	Method				Inferrable trajectory types								Summary				
		Priors required	Wrapper type	Platform	Topology inference	Cycle	Linear	Bifurcation	Multifurcation	Tree	Connected	Disconnected	Aggregated scores per experiment				
													Overall	Accuracy	Scalability	Stability	Usability
Graph methods																	
	PAGA	×	Traj	Python	Free												
	RaceID / StemID		Proj	R	Free												
	SLICER	×	Cell	R	Free												
Tree methods																	
	Slingshot		Traj	R	Free												
	MST		Proj	R	Free												Off-the-shelf
	pCreode		Proj	Python	Free												
	SCUBA		Cluster	Python	Free												
	Monocle DDRTree		Cell	R	Free												
	Monocle ICA	×	Cell	R	Param												
	cellTree maptpx		Cell	R	Free												
	SLICE		Traj	R	Free												
	cellTree VEM		Cell	R	Free												
	ElPiGraph		Traj	R	Free												
	Sincell		Cell	R	Free												
	URD	×	Traj	R	Free												
	CellTrails		Cell	R	Free												
	Mpath	✖	Cluster	R	Free												
	CellRouter	×	Cell	R	Free												
Multifurcation methods																	
	STEMNET	✖	Prob	R	Param												
	FateID	✖	Prob	R	Param												
	MFA	×	Prob	R	Param												
	GPfates	×	Prob	Python	Param												
Bifurcation methods																	
	DPT		Traj	R	Fixed												
	Wishbone	×	Traj	Python	Param												
Linear methods																	
	SCORPIUS		Linear	R	Fixed												
	Embeddr		Linear	R	Fixed												
	MATCHER		Linear	Python	Fixed												
	TSCAN		Linear	R	Fixed												
	Wanderlust	×	Linear	Python	Fixed												
	PhenoPath		Linear	R	Fixed												
	topslam	×	Linear	Python	Fixed												
	Waterfall		Linear	R	Fixed												
	ElPiGraph linear		Traj	R	Fixed												
	ouijaflow		Linear	Python	Fixed												
	FORKS		Linear	Python	Fixed												
Cyclic methods																	
	Angle		Cycle	R	Fixed												Off-the-shelf
	ElPiGraph cycle		Traj	R	Fixed												
	reCAT		Cycle	R	Fixed												

Prior information required

None

× Weak: Start or end cells

✖ Strong: Cell grouping or time course