

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, C, G) connected by lines representing base pairs. The 5' and 3' ends are labeled. The structure is highly complex, with many base pairs highlighted in red, indicating specific regions of interest or mutations. The overall fold is characteristic of a small ribosomal subunit RNA.



5'	auucaaaauagauagugacagggguaaa	ggcugugaacuaucuaacugaaa	-3'	exp	
	.(((((((.(((((((.(((((((.)))))).)))))).))))).))))).	reads	mm		sample
	auucaaaauagauagugacag.....	3	0		seq
	.....Uguuaaaaggcugugaacuaucuaacugaaa.	2	1		seq
	.....aaaggcugugaacuaucuaacugaaa.	1	0		seq
	.....aggcugugaacuaucuaacugaaa.	1	0		seq
	.....Uggcugugaacuaucuaacugaaa.	1	1		seq
	.....Uggcugugaacuaucuaacugaaa	3	1		seq
	.....ggcugugaacuaucuaacugaaCa.	1	1		seq
	.....ggcugugaacuaucuaacugaaa.	2	0		seq
	.....Agcugugaacuaucuaacugaaa.	13	1		seq
	.....ggcugugGacuaucuaacugaaa	8	1		seq
	.....Agcugugaacuaucuaacugaaa	7	1		seq
	.....ggcugugaacuaucCacugaaa	1	1		seq
	.....ggcugugaacuaucuaacugaaa	20	0		seq
	.....Ugcugugaacuaucuaacugaaa	1	1		seq
	.....gcugugGacuaucuaacugaa.	1	1		seq
	.....Ucugugaacuaucuaacugaaa.	2	1		seq
	.....gcugugaacuaucuaacugaaa.	16	0		seq
	.....gcugugaacuaucCacugaaa.	1	1		seq
	.....Acugugaacuaucuaacugaaa.	5	1		seq
	.....Acugugaacuaucuaacugaaa	11	1		seq
	.....gcugugaacuaucuaacugaaa	17	0		seq
	.....Ucugugaacuaucuaacugaaa	3	1		seq
	.....gcugugGacuaucuaacugaaa	12	1		seq
	.....gcugugaacCaucuaacugaaa	1	1		seq
	.....gcugugaacuaucuaacuAgaau	1	1		seq
	.....cugugaacuaucuaacugaa.	2	0		seq
	.....cugugaacuaucuaacugaaa.	4	0		seq
	.....Augugaacuaucuaacugaaa.	2	1		seq
	.....cugugaacuaucGcuugaaa	1	1		seq
	.....cugugGacuaucuaacugaaa	9	1		seq
	.....cugugaGcuaucaacugaaa	1	1		seq
	.....cugugaacuaucuaacugaaa	4	0		seq
	.....ugugaacuaucuaacugaa.	1	0		seq
	.....ugugaacuaucuaacugaaa.	13	0		seq
	.....ugugaacuaucuaCuGa.	1	1		seq

auucaaaauagauagugacaggguaaaaggcugugaacuaucuaacuugaaa			
.....ugCgaacuaucuaacuugaaa.	2	1	seq
.....ugugGacuaucuaacuugaaa	24	1	seq
.....ugugaacuaucuaacuugaaaC	1	1	seq
.....ugugaacuaucuaacuugaaa	13	0	seq
.....ugugaaAuaucuaacuugaaa	1	1	seq
.....ugugaacuaucGacuugaaa	1	1	seq
.....uAugaacuaucuaacuugaaa	1	1	seq
.....gugGacuaucuaacuugaa..	2	1	seq
.....gugaacuaucuaacuugaa..	3	0	seq
.....gugaacuaucuaacuugaaa.	3	0	seq
.....gugGacuaucuaacuugaaa	24	1	seq
.....gugaacuaucuaacuugaaa	8	0	seq
.....Augaacuaucuaacuugaaa	2	1	seq
.....gugaacuaucuaacuCGaaa	1	1	seq
.....ugGacuaucuaacuugaaa	1	1	seq
.....gGacuaucuaacuugaaa	3	1	seq
.....gaacuaucuaacuugaaa	1	0	seq