0.0020 - 0.0015 - 0.0010 - 0.0005 - 0.0000 -	Glucose -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.0020 - 0.0015 - 0.0005 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
[5] 0.003 - 0.002 - 0.001 - 0.000 -	Xylose -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	mntagl info [bits] 0.003 - 0.002 - 0.001 - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
0.0020 - 0.0015 - 0.0010 - 0.0005 - 0.0000 -	Arabinose  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.0020 - 0.0015 - 0.0005 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutral info [bits] - 0.000 - 0.000 -	Galactose  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	mutral info [bits] - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mntral 0.006 - 0.005 - 0.000 -	Sodium Salicytate  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.0005 - 0.0000 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
- 0.0010 - 0.0005 - 0.0000 - 0.0000 -	Ethanol (2.5 %)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	[standard of the color of the c	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutual info [bits] - 0.000 -	position relative to TSS  Stationary Phase (1d)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	mntral info [bits] 0.006 - 0.002 - 0.000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mrtnal info [bits] 0.006 - 0.004 - 0.000 -	Stationary Phase (3d)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	[\$ 0.006 - 0.005 - 0.004 - 0.003 - 0.002 - 0.0000 - 0.000 - 0.	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutnal info [bits] - 0.002 - - 0.000 -	position relative to TSS  Cold Shock (1h at 10C)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.0010 - 0.0005 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutual info [bits] - 0.000 -	Ampicillin  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.0008 - 0.0006 - 0.0004 - 0.0002 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutual info [bits] - 0.0000 -	Heatshock -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	muttnal info [bits] - 0.0000 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mntral info [bits] - 0.0015 - 0.0005 - 0.0000 -	H2O2 (0.1mM 30min)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.003 - 0.002 - 0.001 - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
0.0020 - 0.0015 - 0.0010 - 0.0005 - 0.0000 -	LB -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	[st] 0.0008 - 10	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
0.000 - 0.000 - 0.000 -	position relative to TSS  Nirtogen starvation  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	[s] 0.004 - 0.003 - 0.002 - 0.001 - 0.000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
0.002 - 0.001 - 0.000 -	position relative to TSS  Magnesium starvation  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	[5 0.006 - 0.005 - 0.004 - 0.003 - 0.002 - 0.000 - 0.0	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutral iuto [pits] 0.006 - 0.003 - 0.000 - 0.000 - 0.000 -	Sulphur starvation  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	[si] 0.0020 - 0.0015 - 0.0000 - 0.0000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutual info [bits] - 0.000 -	position relative to TSS  Sodium Salicytate (induction)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	[o.003 - 0.002 - 0.001 - 0.000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutnal info [bits] - 0.0000 -	Ampicillin (induction)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	0.0010 - 0.0005 - 0.0000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutnal info [bits] - 0.0000 -	position relative to TSS  Ethanol (induction)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	mntrag	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutnal info [bits] - 500.0 - 000.0	position relative to TSS  Glutamic acid (pH 2.5)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	mutnal info [bits] 0.01 - 0.00 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutnal info [bits] - 0.0000 - 0.0000 -	Leucine (10mM)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	0.0015 - ig 0.0010 - ig 0.0005 - 0.0000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutnal into [bits] 0.020 - 0.015 - 0.005 - 0.000 -	position relative to TSS  2pH (HCl)  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	mntnal info [bits] - 0.000 - 0.000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutual info [bits] - 0.0000 -	position relative to TSS  Medium Cold shock 19C  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	[5] 0.0015 - 0.0005 - 0.0000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mutual info [bits] - 50000 - 00000	2,2-Dipyridyl  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	mutral info [bits] - 0.0000 - 0.0000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
mntnal iuto [pits] 0.004 - 0.003 - 0.000 - 0.000 -	Phenazine Methosulfate  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	0.0020 - 0.0015 - 0.0005 - 0.0000 -	position relative to TSS  -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
	position relative to TSS		position relative to TSS
0.0015 - 0.0010 - 0.0005 - 0.0000 -	H2O2 (2.5mM, 10min)	mntnal info [bits] 0.003 - 0.002 - 0.0001 - 0.0000 -	
mntnal info 0.008 - 0.006 - 0.002 - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Gentamycin	mutnal info [bits] - 000.0 - 000.0	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
0.000 mntral info [bits] - 0.000 - 0.000 - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Copper Sulfate (500μM)	0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutual info [bits] - 500000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  HOCI (4mM)	0.0015 - intra interpretation of the contraction of	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutnal info [bits] - 0.003 - 0.000 - 0	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Spermidine	0.0000 - 0.0000 - 0.0000 - 0.0000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
- 0.0000 - 0.0000 - 0.0000 - 0.0000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Serine Hydroxamate	0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.0000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.0000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.0000000 - 0.000000 - 0.00000000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
- 0.0000 - 0.0005 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.0000000 - 0.0000000 - 0.00000000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Anaerobic	0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.0000000 - 0.000000 - 0.000000 - 0.000000 - 0.0000000 - 0.0000000 - 0.0000000 - 0.00000000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
0.0000 - 0.0004 - 0.003 - 0.002 - 0.001 - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Low Osmolarity	0.0000 - 0.0000 - 0.0008 - 0.0006 - 0.0004 - 0.0002 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
0.000 - 0.000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  LB + 0.75M NaCl	0.0000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.0000000 - 0.00000000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutral info [bits] - 0.0000 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Low Phosphate	untral info [bits] 0.0000 - 0.0000 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutnal info [bits] - 0.0000 - 0.015 - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Copper Sulfate (2mM)	© 0.0000 - 0.00000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.00000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.00000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.00000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.00000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
o.006 - 0.005 - 0.004 - 0.000 - 0.002 - 0.001 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Acetate	[stig] 0.004 - 0.002 - 0.001 - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
mutnal info [bits] - 1000.0 - 2000.0 - 2000.0	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Nitrate	utual info [bits] - 500000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
0.0000 - 0.0000 - 0.0015 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.00000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.0000000 - 0.00000000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS  Anaerobic + Nitrate	- 8000.0 pit - 0.0000 - - 2000.0 pit - 2000.0 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS
0.0010 - 0.0005 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.0004 - 0.0002 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS