Figure 1: Supplemental: The full-length hammerhead construct used for structural determination. Secondary structure of the Schistosoma hammerhead ribozyme showing the trans-cleaving construct design. The conserved nucleotides are numbered using the standard convention and are shown on a gray background. The large arrow points to the scissile bond. Base-pair switches from the wild-type sequence, introduced to aid crystallization, are boxed, and the base substitutions we employed are indicated adjacent to the boxes. Two 5-bromo-uridine substitutions, used for MAD phasing a single crystal, are indicated by asterisks. The lower case "m" signifies a 2'-O-methyl modification at C17 to prevent cleavage. The lower case "d" designates a deoxy nucleotide, used at the 3' end of the substrate, to increase synthetic yields.