

The diagram illustrates the secondary structure of the 16S rRNA gene from *Escherichia coli*. The RNA sequence is shown as a series of nucleotides (A, U, G, C) connected by lines representing base pairs. The structure features several stem-loops and a large terminal loop. The 5' and 3' ends are labeled. A specific region, corresponding to the 16S rRNA gene, is highlighted in red.



5'-	uagagccaagaau	gaccugc	ccacauuugcuggccggaagccauaugcuuuggauuggcuccucggucgguucguuccuggcucuaau	-3'	exp	
	((((((((.(((((((.(.(((.....)).((((((.((((.....)))))..)))))).))))))..	reads	mm		sample	
uagagccaagaau	gaccugc.....	2	0		L03	
uagagccaagaau	gaccugc.....	565	0		L03	
uagagccaagaau	gaccugcc.....	15	0		L03	
.agagccaagaau	gaccugc.....	29	0		L03	
.....caagaau	gaccugccacauu.....	1	0		L03	
.....u	ccggucguuccuggcuc.....	2	0		L03	
.....u	ccggucguuccuggcucua.....	2	0		L03	
.....u	ccggucguuccuggcucuaau.....	8	0		L03	
.....c	cgguucguuccuggcuc.....	1	0		L03	
.....c	cgguucguuccuggcucua.....	2	0		L03	
.....c	cgguucguuccuggcucuaau.....	2	0		L03	
.....c	cgguucguuccuggcucuaau.....	83	0		L03	
.....c	cgguucguuccuggcucuaau.....	12	0		L03	
uagagccaagaau	gaccugc.....	358	0		Z03	
uagagccaagaau	gaccugcc.....	12	0		Z03	
uagagccaagaau	gaccugccc.....	1	0		Z03	
.agagccaagaau	gaccugc.....	13	0		Z03	
.agagccaagaau	gaccugccc.....	1	0		Z03	
.agagccaagaau	gaccugccca.....	1	0		Z03	
.....caagaau	gaccugccaca.....	1	0		Z03	
.....u	ccggucguuccuggcuc.....	1	0		Z03	
.....u	ccggucguuccuggcucua.....	2	0		Z03	
.....u	ccggucguuccuggcucuaau.....	9	0		Z03	
.....c	cgguucguuccuggcuc.....	1	0		Z03	
.....c	cgguucguuccuggcucuaau.....	57	0		Z03	
.....c	cgguucguuccuggcucuaau.....	6	0		Z03	
uagagccaagaau	gaccu.....	2	0		L02	
uagagccaagaau	gaccugc.....	1	0		L02	
uagagccaagaau	gaccugc.....	412	0		L02	
uagagccaagaau	gaccugcc.....	12	0		L02	
.agagccaagaau	gaccugc.....	32	0		L02	
.agagccaagaau	gaccugcc.....	1	0		L02	
.....u	ccggucguuccuggcucua.....	1	0		L02	

uagagccaagaauaccugc	ccacauuugcuggccggaaagccauaugcuuuggauuggcuccucggucgguuccuggcucuaau			
.....	uccggucguuccuggcucuaau	10	0	L02
.....	ccggucguuccuggcucuaau	116	0	L02
.....	cggucguuccuggcucua..	2	0	L02
.....	cggucguuccuggcucuaau	29	0	L02
uagagccaagaauaccug.....		2	0	Z01
uagagccaagaauaccugc.....		574	0	Z01
uagagccaagaauaccugcc.....		31	0	Z01
.agagccaagaauaccugc.....		54	0	Z01
.agagccaagaauaccugcc.....		6	0	Z01
.agagccaagaauaccugccc.....		1	0	Z01
.....	uggauuggcuccucgguc.....	1	0	Z01
.....	uccggucguuccuggcucu..	1	0	Z01
.....	uccggucguuccuggcucua..	2	0	Z01
.....	uccggucguuccuggcucuaau	6	0	Z01
.....	ccggucguuccuggcucu..	1	0	Z01
.....	ccggucguuccuggcucuaau	102	0	Z01
.....	cggucguuccuggcucuaau	15	0	Z01
uagagccaagaauaccug.....		2	0	Z02
uagagccaagaauaccugc.....		525	0	Z02
uagagccaagaauaccugcc.....		48	0	Z02
.agagccaagaauaccugc.....		30	0	Z02
.agagccaagaauaccugcc.....		8	0	Z02
.agagccaagaauaccugccc.....		1	0	Z02
.agagccaagaauaccugccca.....		1	0	Z02
.....	caagaauaccugcccacauuugcuggcc.....	3	0	Z02
.....	uggauuggcuccucgguc.....	1	0	Z02
.....	uggauuggcuccucgguc.....	5	0	Z02
.....	cucggucggucguuccuggcucu..	1	0	Z02
.....	gucggucguuccuggcucu..	1	0	Z02
.....	gucggucguuccuggcucua..	1	0	Z02
.....	uccggucguuccuggcucua..	1	0	Z02
.....	uccggucguuccuggcucuaau	8	0	Z02
.....	ccggucguuccuggcucuaau	63	0	Z02
.....	cggucguuccuggcucuaau	8	0	Z02
uagagccaagaauaccugc.....		25	0	L01
.....	uccggucguuccuggcucuaau	1	0	L01
.....	ccggucguuccuggcucuaau	4	0	L01