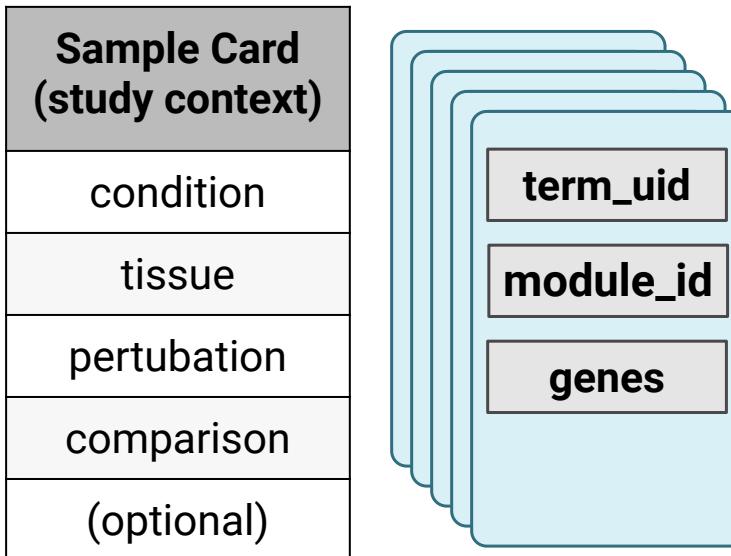
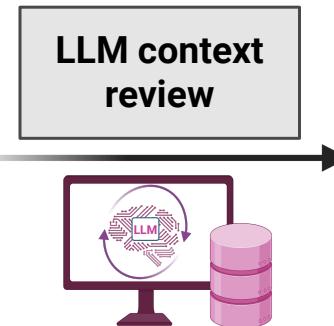


## Input



## LLM context relevance review (context validity gate)



```
{  
    context_status: PASS,  
    context_review_mode: llm,  
    context_gate_mode: hard,  
    ctx_id_effective: HNSC|tumor|genotype|TP53_mut_vs_TP53_wt,  
    evidence_ref: {  
        term_uid: fgsea_msigdb_H_entrez:HALLMARK_P53_PATHWAY,  
        module_id: Maf269dcd4575,  
        gene_set_hash: 73cbba12ef1c,  
    }  
}
```

## LLM schema-bound claim proposal (typed selection; tool-owned evidence identity)

```
{  
    claim_id: c_402f11698cfb,  
    entity: HALLMARK_P53_PATHWAY,  
    direction: up,  
    evidence_ref: {  
        term_uid: fgsea_msigdb_H_entrez:HALLMARK_P53_PATHWAY,  
        module_id: Maf269dcd4575,  
        gene_set_hash: "73cbba12ef1c,  
    }  
}
```

Typed JSON claim

### LLM claim proposal



### Audit gates

- Evidence link (ID+hash)
- Stability/Support
- Context validity
- Stress / Contradiction

### Decision-grade report

- PASS**
  - stable
  - context-specific
- ABSTAIN**
  - unstable
  - context-nonspecific
- FAIL**
  - contradiction
  - evidence drift

audit log