

Frame 3: Predicate BLOCK

Argument Structure for Biology	PropBank Argument Structure
Arg0: agent, causer Arg1: theme //entity or process being stopped//	Sense = oppose, halt, stop Arg0: agent Arg1: theme (action or object being stopped) Arg2: secondary predication Arg3: instrument

Match to BLOCK senses in WordNet: sense 3 - stop from happening or developing

Sentence 3.1 Tagetin is more specific for distinguishing between different RNA polymerases because it **blocks** RNA polymerase during elongation.

Pred: block
Arg0: it
Arg1: RNA polymerase during elongation

Sentence 3.2 Membranes were blocked in TBST (Tris-buffered saline, 0.05% Tween-20) containing 5% bovine serum albumin (for anti-phosphoryrosine blots) or skimmed milk and probed with antibodies.

Pred: block
Arg0: -
Arg1: Membranes

Sentence 3.3 Mutations at the 3' splice site that specifically **block** step II do not affect the association of hPrps 16 and 17 with the spliceosome, indicating that these factors may function at a stage of step II prior to recognition of the 3' splice site.

Pred: recognize
Arg0: Mutation at the 3' splice site
Arg1: step II
MAN: specifically

Frame 4: Predicate GENERATE

Argument Structure for Biology	PropBank Argument Structure
Arg0: agent, causer //gene, protein// Arg1: thing created	Sense = create Arg0: creator Arg1: thing created Arg2: source Arg3: benefactive Arg4: attribute, secondary predication

Match to GENERATE senses in WordNet: sense 1 - bring into existence

Sentence 4.1 Prnd **generates** major transcripts of 1.7 and 2.7 kb as well as some unusual chimeric transcripts generated by intergenic splicing with Prnp.

Pred: generate
Arg0: Prnd
Arg1: major transcripts of 1.7 and 2.7 kb

Sentence 4.2 The bidentate RNase III Dicer cleaves microRNA precursors to **generate** the 21-23 nt long mature RNAs.

Pred: generate
Arg0: The bidentate RNase III Dicer
Arg1: the 21-23 nt long mature RNAs

Sentence 4.3 Human leukocyte antigen (HLA)-G molecules are **generated** by an alternative splicing of the primary transcript of the gene and display specialized function in regulating the immune response.

Pred: generate
Arg0: an alternative splicing of the primary transcript of the gene
Arg1: Human leukocyte antigen (HLA)-G molecules