

**Supplementary Table 2.** Complete list of yeast genes (n = 921) identified after treatment with monomethylarsonous acid (MMA<sup>III</sup>), ranked by the number of hits in 6 treatments. Yeast pools were exposed to 3 different concentrations of monomethylarsine for two generation-points, for a total of 6 treatments. The yeast ORF / genes correspond to strains that exhibited a significant change in growth in at least one treatment with monomethylarsine ( $q < 0.05$ ). Numeric values are fitness scores ( $\log_2$  ratios) calculated only for significant genes in each individual treatment. Empty cells indicate that the gene was not significant in that particular treatment.

ORF	Gene	5 generations			15 generations			# of hits
		25% IC <sub>20</sub>	50% IC <sub>20</sub>	IC <sub>20</sub>	25% IC <sub>20</sub>	50% IC <sub>20</sub>	IC <sub>20</sub>	
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YJL101C	GSH1	-3.45	-2.10	-4.45	-4.30		-4.90	5
YFR036W	CDC26	-1.70		-2.80	-4.15	-5.70	-3.90	5
YMR275C	BUL1	-1.40	-2.25	-3.15	-4.55		-4.50	5
YDR135C	YCF1	-0.80		-1.40	-2.85	-4.80	-4.20	5
YPL066W			-1.35	-1.70	-2.45	-4.75	-3.30	5
YJL179W	PFD1		-1.30	-2.00	-3.20	-4.50	-3.60	5
YPL241C	CIN2		-1.25	-1.45	-2.50	-3.60	-3.85	5
YCR068W	ATG15		-1.05	-1.75	-1.75	-3.05	-3.80	5
YJL120W			-1.10	-2.80	-4.15	-3.40	-4.75	5
YOR085W	OST3		1.30	1.75	1.70	2.50	3.50	5
YJL121C	RPE1	-2.00		-4.30	-3.20	-2.80	-2.60	5
YER151C	UBP3			-2.15	-2.20	-2.10	-3.10	4
YJL128C	PBS2			-2.10	-1.50	-2.15	-4.55	4
YKL176C	LST4			-1.80	-2.75	-3.85	-3.85	4
YDR463W	STP1			-1.90	-1.85	-3.40	-3.10	4
YJR073C	OPI3			-1.60	-1.80	-1.85	-3.45	4
YGR057C	LST7			-1.60	-2.70	-4.10	-3.55	4
YBL031W	SHE1			-1.30	-1.10	-2.15	-2.50	4
YCR045C				-1.20	-1.45	-1.65	-2.00	4
YGR133W	PEX4			-1.10	-1.00	-1.40	-2.30	4
YLR006C	SSK1			-1.00	-1.40	-1.70	-3.50	4
YHR111W	UBA4			1.00	1.60	2.05	1.95	4
YLR039C	RIC1			1.00	1.90	1.80	2.30	4
YER167W	BCK2			1.10	1.00	1.20	1.55	4
YMR312W	ELP6			1.20	1.70	2.25	2.60	4
YEL062W	NPR2			1.20	1.10	2.10	3.55	4
YKR042W	UTH1		1.20	1.35		2.00	2.50	4
YIL110W	MNI1			1.35	2.20	2.25	4.10	4
YER111C	SWI4			1.50	1.60	2.35	2.40	4
YML010C-B				1.80	1.40	2.50	3.75	4
YLR055C	SPT8			1.55	1.40	2.50	3.90	4
YLR068W	FYV7			1.45	1.95	4.10	4.65	4
YDR414C	ERD1			1.65	2.00	2.70	3.45	4
YCR050C				-1.90	-2.60	-2.60	-3.05	4
YPR074C	TKL1			-1.90	-2.65	-3.95	-3.35	4
YKL113C	RAD27			-1.80	-1.70	-2.10	-2.70	4
YNL197C	WHI3			-1.70	-1.70	-3.00	-3.80	4
YML095C-A				-1.60	-2.15	-2.70	-2.30	4
YNL329C	PEX6			-1.60	-1.20	-2.00	-3.10	4
YJL192C	SOP4			-1.50	-0.70	-1.35	-2.05	4
YNR007C	ATG3			-1.40	-1.30	-1.55	-2.65	4
YHR129C	ARP1			-1.30	-1.30	-2.05	-2.90	4
YOR304W	ISW2			-1.10	-1.30	-2.25	-3.65	4

ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YNL329C	PEX6			-1.60	-1.20	-2.00	-3.10	4
YOL081W	IRA2			-0.90	-1.55	-1.20	-2.30	4
YPL102C				0.80	1.50	1.75	2.00	4
YDR540C	IRC4			0.80	0.95	1.25	1.80	4
YIL069C	RPS24B			0.90	1.00	1.25	1.65	4
YLR448W	RPL6B			1.00	1.50	1.85	2.60	4
YDR443C	SSN2			1.00	0.80	1.00	1.30	4
YDR049W				1.10	1.00	1.40	2.05	4
YKL041W	VPS24			1.20	0.90	1.40	2.15	4
YNL226W				1.20	1.50	1.35	2.55	4
YCR063W	BUD31			1.20	1.90	3.10	5.90	4
YOL121C	RPS19A			1.20	1.45	2.05	2.95	4
YPL101W	ELP4			1.30	1.60	1.95	2.30	4
YOR078W	BUD21			1.40	1.80	2.25	4.70	4
YOR312C	RPL20B			1.50	1.90	2.80	3.90	4
YGR063C	SPT4			1.50	1.95	2.60	3.00	4
YOR295W	UAF30			1.60	1.50	1.75	2.45	4
YGR064W				1.80	1.65	2.55	2.80	4
YDR349C	YPS7			1.80	1.35	1.90	2.85	4
YJR032W	CPR7			1.80	1.65	2.65	3.80	4
YDR028C	REG1	-1.70	-1.85	-3.30				3
YLR085C	ARP6		-1.40			-2.40	-2.40	3
YAL020C	ATS1		0.80			1.10	1.30	3
YFL016C	MDJ1			-2.20		-1.90	-2.00	3
YJR111C				-1.90		-1.20	-2.15	3
YDR149C				-1.70		-2.55	-2.65	3
YDL020C	RPN4			-1.55		-3.20	-3.45	3
YOR265W	RBL2			-1.65		-3.70	-3.25	3
YJL197W	UBP12			-1.40		-2.20	-2.75	3
YAL011W	SWC3			-1.30		-3.20	-2.60	3
YMR311C	GLC8			-1.10		-1.40	-2.00	3
YNR040W				-1.10		-1.20	-1.80	3
YNR051C	BRE5			-1.00		-1.25	-3.15	3
YER161C	SPT2			1.10		0.90	1.80	3
YDL081C	RPP1A			1.15		1.90	3.70	3
YGR104C	SRB5			1.50		2.15	2.45	3
YML010W-A				1.90		2.70	4.30	3
YBR168W	PEX32	-1.10				2.10	2.85	3
YDR371W	CTS2	-0.70			-1.50	-2.00		3
YJL056C	ZAP1		1.40	1.90			3.10	3
YDR334W	SWR1			-2.10		-2.80	-3.35	3
YAL024C	LTE1			-1.70		-1.55	-2.85	3
YGL071W	AFT1			-1.60	1.90		2.70	3
YNL229C	URE2			-1.50		-2.15	-2.90	3
YML041C	VPS71			-1.50		-3.30	-4.90	3
YLR113W	HOG1			-1.50		-1.70	-4.25	3
YDR253C	MET32			-1.10		-2.55	-4.15	3
YCR024C	SLM5			-1.00		-1.30	-1.50	3
YOR023C	AHC1			-1.00		-1.20	-2.45	3
YNL203C				-0.90		-1.40	-1.90	3
YDL065C	PEX19			-0.90		-1.35	-2.00	3
YBR162C	TOS1			1.20	2.00	2.50		3
YPR189W	SKI3			1.20		1.20	1.85	3
YOR006C				1.30		2.20	2.70	3
YLR192C	HCR1			1.30		2.85	4.40	3
YOL100W	PKH2			1.30		1.20	1.75	3
YNL248C	RPA49			1.30		2.50	3.25	3

ORF	Gene	5 generations			15 generations			# of hits
		37.5µM	75µM	150µM	37.5µM	75µM	150µM	
YLR226W	BUR2			1.40	-1.50		2.50	3
YMR121C	RPL15B			1.40		1.40	2.10	3
YDL191W	RPL35A			1.50		2.45	3.65	3
YHR041C	SRB2			1.80		2.75	2.75	3
YPL091W	GLR1				-2.60	-2.60	-3.40	3
YKL119C	VPH2				-2.50	-2.60	-2.60	3
YGL148W	ARO2				-2.35	-2.20	-2.65	3
YBR291C	CTP1				-1.90	-2.55	-3.20	3
YDL133W					-1.85	-2.15	-2.80	3
YCR036W	RBK1				-1.80	-2.50	-3.15	3
YNL323W	LEM3				-1.80	-1.80	-2.20	3
YBL024W	NCL1				-1.50	-2.60	-2.50	3
YML117W	NAB6				-1.60	-3.15	-3.55	3
YCR049C					-1.40	-1.55	-1.90	3
YCL010C	SGF29				-1.65	-1.95	-2.80	3
YBR077C	SLM4				-1.30	-2.95	-3.05	3
YCR087W					-1.30	-1.80	-2.25	3
YDL025C					-1.20	-1.40	-1.80	3
YOR322C	LDB19				-1.20	-2.45	-3.15	3
YNL175C	NOP13				-1.30	-1.50	-1.75	3
YCR087C-A	LUG1				-1.20	-2.00	-2.40	3
YDL173W					-1.25	-1.10	-2.15	3
YNL204C	SPS18				-1.10	-1.55	-1.80	3
YLR191W	PEX13				-1.10	-1.30	-1.90	3
YNL211C					-1.10	-1.45	-1.50	3
YNR031C	SSK2				-1.20	-1.10	-3.10	3
YCR086W	CSM1				-1.10	-1.85	-3.00	3
YNL205C					-1.10	-1.30	-1.90	3
YGR228W					-1.10	-1.60	-2.10	3
YCR059C	YIH1				-1.10	-1.20	-1.60	3
YKR007W	MEH1				-1.25	-2.60	-3.65	3
YNL196C					-1.00	-1.45	-1.65	3
YDR265W	PEX10				-1.05	-1.20	-2.30	3
YJL212C	OPT1				-0.90	-0.80	-1.50	3
YKL197C	PEX1				-0.90	-1.35	-2.35	3
YNL179C					-0.80	-1.20	-1.10	3
YBR300C					-0.80	-1.50	-1.65	3
YGL153W	PEX14				-0.80	-1.15	-1.80	3
YLR047C	FRE8				-0.70	-1.25	-1.70	3
YER149C	PEA2				-0.60	-1.25	-1.75	3
YHR207C	SET5				0.70	1.10	1.30	3
YMR188C	MRPS17				0.80	0.90	1.95	3
YDR497C	ITR1				0.80	0.80	0.90	3
YLL051C	FRE6				0.90	1.35	2.30	3
YOR091W	TMA46				1.00	1.60	2.05	3
YOL041C	NOP12				0.90	1.30	2.35	3
YJR049C	UTR1				1.00	1.55	2.40	3
YLR264W	RPS28B				1.00	1.70	2.80	3
YOL039W	RPP2A				1.10	1.30	1.50	3
YER131W	RPS26B				1.10	1.45	1.75	3
YOL050C					1.10	1.70	1.30	3
YHR203C	RPS4B				1.10	2.35	3.20	3
YJL136C	RPS21B				1.20	1.50	1.60	3
YML026C	RPS18B				1.20	1.90	2.50	3
YGR081C	SLX9				1.20	1.90	2.15	3
YOR123C	LEO1				1.30	2.25	3.15	3
YDL117W	CYK3				1.40	1.95	3.30	3

ORF	Gene	5 generations			15 generations			# of hits
		37.5µM	75µM	150µM	37.5µM	75µM	150µM	
YAL023C	PMT2				1.30	2.20	4.30	3
YGR220C	MRPL9				1.30	1.10	2.20	3
YER087W					1.30	1.30	2.00	3
YPR106W	ISR1				1.40	2.10	3.00	3
YLR382C	NAM2				1.50	3.10	4.85	3
YKR085C	MRPL20				1.50	1.30	2.55	3
YNL120C					1.80	2.40	2.45	3
YGR215W	RSM27				1.50	2.30	3.00	3
YPL125W	KAP120				1.50	1.70	3.45	3
YKR082W	NUP133				1.50	2.00	3.00	3
YGR102C					1.55	1.50	3.25	3
YIL060W					1.60	1.70	2.25	3
YJR055W	HIT1				1.60	1.90	3.60	3
YJL102W	MEF2				1.70	1.80	3.30	3
YDL056W	MBP1				1.75	1.75	3.85	3
YHR011W	DIA4				1.70	2.30	3.80	3
YLR091W					1.70	2.00	3.25	3
YOR309C					1.90	2.55	3.15	3
YER050C	RSM18				1.80	1.80	3.05	3
YJL127C	SPT10				1.80	2.60	3.50	3
YBR251W	MRPS5				1.80	1.50	2.85	3
YHR034C	PIH1				1.90	2.60	3.40	3
YDL044C	MTF2				1.90	1.40	3.10	3
YER122C	GLO3				1.85	2.20	2.80	3
YJL095W	BCK1				2.05	3.65	2.75	3
YMR293C					1.80	1.50	2.70	3
YOR205C	FMP38				1.85	1.70	3.05	3
YDR347W	MRP1				2.00	1.60	3.15	3
YLL033W	IRC19				2.20	1.70	3.00	3
YLR149C					2.20	1.40	2.20	3
YMR193W	MRPL24				2.20	1.90	3.25	3
YDR363W-A	SEM1				2.10	2.65	3.95	3
YLR131C	ACE2				2.30	2.05	3.15	3
YPL104W	MSD1				2.40	2.00	3.30	3
YOR065W	CYT1				2.50	1.70	2.50	3
YGR285C	ZUO1				2.80	2.30	3.70	3
YIL052C	RPL34B				-1.90	-4.40	-4.20	3
YCL001W-A					-1.70	-2.55	-2.50	3
YML121W	GTR1				-1.40	-2.45	-3.65	3
YIL148W	RPL40A				-1.50	-2.20	-2.80	3
YGL133W	ITC1				-1.50	-2.05	-3.55	3
YBR298C	MAL31				-1.60	-1.95	-2.65	3
YLL021W	SPA2				-1.10	-1.65	-2.10	3
YBR296C	PHO89				-1.20	-1.65	-2.20	3
YNL283C	WSC2				-1.40	-1.40	-3.30	3
YER177W	BMH1				-0.90	-1.30	-3.00	3
YGR077C	PEX8				-0.90	-1.20	-1.95	3
YBR292C					-1.00	-1.10	-1.90	3
YPR065W	ROX1				0.70	1.15	1.65	3
YLL045C	RPL8B				1.20	1.35	2.30	3
YBR031W	RPL4A				0.90	1.45	1.55	3
YIL053W	RHR2				1.30	1.60	2.60	3
YNL322C	KRE1				1.00	1.50	1.25	3
YIL133C	RPL16A				1.30	1.60	2.35	3
YBR026C	ETR1				1.90	2.05	3.10	3
YKL074C	MUD2				-1.00	-0.90	-2.45	3
YOR360C	PDE2				-1.20	-1.50	-2.15	3

ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YCL055W	KAR4				-1.00	-1.00	-1.85	3
YMR264W	CUE1				-1.00	-1.20	-1.40	3
YBL082C	ALG3				1.00	1.40	1.50	3
YIL077C					0.70	1.10	1.25	3
YOR127W	RGA1				1.10	1.40	1.30	3
YNL119W	NCS2				1.80	2.50	2.75	3
YDR136C	VPS61				-3.00	-3.50	-5.10	3
YBL022C	PIM1				-2.10	-2.00	-2.50	3
YCR026C	NPP1				-1.90	-2.30	-3.20	3
YHL009C	YAP3				-1.80	-1.60	-2.60	3
YNL025C	SSN8				-1.30	-1.80	-3.30	3
YMR152W	YIM1				-0.80	-1.10	-1.90	3
YOR043W	WHI2				0.90	1.20	1.70	3
YDR121W	DPB4				1.00	1.10	1.20	3
YNL051W	COG5				1.10	1.10	1.00	3
YDR392W	SPT3				1.60	2.00	3.20	3
YGL240W	DOC1				2.20	2.20	3.90	3
YLR262C	YPT6	-1.40			1.40			2
YGL127C	SOH1		1.30			1.55		2
YLL043W	FPS1		1.50	2.65				2
YLR200W	YKE2			-1.75		-2.50		2
YML008C	ERG6		-1.60	-1.90				2
YMR221C	FMP42			-1.30			-2.50	2
YGR159C	NSR1			1.55			4.60	2
YGL244W	RTF1			1.40			2.90	2
YNL264C	PDR17	-1.70					-2.40	2
YPL178W	CBC2	-1.60					-2.50	2
YGL149W		-1.20			-1.50			2
YHR012W	VPS29	-1.10					-3.50	2
YDL226C	GCS1	-1.00					1.00	2
YDL172C		-0.90					-2.80	2
YOR189W	IES4	-0.70					1.10	2
YCR084C	TUP1			-2.60	-2.20			2
YPL161C	BEM4			-2.10	-1.70			2
YOL012C	HTZ1			-2.00		-2.30		2
YHR202W				-1.40			-2.20	2
YNL294C	RIM21			-1.10		1.10		2
YLR238W	FAR10			-1.00			-1.90	2
YBR015C	MNN2			1.30	1.30			2
YDR378C	LSM6			1.60			2.60	2
YDR389W	SAC7			1.90		1.70		2
YDL040C	NAT1				-2.00		-2.60	2
YGL168W	HUR1				-1.80		-1.60	2
YML013W	SEL1				-1.40		-1.60	2
YDR329C	PEX3				-1.30		-2.35	2
YCR027C	RHB1				-1.20	-1.50		2
YCR025C					-1.20		-1.50	2
YHL007C	STE20				-1.10		-1.85	2
YCL037C	SRO9				0.70	0.90		2
YJL169W					0.80		0.90	2
YML128C	MSC1				0.80		1.20	2
YNL235C					0.90	1.10		2
YOR039W	CKB2				0.90	1.55		2
YKL160W	ELF1				0.90	1.10		2
YNL005C	MRP7				1.00		2.15	2
YER139C					1.00	1.80		2
YGR257C	MTM1				1.00		1.50	2

ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YOL067C	RTG1				1.10	1.25		2
YGR150C					1.10		1.75	2
YDL225W	SHS1				1.20		0.10	2
YNL055C	POR1				1.20		1.70	2
YKL003C	MRP17				1.30		2.05	2
YBR163W	DEM1				1.30		2.40	2
YDR173C	ARG82				1.40	2.00		2
YOL089C	HAL9				-0.15		-0.50	2
YML014W	TRM9				1.40		1.40	2
YLR295C	ATP14				1.50		2.00	2
YPR044C	OPI11				1.50		2.10	2
YNL236W	SIN4				1.50	1.30		2
YMR066W	SOV1				1.50		2.55	2
YDR065W					1.90		2.85	2
YGR219W					1.50		2.55	2
YGR272C					1.50		4.10	2
YPL118W	MRP51				1.60		3.00	2
YPR047W	MSF1				1.60		2.90	2
YDR507C	GIN4				1.60		1.70	2
YDL202W	MRPL11				1.50		3.05	2
YHR120W	MSH1				1.70		3.10	2
YDR296W	MHR1				1.70		1.90	2
YKL138C	MRPL31				1.80		3.25	2
YDR114C					1.80		2.60	2
YHR008C	SOD2				1.90		2.00	2
YIL018W	RPL2B				1.90		1.60	2
YGR101W	PCP1				1.90		2.50	2
YOR201C	MRM1				1.90		2.60	2
YDR159W	SAC3				1.90		2.00	2
YMR267W	PPA2				2.20		2.45	2
YMR319C	FET4				2.40		2.60	2
YBL090W	MRP21				2.15		3.00	2
YKL134C	39356				2.40		2.70	2
YOR158W	PET123				2.40		2.70	2
YMR097C	MTG1				2.50		2.85	2
YOR014W	RTS1				2.60		2.70	2
YLR439W	MRPL4				2.70		3.00	2
YER017C	AFG3				2.70		3.10	2
YKL054C	DEF1				3.00		2.80	2
YPR133W-A	TOM5				3.00		3.20	2
YCR053W	THR4					-3.50	-2.80	2
YGR163W	GTR2					-2.95	-3.55	2
YMR294W	JNM1					-2.15	-3.45	2
YDR484W	VPS52					-2.15	-2.40	2
YMR099C						-2.35	-3.20	2
YCR081W	SRB8					-2.40	-2.55	2
YLR087C	CSF1					-1.75	-2.10	2
YMR124W						-1.85	-1.80	2
YPL170W	DAP1					-1.75	-4.10	2
YDL066W	IDP1					-1.75	-2.70	2
YDR483W	KRE2					-1.45	-1.70	2
YGL250W						-1.50	-1.20	2
YKL115C						-1.50	-3.40	2
YBR231C	SWC5					-1.50	-2.55	2
YOR264W	DSE3					-1.50	-1.40	2
YBR269C	FMP21					-1.60	-2.10	2
YMR070W	MOT3					-1.65	-3.65	2

ORF	Gene	5 generations			15 generations			# of hits
		37.5µM	75µM	150µM	37.5µM	75µM	150µM	
YCL005W	LDB16					-1.40	-2.30	2
YCR020C-A	MAK31					-1.45	-1.90	2
YBR286W	APE3					-1.30	-1.35	2
YJL159W	HSP150					-1.40	-1.70	2
YMR138W	CIN4					-1.30	-1.40	2
YBL087C	RPL23A					-1.30	-2.00	2
YNL115C						-1.20	-1.20	2
YJL073W	JEM1					-1.20	-1.70	2
YBR027C						-1.25	-2.00	2
YDR150W	NUM1					-1.20	-1.85	2
YJR142W						-1.20	-2.35	2
YOR124C	UBP2					-1.15	-1.20	2
YKL023W						-1.35	-1.30	2
YER056C-A	RPL34A					-1.10	-2.25	2
YDR071C	PAA1					-1.15	-2.35	2
YBR297W	MAL33					-1.15	-1.40	2
YKL079W	SMY1					-1.20	-1.70	2
YDL236W	PHO13					-0.90	-1.20	2
YBR281C	DUG2					-1.30	-1.45	2
YCR085W						-1.25	-1.45	2
YKL001C	MET14					-0.90	-2.80	2
YGR178C	PBP1					-0.90	-1.30	2
YNL183C	NPR1					-0.90	-1.45	2
YNL299W	TRF5					-0.80	-2.75	2
YKR019C	IRS4					-0.80	-1.25	2
YDR006C	SOK1					-0.70	-2.10	2
YJR010W	MET3					-0.60	-4.25	2
YKL191W	DPH2					0.60	1.10	2
YHR206W	SKN7					1.00	1.35	2
YDL023C						0.70	1.15	2
YOR061W	CKA2					1.00	1.60	2
YHR077C	NMD2					0.80	1.10	2
YOR051C						1.15	1.55	2
YKL027W						0.80	1.20	2
YPR064W						0.75	1.35	2
YOR276W	CAF20					0.80	1.85	2
YGR134W	CAF130					0.80	0.90	2
YKR092C	SRP40					0.90	1.30	2
YLR181C	VTA1					1.10	1.45	2
YDR457W	TOM1					1.00	1.15	2
YIR005W	IST3				1.40	1.30		2
YDR516C	EMI2					1.00	-2.90	2
YHR193C	EGD2					1.25	1.40	2
YJL177W	RPL17B					1.15	1.40	2
YMR100W	MUB1					1.10	1.40	2
YBL071C						1.35	1.65	2
YGR214W	RPS0A					1.40	2.30	2
YCR031C	RPS14A					1.10	1.45	2
YPL181W	CTI6					1.20	2.25	2
YEL054C	RPL12A					1.25	1.25	2
YPL182C						1.25	2.05	2
YER119C-A						1.25	1.80	2
YNL136W	EAF7					1.30	1.80	2
YBR020W	GAL1					1.10	1.40	2
YOR002W	ALG6					1.40	1.95	2
YOR167C	RPS28A					1.40	1.85	2
YDL096C	OPI6					1.45	2.40	2

ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YOR182C	RPS30B					1.50	2.10	2
YJR105W	ADO1					1.55	2.05	2
YML024W	RPS17A					1.40	1.30	2
YGL088W						1.95	3.20	2
YIL035C	CKA1					1.20	1.55	2
YOL009C	MDM12					1.50	2.80	2
YLR418C	CDC73					1.90	2.55	2
YJR145C	RPS4A					1.50	2.15	2
YLR315W	NKP2					1.65	2.25	2
YHL023C	RMD11					1.65	3.60	2
YDL130W	RPP1B					1.30	1.60	2
YGR097W	ASK10					1.50	3.00	2
YOR183W	FYV12					1.50	2.50	2
YFR031C-A	RPL2A					1.50	1.80	2
YGL054C	ERV14					1.50	2.10	2
YOR270C	VPH1					1.70	3.75	2
YLR185W	RPL37A					1.50	2.55	2
YGR118W	RPS23A					1.80	2.75	2
YDL194W	SNF3					1.55	1.90	2
YLR052W	IES3					1.65	3.85	2
YMR179W	SPT21					1.80	3.30	2
YIL098C	FMC1					1.90	2.30	2
YGR200C	ELP2					1.70	2.00	2
YDR447C	RPS17B					1.50	2.00	2
YKL077W						1.65	2.70	2
YAL013W	DEP1					1.70	3.00	2
YHR066W	SSF1					1.85	2.10	2
YBR181C	RPS6B					2.05	3.15	2
YKR074W						1.70	3.05	2
YJL124C	LSM1					1.85	2.90	2
YDR385W	EFT2					1.80	2.00	2
YBR048W	RPS11B					2.05	3.40	2
YNL097C	PHO23					2.05	2.25	2
YOR235W	IRC13					2.05	2.70	2
YLR287C-A	RPS30A					2.30	2.90	2
YLR384C	IKI3					2.20	2.10	2
YPL213W	LEA1					2.00	1.80	2
YDR335W	MSN5					2.00	2.25	2
YLR074C	BUD20					2.40	2.40	2
YCL058C	FYV5					2.35	2.60	2
YOR001W	RRP6					2.40	3.30	2
YDR450W	RPS18A					2.40	4.20	2
YKL048C	ELM1					2.65	3.05	2
YLR069C	MEF1					3.15	4.75	2
YJL030W	MAD2					-1.20	-2.10	2
YPL269W	KAR9					-1.40	-2.10	2
YGR106C						-1.40	-1.75	2
YCL062W						-1.10	-1.75	2
YBR099C						1.10	-1.50	2
YHR092C	HXT4					-1.00	-1.65	2
YJL211C						-1.40	-2.00	2
YDR011W	SNQ2					-1.00	-1.80	2
YNL237W	YTP1					-1.10	-1.80	2
YMR186W	HSC82					0.80	1.05	2
YDL048C	STP4					1.30	1.25	2
YPL225W						0.90	1.35	2
YOR027W	STI1					0.80	1.35	2



ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YGL147C	RPL9A					1.80	1.95	2
YKR035W-A	DID2					0.70	1.25	2
YGL213C	SKI8					0.90	1.35	2
YDL136W	RPL35B					1.20	1.60	2
YBR058C	UBP14					1.10	1.95	2
YDR024W	FYV1					1.30	1.70	2
YJR097W	JJJ3					1.00	1.95	2
YMR116C	ASC1					1.60	1.90	2
YLR369W	SSQ1				1.20		2.35	2
YJR113C	RSM7					1.70	2.20	2
YOL023W	IFM1				1.50		2.75	2
YLR388W	RPS29A					1.70	2.50	2
YHR038W	RRF1					1.80	2.90	2
YMR230W	RPS10B					1.50	2.35	2
YCR020W-B	HTL1					2.80	3.10	2
YKR057W	RPS21A					1.70	2.70	2
YLR048W	RPS0B					2.40	3.55	2
YKL037W					-3.00	-3.00		2
YIR023W	DAL81				-2.50		-2.90	2
YCR071C	IMG2				-1.70		-2.50	2
YPR201W	ARR3				-1.30		-1.70	2
YOL058W	ARG1				-1.20		-1.40	2
YBR156C	SLI15				1.30		1.90	2
YIL154C	IMP2'					-3.30	-4.80	2
YOR258W	HNT3					-2.90	-2.80	2
YDL118W						-2.50	-3.50	2
YDR008C						-2.10	-2.50	2
YBR119W	MUD1					-2.00	-3.40	2
YDR146C	SWI5					-1.90	-2.50	2
YLR319C	BUD6					-1.90	-2.50	2
YGL152C						-1.80	-2.50	2
YPL158C						-1.70	-1.70	2
YOL018C	TLG2					-1.70	-2.30	2
YNL079C	TPM1					-1.60	-1.80	2
YHR045W						-1.60	-4.80	2
YGR184C	UBR1					-1.60	-1.80	2
YBR295W	PCA1					-1.50	-1.80	2
YOR138C	RUP1					-1.50	-2.70	2
YDR073W	SNF11					-1.50	-2.80	2
YLL040C	VPS13					-1.30	-2.50	2
YOL070C	NBA1					-1.20	-1.80	2
YKL053W						-1.00	-1.20	2
YJR054W						-0.90	-1.40	2
YDL021W	GPM2					-0.90	-1.70	2
YBR284W						-0.90	-1.00	2
YGL214W						0.70	1.10	2
YER120W	SCS2					0.80	1.00	2
YER075C	PTP3					0.80	1.00	2
YNL082W	PMS1					0.90	1.00	2
YOR067C	ALG8					0.90	1.20	2
YPL150W						0.90	1.40	2
YMR263W	SAP30					1.00	1.60	2
YDR144C	MKC7					1.00	1.10	2
YDR471W	RPL27B					1.10	1.40	2
YOR089C	VPS21					1.10	1.20	2
YNL109W						1.30	1.60	2
YDL082W	RPL13A					1.40	2.80	2

ORF	Gene	5 generations			15 generations			# of hits
		37.5µM	75µM	150µM	37.5µM	75µM	150µM	
YLR441C	RPS1A					1.60	2.80	2
YGL105W	ARC1					1.60	2.20	2
YPR132W	RPS23B					1.70	3.60	2
YDR083W	RRP8					1.80	2.70	2
YPR131C	NAT3					2.00	3.20	2
YHR064C	SSZ1					2.40	2.90	2
YGL219C	MDM34					3.30	4.50	2
YHL011C	PRS3	-1.60						1
YOR199W		-1.50						1
YML007W	YAP1	-1.40						1
YLR174W	IDP2	-1.20						1
YIL090W	ICE2		2.50					1
YLL014W			3.70					1
YDL160C	DHH1			-2.20				1
YPR124W	CTR1			-1.50				1
YHL037C				-1.80				1
YPR123C				-1.80				1
YMR021C	MAC1			-1.60				1
YOR266W	PNT1			-1.10				1
YIL092W				1.40				1
YMR166C		-2.30						1
YNL101W	AVT4	-2.00						1
YMR184W	ADD37	-2.00						1
YKL096W-A	CWP2	-2.00						1
YGL118C		-1.90						1
YGR263C	SAY1	-1.80						1
YOR364W		-1.80						1
YDL223C	HBT1	-1.80						1
YMR262W		-1.70						1
YKL174C	TPO5	-1.70						1
YMR276W	DSK2	-1.60						1
YMR164C	MSS11	-1.60						1
YBR037C	SCO1	-1.60						1
YDR153C	ENT5	-1.60						1
YGL020C	GET1	-1.50						1
YPL183W-A		-1.40						1
YLR231C	BNA5	-1.40						1
YMR238W	DFG5	-1.40						1
YBR175W	SWD3	-1.30						1
YOR133W	EFT1	-1.30						1
YMR289W	ABZ2	-1.30						1
YMR244C-A		-1.30						1
YGR035C		-1.20						1
YBL010C		-1.20						1
YPL157W	TGS1	-1.20						1
YLR326W		-1.20						1
YCR102C		-1.10						1
YDR151C	CTH1	-1.10						1
YGL227W	VID30	-1.10						1
YNL085W	MKT1	-1.00						1
YHL039W		-1.00						1
YLR432W	IMD3	-1.00						1
YGR028W	MSP1	-0.90						1
YLR144C	ACF2	-0.90						1
YLR107W	REX3	-0.60						1
YPL180W	TCO89		-1.80					1
YDR226W	ADK1			-2.80				1

ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YDR477W	SNF1			-1.70				1
YKL135C	APL2			1.80				1
YOR008C	SLG1			1.90				1
YOR241W	MET7			2.00				1
YFR034C	PHO4				-2.10			1
YJL175W					-1.60			1
YOR371C	GPB1				-0.80			1
YDR072C	IPT1				-0.70			1
YOR377W	ATF1				0.70			1
YLR261C	VPS63				1.25			1
YGL025C	PGD1				1.30			1
YPL268W	PLC1				1.30			1
YDR418W	RPL12B				1.40			1
YDR359C	VID21				1.50			1
YML115C	VAN1				1.60			1
YBL038W	MRPL16				1.90			1
YGL115W	SNF4					-2.00		1
YDR354W	TRP4					-2.15		1
YBR006W	UGA2					-1.45		1
YGL253W	HXK2					-1.30		1
YNL135C	FPR1					-1.35		1
YDR317W	HIM1					-1.20		1
YGL249W	ZIP2					-1.00		1
YNL053W	MSG5					-1.10		1
YLR080W	EMP46					0.70		1
YKR072C	SIS2					0.80		1
YNL105W						0.80		1
YMR154C	RIM13					0.90		1
YOR275C	RIM20					0.90		1
YNL292W	PUS4					0.90		1
YDR156W	RPA14					1.15		1
YLR024C	UBR2					1.10		1
YLR110C	CCW12					1.20		1
YKL110C	KTI12					1.45		1
YDL041W						1.60		1
YGL019W	CKB1					1.30		1
YNL315C	ATP11					1.80		1
YJR137C	ECM17						-3.75	1
YFR030W	MET10						-3.70	1
YGR208W	SER2						-4.10	1
YBR255W							-3.50	1
YCR009C	RVS161						-3.40	1
YJL154C	VPS35						-3.20	1
YKR069W	MET1						-3.30	1
YIR017C	MET28						-3.10	1
YPL120W	VPS30						-3.15	1
YMR126C	DLT1						-3.35	1
YKL098W							-3.65	1
YHR151C							-3.25	1
YPR167C	MET16						-3.70	1
YGR209C	TRX2						-2.75	1
YJL053W	PEP8						-3.00	1
YPR153W							-3.25	1
YJR074W	MOG1						-2.50	1
YBR068C	BAP2						-2.50	1
YCR082W	AHC2						-2.70	1
YEL060C	PRB1						-2.40	1

ORF	Gene	5 generations			15 generations			# of hits
		37.5µM	75µM	150µM	37.5µM	75µM	150µM	
YMR067C	UBX4						-2.20	1
YDR455C							-2.25	1
YHL020C	OPI1						-2.00	1
YIL005W	EPS1						-2.05	1
YOR068C	VAM10						-1.60	1
YOR297C	TIM18						-2.40	1
YOL060C	MAM3						-1.90	1
YCR034W	FEN1						-2.00	1
YOL087C							-1.90	1
YLR354C	TAL1						-1.90	1
YLR436C	ECM30						-1.80	1
YPR184W	GDB1						-2.10	1
YOL064C	MET22						-1.90	1
YPR067W	ISA2						-2.15	1
YKR052C	MRS4						-1.90	1
YJR130C	STR2						-2.10	1
YKL101W	HSL1						-1.60	1
YHR001W-A	QCR10						-1.50	1
YIL156W	UBP7						-1.60	1
YNL239W	LAP3						-1.70	1
YBL067C	UBP13						-1.85	1
YPL145C	KES1						-1.65	1
YKL121W							-1.70	1
YJL204C	RCY1						-1.45	1
YNL314W	DAL82						-1.70	1
YBR134W							-1.50	1
YBL072C	RPS8A						-1.50	1
YAL055W	PEX22						-1.50	1
YDR098C	GRX3						-1.60	1
YMR023C	MSS1						-1.40	1
YLR199C							-1.40	1
YJL178C	ATG27						-1.40	1
YJL185C							-1.40	1
YOR216C	RUD3						-2.45	1
YOL025W	LAG2						-1.55	1
YNR039C	ZRG17						-1.45	1
YMR015C	ERG5						-1.30	1
YDL203C	ACK1						-1.30	1
YJR152W	DAL5						-1.30	1
YIL074C	SER33						-1.30	1
YGL209W	MIG2						-1.20	1
YOR132W	VPS17						-1.20	1
YOR246C							-1.30	1
YHR061C	GIC1						-1.10	1
YJR053W	BFA1						-1.25	1
YEL053C	MAK10						-1.10	1
YML021C	UNG1						-1.10	1
YBR290W	BSD2						-1.10	1
YLL032C							-1.20	1
YDL189W	RBS1						-1.00	1
YGR170W	PSD2						-1.65	1
YBR233W	PBP2						-1.00	1
YBL009W	ALK2						-1.00	1
YBL056W	PTC3						-1.35	1
YJL142C	IRC9						-1.10	1
YOR195W	SLK19						-0.90	1
YBL078C	ATG8						-0.90	1

ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YOL047C							-0.90	1
YPL166W	ATG29						-0.95	1
YJR140C	HIR3						-0.95	1
YKL185W	ASH1						-0.80	1
YDR218C	SPR28						-0.80	1
YKR023W							-0.80	1
YKR032W							-0.80	1
YIL065C	FIS1						0.90	1
YER110C	KAP123						0.80	1
YIL015W	BAR1						0.80	1
YDL094C							0.80	1
YBR246W							0.90	1
YDR259C	YAP6						0.85	1
YNR030W	ALG12						0.90	1
YHR082C	KSP1						0.90	1
YNR006W	VPS27						0.90	1
YMR287C	DSS1						1.20	1
YMR039C	SUB1						1.00	1
YDL142C	CRD1						1.00	1
YNR036C							1.00	1
YLR292C	SEC72						1.10	1
YLR172C	DPH5						1.10	1
YAL058W	CNE1						1.10	1
YLR398C	SKI2						1.10	1
YOR045W	TOM6						1.10	1
YOL006C	TOP1						1.35	1
YGR144W	THI4						1.20	1
YGR072W	UPF3						1.10	1
YLL010C	PSR1						1.10	1
YGL007W	BRP1						1.20	1
YDL122W	UBP1						1.25	1
YHR147C	MRPL6						1.20	1
YDR225W	HTA1						1.30	1
YGR034W	RPL26B						1.30	1
YPL270W	MDL2						1.25	1
YLR190W	MMR1						1.30	1
YLR402W							1.30	1
YBR288C	APM3						1.30	1
YML081W							1.40	1
YBL047C	EDE1						1.40	1
YNL227C	JJJ1						1.40	1
YDL002C	NHP10						1.50	1
YDL074C	BRE1						1.50	1
YOR141C	ARP8						1.50	1
YML001W	YPT7						1.50	1
YGL003C	CDH1						1.50	1
YNL096C	RPS7B						1.50	1
YMR219W	ESC1						1.55	1
YDR350C	ATP22						1.85	1
YMR190C	SGS1						1.50	1
YDR377W	ATP17						1.70	1
YDR080W	VPS41						1.50	1
YDR048C							1.60	1
YLR143W							1.50	1
YGL078C	DBP3						1.55	1
YBR131W	CCZ1						1.60	1
YDR295C	HDA2						1.40	1

ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YPL253C	VIK1						1.75	1
YDR025W	RPS11A						1.60	1
YGL072C							1.70	1
YGR162W	TIF4631						2.05	1
YNL252C	MRPL17						1.75	1
YJL052W	TDH1						1.45	1
YIL112W	HOS4						1.65	1
YKR035C	OPI8						1.80	1
YDR101C	ARX1						1.95	1
YDL192W	ARF1						1.70	1
YPR173C	VPS4						1.95	1
YGL014W	PUF4						1.85	1
YNL215W	IES2						1.80	1
YDL095W	PMT1						1.80	1
YDR194C	MSS116						2.25	1
YNL003C	PET8						1.90	1
YDL090C	RAM1						1.95	1
YOL004W	SIN3						1.70	1
YDL083C	RPS16B						2.15	1
YBR106W	PHO88						1.80	1
YOR096W	RPS7A						2.10	1
YLR368W	MDM30						1.85	1
YMR064W	AEP1						1.95	1
YDL198C	GGC1						1.90	1
YDR174W	HMO1						2.35	1
YMR098C							2.55	1
YLR193C	UPS1						2.15	1
YDR393W	SHE9						2.15	1
YPL097W	MSY1						1.95	1
YNL228W							2.10	1
YCR077C	PAT1						2.75	1
YDR512C	EMI1						2.10	1
YLR358C							2.10	1
YMR282C	AEP2						2.35	1
YDR337W	MRPS28						2.20	1
YMR123W	PKR1						2.20	1
YNL284C	MRPL10						2.30	1
YIL047C	SYG1						2.20	1
YIL093C	RSM25						2.45	1
YCL016C	DCC1						2.20	1
YDR298C	ATP5						2.85	1
YJL180C	ATP12						2.30	1
YBR268W	MRPL37						2.55	1
YKL016C	ATP7						2.60	1
YNR020C							2.30	1
YCR028C-A	RIM1						2.55	1
YDR175C	RSM24						2.80	1
YML061C	PIF1						2.70	1
YGL064C	MRH4						2.90	1
YDR237W	MRPL7						2.60	1
YEL050C	RML2						2.85	1
YDR140W	MTQ2						2.80	1
YPL005W	AEP3						2.80	1
YDR115W							2.75	1
YER077C							2.85	1
YLL006W	MMM1						3.30	1
YHR178W	STB5				-1.90			1

ORF	Gene	5 generations			15 generations			# of hits
		37.5μM	75μM	150μM	37.5μM	75μM	150μM	
YOR221C	MCT1				-1.70			1
YLR425W	TUS1					-2.20		1
YKR024C	DBP7					-1.90		1
YNL225C	CNM67					-1.90		1
YHR167W	THP2					-1.60		1
YDR035W	ARO3					-0.80		1
YNL041C	COG6					0.70		1
YOR379C						0.80		1
YLR111W						0.90		1
YLR180W	SAM1					1.00		1
YLR017W	MEU1					1.10		1
YNL148C	ALF1					1.20		1
YEL046C	GLY1					1.70		1
YCR028C	FEN2					1.80		1
YPR101W	SNT309					2.90		1
YNL046W							-5.00	1
YBR213W	MET8						-3.90	1
YHR030C	SLT2						-3.80	1
YEL003W	GIM4						-3.80	1
YDR017C	KCS1						-3.70	1
YHL025W	SNF6						-3.40	1
YPR070W	MED1						-3.10	1
YML073C	RPL6A						-2.80	1
YNL070W	TOM7						-2.70	1
YNL107W	YAF9						-2.70	1
YPR119W	CLB2						-2.60	1
YOR198C	BFR1						-2.60	1
YPR120C	CLB5						-2.60	1
YPL049C	DIG1						-2.50	1
YDR388W	RVS167						-2.50	1
YFL025C	BST1						-2.40	1
YKR020W	VPS51						-2.40	1
YHR029C	YHI9						-2.30	1
YGL163C	RAD54						-2.30	1
YKR048C	NAP1						-2.30	1
YGL012W	ERG4						-2.20	1
YPL042C	SSN3						-2.10	1
YHL044W							-2.10	1
YBL046W	PSY4						-2.00	1
YLR423C	ATG17						-2.00	1
YLL027W	ISA1						-2.00	1
YDL213C	NOP6						-1.90	1
YHR087W							-1.90	1
YPL226W	NEW1						-1.90	1
YCR094W	CDC50						-1.90	1
YJR075W	HOC1						-1.90	1
YDL190C	UFD2						-1.90	1
YCL063W	VAC17						-1.80	1
YPL077C							-1.80	1
YMR214W	SCJ1						-1.80	1
YHR013C	ARD1						-1.70	1
YDR255C	RMD5						-1.70	1
YGL220W							-1.70	1
YJL157C	FAR1						-1.60	1
YJL013C	MAD3						-1.60	1
YMR054W	STV1						-1.60	1
YGL086W	MAD1						-1.60	1

ORF	Gene	5 generations			15 generations			# of hits
		37.5µM	75µM	150µM	37.5µM	75µM	150µM	
YLR374C							-1.60	1
YNL111C	CYB5						-1.60	1
YDR456W	NHX1						-1.60	1
YLR252W							-1.50	1
YBR208C	DUR1,2						-1.50	1
YBL017C	PEP1						-1.40	1
YKL076C	PSY1						-1.40	1
YJL210W	PEX2						-1.40	1
YKL025C	PAN3						-1.40	1
YLR375W	STP3						-1.40	1
YGL252C	RTG2						-1.30	1
YFR049W	YMR31						-1.30	1
YHR104W	GRE3						-1.30	1
YHL002W	HSE1						-1.30	1
YCL009C	ILV6						-1.20	1
YGL062W	PYC1						-1.20	1
YPL154C	PEP4						-1.20	1
YBR215W	HPC2						-1.20	1
YDR007W	TRP1						-1.20	1
YNL242W	ATG2						-1.20	1
YIL014W	MNT3						-1.20	1
YMR074C							-1.20	1
YNL065W	AQR1						-1.10	1
YNL032W	SIW14						-1.10	1
YGR221C	TOS2						-1.10	1
YER089C	PTC2						-1.00	1
YOR324C	FRT1						-1.00	1
YKL040C	NFU1						-1.00	1
YOR140W	SFL1						-0.90	1
YLR390W-A	CCW14						-0.90	1
YHR073W	OSH3						-0.90	1
YOR357C	SNX3						-0.90	1
YBL043W	ECM13						-0.90	1
YGR054W							-0.90	1
YIL076W	SEC28						0.80	1
YJR056C							0.80	1
YBL081W							0.80	1
YPR179C	HDA3						0.80	1
YKL117W	SBA1						0.90	1
YJR125C	ENT3						0.90	1
YDR005C	MAF1						1.00	1
YGL087C	MMS2						1.00	1
YGL043W	DST1						1.10	1
YBR238C							1.10	1
YLR367W	RPS22B						1.10	1
YGR012W							1.10	1
YPL184C	MRN1						1.30	1
YER092W	IES5						1.30	1
YJL024C	APS3						1.30	1
YJR033C	RAV1						1.40	1
YLR412W							1.40	1
YDR500C	RPL37B						1.50	1
YGL136C	MRM2						1.50	1
YDR462W	MRPL28						1.60	1
YJL023C	PET130						1.60	1
YMR072W	ABF2						1.70	1
YPL061W	ALD6						1.70	1



ORF	Gene	5 generations			15 generations			# of hits
		37.5µM	75µM	150µM	37.5µM	75µM	150µM	
YMR139W	RIM11						1.70	1
YIL029C							1.80	1
YJL063C	MRPL8						1.80	1
YML122C							1.80	1
YKL053C-A	MDM35						1.80	1
YDR363W	ESC2						1.80	1
YPR166C	MRP2						1.80	1
YBL079W	NUP170						1.80	1
YCR098C	GIT1						1.90	1
YPL090C	RPS6A						2.00	1
YKL169C							2.00	1
YLR062C	BUD28						2.00	1
YMR216C	SKY1						2.30	1
YER074W	RPS24A						2.40	1
YPL106C	SSE1						2.50	1
YGL218W							2.60	1
YDR268W	MSW1						2.70	1
YOR293W	RPS10A						2.80	1
YMR142C	RPL13B						3.00	1
YHR010W	RPL27A						3.10	1
YKL170W	MRPL38						3.20	1
YGR160W							3.70	1
YFL036W	RPO41						4.40	1