MultimodalExperiment Schematic
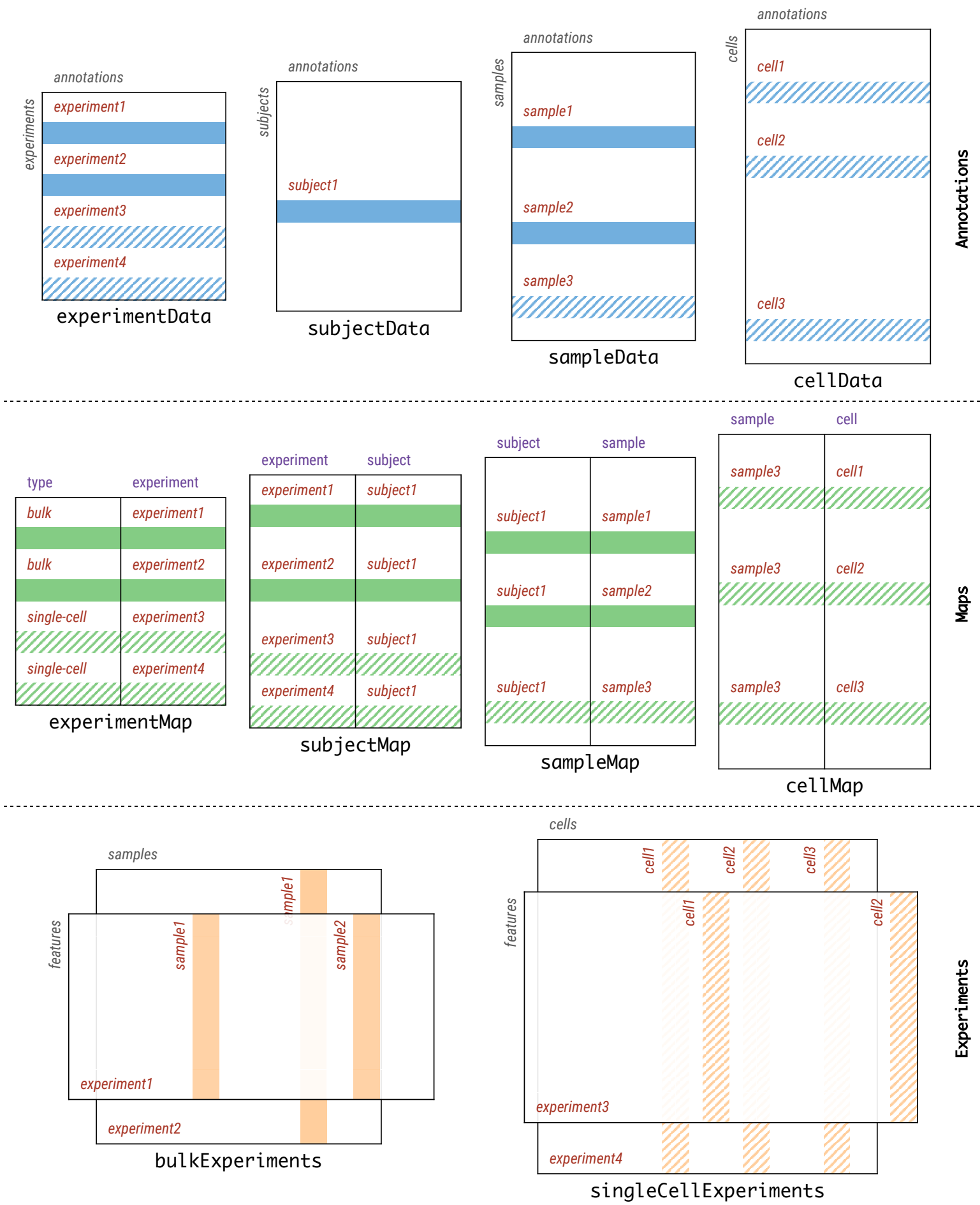
MultimodalExperiment Reference

Method	Description	Value
Constructors		
MultimodalExperiment	create a MultimodalExperiment object	MultimodalExperiment
ExperimentList	create an ExperimentList object	ExperimentList
Slots		
experimentData	get or set experimentData (experiment annotations)	DataFrame
subjectData	get or set subjectData (subject annotations)	DataFrame
sampleData	get or set sampleData (sample annotations)	DataFrame
cellData	get or set cellData (cell annotations)	DataFrame
experimentMap	get or set experimentMap (experiment -> type map)	DataFrame
subjectMap	get or set subjectMap (subject -> experiment map)	DataFrame
sampleMap	get or set sampleMap (sample -> subject map)	DataFrame
cellMap	get or set cellMap (cell -> sample map)	DataFrame
experiments	get or set experiments	ExperimentList
metadata	get or set metadata	list
Annotations		
joinAnnotations	join experimentData, subjectData, sampleData, and cellData	DataFrame
Maps		
joinMaps	join experimentMap, subjectMap, sampleMap, and cellMap	DataFrame
Experiments		
experiment(ME, i)	get or set experiments element by index	matrix-like
experiment(ME, "name")	get or set experiments element by name	matrix-like
bulkExperiments	get or set experiments element(s) where type == "bulk"	ExperimentList
singleCellExperiments	get or set experiments element(s) where type == "single-cell"	ExperimentList
Names		
rownames	get or set rownames of experiments element(s)	CharacterList
colnames	get or set colnames of experiments element(s)	CharacterList
experimentNames	get or set names of experiments	character
Subsetting		
ME[i, j]	subset rows and/or columns of experiments	MultimodalExperiment
ME[i,]	i: list, List, LogicalList, IntegerList, CharacterList	MultimodalExperiment
ME[, j]	j: list, List, LogicalList, IntegerList, CharacterList	MultimodalExperiment
Coordination		
propagate	propagate experiment, subject, sample, and cell indices across all tables	MultimodalExperiment
harmonize	harmonize experiment, subject, sample, and cell indices across all tables	MultimodalExperiment