



c)

Project Cards
one point access for run and result summary

Mapping Statistics
Commonly used statistics to summarise data quality and analysis task

Visual Summary
Expert designed graphs to visually capture result of analysis

Checkpointing section
inferred automatically from special annotation tags in <tasks>.sh

```

ING CHECKLIST 10 1 NOTES 11
'bowtie2
#####
# NGSANE /apps/g1/ngsane/devel_db/mods/bowtie2
#####
*_FAIL .. finished are 10/11
>>>>>>> Errors
QC_PASS .. 0 have we are loosing reads/11
*_FAIL .. 1 have file not found/11
QC_PASS .. 0 have bowtie2.sh: line/11
QC_PASS .. 0 have Resource temporarily unavailable/11
>>>>>>> CheckPoints
QC_PASS .. 0 have programs/11
QC_PASS .. 0 have parameters/11
QC_PASS .. 0 have recall files from tape/11
*_FAIL .. 0 have run bowtie2/11
*_FAIL .. 10 have mark duplicates/11
*_FAIL .. 10 have statistics/11
*_FAIL .. 10 have calculate inner distance/11
  
```



Example tasks

FASTQC

BWA

BOWTIE