

CRC

for

Premium

Quality

Wool

## **From Genes to Proteins**

Produced for the CRC for Premium Quality Wool undergraduate program by; Dr Phil Vercoe, The University of Western Australia.

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## **Reading Frame**

 The genetic code is read in stepwise groups of three nucleotides

 The reading frame is set by the Translation Initiation codon and is read in three's until the Translation Termination or Stop codon



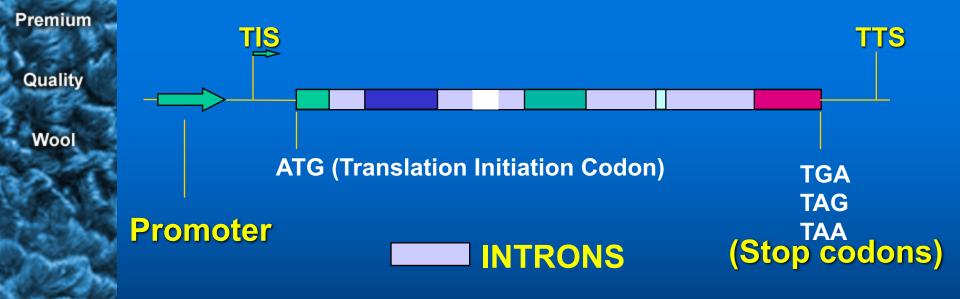
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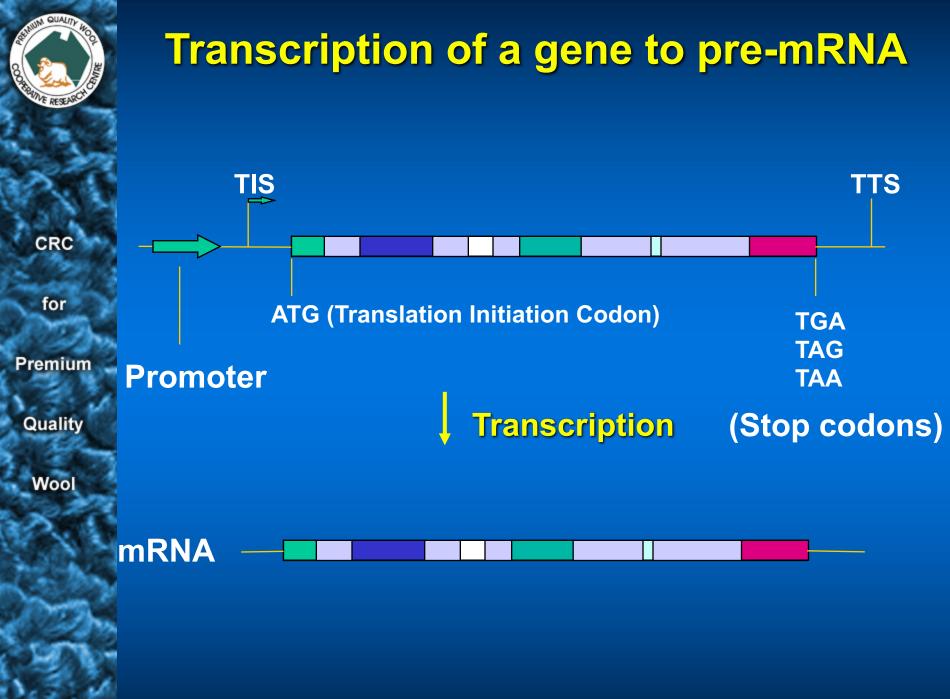
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## **Gene structure**

- **Translation Initiation and Termination Codons** 
  - define the boundaries of the gene
- **Eukaryotes** 
  - exons coding regions of the gene
  - introns non-coding regions that are spliced out at the RNA level

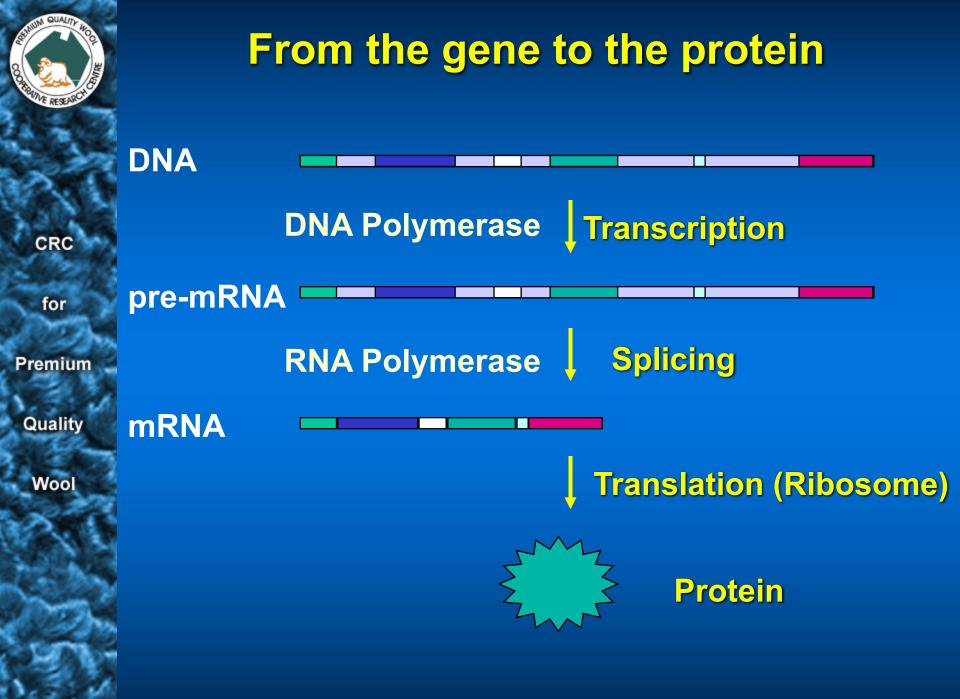




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**Phil Vercoe** 



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