

# Fluorescence analysis report

08 oktober, 2022

## Summary

The dataset contains 96 samples.

96 conditions were identified:

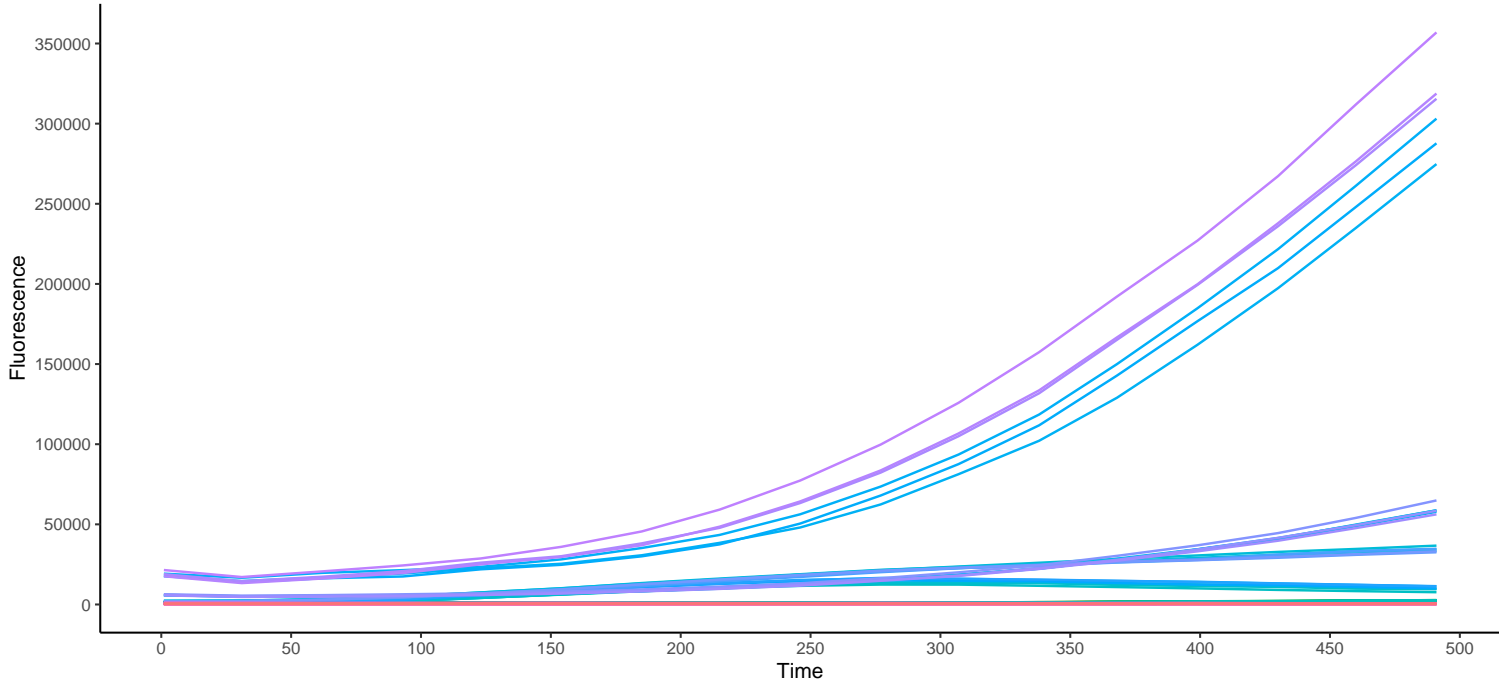
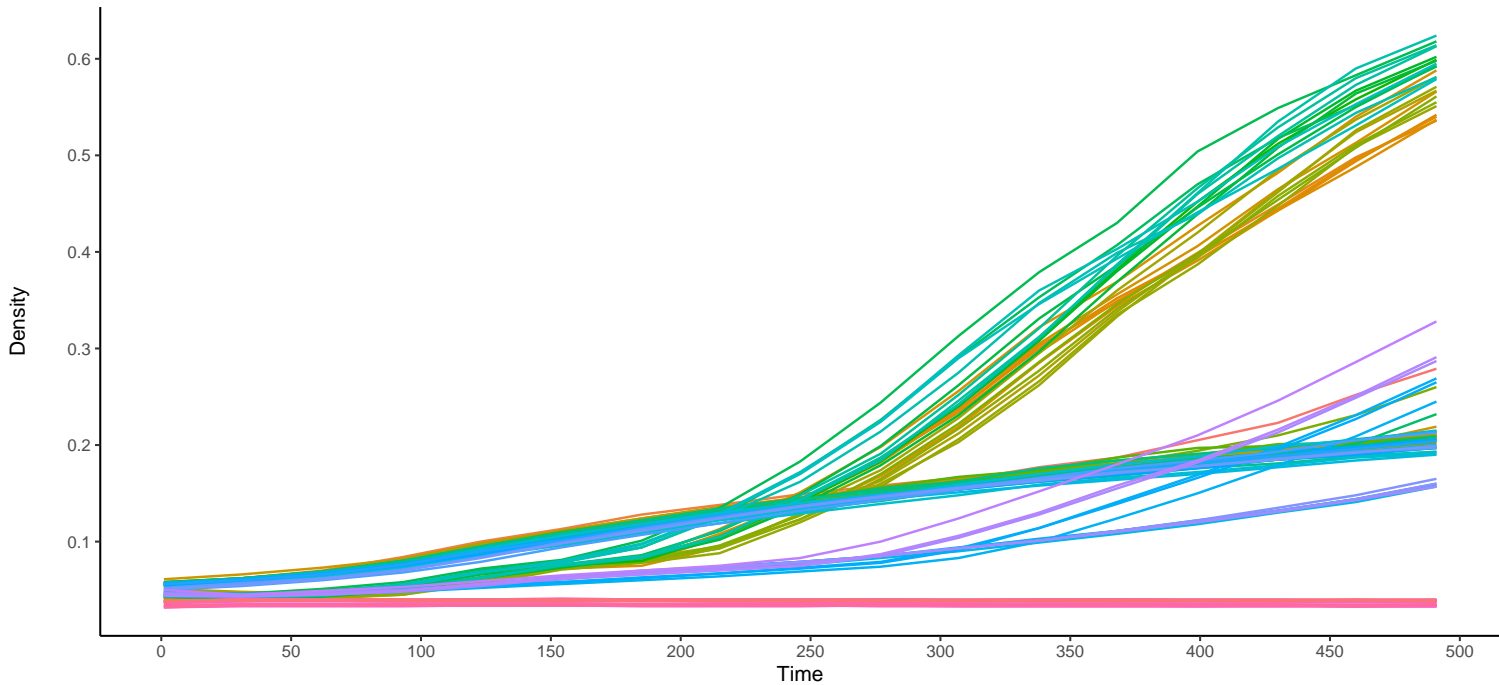
A01, A02, A03, A04, A05, A06, A07, A08, A09, A10, A11, A12, B01, B02, B03, B04, B05, B06, B07, B08, B09, B10, B11, B12, C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, D01, D02, D03, D04, D05, D06, D07, D08, D09, D10, D11, D12, E01, E02, E03, E04, E05, E06, E07, E08, E09, E10, E11, E12, F01, F02, F03, F04, F05, F06, F07, F08, F09, F10, F11, F12, G01, G02, G03, G04, G05, G06, G07, G08, G09, G10, G11, G12, H01, H02, H03, H04, H05, H06, H07, H08, H09, H10, H11, H12

0 different concentrations were identified:

The following parameters were used to fit the data:

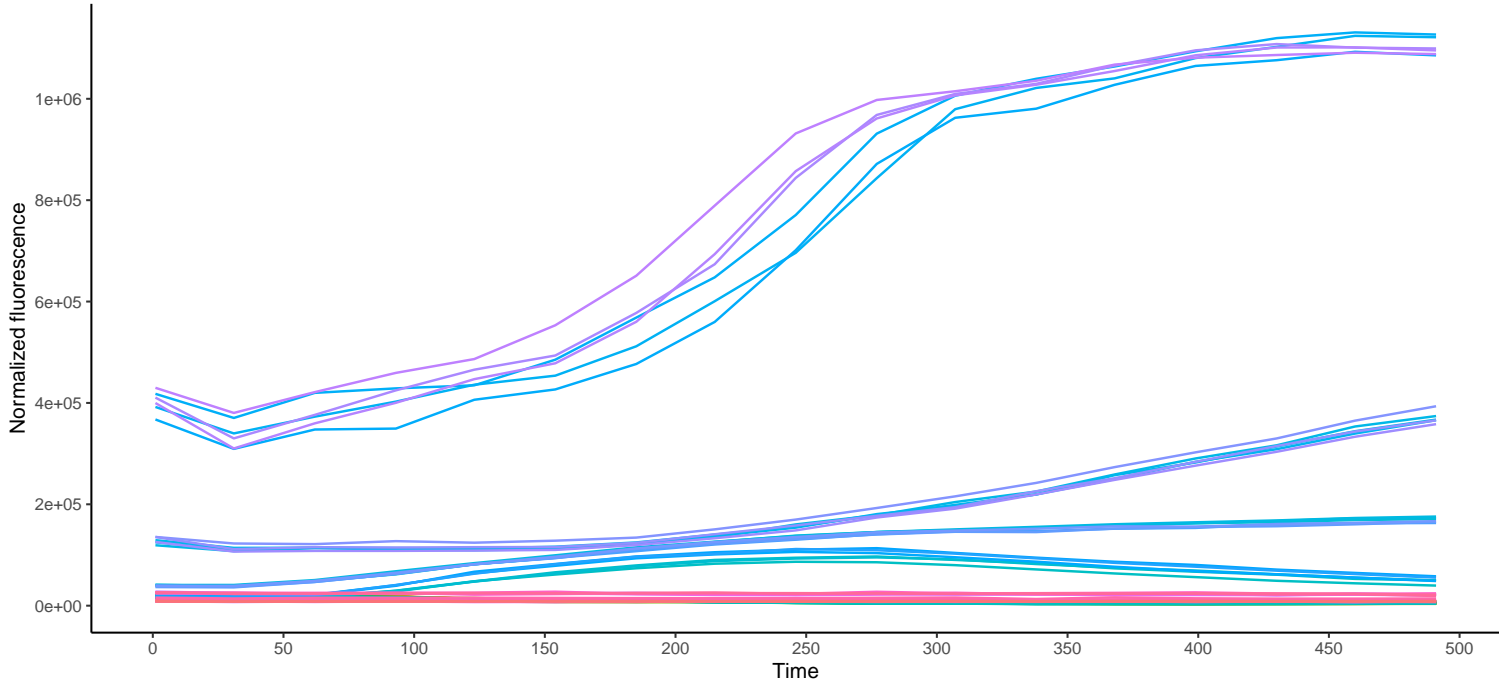
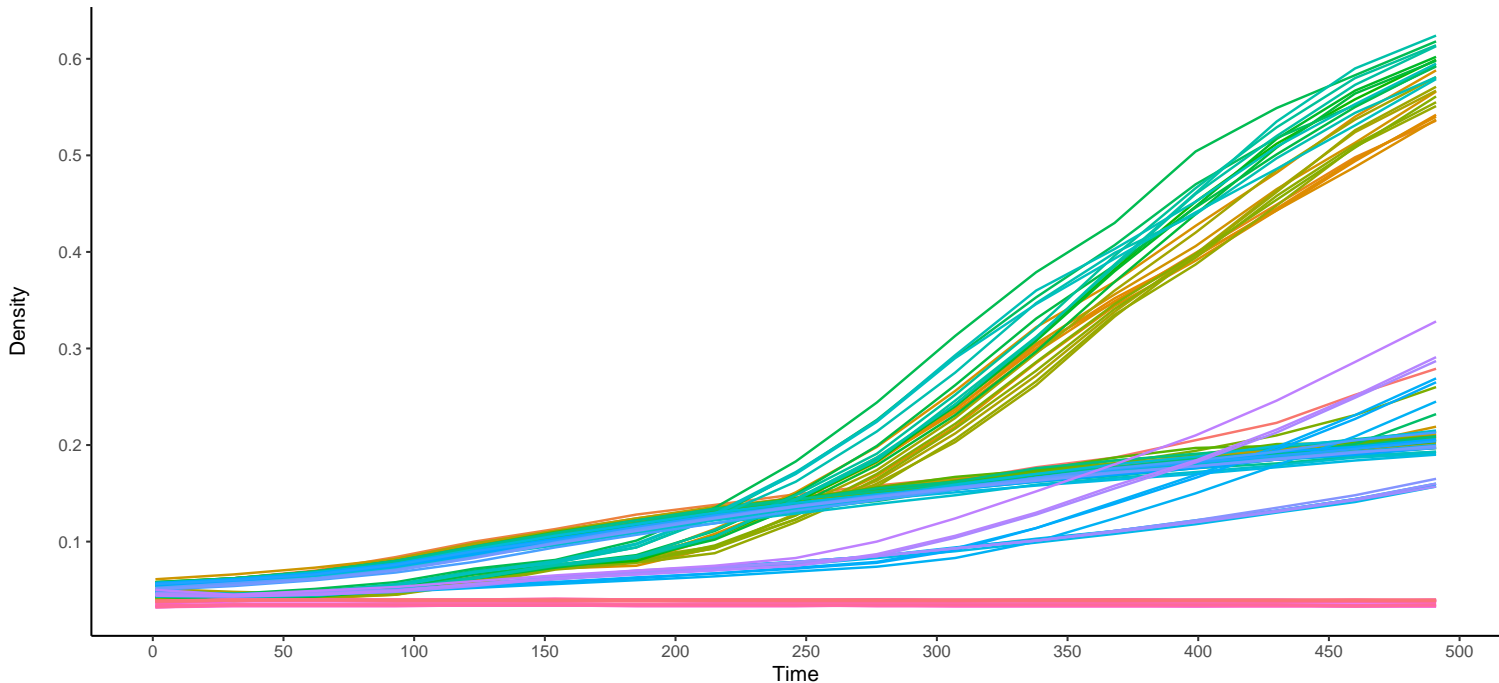
- minimum density considered: 0
- minimum time considered for linear and spline fits (t0): 4
- data type used as independent variable: density
- log-transform density values for spline fits: FALSE
- log-transform density values for linear fits: FALSE
- log-transform time values for spline fits: FALSE
- log-transform time values for linear fits:
- perform dose-response analysis: TRUE
- method used for dose-response analysis:
- parameter used for dose-response analysis: model
- growth threshold:  $1.5 * \text{start\_density}$

Graphical overview - Fluorescence 1



name				
A01	B09	D05	F01	G09
A02	B10	D06	F02	G10
A03	B11	D07	F03	G11
A04	B12	D08	F04	G12
A05	C01	D09	F05	H01
A06	C02	D10	F06	H02
A07	C03	D11	F07	H03
A08	C04	D12	F08	H04
A09	C05	E01	F09	H05
A10	C06	E02	F10	H06
A11	C07	E03	F11	H07
A12	C08	E04	F12	H08
B01	C09	E05	G01	H09
B02	C10	E06	G02	H10
B03	C11	E07	G03	H11
B04	C12	E08	G04	H12
B05	D01	E09	G05	
B06	D02	E10	G06	
B07	D03	E11	G07	
B08	D04	E12	G08	

Graphical overview - Normalized fluorescence 1



name

A01	B09	D05	F01	G09
A02	B10	D06	F02	G10
A03	B11	D07	F03	G11
A04	B12	D08	F04	G12
A05	C01	D09	F05	H01
A06	C02	D10	F06	H02
A07	C03	D11	F07	H03
A08	C04	D12	F08	H04
A09	C05	E01	F09	H05
A10	C06	E02	F10	H06
A11	C07	E03	F11	H07
A12	C08	E04	F12	H08
B01	C09	E05	G01	H09
B02	C10	E06	G02	H10
B03	C11	E07	G03	H11
B04	C12	E08	G04	H12
B05	D01	E09	G05	
B06	D02	E10	G06	
B07	D03	E11	G07	
B08	D04	E12	G08	



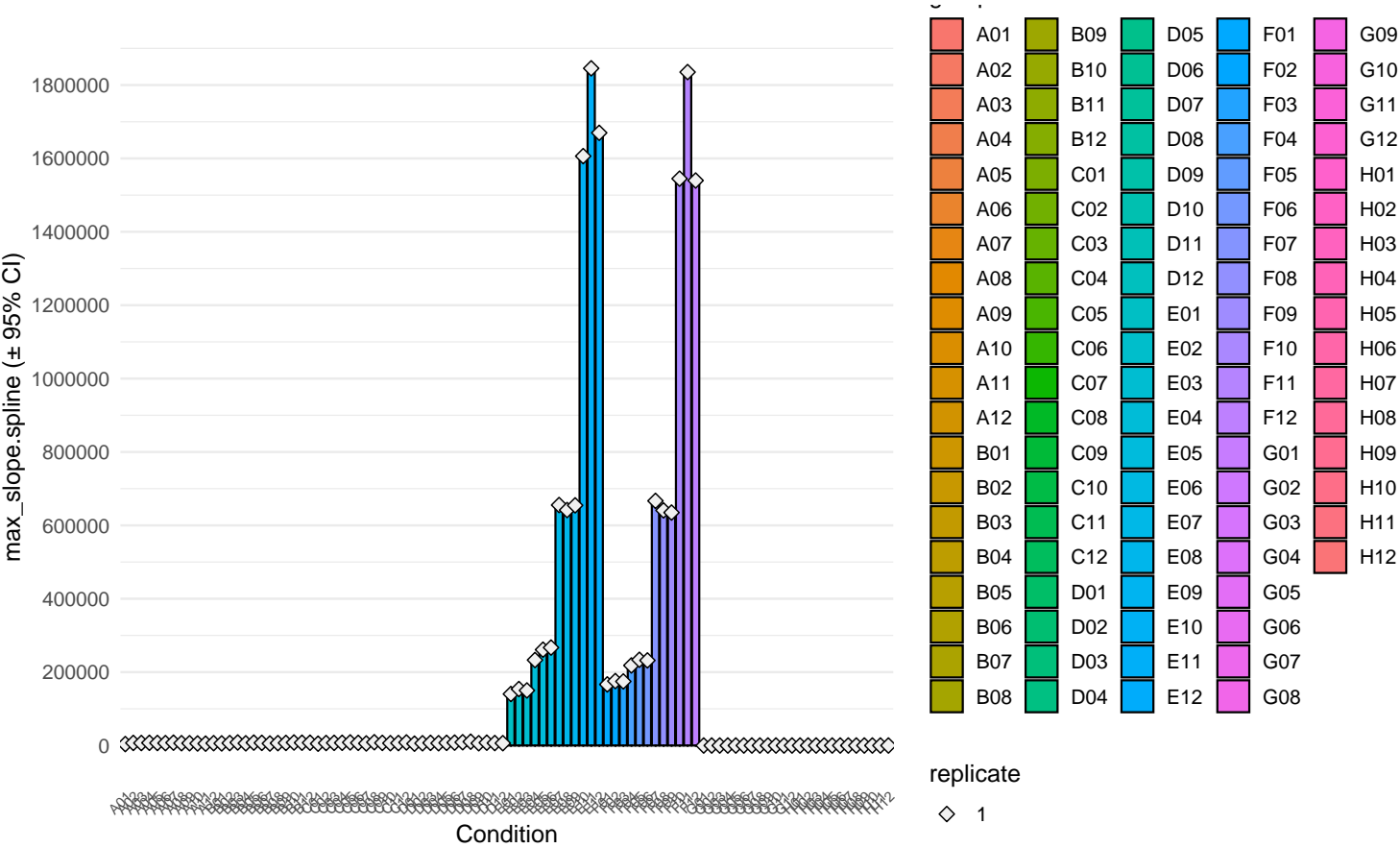
Fluorescence fit results

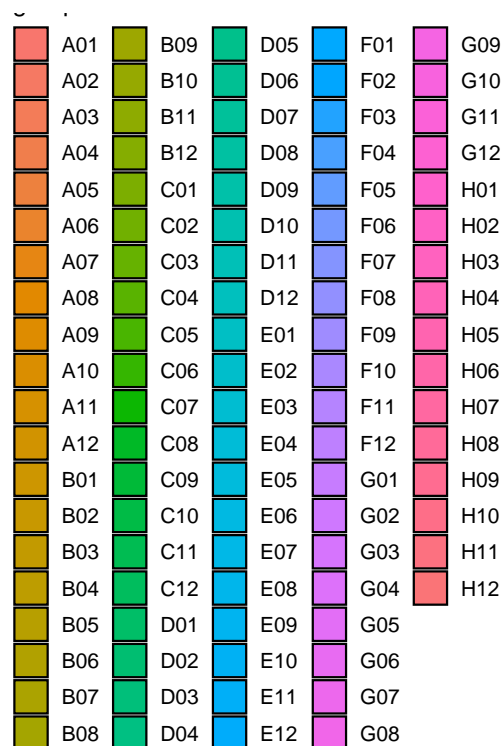
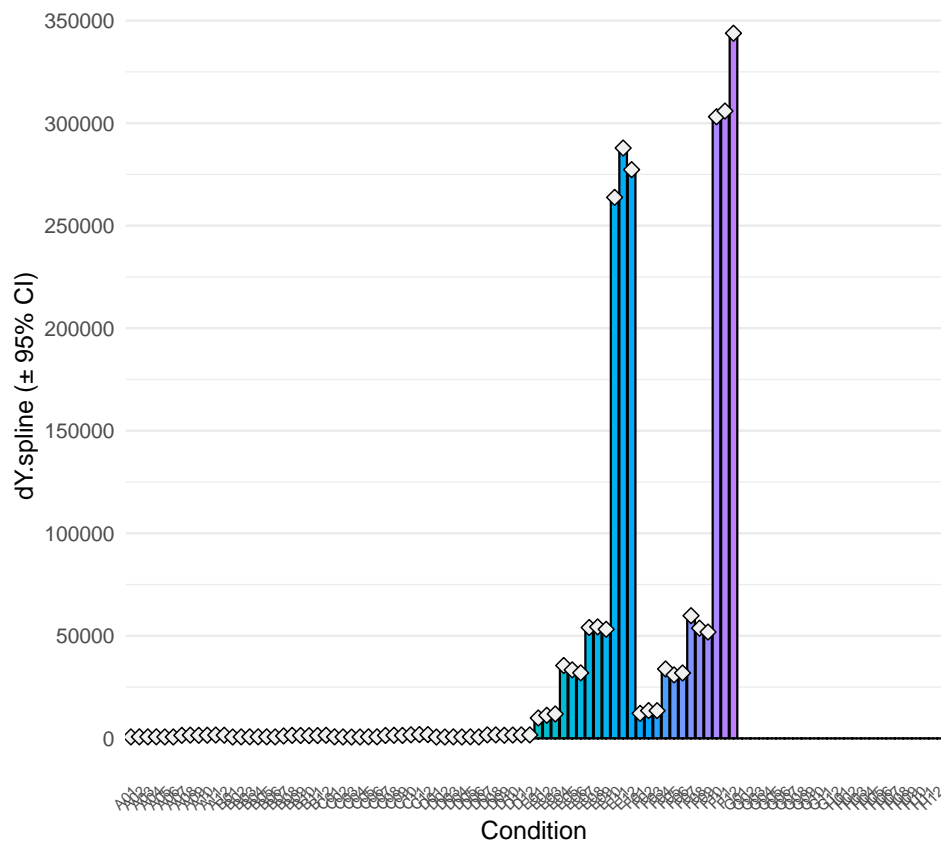
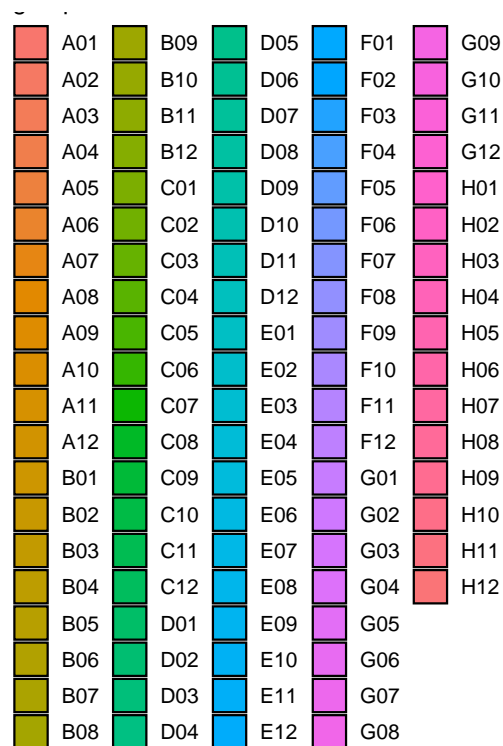
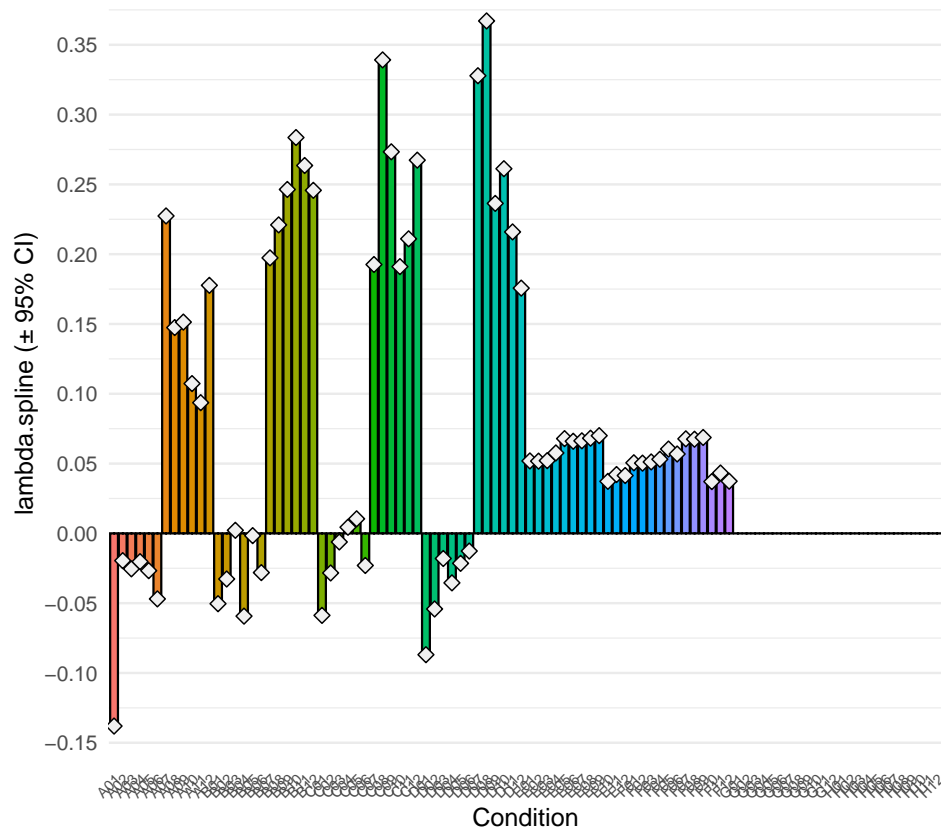
Table 1: Smooth Spline Fit

Sample Replicate Conc.	$slope_{max}$	$\lambda$	$y_{max}$	$\Delta y$	$x_{max}$	smooth. fac
A01 NA NA	3919.374	-0.14	1564.872	703.950	0.15	0.75
A02 NA NA	7004.02	-0.02	1621.647	745.848	0.21	0.75
A03 NA NA	6740.849	-0.03	1593.406	737.860	0.20	0.75
A04 NA NA	7323.849	-0.02	1671.741	763.255	0.21	0.75
A05 NA NA	6803.228	-0.03	1610.425	691.765	0.21	0.75
A06 NA NA	6463.934	-0.05	1599.327	682.282	0.17	0.75
A07 NA NA	7673.328	0.23	2368.138	1471.653	0.54	0.75
A08 NA NA	6276.011	0.15	2473.380	1586.176	0.49	0.75
A09 NA NA	6191.437	0.15	2406.277	1482.912	0.54	0.75
A10 NA NA	5547.652	0.11	2360.006	1538.159	0.44	0.75
A11 NA NA	5136.798	0.09	2470.663	1629.829	0.43	0.75
A12 NA NA	6405.841	0.18	2427.049	1530.836	0.47	0.75
B01 NA NA	5771.678	-0.05	1549.819	658.542	0.18	0.75
B02 NA NA	6575.135	-0.03	1602.260	723.401	0.21	0.75
B03 NA NA	8256.81	0.00	1608.564	744.502	0.20	0.75
B04 NA NA	5976.706	-0.06	1631.183	745.527	0.17	0.75
B05 NA NA	7869.752	0.00	1649.597	750.745	0.21	0.75
B06 NA NA	7191.475	-0.03	1625.431	711.014	0.18	0.75
B07 NA NA	5490.842	0.20	2029.694	1167.397	0.57	0.75
B08 NA NA	6440.418	0.22	2318.707	1461.400	0.58	0.75
B09 NA NA	6990.107	0.25	2269.309	1397.233	0.57	0.75
B10 NA NA	8166.223	0.28	2184.003	1336.904	0.55	0.75
B11 NA NA	7589.073	0.26	2212.041	1367.962	0.56	0.75
B12 NA NA	7561.813	0.25	2383.988	1510.430	0.56	0.75
C01 NA NA	4974.506	-0.06	1497.490	736.536	0.16	0.75
C02 NA NA	6777.675	-0.03	1581.608	694.016	0.20	0.75
C03 NA NA	7249.559	-0.01	1538.018	638.825	0.21	0.75
C04 NA NA	7379.044	0.00	1509.798	655.563	0.21	0.75
C05 NA NA	8400.316	0.01	1617.673	750.303	0.20	0.75
C06 NA NA	7201.341	-0.02	1584.314	750.466	0.20	0.75
C07 NA NA	5676.287	0.19	2251.253	1411.551	0.51	0.75
C08 NA NA	8896.298	0.34	2338.173	1494.174	0.60	0.75
C09 NA NA	7081.487	0.27	2299.146	1436.375	0.60	0.75
C10 NA NA	6296.967	0.19	2530.649	1732.688	0.55	0.75
C11 NA NA	6634.631	0.21	2691.306	1846.309	0.58	0.75
C12 NA NA	8345.473	0.27	2709.365	1846.155	0.59	0.75
D01 NA NA	5031.792	-0.09	1560.394	654.568	0.16	0.75
D02 NA NA	6118.707	-0.05	1591.862	656.942	0.21	0.75
D03 NA NA	7185.614	-0.02	1631.204	732.239	0.21	0.75
D04 NA NA	6262.609	-0.04	1562.190	672.166	0.21	0.75
D05 NA NA	7238.562	-0.02	1638.914	741.243	0.19	0.75
D06 NA NA	7838.416	-0.01	1611.993	692.444	0.19	0.75
D07 NA NA	8873.55	0.33	2539.344	1705.108	0.61	0.75
D08 NA NA	10400.545	0.37	2557.661	1700.773	0.61	0.75
D09 NA NA	6164.503	0.24	2389.565	1507.968	0.62	0.75
D10 NA NA	7678.29	0.26	2455.367	1620.159	0.58	0.75
D11 NA NA	6679.748	0.22	2531.982	1700.047	0.60	0.75
D12 NA NA	6356.477	0.18	2563.691	1693.607	0.58	0.75
E01 NA NA	140352.111	0.05	10655.181	9937.203	0.07	0.75
E02 NA NA	153916.1	0.05	11903.380	11246.268	0.07	0.75
E03 NA NA	150053.212	0.05	12478.469	11890.921	0.07	0.75
E04 NA NA	232947.86	0.06	36662.783	35524.073	0.22	0.75
E05 NA NA	261070.882	0.07	34495.105	33402.388	0.20	0.75
E06 NA NA	266883.415	0.07	33100.825	31943.464	0.19	0.75
E07 NA NA	655376.499	0.07	58997.340	54037.461	0.13	0.75
E08 NA NA	641628.671	0.07	58886.475	54347.079	0.14	0.75
E09 NA NA	654509.93	0.07	57600.216	53190.896	0.16	0.75
E10 NA NA	1606268.764	0.04	275335.709	263804.330	0.07	0.75
E11 NA NA	1845565.494	0.04	303239.988	287858.538	0.07	0.75
E12 NA NA	1669812.295	0.04	288109.931	277310.746	0.07	0.75
F01 NA NA	166480.392	0.05	13264.670	12193.478	0.06	0.75
F02 NA NA	175607.514	0.05	14354.904	13531.212	0.06	0.75
F03 NA NA	174603.763	0.05	14341.052	13498.224	0.06	0.75
F04 NA NA	218240.729	0.05	34895.250	33843.498	0.19	0.75
F05 NA NA	233655.341	0.06	31912.429	30936.349	0.20	0.75
F06 NA NA	231889.893	0.06	32962.516	31894.378	0.20	0.75
F07 NA NA	666682.023	0.07	64854.978	59810.628	0.16	0.75

Table 1: Smooth Spline Fit (continued)

Sample Replicate Conc.	$slope_{max}$	$\lambda$	$y_{max}$	$\Delta y$	$x_{max}$	smooth. fac
F08 NA NA	640795.699	0.07	58743.174	53735.033	0.13	0.75
F09 NA NA	634860.458	0.07	56067.483	51858.084	0.16	0.75
F10 NA NA	1544875.552	0.04	315679.125	303103.464	0.07	0.75
F11 NA NA	1835331.722	0.04	318827.972	305900.355	0.07	0.75
F12 NA NA	1539818.798	0.04	357165.689	343830.709	0.07	0.75
G01 NA NA						NULL
G02 NA NA						NULL
G03 NA NA						NULL
G04 NA NA						NULL
G05 NA NA						NULL
G06 NA NA						NULL
G07 NA NA						NULL
G08 NA NA						NULL
G09 NA NA						NULL
G10 NA NA						NULL
G11 NA NA						NULL
G12 NA NA						NULL
H01 NA NA						NULL
H02 NA NA						NULL
H03 NA NA						NULL
H04 NA NA						NULL
H05 NA NA						NULL
H06 NA NA						NULL
H07 NA NA						NULL
H08 NA NA						NULL
H09 NA NA						NULL
H10 NA NA						NULL
H11 NA NA						NULL
H12 NA NA						NULL

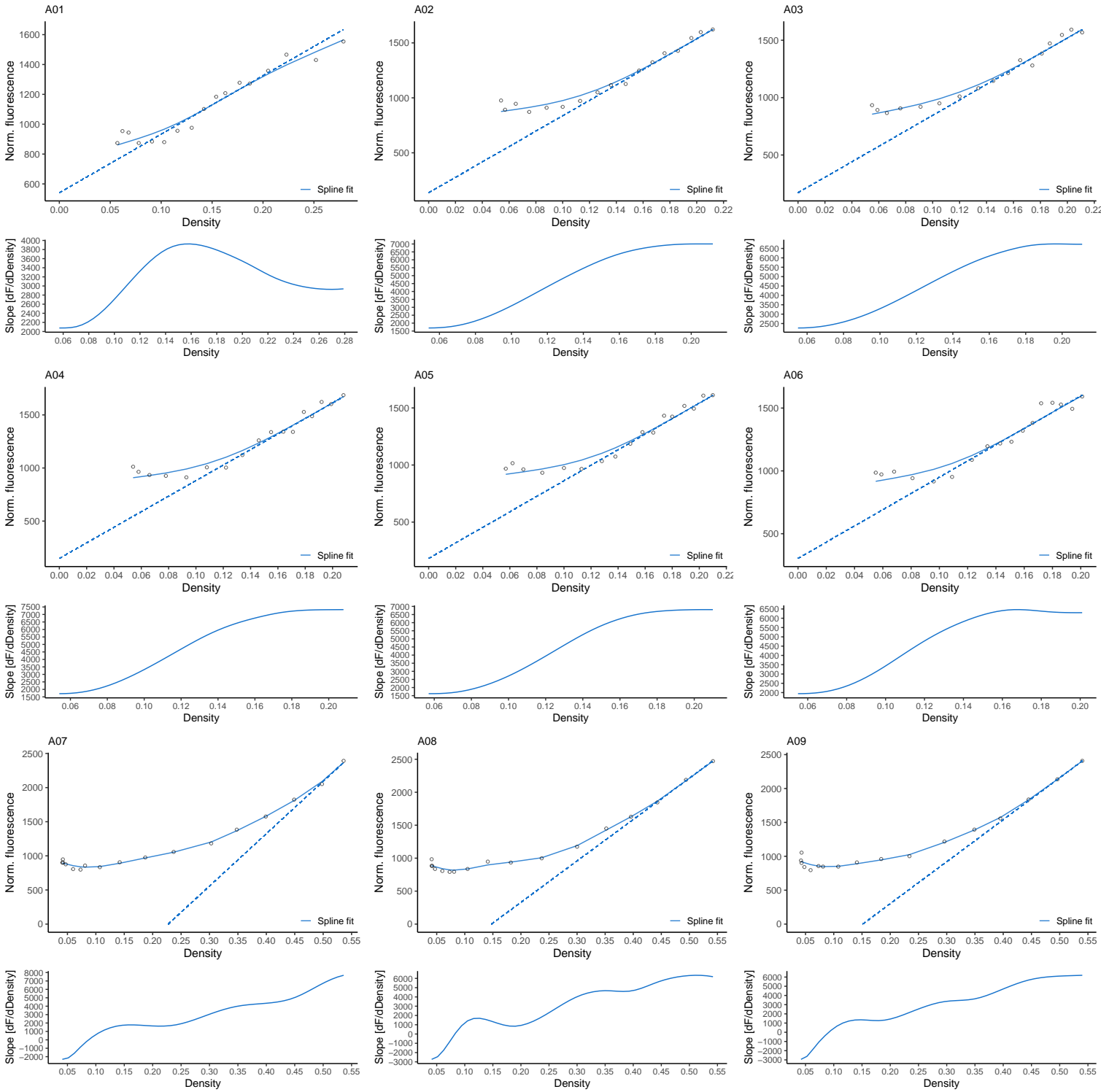


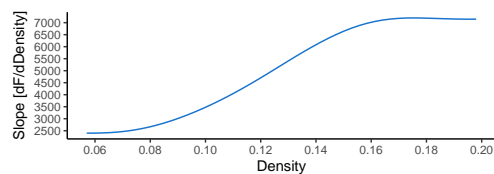
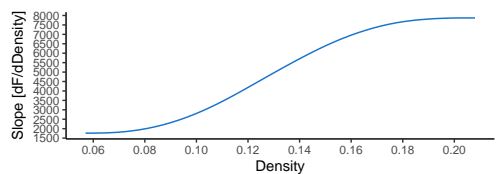
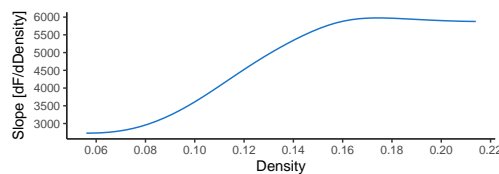
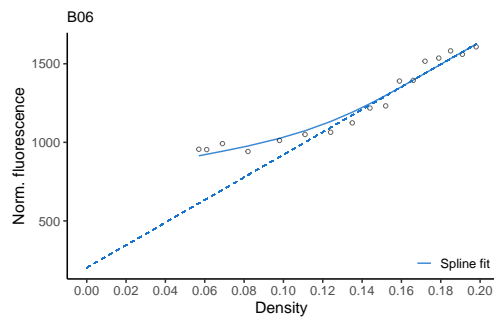
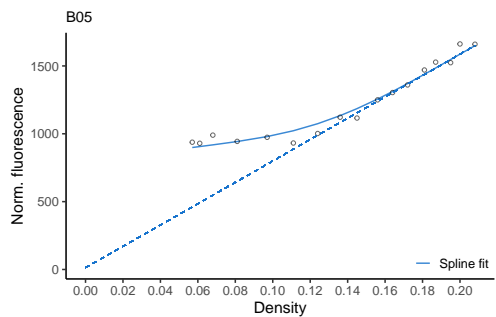
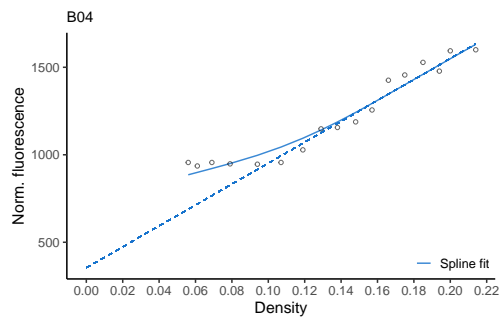
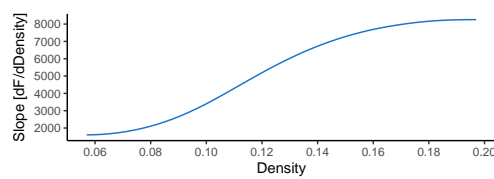
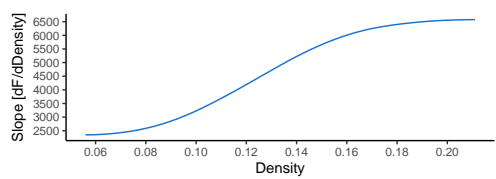
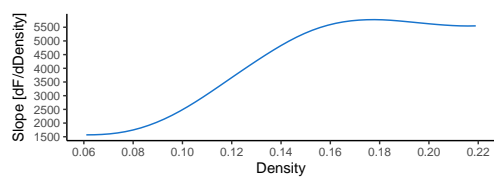
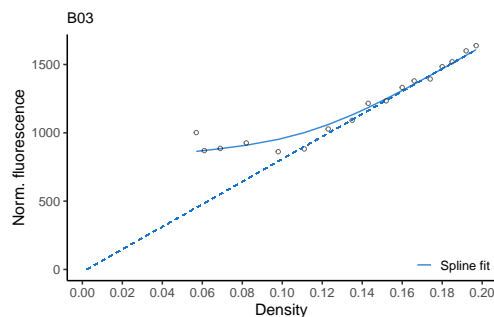
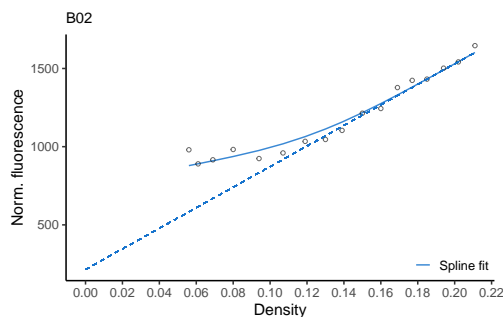
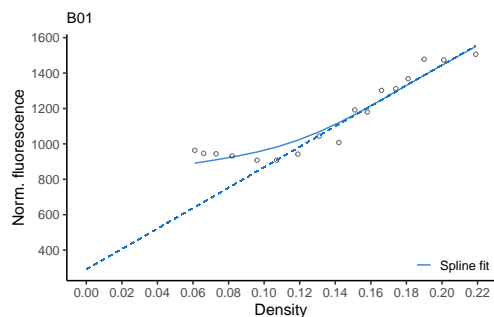
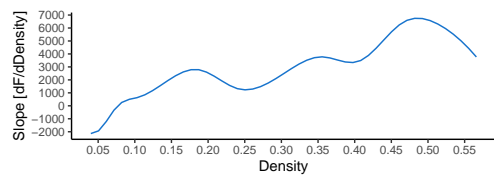
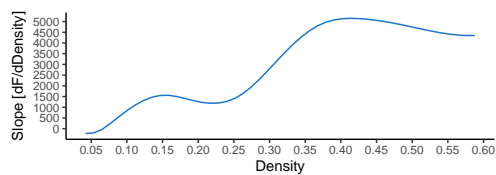
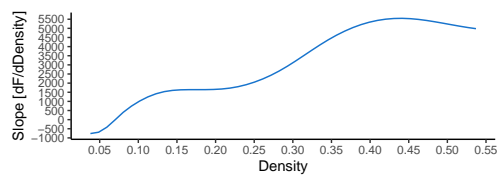
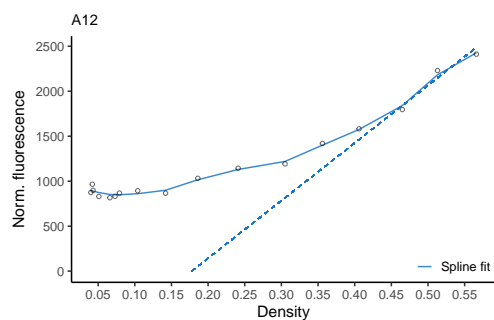
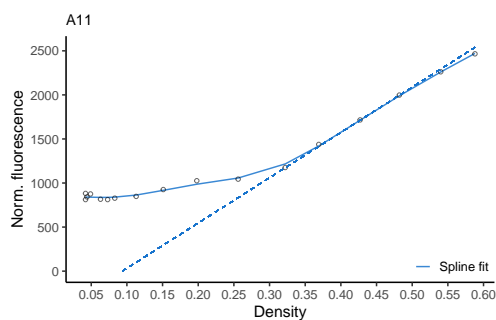
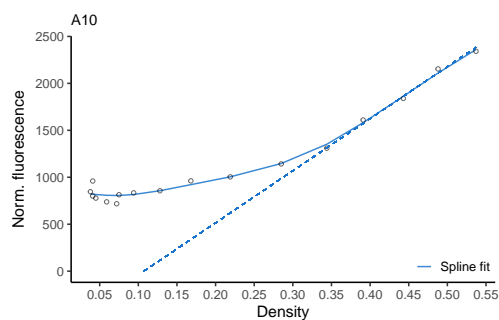


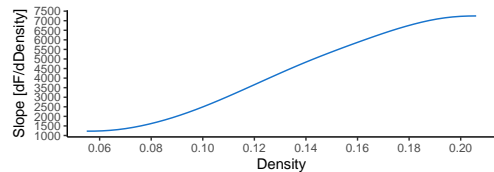
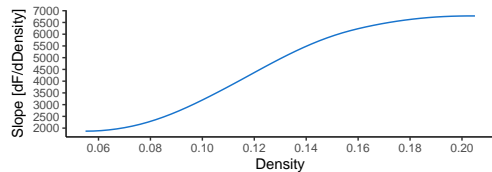
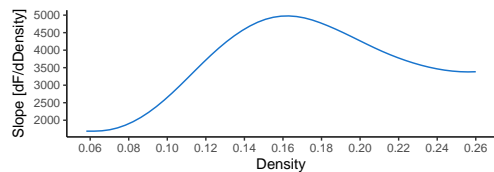
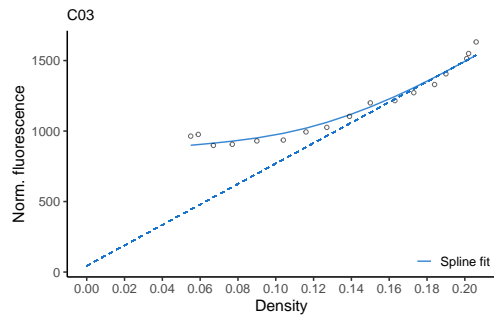
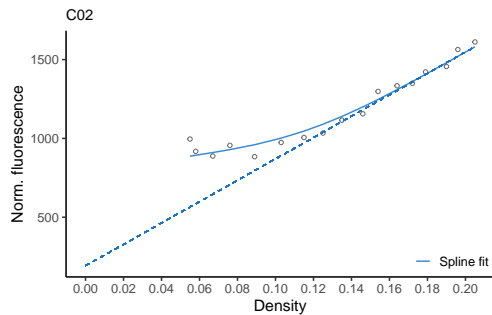
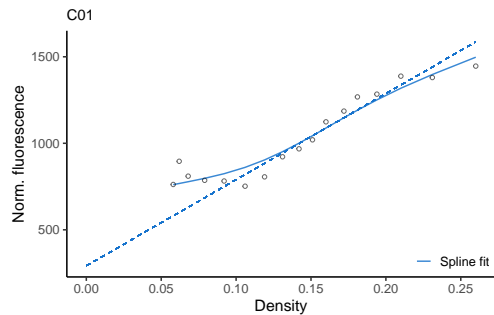
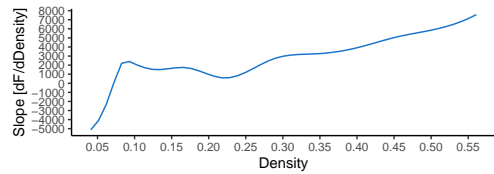
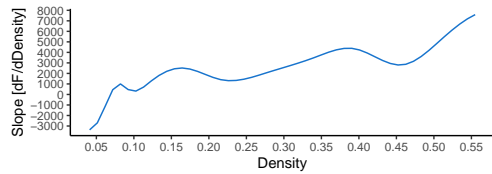
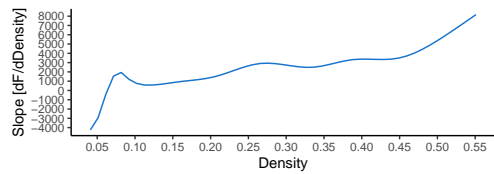
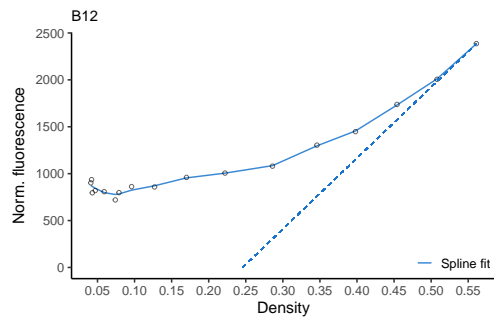
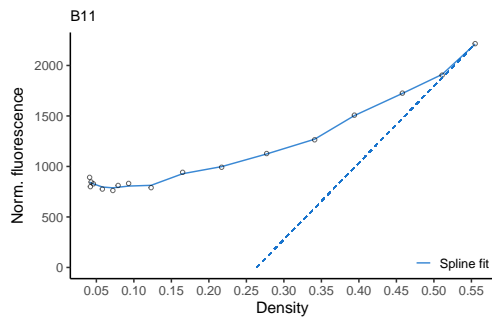
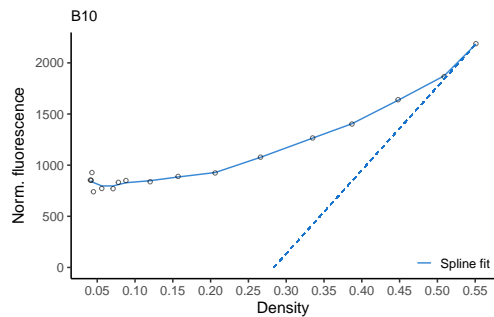
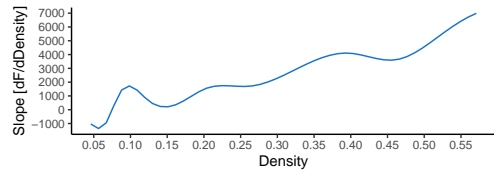
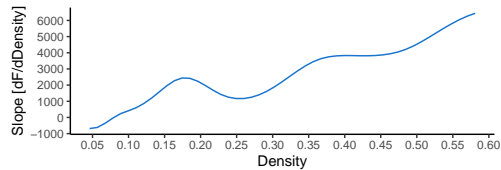
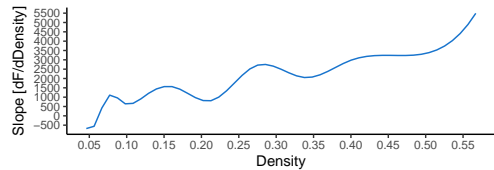
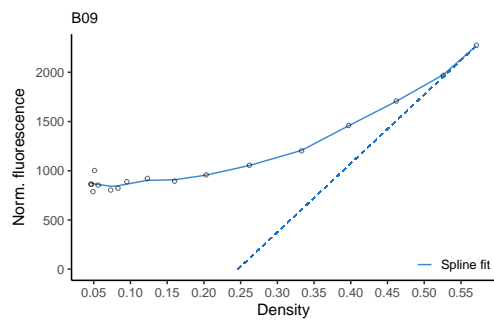
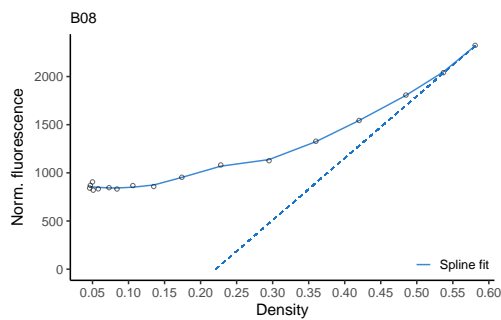
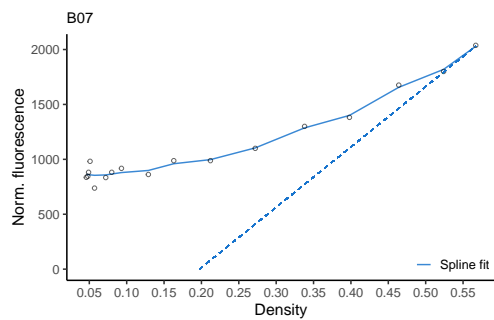
## Plots

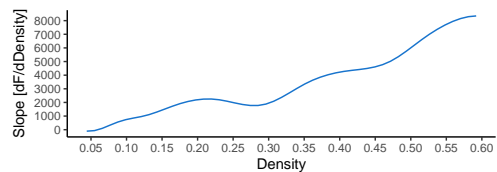
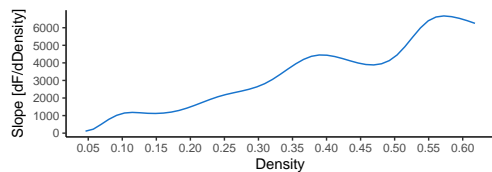
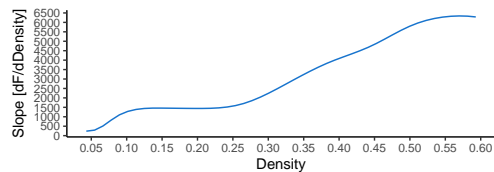
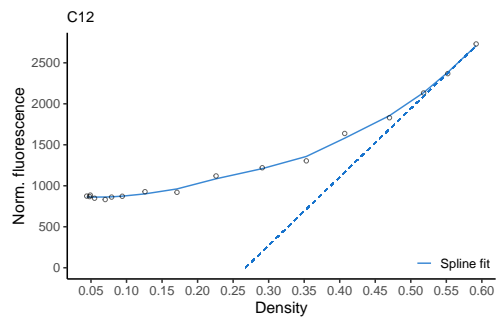
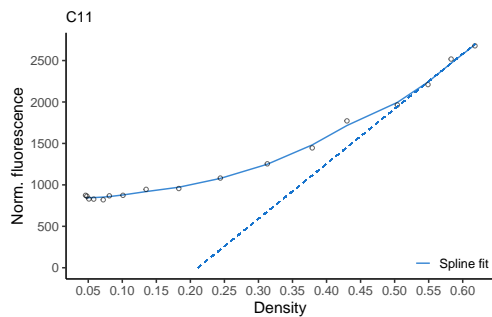
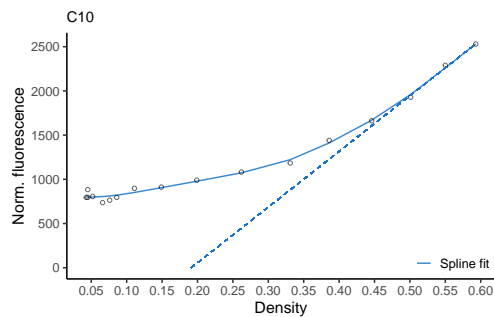
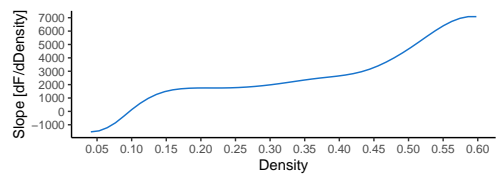
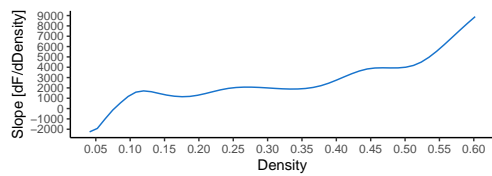
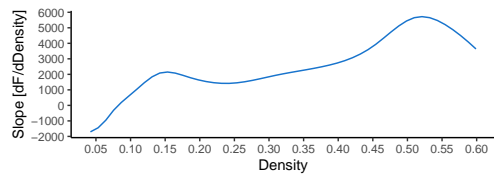
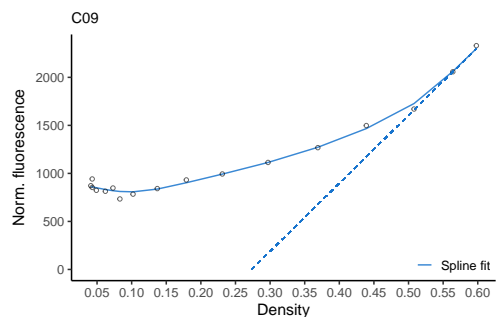
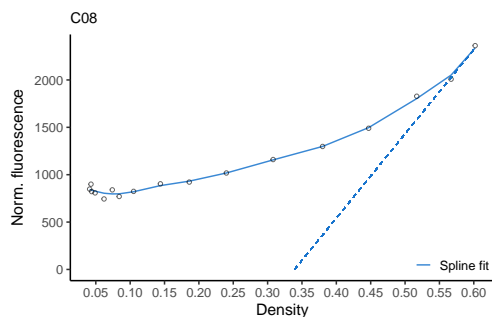
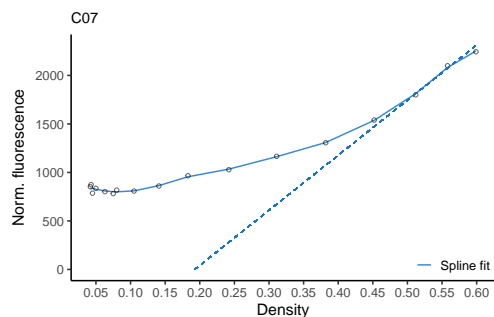
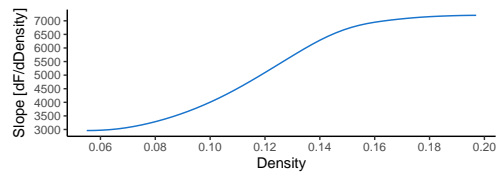
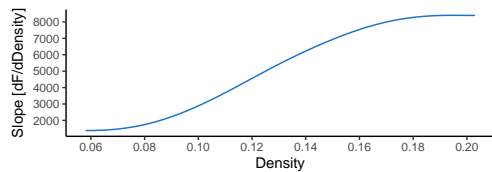
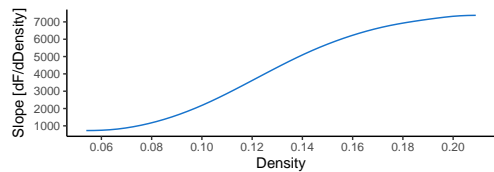
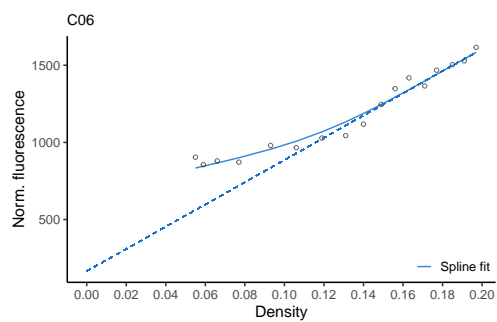
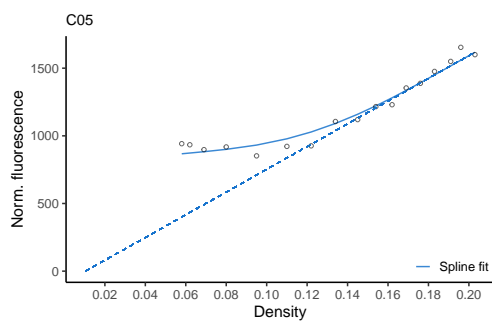
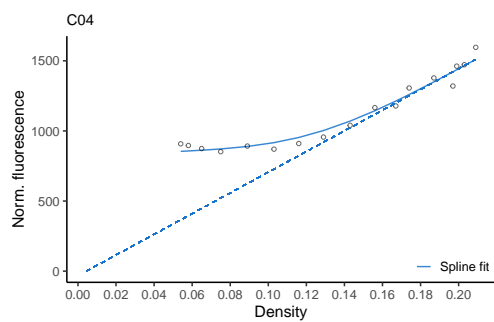


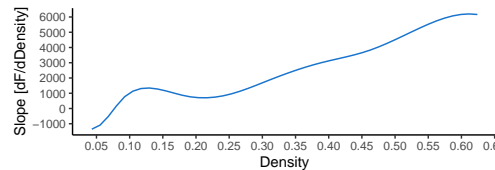
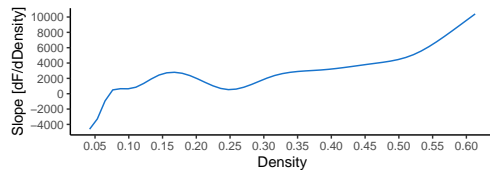
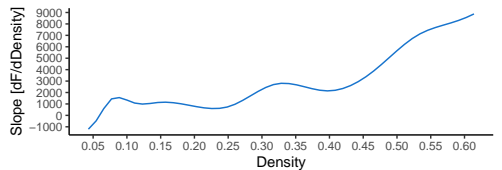
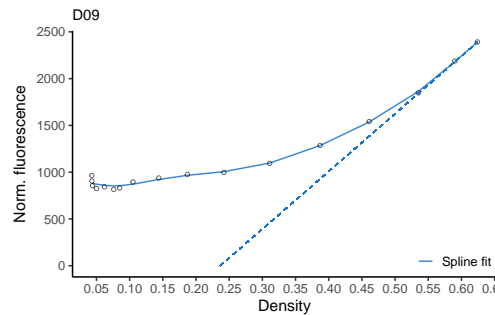
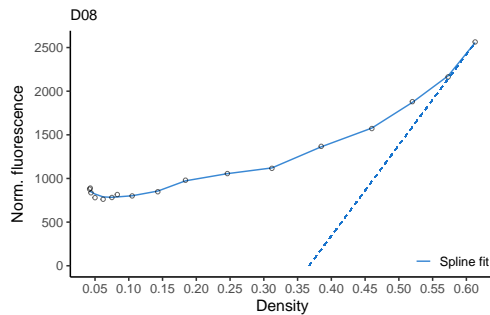
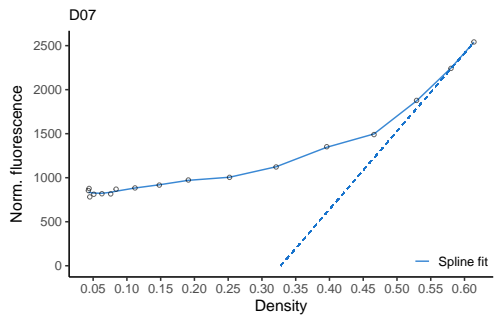
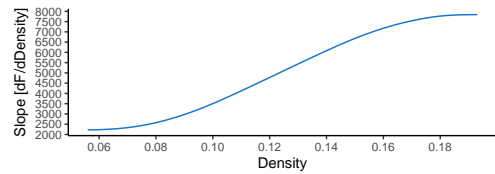
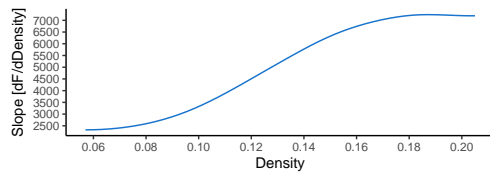
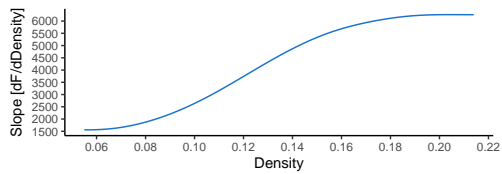
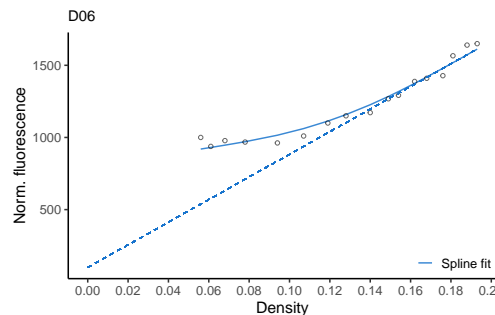
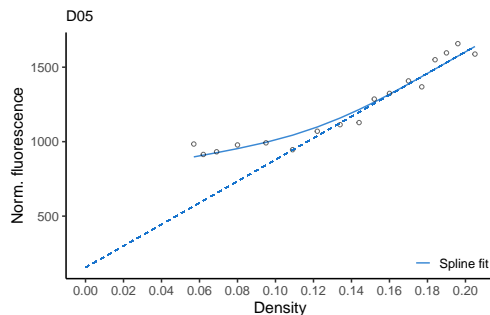
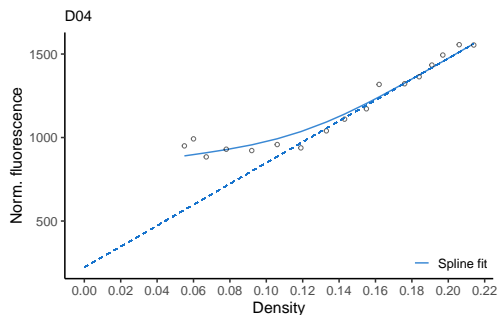
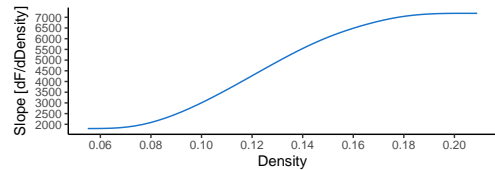
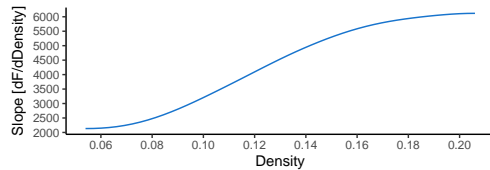
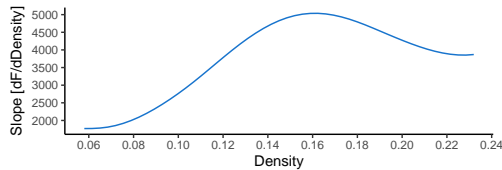
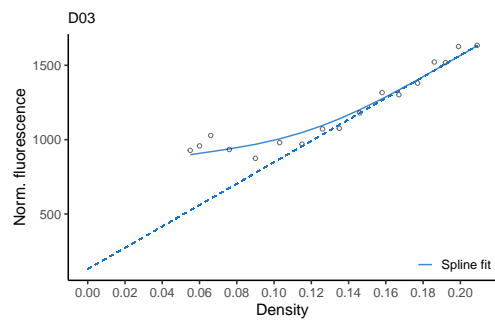
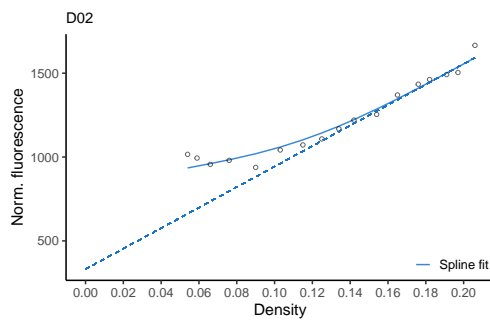
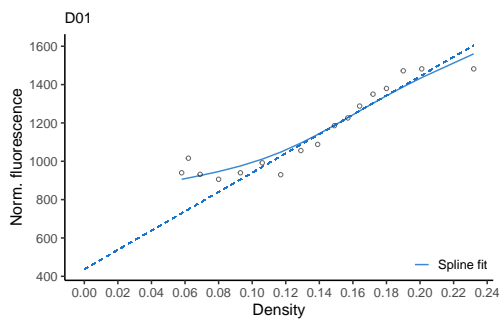
Nonparametric Fits

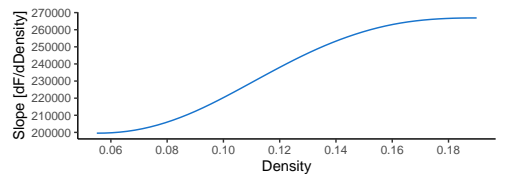
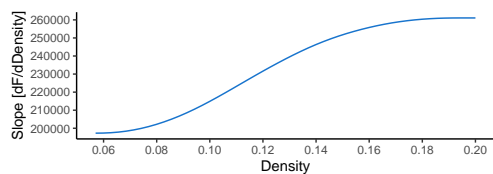
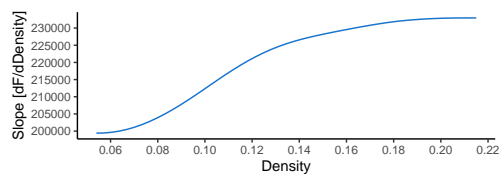
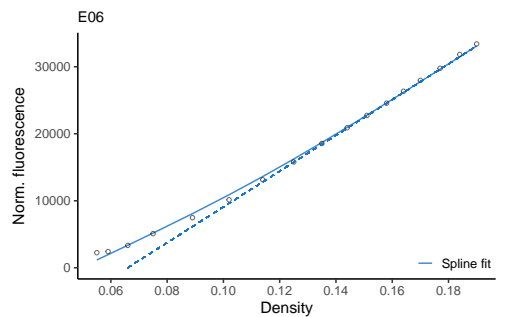
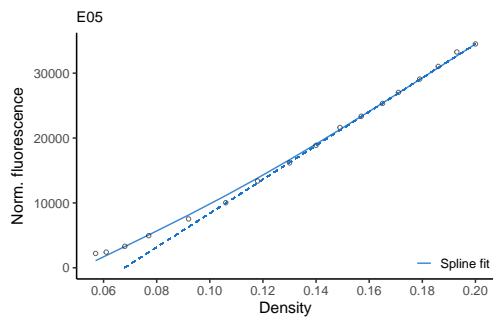
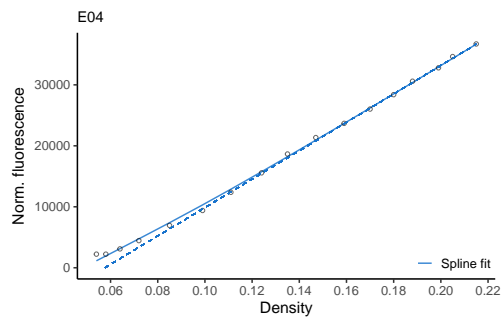
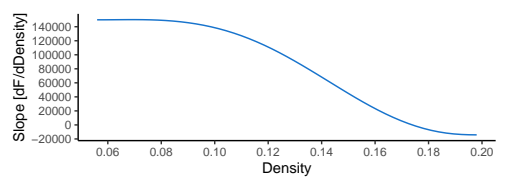
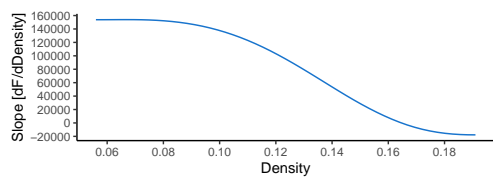
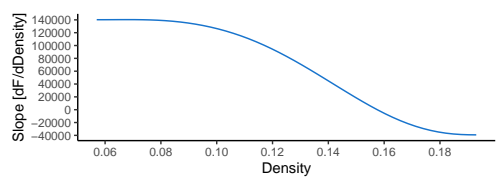
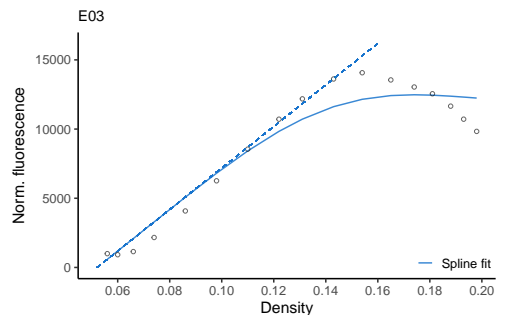
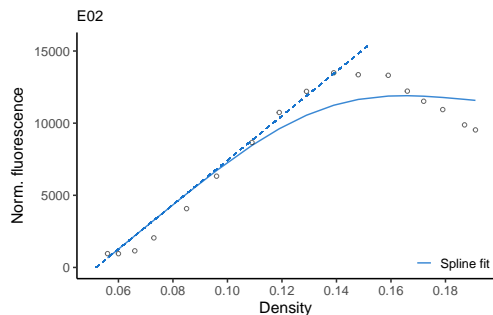
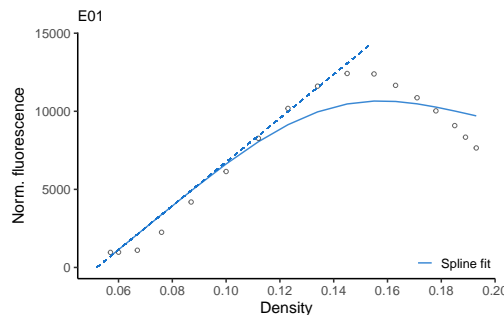
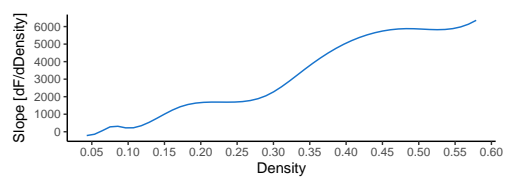
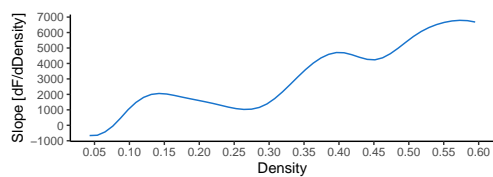
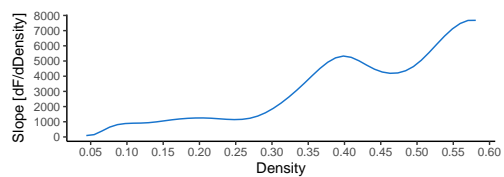
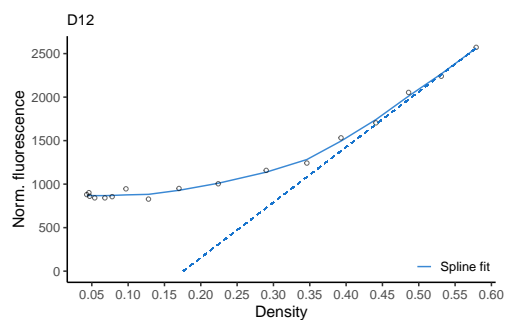
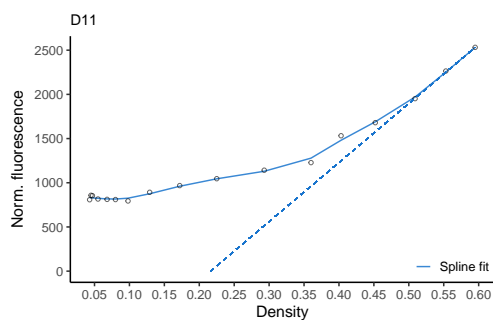
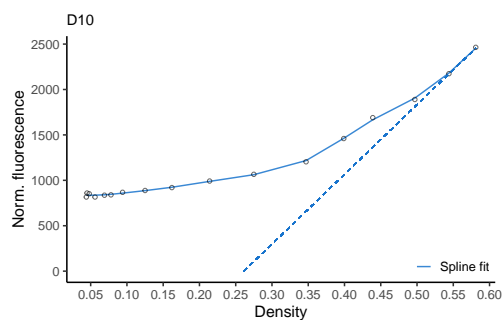


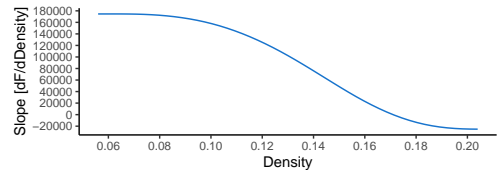
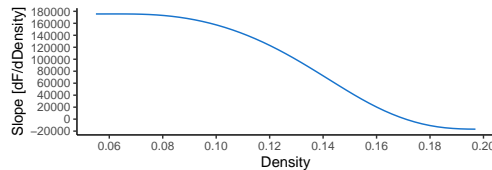
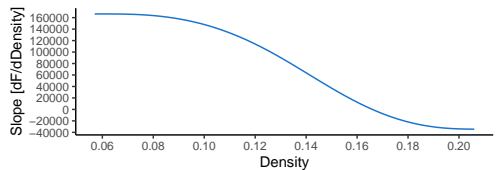
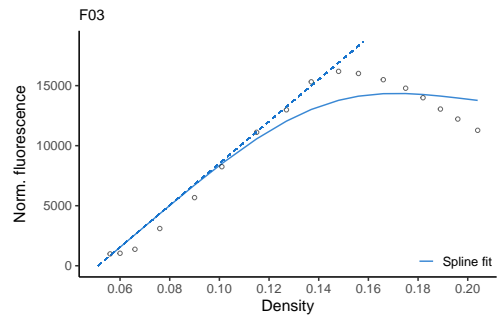
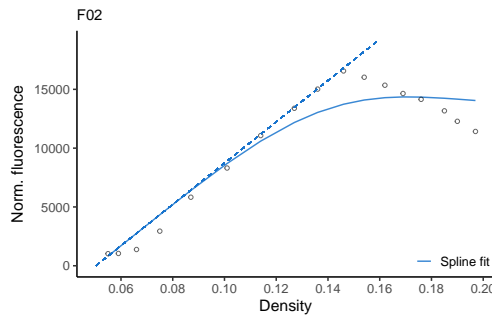
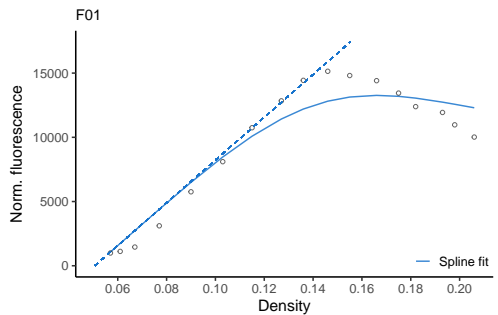
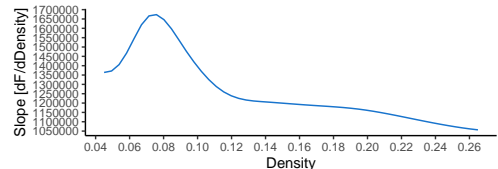
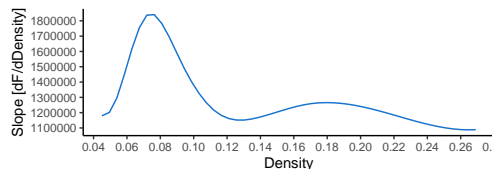
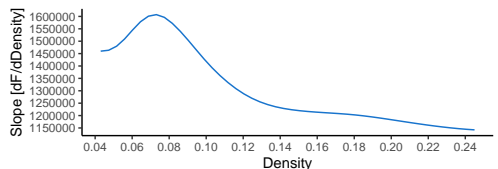
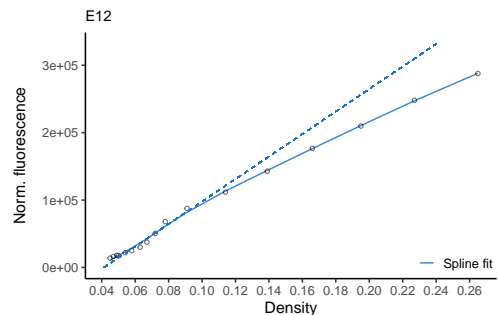
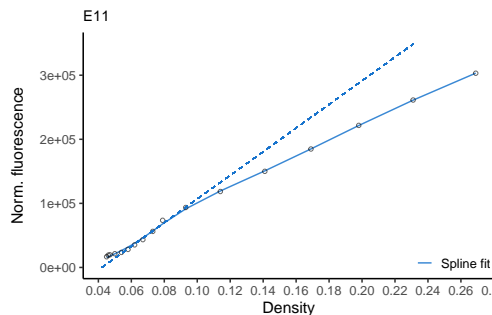
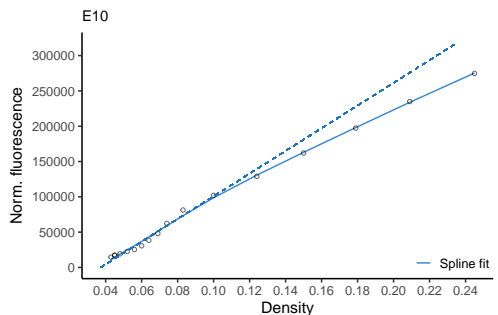
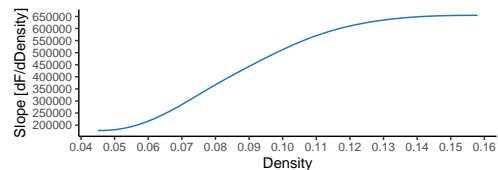
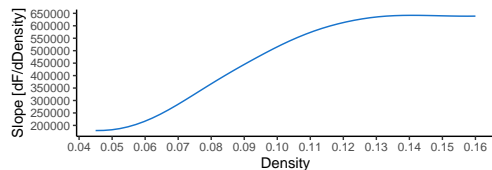
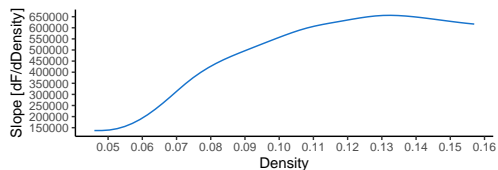
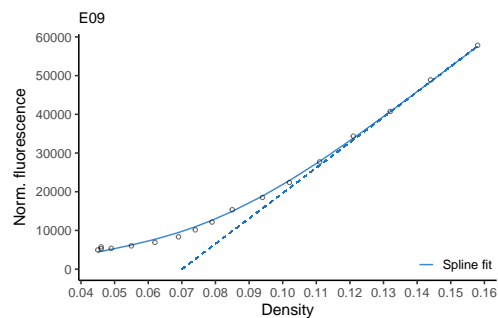
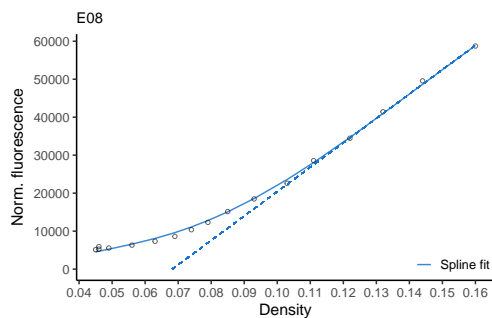
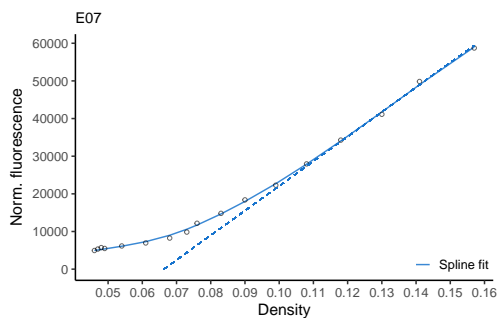


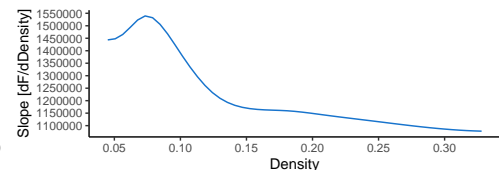
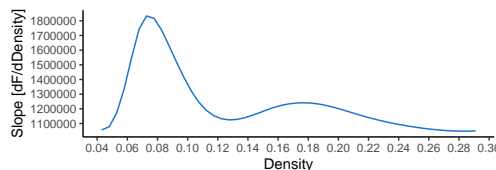
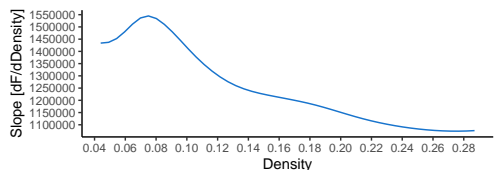
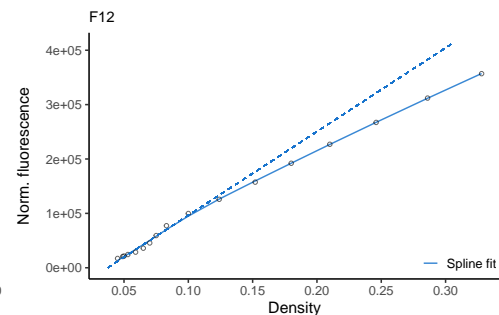
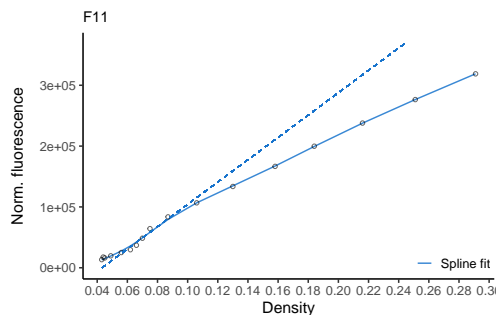
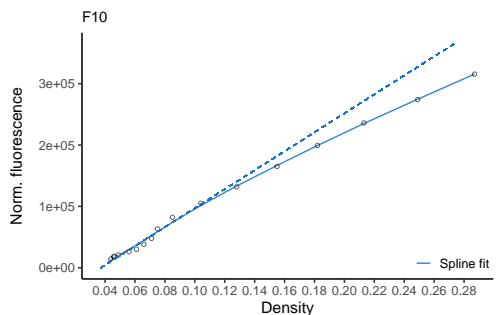
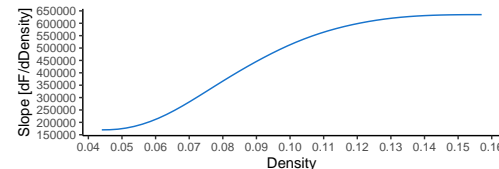
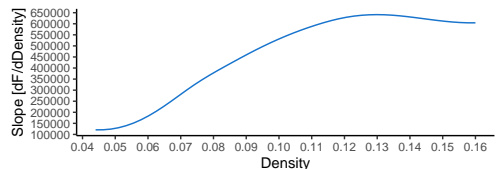
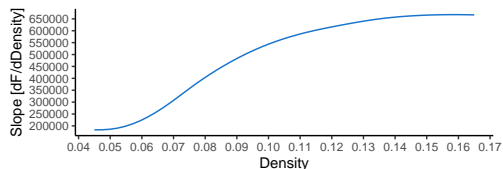
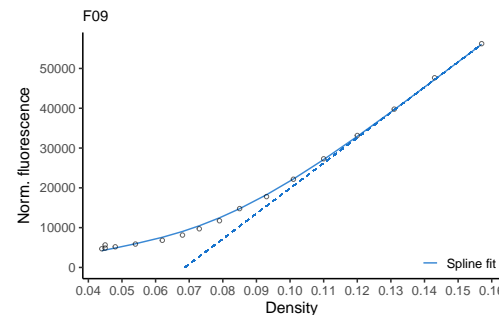
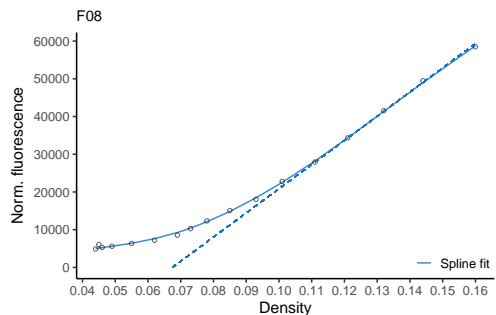
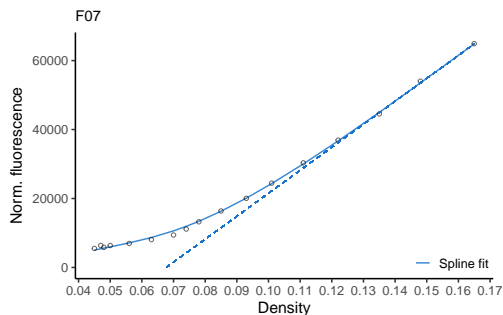
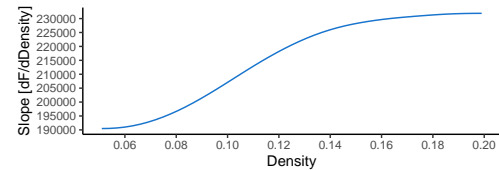
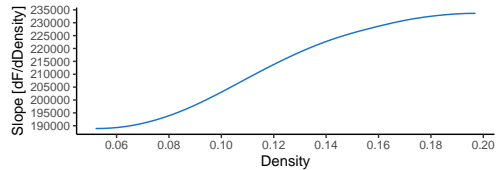
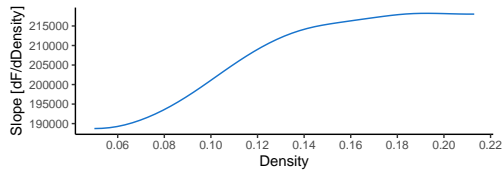
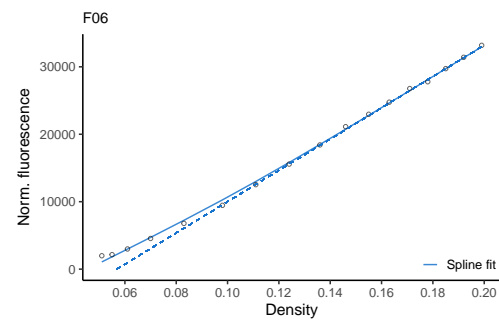
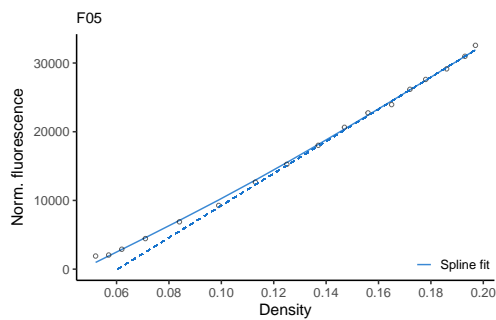
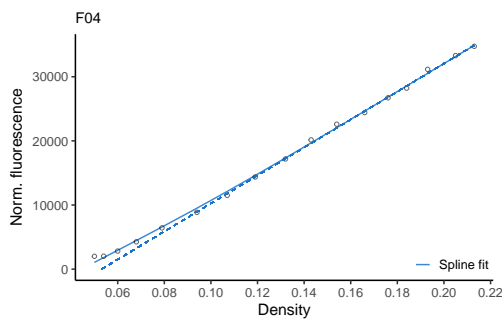














Dose-response analysis - Model fit

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