

a)	Method													b)	Summary				
	Inferable trajectory types														Aggregated scores per experiment				
	Priors required	Wrapper type	Platform	Topology inference	Most complex traj. type	Cycle	Linear	Bifurcation	Multifurcation	Tree	Connected	Disconnected	Overall		Accuracy	Scalability	Stability	Usability	
Graph methods	PAGA	×	Direct	Python	Free														
	RaceID / StemID		Proj	R	Free														
	SLICER	×	Cell	R	Free														
Tree methods	Slingshot		Direct	R	Free														
	PAGA Tree	×	Direct	Python	Free														
	Projected Slingshot		Direct	R	Free														
MST		Proj	R	Free														Off-the-shelf	
Monocle ICA	×	Cell	R	Param															
Monocle DDRTree		Cell	R	Free															
pCreode		Proj	Python	Free															
cellTree vem		Cell	R	Free															
SCUBA		Cluster	Python	Free															
cellTree maptpx		Cell	R	Free															
SLICE		Direct	R	Free															
Sincell		Cell	R	Free															
CellRouter	×	Cell	R	Free															
EIPiGraph		Direct	R	Free															
URD	×	Direct	R	Free															
CellTrails		Cell	R	Free															
Mpath	✖	Cluster	R	Free															
Multifurcation methods	STEMNET	✖	Prob	R	Param														
	FateID	✖	Prob	R	Param														
	MFA	×	Prob	R	Param														
GPfates	×	Prob	Python	Param															
Bifurcation methods	Projected DPT		Proj	R	Fixed														
	Wishbone	×	Direct	Python	Param														
	DPT		Direct	R	Fixed														
Linear methods	SCORPIUS		Linear	R	Fixed														