Table S1A: List of lipids.

In total, 56 lipids and non-physiological analogs were selected from the KEGG database (Kanehisa et al, 2008). The first column provides the lipid name and the second one the abbreviation used in the present study. The non-physiological lipids are labeled with an #. The lipid classification by metabolic pathway and the chemical classification reported in Lipid MAPS (Fahy et al, 2005) are given in columns three and four respectively. Lipid supplier is indicated in column five. When available, every arrayed lipid is identified with its KEGG ID and PUBCHEM compound ID in columns six and seven respectively. Alternatively, for lipid composed by more than one molecular specie (i.e. purified from natural sources) PUBCHEM substance ID is given in column seven. Column eighth lists the LogP value estimated for each lipid using the algorithm described by Cheng*et al*., 2007 (Cheng et al, 2007). Last column lists the overall charge calculated for each lipid using Marvin 5.2.3_2 (ChemAxon, 2009). For those lipids composed of more than one molecular specie, a representative specie was chosen for the LogP and charge calculation. In this case, PUBCHEM compound ID is given in brackets.

Names	Abbreviation used	Metabolic pathway	Chemical Family (Lipid MAPS)	Supplier	KEGG ID	PUBCHEM	LogP[Cheng et al, 2007]	Charge [ChemAxon, 2009]
1-Phosphatidyl-1D-myo-inositol 3-phosphate	PtdIns(3)P	Inositol phosphate metabolism	Glycerophospholipid	Matreya	C04549	CID 643964	9.1	-2.97
1-Phosphatidyl-1D-myo-inositol 4-phosphate	PtdIns(4)P	Inositol phosphate metabolism	Glycerophospholipid	Avanti Polar Lipids	C01277	SID 4496	(CID 643965) 9.1	-2.97
1-Phosphatidyl-D-myo-inositol 4,5-bisphosphate	PtdIns(4,5)P2	Inositol phosphate metabolism	Glycerophospholipid	Avanti Polar Lipids	C04637	SID 7226	(CID 5497157) 8.3	-4.97
1-Phosphatidyl-1D-myo-inositol 3,4,5-trisphosphate	PtdIns(3,4,5)P3#	Inositol phosphate metabolism	Glycerophospholipid	Axxora	C05981	CID 643963	6.9	-6.95
1-Phosphatidyl-D-myo-inositol	PtdIns	Glycerophospholipid metabolism	Glycerophospholipid	Avanti Polar Lipids	C01194	SID 4419	(CID 194153) 10.2	-1.00
Phosphatidylserine	PS	Glycerophospholipid metabolism	Glycerophospholipid	Sigma	C02737	SID 5698	(CID 9547078) 10.2	-1.06
Phosphatidylcholine	PC	Glycerophospholipid metabolism	Glycerophospholipid	Avanti Polar Lipids	C00157	SID 3457	(CID 5497103) 13.6	-1.00
Phosphatidylglycerol	PG	Glycerophospholipid metabolism	Glycerophospholipid	Sigma	C00344	SID 3637	(CID 9547107) 12.3	-1.00
Phosphatidic acid	PA	Glycerophospholipid metabolism	Glycerophospholipid	Sigma	C00416	SID 3706	(CID 5287505) 10.7	-1.96
Cardiolipin	Cardiolipin	Glycerophospholipid metabolism	Glycerophospholipid	Sigma	C05980	SID 8259	(CID 449005) 30.5	-2.00
Phosphatidylethanolamine	PE	Glycerophospholipid metabolism	Glycerophospholipid	Sigma	C00350	SID 3643	(CID 5289131) 12.4	-0.01
Phosphatidyl-N-methylethanolamine	P-methylethanolamine	Glycerophospholipid metabolism	Glycerophospholipid	Sigma	C01241	CID 9547031	10.8	-0.01
Phosphatidyl-N-dimethylethanolamine	P-dimethylethanolamine	Glycerophospholipid metabolism	Glycerophospholipid	Sigma	C04308	CID 9547021	11.2	-0.10
Ethanolamine phosphate; O-Phosphorylethanolamine	Ethanolamine phosphate	Glycerophospholipid metabolism	Additional Metabolite	Sigma	C00346	CID 1015	-4.8	-0.95
CDP-diacylglycerol	CDP-DAG	Glycerophospholipid metabolism	Glycerophospholipid	Avanti Polar Lipids	C00269	CID 24779568	10	-2.00
CDP-choline	CDP-C	Glycerophospholipid metabolism	Additional Metabolite	Sigma	C00307	CID 13804	-4	-2.00
CDPethanolamine	CDP-E	Glycerophospholipid metabolism	Additional Metabolite	Sigma	C00570	CID 123727	-7.2	-1.01
3-ketodihydrosphingosine	3-ketodihydrosphingosine	Sphingolipid metabolism	Sphingolipid	Matreya	C02934	CID 631	5.7	0.58
Dihydrosphingosine; Sphinganine	DHS	Sphingolipid metabolism	Sphingolipid	Sigma	C00836	CID 91486	5.8	0.99
Phytosphingosine	Phytosphingosine	Sphingolipid metabolism	Sphingolipid	Avanti Polar Lipids	C12144	CID 122121	4.6	0.97
Sphingosine	Sphingosine#	Sphingolipid metabolism	Sphingolipid	Avanti Polar Lipids	C00319	CID 6604741	5.3	0.99
Dihydrosphingosine-1-phosphate; Sphinganine-1-phosphate	DHS-1P	Sphingolipid metabolism	Sphingolipid	Avanti Polar Lipids	C01120	CID 644260	2.4	-0.96
Phytosphingosine-1-phosphate	Phytosphingosine-1P	Sphingolipid metabolism	Sphingolipid	Avanti Polar Lipids	-	CID 10883829	1.3	-0.99
Sphingosine 1-phosphate	Sphingosine-1P#	Sphingolipid metabolism	Sphingolipid	Avanti Polar Lipids	C06124	CID 5283560	1.9	-0.96
Dihydroceramide; N-acylsphinganine	Dihydroceramide	Sphingolipid metabolism	Sphingolipid	Avanti Polar Lipids	C12126	CID 2510	9	0.00
N-Acyl-Phytosphingosine C8	Phytoceramide C8	Sphingolipid metabolism	Sphingolipid	Matreya	C12145	CID 9803493	7.9	0.00
N-Acyl-Phytosphingosine C18	Phytoceramide C18	Sphingolipid metabolism	Sphingolipid	Avanti Polar Lipids	C12145	CID 10303767	13.3	0.00
Ceramide; N-acylsphingosine	Ceramide#	Sphingolipid metabolism	Sphingolipid	Matreya	C00195	SID 3495	(CID 5283565) 13.9	0.00
CoA	CoA	Fatty acid metabolism	Additional Metabolite	Sigma	C00010	CID 6816	-5.8	-3.98
Acetyl-CoA	Acetyl-CoA	Fatty acid metabolism	Fatty acyl	Sigma	C00024	CID 6302	-5.6	-3.98
Acetoacetyl-CoA	Acetoacetyl-CoA	Fatty acid metabolism	Fatty acyl	Sigma	C00332	CID 439214	-5.8	-3.98
(S)-3-Hydroxy-3-methylglutaryl-CoA	3-OH-3methylglutaryl-CoA	Fatty acid metabolism	Fatty acyl	Sigma	C00356	CID 439218	-6.6	-4.98
Palmitoyl-CoA	Palmitoyl-CoA	Fatty acid metabolism	Fatty acyl	Avanti Polar Lipids	C00040	CID 644109	1.7	-3.98
(3S)-3-Hydroxystearoyl-CoA	α-Ohstearoyl-CoA#	Fatty acid metabolism	Fatty acyl	Avanti Polar Lipids	C00640	CID 193774	2	-3.98
L-serine	L-serine	Fatty acid metabolism	Fatty acyl	Sigma	C00065	CID 5951	-3.1	-0.03
Hexadecanoic acid	Hexadecanoic	Fatty acid metabolism	Fatty acyl	Sigma	C00249	CID 985	6.4	-1.00
(9Z)-Octadecenoic acid	9Z-octadecanoic	Fatty acid metabolism	Fatty acyl	Sigma	C00712	CID 445639	6.5	-1.00
(9Z,12Z)-Octadecadienoic acid	9Z,12Z-octadecanoic	Fatty acid metabolism	Fatty acyl	Sigma	C01595	CID 5280450	6.8	-1.00
15(S)-HETE	15s-HETE	Fatty acid metabolism	Fatty acyl	Sigma	C04742	CID 5280724	5.1	-1.00
Acylglycerol	MAG	Glycerolipid metabolism	Glycerolipid	Sigma	C01885	CID 24699	7.4	0.00
1,2-Diacyl-sn-glycerol	DAG	Glycerolipid metabolism	Glycerolipid	Avanti Polar Lipids	C00641	CID 99931	14	0.00
Triacylglycerol	TAG	Glycerolipid metabolism	Glycerolipid	Sigma	C00422	CID 69310	12.2	0.00
1,2-Diacyl-3-beta-D-galactosyl-sn-glycerol	1,2-DA-3β-galactosylglycerol	Glycerolipid metabolism	Glycerolipid	Sigma	C03692	SID 6466	(CID 193820) 14.6	0.00
Digalactosyl-diacylglycerol	Digalactosyl-DAG	Glycerolipid metabolism	Glycerolipid	Sigma	C06037	SID 8309	(CID 4629344) 12.5	0.00
Diacylglycerol pyrophosphate	DAG-PyroP	Glycerolipid metabolism	Glycerophospholipid	Sigma	-	CID 10051843	3.2	-2.79
1-Alkyl-2-acetyl-sn-glycero-3-phosphocholine	1alkyl-2acetylglycero-3PC	Glycerolipid metabolism	Glycerophospholipid	Sigma	C04598	SID 24898858	(CID 2499) 6.5	-1.00
1-Acyl-sn-glycerol 3-phosphate	1acyl-glycerol-3P	Glycerolipid metabolism	Glycerophospholipid	Axxora	C00681	CID 89566	5	-1.94
Geranyl diphosphate	GeranylPP	Sterol and prenol metabolism	Prenol Lipids	Sigma	C00341	CID 445995	0.7	-2.79

trans,trans-Farnesyl diphosphate; Farnesyl diphosphate; Farnesyl pyrophosphate; 2-trans,6-trans-Farnesyl diphosphate	FarnesylPP	Sterol and prenol metabolism	Prenol Lipids	Sigma	C00448	CID 445713	2.6	-2.79
Geranylgeranyl diphosphate; Geranylgeranyl pyrophosphate; all-trans-Geranylgeranyl diphosphate; all-trans-Geranylgeranyl pyrophosphate	GeranylgeranylPP	Sterol and prenol metabolism	Prenol Lipids	Sigma	C00353	CID 447277	4.4	-2.79
Squalene; Spinacene; Supraene	Squalene	Sterol and prenol metabolism	Prenol Lipids	Sigma	C00751	CID 5280370	11.6	0.00
Ubiquinone; Coenzyme Q; CoQ; Q	CoenzymeQ	Sterol and prenol metabolism	Prenol Lipids	Sigma	C00399	CID 5283544	12	0.00
Dolichol	Dolichol	Sterol and prenol metabolism	Prenol Lipids	Avanti Polar Lipids	C00381	SID 3671	(CID 24892719) 8.8	0.00
Ergosterol; Provitamin D2	Ergosterol	Sterol and prenol metabolism	Sterol Lipids	Sigma	C01694	CID 444679	7.4	0.00
Desmosterol; 24-Dehydrocholesterol; Cholesta-5,24-dien-3beta-ol	Desmosterol	Sterol and prenol metabolism	Sterol Lipids	Sigma	C01802	CID 439577	8.3	0.00
Ergocalciferol	Ergocalciferol	Sterol and prenol metabolism	Sterol Lipids	Sigma	C05441	CID 5280793	7.4	0.00

Table S1B: List of all selected TAP-fusions.

In total, 172 TAP-fusions were selected. The first and second columns give the systematic ORF and gene names, respectively. Third column gives the Uniprot (The UniProt Consortium, 2008) accession number for one of the predicted human orthologs. The presence of LBDs and protein classification are given in column four. When available, we also include information on affinity (Kd) for binding to a particular lipid binding in column five; the source PubMed reference is indicated in column six. The annotation "Domain" indicates experiments performed with truncated domains. An estimation of the level of TAP-fusion expression in yeast cells is represented in a scale from 1 (lowest) to 5 (highest) in column seven. Finally, TAP-tagged proteins expressed in *E. coli* are indicated with a "+" in column eight.

[a] Ecm25 has a cryptic CRAL/TRIO domain (present study)

[b] Ira2: prediction of a PH and CRAL/TRIO (Sec14) domain based on the structure of an homolog (D'Angelo, 2006)

ORF	Gene Name	Orthologs	LBD	Affinities (Kd)	PMID	Expression levels 1 lowest, 5 highest	Recombinant expression in *E. coli*
YAL041W	Cdc24	O43307	PH			4	
YAR042W	Swh1	P22059	PH/OBP	PH Domain PI4,5P 3microM PI3,5P 3.5microM PI3P 6.2microM PI4P 2.8microM	15023338	5	
YBL007C	Sla1		Unclassified			4	
YBL060W	Yel1		PH			3	
YBL085W	Boi1		PH			1	+
YBL105C	Pkc1	P17252	C1/C2			1	
YBR102C	Exo84		PH			1	
YBR115C	Lys2		PP-binding			5	
YBR129C	Opy1		PH			2	+
YBR158W	Amn1		Unclassified			1	
YBR200W	Bem1		PX	PX Domain PI3P >100microM	11557775	5	
YBR213W	Met8		Unclassified			3	
YBR265W	Tsc10	Q06136	Enzyme			3	
YCL034W	Lsb5		ANTH/ENTH			1	
YCR009C	Rvs161	Q9NQY0	BAR			5	
YCR093W	Cdc39	A5YKK6	Unclassified			3	
YDL052C	Slc1	Q99943	Enzyme			5	
YDL113C	Atg20		PX	PX Domain PI3P >100microM	11557775	4	
YDL142C	Crd1	Q9UJA2	Enzyme			3	
YDL161W	Ent1	Q9Y6I3	ANTH/ENTH			1	
YDL205C	Hem3	P08397	Unclassified			2	
YDR103W	Ste5		PH			5	+
YDR105C	Tms1	Q13530	Serinc			5	
YDR110W	Fob1		Unclassified			4	
YDR121W	Dpb4	Q9NRF9	Unclassified			5	
YDR150W	Num1		PH	PH Domain PI4,5P 1microM PI3,5P no PI3P no PI4P no	15023338	4	
YDR153C	Ent5		ANTH/ENTH			5	+

YDR208W	Mss4	Q99755	Enzyme			3	
YDR228C	Pcf11	O94913	ANTH/ENTH			2	
YDR283C	Gcn2	Q9P2K8	lipid-regulated			5	+
YDR289C	Rtt103		ANTH/ENTH			2	
YDR294C	Dpl1	O95470	Enzyme			5	
YDR310C	Sum1		Unclassified			2	
YDR311W	Tfb1	P32780	PH			3	
YDR313C	Pib1		FYVE			3	
YDR323C	Pep7	Q9H1K0	FYVE			2	
YDR358W	Gga1	Q9UJY5	ANTH/ENTH			5	
YDR388W	Rvs167	P49418	BAR			5	
YDR425W	Snx41		PX			4	
YDR490C	Pkh1	O15530	lipid-regulated			3	+
YDR505C	Psp1		Unclassified			2	
YDR517W	Grh1		Unclassified			2	
YDR524C	Age1		Unclassified			1	
YEL002C	Wbp1	P39656	Unclassified			5	
YER091C	Met6		Unclassified			5	
YER114C	Boi2		PH	PH Domain PI4,5P 9.7microM PI3,5P 6.6microM PI3P 19.5microM PI4P 20microM	15023338	3	
YER155C	Bem2		PH			4	+
YFR002W	Nic96		Unclassified			3	
YFR006W	Yfr006w	P12955	Unclassified			5	+
YFR021W	Atg18	Q9Y484	lipid-regulated	+Mg PI(3,5)P 180nM -Mg PI(3,5)P 18nM PI(3,4)P 190nM PI(4,5)P 200nM	15103325	1	
YFR053C	Hxk1	P35557	lipid-regulated			3	
YGL001C	Erg26	Q15738	Enzyme			5	
YGL055W	Ole1	O00767	Cyt-B5			5	
YGL105W	Arc1	Q12904	lipid-regulated			4	
YGL131C	Snt2		Unclassified			1	+
YGL173C	Kem1	Q8IZH2	Unclassified			5	
YGL251C	Hfm1		Unclassified			1	
YGR080W	Twf1		lipid-regulated			2	+
YGR097W	Ask10		PH			4	
YGR100W	Mdr1		PH			5	
YGR170W	Psd2		C2			3	
YGR233C	Pho81		Unclassified			4	
YGR241C	Yap1802	Q13492	ANTH/ENTH			5	+
YHL002W	Hse1	Q92783	ANTH/ENTH			4	
YHR001W	Osh7	Q9H0X9	OBP			4	
YHR073W	Osh3	Q9H4L5	PH/OBP			1	+
YHR105W	Ypt35		PX	PX Domain PI3P 0.15-0.5microM	11557775	4	

YHR108W	Gga2	Q9UJY5	ANTH/ENTH			4	
YHR131C	Yhr131c		PH			1	
YHR155W	Ysp1		PH			5	
YHR161C	Yap1801	Q13492	ANTH/ENTH			5	
YHR178W	Stb5		Unclassified			2	
YHR193C	Egd2	Q13765	lipid-regulated			3	
YHR205W	Sch9		C2			5	
YIL007C	Nas2	O00233	PDZ			1	
YIL043C	Cbr1	Q6BCY4	Unclassified			2	
YIL063C	Yrb2	Q9H6Z4	PH			4	
YIL105C	Slm1		PH			5	+
YIL128W	Met18		Unclassified			2	
YIL151C	Yil151c		Unclassified			1	
YJL036W	Snx4		PX	PX Domain PI3P >100microM	11557775	2	
YJL097W	Phs1		Enzyme			1	
YJL145W	Yjl145w		CRAL/TRIO			3	+
YJL157C	Far1		Unclassified			1	
YJL201W	Ecm25		Unclassified [a]			2	
YJR092W	Bud4		PH			3	
YJR130C	Str2		Unclassified			1	
YKL088W	Ykl088w		Enzyme			4	
YKL091C	Ykl091c	Q92503	CRAL/TRIO			5	
YKL092C	Bud2	Q15283	C2			2	
YKL114C	Apn1		Unclassified			1	
YKL126W	Ypk1	O00141	lipid-regulated			5	
YKL192C	Acp1	O14561	PP-binding			1	
YKL194C	Mst1		Unclassified			1	
YKR003W	Osh6	Q9H0X9	OBP			4	
YKR031C	Spo14	Q13393	PH/PX			1	
YKR054C	Dyn1	Q14204	Unclassified			1	
YKR078W	Ykr078w		PX			1	
YKR081C	Rpf2		Unclassified			3	+
YLL001W	Dnm1	O00429	Unclassified			4	
YLL038C	Ent4		ANTH/ENTH			1	
YLR100W	Erg27	P56937	Enzyme			5	
YLR178C	Tfs1	P30086	PBP			3	
YLR179C	Ylr179c	P30086	PBP			1	
YLR187W	Skg3		PH			3	
YLR189C	Atg26		PH			4	
YLR206W	Ent2	Q9Y6I3	ANTH/ENTH			3	
YLR260W	Lcb5	Q9NYA1	Enzyme			3	
YLR298C	Yhc1		Unclassified			4	
YLR335W	Nup2		PH			4	
YLR336C	Sgd1		Unclassified			2	
YLR371W	Rom2	Q9NR81	PH			3	+
YLR380W	Csr1		CRAL/TRIO			5	+
YLR425W	Tus1		PH			3	+
YML052W	Sur7		lipid-regulated			5	+

YML054C	Cyb2	Q9UJM8	Cyt-B5			5	
YML072C	Tcb3	Q14183	C2			5	
YML112W	Ctk3		Unclassified			2	
YML126C	Erg13	Q01581	Enzyme			4	
YMR004W	Mvp1		PX			4	
YMR015C	Erg5		Enzyme			4	
YMR073C	Ymr073c		Cyt-B5			2	
YMR079W	Sec14	Q92503	CRAL/TRIO	PI 381 nM	12767229	5	+
YMR083W	Adh3		Unclassified			4	
YMR104C	Ypk2	O00141	lipid-regulated			4	
YMR108W	Ilv2		lipid-regulated			4	
YMR113W	Fol3		Unclassified			4	
YMR127C	Sas2		Unclassified			1	
YMR170C	Ald2		Unclassified			5	
YMR208W	Erg12	Q03426	Enzyme			5	
YMR272C	Scs7		Cyt-B5			5	
YMR308C	Pse1	O00410	Unclassified			5	
YNL047C	Slm2		PH			3	
YNL087W	Tcb2	Q14183	C2			3	
YNL111C	Cyb5	P00167	Cyt-B5			5	
YNL127W	Far11		Unclassified			3	
YNL135C	Fpr1	P62942	Unclassified			4	
YNL144C	Ynl144c		PH			1	
YNL201C	Psy2		PH			2	
YNL231C	Pdr16		CRAL/TRIO			1	
YNL243W	Sla2	O00291	ANTH/ENTH			4	+
YNL251C	Nrd1		ANTH/ENTH			4	
YNL264C	Pdr17		CRAL/TRIO			2	
YNL278W	Caf120		PH			3	
YNL298W	Cla4		PH	PH Domain PI4,5P 20.4microM PI3,5P 20.2microM PI3P >100microM PI4P >100microM	15023338	1	
YNR006W	Vps27	O14964	FYVE/ANTH/ENTH			4	+
YNR043W	Mvd1	P53602	Enzyme			4	
YOL081W	Ira2		Unclassified [b]			1	
YOL100W	Pkh2	O15530	lipid-regulated			4	
YOL113W	Skm1		PH	PH Domain PI4,5P 3.9microM PI3,5P 6.4microM PI3P 8microM PI4P 8.2microM	15023338	3	
YOL139C	Cdc33	P06730	lipid-regulated			4	
YOL149W	Dcp1	Q9NPI6	PH			4	
YOR132W	Vps17		PX	PX Domain PI3P >100microM	11557775	4	
YOR171C	Lcb4	Q9NRA0	Enzyme			3	
YOR181W	Las17	P42768	PH			1	

YOR227W	Her1		Unclassified			4	+
YOR254C	Sec63	Q9UGP8	Unclassified			5	+
YPL004C	Lsp1		lipid-regulated			4	+
YPL028W	Erg10	P24752	Enzyme			1	
YPL069C	Bts1	O95749	Enzyme			5	
YPL115C	Bem3		PH/PX	PX Domain PI3P >100microM	11557775	4	
YPL117C	Idi1	Q13907	Enzyme			4	
YPL145C	Kes1		OBP			4	+
YPL150W	Ypl150w		Unclassified			2	
YPL170W	Dap1	O00264	Cyt-B5			1	
YPL243W	Srp68	Q9UHB9	Unclassified			5	
YPR019W	Mcm4	P33991	Unclassified			3	
YPR091C	Ypr091c		PH			3	+
YPR095C	Syt1		PH			4	
YPR097W	Ypr097w		PX			5	
YPR174C	Ypr174c		Unclassified			1	
YPR181C	Sec23		Unclassified			1	

Table S2A: Lipid-array interactions: raw data

This table summarizes protein-lipid interactions detected with lipid-arrays. It includes both the 26 replicates performed and the interactions confirmed with recombinant proteins. The first and second columns give the systematic ORF and gene names, respectively. The first row lists the 56 lipids analyzed. Replicates are shown consecutively in the table and TAP-fusions expressed in *E. coli* are indicated with an *. Non-physiological lipids are labeled with an #.

	Protein-lipid interactions
*	Protein-lipid interactions also detected with recombinantly expressed proteins

ORF	Gene Name	PtdIns(3)P	PtdIns(4)P	PtdIns(4,5)P2	PtdIns(3,4,5)P3#	PtdIns	PS	PC	PG	PA	Cardiolipin	PE	P-methylethanolamine	P-dimethylethanolamine	Ethanolamine phosphate	CDP-DAG	CDP-C	CDP-E	3-ketodihydrosphingosine	DHS	Phytosphingosine	Sphingosine#	DHS-1P	Phytosphingosine-1P	Sphingosine-1P#	Dihydroceramide	Phytoceramide C8	Phytoceramide C18	Ceramide#	CoA	Acetyl-CoA	Acetoacetyl-CoA	3-OH-3methylglutaryl-CoA	Palmitoyl-CoA	α-OHstearoyl-CoA#	L-serine	Hexadecanoic	9Z-octadecanoic	9Z,12Z-octadecanoic	15s-HETE	MAG	DAG	TAG	1,2-DA-3β-galactosylglycerol	Digalactosyl-DAG	DAG-PyroP	1alkyl-2acetylglycero-3PC	1acyl-glycerol-3P	GeranylPP	FarnesylPP	GeranylgeranylPP	Squalene	CoenzymeQ	Dolichol	Ergosterol	Desmosterol	Ergocalciferol
YAL041W	Cdc24																																																								
YAR042W	Swh1																																																								
YBL007C	Sla1																																																								
YBL060W	Yel1																																																								
YBL085W*	Boi1						*		*	*													*																																		
YBL105C	Pkc1																																																								
YBR102C	Exo84																																																								
YBR115C	Lys2																																																								
YBR129C*	Opy1		*	*			*		*	*	*												*																																		
YBR129C*	Opy1		*	*			*		*	*	*												*																																		
YBR158W	Amn1																																																								
YBR200W	Bem1																																																								
YBR200W	Bem1																																																								
YBR213W	Met8																																																								
YBR265W	Tsc10																																																								
YCL034W	Lsb5																																																								
YCR009C	Rvs161																																																								
YCR093W	Cdc39																																																								
YDL052C	Slc1																																																								
YDL113C	Atg20																																																								
YDL113C	Atg20																																																								
YDL113C	Atg20																																																								
YDL142C	Crd1																																																								
YDL161W	Ent1																																																								
YDL205C	Hem3																																																								
YDR103W*	Ste5		*	*	*		*		*	*	*																																														
YDR105C	Tms1																																																								
YDR110W	Fob1																																																								
YDR110W	Fob1																																																								
YDR121W	Dpb4																																																								
YDR121W	Dpb4																																																								
YDR121W	Dpb4																																																								
YDR150W	Num1																																																								

YDR153C*	Ent5		*	*			*		*	*	*												*																																		
YDR153C*	Ent5	*	*	*	*		*		*	*	*												*																																		
YDR153C*	Ent5	*	*	*	*		*		*	*	*												*																																		
YDR208W	Mss4																																																								
YDR228C	Pcf11																																																								
YDR283C*	Gcn2			*																																																					
YDR283C*	Gcn2			*																																																					
YDR283C*	Gcn2			*																																																					
YDR289C	Rtt103																																																								
YDR294C	Dpl1																																																								
YDR310C	Sum1																																																								
YDR311W	Tfb1																																																								
YDR313C	Pib1																																																								
YDR323C	Pep7																																																								
YDR358W	Gga1																																																								
YDR388W	Rvs167																																																								
YDR425W	Snx41																																																								
YDR425W	Snx41																																																								
YDR425W	Snx41																																																								
YDR490C*	Pkh1		*	*			*		*	*	*												*																																		
YDR490C*	Pkh1		*	*			*		*	*	*	*											*																																		
YDR505C	Psp1																																																								
YDR517W	Grh1																																																								
YDR524C	Age1																																																								
YEL002C	Wbp1																																																								
YER091C	Met6																																																								
YER114C	Boi2																																																								
YER114C	Boi2																																																								
YER114C	Boi2																																																								
YER155C*	Bem2				*		*		*	*		*											*																																		
YFR002W	Nic96																																																								
YFR006W*	Yfr006w								*																																																
YFR006W*	Yfr006w								*	*																																														
YFR021W	Atg18																																																								
YFR053C	Hxk1																																																								
YGL001C	Erg26																																																								
YGL055W	Ole1																																																								
YGL105W	Arc1																																																								
YGL131C*	Snt2	*					*		*																																																
YGL173C	Kem1																																																								
YGL251C	Hfm1																																																								
YGR080W*	Twf1																																																								
YGR097W	Ask10																																																								
YGR100W	Mdr1																																																								
YGR170W	Psd2																																																								
YGR233C	Pho81																																																								
YGR241C*	Yap1802		*	*			*		*	*	*																		*																												
YHL002W	Hse1																																																								
YHR001W	Osh7																																																								
YHR001W	Osh7																																																								
YHR073W*	Osh3		*	*			*			*	*												*																																		
YHR105W	Ypt35																																																								

YHR108W	Gga2																																																				
YHR131C	Yhr131																																																				
YHR131C	Yhr131																																																				
YHR131C	Yhr131																																																				
YHR131C	Yhr131																																																				
YHR155W	Ysp1																																																				
YHR161C	Yap1801																																																				
YHR178W	Stb5																																																				
YHR193C	Egd2																																																				
YHR193C	Egd2																																																				
YHR205W	Sch9																																																				
YIL007C	Nas2																																																				
YIL043C	Cbr1																																																				
YIL063C	Yrb2																																																				
YIL105C*	Slm1			*		*	*		*	*	*	*											*																														
YIL128W	Met18																																																				
YIL151C	Yil151c																																																				
YJL036W	Snx4																																																				
YJL097W	Phs1																																																				
YJL145W*	Yjl145w		*	*			*			*	*																																										
YJL157C	Far1																																																				
YJL201W	Ecm25																																																				
YJR092W	Bud4																																																				
YJR130C	Str2																																																				
YKL088W	Ykl088w																																																				
YKL091C	Ykl091c																																																				
YKL092C	Bud2																																																				
YKL114C	Apn1																																																				
YKL126W	Ypk1																																																				
YKL192C	Acp1																																																				
YKL194C	Mst1																																																				
YKR003W	Osh6																																																				
YKR031C	Spo14																																																				
YKR054C	Dyn1																																																				
YKR078W	Ykr078w																																																				
YKR078W	Ykr078w																																																				
YKR078W	Ykr078w																																																				
YKR081C*	Rpf2						*		*	*	*													*																													
YLL001W	Dnm1																																																				
YLL038C	Ent4																																																				
YLR100W	Erg27																																																				
YLR100W	Erg27																																																				
YLR100W	Erg27																																																				
YLR178C	Tfs1																																																				
YLR179C	Ylr179c																																																				
YLR187W	Skg3																																																				
YLR189C	Atg26																																																				
YLR206W	Ent2																																																				
YLR260W	Lcb5																																																				
YLR298C	Yhc1																																																				
YLR335W	Nup2																																																				
YLR336C	Sgd1																																																				

YLR371W*	Rom2	*	*	*			*		*	*																																													
YLR380W*	Csr1		*	*			*		*	*	*	*																																										
YLR425W*	Tus1			*			*		*	*	*																																											
YML052W*	Sur7						*		*	*	*																																											
YML052W*	Sur7						*		*	*																																													
YML052W*	Sur7	*					*		*	*																																												
YML054C	Cyb2																																																								
YML072C	Tcb3																																																								
YML072C	Tcb3																																																								
YML112W	Ctk3																																																								
YML126C	Erg13																																																								
YMR004W	Mvp1																																																								
YMR015C	Erg5																																																								
YMR073C	Ymr073c																																																								
YMR079W*	Sec14						*			*	*																																											
YMR079W*	Sec14						*																																																	
YMR083W	Adh3																																																								
YMR104C	Ypk2																																																								
YMR108W	Ilv2																																																								
YMR113W	Fol3																																																								
YMR127C	Sas2																																																								
YMR170C	Ald2																																																								
YMR208W	Erg12																																																								
YMR272C	Scs7																																																								
YMR308C	Pse1																																																								
YNL047C	Slm2																																																								
YNL087W	Tcb2																																																								
YNL111C	Cyb5																																																								
YNL127W	Far11																																																								
YNL135C	Fpr1																																																								
YNL144C	Ynl144c																																																								
YNL144C	Ynl144c																																																								
YNL201C	Psy2																																																								
YNL231C	Pdr16																																																								
YNL243W*	Sla2									*													*																																		
YNL251C	Nrd1																																																								
YNL264C	Pdr17																																																								
YNL278W	Caf120																																																								
YNL298W	Cla4																																																								
YNL298W	Cla4																																																								
YNL298W	Cla4																																																								
YNL298W	Cla4																																																								
YNR006W*	Vps27									*																																															
YNR043W	Mvd1																																																								
YOL081W	Ira2																																																								
YOL100W	Pkh2																																																								
YOL113W	Skm1																																																								
YOL139C	Cdc33																																																								
YOL149W	Dcp1																																																								
YOR132W	Vps17																																																								
YOR171C	Lcb4																																																								
YOR181W	Las17																																																								

YOR227W*	Her1	*	*	*	*		*		*	*	*																																												
YOR227W*	Her1	*	*	*	*		*		*	*	*																																												
YOR227W*	Her1	*	*	*	*		*		*	*	*																																												
YOR254C*	Sec63						*		*																																														
YOR254C*	Sec63	*					*		*	*																																							*			
YOR254C*	Sec63	*					*		*	*																																							*			
YPL004C*	Lsp1		*	*			*		*	*	*																																												
YPL004C*	Lsp1				*		*		*		*																																												
YPL028W	Erg10																																																								
YPL069C	Bts1																																																								
YPL115C	Bem3																																																								
YPL117C	Idi1																																																								
YPL145C*	Kes1	*	*	*	*		*			*																																													
YPL150W	Ypl150w																																																								
YPL150W	Ypl150w																																																								
YPL170W	Dap1																																																								
YPL243W	Srp68																																																								
YPR019W	Mcm4																																																								
YPR091C*	Ypr091c			*	*		*		*			*											*																																		
YPR095C	Syt1																																																								
YPR097W	Ypr097w																																																								
YPR097W	Ypr097w																																																								
YPR097W	Ypr097w																																																								
YPR174C	Ypr174c																																																								
YPR181C	Sec23																																																								

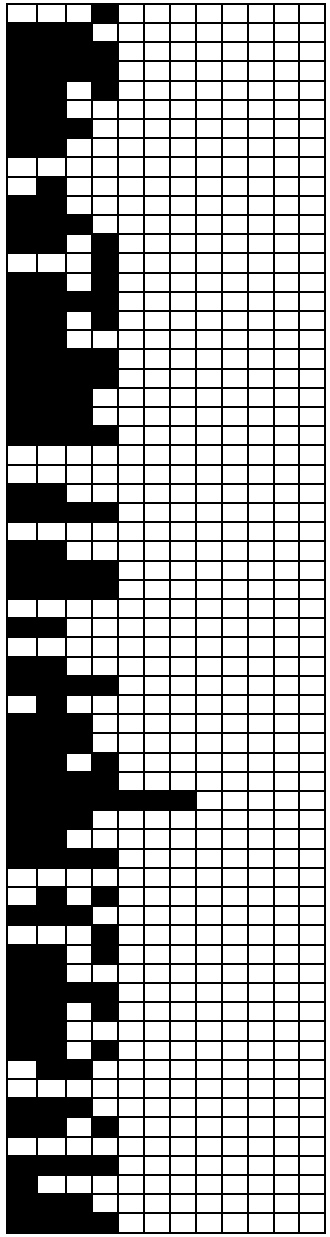
Table S2B: Consolidated lipid-array dataset.

The matrix consists of 530 protein-lipid interactions. First and second columns give the systematic ORF and gene names. The third column indicates LBDs and protein classification. The first row lists the 56 lipids analyzed. Those interactions that did not appear in two duplicates were discarded from the consolidated dataset. The interactions for those lipids that were excluded for further analysis are shown separately. Interactions reported for Slm1-PH expressed in *E. coli* are also shown. Non-physiological lipids are labeled with an #.

■ Consolidated protein-lipid interactions

ORF	Gene Name	LBD	PtdIns(3)P	PtdIns(4)P	PtdIns(4,5)P2	PtdIns(3,4,5)P3#	PtdIns	PC	Cardiolipin	PE	P-methylethanolamine	P-dimethylethanolamine	CDP-DAG	3-ketodihydrosphingosine	DHS	Phytosphingosine	Sphingosine#	DHS-1P	Phytosphingosine-1P	Sphingosine-1P#	Dihydroceramide	Phytoceramide C8	Phytoceramide C18	Ceramide#	Palmitoyl-CoA	α-OHstearoyl-CoA#	Hexadecanoic	9Z-octadecanoic	9Z,12Z-octadecanoic	15s-HETE	MAG	DAG	TAG	1,2-DA-3β-galactosylglycerol	Digalactosyl-DAG	DAG-PyroP	1alkyl-2acetylglycero-3PC	1acyl-glycerol-3P	GeranylPP	FarnesylPP	GeranylgeranylPP	Squalene	CoenzymeQ	Dolichol	Ergosterol	Ergocalciferol	PS	PG	PA	Desmosterol	Ethanolamine phosphate	CDP-C	CDP-E	CoA	Acetyl-CoA	Acetoacetyl-CoA	3-OH-3methylglutaryl-CoA	L-serine
YAL041W	Cdc24	PH																																																									
YAR042W	Swh1	PH; OBP		■																																																							
YBL007C	Sla1	Unclassified	■			■												■	■				■																																				
YBL060W	Yel1	PH																																																								
YBL085W	Boi1	PH																■																	■																							
YBL105C	Pkc1	C1; C2																																																								
YBR102C	Exo84	PH																																																								
YBR115C	Lys2	PP-binding																																																								
YBR129C	Opy1	PH		■	■				■									■																																								
YBR158W	Amn1	Unclassified																																																								
YBR200W	Bem1	PX																					■																																			
YBR213W	Met8	Unclassified																																																								
YBR265W	Tsc10	Enzyme																					■																																			
YCL034W	Lsb5	ANTH/ENTH																																																								
YCR009C	Rvs161	BAR	■			■																																																					
YCR093W	Cdc39	Unclassified																																																								
YDL052C	Slc1	Enzyme																					■																																			
YDL113C	Atg20	PX		■	■	■	■																																						■												
YDL142C	Crd1	Enzyme						■			■	■											■	■			■						■	■				■							■	■												
YDL161W	Ent1	ANTH/ENTH			■	■																																																				
YDL205C	Hem3	Unclassified																																																								
YDR103W	Ste5	PH		■	■	■			■																																																
YDR105C	Tms1	Serinc																									■						■																									
YDR110W	Fob1	Unclassified	■			■																																																				
YDR121W	Dpb4	Unclassified	■	■	■		■		■																																				■	■	■										
YDR150W	Num1	PH		■	■	■												■																																								
YDR153C	Ent5	ANTH/ENTH	■	■	■	■	■		■									■																																								
YDR208W	Mss4	Enzyme		■	■	■												■																					■																			
YDR228C	Pcf11	ANTH/ENTH	■				■																										■																									
YDR283C	Gcn2	Lipid-regulated	■		■	■				■													■																						■											
YDR289C	Rtt103	ANTH/ENTH	■		■		■		■	■																							■																									
YDR294C	Dpl1	Enzyme																■					■																																			
YDR310C	Sum1	Unclassified				■				■																																															
YDR311W	Tfb1	PH																															■												■											
YDR313C	Pib1	FYVE	■																																																						
YDR323C	Pep7	FYVE							■																								■												■											
YDR358W	Gga1	ANTH/ENTH	■	■	■		■			■													■										■												■											
YDR388W	Rvs167	BAR		■	■	■	■											■	■														■												■							■	■				
YDR425W	Snx41	PX	■	■	■	■			■	■													■																																			
YDR490C	Pkh1	Lipid-regulated		■	■		■		■	■								■																																								
YDR505C	Psp1	Unclassified																																																								
YDR517W	Grh1	Unclassified																																																								
YDR524C	Age1	Unclassified				■				■																																															
YEL002C	Wbp1	Unclassified																																																								
YER091C	Met6	Unclassified		■	■																		■												■										■													
YER114C	Boi2	PH	■	■	■	■												■	■																																							
YER155C	Bem2	PH				■				■								■																																								

YFR002W	Nic96	Unclassified
YFR006W	Yfr006w	Unclassified
YFR021W	Atg18	Lipid-regulated
YFR053C	Hxk1	Lipid-regulated
YGL001C	Erg26	Enzyme
YGL055W	Ole1	Cyt-b5
YGL105W	Arc1	Lipid-regulated
YGL131C	Snt2	Unclassified
YGL173C	Kem1	Unclassified
YGL251C	Hfm1	Unclassified
YGR080W	Twf1	Lipid-regulated
YGR097W	Ask10	PH
YGR100W	Mdr1	PH
YGR170W	Psd2	C2
YGR233C	Pho81	Unclassified
YGR241C	Yap1802	ANTH/ENTH
YHL002W	Hse1	ANTH/ENTH
YHR001W	Osh7	OBP
YHR073W	Osh3	PH; OBP
YHR105W	Ypt35	PX
YHR108W	Gga2	ANTH/ENTH
YHR131C	Yhr131c	PH
YHR155W	Ysp1	PH
YHR161C	Yap1801	ANTH/ENTH
YHR178W	Stb5	Unclassified
YHR193C	Egd2	Lipid-regulated
YHR205W	Sch9	C2
YIL007C	Nas2	PDZ
YIL043C	Cbr1	Unclassified
YIL063C	Yrb2	PH
YIL105C	Slm1	PH
YIL128W	Met18	Unclassified
YIL151C	Yil151c	Unclassified
YJL036W	Snx4	PX
YJL097W	Phs1	Enzyme
YJL145W	Yjl145w	CRAL/TRIO
YJL157C	Far1	Unclassified
YJL201W	Ecm25	Unclassified
YJR092W	Bud4	PH
YJR130C	Str2	Unclassified
YKL088W	Ykl088w	Enzyme
YKL091C	Ykl091c	CRAL/TRIO
YKL092C	Bud2	C2
YKL114C	Apn1	Unclassified
YKL126W	Ypk1	Lipid-regulated
YKL192C	Acp1	PP-binding
YKL194C	Mst1	Unclassified
YKR003W	Osh6	OBP
YKR031C	Spo14	PH; PX
YKR054C	Dyn1	Unclassified
YKR078W	Ykr078w	PX
YKR081C	Rpf2	Unclassified
YLL001W	Dnm1	Unclassified
YLL038C	Ent4	ANTH/ENTH
YLR100W	Erg27	Enzyme
YLR178C	Tfs1	PBP
YLR179C	Ylr179c	PBP
YLR187W	Skg3	PH
YLR189C	Atg26	PH
YLR206W	Ent2	ANTH/ENTH
YLR260W	Lcb5	Enzyme
YLR298C	Yhc1	Unclassified
YLR335W	Nup2	PH
YLR336C	Sgd1	Unclassified



YLR371W	Rom2	PH
YLR380W	Csr1	CRAL/TRIO
YLR425W	Tus1	PH
YML052W	Sur7	Lipid-regulated
YML054C	Cyb2	Cyt-b5
YML072C	Tcb3	C2
YML112W	Ctk3	Unclassified
YML126C	Erg13	Enzyme
YMR004W	Mvp1	PX
YMR015C	Erg5	Enzyme
YMR073C	Ymr073c	Cyt-b5
YMR079W	Sec14	CRAL/TRIO
YMR083W	Adh3	Unclassified
YMR104C	Ypk2	Lipid-regulated
YMR108W	Ilv2	Lipid-regulated
YMR113W	Fol3	Unclassified
YMR127C	Sas2	Unclassified
YMR170C	Ald2	Unclassified
YMR208W	Erg12	Enzyme
YMR272C	Scs7	Cyt-b5
YMR308C	Pse1	Unclassified
YNL047C	Slm2	PH
YNL087W	Tcb2	C2
YNL111C	Cyb5	Cyt-b5
YNL127W	Far11	Unclassified
YNL135C	Fpr1	Unclassified
YNL144C	Ynl144c	PH
YNL201C	Psy2	PH
YNL231C	Pdr16	CRAL/TRIO
YNL243W	Sla2	ANTH/ENTH
YNL251C	Nrd1	ANTH/ENTH
YNL264C	Pdr17	CRAL/TRIO
YNL278W	Caf120	PH
YNL298W	Cla4	PH
YNR006W	Vps27	FYVE; ANTH/ENTH
YNR043W	Mvd1	Enzyme
YOL081W	Ira2	Unclassified
YOL100W	Pkh2	Lipid-regulated
YOL113W	Skm1	PH
YOL139C	Cdc33	Lipid-regulated
YOL149W	Dcp1	PH
YOR132W	Vps17	PX
YOR171C	Lcb4	Enzyme
YOR181W	Las17	PH
YOR227W	Her1	Unclassified
YOR254C	Sec63	Unclassified
YPL004C	Lsp1	Lipid-regulated
YPL028W	Erg10	Enzyme
YPL069C	Bts1	Enzyme
YPL115C	Bem3	PH; PX
YPL117C	Idi1	Enzyme
YPL145C	Kes1	OBP
YPL150W	Ypl150w	Unclassified
YPL170W	Dap1	Cyt-b5
YPL243W	Srp68	Unclassified
YPR019W	Mcm4	Unclassified
YPR091C	Ypr091c	PH
YPR095C	Syt1	PH
YPR097W	Ypr097w	PX
YPR174C	Ypr174c	Unclassified
YPR181C	Sec23	Unclassified
Slm1-PH		PH

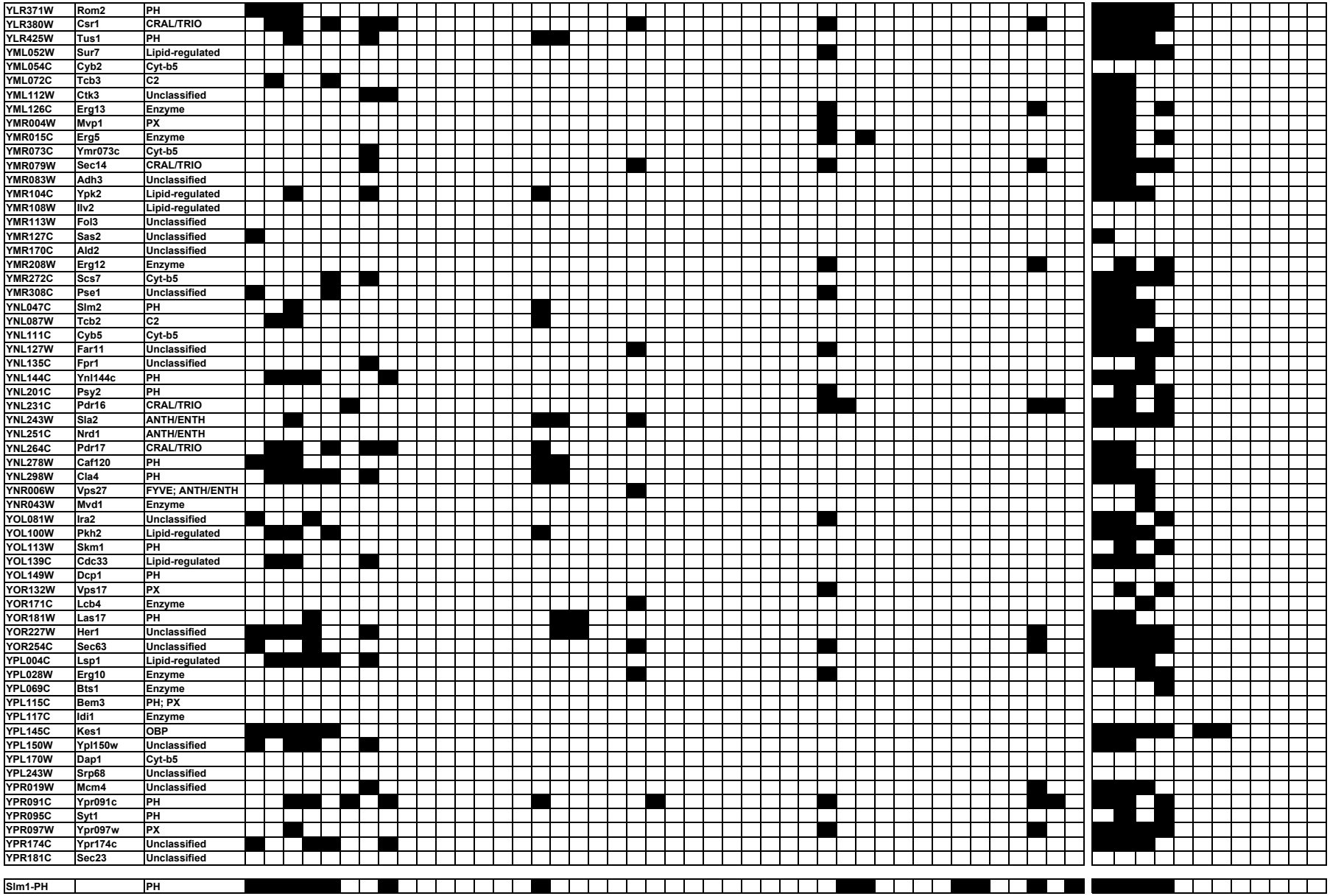


Table S2C: Integrated lipid-array dataset.

The matrix consists of 530 protein-lipid interactions and their supporting evidence. First and second columns give the systematic ORF and gene names. The third column indicates LBDs and protein classification. The first row lists the 44 lipids remaining after removing those lipids excluded for further analysis.Those interactions that did not appear in two duplicates were discarded from the consolidated dataset. Non-physiological lipids are labeled with an #.
Supporting evidence are letter coded according to the protein-lipid interaction is supported by: R, Replicates with the lipid-array; E, recombinant protein expressed in *E. coli;* G, Genetic interactions; S, sphingolipid depletion with Myriocin; P, PtdInsPs depletion with *Mss4* [ts]; L, Liposome based assays.

ORF	Gene Name	LBD	PtdIns(3)P	PtdIns(4)P	PtdIns(4,5)P2	PtdIns(3,4,5)P3#	PtdIns	PC	Cardiolipin	PE	P-methylethanolamine	P-dimethylethanolamine	CDP-DAG	3-ketodihydrosphingosine	DHS	Phytosphingosine	Sphingosine#	DHS-1P	Phytosphingosine-1P	Sphingosine-1P#	Dihydroceramide	Phytoceramide C8	Phytoceramide C18	Ceramide#	Palmitoyl-CoA	α-Ohstearoyl-CoA#	Hexadecanoic	9Z-octadecanoic	9Z,12Z-octadecanoic	15s-HETE	MAG	DAG	TAG	1,2-DA-3β-galactosylglycerol	Digalactosyl-DAG	DAG-PyroP	1alkyl-2acetylglycero-3PC	1acyl-glycerol-3P	GeranylPP	FarnesylPP	GeranylgeranylPP	Squalene	CoenzymeQ	Dolichol	Ergosterol	Ergocalciferol
YAL041W	Cdc24	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YAR042W	Swh1	PH; OBP	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBL007C	Sla1	Unclassified	1 G	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	1 G	1 G	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBL060W	Yel1	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBL085W	Boi1	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
YBL105C	Pkc1	C1; C2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBR102C	Exo84	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBR115C	Lys2	PP-binding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBR129C	Opy1	PH	0	1 R,E	1 R,E	0	0	0	1 R,E	0	0	0	0	0	0	0	0	1 R,E,S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBR158W	Amn1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBR200W	Bem1	PX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBR213W	Met8	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBR265W	Tsc10	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G,S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YCL034W	Lsb5	ANTH/ENTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YCR009C	Rvs161	BAR	1 P	0	0	1 P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YCR093W	Cdc39	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDL052C	Slc1	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDL113C	Atg20	PX	0	1 R,G	1 R,G	1 R,G	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R	0	0
YDL142C	Crd1	Enzyme	0	0	0	0	0	1 G	0	0	1 G	1 G	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	1	1	0
YDL161W	Ent1	ANTH/ENTH	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDL205C	Hem3	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR103W	Ste5	PH	0	1 E	1 E	1 E	0	0	1 E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR105C	Tms1	Serinc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR110W	Fob1	Unclassified	1 R	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR121W	Dpb4	Unclassified	1 R	1 R	1 R	0	1 R	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R	1 R	1 R
YDR150W	Num1	PH	0	1 G	1 G	1 G	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR153C	Ent5	ANTH/ENTH	1 R,E,G	1 R,E,G	1 R,E,G	1 R,E,G	1 R	0	1 R,E	0	0	0	0	0	0	0	0	1 R,E,S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR208W	Mss4	Enzyme	0	1 G	1 G	1 G	1	0	0	0	0	0	0	0	0	0	0	1 G,S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
YDR228C	Pcf11	ANTH/ENTH	1	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR283C	Gcn2	Lipid-regulated	1 R,G	0	1 R,E,G	1 R,G	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R	0	0
YDR289C	Rtt103	ANTH/ENTH	1 G	0	1 G	0	1 G	0	1 G	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR294C	Dpl1	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR310C	Sum1	Unclassified	0	0	0	1	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR311W	Tfb1	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1 G	0	0
YDR313C	Pib1	FYVE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR323C	Pep7	FYVE	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YDR358W	Gga1	ANTH/ENTH	1 G	1 G	1 G	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YDR388W	Rvs167	BAR	0	1 P	1 P,L	1 P	1 G	0	0	0	0	0	0	0	0	0	0	1 G,S,L	1 G,S	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	1 G	0	0
YDR425W	Snx41	PX	1 R	1 R	1 R	1 R	0	0	1 R,G	1 R,G	0	0	0	0	0	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR490C	Pkh1	Lipid-regulated	0	1 R,E	1 R,E	0	1 R	0	1 R,E	1 R,E	0	0	0	0	0	0	0	1 R,E,G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR505C	Psp1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR517W	Grh1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YDR524C	Age1	Unclassified	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEL002C	Wbp1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YER091C	Met6	Unclassified	0	1 G	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 S	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
YER114C	Boi2	PH	1 R,G	1 R,G	1 R,G	1 R,G	0	0	0	0	0	0	0	0	0	0	0	1 R	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YER155C	Bem2	PH	0	0	0	1 E,G	0	0	0	1 E,G	0	0	0	0	0	0	0	1 E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YFR002W	Nic96	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YFR006W	Yfr006w	Unclassified	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YFR021W	Atg18	Lipid-regulated	1 G	1 G	1 G	1 G	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YFR053C	Hxk1	Lipid-regulated	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
YGL001C	Erg26	Enzyme	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	1 G	1 G	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YGL055W	Ole1	Cyt-b5	0	0	0	1	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YGL105W	Arc1	Lipid-regulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YGL131C	Snt2	Unclassified	1 E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YGL173C	Kem1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YGL251C	Hfm1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YGR080W	Twf1	Lipid-regulated	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YGR097W	Ask10	PH	0	1	1	1	0	0	1 G	0	0	0	0	0	0	0	0	1 G,S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YGR100W	Mdr1	PH	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YGR170W	Psd2	C2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YGR233C	Pho81	Unclassified	1 G	1 G	1 G	1 G	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YGR241C	Yap1802	ANTH/ENTH	0	1 E	1 E	0	1	0	1 E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 E,G,S	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
YHL002W	Hse1	ANTH/ENTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR001W	Osh7	OBP	0	0	1 R,G	1 R,G	0	0	1 R	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR073W	Osh3	PH; OBP	0	1 E	1 E	0	0	0	1 E,G	0	0	0	0	0	0	0	0	1 E,G,S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
YHR105W	Ypt35	PX	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR108W	Gga2	ANTH/ENTH	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR131C	Yhr131c	PH	0	1 R	1 R	0	1 R	0	1 R	1 R	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR155W	Ysp1	PH	0	1 G	1 G	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1 G,S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR161C	Yap1801	ANTH/ENTH	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR178W	Stb5	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR193C	Egd2	Lipid-regulated	0	0	0	1 R,G	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YHR205W	Sch9	C2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YIL007C	Nas2	PDZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YIL043C	Cbr1	Unclassified	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YIL063C	Yrb2	PH	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YIL105C	Slm1	PH	0	1 G,P	E,G,P,L	0	1 E,G	0	1 E,G	1 E,G	0	0	0	0	0	0	0	E,G,S,L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YIL128W	Met18	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YIL151C	Yil151c	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YJL036W	Snx4	PX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YJL097W	Phs1	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YJL145W	Yjl145w	CRAL/TRIO	0	1 E	1 E	0	1	0	1 E	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1 E	0	0	0	0	0	0	0	0	0	1	1	1
YJL157C	Far1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YJL201W	Ecm25	Unclassified	1	0	0	1 L	1 L	0	1	1	0	0	0	0	0	0	1 G	0	1 G	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1 G	0	0	0	0	0	0
YJR092W	Bud4	PH	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YJR130C	Str2	Unclassified	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YKL088W	Ykl088w	Enzyme	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YKL091C	Ykl091c	CRAL/TRIO	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	1	0	0
YKL092C	Bud2	C2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YKL114C	Apn1	Unclassified	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YKL126W	Ypk1	Lipid-regulated	0	1 G,P	1 G,P	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1 G,S	0	1 G,S	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1 G	0	0
YKL192C	Acp1	PP-binding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YKL194C	Mst1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

YKR003W	Osh6	OBP	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YKR031C	Spo14	PH; PX	0	0	0	0	0	1 G	0	0	1 G	1 G	0	0	0	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0
YKR054C	Dyn1	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YKR078W	Ykr078w	PX	1 R	1 R	1 R	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YKR081C	Rpf2	Unclassified	0	0	0	0	0	0	1 E	0	0	0	0	0	0	0	0	0	1 E	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1 E	0	0
YLL001W	Dnm1	Unclassified	0	0	0	1 G	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YLL038C	Ent4	ANTH/ENTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YLR100W	Erg27	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R,S	0	0	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	1 R	0	0
YLR178C	Tfs1	PBP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YLR179C	Ylr179c	PBP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YLR187W	Skg3	PH	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YLR189C	Atg26	PH	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1 S	0	0	0	0	0	1 S	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0
YLR206W	Ent2	ANTH/ENTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YLR260W	Lcb5	Enzyme	0	1 G	1 G	0	0	1	1	1	0	0	0	0	0	0	0	1 G	1 G	0	1 G	0	1 G	1 G	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0
YLR298C	Yhc1	Unclassified	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YLR335W	Nup2	PH	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
YLR336C	Sgd1	Unclassified	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YLR371W	Rom2	PH	1 E,G	1 E,G	1 E,G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YLR380W	Csr1	CRAL/TRIO	0	1 E	1 E	0	1	0	1 E	1 E	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YLR425W	Tus1	PH	0	0	1 E	0	0	0	1 E	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YML052W	Sur7	Lipid-regulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0
YML054C	Cyb2	Cyt-b5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YML072C	Tcb3	C2	0	1 R	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YML112W	Ctk3	Unclassified	0	0	0	0	0	0	1 G	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YML126C	Erg13	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
YMR004W	Mvp1	PX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR015C	Erg5	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
YMR073C	Ymr073c	Cyt-b5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR079W	Sec14	CRAL/TRIO	0	0	0	0	0	0	1 R,E,G	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R,S	0	0	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	1 R	0	0
YMR083W	Adh3	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR104C	Ypk2	Lipid-regulated	0	0	1 G	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR108W	Ilv2	Lipid-regulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR113W	Fol3	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR127C	Sas2	Unclassified	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR170C	Ald2	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR208W	Erg12	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1 G	0	0
YMR272C	Scs7	Cyt-b5	0	0	0	0	1 G	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YMR308C	Pse1	Unclassified	1 G	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL047C	Slm2	PH	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL087W	Tcb2	C2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL111C	Cyb5	Cyt-b5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL127W	Far11	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL135C	Fpr1	Unclassified	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL144C	Ynl144c	PH	0	1 R	1 R	1 R	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL201C	Psy2	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL231C	Pdr16	CRAL/TRIO	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1 G	1 G	0
YNL243W	Sla2	ANTH/ENTH	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	1 E,S	1 S	0	0	0	1 S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL251C	Nrd1	ANTH/ENTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL264C	Pdr17	CRAL/TRIO	0	1	1	0	1	0	1	1	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL278W	Caf120	PH	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNL298W	Cla4	PH	0	1 R,G	1 R,G	1 R,G	1 R	0	1 R	0	0	0	0	0	0	0	0	1 R	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNR006W	Vps27	FYVE; ANTH/ENTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YNR043W	Mvd1	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YOL081W	Ira2	Unclassified	1 G	0	0	1 G,L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0
YOL100W	Pkh2	Lipid-regulated	0	1 G,P,L	1 G,P,L	0	1 L	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YOL113W	Skm1	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YOL139C	Cdc33	Lipid-regulated	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YOL149W	Dcp1	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YOR132W	Vps17	PX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YOR171C	Lcb4	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YOR181W	Las17	PH	0	0	0	1 G,P,L	0	0	0	0	0	0	0	0	0	0	0	0	1 S	1 S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YOR227W	Her1	Unclassified	1 R,E	1 R,E	1 R,E	1 R,E	0	0	1 R,E	0	0	0	0	0	0	0	0	0	1 R	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R	0	0
YOR254C	Sec63	Unclassified	1 R,E,G	0	0	1 R,G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R,G	0	0	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	1 R,E,G	0	0
YPL004C	Lsp1	Lipid-regulated	0	1 R,E	1 R,E	1 R,E	1 R	0	1 R,E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPL028W	Erg10	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 G	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
YPL069C	Bts1	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPL115C	Bem3	PH; PX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPL117C	Idi1	Enzyme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPL145C	Kes1	OBP	1 E,G	1 E,G	1 E,G	1 E,G	1 G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPL150W	Ypl150w	Unclassified	1 R	0	1 R	1 R	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPL170W	Dap1	Cyt-b5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPL243W	Srp68	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPR019W	Mcm4	Unclassified	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
YPR091C	Ypr091c	PH	0	0	1 E,G	1 E,G	0	1	0	1 E	0	0	0	0	0	0	0	1 E	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1 G	1 G	0
YPR095C	Syt1	PH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPR097W	Ypr097w	PX	0	0	1 R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 R	0	0	0	0	0	0	0	0	0	0	1 R	0	0
YPR174C	Ypr174c	Unclassified	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPR181C	Sec23	Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table S3A: Matrix summarizing the literature-derived reference set.

The matrix consists of 71 biochemically characterized protein-lipid interactions. Among them 40 are regulatory, the other 31 take place between lipid-enzymes or transporters and their substrates or products. The first and second columns give the systematic ORF and gene names. The first row lists the 44 lipids analyzed. Non-physiological lipids are labeled with an #.

- Regulatory interactions
- Transporter-substrate interactions
- Enzyme-substrate interactions
- Enzyme-product interactions

ORF	Gene Name	PtdIns(3)P	PtdIns(4)P	PtdIns(4,5)P2	PtdIns(3,4,5)P3#	PtdIns	PC	Cardiolipin	PE	P-methylethanolamine	P-dimethylethanolamine	CDP-DAG	3-ketodihydrosphingosine	DHS	Phytosphingosine	Sphingosine#	DHS-1P	Phytosphingosine-1P	Sphingosine-1P#	Dihydroceramide	Phytoceramide C8	Phytoceramide C18	Ceramide#	Palmitoyl-CoA	α-OHstearoyl-CoA#	Hexadecanoic	9Z-octadecanoic	9Z,12Z-octadecanoic	15s-HETE	MAG	DAG	TAG	1,2-DA-3β-galactosylglycerol	Digalactosyl-DAG	DAG-PyroP	1alkyl-2acetylglycero-3PC	1acyl-glycerol-3P	GeranylPP	FarnesylPP	GeranylgeranylPP	Squalene	CoenzymeQ	Dolichol	Ergosterol	Ergocalciferol
YBL105C	Pkc1																																												
YBR129C	Opy1																																												
YBR213W	Met8																																												
YBR265W	Tsc10																																												
YDL052C	Slc1																																												
YDL142C	Crd1																																												
YDL161W	Ent1																																												
YDR208W	Mss4																																												
YDR283C	Gcn2																																												
YDR294C	Dpl1																																												
YDR313C	Pib1																																												
YFR021W	Atg18																																												
YFR053C	Hxk1																																												
YGL105W	Arc1																																												
YGR080W	Twf1																																												
YHR193C	Egd2																																												
YIL105C	Slm1																																												
YJL145W	Yjl145w																																												
YKR031C	Spo14																																												
YLR260W	Lcb5																																												

YLR371W	Rom2																																												
YLR380W	Csr1																																												
YMR079W	Sec14																																												
YMR108W	Ilv2																																												
YMR272C	Scs7																																												
YNL047C	Slm2																																												
YNL231C	Pdr16																																												
YNL243W	Sla2																																												
YNL264C	Pdr17																																												
YOR171C	Lcb4																																												
YPL069C	Bts1																																												
YPL145C	Kes1																																												
YPL150W	Ypl150w																																												

Table S3B: The literature-derived reference set: literature curated list of interactions biochemically characterized.
The first and second columns give the systematic ORF and gene names. The third column lists the reported interactions and the name of the interacting lipids, with the estimated Kd when available. For enzymes, a simple representation of the reaction is shown. Finally, the fourth column collects the publication (PubMed ID) where the respective interaction (or enzymatic reaction) was reported.

ORF	Gene Name	List of interactions	Reference (PubMed ID)
YBL105C	Pkc1	Binds DAG	9395299
YBR129C	Opy1	Binds PtdIns(4)P, PtdIns(4,5)P2 and PtdIns(3,4,5)P3	11474067
YBR213W	Met8	Binds PtdIns(3)P, PtdIns(4)P, and PtdIns(4,5)P2	11474067
YBR265W	Tsc10	Enzyme: 3-ketodihydrosphingosine-> DHS	16730802
YDL052C	Slc1	Enzyme: acyl-CoA + 1acyl-glycerol 3P -> CoA + PA	9212466 and 8408076
YDL142C	Crd1	Enzyme: PG+CDP-DAG -> Cardiolipin	9614098
YDL161W	Ent1	Binds PtdIns(3)P, PtdIns(4)P, PtdIns(4,5)P2 and PtdIns(3,4,5)P3	12529323
YDR208W	Mss4	Enzyme: PtdIns(4)P->PtdIns(4,5)P2	9624177 and 15741172
YDR283C	Gcn2	Binds PtdIns(3)P, PtdIns(4)P, PtdIns(4,5)P2 and PtdIns(3,4,5)P3	11474067
YDR294C	Dpl1	Enzyme: Phytosphingosine-P or DHS-1P -> Ethanolamine-P and C16-aldehydes	16730802
YDR313C	Pib1	Binds PtdIns(3)P	11526110
YFR021W	Atg18	Binds PtdIns(3)P +Mg PI(3,5)P2 Kd=180nM -Mg PI(3,5)P2 Kd=18nM PI(3,4)P2 Kd=190nM PI(4,5)P2 Kd=200nM	15103325
YFR053C	Hxk1	Binds PtdIns(3)P, PtdIns(4)P, PtdIns(4,5)P2 and PtdIns(3,4,5)P3	11474067 and 10888410
YGL105W	Arc1	Binds PtdIns(3)P	16343487
YGR080W	Twf1	Binds PtdIns(4,5)P2	11604420
YHR193C	Egd2	Binds PtdIns(3)P and PtdIns(4)P	16343487
YIL105C	Slm1	Binds PtdIns(3)P, PtdIns(4)P and PtdIns(4,5)P2	15372071 and
YJL145W	Yjl145w	Transfers PtdIns	10848624
YKR031C	Spo14	Enzyme: PC->PA + Choline	11514437
YLR260W	Lcb5	Enzyme: DHS and Phytosphingosine->DHS-1P and Phystosphingosine-P	16730802
YLR371W	Rom2	Binds PtdIns(4,5)P2	12015967
YLR380W	csr1	Transfers PtdIns	10848624
YMR079W	Sec14	Transfers PtdIns and PC	2215682
YMR108W	Ilv2	Binds Cardiolipin	16343487
YMR272C	Scs7	Enzyme: Phytoceramide->Hydroxy-Phytoceramide	9368039
YNL047C	Slm2	Binds PtdIns(4,5)P2	17101780
YNL231C	Pdr16	Transfers PtdIns	10848624
YNL243W	Sla2	Binds PtdIns(4,5)P2	15574875
YNL264C	Pdr17	Transfers PtdIns	10848624
YOR171C	Lcb4	Enzyme: DHS and Phytosphingosine->DHS-1P and Phystosphingosine-P	16730802
YPL069C	Bts1	Enzyme: geranyl-PP -> Farnesyl-PP -> Geranylgeranyl-PP	7665600
YPL145C	Kes1	Transfers ergosterol. Binds PtdIns, PtdIns(4)P, PtdIns(4,5)P2 and Cardiolipin	16585271 and 11916983
YPL150W	Ypl150w	PtdIns(4)P, PtdIns(4,5)P2 and PtdIns(3,4,5)P3	11474067

Table S3C: Summary of the genetic reference set.

The matrix consists of 328 described genetic interactions between 172 analyzed proteins (rows) and 96 enzymes involved in lipid metabolism (columns). The first and second columns give the systematic ORF and gene names, respectively. Enzymes are grouped by metabolic pathways. The gene names for lipid metabolic enzymes are described in brackets. Genetic interactions were collected from literature and SGD database. SGD annotation was employed to classify the different genetic interactions types. Note that for simplicity the following groups were defined and represented with a letter code: C, Chemical Genetics; D, Dosage Dependent Interaction (Dosage rescue + Dosage Growth defect + Dosage lethality); P, Positive Suppressive Genetics (Positive genetics + Synthetic rescue + Phenotypic Suppression); N, Negative Synthetic Genetics (Negative genetics + Synthetic lethality + Synthetic growth defect). Numbers refer to the literature source of the published interactions (see legend on top left corner of the matrix). Note that for reference PMID:20093466 the stringent threshold was used

Number code:	1	2	3	4	5	6	7	8	9
Source (PMID):	SGD	12615994	20093466	14661025	17101780	15013450	11726514	10825204	15741172

		Inositol phosphate metabolism																
ORF	**Gene Name**	**Inp53 (YOR109W)**	**Inp52 (YNL106C)**	**Inp51 (YIL002C)**	**Inp54 (YOL065C)**	**Ymr1 (YJR110W)**	**Sac1 (YKL212W)**	**Fig4 (YNL325C)**	**Stt4 (YLR305C)**	**Lsb6 (YJL100W)**	**Pik1 (YNL267W)**	**Mss4 (YDR208W)**	**Vps34 (YLR240W)**	**Fab1 (YFR019W)**	**Plc1 (YPL268W)**	**Isc1 (YER019W)**	**Spo14 (YKR031C)**	**Spo22 (YIL073C)**
YDL113C	Atg20								C; 2									
YBR200W	Bem1																	
YMR004W	Mvp1																	
YJL036W	Snx4																	
YDR425W	Snx41																	
YOR132W	Vps17																	
YKR078W	Ykr078w																	
YPR097W	Ypr097w																	
YHR105W	Ypt35																	
YPL115C	Bem3																	
YKR031C	Spo14								N; 1									
YGR097W	Ask10																	
YLR189C	Atg26																	
YER155C	Bem2								C; 2									
YBL085W	Boi1																	
YER114C	Boi2											N; 1						
YJR092W	Bud4																	
YNL278W	Caf120																	
YAL041W	Cdc24																	
YNL298W	Cla4													N; 1				
YOL149W	Dcp1																	
YBR102C	Exo84																	
YOR181W	Las17									P; 1								
YGR100W	Mdr1																	
YDR150W	Num1													N; 1				
YLR335W	Nup2																	
YBR129C	Opy1																	
YNL201C	Psy2								C; 2									
YLR371W	Rom2			P; 1					C; 2			N; 1						
YLR187W	Skg3																	
YOL113W	Skm1																	
YIL105C	Slm1			P; 1			N; 3		C; 2; 4			D; N; 1				P; 1		
YNL047C	Slm2			P; 1					C; 2			D; 1						
YDR103W	Ste5																	
YPR095C	Syt1											N; 1						
YDR311W	Tfb1																	
YLR425W	Tus1																	
YBL060W	Yel1																	
YHR131C	Yhr131c																	
YNL144C	Ynl144c																	
YPR091C	Ypr091c						N; 1											
YIL063C	Yrb2																	
YHR155W	Ysp1								C; 2									
YHR073W	Osh3																	
YAR042W	Swh1						N; 1											
YPL145C	Kes1	N; 3					N; 3				P; 1						N; 1	
YKR003W	Osh6																	
YHR001W	Osh7					D; 1												
YBL105C	Pkc1					D; 1			C; D; N; 1; 2									
YKL092C	Bud2																	
YGR170W	Psd2																	
YHR205W	Sch9																	
YNL087W	Tcb2																	
YML072C	Tcb3																	
YDL161W	Ent1																	
YLR206W	Ent2																	
YLL038C	Ent4						N; 3											
YDR153C	Ent5						N; 3											
YDR358W	Gga1	N; 1																
YHR108W	Gga2	N; 1; 3																
YHL002W	Hse1																	
YCL034W	Lsb5																	
YNL251C	Nrd1																	
YDR228C	Pcf11																	
YDR289C	Rtt103						N; 3							N; 1				
YNL243W	Sla2												N; 1					
YHR161C	Yap1801																	
YGR241C	Yap1802																	
YDR323C	Pep7								C; 2				P; 1					
YDR313C	Pib1																	
YNR006W	Vps27	N; 1							C; 2									
YIL007C	Nas2								C; 2									
YLR178C	Tfs1																	
YLR179C	Ylr179c																	
YLR380W	Csr1																	
YNL231C	Pdr16																	
YNL264C	Pdr17																	
YMR079W	Sec14						P; 1				D; 1						N; 1	
YJL145W	Yjl145w																	
YKL091C	Ykl091c																	
YCR009C	Rvs161																	
YDR388W	Rvs167																	

YML054C	Cyb2																	
YNL111C	Cyb5								C; 2									
YPL170W	Dap1																	
YGL055W	Ole1																	
YMR272C	Scs7						P; 3		C; 2									
YMR073C	Ymr073c								C; 2									
YDR105C	Tms1																	
YKL192C	Acp1																	
YBR115C	Lys2																	
YGL105W	Arc1																	
YFR021W	Atg18							P; 1				N; 1						
YOL139C	Cdc33																	
YHR193C	Egd2								C; 2									
YDR283C	Gcn2								C; 2									
YFR053C	Hxk1																	
YMR108W	Ilv2																	
YPL004C	Lsp1																	
YDR490C	Pkh1																	
YOL100W	Pkh2								C; 2									
YML052W	Sur7																	
YGR080W	Twf1																	
YKL126W	Ypk1								C; 4									
YMR104C	Ypk2								C; 2									
YPL069C	Bts1																	
YDL142C	Crd1								C; 2									
YDR294C	Dpl1																	
YPL028W	Erg10						N; 3											
YMR208W	Erg12						N; 3											
YML126C	Erg13																	
YGL001C	Erg26																	
YLR100W	Erg27																	
YMR015C	Erg5																	
YPL117C	Idi1																	
YOR171C	Lcb4																	
YLR260W	Lcb5								C; 2									
YDR208W	Mss4								C; D; 1; 2									
YNR043W	Mvd1																	
YJL097W	Phs1																	
YDL052C	Slc1																	
YBR265W	Tsc10																	
YKL088W	Ykl088w																	
YMR083W	Adh3																	
YDR524C	Age1																	
YMR170C	Ald2																	
YBR158W	Amn1																	
YKL114C	Apn1																	
YIL043C	Cbr1																	
YCR093W	Cdc39																	
YML112W	Ctk3																	
YLL001W	Dnm1								C; 2									
YDR121W	Dpb4																	
YKR054C	Dyn1								N; 1									
YJL201W	Ecm25																	
YJL157C	Far1																	
YNL127W	Far11								C; 2									
YDR110W	Fob1																	
YMR113W	Fol3																	
YNL135C	Fpr1																	
YDR517W	Grh1																	
YDL205C	Hem3																	
YOR227W	Her1																	
YGL251C	Hfm1																	
YOL081W	Ira2						N; 3							P; 1				
YGL173C	Kem1													N; 1				
YPR019W	Mcm4																	
YIL128W	Met18								C; 2									
YER091C	Met6						N; 3											
YBR213W	Met8																	
YKL194C	Mst1								C; 2									
YFR002W	Nic96																	
YGR233C	Pho81														D; 1			
YMR308C	Pse1						P; 3											
YDR505C	Psp1																	
YKR081C	Rpf2																	
YMR127C	Sas2																	
YPR181C	Sec23						N; 1											
YOR254C	Sec63						N; P; 1; 3											
YLR336C	Sgd1														D; N; 1			
YBL007C	Sla1						N; 1		C; 2									
YGL131C	Snt2																	
YPL243W	Srp68																	
YHR178W	Stb5																	
YJR130C	Str2																	
YDR310C	Sum1																	
YEL002C	Wbp1						N; 3											
YFR006W	Yfr006w																	
YLR298C	Yhc1						P; 3											
YIL151C	Yil151c																	
YPL150W	Ypl150w																	
YPR174C	Ypr174c																	

Glycerophospholipid metabolism

Pis1 (YPR113W)	Cki1 (YLR133W)	Pct1 (YGR202C)	Cpt1 (YNL130C)	Cds1 (YBR029C)	Sct1 (YBL011W)	Gpt2 (YKR067W)	Ayr1 (YIL124W)	Slc1 (YDL052C)	Cho1 (YER026C)	Psd1 (YNL169C)	Psd2 (YGR170W)	Cho2 (YGR157W)	Opi3 (YJR073C)	Pgs1 (YCL004W)	Crd1 (YDL142C)	Lcb4 (YOR171C)	Lcb5 (YLR260W)
										P; 3			N; 3				
						N; 3											
																	P; 3
	N; 1									N; 3							
	P; 3																
													N; 1				
										N; 1	N; 1						
						N; 3											
																D; 1	
						N; 3											
										P; 3							
															N; 3		
		N; 1								N; 1; 3							
										N; 3							N; 3
													N; 1				
													N; 3				
													N; 3				
												N; 3					
										N; 3							
															N; 3		
	N; P; 1	P; 1	P; 1														
						N; 3											
						N; 3											

												N; 3					
												N; 3	N; 1				
					N; 1					N; 3	N; 1; 3					P; 1	N; 3
															N; 3		
																N; 3	
										N; 3							
										P; 3							
										N; 1; 3							
										N; 1						D; P; 1	
													N; 3				
												N; 3	N; 1; 3				
																	N; P; 1; 3
																N; P; 1; 3	
												P; 1					
												P; 1	P; 1				
											N; 3						
													N; 3				
												N; 3	N; 3				
												N; 1					
						N; 3	N; 3								N; 3	N; 3	
										P; 3			N; 1; 3				
													N; 3				
													N; 1; 3				
										P; 3							
										N; 3							
					P; 1								N; 1				
											N; 3						
						N; 3											

Sphingolipid metabolism																	
Ysr3 (YKR053C)	Lcb3 (YJL134W)	Dpl1 (YDR294C)	Lcb1 (YMR296C)	Lcb2 (YDR062W)	Tsc10 (YBR265W)	Sur2 (YDR297W)	Lip1 (YMR298W)	Lag1 (YHL003C)	Lac1 (YKL008C)	Ydc1 (YPL087W)	Ypc1 (YBR183W)	Scs7 (YMR272C)	Aur1 (YKL004W)	Sur1 (YPL057C)	Csg2 (YBR036C)	Ipt1 (YDR072C)	Acc1 (YNR016C)
															N; 3		
			N; 3														
												P; 3					
									P; 3			P; 3					
					N; 3												
			C; 5	C; 5											D; N; 1		
			C; 5	C; 5													
												P; 3					
															P; 3		
			C; N; 3; 6	C; 6													
				N; 1													
												N; 1; 3					
												N; 3					
												N; 3					
												N; 3					
			N; 3														
						N; 3							N; 3				
N; 3																	
												N; 3					
						P; 1; 3								P; 1		P; 1	
						P; 1								P; 1			

												P; 3					
	P; 1; 3			P; 1		P; 1		P; 1			N; 1		N; 3	P; 1	P; 1	P; 3	
			C; 7	C; 7													
			C; 7	C; 7													
N; 3																	
			C; 8	C; 8							D; 1						
													N; 3				
	N; P; 1					P; 1											
												N; 3			N; 3		
						D; 1											
												P; 1					
	D; 1	D; P; 1		P; 1		N; 1						P; 1					
												N; 3		N; 3	N; 3		
			C; 9	C; 9											P; 1		
	N; 1																
			P; 1														
															P; 1; 3		
												N; 1; 3					
N; 3												N; 3					
												N; 3	N; 3				
				N; 3													
			C; 6	C; 6													
												N; 3					
												N; 1					
														P; 1			
														N; 3	N; 3		
												N; 3					
														N; 3			
												N; 3		N; 3			

Fatty acid metabolism

Fas1 (YKL182W)	Mct1 (YOR221C)	Hfa1 (YMR207C)	Cem1 (YER061C)	Fas2 (YPL231W)	Faa1 (YOR317W)	Faa2 (YER015W)	Faa3 (YIL009W)	Faa4 (YMR246W)	Fat1 (YBR041W)	Pox1 (YGL205W)	Pot1 (YIL160C)	Fox2 (YKR009C)	Dci1 (YOR180C)	Eci1 (YLR284C)	Oar1 (YKL055C)	Sct1 (YBL011W)	Gpt2 (YKR067W)
																	N; 3
			N; 3														
																	N; 3
																	N; 3
															N; 3		
															N; 3		
																	N; 3
	N; 3																N; 3

											N; 3						
					P; 1							N; 3			N; 1	
				N; 1													
	N; 3		N; 3											N; 3		
	N; 3																
			N; 3														
		P; 3									N; 3						N; 3
											N; 3				N; 3	P; 1	
													N; 3				
																	N; 3

Glycerolipid metabolism															Sterol and prenol metabolism		
Slc1 (YDL052C)	Pah1 (YMR165C)	Lro1 (YNR008W)	Dga1 (YOR245C)	Erg10 (YPL028W)	Erg13 (YML126C)	Hmg1 (YML075C)	Hmg2 (YLR450W)	Erg12 (YMR208W)	Erg8 (YMR220W)	Mvd1 (YNR043W)	Idi1 (YPL117C)	Erg20 (YJL167W)	Erg9 (YHR190W)	Erg1 (YGR175C)	Erg7 (YHR072W)	Erg11 (YHR007C)	Erg24 (YNL280C)
	N; 3																
																C; N; 1; 4	
																N; 3	
				N; 3													
																P; 3	
																C; N; 1; 4	
	P; 3															C; 4	

	P; 3															N; 3	
																C; D; N; 1; 3; 4	
			N; 1														
				N; 3		N; 1; 3										N; 1; 3	
																C; 4	
						N; 3		N; 3	N; 3							N; 3	
																C; 4	
																N; 1	
						N; 3											
									N; 3								
																C; N; 1; 4	
																C; N; 1; 4	
																C; 4	
						N; 3											

Erg25 (YGR060W)	Erg26 (YGL001C)	Erg27 (YLR100W)	Erg6 (YML008C)	Erg2 (YMR202W)	Erg3 (YLR056W)	Erg5 (YMR015C)	Erg4 (YGL012W)	Bts1 (YPL069C)	Coq1 (YBR003W)
P; 3									
			N; 3	N; 3					
				N; 3	N; 3				
							N; 1		
P; 3									
			N; 1						
				N; 1					
N; 3				N; 3		N; 3			
					N; 3				
	N; 3								
								N; 3	
								N; 3	
N; 3			N; 1					N; 3	
			P; 3						
				N; 3					
N; 3									

								P; 3	
			N; 1; 3	N; 1	N; 1; 3				
			N; 1; 3			P; 1	P; 1		
N; 3									
								N; 3	
P; 3							P; 1		
							N; 1		
			N; 3						
								N; 3	
					N; 3				
					N; 1				
								N; 3	
			N; 1	N; 1	N; 1; 3	N; 3			
N; 3				N; 3	P; 3				
			N; 1		N; 3	N; 1; 3	N; 1	P; 3	
			N; 3						
					N; 3				

Table S4. Detected interactions, and whether or not they were supported by yeast replicates, *E.coli* replicates, genetic interactions, the myriocin assay, the *mss4*^{ts} assay, or a liposome based assay.

Protein	Lipid	Yeast	Ecoli	Genetic	Myriocin	*mss4*^{ts}	Liposome
Swh1	PtdIns(4)P	0	0	1	0	0	0
Sla1	PtdIns(3)P	0	0	1	0	0	0
Sla1	PtdIns(3,4,5)P3	0	0	1	0	0	0
Sla1	DHS-1P	0	0	1	0	0	0
Sla1	Phytosphingosine-1P	0	0	1	0	0	0
Sla1	Phytoceramide C18	0	0	1	0	0	0
Boi1	DHS-1P	0	1	0	0	0	0
Boi1	Digalactosyl-DAG	0	0	0	0	0	0
Opy1	PtdIns(4)P	1	1	0	0	0	0
Opy1	PtdIns(4,5)P2	1	1	0	0	0	0
Opy1	Cardiolipin	1	1	0	0	0	0
Opy1	DHS-1P	1	1	0	1	0	0
Bem1	Phytoceramide C18	1	0	0	0	0	0
Tsc10	Phytoceramide C18	0	0	1	1	0	0
Rvs161	PtdIns(3)P	0	0	0	0	1	0
Rvs161	PtdIns(3,4,5)P3	0	0	0	0	1	0
Slc1	Phytoceramide C18	0	0	1	0	0	0
Atg20	PtdIns(4)P	1	0	1	0	0	0
Atg20	PtdIns(4,5)P2	1	0	1	0	0	0
Atg20	PtdIns(3,4,5)P3	1	0	1	0	0	0
Atg20	PtdIns	1	0	0	0	0	0
Atg20	Dolichol	1	0	0	0	0	0
Crd1	PC	0	0	1	0	0	0
Crd1	P-methylethanolamine	0	0	1	0	0	0
Crd1	P-dimethylethanolamine	0	0	1	0	0	0
Crd1	Ceramide	0	0	0	0	0	0
Crd1	Phytoceramide C18	0	0	0	0	0	0
Crd1	Hexadecanoic	0	0	0	0	0	0
Crd1	TAG	0	0	0	0	0	0
Crd1	1,2-DA-3β-galactosylglycerol	0	0	0	0	0	0
Crd1	1acyl-glycerol-3P	0	0	0	0	0	0
Crd1	Dolichol	0	0	0	0	0	0
Crd1	Ergosterol	0	0	0	0	0	0
Ent1	PtdIns(4,5)P2	0	0	0	0	0	0
Ent1	PtdIns(3,4,5)P3	0	0	0	0	0	0
Ste5	PtdIns(4)P	0	1	0	0	0	0
Ste5	PtdIns(4,5)P2	0	1	0	0	0	0
Ste5	PtdIns(3,4,5)P3	0	1	0	0	0	0
Ste5	Cardiolipin	0	1	0	0	0	0
Tms1	Hexadecanoic	0	0	0	0	0	0
Tms1	TAG	0	0	0	0	0	0
Fob1	PtdIns(3)P	1	0	0	0	0	0
Fob1	PtdIns(3,4,5)P3	1	0	0	0	0	0
Dpb4	PtdIns(3)P	1	0	0	0	0	0
Dpb4	PtdIns(4)P	1	0	0	0	0	0

Dpb4	PtdIns(4,5)P2	1	0	0	0	0	0
Dpb4	PtdIns	1	0	0	0	0	0
Dpb4	Cardiolipin	1	0	0	0	0	0
Dpb4	Dolichol	1	0	0	0	0	0
Dpb4	Ergosterol	1	0	0	0	0	0
Dpb4	Ergocalciferol	1	0	0	0	0	0
Num1	PtdIns(4)P	0	0	1	0	0	0
Num1	PtdIns(4,5)P2	0	0	1	0	0	0
Num1	PtdIns(3,4,5)P3	0	0	1	0	0	0
Num1	DHS-1P	0	0	0	0	0	0
Ent5	PtdIns(3)P	1	1	1	0	0	0
Ent5	PtdIns(4)P	1	1	1	0	0	0
Ent5	PtdIns(4,5)P2	1	1	1	0	0	0
Ent5	PtdIns(3,4,5)P3	1	1	1	0	0	0
Ent5	PtdIns	1	0	0	0	0	0
Ent5	Cardiolipin	1	1	0	0	0	0
Ent5	DHS-1P	1	1	0	1	0	0
Mss4	PtdIns(4)P	0	0	1	0	0	0
Mss4	PtdIns(4,5)P2	0	0	1	0	0	0
Mss4	PtdIns(3,4,5)P3	0	0	1	0	0	0
Mss4	PtdIns	0	0	0	0	0	0
Mss4	DHS-1P	0	0	1	1	0	0
Mss4	1acyl-glycerol-3P	0	0	0	0	0	0
Pcf11	PtdIns(3)P	0	0	0	0	0	0
Pcf11	PtdIns	0	0	1	0	0	0
Pcf11	TAG	0	0	0	0	0	0
Gcn2	PtdIns(3)P	1	0	1	0	0	0
Gcn2	PtdIns(4,5)P2	1	1	1	0	0	0
Gcn2	PtdIns(3,4,5)P3	1	0	1	0	0	0
Gcn2	PE	1	0	0	0	0	0
Gcn2	Phytoceramide C18	1	0	0	0	0	0
Gcn2	Dolichol	1	0	0	0	0	0
Rtt103	PtdIns(3)P	0	0	1	0	0	0
Rtt103	PtdIns(4,5)P2	0	0	1	0	0	0
Rtt103	PtdIns	0	0	1	0	0	0
Rtt103	Cardiolipin	0	0	1	0	0	0
Rtt103	PE	0	0	1	0	0	0
Rtt103	TAG	0	0	0	0	0	0
Dpl1	DHS-1P	0	0	1	0	0	0
Dpl1	Phytoceramide C18	0	0	1	0	0	0
Sum1	PtdIns(3,4,5)P3	0	0	0	0	0	0
Sum1	PE	0	0	1	0	0	0
Tfb1	TAG	0	0	0	0	0	0
Tfb1	Dolichol	0	0	1	0	0	0
Pib1	PtdIns(3)P	0	0	0	0	0	0
Pep7	Cardiolipin	0	0	0	0	0	0
Pep7	TAG	0	0	0	0	0	0
Pep7	Dolichol	0	0	0	0	0	0
Gga1	PtdIns(3)P	0	0	1	0	0	0
Gga1	PtdIns(4)P	0	0	1	0	0	0
Gga1	PtdIns(4,5)P2	0	0	1	0	0	0

Gga1	PtdIns	0	0	0	0	0	0
Gga1	PE	0	0	0	0	0	0
Gga1	Phytoceramide C18	0	0	1	0	0	0
Gga1	TAG	0	0	0	0	0	0
Gga1	Dolichol	0	0	0	0	0	0
Rvs167	PtdIns(4)P	0	0	0	0	1	0
Rvs167	PtdIns(4,5)P2	0	0	0	0	1	1
Rvs167	PtdIns(3,4,5)P3	0	0	0	0	1	0
Rvs167	PtdIns	0	0	1	0	0	0
Rvs167	DHS-1P	0	0	1	1	0	1
Rvs167	Phytosphingosine-1P	0	0	1	1	0	0
Rvs167	TAG	0	0	1	0	0	0
Rvs167	Dolichol	0	0	1	0	0	0
Snx41	PtdIns(3)P	1	0	0	0	0	0
Snx41	PtdIns(4)P	1	0	0	0	0	0
Snx41	PtdIns(4,5)P2	1	0	0	0	0	0
Snx41	PtdIns(3,4,5)P3	1	0	0	0	0	0
Snx41	Cardiolipin	1	0	1	0	0	0
Snx41	PE	1	0	1	0	0	0
Snx41	Phytoceramide C18	1	0	0	0	0	0
Pkh1	PtdIns(4)P	1	1	0	0	0	0
Pkh1	PtdIns(4,5)P2	1	1	0	0	0	0
Pkh1	PtdIns	1	0	0	0	0	0
Pkh1	Cardiolipin	1	1	0	0	0	0
Pkh1	PE	1	1	0	0	0	0
Pkh1	DHS-1P	1	1	1	0	0	0
Age1	PtdIns(3,4,5)P3	0	0	0	0	0	0
Age1	PE	0	0	0	0	0	0
Met6	PtdIns(4)P	0	0	1	0	0	0
Met6	PtdIns(4,5)P2	0	0	1	0	0	0
Met6	Phytoceramide C18	0	0	0	1	0	0
Met6	Digalactosyl-DAG	0	0	0	0	0	0
Met6	Dolichol	0	0	0	0	0	0
Boi2	PtdIns(3)P	1	0	1	0	0	0
Boi2	PtdIns(4)P	1	0	1	0	0	0
Boi2	PtdIns(4,5)P2	1	0	1	0	0	0
Boi2	PtdIns(3,4,5)P3	1	0	1	0	0	0
Boi2	DHS-1P	1	0	0	0	0	0
Boi2	Phytosphingosine-1P	1	0	0	0	0	0
Bem2	PtdIns(3,4,5)P3	0	1	1	0	0	0
Bem2	PE	0	1	1	0	0	0
Bem2	DHS-1P	0	1	0	0	0	0
Yfr006w	PtdIns(3,4,5)P3	1	0	0	0	0	0
Atg18	PtdIns(3)P	0	0	1	0	0	0
Atg18	PtdIns(4)P	0	0	1	0	0	0
Atg18	PtdIns(4,5)P2	0	0	1	0	0	0
Atg18	PtdIns(3,4,5)P3	0	0	1	0	0	0
Atg18	PtdIns	0	0	0	0	0	0
Atg18	PC	0	0	0	0	0	0
Atg18	PE	0	0	0	0	0	0
Atg18	DHS-1P	0	0	0	0	0	0

Atg18	Phytoceramide C18	0	0	0	0	0	0
Atg18	TAG	0	0	0	0	0	0
Atg18	Dolichol	0	0	0	0	0	0
Hxk1	PtdIns(3)P	0	0	0	0	0	0
Hxk1	PtdIns(4)P	0	0	0	0	0	0
Hxk1	PtdIns(4,5)P2	0	0	0	0	0	0
Hxk1	PtdIns(3,4,5)P3	0	0	0	0	0	0
Hxk1	Cardiolipin	0	0	0	0	0	0
Hxk1	Dolichol	0	0	0	0	0	0
Hxk1	Ergocalciferol	0	0	0	0	0	0
Erg26	PtdIns(4)P	0	0	0	0	0	0
Erg26	PtdIns(4,5)P2	0	0	0	0	0	0
Erg26	Dihydroceramide	0	0	1	0	0	0
Erg26	Ceramide	0	0	1	0	0	0
Erg26	Phytoceramide C18	0	0	1	0	0	0
Erg26	TAG	0	0	0	0	0	0
Erg26	Dolichol	0	0	0	0	0	0
Ole1	PtdIns(3,4,5)P3	0	0	0	0	0	0
Ole1	PE	0	0	1	0	0	0
Snt2	PtdIns(3)P	0	1	0	0	0	0
Twf1	PtdIns(3)P	0	0	0	0	0	0
Twf1	PtdIns(3,4,5)P3	0	0	0	0	0	0
Twf1	Phytoceramide C18	0	0	0	1	0	0
Ask10	PtdIns(4)P	0	0	0	0	0	0
Ask10	PtdIns(4,5)P2	0	0	0	0	0	0
Ask10	PtdIns(3,4,5)P3	0	0	0	0	0	0
Ask10	Cardiolipin	0	0	1	0	0	0
Ask10	DHS-1P	0	0	1	1	0	0
Mdr1	PtdIns(3,4,5)P3	0	0	0	0	0	0
Mdr1	Phytoceramide C18	0	0	0	0	0	0
Mdr1	TAG	0	0	0	0	0	0
Psd2	TAG	0	0	0	0	0	0
Psd2	Dolichol	0	0	0	0	0	0
Pho81	PtdIns(3)P	0	0	1	0	0	0
Pho81	PtdIns(4)P	0	0	1	0	0	0
Pho81	PtdIns(4,5)P2	0	0	1	0	0	0
Pho81	PtdIns(3,4,5)P3	0	0	1	0	0	0
Pho81	PE	0	0	0	0	0	0
Pho81	Phytosphingosine	0	0	0	0	0	0
Yap1802	PtdIns(4)P	0	1	0	0	0	0
Yap1802	PtdIns(4,5)P2	0	1	0	0	0	0
Yap1802	PtdIns	0	0	0	0	0	0
Yap1802	Cardiolipin	0	1	0	0	0	0
Yap1802	Ceramide	0	1	1	1	0	0
Yap1802	TAG	0	0	0	0	0	0
Yap1802	Dolichol	0	0	0	0	0	0
Yap1802	Ergocalciferol	0	0	0	0	0	0
Osh7	PtdIns(4,5)P2	1	0	1	0	0	0
Osh7	PtdIns(3,4,5)P3	1	0	1	0	0	0
Osh7	Cardiolipin	1	0	0	0	0	0
Osh7	PE	1	0	0	0	0	0

Osh3	PtdIns(4)P	0	1	0	0	0	0
Osh3	PtdIns(4,5)P2	0	1	0	0	0	0
Osh3	Cardiolipin	0	1	1	0	0	0
Osh3	DHS-1P	0	1	1	1	0	0
Osh3	Digalactosyl-DAG	0	0	0	0	0	0
Ypt35	PtdIns(3)P	0	0	0	0	0	0
Ypt35	PtdIns(4)P	0	0	0	0	0	0
Ypt35	PtdIns(4,5)P2	0	0	0	0	0	0
Ypt35	PtdIns	0	0	0	0	0	0
Ypt35	Cardiolipin	0	0	0	0	0	0
Gga2	PtdIns	0	0	0	0	0	0
Gga2	Cardiolipin	0	0	0	0	0	0
Gga2	PE	0	0	0	0	0	0
Yhr131c	PtdIns(4)P	1	0	0	0	0	0
Yhr131c	PtdIns(4,5)P2	1	0	0	0	0	0
Yhr131c	PtdIns	1	0	0	0	0	0
Yhr131c	Cardiolipin	1	0	0	0	0	0
Yhr131c	PE	1	0	0	0	0	0
Yhr131c	DHS-1P	1	0	0	0	0	0
Ysp1	PtdIns(4)P	0	0	1	0	0	0
Ysp1	PtdIns(4,5)P2	0	0	1	0	0	0
Ysp1	PtdIns	0	0	0	0	0	0
Ysp1	Cardiolipin	0	0	0	0	0	0
Ysp1	Sphingosine-1P	0	0	1	1	0	0
Yap1801	PtdIns(3)P	0	0	0	0	0	0
Yap1801	PtdIns(3,4,5)P3	0	0	0	0	0	0
Egd2	PtdIns(3,4,5)P3	1	0	1	0	0	0
Egd2	Cardiolipin	1	0	0	0	0	0
Cbr1	PE	0	0	1	0	0	0
Yrb2	PtdIns(3)P	0	0	0	0	0	0
Yrb2	PtdIns(4)P	0	0	0	0	0	0
Yrb2	PtdIns(4,5)P2	0	0	0	0	0	0
Yrb2	PtdIns(3,4,5)P3	0	0	0	0	0	0
Yrb2	Cardiolipin	0	0	0	0	0	0
Yrb2	PE	0	0	0	0	0	0
Yrb2	TAG	0	0	0	0	0	0
Slm1	PtdIns(4)P	0	0	1	0	1	0
Slm1	PtdIns(4,5)P2	0	1	1	0	1	1
Slm1	PtdIns	0	1	0	0	0	0
Slm1	Cardiolipin	0	1	0	0	0	0
Slm1	PE	0	1	0	0	0	0
Slm1	DHS-1P	0	1	0	1	0	1
Yjl145w	PtdIns(4)P	0	1	0	0	0	0
Yjl145w	PtdIns(4,5)P2	0	1	0	0	0	0
Yjl145w	PtdIns	0	0	0	0	0	0
Yjl145w	Cardiolipin	0	1	0	0	0	0
Yjl145w	PE	0	0	0	0	0	0
Yjl145w	TAG	0	0	0	0	0	0
Yjl145w	1,2-DA-3β-galactosylglycerol	0	1	0	0	0	0
Yjl145w	Dolichol	0	0	0	0	0	0
Yjl145w	Ergosterol	0	0	0	0	0	0

Yjl145w	Ergocalciferol	0	0	0	0	0	0
Ecm25	PtdIns(3)P	0	0	0	0	0	0
Ecm25	PtdIns(3,4,5)P3	0	0	0	0	0	1
Ecm25	PtdIns	0	0	0	0	0	1
Ecm25	Cardiolipin	0	0	0	0	0	0
Ecm25	PE	0	0	0	0	0	0
Ecm25	Phytosphingosine-1P	0	0	1	0	0	0
Ecm25	Sphingosine	0	0	1	0	0	0
Ecm25	Sphingosine-1P	0	0	1	0	0	0
Ecm25	1,2-DA-3β-galactosylglycerol	0	0	0	0	0	0
Ecm25	Digalactosyl-DAG	0	0	0	0	0	0
Ecm25	FarnesylPP	0	0	1	0	0	0
Bud4	PtdIns(3)P	0	0	0	0	0	0
Bud4	PtdIns(4)P	0	0	0	0	0	0
Bud4	PtdIns(4,5)P2	0	0	0	0	0	0
Bud4	PtdIns(3,4,5)P3	0	0	0	0	0	0
Bud4	Cardiolipin	0	0	0	0	0	0
Bud4	PE	0	0	0	0	0	0
Bud4	DHS-1P	0	0	0	0	0	0
Bud4	Phytosphingosine-1P	0	0	0	0	0	0
Bud4	Phytoceramide C18	0	0	0	0	0	0
Bud4	Sphingosine-1P	0	0	0	0	0	0
Bud4	TAG	0	0	0	0	0	0
Bud4	Dolichol	0	0	0	0	0	0
Str2	PE	0	0	0	0	0	0
Str2	TAG	0	0	0	0	0	0
Ykl088w	PtdIns(4)P	0	0	0	0	0	0
Ykl088w	PtdIns(4,5)P2	0	0	0	0	0	0
Ykl088w	Cardiolipin	0	0	0	0	0	0
Ykl088w	PE	0	0	0	0	0	0
Ykl088w	TAG	0	0	0	0	0	0
Ykl088w	Dolichol	0	0	0	0	0	0
Ykl091c	PtdIns(4)P	0	0	0	0	0	0
Ykl091c	PtdIns(4,5)P2	0	0	0	0	0	0
Ykl091c	PtdIns(3,4,5)P3	0	0	0	0	0	0
Ykl091c	PtdIns	0	0	0	0	0	0
Ykl091c	Cardiolipin	0	0	0	0	0	0
Ykl091c	DHS-1P	0	0	0	0	0	0
Ykl091c	Phytosphingosine-1P	0	0	0	0	0	0
Ykl091c	Palmitoyl-CoA	0	0	0	0	0	0
Ykl091c	TAG	0	0	0	0	0	0
Ykl091c	1,2-DA-3β-galactosylglycerol	0	0	0	0	0	0
Ykl091c	Digalactosyl-DAG	0	0	0	0	0	0
Ykl091c	1acyl-glycerol-3P	0	0	0	0	0	0
Ykl091c	GeranylPP	0	0	0	0	0	0
Ykl091c	Dolichol	0	0	0	0	0	0
Apn1	PtdIns(3,4,5)P3	0	0	0	0	0	0
Apn1	PE	0	0	0	0	0	0
Apn1	DHS-1P	0	0	0	0	0	0
Ypk1	PtdIns(4)P	0	0	1	0	1	0
Ypk1	PtdIns(4,5)P2	0	0	1	0	1	0

Ypk1	Cardiolipin	0	0	0	0	0	0
Ypk1	Dihydroceramide	0	0	1	1	0	0
Ypk1	Phytoceramide C18	0	0	1	1	0	0
Ypk1	TAG	0	0	0	0	0	0
Ypk1	Dolichol	0	0	1	0	0	0
Mst1	TAG	0	0	0	0	0	0
Osh6	PtdIns(4,5)P2	0	0	0	0	0	0
Osh6	PtdIns(3,4,5)P3	0	0	0	0	0	0
Osh6	PtdIns	0	0	0	0	0	0
Osh6	PC	0	0	0	0	0	0
Osh6	Cardiolipin	0	0	0	0	0	0
Osh6	PE	0	0	0	0	0	0
Spo14	PC	0	0	1	0	0	0
Spo14	P-methylethanolamine	0	0	1	0	0	0
Spo14	P-dimethylethanolamine	0	0	1	0	0	0
Spo14	Phytosphingosine	0	0	0	0	0	0
Spo14	Dihydroceramide	0	0	0	0	0	0
Spo14	Ceramide	0	0	0	0	0	0
Spo14	Phytoceramide C8	0	0	0	0	0	0
Spo14	Phytoceramide C18	0	0	0	0	0	0
Spo14	Sphingosine	0	0	0	0	0	0
Spo14	TAG	0	0	0	0	0	0
Spo14	1,2-DA-3β-galactosylglycerol	0	0	0	0	0	0
Spo14	Digalactosyl-DAG	0	0	0	0	0	0
Spo14	Dolichol	0	0	0	0	0	0
Spo14	Ergosterol	0	0	0	0	0	0
Dyn1	Phytoceramide C18	0	0	0	0	0	0
Dyn1	TAG	0	0	0	0	0	0
Ykr078w	PtdIns(3)P	1	0	0	0	0	0
Ykr078w	PtdIns(4)P	1	0	0	0	0	0
Ykr078w	PtdIns(4,5)P2	1	0	0	0	0	0
Ykr078w	PtdIns(3,4,5)P3	1	0	0	0	0	0
Rpf2	Cardiolipin	0	1	0	0	0	0
Rpf2	Phytosphingosine-1P	0	1	0	0	0	0
Rpf2	Phytoceramide C18	0	0	0	0	0	0
Rpf2	Sphingosine-1P	0	0	0	0	0	0
Rpf2	TAG	0	0	0	0	0	0
Rpf2	Dolichol	0	1	0	0	0	0
Dnm1	PtdIns(3,4,5)P3	0	0	1	0	0	0
Dnm1	PtdIns	0	0	0	0	0	0
Dnm1	PC	0	0	0	0	0	0
Dnm1	PE	0	0	0	0	0	0
Dnm1	TAG	0	0	0	0	0	0
Dnm1	Dolichol	0	0	0	0	0	0
Erg27	Phytoceramide C18	1	0	0	1	0	0
Erg27	TAG	1	0	0	0	0	0
Erg27	Dolichol	1	0	0	0	0	0
Tfs1	Phytoceramide C18	0	0	0	0	0	0
Tfs1	TAG	0	0	0	0	0	0
Tfs1	Dolichol	0	0	0	0	0	0
Skg3	PtdIns(4)P	0	0	0	0	0	0

Skg3	PtdIns(4,5)P2	0	0	0	0	0	0
Skg3	Cardiolipin	0	0	0	0	0	0
Atg26	PtdIns(3,4,5)P3	0	0	0	0	0	0
Atg26	DHS-1P	0	0	0	1	0	0
Atg26	Ceramide	0	0	0	1	0	0
Atg26	TAG	0	0	0	0	0	0
Atg26	Dolichol	0	0	0	0	0	0
Atg26	Ergosterol	0	0	0	0	0	0
Lcb5	PtdIns(4)P	0	0	1	0	0	0
Lcb5	PtdIns(4,5)P2	0	0	1	0	0	0
Lcb5	PC	0	0	0	0	0	0
Lcb5	Cardiolipin	0	0	0	0	0	0
Lcb5	PE	0	0	0	0	0	0
Lcb5	DHS-1P	0	0	1	0	0	0
Lcb5	Phytosphingosine-1P	0	0	1	0	0	0
Lcb5	Dihydroceramide	0	0	1	0	0	0
Lcb5	Ceramide	0	0	1	0	0	0
Lcb5	Phytoceramide C18	0	0	1	0	0	0
Lcb5	TAG	0	0	0	0	0	0
Lcb5	Dolichol	0	0	0	0	0	0
Lcb5	Ergosterol	0	0	0	0	0	0
Yhc1	PtdIns(3)P	0	0	1	0	0	0
Nup2	PtdIns(3)P	0	0	0	0	0	0
Nup2	PtdIns(4)P	0	0	0	0	0	0
Nup2	PtdIns(4,5)P2	0	0	0	0	0	0
Nup2	PtdIns(3,4,5)P3	0	0	0	0	0	0
Nup2	PtdIns	0	0	0	0	0	0
Nup2	Cardiolipin	0	0	0	0	0	0
Nup2	PE	0	0	0	0	0	0
Nup2	DHS-1P	0	0	0	0	0	0
Nup2	Phytosphingosine-1P	0	0	0	0	0	0
Nup2	Sphingosine-1P	0	0	0	0	0	0
Nup2	1,2-DA-3β-galactosylglycerol	0	0	0	0	0	0
Sgd1	Cardiolipin	0	0	0	0	0	0
Sgd1	Phytoceramide C18	0	0	0	0	0	0
Rom2	PtdIns(3)P	0	1	1	0	0	0
Rom2	PtdIns(4)P	0	1	1	0	0	0
Rom2	PtdIns(4,5)P2	0	1	1	0	0	0
Csr1	PtdIns(4)P	0	1	0	0	0	0
Csr1	PtdIns(4,5)P2	0	1	0	0	0	0
Csr1	PtdIns	0	0	0	0	0	0
Csr1	Cardiolipin	0	1	0	0	0	0
Csr1	PE	0	1	0	0	0	0
Csr1	Phytoceramide C18	0	0	1	0	0	0
Csr1	TAG	0	0	0	0	0	0
Csr1	Dolichol	0	0	0	0	0	0
Tus1	PtdIns(4,5)P2	0	1	0	0	0	0
Tus1	Cardiolipin	0	1	0	0	0	0
Tus1	DHS-1P	0	0	0	0	0	0
Tus1	Phytosphingosine-1P	0	0	0	0	0	0
Sur7	TAG	1	0	0	0	0	0

Tcb3	PtdIns(4)P	1	0	0	0	0	0
Tcb3	PtdIns	1	0	0	0	0	0
Ctk3	Cardiolipin	0	0	1	0	0	0
Ctk3	PE	0	0	1	0	0	0
Erg13	TAG	0	0	0	0	0	0
Erg13	Dolichol	0	0	0	0	0	0
Mvp1	TAG	0	0	0	0	0	0
Erg5	TAG	0	0	0	0	0	0
Erg5	Digalactosyl-DAG	0	0	0	0	0	0
Ymr073c	Cardiolipin	0	0	0	0	0	0
Sec14	Cardiolipin	1	1	1	0	0	0
Sec14	Phytoceramide C18	1	0	0	1	0	0
Sec14	TAG	1	0	0	0	0	0
Sec14	Dolichol	1	0	0	0	0	0
Ypk2	PtdIns(4,5)P2	0	0	1	0	0	0
Ypk2	Cardiolipin	0	0	0	0	0	0
Ypk2	DHS-1P	0	0	0	0	0	0
Sas2	PtdIns(3)P	0	0	0	0	0	0
Erg12	TAG	0	0	0	0	0	0
Erg12	Dolichol	0	0	1	0	0	0
Scs7	PtdIns	0	0	1	0	0	0
Scs7	Cardiolipin	0	0	1	0	0	0
Pse1	PtdIns(3)P	0	0	1	0	0	0
Pse1	PtdIns	0	0	0	0	0	0
Pse1	TAG	0	0	0	0	0	0
Slm2	PtdIns(4,5)P2	0	0	0	0	0	0
Slm2	DHS-1P	0	0	0	0	0	0
Tcb2	PtdIns(4)P	0	0	0	0	0	0
Tcb2	PtdIns(4,5)P2	0	0	0	0	0	0
Tcb2	DHS-1P	0	0	0	0	0	0
Far11	Phytoceramide C18	0	0	0	0	0	0
Far11	TAG	0	0	0	0	0	0
Fpr1	Cardiolipin	0	0	0	0	0	0
Ynl144c	PtdIns(4)P	1	0	0	0	0	0
Ynl144c	PtdIns(4,5)P2	1	0	0	0	0	0
Ynl144c	PtdIns(3,4,5)P3	1	0	0	0	0	0
Ynl144c	PE	1	0	0	0	0	0
Psy2	TAG	0	0	0	0	0	0
Pdr16	PC	0	0	0	0	0	0
Pdr16	TAG	0	0	0	0	0	0
Pdr16	1,2-DA-3β-galactosylglycerol	0	0	0	0	0	0
Pdr16	Dolichol	0	0	1	0	0	0
Pdr16	Ergosterol	0	0	1	0	0	0
Sla2	PtdIns(4,5)P2	0	0	1	0	0	0
Sla2	DHS-1P	0	1	0	1	0	0
Sla2	Phytosphingosine-1P	0	0	0	1	0	0
Sla2	Phytoceramide C18	0	0	0	1	0	0
Pdr17	PtdIns(4)P	0	0	0	0	0	0
Pdr17	PtdIns(4,5)P2	0	0	0	0	0	0
Pdr17	PtdIns	0	0	0	0	0	0
Pdr17	Cardiolipin	0	0	0	0	0	0

Pdr17	PE	0	0	0	0	0	0
Pdr17	DHS-1P	0	0	1	0	0	0
Caf120	PtdIns(3)P	0	0	0	0	0	0
Caf120	PtdIns(4)P	0	0	0	0	0	0
Caf120	PtdIns(4,5)P2	0	0	0	0	0	0
Caf120	DHS-1P	0	0	0	0	0	0
Caf120	Phytosphingosine-1P	0	0	0	0	0	0
Cla4	PtdIns(4)P	1	0	1	0	0	0
Cla4	PtdIns(4,5)P2	1	0	1	0	0	0
Cla4	PtdIns(3,4,5)P3	1	0	1	0	0	0
Cla4	PtdIns	1	0	0	0	0	0
Cla4	Cardiolipin	1	0	0	0	0	0
Cla4	DHS-1P	1	0	0	0	0	0
Cla4	Phytosphingosine-1P	1	0	0	0	0	0
Vps27	Phytoceramide C18	0	0	1	0	0	0
Ira2	PtdIns(3)P	0	0	1	0	0	0
Ira2	PtdIns(3,4,5)P3	0	0	1	0	0	1
Ira2	TAG	0	0	1	0	0	0
Pkh2	PtdIns(4)P	0	0	1	0	1	1
Pkh2	PtdIns(4,5)P2	0	0	1	0	1	1
Pkh2	PtdIns	0	0	0	0	0	1
Pkh2	DHS-1P	0	0	1	0	0	0
Cdc33	PtdIns(4)P	0	0	0	0	0	0
Cdc33	PtdIns(4,5)P2	0	0	0	0	0	0
Cdc33	Cardiolipin	0	0	0	0	0	0
Vps17	TAG	0	0	0	0	0	0
Lcb4	Phytoceramide C18	0	0	1	0	0	0
Las17	PtdIns(3,4,5)P3	0	0	1	0	1	1
Las17	Phytosphingosine-1P	0	0	0	1	0	0
Las17	Sphingosine-1P	0	0	0	1	0	0
Her1	PtdIns(3)P	1	1	0	0	0	0
Her1	PtdIns(4)P	1	1	0	0	0	0
Her1	PtdIns(4,5)P2	1	1	0	0	0	0
Her1	PtdIns(3,4,5)P3	1	1	0	0	0	0
Her1	Cardiolipin	1	1	0	0	0	0
Her1	Phytosphingosine-1P	1	0	0	0	0	0
Her1	Sphingosine-1P	1	0	0	0	0	0
Her1	Dolichol	1	0	0	0	0	0
Sec63	PtdIns(3)P	1	1	1	0	0	0
Sec63	PtdIns(3,4,5)P3	1	0	1	0	0	0
Sec63	Phytoceramide C18	1	0	1	0	0	0
Sec63	TAG	1	0	0	0	0	0
Sec63	Dolichol	1	1	1	0	0	0
Lsp1	PtdIns(4)P	1	1	0	0	0	0
Lsp1	PtdIns(4,5)P2	1	1	0	0	0	0
Lsp1	PtdIns(3,4,5)P3	1	1	0	0	0	0
Lsp1	PtdIns	1	0	0	0	0	0
Lsp1	Cardiolipin	1	1	0	0	0	0
Erg10	Phytoceramide C18	0	0	1	0	0	0
Erg10	TAG	0	0	0	0	0	0
Kes1	PtdIns(3)P	0	1	1	0	0	0

Kes1	PtdIns(4)P	0	1	1	0	0	0
Kes1	PtdIns(4,5)P2	0	1	1	0	0	0
Kes1	PtdIns(3,4,5)P3	0	1	1	0	0	0
Kes1	PtdIns	0	0	1	0	0	0
Ypl150w	PtdIns(3)P	1	0	0	0	0	0
Ypl150w	PtdIns(4,5)P2	1	0	0	0	0	0
Ypl150w	PtdIns(3,4,5)P3	1	0	0	0	0	0
Ypl150w	Cardiolipin	1	0	0	0	0	0
Mcm4	Cardiolipin	0	0	0	0	0	0
Mcm4	Dolichol	0	0	0	0	0	0
Ypr091c	PtdIns(4,5)P2	0	1	1	0	0	0
Ypr091c	PtdIns(3,4,5)P3	0	1	1	0	0	0
Ypr091c	PC	0	0	0	0	0	0
Ypr091c	PE	0	1	0	0	0	0
Ypr091c	DHS-1P	0	1	0	0	0	0
Ypr091c	Ceramide	0	0	0	0	0	0
Ypr091c	TAG	0	0	0	0	0	0
Ypr091c	Dolichol	0	0	1	0	0	0
Ypr091c	Ergosterol	0	0	1	0	0	0
Ypr097w	PtdIns(4,5)P2	1	0	0	0	0	0
Ypr097w	TAG	1	0	0	0	0	0
Ypr097w	Dolichol	1	0	0	0	0	0
Ypr174c	PtdIns(3)P	0	0	0	0	0	0
Ypr174c	PtdIns(3,4,5)P3	0	0	0	0	0	0
Ypr174c	PtdIns	0	0	0	0	0	0
Ypr174c	PE	0	0	0	0	0	0