

Source: [\[KBhBIO101NucleicAcidsDNARNA\]](#)

## 1 | Sense and Antisense DNA/RNA

Although DNA is usually complementary and RNA usually single-stranded, they both have named complementary pairs that perform different function. Here's a table to help decode the vocab and find the purpose of each thing:

Type	Identifier	Purpose
DNA 3'...5'	DNA Antisense/Noncoding/Template Strand	Used as a template for transcription
DNA 5'...3'	DNA Sense/Coding/Nontemplate Strand	The complement to the template strand + what is being used (bar urisil) in RNA form to perform protein synthesis
RNA 3'...5'	mRNA Antisense/-ss Strand	Pretty useless (unless you are trying to avoid detection) RNA strand that serve only as the template for the RNA that codes for a protein
RNA 5'...3'	mRNA Sense/+ss Strand	RNA transcribed from the template antisense strand that codes for a protein