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Use of lac fusions to measure in vivo regulation of expression of Escherichia coli proton-translocating ATPase (unc) genes

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#	Paper	IF	Citations
28	Use of lacZ fusions to measure in vivo expression of the first three genes of the Escherichia coli unc operon. <i>Journal of Bacteriology</i> , 1989 , 171, 3039-45	3.5	28
27	Positive control of colanic acid synthesis in Escherichia coli by rmpA and rmpB, two virulence-plasmid genes of Klebsiella pneumoniae. <i>Molecular Microbiology</i> , 1989 , 3, 1349-59	4.1	84
26	Independent and coupled translational initiation of atp genes in Escherichia coli: experiments using chromosomal and plasmid-borne lacZ fusions. <i>Molecular Microbiology</i> , 1989 , 3, 851-9	4.1	29
25	Post-transcriptional control in the polycistronic operon environment: studies of the atp operon of Escherichia coli. <i>Molecular Microbiology</i> , 1990 , 4, 1233-40	4.1	44
24	Characterization of mutations affecting the osmoregulated proU promoter of Escherichia coli and identification of 5' sequences required for high-level expression. <i>Journal of Bacteriology</i> , 1991 , 173, 801-9	3.5	42
23	Translational coupling varying in efficiency between different pairs of genes in the central region of the atp operon of Escherichia coli. <i>Molecular Microbiology</i> , 1991 , 5, 813-24	4.1	36
22	Identification and molecular analysis of glgS, a novel growth-phase-regulated and rpoS-dependent gene involved in glycogen synthesis in Escherichia coli. <i>Molecular Microbiology</i> , 1992 , 6, 1877-86	4.1	141
21	Regulation of the Escherichia coli uncH gene by mRNA secondary structure and translational coupling. <i>Molecular Microbiology</i> , 1992 , 6, 3559-66	4.1	14
20	Effects of deletions in the uncA-uncG intergenic regions on expression of uncG, the gene for the gamma subunit of the Escherichia coli F1Fo-ATPase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994 , 1183, 499-503	4.6	3
19	Dual mode of energy coupling by the oxyanion-translocating ArsB protein. <i>Journal of Bacteriology</i> , 1995 , 177, 385-9	3.5	122
18	The ars operon of Escherichia coli confers arsenical and antimonial resistance. <i>Journal of Bacteriology</i> , 1995 , 177, 981-6	3.5	283
17	Cloning and characterization of the Escherichia coli hemN gene encoding the oxygen-independent coproporphyrinogen III oxidase. <i>Journal of Bacteriology</i> , 1995 , 177, 3326-31	3.5	64
16	The effects of an atpE ribosome-binding site mutation on the stoichiometry of the c subunit in the F1F0 ATPase of Escherichia coli. <i>Archives of Biochemistry and Biophysics</i> , 1995 , 323, 423-8	4.1	18
15	Effects of the uncl gene on expression of uncB, the gene coding for the a subunit of the F1F0 ATPase of Escherichia coli. <i>FEBS Letters</i> , 1995 , 371, 127-31	3.8	11
14	Transcriptional regulation of the proton-translocating ATPase (atpIBEFHAGDC) operon of Escherichia coli: control by cell growth rate. <i>Journal of Bacteriology</i> , 1996 , 178, 5563-7	3.5	65
13	A nucleoprotein activation complex between the leucine-responsive regulatory protein and DNA upstream of the gltBDF operon in Escherichia coli. <i>Journal of Molecular Biology</i> , 1997 , 270, 152-68	6.5	42
12	pH homeostasis and ATP synthesis: studies of two processes that necessitate inward proton translocation in extremely alkaliphilic Bacillus species. <i>Extremophiles</i> , 1998 , 2, 217-22	3	52

11	Characterization of reconstituted Fo from wild-type Escherichia coli and identification of two other fluxes co-purifying with Fo. <i>Cell Biochemistry and Biophysics</i> , 2001 , 34, 305-20	3.2	8
10	Activation from a distance: roles of Lrp and integration host factor in transcriptional activation of gltBDF. <i>Journal of Bacteriology</i> , 2001 , 183, 3910-8	3.5	25
9	Over-expression of Escherichia coli F1F(o)-ATPase subunit a is inhibited by instability of the uncB gene transcript. <i>FEBS Letters</i> , 2003 , 547, 97-100	3.8	28
8	The stoichiometry of subunit c of Escherichia coli ATP synthase is independent of its rate of synthesis. <i>Biochemistry</i> , 2008 , 47, 6907-16	3.2	15
7	The extreme C terminus of the ABC protein DrrA contains unique motifs involved in function and assembly of the DrrAB complex. <i>Journal of Biological Chemistry</i> , 2010 , 285, 38324-36	5.4	12
6	The DrrAB efflux system of Streptomyces peucetius is a multidrug transporter of broad substrate specificity. <i>Journal of Biological Chemistry</i> , 2014 , 289, 12633-46	5.4	32
5	Role of Aromatic and Negatively Charged Residues of DrrB in Multisubstrate Specificity Conferred by the DrrAB System of Streptomyces peucetius. <i>Biochemistry</i> , 2017 , 56, 1921-1931	3.2	10
4	Conformational changes in a multidrug resistance ABC transporter DrrAB: Fluorescence-based approaches to study substrate binding. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 658, 31-45	4.1	5
3	Synthesis and assembly of the F0 proton channel from F0 genes cloned into bacteriophage lambda and integrated into the Escherichia coli chromosome.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 7285-7289	5.4	5
2	The roles of the α and β subunits in proton conduction through the Fo sector of the proton-translocating ATPase of Escherichia coli. <i>Journal of Biological Chemistry</i> , 1989 , 264, 2640-2644	5.4	12
1	Identification of an intragenic ribosome binding site that affects expression of the uncB gene of the Escherichia coli proton-translocating ATPase (unc) operon. <i>Journal of Bacteriology</i> , 1998 , 180, 3940-3951	3.5	10