









Gene.1	Gene.2	Name.1	Name.2	Gene class	Calb	Lklu	Lthe	Lwal	Egos	Klac	Zrou	Vpol	Ncas	Cgla	Sbay	Scer	preWGD Ancestor
YCL040W	YDR516C	GLK1	MYO5	non-RPG													0
YCL043C	YDR518W	PDI1	FOL3	non-RPG													0
YCR067C	YNR026C	SED4	MGR3	non-RPG													0
YCR069W	YNR028W	CPR4		non-RPG													0
YCR094W	YNR048W	CDC50		non-RPG							■						0
YDL021W	YOL056W	GPM2	VHS3	non-RPG							■						0
YDL109C	YGL144C		VBA3	non-RPG		■			■		■						0
YDL161W	YLR206W	ENT1	PSR2	non-RPG											■		0
YDL211C	YNL176C		SPH1	non-RPG													0
YDR028C	YBR050C	REG1	FRE2	non-RPG		■			■				■				0
YDR066C	YER139C	RTR2	SAM3	non-RPG								■			■		0
YDR146C	YLR131C	SWI5		non-RPG													0
YDR213W	YLR228C	UPC2	IDP3	non-RPG													0
YDR247W	YPL026C	VHS1	HEF3	non-RPG													0
YDR253C	YPL038W	MET32	LCB4	non-RPG													0
YDR263C	YOR033C	DIN7	YRR1	non-RPG		■		■				■					0
YDR264C	YOR034C	AKR1	GAC1	non-RPG													0
YDR368W	YOR120W	YPR1	DCI1	non-RPG													0
YDR379W	YOR127W	RGA2	CMP2	non-RPG													0
YDR441C	YML022W	APT2	ORC1	non-RPG													0
YDR490C	YOL100W	PKH1	HMG1	non-RPG													0
YEL022W	YJR031C	GEA2		non-RPG													0
YEL030W	YJR045C	ECM10		non-RPG													0
YER045C	YIL036W	ACA1	URA10	non-RPG													0
YER081W	YIL074C	SER3	BUL1	non-RPG													0
YER129W	YGL179C	SAK1	NGL2	non-RPG													0
YER132C	YGL197W	PMD1	PLB3	non-RPG					■		■						0
YFR015C	YLR258W	GSY1	GRE1	non-RPG					■		■						0
YGL071W	YPL202C	AFT1	CET1	non-RPG													0
YGL075C	YPL200W	MPS2		non-RPG													0
YGL096W	YPL177C	TOS8	SSO1	non-RPG													0
YGL166W	YPR008W	CUP2	GYP5	non-RPG													0
YGR004W	YLR324W	PEX31	VIK1	non-RPG													0
YGR023W	YLR332W	MTL1	CLN2	non-RPG													0
YGR142W	YPR158W	BTN2	DDR2	non-RPG													0
YGR192C	YJR009C	TDH3		non-RPG													0
YGR230W	YHR152W	BNS1	QDR1	non-RPG													0
YGR239C	YHR160C	PEX21	VPS21	non-RPG													0
YHL003C	YKL008C	LAG1	CAN1	non-RPG	■												0
YHL017W	YKL039W		WSC3	non-RPG										■			0
YHL035C	YLL048C	VMR1	MSB4	non-RPG													0
YHR096C	YDR345C	HXT5	SKM1	non-RPG													0
YHR139C	YNL160W	SPS100	PAP2	non-RPG													0
YIR018W	YOL028C	YAP5		non-RPG													0
YJL098W	YKR028W	SAP185	ERP2	non-RPG													0
YJL099W	YKR027W	CHS6	PDR15	non-RPG									■				0
YJL112W	YKR036C	MDV1		non-RPG					■								0
YJL133W	YKR052C	MRS3	ODC1	non-RPG													0
YJL134W	YKR053C	LCB3	ISU1	non-RPG													0
YJL138C	YKR059W	TIF2	MKK2	non-RPG													0
YJL159W	YKL163W	HSP150	SVS1	non-RPG													0
YJL160C	YKL164C		FRE4	non-RPG		■			■		■						0
YJR091C	YPR042C	JSN1	PEX27	non-RPG													0
YJR127C	YML081W	RSF2		non-RPG													0
YJR130C	YML082W	STR2	ICY1	non-RPG			■		■								0
YJR148W	YHR208W	BAT2	RIF2	non-RPG													0
YKL050C	YMR031C		PSK2	non-RPG								■					0
YKL062W	YMR037C	MSN4	MYO2	non-RPG	■							■					0
YKL068W	YMR047C	NUP100		non-RPG									■				0
YKL126W	YMR104C	YPK1	DOT6	non-RPG									■				0
YKR077W	YOR066W	MSA2	SSA4	non-RPG									■				0
YLR293C	YOR185C	GSP1		non-RPG									■				0

Gene.1	Gene.2	Name.1	Name.2	Gene class	Calb	Lklu	Lthe	Lwal	Egos	Klac	Zrou	Vpol	Ncas	Cgla	Sbay	Scer	preWGD Ancestor
YML125C	YML087C	PGA3	MRH1	non-RPG			█					█					0
YMR119W	YNL008C	ASI1	TEF1	non-RPG			█					█					0
YMR206W	YNR014W		SUR1	non-RPG					█		█		█				0
YNL095C	YOR092W		SYH1	non-RPG					█				█				0
YNL104C	YOR108W	LEU4	UBX6	non-RPG									█				0
YNL309W	YOL131W	STB1	GIN4	non-RPG										█			0
YNR034W-A	YCR075W-A		GNP1	non-RPG								█					0
YOR227W	YPL137C	HER1	GRX2	non-RPG								█					0
YOR237W	YPL145C	HES1	EMI2	non-RPG									█				0
YOR256C	YPL176C	TRE2	EUG1	non-RPG								█					0
YDR077W	YER150W	SED1	SEC12	non-RPG									█				0
YDR343C	YHR094C	HXT6	CPR8	non-RPG										█			0
YGR197C	YJR015W	SNG1		non-RPG									█				0
YIL013C	YOR011W	PDR11	GPM3	non-RPG											█		0
YKL093W	YMR081C	MBR1	ROG1	non-RPG									█				0
YFL059W	YNL333W	SNZ3	ENT2	non-RPG									█				0
YBL089W	YER119C	AVT5	TDA7	non-RPG											█		0
YCL050C	YDR530C	APA1	REG2	non-RPG									█				0
YDL022W	YOL059W	GPD1	RTR1	non-RPG								█					0
YDL214C	YNL183C	PRR2	ACE2	non-RPG										█			0
YDR272W	YOR040W	GLO2	ECM22	non-RPG											█		0
YDR524C-B	YCL048W-A		SKS1	non-RPG									█				0
YER037W	YGL224C	PHM8	MET31	non-RPG									█				0
YGR035C	YLR346C		EXO1	non-RPG									█				0
YGR221C	YHR149C	TOS2	AKR2	non-RPG									█				0
YGR279C	YMR305C	SCW4	GCY1	non-RPG							█			█			0
YHR117W	YNL121C	TOM71	RGA1	non-RPG								█					0
YIL105C	YNL047C	SLM1	APT1	non-RPG									█				0
YIL156W	YKR098C	UBP7	PKH2	non-RPG									█				0
YJL105W	YKR029C	SET4	GEA1	non-RPG								█					0
YJL165C	YKL168C	HAL5	SSC1	non-RPG											█		0
YKR075C	YOR062C		CST6	non-RPG											█		0
YLL012W	YLR020C	YEH1	SER33	non-RPG								█					0
YLR300W	YOR190W	EXG1	TOS3	non-RPG								█					0
YLR449W	YML074C	FPR4	MDS3	non-RPG								█					0
YML109W	YMR273C	ZDS2	GSY2	non-RPG										█			0
YMR177W	YPL224C	MMT1	AFT2	non-RPG										█			0
YMR186W	YPL240C	HSC82	CSM4	non-RPG										█			0
YDR252W	YPL037C	BTT1	CUP9	non-RPG											█		0
YIL085C	YNL029C	KTR7	HAA1	non-RPG								█					0
YAL023C	YOR321W	PMT2	PEX30	non-RPG								█					0
YAL038W	YOR347C	CDC19	MID2	non-RPG									█				0
YBL030C	YBR085W	PET9	CUR1	non-RPG									█				0
YBL056W	YER089C	PTC3	TDH2	non-RPG					█				█				0
YBR024W	YBR037C	SCO2	SPO12	non-RPG								█					0
YBR121C	YPR081C	GRS1	PEX18	non-RPG											█		0
YBR140C	YOL081W	IRA1	LAC1	non-RPG								█					0
YBR147W	YOL092W	RTC2	PTM1	non-RPG										█			0
YBR169C	YPL106C	SSE2	YBT1	non-RPG										█			0
YBR197C	YPL077C		HXT3	non-RPG	█	█					█	█					0
YBR210W	YGL054C	ERV15	YGP1	non-RPG					█	█				█			0
YBR241C	YGL104C		YAP7	non-RPG					█								0
YCL048W	YDR522C	SPS22	SAP190	non-RPG								█	█				0
YCL051W	YDR528W	LRE1	BCH2	non-RPG								█					0
YCR005C	YNR001C	CIT2	CAF4	non-RPG								█					0
YCR034W	YJL196C	FEN1	MRS4	non-RPG									█				0
YCR037C	YJL198W	PHO87	YSR3	non-RPG									█				0
YCR073C	YNR031C	SSK22	TIF1	non-RPG									█				0
YDR122W	YLR096W	KIN1	PIR3	non-RPG										█			0
YDR185C	YLR168C	UPS3	PIR1	non-RPG								█					0
YDR200C	YLR238W	VPS64	PUF2	non-RPG									█				0
YDR273W	YOR042W	DON1	TDA9	non-RPG									█				0



Gene.1	Gene.2	Name.1	Name.2	Gene class	Calb	Lklu	Lthe	Lwal	Egos	Klac	Zrou	Vpol	Ncas	Cgla	Sbay	Scer	preWGD Ancestor
YKL201C	YJR061W	MNN4	CIT1	non-RPG	■	■											0
YNL195C	YDL223C		ELO1	non-RPG						■							0
YBR020W	YDR009W	GAL1	PHO90	non-RPG					■								0
YCR010C	YNR002C	ADY2	SSK2	non-RPG			■										0
YML116W	YMR279C	ATR1	KIN2	non-RPG		■											0
YAL028W	YOR324C	FRT2	UPS2	non-RPG				■									0
YBR242W	YGL101W		FAR10	non-RPG				■	■								0
YCL073C	YKR106W	GEX1	CUE5	non-RPG	■												0
YCR091W	YNR047W	KIN82	MSR1	non-RPG						■							0
YDR385W	YOR133W	EFT2	NFI1	non-RPG		■											0
YGR188C	YJL013C	BUB1	YOX1	non-RPG						■							0
YGR243W	YHR162W	FMP43	DIG1	non-RPG		■											0
YHR131C	YNL144C		KTR6	non-RPG		■											0
YJL137C	YKR058W	GLG2	TOS4	non-RPG			■										0
YAL053W	YOR365C	FLC2	ANB1	non-RPG	■												0
YGR180C	YJL026W	RNR4	CYC1	non-RPG						■							0
YNL087W	YOR086C	TCB2	VHR1	non-RPG					■								0
YDL182W	YDL131W	LYS20	VTC3	non-RPG	■												0
YHR133C	YNL156C	NSG1	ROD1	non-RPG		■											0
YIL114C	YNL055C	POR2	SAP4	non-RPG						■							0
YGR248W	YHR163W	SOL4	GUP2	non-RPG		■					■						0
YGR136W	YPR154W	LSB1	TMA10	non-RPG						■					■		0
YGL158W	YLR248W	RCK1	DBF20	non-RPG						■							0
YOR229W	YPL139C	WTM2	CLB5	non-RPG		■						■					0
YGL063W	YPL212C	PUS2		non-RPG				■									0
YBR005W	YDR003W	RCR1		non-RPG				■									0
YBR182C	YPL089C	SMP1	RNP1	non-RPG		■											0
YGR256W	YHR183W	GND2	ARK1	non-RPG	■												0
YIL151C	YKR096W		SPT23	non-RPG				■									0
YMR233W	YOR295W	TRI1	ALY1	non-RPG				■									0
YBR238C	YGL107C		TOR2	non-RPG						■			■				0
YGR032W	YLR342W	GSC2	PGM2	non-RPG					■								0
YGL119W	YBR230W-A	COQ8	TGL5	non-RPG						■							0
YIL131C	YNL068C	FKH1	WHI5	non-RPG						■							0
YKR084C	YOR076C	HBS1	ADE17	non-RPG						■							0
YNL098C	YOR101W	RAS2	CAF120	non-RPG				■									0
YMR237W	YOR299W	BCH1	SML1	non-RPG				■									0
YNL108C	YOR110W		TPS3	non-RPG	■							■					0
YLR277C	YOR179C	YSH1	COT1	non-RPG			■										0
YER031C	YGL210W	YPT31	CUE4	non-RPG		■											0
YIL138C	YNL079C	TPM2	YGK3	non-RPG		■											0
YMR207C	YNR016C	HFA1	YSW1	non-RPG						■							0
YMR182C	YPL230W	RGM1	BSC2	non-RPG				■			■						0
YCL011C	YNL004W	GBP2	BOI2	non-RPG						■			■				0
YBR089C-A	YPR052C	NHP6B		non-RPG				■					■				0
YDL079C	YMR139W	MRK1	NRG1	non-RPG						■			■				0
YKL091C	YMR079W		YBP2	non-RPG		■						■					0
YHR047C	YKL157W	AAP1	PYC1	non-RPG		■				■					■		0
YBL091C-A	YER120W	SCS22	UBP5	non-RPG						■			■				0
YDR099W	YER177W	BMH2	CKI1	non-RPG						■			■				0
YDR458C	YML034W	HEH2	TSA1	non-RPG			■						■				0
YBR078W	YDR055W	ECM33		non-RPG						■			■				0
YDL012C	YBR016W		SBH1	non-RPG	■							■					0
YDL137W	YDL192W	ARF2	MF(ALPHA)1	non-RPG					■				■				0
YAL030W	YOR327C	SNC1	UGP1	non-RPG	■								■				0
YDR348C	YHR097C		PRM6	non-RPG			■							■			0
YML056C	YLR432W	IMD4	STB2	non-RPG		■	■				■						0
YNL052W	YIL111W	COX5A	VPS5	non-RPG						■				■			0
Scer_snR17a	Scer_snR17b	SNR17A	DCS2	non-RPG									■	■			0
YHR123W	YNL130C	EPT1	CAD1	non-RPG				■					■				0
YBR082C	YDR059C	UBC4	FAA1	non-RPG				■					■				0
YBL059W	YER093C-A		INP53	non-RPG						■			■				0





Code	WGD	Intron evidence	Intron number	Gene number
	pre-WGD	none		0 1
	pre-WGD	1 annotation		1 1
	pre-WGD	1 prediction		1 1
	pre-WGD	1 annotation	multiple per gene	1
	post-WGD	none		0 2
	post-WGD	prediction		1 2
	post-WGD	annotation		1 2
	post-WGD	1 prediction and 1 annotation		2 2
	post-WGD	2 predictions		2 2
	post-WGD	2 annotation		2 2
	post-WGD	annotation	multiple per gene	2
	post-WGD	none		0 1
	post-WGD	1 predictions		1 1
	post-WGD	1 annotation		1 1
	No ortholog	NA	NA	NA