBM_I02735	4		0	0	NA		
BBOV_III010300	TA11440	PF0450w	LmjF21.1330	YLR086W	K06675	K06675	K06675	K06675	K06675	BBM_I02740	5		5	1	K06675	K06675	structural maintenance of chromosome 4
BBOV_III010310	TA11435	MAL13P1.81								BBM_I02745	3	api	0	0	Valid		

BBOV_III010320				YPL092W						BBM_I02750	2		0	0	NA		
										BBM_I02752						Valid	tRNA, Glu, anticodon CTC
BBOV_III010340	TA16085	PFL1160c		YOR192C						BBM_I02755	4	api+	0	0	Valid		
BBOV_III010350	TA16080	PF13_0291	LmjF28.2385	YGL201C	K02542	K02542	K02542	K02542	K02542	BBM_I02760	5		5	1	K02542	K02542	minichromosome maintenance protein 6
BBOV_III010360		PF13_0292	LmjF35.2630							BBM_I02765	3		0	0	NA		
		PF13_0293	LmjF24.1750	YPL165C			K11426		K07117	BBM_I02770	3		2	2	NA		
										BBM_I02772						Valid	tRNA, Glu, anticodon TTC
BBOV_III010380	TA16065	PF14_0461								BBM_I02775	3	api	0	0	Valid		
										BBM_I02780	0		0	0	NA		
BBOV_III010400	TA15995				K01897	K01897				BBM_I02785	2	piro	2	1	K01897	K01897	long-chain acyl-CoA synthetase [EC:6.2.1.3]
BBOV_III010410	TA15990	PF08_0049		YLR438C-A	K12622	K12622	K12622		K12622	BBM_I02790	4	api+	4	1	K12622	K12622	U6 snRNA-associated Sm-like protein LSm3
BBOV_III010420	TA15885									BBM_I02795	2	piro	0	0	Valid		
										BBM_I02800	0		0	0	NA		
BBOV_III010440	TA15775	PFA_0290w	LmjF34.3080					K12591		BBM_I02805	4	api+	1	1	Valid		
BBOV_III010450	TA15770	PFD0485w	LmjF30.2250	YBR267W	K14816	K14816	K14816	K14816	K14816	BBM_I02810	5		5	1	K14816	K14816	RE11, pre-60S factor REI1
		PF11_0128	LmjF09.1430	YDR204W						BBM_I02815	3		0	0	NA		
										BBM_I02820	0		0	0	NA		
	TA03725	PF11_0165		YNL239W		K01376			K01372	BBM_I02825	3		2	2	NA		
BBOV_III010470	TA15550	PFD0462w	L2256.05		K03686	K03686	K03686			BBM_I02830	4	api+	3	1	K03686	K03686	molecular chaperone DnaJ
BBOV_III010480	TA15495	PFD0470c	LmjF28.1820	YAR007C	K07466	K07466	K07466	K07466	K07466	BBM_I02835	5		5	1	K07466	K07466	replication factor A1
BBOV_III010490	TA15440	PFL1150c		YFL055W	K02895	K02895				BBM_I02840	4	api+	2	1	Valid		
		PFL1145w		YMR241W						BBM_I02845	2		0	0	NA		
BBOV_III02070	TA07935	PFL1140w	LmjF27.0210	YLR220W						BBM_I02850	5		0	0	Valid		
										BBM_I02855	0		0	0	NA		
BBOV_III02050	TA07925	PFB0715w	LmjF31.0160	YOR151C	K03010	K03010	K03010	K03010	K03010	BBM_I02860	5		5	1	K03010	K03010	DNA-directed RNA polymerase II subunit B [EC:2.7.7.6]
										BBM_I02865	0		0	0	NA		
BBOV_III02030	TA07915	PFC0675c	L302.10	YLR439W						BBM_I02870	5		0	0	Valid		
			LmjF33.0430							BBM_I02875	1		0	0	NA		
										BBM_I02880	0		0	0	NA		
BBOV_III001980	TA07900	PF11_0358	LmjF25.0620	YPR010C	K03002	K03002	K03002	K03002	K03002	BBM_I02885	5		5	1	K03002	K03002	DNA-directed RNA polymerase I subunit A2 [EC:2.7.7.6]
BBOV_III001990	TA07885	PF11_0359	LmjF16.1180	YFR051C						BBM_I02890	5		0	0	Valid		
		PF11820w		YER188C-A			K13850			BBM_I02895	2		1	1	NA		
BBOV_III002000	TA07875	PFF0465c	LmjF34.2110			K01005	K01005			BBM_I02900	4	api+	2	1	Valid		
				YOL152W					K00521	BBM_I02905	1		1	1	NA		
BBOV_III001940	TA07865	PFF0485c		YNL326C						BBM_I02910	4	api+	0	0	Valid		
BBOV_III001930	TA07860	PFF0500c	LmjF08.1180	YDR088C	K12819	K12819	K12819	K12819	K12819	BBM_I02915	5		5	1	K12819	K12819	pre-mRNA-processing factor SLU7
BBOV_III001920	TA07855	PFF0495w	LmjF10.0320	YCR046C						BBM_I02920	5		0	0	Valid		
BBOV_III001910	TA07850	PFF0490w		YGR047C						BBM_I02925	4	api+	0	0	Valid		
BBOV_III001900	TA07845	PFF0860c		YDR225W	K11251	K11251	K11251		K11251	BBM_I02927	4	api+	4	1	K11251	K11251	histone H2A
BBOV_III001890	TA07840	PFF0510w	LmjF16.0610	YNL031C	K11253	K11253	K11253	K11253	K11253	BBM_I02928	5		5	1	K11253	K11253	histone H3
BBOV_III001880	TA07830	PFF0505c	LmjF31.1030							BBM_I02930	4	api+	0	0	Valid		
BBOV_III001870	TA08200	PF11_0279								BBM_I02935	3	api	0	0	Valid		
										BBM_I02940	0		0	0	NA		
BBOV_III001860	TA08205	PF08_0039	LmjF36.4420	YLR061W	K02891	K02891	K02891	K02891	K02891	BBM_I02945	5		5	1	K02891	K02891	large subunit ribosomal protein L22e
BBOV_III001850	TA08210	PF11_0303	LmjF32.2820	YPR108W	K03037	K03037	K03037	K03037	K03037	BBM_I02950	5		5	1	K03037	K03037	26S proteasome regulatory subunit N7
BBOV_III001840	TA08215	PFD0880w		YJR160C					K08141	BBM_I02955	4	api+	1	1	Valid		
										BBM_I02960	0		0	0	NA		
BBOV_V000410	TA08225	PF11_0297	LmjF12.0350				K12605			BBM_I02965	4	api+	1	1	Valid		
										BBM_I02967						Valid	tRNA, Met, anticodon CAT
BBOV_III001810	TA08230	PFL0880c		YOR219C					K08787	BBM_I02970	4	api+	1	1	Valid		
			LmjF36.2370							BBM_I02975	1		0	0	NA		
BBOV_III001780	TA08240	PFL0830w	LmjF10.0700	YPR112C	K14787	K14787	K14787	K14787	K14787	BBM_I02980	5		5	1	K14787	K14787	MRD1, RBM19, multiple RNA-binding domain-containing protein 1
	TA08245									BBM_I02985	1		0	0	NA		
		PFL0820c								BBM_I02990	1		0	0	NA		

BBOV_I001770	TA08255	PFL0815w			K09522	K09522	K09522			BBM_I02995	3	api	3	1	K09522	K09522	DnaJ homolog subfamily C member 2
		PF11_0453		YKL151C						BBM_I03000	2		0	0	NA		
BBOV_I001750	TA08265	PF11_0062			K11252	K11252	K11252			BBM_I03005	3	api	3	1	K11252	K11252	histone H2B
BBOV_I001740	TA17100									BBM_I03010	2	piro	0	0	Valid		
BBOV_I001730	TA08295	MAL13P1.96	LmjF05.0400	YFR031C	K06674	K06674	K06674	K06674	K06674	BBM_I03015	5		5	1	K06674	K06674	structural maintenance of chromosome 2
	TA13580									BBM_I03020	1		0	0	NA		
BBOV_I005590		MAL8P1.135	LmjF22.0220							BBM_I03025	3		0	0	NA		
BBOV_I005690	TA13645	MAL8P1.134	LmjF31.0680							BBM_I03030	4	api+	0	0	Valid		
BBOV_I005630	TA13600	PF08_0115								BBM_I03035	3	api	0	0	Valid		
BBOV_I005650	TA13605	PF14_0502		YDL087C						BBM_I03040	4	api+	0	0	Valid		
BBOV_I005660	TA13610	PF0100w	LmjF36.3000	YJL050W	K12598	K12598	K12598	K12598	K12598	BBM_I03045	5		5	1	K12598	K12598	MTR4, SKIV2L2, ATP-dependent RNA helicase DOB1 [EC:3.6.4.13]
BBOV_I005670	TA13625			YBR001C					K01194	BBM_I03050	3		1	1	NA		
										BBM_I03055	0		0	0	NA		
										BBM_I03060	0		0	0	NA		
BBOV_I005680	TA13640	PFE0610c	LmjF36.6220	YDR460W			K10842		K10842	BBM_I03065	5		2	1	K10842	K10842	CDK-activating kinase assembly factor MAT1
	TA13595									BBM_I03070	1		0	0	NA		
BBOV_I005600	TA13585	PFB0875c	LmjF15.1030	YAL032C	K06063	K06063	K06063		K06063	BBM_I03075	5		4	1	K06063	K06063	SNW domain-containing protein 1
BBOV_I005490	TA13520	PF14_0183b		YJL033W					K14776	BBM_I03080	4	api+	1	1	Valid		
BBOV_I005480	TA13515	PFL1085w	LmjF32.2410							BBM_I03085	4	api+	0	0	Valid		
										BBM_I03090	0		0	0	NA		
BBOV_IV010900				YOR137C						BBM_I03095	2		0	0	NA		
BBOV_I005470	TA13510	PFL1090w								BBM_I03100	3	api	0	0	Valid		
										BBM_I03105	0		0	0	NA		
BBOV_I005440				YGR070W						BBM_I03110	2		0	0	NA		
BBOV_I005430	TA13500	PFL1110c	LmjF13.0160	YIL033C	K04739	K04739	K04739		K04739	BBM_I03115	5		4	1	K04739	K04739	cAMP-dependent protein kinase regulator
BBOV_I005420	TA13495		LmjF11.1200	YKR051W						BBM_I03120	4		0	0	NA		
BBOV_I005410	TA13490	MAL13P1.100								BBM_I03125	3	api	0	0	Valid		
BBOV_I005400	TA13485	MAL13P1.102								BBM_I03130	3	api	0	0	Valid		
BBOV_I005390	TA13480	PF13_0102		YOR254C	K09540	K09540	K09540		K09540	BBM_I03135	4	api+	4	1	K09540	K09540	translocation protein SEC63
BBOV_I005380	TA13475	PF13_0106	LmjF25.1460	YGL082W						BBM_I03140	5		0	0	Valid		
BBOV_I005370	TA15435									BBM_I03145	2	piro	0	0	Valid		
BBOV_I005350	TA15430	PF10370c			K06697	K06697	K06697			BBM_I03150	3	api	3	1	K06697	K06697	proteasome activator subunit 2 (PA28 beta)
BBOV_I005340	TA15425	PF14_0100	LmjF20.0560	YJR103W	K01937	K01937	K01937	K01937	K01937	BBM_I03155	5		5	1	K01937	K01937	CTP synthase [EC:6.3.4.2]
BBOV_I005330	TA15420	PF14_0366	LmjF22.0390	YIR008C	K02684	K02684	K02684	K02684	K02684	BBM_I03160	5		5	1	K02684	K02684	DNA primase small subunit [EC:2.7.7.-]
										BBM_I03162					Valid		trRNA, Met, anticodon CAT
BBOV_I005310		PFE0435c	LmjF36.0700		K03111		K03111			BBM_I03165	3		2	1	NA		
BBOV_I005300		MAL13P1.85	LmjF36.6640							BBM_I03170	3		0	0	NA		
BBOV_I005290	TA15410	PF13_0090					K03864			BBM_I03180	3	api	1	1	Valid		
		MAL13P1.83	LmjF02.0110	YOL076W			K14288	K14288		BBM_I03185	3		2	1	NA		
BBOV_I005270	TA15395	PF13_0088								BBM_I03190	3	api	0	0	Valid		
BBOV_I005260	TA15390	PF13_0087	LmjF28.2400	YJL125C	K07442		K07442		K07442	BBM_I03195	5		3	1	K07442	K07442	tRNA (adenine-N1-)-methyltransferase catalytic subunit [EC:2.1.1.36]
BBOV_I005250	TA15380	MAL13P1.82	LmjF26.2480	YPR113W	K00999	K00999	K00999	K00999	K00999	BBM_I03200	5		5	1	K00999	K00999	CDP-diacylglycerol--inositol 3-phosphatidyltransferase [EC:2.7.8.11]
BBOV_I005240	TA15375	PFE0445c	LmjF32.2890	YBL050W						BBM_I03205	5		0	0	Valid		
BBOV_I005230	TA15370	PF13_0091	LmjF30.1090	YKL012W	K12821		K12821		K12821	BBM_I03210	5		3	1	K12821	K12821	pre-mRNA-processing factor 40
BBOV_I005220	TA15365	MAL13P1.86		YGR202C	K00968	K00968	K00968		K00968	BBM_I03215	4	api+	4	1	K00968	K00968	choline-phosphate cytidylyltransferase [EC:2.7.7.15]
BBOV_I005210	TA15360	MAL13P1.87								BBM_I03220	3	api	0	0	Valid		
										BBM_I03225	0		0	0	NA		
										BBM_I03230	0		0	0	NA		
BBOV_I005190	TA15345	MAL13P1.88		YGR108W					K02220	BBM_I03235	4	api+	1	1	Valid		
										BBM_I03240	0		0	0	NA		
BBOV_I005180	TA15335	PF13_0096		YFR005C	K12847	K12847	K12847		K12847	BBM_I03245	4	api+	4	1	K12847	K12847	U4/U6.U5 tri-snRNP-associated protein 2
BBOV_I005170	TA15330									BBM_I03250	2	piro	0	0	Valid		
BBOV_I005160	TA17345	PF13_0095	LmjF09.0250	YPR019W	K02212	K02212	K02212	K02212	K02212	BBM_I03255	5		5	1	K02212	K02212	minichromosome maintenance protein 4 (cell division control protein
										BBM_I03257	0		0	0	NA		

BBOV_I005150	TA17340	MAL13P1.89								BBM_I03260	3	api	0	0	Valid		
BBOV_I005140	TA17335	MAL13P1.90								BBM_I03265	3	api	0	0	Valid		
BBOV_I005130	TA17330	MAL13P1.93	LmjF34.0740	YPR144C	K14771			K14771	K14771	BBM_I03270	5		3	1	K14771	K14771	NOC4, UTP19, U3 small nucleolar RNA-associated protein 19
	TA17325		LmjF27.0960							BBM_I03275	2		0	0	NA		
BBOV_I005100	TA17315	PF14_0369		YPR124W	K14686		K14686			BBM_I03280	4	api+	2	1	Valid	Valid	BMN1-20
BBOV_I005090	TA17310	MAL13P1.92	LmjF22.0460	YOL040C	K02958	K02958	K02958	K02958	K02958	BBM_I03285	5		5	1	K02958	K02958	small subunit ribosomal protein S15e
BBOV_I005080	TA17305	MAL13P1.95			K02639	K02639	K02639			BBM_I03290	3	api	3	1	K02639	K02639	ferredoxin
		PF14_0098		YJR088C						BBM_I03295	2		0	0	NA		
BBOV_I005070	TA17300	PF14_0097	LmjF26.1620	YBR029C	K00981	K00981	K00981	K00981	K00981	BBM_I03300	5		5	1	K00981	K00981	phosphatidate cytidyltransferase [EC:2.7.7.41]
										BBM_I03301					Valid		tRNA, Arg, anticodon ACG
										BBM_I03302					Valid		tRNA, Arg, anticodon TCG
										BBM_I03303	0		0	0	NA		
BBOV_I005040	TA17295	PF14_0041	LmjF14.0950	YBL038W						BBM_I03305	5		0	0	Valid		
BBOV_I005030	TA17290		LmjF34.1470	YPL002C	K12188	K12188		K12188	K12188	BBM_I03310	4		4	1	K12188	K12188	ESCRT-II complex subunit VPS22
BBOV_I005020	TA17280	PFE1470w	LmjF11.0180	YER007C-A	K07575	K07575	K07575	K07575	K07575	BBM_I03315	5		5	1	K07575	K07575	PUA domain protein
BBOV_I005010		PF1055w		YDL176W						BBM_I03320	3		0	0	NA		
	TA17270	PFE1460w								BBM_I03325	2		0	0	NA		
BBOV_I005000		PFE1450c		YKR101W					K11120	BBM_I03330	3		1	1	NA		
BBOV_I004990	TA17265	PFE1445c	LmjF28.2450							BBM_I03335	4	api+	0	0	Valid		
				YER006W					K14538	BBM_I03340	1		1	1	NA		
BBOV_I004970	TA17250	PF14_0368	LmjF15.1040	YML028W	K03386	K00435	K03386	K11185	K03386	BBM_I03345	5		5	3	NA	K03386	peroxiredoxin (alkyl hydroperoxide reductase subunit C)
BBOV_I004960	TA17245	PF14_0656	LmjF03.0520		K12837	K12837	K12837			BBM_I03350	4	api+	3	1	K12837	K12837	splicing factor U2AF 65 kDa subunit
	TA17240		LmjF08.0270							BBM_I03355	2		0	0	NA		
BBOV_I004950	TA17235	PF13_0287	LmjF13.1190	YNL220W	K01939	K01939	K01939	K01939	K01939	BBM_I03360	5		5	1	K01939	K01939	adenylosuccinate synthase [EC:6.3.4.4]
BBOV_I004940	TA17230	PFC0300c	LmjF26.0180	YGL076C			K02937	K02937	K02937	BBM_I03365	5		3	1	K02937	K02937	large subunit ribosomal protein L7e
BBOV_I001040	TA20110	PF14_0657								BBM_I03370	3	api	0	0	Valid		
		PF14_0658		YCR017C			K03236			BBM_I03375	2		1	1	NA		
BBOV_I000300		PFE0330w	LmjF36.6080	YPL249C						BBM_I03380	4		0	0	NA	Valid	TBC domain containing protein
BBOV_I000310	TA20125			YBR126C		K01087			K00697	BBM_I03385	3		2	2	NA		
BBOV_I005110										BBM_I03390	1		0	0	NA		
										BBM_I03392					Valid		tRNA, Leu, anticodon CAA
										BBM_I03393	0		0	0	NA		
BBOV_I000320	TA20135	MAL13P1.145	LmjF35.4120							BBM_I03395	4	api+	0	0	Valid		
BBOV_I000340	TA20140	MAL13P1.144			K03241	K03241	K03241			BBM_I03400	3	api	3	1	K03241	K03241	translation initiation factor eIF-2B gamma subunit
BBOV_I000350	TA20145	PF13_0147	LmjF35.3200							BBM_I03405	4	api+	0	0	Valid		
BBOV_I000360			LmjF28.1780		K03165			K03165		BBM_I03410	2		2	1	NA		
BBOV_I004920			LmjF14.0840	YJR035W	K10841			K10841	K10841	BBM_I03415	3		3	1	K10841	K10841	DNA excision repair protein ERCC-6
BBOV_I004930	TA17225	PFD0665c	LmjF12.0210	YDR394W	K03063	K03063	K03063	K03063	K03063	BBM_I03420	5		5	1	K03063	K03063	26S proteasome regulatory subunit T3
BBOV_I009970	TA11630	PFF0285c	LmjF28.0530	YNL250W	K10866	K10866	K10866	K10866	K10866	BBM_I03425	5		5	1	K10866	K10866	DNA repair protein RAD50 [EC:3.6.-.-]
BBOV_I009960	TA11640	PFF0305c	LmjF07.0850	YGR133W	K10689	K10689	K10689	K10689	K10689	BBM_I03430	5		5	1	K10689	K10689	peroxin-4 [EC:6.3.2.19]
		PFF0320c	L1156.07							BBM_I03435	2		0	0	NA		
										BBM_I03440	0		0	0	NA		
BBOV_I009950	TA11660	PFF0330w	LmjF34.4310	YDL145C	K05236	K05236	K05236	K05236	K05236	BBM_I03445	5		4	1	K05236	K05236	coatomer protein complex, subunit alpha (xenin)
BBOV_I007110		PFF0205w		YBR282W						BBM_I03450	3		0	0	NA		
BBOV_I007120	TA11665	PFF0200c								BBM_I03455	3	api	0	0	Valid		
				YOR073W					K11582	BBM_I03460	1		1	1	NA		
BBOV_I007180	TA11690	PFF0185c	LmjF31.0600							BBM_I03465	4	api+	0	0	Valid		
BBOV_I007170	TA11685	PFF0180w		YPR047W	K01889	K01889	K01889		K01889	BBM_I03470	4	api+	4	1	K01889	K01889	phenylalanyl-tRNA synthetase alpha chain [EC:6.1.1.20]
										BBM_I03475	0		0	0	NA		
			LmjF15.1350							BBM_I03480	1		0	0	NA		
BBOV_I007140	TA11675				K12618	K12618				BBM_I03485	2	piro	2	1	K12618	K12618	XRN1, SEP1, KEM1, 5'-3' exoribonuclease 1 [EC:3.1.13.-
BBOV_I007190	TA11695	PFF0160c	LmjF16.0530	YKL216W	K00226	K00226	K00226	K00226	K00226	BBM_I03490	5		5	1	K00226	K00254	dihydroorotate dehydrogenase [EC:1.3.5.2] (kegg annotation error for
BBOV_I007200	TA11700	PFC0140c	LmjF20.0810	YBR080C	K06027	K06027	K06027	K06027	K06027	BBM_I03495	5		5	1	K06027	K06027	vesicle-fusing ATPase [EC:3.6.4.6]
	TA11710	PF14_0379								BBM_I03500	2		0	0	NA		

BBOV_IV001220	TA19100	PF14_0430	LmjF12.0040	YGL085W						BBM_I00230	5		0	0	Valid		
BBOV_IV001230	TA19110	PF14_0431	LmjF09.0400	YLL019C	K08287	K08287	K08287	K08287	K08287	BBM_I00235	5		5	1	K08287	K08287	dual-specificity kinase [EC:2.7.12.1]
		PF14_0427	LmjF14.1360						K01858	BBM_I00240	2		1	1	NA		
BBOV_IV001250	TA19120			YDR032C						BBM_I00245	3		0	0	NA		
BBOV_I001500	TA08445									BBM_I00250	2	piro	0	0	Valid		
										BBM_I00255	0		0	0	NA		
BBOV_IV001260	TA19130	PFI1625c	LmjF01.0650	YLR163C	K01412	K01412	K01412	K01412	K01412	BBM_I00260	5		5	1	K01412	K01412	mitochondrial processing peptidase [EC:3.4.24.64]
BBOV_IV001280	TA19145	PF11_0341	L2743.01							BBM_I00265	4	api+	0	0	Valid		
BBOV_IV001290	TA19140	PFI1655c								BBM_I00270	3	api	0	0	Valid		
BBOV_IV001300	TA19155	PFI1650w	LmjF24.2280	YER171W	K10844	K10844	K10844	K10844	K10844	BBM_I00275	5		5	1	K10844	K10844	DNA excision repair protein ERCC-2 [EC:3.6.1.-]
BBOV_IV001310	TA19160	PFI1680w	LmjF35.1970	YDL091C						BBM_I00280	5		0	0	Valid		
		PFF0155w	LmjF34.1330	YDR375C					K08900	BBM_I00285	3		2	1	NA		
BBOV_IV001320	TA19180	PF10_0306	LmjF30.3310	YNR020C						BBM_I00290	5		0	0	Valid		
										BBM_I00295	0		0	0	NA		
BBOV_IV001330	TA19190	PF10_0266	LmjF29.0750	YJR002W	K14559	K14559	K14559	K14559	K14559	BBM_I00300	5		5	1	K14559	K14559	MPP10, U3 small nucleolar RNA-associated protein MPP10
BBOV_IV001340	TA19195	PFL0770w			K01875	K01875	K01875			BBM_I00305	3	api	3	1	K01875	K01875	seryl-tRNA synthetase [EC:6.1.1.11]
										BBM_I00310	0		0	0	NA		
BBOV_IV001360	TA19205	PFL0785c	LmjF19.1600	YML105C	K03105	K03105	K03105	K03105	K03105	BBM_I00315	5		5	1	K03105	K03105	signal recognition particle subunit SRP19
BBOV_IV001370	TA19210	PFD0430c	LmjF32.1965	YNL033W	K13834		K13834			BBM_I00320	5		2	1	K13834	K13834	sporozoite microneme protein 2
BBOV_IV001380			LmjF09.1200							BBM_I00325	2		0	0	NA		
BBOV_IV001390	TA19220	PFL0670c	LmjF18.1220	YHR020W	K01881	K01881	K01881	K01881	K01881	BBM_I00330	5		5	1	K01881	K01881	prolyl-tRNA synthetase [EC:6.1.1.15]
BBOV_IV001400	TA19225	PFL0675c		YDR211W	K03240	K03240			K03240	BBM_I00335	4	api+	3	1	K03240	K03240	translation initiation factor eIF-2B epsilon subunit
BBOV_IV001410	TA19230	PFL0680c								BBM_I00340	3	api	0	0	Valid		
BBOV_IV001420	TA19235	PFL0685w	LmjF24.0340	YLL031C					K05288	BBM_I00345	5		2	1	K05288	K05288	phosphatidylinositol glycan, class O
BBOV_IV001440					K05956					BBM_I00350	1		1	1	NA		
										BBM_I00355	0		0	0	NA		
	TA19245									BBM_I00360	1		0	0	NA		
BBOV_IV001460	TA19250	PFL0705c	LmjF26.1050	YPL252C						BBM_I00365	5		0	0	Valid		
BBOV_IV001470	TA19255	PFL0710w								BBM_I00370	3	api	0	0	Valid		
			LmjF32.1040							BBM_I00375	1		0	0	NA		
BBOV_IV001480	TA19265	PFL0720w								BBM_I00380	3	api	0	0	Valid		
BBOV_I004500	TA19270					K03386				BBM_I00385	2	piro	1	1	Valid	Valid	peroxiredoxin Q/BCP [EC:1.11.1.15] / antioxidant, AhpC/TSA family
BBOV_I004490	TA19340	PFL0735w				K01802	K01802			BBM_I00390	3	api	2	1	Valid		
BBOV_I004480		PFL0740c	LmjF26.0620	YOR020C	K04078		K04078	K04078	K04078	BBM_I00395	4		4	1	K04078	K04078	chaperonin GroES
BBOV_I004470	TA19325	PF14_0161	LmjF13.1390	YPL103C						BBM_I00400	5		0	0	Valid		
BBOV_I004460	TA19320	PF10_0144	LmjF35.0070	YGR231C						BBM_I00405	5		0	0	Valid		
BBOV_I004450	TA19315	PF14_0676	LmjF36.0320	YER012W	K02734	K02734	K02734	K02734	K02734	BBM_I00410	5		5	1	K02734	K02734	20S proteasome subunit beta 4 [EC:3.4.25.1]
BBOV_I004440	TA19310			YGL107C	K03108	K03108				BBM_I00415	3		2	1	NA		
BBOV_I004430	TA19305	PFE0270c		YDR097C	K08737	K08737	K08737		K08737	BBM_I00420	4	api+	4	1	K08737	K08737	DNA mismatch repair protein MSH6
		PFL2300w	LmjF14.0730	YLR105C					K01170	BBM_I00425	3		1	1	NA		
BBOV_I004420	TA19300	PFL2295w	LmjF19.0670	YKL099C					K14769	BBM_I00430	5		1	1	K14769	K14769	UTP11, U3 small nucleolar RNA-associated protein 11
BBOV_I004410	TA19295	MAL13P1.182								BBM_I00435	3	api	0	0	Valid		
BBOV_I004400	TA19290	MAL13P1.183			K14546	K14546				BBM_I00440	3	api	2	1	Valid		
BBOV_I0004040	TA19285	PF14_0519								BBM_I00445	3	api	0	0	Valid		
BBOV_IV0004050	TA19345	PF14_0518	LmjF35.3620	YPL135W	K04488	K04488	K04488	K04488		BBM_I00450	5		4	1	K04488	K04488	nitrogen fixation protein NifU and related proteins
BBOV_IV0004060	TA19350	PF14_0520	LmjF35.3340	YGR256W	K00033	K00033	K00033	K00033	K00033	BBM_I00455	5		5	1	K00033	K00033	6-phosphogluconate dehydrogenase [EC:1.1.1.44]
										BBM_I00460	0		0	0	NA		
BBOV_IV0004070	TA19360	PFE0265c	LmjF15.0800							BBM_I00465	4	api+	0	0	Valid		
	TA20095									BBM_I00470	1		0	0	NA		
BBOV_IV0004100	TA19370	PFE0665c	LmjF32.3020	YDR336W	K03978	K03978				BBM_I00475	5		2	1	K03978	K03978	GTP-binding protein
BBOV_IV0005370	TA19380	PF08_0075	LmjF29.2460	YDL082W	K02873	K02873	K02873	K02873	K02873	BBM_I00480	5		5	1	K02873	K02873	large subunit ribosomal protein L13e
BBOV_IV0005360	TA19385	PF08_0076	LmjF26.0890	YMR143W	K02960	K02960	K02960	K02960	K02960	BBM_I00485	5		5	1	K02960	K02960	small subunit ribosomal protein S16e
BBOV_IV0005350	TA19395	PF13_0061	LmjF21.1770	YBR039W	K02136	K02136	K02136	K02136	K02136	BBM_I00490	5		5	1	K02136	K02136	F-type H ⁺ -transporting ATPase subunit gamma [EC:3.6.3.14]
BBOV_IV0005340	TA19400	MAL13P1.54			K13111	K13111	K13111			BBM_I00495	3	api	3	1	K13111	K13111	WD40 repeat-containing protein SMU1

BBOV_IV005330	TA19405	PFF0785w	LmjF35.0750		K11547	K11547	K11547			BBM_I100500	4	api+	3	1	K11547	K11547
BBOV_IV005320	TA19410	PFL0745c								BBM_I100505	3	api	0	0	Valid	
		PF11_0304								BBM_I100510	1		0	0	NA	
										BBM_I100515	0		0	0	NA	
										BBM_I100520	0		0	0	NA	
BBOV_IV005290	TA19425	PFL0635c		YDL001W						BBM_I100525	4	api+	0	0	Valid	
BBOV_IV005280	TA19430	PFL0630w	LmjF23.1410	YLL041C	K00235	K00235	K00235	K00235	BBM_I100530	5		4	1	K00235	K00235	
BBOV_IV005270	TA19435	PFD0460c							BBM_I100535	3	api	0	0	Valid		
BBOV_IV005250	TA19455	PF13_0136		YDR361C					BBM_I100540	4	api+	0	0	Valid		
BBOV_IV005240	TA19460	PF14_0268							BBM_I100545	3	api	0	0	Valid		
BBOV_IV005230	TA19465	PF14_0229							BBM_I100550	3	api	0	0	Valid		
BBOV_IV005220	TA19470	PF14_0224	LmjF12.0660		K01090	K01090	K01090		BBM_I100555	4	api+	3	1	K01090	K01090	
BBOV_IV005210	TA19475	PFL0615w							BBM_I100560	3	api	0	0	Valid		
BBOV_IV005200	TA19480	PFL0620c	LmjF03.0080	YBL011W				K13507	BBM_I100565	5		2	1	K13507	K13507	
BBOV_IV005190	TA19485	PF10_0267	LmjF24.0330	YKL155C					BBM_I100570	5		0	0	Valid		
BBOV_IV005180	TA19495	PF10_0268		YIL010W	K03564			K03564	BBM_I100575	4	api+	2	1	Valid	K03564	
BBOV_IV005170	TA19500	PF10_0269	LmjF32.1280	YDR404C	K03015	K03015	K03015	K03015	BBM_I100580	5		5	1	K03015	K03015	
		PF10_0270							BBM_I100585	1		0	0	NA		
	TA19505	PF10_0412	LmjF16.0630	YHL022C		K10878		K10878	BBM_I100590	4		2	1	NA		
BBOV_IV005160	TA19510	PF10_0271	LmjF34.2390	YOR257W					BBM_I100595	5		0	0	Valid		
BBOV_IV005150	TA19515	MAL8P1.23	LmjF07.0280	YDR457W			K10592	K10592	BBM_I100600	5		3	1	K10592	K10592	
									BBM_I100605	0		0	0	NA		
BBOV_IV005130	TA19525	PFD0455w	LmjF35.3880	YLL011W	K11806	K11806	K11806	K11806	BBM_I100610	5		5	1	K11806	K11806	
BBOV_IV005120	TA19530				K13835	K13835			BBM_I100615	2	piro	2	1	K13835	K13835	
BBOV_IV005100	TA19535	PFL0665c	LmjF28.0810	YOR224C	K03016	K03016	K03016	K03016	BBM_I100620	5		5	1	K03016	K03016	
BBOV_IV005110	TA19540	PFL0660w	LmjF32.0230	YDR424C	K10418	K10418	K10418	K10418	BBM_I100625	5		5	1	K10418	K10418	
BBOV_IV005090	TA19545	PFL0625c	LmjF17.0010	YBR079C	K03254	K03254	K03254	K03254	BBM_I100630	5		4	1	K03254	K03254	
BBOV_IV005070	TA19565	PF14_0042	LmjF20.0650	YMR229C	K14792	K14792	K14792	K14792	BBM_I100635	5		5	1	K14792	K14792	
BBOV_IV005060	TA19570	PFC0865w	LmjF26.0760	YIR005W	K13107	K13107	K13107	K13107	BBM_I100640	4		4	1	K13107	K13107	
BBOV_IV005050	TA19575	PF13_0086	LmjF34.0450				K03469		BBM_I100645	4	api+	1	1	Valid		
BBOV_IV005040	TA19580	MAL13P1.79							BBM_I100650	3	api	0	0	Valid		
BBOV_IV005030	TA19585	MAL13P1.283	LmjF21.1090	YDL143W	K09496	K09496	K09496	K09496	BBM_I100655	5		5	1	K09496	K09496	
BBOV_IV005020	TA19590	PF13_0309	LmjF36.4210	YLR409C	K14554	K14554		K14554	BBM_I100660	5		4	1	K14554	K14554	
BBOV_IV005010	TA19595	PFC0780w							BBM_I100665	3	api	0	0	Valid		
BBOV_IV005000	TA19600	PFC0975c	LmjF23.0050	YML078W	K01802	K01802	K01802	K01802	BBM_I100670	5		5	1	K01802	K01802	
BBOV_IV004990	TA19605	PFC0980c		YPL228W				K01098	BBM_I100675	4	api+	1	1	Valid		
BBOV_IV004980	TA19610	PFC0960c	LmjF27.2170	YJR134C					BBM_I100680	5		0	0	Valid		
BBOV_IV004970	TA19620	PFC0995c		YNR019W	K00635	K00635	K00635	K00637	BBM_I100690	4	api+	4	2	K00635	K00635	
BBOV_IV004960	TA19625	PF07_0095		YGR024C	K10761	K10761	K10761	K10761	BBM_I100695	4	api+	4	1	K10761	K10761	
	TA19635	MAL7P1.124							BBM_I100700	2		0	0	NA		
BBOV_IV004920		MAL7P1.112	LmjF35.0450	YPR184W				K01196	BBM_I100705	4		1	1	NA		
BBOV_IV004860	TA19680								BBM_I100710	2	piro	0	0	Valid		
BBOV_IV004870	TA19675		LmjF27.0840	YBR240C					BBM_I100715	4		0	0	NA		
BBOV_IV004890	TA19650	PF07_0094	LmjF34.0680						BBM_I100720	4	api+	0	0	Valid		
BBOV_IV004910	TA19645		LmjF25.0530	YPL270W			K05657	K02021	BBM_I100725	4		2	2	NA		
BBOV_IV004840	TA19690	PF13_0121	LmjF28.2420	YDR148C	K00658	K00658	K00658	K00658	BBM_I100730	5		5	1	K00658	K00658	
BBOV_IV004830	TA19695	PFE0570w	LmjF29.1750						BBM_I100735	4	api+	0	0	Valid		
BBOV_IV004820	TA19700	PFE0605c	LmjF14.0910	YOL049W	K01920	K01920	K01920	K01920	BBM_I100740	5		5	1	K01920	K01920	
	TA21425								BBM_I100745	1		0	0	NA		
BBOV_IV004650	TA21430	PFE1195w	LmjF32.2150	YMR308C					BBM_I100750	5		0	0	Valid		
		MAL13P1.161							BBM_I100755	1		0	0	NA		
									BBM_I100760	0		0	0	NA		
BBOV_IV004680	TA21435	PFD0190w	LmjF36.5330		K11428	K11428	K11428		BBM_I100765	4	api+	3	1	K11428	K11428	
BBOV_IV004690	TA21440	PFE1110w							BBM_I100770	3	api	0	0	Valid		

kinetochore protein NDC80
succinate dehydrogenase (ubiquinone) iron-sulfur protein
protein phosphatase [EC:3.1.3.16]
glycerol-3-phosphate O-acyltransferase / dihydroxyacetone
peroxiredoxin Q/BCP [EC:1.11.1.15]
DNA-directed RNA polymerase II subunit G
E3 ubiquitin-protein ligase HUWE1 [EC:6.3.2.19]
WDSOF1, WD repeat and SOF domain-containing protein 1
cell-traversal protein for ookinetes and sporozoites
DNA-directed RNA polymerase II subunit H
dynein light chain LC8-type
translation initiation factor eIF-3 subunit 10
RRP5, PDCD11, rRNA biogenesis protein RRP5
RNA-binding motif protein, X-linked 2
T-complex protein 1 subunit delta
UTP21, WDR36, U3 small nucleolar RNA-associated protein 21
peptidylprolyl isomerase [EC:5.2.1.8]
diacylglycerol O-acyltransferase [EC:2.3.1.20]
tRNA(His) guanylyltransferase [EC:2.7.7.-]
2-oxoglutarate dehydrogenase E2 component (dihydroliipoamide)
glutathione synthase [EC:6.3.2.3]
histone-lysine N-methyltransferase SETD8 [EC:2.1.1.43]

BBOV_IV005410	TA21135	PF14_0107	LmjF34.1110	YLR022C	K14574	K14574	K14574	K14574	K14574	BBM_I01050	5		5	1	K14574	K14574	SDO1, SBDS, ribosome maturation protein SDO1
										BBM_I01055	0		0	0	NA		
										BBM_I01060	0		0	0	NA		
BBOV_IV005400		PFL1710c								BBM_I01065	2		0	0	NA		
BBOV_IV004110	TA21145	PFL1705w		YER068W	K10643	K10643			K10643	BBM_I01070	4	api+	3	1	K10643	K10643	CCR4-NOT transcription complex subunit 4 [EC:6.3.2.19]
BBOV_IV004120	TA21150	PF13_0313	LmjF17.1410	YGR211W	K06874	K06874	K06874	K06874	K06874	BBM_I01075	5		5	1	K06874	K06874	zinc finger protein
BBOV_IV004130										BBM_I01080	1		0	0	NA		
										BBM_I01085	0		0	0	NA		
BBOV_IV004150	TA21175	PF13_0122			K01802	K01802				BBM_I01090	3	api	2	1	Valid		
BBOV_IV004160	TA21180			YGL208W						BBM_I01095	3		0	0	NA		
BBOV_IV004170		MAL13P1.288								BBM_I01100	2		0	0	NA		
				YOR030W						BBM_I01110	1		0	0	NA		
BBOV_IV004190	TA21190	PF14_0104	LmjF09.1070	YER025W	K03242	K03242	K03242	K03242	K03242	BBM_I01115	5		5	1	K03242	K03242	translation initiation factor eIF-2 gamma subunit
										BBM_I01120	0		0	0	NA		
										BBM_I01125	0		0	0	NA		
										BBM_I01130	0		0	0	NA		
BBOV_I001510										BBM_I01135	1		0	0	NA		
BBOV_IV005480	TA21095	PF07_0077	LmjF21.0230	YLR085C					K11662	BBM_I01140	5		1	1	K11662	K11662	actin-related protein 6
BBOV_IV005500	TA21090	PF11_0274	LmjF29.1000							BBM_I01145	4	api+	0	0	Valid		
BBOV_IV005510	TA21085	PF11_0275	LmjF28.0470	YPL126W	K14552			K14552	K14552	BBM_I01150	5		3	1	K14552	K14552	NAN1, UTP17, WDR75, NET1-associated nuclear protein 1 (U3 small
BBOV_IV005520	TA21080	PF11_0147	LmjF33.1380	YBL016W	K08293	K08293	K08293	K04371	K04371	BBM_I01155	5		5	2	K08293	K08293	mitogen-activated protein kinase [EC:2.7.11.24]
BBOV_IV005540	TA21075	PF11_0152		YGR100W						BBM_I01160	4	api+	0	0	Valid	Valid	TBC domain containing protein
		PF11_0153								BBM_I01165	1		0	0	NA		
BBOV_IV005570	TA21055	PF14_0261	LmjF19.0160			K14813	K01265			BBM_I01170	4	api+	2	2	Valid		
BBOV_IV005590	TA05020	PF14_0308	LmjF35.3450	YER162C				K10838	K10838	BBM_I01175	5		2	1	K10838	K10838	xeroderma pigmentosum group C-complementing protein
BBOV_IV005600	TA21040	PF14_0307		YGR283C	K09142	K09142	K09142		K09142	BBM_I01180	4	api+	4	1	K09142	K09142	hypothetical protein
BBOV_IV005700	TA21030	PFB0645c	LmjF34.3680	YOR150W	K02871	K02871	K02871	K02871	K02871	BBM_I01185	5		5	1	K02871	K02871	large subunit ribosomal protein L13
BBOV_IV005710	TA21025	PFB0655c	LmjF29.1380		K14798	K14798	K14798			BBM_I01190	4	api+	3	1	K14798	K14798	LTV1, protein LTV1
										BBM_I01195	0		0	0	NA		
BBOV_IV005730	TA21015	PFD0250c								BBM_I01200	3	api	0	0	Valid		
BBOV_IV005740	TA21010					K14807				BBM_I01205	2	piro	1	1	Valid		
BBOV_IV005760	TA21000	PF11_0280	LmjF35.4460	YPR182W	K11098	K11098			K11098	BBM_I01210	5		4	1	K11098	K11098	small nuclear ribonucleoprotein F
	TA20995	PF11_0284	LmjF35.5230	YDL201W		K03439	K03439	K03439	K03439	BBM_I01215	4		4	1	K03439	K03439	tRNA (guanine-N7-)-methyltransferase [EC:2.1.1.33]
BBOV_IV005770	TA20975	PF11_0282		YBR252W	K01520	K01520			K01520	BBM_I01220	4	api+	4	1	K01520	K01520	dUTP pyrophosphatase [EC:3.6.1.23]
BBOV_IV005780	TA20970									BBM_I01225	2	piro	0	0	Valid		
BBOV_IV005790	TA20965	PF14_0110		YLR176C					K09175	BBM_I01230	4	api+	1	1	Valid		
BBOV_IV005810	TA20960	PF14_0112	LmjF34.1260	YOR001W	K02335	K02335	K02335	K02335	K12591	BBM_I01235	5		5	1	K02335	K02335	DNA polymerase I [EC:2.7.7.7]
BBOV_IV005820	TA20955		LmjF30.1150	YLR336C						BBM_I01240	4		0	0	NA		
BBOV_IV005830	TA20945	PFL1725w	LmjF25.1180	YJR121W	K02133	K02133	K02133	K02133	K02133	BBM_I01245	5		5	1	K02133	K02133	F-type H ⁺ -transporting ATPase subunit beta [EC:3.6.3.14]
BBOV_IV005840	TA20940	PFL1720w	LmjF28.2370	YBR263W	K00600	K00600	K00600	K00600	K00600	BBM_I01250	5		5	1	K00600	K00600	glycine hydroxymethyltransferase [EC:2.1.2.1]
BBOV_IV005850		PFL1715w	LmjF20.0700	YCL055W						BBM_I01255	4		0	0	NA		
BBOV_IV005860	TA20935	PFI0285w								BBM_I01260	3	api	0	0	Valid		
										BBM_I01265	0		0	0	NA		
BBOV_IV005880		PFI0375w	LmjF30.1420							BBM_I01270	3		0	0	NA		
BBOV_IV005890	TA20925	PFI0290c	LmjF33.3210	YGL137W						BBM_I01275	5		0	0	Valid		
BBOV_IV005900	TA20920	PFI0300w	LmjF33.1900	YKR035W-A	K12197	K12197	K12197	K12197	K12197	BBM_I01285	5		5	1	K12197	K12197	charged multivesicular body protein 1
BBOV_IV005910	TA20915									BBM_I01290	2	piro	0	0	Valid		
BBOV_IV005920		PFD0940w		YER019W					K01128	BBM_I01295	3		1	1	NA		
BBOV_IV005930	TA20910	MAL13P1.56	LmjF26.0300	YKL157W	K01256	K01269	K13725	K01269	K13721	BBM_I01305	5		5	4	NA		
										BBM_I01310	0		0	0	NA		
BBOV_IV005940	TA20905	PF14_0256	LmjF36.3020	YGR195W	K11600	K11600	K11600	K11600	K11600	BBM_I01315	5		5	1	K11600	K11600	exosome complex component RRP41
BBOV_IV005960	TA20900	PF14_0257	LmjF30.3640							BBM_I01320	4	api+	0	0	Valid		
BBOV_IV005970	TA20895		LmjF31.2670							BBM_I01325	3		0	0	NA		
BBOV_IV005980	TA20890	PF13_0134								BBM_I01330	3	api	0	0	Valid		

BBOV_IV005990		MAL13P1.53	LmjF33.1355	YER048W-A							BBM_IJ01335	4		0	0	NA		
BBOV_IV006000	TA20885										BBM_IJ01340	2	piro	0	0	Valid		
											BBM_IJ01345	0		0	0	NA		
BBOV_IV006010			LmjF32.2360	YNR040W							BBM_IJ01350	3		0	0	NA		
BBOV_IV006040	TA20865		LmjF23.0690					K00632			BBM_IJ01355	3		1	1	NA		
BBOV_IV006050	TA20860	MAL13P1.128									BBM_IJ01360	3	api	0	0	Valid		
											BBM_IJ01365	0		0	0	NA		
BBOV_IV006060	TA20855	MAL13P1.129	LmjF05.0060								BBM_IJ01370	4	api+	0	0	Valid		
BBOV_IV006070	TA20850	PF13_0129	LmjF21.1050	YGL147C	K02940	K02940	K02940	K02940	K02940		BBM_IJ01375	5		5	1	K02940	K02940	large subunit ribosomal protein L9e
BBOV_IV006080	TA20845	PF13_0059		YDR337W							BBM_IJ01380	4	api+	0	0	Valid		
BBOV_IV006090	TA20840	MAL13P1.52	LmjF17.1240	YNL313C							BBM_IJ01385	5		0	0	Valid		
BBOV_IV006100		PF13_0058		YER044C							BBM_IJ01390	3		0	0	NA		
BBOV_IV006110	TA20835	PF13_0056	LmjF26.1140								BBM_IJ01395	4	api+	0	0	Valid		
		PF14_0317	LmjF25.2320	YJR1010C-A					K12946		BBM_IJ01400	3		1	1	NA		
											BBM_IJ01402					Valid		tRNA, Thr, anticodon AGT
											BBM_IJ01405	0		0	0	NA		
BBOV_IV006160	TA20820	PF14_0265			K02835	K02835	K02835				BBM_IJ01410	3	api	3	1	K02835	K02835	peptide chain release factor RF-1
BBOV_IV006170	TA20815	PF14_0267									BBM_IJ01415	3	api	0	0	Valid		
BBOV_IV006180	TA20810		LmjF15.1250		K12165	K12165		K12165			BBM_IJ01420	3		3	1	K12165	K12165	ufm1-conjugating enzyme 1
BBOV_IV006190		PFD0325w									BBM_IJ01425	2		0	0	NA		
BBOV_IV006200	TA20800	PFL1130c									BBM_IJ01430	3	api	0	0	Valid		
BBOV_IV006210	TA20795	MAL13P1.352		YNR067C							BBM_IJ01435	4	api+	0	0	Valid		
BBOV_IV006220	TA20790		LmjF28.1280					K00500			BBM_IJ01440	3		1	1	NA		
BBOV_IV006230		PF13_0362	LmjF32.0170	YPL213W	K11092				K11092		BBM_IJ01445	4		2	1	NA		
											BBM_IJ01447					Valid		tRNA, Trp, anticodon CCA
BBOV_IV006260											BBM_IJ01450	1		0	0	NA		
		PFL0415w		YKL192C					K03955		BBM_IJ01455	2		1	1	NA		
BBOV_IV006270	TA20780	PFL0520c	LmjF21.1100	YBR123C							BBM_IJ01460	5		0	0	Valid		
	TA20782	PFL0410w	LmjF27.0020	YPL033C							BBM_IJ01465	4		0	0	NA		
		PF14_0102									BBM_IJ01470	1		0	0	NA		
BBOV_IV006280	TA20770	PFL0405w				K14772	K14772				BBM_IJ01475	3	api	2	1	Valid		
BBOV_IV006290											BBM_IJ01480	1		0	0	NA		
	TA19960	PFL2255w						K10295			BBM_IJ01485	2		1	1	NA		
BBOV_IV006310	TA20755	PFL0385c	LmjF25.1950								BBM_IJ01490	4	api+	0	0	Valid		
BBOV_IV006320	TA20750	PFL0380c		YOR274W	K00791	K00791	K00791		K00791		BBM_IJ01495	4	api+	4	1	K00791	K00791	tRNA dimethylallyltransferase [EC:2.5.1.75]
BBOV_IV006340	TA20745	PFL0375w									BBM_IJ01500	3	api	0	0	Valid		
BBOV_IJ000820	TA18195	PFL0370w									BBM_IJ01505	3	api	0	0	Valid		
											BBM_IJ01510	0		0	0	NA		
BBOV_IJ000850	TA18205	PFL0355c	LmjF36.6520	YDR365C							BBM_IJ01515	5		0	0	Valid		
BBOV_IJ000870	TA17975	PF14_0458									BBM_IJ01520	3	api	0	0	Valid		
BBOV_IJ000880	TA17970	PFC0285c	LmjF27.1260	YIL142W	K09494	K09494	K09494	K09494	K09494		BBM_IJ01525	5		5	1	K09494	K09494	T-complex protein 1 subunit beta
	TA17965	PF11_0182		YOL114C							BBM_IJ01530	3		0	0	NA		
	TA17960										BBM_IJ01535	1		0	0	NA		
BBOV_IJ000900	TA17955										BBM_IJ01540	2	piro	0	0	Valid		
											BBM_IJ01545	0		0	0	NA		
BBOV_IJ000910	TA17935	PF11_0207									BBM_IJ01550	3	api	0	0	Valid		
				YDR432W							BBM_IJ01555	1		0	0	NA		
BBOV_IJ000930	TA17925	PFC0275w	LmjF28.0240	YIL155C	K00111	K00111	K00111	K00111	K00111		BBM_IJ01560	5		5	1	K00111	K00111	glycerol-3-phosphate dehydrogenase [EC:1.1.5.3]
BBOV_IJ000940	TA17920	PFC0280c									BBM_IJ01565	3	api	0	0	Valid		
BBOV_IJ000950	TA18045	PF14_0370	LmjF13.0500	YER172C	K12854	K12854	K01509	K01529	K12854		BBM_IJ01570	5		5	3	NA	Valid	BMN1-5B
BBOV_IJ000960	TA18040	PFL0330c	LmjF20.0010	YOR207C	K03021	K03021	K03021	K03021	K03021		BBM_IJ01575	5		5	1	K03021	K03021	DNA-directed RNA polymerase III subunit C2 [EC:2.7.7.6]
BBOV_IJ000970	TA18035	PFC0290w	LmjF21.1070	YPR132W	K02973	K02973	K02973	K02973	K02973		BBM_IJ01585	5		5	1	K02973	K02973	small subunit ribosomal protein S23e
											BBM_IJ01590	0		0	0	NA		
BBOV_IJ001000	TA18020	PFI0705w	LmjF21.1840								BBM_IJ01595	4	api+	0	0	Valid		

BBOV_III001260	TA17855	PFL2055w	LmjF16.0310	YHR070W	K07055	K07055	K02962		K07055	BBM_II01600	5		4	2	NA			
BBOV_III002550	TA17870	PFL2050w		YKL019W	K05955	K05955			K05955	BBM_II01605	4	api+	3	1	K05955	K05955		protein farnesyltransferase/geranylgeranyltransferase type-1 subunit
BBOV_III001130	TA17875	PFL2045w								BBM_II01610	3	api	0	0	Valid			
	TA17880	PFL1215c		YJL176C					K11772	BBM_II01615	3		1	1	NA			
			LmjF11.0570							BBM_II01620	1		0	0	NA			
BBOV_III001120	TA17890	PFL2060c	LmjF29.2160	YER136W						BBM_II01625	5		0	0	Valid			
BBOV_III001110	TA17895	PFD1055w	LmjF29.2860	YNL302C	K02966	K02966	K02966	K02966	K02966	BBM_II01630	5		5	1	K02966	K02966		small subunit ribosomal protein S19e
BBOV_III001100	TA17900	PFC0295c	LmjF13.0570	YOR369C	K02951	K02951	K02951	K02951	K02951	BBM_II01635	5		5	1	K02951	K02951		small subunit ribosomal protein S12e
BBOV_III001090	TA17905	PFL0335c	LmjF34.0350	YPR041W	K03262	K03262	K03262	K03262	K03262	BBM_II01640	5		5	1	K03262	K03262		translation initiation factor eIF-5
		MAL13P1.50	LmjF35.3150							BBM_II01645	2		0	0	NA			
BBOV_III001080	TA17910	PFL0450c	LmjF27.2335			K14294				BBM_II01650	4	api+	1	1	Valid			
BBOV_III001070	TA17980	PFL0460w	LmjF26.0005	YNL147W	K12626	K12626	K12626	K12626	K12626	BBM_II01655	5		5	1	K12626	K12626		U6 snRNA-associated Sm-like protein LSm7
BBOV_III001060	TA17985	PFL0465c		YPR186C						BBM_II01665	4	api+	0	0	Valid			
BBOV_III001050	TA17990	PF14_0671	LmjF10.0110	YDR267C						BBM_II01670	5		0	0	Valid			
BBOV_III001030	TA17995	PFL2130w								BBM_II01675	3	api	0	0	Valid			
BBOV_III001010	TA18015	PF08_0101								BBM_II01680	3	api	0	0	Valid			
	TA17850		LmjF23.0790					K11426		BBM_II01685	2		1	1	NA			
BBOV_III001370	TA17840	PFB0175c	LmjF22.1380	YAL025C	K14831	K14831	K14831	K14831	K14831	BBM_II01690	5		5	1	K14831	K14831		MAK16, protein MAK16
BBOV_III001380	TA17835	MAL7P1.209								BBM_II01695	3	api	0	0	Valid			
BBOV_III001390	TA17830									BBM_II01700	2	piro	0	0	Valid			
										BBM_II01705	0		0	0	NA			
										BBM_II01710	0		0	0	NA			
				YJR112W-A						BBM_II01715	1		0	0	NA			
BBOV_III001500	TA17805	MAL13P1.164	LmjF18.0740	YOR187W	K02358	K02358		K02358	K02358	BBM_II01720	5		4	1	K02358	K02358		elongation factor EF-Tu [EC:3.6.5.3]
										BBM_II01725	0		0	0	NA			
BBOV_III001480	TA17795	PFC1020c	LmjF35.0420	YML063W	K02984	K02984	K02984	K02984	K02984	BBM_II01730	5		5	1	K02984	K02984		small subunit ribosomal protein S3Ae
BBOV_III001470	TA17790									BBM_II01735	2	piro	0	0	Valid			
BBOV_I003350	TA03230	PF10_0287	LmjF32.0510	YNL323W						BBM_II01740	5		0	0	Valid			
BBOV_I003340	TA03225	PF11_0331	LmjF32.3270	YDR212W	K09493	K09493	K09493	K09493	K09493	BBM_II01750	5		5	1	K09493	K09493		T-complex protein 1 subunit alpha
BBOV_I003320	TA05520	PF10_0215a	LmjF15.0730	YIL110W						BBM_II01755	5		0	0	Valid			
										BBM_II01760	0		0	0	NA			
BBOV_I003310	TA05515	PF10_0213	LmjF35.2670	YGR232W				K06694		BBM_II01770	5		1	1	K06694	K06694		26S proteasome non-ATPase regulatory subunit 10
BBOV_I003300	TA05510	PFI0605c	LmjF18.1030		K01113	K01113	K01113	K01113		BBM_II01775	4	api+	4	1	K01113	K01113		alkaline phosphatase D [EC:3.1.3.1]
BBOV_I003240	TA05480	PFC0825c			K13148	K13148	K13148			BBM_II01780	3	api	3	1	K13148	K13148		integrator complex subunit 11 [EC:3.1.27.-]
BBOV_I003250	TA05485	PFA_0275c	LmjF36.6660		K14590	K14590		K14589		BBM_II01785	4	api+	3	2	Valid			
BBOV_I003260	TA05490	PFA_0270c								BBM_II01790	3	api	0	0	Valid			
										BBM_II01795	0		0	0	NA			
BBOV_I003280	TA05500	PFA_0260c	LmjF36.5590	YNL138W						BBM_II01800	5		0	0	Valid			
	TA05505	PFI0610w	LmjF27.0930	YER063W				K00253		BBM_II01805	4		1	1	NA			
				YFL062W						BBM_II01810	1		0	0	NA			
BBOV_I003230	TA05475									BBM_II01815	2	piro	0	0	Valid			
			LmjF32.1540							BBM_II01820	1		0	0	NA			
BBOV_I003210	TA05465			YBR250W	K14314					BBM_II01825	3		1	1	NA			
										BBM_II01830	0		0	0	NA			
										BBM_II01835	0		0	0	NA			
										BBM_II01840	0		0	0	NA			
BBOV_I003200		MAL13P1.77								BBM_II01845	2		0	0	NA			
BBOV_I003190	TA05460	PF0780w								BBM_II01850	3	api	0	0	Valid			
BBOV_I003180	TA05455	PFA_0590w								BBM_II01855	3	api	0	0	Valid	Valid		orthologous to PfMRP, ABC transporter protein involved in
BBOV_I003170	TA05450	PF0685c	LmjF05.0230	YNL240C						BBM_II01860	5		0	0	Valid			
										BBM_II01865	0		0	0	NA			
BBOV_I003160	TA05445	PF0700c	LmjF06.0410	YBR084C-A	K02885	K02885		K02885	K02885	BBM_II01870	5		4	1	K02885	K02885		large subunit ribosomal protein L19e
BBOV_I003140	TA05440	PF0715c	LmjF09.0050	YOL043C	K10773	K10773	K10773	K10773	K10773	BBM_II01875	5		5	1	K10773	K10773		endonuclease III [EC:4.2.99.18]
BBOV_I001750	TA05425		LmjF17.0990							BBM_II01880	3		0	0	NA			

	TA05435	PFF0710w								BBM_I01885	2		0	0	NA		
										BBM_I01890	0		0	0	NA		
BBOV_I001740	TA05430	PFE1050w	LmjF36.3910	YER043C	K01251	K01251	K01251	K01251	K01251	BBM_I01895	5		5	1	K01251	K01251	adenosylhomocysteinase [EC:3.3.1.1]
BBOV_I001770	TA05420									BBM_I01900	2	piro	0	0	Valid		
BBOV_I001780	TA05415	PFF0740c		YJL091C					K05283	BBM_I01905	4	api+	1	1	Valid		
										BBM_I01906	0		0	0	NA		
BBOV_I001830	TA05410	PFF0880c				K01529				BBM_I01910	3	api	1	1	Valid		
BBOV_I001840	TA05405			YJL011C						BBM_I01915	3		0	0	NA		
BBOV_I001850	TA05400		LmjF35.3570							BBM_I01920	3		0	0	NA		
										BBM_I01925	0		0	0	NA		
			LmjF29.1740					K11251		BBM_I01930	1		1	1	NA		
BBOV_I001820	TA05385	PFF0840w								BBM_I01935	3	api	0	0	Valid		
										BBM_I01940	0		0	0	NA		
BBOV_I001870	TA05370	PFF0835w		YEL061C						BBM_I01945	4	api+	0	0	Valid		
BBOV_I001880	TA05365	PFF0830w	LmjF07.0050	YBL037W	K11824	K11824		K11824	K11824	BBM_I01950	5		4	1	K11824	K11824	AP-2 complex subunit alpha
BBOV_I001900	TA05360	PFF0545c		YAL030W		K08515			K08513	BBM_I01955	4	api+	2	2	Valid		
BBOV_I001910	TA05355	PF13_0273	LmjF29.2090		K12874	K12874	K12874			BBM_I01960	4	api+	3	1	K12874	K12874	intron-binding protein aquarius
			L2743.08	YLR059C					K13288	BBM_I01965	2		1	1	NA		
BBOV_I001930	TA05345	PFD0725c	LmjF11.0700	YDL100C	K01551	K01551	K01551	K01551	K01551	BBM_I01970	5		5	1	K01551	K01551	arsenite-transporting ATPase [EC:3.6.3.16]
BBOV_I001940	TA05340	PFD0720w								BBM_I01975	3	api	0	0	Valid		
BBOV_I001950	TA05335	PFD0740w								BBM_I01980	3	api	0	0	Valid		
			LmjF27.1950							BBM_I01985	0		0	0	NA		
BBOV_I001960	TA05330									BBM_I01990	1		0	0	NA		
BBOV_I001970	TA05325	PF10_0340	LmjF21.0810	YGR171C	K01874	K01874	K01874	K01874	K01874	BBM_I01995	2	piro	0	0	Valid		
										BBM_I02000	5		5	1	K01874	K01874	methionyl-tRNA synthetase [EC:6.1.1.10]
										BBM_I02002					Valid		tRNA, Gly, anticodon TTG
		PFL2020c								BBM_I02005	1		0	0	NA		
BBOV_I002000	TA05310	PF14_0400			K03978	K03978	K03978			BBM_I02010	3	api	3	1	K03978	K03978	GTP-binding protein
BBOV_I002010	TA05305	PF10_0029								BBM_I02015	3	api	0	0	Valid		
										BBM_I02017					Valid		tRNA, Gly, anticodon CTG
BBOV_I002030	TA05300	PF11_0287		YNL264C						BBM_I02020	4	api+	0	0	Valid		
				YIL126W					K11786	BBM_I02025	2		1	1	NA		
				YOL084W						BBM_I02030	1		0	0	NA		
BBOV_I002050	TA05285	PF11_0289		YKL005C						BBM_I02035	4	api+	0	0	Valid		
										BBM_I02040	1		0	0	NA		
BBOV_I002070	TA05275	PF08_0045	LmjF36.3470	YIL125W	K00164	K00164	K00164	K00164	K00164	BBM_I02045	5		5	1	K00164	K00164	2-oxoglutarate dehydrogenase E1 component [EC:1.2.4.2]
BBOV_I002080		MAL8P1.55	LmjF26.2300							BBM_I02050	3		0	0	NA		
		PF11210w								BBM_I02055	1		0	0	NA		
				YPR198W						BBM_I02060	1		0	0	NA		
										BBM_I02065	2		0	0	NA		
BBOV_I0011660	TA16775	PFL1040w	LmjF15.0225							BBM_I02070	4	api+	0	0	Valid		
BBOV_I0011670	TA16770	PFL1045w	LmjF30.2070							BBM_I02075	4	api+	0	0	Valid		
BBOV_I0011640	TA16785	PF07_0111	LmjF19.0810	YJL029C						BBM_I02080	5		0	0	Valid		
				YDR371W					K01183	BBM_I02085	1		1	1	NA		
BBOV_I0011630	TA16800	PF07_0110		YPL063W						BBM_I02090	4	api+	0	0	Valid		
BBOV_I0011620	TA16805	PFA_0165c								BBM_I02095	3	api	0	0	Valid		
BBOV_I004310	TA07155	PFC0605w								BBM_I02100	3	api	0	0	Valid		
BBOV_I0007070				YAR009C						BBM_I02105	2		0	0	NA		
										BBM_I02110	0		0	0	NA		
BBOV_I004280	TA02785	PFL1675c		YFL026W					K11213	BBM_I02115	4	api+	1	1	Valid		
BBOV_I004270	TA07140	PFL1680w	LmjF05.0890	YML049C	K12830	K12830	K12830	K12830	K12830	BBM_I02120	5		4	1	K12830	K12830	splicing factor 3B subunit 3
		PFL1685w								BBM_I02125	1		0	0	NA		
										BBM_I02130	0		0	0	NA		
BBOV_I004260	TA07135	PFD0950w	LmjF13.1480	YDR002W			K03864			BBM_I02135	5		1	1	K03864	K03864	small monomeric GTPase [EC:3.6.5.2]

BBOV_I004250	TA07115	PFD0960c	LmjF34.3980	YDL208W					K11129	K11129	BBM_I02140	5		2	1	K11129	K11129
				YDR098C							BBM_I02145	1		0	0	NA	
BBOV_I004230	TA07100	PFD0985w									BBM_I02150	3	api	0	0	Valid	
BBOV_I004100	TA07095	PF08_0063	LmjF29.1270	YDR258C	K03695	K03695					BBM_I02155	5		2	1	K03695	K03695
BBOV_I004090	TA07090	PFL1635w	LmjF26.2070	YPL020C						K08592	BBM_I02160	5		1	1	K08592	K08592
											BBM_I02165	0		0	0	NA	
	TA07080	MAL8P1.77									BBM_I02170	2		0	0	NA	
	TA07075	MAL8P1.76	LmjF35.4890	YER179W		K04482	K10872	K10872	K10872		BBM_I02175	4		4	2	NA	
											BBM_I02180	0		0	0	NA	
BBOV_I004080	TA09395	MAL8P1.78		YDR171W						K13993	BBM_I02185	4	api+	1	1	Valid	
		PFI0090c	LmjF29.1280	YHR185C							BBM_I02190	3		0	0	NA	
BBOV_I004070	TA09390	PFC0310c	LmjF32.1530		K01358	K01358	K01358	K01529			BBM_I02195	4	api+	4	2	K01358	K01358
	TA12545	MAL8P1.136				K13121	K13121				BBM_I02200	2		2	1	NA	
											BBM_I02205	0		0	0	NA	
BBOV_I003320	TA07500	PFC0325c									BBM_I02210	3	api	0	0	Valid	
											BBM_I02215	0		0	0	NA	
BBOV_I002650		PF14_0696	LmjF35.2130								BBM_I02220	3		0	0	NA	
BBOV_I002640	TA19720	MAL8P1.85									BBM_I02225	3	api	0	0	Valid	
			LmjF15.1465	YDR213W							BBM_I02230	2		0	0	NA	
BBOV_I002620		PFC0221c									BBM_I02235	2		0	0	NA	
BBOV_I002500	TA03270	PFI1330c									BBM_I02240	3	api	0	0	Valid	
BBOV_I002510		PFI1325w		YHR132C						K08783	BBM_I02245	3		1	1	NA	
BBOV_I002520				YJR021C							BBM_I02250	2		0	0	NA	
BBOV_I002530	TA03375	PFI1215w	LmjF30.1830	YDL030W	K12827	K12827	K12827	K12827	K12827		BBM_I02255	5		5	1	K12827	K12827
BBOV_I002540	TA03430	PFI1340w	LmjF29.1960		K01676	K01676	K01676	K01676			BBM_I02260	4	api+	4	1	K01676	K01676
BBOV_I002550	TA03435	PFI1205c									BBM_I02265	3	api	0	0	Valid	
BBOV_I002560	TA03650	PFI1190w									BBM_I02270	3	api	0	0	Valid	
BBOV_I002570	TA03705			YOR148C							BBM_I02275	3		0	0	NA	
BBOV_I002580	TA03765	PFI0925w	LmjF18.1660	YJL101C	K11204	K11204	K11204	K11204	K11204		BBM_I02280	5		5	1	K11204	K11204
BBOV_I002590	TA19740		LmjF16.0350								BBM_I02285	3		0	0	NA	
			LmjF34.0540								BBM_I02290	1		0	0	NA	
BBOV_I002610	TA19730	PFI0920c			K05539	K05539	K05539				BBM_I02295	3	api	3	1	K05539	K05539
BBOV_I002600	TA19735	PFI1130c	LmjF29.0140	YIL021W	K03011	K03011	K03011	K03011	K03011		BBM_I02300	5		5	1	K03011	K03011
BBOV_I002340		PF10_0147	LmjF28.0270	YDL045C	K00953		K00953		K00953		BBM_I02305	4		3	1	K00953	K00953
BBOV_I002390	TA03820	PF10_0148	LmjF02.0240	YKL095W				K13666			BBM_I02310	5		1	1	K13666	K13666
BBOV_I002400	TA03175	PF10_0149	LmjF12.0250	YNL247W	K01883	K01883	K01883	K01883	K01883		BBM_I02315	5		5	1	K01883	K01883
	TA13620		LmjF17.0190						K01768		BBM_I02320	2		1	1	NA	
BBOV_I002420											BBM_I02325	1		0	0	NA	
	TA03185	PF10_0063	LmjF13.0450								BBM_I02330	3		0	0	NA	
											BBM_I02335	0		0	0	NA	
	TA03190	PF10_0062	LmjF25.1840	YDL165W				K12580	K12605		BBM_I02340	4		2	2	NA	
BBOV_I002440	TA03195	PF10_0061		YDR014W							BBM_I02345	4	api+	0	0	Valid	
BBOV_I002450	TA03200	PF10_0060		YLR307W					K01452		BBM_I02350	4	api+	1	1	Valid	
BBOV_I002470	TA03205			YBR293W							BBM_I02355	3		0	0	NA	
BBOV_I001460	TA08465	PFI0895c									BBM_I02365	3	api	0	0	Valid	
	TA08460	PF14_0179	LmjF10.0620								BBM_I02370	3		0	0	NA	
BBOV_I001480	TA08455	PFD0300w									BBM_I02375	3	api	0	0	Valid	
BBOV_I001490	TA08450	PFD0305c	LmjF28.2430	YBR127C	K02147	K02147	K02147	K02147	K02147		BBM_I02380	5		5	1	K02147	K02147
											BBM_I02385	0		0	0	NA	
BBOV_I001520	TA08435	MAL13P1.190	LmjF27.1460	YER021W	K03033	K03033	K03033	K03033	K03033		BBM_I02390	5		5	1	K03033	K03033
BBOV_I001530	TA08430										BBM_I02395	2	piro	0	0	Valid	
BBOV_I001540	TA08420	PF14_0615	LmjF05.1140	YLR447C	K02146	K02146	K02146	K02146	K02146		BBM_I02405	5		5	1	K02146	K02146
BBOV_I001550	TA08415	PF14_0613		YLR324W							BBM_I02410	4	api+	0	0	Valid	
BBOV_I001560	TA08405	PF14_0608			K11664	K11664					BBM_I02415	3	api	2	1	Valid	

NHP2, NOLA2, H/ACA ribonucleoprotein complex subunit 2	
ATP-dependent Clp protease ATP-binding subunit ClpB	
sentrin-specific protease 1 [EC:3.4.22.-]	
ATP-dependent Clp protease, protease subunit [EC:3.4.21.92]	
splicing factor 3A subunit 3	
fumarate hydratase, class I [EC:4.2.1.2]	
glutamate--cysteine ligase catalytic subunit [EC:6.3.2.2]	
tRNA-dihydrouridine synthase A [EC:1.-.-.-]	
DNA-directed RNA polymerase II subunit C	
FAD synthetase [EC:2.7.7.2]	
UDP-GlcNAc:polypeptide alpha-N-acetylglucosaminyltransferase	
cysteinyl-tRNA synthetase [EC:6.1.1.16]	
V-type H+-transporting ATPase subunit B [EC:3.6.3.14]	
26S proteasome regulatory subunit N3	
V-type H+-transporting ATPase subunit AC39 [EC:3.6.3.14]	

BBOV_I004630	TA12355	PFC0886w								BBM_I04050	3	api	0	0	Valid		
BBOV_I003750	TA20705	PF08_0034		YGR252W	K06062	K06062	K06062		K06062	BBM_I04055	4	api+	4	1	K06062	K06062	histone acetyltransferase [EC:2.3.1.48]
BBOV_I003740	TA20700	PFC0245c	LmjF05.1070	YDR141C						BBM_I04060	5		0	0	Valid		
BBOV_I003730	TA20695	PF08_0033		YML103C					K14311	BBM_I04070	4	api+	1	1	Valid		
BBOV_I003720	TA20690	PFL1050w								BBM_I04075	3	api	0	0	Valid		
										BBM_I04080	0		0	0	NA		
BBOV_I003700	TA20680	PF13_0241		YGR101W					K09650	BBM_I04085	4	api+	1	1	Valid		
	TA20675									BBM_I04090	1		1	1	NA		
BBOV_I003630	TA20635	MAL13P1.390			K00605	K00605				BBM_I04095	3	api	2	1	Valid		
BBOV_I003640	TA20640									BBM_I04100	2	piro	0	0	Valid		
BBOV_I003650	TA20645	MAL13P1.405		YIL030C					K10661	BBM_I04110	4	api+	1	1	Valid		
										BBM_I04115	0		0	0	NA		
BBOV_I003660	TA20650	MAL13P1.221	LmjF16.0540		K00609	K00609	K00609	K00609		BBM_I04120	4	api+	4	1	K00609	K00609	aspartate carbamoyltransferase catalytic subunit [EC:2.1.3.2]
		PFL1205c								BBM_I04125	1		0	0	NA		
										BBM_I04130	0		0	0	NA		
BBOV_I003670	TA20660			YMR317W						BBM_I04135	3		0	0	NA		
BBOV_I003680	TA20665	MAL13P1.219	LmjF30.0640							BBM_I04140	4	api+	0	0	Valid		
BBOV_I003570	TA20600	MAL13P1.217	LmjF30.0100							BBM_I04145	4	api+	0	0	Valid		
BBOV_I003580	TA20605	MAL13P1.218	LmjF33.2520	YDL103C	K00972	K00972	K00972	K00972	K00972	BBM_I04150	5		5	1	K00972	K00972	UDP-N-acetylglucosamine pyrophosphorylase [EC:2.7.7.23]
BBOV_I003590	TA20610	PF13_0238								BBM_I04155	3	api	0	0	Valid		
BBOV_I003600	TA20620	MAL13P1.380								BBM_I04160	3	api	0	0	Valid		
BBOV_I003610	TA20625	MAL13P1.385		YPR178W	K12662	K12662		K12662		BBM_I04165	4	api+	3	1	K12662	K12662	U4/U6 small nuclear ribonucleoprotein PRP4
BBOV_I003560	TA20595	PF13_0235		YER093C						BBM_I04170	4	api+	0	0	Valid		
BBOV_I003550	TA20590	PF13_0234	LmjF27.1805	YKR097W	K01610	K01610	K01610	K01610	K01610	BBM_I04175	5		5	1	K01610	K01610	phosphoenolpyruvate carboxykinase (ATP) [EC:4.1.1.49]
BBOV_I003490	TA20555	PF13_0233								BBM_I04180	3	api	0	0	Valid		
BBOV_I003500	TA20560	MAL13P1.320	P131.02							BBM_I04185	4	api+	0	0	Valid		
BBOV_I003520	TA20575	PF13_0336		YAL021C					K12603	BBM_I04190	4	api+	1	1	Valid		
BBOV_I003530	TA20580	PF13_0315	LmjF25.0520	YGL044C					K14407	BBM_I04195	5		1	1	K14407	K14407	cleavage stimulation factor subunit 2
BBOV_I003540	TA20585	MAL13P1.289	LmjF28.0330	YOL021C	K12585	K12585	K12585	K12585	K12585	BBM_I04200	5		5	1	K12585	K12585	exosome complex exonuclease DIS3/RRP44 [EC:3.1.13.-]
										BBM_I04205	0		0	0	NA		
BBOV_I003470	TA20545	PF13_0316	LmjF33.3150	YDR064W	K02953	K02953	K02953	K02953	K02953	BBM_I04210	5		5	1	K02953	K02953	small subunit ribosomal protein S13e
BBOV_I003460		MAL13P1.294		YGR173W	K06944					BBM_I04215	3		2	1	NA		
BBOV_I003450	TA20540	MAL13P1.292	LmjF35.3160	YDR236C		K00953	K00953			BBM_I04220	5		3	2	NA		
BBOV_I003440	TA20535									BBM_I04225	2	piro	0	0	Valid		
BBOV_I003430	TA03295	MAL8P1.19	LmjF34.2050	YDL031W	K14808	K14808		K14808	K14808	BBM_I04230	5		4	1	K14808	K14808	DDX54, DBP10, ATP-dependent RNA helicase DDX54/DBP10
BBOV_I003420	TA03280	PFE0830c	LmjF22.1240	YOL023W	K02519	K02519	K02519	K02519	K02519	BBM_I04235	5		5	1	K02519	K02519	translation initiation factor IF-2
BBOV_I003370	TA03240	PFC0800w	LmjF05.1040							BBM_I04240	4	api+	0	0	Valid		
BBOV_I003390	TA03255	PF08_0016								BBM_I04245	3	api	0	0	Valid		
				YKL075C						BBM_I04250	1		0	0	NA		
BBOV_I003410	TA03275	PF08_0014								BBM_I04255	3	api	0	0	Valid		
										BBM_I04260	0		0	0	NA	Valid	BMN family (1)
		MAL13P1.334		YBL107C						BBM_I04265	2		0	0	NA	Valid	BMN family (2)
										BBM_I04270	0		0	0	NA	Valid	Tpr related protein, putative
										BBM_I04275	0		0	0	NA	Valid	BMN family (1)
				YNL309W						BBM_I04280	1		0	0	NA	Valid	BMN family (2)
										BBM_I04285	0		0	0	NA		
										BBM_I000005	0		0	0	NA	Valid	BMN family (1)
										BBM_I000010	0		0	0	NA		
										BBM_I000015	0		0	0	NA	Valid	Tpr related protein, putative
			LmjF36.4980							BBM_I000020	1		0	0	NA	Valid	BMN family (2)
BBOV_IV000750	TA20055	PF13_0323	LmjF21.1450	YBR133C	K02516	K02516	K02516	K02516	K02516	BBM_I000025	5		5	1	K02516	K02516	protein arginine N-methyltransferase 5 [EC:2.1.1.125]
BBOV_IV000740	TA20050	PF13_0324	LmjF29.0220	YIL109C					K14007	BBM_I000030	5		1	1	K14007	K14007	protein transport protein SEC24
BBOV_IV000730	TA20045	MAL13P1.304								BBM_I000035	3	api	0	0	Valid		
	TA20030	MAL13P1.307								BBM_I000040	2		0	0	NA		

BBOV_IV000710	TA20025	PF13_0327								BBM_III00045	3	api	0	0	Valid		
BBOV_IV000700	TA20020	MAL13P1.308		YDR197W						BBM_III00050	4	api+	0	0	Valid		
BBOV_I000760	TA15505	PF11_0394								BBM_III00055	3	api	0	0	Valid		
BBOV_I000750	TA15510	PF11_0393	LmjF34.2830	YIL008W	K12161	K12161	K12161	K12161	K12161	BBM_III00060	5		5	1	K12161	K12161	ubiquitin related modifier 1
BBOV_I0007000	TA14495	PFA_0245w								BBM_III00065	3	api	0	0	Valid		
BBOV_IV010560	TA18005	PFA_0120c								BBM_III00070	3	api	0	0	Valid		
BBOV_III004050	TA02635	PF13_0023		YOL005C		K03008	K03008		K03008	BBM_III00075	4	api+	3	1	K03008	K03008	DNA-directed RNA polymerase II subunit J
BBOV_IV000800	TA20065	PF11_0292	LmjF22.0670	YML094W	K04797	K04797		K04797	K04797	BBM_III00080	5		4	1	K04797	K04797	prefoldin alpha subunit
BBOV_I004150	TA14770	MAL13P1.260								BBM_III00085	3	api	0	0	Valid		
										BBM_III00090	0		0	0	NA		
BBOV_I004130	TA14760	PF0980w	LmjF34.0230							BBM_III00095	4	api+	0	0	Valid		
BBOV_I004120	TA14755									BBM_III00100	2	piro	0	0	Valid		
BBOV_I004110	TA14750	PF13_0268	LmjF24.0040	YJL177W	K02880	K02880	K02880	K02880	K02880	BBM_III00105	5		5	1	K02880	K02880	large subunit ribosomal protein L17e
BBOV_I004090	TA14740		LmjF36.1920							BBM_III00110	3		0	0	NA		
BBOV_I004100	TA14745	MAL13P1.259		YPL162C						BBM_III00115	4	api+	0	0	Valid		
BBOV_I004080	TA14735	PF14_0323	LmjF09.0930	YBR109C	K02183	K02183	K02183	K02183	K02183	BBM_III00120	5		5	1	K02183	K02183	calmodulin
BBOV_I004070	TA14720	MAL13P1.256								BBM_III00125	3	api	0	0	Valid		
BBOV_I004020	TA14695	PF14_0221	LmjF05.0460	YNR053C	K14537	K14537	K14537	K14537	K14537	BBM_III00130	5		5	1	K14537	K14537	NUG2, GNL2, nuclear GTP-binding protein
BBOV_I004010	TA14685									BBM_III00135	2	piro	0	0	Valid		
		PFB0395w								BBM_III00140	1		0	0	NA		
BBOV_I004030	TA14700	PFB0391c		YOR340C					K03004	BBM_III00145	4	api+	1	1	Valid		
BBOV_I004040	TA14705	PFB0390w								BBM_III00150	3	api	0	0	Valid		
BBOV_I004050	TA14710	MAL7P1.83	LmjF33.1490							BBM_III00155	4	api+	0	0	Valid		
BBOV_I004060	TA14715	MAL13P1.257		YCR090C						BBM_III00160	4	api+	0	0	Valid		
BBOV_I000770	TA15475	PF11_0395				K01769	K01769			BBM_III00165	3	api	2	1	Valid		
	TA15465			YDR165W						BBM_III00170	2		0	0	NA		
BBOV_I000780	TA15470		LmjF26.1850	YBR021W						BBM_III00175	4		0	0	NA		
										BBM_III00180	0		0	0	NA		
			L302.09							BBM_III00185	1		0	0	NA		
BBOV_IV011280	TA09585	PF00785c								BBM_III00190	3	api	0	0	Valid		
BBOV_III000770	TA18175	PF11_0382								BBM_III00195	3	api	0	0	Valid		
BBOV_I004240	TA14805	PFE0100w	LmjF31.2890	YMR231W						BBM_III00200	5		0	0	Valid		
BBOV_IV011540	TA16615	PF11_0384	LmjF34.0050							BBM_III00205	4	api+	0	0	Valid		
BBOV_IV011520	TA16620	PF11_0380		YMR161W	K09518	K09518		K09518		BBM_III00210	4	api+	3	1	K09518	K09518	DnaJ homolog subfamily B member 12
BBOV_IV011530				YLR015W	K14964			K14967		BBM_III00215	2		2	2	NA		
BBOV_I004180		MAL13P1.12								BBM_III00220	2		0	0	NA		
BBOV_I004190	TA14790				K04345	K04345				BBM_III00225	2	piro	2	1	K04345	K04345	protein kinase A [EC:2.7.11.11]
BBOV_I004200	TA14795	PFB0860c	LmjF36.1850	YHR065C	K14777	K14777	K14777	K14777	K14777	BBM_III00230	5		5	1	K14777	K14777	DDX47, RRP3, ATP-dependent RNA helicase DDX47/RRP3 [EC:3.6.4.13]
BBOV_I004230	TA14800	PFB0865w	LmjF33.3190	YLR275W	K11096	K11096	K11096	K11096	K11096	BBM_III00235	5		5	1	K11096	K11096	small nuclear ribonucleoprotein D2
BBOV_I003770	TA20715	PF14_0198	LmjF36.3840	YBR121C	K01880	K01880	K01880	K01880	K01880	BBM_III00240	5		5	1	K01880	K01880	glycyl-tRNA synthetase [EC:6.1.1.14]
BBOV_I003790	TA20725	MAL13P1.226	LmjF27.0270							BBM_III00245	4	api+	0	0	Valid		
BBOV_I003810	TA20735	PF14_0254	LmjF33.0410	YOL090W	K08735	K08735	K08735	K08735	K08735	BBM_III00250	5		5	1	K08735	K08735	DNA mismatch repair protein MSH2
			LmjF13.1650	YLR352W						BBM_III00255	2		0	0	NA	Valid	BMN family (2)
		PF14_0541					K01507			BBM_III00260	1		1	1	NA		
BBOV_I000740	TA15515		LmjF25.1320	YDL188C	K04382	K04382		K04382	K04382	BBM_III00265	4		4	1	K04382	K04382	protein phosphatase 2 (formerly 2A), catalytic subunit [EC:3.1.3.16]
	TA15535	PF11_0409								BBM_III00270	2		0	0	NA		
BBOV_I000710	TA15545	PF11_0396	LmjF32.1690	YBL056W	K01090	K01090	K01090	K14803	K14803	BBM_III00275	5		5	2	K01090	K01090	protein phosphatase [EC:3.1.3.16]
BBOV_I000700	TA15573	PF11_0386	LmjF36.4070	YPR166C	K02954	K02954	K02954			BBM_III00280	5		3	1	K02954	K02954	small subunit ribosomal protein S14
				YMR218C						BBM_III00285	1		0	0	NA		
BBOV_I000680	TA15585	PF11_0407	LmjF21.0420	YDR376W	K00528	K00528	K00528	K00528	K00528	BBM_III00290	5		5	1	K00528	K00528	ferredoxin--NADP+ reductase [EC:1.18.1.2]
										BBM_III00295	0		0	0	NA		
BBOV_I000630			LmjF36.5200							BBM_III00300	2		0	0	NA		
BBOV_I000640	TA15600	PFL0490c	LmjF35.1950	YNL315C		K07555	K07555		K07555	BBM_III00305	5		3	1	K07555	K07555	ATP synthase mitochondrial F1 complex assembly factor 1
BBOV_I000650	TA15610	PFL0485w	LmjF36.5040	YLR459W					K05293	BBM_III00310	5		1	1	K05293	K05293	phosphatidylinositol glycan, class U

BBOV_IV010180	TA02935	PF14_0215	LmjF15.1410	YOL013C				K10601	K10601	K10601	BBM_III01120	5		3	1	K10601	K10601
BBOV_IV010190	TA02940	PF07_0046		YDR116C							BBM_III01125	4	api+	0	0	Valid	
BBOV_IV010200	TA02965	PF14_0205	LmjF34.0440	YLR333C	K02975	K02975	K02975	K02975	K02975	K02975	BBM_III01130	5		5	1	K02975	K02975
BBOV_IV011150	TA02970	PF14_0207	LmjF29.1320	YNR003C	K03025	K03025	K03025			K03025	BBM_III01135	5		4	1	K03025	K03025
		PFB0255w									BBM_III01140	1		0	0	NA	
		PF11_0347									BBM_III01145	1		0	0	NA	
				YOR208W						K01104	BBM_III01150	1		1	1	NA	
BBOV_IV011240	TA02975										BBM_III01155	2	piro	0	0	Valid	
BBOV_IV011230	TA02980	PF11_0344			K13845	K13845	K13845				BBM_III01160	3	api	3	1	K13845	K13845
BBOV_IV011220	TA02985	PF11_0343	LmjF09.1020	YCR094W							BBM_III01165	5		0	0	Valid	
BBOV_IV011210	TA02990	PF11_0342									BBM_III01170	3	api	0	0	Valid	
BBOV_IV011190	TA03005	PFB0250w	LmjF35.4940	YGL233W							BBM_III01175	5		0	0	Valid	
BBOV_IV011180	TA03010										BBM_III01180	2	piro	0	0	Valid	
BBOV_IV011160	TA03020				K12813						BBM_III01185	2	piro	1	1	Valid	
BBOV_IV002910	TA03030	PFA_0335w	LmjF13.0220	YOR089C	K07976	K07976	K07976	K07976	K07976	K07976	BBM_III01190	5		5	1	K07976	K07976
BBOV_IV002900	TA03035	PFIO655c									BBM_III01195	3	api	0	0	Valid	
BBOV_IV002890		PF11_0199	LmjF35.2360								BBM_III01200	3		0	0	NA	
BBOV_IV002880	TA03045	PF13_0236	LmjF05.1010	YOL124C							BBM_III01205	5		0	0	Valid	
BBOV_IV002920	TA03050	PF10_0087	LmjF31.1610	YLR172C	K00586	K00586	K00586	K00586	K00586	K00586	BBM_III01210	5		5	1	K00586	K00586
BBOV_IV002930	TA03055	PF10_0086	LmjF34.0110	YDR226W	K00939	K00939	K00939	K00939	K00939	K00939	BBM_III01215	5		5	1	K00939	K00939
BBOV_IV002940	TA03065	PF10_0091	LmjF30.0260	YJL056C							BBM_III01220	5		0	0	Valid	
BBOV_IV002950		PF10_0090									BBM_III01225	2		0	0	NA	
BBOV_IV002960	TA03070	PFD0290w	LmjF36.5910	YNL055C							BBM_III01230	5		0	0	Valid	
											BBM_III01235	0		0	0	NA	
BBOV_IV002970	TA03075	PFE0305w	LmjF19.1390	YER148W	K03120	K03120	K03120	K03120	K03120	K03120	BBM_III01240	5		5	1	K03120	K03120
		PFE0310c	LmjF36.1570								BBM_III01245	2		0	0	NA	
BBOV_IV002990		PFL1485w									BBM_III01250	2		0	0	NA	
BBOV_IV003000	TA03095	PF10_0236									BBM_III01255	3	api	0	0	Valid	
				YOR368W					K02830		BBM_III01260	1		1	1	NA	
BBOV_IV003030	TA17065	PF10_0327	LmjF17.0710	YMR213W	K12860	K12860	K12860	K12860	K12860	K12860	BBM_III01265	5		5	1	K12860	K12860
BBOV_IV003040	TA17070	PF10_0240		YNL173C							BBM_III01270	4	api+	0	0	Valid	
		PF11_0301					K00797				BBM_III01275	1		1	1	NA	
BBOV_IV003050	TA17075	PF10_0241		YJL109C					K14550		BBM_III01280	4	api+	1	1	Valid	
											BBM_III01285	0		0	0	NA	
											BBM_III01287					Valid	
BBOV_IV003080	TA17080	PF11_0117	LmjF36.6710	YBR087W	K10756	K10756	K10756	K10756	K10756	K10756	BBM_III01290	5		5	1	K10756	K10756
BBOV_IV003100	TA17090	PF11_0049	LmjF21.0800	YCR093W	K12604	K12604	K12604	K12604	K12604	K12604	BBM_III01295	5		5	1	K12604	K12604
BBOV_IV003110	TA17095	PFI1480w		YKL084W							BBM_III01300	4	api+	0	0	Valid	
		PFIO915w									BBM_III01305	1		0	0	NA	
			LmjF35.2140								BBM_III01310	1		0	0	NA	
BBOV_IV003140	TA16145	PFIO935w		YER060W-A							BBM_III01315	4	api+	0	0	Valid	
				YBR110W					K03842		BBM_III01320	1		1	1	NA	
BBOV_IV003160	TA16150	MAL13P1.329		YKR088C							BBM_III01325	4	api+	0	0	Valid	
	TA16155	MAL13P1.328									BBM_III01330	2		0	0	NA	
BBOV_IV003170	TA16160	PFB0210c	LmjF24.0680	YFL011W			K08139		K08139		BBM_III01335	5		2	1	K08139	K08139
BBOV_IV010030	TA06690	PFL0585w	LmjF36.3530	YLL039C	K08770	K04551	K08770	K08770	K08770	K08770	BBM_III01340	5		5	2	K08770	K08770
BBOV_IV003200	TA16170	MAL7P1.86	LmjF36.3510	YKL028W					K03136		BBM_III01345	5		1	1	K03136	K03136
BBOV_IV003320	TA16270	MAL7P1.77									BBM_III01350	3	api	0	0	Valid	
BBOV_IV003300	TA16265	MAL7P1.76	LmjF34.3550	YOL022C	K14801	K14801		K14801	K14801	K14801	BBM_III01355	5		4	1	K14801	K14801
	TA16260	MAL13P1.242									BBM_III01360	2		0	0	NA	
BBOV_IV003290	TA16255				K03234	K03234					BBM_III01365	2	piro	2	1	K03234	K03234
BBOV_IV003280	TA16250	PFD0285c	LmjF24.1770				K01582	K14475			BBM_III01370	4	api+	2	2	Valid	
BBOV_IV003270	TA16235	PFI0930c			K11290	K11290	K11290				BBM_III01375	3	api	3	1	K11290	K11290
BBOV_IV003230	TA06060	PFL1270w	LmjF28.1370		K07024				K07024		BBM_III01380	4	api+	2	1	Valid	

E3 ubiquitin-protein ligase synoviolin [EC:6.3.2.19]
small subunit ribosomal protein S25e
DNA-directed RNA polymerase III subunit C34 [EC:2.7.7.6]
apical merozoite antigen 1
Rab family, other
diphthine synthase [EC:2.1.1.98]
adenylate kinase [EC:2.7.4.3]
transcription initiation factor TFIID TATA-box-binding protein
pre-mRNA-splicing factor CDC5/CEF1
tRNA, Leu, anticodon CAG
replication factor C subunit 3/5
CCR4-NOT transcription complex subunit 1
MFS transporter, SP family, sugar:H+ symporter
ubiquitin C
transcription initiation factor TFIIE alpha subunit
TSR4, pre-rRNA-processing protein TSR4
elongation factor EF-2 [EC:3.6.5.3]
template-activating factor I

BBOV_IV010580	TA06705	PF14_0049	LmjF35.2880	YJL146W							BBM_III03485	5		0	0	Valid	
BBOV_IV010630	TA06720	PF13_0305	LmjF17.0086	YPR080W	K03231	K03231	K03231	K03231	K03231		BBM_III03490	5		5	1	K03231	K03231
BBOV_IV010640	TA06725	MAL13P1.281		YOL033W	K01885	K01885	K01885	K01885	K01885		BBM_III03495	4	api+	4	1	K01885	K01885
BBOV_IV010650	TA06730	MAL13P1.279	LmjF21.1080	YBR160W		K04563	K04563	K00924	K04563		BBM_III03500	5		4	2	NA	
BBOV_IV010660		PFA_0250w									BBM_III03505	2		0	0	NA	
BBOV_IV010670		MAL13P1.277									BBM_III03510	2		0	0	NA	
BBOV_IV010680	TA06735	PF13_0303									BBM_III03515	3	api	0	0	Valid	
BBOV_IV010690	TA06750	MAL7P1.91					K08282				BBM_III03520	3	api	1	1	Valid	
											BBM_III03525	0		0	0	NA	
BBOV_IV010700	TA06755	PF13_0301		YDR177W	K04649	K04649	K04649		K04649		BBM_III03530	4	api+	4	1	K04649	K04649
BBOV_IV010710	TA06760	PF13_0300		YNR017W							BBM_III03535	4	api+	0	0	Valid	
BBOV_IV010720	TA06765				K12183						BBM_III03540	2	piro	1	1	Valid	
	TA06770	PF07_0036									BBM_III03545	2		0	0	NA	Valid
											BBM_III03550	0		0	0	NA	
											BBM_III03555	0		0	0	NA	
BBOV_IV010750	TA06785		LmjF33.0200								BBM_III03560	3		0	0	NA	
											BBM_III03565	0		0	0	NA	
BBOV_IV010760	TA06790	PF13_0310	LmjF28.0720	YDL153C	K14767	K14767	K14767	K14767	K14767		BBM_III03570	5		5	1	K14767	K14767
BBOV_IV010770	TA06795	PF11_0158									BBM_III03575	3	api	0	0	Valid	
BBOV_IV010780		PF11_0159									BBM_III03580	2		0	0	NA	
BBOV_IV010790		PF11_0535									BBM_III03585	2		0	0	NA	
BBOV_IV010800	TA06810	PF11_0196									BBM_III03590	3	api	0	0	Valid	
BBOV_IV010810	TA06815	PF11_0197	LmjF03.0800					K01112			BBM_III03595	4	api+	1	1	Valid	
BBOV_IV010830	TA06820	PF11_0160		YHR207C					K07117		BBM_III03600	4	api+	1	1	Valid	
BBOV_IV010840	TA06825	PF11_0191	LmjF10.0210	YLR197W	K14564	K14564	K14564	K14564	K14564		BBM_III03605	5		5	1	K14564	K14564
BBOV_IV010870	TA06840	PF11_0189		YOL098C		K06972	K06972				BBM_III03610	4	api+	3	1	K06972	K06972
BBOV_IV010860	TA06835	PF11_0192	LmjF14.0140	YOR244W		K00653			K11304		BBM_III03615	5		2	2	NA	
											BBM_III03620	0		0	0	NA	
BBOV_IV010880	TA06845	PF11_0188	LmjF33.2390		K09488	K09488		K09488			BBM_III03625	4	api+	3	1	K09488	K09488
BBOV_IV010890	TA06850	PF11_0187	LmjF29.1440	YLR170C							BBM_III03630	5		0	0	Valid	
			LmjF31.1540	YJL207C							BBM_III03635	2		0	0	NA	
BBOV_IV010910	TA06860	PF11_0184	LmjF24.1420	YMR167W	K08734	K08734	K08734	K08734	K08734		BBM_III03640	5		5	1	K08734	K08734
BBOV_IV010920	TA06865	PF11_0183	LmjF25.1420	YOR185C	K07936	K07936	K07936	K07936	K07936		BBM_III03645	5		5	1	K07936	K07936
BBOV_IV010930	TA06870	PFD1115c									BBM_III03650	3	api	0	0	Valid	
		MAL13P1.170		YOL115W			K03514		K03514		BBM_III03655	2		2	1	NA	
	TA06875	PF08_0009					K03239				BBM_III03660	2		1	1	NA	
		PFF1410c	LmjF30.3110					K01611			BBM_III03665	2		1	1	NA	
BBOV_IV010950	TA06885	PF11_0181	LmjF32.0950	YPL097W	K01866	K01866	K01866		K01866		BBM_III03670	5		4	1	K01866	K01866
BBOV_IV010960	TA06890	PFD1110w									BBM_III03675	3	api	0	0	Valid	
		PFA_0020w	LmjF33.0790								BBM_III03680	2		0	0	NA	
BBOV_IV010980	TA06910	PFD1090c			K12403	K12403	K12403				BBM_III03685	3	api	3	1	K12403	K12403
											BBM_III03690	0		0	0	NA	
BBOV_IV010990	TA06920	PFD1070w	LmjF28.1530	YDR021W	K13025	K13025	K13025	K13025	K13025		BBM_III03695	5		5	1	K13025	K13025
BBOV_IV011000	TA06925	MAL13P1.311									BBM_III03700	3	api	0	0	Valid	
		PF11295c									BBM_III03705	1		0	0	NA	
											BBM_III03710	0		0	0	NA	
BBOV_IV011040	TA06950	PF13_0149	LmjF30.0950	YEL056W	K10752				K10752		BBM_III03715	5		2	1	K10752	K10752
BBOV_IV011050	TA06960	MAL13P1.148	LmjF32.3870	YOR326W			K01553				BBM_III03720	5		1	1	K01553	K01553
											BBM_III03722					Valid	
BBOV_IV011070	TA06965	PF10_0132	LmjF30.2950	YPL268W		K01116	K01116	K05857	K01116		BBM_III03725	5		4	2	NA	
BBOV_IV011100	TA06985	PF10_0243		YIL144W					K11547		BBM_III03730	4	api+	1	1	Valid	
BBOV_IV011120	TA06990	PF08_0127	LmjF32.0150	YML093W		K14567		K14567			BBM_III03735	5		3	1	K14567	K14567
BBOV_IV011130	TA06995	PF10_0143		YDR448W	K11314	K11314	K11314		K11314		BBM_III03740	4	api+	4	1	K11314	K11314
				YKR004C							BBM_III03745	1		0	0	NA	

																		elongation factor EF-1 alpha subunit [EC:3.6.5.3]
																		glutamyl-tRNA synthetase [EC:6.1.1.17]
																		ubiquitin-conjugating enzyme (huntingtin interacting protein 2)
																		glutaredoxin-like protein / Cg6 protein
																		UTP3, SAS10, U3 small nucleolar RNA-associated protein 3
																		NOP56, nucleolar protein 56
																		TNF receptor-associated protein 1
																		tyrosyl-tRNA synthetase [EC:6.1.1.1]
																		AP-4 complex subunit sigma-1
																		EIF4A3, FAL1, ATP-dependent RNA helicase [EC:3.6.4.13]
																		histone-binding protein RBBP4
																		myosin ATPase [EC:3.6.4.1]
																		tRNA, Gly, antodon CCC
																		UTP14, U3 small nucleolar RNA-associated protein 14
																		transcriptional adapter 2-alpha

BBOV_IV010230	TA07000	PF10_0141			K02202	K02202	K02202			BBM_III03750	3	api	3	1	K02202	K02202	cyclin-dependent kinase 7 [EC:2.7.11.22]
BBOV_IV010250	TA07005	PF10_0140		YGL227W						BBM_III03755	4	api+	0	0	Valid		
BBOV_IV010260	TA07010	PF10_0324								BBM_III03760	3	api	0	0	Valid		
BBOV_IV010270	TA07015	PF10_0328		YLR399C					K11684	BBM_III03765	4	api+	1	1	Valid		
BBOV_IV009850	TA07020	PF10_0169	LmjF36.1960	YFL045C	K01840	K01840	K01840	K01840	K01840	BBM_III03770	5		5	1	K01840	K01840	phosphomannomutase [EC:5.4.2.8]
	TA05660	PF14_0689		YGR172C						BBM_III03772	3		0	0	NA		
BBOV_IV009810	TA05665	PF10625c	LmjF36.5780	YOL144W	K03256				K14836	BBM_III03780	5		2	2	NA		
	TA05715	PF11_0059	LmjF15.0870							BBM_III03785	3		0	0	NA		
BBOV_IV009720	TA05710	PF11_0108	LmjF32.2490	YBR055C	K12855	K12855	K12855		K12855	BBM_III03790	5		4	1	K12855	K12855	pre-mRNA-processing factor 6
BBOV_IV009730	TA05700									BBM_III03795	2	piro	0	0	Valid		
BBOV_IV009740	TA05695	PF11_0112	LmjF21.0470	YJL154C						BBM_III03800	5		0	0	Valid		
BBOV_IV009800	TA05670	PF11_0113	LmjF27.2220	YNL185C						BBM_III03805	5		0	0	Valid		
BBOV_IV009790	TA05675	PF11_0114								BBM_III03810	3	api	0	0	Valid		
BBOV_IV009780	TA05680	PF11_0115			K13118	K13118				BBM_III03815	3	api	2	1	Valid		
BBOV_IV009760	TA05690	PF14_0253	LmjF26.1230	YLR413W						BBM_III03820	5		0	0	Valid		
										BBM_III03825	0		0	0	NA		
BBOV_III004210										BBM_III03830	1		0	0	NA		
BBOV_IV009690	TA05720	PF13_0358	LmjF24.0720	YEL020W-A						BBM_III03835	5		0	0	Valid		
BBOV_IV009680	TA05725	PF13_0357								BBM_III03840	3	api	0	0	Valid		
BBOV_IV009670	TA05730		LmjF36.6920		K14775					BBM_III03845	3		1	1	NA		
BBOV_IV009660	TA05735	PF10_0329				K01386	K01386			BBM_III03850	3	api	2	1	Valid		
BBOV_IV009650	TA05740	PF10_0330	LmjF32.0700	YEL012W	K10576	K10576	K10576	K10576	K10576	BBM_III03855	5		5	1	K10576	K10576	ubiquitin-conjugating enzyme E2 H [EC:6.3.2.19]
BBOV_IV009640	TA05745	PF08_0126	LmjF24.0760	YGL163C	K10875	K10875	K10875	K10877	K10875	BBM_III03860	5		5	2	K10875	K10875	DNA repair and recombination protein RAD54 and RAD54-like protein
BBOV_IV009630	TA05750	PF14_0411		YER146W	K12624	K12624	K12624		K12624	BBM_III03865	4	api+	4	1	K12624	K12624	U6 snRNA-associated 5m-like protein LSm5
			LmjF21.1710	YNR063W					K02267	BBM_III03870	2		1	1	NA		
BBOV_IV009610	TA05765	PF08_0020		YDL190C					K10597	BBM_III03875	4	api+	1	1	Valid		
BBOV_IV009600	TA05785	PFE0465c			K02999	K02999	K02999			BBM_III03880	3	api	3	1	K02999	K02999	DNA-directed RNA polymerase I subunit A1 [EC:2.7.7.6]
BBOV_IV009590	TA05790	PFL2140c	LmjF32.1230	YDL226C	K12492			K12492	K12492	BBM_III03885	5		3	1	K12492	K12492	ADP-ribosylation factor GTPase-activating protein 1
BBOV_IV009580		PF14_0415	LmjF22.1530	YDR1296C	K00859		K00859		K00859	BBM_III03890	4		4	1	K00859	K00859	dephospho-CoA kinase [EC:2.7.1.24]
BBOV_IV009570	TA05795	PF14_0416	LmjF23.0280	YLR323C	K13127	K13127	K13127		K13127	BBM_III03895	5		4	1	K13127	K13127	RING finger protein 113A
BBOV_IV009560	TA05800	PF14_0652	LmjF32.1740							BBM_III03900	4	api+	0	0	Valid		
BBOV_IV009550	TA05805	PFE0505w			K12736	K12736	K12736			BBM_III03905	3	api	3	1	K12736	K12736	peptidylprolyl isomerase domain and WD repeat-containing protein 1
BBOV_IV009540	TA05810	PFE0470w								BBM_III03910	3	api	0	0	Valid		
	TA05825					K01893				BBM_III03915	1		1	1	NA		
BBOV_IV009520	TA05835	PFE0485w	LmjF34.3590	YNL267W	K00888	K00888	K00888	K00888	K00888	BBM_III03920	5		5	1	K00888	K00888	phosphatidylinositol 4-kinase [EC:2.7.1.67]
BBOV_IV009510	TA05840	PFE0490w								BBM_III03925	3	api	0	0	Valid		
BBOV_IV009500	TA05845				K14806	K14806				BBM_III03930	2	piro	2	1	K14806	K14806	DDX31, DBP7, ATP-dependent RNA helicase DDX31/DBP7 [EC:3.6.4.13]
BBOV_IV009490	TA05850	PF14_0706								BBM_III03935	3	api	0	0	Valid		
BBOV_IV009470	TA05855									BBM_III03940	2	piro	0	0	Valid		
BBOV_IV009460	TA05860		LmjF36.4100							BBM_III03945	3		0	0	NA		
BBOV_IV009450	TA05865	MAL7P1.157a		YNL286W	K13093	K13093			K13093	BBM_III03950	4	api+	3	1	K13093	K13093	HIV Tat-specific factor 1
BBOV_IV009440		MAL7P1.158		YKL054C	K03109		K03109			BBM_III03955	3		2	1	NA		
BBOV_IV009430	TA05875	PF07_0121	LmjF26.0970	YHR170W	K07562	K07562	K07562	K07562	K07562	BBM_III03960	5		5	1	K07562	K07562	NMD3, nonsense-mediated mRNA decay protein 3
BBOV_IV009420	TA05880	PF07_0122	LmjF20.1670	YOL077C	K14820	K14820	K14820	K14820	K14820	BBM_III03965	5		5	1	K14820	K14820	BRX1, BRX1, ribosome biogenesis protein BRX1
BBOV_IV009410	TA05885	PF10415c	LmjF02.0380	YBR061C	K02427	K02427	K02427	K14864	K14864	BBM_III03970	5		5	2	K02427	K02427	rlmE, rrmJ, ftsJ, ribosomal RNA large subunit methyltransferase E
BBOV_IV009400	TA05890	MAL7P1.164								BBM_III03975	3	api	0	0	Valid		
BBOV_IV009370	TA05905	MAL7P1.155		YDR255C						BBM_III03980	4	api+	0	0	Valid		
BBOV_IV009360	TA05910	PF14_0479	LmjF30.1230	YDR266C						BBM_III03985	5		0	0	Valid		
BBOV_IV009350	TA05915	PF14_0478	LmjF34.2670	YPR048W					K00327	BBM_III03990	5		1	1	K00327	K00327	NADPH-ferrihemoprotein reductase [EC:1.6.2.4]
BBOV_IV009340										BBM_III03995	1		0	0	NA		
BBOV_IV009320	TA05930	PF14_0480		YIL105C						BBM_III04000	4	api+	0	0	Valid		
BBOV_IV009290	TA05950	PF10_0081	LmjF13.1090	YDL007W	K03062	K03062	K03062	K03062	K03062	BBM_III04005	5		5	1	K03062	K03062	26S proteasome regulatory subunit T2
BBOV_IV009300	TA05940		LmjF28.1410	YMR065W						BBM_III04010	4		0	0	NA		
BBOV_IV009310	TA05935	PF11_0074				K12618	K12618			BBM_III04015	3	api	2	1	Valid		

BBOV_IV002730	TA04200	PF07_0115	LmjF07.1050	YEL031W	K14950	K14950	K14950	K14950	K14950	BBM_III04820	5		5	1	K14950	K14950	ATP13A1
BBOV_IV003360	TA03235	PFC0805w	LmjF31.2610	YDL140C	K03006	K03006	K03006	K03006	K03006	BBM_III04825	5		5	1	K03006	K03006	DNA-directed RNA polymerase II subunit A [EC:2.7.7.6]
										BBM_III04830	0		0	0			
		PF08_0141		YLR017W			K13850		K00772	BBM_III04840	2		2	2	NA	Valid	BMN family (2)
BBOV_IV001400			LmjF35.0950	YCR043C						BBM_III04845	2		0	0	NA	Valid	Tpr related protein, putative
										BBM_III04850	1		0	0	NA	Valid	BMN family (1)
				YDR310C					K12779	BBM_III04855	1		1	1	NA	Valid	BMN family (2)
BBOV_IV006020		PFC0395w	LmjF29.1490	YGR124W				K01953	K01953	BBM_III04860	4		2	1	NA	K01953	asparagine synthase (glutamine-hydrolysing) [EC:6.3.5.4]
										BBM_III04865	0		0	0	NA		
BBOV_III011790	TA17020	PF13_0229	LmjF18.0510	YLR304C	K01681	K01681	K01681	K01681	K01681	BBM_III04870	5		5	1	K01681	K01681	aconitate hydratase 1 [EC:4.2.1.3]
			LmjF34.1080							BBM_III04875	1		0	0	NA		
BBOV_III004640	TA15200	MAL13P1.209	LmjF36.4510	YOL120C	K02883	K02883	K02883	K02883	K02883	BBM_III04880	5		5	1	K02883	K02883	large subunit ribosomal protein L18e
BBOV_III004650	TA13470	PF13_0227	LmjF35.0700	YEL051W	K02149	K02149	K02149	K02149	K02149	BBM_III04885	5		5	1	K02149	K02149	V-type H ⁺ -transporting ATPase subunit D [EC:3.6.3.14]
BBOV_III004660	TA13460	PF13_0228	LmjF21.1780	YPL090C	K02991	K02991	K02991	K02991	K02991	BBM_III04890	5		5	1	K02991	K02991	small subunit ribosomal protein S6e
BBOV_III004680	TA13450	PF14_0509								BBM_III04895	3	api	0	0	Valid		
BBOV_III011830		PF14_0506a	LmjF35.2510	YER074W-A						BBM_III04900	4		0	0	NA		
										BBM_III04905	0		0	0	NA		
BBOV_III011110	TA11705	PF13_0290								BBM_III04910	3	api	0	0	Valid		
BBOV_III006180	TA16940		LmjF35.2900							BBM_III04915	3		0	0	NA		
BBOV_III004630	TA15210	PF13_0224	LmjF32.0880	YOR312C	K02882	K02882	K02882	K02882	K02882	BBM_III04920	5		5	1	K02882	K02882	large subunit ribosomal protein L18Ae
										BBM_III04925	1		0	0	NA		
BBOV_III004690	TA13440	PF13_0167		YOR123C						BBM_III04930	4	api+	0	0	Valid		
										BBM_III04935	0		0	0	NA		
BBOV_IV003940	TA16945		LmjF09.1420	YDR026C					K09424	BBM_III04940	4		1	1	NA		
BBOV_IV003950										BBM_III04945	1		0	0	NA		
										BBM_III04950	1		0	0	NA		
BBOV_IV003930	TA16950									BBM_III04955	2	piro	0	0	Valid		
BBOV_III011840	TA17035	PF13_0257	LmjF30.3240	YGL245W	K01885	K01885	K01885	K01885	K01885	BBM_III04960	5		5	1	K01885	K01885	glutamyl-tRNA synthetase [EC:6.1.1.17]
BBOV_IV001510		PFB0467w								BBM_III04965	2		0	0	NA		
BBOV_IV001500	TA20185		LmjF28.2650	YIL085C					K03854	BBM_III04970	4		1	1	NA		
			LmjF31.3170							BBM_III04975	1		0	0	NA		
BBOV_IV001490	TA20195	PF14_0468								BBM_III04980	3	api	0	0	Valid		
BBOV_IV001480	TA20200	PF07_0112	LmjF21.1830	YGR253C	K02729	K02729	K02729	K02729	K02729	BBM_III04985	5		5	1	K02729	K02729	20S proteasome subunit alpha 5 [EC:3.4.25.1]
										BBM_III04990	1		0	0	NA		
BBOV_IV002820	TA04140	PF14_0474		YER039C-A						BBM_III04995	4	api+	0	0	Valid		
BBOV_IV002810	TA04155	PFB0420w			K01770	K01770	K01770			BBM_III05000	3	api	3	1	K01770	K01770	2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase [EC:4.6.1.12]
			LmjF22.1700	YML054C-A						BBM_III05005	3		0	0	NA		
BBOV_III009830	TA16865		LmjF21.1690							BBM_III05010	3		0	0	NA		
BBOV_III009840	TA10750			YOR249C					K03352	BBM_III05015	3		1	1	NA		
BBOV_III009850	TA10745									BBM_III05020	2	piro	0	0	Valid		
BBOV_III009870	TA10585									BBM_III05025	2	piro	0	0	Valid		
										BBM_III05030	1		0	0	NA		
BBOV_III009920	TA10195	PF13_0341	LmjF18.0780	YBR154C	K03013	K03013	K03013	K03013	K03013	BBM_III05035	5		5	1	K03013	K03013	DNA-directed RNA polymerase II subunit E
BBOV_III003870	TA15060	PF10325c	LmjF09.0720	YLR136C					K14404	BBM_III05040	5		1	1	K14404	K14404	cleavage and polyadenylation specificity factor subunit 4
BBOV_III009890	TA10310	MAL8P1.95	LmjF07.0980	YOR134W					K11276	BBM_III05045	5		1	1	K11276	K11276	nucleophosmin 1
BBOV_III009900	TA10305	MAL13P1.327								BBM_III05050	3	api	0	0	Valid		
BBOV_III009910	TA10200	PF13_0342								BBM_III05055	3	api	0	0	Valid		
BBOV_III009880	TA10365	PF08_0087	LmjF30.1120	YNL189W						BBM_III05060	5		0	0	Valid		
BBOV_IV000120	TA19335	PF13_0340	LmjF22.1580	YDR280W	K03678	K03678	K01149	K03678	K03678	BBM_III05065	5		5	2	K03678	K03678	exosome complex component RRP45
										BBM_III05070	0		0	0	NA		
BBOV_IV000130	TA15960	MAL13P1.324	LmjF31.2880	YPL088W						BBM_III05075	5		0	0	Valid		
			LmjF21.0825	YIL149C					K09291	BBM_III05080	3		1	1	NA		
			LmjF32.0140							BBM_III05085	1		0	0	NA		
				YPL113C						BBM_III05090	1		0	0	NA		

BBOV_IV002560	TA04320	MAL13P1.322		YKR086W	K12815	K12815	K12815		K12815	BBM_III05095	4	api+	4	1	K12815	K12815	pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16
BBOV_IV002550	TA04325	MAL13P1.346	LmjF08.0140	YPL022W	K10848	K10848	K10848	K10848	K10848	BBM_III05100	5		5	1	K10848	K10848	DNA excision repair protein ERCC-4 [EC:3.1.-.-]
BBOV_IV002540	TA04330	MAL13P1.347								BBM_III05105	3	api	0	0	Valid		
BBOV_IV002530	TA04335	MAL13P1.348	LmjF33.0960	YPL221W		K05289		K00763		BBM_III05110	5		2	2	NA		
										BBM_III05115	0		0	0	NA		
BBOV_IV008980	TA06175	PF0700c	LmjF29.1340	YOL123W	K14411				K14411	BBM_III05120	5		2	1	K14411	K14411	RNA-binding protein Musashi
				YMR169C					K00129	BBM_III05125	1		1	1	NA		
	TA04220									BBM_III05130	1		0	0	NA		
BBOV_IV002700	TA04225	PF14_0556								BBM_III05135	3	api	0	0	Valid		
BBOV_IV002520	TA04340	PF11070c	LmjF27.0450	YHR088W	K14846	K14846	K14846	K14846	K14846	BBM_III05140	5		5	1	K14846	K14846	RPF1, ribosome production factor 1
	TA04345									BBM_III05145	1		0	0	NA		
BBOV_IV002390	TA04410	PF11085w								BBM_III05150	3	api	0	0	Valid		
BBOV_I002290	TA04310	PF11335c	LmjF30.0750		K03152	K03152		K03152		BBM_III05155	4	api+	3	1	K03152	K03152	4-methyl-5(b-hydroxyethyl)-thiazole monophosphate biosynthesis
										BBM_III05160	0		0	0	NA		
BBOV_IV002410	TA04400	PF11330c		YDL217C						BBM_III05165	4	api+	0	0	Valid		
BBOV_IV002400	TA04405	PF0350w	LmjF16.0960	YDR316W						BBM_III05170	5		0	0	Valid		
BBOV_IV002630	TA04275	PF13_0262	LmjF15.0230	YDR037W	K04567	K04567	K04567	K04567	K04567	BBM_III05175	5		5	1	K04567	K04567	lysyl-tRNA synthetase, class II [EC:6.1.1.6]
BBOV_I002720	TA19560	PF14_0491	LmjF25.0040		K12871					BBM_III05180	4	api+	1	1	Valid		
BBOV_I002690	TA19670	MAL7P1.149								BBM_III05185	3	api	0	0	Valid		
BBOV_IV002620	TA04280	PF13_0263								BBM_III05190	3	api	0	0	Valid		
BBOV_IV002610	TA04285									BBM_III05195	2	piro	0	0	Valid		
										BBM_III05200	0		0	0	NA		
BBOV_IV002570			LmjF10.0560							BBM_III05205	2		0	0	NA		
	TA04300									BBM_III05210	1		0	0	NA		
BBOV_IV002590	TA04295	PF11_0419	LmjF35.1830							BBM_III05215	4	api+	0	0	Valid		
BBOV_IV002690	TA04230	PF11_0420	LmjF10.0810							BBM_III05220	4	api+	0	0	Valid		
		MAL7P1.108	LmjF07.1080	YJR092W						BBM_III05225	3		0	0	NA		
BBOV_III001450	TA17785	MAL7P1.110	LmjF36.4630	YJR069C	K01519	K01519				BBM_III05230	5		2	1	K01519	K01519	nucleoside-triphosphate pyrophosphatase [EC:3.6.1.19]
BBOV_III001440	TA17770	MAL7P1.107								BBM_III05235	3	api	0	0	Valid		
				YHR199C-A						BBM_III05240	1		0	0	NA		
BBOV_III001680	TA17660	PF07_0085		YNR074C						BBM_III05245	4	api+	0	0	Valid		
BBOV_III001670	TA17665	PFA_0230c	LmjF32.2940							BBM_III05250	4	api+	0	0	Valid		
BBOV_III001660	TA17670	PFA_0225w			K03527	K03527	K03527			BBM_III05255	3	api	3	1	K03527	K03527	4-hydroxy-3-methylbut-2-enyl diphosphate reductase [EC:1.17.1.2]
BBOV_III001650	TA17680	PFA_0220w			K11854	K11854				BBM_III05260	3	api	2	1	Valid		
		MAL13P1.121	LmjF10.0170	YER005W				K01529	K14642	BBM_III05265	3		2	2	NA		
BBOV_III001640	TA17685	PF13_0133	LmjF35.0870	YIR039C		K01386	K01386		K01386	BBM_III05270	5		3	1	K01386	K01386	
BBOV_III001630	TA17690	MAL7P1.38		YGL097W						BBM_III05275	4	api+	0	0	Valid		
										BBM_III05280	0		0	0	NA		
										BBM_III05285	0		0	0	NA		
BBOV_III001610	TA17700	PF13_0124	LmjF03.0920	YBL102W						BBM_III05290	5		0	0	Valid		
BBOV_III001600	TA17705									BBM_III05295	2	piro	0	0	Valid		
BBOV_III001420	TA17760	PF08_0028		YGL112C					K03131	BBM_III05300	4	api+	1	1	Valid		
BBOV_III001510	TA17755	PF13_0251	LmjF36.3200	YLR234W	K03165	K03165	K03165	K03165	K03165	BBM_III05305	5		5	1	K03165	K03165	DNA topoisomerase III [EC:5.99.1.2]
BBOV_III001520	TA17750	MAL13P1.120			K13091	K13091	K13091			BBM_III05310	3	api	3	1	K13091	K13091	RNA-binding protein 39
BBOV_III001540	TA17740	MAL13P1.130		YFL050C						BBM_III05315	4	api+	0	0	Valid		
	TA17735	PF13_0104		YNL126W						BBM_III05320	3		0	0	NA		
										BBM_III05325	0		0	0	NA		
BBOV_III001570	TA17725	PF13_0131		YFL017C					K00621	BBM_III05330	4	api+	1	1	Valid		
BBOV_III001580	TA17715	PF13_0132	LmjF06.0580	YOL127W	K02893	K02893	K02893	K02893	K02893	BBM_III05335	5		5	1	K02893	K02893	large subunit ribosomal protein L23Ae
BBOV_III001590	TA17710									BBM_III05340	2	piro	0	0	Valid		
BBOV_III001700	TA17650	MAL13P1.234	LmjF34.1390	YLL040C						BBM_III05345	5		0	0	Valid		
BBOV_III001710	TA17645	PF10165c	LmjF03.0690			K01529	K01529			BBM_III05350	4	api+	2	1	Valid		
										BBM_III05355	0		0	0	NA		
BBOV_III001720	TA17640	PF10155c	LmjF18.0890	YML001W	K07897	K07897	K07897	K07897	K07897	BBM_III05360	5		5	1	K07897	K07897	Ras-related protein Rab-7A

BBOV_III002070	TA18630	PFB0895c	LmjF24.0990	YOR217W	K10754	K10754	K10754	K10754	K10754	BBM_III05630	5		5	1	K10754	K10754
	TA18635	PFL1825w								BBM_III05635	2		0	0	NA	
BBOV_III002030	TA18660	PFL1820w	LmjF24.1490	YLR196W	K14791		K14791	K14791	K14791	BBM_III05640	5		4	1	K14791	K14791
BBOV_III002040					K14773					BBM_III05645	1		1	1	NA	
	TA18680									BBM_III05650	1		0	0	NA	
BBOV_III002060	TA18685	PFL1230w	LmjF16.1390					K14568		BBM_III05655	4	api+	2	1	Valid	
BBOV_III002380	TA18690									BBM_III05660	2	piro	0	0	Valid	
BBOV_III002400		PF14_0718								BBM_III05665	2		0	0	NA	
BBOV_III002410	TA18695	PFL1830w		YNR032C-A	K13113	K13113	K13113	K13113	K13113	BBM_III05670	4	api+	4	1	K13113	K13113
	TA18700		LmjF25.2280							BBM_III05675	2		0	0	NA	
BBOV_III002430	TA18705	PFE0745w								BBM_III05680	3	api	0	0	Valid	
BBOV_III002440	TA18710									BBM_III05685	2	piro	0	0	Valid	
BBOV_III002450	TA18720	PFE0740c								BBM_III05690	3	api	0	0	Valid	
BBOV_III002460	TA18725	PFE0730c		YOR095C	K01807	K01807	K01807	K01807	K01807	BBM_III05695	4	api+	4	1	K01807	K01807
										BBM_III05700	0		0	0	NA	
BBOV_III002470	TA18735		LmjF36.6800							BBM_III05705	3		0	0	NA	
	TA18740	PFL1845c				K04507	K04507			BBM_III05710	2		2	1	NA	
BBOV_III002480	TA18745	PF13_0159		YBR093C					K01078	BBM_III05715	4	api+	1	1	Valid	
BBOV_I004530	TA18775	MAL13P1.152								BBM_III05720	3	api	0	0	Valid	
										BBM_III05722					Valid	
BBOV_I004620	TA18790	MAL13P1.134		YPL008W	K11273	K11273	K11273	K11273	K11273	BBM_III05725	4	api+	4	1	K11273	K11273
BBOV_I004550	TA18785	PFE0705c								BBM_III05730	3	api	0	0	Valid	
BBOV_I004610	TA18795	PFF0125c	LmjF35.5320	YPR045C						BBM_III05735	5		0	0	Valid	
BBOV_I004600	TA04900	PFF0120w	LmjF34.4030	YPR176C	K05956	K05956	K05956	K05956	K05956	BBM_III05740	5		5	1	K05956	K05956
BBOV_I004580	TA04910	PFL0835w	LmjF26.0270		K03977	K03977		K03977		BBM_III05745	4	api+	3	1	K03977	K03977
BBOV_I004570	TA04920	PFL0860c	LmjF26.2630	YBL071W-A						BBM_III05750	5		0	0	Valid	
	TA04925	PFC0556c								BBM_III05755	2		0	0	NA	
BBOV_I004630	TA04930				K12189	K12189				BBM_III05760	2	piro	2	1	K12189	K12189
BBOV_I004640	TA04935	PF11_0213	LmjF03.0340							BBM_III05765	4	api+	0	0	Valid	
BBOV_I004650	TA04940	PF11_0212	L1156.05	YER168C			K00974	K00974		BBM_III05770	5		2	1	K00974	K00974
BBOV_I004660	TA04945	PF11_0219								BBM_III05775	3	api	0	0	Valid	
BBOV_I004670		PF11_0218	LmjF16.0670							BBM_III05780	3		0	0	NA	
BBOV_I004690	TA04955	PF14_0346			K07376	K07376	K07376			BBM_III05785	3	api	3	1	K07376	K07376
BBOV_I004700	TA04960	PFI0880c			K01078	K01078	K01078			BBM_III05790	3	api	3	1	K01078	K01078
BBOV_I004710	TA04965	PF10_0216								BBM_III05795	3	api	0	0	Valid	
BBOV_I004720		PFI0885w		YML054C					K00101	BBM_III05800	3		1	1	NA	
BBOV_I004730	TA04980	PFI0890c								BBM_III05805	3	api	0	0	Valid	
BBOV_I004740	TA04985	PF11_0083								BBM_III05810	3	api	0	0	Valid	
BBOV_I004760	TA04990	PF11_0524	LmjF32.0715	YER112W	K12623	K12623	K12623	K12623	K12623	BBM_III05815	5		5	1	K12623	K12623
BBOV_I004770	TA04995	MAL13P1.72	LmjF35.0220							BBM_III05820	4	api+	0	0	Valid	
BBOV_I004780	TA05000									BBM_III05825	2	piro	0	0	Valid	
	TA05005									BBM_III05830	1		0	0	NA	
BBOV_I004800	TA05010	PF13_0080		Q0055	K11126	K11126				BBM_III05835	4	api+	2	1	Valid	
BBOV_I004810	TA05030	MAL13P1.74	LmjF30.0010						K07019	BBM_III05840	4	api+	1	1	Valid	
	TA05035	PF13_0081								BBM_III05845	2		0	0	NA	
										BBM_III05850	0		0	0	NA	
BBOV_I004830	TA05040	PF13_0055								BBM_III05855	3	api	0	0	Valid	
										BBM_III05860	0		0	0	NA	
			LmjF36.3730							BBM_III05865	1		0	0	NA	
BBOV_I004850	TA05055		LmjF06.0150	YHR124W					K12769	BBM_III05870	4		1	1	NA	
BBOV_I004860		PF14_0351								BBM_III05875	2		0	0	NA	
BBOV_I004870	TA05060	PF14_0352	LmjF28.0890	YER070W	K10807	K10807	K10807	K10807	K10807	BBM_III05880	5		5	1	K10807	K10807
			LmjF25.2150							BBM_III05885	1		0	0	NA	
BBOV_I004900	TA05070	PF14_0348				K01358	K01358			BBM_III05890	3	api	2	1	Valid	

	replication factor C subunit 1
	PWP1, periodic tryptophan protein 1
	ubiquitin-like protein 5
	ribose 5-phosphate isomerase A [EC:5.3.1.6]
	tRNA, Lys, anticodon CTT
	chromosome transmission fidelity protein 1 [EC:3.6.1.-]
	geranylgeranyl transferase type-2 subunit beta [EC:2.5.1.60]
	engA, GTP-binding protein
	ESCRT-II complex subunit VPS25
	tRNA nucleotidyltransferase (CCA-adding enzyme) [EC:2.7.7.25]
	protein kinase, cGMP-dependent [EC:2.7.11.12]
	acid phosphatase [EC:3.1.3.2]
	U6 snRNA-associated Sm-like protein LSM4
	ribonucleoside-diphosphate reductase subunit M1 [EC:1.17.4.1]

BBOV_III008200	TA10340	PF13_0070	LmjF21.1430	YER178W	K00166	K00166	K00166	K00166	K00161	BBM_III05895	5		5	2	K00166	K00166	2-oxoisovalerate dehydrogenase E1 component, alpha subunit
BBOV_III008210	TA10335	MAL13P1.57		YAL001C						BBM_III05900	4	api+	0	0	Valid		
BBOV_III008220	TA10330	PF13_0068		YDR175C						BBM_III05905	4	api+	0	0	Valid		
BBOV_III008160	TA10360		LmjF20.0060							BBM_III05910	3		0	0	NA		
BBOV_III008150	TA10370	PF13_0065	LmjF34.3670	YDL185W	K02145	K02145	K02145	K02145	K02145	BBM_III05915	5		5	1	K02145	K02145	V-type H ⁺ -transporting ATPase subunit A [EC:3.6.3.14]
BBOV_III008140	TA10375									BBM_III05920	2	piro	0	0	Valid		
BBOV_III008130	TA10380	MAL13P1.55			K08738	K08738	K08738			BBM_III05925	3	api	3	1	K08738	K08738	cytochrome c
										BBM_III05930	0		0	0	NA		
										BBM_III05935	0		0	0	NA		
BBOV_III008120	TA10385	PF11_0043	LmjF03.0440	YDL081C	K02942	K02942	K02942	K02942	K02942	BBM_III05940	5		5	1	K02942	K02942	large subunit ribosomal protein LP1
BBOV_III008110	TA10390	PF13_0077								BBM_III05945	3	api	0	0	Valid		
BBOV_III008090	TA10400	PF13_0079	LmjF20.1100							BBM_III05950	4	api+	0	0	Valid		
BBOV_III007990	TA10405	MAL13P1.69		YOR111W	K06287	K06287	K06287		K06287	BBM_III05955	4	api+	4	1	K06287	K06287	septum formation protein
BBOV_III007980	TA10410	PFD0160w								BBM_III05960	3	api	0	0	Valid		
BBOV_III007950	TA10425	PF10_0155	LmjF14.1160	YGR254W	K01689	K01689	K01689	K01689	K01689	BBM_III05965	5		5	1	K01689	K01689	enolase [EC:4.2.1.11]
BBOV_III007940	TA10430	PFC1050w								BBM_III05970	3	api	0	0	Valid		
BBOV_III007930	TA10435	PFC1055w		YLR373C						BBM_III05975	4	api+	0	0	Valid		
BBOV_III007920	TA10440	PFC1060c		YOR308C			K11984		K11984	BBM_III05980	4	api+	2	1	Valid		
										BBM_III05985	0		0	0	NA		
BBOV_III007900	TA10450	PFC0550w	LmjF28.0040		K07126					BBM_III05990	4	api+	1	1	Valid		
BBOV_III007890	TA10455			YJR138W						BBM_III05995	3		0	0	NA		
			LmjF35.0610							BBM_III06000	1		0	0	NA		
BBOV_III007870	TA10460	PF11_0211								BBM_III06005	3	api	0	0	Valid		
BBOV_III007860	TA10465	PF11_0208	LmjF08.0060	YKL152C	K01834	K01834	K01834	K01834	K01834	BBM_III06010	5		5	1	K01834	K01834	phosphoglycerate mutase [EC:5.4.2.1]
BBOV_III007850	TA10470	PF14_0350								BBM_III06015	3	api	0	0	Valid		
BBOV_III007840	TA10480	PF11_0099			K09536	K09536				BBM_III06020	3	api	2	1	Valid		
BBOV_III007820	TA10485	PF11_0101	LmjF33.0700							BBM_III06025	4	api+	0	0	Valid		
BBOV_III007810	TA10490	PF11_0084								BBM_III06030	3	api	0	0	Valid		
		PF11_0215								BBM_III06035	1		0	0	NA		
				YDR461C-A						BBM_III06040	1		0	0	NA		
										BBM_III06045	0		0	0	NA		
BBOV_III007800	TA10500	PFI0875w			K09490	K09490	K09490			BBM_III06050	3	api	3	1	K09490	K09490	heat shock 70kDa protein 5
BBOV_III007790	TA10630	PF11_0096	LmjF35.1730	YOR061W	K03097	K03097	K03097	K03097	K03097	BBM_III06055	5		5	1	K03097	K03097	CSNK2A, casein kinase II subunit alpha [EC:2.7.11.1]
BBOV_III007780	TA10625	PF11_0097	LmjF25.2140	YOR142W	K01899	K01899	K01899	K01899	K01899	BBM_III06060	5		5	1	K01899	K01899	succinyl-CoA synthetase alpha subunit [EC:6.2.1.4 6.2.1.5]
BBOV_III007770	TA10620	PF11_0068	LmjF33.0560							BBM_III06065	4	api+	0	0	Valid		
BBOV_III007760	TA10615	PF11_0069	LmjF31.0970							BBM_III06070	4	api+	0	0	Valid		
BBOV_III007680	TA10610	PF11_0071	LmjF34.3500	YDR190C	K04499	K04499	K04499	K04499	K04499	BBM_III06075	5		5	1	K04499	K04499	RuvB-like protein 1 (pontin 52)
BBOV_III007670	TA10605	MAL13P1.310	LmjF33.2010	YMR154C						BBM_III06080	5		0	0	Valid		
		PFA_0240w	LmjF32.2800							BBM_III06085	2		0	0	NA		
BBOV_III007650	TA10595	PFC0100c	LmjF36.4820	YPL151C	K12862	K12862	K12862	K12862	K12862	BBM_III06090	5		5	1	K12862	K12862	pleiotropic regulator 1
BBOV_III007660	TA10600	MAL13P1.19	LmjF29.2110	YHR099W	K08874	K08874			K08874	BBM_III06095	5		3	1	K08874	K08874	transformation/transcription domain-associated protein
BBOV_III007780		PFB0510w	LmjF11.0880							BBM_III06100	3		0	0	NA		
										BBM_III06105	0		0	0	NA		
BBOV_IV009220	TA10580	MAL13P1.295	LmjF05.1190	YDR206W					K11132	BBM_III06110	5		1	1	K11132	K11132	telomere elongation protein [EC:2.7.7.-]
BBOV_III007620	TA10575	PFE0105c								BBM_III06115	3	api	0	0	Valid		
BBOV_III007610	TA10570	PFC0835c	LmjF03.0490							BBM_III06120	4	api+	0	0	Valid		
BBOV_III007590	TA10565	PFC0845c	LmjF21.0023	YOL133W	K03868	K03868	K03868	K03868	K03868	BBM_III06125	5		5	1	K03868	K03868	RING-box protein 1
BBOV_III007580	TA10560		LmjF35.0570							BBM_III06130	3		0	0	NA		
BBOV_III007570	TA10550	PFA_0255c	LmjF26.1150							BBM_III06135	4	api+	0	0	Valid		
										BBM_III06140	0		0	0	NA		
BBOV_III007560	TA10545	PF11_0061	LmjF02.0020	YNL030W	K11254	K11254	K11254	K11254	K11254	BBM_III06145	5		5	1	K11254	K11254	histone H4
										BBM_III06150	0		0	0	NA		
BBOV_III007550	TA10525	PF11_0060								BBM_III06155	3	api	0	0	Valid		
BBOV_III007540	TA10520									BBM_III06160	2	piro	0	0	Valid		

BBOV_III007530	TA10515	PF11_0065	LmjF13.1230	YJR145C	K02987	K02987	K02987	K02987	K02987	BBM_III06165	5		5	1	K02987	K02987	small subunit ribosomal protein S4e
BBOV_III007520	TA10510	PF11_0098								BBM_III06170	3	api	0	0	Valid		
BBOV_III007470	TA10635		LmjF25.1540							BBM_III06175	3		0	0	NA		
BBOV_III007500	TA10670	PF11_0077								BBM_III06180	3	api	0	0	Valid		
				YKL017C						BBM_III06185	1		0	0	NA		
BBOV_III007490	TA10680	PF11_0423								BBM_III06190	3	api	0	0	Valid		
BBOV_III007440	TA10685	PF11_0073								BBM_III06195	3	api	0	0	Valid		
BBOV_III007430	TA10700	PF11_0072								BBM_III06200	3	api	0	0	Valid		
BBOV_III007420	TA10705	MAL7P1.167	LmjF11.0380		K05292	K05292				BBM_III06205	4	api+	2	1	Valid		
BBOV_III007400	TA10710	PF13_0150	LmjF34.0360	YOR116C	K03018	K03018	K03018	K03018	K03018	BBM_III06210	5		5	1	K03018	K03018	DNA-directed RNA polymerase III subunit C1 [EC:2.7.7.6]
BBOV_III007390	TA10715									BBM_III06215	2	piro	0	0	Valid		
BBOV_III007380	TA10720	PF14_0417								BBM_III06220	3	api	0	0	Valid		
BBOV_III007370	TA10725	PFC0105w	LmjF30.3580	YMR216C	K08832	K08282	K08282	K08832	K08831	BBM_III06225	5		5	2	K08832	K08832	serine/threonine kinase 23 [EC:2.7.11.1]
BBOV_III007340	TA10735		LmjF23.1110	YFL021W					K09184	BBM_III06230	4		1	1	NA		
BBOV_III007320	TA10755	PF13_0265	LmjF36.5930							BBM_III06235	4	api+	0	0	Valid		
		PF11705w	LmjF36.4750				K03861	K03861		BBM_III06240	2		2	1	NA		
BBOV_III007310	TA10760	PF11700c	LmjF25.2180	YLR396C						BBM_III06245	5		0	0	Valid		
										BBM_III06250	0		0	0	NA		
BBOV_III007300	TA10770									BBM_III06255	2	piro	0	0	Valid		
BBOV_III007290	TA10775	PFC1005c	LmjF16.0830	YLL027W			K13628	K13628		BBM_III06260	5		2	1	K13628	K13628	iron-sulfur cluster assembly protein
BBOV_III007280	TA10780	PFA_0370w								BBM_III06265	3	api	0	0	Valid		
										BBM_III06270	0		0	0	NA		
	TA10785									BBM_III06275	1		0	0	NA		
BBOV_III007160	TA10790	PFA_0545c	LmjF17.0540	YMR078C	K11269			K11269	K11269	BBM_III06280	5		3	1	K11269	K11269	chromosome transmission fidelity protein 18
BBOV_III007180	TA10805									BBM_III06285	2	piro	0	0	Valid		
BBOV_III007200	TA10815			YOR196C					K03644	BBM_III06290	3		1	1	NA		
BBOV_III007210	TA10820	PFA_0450c	LmjF26.0290		K14397	K14397	K14397	K14397		BBM_III06295	4	api+	4	1	K14397	K14397	cleavage and polyadenylation specificity factor subunit 5
										BBM_III06300	0		0	0	NA		
BBOV_III007230	TA10830	PFA_0465c	LmjF25.0020	YPR131C	K00670	K00670	K00670	K00670	K00670	BBM_III06305	5		5	1	K00670	K00670	peptide alpha-N-acetyltransferase [EC:2.3.1.88]
	TA10835	PFA_0460c		YOR265W						BBM_III06310	3		0	0	NA		
		MAL13P1.342a								BBM_III06315	1		0	0	NA		
BBOV_III007240	TA10840	PFA_0480w	LmjF32.0870	YFL022C	K01889	K01889	K01889	K01889	K01889	BBM_III06320	5		5	1	K01889	K01889	phenylalanyl-tRNA synthetase alpha chain [EC:6.1.1.20]
BBOV_III007250	TA10845		LmjF27.1890	YMR224C	K10865	K10865		K10865	K10865	BBM_III06325	4		4	1	K10865	K10865	double-strand break repair protein MRE11
BBOV_III007260	TA10850	PF13_0242	LmjF10.0290	YDL066W	K00031	K00031	K00031	K00031	K00031	BBM_III06330	5		5	1	K00031	K00031	isocitrate dehydrogenase [EC:1.1.1.42]
BBOV_III007120	TA10870	PFA_0405w								BBM_III06335	3	api	0	0	Valid		
BBOV_III007090	TA10875	PFA_0400c	LmjF28.0110	YER094C	K02735	K02735	K02735	K02735	K02735	BBM_III06340	5		5	1	K02735	K02735	20S proteasome subunit beta 3 [EC:3.4.25.1]
		PFF1225c					K02335			BBM_III06345	1		1	1	NA		
BBOV_III007150			LmjF17.0530	YBL060W						BBM_III06350	3		0	0	NA		
										BBM_III06355	0		0	0	NA		
BBOV_III007080	TA10880	PFF1190c	LmjF09.0040	YMR281W	K03434	K03434	K01463	K03434	K03434	BBM_III06360	5		5	2	K03434	K03434	N-acetylglucosaminylphosphatidylinositol deacetylase [EC:3.5.1.89]
BBOV_III006940	TA10885	PFF1185w			K01509	K01509				BBM_III06365	3	api	2	1	Valid		
				YDR495C						BBM_III06370	1		0	0	NA		
										BBM_III06372					Valid		tRNA, Asn, anticodon GTT
		PF10_0211								BBM_III06375	1		0	0	NA		
										BBM_III06380	0		0	0	NA		
BBOV_III006960	TA10895	PFI1510w	LmjF16.0890	YDR087C					K14849	BBM_III06385	5		1	1	K14849	K14849	RRP1, ribosomal RNA-processing protein 1
BBOV_III006970	TA10900	PFI1835c	LmjF26.0190	YKL040C						BBM_III06390	5		0	0	Valid		
BBOV_III006980	TA10905	PFF1315w								BBM_III06395	3	api	0	0	Valid		
BBOV_III006990	TA10910	PF10_0219	LmjF16.0080	YPL263C						BBM_III06400	5		0	0	Valid		
BBOV_III007000	TA10915	PFF1300w	LmjF35.0030	YAL038W	K00873	K00873	K00873	K00873	K00873	BBM_III06405	5		5	1	K00873	K00873	pyruvate kinase [EC:2.7.1.40]
BBOV_III007010	TA10930	PFF1305w	LmjF06.0040	YNL252C						BBM_III06410	5		0	0	Valid		
BBOV_III007020	TA10925	PFF1265w	LmjF10.0090	YMR226C		K00540	K00540		K00540	BBM_III06415	5		3	1	K00540	K00540	
BBOV_III007030	TA10935				K12586	K12586				BBM_III06420	2	piro	2	1	K12586	K12586	exosome complex component RRP43
BBOV_III007040	TA10940									BBM_III06425	2	piro	0	0	Valid		

BBOV_III004620	TA15215	MAL7P1.340	LmjF26.0460	Q0130	K02128	K02128		K02128	K02128	BBM_III08930	5		4	1	K02128	K02128
BBOV_III003170	TA09185	PF14_0393		YML069W	K09272	K09272	K09272		K09272	BBM_III08935	4	api+	4	1	K09272	K09272
BBOV_III003130	TA09220		LmjF25.1520	YJL057C					K08286	BBM_III08945	4		1	1	NA	
BBOV_III003140	TA09215	PF14_0395								BBM_III08950	3	api	0	0	Valid	
BBOV_III003150	TA09210	PFE0060w								BBM_III08955	3	api	0	0	Valid	
BBOV_III003160	TA09200	PF14_0376		YOL141W						BBM_III08965	4	api+	0	0	Valid	
	TA16570	PFB0815w	LmjF27.2470			K13412	K08282			BBM_III08970	3		2	2	NA	
	TA16410	PFB0826c		YKL051W						BBM_III08975	3		0	0	NA	
BBOV_III002940	TA16405	PFB0830w	LmjF30.3200	YGL189C	K02976	K02976	K02976	K02976	K02976	BBM_III08980	5		5	1	K02976	K02976
		PF11_0041								BBM_III08985	1		0	0	NA	
BBOV_III002960	TA16350	PFB0840w	LmjF30.2630	YJR068W	K10755	K10755	K10755	K10755	K10755	BBM_III08990	5		5	1	K10755	K10755
BBOV_III002970		PF11_0263	LmjF07.0410							BBM_III08995	3		0	0	NA	
BBOV_III002980	TA16245	PF11_0262								BBM_III09000	3	api	0	0	Valid	
BBOV_III002990	TA16240	PF11_0264	LmjF24.1150	YFL036W	K10908	K10908	K10908	K10908	K10908	BBM_III09005	5		5	1	K10908	K10908
										BBM_III09015	0		0	0	NA	
	TA16135	PF11_0266a								BBM_III09020	2		0	0	NA	
BBOV_III003010	TA16130	PF11410c	LmjF14.1100							BBM_III09025	4	api+	0	0	Valid	
BBOV_III003020	TA09240	PFL2090c	LmjF36.3850	YLR025W	K12194	K12194	K12194	K12194	K12194	BBM_III09030	5		5	1	K12194	K12194
										BBM_III09033	0		0	0	NA	Valid
BBOV_III003040	TA09230	PFL2115c	LmjF24.1210	YGL236C	K03495	K03495		K03113	K03495	BBM_III09035	5		4	2	NA	
BBOV_III003050	TA09225	PFL2110c								BBM_III09040	3	api	0	0	Valid	
BBOV_IV008000	TA16575									BBM_III09045	2	piro	0	0	Valid	
BBOV_IV008010	TA16630	PFL2105c		YKL018W			K14962		K14962	BBM_III09050	4	api+	2	1	Valid	
BBOV_IV011250	TA09610	PFL2120w	LmjF36.1340	YDL040C					K00670	BBM_III09055	5		1	1	K00670	K00670
BBOV_IV008020	TA16710	PFL2125c	LmjF36.0800	YPL122C	K03144	K03144	K03144	K03144	K03144	BBM_III09060	5		5	1	K03144	K03144
BBOV_IV008030	TA16715	PFD0705c								BBM_III09065	3	api	0	0	Valid	
BBOV_IV008040	TA16720				K08516	K08516				BBM_III09070	2	piro	2	1	K08516	K08516
	TA20775	PF13_0140	LmjF36.2610	YMR113W			K11754	K01930	K01930	BBM_III09075	4		3	2	NA	
BBOV_IV008810	TA06270	PF08_0040	LmjF25.2170	YOR250C	K14399	K14399	K14399		K14399	BBM_III09080	5		4	1	K14399	K14399
BBOV_IV008870	TA06230	PF08_0037								BBM_III09085	3	api	0	0	Valid	
BBOV_IV008840	TA06235	PF08_0038		YML025C						BBM_III09090	4	api+	0	0	Valid	
BBOV_IV008800	TA06275	MAL8P1.50								BBM_III09095	3	api	0	0	Valid	
										BBM_III09097	0		0	0	NA	
										BBM_III09100	0		0	0	NA	
BBOV_IV008770	TA06280	PFF1015w	LmjF32.1780							BBM_III09105	4	api+	0	0	Valid	
BBOV_IV008760					K12589					BBM_III09110	1		1	1	NA	
BBOV_IV008750	TA06290	PF10_0165	LmjF33.1690	YDL102W	K02327	K02327	K02327	K02327	K02327	BBM_III09115	5		5	1	K02327	K02327
BBOV_IV008740	TA06295	PF13_0219	LmjF18.1610	YOR206W	K14833			K14833	K14833	BBM_III09125	5		3	1	K14833	K14833
BBOV_IV008730	TA06300			YGR093W						BBM_III09130	3		0	0	NA	
BBOV_IV008720	TA06305									BBM_III09135	2	piro	0	0	Valid	
										BBM_III09137	0		0	0	NA	
BBOV_IV008600	TA06385	MAL13P1.153		YIR015W	K03540	K03540	K03540		K03540	BBM_III09140	4	api+	4	1	K03540	K03540
BBOV_IV008670	TA06325			YGR095C					K12590	BBM_III09145	3		1	1	NA	
										BBM_III09150	0		0	0	NA	
BBOV_III004940	TA13275	PFC0240c								BBM_III09155	3	api	0	0	Valid	
BBOV_III005160	TA13260	PF08_0031	LmjF30.1050	YLR348C					K13577	BBM_III09160	5		1	1	K13577	K13577
		PF14_0247	LmjF31.0450							BBM_III09165	2		0	0	NA	
BBOV_II006730	TA14300	PF14_0774	LmjF23.0110	YDL055C	K00966	K00971	K00966	K00966	K00966	BBM_III09170	5		5	2	K00966	K00966
BBOV_II006720	TA14295	PF08_0032								BBM_III09175	3	api	0	0	Valid	
BBOV_I001000	TA19745	PFF1395c		YBL080C					K02434	BBM_III09180	4	api+	1	1	Valid	
BBOV_IV011320	TA09565	PFF1405c								BBM_III09185	3	api	0	0	Valid	
BBOV_IV011310	TA09570	PFF1120c								BBM_III09190	3	api	0	0	Valid	
										BBM_III09195	0		0	0	NA	
BBOV_IV011290	TA09580	PFF1115w			K02641	K02641	K00528			BBM_III09200	3	api	3	2	Valid	

F-type H ⁺ -transporting ATPase subunit c [EC:3.6.3.14]
structure-specific recognition protein 1
small subunit ribosomal protein S26e
replication factor C subunit 2/4
DNA-directed RNA polymerase, mitochondrial [EC:2.7.7.6]
charged multivesicular body protein 4
translation initiation factor SU1
peptide alpha-N-acetyltransferase [EC:2.3.1.88]
transcription initiation factor TFIIF subunit H4
synaptobrevin homolog YKT6
polyribonucleotide 5'-hydroxyl-kinase [EC:2.7.1.78]
DNA polymerase delta subunit 1 [EC:2.7.7.7]
NOC2, nucleolar complex protein 2
ribonuclease P subunit RPR2 [EC:3.1.26.5]
mitochondrial dicarboxylate carrier
mannose-1-phosphate guanylyltransferase [EC:2.7.7.13]

BBOV_IV011340	TA09545	PFF1355w		YBR257W	K03538	K03538	K03538		K03538	BBM_III09205	4	api+	4	1	K03538	K03538
BBOV_IV011330	TA09555	PFF1365c								BBM_III09210	3	api	0	0	Valid	
										BBM_III09215	0		0	0	NA	
BBOV_IV011350	TA09535	PFF1385c		YGR002C	K11324	K11324	K11324		K11324	BBM_III09225	4	api+	4	1	K11324	K11324
BBOV_IV011360	TA09530	PFF1375c	LmjF36.5900	YHR123W	K00993	K00993	K00993		K00993	BBM_III09230	5		5	1	K00993	K00993
BBOV_IV000380	TA19850	PF14_0566								BBM_III09240	3	api	0	0	Valid	
BBOV_I000790	TA19845			YDR485C					K11664	BBM_III09250	3		1	1	NA	
BBOV_I000800	TA19840	PFF1250w	LmjF35.4280							BBM_III09255	4	api+	0	0	Valid	
BBOV_IV000420	TA19870	PF11065c								BBM_III09260	3	api	0	0	Valid	
BBOV_IV000430	TA19875	PF14_0675		YLL005C						BBM_III09270	4	api+	0	0	Valid	
BBOV_IV000440	TA19880	PF11045w		YDL048C						BBM_III09275	4	api+	0	0	Valid	
	TA19885	PF11050c								BBM_III09280	2		0	0	NA	
BBOV_IV000450	TA19890	PF11_0228								BBM_III09285	3	api	0	0	Valid	
BBOV_IV000460	TA19895	MAL8P1.108		YDL006W		K01090	K01090		K01090	BBM_III09290	4	api+	3	1	K01090	K01090
		PF08_0097								BBM_III09295	1		0	0	NA	
BBOV_III006320	TA12780	PFC0465c		YPL075W						BBM_III09300	4	api+	0	0	Valid	
BBOV_III006330	TA12775	PFC0410w	LmjF07.0820	YDR374C						BBM_III09305	5		0	0	Valid	
BBOV_III005980	TA12765		LmjF29.1780	YIL103W						BBM_III09315	4		0	0	NA	
BBOV_III005990	TA12760									BBM_III09320	2	piro	0	0	Valid	
BBOV_III009930	TA10085	PF14_0373	LmjF35.1540	YEL024W	K00411	K00411	K00411		K00411	BBM_III09325	5		5	1	K00411	K00411
BBOV_III000210										BBM_III09330	1		0	0	NA	
BBOV_I001550		PF14_0375	LmjF35.0840							BBM_III09335	3		0	0	NA	
										BBM_III09340	0		0	0	NA	
	TA18360		LmjF31.2180							BBM_III09345	2		0	0	NA	
BBOV_III000260	TA18362	MAL7P1.24	LmjF36.6400	YER126C	K14842	K14842	K14842		K14842	BBM_III09350	5		5	1	K14842	K14842
BBOV_III000250	TA18370	PFC0765c								BBM_III09355	3	api	0	0	Valid	
										BBM_III09360	0		0	0	NA	
BBOV_III006340	TA14055	PF14_0223			K12737	K12737	K12737			BBM_III09365	3	api	3	1	K12737	K12737
BBOV_III006350	TA14060	MAL7P1.25	LmjF24.1030	YER007W				K10411		BBM_III09370	5		1	1	K10411	K10411
BBOV_III006360	TA14075	PFL1285c			K04802	K04802	K04802			BBM_III09375	3	api	3	1	K04802	K04802
BBOV_III006370				YBL020W					K06316	BBM_III09380	2		1	1	NA	
BBOV_III006380	TA14090	PF13_0272				K01829	K01829			BBM_III09385	3	api	2	1	Valid	
BBOV_III006390	TA14095	MAL13P1.262	LmjF30.0840							BBM_III09390	4	api+	0	0	Valid	
										BBM_III09395	0		0	0	NA	
										BBM_III09400	0		0	0	NA	
										BBM_III09405	0		0	0	NA	
BBOV_III006420	TA14105	PFI0255c	LmjF29.2780	YJL133W	K03454	K03454			K03454	BBM_III09410	5		3	1	K03454	K03454
										BBM_III09415	0		0	0	NA	
BBOV_III002890	TA08715	PFI0230c								BBM_III09420	3	api	0	0	Valid	
BBOV_III002880	TA08610	PFI0220w	LmjF25.0820	YNL153C	K09550	K09550	K09550		K09550	BBM_III09425	5		5	1	K09550	K09550
BBOV_III002870	TA08609	PFI0215c	LmjF15.0580	YLR066W		K01423	K01423		K12948	BBM_III09430	5		3	2	NA	
BBOV_III002860	TA08555	PFI0205w								BBM_III09435	3	api	0	0	Valid	
BBOV_III002850		PFI0200c			K12400		K12400			BBM_III09440	2		2	1	NA	
BBOV_III002840	TA08495	PFI0195c	LmjF36.6370							BBM_III09445	4	api+	0	0	Valid	
BBOV_III002830	TA08390	PFI0190w	LmjF35.2050	YBL092W	K02912	K02912	K02912		K02912	BBM_III09450	5		5	1	K02912	K02912
BBOV_III002820	TA08335	PFI0180w	LmjF13.0390	YML085C	K07374	K07374	K07374		K07374	BBM_III09455	5		5	1	K07374	K07374
BBOV_III002800	TA08280									BBM_III09460	2	piro	0	0	Valid	
										BBM_III09462					Valid	
BBOV_III002790	TA08165	PFL1430c	LmjF32.1450							BBM_III09465	4	api+	0	0	Valid	
BBOV_III002780	TA08060	PFL1425w	LmjF23.1220	YJL014W	K09495	K09495	K09495		K09495	BBM_III09475	5		5	1	K09495	K09495
BBOV_III003230	TA09145	PFL1290w								BBM_III09480	3	api	0	0	Valid	
BBOV_III003220		PFL1470c								BBM_III09485	2		0	0	NA	
BBOV_III003180	TA09180	PF14_0391	LmjF36.3760	YPL220W	K02865	K02865	K02865		K02865	BBM_III09490	5		5	1	K02865	K02865
										BBM_III09495	0		0	0	NA	

POP4, RPP29, ribonuclease P protein subunit POP4 [EC:3.1.26.5]
DNA methyltransferase 1-associated protein 1
ethanolaminephosphotransferase [EC:2.7.8.1]
protein phosphatase [EC:3.1.3.16]
ubiquinol-cytochrome c reductase iron-sulfur subunit [EC:1.10.2.2]
NSA2, ribosome biogenesis protein NSA2
peptidyl-prolyl cis-trans isomerase SDCCAG10 [EC:5.2.1.8]
dynein light chain 1, axonemal
proliferating cell nuclear antigen
mitochondrial carrier protein, MC family
prefoldin subunit 4
large subunit ribosomal protein L32e
tubulin alpha
tRNA, Ser. anticodon GCT
T-complex protein 1 subunit gamma
large subunit ribosomal protein L10Ae

		MAL13P1.299	LmjF36.0360	YKL207W						BBM_III09785	3		0	0	NA		
BBOV_II004860	TA12210	PF13_0318								BBM_III09790	3	api	0	0	Valid		
BBOV_II004850	TA12215	PF13_0317	LmjF32.1340	YDR245W			K14401	K05531		BBM_III09795	5		2	2	NA		
BBOV_II004820	TA12230	MAL13P1.319	LmjF21.0830	YKL211C		K01658		K01656		BBM_III09800	5		2	2	NA		
BBOV_II004810	TA12235	PF13_0335		YKL213C				K14018		BBM_III09805	4	api+	1	1	Valid		
	TA12240									BBM_III09810	1		0	0	NA		
	TA13300	PFD0550c								BBM_III09815	2		0	0	NA		
BBOV_IV000690	TA20015	PF13_0334		YMR156C	K08073		K08073	K08075		BBM_III09820	4	api+	3	2	Valid		
BBOV_IV000680	TA20010	PFB0915w	LmjF26.1030							BBM_III09825	4	api+	0	0	Valid		
BBOV_IV000660	TA20005	PFL1735c		YDR416W	K12867	K12867	K12867	K12867		BBM_III09830	4	api+	4	1	K12867	K12867	pre-mRNA-splicing factor SYF1
		PFL1960w						K13850		BBM_III09835	1		1	1	NA		
										BBM_III09840	0		0	0	NA		
										BBM_III09842					Valid		tRNA, His, anticodon GTG
										BBM_III09843					Valid		tRNA, Phe, anticodon GAA
BBOV_IV000610	TA19990			YOR014W	K11584	K11584		K11584		BBM_III09845	3		3	1	K11584	K11584	protein phosphatase 2 (formerly 2A), regulatory subunit B'
BBOV_IV000600	TA19985	PF07_0127								BBM_III09850	3	api	0	0	Valid		
										BBM_III09855	0		0	0	NA		
										BBM_III09860	0		0	0	NA		
BBOV_IV000590	TA19975	PFF0570c								BBM_III09865	3	api	0	0	Valid		
BBOV_II004840	TA12220	MAL13P1.298								BBM_III09870	3	api	0	0	Valid		
										BBM_III09880	0		0	0	NA		
BBOV_IV000570	TA19965	MAL7P1.19	LmjF32.1090	YKL010C	K10590	K10590		K10590	K10590	BBM_III09890	5		4	1	K10590	K10590	E3 ubiquitin-protein ligase TRIP12 [EC:6.3.2.19]
										BBM_III09895	0		0	0	NA		
BBOV_IV000560	TA19955	PF07_0015	LmjF29.2540	YBL024W		K00599				BBM_III09900	5		1	1	K00599	K00599	Amino Acid Metabolism
BBOV_IV000550	TA19950	PFE0510c								BBM_III09905	3	api	0	0	Valid		
BBOV_IV000540			LmjF33.0650							BBM_III09910	2		0	0	NA		
										BBM_III09915	0		0	0	NA		
										BBM_III09917	0		0	0	NA	Valid	ribosomal L39 protein
	TA12315									BBM_III09920	1		0	0	NA		
										BBM_III09925	0		0	0	NA		
	TA12330									BBM_III09930	1		0	0	NA		
BBOV_II004690	TA12325	PFC0970w	LmjF07.0150	YER140W						BBM_III09935	5		0	0	Valid		
BBOV_IV007730	TA03740	PF11_0162	LmjF08.1020			K01376		K13537		BBM_III09940	4	api+	2	2	Valid		
BBOV_II004670	TA12335	PFE0980c	LmjF34.2220				K12603			BBM_III09945	4	api+	1	1	Valid		
BBOV_II004660	TA12340	PFC0855w				K10573	K10574	K10574		BBM_III09950	3	api	3	2	Valid		
BBOV_II004650	TA12345	PFC0900w	LmjF32.1000	YJR064W	K09497	K09497	K09497	K09497		BBM_III09955	5		5	1	K09497	K09497	T-complex protein 1 subunit epsilon
										BBM_III09960	0		0	0	NA		
BBOV_II004640	TA12350	PFC0890w		YLR268W		K08517	K08517		K08517	BBM_III09965	4	api+	3	1	K08517	K08517	vesicle transport protein SEC22
										BBM_III09970	0		0	0	NA		
	TA15010			YLR215C						BBM_III09975	2		0	0	NA	Valid	BMN family (1)
										BBM_III09980	0		0	0	NA	Valid	BMN family (2)
BBOV_VI000010	q2ca38.01	PlfaoMp2		Q0045	K02256	K02256	K02256		K02256	BBM_mt00005	4	api+	4	1	K02256	K02256	cox1, cytochrome c oxidase subunit 1 [EC:1.9.3.1]
										BBM_mt00010					Valid		lsu4 rRNA gene, fragment of LSU rRNA
										BBM_mt00015					Valid		lsu5 rRNA gene, fragment of LSU rRNA
BBOV_VI000060	q2ca38.03c	PlfaoMp3		Q0105	K00412	K00412	K00412		K00412	BBM_mt00020	4	api+	4	1	K00412	K00412	cytb, ubiquinol-cytochrome c reductase cytochrome b subunit
										BBM_mt00025					Valid		lsu2 rRNA gene, fragment of LSU rRNA
										BBM_mt00030					Valid		lsu6 rRNA gene, fragment of LSU rRNA
BBOV_VI000020	q2ca38.02c	PlfaoMp1		Q0275		K02262			K02262	BBM_mt00035	4	api+	2	1	K02262	K02262	cox3, cytochrome c oxidase subunit 3
										BBM_mt00040					Valid		ssu6 rRNA gene, fragment of SSU rRNA
										BBM_mt00045					Valid		ssu7 rRNA gene, fragment of SSU rRNA
										BBM_mt00050					Valid		lsu1 rRNA gene, fragment of LSU rRNA
										BBM_mt00055					Valid		lsu3 rRNA gene, fragment of LSU rRNA