jm9963@zardo:~$ sh Jacob\_Miller\_bash.sh -c temp\_chr.fa -s temp\_faq.fastq

Workers running: 2

…

3.58user 6.18system 0:03.78elapsed 258%CPU (0avgtext+0avgdata 72400maxresident)k

0inputs+17168outputs (8major+44692minor)pagefaults 0swaps

Workers running: 5

…

7.90user 12.09system 0:04.36elapsed 458%CPU (0avgtext+0avgdata 72156maxresident)k

0inputs+20824outputs (11major+103968minor)pagefaults 0swaps

Workers running: 10

…

16.01user 22.82system 0:05.21elapsed 744%CPU (0avgtext+0avgdata 72540maxresident)k

0inputs+25240outputs (27major+191698minor)pagefaults 0swaps

Workers running: 50

…

98.56user 171.88system 1:23.62elapsed 323%CPU (0avgtext+0avgdata 73156maxresident)k

0inputs+86312outputs (284major+866101minor)pagefaults 0swaps

Workers running: 100

…

214.93user 390.73system 2:46.55elapsed 363%CPU (0avgtext+0avgdata 73888maxresident)k

0inputs+208144outputs (804major+2268858minor)pagefaults 0swaps

jm9963@zardo:~$ sh Jacob\_Miller\_bash.sh -c temp\_chr1.fa -s temp\_faq1.fastq

Workers running: 2

…

8.89user 5.97system 0:06.28elapsed 236%CPU (0avgtext+0avgdata 75792maxresident)k

0inputs+17168outputs (8major+48923minor)pagefaults 0swaps

Workers running: 5

…

13.95user 11.41system 0:05.25elapsed 482%CPU (0avgtext+0avgdata 76108maxresident)k

0inputs+20824outputs (11major+109087minor)pagefaults 0swaps

Workers running: 10

…

19.81user 18.68system 0:06.12elapsed 629%CPU (0avgtext+0avgdata 76484maxresident)k

0inputs+25240outputs (27major+197023minor)pagefaults 0swaps

Workers running: 50

…

108.98user 159.30system 1:23.59elapsed 320%CPU (0avgtext+0avgdata 76552maxresident)k

0inputs+86312outputs (300major+891662minor)pagefaults 0swaps

Workers running: 100

…

226.93user 381.94system 2:46.85elapsed 364%CPU (0avgtext+0avgdata 77800maxresident)k

0inputs+208144outputs (776major+2391894minor)pagefaults 0swaps

jm9963@zardo:~$ sh Jacob\_Miller\_bash.sh -c temp\_chr.fa -s temp\_faq.fastq

Workers running: 2

…

real 3.78

user 3.97

sys 5.47

Workers running: 5

…

real 4.14

user 8.39

sys 12.87

Workers running: 10

…

real 5.12

user 13.06

sys 17.70

Workers running: 50

…

real 84.03

user 91.71

sys 159.21

Workers running: 100

…

real 166.04

user 204.00

sys 372.58

jm9963@zardo:~$ sh Jacob\_Miller\_bash.sh -c temp\_chr1.fa -s temp\_faq1.fastq

Workers running: 2

…

real 6.15

user 9.12

sys 5.32

Workers running: 5

…

real 5.33

user 13.32

sys 12.92

Workers running: 10

…

real 5.92

user 21.15

sys 18.76

Workers running: 50

…

real 84.11

user 107.78

sys 155.88

Workers running: 100

…

real 165.82

user 231.61

sys 378.91

jm9963@zardo:~$ sh Jacob\_Miller\_bash.sh -c temp\_chr2.fa -s temp\_faq2.fastq

Workers running: 2

…

real 3.87

user 3.87

sys 5.02

Workers running: 5

…

real 4.38

user 8.37

sys 12.10

Workers running: 10

…

real 5.16

user 14.36

sys 17.49

Workers running: 50

…

real 58.03

user 89.52

sys 134.05

Workers running: 100

…

real 107.86

user 199.96

sys 319.02

Last login: Tue Sep 29 19:28:25 on ttys005

The default interactive shell is now zsh.

To update your account to use zsh, please run `chsh -s /bin/zsh`.

For more details, please visit https://support.apple.com/kb/HT208050.

(base) m-jmiller:~ jmiller$ ssh jm9963@nitron.se.rit.edu

jm9963@nitron.se.rit.edu's password:

Last login: Tue Sep 29 19:28:42 2020 from 75.69.106.11

OpenBSD 6.7 (GENERIC) #5: Tue Jul 21 13:24:31 MDT 2020

Welcome to OpenBSD: The proactively secure Unix-like operating system.

Please use the sendbug(1) utility to report bugs in the system.

Before reporting a bug, please try to reproduce it with the latest

version of the code. With bug reports, please try to ensure that

enough information to reproduce the problem is enclosed, and if a

known fix for it exists, include that as well.

-bash-5.0$ ssh jm9963@zardo.se.rit.edu

jm9963@zardo.se.rit.edu's password:

Permission denied, please try again.

jm9963@zardo.se.rit.edu's password:

Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 4.15.0-112-generic x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

System information as of Wed Sep 30 08:10:56 EDT 2020

System load: 6.68 Processes: 963

Usage of /: 0.2% of 27.12TB Users logged in: 1

Memory usage: 4% IP address for eno1: 129.21.208.98

Swap usage: 0%

\* Kubernetes 1.19 is out! Get it in one command with:

sudo snap install microk8s --channel=1.19 --classic

https://microk8s.io/ has docs and details.

\* Canonical Livepatch is available for installation.

- Reduce system reboots and improve kernel security. Activate at:

https://ubuntu.com/livepatch

65 packages can be updated.

43 updates are security updates.

New release '20.04.1 LTS' available.

Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Sep 29 19:29:23 2020 from 129.21.208.2

jm9963@zardo:~$ ls

Jacob\_Miller\_bash.sh temp\_chr1.fa temp\_faq1.fastq

Jacob\_Miller\_HW2.py temp\_chr2.fa temp\_faq2.fastq

public\_html temp\_chr.fa temp\_faq.fastq

jm9963@zardo:~$ ls -laF

total 2708

drwx--x--x 7 jm9963 student 4096 Sep 29 09:45 ./

drwxr-xr-x 628 root root 49152 Aug 31 14:25 ../

-rw------- 1 jm9963 student 9625 Sep 29 20:14 .bash\_history

drwx------ 3 jm9963 student 4096 Sep 16 14:13 .cache/

drwxr-xr-x 4 jm9963 student 4096 Sep 16 15:16 .config/

-rw-r--r-- 1 jm9963 student 264 Sep 29 09:45 Jacob\_Miller\_bash.sh

-rwxr-xr-x 1 jm9963 student 7183 Sep 27 18:51 Jacob\_Miller\_HW2.py\*

drwx------ 4 jm9963 student 4096 Sep 16 14:48 .local/

drwxr-xr-x 2 jm9963 student 4096 Aug 25 03:17 public\_html/

drwx------ 2 jm9963 student 4096 Sep 17 13:26 .ssh/

-rw-r--r-- 1 jm9963 student 509955 Sep 16 19:10 temp\_chr1.fa

-rw-r--r-- 1 jm9963 student 1019955 Sep 29 19:34 temp\_chr2.fa

-rw-r--r-- 1 jm9963 student 50955 Sep 16 17:20 temp\_chr.fa

-rw-r--r-- 1 jm9963 student 335360 Sep 16 19:11 temp\_faq1.fastq

-rw-r--r-- 1 jm9963 student 671789 Sep 29 19:35 temp\_faq2.fastq

-rw-r--r-- 1 jm9963 student 33287 Sep 27 18:26 temp\_faq.fastq

-rw------- 1 jm9963 student 8016 Sep 29 09:45 .viminfo

jm9963@zardo:~$ htop

jm9963@zardo:~$ cat Jacob\_Miller\_bash.sh

while getopts 'c:s:' OPTION; do

case "$OPTION" in

c)

chr="$OPTARG"

;;

s)

seed="$OPTARG"

esac

done

for workers in 2 5 10 50 100

do

echo "Workers running: $workers"

time -p mpiexec -n $workers python3 ./Jacob\_Miller\_HW2.py -c $chr -s $seed

done

jm9963@zardo:~$ sh Jacob\_Miller\_bash.sh -c temp\_chr.fa -s temp\_faq.fastq

Workers running: 2

--------------------------------------------------------------------------

[[54201,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr.fa

Reading in seed: temp\_faq.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Worker 1 received a msg from Master

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Master completed, GOODNIGHT!

Matches: []

Rank 1 sent message to 0

Worker 1 ending

[zardo.se.rit.edu:04006] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:04006] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 3.57

user 3.47

sys 5.58

Workers running: 5

--------------------------------------------------------------------------

[[52229,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr.fa

Reading in seed: temp\_faq.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Worker 1 received a msg from Master

Rank 0 sending to worker: 4

Worker 2 received a msg from Master

Worker 3 received a msg from Master

Worker 4 received a msg from Master

Matches: []

Rank 1 sent message to 0

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Matches: []

Rank 2 sent message to 0

Master received message from worker: 2

Master received message from worker: 2

Worker 2 finished

Matches: []

Rank 3 sent message to 0

Master received message from worker: 3

Master received message from worker: 3

Worker 3 finished

Matches: []

Rank 4 sent message to 0

Worker 4 ending

Worker 1 ending

Worker 3 ending

Master received message from worker: 4

Master received message from worker: 4

Worker 4 finished

Master completed, GOODNIGHT!

Worker 2 ending

[zardo.se.rit.edu:04122] 4 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:04122] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 4.19

user 7.90

sys 11.68

Workers running: 10

--------------------------------------------------------------------------

[[52526,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr.fa

Reading in seed: temp\_faq.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Rank 0 sending to worker: 4

Rank 0 sending to worker: 5

Rank 0 sending to worker: 6

Worker 1 received a msg from Master

Rank 0 sending to worker: 7

Worker 2 received a msg from Master

Rank 0 sending to worker: 8

Worker 3 received a msg from Master

Rank 0 sending to worker: 9

Worker 4 received a msg from Master

Worker 6 received a msg from Master

Worker 5 received a msg from Master

Worker 7 received a msg from Master

Worker 8 received a msg from Master

Worker 9 received a msg from Master

Matches: []

Rank 1 sent message to 0

Matches: []

Rank 2 sent message to 0

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Master received message from worker: 2

Master received message from worker: 2

Worker 2 finished

Matches: []

Rank 3 sent message to 0

Master received message from worker: 3

Master received message from worker: 3

Worker 3 finished

Matches: []

Rank 4 sent message to 0

Master received message from worker: 4

Master received message from worker: 4

Worker 4 finished

Matches: []

Master received message from worker: 5

Master received message from worker: 5

Worker 5 finished

Rank 5 sent message to 0

Matches: []

Rank 6 sent message to 0

Master received message from worker: 6

Master received message from worker: 6

Worker 6 finished

Matches: []

Rank 9 sent message to 0

Matches: []

Rank 8 sent message to 0

Master received message from worker: 9

Master received message from worker: 9

Worker 9 finished

Master received message from worker: 8

Master received message from worker: 8

Worker 8 finished

Matches: []

Master received message from worker: 7

Master received message from worker: 7

Worker 7 finished

Master completed, GOODNIGHT!

Rank 7 sent message to 0

Worker 8 ending

Worker 1 ending

Worker 3 ending

Worker 2 ending

Worker 5 ending

Worker 4 ending

Worker 6 ending

Worker 7 ending

Worker 9 ending

[zardo.se.rit.edu:04401] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:04401] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 5.00

user 13.55

sys 17.85

Workers running: 50

--------------------------------------------------------------------------

[[53107,1],9]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr.fa

Reading in seed: temp\_faq.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Rank 0 sending to worker: 4

Rank 0 sending to worker: 5

Worker 1 received a msg from Master

Rank 0 sending to worker: 6

Worker 2 received a msg from Master

Rank 0 sending to worker: 7

Worker 3 received a msg from Master

Rank 0 sending to worker: 8

Worker 4 received a msg from Master

Rank 0 sending to worker: 9

Worker 5 received a msg from Master

Rank 0 sending to worker: 10

Worker 6 received a msg from Master

Rank 0 sending to worker: 11

Worker 7 received a msg from Master

Rank 0 sending to worker: 12

Rank 0 sending to worker: 13

Worker 8 received a msg from Master

Matches: []

Rank 3 sent message to 0

Rank 0 sending to worker: 14

Matches: []

Rank 2 sent message to 0

Worker 9 received a msg from Master

Rank 0 sending to worker: 15

Matches: []

Worker 10 received a msg from Master

Rank 1 sent message to 0

Matches: []

Matches: []

Worker 12 received a msg from Master

Rank 4 sent message to 0

Matches: []

Matches: []

Worker 13 received a msg from Master

Rank 0 sending to worker: 16

Rank 5 sent message to 0

Worker 14 received a msg from Master

Rank 7 sent message to 0

Worker 15 received a msg from Master

Worker 11 received a msg from Master

Rank 0 sending to worker: 17

Rank 6 sent message to 0

Matches: []

Rank 8 sent message to 0

Rank 0 sending to worker: 18

Matches: []

Rank 9 sent message to 0

Worker 16 received a msg from Master

Rank 0 sending to worker: 19

Rank 0 sending to worker: 20

Matches: []

Rank 13 sent message to 0

Rank 0 sending to worker: 21

Worker 17 received a msg from Master

Matches: []

Rank 14 sent message to 0

Matches: []

Rank 10 sent message to 0

Rank 0 sending to worker: 22

Worker 18 received a msg from Master

Matches: []

Rank 12 sent message to 0

Rank 0 sending to worker: 23

Matches: []

Rank 11 sent message to 0

Worker 19 received a msg from Master

Matches: []

Rank 15 sent message to 0

Rank 0 sending to worker: 24

Worker 20 received a msg from Master

Worker 21 received a msg from Master

Matches: []

Rank 16 sent message to 0

Rank 0 sending to worker: 25

Worker 22 received a msg from Master

Rank 0 sending to worker: 26

Matches: []

Rank 17 sent message to 0

Worker 23 received a msg from Master

Matches: []

Rank 18 sent message to 0

Rank 0 sending to worker: 27

Worker 24 received a msg from Master

Rank 0 sending to worker: 28

Worker 25 received a msg from Master

Rank 0 sending to worker: 29

Matches: []

Rank 21 sent message to 0

Worker 26 received a msg from Master

Matches: []

Rank 22 sent message to 0

Rank 0 sending to worker: 30

Matches: []

Rank 19 sent message to 0

Worker 27 received a msg from Master

Matches: []

Rank 23 sent message to 0

Rank 0 sending to worker: 31

Matches: []

Rank 20 sent message to 0

Worker 28 received a msg from Master

Rank 0 sending to worker: 32

Matches: []

Rank 24 sent message to 0

Rank 0 sending to worker: 33

Worker 29 received a msg from Master

Rank 0 sending to worker: 34

Worker 30 received a msg from Master

Worker 31 received a msg from Master

Rank 0 sending to worker: 35

Matches: []

Rank 26 sent message to 0

Matches: []

Rank 25 sent message to 0

Rank 0 sending to worker: 36

Worker 32 received a msg from Master

Rank 0 sending to worker: 37

Worker 33 received a msg from Master

Matches: []

Rank 27 sent message to 0

Rank 0 sending to worker: 38

Worker 34 received a msg from Master

Rank 0 sending to worker: 39

Matches: []

Rank 28 sent message to 0

Worker 35 received a msg from Master

Rank 0 sending to worker: 40

Matches: []

Rank 29 sent message to 0

Worker 36 received a msg from Master

Rank 0 sending to worker: 41

Matches: []

Rank 31 sent message to 0

Rank 0 sending to worker: 42

Worker 37 received a msg from Master

Worker 39 received a msg from Master

Rank 0 sending to worker: 43

Worker 38 received a msg from Master

Rank 0 sending to worker: 44

Matches: []

Rank 30 sent message to 0

Worker 40 received a msg from Master

Rank 0 sending to worker: 45

Worker 41 received a msg from Master

Rank 0 sending to worker: 46

Rank 0 sending to worker: 47

Worker 43 received a msg from Master

Worker 42 received a msg from Master

Rank 0 sending to worker: 48

Worker 44 received a msg from Master

Rank 0 sending to worker: 49

Worker 45 received a msg from Master

Master received message from worker: 1

Master received message from worker: 2

Master received message from worker: 3

Master received message from worker: 4

Master received message from worker: 5

Master received message from worker: 6

Master received message from worker: 7

Master received message from worker: 8

Master received message from worker: 9

Master received message from worker: 10

Master received message from worker: 11

Master received message from worker: 12

Master received message from worker: 13

Master received message from worker: 14

Master received message from worker: 15

Master received message from worker: 16

Master received message from worker: 17

Master received message from worker: 18

Master received message from worker: 19

Master received message from worker: 20

Master received message from worker: 21

Master received message from worker: 22

Master received message from worker: 23

Master received message from worker: 24

Master received message from worker: 25

Master received message from worker: 26

Master received message from worker: 27

Master received message from worker: 28

Master received message from worker: 29

Master received message from worker: 30

Master received message from worker: 31

Master received message from worker: 1

Worker 1 finished

Master received message from worker: 2

Worker 2 finished

Worker 46 received a msg from Master

Master received message from worker: 3

Worker 3 finished

Master received message from worker: 4

Worker 4 finished

Master received message from worker: 5

Worker 5 finished

Master received message from worker: 6

Worker 6 finished

Master received message from worker: 7

Worker 7 finished

Worker 48 received a msg from Master

Master received message from worker: 8

Worker 8 finished

Master received message from worker: 9

Worker 9 finished

Master received message from worker: 10

Worker 10 finished

Master received message from worker: 11

Worker 11 finished

Master received message from worker: 12

Worker 12 finished

Master received message from worker: 13

Worker 13 finished

Master received message from worker: 14

Worker 14 finished

Master received message from worker: 15

Worker 15 finished

Master received message from worker: 16

Worker 16 finished

Master received message from worker: 17

Worker 17 finished

Master received message from worker: 18

Matches: []

Rank 33 sent message to 0

Worker 47 received a msg from Master

Worker 18 finished

Master received message from worker: 19

Worker 19 finished

Master received message from worker: 20

Worker 20 finished

Master received message from worker: 21

Worker 21 finished

Master received message from worker: 22

Worker 22 finished

Master received message from worker: 23

Worker 23 finished

Master received message from worker: 24

Worker 24 finished

Master received message from worker: 25

Worker 25 finished

Master received message from worker: 26

Worker 26 finished

Master received message from worker: 27

Worker 27 finished

Master received message from worker: 28

Worker 28 finished

Master received message from worker: 29

Worker 29 finished

Master received message from worker: 30

Worker 30 finished

Master received message from worker: 31

Worker 31 finished

Matches: []

Rank 32 sent message to 0

Master received message from worker: 33

Master received message from worker: 33

Worker 33 finished

Master received message from worker: 32

Master received message from worker: 32

Worker 32 finished

Matches: []

Rank 39 sent message to 0

Master received message from worker: 39

Master received message from worker: 39

Worker 39 finished

Worker 49 received a msg from Master

Matches: []

Rank 35 sent message to 0

Master received message from worker: 35

Master received message from worker: 35

Worker 35 finished

Matches: []

Rank 36 sent message to 0

Master received message from worker: 36

Master received message from worker: 36

Worker 36 finished

Matches: []

Rank 34 sent message to 0

Master received message from worker: 34

Master received message from worker: 34

Worker 34 finished

Matches: []

Rank 40 sent message to 0

Master received message from worker: 40

Master received message from worker: 40

Worker 40 finished

Matches: []

Matches: []

Rank 44 sent message to 0

Master received message from worker: 44

Master received message from worker: 44

Worker 44 finished

Master received message from worker: 43

Matches: []

Rank 38 sent message to 0

Rank 43 sent message to 0

Master received message from worker: 43

Worker 43 finished

Master received message from worker: 38

Master received message from worker: 38

Worker 38 finished

Matches: []

Rank 41 sent message to 0

Matches: []

Rank 42 sent message to 0

Master received message from worker: 41

Master received message from worker: 41

Worker 41 finished

Master received message from worker: 42

Master received message from worker: 42

Worker 42 finished

Matches: []

Rank 37 sent message to 0

Master received message from worker: 37

Master received message from worker: 37

Worker 37 finished

Matches: []

Rank 45 sent message to 0

Master received message from worker: 45

Master received message from worker: 45

Worker 45 finished

Matches: []

Rank 48 sent message to 0

Master received message from worker: 48

Master received message from worker: 48

Worker 48 finished

Matches: []

Rank 46 sent message to 0

Master received message from worker: 46

Master received message from worker: 46

Worker 46 finished

Matches: []

Rank 49 sent message to 0

Master received message from worker: 49

Master received message from worker: 49

Worker 49 finished

Matches: []

Rank 47 sent message to 0

Master received message from worker: 47

Master received message from worker: 47

Worker 47 finished

Master completed, GOODNIGHT!

Worker 6 ending

Worker 1 ending

Worker 4 ending

Worker 3 ending

Worker 2 ending

Worker 5 ending

Worker 7 ending

Worker 8 ending

Worker 9 ending

Worker 11 ending

Worker 16 ending

Worker 13 ending

Worker 22 ending

Worker 14 ending

Worker 23 ending

Worker 15 ending

Worker 10 ending

Worker 12 ending

Worker 49 ending

Worker 17 ending

Worker 24 ending

Worker 21 ending

Worker 19 ending

Worker 20 ending

Worker 36 ending

Worker 40 ending

Worker 27 ending

Worker 34 ending

Worker 28 ending

Worker 29 ending

Worker 39 ending

Worker 43 ending

Worker 37 ending

Worker 30 ending

Worker 42 ending

Worker 44 ending

Worker 41 ending

Worker 38 ending

Worker 45 ending

Worker 46 ending

Worker 33 ending

Worker 48 ending

Worker 35 ending

Worker 47 ending

Worker 18 ending

Worker 25 ending

Worker 26 ending

Worker 31 ending

Worker 32 ending

[zardo.se.rit.edu:04972] 49 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:04972] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 59.76

user 79.54

sys 120.22

Workers running: 100

--------------------------------------------------------------------------

[[49674,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr.fa

Reading in seed: temp\_faq.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Rank 0 sending to worker: 4

Rank 0 sending to worker: 5

Rank 0 sending to worker: 6

Worker 1 received a msg from Master

Rank 0 sending to worker: 7

Rank 0 sending to worker: 8

Worker 2 received a msg from Master

Rank 0 sending to worker: 9

Rank 0 sending to worker: 10

Rank 0 sending to worker: 11

Rank 0 sending to worker: 12

Rank 0 sending to worker: 13

Matches: []

Rank 1 sent message to 0

Rank 0 sending to worker: 14

Matches: []

Rank 2 sent message to 0

Rank 0 sending to worker: 15

Worker 7 received a msg from Master

Worker 8 received a msg from Master

Rank 0 sending to worker: 16

Worker 6 received a msg from Master

Rank 0 sending to worker: 17

Worker 11 received a msg from Master

Worker 12 received a msg from Master

Worker 13 received a msg from Master

Worker 14 received a msg from Master

Worker 4 received a msg from Master

Rank 0 sending to worker: 18

Worker 15 received a msg from Master

Worker 16 received a msg from Master

Matches: []

Matches: []

Worker 9 received a msg from Master

Rank 0 sending to worker: 19

Rank 0 sending to worker: 20

Rank 8 sent message to 0

Worker 5 received a msg from Master

Worker 17 received a msg from Master

Matches: []

Matches: []

Rank 7 sent message to 0

Rank 14 sent message to 0

Rank 0 sending to worker: 21

Rank 6 sent message to 0

Matches: []

Matches: []

Matches: []

Rank 9 sent message to 0

Worker 3 received a msg from Master

Matches: []

Rank 16 sent message to 0

Rank 0 sending to worker: 22

Worker 10 received a msg from Master

Matches: []

Rank 4 sent message to 0

Matches: []

Rank 11 sent message to 0

Rank 13 sent message to 0

Matches: []

Rank 15 sent message to 0

Worker 18 received a msg from Master

Worker 19 received a msg from Master

Worker 20 received a msg from Master

Rank 0 sending to worker: 23

Rank 0 sending to worker: 24

Rank 0 sending to worker: 25

Worker 21 received a msg from Master

Matches: []

Rank 5 sent message to 0

Matches: []

Rank 17 sent message to 0

Rank 0 sending to worker: 26

Rank 0 sending to worker: 27

Worker 22 received a msg from Master

Worker 23 received a msg from Master

Matches: []

Rank 3 sent message to 0

Matches: []

Rank 20 sent message to 0

Matches: []

Rank 10 sent message to 0

Rank 12 sent message to 0

Matches: []

Rank 19 sent message to 0

Rank 0 sending to worker: 28

Worker 24 received a msg from Master

Matches: []

Rank 21 sent message to 0

Matches: []

Rank 18 sent message to 0

Rank 0 sending to worker: 29

Rank 0 sending to worker: 30

Rank 0 sending to worker: 31

Worker 25 received a msg from Master

Worker 26 received a msg from Master

Worker 27 received a msg from Master

Worker 28 received a msg from Master

Matches: []

Rank 23 sent message to 0

Matches: []

Rank 24 sent message to 0

Matches: []

Rank 22 sent message to 0

Rank 0 sending to worker: 32

Rank 0 sending to worker: 33

Rank 0 sending to worker: 34

Worker 29 received a msg from Master

Worker 30 received a msg from Master

Matches: []

Rank 25 sent message to 0

Rank 0 sending to worker: 35

Matches: []

Rank 28 sent message to 0

Matches: []

Rank 30 sent message to 0

Matches: []

Rank 26 sent message to 0

Matches: []

Rank 27 sent message to 0

Worker 31 received a msg from Master

Worker 32 received a msg from Master

Worker 33 received a msg from Master

Rank 0 sending to worker: 36

Rank 0 sending to worker: 37

Rank 0 sending to worker: 38

Matches: []

Rank 29 sent message to 0

Worker 34 received a msg from Master

Worker 35 received a msg from Master

Worker 36 received a msg from Master

Rank 0 sending to worker: 39

Rank 0 sending to worker: 40

Rank 0 sending to worker: 41

Rank 0 sending to worker: 42

Matches: []

Rank 31 sent message to 0

Worker 37 received a msg from Master

Rank 0 sending to worker: 43

Matches: []

Rank 32 sent message to 0

Worker 38 received a msg from Master

Matches: []

Rank 33 sent message to 0

Rank 0 sending to worker: 44

Worker 39 received a msg from Master

Worker 40 received a msg from Master

Rank 0 sending to worker: 45

Matches: []

Rank 36 sent message to 0

Matches: []

Rank 34 sent message to 0

Matches: []

Rank 35 sent message to 0

Worker 41 received a msg from Master

Rank 0 sending to worker: 46

Rank 0 sending to worker: 47

Rank 0 sending to worker: 48

Rank 0 sending to worker: 49

Matches: []

Rank 38 sent message to 0

Matches: []

Rank 37 sent message to 0

Worker 42 received a msg from Master

Worker 43 received a msg from Master

Worker 44 received a msg from Master

Rank 0 sending to worker: 50

Worker 45 received a msg from Master

Worker 46 received a msg from Master

Matches: []

Rank 39 sent message to 0

Rank 0 sending to worker: 51

Matches: []

Rank 40 sent message to 0

Rank 0 sending to worker: 52

Rank 0 sending to worker: 53

Worker 47 received a msg from Master

Matches: []

Rank 41 sent message to 0

Worker 48 received a msg from Master

Worker 49 received a msg from Master

Matches: []

Rank 42 sent message to 0

Matches: []

Rank 43 sent message to 0

Rank 0 sending to worker: 54

Matches: []

Rank 44 sent message to 0

Rank 0 sending to worker: 55

Worker 50 received a msg from Master

Worker 51 received a msg from Master

Rank 0 sending to worker: 56

Matches: []

Rank 46 sent message to 0

Worker 52 received a msg from Master

Rank 0 sending to worker: 57

Matches: []

Rank 49 sent message to 0

Matches: []

Rank 45 sent message to 0

Worker 53 received a msg from Master

Matches: []

Rank 47 sent message to 0

Rank 0 sending to worker: 58

Matches: []

Rank 48 sent message to 0

Worker 54 received a msg from Master

Rank 0 sending to worker: 59

Worker 55 received a msg from Master

Rank 0 sending to worker: 60

Worker 56 received a msg from Master

Rank 0 sending to worker: 61

Matches: []

Rank 51 sent message to 0

Matches: []

Rank 50 sent message to 0

Worker 57 received a msg from Master

Matches: []

Rank 52 sent message to 0

Rank 0 sending to worker: 62

Worker 58 received a msg from Master

Matches: []

Rank 53 sent message to 0

Rank 0 sending to worker: 63

Matches: []

Rank 55 sent message to 0

Worker 59 received a msg from Master

Matches: []

Rank 54 sent message to 0

Rank 0 sending to worker: 64

Worker 60 received a msg from Master

Rank 0 sending to worker: 65

Worker 61 received a msg from Master

Matches: []

Rank 56 sent message to 0

Rank 0 sending to worker: 66

Worker 62 received a msg from Master

Matches: []

Rank 57 sent message to 0

Rank 0 sending to worker: 67

Worker 63 received a msg from Master

Rank 0 sending to worker: 68

Rank 0 sending to worker: 69

Rank 0 sending to worker: 70

Rank 0 sending to worker: 71

Rank 0 sending to worker: 72

Rank 0 sending to worker: 73

Worker 64 received a msg from Master

Matches: []

Rank 64 sent message to 0

Worker 65 received a msg from Master

Worker 66 received a msg from Master

Worker 67 received a msg from Master

Worker 68 received a msg from Master

Matches: []

Rank 63 sent message to 0

Matches: []

Rank 58 sent message to 0

Matches: []

Rank 62 sent message to 0

Matches: []

Rank 59 sent message to 0

Matches: []

Rank 61 sent message to 0

Matches: []

Rank 60 sent message to 0

Rank 0 sending to worker: 74

Worker 69 received a msg from Master

Worker 70 received a msg from Master

Rank 0 sending to worker: 75

Matches: []

Rank 65 sent message to 0

Worker 71 received a msg from Master

Worker 72 received a msg from Master

Rank 0 sending to worker: 76

Matches: []

Rank 68 sent message to 0

Matches: []

Rank 66 sent message to 0

Matches: []

Rank 67 sent message to 0

Worker 73 received a msg from Master

Worker 74 received a msg from Master

Rank 0 sending to worker: 77

Rank 0 sending to worker: 78

Rank 0 sending to worker: 79

Worker 75 received a msg from Master

Rank 0 sending to worker: 80

Rank 0 sending to worker: 81

Matches: []

Rank 72 sent message to 0

Matches: []

Rank 70 sent message to 0

Matches: []

Rank 69 sent message to 0

Worker 76 received a msg from Master

Rank 0 sending to worker: 82

Matches: []

Rank 71 sent message to 0

Worker 77 received a msg from Master

Rank 0 sending to worker: 83

Worker 78 received a msg from Master

Worker 79 received a msg from Master

Matches: []

Rank 73 sent message to 0

Rank 0 sending to worker: 84

Matches: []

Rank 74 sent message to 0

Worker 80 received a msg from Master

Rank 0 sending to worker: 85

Matches: []

Rank 75 sent message to 0

Worker 81 received a msg from Master

Rank 0 sending to worker: 86

Matches: []

Rank 76 sent message to 0

Worker 82 received a msg from Master

Rank 0 sending to worker: 87

Worker 83 received a msg from Master

Rank 0 sending to worker: 88

Matches: []

Rank 77 sent message to 0

Worker 84 received a msg from Master

Rank 0 sending to worker: 89

Matches: []

Rank 78 sent message to 0

Worker 85 received a msg from Master

Matches: []

Rank 79 sent message to 0

Rank 0 sending to worker: 90

Matches: []

Rank 80 sent message to 0

Matches: []

Rank 82 sent message to 0

Matches: []

Rank 84 sent message to 0

Matches: []

Rank 85 sent message to 0

Matches: []

Rank 81 sent message to 0

Matches: []

Rank 83 sent message to 0

Worker 86 received a msg from Master

Matches: []

Rank 86 sent message to 0

Worker 87 received a msg from Master

Worker 88 received a msg from Master

Worker 89 received a msg from Master

Worker 90 received a msg from Master

Matches: []

Rank 90 sent message to 0

Worker 91 received a msg from Master

Worker 92 received a msg from Master

Rank 0 sending to worker: 91

Rank 0 sending to worker: 92

Rank 0 sending to worker: 93

Rank 0 sending to worker: 94

Rank 0 sending to worker: 95

Rank 0 sending to worker: 96

Matches: []

Rank 87 sent message to 0

Rank 0 sending to worker: 97

Matches: []

Rank 88 sent message to 0

Worker 93 received a msg from Master

Rank 0 sending to worker: 98

Matches: []

Rank 89 sent message to 0

Matches: []

Rank 91 sent message to 0

Worker 94 received a msg from Master

Worker 95 received a msg from Master

Worker 96 received a msg from Master

Worker 97 received a msg from Master

Rank 0 sending to worker: 99

Master received message from worker: 1

Master received message from worker: 2

Master received message from worker: 3

Master received message from worker: 4

Master received message from worker: 5

Master received message from worker: 6

Master received message from worker: 7

Master received message from worker: 8

Master received message from worker: 9

Master received message from worker: 10

Master received message from worker: 11

Master received message from worker: 12

Master received message from worker: 13

Master received message from worker: 14

Master received message from worker: 15

Master received message from worker: 16

Master received message from worker: 17

Master received message from worker: 18

Master received message from worker: 19

Master received message from worker: 20

Master received message from worker: 21

Master received message from worker: 22

Master received message from worker: 23

Master received message from worker: 24

Master received message from worker: 25

Master received message from worker: 26

Master received message from worker: 27

Master received message from worker: 28

Master received message from worker: 29

Master received message from worker: 30

Master received message from worker: 31

Master received message from worker: 32

Master received message from worker: 33

Master received message from worker: 34

Master received message from worker: 35

Master received message from worker: 36

Master received message from worker: 37

Master received message from worker: 38

Master received message from worker: 39

Master received message from worker: 40

Master received message from worker: 41

Master received message from worker: 42

Master received message from worker: 43

Master received message from worker: 44

Master received message from worker: 45

Master received message from worker: 46

Master received message from worker: 47

Master received message from worker: 48

Master received message from worker: 49

Master received message from worker: 50

Master received message from worker: 51

Master received message from worker: 52

Master received message from worker: 53

Master received message from worker: 54

Master received message from worker: 55

Master received message from worker: 56

Master received message from worker: 57

Master received message from worker: 58

Master received message from worker: 59

Master received message from worker: 60

Master received message from worker: 61

Master received message from worker: 62

Master received message from worker: 63

Master received message from worker: 64

Master received message from worker: 65

Master received message from worker: 66

Master received message from worker: 67

Master received message from worker: 68

Master received message from worker: 69

Master received message from worker: 70

Master received message from worker: 71

Master received message from worker: 72

Master received message from worker: 73

Master received message from worker: 74

Master received message from worker: 75

Master received message from worker: 76

Master received message from worker: 77

Master received message from worker: 78

Master received message from worker: 79

Master received message from worker: 80

Master received message from worker: 81

Master received message from worker: 82

Master received message from worker: 83

Master received message from worker: 84

Master received message from worker: 85

Master received message from worker: 86

Master received message from worker: 87

Master received message from worker: 88

Master received message from worker: 89

Master received message from worker: 90

Master received message from worker: 1

Worker 1 finished

Master received message from worker: 2

Worker 2 finished

Master received message from worker: 3

Worker 3 finished

Master received message from worker: 4

Worker 4 finished

Master received message from worker: 5

Worker 5 finished

Master received message from worker: 6

Worker 6 finished

Matches: []

Rank 92 sent message to 0

Worker 98 received a msg from Master

Worker 99 received a msg from Master

Master received message from worker: 7

Worker 7 finished

Master received message from worker: 8

Worker 8 finished

Master received message from worker: 9

Worker 9 finished

Master received message from worker: 10

Worker 10 finished

Master received message from worker: 11

Worker 11 finished

Master received message from worker: 12

Worker 12 finished

Master received message from worker: 13

Worker 13 finished

Master received message from worker: 14

Worker 14 finished

Master received message from worker: 15

Worker 15 finished

Master received message from worker: 16

Worker 16 finished

Master received message from worker: 17

Worker 17 finished

Master received message from worker: 18

Worker 18 finished

Master received message from worker: 19

Worker 19 finished

Master received message from worker: 20

Worker 20 finished

Master received message from worker: 21

Worker 21 finished

Master received message from worker: 22

Worker 22 finished

Master received message from worker: 23

Worker 23 finished

Master received message from worker: 24

Worker 24 finished

Master received message from worker: 25

Worker 25 finished

Master received message from worker: 26

Worker 26 finished

Master received message from worker: 27

Worker 27 finished

Master received message from worker: 28

Worker 28 finished

Master received message from worker: 29

Worker 29 finished

Master received message from worker: 30

Worker 30 finished

Master received message from worker: 31

Worker 31 finished

Master received message from worker: 32

Worker 32 finished

Master received message from worker: 33

Worker 33 finished

Matches: []

Rank 93 sent message to 0

Matches: []

Rank 94 sent message to 0

Matches: []

Rank 95 sent message to 0

Matches: []

Rank 96 sent message to 0

Master received message from worker: 34

Worker 34 finished

Master received message from worker: 35

Worker 35 finished

Master received message from worker: 36

Worker 36 finished

Master received message from worker: 37

Worker 37 finished

Master received message from worker: 38

Worker 38 finished

Master received message from worker: 39

Worker 39 finished

Master received message from worker: 40

Worker 40 finished

Master received message from worker: 41

Worker 41 finished

Master received message from worker: 42

Worker 42 finished

Master received message from worker: 43

Worker 43 finished

Master received message from worker: 44

Worker 44 finished

Master received message from worker: 45

Worker 45 finished

Master received message from worker: 46

Worker 46 finished

Master received message from worker: 47

Worker 47 finished

Master received message from worker: 48

Worker 48 finished

Master received message from worker: 49

Worker 49 finished

Master received message from worker: 50

Worker 50 finished

Master received message from worker: 51

Worker 51 finished

Master received message from worker: 52

Worker 52 finished

Master received message from worker: 53

Worker 53 finished

Master received message from worker: 54

Worker 54 finished

Master received message from worker: 55

Worker 55 finished

Master received message from worker: 56

Worker 56 finished

Master received message from worker: 57

Worker 57 finished

Master received message from worker: 58

Worker 58 finished

Master received message from worker: 59

Worker 59 finished

Master received message from worker: 60

Worker 60 finished

Master received message from worker: 61

Worker 61 finished

Master received message from worker: 62

Worker 62 finished

Master received message from worker: 63

Worker 63 finished

Master received message from worker: 64

Worker 64 finished

Master received message from worker: 65

Worker 65 finished

Master received message from worker: 66

Worker 66 finished

Master received message from worker: 67

Worker 67 finished

Master received message from worker: 68

Worker 68 finished

Master received message from worker: 69

Worker 69 finished

Master received message from worker: 70

Worker 70 finished

Master received message from worker: 71

Worker 71 finished

Master received message from worker: 72

Worker 72 finished

Master received message from worker: 73

Worker 73 finished

Master received message from worker: 74

Worker 74 finished

Master received message from worker: 75

Worker 75 finished

Master received message from worker: 76

Worker 76 finished

Master received message from worker: 77

Worker 77 finished

Master received message from worker: 78

Worker 78 finished

Master received message from worker: 79

Worker 79 finished

Master received message from worker: 80

Worker 80 finished

Master received message from worker: 81

Worker 81 finished

Master received message from worker: 82

Worker 82 finished

Master received message from worker: 83

Worker 83 finished

Master received message from worker: 84

Worker 84 finished

Master received message from worker: 85

Worker 85 finished

Master received message from worker: 86

Worker 86 finished

Master received message from worker: 87

Worker 87 finished

Master received message from worker: 88

Worker 88 finished

Master received message from worker: 89

Worker 89 finished

Master received message from worker: 90

Worker 90 finished

Master received message from worker: 91

Master received message from worker: 91

Worker 91 finished

Master received message from worker: 92

Master received message from worker: 93

Master received message from worker: 94

Master received message from worker: 95

Master received message from worker: 96

Master received message from worker: 92

Worker 92 finished

Master received message from worker: 93

Worker 93 finished

Master received message from worker: 94

Worker 94 finished

Master received message from worker: 95

Worker 95 finished

Master received message from worker: 96

Worker 96 finished

Matches: []

Rank 97 sent message to 0

Matches: []

Rank 98 sent message to 0

Master received message from worker: 98

Master received message from worker: 98

Worker 98 finished

Master received message from worker: 97

Master received message from worker: 97

Worker 97 finished

Matches: []

Rank 99 sent message to 0

Master received message from worker: 99

Master received message from worker: 99

Worker 99 finished

Master completed, GOODNIGHT!

Worker 1 ending

Worker 2 ending

Worker 5 ending

Worker 8 ending

Worker 7 ending

Worker 3 ending

Worker 4 ending

Worker 6 ending

Worker 9 ending

Worker 14 ending

Worker 16 ending

Worker 20 ending

Worker 10 ending

Worker 11 ending

Worker 13 ending

Worker 15 ending

Worker 19 ending

Worker 24 ending

Worker 30 ending

Worker 26 ending

Worker 25 ending

Worker 33 ending

Worker 34 ending

Worker 31 ending

Worker 47 ending

Worker 49 ending

Worker 53 ending

Worker 60 ending

Worker 72 ending

Worker 85 ending

Worker 71 ending

Worker 73 ending

Worker 74 ending

Worker 86 ending

Worker 90 ending

Worker 93 ending

Worker 94 ending

Worker 95 ending

Worker 92 ending

Worker 97 ending

Worker 44 ending

Worker 21 ending

Worker 17 ending

Worker 18 ending

Worker 22 ending

Worker 28 ending

Worker 63 ending

Worker 27 ending

Worker 38 ending

Worker 29 ending

Worker 36 ending

Worker 32 ending

Worker 40 ending

Worker 58 ending

Worker 35 ending

Worker 37 ending

Worker 42 ending

Worker 39 ending

Worker 43 ending

Worker 41 ending

Worker 62 ending

Worker 52 ending

Worker 51 ending

Worker 46 ending

Worker 45 ending

Worker 48 ending

Worker 54 ending

Worker 59 ending

Worker 50 ending

Worker 55 ending

Worker 61 ending

Worker 56 ending

Worker 57 ending

Worker 99 ending

Worker 64 ending

Worker 66 ending

Worker 65 ending

Worker 82 ending

Worker 67 ending

Worker 84 ending

Worker 79 ending

Worker 75 ending

Worker 76 ending

Worker 81 ending

Worker 77 ending

Worker 78 ending

Worker 83 ending

Worker 87 ending

Worker 96 ending

Worker 98 ending

Worker 89 ending

Worker 88 ending

Worker 91 ending

Worker 80 ending

Worker 69 ending

Worker 68 ending

Worker 23 ending

Worker 70 ending

Worker 12 ending

[zardo.se.rit.edu:07701] 99 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:07701] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 114.61

user 209.66

sys 336.56

jm9963@zardo:~$ sh Jacob\_Miller\_bash.sh -c temp\_chr1.fa -s temp\_faq1.fastq

Workers running: 2

--------------------------------------------------------------------------

[[60389,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr1.fa

Reading in seed: temp\_faq1.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Worker 1 received a msg from Master

Matches: []

Rank 1 sent message to 0

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Master completed, GOODNIGHT!

Worker 1 ending

[zardo.se.rit.edu:14330] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:14330] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 6.28

user 8.62

sys 5.81

Workers running: 5

--------------------------------------------------------------------------

[[58479,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr1.fa

Reading in seed: temp\_faq1.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Worker 1 received a msg from Master

Rank 0 sending to worker: 4

Worker 2 received a msg from Master

Worker 4 received a msg from Master

Worker 3 received a msg from Master

Master received message from worker: 2

Master received message from worker: 2

Worker 2 finished

Matches: []

Rank 2 sent message to 0

Matches: []

Master received message from worker: 4

Master received message from worker: 4

Worker 4 finished

Rank 4 sent message to 0

Matches: []

Rank 1 sent message to 0

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Worker 4 ending

Matches: []

Rank 3 sent message to 0

Worker 3 ending

Worker 2 ending

Worker 1 ending

Master received message from worker: 3

Master received message from worker: 3

Worker 3 finished

Master completed, GOODNIGHT!

[zardo.se.rit.edu:14448] 4 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:14448] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 5.30

user 13.46

sys 11.75

Workers running: 10

--------------------------------------------------------------------------

[[58777,1],4]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr1.fa

Reading in seed: temp\_faq1.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Worker 1 received a msg from Master

Rank 0 sending to worker: 4

Worker 2 received a msg from Master

Rank 0 sending to worker: 5

Worker 3 received a msg from Master

Rank 0 sending to worker: 6

Rank 0 sending to worker: 7

Worker 4 received a msg from Master

Rank 0 sending to worker: 8

Worker 5 received a msg from Master

Rank 0 sending to worker: 9

Worker 6 received a msg from Master

Worker 7 received a msg from Master

Worker 8 received a msg from Master

Worker 9 received a msg from Master

Matches: []

Rank 3 sent message to 0

Master received message from worker: 3

Master received message from worker: 3

Worker 3 finished

Matches: []

Rank 5 sent message to 0

Master received message from worker: 5

Master received message from worker: 5

Worker 5 finished

Matches: []

Rank 9 sent message to 0

Master received message from worker: 9

Master received message from worker: 9

Worker 9 finished

Matches: []

Rank 1 sent message to 0

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Matches: []

Rank 2 sent message to 0

Master received message from worker: 2

Master received message from worker: 2

Worker 2 finished

Matches: []

Rank 6 sent message to 0

Master received message from worker: 6

Master received message from worker: 6

Worker 6 finished

Matches: []

Rank 7 sent message to 0

Master received message from worker: 7

Master received message from worker: 7

Worker 7 finished

Matches: []

Rank 4 sent message to 0

Master received message from worker: 4

Master received message from worker: 4

Worker 4 finished

Worker 1 ending

Worker 2 ending

Worker 9 ending

Worker 4 ending

Worker 5 ending

Worker 3 ending

Worker 6 ending

Worker 7 ending

Matches: []

Rank 8 sent message to 0

Worker 8 ending

Master received message from worker: 8

Master received message from worker: 8

Worker 8 finished

Master completed, GOODNIGHT!

[zardo.se.rit.edu:14726] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:14726] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 5.66

user 19.54

sys 16.98

Workers running: 50

--------------------------------------------------------------------------

[[59314,1],4]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr1.fa

Reading in seed: temp\_faq1.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Worker 1 received a msg from Master

Rank 0 sending to worker: 4

Worker 2 received a msg from Master

Rank 0 sending to worker: 5

Worker 3 received a msg from Master

Rank 0 sending to worker: 6

Worker 4 received a msg from Master

Rank 0 sending to worker: 7

Worker 5 received a msg from Master

Rank 0 sending to worker: 8

Worker 6 received a msg from Master

Rank 0 sending to worker: 9

Worker 7 received a msg from Master

Rank 0 sending to worker: 10

Worker 8 received a msg from Master

Rank 0 sending to worker: 11

Worker 9 received a msg from Master

Rank 0 sending to worker: 12

Worker 10 received a msg from Master

Rank 0 sending to worker: 13

Worker 11 received a msg from Master

Rank 0 sending to worker: 14

Worker 12 received a msg from Master

Rank 0 sending to worker: 15

Worker 13 received a msg from Master

Rank 0 sending to worker: 16

Worker 14 received a msg from Master

Rank 0 sending to worker: 17

Worker 15 received a msg from Master

Rank 0 sending to worker: 18

Worker 16 received a msg from Master

Rank 0 sending to worker: 19

Worker 17 received a msg from Master

Matches: []

Rank 1 sent message to 0

Rank 0 sending to worker: 20

Worker 18 received a msg from Master

Rank 0 sending to worker: 21

Matches: []

Rank 2 sent message to 0

Worker 19 received a msg from Master

Rank 0 sending to worker: 22

Worker 20 received a msg from Master

Rank 0 sending to worker: 23

Worker 21 received a msg from Master

Rank 0 sending to worker: 24

Worker 22 received a msg from Master

Rank 0 sending to worker: 25

Worker 23 received a msg from Master

Rank 0 sending to worker: 26

Worker 24 received a msg from Master

Rank 0 sending to worker: 27

Worker 25 received a msg from Master

Rank 0 sending to worker: 28

Worker 26 received a msg from Master

Rank 0 sending to worker: 29

Worker 27 received a msg from Master

Rank 0 sending to worker: 30

Worker 28 received a msg from Master

Rank 0 sending to worker: 31

Worker 29 received a msg from Master

Rank 0 sending to worker: 32

Worker 30 received a msg from Master

Rank 0 sending to worker: 33

Worker 31 received a msg from Master

Rank 0 sending to worker: 34

Worker 32 received a msg from Master

Rank 0 sending to worker: 35

Worker 33 received a msg from Master

Rank 0 sending to worker: 36

Worker 34 received a msg from Master

Rank 0 sending to worker: 37

Worker 35 received a msg from Master

Rank 0 sending to worker: 38

Worker 36 received a msg from Master

Rank 0 sending to worker: 39

Worker 37 received a msg from Master

Rank 0 sending to worker: 40

Worker 38 received a msg from Master

Rank 0 sending to worker: 41

Worker 39 received a msg from Master

Rank 0 sending to worker: 42

Worker 40 received a msg from Master

Rank 0 sending to worker: 43

Worker 41 received a msg from Master

Rank 0 sending to worker: 44

Worker 42 received a msg from Master

Rank 0 sending to worker: 45

Worker 43 received a msg from Master

Rank 0 sending to worker: 46

Worker 44 received a msg from Master

Rank 0 sending to worker: 47

Worker 45 received a msg from Master

Rank 0 sending to worker: 48

Worker 46 received a msg from Master

Rank 0 sending to worker: 49

Worker 47 received a msg from Master

Master received message from worker: 1

Master received message from worker: 2

Master received message from worker: 1

Worker 1 finished

Master received message from worker: 2

Worker 2 finished

Worker 48 received a msg from Master

Worker 49 received a msg from Master

Matches: []

Rank 3 sent message to 0

Master received message from worker: 3

Master received message from worker: 3

Worker 3 finished

Matches: []

Rank 4 sent message to 0

Master received message from worker: 4

Master received message from worker: 4

Worker 4 finished

Matches: []

Rank 10 sent message to 0

Master received message from worker: 10

Master received message from worker: 10

Worker 10 finished

Matches: []

Rank 5 sent message to 0

Master received message from worker: 5

Master received message from worker: 5

Worker 5 finished

Matches: []

Rank 8 sent message to 0

Master received message from worker: 8

Master received message from worker: 8

Worker 8 finished

Matches: []

Rank 13 sent message to 0

Master received message from worker: 13

Master received message from worker: 13

Worker 13 finished

Matches: []

Rank 6 sent message to 0

Master received message from worker: 6

Master received message from worker: 6

Worker 6 finished

Matches: []

Master received message from worker: 20

Master received message from worker: 20

Worker 20 finished

Rank 20 sent message to 0

Matches: []

Master received message from worker: 17

Master received message from worker: 17

Worker 17 finished

Rank 17 sent message to 0

Matches: []

Master received message from worker: 9

Master received message from worker: 9

Worker 9 finished

Rank 9 sent message to 0

Matches: []

Rank 18 sent message to 0

Master received message from worker: 18

Master received message from worker: 18

Worker 18 finished

Matches: []

Master received message from worker: 14

Master received message from worker: 14

Worker 14 finished

Rank 14 sent message to 0

Matches: []

Master received message from worker: 19

Master received message from worker: 19

Worker 19 finished

Rank 19 sent message to 0

Matches: []

Rank 24 sent message to 0

Master received message from worker: 24

Master received message from worker: 24

Worker 24 finished

Matches: []

Rank 27 sent message to 0

Master received message from worker: 27

Master received message from worker: 27

Worker 27 finished

Matches: []

Rank 25 sent message to 0

Master received message from worker: 25

Master received message from worker: 25

Worker 25 finished

Matches: []

Rank 16 sent message to 0

Master received message from worker: 16

Master received message from worker: 16

Worker 16 finished

Matches: []

Rank 23 sent message to 0

Master received message from worker: 23

Master received message from worker: 23

Worker 23 finished

Matches: []

Master received message from worker: 12

Master received message from worker: 12

Worker 12 finished

Rank 12 sent message to 0

Matches: []

Rank 26 sent message to 0

Master received message from worker: 26

Master received message from worker: 26

Worker 26 finished

Matches: []

Rank 30 sent message to 0

Master received message from worker: 30

Master received message from worker: 30

Worker 30 finished

Matches: []

Rank 31 sent message to 0

Master received message from worker: 31

Master received message from worker: 31

Worker 31 finished

Matches: []

Master received message from worker: 34

Master received message from worker: 34

Worker 34 finished

Rank 34 sent message to 0

Matches: []

Rank 7 sent message to 0

Master received message from worker: 7

Master received message from worker: 7

Worker 7 finished

Matches: []

Rank 33 sent message to 0

Master received message from worker: 33

Master received message from worker: 33

Worker 33 finished

Matches: []

Rank 28 sent message to 0

Master received message from worker: 28

Master received message from worker: 28

Worker 28 finished

Matches: []

Rank 43 sent message to 0

Master received message from worker: 43

Master received message from worker: 43

Worker 43 finished

Matches: []

Rank 37 sent message to 0

Master received message from worker: 37

Master received message from worker: 37

Worker 37 finished

Matches: []

Rank 29 sent message to 0

Master received message from worker: 29

Master received message from worker: 29

Worker 29 finished

Matches: []

Rank 38 sent message to 0

Master received message from worker: 38

Master received message from worker: 38

Worker 38 finished

Matches: []

Rank 32 sent message to 0

Master received message from worker: 32

Master received message from worker: 32

Worker 32 finished

Matches: []

Master received message from worker: 35

Master received message from worker: 35

Worker 35 finished

Rank 35 sent message to 0

Matches: []

Master received message from worker: 11

Master received message from worker: 11

Worker 11 finished

Rank 11 sent message to 0

Matches: []

Master received message from worker: 22

Master received message from worker: 22

Worker 22 finished

Rank 22 sent message to 0

Matches: []

Rank 45 sent message to 0

Master received message from worker: 45

Master received message from worker: 45

Worker 45 finished

Matches: []

Master received message from worker: 47

Master received message from worker: 47

Worker 47 finished

Rank 47 sent message to 0

Matches: []

Rank 40 sent message to 0

Master received message from worker: 40

Master received message from worker: 40

Worker 40 finished

Matches: []

Rank 36 sent message to 0

Master received message from worker: 36

Master received message from worker: 36

Worker 36 finished

Matches: []

Rank 48 sent message to 0

Master received message from worker: 48

Master received message from worker: 48

Worker 48 finished

Matches: []

Rank 15 sent message to 0

Master received message from worker: 15

Master received message from worker: 15

Worker 15 finished

Matches: []

Rank 49 sent message to 0

Master received message from worker: 49

Master received message from worker: 49

Worker 49 finished

Matches: []

Rank 39 sent message to 0

Master received message from worker: 39

Master received message from worker: 39

Worker 39 finished

Matches: []

Master received message from worker: 21

Master received message from worker: 21

Worker 21 finished

Rank 21 sent message to 0

Matches: []

Rank 46 sent message to 0

Master received message from worker: 46

Master received message from worker: 46

Worker 46 finished

Matches: []

Rank 41 sent message to 0

Master received message from worker: 41

Master received message from worker: 41

Worker 41 finished

Matches: []

Rank 44 sent message to 0

Master received message from worker: 44

Master received message from worker: 44

Worker 44 finished

Matches: []

Rank 42 sent message to 0

Master received message from worker: 42

Master received message from worker: 42

Worker 42 finished

Master completed, GOODNIGHT!

Worker 3 ending

Worker 4 ending

Worker 5 ending

Worker 6 ending

Worker 8 ending

Worker 1 ending

Worker 9 ending

Worker 2 ending

Worker 7 ending

Worker 10 ending

Worker 11 ending

Worker 19 ending

Worker 38 ending

Worker 20 ending

Worker 14 ending

Worker 49 ending

Worker 34 ending

Worker 17 ending

Worker 35 ending

Worker 26 ending

Worker 13 ending

Worker 24 ending

Worker 15 ending

Worker 16 ending

Worker 18 ending

Worker 46 ending

Worker 23 ending

Worker 25 ending

Worker 12 ending

Worker 27 ending

Worker 28 ending

Worker 29 ending

Worker 30 ending

Worker 31 ending

Worker 32 ending

Worker 33 ending

Worker 45 ending

Worker 36 ending

Worker 37 ending

Worker 39 ending

Worker 47 ending

Worker 41 ending

Worker 42 ending

Worker 43 ending

Worker 44 ending

Worker 22 ending

Worker 21 ending

Worker 40 ending

Worker 48 ending

[zardo.se.rit.edu:15277] 49 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:15277] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 60.27

user 109.31

sys 137.86

Workers running: 100

--------------------------------------------------------------------------

[[39510,1],15]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr1.fa

Reading in seed: temp\_faq1.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Worker 1 received a msg from Master

Rank 0 sending to worker: 4

Worker 2 received a msg from Master

Rank 0 sending to worker: 5

Worker 3 received a msg from Master

Rank 0 sending to worker: 6

Worker 4 received a msg from Master

Rank 0 sending to worker: 7

Worker 5 received a msg from Master

Rank 0 sending to worker: 8

Worker 6 received a msg from Master

Rank 0 sending to worker: 9

Worker 7 received a msg from Master

Rank 0 sending to worker: 10

Worker 8 received a msg from Master

Rank 0 sending to worker: 11

Worker 9 received a msg from Master

Rank 0 sending to worker: 12

Worker 10 received a msg from Master

Rank 0 sending to worker: 13

Matches: []

Rank 1 sent message to 0

Worker 11 received a msg from Master

Rank 0 sending to worker: 14

Matches: []

Rank 2 sent message to 0

Worker 12 received a msg from Master

Rank 0 sending to worker: 15

Matches: []

Rank 3 sent message to 0

Worker 13 received a msg from Master

Rank 0 sending to worker: 16

Worker 14 received a msg from Master

Matches: []

Rank 4 sent message to 0

Rank 0 sending to worker: 17

Worker 15 received a msg from Master

Matches: []

Rank 5 sent message to 0

Rank 0 sending to worker: 18

Worker 16 received a msg from Master

Rank 0 sending to worker: 19

Worker 17 received a msg from Master

Rank 0 sending to worker: 20

Worker 18 received a msg from Master

Rank 0 sending to worker: 21

Worker 19 received a msg from Master

Rank 0 sending to worker: 22

Worker 20 received a msg from Master

Rank 0 sending to worker: 23

Worker 21 received a msg from Master

Rank 0 sending to worker: 24

Worker 22 received a msg from Master

Rank 0 sending to worker: 25

Worker 23 received a msg from Master

Rank 0 sending to worker: 26

Worker 24 received a msg from Master

Rank 0 sending to worker: 27

Worker 25 received a msg from Master

Rank 0 sending to worker: 28

Worker 26 received a msg from Master

Worker 27 received a msg from Master

Rank 0 sending to worker: 29

Rank 0 sending to worker: 30

Worker 28 received a msg from Master

Rank 0 sending to worker: 31

Worker 29 received a msg from Master

Rank 0 sending to worker: 32

Worker 30 received a msg from Master

Rank 0 sending to worker: 33

Worker 31 received a msg from Master

Rank 0 sending to worker: 34

Worker 32 received a msg from Master

Rank 0 sending to worker: 35

Worker 33 received a msg from Master

Rank 0 sending to worker: 36

Worker 34 received a msg from Master

Rank 0 sending to worker: 37

Worker 35 received a msg from Master

Rank 0 sending to worker: 38

Worker 36 received a msg from Master

Rank 0 sending to worker: 39

Worker 37 received a msg from Master

Rank 0 sending to worker: 40

Worker 38 received a msg from Master

Rank 0 sending to worker: 41

Worker 39 received a msg from Master

Rank 0 sending to worker: 42

Worker 40 received a msg from Master

Rank 0 sending to worker: 43

Worker 41 received a msg from Master

Rank 0 sending to worker: 44

Worker 42 received a msg from Master

Rank 0 sending to worker: 45

Worker 43 received a msg from Master

Rank 0 sending to worker: 46

Worker 44 received a msg from Master

Rank 0 sending to worker: 47

Worker 45 received a msg from Master

Rank 0 sending to worker: 48

Worker 46 received a msg from Master

Rank 0 sending to worker: 49

Worker 47 received a msg from Master

Rank 0 sending to worker: 50

Worker 48 received a msg from Master

Rank 0 sending to worker: 51

Worker 49 received a msg from Master

Rank 0 sending to worker: 52

Worker 50 received a msg from Master

Rank 0 sending to worker: 53

Worker 51 received a msg from Master

Rank 0 sending to worker: 54

Worker 52 received a msg from Master

Rank 0 sending to worker: 55

Worker 53 received a msg from Master

Rank 0 sending to worker: 56

Worker 54 received a msg from Master

Rank 0 sending to worker: 57

Worker 55 received a msg from Master

Rank 0 sending to worker: 58

Worker 56 received a msg from Master

Rank 0 sending to worker: 59

Worker 57 received a msg from Master

Rank 0 sending to worker: 60

Worker 58 received a msg from Master

Matches: []

Rank 6 sent message to 0

Rank 0 sending to worker: 61

Worker 59 received a msg from Master

Rank 0 sending to worker: 62

Worker 60 received a msg from Master

Rank 0 sending to worker: 63

Worker 61 received a msg from Master

Rank 0 sending to worker: 64

Worker 62 received a msg from Master

Rank 0 sending to worker: 65

Worker 63 received a msg from Master

Rank 0 sending to worker: 66

Worker 64 received a msg from Master

Rank 0 sending to worker: 67

Worker 65 received a msg from Master

Rank 0 sending to worker: 68

Matches: []

Rank 15 sent message to 0

Worker 66 received a msg from Master

Worker 67 received a msg from Master

Worker 68 received a msg from Master

Rank 0 sending to worker: 69

Rank 0 sending to worker: 70

Rank 0 sending to worker: 71

Worker 69 received a msg from Master

Worker 70 received a msg from Master

Worker 71 received a msg from Master

Worker 72 received a msg from Master

Worker 73 received a msg from Master

Worker 74 received a msg from Master

Worker 75 received a msg from Master

Worker 76 received a msg from Master

Worker 77 received a msg from Master

Worker 78 received a msg from Master

Rank 0 sending to worker: 72

Rank 0 sending to worker: 73

Rank 0 sending to worker: 74

Rank 0 sending to worker: 75

Rank 0 sending to worker: 76

Rank 0 sending to worker: 77

Rank 0 sending to worker: 78

Rank 0 sending to worker: 79

Rank 0 sending to worker: 80

Rank 0 sending to worker: 81

Worker 79 received a msg from Master

Matches: []

Rank 27 sent message to 0

Rank 0 sending to worker: 82

Worker 80 received a msg from Master

Rank 0 sending to worker: 83

Worker 81 received a msg from Master

Rank 0 sending to worker: 84

Worker 82 received a msg from Master

Rank 0 sending to worker: 85

Worker 83 received a msg from Master

Worker 84 received a msg from Master

Rank 0 sending to worker: 86

Rank 0 sending to worker: 87

Worker 85 received a msg from Master

Rank 0 sending to worker: 88

Worker 86 received a msg from Master

Rank 0 sending to worker: 89

Worker 87 received a msg from Master

Rank 0 sending to worker: 90

Worker 88 received a msg from Master

Rank 0 sending to worker: 91

Worker 89 received a msg from Master

Rank 0 sending to worker: 92

Worker 90 received a msg from Master

Rank 0 sending to worker: 93

Worker 91 received a msg from Master

Rank 0 sending to worker: 94

Worker 92 received a msg from Master

Rank 0 sending to worker: 95

Worker 93 received a msg from Master

Matches: []

Rank 8 sent message to 0

Rank 0 sending to worker: 96

Worker 94 received a msg from Master

Rank 0 sending to worker: 97

Worker 95 received a msg from Master

Matches: []

Rank 9 sent message to 0

Rank 0 sending to worker: 98

Matches: []

Rank 14 sent message to 0

Worker 96 received a msg from Master

Matches: []

Rank 10 sent message to 0

Rank 0 sending to worker: 99

Worker 97 received a msg from Master

Master received message from worker: 1

Master received message from worker: 2

Master received message from worker: 3

Master received message from worker: 4

Master received message from worker: 5

Master received message from worker: 6

Master received message from worker: 8

Master received message from worker: 9

Master received message from worker: 10

Master received message from worker: 14

Master received message from worker: 15

Master received message from worker: 27

Master received message from worker: 1

Worker 1 finished

Master received message from worker: 2

Worker 2 finished

Master received message from worker: 3

Worker 3 finished

Master received message from worker: 4

Worker 4 finished

Master received message from worker: 5

Worker 5 finished

Master received message from worker: 6

Worker 6 finished

Master received message from worker: 8

Worker 8 finished

Master received message from worker: 9

Worker 9 finished

Master received message from worker: 10

Worker 10 finished

Master received message from worker: 14

Worker 14 finished

Master received message from worker: 15

Worker 15 finished

Master received message from worker: 27

Worker 27 finished

Worker 98 received a msg from Master

Matches: []

Rank 7 sent message to 0

Master received message from worker: 7

Master received message from worker: 7

Worker 7 finished

Worker 99 received a msg from Master

Matches: []

Rank 20 sent message to 0

Master received message from worker: 20

Master received message from worker: 20

Worker 20 finished

Matches: []

Rank 12 sent message to 0

Master received message from worker: 12

Master received message from worker: 12

Worker 12 finished

Matches: []

Rank 17 sent message to 0

Master received message from worker: 17

Master received message from worker: 17

Worker 17 finished

Matches: []

Rank 11 sent message to 0

Master received message from worker: 11

Master received message from worker: 11

Worker 11 finished

Master received message from worker: 51

Master received message from worker: 51

Worker 51 finished

Matches: []

Rank 51 sent message to 0

Matches: []

Rank 25 sent message to 0

Master received message from worker: 25

Master received message from worker: 25

Worker 25 finished

Matches: []

Rank 13 sent message to 0

Master received message from worker: 13

Master received message from worker: 13

Worker 13 finished

Matches: []

Rank 16 sent message to 0

Master received message from worker: 16

Master received message from worker: 16

Worker 16 finished

Matches: []

Rank 19 sent message to 0

Master received message from worker: 19

Master received message from worker: 19

Worker 19 finished

Matches: []

Rank 18 sent message to 0

Master received message from worker: 18

Master received message from worker: 18

Worker 18 finished

Matches: []

Rank 21 sent message to 0

Master received message from worker: 21

Master received message from worker: 21

Worker 21 finished

Matches: []

Rank 22 sent message to 0

Matches: []

Rank 23 sent message to 0

Master received message from worker: 22

Master received message from worker: 22

Worker 22 finished

Master received message from worker: 23

Master received message from worker: 23

Worker 23 finished

Matches: []

Rank 58 sent message to 0

Master received message from worker: 58

Master received message from worker: 58

Worker 58 finished

Matches: []

Rank 28 sent message to 0

Master received message from worker: 28

Master received message from worker: 28

Worker 28 finished

Matches: []

Rank 26 sent message to 0

Master received message from worker: 26

Master received message from worker: 26

Worker 26 finished

Matches: []

Rank 29 sent message to 0

Master received message from worker: 29

Master received message from worker: 29

Worker 29 finished

Matches: []

Rank 31 sent message to 0

Master received message from worker: 31

Master received message from worker: 31

Worker 31 finished

Matches: []

Rank 35 sent message to 0

Master received message from worker: 35

Master received message from worker: 35

Worker 35 finished

Matches: []

Rank 36 sent message to 0

Master received message from worker: 36

Master received message from worker: 36

Worker 36 finished

Matches: []

Rank 34 sent message to 0

Master received message from worker: 34

Master received message from worker: 34

Worker 34 finished

Matches: []

Rank 30 sent message to 0

Master received message from worker: 30

Master received message from worker: 30

Worker 30 finished

Matches: []

Rank 37 sent message to 0

Master received message from worker: 37

Master received message from worker: 37

Worker 37 finished

Matches: []

Rank 40 sent message to 0

Master received message from worker: 40

Master received message from worker: 40

Worker 40 finished

Matches: []

Rank 33 sent message to 0

Master received message from worker: 33

Master received message from worker: 33

Worker 33 finished

Matches: []

Rank 39 sent message to 0

Master received message from worker: 39

Master received message from worker: 39

Worker 39 finished

Matches: []

Rank 41 sent message to 0

Master received message from worker: 41

Master received message from worker: 41

Worker 41 finished

Matches: []

Rank 75 sent message to 0

Master received message from worker: 75

Master received message from worker: 75

Worker 75 finished

Matches: []

Rank 49 sent message to 0

Master received message from worker: 49

Master received message from worker: 49

Worker 49 finished

Matches: []

Rank 44 sent message to 0

Master received message from worker: 44

Master received message from worker: 44

Worker 44 finished

Matches: []

Rank 43 sent message to 0

Master received message from worker: 43

Master received message from worker: 43

Worker 43 finished

Master received message from worker: 42

Master received message from worker: 42

Worker 42 finished

Matches: []

Rank 42 sent message to 0

Matches: []

Rank 46 sent message to 0

Master received message from worker: 46

Master received message from worker: 46

Worker 46 finished

Matches: []

Rank 48 sent message to 0

Master received message from worker: 48

Master received message from worker: 48

Worker 48 finished

Master received message from worker: 24

Master received message from worker: 24

Worker 24 finished

Matches: []

Rank 24 sent message to 0

Matches: []

Rank 45 sent message to 0

Master received message from worker: 45

Master received message from worker: 45

Worker 45 finished

Matches: []

Rank 50 sent message to 0

Matches: []

Rank 52 sent message to 0

Master received message from worker: 52

Master received message from worker: 52

Worker 52 finished

Master received message from worker: 50

Master received message from worker: 50

Worker 50 finished

Matches: []

Rank 47 sent message to 0

Master received message from worker: 47

Master received message from worker: 47

Worker 47 finished

Matches: []

Rank 61 sent message to 0

Master received message from worker: 61

Master received message from worker: 61

Worker 61 finished

Matches: []

Rank 55 sent message to 0

Master received message from worker: 55

Master received message from worker: 55

Worker 55 finished

Matches: []

Rank 54 sent message to 0

Master received message from worker: 54

Master received message from worker: 54

Worker 54 finished

Matches: []

Rank 53 sent message to 0

Master received message from worker: 53

Master received message from worker: 53

Worker 53 finished

Matches: []

Rank 59 sent message to 0

Master received message from worker: 59

Master received message from worker: 59

Worker 59 finished

Matches: []

Rank 69 sent message to 0

Master received message from worker: 69

Master received message from worker: 69

Worker 69 finished

Matches: []

Rank 57 sent message to 0

Master received message from worker: 57

Master received message from worker: 57

Worker 57 finished

Matches: []

Rank 63 sent message to 0

Master received message from worker: 63

Master received message from worker: 63

Worker 63 finished

Matches: []

Rank 60 sent message to 0

Master received message from worker: 60

Master received message from worker: 60

Worker 60 finished

Master received message from worker: 91

Matches: []

Rank 91 sent message to 0

Master received message from worker: 91

Worker 91 finished

Matches: []

Rank 56 sent message to 0

Master received message from worker: 56

Master received message from worker: 56

Worker 56 finished

Matches: []

Rank 78 sent message to 0

Master received message from worker: 78

Master received message from worker: 78

Worker 78 finished

Matches: []

Rank 73 sent message to 0

Master received message from worker: 73

Master received message from worker: 73

Worker 73 finished

Matches: []

Rank 71 sent message to 0

Master received message from worker: 71

Master received message from worker: 71

Worker 71 finished

Matches: []

Rank 67 sent message to 0

Master received message from worker: 67

Master received message from worker: 67

Worker 67 finished

Matches: []

Rank 68 sent message to 0

Master received message from worker: 68

Master received message from worker: 68

Worker 68 finished

Matches: []

Rank 62 sent message to 0

Master received message from worker: 62

Master received message from worker: 62

Worker 62 finished

Matches: []

Rank 64 sent message to 0

Master received message from worker: 64

Master received message from worker: 64

Worker 64 finished

Matches: []

Rank 80 sent message to 0

Master received message from worker: 80

Master received message from worker: 80

Worker 80 finished

Matches: []

Rank 72 sent message to 0

Master received message from worker: 72

Master received message from worker: 72

Worker 72 finished

Matches: []

Rank 77 sent message to 0

Master received message from worker: 77

Master received message from worker: 77

Worker 77 finished

Matches: []

Rank 74 sent message to 0

Master received message from worker: 74

Master received message from worker: 74

Worker 74 finished

Matches: []

Rank 76 sent message to 0

Master received message from worker: 76

Master received message from worker: 76

Worker 76 finished

Matches: []

Rank 87 sent message to 0

Master received message from worker: 87

Master received message from worker: 87

Worker 87 finished

Matches: []

Rank 84 sent message to 0

Master received message from worker: 84

Master received message from worker: 84

Worker 84 finished

Matches: []

Rank 81 sent message to 0

Master received message from worker: 81

Master received message from worker: 81

Worker 81 finished

Matches: []

Rank 93 sent message to 0

Master received message from worker: 93

Master received message from worker: 93

Worker 93 finished

Matches: []

Rank 88 sent message to 0

Master received message from worker: 88

Master received message from worker: 88

Worker 88 finished

Matches: []

Rank 79 sent message to 0

Master received message from worker: 79

Master received message from worker: 79

Worker 79 finished

Matches: []

Rank 83 sent message to 0

Matches: []

Rank 89 sent message to 0

Master received message from worker: 83

Master received message from worker: 83

Worker 83 finished

Master received message from worker: 89

Master received message from worker: 89

Worker 89 finished

Matches: []

Rank 82 sent message to 0

Master received message from worker: 82

Master received message from worker: 82

Worker 82 finished

Matches: []

Rank 92 sent message to 0

Master received message from worker: 92

Master received message from worker: 92

Worker 92 finished

Matches: []

Rank 86 sent message to 0

Master received message from worker: 86

Master received message from worker: 86

Worker 86 finished

Matches: []

Rank 65 sent message to 0

Master received message from worker: 65

Master received message from worker: 65

Worker 65 finished

Matches: []

Rank 94 sent message to 0

Master received message from worker: 94

Master received message from worker: 94

Worker 94 finished

Matches: []

Rank 99 sent message to 0

Master received message from worker: 99

Master received message from worker: 99

Worker 99 finished

Matches: []

Rank 95 sent message to 0

Master received message from worker: 95

Master received message from worker: 95

Worker 95 finished

Matches: []

Master received message from worker: 66

Master received message from worker: 66

Worker 66 finished

Rank 66 sent message to 0

Matches: []

Rank 90 sent message to 0

Master received message from worker: 90

Master received message from worker: 90

Worker 90 finished

Matches: []

Rank 97 sent message to 0

Master received message from worker: 97

Master received message from worker: 97

Worker 97 finished

Matches: []

Rank 98 sent message to 0

Master received message from worker: 98

Master received message from worker: 98

Worker 98 finished

Matches: []

Rank 32 sent message to 0

Master received message from worker: 32

Master received message from worker: 32

Worker 32 finished

Matches: []

Rank 38 sent message to 0

Master received message from worker: 38

Master received message from worker: 38

Worker 38 finished

Matches: []

Rank 70 sent message to 0

Master received message from worker: 70

Master received message from worker: 70

Worker 70 finished

Matches: []

Rank 96 sent message to 0

Master received message from worker: 96

Master received message from worker: 96

Worker 96 finished

Matches: []

Rank 85 sent message to 0

Master received message from worker: 85

Master received message from worker: 85

Worker 85 finished

Master completed, GOODNIGHT!

Worker 6 ending

Worker 8 ending

Worker 7 ending

Worker 1 ending

Worker 2 ending

Worker 3 ending

Worker 4 ending

Worker 5 ending

Worker 13 ending

Worker 10 ending

Worker 17 ending

Worker 19 ending

Worker 21 ending

Worker 22 ending

Worker 29 ending

Worker 30 ending

Worker 31 ending

Worker 32 ending

Worker 34 ending

Worker 35 ending

Worker 37 ending

Worker 40 ending

Worker 46 ending

Worker 43 ending

Worker 47 ending

Worker 48 ending

Worker 49 ending

Worker 25 ending

Worker 50 ending

Worker 53 ending

Worker 54 ending

Worker 55 ending

Worker 56 ending

Worker 59 ending

Worker 61 ending

Worker 62 ending

Worker 63 ending

Worker 65 ending

Worker 15 ending

Worker 67 ending

Worker 70 ending

Worker 73 ending

Worker 75 ending

Worker 76 ending

Worker 77 ending

Worker 27 ending

Worker 81 ending

Worker 84 ending

Worker 89 ending

Worker 85 ending

Worker 87 ending

Worker 66 ending

Worker 92 ending

Worker 9 ending

Worker 14 ending

Worker 97 ending

Worker 20 ending

Worker 11 ending

Worker 12 ending

Worker 68 ending

Worker 58 ending

Worker 98 ending

Worker 93 ending

Worker 95 ending

Worker 96 ending

Worker 16 ending

Worker 18 ending

Worker 99 ending

Worker 23 ending

Worker 45 ending

Worker 51 ending

Worker 79 ending

Worker 26 ending

Worker 28 ending

Worker 33 ending

Worker 36 ending

Worker 38 ending

Worker 39 ending

Worker 41 ending

Worker 24 ending

Worker 42 ending

Worker 52 ending

Worker 57 ending

Worker 60 ending

Worker 64 ending

Worker 90 ending

Worker 78 ending

Worker 69 ending

Worker 71 ending

Worker 72 ending

Worker 74 ending

Worker 82 ending

Worker 86 ending

Worker 88 ending

Worker 91 ending

Worker 83 ending

Worker 44 ending

Worker 80 ending

Worker 94 ending

[zardo.se.rit.edu:17993] 99 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:17993] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 113.90

user 228.80

sys 329.93

jm9963@zardo:~$ sh Jacob\_Miller\_bash.sh -c temp\_chr2.fa -s temp\_faq2.fastq

Workers running: 2

--------------------------------------------------------------------------

[[48213,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr2.fa

Reading in seed: temp\_faq2.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Worker 1 received a msg from Master

Matches: []

Rank 1 sent message to 0

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Master completed, GOODNIGHT!

Worker 1 ending

[zardo.se.rit.edu:24650] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:24650] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 3.75

user 3.91

sys 5.43

Workers running: 5

--------------------------------------------------------------------------

[[48351,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr2.fa

Reading in seed: temp\_faq2.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Worker 1 received a msg from Master

Rank 0 sending to worker: 4

Worker 2 received a msg from Master

Worker 3 received a msg from Master

Worker 4 received a msg from Master

Matches: []

Rank 1 sent message to 0

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Matches: []

Master received message from worker: 2

Master received message from worker: 2

Worker 2 finished

Rank 2 sent message to 0

Master received message from worker: 3

Master received message from worker: 3

Worker 3 finished

Matches: []

Rank 3 sent message to 0

Matches: []

Rank 4 sent message to 0

Master received message from worker: 4

Master received message from worker: 4

Worker 4 finished

Master completed, GOODNIGHT!

Worker 3 ending

Worker 1 ending

Worker 2 ending

Worker 4 ending

[zardo.se.rit.edu:24768] 4 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:24768] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 4.22

user 8.39

sys 12.28

Workers running: 10

--------------------------------------------------------------------------

[[48585,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr2.fa

Reading in seed: temp\_faq2.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Rank 0 sending to worker: 4

Rank 0 sending to worker: 5

Rank 0 sending to worker: 6

Worker 2 received a msg from Master

Worker 3 received a msg from Master

Worker 1 received a msg from Master

Rank 0 sending to worker: 7

Rank 0 sending to worker: 8

Rank 0 sending to worker: 9

Worker 4 received a msg from Master

Worker 5 received a msg from Master

Worker 6 received a msg from Master

Worker 8 received a msg from Master

Worker 9 received a msg from Master

Worker 7 received a msg from Master

Master received message from worker: 9

Master received message from worker: 9

Worker 9 finished

Matches: []

Rank 9 sent message to 0

Matches: []

Rank 2 sent message to 0

Matches: []

Rank 4 sent message to 0

Master received message from worker: 4

Master received message from worker: 4

Worker 4 finished

Master received message from worker: 2

Master received message from worker: 2

Worker 2 finished

Matches: []

Master received message from worker: 5

Master received message from worker: 5

Worker 5 finished

Rank 5 sent message to 0

Matches: []

Master received message from worker: 8

Master received message from worker: 8

Worker 8 finished

Rank 8 sent message to 0

Matches: []

Matches: []

Master received message from worker: 6

Master received message from worker: 6

Worker 6 finished

Rank 6 sent message to 0

Master received message from worker: 3

Master received message from worker: 3

Worker 3 finished

Rank 3 sent message to 0

Matches: []

Rank 7 sent message to 0

Master received message from worker: 7

Master received message from worker: 7

Worker 7 finished

Worker 6 ending

Matches: []

Rank 1 sent message to 0

Worker 1 ending

Worker 3 ending

Worker 2 ending

Worker 7 ending

Worker 4 ending

Worker 8 ending

Worker 5 ending

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Master completed, GOODNIGHT!

Worker 9 ending

[zardo.se.rit.edu:25046] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:25046] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 4.97

user 14.17

sys 18.91

Workers running: 50

--------------------------------------------------------------------------

[[49125,1],5]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr2.fa

Reading in seed: temp\_faq2.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Rank 0 sending to worker: 4

Rank 0 sending to worker: 5

Rank 0 sending to worker: 6

Worker 1 received a msg from Master

Worker 2 received a msg from Master

Rank 0 sending to worker: 7

Worker 3 received a msg from Master

Rank 0 sending to worker: 8

Rank 0 sending to worker: 9

Worker 4 received a msg from Master

Rank 0 sending to worker: 10

Worker 5 received a msg from Master

Rank 0 sending to worker: 11

Worker 6 received a msg from Master

Rank 0 sending to worker: 12

Worker 8 received a msg from Master

Rank 0 sending to worker: 13

Worker 7 received a msg from Master

Rank 0 sending to worker: 14

Worker 9 received a msg from Master

Rank 0 sending to worker: 15

Worker 10 received a msg from Master

Rank 0 sending to worker: 16

Worker 11 received a msg from Master

Rank 0 sending to worker: 17

Worker 12 received a msg from Master

Rank 0 sending to worker: 18

Worker 13 received a msg from Master

Rank 0 sending to worker: 19

Rank 0 sending to worker: 20

Worker 15 received a msg from Master

Worker 14 received a msg from Master

Rank 0 sending to worker: 21

Rank 0 sending to worker: 22

Worker 16 received a msg from Master

Worker 17 received a msg from Master

Worker 18 received a msg from Master

Rank 0 sending to worker: 23

Rank 0 sending to worker: 24

Worker 19 received a msg from Master

Rank 0 sending to worker: 25

Worker 20 received a msg from Master

Rank 0 sending to worker: 26

Rank 0 sending to worker: 27

Worker 21 received a msg from Master

Rank 0 sending to worker: 28

Worker 22 received a msg from Master

Worker 23 received a msg from Master

Rank 0 sending to worker: 29

Worker 24 received a msg from Master

Rank 0 sending to worker: 30

Worker 25 received a msg from Master

Rank 0 sending to worker: 31

Worker 27 received a msg from Master

Rank 0 sending to worker: 32

Worker 26 received a msg from Master

Worker 28 received a msg from Master

Rank 0 sending to worker: 33

Rank 0 sending to worker: 34

Worker 30 received a msg from Master

Rank 0 sending to worker: 35

Worker 29 received a msg from Master

Rank 0 sending to worker: 36

Rank 0 sending to worker: 37

Rank 0 sending to worker: 38

Worker 31 received a msg from Master

Worker 32 received a msg from Master

Rank 0 sending to worker: 39

Worker 33 received a msg from Master

Rank 0 sending to worker: 40

Worker 34 received a msg from Master

Worker 35 received a msg from Master

Rank 0 sending to worker: 41

Worker 36 received a msg from Master

Rank 0 sending to worker: 42

Worker 37 received a msg from Master

Worker 38 received a msg from Master

Rank 0 sending to worker: 43

Rank 0 sending to worker: 44

Rank 0 sending to worker: 45

Worker 39 received a msg from Master

Rank 0 sending to worker: 46

Worker 40 received a msg from Master

Rank 0 sending to worker: 47

Worker 41 received a msg from Master

Rank 0 sending to worker: 48

Worker 44 received a msg from Master

Rank 0 sending to worker: 49

Worker 42 received a msg from Master

Worker 43 received a msg from Master

Worker 45 received a msg from Master

Worker 46 received a msg from Master

Worker 47 received a msg from Master

Worker 48 received a msg from Master

Worker 49 received a msg from Master

Matches: []

Rank 2 sent message to 0

Master received message from worker: 2

Master received message from worker: 2

Worker 2 finished

Matches: []

Rank 8 sent message to 0

Master received message from worker: 8

Master received message from worker: 8

Worker 8 finished

Matches: []

Rank 11 sent message to 0

Master received message from worker: 11

Master received message from worker: 11

Worker 11 finished

Matches: []

Rank 15 sent message to 0

Master received message from worker: 15

Master received message from worker: 15

Worker 15 finished

Matches: []

Rank 10 sent message to 0

Master received message from worker: 10

Master received message from worker: 10

Worker 10 finished

Matches: []

Rank 18 sent message to 0

Master received message from worker: 18

Master received message from worker: 18

Worker 18 finished

Matches: []

Rank 16 sent message to 0

Master received message from worker: 16

Master received message from worker: 16

Worker 16 finished

Matches: []

Rank 19 sent message to 0

Master received message from worker: 19

Master received message from worker: 19

Worker 19 finished

Matches: []

Rank 23 sent message to 0

Master received message from worker: 23

Master received message from worker: 23

Worker 23 finished

Matches: []

Rank 24 sent message to 0

Master received message from worker: 24

Master received message from worker: 24

Worker 24 finished

Matches: []

Rank 20 sent message to 0

Master received message from worker: 20

Master received message from worker: 20

Worker 20 finished

Matches: []

Rank 27 sent message to 0

Master received message from worker: 27

Master received message from worker: 27

Worker 27 finished

Matches: []

Master received message from worker: 28

Master received message from worker: 28

Worker 28 finished

Rank 28 sent message to 0

Matches: []

Rank 30 sent message to 0

Master received message from worker: 30

Master received message from worker: 30

Worker 30 finished

Matches: []

Rank 35 sent message to 0

Master received message from worker: 35

Master received message from worker: 35

Worker 35 finished

Matches: []

Rank 36 sent message to 0

Matches: []

Rank 5 sent message to 0

Master received message from worker: 36

Master received message from worker: 36

Worker 36 finished

Master received message from worker: 5

Master received message from worker: 5

Worker 5 finished

Matches: []

Rank 38 sent message to 0

Master received message from worker: 38

Master received message from worker: 38

Worker 38 finished

Matches: []

Rank 1 sent message to 0

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Matches: []

Rank 25 sent message to 0

Matches: []

Master received message from worker: 25

Master received message from worker: 25

Worker 25 finished

Master received message from worker: 34

Master received message from worker: 34

Worker 34 finished

Rank 34 sent message to 0

Matches: []

Rank 44 sent message to 0

Matches: []

Rank 4 sent message to 0

Master received message from worker: 44

Master received message from worker: 44

Worker 44 finished

Master received message from worker: 37

Master received message from worker: 37

Worker 37 finished

Master received message from worker: 4

Matches: []

Rank 37 sent message to 0

Master received message from worker: 4

Worker 4 finished

Matches: []

Rank 47 sent message to 0

Master received message from worker: 47

Master received message from worker: 47

Worker 47 finished

Matches: []

Rank 46 sent message to 0

Master received message from worker: 46

Master received message from worker: 46

Worker 46 finished

Master received message from worker: 12

Master received message from worker: 12

Worker 12 finished

Matches: []

Rank 12 sent message to 0

Matches: []

Rank 3 sent message to 0

Master received message from worker: 3

Master received message from worker: 3

Worker 3 finished

Matches: []

Rank 9 sent message to 0

Master received message from worker: 9

Master received message from worker: 9

Worker 9 finished

Matches: []

Rank 31 sent message to 0

Master received message from worker: 31

Master received message from worker: 31

Worker 31 finished

Master received message from worker: 6

Master received message from worker: 6

Worker 6 finished

Matches: []

Rank 6 sent message to 0

Matches: []

Rank 7 sent message to 0

Master received message from worker: 7

Master received message from worker: 7

Worker 7 finished

Matches: []

Rank 17 sent message to 0

Master received message from worker: 17

Master received message from worker: 17

Worker 17 finished

Matches: []

Rank 45 sent message to 0

Master received message from worker: 45

Master received message from worker: 45

Worker 45 finished

Matches: []

Rank 13 sent message to 0

Master received message from worker: 13

Master received message from worker: 13

Worker 13 finished

Matches: []

Master received message from worker: 14

Master received message from worker: 14

Worker 14 finished

Rank 14 sent message to 0

Matches: []

Rank 21 sent message to 0

Master received message from worker: 21

Master received message from worker: 21

Worker 21 finished

Matches: []

Rank 22 sent message to 0

Master received message from worker: 22

Master received message from worker: 22

Worker 22 finished

Matches: []

Rank 29 sent message to 0

Master received message from worker: 29

Master received message from worker: 29

Worker 29 finished

Matches: []

Rank 33 sent message to 0

Master received message from worker: 33

Master received message from worker: 33

Worker 33 finished

Matches: []

Rank 32 sent message to 0

Master received message from worker: 32

Master received message from worker: 32

Worker 32 finished

Matches: []

Rank 26 sent message to 0

Master received message from worker: 26

Master received message from worker: 26

Worker 26 finished

Matches: []

Rank 39 sent message to 0

Master received message from worker: 39

Master received message from worker: 39

Worker 39 finished

Matches: []

Rank 48 sent message to 0

Master received message from worker: 48

Master received message from worker: 48

Worker 48 finished

Master received message from worker: 49

Master received message from worker: 49

Worker 49 finished

Matches: []

Rank 49 sent message to 0

Matches: []

Rank 40 sent message to 0

Master received message from worker: 40

Master received message from worker: 40

Worker 40 finished

Matches: []

Rank 41 sent message to 0

Master received message from worker: 41

Master received message from worker: 41

Worker 41 finished

Matches: []

Rank 43 sent message to 0

Master received message from worker: 43

Master received message from worker: 43

Worker 43 finished

Worker 2 ending

Matches: []

Rank 42 sent message to 0

Master received message from worker: 42

Master received message from worker: 42

Worker 42 finished

Master completed, GOODNIGHT!

Worker 1 ending

Worker 7 ending

Worker 6 ending

Worker 8 ending

Worker 9 ending

Worker 3 ending

Worker 21 ending

Worker 4 ending

Worker 5 ending

Worker 40 ending

Worker 12 ending

Worker 44 ending

Worker 36 ending

Worker 10 ending

Worker 11 ending

Worker 13 ending

Worker 15 ending

Worker 18 ending

Worker 16 ending

Worker 17 ending

Worker 19 ending

Worker 20 ending

Worker 14 ending

Worker 23 ending

Worker 22 ending

Worker 24 ending

Worker 30 ending

Worker 27 ending

Worker 26 ending

Worker 29 ending

Worker 28 ending

Worker 32 ending

Worker 31 ending

Worker 33 ending

Worker 35 ending

Worker 25 ending

Worker 38 ending

Worker 37 ending

Worker 39 ending

Worker 49 ending

Worker 41 ending

Worker 42 ending

Worker 34 ending

Worker 43 ending

Worker 45 ending

Worker 46 ending

Worker 47 ending

Worker 48 ending

[zardo.se.rit.edu:25594] 49 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:25594] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 60.36

user 92.25

sys 148.13

Workers running: 100

--------------------------------------------------------------------------

[[45707,1],19]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: zardo

Another transport will be used instead, although this may result in

lower performance.

NOTE: You can disable this warning by setting the MCA parameter

btl\_base\_warn\_component\_unused to 0.

--------------------------------------------------------------------------

Reading in chromosome: temp\_chr2.fa

Reading in seed: temp\_faq2.fastq

Sending chromosome: >chr1

Rank 0 sending to worker: 1

Rank 0 sending to worker: 2

Rank 0 sending to worker: 3

Worker 1 received a msg from Master

Worker 2 received a msg from Master

Rank 0 sending to worker: 4

Worker 3 received a msg from Master

Rank 0 sending to worker: 5

Rank 0 sending to worker: 6

Worker 4 received a msg from Master

Rank 0 sending to worker: 7

Worker 5 received a msg from Master

Rank 0 sending to worker: 8

Worker 6 received a msg from Master

Rank 0 sending to worker: 9

Worker 7 received a msg from Master

Rank 0 sending to worker: 10

Worker 8 received a msg from Master

Worker 9 received a msg from Master

Rank 0 sending to worker: 11

Worker 10 received a msg from Master

Matches: []

Rank 1 sent message to 0

Rank 0 sending to worker: 12

Rank 0 sending to worker: 13

Worker 11 received a msg from Master

Matches: []

Rank 2 sent message to 0

Rank 0 sending to worker: 14

Worker 12 received a msg from Master

Rank 0 sending to worker: 15

Matches: []

Rank 3 sent message to 0

Worker 13 received a msg from Master

Worker 14 received a msg from Master

Rank 0 sending to worker: 16

Matches: []

Rank 4 sent message to 0

Worker 15 received a msg from Master

Matches: []

Rank 5 sent message to 0

Rank 0 sending to worker: 17

Rank 0 sending to worker: 18

Matches: []

Rank 6 sent message to 0

Worker 16 received a msg from Master

Matches: []

Rank 7 sent message to 0

Worker 17 received a msg from Master

Rank 0 sending to worker: 19

Rank 0 sending to worker: 20

Rank 0 sending to worker: 21

Rank 0 sending to worker: 22

Rank 0 sending to worker: 23

Rank 0 sending to worker: 24

Rank 0 sending to worker: 25

Rank 0 sending to worker: 26

Rank 0 sending to worker: 27

Rank 0 sending to worker: 28

Rank 0 sending to worker: 29

Rank 0 sending to worker: 30

Matches: []

Rank 9 sent message to 0

Matches: []

Rank 8 sent message to 0

Worker 18 received a msg from Master

Worker 19 received a msg from Master

Worker 20 received a msg from Master

Worker 21 received a msg from Master

Worker 22 received a msg from Master

Worker 23 received a msg from Master

Matches: []

Rank 10 sent message to 0

Worker 24 received a msg from Master

Worker 25 received a msg from Master

Worker 26 received a msg from Master

Worker 27 received a msg from Master

Matches: []

Rank 11 sent message to 0

Worker 28 received a msg from Master

Worker 29 received a msg from Master

Rank 0 sending to worker: 31

Rank 0 sending to worker: 32

Matches: []

Rank 12 sent message to 0

Worker 30 received a msg from Master

Matches: []

Rank 13 sent message to 0

Worker 31 received a msg from Master

Matches: []

Rank 14 sent message to 0

Matches: []

Rank 27 sent message to 0

Matches: []

Rank 23 sent message to 0

Matches: []

Rank 15 sent message to 0

Matches: []

Rank 17 sent message to 0

Matches: []

Rank 16 sent message to 0

Rank 0 sending to worker: 33

Rank 0 sending to worker: 34

Rank 0 sending to worker: 35

Rank 0 sending to worker: 36

Rank 0 sending to worker: 37

Rank 0 sending to worker: 38

Rank 0 sending to worker: 39

Rank 0 sending to worker: 40

Rank 0 sending to worker: 41

Rank 0 sending to worker: 42

Rank 0 sending to worker: 43

Rank 0 sending to worker: 44

Rank 0 sending to worker: 45

Rank 0 sending to worker: 46

Rank 0 sending to worker: 47

Rank 0 sending to worker: 48

Rank 0 sending to worker: 49

Rank 0 sending to worker: 50

Rank 0 sending to worker: 51

Rank 0 sending to worker: 52

Rank 0 sending to worker: 53

Rank 0 sending to worker: 54

Rank 0 sending to worker: 55

Rank 0 sending to worker: 56

Rank 0 sending to worker: 57

Rank 0 sending to worker: 58

Rank 0 sending to worker: 59

Rank 0 sending to worker: 60

Rank 0 sending to worker: 61

Rank 0 sending to worker: 62

Matches: []

Rank 18 sent message to 0

Matches: []

Rank 19 sent message to 0

Matches: []

Rank 20 sent message to 0

Matches: []

Rank 21 sent message to 0

Matches: []

Rank 22 sent message to 0

Matches: []

Rank 24 sent message to 0

Matches: []

Rank 25 sent message to 0

Matches: []

Rank 26 sent message to 0

Worker 32 received a msg from Master

Worker 33 received a msg from Master

Worker 35 received a msg from Master

Worker 36 received a msg from Master

Worker 37 received a msg from Master

Worker 38 received a msg from Master

Worker 39 received a msg from Master

Worker 40 received a msg from Master

Worker 41 received a msg from Master

Worker 42 received a msg from Master

Worker 43 received a msg from Master

Worker 44 received a msg from Master

Worker 46 received a msg from Master

Worker 47 received a msg from Master

Worker 48 received a msg from Master

Worker 49 received a msg from Master

Worker 50 received a msg from Master

Worker 51 received a msg from Master

Worker 52 received a msg from Master

Worker 53 received a msg from Master

Worker 54 received a msg from Master

Worker 55 received a msg from Master

Worker 56 received a msg from Master

Worker 57 received a msg from Master

Matches: []

Rank 29 sent message to 0

Worker 45 received a msg from Master

Worker 58 received a msg from Master

Worker 59 received a msg from Master

Worker 61 received a msg from Master

Worker 62 received a msg from Master

Worker 60 received a msg from Master

Matches: []

Rank 32 sent message to 0

Matches: []

Rank 28 sent message to 0

Worker 34 received a msg from Master

Matches: []

Rank 39 sent message to 0

Matches: []

Rank 30 sent message to 0

Matches: []

Rank 42 sent message to 0

Rank 0 sending to worker: 63

Matches: []

Rank 31 sent message to 0

Rank 0 sending to worker: 64

Rank 0 sending to worker: 65

Worker 63 received a msg from Master

Worker 64 received a msg from Master

Matches: []

Rank 36 sent message to 0

Matches: []

Rank 33 sent message to 0

Rank 0 sending to worker: 66

Matches: []

Rank 38 sent message to 0

Matches: []

Rank 35 sent message to 0

Worker 65 received a msg from Master

Matches: []

Rank 37 sent message to 0

Matches: []

Rank 41 sent message to 0

Matches: []

Rank 43 sent message to 0

Matches: []

Rank 40 sent message to 0

Matches: []

Rank 44 sent message to 0

Matches: []

Rank 57 sent message to 0

Rank 0 sending to worker: 67

Rank 0 sending to worker: 68

Rank 0 sending to worker: 69

Rank 0 sending to worker: 70

Rank 0 sending to worker: 71

Rank 0 sending to worker: 72

Rank 0 sending to worker: 73

Rank 0 sending to worker: 74

Rank 0 sending to worker: 75

Rank 0 sending to worker: 76

Rank 0 sending to worker: 77

Rank 0 sending to worker: 78

Matches: []

Rank 46 sent message to 0

Matches: []

Rank 47 sent message to 0

Matches: []

Rank 48 sent message to 0

Matches: []

Rank 49 sent message to 0

Matches: []

Rank 50 sent message to 0

Matches: []

Rank 52 sent message to 0

Matches: []

Rank 53 sent message to 0

Matches: []

Rank 54 sent message to 0

Matches: []

Rank 55 sent message to 0

Matches: []

Rank 56 sent message to 0

Matches: []

Rank 45 sent message to 0

Matches: []

Rank 58 sent message to 0

Matches: []

Rank 59 sent message to 0

Matches: []

Rank 61 sent message to 0

Worker 66 received a msg from Master

Worker 67 received a msg from Master

Worker 68 received a msg from Master

Worker 69 received a msg from Master

Worker 70 received a msg from Master

Worker 71 received a msg from Master

Worker 72 received a msg from Master

Worker 73 received a msg from Master

Matches: []

Rank 62 sent message to 0

Worker 74 received a msg from Master

Worker 75 received a msg from Master

Worker 76 received a msg from Master

Worker 77 received a msg from Master

Rank 0 sending to worker: 79

Matches: []

Rank 34 sent message to 0

Rank 0 sending to worker: 80

Worker 78 received a msg from Master

Worker 79 received a msg from Master

Rank 0 sending to worker: 81

Matches: []

Rank 63 sent message to 0

Rank 0 sending to worker: 82

Worker 80 received a msg from Master

Matches: []

Rank 60 sent message to 0

Matches: []

Rank 64 sent message to 0

Matches: []

Rank 65 sent message to 0

Matches: []

Rank 77 sent message to 0

Matches: []

Rank 51 sent message to 0

Matches: []

Rank 73 sent message to 0

Matches: []

Rank 66 sent message to 0

Matches: []

Rank 67 sent message to 0

Matches: []

Rank 69 sent message to 0

Matches: []

Rank 70 sent message to 0

Matches: []

Rank 71 sent message to 0

Matches: []

Rank 74 sent message to 0

Matches: []

Rank 75 sent message to 0

Rank 0 sending to worker: 83

Rank 0 sending to worker: 84

Rank 0 sending to worker: 85

Rank 0 sending to worker: 86

Rank 0 sending to worker: 87

Rank 0 sending to worker: 88

Rank 0 sending to worker: 89

Rank 0 sending to worker: 90

Rank 0 sending to worker: 91

Rank 0 sending to worker: 92

Rank 0 sending to worker: 93

Rank 0 sending to worker: 94

Rank 0 sending to worker: 95

Rank 0 sending to worker: 96

Rank 0 sending to worker: 97

Rank 0 sending to worker: 98

Rank 0 sending to worker: 99

Master received message from worker: 1

Master received message from worker: 1

Worker 1 finished

Master received message from worker: 2

Master received message from worker: 3

Master received message from worker: 4

Master received message from worker: 5

Master received message from worker: 6

Master received message from worker: 7

Master received message from worker: 2

Worker 2 finished

Master received message from worker: 3

Worker 3 finished

Master received message from worker: 4

Worker 4 finished

Master received message from worker: 5

Worker 5 finished

Master received message from worker: 6

Worker 6 finished

Master received message from worker: 7

Worker 7 finished

Master received message from worker: 8

Master received message from worker: 9

Master received message from worker: 10

Master received message from worker: 11

Master received message from worker: 12

Master received message from worker: 13

Master received message from worker: 14

Master received message from worker: 8

Worker 8 finished

Master received message from worker: 9

Worker 9 finished

Master received message from worker: 10

Worker 10 finished

Master received message from worker: 11

Worker 11 finished

Master received message from worker: 12

Worker 12 finished

Master received message from worker: 13

Worker 13 finished

Master received message from worker: 14

Worker 14 finished

Master received message from worker: 15

Master received message from worker: 15

Worker 15 finished

Master received message from worker: 16

Master received message from worker: 17

Master received message from worker: 18

Master received message from worker: 19

Master received message from worker: 20

Master received message from worker: 26

Master received message from worker: 16

Worker 16 finished

Master received message from worker: 17

Worker 17 finished

Master received message from worker: 18

Worker 18 finished

Master received message from worker: 19

Worker 19 finished

Master received message from worker: 26

Worker 26 finished

Master received message from worker: 20

Worker 20 finished

Master received message from worker: 27

Master received message from worker: 28

Master received message from worker: 29

Master received message from worker: 32

Master received message from worker: 39

Master received message from worker: 21

Master received message from worker: 22

Master received message from worker: 23

Master received message from worker: 24

Master received message from worker: 25

Master received message from worker: 27

Worker 27 finished

Master received message from worker: 28

Worker 28 finished

Master received message from worker: 29

Worker 29 finished

Master received message from worker: 32

Worker 32 finished

Master received message from worker: 39

Worker 39 finished

Master received message from worker: 21

Worker 21 finished

Master received message from worker: 22

Worker 22 finished

Master received message from worker: 23

Worker 23 finished

Master received message from worker: 24

Worker 24 finished

Master received message from worker: 25

Worker 25 finished

Master received message from worker: 30

Master received message from worker: 30

Worker 30 finished

Master received message from worker: 31

Master received message from worker: 33

Master received message from worker: 35

Master received message from worker: 36

Master received message from worker: 37

Master received message from worker: 38

Master received message from worker: 40

Master received message from worker: 41

Master received message from worker: 42

Master received message from worker: 43

Master received message from Worker 81 received a msg from Master

Worker 82 received a msg from Master

Worker 83 received a msg from Master

Worker 84 received a msg from Master

Worker 85 received a msg from Master

Worker 86 received a msg from Master

Worker 87 received a msg from Master

Worker 88 received a msg from Master

Worker 89 received a msg from Master

Worker 90 received a msg from Master

Worker 91 received a msg from Master

Worker 92 received a msg from Master

Worker 93 received a msg from Master

Worker 94 received a msg from Master

Worker 95 received a msg from Master

Worker 96 received a msg from Master

Worker 97 received a msg from Master

Worker 98 received a msg from Master

Worker 99 received a msg from Master

Matches: []

Rank 76 sent message to 0

worker: 44

Master received message from worker: 46

Master received message from worker: 31

Worker 31 finished

Master received message from worker: 33

Worker 33 finished

Master received message from worker: 35

Worker 35 finished

Master received message from worker: 36

Worker 36 finished

Master received message from worker: 37

Worker 37 finished

Master received message from worker: 38

Worker 38 finished

Master received message from worker: 40

Worker 40 finished

Master received message from worker: 41

Worker 41 finished

Master received message from worker: 42

Worker 42 finished

Master received message from worker: 43

Worker 43 finished

Master received message from worker: 44

Worker 44 finished

Master received message from worker: 46

Worker 46 finished

Master received message from worker: 48

Master received message from worker: 47

Master received message from worker: 48

Worker 48 finished

Master received message from worker: 49

Master received message from worker: 50

Master received message from worker: 52

Master received message from worker: 53

Master received message from worker: 54

Master received message from worker: 55

Master received message from worker: 56

Master received message from worker: 57

Master received message from worker: 58

Master received message from worker: 47

Worker 47 finished

Master received message from worker: 49

Worker 49 finished

Master received message from worker: 50

Worker 50 finished

Master received message from worker: 52

Worker 52 finished

Master received message from worker: 53

Worker 53 finished

Master received message from worker: 54

Worker 54 finished

Master received message from worker: 55

Worker 55 finished

Master received message from worker: 56

Worker 56 finished

Master received message from worker: 57

Worker 57 finished

Master received message from worker: 58

Worker 58 finished

Master received message from worker: 45

Master received message from worker: 59

Master received message from worker: 61

Master received message from worker: 62

Master received message from worker: 63

Master received message from worker: 64

Master received message from worker: 65

Master received message from worker: 34

Master received message from worker: 45

Worker 45 finished

Matches: []

Rank 72 sent message to 0

Matches: []

Rank 78 sent message to 0

Matches: []

Rank 86 sent message to 0

Matches: []

Rank 87 sent message to 0

Matches: []

Rank 68 sent message to 0

Matches: []

Rank 79 sent message to 0

Matches: []

Rank 85 sent message to 0

Master received message from worker: 59

Worker 59 finished

Master received message from worker: 61

Worker 61 finished

Matches: []

Rank 80 sent message to 0

Matches: []

Rank 81 sent message to 0

Master received message from worker: 62

Worker 62 finished

Matches: []

Rank 82 sent message to 0

Matches: []

Rank 83 sent message to 0

Master received message from worker: 63

Worker 63 finished

Matches: []

Rank 84 sent message to 0

Matches: []

Rank 88 sent message to 0

Master received message from worker: 64

Worker 64 finished

Master received message from worker: 65

Worker 65 finished

Master received message from worker: 34

Worker 34 finished

Master received message from worker: 66

Master received message from worker: 51

Master received message from worker: 60

Master received message from worker: 66

Worker 66 finished

Master received message from worker: 67

Master received message from worker: 69

Master received message from worker: 70

Master received message from worker: 71

Master received message from worker: 73

Master received message from worker: 74

Master received message from worker: 75

Master received message from worker: 76

Master received message from worker: 77

Master received message from worker: 51

Worker 51 finished

Master received message from worker: 60

Worker 60 finished

Master received message from worker: 67

Worker 67 finished

Master received message from worker: 69

Worker 69 finished

Master received message from worker: 70

Worker 70 finished

Master received message from worker: 71

Worker 71 finished

Master received message from worker: 73

Worker 73 finished

Master received message from worker: 74

Worker 74 finished

Master received message from worker: 75

Worker 75 finished

Master received message from worker: 77

Worker 77 finished

Master received message from worker: 76

Worker 76 finished

Master received message from worker: 78

Master received message from worker: 79

Master received message from worker: 80

Master received message from worker: 81

Master received message from worker: 82

Master received message from worker: 83

Master received message from worker: 84

Master received message from worker: 85

Master received message from worker: 86

Master received message from worker: 87

Master received message from worker: 88

Master received message from worker: 68

Master received message from worker: 72

Master received message from worker: 78

Worker 78 finished

Master received message from worker: 79

Worker 79 finished

Master received message from worker: 80

Worker 80 finished

Master received message from worker: 81

Worker 81 finished

Master received message from worker: 82

Worker 82 finished

Master received message from worker: 83

Worker 83 finished

Master received message from worker: 84

Worker 84 finished

Master received message from worker: 85

Worker 85 finished

Master received message from worker: 86

Worker 86 finished

Master received message from worker: 87

Worker 87 finished

Master received message from worker: 88

Worker 88 finished

Master received message from worker: 68

Worker 68 finished

Master received message from worker: 72

Worker 72 finished

Master received message from worker: 91

Master received message from worker: 89

Master received message from worker: 90

Master received message from worker: 91

Worker 91 finished

Master received message from worker: 89

Worker 89 finished

Master received message from worker: 90

Worker 90 finished

Master received message from worker: 92

Master received message from worker: 92

Worker 92 finished

Master received message from worker: 93

Master received message from worker: 93

Worker 93 finished

Matches: []

Rank 89 sent message to 0

Matches: []

Rank 90 sent message to 0

Matches: []

Rank 91 sent message to 0

Matches: []

Rank 92 sent message to 0

Matches: []

Rank 93 sent message to 0

Matches: []

Rank 94 sent message to 0

Matches: []

Rank 99 sent message to 0

Matches: []

Rank 95 sent message to 0

Matches: []

Rank 96 sent message to 0

Matches: []

Rank 97 sent message to 0

Matches: []

Rank 98 sent message to 0

Worker 14 ending

Worker 27 ending

Worker 31 ending

Worker 5 ending

Worker 23 ending

Worker 15 ending

Worker 17 ending

Worker 44 ending

Worker 9 ending

Worker 1 ending

Worker 2 ending

Worker 16 ending

Worker 3 ending

Worker 39 ending

Worker 4 ending

Worker 6 ending

Worker 7 ending

Worker 8 ending

Worker 42 ending

Worker 18 ending

Worker 19 ending

Worker 20 ending

Worker 21 ending

Worker 10 ending

Worker 22 ending

Worker 24 ending

Worker 25 ending

Worker 11 ending

Worker 32 ending

Worker 12 ending

Worker 13 ending

Worker 26 ending

Worker 80 ending

Worker 28 ending

Worker 36 ending

Worker 38 ending

Worker 60 ending

Worker 64 ending

Worker 57 ending

Worker 34 ending

Worker 43 ending

Worker 37 ending

Worker 30 ending

Worker 41 ending

Worker 29 ending

Worker 40 ending

Worker 65 ending

Worker 46 ending

Worker 47 ending

Worker 48 ending

Worker 49 ending

Worker 77 ending

Worker 50 ending

Worker 52 ending

Worker 53 ending

Worker 54 ending

Worker 55 ending

Worker 56 ending

Worker 45 ending

Worker 51 ending

Worker 58 ending

Worker 59 ending

Worker 33 ending

Worker 63 ending

Worker 35 ending

Worker 61 ending

Worker 73 ending

Worker 66 ending

Worker 85 ending

Worker 67 ending

Worker 69 ending

Worker 70 ending

Worker 87 ending

Worker 62 ending

Worker 71 ending

Worker 74 ending

Worker 94 ending

Worker 68 ending

Worker 72 ending

Worker 75 ending

Worker 76 ending

Worker 81 ending

Worker 83 ending

Worker 82 ending

Worker 88 ending

Worker 79 ending

Worker 78 ending

Worker 86 ending

Worker 84 ending

Master received message from worker: 94

Master received message from worker: 94

Worker 94 finished

Master received message from worker: 95

Master received message from worker: 96

Master received message from worker: 97

Master received message from worker: 98

Master received message from worker: 99

Master received message from worker: 95

Worker 95 finished

Master received message from worker: 96

Worker 96 finished

Master received message from worker: 97

Worker 97 finished

Master received message from worker: 98

Worker 98 finished

Master received message from worker: 99

Worker 99 finished

Master completed, GOODNIGHT!

Worker 89 ending

Worker 90 ending

Worker 91 ending

Worker 92 ending

Worker 93 ending

Worker 99 ending

Worker 95 ending

Worker 96 ending

Worker 97 ending

Worker 98 ending

[zardo.se.rit.edu:28308] 99 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[zardo.se.rit.edu:28308] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

real 116.14

user 204.34

sys 328.96

jm9963@zardo:~$