These tables are the in-house checklists used for the UW Model Repository at www.physiome.org

	STANDARDS.7.PUBLICATION	Auth	2nd	Note
Group 1: Identification, Description, and role of MODEL in the field				
	Purpose: to present REPRODUCIBLE SCIENCE with this advancement			
	What is the special contribution of the model			
	Was model used in experiment design? Analysis? Validation? UQ?			
	Context for this work in the field. The science advanced.			
	Novel or confirmatory?			
	Acknowledgments. Authorship criteria.			
Group 2: Technical aspects of the paper				
	Abstract, Intro, Methods, Results, Discussion, Acknowledgment, Appendices			
	Every figure has axes labeled with symbol, name, units. Clean. No clutter			
	Graphs use same colors and line types for same variable in every figure.			
	Ontology consistent in notation of .mod, Figures, Notes, Par sets, Website			
	Equations complete and match notation			
	Parameter and Variable notation: symbol, name, units, description			
	Tables of all parameters, initial conditions, steady state or equilibrium condn			
	Parameter influences: Loops: purposes and settings; par set FIGURES?			
	Optimization re data or other model: description, par set, Notes			
	Graphs; confidence limits, data symbols consistent			
	OPEN SOURCE site identified (DATA, MODEL in Project file)			
	Parameter files and notes for each Figure in the paper? Tested by running?			
Group 3. The Modeling and the analyses				
	Model completely defined, with rationale, provenance,			
	Verification methods: See STANDARDS-VERIF for detail			
	Validation methods: See STANDARDS-VALID for detail			
	Assessment of validation process and adequacy of data and analysis			
	Model variants defined, invalidated, or not invalidated (=working hypoth)			
	Comparing with past work: the novelty (doubts and confidence level)			
	Uncertainty Quantification: See STANDARDS-UQ for detail.			
	Were predictions testable?			
	Reproducibility of Modeling and Data analysis			
	Discussion of contribution to science			
	Future needs defined?			
Group 4. Scientific Publication				
	Journal choice, OPEN SOURCE, freely downloadable			
	Site for Supplements, data, code, project files,			
	The REP, REPRODUCIBLE EXCHANGE PACKAGE, and the storage site			
	Website for public dissemination, commentary and responses			
NOTE	Checklists to be checked by Author and 2 checkers			

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