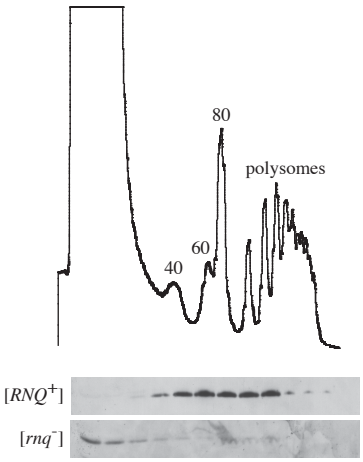

Supplementary Figure 2: Wild-type [*RNQ*$^+$] and [*rnq*$^-$] cells were resuspended in CSB buffer and glass beads and lysed by vortexing at 4˚C. Precleared lysates (~80 OD_{260}) were layered onto 4 ml 10-50% sucrose gradients and ultracentrifuged at 55,000 rpm (SW55Ti) for 80 min. RNA was monitored by OD_{260} and gradients were separated by a polysome fractionation machine, and 400μl fractions were collected. 50μl of each fraction were resolved by SDS-PAGE and immunoblotting with Rnq1 specific antibodies.
Top: OD_{260} profile of wild-type [*RNQ*$^+$] strain. 40 (40S ribosomal subunits), 60 (60S ribosomal subunits), 80, (80S ribosomes). Bottom: Rnq1 immunoblots of gradient fractions corresponding to migration of ribosomes through the gradient described above.