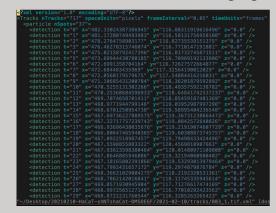
## ImageReorganizer.m (MATLAB) Images organized by timepoint Images organized by well ≥ 20210222-HaCaT-shNTshaCat-DMSOCK666FA 20210222--HaCaT-shNTshaCat-DMSOCK666FA v 📜 2021-02-22 2021-02-22 × 🚞 6485 v 📄 6485 > TimePoint\_1 > well A02 > TimePoint\_2 > well A03 > TimePoint\_3 > well A04 > TimePoint\_4 > well B01 TimePoint\_5 > well B02 > TimePoint\_6 > well B03 > TimePoint\_7 > well B04 > TimePoint\_8 > well B05 TIF stack for each imaging site Single-timepoint TIF images site 1 t01.tif site 1 t11.tif site site site 1 t22.tif sit sit site 1 t23.tif site site site 1 t24.tif sit site site 1 t25.tif sit B03\_1.tif sito site 1 t26.tif sit sit site site 1 t27.tif sito site 1 t28.tif sit sit site site 1 t29.tif site 1 t30.tif sit site 1 t31.tif site 1 t32.tif



TIF stack for each imaging site

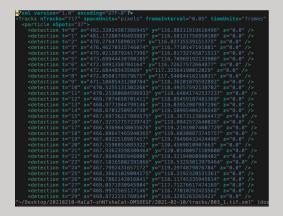
XML of cell traces for each imaging site



B03\_1.tif

## C TrackMateAnalysis.m (MATLAB)

XML of cell traces for each imaging site



## MATLAB output file

- (		
Tables ×		
14x2 <u>table</u>		
	1 tables 1	2 tables 2
1 File name	'B03_1'	'B03_2'
2 All tracks	1x477 st	1x420 st
3 Bulk mean motility	0.8240	0.8740
4 Bulk stdev motility	0.4635	0.6924
5 Bulk mean distance	53.0164	59.7165
6 Bulk stdev distance	36.1149	42.6722
7 Bulk mean trajectory	156.4040	163.8820
8 Bulk stdev trajectory	115.6055	115.6941
9 Filtered mean motility	0.7990	0.8370
10 Filtered stdev motility	0.4515	0.6046
11 Filtered mean distance	54.1578	60.9815
12 Filtered stdev distance	37.3986	43.8277
13 Filtered mean trajectory	77.1496	82.1620
14 Filtered stdev trajectory	52.7290	56.3633