

```

[chrisreidy@cleese ~]$ cd /opt/ohpc/admin/UAbuild/raxml/
[chrisreidy@cleese raxml]$ ls
1.0.3.tar.gz          raxml-ng          v8.2.12.tar.gz
AAA_raxml-8.2.12-build  raxml-ng-1.0.3
AAA_raxml-ng-1.0.3-build  standard-RAXML-8.2.12
[chrisreidy@cleese raxml]$ cd raxml-ng
[chrisreidy@cleese raxml-ng]$ ls
bin  build  CMakeLists.txt  libs  LICENSE.txt  README.md  src  test
[chrisreidy@cleese raxml-ng]$ rm -rf build
[chrisreidy@cleese raxml-ng]$ module load bison
[chrisreidy@cleese raxml-ng]$ module load cmake
[chrisreidy@cleese raxml-ng]$ mkdir build && cd build
[chrisreidy@cleese build]$ VERBOSE=1 CC=gcc CXX=g++ cmake ..
-DCMAKE_INSTALL_PREFIX=/opt/ohpc/pub/apps/raxml-ng/1.0.3 -DUSE_MPI=ON
Re-run cmake no build system arguments
-- The C compiler identification is GNU 8.3.0
-- The CXX compiler identification is GNU 8.3.0
-- Check for working C compiler: /opt/ohpc/pub/compiler/gcc/8.3.0/bin/
gcc
-- Check for working C compiler: /opt/ohpc/pub/compiler/gcc/8.3.0/bin/
gcc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Detecting C compile features
-- Detecting C compile features - done
-- Check for working CXX compiler: /opt/ohpc/pub/compiler/gcc/8.3.0/
bin/g++
-- Check for working CXX compiler: /opt/ohpc/pub/compiler/gcc/8.3.0/
bin/g++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- Compiler: GNU 8.3.0 => /opt/ohpc/pub/compiler/gcc/8.3.0/bin/g++
-- Building RELEASE
-- Looking for pthread.h
-- Looking for pthread.h - found
-- Performing Test CMAKE_HAVE_LIBC_PTHREAD
-- Performing Test CMAKE_HAVE_LIBC_PTHREAD - Failed
-- Looking for pthread_create in pthreads
-- Looking for pthread_create in pthreads - not found
-- Looking for pthread_create in pthread
-- Looking for pthread_create in pthread - found
-- Found Threads: TRUE
-- Using flags: -std=c++11 -Wall -Wextra -D_RAXML_PTHREADS -pthread
-D_RAXML_TERRAPHAST
-- Building dependencies in: /opt/ohpc/admin/UAbuild/raxml/raxml-ng/
build/localdeps
-- pll-modules static build enabled
-- Found BISON: /opt/ohpc/pub/apps/bison/3.7.4/bin/bison (found

```

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version "3.7.4")
-- Found FLEX: /usr/bin/flex (found version "2.5.37")
-- SSE enabled. To disable it, run cmake with -DENABLE_SSE=false
-- AVX enabled. To disable it, run cmake with -DENABLE_AVX=false
-- AVX2 enabled. To disable it, run cmake with -DENABLE_AVX2=false
-- Libpll static build enabled
-- pll_static
-- Will compile pll-module optimize
-- Will compile pll-module algorithm
-- Will compile pll-module binary
-- Will compile pll-module msa
-- Will compile pll-module tree
-- Will compile pll-module util
-- clang-tidy not found.
-- Found MPI_C: /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/lib/libmpi.so
(found version "3.1")
-- Found MPI_CXX: /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/lib/
libmpi_cxx.so (found version "3.1")
-- Found MPI: TRUE (found version "3.1")
-- Found GTest: /usr/lib64/libgtest.so
-- Building tests
-- Configuring done
-- Generating done
-- Build files have been written to: /opt/ohpc/admin/UAbuild/raxml/
raxml-ng/build
[chrisreidy@cleese build]$ make install
[ 1%] [FLEX][lex_rtree_t] Building scanner with flex 2.5.37
[ 1%] [BISON][parse_utree_t] Building parser with bison 3.7.4
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_utree.y:168.1-14: warning: POSIX Yacc does not support
%error-verbose [-Wyacc]
  168 | %error-verbose
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_utree.y:168.1-14: warning: deprecated directive: '%error-
verbose', use '%define parse.error verbose' [-Wdeprecated]
  168 | %error-verbose
      | ^~~~~~
      | %define parse.error verbose
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_utree.y:170.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  170 | %destructor { pll_utree_graph_destroy($$,NULL); } subtree
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_utree.y:171.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  171 | %destructor { free($$); } STRING
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/

```

```
src/parse_utree.y:172.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  172 | %destructor { free($$); } NUMBER
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_utree.y:173.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  173 | %destructor { free($$); } label
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_utree.y: warning: fix-its can be applied. Rerun with option
'--update'. [-Wother]
[ 2%] [FLEX][lex_utree_t] Building scanner with flex 2.5.37
[ 2%] [BISON][parse_rtree_t] Building parser with bison 3.7.4
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_rtree.y:106.1-14: warning: POSIX Yacc does not support
%error-verbose [-Wyacc]
  106 | %error-verbose
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_rtree.y:106.1-14: warning: deprecated directive: '%error-
verbose', use '%define parse.error verbose' [-Wdeprecated]
  106 | %error-verbose
      | ^~~~~~
      | %define parse.error verbose
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_rtree.y:108.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  108 | %destructor { pll_rtree_graph_destroy($$,NULL); } subtree
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_rtree.y:109.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  109 | %destructor { free($$); } STRING
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_rtree.y:110.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  110 | %destructor { free($$); } NUMBER
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_rtree.y:111.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  111 | %destructor { free($$); } label
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/libs/libpll/
src/parse_rtree.y: warning: fix-its can be applied. Rerun with option
'--update'. [-Wother]
Scanning dependencies of target pll_obj
[ 2%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
```

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pll_obj.dir/compress.c.o
[ 3%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/parse_utree.c.o
[ 3%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/lex_utree.c.o
[ 4%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/parse_rtree.c.o
[ 4%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/lex_rtree.c.o
[ 5%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_derivatives.c.o
[ 5%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_likelihood.c.o
[ 6%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/corepartials.c.o
[ 6%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_pmatrix.c.o
[ 7%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/derivatives.c.o
[ 7%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/fasta.c.o
[ 8%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/fast_parsimony.c.o
[ 8%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/gamma.c.o
[ 9%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/hardware.c.o
[ 9%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/likelihood.c.o
[ 10%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/list.c.o
[ 10%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/maps.c.o
[ 11%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/models.c.o
[ 11%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/output.c.o
[ 12%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/parsimony.c.o
[ 12%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/partials.c.o
[ 13%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/phylip.c.o
[ 13%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/pll.c.o
[ 14%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/random.c.o
[ 14%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/repeats.c.o
[ 15%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
```

```
pll_obj.dir/rtree.c.o
[ 15%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/stepwise.c.o
[ 16%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/utree.c.o
[ 16%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/utree_moves.c.o
[ 17%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/utree_svg.c.o
[ 17%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_derivatives_sse.c.o
[ 18%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_likelihood_sse.c.o
[ 18%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/corepartials_sse.c.o
[ 19%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_pmatrix_sse.c.o
[ 19%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/fast_parsimony_sse.c.o
[ 20%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_derivatives_avx.c.o
[ 20%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_likelihood_avx.c.o
[ 21%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/corepartials_avx.c.o
[ 21%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_pmatrix_avx.c.o
[ 22%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/fast_parsimony_avx.c.o
[ 22%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_derivatives_avx2.c.o
[ 23%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_likelihood_avx2.c.o
[ 23%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/corepartials_avx2.c.o
[ 24%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/core_pmatrix_avx2.c.o
[ 24%] Building C object libs/pll-modules/libs/libpll/src/CMakeFiles/
pll_obj.dir/fast_parsimony_avx2.c.o
[ 24%] Built target pll_obj
Scanning dependencies of target pll_static
[ 25%] Linking C static library libpll.a
[ 25%] Built target pll_static
Scanning dependencies of target pllmodoptimize_obj
[ 25%] Building C object libs/pll-modules/src/optimize/CMakeFiles/
pllmodoptimize_obj.dir/__/pllmod_common.c.o
[ 26%] Building C object libs/pll-modules/src/optimize/CMakeFiles/
pllmodoptimize_obj.dir/lbfgsb/lbfgsb.c.o
[ 26%] Building C object libs/pll-modules/src/optimize/CMakeFiles/
pllmodoptimize_obj.dir/lbfgsb/linesearch.c.o
```

```
[ 27%] Building C object libs/pll-modules/src/optimize/CMakeFiles/
pllmodoptimize_obj.dir/lbfgsb/linpack.c.o
[ 27%] Building C object libs/pll-modules/src/optimize/CMakeFiles/
pllmodoptimize_obj.dir/lbfgsb/miniCBLAS.c.o
[ 28%] Building C object libs/pll-modules/src/optimize/CMakeFiles/
pllmodoptimize_obj.dir/lbfgsb/subalgorithms.c.o
[ 28%] Building C object libs/pll-modules/src/optimize/CMakeFiles/
pllmodoptimize_obj.dir/opt_algorithms.c.o
[ 29%] Building C object libs/pll-modules/src/optimize/CMakeFiles/
pllmodoptimize_obj.dir/pll_optimize.c.o
[ 29%] Built target pllmodoptimize_obj
Scanning dependencies of target pllmodoptimize_static
[ 29%] Linking C static library libpllmodoptimize.a
[ 29%] Built target pllmodoptimize_static
Scanning dependencies of target pllmodalgorithm_obj
[ 29%] Building C object libs/pll-modules/src/algorithm/CMakeFiles/
pllmodalgorithm_obj.dir/__/pllmod_common.c.o
[ 30%] Building C object libs/pll-modules/src/algorithm/CMakeFiles/
pllmodalgorithm_obj.dir/algo_callback.c.o
[ 30%] Building C object libs/pll-modules/src/algorithm/CMakeFiles/
pllmodalgorithm_obj.dir/algo_search.c.o
[ 31%] Building C object libs/pll-modules/src/algorithm/CMakeFiles/
pllmodalgorithm_obj.dir/pllmod_algorithm.c.o
[ 31%] Built target pllmodalgorithm_obj
Scanning dependencies of target pllmodalgorithm_static
[ 31%] Linking C static library libpllmodalgorithm.a
[ 31%] Built target pllmodalgorithm_static
Scanning dependencies of target pllmodbinary_obj
[ 32%] Building C object libs/pll-modules/src/binary/CMakeFiles/
pllmodbinary_obj.dir/__/pllmod_common.c.o
[ 32%] Building C object libs/pll-modules/src/binary/CMakeFiles/
pllmodbinary_obj.dir/binary_io_operations.c.o
[ 33%] Building C object libs/pll-modules/src/binary/CMakeFiles/
pllmodbinary_obj.dir/pll_binary.c.o
[ 33%] Built target pllmodbinary_obj
Scanning dependencies of target pllmodbinary_static
[ 33%] Linking C static library libpllmodbinary.a
[ 33%] Built target pllmodbinary_static
Scanning dependencies of target pllmodmsa_obj
[ 34%] Building C object libs/pll-modules/src/msa/CMakeFiles/
pllmodmsa_obj.dir/__/pllmod_common.c.o
[ 34%] Building C object libs/pll-modules/src/msa/CMakeFiles/
pllmodmsa_obj.dir/pll_msa.c.o
[ 34%] Built target pllmodmsa_obj
Scanning dependencies of target pllmodmsa_static
[ 35%] Linking C static library libpllmodmsa.a
[ 35%] Built target pllmodmsa_static
[ 35%] [FLEX][lex_split_t] Building scanner with flex 2.5.37
[ 36%] [BISON][split_utree_t] Building parser with bison 3.7.4
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/src/tree/
```

```
split_utree.y:76.1-14: warning: POSIX Yacc does not support %error-
verbose [-Wyacc]
  76 | %error-verbose
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/src/tree/
split_utree.y:76.1-14: warning: deprecated directive: '%error-
verbose', use '%define parse.error verbose' [-Wdeprecated]
  76 | %error-verbose
      | ^~~~~~
      | %define parse.error verbose
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/src/tree/
split_utree.y:79.1-11: warning: POSIX Yacc does not support
%destructor [-Wyacc]
  79 | %destructor { } subtree
      | ^~~~~~
/opt/ohpc/admin/UAbuild/raxml/raxml-ng/libs/pll-modules/src/tree/
split_utree.y: warning: fix-its can be applied.  Rerun with option '--
update'. [-Wother]
```

Scanning dependencies of target pllmodtree_obj

```
[ 37%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/consensus.c.o
[ 37%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/pll_tree.c.o
[ 38%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/rtree_operations.c.o
[ 38%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/tree_hashtable.c.o
[ 39%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/treeinfo.c.o
[ 39%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/utree_distances.c.o
[ 40%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/tbe_functions.c.o
[ 40%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/utree_operations.c.o
[ 41%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/split_utree.c.o
[ 41%] Building C object libs/pll-modules/src/tree/CMakeFiles/
pllmodtree_obj.dir/lex_split.c.o
[ 41%] Built target pllmodtree_obj
```

Scanning dependencies of target pllmodtree_static

```
[ 42%] Linking C static library libpllmodtree.a
[ 42%] Built target pllmodtree_static
```

Scanning dependencies of target pllmodutil_obj

```
[ 42%] Building C object libs/pll-modules/src/util/CMakeFiles/
pllmodutil_obj.dir/__/pllmod_common.c.o
[ 43%] Building C object libs/pll-modules/src/util/CMakeFiles/
pllmodutil_obj.dir/models.c.o
[ 43%] Building C object libs/pll-modules/src/util/CMakeFiles/
pllmodutil_obj.dir/models_aa.c.o
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[ 44%] Building C object libs/pll-modules/src/util/CMakeFiles/
pllmodutil_obj.dir/models_dna.c.o
[ 44%] Building C object libs/pll-modules/src/util/CMakeFiles/
pllmodutil_obj.dir/models_gt.c.o
[ 45%] Building C object libs/pll-modules/src/util/CMakeFiles/
pllmodutil_obj.dir/models_mult.c.o
[ 45%] Built target pllmodutil_obj
Scanning dependencies of target pllmodutil_static
[ 45%] Linking C static library libpllmodutil.a
[ 45%] Built target pllmodutil_static
Scanning dependencies of target terraces
[ 45%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/advanced.cpp.o
[ 46%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/bigint.cpp.o
[ 46%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/bipartitions.cpp.o
[ 47%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/bitmatrix.cpp.o
[ 47%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/clamped_uint.cpp.o
[ 48%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/constraints.cpp.o
[ 48%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/errors.cpp.o
[ 49%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/multitree.cpp.o
[ 49%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/multitree_iterator.cpp.o
[ 50%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/nodes.cpp.o
[ 50%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/parser.cpp.o
[ 51%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/rooting.cpp.o
[ 51%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/simple.cpp.o
[ 52%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/subtree_extraction.cpp.o
[ 52%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/supertree_helpers.cpp.o
[ 53%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/trees.cpp.o
[ 53%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/union_find.cpp.o
[ 54%] Building CXX object libs/terrasthast/CMakeFiles/terraces.dir/
lib/validation.cpp.o
[ 55%] Linking CXX static library ../../localdeps/lib/libterraces.a
[ 55%] Built target terraces
Scanning dependencies of target raxml_module
```



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[ 56%] Building CXX object src/CMakeFiles/raxml_module.dir/
AncestralStates.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
AncestralStates.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
AncestralStates.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                     ^~~~~

```

```

[ 56%] Building CXX object src/CMakeFiles/raxml_module.dir/
Checkpoint.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Checkpoint.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Checkpoint.cpp:3:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':

```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
^~~~~
```

```
[ 57%] Building CXX object src/CMakeFiles/raxml_module.dir/  
CommandLineParser.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
common.h:23,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
Options.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
CommandLineParser.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
CommandLineParser.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```

[ 57%] Building CXX object src/CMakeFiles/raxml_module.dir/
ICScoreCalculator.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ICScoreCalculator.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ICScoreCalculator.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

```

```

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

```

```

[ 58%] Building CXX object src/CMakeFiles/raxml_module.dir/MSA.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
MSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
MSA.cpp:4:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':

```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 58%] Building CXX object src/CMakeFiles/raxml_module.dir/Model.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
common.h:23,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
Model.hpp:6,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
Model.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 59%] Building CXX object src/CMakeFiles/raxml_module.dir/  
Optimizer.cpp.o
```

```

In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
TreeInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Optimizer.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Optimizer.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                                                    ^~~~~

[ 60%] Building CXX object src/CMakeFiles/raxml_module.dir/
Options.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Options.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Options.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':

```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~
```

```
[ 60%] Building CXX object src/CMakeFiles/raxml_module.dir/
ParallelContext.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~
```

```
[ 61%] Building CXX object src/CMakeFiles/raxml_module.dir/
PartitionInfo.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
```

```

mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionInfo.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 61%] Building CXX object src/CMakeFiles/raxml_module.dir/
PartitionedMSA.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionedMSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionedMSA.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,

```

```
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
ompi_op_set_cxx_callback(ompi_op, (MPI_User_function*) func);
```

```
[ 62%] Building CXX object src/CMakeFiles/raxml_module.dir/  
PartitionedMSAView.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
common.h:23,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
PartitionInfo.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
PartitionedMSA.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
PartitionedMSAView.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
PartitionedMSAView.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
ompi_op_set_cxx_callback(ompi_op, (MPI_User_function*) func);
```


[62%] Building CXX object src/CMakeFiles/raxml_module.dir/Tree.cpp.o

In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,

from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,

from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,

from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,

from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Tree.hpp:4,

from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Tree.cpp:3:

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)

(const void*, void*, int, const MPI::Datatype&), bool)':

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: **warning:** cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]

(void)MPI_Op_create((MPI_User_function*)

ompi_mpi_cxx_op_intercept,

^~~~~~

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: **warning:** cast between incompatible function types

from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]

ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

^~~~~

[63%] Building CXX object src/CMakeFiles/raxml_module.dir/
TreeInfo.cpp.o

In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,

from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,

from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,

from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,

from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
TreeInfo.hpp:4,

from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
TreeInfo.cpp:3:

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)

(const void*, void*, int, const MPI::Datatype&), bool)':

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/

```
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 63%] Building CXX object src/CMakeFiles/raxml_module.dir/autotune/
ResourceEstimator.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
autotune/./ParallelContext.hpp:15,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
autotune/./common.h:23,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
autotune/./PartitionInfo.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
autotune/./PartitionedMSA.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
autotune/ResourceEstimator.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
autotune/ResourceEstimator.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
```

```

    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~
[ 64%] Building CXX object src/CMakeFiles/raxml_module.dir/bootstrap/
BootstrapCheck.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapCheck.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapCheck.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
    ~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~
[ 64%] Building CXX object src/CMakeFiles/raxml_module.dir/bootstrap/
BootstrapGenerator.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/

```

```

bootstrap/./PartitionedMSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapGenerator.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapGenerator.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 65%] Building CXX object src/CMakeFiles/raxml_module.dir/bootstrap/
BootstrapTree.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapTree.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]

```

```

        (void)MPI_Op_create((MPI_User_function*)
mpi_mpi_cxx_op_intercept,
~~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
        mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
~~~~~~
[ 65%] Building CXX object src/CMakeFiles/raxml_module.dir/bootstrap/
ConsensusTree.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
        from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/ConsensusTree.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/ConsensusTree.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
        (void)MPI_Op_create((MPI_User_function*)
mpi_mpi_cxx_op_intercept,
~~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
        mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
~~~~~~
[ 66%] Building CXX object src/CMakeFiles/raxml_module.dir/bootstrap/
SupportTree.cpp.o

```

```

In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                                                    ^~~~~

[ 66%] Building CXX object src/CMakeFiles/raxml_module.dir/bootstrap/
TransferBootstrapTree.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/TransferBootstrapTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/

```

```

bootstrap/TransferBootstrapTree.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 67%] Building CXX object src/CMakeFiles/raxml_module.dir/io/
NewickStream.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
file_io.hpp:6,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
NewickStream.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types

```

```
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 67%] Building CXX object src/CMakeFiles/raxml_module.dir/io/  
RBAStream.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
io/./ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
io/./common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
io/./Tree.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/  
file_io.hpp:6,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/  
RBAStream.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)  
(const void*, void*, int, const MPI::Datatype&))' to 'void (*)  
(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
    ompi_mpi_cxx_op_intercept,
```

```
~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
```

```
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 68%] Building CXX object src/CMakeFiles/raxml_module.dir/io/  
ancestral_io.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
io/./ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
io/./common.h:23,
```



```

        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Tree.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
file_io.hpp:6,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
ancestral_io.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 68%] Building CXX object src/CMakeFiles/raxml_module.dir/io/
binary_io.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
        from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Model.hpp:6,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
binary_io.hpp:5,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
binary_io.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)

```

```
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 69%] Building CXX object src/CMakeFiles/raxml_module.dir/io/  
msa_streams.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
io/./ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
io/./common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
io/./Tree.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/  
file_io.hpp:6,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/  
msa_streams.cpp:5:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 69%] Building CXX object src/CMakeFiles/raxml_module.dir/io/  
part_info.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
```

```

mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
file_io.hpp:6,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
part_info.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
[ 70%] Building CXX object src/CMakeFiles/raxml_module.dir/
loadbalance/BenoitLoadBalancer.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/LoadBalancer.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/BenoitLoadBalancer.cpp:8:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,

```

```
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 70%] Building CXX object src/CMakeFiles/raxml_module.dir/  
loadbalance/CoarseLoadBalancer.cpp.o
```

```
[ 71%] Building CXX object src/CMakeFiles/raxml_module.dir/  
loadbalance/KassianLoadBalancer.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
loadbalance/./ParallelContext.hpp:15,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
loadbalance/./common.h:23,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
loadbalance/LoadBalancer.hpp:5,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
loadbalance/KassianLoadBalancer.cpp:6:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 71%] Building CXX object src/CMakeFiles/raxml_module.dir/  
loadbalance/LoadBalancer.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/LoadBalancer.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/LoadBalancer.cpp:5:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~
```

```
[ 72%] Building CXX object src/CMakeFiles/raxml_module.dir/
loadbalance/PartitionAssignment.cpp.o
[ 72%] Building CXX object src/CMakeFiles/raxml_module.dir/log.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
log.hpp:9,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
log.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
```

```
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 73%] Building CXX object src/CMakeFiles/raxml_module.dir/main.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
main.cpp:28:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 73%] Building CXX object src/CMakeFiles/raxml_module.dir/topology/
RFDistCalculator.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
```

```

topology/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/RFDistCalculator.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/RFDistCalculator.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 74%] Building CXX object src/CMakeFiles/raxml_module.dir/util/
EnergyMonitor.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/util/
EnergyMonitor.cpp:3:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

```

```

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ^~~~~

[ 74%] Building CXX object src/CMakeFiles/raxml_module.dir/util/
SafetyCheck.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/cxx/mpicxx.h:277,
                 from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
                 from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./ParallelContext.hpp:15,
                 from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./common.h:23,
                 from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/util/
SafetyCheck.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ^~~~~

[ 75%] Building CXX object src/CMakeFiles/raxml_module.dir/util/
SystemTimer.cpp.o
[ 75%] Building CXX object src/CMakeFiles/raxml_module.dir/util/
parseutil.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/cxx/mpicxx.h:277,
                 from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
                 from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./ParallelContext.hpp:15,

```



```

        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/util/
parseutil.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                     ^~~~~

[ 76%] Building CXX object src/CMakeFiles/raxml_module.dir/util/
sysutil.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
        from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/util/
sysutil.cpp:17:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to

```

```

'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~

[ 76%] Building CXX object src/CMakeFiles/raxml_module.dir/terraces/
TerraceWrapper.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/./PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/./PartitionedMSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/TerraceWrapper.cpp:3:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~

[ 77%] Linking CXX executable ../bin/raxml-ng-mpi
[ 77%] Built target raxml_module
Scanning dependencies of target raxml_test_module
[ 77%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/AncestralStates.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,

```

```

        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
AncestralStates.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
AncestralStates.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
        (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
        ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 78%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/Checkpoint.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/cxx/mpicxx.h:277,
        from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Checkpoint.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Checkpoint.cpp:3:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
        (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

```

```
~~~~~  
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);  
                                ~~~~~
```

```
[ 78%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/CommandLineParser.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
Options.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
CommandLineParser.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
CommandLineParser.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
    ompi_mpi_cxx_op_intercept,
```

```
~~~~~  
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);  
                                ~~~~~
```

```
[ 79%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/ICScoreCalculator.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
```

```

ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ICScoreCalculator.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ICScoreCalculator.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 79%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/MSA.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
MSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
MSA.cpp:4:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

```

```

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ^~~~~
[ 80%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/Model.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Model.hpp:6,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Model.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ^~~~~
[ 80%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/Optimizer.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,

```

```

common.h:23,
TreeInfo.hpp:4,
Optimizer.hpp:4,
Optimizer.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 81%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/Options.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/cxx/mpicxx.h:277,
from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
ParallelContext.hpp:15,
common.h:23,
Options.hpp:4,
Options.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)

```

```
mpi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, mpi_datatype_t**)' [-Wcast-function-  
type]
```

```
    mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);  
                                ^~~~~
```

```
[ 81%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/ParallelContext.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, mpi_datatype_t**, void (*)(void*,  
void*, int*, mpi_datatype_t**))' to 'void (*)(void*, void*, int*,  
mpi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
mpi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, mpi_datatype_t**)' [-Wcast-function-  
type]
```

```
    mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);  
                                ^~~~~
```

```
[ 82%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/PartitionInfo.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
```



```

PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionInfo.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                     ^~~~~

[ 82%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/PartitionedMSA.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionedMSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionedMSA.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~

```

```

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ~~~~~

[ 83%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/PartitionedMSAView.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionedMSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionedMSAView.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
PartitionedMSAView.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
~~~~~

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ~~~~~

[ 83%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/Tree.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,

```

```

        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Tree.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Tree.cpp:3:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
        (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
        ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 84%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/TreeInfo.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
        from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
TreeInfo.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
TreeInfo.cpp:3:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
        (void)MPI_Op_create((MPI_User_function*)

```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(ompi_op, (MPI_User_function*) func);  
                                ^~~~~
```

```
[ 84%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/autotune/ResourceEstimator.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
autotune/./ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
autotune/./common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
autotune/./PartitionInfo.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
autotune/./PartitionedMSA.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
autotune/ResourceEstimator.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
autotune/ResourceEstimator.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(ompi_op, (MPI_User_function*) func);  
                                ^~~~~
```

```
[ 85%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/bootstrap/BootstrapCheck.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
```

```

openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstopCheck.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstopCheck.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                     ^~~~~

[ 85%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/bootstrap/BootstrapGenerator.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./PartitionedMSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapGenerator.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapGenerator.cpp:1:

```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 86%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/bootstrap/BootstrapTree.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapTree.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/BootstrapTree.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
```

```

op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ~~~~~

[ 86%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/bootstrap/ConsensusTree.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/ConsensusTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/ConsensusTree.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ~~~~~

[ 87%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/bootstrap/SupportTree.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/

```

```

bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, mpi_datatype_t**, void (*)(void*,
void*, int*, mpi_datatype_t**))' to 'void (*)(void*, void*, int*,
mpi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
mpi_mpi_cxx_op_intercept,

~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, mpi_datatype_t**)' [-Wcast-function-
type]
    mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                     ~~~~~

[ 87%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/bootstrap/TransferBootstrapTree.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/SupportTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/TransferBootstrapTree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
bootstrap/TransferBootstrapTree.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/

```



```
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
```

```
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 88%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/io/NewickStream.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
```

```
from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Tree.hpp:4,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
file_io.hpp:6,
```

```
from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
NewickStream.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
```

```
(void)MPI_Op_create((MPI_User_function*)
```

```
ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
```

```
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
```

```
ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 88%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/io/RBASStream.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Tree.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
file_io.hpp:6,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
RBASStream.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
    ompi_mpi_cxx_op_intercept,
```

```
~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 89%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/io/ancestral_io.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Tree.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
file_io.hpp:6,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
```

```

ancestral_io.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 89%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/io/binary_io.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Model.hpp:6,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
binary_io.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
binary_io.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types

```

```

from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ^~~~~

[ 90%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/io/msa_streams.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Tree.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
file_io.hpp:6,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
msa_streams.cpp:5:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ^~~~~

[ 90%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/io/part_info.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./common.h:23,

```

```

        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
io/./Tree.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
file_io.hpp:6,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/io/
part_info.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 91%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_src/loadbalance/BenoitLoadBalancer.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/cxx/mpicxx.h:277,
        from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/LoadBalancer.hpp:5,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/BenoitLoadBalancer.cpp:8:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

```

```

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~

[ 91%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
___/src/loadbalance/CoarseLoadBalancer.cpp.o
[ 92%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
___/src/loadbalance/KassianLoadBalancer.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/LoadBalancer.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/KassianLoadBalancer.cpp:6:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
    ~~~~~

/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
    ~~~~~

[ 92%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
___/src/loadbalance/LoadBalancer.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/

```

```

loadbalance/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/LoadBalancer.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
loadbalance/LoadBalancer.cpp:5:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 93%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/loadbalance/PartitionAssignment.cpp.o
[ 93%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/log.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/ompi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
log.hpp:9,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
log.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

```

```

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ^~~~~
[ 94%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/terraces/TerraceWrapper.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/./PartitionInfo.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/./PartitionedMSA.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
terraces/TerraceWrapper.cpp:3:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                ^~~~~
[ 94%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/topology/RFDistCalculator.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,

```



```

        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/./ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/./common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/./Tree.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/RFDistCalculator.hpp:4,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
topology/RFDistCalculator.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
        (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
        ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
                                                                    ^~~~~

[ 95%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_/src/util/EnergyMonitor.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
        from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./ParallelContext.hpp:15,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./common.h:23,
        from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/util/
EnergyMonitor.cpp:3:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
        (void)MPI_Op_create((MPI_User_function*)

```

```
mpi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);  
                                ^~~~~
```

```
[ 95%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/util/SafetyCheck.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
util/./ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
util/./common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/util/  
SafetyCheck.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)  
(void*, void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
mpi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);  
                                ^~~~~
```

```
[ 96%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/util/SystemTimer.cpp.o
```

```
[ 96%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
__/_/src/util/parseutil.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
```

```

util/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/util/
parseutil.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 97%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
__/_src/util/sysutil.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
util/./common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/util/
sysutil.cpp:17:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types

```

```
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 97%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
CommandLineParserTest.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
Options.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/  
RaxmlTest.hpp:5,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/  
CommandLineParserTest.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,  
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,  
ompi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
    ompi_mpi_cxx_op_intercept,
```

```
^~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
```

```
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-  
type]
```

```
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 98%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
LoadBalanceTest.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
common.h:23,
```

```

Options.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
RaxmlTest.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/
LoadBalanceTest.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,

^~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);

[ 98%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/
ModelTest.cpp.o
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
openmpi/mpi/mpi/cxx/mpicxx.h:277,
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Options.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/
RaxmlTest.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/
ModelTest.cpp:1:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)

```

```
mpi_mpi_cxx_op_intercept,
```

```
~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, mpi_datatype_t**)' [-Wcast-function-  
type]
```

```
    mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 99%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
PartitionedMSAViewTest.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
mpi.h:2693,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
ParallelContext.hpp:15,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
common.h:23,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/  
Options.hpp:4,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/  
RaxmlTest.hpp:5,
```

```
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/  
PartitionedMSAViewTest.cpp:1:
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)  
(const void*, void*, int, const MPI::Datatype&), bool)':
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:121:46: warning: cast between incompatible function types  
from 'void (*)(void*, void*, int*, mpi_datatype_t**, void (*)(void*,  
void*, int*, mpi_datatype_t**))' to 'void (*)(void*, void*, int*,  
mpi_datatype_t**)' [-Wcast-function-type]
```

```
    (void)MPI_Op_create((MPI_User_function*)
```

```
mpi_mpi_cxx_op_intercept,
```

```
~~~~~
```

```
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/mpi/mpi/cxx/  
op_inln.h:123:59: warning: cast between incompatible function types  
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to  
'void (*)(void*, void*, int*, mpi_datatype_t**)' [-Wcast-function-  
type]
```

```
    mpi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
```

```
[ 99%] Building CXX object test/src/CMakeFiles/raxml_test_module.dir/  
mainTest.cpp.o
```

```
In file included from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/  
openmpi/mpi/mpi/cxx/mpicxx.h:277,
```

```
    from /opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/
```

```

mpi.h:2693,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
ParallelContext.hpp:15,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
common.h:23,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/src/
Options.hpp:4,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/
RaxmlTest.hpp:5,
    from /opt/ohpc/admin/UAbuild/raxml/raxml-ng/test/src/
mainTest.cpp:5:
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h: In member function 'virtual void MPI::Op::Init(void (*)
(const void*, void*, int, const MPI::Datatype&), bool)':
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:121:46: warning: cast between incompatible function types
from 'void (*)(void*, void*, int*, ompi_datatype_t**, void (*)(void*,
void*, int*, ompi_datatype_t**))' to 'void (*)(void*, void*, int*,
ompi_datatype_t**)' [-Wcast-function-type]
    (void)MPI_Op_create((MPI_User_function*)
ompi_mpi_cxx_op_intercept,
~~~~~
/opt/ohpc/pub/mpi/openmpi3-gnu8/3.1.4/include/openmpi/ompi/mpi/cxx/
op_inln.h:123:59: warning: cast between incompatible function types
from 'void (*)(const void*, void*, int, const MPI::Datatype&)' to
'void (*)(void*, void*, int*, ompi_datatype_t**)' [-Wcast-function-
type]
    ompi_op_set_cxx_callback(mpi_op, (MPI_User_function*) func);
~~~~~
[100%] Linking CXX executable ../../test/bin/raxml_test
CMakeFiles/raxml_test_module.dir/CommandLineParserTest.cpp.o: In
function `testing::AssertionResult
testing::internal::CmpHelperFloatingPointEQ<double>(char const*, char
const*, double, double)':
CommandLineParserTest.cpp:
(.text._ZN7testing8internal24CmpHelperFloatingPointEQIdEENS_15Assertio
nResultEPKcS4_T_S5_[_ZN7testing8internal24CmpHelperFloatingPointEQIdEE
NS_15AssertionResultEPKcS4_T_S5_]+0x150): undefined reference to
`testing::internal::StringStreamToString(std::__cxx11::basic_stringstr
eam<char, std::char_traits<char>, std::allocator<char> >*)'
CommandLineParserTest.cpp:
(.text._ZN7testing8internal24CmpHelperFloatingPointEQIdEENS_15Assertio
nResultEPKcS4_T_S5_[_ZN7testing8internal24CmpHelperFloatingPointEQIdEE
NS_15AssertionResultEPKcS4_T_S5_]+0x15f): undefined reference to
`testing::internal::StringStreamToString(std::__cxx11::basic_stringstr
eam<char, std::char_traits<char>, std::allocator<char> >*)'
CMakeFiles/raxml_test_module.dir/CommandLineParserTest.cpp.o: In
function `std::__cxx11::basic_string<char, std::char_traits<char>,
std::allocator<char> >

```

```

testing::PrintToString<std::__cxx11::basic_string<char,
std::char_traits<char>, std::allocator<char> >
>(std::__cxx11::basic_string<char, std::char_traits<char>,
std::allocator<char> > const&)':
CommandLineParserTest.cpp:
(.text._ZN7testing13PrintToStringINSt7__cxx1112basic_stringIcSt11char_
traitsIcESaIcEEEEES6_RKT_[_ZN7testing13PrintToStringINSt7__cxx1112basi
c_stringIcSt11char_traitsIcESaIcEEEEES6_RKT_]+0x15f): undefined
reference to
`testing::internal::PrintStringTo(std::__cxx11::basic_string<char,
std::char_traits<char>, std::allocator<char> > const&, std::ostream*)'
CMakeFiles/raxml_test_module.dir/LoadBalanceTest.cpp.o: In function
`check_common(PartitionAssignment const&,
std::vector<PartitionAssignment, std::allocator<PartitionAssignment> >
const&)':
LoadBalanceTest.cpp:(.text+0x5a6): undefined reference to
`testing::internal::StringStreamToString(std::__cxx11::basic_stringstr
eam<char, std::char_traits<char>, std::allocator<char> >*)'
LoadBalanceTest.cpp:(.text+0x69c): undefined reference to
`testing::internal::StringStreamToString(std::__cxx11::basic_stringstr
eam<char, std::char_traits<char>, std::allocator<char> >*)'
LoadBalanceTest.cpp:(.text+0x78a): undefined reference to
`testing::internal::StringStreamToString(std::__cxx11::basic_stringstr
eam<char, std::char_traits<char>, std::allocator<char> >*)'
LoadBalanceTest.cpp:(.text+0x87f): undefined reference to
`testing::internal::StringStreamToString(std::__cxx11::basic_stringstr
eam<char, std::char_traits<char>, std::allocator<char> >*)'
LoadBalanceTest.cpp:(.text+0xae5): undefined reference to
`testing::internal::StringStreamToString(std::__cxx11::basic_stringstr
eam<char, std::char_traits<char>, std::allocator<char> >*)'
CMakeFiles/raxml_test_module.dir/
LoadBalanceTest.cpp.o:LoadBalanceTest.cpp:(.text+0xbd4): more
undefined references to
`testing::internal::StringStreamToString(std::__cxx11::basic_stringstr
eam<char, std::char_traits<char>, std::allocator<char> >*)' follow
CMakeFiles/raxml_test_module.dir/PartitionedMSAViewTest.cpp.o: In
function `test_identity(PartitionedMSA const&, PartitionedMSAView
const&)':
PartitionedMSAViewTest.cpp:(.text+0x2107): undefined reference to
`testing::internal::PrintStringTo(std::__cxx11::basic_string<char,
std::char_traits<char>, std::allocator<char> > const&, std::ostream*)'
PartitionedMSAViewTest.cpp:(.text+0x2424): undefined reference to
`testing::internal::PrintStringTo(std::__cxx11::basic_string<char,
std::char_traits<char>, std::allocator<char> > const&, std::ostream*)'
collect2: error: ld returned 1 exit status
make[2]: *** [../test/bin/raxml_test] Error 1
make[1]: *** [test/src/CMakeFiles/raxml_test_module.dir/all] Error 2
make: *** [all] Error 2
[chrisreidy@cleese build]$

```