Supplemental Figure S7. Non-denaturing PAGE analysis of ΔPK1 and PKM2 refolding. The ΔPK1 and PKM2 RNAs (0.08 µM, 800 µL) were incubated for 5 minutes at 90°C in a MgCl2-free buffer (50 mM Na-HEPES, pH 8.0) and then cooled on ice for 10 minutes. Magnesium chloride (0.8 µL, 1 M MgCl2) was added and the samples (0.08 µM RNA, 50 mM Na-HEPES, pH 8.0, 1 mM MgCl2) were incubated for 20 minutes at room temperature. The refolded RNAs were spin-concentrated using Amicon-Ultra (0.5 mL, 10 kDa MWCO) Centrifugal Filters to ~2.4 µM prior to their analysis with 6% non-denaturing PAGE (1 mM MgCl2). Percent monomer, dimer, and multimer were estimated using ImageJ2 (Rueden et al. 2017). The error in these measurements is estimated at ~5%.

Supplemental Reference:
Rueden CT, Schindelin J, Hiner MC, DeZonia BE, Walter AE, Arena ET, Eliceiri KW. 2017. ImageJ2: ImageJ for the next generation of scientific image data. BMC Bioinformatics 18: 529.