

The diagram illustrates the primary structure of a tRNA molecule, showing the cloverleaf secondary structure and the corresponding nucleotide sequence. The sequence is written in the 5' to 3' direction. The cloverleaf structure is formed by base pairing between complementary bases (A with U, G with C). The sequence is: 5'-G-C-C-A-3' (acceptor stem), 3'-U-U-A-C-5' (TΨC arm), 3'-U-G-C-A-A-G-A-C-5' (D arm), 3'-G-A-C-C-C-U-U-U-5' (anticodon arm), and 3'-U-U-A-C-5' (TΨC arm). The anticodon sequence is 5'-U-U-U-3'.



5'	caaaaugacaaacauugcuaggcgggaa <u>ugccaacguucgucguggga</u> aaaaccacaaccuuacauacuuiuuccagacagaacguc <u>aucau</u> ucccgccuagcaauguuug	-3'	exp	
	.(((((((((((((((((((((.(((((((.(((((((((.)))))))).)))))))).)))))))).)))))))))	reads	mm	sample
	.uucccagacagaacgucGucauu.	1	1	s10
	.uucccagacagaacgucGucauu.	4	1	s17
	.uucccagacagaacgucGucauu.	2	1	s06
	.uuuucccagacagaacgu.	1	0	s07
	.uuucccagacagaacgucGuca.	2	1	s13
	.uucccagacagaacgucGucau.	1	1	s13
	.uucccagacagaacgucGucauu.	2	1	s13
	.uucccagacagaacgucGuca.	1	1	s19
	.uucccagacagaacgucGu.	1	1	s18
	.uucccagacagaacgucGucauu.	1	1	s18
	.uucccagacagaacguc <u>auc</u> a.	1	0	s05
	.uucccagacagaacgucGuca.	1	1	s16