

BATCH #1**6.08 W/cm2****REPLICATE 1****REPLICATE 2**

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0 (F-F0)/(Ftx100-F0)		average fluorescence	F-F0	Ftx100-F0
0	20.10129695	0	24.21374	0	18.85832	0	25.50005
1	22.9341286	2.832832	24.21374	0.116993	20.57087	1.712552	25.50005
2	25.30025578	5.198959	24.21374	0.214711	24.25899	5.400667	25.50005
3	27.06916177	6.967865	24.21374	0.287765	25.50855	6.650229	25.50005
5	30.43555293	10.33426	24.21374	0.426793	30.83404	11.97572	25.50005
10	39.56523772	19.46394	24.21374	0.803839	38.54804	19.68972	25.50005
add Tx100	44.31503547	24.21374			44.35837	25.50005	

6.97 W/cm2**REPLICATE 1****REPLICATE 2**

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0 (F-F0)/(Ftx100-F0)		average fluorescence	F-F0	Ftx100-F0
0	19.49654532	0	31.19526	0	19.36194	0	31.81569
1	25.36545484	5.86891	31.19526	0.188135	23.62089	4.25895	31.81569
2	28.72129075	9.224745	31.19526	0.29571			31.81569
3	30.88231918	11.38577	31.19526	0.364984	26.73083	7.368898	31.81569
5	34.6791302	15.18258	31.19526	0.486695	31.81107	12.44914	31.81569
10	43.07741213	23.58087	31.19526	0.755912	41.48694	22.12501	31.81569
add Tx100	50.69180113	31.19526			51.17763	31.81569	

11.83 W/cm2**REPLICATE 1****REPLICATE 2**

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0 (F-F0)/(Ftx100-F0)		average fluorescence	F-F0	Ftx100-F0
0	21.7970966	0	30.44479	0	20.32231	0	31.91261
1	27.35780965	5.560713	30.44479	0.182649	24.03697	3.714665	31.91261
2	30.09473929	8.297643	30.44479	0.272547	28.37889	8.056584	31.91261
3	34.1252637	12.32817	30.44479	0.404935	32.53537	12.21306	31.91261
5	36.84775324	15.05066	30.44479	0.494359	35.64383	15.32152	31.91261
10	45.0636913	23.26659	30.44479	0.764222	43.20494	22.88263	31.91261
add Tx100	52.24188897	30.44479			52.23492	31.91261	

17.14 W/cm2**REPLICATE 1****REPLICATE 2**

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0 (F-F0)/(Ftx100-F0)		average fluorescence	F-F0	Ftx100-F0
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0	20.26983926	0	33.58847	0	20.2475	0	31.46824
1	28.23855473	7.968715	33.58847	0.237246	27.02821	6.780711	31.46824
2	33.44551572	13.17568	33.58847	0.392268	32.76249	12.51499	31.46824
3	37.96870318	17.69886	33.58847	0.526933	36.53575	16.28825	31.46824
5	43.84999429	23.58016	33.58847	0.702031	41.93819	21.6907	31.46824
10	47.9323796	27.66254	33.58847	0.823573	47.40959	27.16209	31.46824
add Tx100					51.71574	31.46824	

Non-PEG pH 7.4

BATCH #1

6.08 W/cm2

Insonation time (min)	REPLICATE 1				REPLICATE 2		
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0
	fluorescence				fluorescence		
0	50.01326752	0	63.81172	0	46.24924	0	68.23344
1	67.8281438	17.81488	63.81172	0.279179	63.13722	16.88798	68.23344
2	76.2967324	26.28346	63.81172	0.411891	72.98356	26.73432	68.23344
3	83.20345564	33.19019	63.81172	0.520127	80.07675	33.82751	68.23344
5	100.1609863	50.14772	63.81172	0.78587	88.16382	41.91458	68.23344
10	106.909752	56.89648	63.81172	0.891631	101.0002	54.75099	68.23344
add Tx100					114.4827	68.23344	

6.97 W/cm2

Insonation time (min)	REPLICATE 1				REPLICATE 2		
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0
	fluorescence				fluorescence		
0	45.95899508	0	68.46211	0	47.48637	0	70.01486
1	69.30910585	23.35011	68.46211	0.341066	72.13313	24.64676	70.01486
2	82.86644762	36.90745	68.46211	0.539093	82.03982	34.55345	70.01486
3	88.91280087	42.95381	68.46211	0.62741	92.19056	44.70419	70.01486
5	98.328179	52.36918	68.46211	0.764937	105.2886	57.80222	70.01486
10	105.0462217	59.08723	68.46211	0.863065	114.9766	67.4902	70.01486
add Tx100					117.5012	70.01486	

11.83 W/cm2

Insonation time (min)	REPLICATE 1				REPLICATE 2		
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0
	fluorescence				fluorescence		
0	45.90956927	0	68.82504	0	45.50998	0	70.06111
1	73.2448803	27.33531	68.82504	0.397171	73.92814	28.41816	70.06111
2	86.42069822	40.51113	68.82504	0.58861	87.82404	42.31406	70.06111
3	95.215014	49.30544	68.82504	0.716388	96.35974	50.84975	70.06111
5	109.6707589	63.76119	68.82504	0.926424	103.9193	58.40934	70.06111
10	112.018707	66.10914	68.82504	0.960539	117.9141	72.40414	70.06111
add Tx100					115.5711	70.06111	

17.14 W/cm2**REPLICATE 1****REPLICATE 2**

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	47.02364257	0	76.68425	0	45.14157	0	79.11699
1	87.01207151	39.98843	76.68425	0.521469	83.39932	38.25775	79.11699
2	105.8425871	58.81894	76.68425	0.767028	102.9832	57.84165	79.11699
3	107.4538551	60.43021	76.68425	0.788039	104.6516	59.51006	79.11699
5	120.3173015	73.29366	76.68425	0.955785	115.1131	69.97149	79.11699
10	127.6473427	80.6237	76.68425	1.051372	136.5387	91.39711	79.11699
add Tx100	123.7078945	76.68425			124.2586	79.11699	

PEG pH 5.2

BATCH #1**BATCH #2****6.08 W/cm2****REPLICATE 1****6.08 W/cm2****REPLICATE 1**

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	23.1743994	0	30.83787	0	26.08264	0	20.02099
1	25.18548789	2.011088	30.83787	0.065215	29.09646	3.013814	20.02099
2	27.50329907	4.3289	30.83787	0.140376	30.13535	4.052712	20.02099
3	29.79611547	6.621716	30.83787	0.214727	30.49535	4.412714	20.02099
5	33.13081172	9.956412	30.83787	0.322863	33.55356	7.470917	20.02099
10	41.28823612	18.11384	30.83787	0.587389	37.48308	11.40044	20.02099
add Tx100	54.01227146	30.83787			46.10363	20.02099	

6.97 W/cm2**REPLICATE 1****6.97 W/cm2****REPLICATE 1**

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	21.83827864	0	38.52729	0	26.88717	0	22.73594
1	27.03018922	5.191911	38.52729	0.134759	28.30829	1.421122	22.73594
2	30.28506108	8.446782	38.52729	0.219242	29.53767	2.650497	22.73594
3	32.13799434	10.29972	38.52729	0.267336	32.6129	5.725733	22.73594
5	39.07362441	17.23535	38.52729	0.447354	35.22246	8.335294	22.73594
10	49.11081405	27.27254	38.52729	0.707876	42.9662	16.07903	22.73594
add Tx100	60.36556794	38.52729			49.62311	22.73594	

11.83 W/cm2**REPLICATE 1****11.83 W/cm2****REPLICATE 1**

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	21.96826231	0	34.67209	0	26.13711	0	23.51981
1	28.69045043	6.722188	34.67209	0.193879	30.20104	4.063932	23.51981
2	31.86965927	9.901397	34.67209	0.285573	33.21855	7.081438	23.51981

3	37.81583951	15.84758	34.67209	0.45707	35.94297	9.805856	23.51981
5	44.46625658	22.49799	34.67209	0.648879	39.13494	12.99783	23.51981
10	46.91564315	24.94738	34.67209	0.719524	44.12255	17.98544	23.51981
add Tx100	56.6403483	34.67209			49.65692	23.51981	

17.14 W/cm2

REPLICATE 1

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	23.22302344	0	37.6722	0
1	30.61282287	7.389799	37.6722	0.196161
2	32.68342607	9.460403	37.6722	0.251124
3	38.80801435	15.58499	37.6722	0.4137
5	43.91600725	20.69298	37.6722	0.549291
10	54.67563315	31.45261	37.6722	0.834902
add Tx100	60.89522008	37.6722		

17.14 W/cm2

REPLICATE 1

average fluorescence	F-F0	Ftx100-F0
26.15216	0	26.63046
29.88188	3.729713	26.63046
33.7551	7.602938	26.63046
35.67173	9.519563	26.63046
40.42011	14.26795	26.63046
48.12311	21.97095	26.63046
52.78263	26.63046	

PEG pH 7.4

BATCH #1

6.08 W/cm2

REPLICATE 1

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	48.46285954	0	80.1109	0
1	58.91334106	10.45048	80.1109	0.13045
2	63.0088232	14.54596	80.1109	0.181573
3	69.96311786	21.50026	80.1109	0.268381
5	81.37554105	32.91268	80.1109	0.410839
10	95.26124459	46.79839	80.1109	0.58417
add Tx100	128.5737581	80.1109		

REPLICATE 2

average fluorescence	F-F0	Ftx100-F0
37.09199	0	77.87389
44.63935	7.547362	77.87389
49.29588	12.20389	77.87389
62.05769	24.9657	77.87389
65.4713	28.37931	77.87389
92.82467	55.73268	77.87389
114.9659	77.87389	

6.97 W/cm2

REPLICATE 1

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	45.35750645	0	73.50709	0
1	51.33242467	5.974918	73.50709	0.081284
2	59.65294375	14.29544	73.50709	0.194477
3	65.77756226	20.42006	73.50709	0.277797
5	82.31045536	36.95295	73.50709	0.502713
10	100.6332083	55.2757	73.50709	0.751978
add Tx100	118.8646	73.50709		

REPLICATE 2

average fluorescence	F-F0	Ftx100-F0
37.19458	0	91.47731
48.46552	11.27093	91.47731
56.88161	19.68703	91.47731
61.85666	24.66208	91.47731
81.14076	43.94618	91.47731
93.36236	56.16778	91.47731
128.6719	91.47731	

11.83 W/cm2

REPLICATE 1

REPLICATE 2

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0 (F-F0)/(Ftx100-F0)			average fluorescence	F-F0	Ftx100-F0
0	41.19866777	0	77.35538	0		38.65042	0	78.4764
1	48.96337484	7.764707	77.35538	0.100377		50.65272	12.0023	78.4764
2	61.83936999	20.6407	77.35538	0.26683		64.25501	25.60459	78.4764
3	71.5671458	30.36848	77.35538	0.392584		74.42443	35.77401	78.4764
5	83.69797018	42.4993	77.35538	0.549403		87.356	48.70558	78.4764
10	96.69687126	55.4982	77.35538	0.717445		98.82714	60.17672	78.4764
add Tx100	118.5540468	77.35538				117.1268	78.4764	

17.14 W/cm2

REPLICATE 1

Insonation time (min)	average fluorescence	F-F0	Ftx100-F0 (F-F0)/(Ftx100-F0)			average fluorescence	F-F0	Ftx100-F0
0	37.8801482	0	87.27205	0		41.31769	0	89.81494
1	65.64928407	27.76914	87.27205	0.318191		67.62677	26.30908	89.81494
2	86.28846243	48.40831	87.27205	0.554683		79.35777	38.04008	89.81494
3	99.4201755	61.54003	87.27205	0.705152		95.78877	54.47108	89.81494
5	102.2887109	64.40856	87.27205	0.738021		112.773	71.45531	89.81494
10	108.1581235	70.27798	87.27205	0.805275		125.7104	84.39268	89.81494
add Tx100	125.1521936	87.27205				131.1326	89.81494	

REPLICATE 2

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$
	fluorescence			
0	17.75081	0	26.35007	0
0.067159	21.40121	3.650394	26.35007	0.138535
0.21179	22.66507	4.914258	26.35007	0.186499
0.260793	24.69432	6.943511	26.35007	0.26351
0.469635	30.42115	12.67034	26.35007	0.480847
0.772145	35.14088	17.39007	26.35007	0.659963
	44.10088	26.35007		

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$
	fluorescence			
0	18.48079	0	28.34388	0
0.133863	22.93186	4.451072	28.34388	0.157038
0.231612	28.30318	9.82239	28.34388	0.346544
0.391289	31.3529	12.87211	28.34388	0.454141
0.695412	40.82157	22.34077	28.34388	0.788204
	46.82467	28.34388		

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$
	fluorescence			
0	20.27643	0	32.46521	0
0.116401	24.37269	4.096262	32.46521	0.126174
0.252458	27.65797	7.381544	32.46521	0.227368
0.382703	32.87154	12.59512	32.46521	0.387957
0.480109	37.11679	16.84036	32.46521	0.51872
0.71704	44.75715	24.48073	32.46521	0.75406
	52.74164	32.46521		

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$
	fluorescence			

0	18.8209	0	32.17508	0
0.215478	23.70921	4.88831	32.17508	0.151928
0.397702	30.53673	11.71583	32.17508	0.364128
0.517609	35.78611	16.96521	32.17508	0.527278
0.689288	37.81078	18.98988	32.17508	0.590205
0.863159	48.73133	29.91043	32.17508	0.929615
	50.99597	32.17508		

BATCH #2

6.08 W/cm²

REPLICATE 1

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	46.45755	0	64.24815	0	45.75047	0	66.05962
0.247503	63.80558	17.34803	64.24815	0.270016	61.52737	15.77691	66.05962
0.391807	74.09645	27.6389	64.24815	0.43019	69.06011	23.30964	66.05962
0.495762	79.63875	33.18119	64.24815	0.516454	77.36079	31.61033	66.05962
0.614282	92.00809	45.55053	64.24815	0.708978	89.72876	43.97829	66.05962
0.802407	101.8724	55.41483	64.24815	0.862513	101.7624	56.01192	66.05962
	110.7057	64.24815			111.8101	66.05962	

6.97 W/cm²

REPLICATE 1

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	46.09577	0	64.18411	0	45.75658	0	62.82555
0.352022	66.35767	20.2619	64.18411	0.315684	63.77048	18.01389	62.82555
0.493516	79.70522	33.60945	64.18411	0.523641	75.98844	30.23186	62.82555
0.638496	90.91087	44.8151	64.18411	0.698227	84.66863	38.91204	62.82555
0.825571	97.69431	51.59854	64.18411	0.803915	95.56009	49.80351	62.82555
0.963941	110.1347	64.0389	64.18411	0.997738	108.6815	62.92492	62.82555
	110.2799	64.18411			108.5821	62.82555	

11.83 W/cm²

REPLICATE 1

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	44.90491	0	71.74017	0	44.36563	0	73.25798
0.40562	76.09085	31.18594	71.74017	0.434707	72.82424	28.45861	73.25798
0.603959	88.05063	43.14571	71.74017	0.601416	85.56082	41.19519	73.25798
0.725791	97.63287	52.72796	71.74017	0.734985	90.5046	46.13897	73.25798
0.833691	106.4258	61.52086	71.74017	0.857551	103.8969	59.5313	73.25798
1.033443	114.4524	69.5475	71.74017	0.969436	115.0672	70.70161	73.25798
	116.6451	71.74017			117.6236	73.25798	

17.14 W/cm²**REPLICATE 3****REPLICATE 1**

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	42.03317	0	68.01803	0	43.88918	0	75.28168
0.483559	85.74232	43.70915	68.01803	0.642611	80.06537	36.17619	75.28168
0.73109	96.15424	54.12107	68.01803	0.795687	101.7054	57.81622	75.28168
0.752178	105.1499	63.11671	68.01803	0.927941	110.6047	66.7155	75.28168
0.884405	109.0324	66.99927	68.01803	0.985022	120.4823	76.59313	75.28168
1.155215	114.1874	72.15427	68.01803	1.060811	120.2522	76.36307	75.28168
	110.0512	68.01803			119.1709	75.28168	

BATCH #3**6.08 W/cm²****REPLICATE 2****REPLICATE 1**

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	23.24603	0	25.19375	0	42.38061	0	52.15314
0.150533	28.17671	4.930684	25.19375	0.195711	51.07583	8.695215	52.15314
0.202423	28.96873	5.722695	25.19375	0.227147	51.0239	8.643286	52.15314
0.220404	31.64505	8.399025	25.19375	0.333377	58.18251	15.8019	52.15314
0.373154	35.15704	11.91101	25.19375	0.472776	65.71562	23.33501	52.15314
0.569424	39.9125	16.66647	25.19375	0.661532	78.78097	36.40035	52.15314
	48.43978	25.19375			94.53376	52.15314	

6.97 W/cm²**REPLICATE 1**

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	33.60283	0	73.03158
0.062506	43.5918	9.988971	73.03158
0.116577	51.53237	17.92954	73.03158
0.251836	58.23536	24.63253	73.03158
0.366613	68.33263	34.7298	73.03158
0.707207	83.74184	50.139	73.03158
	106.6344	73.03158	

11.83 W/cm²**REPLICATE 1**

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	54.62739	0	41.39226
0.172788	59.56947	4.942079	41.39226
0.301084	66.4041	11.77671	41.39226

0.416919	72.68759	18.0602	41.39226
0.552633	81.70863	27.08124	41.39226
0.764693	90.25744	35.63004	41.39226
	96.01965	41.39226	

17.14 W/cm2

REPLICATE 1

(F-F0)/(Ftx100-F0)	average F-F0 fluorescence	Ftx100-F0
0	38.42303	0 65.79467
0.140054	54.77377	16.35074 65.79467
0.285498	67.55627	29.13323 65.79467
0.357469	75.91286	37.48982 65.79467
0.535775	87.57243	49.1494 65.79467
0.82503	101.3417	62.91865 65.79467
	104.2177	65.79467

BATCH #2

6.08 W/cm2

REPLICATE 1

(F-F0)/(Ftx100-F0)	average F-F0 fluorescence	Ftx100-F0	(F-F0)/(Ftx100-F0)	average F-F0 fluorescence	Ftx100-F0
0	36.65844	0	84.73838	0	69.53431 0 80.74623
0.096918	45.00946	8.351025	84.73838	0.098551	71.61732 2.083017 80.74623
0.156714	55.95254	19.2941	84.73838	0.22769	79.80489 10.27058 80.74623
0.320591	58.43045	21.77201	84.73838	0.256932	88.29154 18.75723 80.74623
0.364427	72.24149	35.58305	84.73838	0.419917	97.87019 28.33589 80.74623
0.715679	97.44827	60.78983	84.73838	0.717382	116.6986 47.16425 80.74623
	121.3968	84.73838			150.2805 80.74623

6.97 W/cm2

REPLICATE 1

(F-F0)/(Ftx100-F0)	average F-F0 fluorescence	Ftx100-F0	(F-F0)/(Ftx100-F0)	average F-F0 fluorescence	Ftx100-F0
0	36.64171	0	84.48422	0	66.40748 0 81.27408
0.12321	48.88664	12.24492	84.48422	0.144937	75.05371 8.646233 81.27408
0.215212	59.95202	23.3103	84.48422	0.275913	83.17731 16.76983 81.27408
0.269598	65.74734	29.10563	84.48422	0.34451	91.60086 25.19339 81.27408
0.480405	76.37956	39.73785	84.48422	0.470358	106.2816 39.87411 81.27408
0.614008	94.99391	58.35219	84.48422	0.690687	127.2746 60.86715 81.27408
	121.1259	84.48422			147.6816 81.27408

11.83 W/cm2

REPLICATE 1

REPLICATE 3

(F-F0)/(Ftx100-F0)	average F-F0 fluorescence	Ftx100-F0	(F-F0)/(Ftx100-F0)	average F-F0 fluorescence	Ftx100-F0
0	33.73611	0	83.96943	62.49551	0
0.152942	48.92411	15.188	83.96943	78.38002	15.88451
0.326271	61.75515	28.01904	83.96943	90.48022	27.98471
0.455857	70.01699	36.28088	83.96943	100.2788	37.78327
0.62064	81.93692	48.20081	83.96943	116.8618	54.36626
0.766813	101.0915	67.35535	83.96943	138.1828	75.68728
	117.7055	83.96943		159.05	96.55444

17.14 W/cm2

REPLICATE 1

(F-F0)/(Ftx100-F0)	average F-F0 fluorescence	Ftx100-F0
0	56.27126	0
0.292925	82.36196	26.0907
0.423538	99.87206	43.6008
0.606481	110.5007	54.22945
0.795584	125.8701	69.59889
0.939629	140.0215	83.75023
	146.7067	90.43547

(F-F0)/(Ftx100-F0)	REPLICATE 2				(F-F0)/(Ftx100-F0)	REPLICATE 3		
	average fluorescence	F-F0	Ftx100-F0			average fluorescence	F-F0	Ftx100-F0
0	45.95295	0	65.45283	0		44.39249	0	63.20978
0.238828	62.79389	16.84095	65.45283	0.257299		58.89651	14.50402	63.20978
0.352858	70.4221	24.46916	65.45283	0.373844		68.00909	23.6166	63.20978
0.478512	78.29638	32.34344	65.45283	0.494149		74.82566	30.43317	63.20978
0.665736	90.81408	44.86113	65.45283	0.685396		85.82756	41.43507	63.20978
0.847899	107.5103	61.55733	65.45283	0.940484		99.3017	54.90921	63.20978
	111.4058	65.45283				107.6023	63.20978	

(F-F0)/(Ftx100-F0)	REPLICATE 2				(F-F0)/(Ftx100-F0)	REPLICATE 3		
	average fluorescence	F-F0	Ftx100-F0			average fluorescence	F-F0	Ftx100-F0
0	45.32181	0	67.83641	0		44.12119	0	57.98404
0.286729	64.08567	18.76386	67.83641	0.276605		68.78961	24.66842	57.98404
0.481203	79.22873	33.90692	67.83641	0.499834		82.44852	38.32733	57.98404
0.619366	87.19191	41.87011	67.83641	0.617222		87.70802	43.58683	57.98404
0.792727	103.4526	58.13074	67.83641	0.856925		97.62157	53.50038	57.98404
1.001582	109.5504	64.22855	67.83641	0.946815		107.5016	63.38037	57.98404
	113.1582	67.83641				102.1052	57.98404	

(F-F0)/(Ftx100-F0)	REPLICATE 2				(F-F0)/(Ftx100-F0)	REPLICATE 3		
	average fluorescence	F-F0	Ftx100-F0			average fluorescence	F-F0	Ftx100-F0
0	42.21117	0	72.55569	0		42.81273	0	75.39427
0.388471	67.23666	25.02549	72.55569	0.344914		67.93412	25.12139	75.39427
0.56233	79.60048	37.38931	72.55569	0.515319		82.38984	39.57711	75.39427
0.629815	88.88992	46.67875	72.55569	0.643351		90.80489	47.99216	75.39427
0.812626	100.944	58.73287	72.55569	0.809487		98.38456	55.57183	75.39427
0.965105	107.8412	65.63005	72.55569	0.904547		107.7376	64.92486	75.39427
	114.7669	72.55569				118.207	75.39427	

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	
	fluorescence				fluorescence			
0	41.8158	0	72.80219	0	42.10029	0	72.98188	
0.480544	77.54633	35.73053	72.80219	0.490789	80.35326	38.25297	72.98188	
0.767999	92.44403	50.62823	72.80219	0.695422	95.3451	53.24481	72.98188	
0.886212	102.2172	60.40143	72.80219	0.829665	104.1655	62.06524	72.98188	
1.017421	108.7396	66.92378	72.80219	0.919255	112.1798	70.07953	72.98188	
1.014365	113.9768	72.16098	72.80219	0.991192	121.614	79.51373	72.98188	
	114.618	72.80219			115.0822	72.98188		

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	
	fluorescence				fluorescence			
0	33.60283	0	48.86157	0	37.02339	0	48.43631	
0.166725	43.5918	9.988971	48.86157	0.204434	44.6346	7.611209	48.43631	
0.165729	51.53237	17.92954	48.86157	0.366946	47.75509	10.7317	48.43631	
0.30299	58.23536	24.63253	48.86157	0.504129	57.30857	20.28519	48.43631	
0.447432	68.33263	34.7298	48.86157	0.710779	61.86217	24.83879	48.43631	
0.697951	81.07687	47.47404	48.86157	0.971603	75.81185	38.78846	48.43631	
	82.4644	48.86157			85.4597	48.43631		

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	
	fluorescence				fluorescence			
0	39.67966	0	57.95353	0	32.27542	0	65.18521	
0.136776	48.8401	9.160443	57.95353	0.158065	47.59102	15.3156	65.18521	
0.245504	57.39573	17.71607	57.95353	0.305694	55.07722	22.8018	65.18521	
0.337286	64.46535	24.7857	57.95353	0.427682	59.01546	26.74005	65.18521	
0.475545	71.07088	31.39122	57.95353	0.541662	70.46536	38.18994	65.18521	
0.686539	84.84826	45.1686	57.95353	0.779393	92.06658	59.79116	65.18521	
	97.63319	57.95353			97.46063	65.18521		

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	
	fluorescence				fluorescence			
0	37.56436	0	63.60756	0	31.8486	0	68.82416	
0.119396	53.2425	15.67814	63.60756	0.246482	48.95879	17.1102	68.82416	
0.284515	57.86403	20.29967	63.60756	0.319139	59.98851	28.13992	68.82416	

0.436318	67.35899	29.79463	63.60756	0.468413	67.05881	35.21022	68.82416
0.654258	78.50491	40.94055	63.60756	0.643643	77.8636	46.015	68.82416
0.86079	90.07541	52.51105	63.60756	0.825547	95.15226	63.30366	68.82416
	101.1719	63.60756			100.6728	68.82416	

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3		
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0
	fluorescence				fluorescence		
0	34.78363	0	78.02397	0	38.14601	0	58.84085
0.248512	53.82689	19.04326	78.02397	0.244069	53.64904	15.50303	58.84085
0.44279	65.75053	30.9669	78.02397	0.39689	65.09151	26.9455	58.84085
0.5698	74.13403	39.35039	78.02397	0.504337	73.15539	35.00937	58.84085
0.747012	84.26741	49.48378	78.02397	0.634212	83.13054	44.98452	58.84085
0.956288	102.5112	67.72757	78.02397	0.868035	92.92099	54.77497	58.84085
	112.8076	78.02397			96.98687	58.84085	

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	
	fluorescence				fluorescence			
0	57.57679	0	94.19227	0	55.59306	0	101.7015	
0.025797	68.88809	11.3113	94.19227	0.120087	71.59164	15.99858	101.7015	
0.127196	77.90657	20.32978	94.19227	0.215833	72.18131	16.58826	101.7015	
0.232299	84.20004	26.62325	94.19227	0.282648	89.84798	34.25492	101.7015	
0.350925	98.07024	40.49345	94.19227	0.429902	100.9481	45.35502	101.7015	
0.584105	118.7378	61.16106	94.19227	0.649321	112.5213	56.92826	101.7015	
	151.7691	94.19227			157.2945	101.7015		

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3		
	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	62.03064	0	94.17443	0	63.57603	0	102.2555
0.106384	71.79887	9.768232	94.17443	0.103725	83.50674	19.9307	102.2555
0.206337	92.36622	30.33558	94.17443	0.322121	90.20163	26.62559	102.2555
0.309981	94.33224	32.30161	94.17443	0.342998	105.9547	42.3787	102.2555
0.490613	112.9843	50.9537	94.17443	0.541057	111.9472	48.3712	102.2555
0.748912	130.3626	68.33197	94.17443	0.725589	133.2256	69.64956	102.2555
	156.2051	94.17443			165.8316	102.2555	

REPLICATE 2

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	Ftx100-F ₀	$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	Ftx100-F ₀
0	64.62679	0	94.70824	0	49.25011	0	87.54072
0.164513	75.75756	11.13078	94.70824	0.117527	66.42829	17.17818	87.54072
0.289833	93.00142	28.37464	94.70824	0.299601	77.0442	27.79409	87.54072
0.391316	105.2028	40.576	94.70824	0.428432	87.46709	38.21698	87.54072
0.563063	125.1228	60.49601	94.70824	0.638762	102.4812	53.23113	87.54072
0.783882	137.2277	72.6009	94.70824	0.766574	117.8717	68.62155	87.54072
	159.335	94.70824			136.7908	87.54072	

REPLICATE 2				REPLICATE 3			
$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	Ftx100-F ₀	$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	Ftx100-F ₀
0	56.50463	0	106.1959	0	61.19176	0	110.1523
0.288501	87.86593	31.3613	106.1959	0.295316	94.50538	33.31362	110.1523
0.482121	113.4509	56.94625	106.1959	0.536238	111.3887	50.19689	110.1523
0.599648	118.62	62.11539	106.1959	0.584913	121.0335	59.84169	110.1523
0.769597	146.3037	89.79908	106.1959	0.845599	136.78	75.58824	110.1523
0.926077	151.0141	94.50943	106.1959	0.889954	146.7815	85.58975	110.1523
	162.7005	106.1959			171.3441	110.1523	

BATCH #3

6.08 W/cm²

REPLICATE 1

REPLICATE 2

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	46.13682	0	63.5025	0	45.43599	0	62.81266
0.229458	59.02942	12.8926	63.5025	0.203025	59.60469	14.1687	62.81266
0.373623	68.1041	21.96728	63.5025	0.345928	68.52791	23.09193	62.81266
0.481463	74.57439	28.43757	63.5025	0.447818	77.04727	31.61129	62.81266
0.655517	83.67186	37.53504	63.5025	0.59108	85.21768	39.78169	62.81266
0.868682	96.52791	50.39109	63.5025	0.793529	93.73852	48.30254	62.81266
	109.6393	63.5025			108.2486	62.81266	

6.97 W/cm²

REPLICATE 1

REPLICATE 2

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	49.07367	0	63.95728	0	48.37923	0	69.5919
0.425435	70.2659	21.19223	63.95728	0.33135	68.57364	20.19441	69.5919
0.660998	85.23587	36.16221	63.95728	0.565412	82.30004	33.92081	69.5919
0.751704	93.46059	44.38692	63.95728	0.694009	87.59842	39.21919	69.5919
0.922674	104.9557	55.88205	63.95728	0.87374	96.21537	47.83614	69.5919
1.093066	110.6795	61.60583	63.95728	0.963234	104.2801	55.90087	69.5919
	113.031	63.95728			117.9711	69.5919	

11.83 W/cm²

REPLICATE 1

REPLICATE 2

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	49.32524	0	71.25195	0	41.96002	0	65.17297
0.3332	73.82263	24.49739	71.25195	0.343814	65.16311	23.20309	65.17297
0.524935	86.41592	37.09068	71.25195	0.520557	79.66305	37.70303	65.17297
0.636549	94.58642	45.26118	71.25195	0.635227	84.76718	42.80716	65.17297
0.737083	104.2829	54.95763	71.25195	0.771314	92.56087	50.60085	65.17297
0.861138	110.8793	61.55404	71.25195	0.863893	97.80776	55.84774	65.17297
	120.5772	71.25195			107.133	65.17297	

17.14 W/cm2

REPLICATE 1

REPLICATE 2

(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0
	fluorescence				fluorescence		
0	46.39899	0	69.43131	0	45.97049	0	72.51887
0.524143	84.78896	38.38997	69.43131	0.55292	86.14425	40.17376	72.51887
0.729562	96.03562	49.63662	69.43131	0.714903	99.59047	53.61998	72.51887
0.85042	101.2235	54.82455	69.43131	0.789623	101.4106	55.44015	72.51887
0.960232	115.3196	68.92059	69.43131	0.992644	107.4815	61.51102	72.51887
1.089499	112.5583	66.15929	69.43131	0.952874	107.8176	61.84716	72.51887
	115.8303	69.43131			118.4894	72.51887	

(F-F0)/(Ftx100-F0)

0
0.157139
0.221563
0.418801
0.512813
0.800814

(F-F0)/(Ftx100-F0)

0
0.234955
0.3498
0.410216
0.585868
0.91725

(F-F0)/(Ftx100-F0)

0
0.248607
0.408867

0.511597
0.668588
0.919788

(F-F0)/(Ftx100-F0)

0
0.263474
0.457939
0.594984
0.764512
0.9309

BATCH #3

6.08 W/cm2

REPLICATE 1

REPLICATE 2

(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0
	fluorescence				fluorescence		
<u>0</u>	64.57567	0	94.95024	0	62.42075	0	89.09205
0.157309	77.43944	12.86377	94.95024	0.135479	77.4586	15.03785	89.09205
0.163107	89.53179	24.95612	94.95024	0.262834	89.84797	27.42722	89.09205
0.336818	104.06	39.48435	94.95024	0.415843	97.00798	34.58724	89.09205
0.445962	124.151	59.57535	94.95024	0.627438	115.0914	52.67061	89.09205
0.559759	132.4723	67.89667	94.95024	0.715076	128.6282	66.20748	89.09205
	159.5259	94.95024			151.5128	89.09205	

6.97 W/cm2

REPLICATE 1

REPLICATE 2

(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0
	fluorescence				fluorescence		
<u>0</u>	58.87901	0	94.93416	0	65.49693	0	88.17501
0.194911	87.89126	29.01225	94.93416	0.305604	80.43241	14.93548	88.17501
0.260383	97.34345	38.46443	94.93416	0.40517	97.85477	32.35784	88.17501
0.414439	115.256	56.37695	94.93416	0.593853	113.527	48.03007	88.17501
0.473042	125.4621	66.58307	94.93416	0.701361	129.3989	63.902	88.17501
0.681132	142.3433	83.46431	94.93416	0.879181	138.2052	72.7083	88.17501
	153.8132	94.93416			153.6719	88.17501	

11.83 W/cm2

REPLICATE 1

REPLICATE 2

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀
0	61.78748	0	124.4554	0	60.94861	0	105.5811
0.196231	94.45367	32.66619	124.4554	0.262473	91.24255	30.29394	105.5811
0.317499	117.1795	55.39202	124.4554	0.445075	110.4534	49.50477	105.5811
0.436562	123.2698	61.48234	124.4554	0.494011	129.9824	69.0338	105.5811
0.608073	134.7166	72.92915	124.4554	0.585986	140.9917	80.04312	105.5811
0.783881	152.3838	90.59632	124.4554	0.727942	150.858	89.90942	105.5811
	186.2429	124.4554			166.5297	105.5811	

17.14 W/cm²

REPLICATE 1

REPLICATE 2

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀
0	67.51175	0	94.38288	0	66.75018	0	101.7994
0.302432	108.0858	40.57403	94.38288	0.429888	114.1225	47.37231	101.7994
0.455704	132.4214	64.90961	94.38288	0.687727	123.8811	57.13091	101.7994
0.543263	150.4326	82.92089	94.38288	0.878559	150.3532	83.60299	101.7994
0.686216	155.3115	87.79974	94.38288	0.930251	155.9262	89.17605	101.7994
0.777013	161.5345	94.02273	94.38288	0.996184	169.0051	102.2549	101.7994
	161.8946	94.38288			168.5496	101.7994	

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$
	fluorescence			
0	50.26989	0	57.73011	0
0.225571	64.55754	14.28765	57.73011	0.24749
0.367632	71.55343	21.28354	57.73011	0.368673
0.503263	79.07978	28.80988	57.73011	0.499044
0.633339	94.81733	44.54743	57.73011	0.77165
0.768994	108.1997	57.92979	57.73011	1.003459
	108	57.73011		

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$
	fluorescence			
0	45.10072	0	64.07916	0
0.290183	65.28287	20.18215	64.07916	0.314957
0.487425	76.6085	31.50778	64.07916	0.491701
0.56356	83.95782	38.8571	64.07916	0.606392
0.687381	94.16985	49.06913	64.07916	0.765758
0.803267	101.1089	56.00814	64.07916	0.874046
	109.1799	64.07916		

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$
	fluorescence			
0	43.29374	0	71.62425	0
0.356023	72.04948	28.75574	71.62425	0.40148
0.578507	87.67187	44.37812	71.62425	0.619596
0.656824	92.17897	48.88522	71.62425	0.682523
0.776409	99.35119	56.05745	71.62425	0.78266
0.856916	112.9586	69.66486	71.62425	0.972643
	114.918	71.62425		

REPLICATE 3

(F-F0)/(Ftx100-F0)	average	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
	fluorescence			
0	46.23314	0	67.39539	0
0.553977	83.75281	37.51968	67.39539	0.55671
0.739394	96.85227	50.61913	67.39539	0.751077
0.764493	101.7744	55.54123	67.39539	0.82411
0.848207	109.7236	63.49043	67.39539	0.942059
0.852842	111.613	65.37987	67.39539	0.970094
	113.6285	67.39539		

BATCH #4

6.08 W/cm²

REPLICATE 1

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	23.32293	0	38.60042	
0.16879	30.30164	6.978709	38.60042	
0.307853	34.80127	11.47834	38.60042	
0.388219	42.08755	18.76462	38.60042	
0.591193	46.75918	23.43626	38.60042	
0.743136	53.14329	29.82036	38.60042	
	61.92335	38.60042		

6.97 W/cm²

REPLICATE 1

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	24.50675	0	37.79835	
0.169384	35.295	10.78825	37.79835	
0.366973	41.86624	17.35949	37.79835	
0.544713	48.69166	24.18491	37.79835	
0.724718	53.43571	28.92895	37.79835	
0.824591	62.67004	38.16329	37.79835	
	62.3051	37.79835		

11.83 W/cm²

REPLICATE 1

REPLICATE 3

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	66.43686	0	98.79221	0
0.16879	75.54925	9.11239	98.79221	0.092238
0.307853	93.80697	27.37011	98.79221	0.277047
0.388219	102.7689	36.33202	98.79221	0.367762
0.591193	121.008	54.57117	98.79221	0.552383
0.743136	140.4836	74.04675	98.79221	0.74952
	165.2291	98.79221		

REPLICATE 3

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	67.41403	0	100.1605	0
0.169384	88.04349	20.62946	100.1605	0.205964
0.366973	103.3687	35.95467	100.1605	0.358971
0.544713	120.1046	52.69059	100.1605	0.526062
0.724718	141.3517	73.93765	100.1605	0.738192
0.824591	158.9535	91.53946	100.1605	0.913928
	167.5745	100.1605		

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$
0	63.73744	0	108.3114	0
0.286926	104.7977	41.06028	108.3114	0.379095
0.468879	119.6759	55.93848	108.3114	0.51646
0.653846	121.7977	58.06022	108.3114	0.536049
0.75812	152.2039	88.46649	108.3114	0.816779
0.851567	159.4206	95.68313	108.3114	0.883408
	172.0488	108.3114		

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0
	23.74796	0	39.66309
	37.63769	13.88973	39.66309
	44.88275	21.1348	39.66309
	49.16336	25.41541	39.66309
	56.56397	32.81602	39.66309
	60.31713	36.56917	39.66309
	63.41105	39.66309	

REPLICATE 3				
$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$
0	64.53335	0	99.70538	0
0.465349	111.7221	47.18876	99.70538	0.473282
0.56121	130.5317	65.99835	99.70538	0.661934
0.821252	139.258	74.72467	99.70538	0.749455
0.875998	156.5	91.96664	99.70538	0.922384
1.004474	158.458	93.92463	99.70538	0.942022
	164.2387	99.70538		

17.14 W/cm2			
REPLICATE 1			
$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0
	24.34448	0	42.5311
	46.82472	22.48023	42.5311
	55.74334	31.39885	42.5311
	61.39919	37.05471	42.5311
	64.16988	39.8254	42.5311
	70.00383	45.65934	42.5311
	66.87558	42.5311	

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	
0	23.94366	0	38.35497	0	23.88134	0	40.21591	
0.180794	33.87301	9.929354	38.35497	0.258881	34.05014	10.1688	40.21591	
0.297363	38.55741	14.61376	38.35497	0.381013	39.4015	15.52016	40.21591	
0.486125	45.51486	21.5712	38.35497	0.562409	43.67959	19.79825	40.21591	
0.60715	51.71074	27.76708	38.35497	0.72395	47.6317	23.75036	40.21591	
0.77254	54.57454	30.63088	38.35497	0.798616	54.56724	30.6859	40.21591	
	62.29863	38.35497			64.09725	40.21591		

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	
0	23.89949	0	42.03514	0	24.3371	0	43.24983	
0.285416	34.63012	10.73063	42.03514	0.255278	38.61772	14.28062	43.24983	
0.459266	40.65663	16.75714	42.03514	0.398646	42.90691	18.56981	43.24983	
0.639841	46.28463	22.38514	42.03514	0.532534	48.24881	23.9117	43.24983	
0.76535	53.12778	29.22829	42.03514	0.69533	55.45418	31.11708	43.24983	
1.009655	57.81498	33.91549	42.03514	0.806837	64.18758	39.85048	43.24983	
	65.93463	42.03514			67.58693	43.24983		

REPLICATE 2

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀
0	26.0358	0	45.35682	0	24.4933	0	44.25536
0.350193	38.92735	12.89155	45.35682	0.284225	39.25887	14.76557	44.25536
0.532858	47.72787	21.69207	45.35682	0.478254	49.25572	24.76242	44.25536
0.640782	51.87967	25.84388	45.35682	0.56979	51.7116	27.2183	44.25536
0.827369	60.19099	34.15519	45.35682	0.753033	61.91593	37.42263	44.25536
0.921995	65.39883	39.36303	45.35682	0.867853	63.29677	38.80347	44.25536
	71.39262	45.35682			68.74866	44.25536	

REPLICATE 2				REPLICATE 3			
$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀
0	23.1713	0	41.43433	0	24.06414	0	37.37745
0.52856	44.50966	21.33837	41.43433	0.514992	45.90835	21.84421	37.37745
0.738256	51.78295	28.61166	41.43433	0.69053	54.22788	30.16374	37.37745
0.871238	56.10839	32.93709	41.43433	0.794923	61.05463	36.99048	37.37745
0.936383	61.14191	37.97061	41.43433	0.916405	61.94589	37.88175	37.37745
1.073552	62.15242	38.98113	41.43433	0.940793	65.21169	41.14755	37.37745
	64.60563	41.43433			61.44159	37.37745	

BATCH #5

6.08 W/cm²

REPLICATE 1

REPLICATE 2

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	48.08855	0	80.20485	0	46.99254	0	76.11055
0.252855	61.50018	13.41162	80.20485	0.167217	58.97946	11.98692	76.11055
0.385921	71.00762	22.91907	80.20485	0.285757	67.16995	20.17742	76.11055
0.492299	75.25165	27.1631	80.20485	0.338671	74.78795	27.79542	76.11055
0.590571	89.22201	41.13346	80.20485	0.512855	85.20692	38.21439	76.11055
0.763029	105.2943	57.20577	80.20485	0.713246	97.06694	50.0744	76.11055
	128.2934	80.20485			123.1031	76.11055	

6.97 W/cm²

REPLICATE 1

REPLICATE 2

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0
0	45.69321	0	79.23852	0	43.60234	0	72.06119
0.330189	64.58902	18.89581	79.23852	0.238467	60.61048	17.00813	72.06119
0.429361	74.42607	28.73286	79.23852	0.362612	72.12397	28.52162	72.06119
0.552874	88.11871	42.4255	79.23852	0.535415	79.60876	36.00642	72.06119
0.719473	95.00645	49.31323	79.23852	0.622339	94.79545	51.1931	72.06119
0.921402	114.7461	69.05291	79.23852	0.871456	106.2353	62.63294	72.06119
	124.9317	79.23852			115.6635	72.06119	

11.83 W/cm²

REPLICATE 1

REPLICATE 2

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0
0	43.4772	0	72.35804	0	45.79459	0	85.10969
0.333645	67.25598	23.77878	72.35804	0.328627	67.43005	21.63545	85.10969
0.559535	79.5144	36.0372	72.35804	0.49804	84.20396	38.40937	85.10969
0.615028	86.87746	43.40026	72.35804	0.599799	96.69656	50.90197	85.10969
0.845607	98.22407	54.74687	72.35804	0.756611	108.3678	62.57317	85.10969
0.876808	106.7691	63.29192	72.35804	0.874705	118.3998	72.60517	85.10969
	115.8352	72.35804			130.9043	85.10969	

17.14 W/cm²

REPLICATE 1

REPLICATE 2

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0
0	44.76145	0	79.0069	0	43.2674	0	79.31023
0.584422	83.97957	39.21812	79.0069	0.496389	81.78847	38.52107	79.31023
0.807004	97.51025	52.7488	79.0069	0.667648	94.19714	50.92975	79.31023
0.989647	106.6726	61.91118	79.0069	0.783617	101.1798	57.91237	79.31023
1.013492	115.9783	71.21685	79.0069	0.9014	115.7201	72.45272	79.31023
1.100866	117.7647	73.00322	79.0069	0.924011	123.2501	79.9827	79.31023
	123.7684	79.0069			122.5776	79.31023	

BATCH #6**6.08 W/cm²****REPLICATE 1**

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	43.3042	0	64.60409	
0.157494	47.22394	3.919736	64.60409	
0.265107	56.27864	12.97444	64.60409	
0.365198	59.97208	16.66788	64.60409	
0.502091	70.09092	26.78672	64.60409	
0.657917	82.50278	39.19858	64.60409	
	107.9083	64.60409		

6.97 W/cm²**REPLICATE 1**

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	41.59651	0	67.12267	
0.236024	54.049	12.45249	67.12267	
0.395797	61.91244	20.31593	67.12267	
0.499665	66.13666	24.54014	67.12267	
0.710412	80.44814	38.85163	67.12267	
0.869163	92.16948	50.57297	67.12267	
	108.7192	67.12267		

11.83 W/cm²**REPLICATE 1****REPLICATE 3**

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	43.59759	0	72.62875	0
0.157494	53.23767	9.640084	72.62875	0.132731
0.265107	61.95114	18.35356	72.62875	0.252704
0.365198	69.4361	25.83851	72.62875	0.355761
0.502091	79.39591	35.79833	72.62875	0.492895
0.657917	95.19794	51.60035	72.62875	0.710467
	116.2263	72.62875		

REPLICATE 3

(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)
0	44.19769	0	74.85444	0
0.236024	60.85737	16.65968	74.85444	0.222561
0.395797	73.1581	28.96041	74.85444	0.38689
0.499665	80.99735	36.79966	74.85444	0.491616
0.710412	93.51949	49.3218	74.85444	0.658903
0.869163	106.106	61.90829	74.85444	0.827049
	119.0521	74.85444		

REPLICATE 3

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$
0	44.62796	0	82.94074	0
0.254207	66.93836	22.3104	82.94074	0.268992
0.451293	82.45086	37.8229	82.94074	0.456023
0.598075	94.35078	49.72282	82.94074	0.599498
0.735206	106.0617	61.43379	82.94074	0.740695
0.853078	113.6767	69.04874	82.94074	0.832507
	127.5687	82.94074		

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀
	35.56324	0	52.90451
	48.86932	13.30608	52.90451
	57.19724	21.634	52.90451
	64.17127	28.60802	52.90451
	73.44151	37.87827	52.90451
	89.9632	54.39995	52.90451
	88.46775	52.90451	

17.14 W/cm²

REPLICATE 3				
$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F ₀	F _{tx100} -F ₀	$(F-F_0)/(F_{tx100}-F_0)$
0	41.09503	0	62.10926	0
0.485701	76.83039	35.73536	62.10926	0.575363
0.642159	89.85023	48.7552	62.10926	0.784991
0.730201	96.38641	55.29138	62.10926	0.890228
0.913536	105.7861	64.69109	62.10926	1.041569
1.008479	104.1461	63.05104	62.10926	1.015163
	103.2043	62.10926		

REPLICATE 1		
$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F _{tx100} -F ₀
	37.93946	0
	60.41387	22.47441
	76.90261	38.96315
	85.75647	47.81701
	94.59	56.65055
	95.81205	57.8726
	102.8214	64.88196

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	
0	37.61647	0	57.77927	0	34.84342	0	55.29426	
0.060673	45.73425	8.117777	57.77927	0.140496	42.00662	7.163192	55.29426	
0.20083	50.97152	13.35505	57.77927	0.231139	47.95043	13.10701	55.29426	
0.258	55.72084	18.10437	57.77927	0.313337	52.53633	17.6929	55.29426	
0.414629	63.54629	25.92982	57.77927	0.448774	60.15845	25.31503	55.29426	
0.606751	74.52286	36.90639	57.77927	0.638748	70.96735	36.12393	55.29426	
	95.39574	57.77927			90.13768	55.29426		

(F-F0)/(Ftx100-F0)	REPLICATE 2				REPLICATE 3			
	average fluorescence	F-F0	Ftx100-F0	(F-F0)/(Ftx100-F0)	average fluorescence	F-F0	Ftx100-F0	
0	40.65362	0	63.87902	0	36.88917	0	68.59589	
0.185518	51.68545	11.03183	63.87902	0.172699	51.84132	14.95215	68.59589	
0.302669	61.27448	20.62086	63.87902	0.322811	61.32941	24.44023	68.59589	
0.365601	66.81035	26.15673	63.87902	0.409473	66.93514	30.04596	68.59589	
0.578815	79.07406	38.42045	63.87902	0.601456	75.28821	38.39904	68.59589	
0.753441	89.62229	48.96867	63.87902	0.766585	91.48509	54.59592	68.59589	
	104.5326	63.87902			105.4851	68.59589		

REPLICATE 2

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$
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0	35.57632	0	60.31479	0
0.251511	49.98042	14.4041	60.31479	0.238815
0.408925	60.15002	24.57369	60.31479	0.407424
0.540748	65.97922	30.4029	60.31479	0.50407
0.715974	74.54556	38.96924	60.31479	0.646098
1.028267	83.44777	47.87144	60.31479	0.793693
	95.89112	60.31479		

REPLICATE 2

$(F-F_0)/(F_{tx100}-F_0)$	average fluorescence	F-F0	Ftx100-F0	$(F-F_0)/(F_{tx100}-F_0)$
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0	36.82464	0	60.88034	0
0.346389	60.42233	23.59769	60.88034	0.387608
0.600524	76.44428	39.61963	60.88034	0.650779
0.736985	84.34924	47.5246	60.88034	0.780623
0.873132	93.41815	56.59351	60.88034	0.929586
0.891967	93.63282	56.80817	60.88034	0.933112
	97.70498	60.88034		

(F-F0)/(Ftx100-F0)

<hr/>
0
0.129547
0.237041
0.319977
0.457824
<hr/> 0.653303

(F-F0)/(Ftx100-F0)

<hr/>
0
0.217974
0.356293
0.438014
0.559786
<hr/> 0.795907
