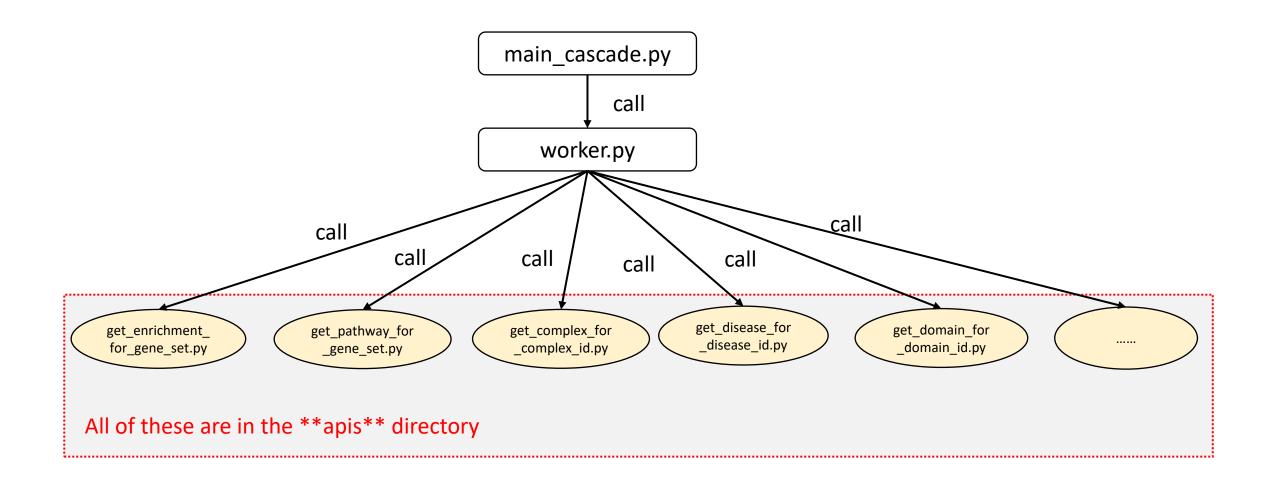
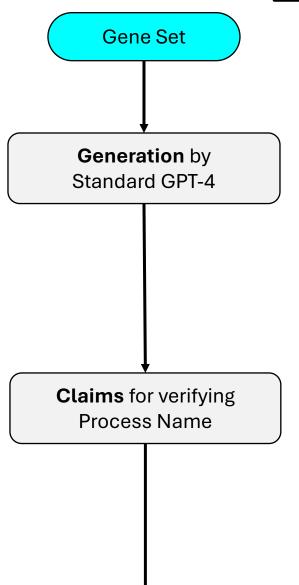
## Overall Structure of the GeneAgent Code

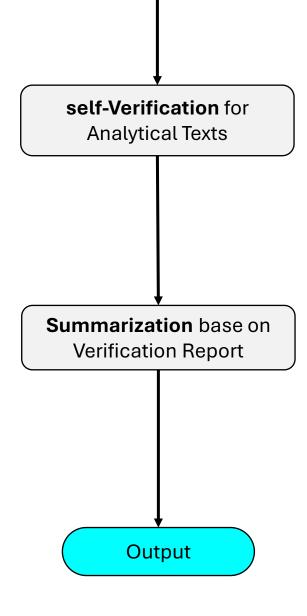


## Process of main\_cascade.py



```
verification_topic = ""
for claim in claims_topic:
    claim_result = agentphd.inference(claim)
    verification_topic += f"Original_claim:{claim}"
    verification_topic += f"Verified_claim:{claim_result}"
```

Call worker.py



```
verification_analysis = ""
for claim in claims_analysis:
    claim_result = agentphd.inference(claim)
    verification_analysis += f"Original_claim:{claim}"
    verification_analysis += f"Verified_claim:{claim_result}"
```

Call worker.py

```
messages.append(
    {"role":"assistant", "content":f"I have finished the verification for the revised summary.)

updated = openai.ChatCompletion.create(
    engine="gpt-4-32k",
    messages=messages,
    temperature=0,
    )

update = updated.choices[0]["message"]["content"]
```