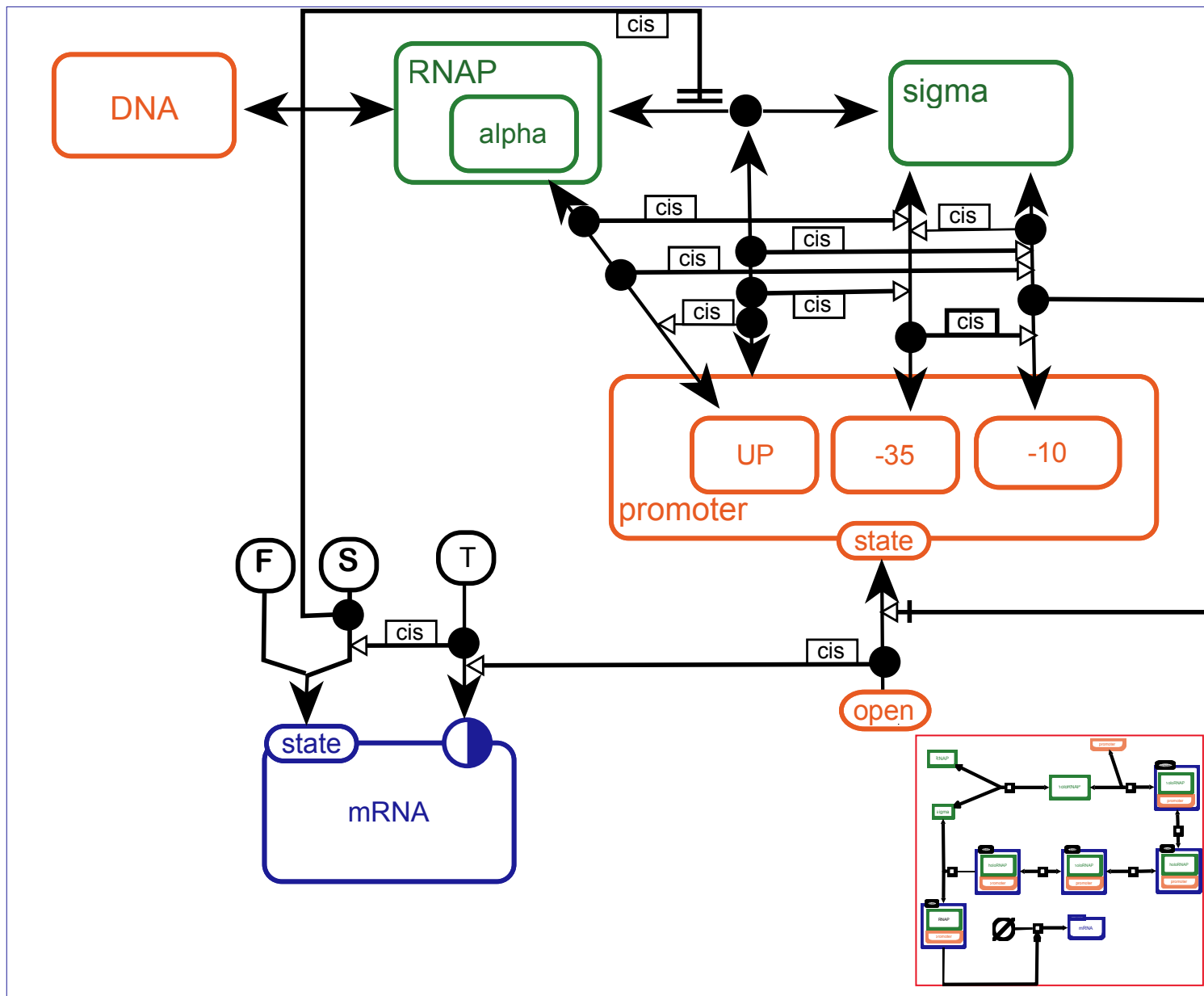


SBGN ER issues



Semantics of the notation

- Current spec:
 - Entity – something that exists
 - Statement arc – logical statement that affects or relates entities
- Problem: it is too broad
- Question:
 - Nature of the entity and nature of the outcome
 - Nature of interaction and contingencies

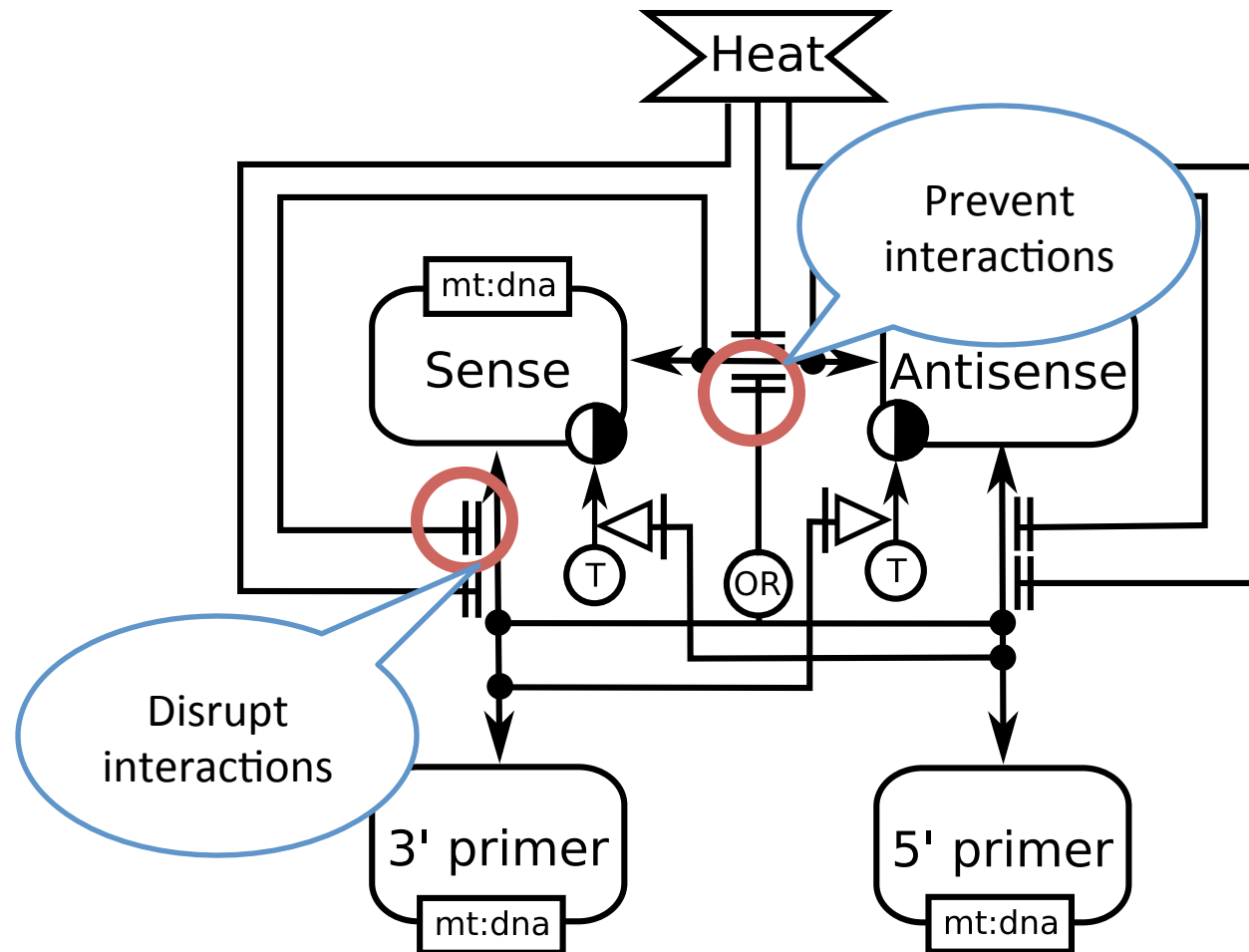
Solution

- 1. Narrow down the meaning
 -

Entity

- Entity effectively agent type
- Outcome is an agent (there are many of them)
- What if outcome nature is different from nature of entities (genetic interaction).

Absolute inhibition: prevention vs disruption

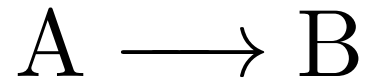


Reversibility of the interaction

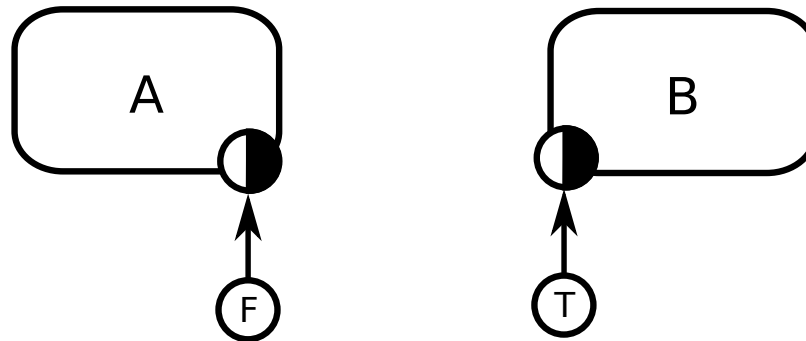
- Related to the prevention issue

Synchronous interactions

- No time in ER
- Simple reaction



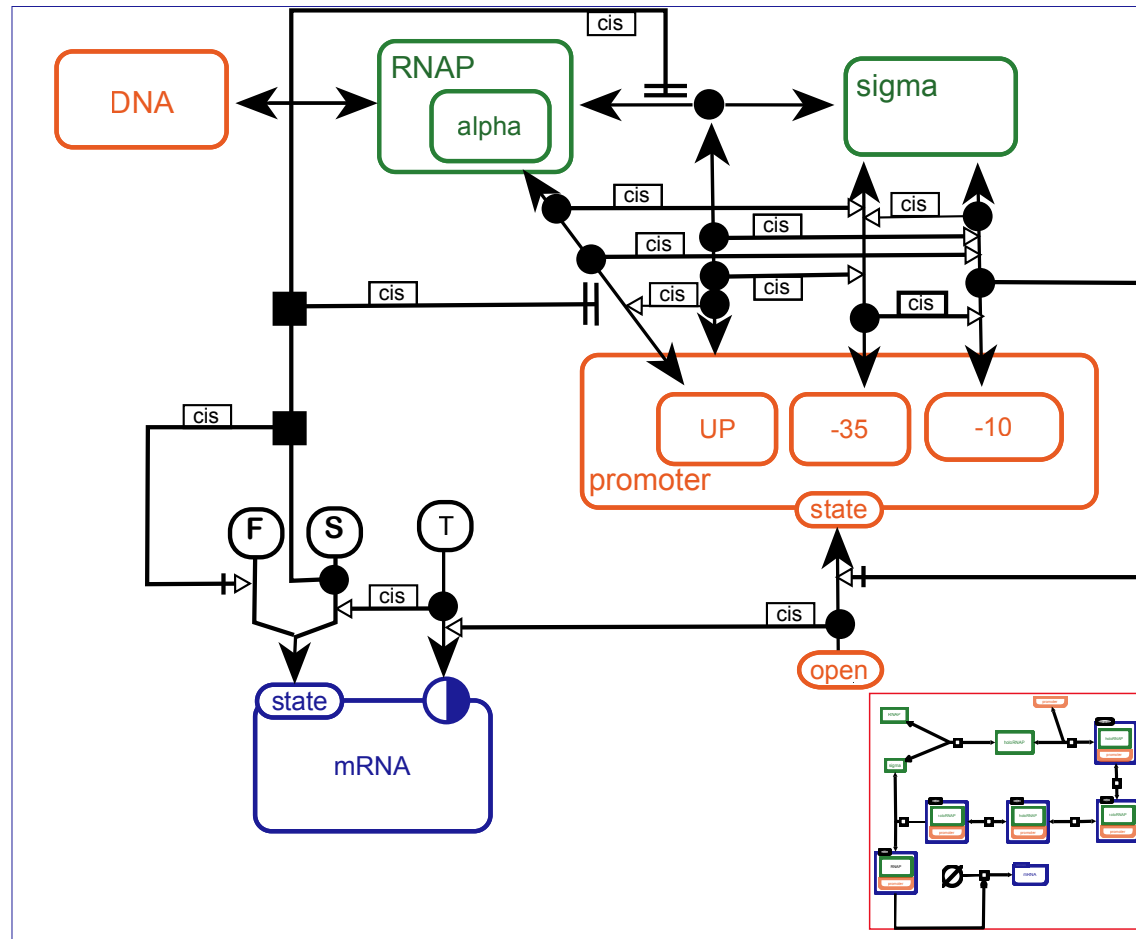
- description required two simultaneous assignments



Occurrent outcome

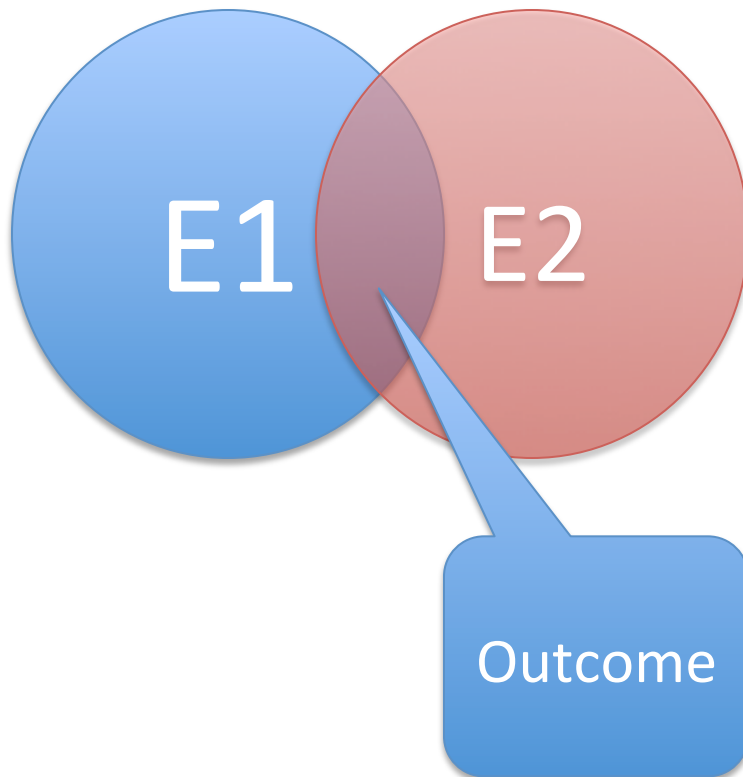
- Outcome that is not an agent but the event of interaction
- Been discussed
- Never been voted

Occurrent outcome



Outcome of the discussion

- Outcome is a restriction on the Entity



Statement arc

- All interactions represented by statement arc are reversible
- There is no difference between disruption and inhibition of an interaction

Synchronization

- Synchronization could be represented as multiple contingencies from the same outcome