Supplemental Figure 1. Identification of active aptamer variants from a doped D01 pool. (A) In vivo screening of active D01 variants. E. coli XL1-blue cells harboring the reporter plasmid (pOKlα2) and RNA-expression plasmid were streaked onto an LB plate containing ampicillin, kanamycin, IPTG, and X-gal. Upper and lower panels show the cells expressing the RNA variant before SELEX and after two rounds of SELEX, respectively. (B) Affinities of the RNA pools to cl protein. The affinities were analyzed by a filter-retardation assay. Ten nano-molar $^{32}$P-labeled RNA and 1 µM cl protein were mixed and incubated at 37ºC, followed by passing through nitrocellulose membrane. The amount of RNA retained on the membrane was evaluated as the RNA binding to the protein. Two independent experiments were performed in triplicate, and the mean values are shown. Error bars indicate standard deviation.

Ohuchi & Suess, Supplemental Figure 1