S1 Table: ASPASIA Settings File Tags. Definitions of the XML tags in the ASPASIA Settings	
file. An example file can be downle	baded from the ASPASIA website (www.york.ac.uk/ycil/software/ASPASIA)
abm Formet	Whather the model file is an CDML model. Set to true (Allows future ACDASIA)
somiformat	whether the model file is an SBML model. Set to true (Allows future ASPASIA
nothToSimulationDonomotorFile	Extensions).
path IoSimulationParameterrite	Full path to filder where generated SDML models should be stored
parameterFileOutputFolder	Full path to folder where generated SBML models should be stored.
parameter	to an intervention or constituity analysis study dependent on the technique
	being employed. For Robustness analysis study, dependent on the technique
	or integer) minimum value, maximum value, value to use as increment in the
	sampling and the parameters calibrated value must be specified as attributes
	of the XML tag. The value of the tag is the parameter name:
	\leq parameter type='double' min='0.01' max='0.1' inc='0.01'
	baseline='0.05'>SpleenTCellArr< /parameter>
	For eFAST or Latin-Hypercube parameter sampling (global), specify the type,
	minimum, and maximum values:
	<pre><parameter max="0.1" min="0.01" type="double">SpleenTCellArr<</parameter></pre>
	/parameter>
	For an Intervention study, the parameter or species name is the tag value. The
	attributes are a double value and an intervention method, namely (in italics):
	(i) <i>replace</i> the value of this parameter or concentration with that in the settings
	file; (ii) add the value in the settings file to that in the SBML file; (iii) subtract
	the value in the settings file from that in the SBML file; (iv) <i>multiply</i> the value
	in the SBML file by that in the settings file; (v) <i>divide</i> the value in the model
	by that in the settings file:
	<pre><pre>content of the second secon</pre></pre>
Latin-Hypercube Sampling Specific Settings:	
numberparameterSamples	The number of perturbed SBML models to generate.
algorithm	Sampling algorithm to use, 'normal' or 'optimal'. Normal selects parameter sets
	while attempting to minimise correlations. Optimal selects sets that entirely
	cover the parameter space, but the computation period is long (>48 hours for 0
lhcProCongratedSampleFile	Bung the analysis with an existing parameter value set after a model file has
Inci regenerateusampier ne	hean changed. This is the path to the parameter CSV file. No parameter
	information is required
LHC Data Analysis Settings:	
pathToSolverResults	Folder where SBML solver results are located.
solverResultFileName	Name of the result file (minus csv file extension) produced by the solver for all
	latin-hypercube sampling experiments.
measure	Name of each simulation response measure to consider in the analysis. The name
	of the measure should be the tag value. The scale of that measure should be spec-
	ified as an attribute. For example: <measure scale="microns">displacement<</measure>
	/measure>
eFAST Sampling Specific Settings:	
efastCurves	Number of resample curves to employ in eFAST Sampling. See [1].
efastCurveSamples	The number of parameter values to select from each eFAST Curve.
Intervention Specific Settings:	
sbmlRunResultsFile	Path to solver output where the model has been run to steady state.
newParamFileName	Name to give the intervention containing newly generated SBML model.

S1 Table Settings File Table