

Supplementary Table 1 Average temperature of region of interest in experimental group at different UV exposure weeks.

	0 wk	2 wks	4 wks	6 wks	8 wks	10 wks	12 wks	14 wks	16 wks
1 TF	40	40	40	40	40	40	40	40	40
2 TFs	39.8	39.8	39.8	39.8	39.725	39.74	39.54	39.51	39.55
3 TFs	39.5	39.55	39.55	39.45	39.35	39.14	39.04	39.14	38.95
4 TFs	39.35	39.4	39.5	39.35	39.125	38.88	38.73	38.95	38.82
5 TFs	39.25	39.25	39.4	39.25	39.025	38.81	38.87	38.78	38.485
6 TFs	39.2	39.15	39.25	39	38.9	38.82	38.86	38.74	38.485
7 TFs	39.2	39.1	39.15	38.85	38.8	38.81	38.75	38.47	38.485
8 TFs	39.2	39.05	39.05	38.8	38.725	38.78	38.52	38.53	38.45
9 TFs	39.15	39.05	38.95	38.6	38.625	38.71	38.45	38.58	38.41
10 TFs	39.1	39	38.65	38.4	38.475	38.7	38.25	38.54	38.395
11 TFs	39.1	38.8	38.4	38.35	38.3	38.63	38.35	38.47	38.375
12 TFs	39	38.65	38.4	38.35	38.2	38.37	38.18	38.38	38.345
13 TFs	38.9	38.6	38.4	38.3	38.125	38.1	38.3	38.29	38.305
14 TFs	38.9	38.55	38.35	38.25	38.075	38.07	38.2	38.18	38.305
15 TFs	38.85	38.55	38.3	38.25	38.075	37.86	38.28	38.08	38.22
16 TFs	38.8	38.5	38.3	38.2	38.025	37.88	38.18	37.93	38.135
17 TFs	38.75	38.4	38.3	38.15	37.975	37.91	38.19	38.03	38.05
18 TFs	38.7	38.35	38.3	38.15	37.925	37.8	38.05	38	37.95
19 TFs	38.65	38.3	38.25	38.1	37.875	37.79	38.03	37.86	37.815
20 TFs	38.6	38.3	38.2	38.05	37.875	37.75	37.97	37.97	37.715
21 TFs	38.6	38.25	38.2	38	37.75	37.64	37.87	37.84	37.655
22 TFs	38.45	38.25	38.2	37.95	37.625	37.61	37.86	37.72	37.59
23 TFs	38.3	38.2	38.15	37.95	37.625	37.54	37.86	37.68	37.515
24 TFs	38.25	38.1	38.1	37.9	37.625	37.51	37.81	37.72	37.45
25 TFs	38.2	38.1	38.1	37.85	37.625	37.55	37.65	37.66	37.445
26 TFs	38.2	38.1	38.1	37.85	37.625	37.55	37.75	37.71	37.395
27 TFs	38.2	38.1	38.1	37.8	37.6	37.46	37.71	37.69	37.305
28 TFs	38.2	38.1	38.05	37.75	37.6	37.46	37.7	37.67	37.245
29 TFs	38.2	38.15	37.85	37.7	37.575	37.51	37.68	37.28	37.225
30 TFs	38.15	38.15	37.65	37.55	37.525	37.42	37.64	37.33	37.2
31 TFs	38.1	38.15	37.55	37.45	37.5	37.34	37.65	37.33	37.145
32 TFs	38.1	38.1	37.45	37.45	37.45	37.42	37.4	37.45	37.105
33 TFs	38.1	38.1	37.45	37.45	37.4	37.4	37.4	37.4	37.105
34 TFs	37.95	38.1	37.4	37.45	37.375	37.35	37.49	37.43	37.105
35 TFs	37.8	38.1	37.4	37.45	37.325	37.39	37.51	37.2	37.085
36 TFs	37.8	38.1	37.4	37.45	37.25	37.44	37.57	37.43	37.085
37 TFs	37.8	38.05	37.4	37.45	37.175	37.37	37.45	37.39	37.065

38 TFs	37.8	38	37.4	37.45	37.15	37.25	37.33	37.22	37.055
39 TFs	37.75	37.9	37.4	37.45	37.1	37.28	37.22	37.36	37.05
40 TFs	37.7	37.85	37.4	37.3	37.1	37.21	37.14	37.29	37.05
41 TFs	37.7	37.8	37.35	37.05	37.05	37.08	37.28	37.25	37.04
42 TFs	37.7	37.75	37.35	36.85	37.025	36.95	37.22	37.22	37.015
43 TFs	37.7	37.75	37.4	36.65	37.025	37	37.24	37.14	37.01
44 TFs	37.7	37.75	37.35	36.55	37	36.95	37.17	37.19	37.005
45 TFs	37.7	37.75	37.25	36.55	36.95	37.01	37.03	37.08	36.965
46 TFs	37.7	37.75	37.25	36.55	36.925	36.98	37.09	37.11	36.92
47 TFs	37.7	37.7	37.2	36.55	36.925	36.95	37.14	37.23	36.905
48 TFs	37.7	37.65	37.15	36.55	36.925	36.94	37	37.14	36.905
49 TFs	37.65	37.65	37.05	36.55	36.925	37.02	36.96	36.99	36.905
50 TFs	37.65	37.6	37.05	36.55	36.9	36.95	36.95	37.07	36.905
51 TFs	37.6	37.5	37	36.5	36.875	36.92	37.04	37.06	36.9
52 TFs	37.6	37.5	37	36.45	36.85	36.75	37.11	37.06	36.875
53 TFs	37.6	37.45	37	36.45	36.85	36.75	36.87	37.02	36.885
54 TFs	37.6	37.45	37	36.45	36.875	36.74	36.89	37.02	36.89
55 TFs	37.6	37.4	37	36.45	36.875	36.65	36.89	37.05	36.89
56 TFs	37.6	37.35	37	36.45	36.85	36.68	36.88	37.09	36.875
57 TFs	37.6	37.3	37	36.45	36.85	36.62	36.69	36.9	36.86
58 TFs	37.6	37.25	37	36.45	36.775	36.71	36.41	36.98	36.86
59 TFs	37.6	37.25	37	36.45	36.75	36.71	36.58	36.9	36.85
60 TFs	37.6	37.25	37	36.4	36.75	36.84	36.58	37	36.85

TF: time frame (approximately 0.3 seconds)