

Table S1. ^1H Chemical shift assignments of exchangeable protons of r(UGGAGGU) RNA.

Proton	Assigned ^1H chemical shift
G2 NH1	11.35 ppm
G3 NH1	10.98 ppm
G5 NH1	11.17 ppm
G6 NH1	11.29 ppm
G2 NH2	9.98 ppm/ 8.39 ppm
G3 NH2	8.96 ppm / 6.18 ppm
A4 NH2	8.06 ppm/ 6.15 ppm
G5 NH2	9.14 ppm/ 6.16 ppm
G6 NH2	9.43 ppm/ 5.32 ppm
G2 H8	7.97 ppm
G3 H8	7.60 ppm
A4 H8	7.45 ppm
G5 H8	7.76 ppm
G6 H8	6.99 ppm
A4 H2	8.20 ppm
G2 H1'	5.35 ppm
G3 H1'	5.66 ppm
A4 H1'	5.47 pm
G5 H1'	5.67 ppm