		colattor	powsimR	PROSSTT	SymSim	dyngon
splatter powsimR PROSSTT SymSim dyngen Available modality outputs						
- mRNA expression			/	/	/	/
_	Pre-mRNA expression		•	•	•	/
_	Protein expression					/
_	Promotor activity				/	/
_	Reaction activity				•	/
Available ground-truth outputs						
-	True counts				/	/
_	Cluster labels	/	/		1	/
_	Trajectory	/	-	\checkmark^1	1	/
_	Batch labels	/		-	-	\checkmark^1
_	Differential expression				√	\checkmark^2
-	Knocked down regulators					1
-	Regulatory network				1	1
-	Cell-specific regulatory network					1
Emulate experimental effects						
-	Single-cell RNA sequencing	✓	✓	✓	✓	1
-	Batch effects	1				\checkmark^1
-	Knockdown experiment					1
-	Time-series					1
-	Snapshot					1
Evaluation applications						
-	Clustering	✓	✓		✓	
-	Trajectory inference	/		✓	✓	/
-	Network inference				✓	1
-	Cell-specific network inference					✓
-	Differential expression	/				\checkmark^2
-	Batch effect correction	/				1
-	RNA Velocity					/
-	Trajectory alignment					✓
Showcased dataset						
-	Number of cells					
-	Number of genes					
-	Execution time					