

Transcription factor gene name	Metabolite ID from iJO1366	Metabolite name
appY	o2_c	
narL	no3_c	
dcuR	fum_c	
gadX	glu-L_c	
gadW	glu-L_c	
gadE	glu-L_c	
birA	btn_c	biotin
caiF	crnDcoa_c	carnitine
betI	g3pc_c	choline
cysB	acser_c	O-Acetyl-L-serine
dhaR	dha_c	dihydroxyacetone
fabR	actACP_c,aacoa_c	acetyl-phosphate,acetyl-CoA
fadR	actACP_c	acetyl-phosphate
fhIA	for_c	formate
glcC	glcn_c	gluconate
lldR	lac-D_c,lac-L_c	D-lactate,L-lactate
metJ	hcys-L_c	L-Homocysteine
metR	amet_c	S-Adenosylmethionine
mhpR	3hpppn_c	3-(3-hydroxy-phenyl)propionate
modE	moco_c	molybdenum
nac	nh4_c	low_nitrogen
nikR	ni2_c	nickel
crp	camp_c	
oxyR	o2s_c	superoxide anion
pdhR	pyr_c	pyruvate
putA	pro-L_c	proline
rbsR	rib-D_c	ribose
fur	fe2_c	Fe_2+
iclR	pep_c,pyr_c,glx_c	phosphoenolpyruvate
kdgR	2ddglcn_c	2-Dehydro-3-deoxy-D-
marA	4hbz_c	4-hydroxybenzoate/2-
marR	23dhb_c	2,3-Dihydroxybenzoat
nhaR	na1_c	Sodium
zraR	zn2_c	Zinc
argP	arg-L_c,lys-L_c	arginine,lysine
argR	arg-L_c	arginine
asnC	asn-L_c	asparagine
cueR	cu_c	copper
cusR	cu2_c	copper2
cynR	cynt_c	cyanate
cytR	cytd_c	cytidine
dnaA	atp_c	ATP

dsdC	ser-D_c D-serine	
galR	gal_c galactose	
galS	gal_c galactose	
gcvA	gly-L_c L-glycine	
hcaR	3hpppn_c 3-phenylpropionate	
iscR	fe2_c Fe_2+	
lysR	lys-L_c L-lysine	
prpR	micit_c methylisocitrate	
malT	malt_c maltose	
rpoS	stress	
trpR	trp__L_c	
tyrR	tyr__L_c	
rutR	thym_c	ura_c
alaS	ala__D_c	
allR	glx_c	
allS	alltn_c	
alsR	all__D_c	
araC	arab__L_c	
asnC	asn__L_c	
cdaR	glyc__R_c	
deoR	r5p_c	
dpiA	cit_c	
xylR	xyl__D_c	
xapR	xtsn_c	
uxuR	fruur_c	
ulaR	ascb6p_c	
uhpA	g6p_e	
treR	tre6p_c	
soxR	o2s_c	
rhaR	rmn_c	
rhaS	rmn_c	
puuR	ptrc_c	
purR	hxan_c	
paaX	phaccoa_c	
nsrR	no_c	
nemR	mthgxl_c	
narP	no3_c	
nanR	acnam_c	
nagC	acgam6p_c	
murR	acmum6p_c	
mtlR	mnl_e	
melR	melib_c	
idnR	5dglcn_c	

gntR  
glpR  
galR  
galS

glcn\_c  
glyc3p\_c  
gal\_c  
gal\_c

,pyruvate,glyoxylate  
-gluconate  
-Hydroxybenzoic\_acid  
:e