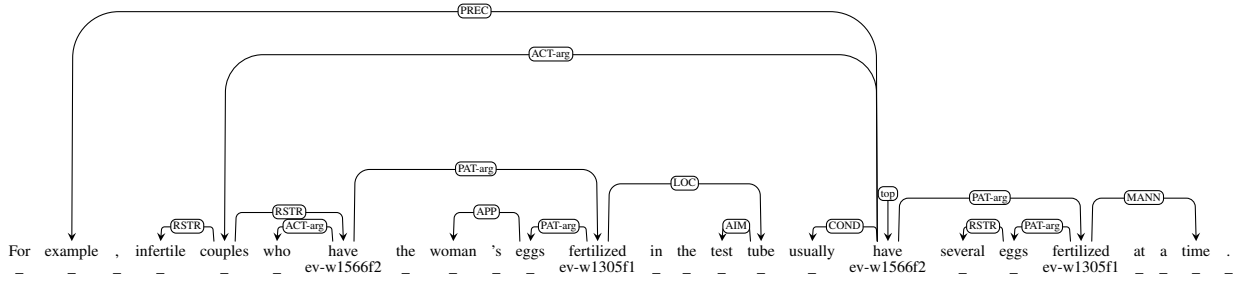
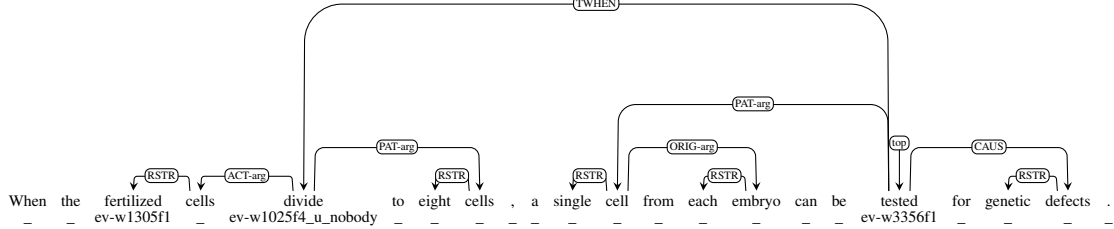


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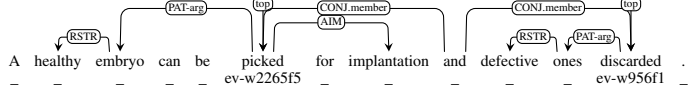




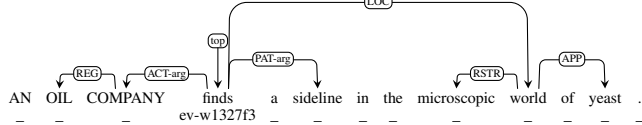
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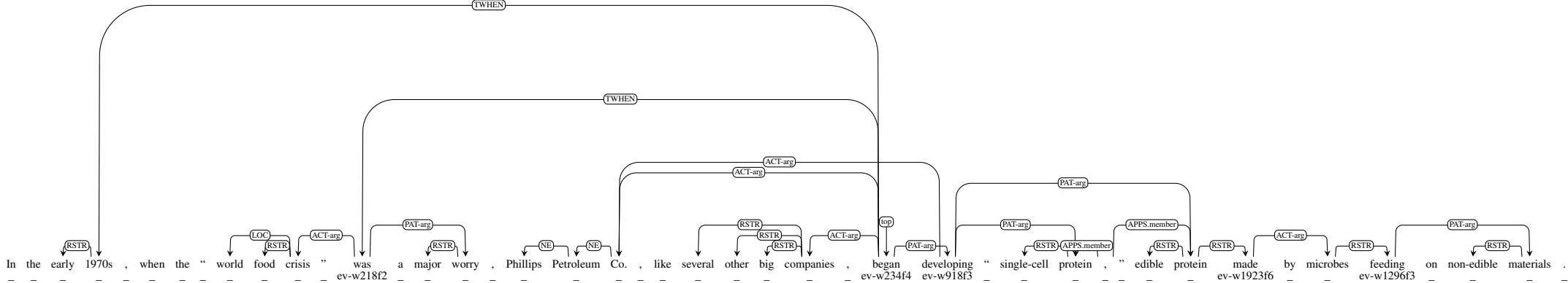
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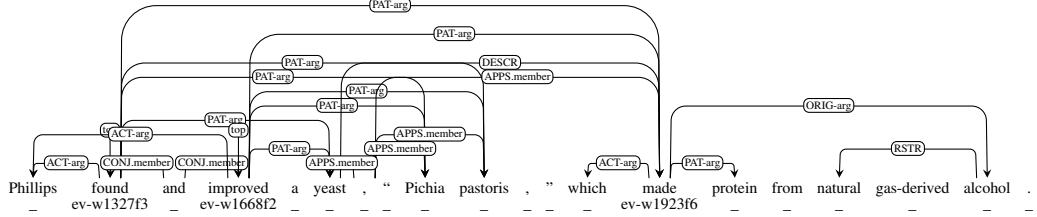
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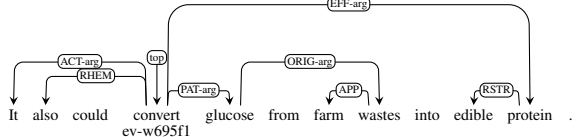
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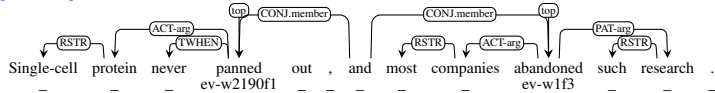
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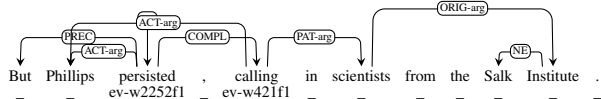
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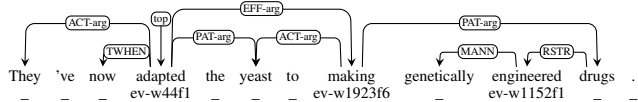
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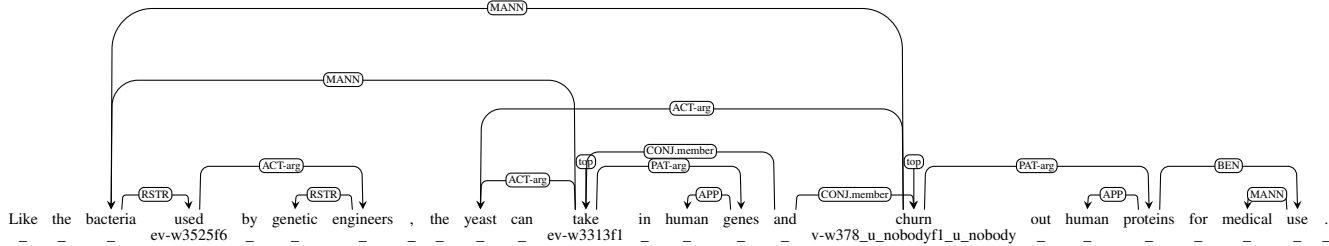
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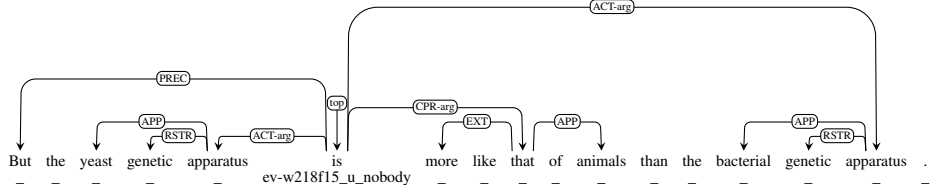
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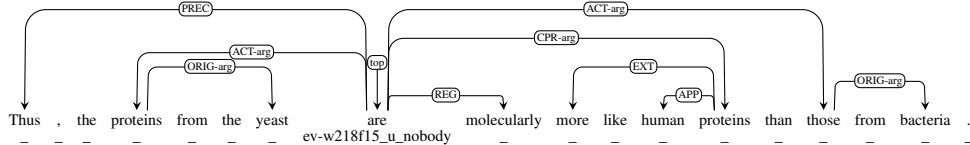
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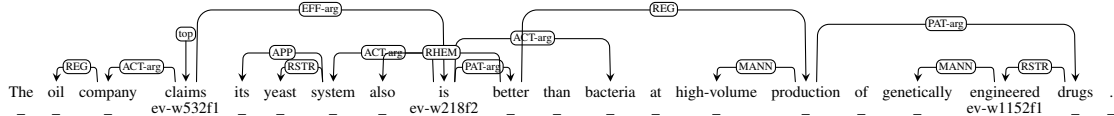
[21218027]



[21218028]



[21218029]



The diagram illustrates a dependency tree for the sentence "Visualizing blood vessels without poking catheters into the body may come out of research at AT&T Bell Laboratories". The root node is S, which branches into NP and VP. NP branches into DET and N. VP branches into V and PP. PP branches into P and NP. This NP branches into NP and PP. The second PP branches into P and NP. The third PP branches into P and NP. The fourth PP branches into P and NP. The fifth PP branches into P and NP. The sixth PP branches into P and NP. The seventh PP branches into P and NP. The eighth PP branches into P and NP. The ninth PP branches into P and NP. The tenth PP branches into P and NP.

Strokes, heart attacks, leg pains, (intermittent claudication) and other problems stem from clogging of the arteries by cholesterol-rich deposits.

[illegible]

In the Bell Labs experiments, an MRI-type of machine, synchronized with the heartbeat via an electrocardiogram, rapidly flips a magnetic field on and off as blood passes a certain point in a vessel.

The rapidly flashing return signals from excited hydrogen atoms in the blood give a "stop-motion" movie of the blood-filled vessel (like the "stop-motion" seen in disco dancers when a strobe light is flashing).

ev-w1345f4_u_nobody

ev-w1219f2_u_nobody

ev-w1465f6

ev-w2875f4

ev-w1345f4_u_nobody

The scientists have experimented on the tiny neck arteries of rats .

[illegible]

```

graph TD
    ACT1[ACT-arg] --> ACT2[ACT-arg]
    ACT1 --> top[top]
    ACT1 --> PAT1[PAT-arg]
    ACT2 --> They[They]
    ACT2 --> now[now]
    top --> TWHEN[TWHEN]
    TWHEN --> are[are]
    TWHEN --> experimenting[experimenting]
    top --> PAT2[PAT-arg]
    PAT2 --> with[with]
    PAT2 --> measuring[measuring]
    measuring --> PAT3[PAT-arg]
    measuring --> ACT3[ACT-arg]
    PAT3 --> blood[blood]
    PAT3 --> flow1[flow]
    ACT3 --> flow2[flow]
  
```

Figure 1 illustrates a dependency tree for the sentence "They now are experimenting with measuring blood flow". The root node is "ACT-arg", which branches into "ACT-arg", "top", and "PAT-arg". The "ACT-arg" node branches into "ACT-arg" and "TWHEN". The "ACT-arg" node branches into "They" and "now". The "TWHEN" node branches into "are" and "experimenting". The "top" node branches into "PAT-arg". The "PAT-arg" node branches into "with" and "measuring". The "measuring" node branches into "PAT-arg" and "ACT-arg". The "PAT-arg" node branches into "blood" and "flow". The "ACT-arg" node branches into "flow".

The ultimate hope is that the technique could identify diseased vessels.

ev-w218f2 ev-w1639f2

Diagram illustrating the structure of the 'Odds and Ends' section. The section is divided into two parts: 'CONJ.member' and 'NJ.member'. The 'CONJ.member' part is associated with the word 'Odds', and the 'NJ.member' part is associated with the word 'Ends'. The word 'and' is placed between 'Odds' and 'Ends'. Arrows indicate the flow from the 'top' labels to the respective members.