

Study set sorted by known TF-binding sites

TF	Annotation	Regulated genes
araC	transcriptional regulator for ara operon	araB , araE , araF , araJ
argR	repressor of arg regulon; cer-mediated site specific recombination	argA , argC , argD , argG , argI , argR , carA
carP	aminopeptidase A/I; alternate gene name pepA	carA
cpxR	transcriptional regulator in 2-component system	cpxR , htrA , ppiA
crp	cyclic AMP receptor protein	aldA , ansB , araB , araE , araF , araJ , cdd , crp , cyaA , cytR , dadA , deoC , flhD , fur , galE , gcvT , glpA , glpD , glpF , guaB , ilvB , lacZ , malE , malS , malT , manX , melA , mtlA , nagB , nupG , ompA , ompR , pckA , ppiA , proP , ptsH , rhaS , rhaT , rpoH , srlA , tdcA , tnaA , tsx , udp , uxuA
cspA	cold shock protein 7.4; transcriptional activator of hns	gyrA , hns
cynR	cyn operon positive regulator	cynR
cysB	positive transcriptional regulator for cysteine regulon	cysB , cysK
cytR	regulator for deo operon; udp; cdd; tsx; nupC; and nupG	cdd , cytR , deoC , nupG , ppiA , rpoH , tsx , udp
deoR	transcriptional repressor for deo operon; tsx; nupG	deoC
fabR	orf; hypothetical protein; alternate gene name yijC	fabA
fadR	negative regulator for fad regulon; and positive activator of fabA	fabA , fadB , fadD , fadL , iclR
fhIA	formate hydrogen-lyase transcriptional activator for fdhF; hyc and hyp operons	fdhF , hycA , hycB
flhCD	regulator of flagellar biosynthesis acting on class 2 operons; transcription initiation factor	flhB , fliA , fliL
fnr	transcriptional regulation of aerobic; anaerobic respiration; osmotic balance	ansB , cydA , dmsA , fdnG , focA , napF , narG , narK , ndh , nirB , nrfA
fruR	transcriptional repressor of fru operon and others	aceB , edd , epd , fruB , mtlA , pckA , pfkA , ppsA , ptsH , pykF
fur	negative regulator	cirA , fepA , fepB , fur , sodA , tonB
galR	repressor of galETK operon	galE , galP , galR , galS
gcvA	positive regulator of gcv operon	gcvA , gcvT

glpR	repressor of the glp operon	glpA , glpD , glpF
iclR	repressor of aceBA operon	aceB , iclR
ilvY	positive regulator for ilvC	ilvC
lacI	transcriptional repressor of the lac operon	lacZ
lexA	regulator for SOS(lexA) regulon	b1741 , dinG , dinI , ftsK , lexA , polB , recA , recN , ruvA , sulA , umuD , uvrA , uvrB , uvrD , yjiW
malT	positive regulator of mal regulon	malE , malP , malS
marA	multiple antibiotic resistance; transcriptional activator of defense systems	marR
marR	multiple antibiotic resistance protein; repressor of mar operon	marR
melR	regulator of melibiose operon	melA
metJ	repressor of all met genes but metF	metA , metC , metE , metF , metJ
metR	regulator for metE and metH	glyA , metA , metE , metF , metH
mlc	putative NAGC-like transcriptional regulator	malT , manX , mlc , ptsH
modE	molybdate uptake regulatory protein	dmsA , hycA , moaA , modA
nagC	transcriptional repressor of nag (N-acetylglucosamine) operon	glmU , nagB
narL	pleiotrophic regulation of anaerobic respiration: response regulator for nar; frd; dms and tor genes	dmsA , fdnG , focA , frdA , napF , narG , narK , nirB , nrfA
narP	nitrate/nitrite response regulator (sensor NarQ)	fdnG , napF , nirB , nrfA
ntrC	response regulator for gln (sensor glnL) (nitrogen regulator I; NRI); alternate gene name glnG	glnA , glnH , glnL
ompR	response regulator (sensor; EnvZ) affecting transcription of ompC and ompF: outer membrane protein synthesis	fadL , flhD , ompC , ompF
oxyR	activator; hydrogen peroxide-inducible genes	dps , fur , katG , oxyR
pdhR	transcriptional regulator for pyruvate dehydrogenase complex	pdhR
phoB	positive response regulator for pho regulon; sensor is PhoR (or CreC)	phnC , phoB , phoE , pstS , ugpB
purR	transcriptional repressor for pur regulon; glyA; glnB; prsA; speA	carA , codB , cvpA , gcvT , glyA , guaB , purA , purC , purE , purH , purL , purM , purR , purT , pyrC , pyrD
rhaR	positive regulator for rhaRS operon	rhaS

rhaS	positive regulator for rhaBAD operon	rhaT
soxR	redox-sensing activator of soxS	soxS
soxS	regulation of superoxide response regulon	fumC , sodA , soxS , zwf
torR	response transcriptional regulator for torA (sensor TorS)	torC
trpR	regulator for trp operon and aroH; trp aporepressor	mtr , trpE , trpR
tyrR	transcriptional regulation of aroF; aroG; tyrA and aromatic amino acid transport	aroF , aroG , aroL , aroP , mtr , tyrB , tyrP , tyrR

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