Steps Leading from Gene to Protein

Published by Garland Publishing, a member of the Taylor & Francis Group.

(A) EUCARYOTES

(1) DNA
(2) primary RNA transcript
(3) RNA cap
(4) mRNA
(5) protein

(B) PROCARYOTES

(1) DNA
(2) mRNA
(3) protein

Cytoplasm
Nucleus
DNA

Introns
Exons

TRANSCRIPTION
TRANSLATION
RNA SPlicing
ADD 5' CAP AND POLY(A) TAIL
EXPORT

EUCARYOTES

PROCARYOTES