

The diagram illustrates the complex secondary structure of the 16S rRNA of *Escherichia coli*. It features several distinct structural elements: a large 4S domain on the left, a central 3S domain, and a large 23S domain on the right. The structure is composed of numerous stem-loops (helices) and loops, with bases color-coded to match the legend: Adenine (A) in blue, Guanine (G) in green, Cytosine (C) in red, and Uracil (U) in orange. The 3' end of the molecule is labeled with a '3'' and a '5''.



	-3'	exp	
5' - uauguuugguggggaaggagc <u>c</u> cuugaagccau <u>c</u> uaagaauccuuauugguuaucauuggauuccaa <u>u</u> ggcaauuuauuuguggcu <u>g</u> auuccaguaacaaaaucau			
. . . ((((((...((((...((((...(((((((...(((((...(((...)))...))))))..))))))....))))))..))))))..))))))..))))))..))))))....	reads	mm	sample
.....ggcaauuuauuugCggcu.....	4	1	s14
.....ggcaCuauuuauuuggccu.....	1	1	s14
.....Cggcaauuuauuuguggcu.....	4	1	s36
.....ggcaCuauuuauuuggccu.....	86	1	s36
.....ggcaauuuCuuguggcu.....	1	1	s36
.....ggcaauuuauuugCggcu.....	76	1	s36
.....ggcaCuauuuauuuguggcu.....	1	1	s39
.....ggcaauuuauuugCggcu.....	1	1	s39
.....uggcaCuauuuauuuggccu.....	1	1	s07
.....ggcaUuuuuauuuggccu.....	1	1	s07
.....ggcaauuuauuugCggcu.....	54	1	s07
.....ggcaCuauuuauuuggccu.....	39	1	s07
.....uggcaCuauuuauuuguggcu.....	1	1	s47
.....uggcaauuuauuugCggcu.....	2	1	s47
.....Cggcaauuuauuuguggcu.....	10	1	s47
.....ggcaGuauuuauuuggccu.....	1	1	s47
.....ggcaauuuauuuguggcu.....	1	0	s47
.....ggcaauuuauuugGggcu.....	1	1	s47
.....ggcaauuuauuugAggcu.....	4	1	s47
.....ggcaUuuuuauuuguggcu.....	1	1	s47
.....ggcaCuauuuauuuggccu.....	297	1	s47
.....ggcaauuuauuugCggcu.....	314	1	s47
. auguuugguggggaaggag.	3	0	s23
.....ggcaCuauuuauuuguggcu.....	7	1	s48
.....ggcaauuuauuugCggcu.....	8	1	s48
.....ggcaCuauuuauuuguggcu.....	3	1	s75
.....ggcaauuuauuugCggcu.....	2	1	s75

Star

Mature

u a u g u u g g g u g g g g a a g g a a g c c u u g a u a g c c a u c u u a a g a a u c c u u a u g g g u u a u c a u u g g a u u c c a a u g g c a a u a u u a u u g g g c u g a u u c c a g u a a c a a a u c a u

.....ggcaauuuauugCggcu.....	3	1	s61
.....ggcaCuauuuauugggcu.....	1	1	s86
.....Agguggggaaggaagccuug.....	3	1	s72
.....ggcaCuauuuauugggcu.....	5	1	s87
.....ggcaauuuauugCggcu.....	2	1	s87