		Benchmark			Scalability		Stability	Quality control
Method		**Metrics** / **Sources** / **Trajectory types**			**10k cells** / **10k features**			**Category**

Column headers (left to right):

Metrics: Ordering, Topology, Features
Sources: Clustering, Gold, Silver, Dyngen, Dyntoy, PROSSTT, Splatter
Trajectory types: Cycle, Linear, Bifurcation, Convergence, Multifurcation, Tree, Acyclic, Connected, Disconnected
Scalability — 10k cells: 1k features, 10k features, 100k features
Scalability — 10k features: 1k cells, 10k cells, 100k cells
Stability: Overall, Ordering, Topology, Features
Quality control — Category: Clustering, Availability, Behaviour, Code assurance, Code quality, Documentation, Paper

Scalability values by method:

Group	Method	1k feat	10k feat	100k feat	1k cells	10k cells	100k cells
graph	PAGA	1m	1m	1m	24s	1m	4m
graph	Projected PAGA	56s	55s	1m	23s	55s	2m
graph	RaceID / StemID	1h	2h	3h	6m	2h	1d
graph	SLICER	1h	43m	34m	32s	43m	2d
Tree	Slingshot	25m	20m	22m	17s	20m	22h
Tree	PAGA Tree	1m	1m	1m	24s	1m	4m
Tree	Projected Slingshot	27m	22m	27m	20s	22m	1d
Tree	Projected TSCAN	1m	4m	23m	38s	4m	36m
Tree	Monocle ICA	15m	22m	55m	2m	22m	2h
Tree	pCreode	53m	42m	37m	3m	42m	9h
Tree	Projected Monocle	1h	5h	1d	10m	5h	>7d
Tree	SLICE	28m	58m	4h	2m	58m	1d
Tree	SCUBA	2h	1h	2h	6m	1h	1d
Tree	cellTree maptpx	1h	3h	14h	13m	3h	2d
Tree	cellTree VEM	32m	37m	1h	1m	37m	12h
Tree	Monocle DDRTree	1h	6h	2d	12m	6h	>7d
Tree	Sincell	5m	10m	39m	18s	10m	5h
Tree	ElPiGraph	27m	51m	1h	10m	51m	3h
Tree	CellRouter	37m	39m	58m	2m	39m	12h
Tree	URD	1h	2h	2h	15m	2h	17h
Tree	Mpath	32m	3h	1d	7m	3h	>7d
Tree	CellTrails	3h	19h	5d	1h	19h	>7d
Tree	MERLoT	3h	5h	16h	21m	5h	6d
Tree	CALISTA	4h	6h	7h	1h	6h	22h
Tree	cellTree Gibbs	3h	1d	>7d	4h	1d	>7d
Multifurcation	GrandPrix	10m	33m	3h	18m	33m	59m
Multifurcation	STEMNET	3m	5m	10m	49s	5m	29m
Multifurcation	FateID	49m	1h	2h	3m	1h	2d
Multifurcation	MFA	1h	8h	2d	1h	8h	2d
Multifurcation	GPfates	2h	4h	7h	24m	4h	1d
Multifurcation	SCOUP	7h	4d	>7d	9h	4d	>7d
Bifurcation	Projected DPT	18m	18m	30m	38s	18m	7h
Bifurcation	DPT	16m	15m	24m	34s	15m	5h
Bifurcation	Wishbone	23m	44m	1h	3m	44m	9h
Linear	SCORPIUS	1m	12m	1h	47s	12m	5h
Linear	MATCHER	4m	5m	7m	53s	5m	28m
Linear	TSCAN	1m	4m	19m	34s	4m	31m
Linear	Embeddr	6m	7m	12m	19s	7m	6h
Linear	ElPiGraph linear	5m	11m	17m	2m	11m	42m
Linear	Wanderlust	19m	36m	1h	2m	36m	8h
Linear	Waterfall	45s	46s	51s	7s	46s	5m
Linear	topslam	1h	5h	1d	32s	5h	2d
Linear	ouijaflow	8m	29m	1h	8m	29m	1h
Linear	PhenoPath	38m	22h	>7d	4h	22h	5d
Linear	FORKS	2m	2m	3m	9s	2m	42m
Linear	pseudogp	>7d	>7d	6d	6h	>7d	>7d
Linear	SCIMITAR	1d	>7d	>7d	>7d	>7d	>7d
Linear	ouija	5d	>7d	>7d	6d	>7d	>7d
Cycle	ElPiGraph cycle	6m	11m	17m	2m	11m	40m
Cycle	reCAT	1h	1h	3h	12m	1h	7h
Offtheshelf	GNG	1s	2s	3s	1s	2s	3s
Offtheshelf	Angle	2s	9s	19s	2s	9s	16s
Offtheshelf	Component 1	2s	10s	28s	2s	10s	23s
Offtheshelf	MST	1m	1m	1m	6s	1m	11m
Offtheshelf	Periodic PrinCurve	1m	1m	1m	5s	1m	22m

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