

ModeRNA

Tester :

Manual Test Protocol

Release :

Date :

1. Release		source .tar.gz	source .zip	.exe
10	The release file can be downloaded.			
10	The release package can be unzipped.			
10	There is a well-visible README.TXT file.			
10	The contact information in README is correct.			
10	There is a legal disclaimer in README.TXT.			
10	There is a well-visible LICENSE.TXT file.			
20	The README file provides basic installation instructions.			
20	There is a file RELEASE_NOTES.TXT			
40	The release has a clearly visible version number.			
50	There are no unnecessary files in the release.			
50	There are no .svn directories in the release.			

2. Installation		Linux	Win	Mac
10	The installation instructions on the web work.			
10	The installation instructions in README.TXT work.			
10	The library dependencies are complete and correct.			
10	'python setup.py install' works.			
20	The executable can be executed and displays help.	-		-
30	All tests in test_ModeRNA_all.py pass.			

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3. Documentation and web page		OK
10	The web site is running on the GS server 24/7	
10	The contact information on the web page is up-to-date.	
10	The web links on the installation page work.	
20	The pictures are correct and of appropriate resolution	
20	The layout of the website is consistent	
20	Nobody has been forgotten in the Acknowledgements.	
20	The concepts page has been checked for spelling & style	
20	The FAQ has been checked for spelling & style	
20	The tutorial has been checked for spelling & style	
20	The literature references on the web page are up-to date.	
30	The website looks similar to the Genesilico main site.	
30	The website looks good on Internet Explorer	
30	The website looks good on Firefox/Windows	
30	The website looks good on Firefox/Linux	
30	The commands page is in accord with the real commands.	
30	The commands page has been checked for spelling & style	
30	The example files in FAQ and tutorial are downloadable.	
40	The python page is nicely formatted	
50	The website looks good on Konqueror	
50	The website looks good on Opera	

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3. Basic features		Linux	Win	Mac
10	An example tRNA model has been inspected in PyMOL			
10	The tutorial examples are working.			
20	The logfile for both tutorial examples makes sense			
20	The first tutorial example can be built by the .exe version			
20	The geometry analysis has been checked on both a good and bad structure.			
20	Loop candidates for the gap examples have been inspected in PyMOL			
20	An output tRNA model PDB file has been viewed in a text editor			
30	The program for refinement with MMTK optimizes a suboptimal tRNA			
30	Introduced and removed modifications have been inspected in PyMOL			
30	The examples in the FAQ work.			

4. Technical stuff		Linux	Win	Mac
30	Clashes are recognized and written to the log file			
30	Loop candidates are written to the log file			
40	The LIR database is up-to-date			
40	The modification catalog is accessible and documented			
50	The version number in setup.py and moderna.py are correct			

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5. Top-Level functions		Works	Options OK	Doc OK	Examples OK
10	write_model				
10	create_model				
10	load_alignment				
10	load_template				
20	match_template_with_alignment				
20	write_loop_candidates				
20	apply_alignment				
20	apply_all_loops				
20	find_clashes				
20	find_loop				
20	get_sequence				
20	load_model				
20	match_alignment_with_model				
30	apply_loop				
30	copy_identical_residues				
30	copy_single_residue				
30	copy_some_residues				
30	delete_residue				
30	exchange_mismatches				
30	exchange_single_base				
30	exchange_some_bases				
30	find_modifications				
30	insert_fragment				

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30	insert_loop				
30	add_all_modifications				
30	add_modification				
30	remove_all_modifications				
30	remove_mismatching_modifications				
30	remove_modification				
40	create_fragment				
40	write_logfile				
50	rotate_chi				
20	fix_backbone				
20	check_structure				
20	fix_structure				