

①

Coding DNA	T	G	T	C	A	T	G	A	A	A	T	G	A	T	C	T	C	T	A	C	T	C	G	T	T	A	C	A	T	C	T	C	C	C	T	T	A	T	A	A	A	A	G	A	G		
Replication																																															
mRNA																																															
Template DNA	A	C	A	G	T	A	C	T	T	T	A	C	T	A	G	A	G	A	T	G	A	G	C	A	A	T	G	T	A	G	A	G	G	G	A	A	T	A	T	T	T	T	C	T	C		

②

Coding DNA	A	C	C	C	A	C	A	T	C	T	C	G	A	T	A	A	G	T	G	C	G	T	C	C	G	A	A	T	G	T	C	G	C	G	A	G	A	C	C	A	T	G	G	A	G	
Replication																																														
mRNA																																														
Template DNA	T	G	G	G	T	G	T	A	G	A	G	C	T	A	T	T	C	A	C	G	C	A	G	G	C	T	T	A	C	A	G	C	G	C	T	C	T	G	G	T	A	C	C	T	C	

③

Coding DNA	C	A	T	G	A	G	C	T	T	C	C	C	A	T	A	A	T	G	A	C	G	C	G	G	G	C	G	C	C	C	C	C	A	G	A	G	G	A	T	A	T	C	A	A	C
Replication																																													
mRNA																																													
Template DNA	G	T	A	C	T	C	G	A	A	G	G	G	T	A	T	T	A	C	T	G	C	G	C	C	C	G	C	G	G	G	G	G	T	C	T	C	C	T	A	T	A	G	T	T	G

④

Coding DNA	A	T	G	C	G	T	T	C	T	T	G	G	C	A	T	A	T	C	A	C	T	G	A	A	T	G	G	A	A	A	A	A	T	A	T	A	T	T	T	G	A	A	A	T	A		
Replication																																															
mRNA																																															
Template DNA	T	A	C	G	C	A	A	G	A	A	C	C	G	T	A	T	A	G	T	G	A	C	T	T	A	C	C	T	T	T	T	T	A	T	A	T	A	A	A	C	T	T	T	A	T		

⑤

Coding DNA	T	G	T	C	A	T	G	A	G	A	T	G	A	T	A	T	C	C	A	C	C	A	G	G	T	A	T	T	C	T	G	A	G	G	T	T	G	A	A	A	G	G	T	A	T		
Replication																																															
mRNA																																															
Template DNA	A	C	A	G	T	A	C	T	C	T	A	C	T	A	T	A	G	G	T	G	G	T	C	C	A	T	A	A	G	A	C	T	C	C	A	A	C	T	T	T	C	C	A	T	A		

⑥

Coding DNA	G	A	T	A	A	T	G	C	G	A	A	T	C	A	A	A	C	A	G	C	A	T	T	T	C	A	A	C	G	T	A	C	T	G	T	T	A	A	T	G	A	A	T	G	T		
Replication																																															
mRNA																																															
Template DNA	C	T	A	T	T	A	C	G	C	T	T	A	G	T	T	T	G	T	C	G	T	A	A	A	G	T	T	G	C	A	T	G	A	C	A	A	T	T	A	C	T	T	A	C	A		

⑦

Coding DNA	A	T	G	G	A	A	T	C	T	T	C	C	G	C	T	G	G	T	G	A	A	T	C	A	G	A	G	C	T	T	T	T	T	G	A	T	G	A	A	A	G	T	A	C	C	
Replication																																														
mRNA																																														
Template DNA	T	A	C	C	T	T	A	G	A	A	G	G	C	G	A	C	C	A	C	T	T	A	G	T	C	T	C	G	A	A	A	A	A	C	T	A	C	T	T	T	C	A	T	G	G	

⑧

Coding DNA	A	T	C	A	T	G	T	T	T	T	C	T	C	T	T	G	A	A	A	C	T	G	A	T	A	A	T	G	C	T	G	A	C	C	A	A	A	T	C	A	C	T	T	C	C	
Replication																																														
mRNA																																														
Template DNA	T	A	G	T	A	C	A	A	A	A	G	A	G	A	A	C	T	T	T	G	A	C	T	A	T	T	A	C	G	A	C	T	G	G	T	T	T	A	G	T	G	A	A	G	G	

9

Coding DNA	C	C	T	T	C	T	T	C	C	A	C	T	T	G	G	C	A	T	G	C	T	A	C	T	T	C	A	A	C	C	C	A	T	G	A	A	C	C	C	G	C	C	T	C	C		
Replication																																															
mRNA																																															
Template DNA	G	G	A	A	G	A	A	G	G	T	G	A	A	C	C	G	T	A	C	G	A	T	G	A	A	G	T	T	G	G	G	T	A	C	T	T	G	G	G	C	G	G	A	G	G		

10

Coding DNA	C	A	T	A	T	C	A	C	T	C	A	T	G	A	A	A	G	G	G	A	A	G	A	C	A	A	C	G	C	C	G	A	T	G	A	G	A	C	A	G	A	A	T	G	T	
Replication																																														
mRNA																																														
Template DNA	G	T	A	T	A	G	T	G	A	G	T	A	C	T	T	T	C	C	C	T	T	C	T	G	T	T	G	C	G	G	C	T	A	C	T	C	T	G	T	C	T	T	A	C	A	

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Coding DNA	A	T	G	G	C	C	G	G	C	A	T	A	T	G	C	T	G	A
Replication																		
mRNA																		
Template DNA	T	A	C	C	G	G	C	C	G	T	A	T	A	C	G	A	C	T

②

Coding DNA	T	C	A	T	C	C	G	C	A	G	G	G	G	A	A	T	A	A
Replication																		
mRNA																		
Template DNA	A	G	T	A	G	G	C	G	T	C	C	C	C	T	T	A	T	T

③

Coding DNA	G	C	C	T	G	T	G	A	A	C	T	T	C	T	C	T	G	A
Replication																		
mRNA																		
Template DNA	C	G	G	A	C	A	C	T	T	G	A	A	G	A	G	A	C	T

④

Coding DNA	A	A	T	C	A	C	G	C	T	C	T	C	T	T	A	T	A	G
Replication																		
mRNA																		
Template DNA	T	T	A	G	T	G	C	G	A	G	A	G	A	A	T	A	T	C

⑤

Coding DNA	T	G	G	C	A	T	G	A	G	C	G	C	G	A	A	T	A	G
Replication																		
mRNA																		
Template DNA	A	C	C	G	T	A	C	T	C	G	C	G	C	T	T	A	T	C

⑥

Coding DNA	C	A	A	C	A	A	A	A	A	A	T	A	G	A	A	T	A	A
Replication																		
mRNA																		
Template DNA	G	T	T	G	T	T	T	T	T	A	T	C	T	T	A	T	T	

⑦

Coding DNA	C	G	T	G	T	C	T	G	T	A	C	C	A	G	C	T	A	A
Replication																		
mRNA																		
Template DNA	G	C	A	C	A	G	A	C	A	T	G	G	T	C	G	A	T	T

⑧

Coding DNA	A	C	T	C	A	T	A	T	C	A	A	T	G	G	T	T	A	A
Replication																		
mRNA																		
Template DNA	T	G	A	G	T	A	T	A	G	T	T	A	C	C	A	A	T	T

⑨

Coding DNA	A	G	T	T	G	G	C	A	A	C	G	T	G	A	T	T	A	A
Replication																		
mRNA																		
Template DNA	T	C	A	A	C	C	G	T	T	G	C	A	C	T	A	A	T	T

⑩

Coding DNA	A	C	T	A	T	C	G	T	T	G	A	G	T	C	C	T	A	A
Replication																		
mRNA																		
Template DNA	T	G	A	T	A	G	C	A	A	C	T	C	A	G	G	A	T	T