

TABLE 1. Comparison of growth rates and rRNA synthesis rates in two *FOB1* deletion strains in YPD medium

Strain	Doubling time (h)	Relative content of RNA ^a	rRNA synthesis rate ^b
NOY1051 ^{143C}	1.6	1.0	1.0
NOY886 ^{42C}	1.6–1.7	0.95 ± 0.11	1.05 ± 0.15

^a Total RNA content was determined as described in Materials and Methods. The values normalized for cell density were compared between the two strains. The average ratio from five independent experiments was 0.95 ± 0.11. Since the number of cells per cell density was found to be approximately the same for the two strains, the relative values shown in this table should also be applicable to comparison per cell with an average size.

^b The results of primer extension indicated that the amounts of the 5' end of 35S rRNA, which is unstable and reflects in all likelihood the rate of rRNA transcription, gave the average value of 1.1 ± 0.1 for the ratio of NOY886^{42C} to NOY1051^{143C} based on an equal amount of total RNA (see Fig. 1C and its legend). Since the ratio of the total amount of RNA (per cell density) in NOY886^{42C} to that in NOY1051^{143C} is 0.95 ± 0.11, the ratio of the rate of rRNA synthesis normalized to an equal amount of cell density is 1.05(1.1 × 0.95) ± 0.15.