

**UNIVERSITY OF TORONTO
NATIONAL BIOLOGY COMPETITION
2019**

ANSWER KEY

1	A,D
2	B
3	E
4	C
5	C
6	B
7	D
8	A
9	deleted
10	C
11	B
12	A
13	D
14	D
15	E
16	B
17	C
18	A
19	C
20	D
21	E
22	B
23	C
24	C
25	D

26	E
27	E
28	D
29	A
30	D
31	E
32	E
33	C
34	B
35	E
36	B
37	A
38	E
39	D
40	C
41	A
42	B
43	A
44	E
45	C
46	B
47	D
48	E
49	B
50	A

Forty-nine questions were graded. Question 1: The wording of this question was ambiguous. It would have been better stated as "Which anticodon sequence would bind to RNA transcribed from the DNA?". However, the answer would be the same regardless of this ambiguity. There was also a typo in response D, and, as printed, responses A and D are the same, so both A and D are accepted as correct responses. (Response D should have been labelled: 5' - GAU - 3')

Question 9: This question was deleted, as the response rate was very low (for students and teachers). The use of the word "recessive" was likely confusing, implying that it is an X-linked trait, not a Y-linked trait, as Y-linked traits are not classified as dominant or recessive.