

Feedback — Week 2 Quiz

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You submitted this quiz on **Sat 19 Sep 2015 9:34 AM PDT**. You got a score of **10.00** out of **10.00**.

Question 1

True or False: Deamination is more likely to occur when DNA is double-stranded than when it is single-stranded.

Your Answer	Score	Explanation
<input type="radio"/> True		
<input checked="" type="radio"/> False	2.00	
Total	2.00 / 2.00	

Question 2

Compute the Hamming distance between

TGACCCGTTATGCTCGAGTTCGGTCAGAGCGTCATTGCGAGTAGTCGTTTGCTTTCTCAAACCTCC
and

GAGCGATTAAGCGTGACAGCCCCAGGGAACCCACAAAACGTGATCGCAGTCCATCCGATCATACA.

You entered:

Your Answer	Score	Explanation
50	2.00	
Total	2.00 / 2.00	

Question 3

Identify the value of i for which $Skew_i(CATTCCAGTACTTCATGATGGCGTGAAGA)$ attains a maximum value.

You entered:

Your Answer		Score	Explanation
28	✓	2.00	
Total		2.00 / 2.00	

Question 4

Compute $Count_1(TACGCATTACAAAGCACA, AA)$.

You entered:

Your Answer		Score	Explanation
13	✓	2.00	
Total		2.00 / 2.00	

Question 5

The d -neighborhood of the k -mer *Pattern* is the collection of all k -mers that are at most Hamming distance d from *Pattern*.

How many 4-mers are in the 3-neighborhood of Pattern = ACGT?

Note that the d -neighborhood of *Pattern* includes *Pattern*.

You entered:

175

Your Answer		Score	Explanation
175	✓	2.00	
Total		2.00 / 2.00	