1 **Legends to the Movies**

2 After running the movies in normal speed, one should go through them using the arrow keys

3 and focus on e.g. one MT.

4

5 **Movie 01_GFP AlpA**

6 GFP-AlpA comets move mostly towards the growing hyphal tip. The dynamics corresponds

7 to the dynamics of the MT-plus end. Pictures were taken every 3-5 sec. and assembled to a

8 movie.

9

10 **Movie 02_GFP MTs_wild type and 02a_GFP MTs_wild type**

11 Dynamics of GFP labeled MTs in wild type. Pictures were taken every 10 sec. and

12 assembled to a movie.

13

14 **Movie 03_GFP MTs_delta alpA and 03a_GFP MTs_delta alpA**

15 Dynamics of GFP labeled MTs in an *alpA*-deletion strain. Pictures were taken every 10 sec.

16 and assembled to a movie.

17

18 **Movie 04_delta alpA_normal mitosis**

19 Dynamics of GFP labeled MTs during mitosis in an *alpA*-deletion strain.

20

21 **Movie 05_GFP KipA**

22 GFP-KipA comets in a wild type. Pictures were taken every 10 sec. and assembled to a

23 movie.

24

25 **Movie 06_GFP KipA_delta AlpA**

26 GFP-KipA comets in an *alpA*-deletion strain. Pictures were taken every 10 sec. and

27 assembled to a movie.