

Table 1 (EXTENDED). Rediscovering potential binding site modules from several expression datasets. The table shows binding site combinations found in one or more gene expression datasets (no combination was found in all six datasets). Frequently occurring binding sites in combinations found in several expression datasets are PAC (Polymerase A and C box), mRRPE (Ribosomal RNA Processing Element) and RAP1 (Repressor Activator Protein).

PAC AND mRRPE	5	sporulation	diauxic shift	heat and cold shock	pheromone	DNA-damaging agents
MCM1' AND RAP1 AND SWI5	5	cell cycle	sporulation	diauxic shift	heat and cold shock	DNA-damaging agents
MCM1' AND PAC AND mRRPE	5	sporulation	diauxic shift	heat and cold shock	pheromone	DNA-damaging agents
LYS14 AND PAC AND mRRPE	5	cell cycle	sporulation	diauxic shift	pheromone	DNA-damaging agents
MCM1' AND RAP1	5	cell cycle	sporulation	diauxic shift	heat and cold shock	DNA-damaging agents
ALPHA1 AND PAC AND mRRPE	4	sporulation	diauxic shift	heat and cold shock	DNA-damaging agents	
RAP1 AND SCB	4	diauxic shift	heat and cold shock	pheromone	DNA-damaging agents	
ABF1 AND PAC AND mRRPE	4	cell cycle	diauxic shift	pheromone	DNA-damaging agents	
RAP1 AND SFF AND SWI5	4	diauxic shift	heat and cold shock	pheromone	DNA-damaging agents	
ALPHA1' AND PAC AND mRRPE	4	sporulation	diauxic shift	pheromone	DNA-damaging agents	
PAC AND SCB AND mRRPE	4	sporulation	diauxic shift	heat and cold shock	DNA-damaging agents	
RAP1 AND SCB AND SWI5	4	cell cycle	diauxic shift	pheromone	DNA-damaging agents	
RAP1 AND SWI5	4	cell cycle	diauxic shift	heat and cold shock	DNA-damaging agents	
CSRE AND RAP1	3	cell cycle	diauxic shift	heat and cold shock		
PAC AND SFF' AND mRRPE	3	diauxic shift	heat and cold shock	pheromone		
ALPHA1' AND MCM1' AND RAP1	3	cell cycle	heat and cold shock	DNA-damaging agents		
ALPHA1' AND ALPHA2 AND PAC AND mRRPE	3	diauxic shift	pheromone	DNA-damaging agents		
RAP1 AND SCB AND SFF'	3	heat and cold shock	pheromone	DNA-damaging agents		
ALPHA1 AND RAP1 AND SCB	3	diauxic shift	heat and cold shock	pheromone		
ALPHA1' AND PAC AND SFF' AND mRRPE	3	diauxic shift	heat and cold shock	pheromone		
ALPHA1' AND RAP1 AND SCB	3	diauxic shift	heat and cold shock	DNA-damaging agents		
ABF1 AND PAC	3	diauxic shift	heat and cold shock	DNA-damaging agents		
PAC AND STE12 AND mRRPE	3	diauxic shift	pheromone	DNA-damaging agents		
PAC AND SCB AND SFF' AND mRRPE	3	sporulation	diauxic shift	DNA-damaging agents		

PAC AND SWI5 AND mRRPE	3	diauxic shift	heat and cold shock	DNA-damaging agents		
RAP1 AND mRRPE	3	cell cycle	diauxic shift	heat and cold shock		
ALPHA2 AND PAC AND mRRPE	3	sporulation	diauxic shift	DNA-damaging agents		
CSRE AND SWI5 AND mRRPE	3	diauxic shift	heat and cold shock	DNA-damaging agents		
RAP1 AND SCB AND SFF	3	diauxic shift	pheromone	DNA-damaging agents		
ABF1 AND PAC AND SFF	3	cell cycle	diauxic shift	pheromone		
CSRE AND PAC AND mRRPE	3	diauxic shift	pheromone	DNA-damaging agents		
ALPHA1' AND LYS14 AND PAC	3	sporulation	diauxic shift	DNA-damaging agents		
BAS1 AND PAC AND SFF	2	diauxic shift	pheromone			
PAC AND SCB AND SWI5 AND mRRPE	2	diauxic shift	DNA-damaging agents			
ALPHA1 AND ALPHA2 AND MCB	2	cell cycle	pheromone			
PDR AND RAP1	2	cell cycle	sporulation			
PAC AND SFF' AND STE12	2	diauxic shift	DNA-damaging agents			
ALPHA1 AND ALPHA1' AND PAC AND mRRPE	2	sporulation	DNA-damaging agents			
GCN4 AND Leu3 AND SFF'	2	sporulation	diauxic shift			
ALPHA1' AND MCM1' AND PAC AND SFF' AND mRRPE	2	diauxic shift	pheromone			
ALPHA1' AND RAP1 AND SCB AND SFF'	2	diauxic shift	DNA-damaging agents			
PAC AND REB1	2	diauxic shift	DNA-damaging agents			
ALPHA1' AND RAP1	2	diauxic shift	heat and cold shock			
PDR AND ndt80(MSE)	2	sporulation	pheromone			
ALPHA1' AND MCM1' AND PAC AND mRRPE	2	sporulation	pheromone			
RAP1 AND SFF	2	diauxic shift	heat and cold shock			
CSRE AND RAP1 AND SWI5	2	diauxic shift	heat and cold shock			
MCM1' AND PAC AND SFF' AND mRRPE	2	sporulation	pheromone			
ALPHA1' AND ALPHA2 AND PAC	2	diauxic shift	DNA-damaging agents			
MCM1 AND STRE	2	diauxic shift	DNA-damaging agents			
PAC AND SWI5	2	diauxic shift	heat and cold shock			
ALPHA1' AND PAC AND STE12	2	diauxic shift	pheromone			
ABF1 AND SFF AND mRRPE	2	diauxic shift	heat and cold shock			
ALPHA1 AND RAP1 AND SFF	2	cell cycle	heat and cold shock			
mRRPE AND ndt80(MSE)	2	cell cycle	sporulation			
BAS1 AND PAC AND mRRPE	2	diauxic shift	pheromone			

ALPHA1 AND PAC AND SCB AND mRRPE	2	sporulation	diauxic shift			
RAP1	2	diauxic shift	heat and cold shock			
ALPHA1' AND PAC AND SWI5 AND mRRPE	2	sporulation	DNA-damaging agents			
ALPHA1' AND RAP1 AND SCB AND SFF	2	diauxic shift	DNA-damaging agents			
ALPHA1' AND PAC AND SCB AND mRRPE	2	pheromone	DNA-damaging agents			
ABF1 AND ALPHA1' AND PAC	2	cell cycle	DNA-damaging agents			
PAC AND SFF AND mRRPE	2	diauxic shift	pheromone			
SWI5 AND ndt80(MSE)	2	sporulation	heat and cold shock			
PAC AND SCB AND SFF AND mRRPE	2	diauxic shift	pheromone			
ALPHA2 AND RAP1	2	cell cycle	diauxic shift			
ALPHA1 AND ALPHA1' AND ALPHA2 AND mRRPE	2	diauxic shift	heat and cold shock			
MCB AND MCM1	2	cell cycle	heat and cold shock			
REB1 AND SCB AND SFF AND SWI5	1	diauxic shift				
ALPHA2 AND ndt80(MSE)	1	diauxic shift				
BAS1 AND PAC AND SFF'	1	diauxic shift				
LYS14 AND PAC AND SCB	1	diauxic shift				
ALPHA1 AND CSRE AND STRE	1	cell cycle				
CCA AND PAC	1	diauxic shift				
ALPHA1 AND ALPHA2 AND SCB AND SWI5	1	diauxic shift				
ALPHA1' AND PAC AND SFF'	1	diauxic shift				
ALPHA1' AND LYS14 AND PAC AND mRRPE	1	sporulation				
AFT1 AND SCB AND SFF AND SWI5	1	sporulation				
ALPHA1' AND PAC AND SCB AND SFF' AND mRRPE	1	pheromone				
ATRepeat AND RAP1 AND SFF'	1	diauxic shift				
ALPHA2 AND RAP1 AND SFF AND SWI5	1	diauxic shift				
ALPHA1' AND PAC AND SCB AND SWI5	1	sporulation				
LYS14 AND ndt80(MSE)	1	sporulation				
LYS14 AND SWI5 AND mRRPE	1	diauxic shift				
ALPHA1' AND ALPHA2 AND mRRPE	1	diauxic shift				
ALPHA1 AND ALPHA1' AND PAC AND SFF AND mRRPE	1	pheromone				
CSRE AND HAP234	1	cell cycle				
MCM1' AND SFF' AND SWI5 AND ndt80(MSE)	1	sporulation				

LYS14 AND SCB AND SFF AND mRRPE	1	diauxic shift				
ALPHA1 AND RAP1 AND mRRPE	1	pheromone				
ALPHA1' AND REB1 AND SCB AND SWI5	1	diauxic shift				
ALPHA1 AND ALPHA2 AND PAC AND SFF'	1	diauxic shift				
LYS14 AND PAC AND SFF AND mRRPE	1	pheromone				
ALPHA1 AND CCA AND CSRE AND SFF'	1	cell cycle				
PHO4 AND mRRPE	1	diauxic shift				
MIG1 AND PAC	1	diauxic shift				
ALPHA1' AND HAP234	1	heat and cold shock				
ALPHA1 AND ALPHA1' AND SCB AND SFF' AND SWI5 AND mRRPE	1	diauxic shift				
RAP1 AND SCB AND SFF AND SWI5	1	pheromone				
ALPHA1 AND ALPHA2 AND PAC	1	diauxic shift				
ALPHA1 AND LYS14 AND RPN4	1	DNA-damaging agents				
ALPHA1 AND LYS14 AND mRRPE	1	diauxic shift				
ALPHA1 AND PAC AND SFF'	1	diauxic shift				
ALPHA1 AND MCB AND SWI5	1	pheromone				
ALPHA1 AND PAC AND SFF	1	diauxic shift				
ALPHA1 AND ALPHA2 AND SCB AND SFF AND mRRPE	1	diauxic shift				
MCM1' AND PAC AND SWI5 AND mRRPE	1	diauxic shift				
ALPHA1' AND BAS1 AND PAC	1	diauxic shift				
ALPHA1 AND ECB AND SCB AND SWI5	1	diauxic shift				
LYS14 AND RPN4	1	sporulation				
ALPHA2 AND RPN4 AND SFF	1	DNA-damaging agents				
ALPHA1 AND ALPHA1' AND ALPHA2 AND SCB AND SFF	1	diauxic shift				
ATRepeat AND CSRE AND PDR	1	cell cycle				
CSRE AND OAF1	1	DNA-damaging agents				
HAP234 AND MCM1'	1	cell cycle				
ALPHA1' AND SWI5 AND ndt80(MSE)	1	sporulation				
RPN4 AND SFF	1	heat and cold shock				
CSRE AND PAC AND SWI5	1	DNA-damaging agents				
RAP1 AND zap1	1	diauxic shift				
AFT1 AND ALPHA1 AND ALPHA1' AND SFF	1	cell cycle				

ALPHA1 AND MCB	1	cell cycle				
ALPHA1 AND ALPHA2 AND SCB AND SFF' AND mRRPE	1	diauxic shift				
HSE AND MCM1' AND SCB	1	sporulation				
ALPHA1 AND MCM1' AND REB1	1	DNA-damaging agents				
Leu3 AND mRRPE	1	cell cycle				
ALPHA1 AND RAP1 AND SCB AND SFF	1	pheromone				
MCM1 AND PDR	1	cell cycle				
ALPHA1' AND RAP1 AND SFF	1	diauxic shift				
Gcr1 AND STRE'	1	pheromone				
REB1 AND SCB AND SWI5	1	diauxic shift				
ALPHA1 AND CCA AND MCM1' AND SCB	1	diauxic shift				
ABF1 AND STE12	1	DNA-damaging agents				
ALPHA2' AND mRRPE	1	diauxic shift				
CSRE AND RAP1 AND SFF'	1	heat and cold shock				
ALPHA1 AND ALPHA2' AND mRRPE	1	diauxic shift				
ALPHA2' AND SFF AND mRRPE	1	diauxic shift				
ALPHA1 AND ALPHA1' AND ALPHA2 AND SCB AND SWI5	1	diauxic shift				
ALPHA1 AND RAP1 AND SFF AND SWI5	1	heat and cold shock				
ALPHA1' AND PAC AND REB1	1	diauxic shift				
ALPHA1 AND PAC AND SCB AND SWI5	1	diauxic shift				
ALPHA1 AND ALPHA1' AND ALPHA2 AND LYS14 AND SFF'	1	diauxic shift				
ALPHA1' AND SWI5 AND Ume6(URS1)	1	sporulation				
ALPHA1 AND PAC AND SCB	1	diauxic shift				
ALPHA1' AND ALPHA2 AND RPN4	1	sporulation				
ALPHA1' AND GCN4 AND SCB	1	DNA-damaging agents				
ECB AND MCB	1	pheromone				
ALPHA2' AND MCM1' AND SWI5	1	diauxic shift				
ALPHA1 AND ATRepeat AND PDR AND SFF	1	pheromone				
ALPHA1 AND SFF' AND ndt80(MSE)	1	sporulation				
mRRPE AND zap1	1	diauxic shift				
ALPHA1' AND CSRE AND LYS14	1	heat and cold shock				
ALPHA1' AND CSRE AND SWI5 AND mRRPE	1	DNA-damaging agents				

ALPHA1 AND PAC	1	diauxic shift				
ALPHA1 AND ALPHA1' AND SCB AND SWI5 AND mRRPE	1	diauxic shift				
ALPHA1 AND ALPHA2 AND SCB AND SFF AND SWI5	1	diauxic shift				
LYS14 AND MCM1' AND mRRPE	1	cell cycle				
MCM1' AND SFF' AND ndt80(MSE)	1	sporulation				
ALPHA2 AND RPN4	1	DNA-damaging agents				
LYS14 AND SFF AND mRRPE	1	diauxic shift				
GCN4 AND Leu3	1	sporulation				
ALPHA2 AND CSRE AND SWI5	1	diauxic shift				
PHO AND mRRPE	1	diauxic shift				
ALPHA2 AND PAC	1	diauxic shift				
ALPHA1 AND PAC AND SFF' AND mRRPE	1	sporulation				
ALPHA2 AND REB1 AND SWI5	1	cell cycle				
ALPHA1' AND PDR AND SFF AND SWI5	1	diauxic shift				
CSRE AND PHO4	1	DNA-damaging agents				
ALPHA1 AND PAC AND SFF AND mRRPE	1	sporulation				
ATRepeat AND Gcr1	1	heat and cold shock				
MCB AND SFF AND mRRPE	1	cell cycle				
MCM1' AND PAC AND SCB AND SFF'	1	diauxic shift				
ABF1 AND PAC AND SFF'	1	diauxic shift				
RAP1 AND STRE	1	diauxic shift				
CSRE AND MCM1' AND RAP1	1	cell cycle				
MCB AND SFF' AND SWI5	1	heat and cold shock				
ABF1 AND ALPHA1 AND mRRPE	1	diauxic shift				
MCM1' AND PAC AND SFF AND mRRPE	1	pheromone				
ABF1 AND ALPHA2	1	DNA-damaging agents				
BAS1 AND PAC AND SFF AND mRRPE	1	pheromone				
SFF' AND SWI5 AND Yap1	1	DNA-damaging agents				
LYS14 AND PAC	1	diauxic shift				
CCA AND ndt80(MSE)	1	sporulation				
ALPHA2 AND RAP1 AND SFF' AND SWI5	1	diauxic shift				
ABF1 AND ALPHA1' AND SCB AND SFF'	1	diauxic shift				

ALPHA1' AND ECB AND SFF AND mRRPE	1	cell cycle				
RAP1 AND SFF' AND SWI5	1	diauxic shift				
MCB AND STE12	1	heat and cold shock				
PAC AND RAP1	1	DNA-damaging agents				
ALPHA1 AND ALPHA2 AND MCM1' AND SCB AND SWI5	1	diauxic shift				
ATRepeat AND LYS14	1	heat and cold shock				
ATRepeat AND MCB AND SFF	1	DNA-damaging agents				
Gcr1 AND SCB AND SWI5	1	diauxic shift				
Gcr1 AND PAC	1	diauxic shift				
ALPHA1 AND ATRepeat AND PDR	1	cell cycle				
ALPHA1' AND REB1 AND SCB AND SFF' AND SWI5	1	diauxic shift				
SFF AND mRRPE AND zap1	1	diauxic shift				
PAC AND STE12	1	diauxic shift				
ALPHA1 AND ALPHA1' AND MCM1' AND REB1	1	DNA-damaging agents				
CSRE AND RAP1 AND SFF	1	heat and cold shock				
SFF AND ndt80(MSE)	1	sporulation				
CSRE AND GCN4	1	cell cycle				
ALPHA1 AND ALPHA1' AND SCB AND SFF AND SWI5 AND mRRPE	1	diauxic shift				
PAC AND PDR	1	diauxic shift				
MCM1' AND PAC AND SCB	1	diauxic shift				
ABF1 AND PAC AND SFF' AND mRRPE	1	diauxic shift				
ALPHA1 AND RAP1	1	heat and cold shock				
PAC AND SCB AND SWI5	1	diauxic shift				
MCM1' AND RPN4 AND SCB	1	diauxic shift				
ALPHA1' AND REB1 AND SCB AND SFF'	1	diauxic shift				
ALPHA1 AND MCM1' AND RAP1	1	cell cycle				
ALPHA1 AND RAP1 AND SFF'	1	cell cycle				
ALPHA1' AND REB1 AND SCB AND SFF AND SWI5	1	diauxic shift				
ABF1 AND ALPHA1' AND SCB AND SFF AND SFF'	1	diauxic shift				
ALPHA2 AND MCB AND SFF'	1	pheromone				
CSRE AND MCB	1	cell cycle				
ATRepeat AND RAP1	1	diauxic shift				

ALPHA1 AND ALPHA1' AND ALPHA2 AND MCM1' AND SCB	1	diauxic shift				
ALPHA1 AND PAC AND SFF AND SFF' AND mRRPE	1	sporulation				
ALPHA1' AND RPN4 AND SFF	1	heat and cold shock				
ALPHA1 AND SFF AND ndt80(MSE)	1	sporulation				
PAC	1	diauxic shift				
ABF1 AND MIG1	1	DNA-damaging agents				
RAP1 AND SFF'	1	heat and cold shock				
ALPHA1' AND BAS1 AND STE12	1	DNA-damaging agents				
REB1 AND SCB AND SFF' AND SWI5	1	diauxic shift				
ALPHA1 AND ALPHA1' AND STRE	1	DNA-damaging agents				
PAC AND SFF'	1	diauxic shift				
ALPHA1 AND MCB AND MCM1	1	pheromone				
ALPHA1 AND ALPHA2 AND RAP1 AND SFF'	1	diauxic shift				
ALPHA1 AND RAP1 AND SCB AND SFF'	1	pheromone				
ALPHA1 AND RPN4	1	DNA-damaging agents				
PAC AND SFF AND SFF' AND mRRPE	1	pheromone				
CSRE AND PAC AND SCB	1	heat and cold shock				
ALPHA1 AND ALPHA2 AND RAP1 AND SFF	1	diauxic shift				
ALPHA2 AND RAP1 AND SFF	1	diauxic shift				
ALPHA1' AND PAC AND SFF AND mRRPE	1	pheromone				
ALPHA1 AND ALPHA1' AND MCB	1	heat and cold shock				
ALPHA2 AND RAP1 AND SWI5	1	diauxic shift				
ALPHA1 AND PAC AND SWI5	1	diauxic shift				
MCB AND PAC	1	pheromone				
ABF1 AND RPN4	1	DNA-damaging agents				
RPN4	1	DNA-damaging agents				
ABF1 AND SFF' AND mRRPE	1	diauxic shift				
ALPHA1 AND PAC AND SFF' AND SWI5	1	diauxic shift				
MCM1' AND SFF AND ndt80(MSE)	1	sporulation				
ALPHA1 AND MCM1' AND ndt80(MSE)	1	sporulation				
ABF1 AND SCB AND SFF'	1	diauxic shift				
ALPHA2 AND PAC AND SFF	1	diauxic shift				

LYS14 AND RAP1	1	heat and cold shock				
ABF1 AND PAC AND SCB	1	diauxic shift				
BAS1 AND PAC	1	diauxic shift				
SFF AND SWI5 AND Yap1	1	DNA-damaging agents				
ABF1 AND PAC AND SFF AND mRRPE	1	pheromone				
ALPHA1 AND MCB AND MCM1'	1	cell cycle				
ALPHA1 AND ALPHA1' AND ALPHA2 AND PAC	1	diauxic shift				
ALPHA1' AND MCB AND SCB	1	heat and cold shock				
PAC AND SCB AND SFF'	1	diauxic shift				
MCM1 AND MCM1' AND SFF' AND STE12	1	pheromone				
BAS1 AND PAC AND SFF' AND mRRPE	1	pheromone				
ECB AND MCB AND MCM1	1	pheromone				
ALPHA1 AND SWI5 AND ndt80(MSE)	1	heat and cold shock				
RAP1 AND SFF AND mRRPE	1	diauxic shift				
MCB AND SCB	1	heat and cold shock				
PAC AND SCB	1	heat and cold shock				
ALPHA1 AND ALPHA1' AND PAC AND SFF' AND mRRPE	1	pheromone				
ECB AND SFF AND mRRPE	1	cell cycle				
MCM1 AND ndt80(MSE)	1	sporulation				
ALPHA1' AND PAC AND SCB AND SFF AND mRRPE	1	pheromone				
ALPHA2' AND MCM1' AND mRRPE	1	diauxic shift				
ATRepeat AND LYS14 AND SFF AND SFF'	1	diauxic shift				
SFF' AND mRRPE AND zap1	1	diauxic shift				
ALPHA2 AND PAC AND SCB	1	diauxic shift				
CSRE AND ndt80(MSE)	1	sporulation				
ALPHA2 AND PAC AND SFF'	1	diauxic shift				
CSRE AND PAC	1	heat and cold shock				
ALPHA1 AND RAP1 AND SWI5	1	heat and cold shock				
MCM1 AND PAC AND mRRPE	1	sporulation				
ALPHA1' AND PAC AND SWI5	1	diauxic shift				
BAS1 AND MCB	1	cell cycle				
RAP1 AND SCB AND SFF' AND SWI5	1	pheromone				

