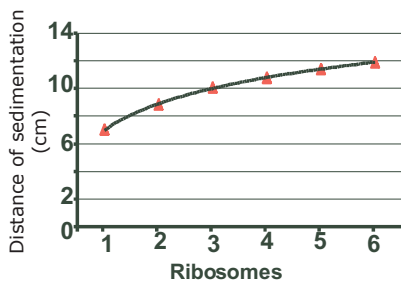


Supplemental Table 4

Average number of ribosomes in each fraction

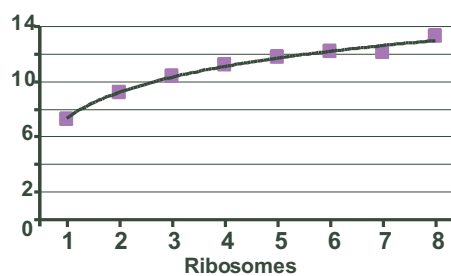
Fraction	Exp. 1	Exp. 2	Exp. 3
6	1	1	1
7	1	1	1
8	2	2	2
9	3	3	3
10	4.5	4.5	5
11	7 (5.7-8.8)	7 (6-8)	7 (5.8-8.5)
12	11.5 (8.8-13.6)	10 (8.1-12.7)	10.5 (8.5-12.9)
13	16 (13.6-17.6)	15.5 (12.7-18.7)	16.5 (12.9-19.9)
14	24 (17.6-30.4)	23.5 (18.7-28.4)	24 (19.9-28.7)

The number of ribosomes in fractions 6 to 11 was assigned according to the OD 254 peaks in each fraction. Numbers in parentheses indicate the range of ribosomes in this fraction. For fractions 12 to 14, the numbers were estimated by plotting the distance from the center of centrifugation of the distinct peaks (up to 8 ribosomes) and extrapolating from the derived logarithmic curve fit. The plots for the three experiments are presented below. Symbols represent the measured distances and the black line indicates the logarithmic curve fit. Notes that in all experiments $R^2 \geq 0.985$.



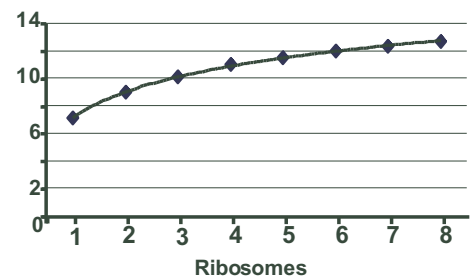
$$Y = 2.71 \ln(X) + 6.99$$

$$R^2 = 0.9998$$



$$Y = 2.71 \ln(X) + 7.34$$

$$R^2 = 0.985$$



$$Y = 2.7 \ln(X) + 7.14$$

$$R^2 = 0.9992$$