

**Table 2.** Sequence of the R8-11 ribozyme and of clones obtained at the start of continuous evolution (transfer 0) and after transfers 15, 50, 80, and 100

<b>R8-11</b>	AGA-GAAGGAAACUCCCCAAUAGUGAUUUU-UGUGGU-UUU--UUGCGCAGUCUCAAUCCUAAGGC-AAACGCUAUGGAUCA AUGGGUAGGA (CCA) UCCGUUCCCUAGCA-GAC-UGCGCU-CC----
0-1	.....G..... (N35) .....A.U.....
0-2	.....-C.....U..... (N35) .....U.....U.C.....
0-3	.....G.....A.....-..... (N35) .....C.....U.....
0-4	.....A.....G..... (N35) .....C.....UA..C...
0-5	.....A.G..... (N35) .....C.....U.....
0-6	.....A..A..A..... (N35) .....U.U..C...
0-7	.....A.....C..... (N35) .....C.....U.....
0-8	G.....A.....C.....U..... (N35) .....U..U..U.....
0-9	.....C..... (N35) .....U..C.....U.....
0-10	.....-.....U..... (N35) .....U.....U.....
0-11	.....C.....C..... (N35) .....U.....U.....
0-12	.....U-..... (N35) .....C.A.....C...
15-1	.....A..U.....-.....--U.....A..... (N35) .....U.U..C...
15-2	.....A..U.....AU..... (N35) .....U.U..C...
15-3	.....A..U.....AA..GG..... (N35) A.....-G.....A.....C...
15-4	.....A..U..... (N35) A.....U..C..U.U..C...
15-5	.....A..U.....AUA..... (N35) .....A.U.U..C...
15-6*	.....A..U..... (N35) .....A.U.U..C...
15-7	.....A..U.....AU.....UGA.....U-..... (N35) A.....U.U.....
15-8*	.....A..U.....UGA..... (N35) A.....U.U..C...
15-9	.....A..U.....C.....A..... (N35) .....U..U.U..C...
15-10	.....A..U..... (N35) .....A.U.U..C...
15-11	.....A..U.....C..... (N35) .....AU.....C...
15-12	.....A..U.....C.....A.....U..... (N35) .....U.U..C...
15-13	.....A..U.....U..... (N35) .....A..G..U.U..C...
15-14	.....A..U.....U.....UGA..... (N35) A.....U.U..C...
15-15	.....A..U.....U.....C.....A..... (N35) A.....U..C..U.U..C...
15-16	.....A..U..... (N35) .....U.U..C...
15-17	.....A..U.....C.....U..... (N35) .....A.U.U..C...
15-18	.....A..U.....-.....U.A..U..... (N35) A.....U..C..U.U..C...
15-19	.....A..U.....-.....--U.....A..... (N35) .....U.U..C...
15-20	.....A..U.....A..... (N35) .....U..C..U.U..C...
15-21	.....A..U.....AU.....U..... (N35) .....U.U..C...

