

## 8 Attribute:

1. prefix: String = .\Pfad\ der \Daten  
self.adata.ass["prefix"]

2. gene\_info: pd. Dataframe = Informationen zu den Genen  
self.adata.var

|        | Symbol  | Length | Type       | ... |
|--------|---------|--------|------------|-----|
| gene_0 | "UHMK1" | 8478   | "Cellular" |     |
| gene_1 | "ATF3"  | 2103   | "Cellular" |     |
| gene_2 | "PABC4" | 3592   | "Cellular" |     |
| gene_3 | "ROR1"  | 5832   | "Cellular" |     |
| ...    |         |        |            |     |

3. slots: Dictionary = Platz für die Datenmatrizen

self.adata.layers[key]

| count  | cell_0 | cell_1 | cell_2 | ... |
|--------|--------|--------|--------|-----|
| gene_0 | 650    | 292    | 73     |     |
| gene_1 | 12     | 455    | 242    |     |
| gene_2 | 510    | 37     | 139    |     |
| gene_3 | 311    | 168    | 90     |     |
| ...    |        |        |        |     |

| ntr    | cell_0 | ... |
|--------|--------|-----|
| gene_0 |        |     |
| ...    |        |     |

Wichtig: Transponiert im Vergleich zu grandR

4. coldata: pd. Dataframe = Informationen zu Samples

self.adata.obs

|        | Condition | Replicate | duration.4sll | ... |
|--------|-----------|-----------|---------------|-----|
| cell_0 | "Mock"    | "A"       | 0             |     |
| cell_1 | "Mock"    | "A"       | 1             |     |
| cell_2 | "Mock"    | "A"       | 2             |     |
| cell_3 | "Sars"    | "B"       | 2             |     |
| ...    |           |           |               |     |

5. metadata: Dictionary = Zusatzinformationen  
self.adata.uns["metadata"][key]

Description: String, default\_slot: String, GRAND-SLAM version: int

6. analyses

self.adata.uns["analyses"]

7. plots

self.adata.uns["plots"]

8. parent: GrandPy = Übernimmt manche Attribute des parent, falls diese None sind  
wird nicht gespeichert

übernehmbare Attribute: prefix, gene\_info, slots, coldata, metadata  
nicht übernehmbare: analyses, plots, parent