GREC Corpus – Anthony Gentile & Lisa Gress

"In vitro transcription from ompB promoter fragments was specifically blocked by IHF."

$\rightarrow$

```
<sentence id="S6"><term sem="SPAN" id="T15"
lex="In_vitro">In vitro</term> transcription
from <term sem="Promoter" id="T16"
lex="ompB_promoter_fragments">ompB promoter
fragments</term> was <term sem="SPAN"
id="T17"
lex="specifically">specifically</term>
blocked by <term sem="Repressor" id="T18"
lex="IHF">IHF</term>.</sentence>

<event id="E6">
  <type class="Transcription" />
  <Manner idref="T15" />
  <Source idref="T16" />
  <clue>In vitro
<clueType>transcription</clueType> from ompB
promoter fragments was specifically blocked
by IHF.
  </clue>
</event>

<event id="E7">
  <type class="GRE" />
  <Agent idref="T18" />
  <Theme idref="E6" />
  <Manner idref="T17" />
  <clue>In vitro transcription from ompB
promoter fragments was specifically
<clueType>blocked</clueType> by IHF.</clue>
</event>
```

```
MRS identifier : Semantic Role Label

"_in+vitro_a_1_rel"<0:8> : Manner

udef_q_rel<28:51> : Source
"_ompb/JJ_u_unknown_rel"<28:32> : Source
compound_rel<33:51> : Source
udef_q_rel<33:41> : Source
"_promoter_n_of_rel"<33:41> : Source
"_fragment_n_1_rel"<42:51> : Source

proper_q_rel<80:84> : Agent
named_rel<80:84> : Agent

"_in+vitro_a_1_rel"<0:8> : Theme

udef_q_rel<28:51> : Theme
"_ompb/JJ_u_unknown_rel"<28:32> : Theme
compound_rel<33:51> : Theme
udef_q_rel<33:41> : Theme
"_promoter_n_of_rel"<33:41> : Theme
"_fragment_n_1_rel"<42:51> : Theme

"_specific_a_to_rel"<56:68> : Manner
```