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*Eco*RI fragment, and the other was an 1,154-bp *TaqI* fragment. The two inserts contained a common 349-bp *TaqI*-*Eco*RI fragment. *E. coli* strains containing the plasmid with the 1,150-bp insert produced a 27,000-molecular-weight polypeptide which was immunologically cross-reactive with P-27 purified from *Eubacterium* sp. strain VPI 12708. In

addition, preliminary nucleic acid sequence data analysis GAAA minutes kb 10 20 0 -2.9 -1.5 3 of P-27 sequence (5). Tog huous 3kilobase he entire coding re vilobases of upstream DNA and 329 bp downstream from the P-27 stop The genus Eubacterium has been classified, on the basis of 16S rRNA fingerprint analyses, with the clostridia in the subdivision of "gram-positive eubacteria with low G+C content" of the gram-positive group (40). Because of the absence of literature on gene structures in Eubacterium دروه

	Α	F	541 bp —		
	⊢— 383 bp	<del></del>	798 bp	-	FIG. 7. S1 nuclease mapping of 3' end of RNA. Total RNA from either cholic acid-induced or uninduced <i>Eubacterium</i> sp. strain VPI
	E L	E	Sm	Sp	
	Т		1132 bp insert	т	Compared State Compare State Compared State Comp
·					12708 was hybridized to a 798-bp EcoRI (E)-SphI (Sp) fragment
· · · · · ·			7164 275	6. <b>1</b> 7.1	containing 786 bp of the Eubacterium sequence plus 12 bp of the
					pUC19 multiple cloning site (A). The hybrid was digested with S1 nuclease (see Materials and Methods), and the product was run on
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					798- bp piece and a 383-bp <i>Eco</i> RI- <i>Eco</i> RI fragment (A). After elec-
					798- bp piece and a 383-bp <i>Eco</i> RI- <i>Eco</i> RI fragment (A). After elec-
	-				798- bp piece and a 383-bp <i>Eco</i> RI- <i>Eco</i> RI fragment (A). After elec- trophoresis, the protected species were denatured in dilute NaOH.
					798- bp piece and a 383-bp <i>Eco</i> RI- <i>Eco</i> RI fragment (A). After elec- trophoresis, the protected species were denatured in dilute NaOH. electroblotted onto a Nvlon membrane. and hvbridized to 5'-end-
					798- bp piece and a 383-bp <i>Eco</i> RI- <i>Eco</i> RI fragment (A). After elec- trophoresis, the protected species were denatured in dilute NaOH. electroblotted onto a Nylon membrane. and hybridized to 5'-end-
	-				798- bp piece and a 383-bp <i>Eco</i> RI- <i>Eco</i> RI fragment (A). After elec- trophoresis, the protected species were denatured in dilute NaOH. electroblotted onto a Nvlon membrane. and hvbridized to 5'-end- labeled ([ <sup>32</sup> P]T4 kinase reaction) svnthetic oligonucleotides (dark
					798- bp_piece and a 383-bp <i>Eco</i> RI- <i>Eco</i> RI fragment (A). After elec- trophoresis, the protected species were denatured in dilute NaOH. electroblotted onto a Nvlon membrane. and hvbridized to 5'-end- labeled ([ <sup>32</sup> P]T4 kinase reaction) svnthetic oligonucleotides (dark
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