

(A)

Figure 1

File Edit View Insert Tools Desktop Window Help

Editors: Step > Documents > UCSF > Narlikar lab > smFRET analysis code

Editor: /Users/Steph/Documents/UCSF/Narlikar lab/sm...  
 smFRET.m x smFRETsetup.m x parfortest.m x +

```

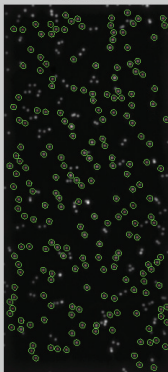
43 % of the acceptor and donor intensities; if
44 % average smoothing filter of width specific
45 % an integer.
46 - SmoothFRET = 10; % Same as SmoothIntensities but
47 % point should implement a Gauss filter inst
48 - EndInjectFrame = 1;round(27/0.15); % If doing a
49 % you can set this to the value of a frame t
50 % injection is over, and spotfinding will st
51 % I usually know when I'm done injecting in
52 % add a couple for safety), and I collect da
53 % so I usually set this to round(27/0.15).
54 - FramesToAvg = 20; % How many frames to average o
55 % the local background that will be subtract
56 % for me.
57 - FindSpotsEveryXFrames = 0; % If this is 0 (or ne
58 % EndInjectFrame:EndInjectFrame+FramesToAvg.
59 % spots will be found every this many frames
60 % FramesToAvg frames)
61 - CheckSpotFindingEveryXFrames = 0; % If this is g
62 % the user to check the fidelity of the spot
  
```

Command Window

```

>> smFRET('SNF2h50nMATP1uM')
Press enter to perform channel mapping with beads, L+enter
How many bead files to use for transformation? Max:5 (En
Use remaining2 movies to check transform? (y/n)y
Spotfinding in movies 1 of 5
Number of peaks found:344
Number of peaks kept:203
Press enter if satisfied, anything else+enter if not:
  
```

Green Channel

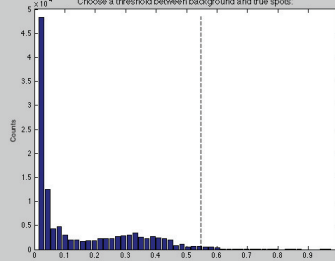


(B)

Figure 1

File Edit View Insert Tools Desktop Window Help

Choose a threshold between background and true spots:



Command Window

```

Spotfinding in movies 1 of 5
Number of peaks found:344
Number of peaks kept:203
Press enter if satisfied, anything else+enter if not:
Number of peaks found:21
Number of peaks kept:5
Press enter if satisfied, anything else+enter if not:d
Enter new threshold to use:.15
  
```