

Diagram illustrating a DNA double helix structure. The top strand (coding strand) is labeled 5' to 3' and contains the sequence: U G A A C U C A U C G C U U U U G U C A G A U G. The bottom strand (template strand) is labeled 3' to 5' and contains the sequence: A C U U G A G U A G C G A A A C A G U C U G C U U. A red box highlights a mutation in the top strand where the sequence 'A A C' is replaced by 'U C A'.



5'	aggggcgggguuuugggaaa <u>ugaacucaucgcuuuugucagaugaagucgucugacaaaagcgagaguucauuuuccagaauc</u> ccgaaccuuuuaacucucucaac	-3'	exp
	(((((.....)))))).....	reads	mm
	.....ugaacucaucgcuuuugAc.....	1	1 seq
	.....ugaacucaucgcuuuuguc.....	1	0 seq
	.....ugGacucaucgcuuuugucaga.....	2	1 seq