pyrpipe report

file name:pyrpipe_logs/2020-01-29-12_00_45_pyrpipe.log

Summary

Time start: 2020-01-29 12:00:45 Time end: 2020-01-29 12:21:38

Total time: 0:20:53

Num commands: 22

Num failed commands: 0

Num passed commands: 22

Total programs: 7

rqdump

Details

```
command
```

```
prefetch -0 athal out/SRR976159 SRR976159
```

stdout

```
2020-01-29T18:02:08 prefetch.2.10.0: 1) Downloading 'SRR976159'...
2020-01-29T18:02:08 prefetch.2.10.0: Downloading via https...
2020-01-29T18:02:16 prefetch.2.10.0: https download succeed 2020-01-29T18:02:16 prefetch.2.10.0: 1) 'SRR976159' was downloaded successfully
```

Program	Return code	Start	Runtime	Version

prefetch	0	20-01-29 12:02:04	0.00.12	/home/usingh/lib_urmi/ softwares/sratoolkit.2.10.0- centos_linux64/bin/prefetch : 2.10.0
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prefetch -0 athal out/SRR978411 SRR978411

stdout

```
2020-01-29T18:02:18 prefetch.2.10.0: 1) Downloading 'SRR978411'...
2020-01-29T18:02:18 prefetch.2.10.0: Downloading via https...
2020-01-29T18:02:26 prefetch.2.10.0: https download succeed 2020-01-29T18:02:26 prefetch.2.10.0: 1) 'SRR978411' was downloaded successfully
```

stderr

Program	Return code	Start	Runtime	Version
prefetch		20-01-29 12:02:17	0.00.00	/home/usingh/lib_urmi/ softwares/sratoolkit.2.10.0- centos_linux64/bin/prefetch : 2.10.0

command

prefetch -0 athal out/SRR971778 SRR971778

stdout

```
2020-01-29T18:02:27 prefetch.2.10.0: 1) Downloading 'SRR971778'...
2020-01-29T18:02:27 prefetch.2.10.0: Downloading via https...
2020-01-29T18:02:37 prefetch.2.10.0: https download succeed 2020-01-29T18:02:37 prefetch.2.10.0: 1) 'SRR971778' was downloaded successfully
```

Program	Return code	Start	Runtime	Version
prefetch	0	20-01-29 12:02:26	0.00.11	/home/usingh/lib_urmi/ softwares/sratoolkit.2.10.0- centos_linux64/bin/prefetch : 2.10.0

fasterq-dump -e 8 -f -t athal_out -0 athal_out/SRR976159 -o
SRR976159.fastq athal_out/SRR976159/SRR976159.sra

stdout

stderr

Program	Return code	Start	Runtime	Version
fasterq-dump	0	20-01-29 12:03:54	0:00:14	

command

fasterq-dump -e 8 -f -t athal_out -0 athal_out/SRR978411 -o
SRR978411.fastq athal out/SRR978411/SRR978411.sra

stdout

stderr

Program	Return code	Start	Runtime	Version
fasterq-dump	0	20-01-29 12:04:09	0:00:26	

command

fasterq-dump -e 8 -f -t athal_out -0 athal_out/SRR971778 -o
SRR971778.fastq athal out/SRR971778/SRR971778.sra

stdout

spots read : 5,432,321
reads read : 10,864,642
reads written : 10,864,642

stderr

Program	Return code	Start	Runtime	Version
fasterq-dump	0	20-01-29 12:04:35	0:00:30	

command

bbduk.sh ktrim=r k=23 mink=11 qtrim='rl' trimq=10
ref=adapters2.fa in=athal_out/SRR976159/SRR976159_1.fastq
in2=athal_out/SRR976159/SRR976159_2.fastq out=athal_out/
SRR976159/SRR976159_1_bbduk.fastq out2=athal_out/SRR976159/
SRR976159 2 bbduk.fastq -Xmx2g

stdout

java -ea -Xmx2g -Xms2g -cp /home/usingh/lib_urmi/softwares/ bbmap/current/ jgi.BBDuk ktrim=r k=23 mink=11 qtrim='rl' trimq=10 ref=adapters2.fa in=athal_out/SRR976159/ SRR976159_1.fastq in2=athal_out/SRR976159/SRR976159_2.fastq out=athal_out/SRR976159/SRR976159_1_bbduk.fastq out2=athal_out/SRR976159/SRR976159_2_bbduk.fastq -Xmx2g Executing jgi.BBDuk [ktrim=r, k=23, mink=11, qtrim=rl, trimq=10, ref=adapters2.fa, in=athal_out/SRR976159/ SRR976159_1.fastq, in2=athal_out/SRR976159/ SRR976159_1_bbduk.fastq, out2=athal_out/SRR976159/ SRR976159_2_bbduk.fastq, -Xmx2g] Version 38.73

maskMiddle was disabled because useShortKmers=true 0.017 seconds.

Initial:

Memory: max=2058m, total=2058m, free=2015m, used=43m

Added 3297 kmers; time: 0.024 seconds.

Memory: max=2058m, total=2058m, free=1961m, used=97m

Input is being processed as paired Started output streams: 0.012 seconds.

Processing time: 9.963 seconds.

Input: 9457612 reads

680948064 bases.

QTrimmed: 319597 reads (3.38%)

1867256 bases (0.27%)

KTrimmed: 10427 reads (0.11%)

483899 bases (0.07%)

Total Removed: 1408 reads (0.01%)

2351155 bases (0.35%)

Result: 9456204 reads (99.99%)

678596909 bases (99.65%)

Time: 10.002 seconds.
Reads Processed: 9457k 945.61k reads/sec
Bases Processed: 680m 68.08m bases/sec

stderr

Program	Return code	Start	Runtime	Version
bbduk.sh	111	20-01-29 12:10:30	0:00:11	java -ea -Xmx4580m -Xms4580m -cp /home/usingh/lib_urmi/softwares/bbmap/current/jgi.BBDukversion BBMap version 38.73 For help, please run the shellscript with no parameters, or look in /docs/.

command

bbduk.sh ktrim=r k=23 mink=11 qtrim='rl' trimq=10
ref=adapters2.fa in=athal_out/SRR978411/SRR978411_1.fastq
in2=athal_out/SRR978411/SRR978411_2.fastq out=athal_out/
SRR978411/SRR978411_1_bbduk.fastq out2=athal_out/SRR978411/
SRR978411_2_bbduk.fastq -Xmx2g

stdout

java -ea -Xmx2g -Xms2g -cp /home/usingh/lib_urmi/softwares/ bbmap/current/ jgi.BBDuk ktrim=r k=23 mink=11 qtrim='rl' trimq=10 ref=adapters2.fa in=athal_out/SRR978411/ SRR978411_1.fastq in2=athal_out/SRR978411/SRR978411_2.fastq out=athal_out/SRR978411/SRR978411_1_bbduk.fastq out2=athal_out/SRR978411/SRR978411_2_bbduk.fastq -Xmx2g Executing jgi.BBDuk [ktrim=r, k=23, mink=11, qtrim=rl, trimq=10, ref=adapters2.fa, in=athal_out/SRR978411/ SRR978411_1.fastq, in2=athal_out/SRR978411/ SRR978411_2.fastq, out=athal_out/SRR978411/ SRR978411_1_bbduk.fastq, out2=athal_out/SRR978411/ SRR978411_2_bbduk.fastq, -Xmx2g] Version 38.73

maskMiddle was disabled because useShortKmers=true 0.017 seconds.

Initial:

Memory: max=2058m, total=2058m, free=2015m, used=43m

Added 3297 kmers; time: 0.021 seconds.

Memory: max=2058m, total=2058m, free=1961m, used=97m

Input is being processed as paired Started output streams: 0.004 seconds.

Processing time: 31.490 seconds.

Input: 8401250 reads

604890000 bases.

QTrimmed: 247216 reads (2.94%)

1358333 bases (0.22%)

KTrimmed: 8251 reads (0.10%)

373837 bases (0.06%)

Total Removed: 1128 reads (0.01%)

1732170 bases (0.29%)

Result: 8400122 reads (99.99%)

603157830 bases (99.71%)

Time: 31.516 seconds.
Reads Processed: 8401k 266.57k reads/sec
Bases Processed: 604m 19.19m bases/sec

stderr

Program	Return code	Start	Runtime	Version
bbduk.sh		20-01-29 12:10:42	0:00:32	java -ea -Xmx4580m -Xms4580m -cp /home/usingh/lib_urmi/softwares/bbmap/current/jgi.BBDukversion BBMap version 38.73 For help, please run the shellscript with no parameters, or look in /docs/.

command

bbduk.sh ktrim=r k=23 mink=11 qtrim='rl' trimq=10
ref=adapters2.fa in=athal_out/SRR971778/SRR971778_1.fastq

in2=athal_out/SRR971778/SRR971778_2.fastq out=athal_out/
SRR971778/SRR971778_1_bbduk.fastq out2=athal_out/SRR971778/
SRR971778 2 bbduk.fastq -Xmx2g

stdout

java -ea -Xmx2g -Xms2g -cp /home/usingh/lib urmi/softwares/ bbmap/current/jgi.BBDuk ktrim=r k=23 mink=11 gtrim='rl' trimg=10 ref=adapters2.fa in=athal out/SRR971778/ SRR971778 1.fastq in2=athal out/SRR971778/SRR971778 2.fastq out=athal out/SRR971778/SRR971778 1 bbduk.fastq out2=athal_out/SRR971778/SRR971778_2_bbduk.fastq -Xmx2g Executing jgi.BBDuk [ktrim=r, k=23, mink=11, qtrim=rl, trimq=10, ref=adapters2.fa, in=athal out/SRR971778/ SRR971778_1.fastq, in2=athal out/SRR971778/ SRR971778 2.fastq, out=athal out/SRR971778/ SRR971778 1 bbduk.fastg, out2=athal out/SRR971778/ SRR971778 2 bbduk.fastq, -Xmx2q] Version 38.73 maskMiddle was disabled because useShortKmers=true 0.012 seconds. Initial: Memory: max=2058m, total=2058m, free=2015m, used=43m Added 3297 kmers: time: 0.212 seconds. Memory: max=2058m, total=2058m, free=1961m, used=97m Input is being processed as paired Started output streams: 0.008 seconds. Processing time: 54.414 seconds. Input: 10864642 reads 782254224 bases. OTrimmed: 196217 reads (1.81%) 1170368 bases (0.15%) KTrimmed: 13593 reads (0.13%) 576005 bases (0.07%) Total Removed: 1042 reads (0.01%) 1746373 bases (0.22%) 10863600 reads (99.99%) Result: 780507851 bases (99.78%)

stderr

Time:

Reads Processed:

Bases Processed:

Program Return code	Start	Runtime	Version
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10864k

782m

54.636 seconds.

198.86k reads/sec

14.32m bases/sec

bbduk.sh		20-01-29 12:11:14	0:00:55	java -ea -Xmx4580m -Xms4580m -cp /home/usingh/lib_urmi/softwares/bbmap/current/jgi.BBDukversion BBMap version 38.73 For help, please run the shellscript with no parameters, or look in /docs/.
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hisat2-build -p 8 -a -q athal_out/
Arabidopsis_thaliana.TAIR10.dna.toplevel.fa athal_out/
athalIndex/athalInd

stdout

stderr

Program	Return code	Start	Runtime	Version
hisat2- build	0	20-01-29 12:12:33	0:00:37	hisat2-build version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:52:43 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 -msse2 -funroll-loops - g3 -DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}

command

hisat2 --dta-cufflinks -p 10 -x athal_out/athalIndex/ athalInd -1 athal_out/SRR976159/SRR976159_1_bbduk.fastq -2 athal_out/SRR976159/SRR976159_2_bbduk.fastq -S athal_out/ SRR976159/SRR976159_hisat2.sam

stdout

```
4728102 reads; of these:
4728102 (100.00%) were paired; of these:
206364 (4.36%) aligned concordantly 0 times
4408659 (93.24%) aligned concordantly exactly 1 time
113079 (2.39%) aligned concordantly >1 times
```

```
206364 pairs aligned concordantly 0 times; of these:
41813 (20.26%) aligned discordantly 1 time
164551 pairs aligned 0 times concordantly or
discordantly; of these:
329102 mates make up the pairs; of these:
180243 (54.77%) aligned 0 times
143912 (43.73%) aligned exactly 1 time
4947 (1.50%) aligned >1 times
98.09% overall alignment rate
```

stderr

Program	Return code	Start	Runtime	Version
hisat2	0	20-01-29 12:13:33	0:01:05	/home/usingh/lib_urmi/softwares/hisat2-2.1.0/hisat2-align-s version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:53:42 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 -msse2 -funroll-loops -g3 -DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}

command

hisat2 --dta-cufflinks -p 10 -x athal_out/athalIndex/ athalInd -1 athal_out/SRR978411/SRR978411_1_bbduk.fastq -2 athal_out/SRR978411/SRR978411_2_bbduk.fastq -S athal_out/ SRR978411/SRR978411_hisat2.sam

stdout

```
4200061 reads; of these:
4200061 (100.00%) were paired; of these:
197399 (4.70%) aligned concordantly 0 times
3894707 (92.73%) aligned concordantly exactly 1 time
107955 (2.57%) aligned concordantly >1 times
----
197399 pairs aligned concordantly 0 times; of these:
41081 (20.81%) aligned discordantly 1 time
----
156318 pairs aligned 0 times concordantly or
discordantly; of these:
312636 mates make up the pairs; of these:
173950 (55.64%) aligned 0 times
```

133563 (42.72%) aligned exactly 1 time 5123 (1.64%) aligned >1 times 97.93% overall alignment rate

stderr

Program	Return code	Start	Runtime	Version
hisat2	0	20-01-29 12:14:38	0:01:07	/home/usingh/lib_urmi/softwares/hisat2-2.1.0/hisat2-align-s version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:53:42 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 -msse2 -funroll-loops -g3 -DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}

command

hisat2 --dta-cufflinks -p 10 -x athal_out/athalIndex/ athalInd -1 athal_out/SRR971778/SRR971778_1_bbduk.fastq -2 athal_out/SRR971778/SRR971778_2_bbduk.fastq -S athal_out/ SRR971778/SRR971778 hisat2.sam

stdout

```
5431800 reads; of these:
5431800 (100.00%) were paired; of these:
643040 (11.84%) aligned concordantly 0 times
4607044 (84.82%) aligned concordantly exactly 1 time
181716 (3.35%) aligned concordantly >1 times
----
643040 pairs aligned concordantly 0 times; of these:
17694 (2.75%) aligned discordantly 1 time
----
625346 pairs aligned 0 times concordantly or
discordantly; of these:
1250692 mates make up the pairs; of these:
1132019 (90.51%) aligned 0 times
112860 (9.02%) aligned exactly 1 time
5813 (0.46%) aligned >1 times
89.58% overall alignment rate
```

Program	Return code	Start	Runtime	Version
hisat2	0	20-01-29 12:15:45	0:01:17	/home/usingh/lib_urmi/softwares/hisat2-2.1.0/hisat2-align-s version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:53:42 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 -msse2 -funroll-loops -g3 -DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}

samtools view -@ 8 -o athal_out/SRR976159/
SRR976159_hisat2.bam -b athal_out/SRR976159/
SRR976159 hisat2.sam

stdout

stderr

Program	Return code	Start	Runtime	Version
samtools		20-01-29 12:17:11	0:00:33	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

samtools sort -@ 8 -o athal_out/SRR976159/
SRR976159_hisat2_sorted.bam athal_out/SRR976159/
SRR976159 hisat2.bam

stdout

[bam_sort_core] merging from 0 files and 8 in-memory blocks...

Program	Return code	Start	Runtime	Version
samtools		20-01-29 12:17:44	0:00:20	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

samtools view -@ 8 -o athal_out/SRR978411/
SRR978411_hisat2.bam -b athal_out/SRR978411/
SRR978411 hisat2.sam

stdout

stderr

Program	Return code	Start	Runtime	Version
samtools		20-01-29 12:18:04	0:00:24	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

samtools sort -@ 8 -o athal_out/SRR978411/
SRR978411_hisat2_sorted.bam athal_out/SRR978411/
SRR978411 hisat2.bam

stdout

[bam_sort_core] merging from 0 files and 8 in-memory blocks...

Program	Return code	Start	Runtime	Version
samtools	111	20-01-29 12:18:28	0:00:18	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

samtools view -@ 8 -o athal_out/SRR971778/
SRR971778_hisat2.bam -b athal_out/SRR971778/
SRR971778 hisat2.sam

stdout

stderr

Program	Return code	Start	Runtime	Version
samtools		20-01-29 12:18:47	0:00:30	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

samtools sort -@ 8 -o athal_out/SRR971778/
SRR971778_hisat2_sorted.bam athal_out/SRR971778/
SRR971778 hisat2.bam

stdout

[bam_sort_core] merging from 0 files and 8 in-memory blocks...

stderr

Program	Return code	Start	Runtime	Version
samtools		20-01-29 12:19:17	0:00:24	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

stringtie -G athal_out/Arabidopsis_thaliana.TAIR10.45.gtf -o
athal_out/SRR976159/SRR976159_hisat2_sorted_stringtie.gtf
athal_out/SRR976159/SRR976159_hisat2_sorted.bam

stdout

stderr

Program	Return code	Start	Runtime	Version
stringtie	0	20-01-29 12:19:40	0:00:40	2.0.4

command

stringtie -G athal_out/Arabidopsis_thaliana.TAIR10.45.gtf -o athal_out/SRR978411/SRR978411_hisat2_sorted_stringtie.gtf athal out/SRR978411/SRR978411 hisat2 sorted.bam

stdout

stderr

Program	Return code	Start	Runtime	Version
stringtie	0	20-01-29 12:20:20	0:00:36	2.0.4

command

stringtie -G athal_out/Arabidopsis_thaliana.TAIR10.45.gtf -o athal_out/SRR971778/SRR971778_hisat2_sorted_stringtie.gtf athal out/SRR971778/SRR971778 hisat2 sorted.bam

stdout

stderr

Program	Return code	Start	Runtime	Version
stringtie	0	20-01-29 12:20:56	0:00:42	2.0.4

Environment Information

Program	IS	
name	version	path

stringtie	2.0.4	/home/usingh/lib_urmi/ softwares/ stringtie-2.0.4.Linux_x86_64/ stringtie
	java -ea -Xmx4580m - Xms4580m -cp /home/usingh/ lib_urmi/softwares/bbmap/ current/ jgi.BBDukversion BBMap version 38.73 For help, please run the shellscript with no parameters, or look in / docs/.	/home/usingh/lib_urmi/ softwares/bbmap/bbduk.sh
hisat2- build	hisat2-build version 2.1.0 64- bit Built on login-node03 Wed Jun 7 15:52:43 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 - msse2 -funroll-loops -g3 - DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}	/home/usingh/lib_urmi/ softwares/hisat2-2.1.0/hisat2- build
samtools	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.	/home/usingh/lib_urmi/ softwares/samtools-1.9/ samtools-1.9/bin/samtools
prefetch	/home/usingh/lib_urmi/ softwares/sratoolkit.2.10.0- centos_linux64/bin/prefetch: 2.10.0	/home/usingh/lib_urmi/ softwares/sratoolkit.2.10.0- centos_linux64/bin/prefetch
hisat2	/home/usingh/lib_urmi/ softwares/hisat2-2.1.0/hisat2- align-s version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:53:42 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 - msse2 -funroll-loops -g3 - DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}	/home/usingh/lib_urmi/ softwares/hisat2-2.1.0/hisat2
fasterq- dump		/home/usingh/lib_urmi/ softwares/sratoolkit.2.10.0- centos_linux64/bin/fasterq- dump

System Information	
Time at collection	20-01-29 12:00:45
IPVIDAD	Python 3.7.5 (default, Oct 25 2019, 15:51:11) [GCC 7.3.0]

Operating system	Linux-3.16.0-4-amd64-x86_64-with-debian-8.9
CPU	8 logical CPU cores

sys.modules
'sys'
'builtins'
'_frozen_importlib'
'_imp'
'_thread'
'_warnings'
'_weakref'
'zipimport'
'_frozen_importlib_external'
 '_io'
'marshal'
'posix'
'encodings'
'codecs'
' codecs'
encodings.aliases'
'encodings.utf 8'
'_signal'
main '
encodings.latin_1'
'io'
'abc'
'abc'
bootlocale'
' locale'
-site'
'os'
'stat'
'_stat'
- 'posixpath'
'genericpath'
'os.path'
'_collections_abc'
 '_sitebuiltins'
- 'types'
'importlib'
'importlibbootstrap'
'importlibbootstrap_external'
'warnings'

'importlib.util'
'importlib.abc'
'importlib.machinery'
'contextlib'
'collections'
'operator'
' operator'
'keyword'
'heapq'
'_heapq'
'itertools'
'reprlib'
' collections'
'functools'
' functools'
- 'google'
'google.cloud'
'google.logging'
'mpl toolkits'
'sphinxcontrib'
'runpy'
'pkgutil'
'weakref'
' weakrefset'
'ipykernel'
'ipykernelversion'
'ipykernel.connect'
' future '
'json'
'json.decoder'
're'
'enum'
'sre_compile'
'_sre'
'sre_parse'
'sre_constants'
'copyreg'
'json.scanner'
'_json'
'json.encoder'
'subprocess'
'time'
'signal'
'errno'

' posixsubprocess'
'select'
'selectors'
'collections.abc'
'math'
'threading'
'traceback'
'linecache'
'tokenize'
'token'
'IPython'
'IPython.core'
<u> </u>
'IPython.core.getipython' 'IPython.core.release'
'IPython.core.application'
'atexit'
'copy'
'glob'
'fnmatch'
'logging'
'string'
'_string'
'shutil'
'zlib'
'bz2'
'_compression'
'_bz2'
'lzma'
'_lzma'
'pwd'
'grp'
'traitlets'
'traitlets.traitlets'
'inspect'
'dis'
'opcode'
'_opcode'
'six'
'struct'
'_struct'
'traitlets.utils'
'traitlets.utils.getargspec'
'traitlets.utils.importstring'
'ipython genutils'

'ipython_genutilsversion'
'ipython_genutils.py3compat'
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'ipywidgets.widget'
'ipywidgets.widgets.domwidget'
'ipywidgets.widgets.trait_types'

'ipywidgets.widgets.util'
'ipywidgets.widget_layout'
'ipywidgets.widget_style'
'ipywidgets.widgets.valuewidget'
'ipywidgets.widget_core'
'ipywidgets.widget_bool'
'ipywidgets.widget_description'
'ipywidgets.widget_button'
'ipywidgets.widget_box'
'ipywidgets.widgets.docutils'
'ipywidgets.widget_float'
'ipywidgets.widget_int'
'ipywidgets.widgets.widget_color'
'ipywidgets.widget_date'
'ipywidgets.widget_output'
'ipywidgets.widget_selection'
'ipywidgets.widgets.widget_selectioncontainer'
'ipywidgets.widget_string'
'ipywidgets.widget_controller'
'ipywidgets.widgets.interaction'
'ipywidgets.widget_link'
'ipywidgets.widget_media'
'ipywidgets.widget_templates'
'ipywidgets.widget_upload'
'pyrpipe'
'pyrpipe.sra'
'pyrpipe.pyrpipe_utils'
'pyrpipe.pyrpipe_engine'
'multiprocessing'
'multiprocessing.context'
'multiprocessing.process'
'multiprocessing.reduction'
'mp_main'

sys.path
'/home/usingh/work/urmi/hoap/pyrpipe/examples/ Athaliana transcript assembly'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python37.zip'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python3.7'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python3.7/lib-dynload'
П
'/home/usingh/.local/lib/python3.7/site-packages'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python3.7/site-packages'

'/home/usingh/work/urmi/hoap/pyrpipe'

'/home/usingh/lib_urmi/softwares/mikado'

'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python3.7/site-packages/IPython/extensions'

'/home/usingh/.ipython'