

7/12 (Wed)

morph<sup>7</sup>; -H134R; T4TS-Gal4<sup>XXII</sup>

collected Tue 14.00, kept on [1mM ATR/yeast]  
until experiment Wed 16.00

prepared Mon P.M.

Prep1 cell 1: VS cell -39mV eBML  
→ fill VSI-3?

16.41 current/flicker

1 16.43 8x 1000ms blue light FP 9 → see p. 153 for OG4 FP settings

16.44 full DT

x 2 .46 8x 2ms blue light FP 9

3 .47 8x 1000ms blue FP 9

4 .49 8x 1000ms blue FP 9

x 5 .50 8x 2ms blue FP 9

x 6 .51 — " — " FP 14

x 7 .52 — " — " FP 14

x 8 .53 — " — " green FP 13

x 9 .54 — " — " green FP 13

μW/mm<sup>2</sup>

5.4

.56 current/flicker

10 .57 8x 2ms blue FP 7

11 .58 — " — " FP 7

12 17.01 — " — " FP 9

13 .02 — " — " FP 9

0.4

1.7

14 17.03 — " — " FP 1

15 .04 — " — " FP 1

27 17.20 4x 1000ms blue no current

28 21 — " — " cell hyperpolarized

29 22 -50mV (added to Vrest!)

30 23 -80mV (added to Vrest!)

.05 current/flicker

.06 — " — "

16 .07 8x 1000ms blue FP 10

17 .08 — " — " FP 10

18 .09 8x 1000ms green FP 13

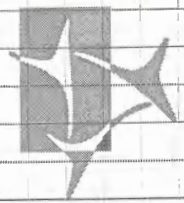
19 .10 — " — " FP 13

20 .11 — " — " FP 13

30 .23 no current

31 .23 +50mV

32 .24 +100mV



21	17.13	151	20x 2ms blue light FP 10 
22	.14	5	
23	.14	10	
24	.15	15	
25	.15	20	
26	.17	25	
		3	

Same as previous page!

7/12 (Wed)

norp<sup>+</sup>; H134R; T475-Gal4<sup>UAS</sup>ATR  
~ 1d

Prep2 cell 1

no K<sup>+</sup> vs/Hs

-36mV

e. 8mV

18.23 current/flicker

1 18.24 4x 1000ms blue FP9

2 .24 " "

.25 current/flicker

.27

3 18.28 8x 2ms blue FP9

4 .29 " " FP10

5 .30 " " FP14

6 .32 " " FP1

see p. 153 for 064  
settings

.33 current/flicker

Good!

Prep2 cell 2 VS cell! → fill VS1-2?

A

press. on  
3x change  
not on LP.  
EV

18.48 current/flicker

.48

1 18.49 8x 1000ms blue FP10

2 18.50 8x 2ms blue FP10

3 .51 " " FP10

mW/mm<sup>2</sup>

2.8

4 .52 8x 2ms blue FP14

5 .53 " " FP14

5.4

6 .54 8x 2ms blue FP8

7 .55 " " FP8

0.9

8 .57 8x 2ms blue FP9

9 .58 " " FP9

1.7

10 .59 8x 2ms blue FP10

11 19.00 " " FP10

2.8

12 19.01 8x 1000ms blue FP10 ca. 2.8 mW/mm<sup>2</sup>13 19.02 8x 1000ms green FP13 ca. 2.2 mW/mm<sup>2</sup>14 19.04 8x 1000ms blue FP9 ca. 1.7 mW/mm<sup>2</sup>

15 .06 same but +50mV injected

16 .07 same but -50mV injected

17 .08 " " +100mV injected