

# NMF: Unit testing results\*

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NMF version 0.16.5 as of May 12, 2013

## 1 Details

RUNIT TEST PROTOCOL -- Sun May 12 12:03:47 2013

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Number of test functions: 81

Number of deactivated test functions: 4

Number of errors: 0

Number of failures: 0

1 Test Suite :

package:NMF - 81 test functions, 0 errors, 0 failures

Details

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Test Suite: package:NMF

Test function regexp: ^test.

Test file regexp: ^runit.\*[rR]\$

Involved directory:

/tmp/Rpkglib\_5e557a0d88bf/NMF/tests

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Test file: /tmp/Rpkglib\_5e557a0d88bf/NMF/tests/runit.aheatmap.R

test.mfrow: (1 checks) ... OK (0.53 seconds)

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Test file: /tmp/Rpkglib\_5e557a0d88bf/NMF/tests/runit.algorithms.r

test.brunet: (16 checks) ... OK (3.89 seconds)

test.cversions.brunet: (1 checks) ... OK (0.95 seconds)

test.cversions.lee: (1 checks) ... OK (1.12 seconds)

test.cversions.lnmf : DEACTIVATED, Algorithm 'lnmf' is not fully working.

test.cversions.ns: (1 checks) ... OK (1.21 seconds)

test.cversions.offset: (1 checks) ... OK (2.45 seconds)

test.frobenius: (16 checks) ... OK (5.47 seconds)

test.KL: (16 checks) ... OK (4.48 seconds)

test.lee: (16 checks) ... OK (3.74 seconds)

test.lnmf : DEACTIVATED, Algorithm 'lnmf' is not fully working.

test.ns: (16 checks) ... OK (3.9 seconds)

test.offset: (16 checks) ... OK (3.91 seconds)

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\*Vignette computed on Sun May 12 12:03:48 2013

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test.port_brunet: (9 checks) ... OK (4.29 seconds)
test.snmf: (44 checks) ... OK (8.55 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.bioc.r
test.access: (26 checks) ... OK (0.02 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.distance.r
test.KL: (9 checks) ... OK (1.14 seconds)
test.rss: (4 checks) ... OK (0.09 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.interface.r
test.compare: (5 checks) ... OK (8.07 seconds)
test.nmf.callback: (22 checks) ... OK (11.43 seconds)
test.nmf.custom: (87 checks) ... OK (1.24 seconds)
test.nmf.default: (8 checks) ... OK (0.21 seconds)
test.nmf.dots: (11 checks) ... OK (0.74 seconds)
test.nmf.method: (24 checks) ... OK (5.1 seconds)
test.nmf.model: (22 checks) ... OK (0.66 seconds)
test.nmf.multirank: (10 checks) ... OK (3.54 seconds)
test.nmf.options: (18 checks) ... OK (3.69 seconds)
test.nmf.parameters: (53 checks) ... OK (0.64 seconds)
test.nmf.seed.argument: (127 checks) ... OK (6.09 seconds)
test.nmf.seed.equivalent: (11 checks) ... OK (8.01 seconds)
test.nmf.seed.fault: (4 checks) ... OK (1.56 seconds)
test.nmf.seed.repro: (8 checks) ... OK (9.54 seconds)
test.nmf.stop: (6 checks) ... OK (2.37 seconds)
test.parallel: (6 checks) ... OK (8.66 seconds)
test.registry: (9 checks) ... OK (0.16 seconds)
test.seed: (33 checks) ... OK (0.16 seconds)
test.summary: (3 checks) ... OK (1.94 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.NMFclass.r
test.basis: (2 checks) ... OK (0 seconds)
test.class.NMFns: (65 checks) ... OK (0.03 seconds)
test.class.NMFstd: (28 checks) ... OK (0.01 seconds)
test.coef: (2 checks) ... OK (0 seconds)
test.connectivity: (3 checks) ... OK (0.01 seconds)
test.deviance: (9 checks) ... OK (0.01 seconds)
test.dimensions: (4 checks) ... OK (0 seconds)
test.dimnames: (173 checks) ... OK (0.06 seconds)
test.entropy: (5 checks) ... OK (0 seconds)
test.misc: (9 checks) ... OK (0 seconds)
test.nmfModel: (363 checks) ... OK (0.12 seconds)
test.NMF.rnmf: (93 checks) ... OK (1.07 seconds)
test.predict: (10 checks) ... OK (0.01 seconds)
test.purity: (5 checks) ... OK (0 seconds)
test.sparseness: (13 checks) ... OK (0.01 seconds)
test.subset: (51 checks) ... OK (0.04 seconds)
test.syntheticNMF: (5 checks) ... OK (1.3 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.NMFfit-class.r
test.deviance: (0 checks) ... OK (0 seconds)
test.isNMFfit: (6 checks) ... OK (1.77 seconds)
test.niter: (4 checks) ... OK (0.91 seconds)
test.nmf.equal: (304 checks) ... OK (2.05 seconds)

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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.NMFSet.r
test.fit: (9 checks) ... OK (2.31 seconds)
test.interface: (6 checks) ... OK (1.2 seconds)
test.join.multipleAndSingleRunsMethods: (2 checks) ... OK (2.4 seconds)
test.join.multipleRuns: (2 checks) ... OK (2.8 seconds)
test.join.singleRuns: (7 checks) ... OK (0.73 seconds)
test.multipleruns: (2 checks) ... OK (1.19 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.NMFStrategy-class.r
test.accessors: (26 checks) ... OK (0.04 seconds)
test.constructor: (16 checks) ... OK (0.04 seconds)
test.constructorMethod: (3 checks) ... OK (0.03 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.options.r
test.nmf.getOption: (2 checks) ... OK (0 seconds)
test.nmf.options: (9 checks) ... OK (0 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.parallel.r
test.ForeachBackend: (4 checks) ... OK (1.37 seconds)
test.gVariable: (11 checks) ... OK (8.96 seconds)
test.nmf: (59 checks) ... OK (32.08 seconds)
test.setupBackend: (4 checks) ... OK (0.08 seconds)
test.shared_memory_doMC: (12 checks) ... OK (6.11 seconds)
test.shared_memory_doMPI : DEACTIVATED, NMF shared memory feature does not currently work with doMPI.
test.shared_memory_doParallel: (12 checks) ... OK (8.95 seconds)
test.shared_memory_doSEQ: (11 checks) ... OK (6.48 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.seed.r
test.nndsvd: (10 checks) ... OK (0.04 seconds)
test.none: (6 checks) ... OK (0.05 seconds)
test.random: (26 checks) ... OK (0.14 seconds)
test.restore : DEACTIVATED, The option 'restore.seed' is deprecated. Related tests are now in test.seed.
test.seed.effect: (15 checks) ... OK (12.08 seconds)
test.zzz.all: (297 checks) ... OK (17.18 seconds)
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Test file: /tmp/Rpkglib_5e557a0d88bf/NMF/tests/runit.utils.r
test.nmfWrapper: (16 checks) ... OK (0.78 seconds)
test.rmatrix: (16 checks) ... OK (0.01 seconds)

Total execution time
*****
      user  system elapsed
216.012   29.616  237.808

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## Session Information

- R version 3.0.0 (2013-04-03), i686-pc-linux-gnu
- Locale: LC\_CTYPE=en\_US.UTF-8, LC\_NUMERIC=C, LC\_TIME=en\_US.UTF-8, LC\_COLLATE=en\_US.UTF-8, LC\_MONETARY=en\_US.UTF-8, LC\_MESSAGES=en\_US.UTF-8, LC\_PAPER=C, LC\_NAME=C, LC\_ADDRESS=C, LC\_TELEPHONE=C, LC\_MEASUREMENT=en\_US.UTF-8, LC\_IDENTIFICATION=C
- Base packages: base, datasets, graphics, grDevices, grid, methods, parallel, stats, utils

- Other packages: BH~1.51.0-0, bigmemory~4.4.3, bigmemory.sri~0.1.2, Biobase~2.20.0, BiocGenerics~0.6.0, digest~0.6.3, doMPI~0.1-5, doParallel~1.0.1, fastICA~1.1-16, foreach~1.4.0, iterators~1.0.6, NMF~0.16.5, pkgmaker~0.16, RColorBrewer~1.0-5, Rcpp~0.10.3, RcppOctave~0.9, registry~0.2, Rmpi~0.6-3, rngtools~1.2, RUnit~0.4.26, stringr~0.6.2, synchronicity~1.1.0
- Loaded via a namespace (and not attached): codetools~0.2-8, colorspace~1.2-2, compiler~3.0.0, gridBase~0.4-6, tools~3.0.0, xtable~1.7-1