

Suppl. Table 3. Lysine acetylated proteins related to transcription in *E. coli* (GO:0006351 and GO:0006355). Transcription factors marked with an asterisk are transcriptional regulators of flagella biosynthesis and chemotaxis and the ones marked with a cross are transcriptional regulators of acid stress response. Red symbols are four transcriptional repressors and green symbols for transcriptional activators.

Gene name	Uniprot ID	Number acetylation sites	Acetylated lysine position in the protein
<i>agaR</i>	P0ACK2	1	93
<i>appY</i>	P05052	2	47,55
<i>arcA</i>	P0A9Q1	3	187,195,160
<i>arcB</i>	P0AEC3	1	93
<i>argR</i>	P0A6D0	3	15,19,6
<i>cheY</i>	P0AE67	1	126
<i>cpxR</i>	P0AE88	1	219
<i>crI</i>	P24251	2	15,88
<i>crp</i> ⁺	P0ACJ8	3	101,153,167
<i>csgD</i>	P52106	1	201
<i>cspC</i>	P0A9Y6	3	9,15,59
<i>cspE</i>	P0A972	1	9
<i>cysB</i>	P0A9F3	1	320
<i>dosP</i>	P76129	1	95
<i>ebgR</i>	P06846	1	319
<i>evgA</i>	P0ACZ4	1	159
<i>fis</i>	P0A6R3	2	25,32
<i>fliR</i>	P45544	1	104
<i>fur</i> [*]	P0A9A9	1	117
<i>glnB</i>	P0A9Z1	2	85,90
<i>greA</i>	P0A6W5	2	63,116
<i>gyrA</i>	P0AES4	10	239,253,276,282,308,465,473,516,573,671
<i>gyrB</i>	P0AES6	4	231,299,339,592
<i>Hns</i> ⁺	P0ACF8	5	6,57,120,128,136
<i>hupA</i>	P0ACF0	6	3,13,18,67,83,86
<i>hupB</i>	P0ACF4	5	3,9,18,67,86
<i>ihfA</i> [*]	P0A6X7	3	20,86,97
<i>ihfB</i> [*]	P0A6Y1	3	3,69,81
<i>kdgR</i>	P76268	1	170
<i>lrp</i>	P0ACJ0	4	10,25,36,129
<i>malY</i>	P23256	1	261
<i>mprA</i>	P0ACR9	1	97
<i>nadR</i>	P27278	1	47
<i>nagC</i>	P0AF20	1	63
<i>narL</i>	P0AF28	1	77
<i>nusA</i>	P0AFF6	2	117,243
<i>nusB</i>	P0A780	3	67,94,121
<i>nusG</i>	P0AFG0	2	106,121
<i>ompR</i> [*]	P0AA16	1	184
<i>pcnB</i>	P0ABF1	1	396
<i>pepA</i>	P68767	3	6,90,216
<i>rcsB</i> ⁺	P69407	2	125,154
<i>relE</i>	P0C077	1	13
<i>rho</i>	P0AG30	4	100,105,123,367
<i>rplD</i>	P60723	5	106,123,132,137,166
<i>rpoA</i>	P0A7Z4	5	95,246,291,297,304
<i>rpoB</i>	P0A8V2	19	115,191,236,279,639,844,890,900,909,914,954,988,991,1027,1065,1133,1140,1200,1242
<i>rpoC</i>	P0A8T7	15	13,39,50,66,74,87,570,603,649,850,959,983,996,1072,1132
<i>rpoE</i>	P0AGB6	1	16
<i>rpoZ</i>	P0A800	1	35
<i>rpsD</i>	P0A7V8	7	8,31,33,77,156,177,183
<i>rsd</i>	P0AFX4	2	17,79
<i>rtcR</i>	P38035	1	206
<i>seqA</i>	P0AFY8	1	60
<i>stpA</i>	P0ACG1	2	66,98
<i>wrbA</i>	P0A8G6	2	37,50
<i>ydjF</i>	P77721	2	80,158
<i>yebC</i>	P0A8A0	1	215
<i>yeeN</i>	P0A8A2	2	66,116
<i>ygbI</i>	P52598	1	188
<i>yhaJ</i>	P67660	1	62
<i>yhaV</i>	P64594	1	87
<i>yiaU</i>	P37682	1	7