		splatter	powsimR	PROSSTT	SymSim	dyngen
Ava	Available modality outputs					
-	mRNA expression	✓	✓	✓	✓	<b>✓</b>
-	Pre-mRNA expression					✓
-	Protein expression					✓
-	Promotor activity				✓	✓
-	Reaction activity					✓
Available ground-truth outputs						
-	True counts	✓			✓	✓
-	Cluster labels	✓	1		✓	✓
-	Trajectory	1		$\checkmark^1$	✓	1
-	Batch labels	✓				$\checkmark^1$
-	Differential expression				/	$\checkmark^2$
-	Knocked down regulators					/
-	Regulatory network				✓	1
-	Cell-specific regulatory network					✓
Emulate experimental effects						
-	Single-cell RNA sequencing	✓	<b>✓</b>	✓	✓	<b>✓</b>
-	Batch effects	✓				$\checkmark^1$
-	Knockdown experiment					✓
-	Time-series					✓
-	Snapshot					✓
Evaluation applications						
-	Clustering	✓	✓		✓	
-	Trajectory inference	✓		1	✓	✓
-	Network inference				✓	✓
-	Cell-specific network inference					✓
-	Differential expression	✓				$\checkmark^2$
-	Batch effect correction	✓				✓
-	RNA Velocity					<b>✓</b>
-	Trajectory alignment					✓