mutnal info [bits] - 0.000 - 0.000 -	Glucose -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.002 - 0.001 - 0.000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS	20 30 40
0.0015 - 0.0010 - 0.0005 - 0.0000 -	Xylose -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	0.002 - 0.001 - 0.000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10	20 30 40
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 State 0.004 - 0.003 - 0.002 - 0.001 - 0.000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10	20 30 40
mutnal info [bits] - 0.000 -	Galactose -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS 50	20 30 40
0.004 - 0.003 - 0.002 - 0.001 - 0.000 -	Sodium Salicytate -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	0.0020 - 0.0015 - 0.0005 - 0.0000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10	20 30 40
0.008 - 0.006 - 0.004 - 0.002 - 0.000 -	Ethanol (2.5 %) -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 - 0.0001 - 0.0001 - 0.0000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000	20 30 40
mutnal iuto [pits] 0.04 - 0.02 - 0.01 - 0.00 -	position relative to TSS Stationary Phase (1d) -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS State O.015 - O.000 - O.	20 30 40
0.0050 - 0.0025 - 0.0000 -	position relative to TSS Stationary Phase (3d) -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS [5] 0.010 - 0.005 - 0.000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10	20 30 40
0.0015 - 0.0010 - 0.0005 - 0.0000 -	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 - 0.0000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10	20 30 40
0.003 - 0.002 - 0.001 - 0.000 -	Ampicillin -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 - 0.0000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10	20 30 40
0.0015 - 0.0010 - 0.0005 - 0.0000 -	Position relative to TSS Heatshock -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS Signature 0.002 - 0.001 - 0.000	20 30 40
mutual info [bits] - 0.000 - 0.000 -	position relative to TSS H2O2 (0.1mM 30min) -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS [5] 0.002 - 0.001 - 0.000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10	20 30 40
mutnal info [bits] - 0.0000 - 0.0000 -	LB LB -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	0.0004 - 0.0002 - 0.0000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10	20 30 40
mutual info [bits] 0.000 -	Nirtogen starvation -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS 0.04 - 0.03 - 0.02 - 0.01 - 0.00	20 30 40
0.010 - 0.005 - 0.000 -	position relative to TSS Magnesium starvation -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS 50	20 30 40
0.008 - - 0.006 - 0.004 - 0.002 - 0.000 -	Sulphur starvation -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS Star 0.008 - 0.006 - 0.004 - 0.002 - 0.000 - 0.0	20 30 40
mutnal info [bits] - 0.005 - 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	position relative to TSS Signature 0.010 - 0.005 - 0.000	20 30 40
mntnal info [bits] 0.002 - 0.001 - 0.000 -	Ampicillin (induction) -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40	position relative to TSS State 0.003 - 0.002 - 0.001 - 0.000 - 0.	20 30 40
0.0020 - 0.0015 - 0.0010 - 0.0005 - 0.0000 -	Ethanol (induction) -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40		20 30 40
mutraal julo [pits] 0.004 - 0.002 - 0.001 - 0.000 -	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	position relative to TSS State 0.006 - 0.004 - 0.002 - 0.000 -	20 30 40
mutnal info [bits] 0.002 - 0.000 -	Leucine (10mM) -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	position relative to TSS 10	20 30 40
mntral mutral mu	2pH (HCl) -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.0010 - 0.0005 - 0.0000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS	20 30 40
mntnal jufo [pits] 0.003 - 0.002 - 0.001 - 0.000 -	Medium Cold shock 19C -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.002 - 0.000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS	20 30 40
mutraal julo [pits] 0.004 - 0.003 - 0.002 - 0.001 - 0.000 -	2,2-Dipyridyl -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	0.0015 - 0.0010 - 0.0005 - 0.0000110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS	20 30 40
mutnal info [bits] 0.004 - 0.002 - 0.000 -	Phenazine Methosulfate -110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	Signature Sign	20 30 40
0.0015 - 0.0010 - 0.0000 - 0.0000 -	H2O2 (2.5mM, 10min)	0.0006 - 0.0005 - 0.0004 - 0.0003 - 0.0002 - 0.0001 - 0.0000 -	
0.0000 - 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 Gentamicin	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS 0.0010 - 0.0005 -	20 30 40
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)	0.0000	20 30 40
mntnal info [bits] 0.0008 - 0.0000 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS HOCI (4mM)	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS 0.0015 - 0.0005 - 0.0005 - 0.0000 -	20 30 40
mutnal info [bits] - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS Spermidine	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS	20 30 40
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 Serine Hydroxamate	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS 0.0015 - 0.0005 - 0.0000 -	20 30 40
mutnal info [bits] 0.003 - 0.001 - 0.000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS Anaerobic	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS	20 30 40
mutnal 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 Low Osmolarity	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS 0.0020 - 0.0015 - 0.0005 - 0.0005 - 0.0000 -	20 30 40
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 LB + 0.75M NaCl	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS 10	20 30 40
0.000 - 0.000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS Low Phosphate	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS 0.0020 - 0.0015 - 0.0005 - 0.0005 - 0.0000 -	20 30 40
0.000 - 0.000 - 0.003 - 0.002 - 0.001 - 0.000		-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS 0.0010 - 0.0005 - 0.0000 -	20 30 40
0.000 - 0.000	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS Acetate	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS [\$\frac{1}{10}\$] 0.003 - 0.002 - 0.000 - 0.	20 30 40
0.0000 - 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 - 0.000000 - 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 Nitrate	0.0020 - 0.0015 - 0.0005 - 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 - 0.00000 - 0.0000	20 30 40
0.0020 - 0.0015 - 0.0010 - 0.0005 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS Anaerobic + Nitrate	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 position relative to TSS	20 30 40
0.0005 - 0.0000 -	-110-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 position relative to TSS	€ 0.000 -	20 30 40