

**Table S5.** Effect of bait induction level on spectral count coverage of interaction partners. After induction with indicated concentrations of galactose (0.1%, 0.4%, 2%), bait protein was purified and recovery of peptides for interaction partners (SAINT  $\geq 0.85$ ) expressed as peptide counts.

BAIT	HIT	GAL INDUCTION		
		2%	0.40%	0.10%
FMP48	ADR1	9	nd	8
	ASK10	1	nd	1
	BOI1	2	nd	3
	CSR2	2	nd	4
	GCD11	1	nd	2
	GCD6	1	nd	2
	HIS4	9	nd	10
	IML1	5	nd	4
	KOG1	8	nd	4
	KSP1	9	nd	13
	NET1	2	nd	0
	PMD1	4	nd	2
	PUF3	8	nd	6
	RPA135	1	nd	1
	RSP5	3	nd	2
	TCO89	1	nd	1
	TOM1	2	nd	2
	TOR1	6	nd	3
	YLR072W	1	nd	2
	NUP170	0	nd	1
UFD4	0	nd	2	
SLT2	BCK1	22	20	3
	MKK1	8	7	2
	MKK2	9	10	3
	MPM1	1	1	2
	RLM1	4	4	6
	SKG3	14	13	8
	SSK2	2	9	1
FUS3	ADR1	3	11	7
	ALR1	1	0	1
	ASK10	7	15	10
	BCK2	3	8	5
	BOI1	1	4	5
	BOI2	2	0	0
	CDC14	13	0	0
	DIG1	11	9	9
	DIG2	6	4	5
	FKS1	2	14	16
	NAB6	2	1	1
	NET1	26	0	0
	STE12	11	15	13
	STE7	7	7	8
	TEC1	3	1	4
YMR295C	1	1	2	
YPR115W	16	29	21	

\* nd = not determined