function Name	Error Flag	Error Message	Test Descriptiopn
test_0_checkInputOptions.m	0		1) With no options default options ar taken; 2) input option possible option values empty string; 3) input option possible option values cell array; 4) input option possible option values cell array; 5) input option possible option values numeric value; 6) input option possible option values numeric value; 6.1) input option possible option values cellarray; 7) input option possible option values cell array wrong keyword; 8) input option possible option values predefined numbers wrong number; 9) input option possible option values numeric value; 10) input option possible option values condition fails; 11) input option possible option values condition fails;
test_0_checkInputSimulationIndex.m	0		1) non numeric simulationIndex:; 2) simulationIndex not existing (=0); 3) simulationIndex to large (=5, 2 allowed);
test_0_findTableIndex.m	0		1) find indx per ID; 2) find in reference table; 3) find numeric for nonexistent number; 4) find path without wildcards; 5) find path all; 6) find nonexistent path ; 7) find path end wildcard ; 8)find path wildcard in bewtween ; 9) find path start wildcard ; 10) find path more than one wild card;
test_10_createIndividual.m	0		
test_11_createPopulation.m	2	Ontogeny factor (CYP3A4) was not created;	
test_12_ps2pdf.m	0		
test_1_MoBiSettings.m	0		1) Check if the global MoBi Settings is set; 2) Check if the DCI Interface is reachable;
test_1_initSimulation_addFile.m	0		1) test addFile=true; 2) test addFile=false;
test_1_initSimulation_report.m	0		1) test report=none; 2) test report=short; 2) test report=long;
test_1_initSimulation_variableParameters.m	0		1) option = none; 2) option = all; 3) option = allNonFormula; 4) "structure" initializeIfFormula =default (with warning); 5) "structure" initializeIfFormula always; 6) "structure" initializeIfFormula never for initParameter; 7) "structure" initializeIfFormula never for initSpeciesInitialValue; 8) Test unknown keyword for initParameter: expected is a warning; 9.1) Test not existing Parameter initParameter: expected is a warning; 9.2) Test not existing Parameter initParameter: expected is NO warning;
test_1_initSimulation_xml.m	0		1) absolute path; 2) absolute path;
test_2_existsParameter.m	0		1) check for existing parameter; 2) check for non existing parameter; 3) check for existing speciesInitialValue; 4) check for non existing speciesInitialValue;
test_2_getParameter.m	0		1.1) get Parameter Value; 1.2) get Parameter Reference Value; 1.3) get Parameter Reference Value by indx; 1.4) get Parameter ID; 1.5) get Parameter Unit; 1.6) get Parameter Formula; 1.7) get Parameter isFormula; 1.8) get Parameter Path; 2.1) get Species Inital Value; 2.2) get Species Inital Value ID; 2.3) get Species Inital Value Unit; 2.4) get Species Inital Value Formula; 2.5) get Species Inital Value isFormula; 2.6) get Species Inital Value Scalefactor; 2.7) get Species Inital Value Path; 3.1) get the value for a parameter which does not exist for the specified parameter type;
test_2_setAllParameters.m	0		1) refernce to variable; 2) read-only to variable; 3) Set read-only tables as target; 4) Set unknown tables as source;
test_2_setParameter.m	2	Option "reference" is unknown!	
test_2_setRelativeParameter.m	0		1) set Relative Parameter Value; 2) set Relative Parameter Reference Value for more than one value; 3.1) set Species Inital Value; 3.2)set Species Value with more than one value; 4) set Scale Factor; 5) get the value for a non existing parameter; 6) get the value for a non existing species Initial value; 7)set Species Value with more than one value;
test_3_getObserverFormula.m	0		1.1) get Formula; 1.2) get Formula ID ; 2) check existen;
test_4_getSimulationTime.m	0		1.1) get general TimePattern ID; 2.1) set general TimePattern Equidistant; 2.2) set random Timevector; 2.3) set general Time mixed equidistant vectors;
test_5_processSimulation.m	0		1.1) Processsimulation for simulationindex=1; 1.2) Processsimulation for simulationindex=2; 2) Processsimulation for simulationindex=[1 2]; 3) Processsimulation for simulationindex=*; 4) ExecutionTimeLimit;
test_6_getPKParametersForConcentration.m	0		1.1) get Cmax and Cmin; 1.2) get AUC lin; method lin 1.3) add AUC_0; options TimeRange 1.4) AUC log; 1.5) compare AUMC(t,c) with AUC(t,t*C) lin and log; 1.6) Test CL, Vss Vz; 1.7) Calculation tLLOQ 1.8) add AUC_0; extrapolationTo0 =lin 1.9) add AUC_0; extrapolationTo0 =log, method log 1.10) add AUC_0; extrapolationTo0 =log 1.11) infusion time 1.12) get PK Parameter 1.13) concentration = Array 2.1) try to short extrapolation range;
test_6_getSimulationResult.m	0		1) get Simulation result by ID; 2) get Simulation result by path; 3) get Simulation result for all; 3) get Simulation result for all; 4) get Simulation result for all; 5) try to get not existing simulation result; 6) try to get result before processing;
test_9_compareSimulations.m	0		1) compare different simulations;
test_9_getNormFigure.m	0		1) Base figure; 2) Multi figures; 3) withoptions; 3) use gcf ; 4) use axes_position ;
test_9_saveSimulationToXML.m	0		1) save simulation; 1) save simulation;
test_9_setAxesScaling.m	0		1) check options; 1) check options; 1) throw arning logarithmic time scale; 4a) Test TimeUnits start 0 b) Test TimeUnits Start >0 c) Test TimeUnits different Units 4d) special cases;