Supplementary Table S1

CellMAPtracer: A user-friendly tracking tool for long-term migratory and proliferating cells associated with FUCCI systems

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Supplementary Table S1: A comparative analysis of CellMAPtracer against other tracking tools.

Tool Name	Availability	Platform	Source code	Tracking	Cell division	Inspectability	Correctability	Categorized outcome	FUCCI
Braincells [1]	Free	Win	No	Auto	No	No	No	No	No
CellMAPtracer [2]	Free	Win/Lin/Mac/Matlab	Yes	Semi	Yes	Yes	Yes	Yes	Yes
CellProfiler [3]	Free	Win/Lin/Mac	Yes	Auto	No	No	No	No	No
CellTrack [4]	Free	Win/Lin/Mac	No	Auto	No	Limited	Limited	No	No
CellTracker [5]	Free	Win	No	Semi	No	Limited	Limited	No	No
ClusterTrack [6]	Free	Matlab	Yes	Auto	No	No	No	No	No
DcellIQ [7]	Free	Matlab	Yes	Auto	Yes	No	No	No	No
DeepCell [8]	Free	Python/ImageJ	Yes	Auto	Yes	Yes	Yes	No	No
DeepTree [9]	Free	Python/ImageJ	Yes	Auto	Yes	Yes	Yes	No	No
DIAS [10]	Paid	Win/Mac	No	Auto	No	No	No	No	No
DYNAMIK [11]	Free	Matlab	Yes	Auto	Limited	No	No	No	No
FastTracks [12]	Free	Win	Yes	Auto	No	No	No	No	No
FUCCIJ [13]	Free	ImageJ	No	Auto	Yes	Yes	Yes	No	Yes
ICY [14]	Free	Java	Yes	Auto	No	No	No	No	No
ImarisTrack [15]	Paid	Win/Mac	No	Auto	Limited	Yes	Yes	No	No
LevelSetTracker [16]	Free	Matlab	Yes	Auto	No	Limited	Limited	No	No
LineageTracker [17]	Free	ImageJ	No	Auto	Yes	No	No	No	No
ManualTracking [18]	Free	ImageJ	Yes	Manual	Limited	Limited	Limited	No	No
MetaMorph [19]	Paid	Win	No	Auto	No	No	No	No	No
MTrackJ [20]	Free	ImageJ	Yes	Manual	No	No	No	No	No
NucliTrack [21]	Free	Win/Lin/Mac	Yes	Auto	Yes	Yes	Yes	No	No
ParticleTracker [22]	Free	ImageJ	Yes	Auto	No	No	No	No	No
QuimP [23]	Free	ImageJ	No	Auto	No	No	No	No	No
TLA [24]	Free	Matlab	Yes	Auto	No	No	No	No	No
TrackMate [25] + StarDist [26]	Free	Python/Fiji	Yes	Auto	Yes	Yes	Yes	No	No
TrackMate [25] + FastFUCCI [27]	Free	Fiji	Yes	Auto	Yes	Yes	Yes	No	Yes
tTt [28]	Free	Win	Yes	Semi	Yes	Yes	Yes	No	No

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