Table S4

Yeast **CAR** genes, recognized functions, and human orthologs

CAR gene	recognized function	human ortholog
CDC73	transcription factor (Paf1 complex)	CDC73
CHL1	DNA helicase	DDX11
CTK1	CTD kinase I, catalytic subunit	CDK12
CTK2	CTD kinase I, cyclin-like subunit	CYCLIN K
CTK3	CTD kinase I, regulatory (?) subunit	?
FUN12	eIF5B	EIF5B
GCN5	HAT	KAT2A
HOG1	protein kinase	p38 MAP kinase
HRR25	casein kinase	CSNK1D
HTZ1	histone variant	H2AFX
JEM1	chaperone	DNAJA3
LIA1	hydroxylase	DOHH
MRT4	mRNA turnover	MRTO4
NOT5	transcription; RNA degradation	CNOT3
PHO2	transcription factor	PITX3
PUS1	pseudo-U synthase	PUS1
RAI1	RNase subunit; mRNA 5' PPase	DOM3Z
RDS2	unk	
RVS161	cytoskeleton; budding	BIN3
SAC1	inositol phosphate phosphatase	SACM1L
SET2	histone methyltransferase	SETD2
SPT7	subunit of SAGA txn complex	SUPT7L
UME6	transcription factor	
YPL260w	unk	
ZUO1	chaperone	DNAJC2

CAR genes from Table 1, and recognized functions from SGD. Human orthologs from NCBI Entrez Gene, *via* NCBI BLAST, NCBI HOMOLOGENE, ExPASy GPSDB, SMART database, GeneCards.