

**Supplementary Table 1.** H-NS bound loci on the *E. coli* W3110 genome

Locus tag <sup>a</sup>	Associated gene <sup>b</sup>	Microarray <sup>c</sup>	Note	RNAP <sup>e</sup>	$\Delta hns^f$
1	CDS: hokC, 5': nhaA			yes	up
2	CDS: caiF, CDS: caiE, CDS: caiD				up
3	5': caiT, 5': fixA	caiT: -2.27		yes	
4	CDS: yabP, 5': yabQ				up
5	5': leuA, CDS: leuL, CDS: leuO, 5': ilvI	leuO: 8.69		yes	up
6	5'up: yabB			yes	
7	CDS: yadC, CDS: yadK, CDS: yadL, CDS: yadM, CDS: htrE, CDS: yadN: 23.12 ecpD, CDS: yadN		fimbria	yes	up
8	CDS: dgt				
9	CDS: tRNA-Asp, CDS: yafT, CDS: yafU			yes	up
10	5': yafK, CDS: yafQ, CDS: dinJ, 5': yafL				
11	CDS: yafN, CDS: yafO, CDS: yafP, 5': ykfJ				
12	CDS: cri, CDS: phoE		fimbria	yes	
13	5': yagG				
14	CDS: yagK, CDS: yagL, CDS: yagM, CDS: yagN, CDS: intF	yagK: 24.78	phage	yes	up
15	CDS: yagU, CDS: ykgJ				
16	5': yagZ, CDS: ykgK, CDS: ykgL, CDS: ykgM, CDS: eaeH, CDS: b0298, CDS: tra5_5, CDS: ykgA, CDS: ykgB, CDS: ykgI, CDS: ykgC, CDS: ykgD, CDS: ykgE, CDS: ykgF, CDS: ykgG, CDS: b0309, CDS: ykgH	yagY: 8.34, yagX: 2.52, ykgB: 40.86	fimbria	yes	up
17	CDS: yahA, CDS: yahB, CDS: yahC, CDS: yahD, 5': yahE			yes	up
18	CDS: yahL, CDS: yahM, CDS: yahN, CDS: yahO, CDS: prpR			yes	up
19	CDS: lacA, CDS: lacY				
20	5': yaiO, CDS: b0359, CDS: yi21_1, CDS: yi22_1, CDS: b0362, CDS: yaiP, CDS: yaiS, 5': tauA		IS	yes	up
21	5': hemB, CDS: b0370, 5': yaiT			yes	up
22	CDS: yaiV				
23	CDS: yaiB, 5': phoA			yes	up
24	CDS: aroM, CDS: yaiE, CDS: ykiA				
25	5': cyoA	cyoA: 10.2		yes	down
26	5': maa, CDS: hha, CDS: ybaJ	hha: 20.75, ybaJ: 4.14		yes	up
27	CDS: ybbL, 5': ybbM				
28	5': rhsD			yes	
29	CDS: ybbC, CDS: b0499, CDS: ybbD, CDS: b0501			yes	up
30	CDS: hyl, CDS: glxR, CDS: ybbV, CDS: allP, CDS: allB, CDS: ybbY, CDS: glxK, CDS: ylbA, CDS: allC, CDS: allD, 5': fdrA			yes	up
31	CDS: sfmA, CDS: sfmC, CDS: sfmD, CDS: sfmH, CDS: sfmF, CDS: fimZ, CDS: tRNA-Arg, CDS: intD, CDS: b0538, CDS: b0540, CDS: tra5_2, CDS: b0542, CDS: emrE, CDS: ybcK, CDS: ybcL, CDS: ybcM, CDS: ybcN, CDS: ninE, CDS: ybcO, CDS: rus, CDS: ybcQ, CDS: trs5_2, CDS: nmpC, CDS: ybcR, CDS: ybcS, CDS: ybcT, CDS: ybcU, CDS: ybcV, CDS: ybcW, CDS: nohB, CDS: ybcX, CDS: ybcY, CDS: ylcE, CDS: appY, CDS: ompT	ybcL: 3.41, appY: 2.74	phage, fimbria	yes	up
32	5': fepE			yes	up
33	5': ybdN, CDS: ybdO			yes	up
34	5': citC, 5': citA			yes	
35	5': dcuC, CDS: crcA, 5': cspE			yes	up
36	CDS: ybeF			yes	
37	5': ybeQ, CDS: ybeR, CDS: ybeS, CDS: ybeT, 5': ybeU				up
38	5': hscC				
39	5'up: ybfM			yes	
40	CDS: ybfP, CDS: ybfG, CDS: ybfH				up
41	5': speF			yes	
42	CDS: ybfA				up
43	CDS: ybfB, CDS: ybfO, CDS: ybfC, CDS: ybfL, CDS: ybfD, 5': ybgA			yes	up
44	5': ybgQ, CDS: ybgD, CDS: gltA		fimbria	yes	down
45	5': cydA	cydA: 2.45, cydB: 9.26		yes	
46	5': ybhD, CDS: ybhH, CDS: ybhI, 5': ybhJ				up

47	CDS: ybhM				up
48	5': dps, CDS: ybiF	dps: 30.71, ompX: 3.58		yes	up
49	CDS: yliE, CDS: yliF			yes	up
50	5': ybjL			yes	up
51	CDS: aqpZ, 5': ybjD			yes	
52	5'up: lrp	lrp: 30.69		yes	
53	CDS: ycaM, CDS: ycaN, CDS: ycaK				
54	5': focA	pflB: 2.83		yes	up
55	5': ompF	ompF: -3.85		yes	down
56	5': ssuE, CDS: ycbQ, CDS: ycbR, 5': ycbS	ycbQ: 8.86		yes	up
57	5': ycbW	ycbW: 3.00		yes	up
58	5': ymcB, CDS: ymcC, CDS: ymcD, CDS: insB_4, CDS: cspH, CDS: cspG, CDS: sfa	cspG: 9.1		yes	up
59	5': cbpA, CDS: yccE, 5': agp			yes	up
60	CDS: putP, CDS: b4490, CDS: ycdO, CDS: ycdB, CDS: phoH, CDS: ycdP, CDS: ycdQ, CDS: ycdR, CDS: ycdS, CDS: ycdT, CDS: tra5_3, CDS: b1027, CDS: b1028, CDS: ycdU, CDS: tRNA-Ser, CDS: ycdW, CDS: ycdX, CDS: ycdY, CDS: ycdZ, CDS: csgG, CDS: csgF, CDS: csgE, CDS: csgD, CDS: csgB, CDS: csgA, CDS: csgC, CDS: ymdA, CDS: ymdB, CDS: ymdC, CDS: mdoC, 5': mdoG	ycdT: 2.97, csgA: 2.83	fimbria	yes	up (down: putA, putP)
61	CDS: ycel, CDS: yceJ, CDS: yceO, CDS: solA, CDS: yceP, CDS:				up
62	CDS: ycfZ, CDS: ymfA				
63	5': lit		phage	yes	
64	CDS: ycgW, CDS: ycgX, CDS: ycgE, CDS: ycgF, CDS: ycgZ, CDS: ycgH: 2.5, ymgA, CDS: ymgB, CDS: ymgC, CDS: ycgG, CDS: ycgH, CDS: ymgD, CDS: b1172, CDS: b1173, CDS: minE, CDS: minD, CDS: minC, CDS: ycgJ, CDS: ycgK, CDS: ycgL, CDS: ycgM, CDS: ycgN, CDS: hlyE, 5': umuD	ycgE: 14, ycgX: 3.02	hemolysin	yes	up
65	CDS: ymgE, 5': ycgY				up
66	5': ycgV		adhesion	yes	up
67	5'up: narG				
68	5': hns, CDS: tdk			yes	up
69	5': oppA			yes	
70	CDS: kch, CDS: yciI, CDS: tonB, CDS: yciA, CDS: ispZ, CDS: yciC, CDS: yciD, CDS: yciE, CDS: yciF, CDS: yciG	yciF: 2.31, yciG: 6.26		yes	up
71	CDS: cysB, 5': acnA			yes	up
72	CDS: osmB, CDS: yciT			yes	up
73	CDS: pspE, CDS: ycjM, 5': ycjN				
74	CDS: ompG, CDS: ycjW				up
75	CDS: ycjZ, CDS: mppA, CDS: ynal				up
76	CDS: abgR, 5': ydaL			yes	
77	5': intR, CDS: xisR, CDS: ydaC, CDS: lar		phage		up
78	5': recE, CDS: racC, CDS: kil, CDS: sieB, CDS: b1354, CDS: ydaG, CDS: racR, 5': ydaS		phage		up
79	CDS: trkG, CDS: b1364, CDS: ynaK, CDS: ydaY, CDS: b1367, 5':				up
80	CDS: tfaR, CDS: pinR, CDS: ynaE, CDS: ynaF, CDS: ompN	ynaE: 6.14, ompN: 2.5	phage	yes	up
81	ND				
82	CDS: ydbA, CDS: ydbC, CDS: ydbD, CDS: ynbA, CDS: ynbB, 5': ynbC	ydbA: 17.62, ydbD: 2.93		yes	up
83	5': ydcL				up
84	CDS: yncC				up
85	CDS: yncG, CDS: yncH, CDS: rhsE, CDS: ydcD, CDS: b1458, CDS: b1459, CDS: ydcC, CDS: ydcE	ydcD: 5.03,		yes	up
86	5': narU, CDS: yddJ, CDS: yddK, CDS: b1472, CDS: yddG			yes	up
87	5': sfcA, CDS: rpsV, CDS: bdm, 5': osmC	osmC: 5.89			up
88	5': yddV, CDS: yddW, CDS: xasA, CDS: gadB, CDS: pqqL, CDS: yddB, CDS: yddA, CDS: ydeM, CDS: ydeN, CDS: ydeO, CDS: b1500, CDS: ydeP, CDS: ydeQ, CDS: ydeR, CDS: ydeS, CDS: b1505, CDS: b1506, CDS: hipA, CDS: hipB, CDS: ydeU, CDS: ydeK	yddA: 10.06, b1505 (ydeT): 43.47, ydeP: 7.47, ydeO, 3.87, xasA (gadC): 13.67, gadB: 56.32	fimbria, adhesion	yes	up

89	CDS: yneK, CDS: sotB, CDS: marC, CDS: marR, CDS: marA, CDS: marB, CDS: eamA, CDS: ydeE, CDS: ydeH, CDS: ydel, CDS: ydeJ, CDS: dcp, CDS: ydfG, CDS: ydfH, CDS: ydfZ, CDS: ydfI, CDS: ydfJ, CDS: ydfK, CDS: pinQ, CDS: tfaQ, CDS: stfQ, CDS: nohA, CDS: ydfO, CDS: gnsB, CDS: ynfN, CDS: cspl, CDS: ydfP, CDS: ydfQ, CDS: ydfR, CDS: essQ, CDS: cspB, CDS: cspF, CDS: ydfT, CDS: ydfU, CDS: rem, CDS: hokD, CDS: relE, CDS: relB, CDS: ydfV, CDS: flxA, CDS: ydfW, CDS: ydfX, CDS: dicC, CDS: dicA, CDS: ydfA, CDS: ydfB, CDS: ydfC, CDS: dicB, CDS: ydfD, CDS: ydfE, CDS: b1578, CDS: intQ, CDS: rspB, CDS: rspA, CDS: ynfA, CDS: ynfB, CDS: speG, CDS: ynfC, CDS: ynfD, 5': ynfE	pinQ: 2.69, cspl: 8.71, cspB: 4.1	phage	yes	up
90	CDS: asr, CDS: ydgD, CDS: ydgE, CDS: ydgF, 5': ydgG				up
91	5': uidC				
92	CDS: blr, CDS: ydgT, CDS: ydgK	ydgK: 4.02		yes	up
93	5': ydgR			yes	
94	5': ydhH, CDS: slyB, CDS: slyA, 5': ydhI		hemolysin	yes	up
95	5': ydhV, CDS: ydhY, CDS: ydhZ, CDS: pykF, CDS: lpp			yes	up
96	CDS: ydiL, CDS: ydiM, CDS: ydiN, CDS: ydiB, CDS: aroD, CDS: ydiF, CDS: ydiO, CDS: ydiP	ydiO: 32.70		yes	up
97	5': ppsA, CDS: ydiA, CDS: aroH, CDS: ydiE, CDS: ydiU, CDS: ydiV			yes	up
98	5': thrS, CDS: arpB, CDS: ydiY			yes	up
99	5': ydjO, CDS: cedA			yes	up
100	5': celF, CDS: celD, CDS: celC, CDS: celB, CDS: celA, CDS:				up
101	5': spy	spy: 8.83			up
102	5': astC, 5': xthA				
103	CDS: ynjI				up
104	CDS: ydjE, CDS: ydjF, CDS: ydjG, CDS: ydjH, CDS: ydjI, CDS:	ydjH: 4.6			up
105	CDS: yeal, CDS: yeaJ, CDS: yeaK, CDS: b1788, CDS: yeaL, CDS: yeaM, CDS: yeaN, CDS: yeaO, CDS: yoaF, CDS: yeaP, CDS: yeaQ, CDS: yoaG, CDS: yeaR, CDS: yeaS, CDS: yeaT, CDS: yeaU, 5': yeaV				up
106	CDS: yoaB, CDS: yoaC, CDS: yoaH			yes	up
107	CDS: manX, CDS: manY, CDS: manZ, CDS: yobD, CDS: yebN, CDS: rrmA, CDS: cspC, CDS: yobF, CDS: yebO, CDS: yobG, CDS: kdgR, 5': yebQ	cspC: 4.73		yes	up
108	5': ruvA, CDS: yebB			yes	up
109	5': torZ, CDS: torY			yes	
110	CDS: yecT				
111	CDS: yecG		IS	yes	up
112	5': araF, CDS: yecI, CDS: b1903, CDS: yecR, CDS: ftn, CDS: yecH	ftn: 3.54		yes	up
113	5': uvrY, CDS: yecF, CDS: sdiA			yes	up
114	CDS: yedL, CDS: b4495, CDS: yedM, 5': b1936			yes	up
115	CDS: fliR, CDS: rcsA, CDS: dsrB, CDS: yodD	fliR: -1.97, rcsA: 2.6		yes	up
116	5': yedR, CDS: yedS, CDS: yedU, CDS: yedV, CDS: yedW, CDS: yedX, CDS: yedY, CDS: yedZ, CDS: yodA, CDS: yodB, CDS:	yedW: 35.36, yedV: 6.17		yes	up
117	CDS: yeeL, CDS: shiA, CDS: amn, CDS: yeeN, CDS: tRNA-Asn	yeeN: 6.31		yes	up
118	5': b1995		IS	yes	
119	5': yeeE				
120	5': wzzB, CDS: ugd, CDS: gnd, CDS: trs5_7, CDS: wbbL, CDS: wbbK, CDS: wbbJ, CDS: wbbI, CDS: wbbH, CDS: glf, CDS: rfbX, CDS: rfbC, CDS: rfbA, CDS: rfbD, CDS: rfbB, CDS: galF	ugd: 3.24, gnd: 3.57, wbbI: 2.75, wbbJ: 4.20, wbbK: 2.15, glf: 2.53	o-antigen	yes	up
121	5': gmd, CDS: wcaF, CDS: wcaE, CDS: wcaD, CDS: wcaC, CDS: wcaB, CDS: wcaA, CDS: wzc, CDS: wzb, CDS: wza, 5': yegH	cpsB: 2.7, wcaA: 2, wcaC: 6.64, wcaE: 8.7, wcaF: 4.69, wcaI: 6.3, wcaH (amm) :		yes	up
122	5': yegl, CDS: yegJ			yes	up

123	CDS: ogrK, CDS: b2083, CDS: b2084, CDS: yegR, CDS: yegS, CDS: gatR, CDS: gatD, CDS: gatC, CDS: gatB, CDS: gatA, CDS: gatZ, CDS: gatY	yegR: 13.33,	phage	yes	up
124	CDS: yohN, CDS: yehA, CDS: yehB, CDS: yehC, CDS: yehD,	yehA: 6.32	fimbria	yes	up
125	CDS: molR (partial in central region)				
126	5': yehL			yes	
127	CDS: yohH			yes	up
128	CDS: sanA, CDS: yeiS, 5': yeiT			yes	up
129	5': mglC, CDS: mglA			yes	down
130	5': rihB, CDS: yeiL, CDS: yeiM, CDS: yeiN, CDS: yeiC				up
131	5': ompC	ompC: 3.24		yes	up
132	5': yfaL			yes	
133	5': yfaZ, CDS: yfaO, CDS: ais, 5': yfbE				up
134	5': elaA, CDS: elaC, CDS: elaD, CDS: yfbK, CDS: yfbL, CDS: yfbM, CDS: yfbN, CDS: b2274, CDS: b2275			yes	up
135	5': yfbQ			yes	
136	5': yfcU, CDS: b2339, CDS: sixA, CDS: yfcX, CDS: yfcY, CDS: yfcZ, CDS: fadL, CDS: b2345, CDS: vacJ, CDS: yfdC, CDS: tRNA-Arg, CDS: intS, CDS: yfdG, CDS: yfdH, CDS: yfdI, CDS: tfaS, CDS: yfdK, CDS: yfdL, CDS: yfdM, CDS: yfdN, CDS: yfdO, CDS: yfdP, CDS: yfdQ, CDS: yfdR, CDS: yfdS, CDS: yfdT, CDS: dsdC, CDS: dsdX, CDS: dsdA, CDS: emrY, CDS: emrK, CDS: evgA, CDS: evgS, CDS: yfdE, CDS: yfdV, CDS: yfdU, CDS: yfdW, CDS: vfdX, CDS: vodI, CDS: vfdY, CDS: dda, CDS: vfdZ, 5': vodA	yfdW: 8.08, evgA: 7.35	fimbria, phage	yes	up
137	5': xapR, CDS: xapB, CDS: xapA, 5': yfeN				up
138	5': eutQ, 5': eutP, CDS: ypfE				
139	5': yffB			yes	up
140	5': yfgF, CDS: yfgG, CDS: yfgH, 5': yfgI			yes	up
141	tail to tail: sseA-sseB			yes	
142	5': yphF				
143	CDS: yfhL			yes	up
144	CDS: yfiL, CDS: yfiR, 5': yfiN				
145	CDS: yfjH, CDS: alpA, CDS: yfjI, CDS: yfjJ		phage	yes	up
146	5': b2640, CDS: b2641, CDS: yfjW			yes	up
147	5': ypjA, CDS: b2648, CDS: b2649, CDS: b2650, CDS: b2651, CDS: tRNA-Ile, CDS: b2653, CDS: b2654, CDS: ygaR, CDS: b2657, CDS: b2658, 5': b2659			yes	up
148	5': yqaE, CDS: b2667, CDS: ygaP, CDS: stpA, 5': b2670	ygaP: 6.22, stpA: 9.76		yes	up
149	5': proV	proX: 3.5			up
150	CDS: pphB				up
151	5': ygcK, CDS: ygcL, CDS: ygcB	ygcF: 4.91, ygcJ: 4.04, ygcK: 4.35, ygcL: 8.17		yes	up
152	5': b4463, CDS: ygcW, CDS: yqcE, CDS: ygcE, CDS: ygcF, CDS:			yes	up
153	5': fucA, 5': fucP				up
154	5': araE, CDS: kduD, CDS: kduI, CDS: yqeF, CDS: yqeG, CDS: yqeH, CDS: yqeI, CDS: yqeJ, CDS: yqeK, CDS: ygeF, CDS: ygeG, CDS: ygeH, CDS: ygeI, CDS: b2854, CDS: ygeK, CDS: b2856, CDS: b2857, CDS: b2858, CDS: b2859, CDS: yi22_4, CDS: yi21_4, CDS: ygeP, CDS: ygeQ, CDS: tRNA-Gly, CDS: ygeR		IS	yes	up
155	5': ygeV, 5': ygeW				up
156	5': yqeC, CDS: ygfJ, 5': ygfK				up
157	5': ygfT, CDS: ygfU, 5': idi				up
158	5': gcvT				
159	5': yggP, CDS: cmtA, CDS: cmtB			yes	up
160	5'up: galP				
161	5': yghF, CDS: yghG				
162	5': yghJ, CDS: yghK			yes	
163	5': yghS, CDS: yghT, CDS: pitB			yes	
164	CDS: yghW				
165	5': ygiS, CDS: ygiT, CDS: ygiU				
166	CDS: ygiZ, 5': mdaB			yes	

167	CDS: ribB, CDS: yqiC, CDS: ygiL, CDS: yi21_5, CDS: yi22_5, CDS: yqiG, CDS: yqiH, CDS: yqil, CDS: glgS, CDS: yqiJ, 5': yqiK	fimbria	yes	up (down)
168	5': ygiP, 5': ttdA			
169	CDS: ygiJ, 5': ygiJ			
170	CDS: yhaH, CDS: yhaI		yes	up
171	5': tdcE, CDS: tdcD, CDS: tdcC, CDS: tdcB, CDS: tdcA, CDS: tdcR, CDS: yhaB, CDS: yhaC	tdcE: 2.75	yes	up
172	5': garP, 5': garD		yes	
173	CDS: agaB, CDS: agaC, CDS: agaD, CDS: agal, CDS: yraH, CDS: yral, 5': yraJ	fimbria	yes	up
174	5': yhbX		yes	
175	CDS: gltF, CDS: yhcA, 5': yhcD	gltF: 8.49	fimbria	yes up
176	5': nanR, 5': dcuD		yes	up
177	CDS: argR, 5': yhcN		yes	up
178	CDS: yhdU, CDS: envR, 5': acrE		yes	
179	CDS: yhdV			up
180	5': gspA, 5': gspC	gspE: 3.83, gspG: 16.97, gspM: 3.05, gspO: 4.20	pilin	yes up
181	5': chiA		yes	up
182	CDS: yhfL, 5': yhfM		yes	
183	CDS: feoA, 5': feoB	feoB: 4.26		
184	5': malT		yes	down
185	CDS: yhhZ, CDS: yrhA, CDS: insA_6, CDS: insB_6, CDS: yrhB	yhhZ: 2.56	IS	yes up
186	5': yhhK		yes	
187	CDS: yhhH, CDS: yhhI		yes	up
188	CDS: yhiJ, CDS: yhiK, CDS: yhiL, CDS: yhiM	yhiM: 17.51		yes up
189	CDS: yhiS, CDS: trs5_11, CDS: slp, CDS: yhiF, CDS: yhiD, CDS: hdeB, CDS: hdeA, CDS: hdeD, CDS: yhiE, CDS: yhiU, CDS: yhiV, CDS: yhiW, CDS: gadX, CDS: gadA, CDS: yhjA, CDS: treF, CDS: yhjB, 5': yhjC	slp: 22.96, yhiF: 12.46, hdeA: 48.4, hdeB: 154.83, hdeD: 4.8, yhiE: 11.08, yhiW: 32.41, gadX: 13.92, gadA: 56	IS	yes up
190	5': yhjQ, CDS: yhjR, 5': yhjS			up
191	CDS: yiaG, CDS: cspA, CDS: hokA, CDS: yi5A, CDS: t150		IS	yes up
192	CDS: yiaH, CDS: yiaA, CDS: yiaB			up
193	5': xylA, CDS: xylF, 5': xylG			up
194	CDS: yiaM, CDS: yiaN, 5': yiaO			
195	5': yiaT, CDS: yiaU, CDS: yiaV, CDS: yiaW		yes	up
196	5': yiaY		yes	
197	5': yibF, CDS: rhsA, CDS: yibA, CDS: yibJ, CDS: yibG		yes	up
198	CDS: yibD, CDS: tdh, CDS: kbl, CDS: htrL, CDS: rfaD, CDS: rfaF, CDS: rfaC, CDS: rfaL, CDS: rfaK, CDS: rfaZ, CDS: rfaY, CDS: rfaJ, CDS: rfaI, CDS: rfaB, CDS: rfaS, CDS: rfaP, CDS: rfaG, CDS: rfaQ	rfaI: 5.25, rfaJ: 3.97, rfaK: 4.52, rfaL: 2.00, rfaS: 3.50, rfaY: 2.00	o-antigen	yes up
199	5': yicJ, CDS: tRNA-Sec, CDS: yicK, CDS: yicL, CDS: nlpA, CDS: yicM, CDS: yicN, CDS: yicO, 5': ade		yes	up
200	5': yidK, 5': yidL			up
201	CDS: tnaL, 5': tnaA		yes	
202	5': yieL, CDS: yieC, CDS: bglB, CDS: bglF, CDS: bglG			up
203	5': atpI		yes	
204	5': aslA		yes	
205	CDS: yigF, CDS: yigG, CDS: rarD			up
206	CDS: yihF, CDS: yihG, 5': polA		yes	up
207	CDS: yihM, CDS: yihN, CDS: yshA, CDS: yihO, CDS: yihP, CDS:			up
208	CDS: yiiE, CDS: yiiF		yes	up
209	CDS: yiiG			
210	5': frvA			

211	CDS: yjiS, 5': yjiT							up
212	CDS: coaA, CDS: b3975, CDS: tRNA-Thr, CDS: tRNA-Tyr, CDS: tRNA-Gly, CDS: tRNA-Thr					yes		
213	CDS: arpA					yes		up
214	CDS: yjbD							
215	CDS: yjbE					yes		up
216	5': xylE					yes		
217	CDS: yjbl, 5': ubiC					yes		
218	5': zur, CDS: yjbl, CDS: yjbM, 5': yjbN					yes		
219	5': aphA					yes		down
220	5': yjcB, 5': yjcC							up
221	CDS: yjcF					yes		
222	5': yjcR, CDS: yjcS							
223	5': alsA, CDS: alsB, CDS: rpiR							up
224	5': phnA, 5': yjdA					yes		up
225	5': yjdE, CDS: adiY			yjdE: 6.13				up
226	5': dcuB, CDS: dcuR, CDS: dcuS, CDS: yjdl, CDS: yjdJ, CDS: yjdK, CDS: lysU, CDS: yjdL, CDS: cadA, CDS: cadB, CDS: cadC					yes		up
227	CDS: yjeJ					yes		up
228	5': yjeM							up
229	CDS: yjfl, CDS: yjfJ, CDS: yjfK, CDS: yjfl, 5': yjfM							
230	5': yjfZ, CDS: ytfA					yes		up
231	CDS: ytfI					yes		up
232	CDS: yjgL					yes		up
233	5': yjgM, CDS: yjgN					yes		up
234	5': idnO, CDS: idnD, 5': idnK							up
235	5'up: yi21_6						IS	
236	CDS: yjhB, CDS: yjhC, CDS: yjhD, CDS: yjhE, 5': yi91b						IS	up
237	5': yjhF, CDS: yjhG, CDS: yjhH, CDS: yjhl			yjhl: 24.07				up
238	CDS: yjhR, CDS: yjhS, CDS: yjhT, CDS: yjHA, CDS: fimB, CDS: fimE, CDS: fimA, CDS: fimI, CDS: fimC, 5': fimD			fimB: 12.39, fimI: 6.61	fimbria	yes		up
239	CDS: yjiC, 5': yjiD					yes		up
240	5': yjiR, CDS: yjiS, 5': yjiT					yes		
241	CDS: mcrC, CDS: mcrB, CDS: yjiW, CDS: hsdS					yes		up
242	5': yjiY, 5': tsr					yes		
243	5': yjiZ, CDS: yjiM, 5': yjiN							up
244	5': yjiP, CDS: yjiQ, 5': bglJ					yes		up
245	5': lasT					yes		

a) Locus where more than 10kbp are covered by H-NS are indicated by bold numbers.

b) CDS; whole coding sequence is covered by H-NS. 5'; H-NS binds to 5' terminus and the upstream sequence. 5'up; H-NS binds to the upstream region. tail to tail; H-NS binds to 3' intergenic region (locus 141). ND; no clearly associated gene (locus 81).

c) Derepression ratio of expression by *hns* inactivation (Hommais et al., 2001).

d) "yes" indicates loci where at least one significant RNAP binding signal is associated

e) De-repression (up) or repression (down) of expression in the *hns* mutant.