Comments: Mutagen was nitrosoguanidine; killing was 77%. Cold-sensitive mutants were isolated following ^{3}H-uridine tritium suicide. crib (PJ31502) was shown to be conditionally defective in ribosome biosynthesis in that at 10°C 17S rRNA and hence 37S ribosomal subunits do not accumulate to any great extent. At 10°C crib (PJ31502) grows 28 times slower than at 25°C, whereas the factor for the wild type is about 5.1. At 25°C the mutant's growth rate is 90% that of the wild type. According to complementation tests, the mutation involved appears to be closely linked to, but not allelic with the mutation in the crib-1 strain which exhibits similar phenotypes (Schlitt and Russell, 1974 J. Bact. 120: 666-671).