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	3'-end of eucaryotic 18 S RNAs is a strikingly conserved region. The 3'-end of the 16 S rRNA molecule: as pointed out by Shine-Dalgarno model, is involved in a complex with an mRNA that is indispensable for effective translation, the
	interaction do occurring via the sequence CCUCC (27), All
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	to thank N.Batchikova and I.Bespalova for expert technikal
	assistance, Authors are also grateful to Dr. T.Petes for
	providing recombinant clones with yeast rDNA fragments, and
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Nucleic Acids Research 17. Glynn, I.M. and Chappel, J.B. (1964) Biochem. J. 90. 18. Ferguson, J. and Davis, R.W. (1978) J. Mol. Biol. 123, 417-430. 19. deJonge, P., Klootwijk, J. and Planta, R.J. (1977) Europ. J.Biochem. 72, 361-369. 20. Donis-Keller, H., Maxam, A.M. and Gilbert, W. (1977) Nucleic Acids Res., 4, 2527-2538. Dudov. K.P. Dabeya, M.D. and Hadiiolov. A.A. (1976) 21 Dudov K P Daheva Anal. Biochem. 76, 250-258. 22. Carbon, P., Ehresmann, C., Ehresmann, B. and Ebel, J.-P. (1978) FEBS Lett. 94, 152-156. 23. Brosius, J., Palmer, M.L., Kennelv, P.J. and Noller, H.F. 1_-----24. Eperon I. personal communication. 25. Schwarz. Zs. and Kössel. H. (1980) Nature. 283. 739-742 26. Samols, D.R., Hagenbuchle, O. and Gage L.P. (1979)