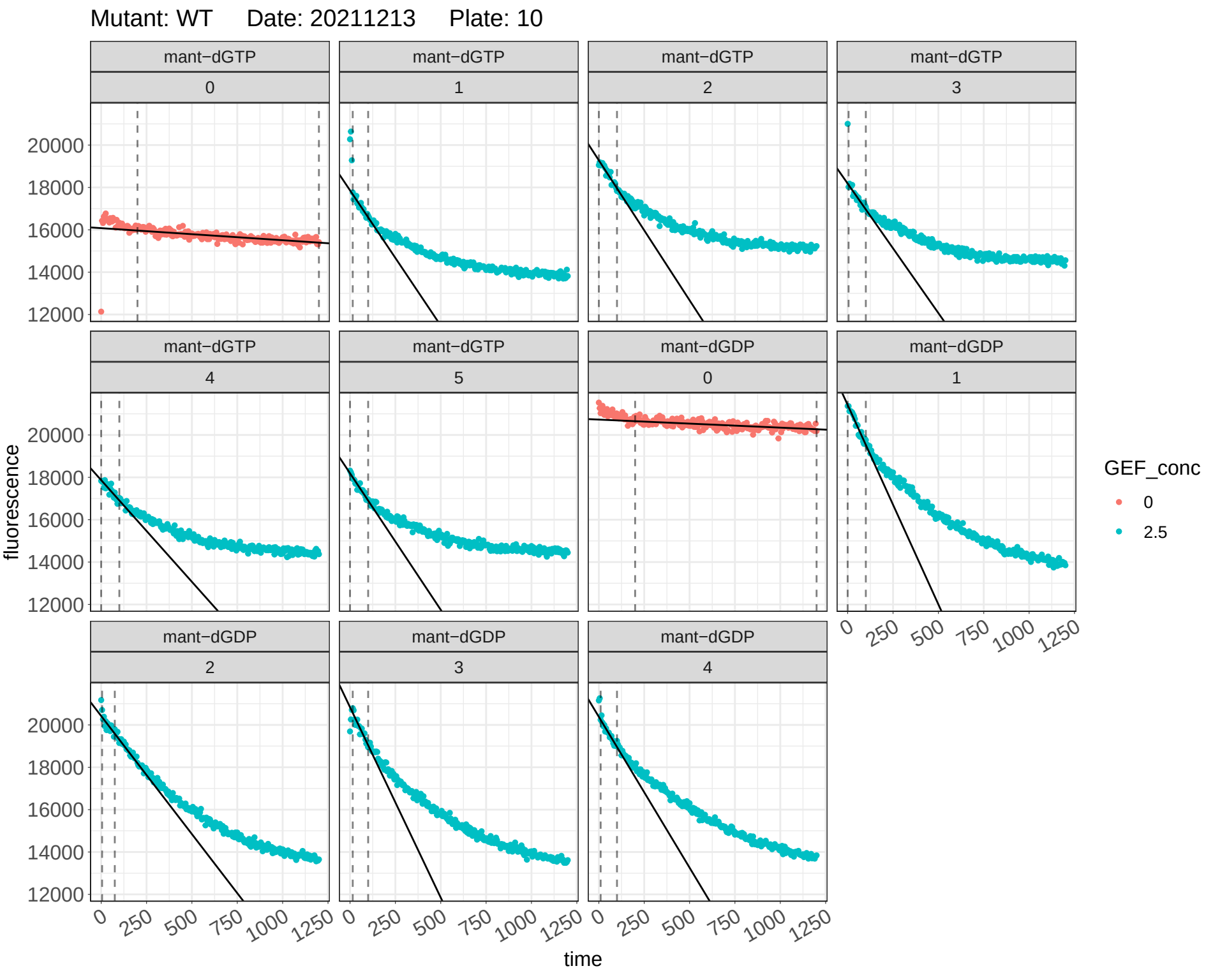
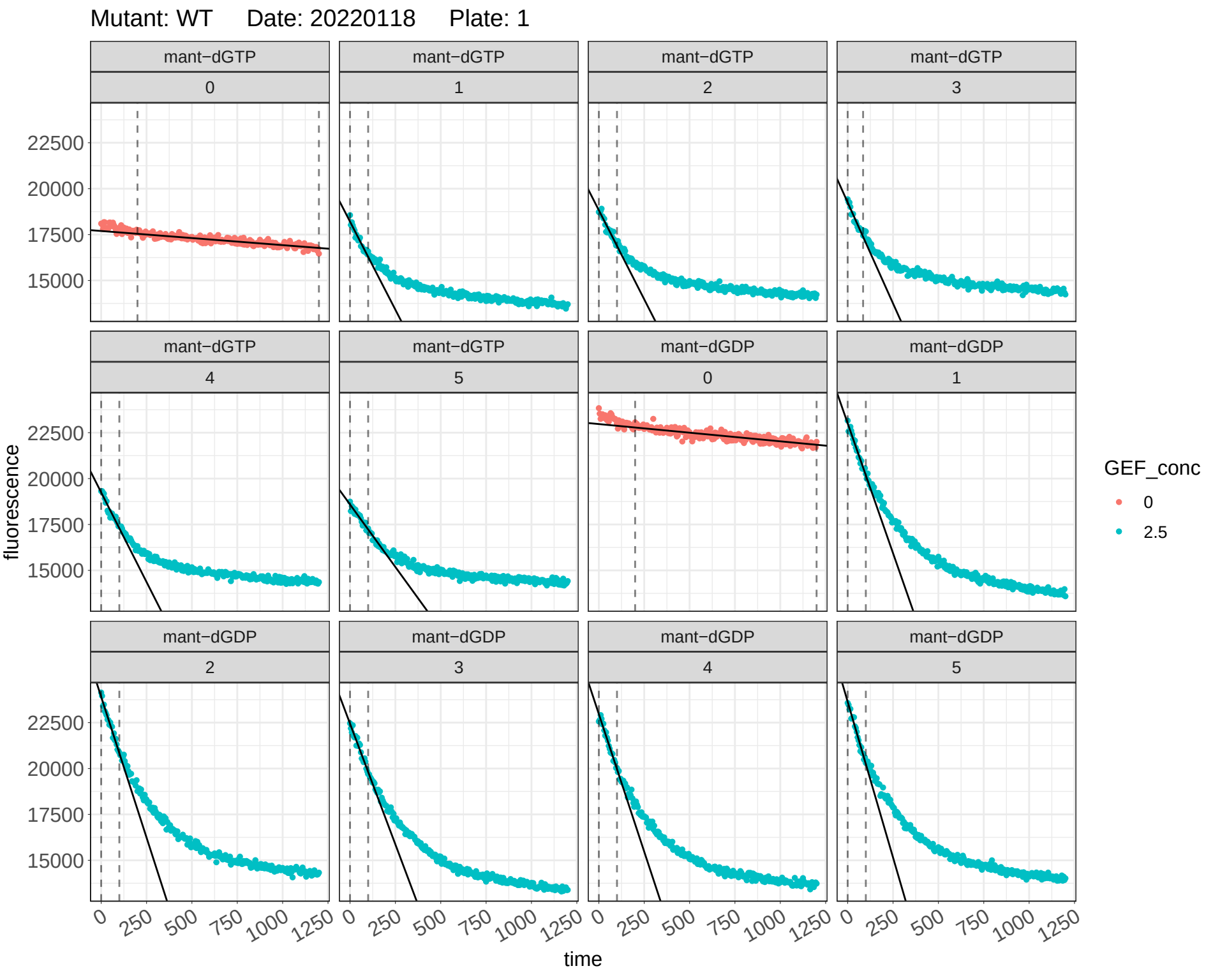
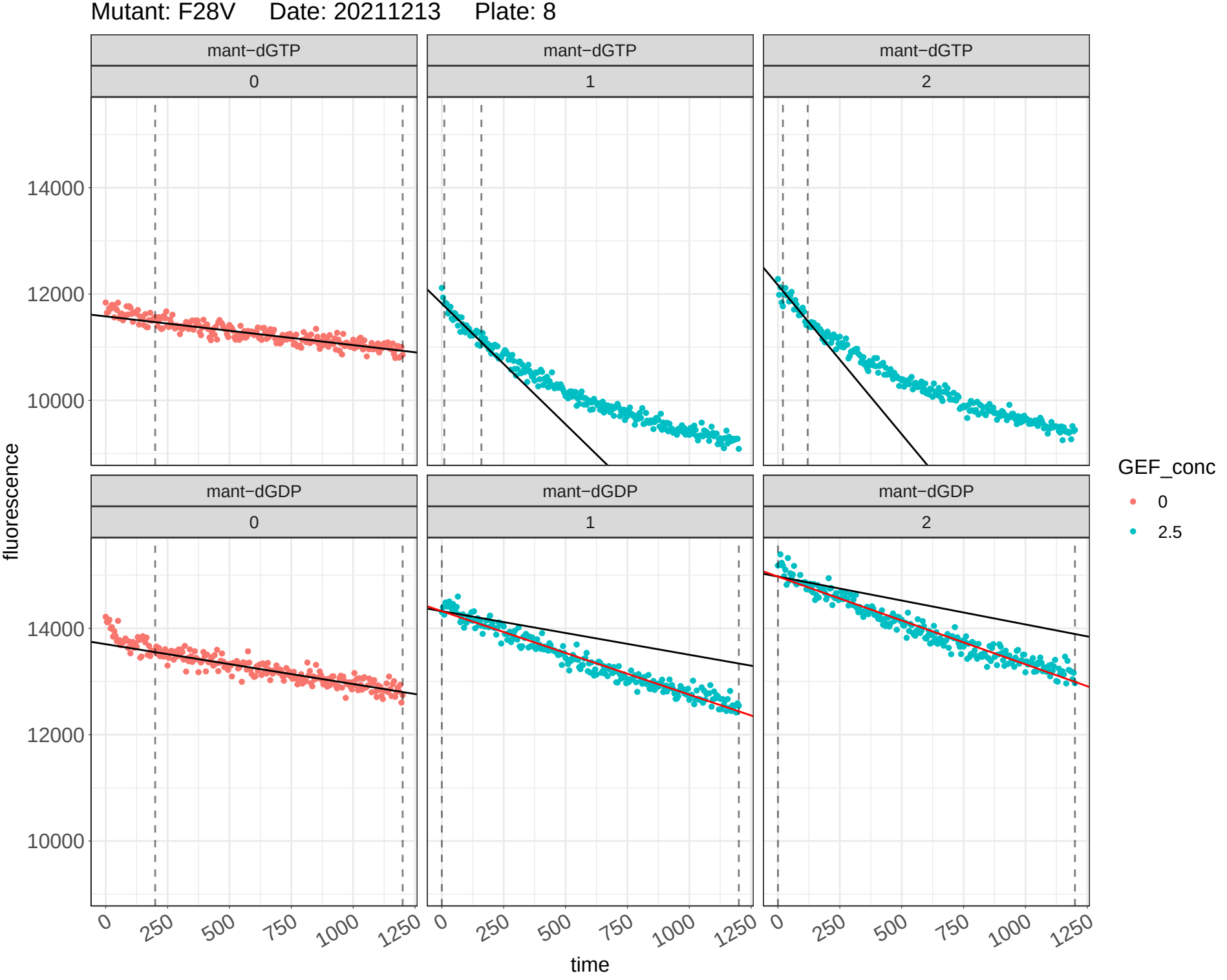
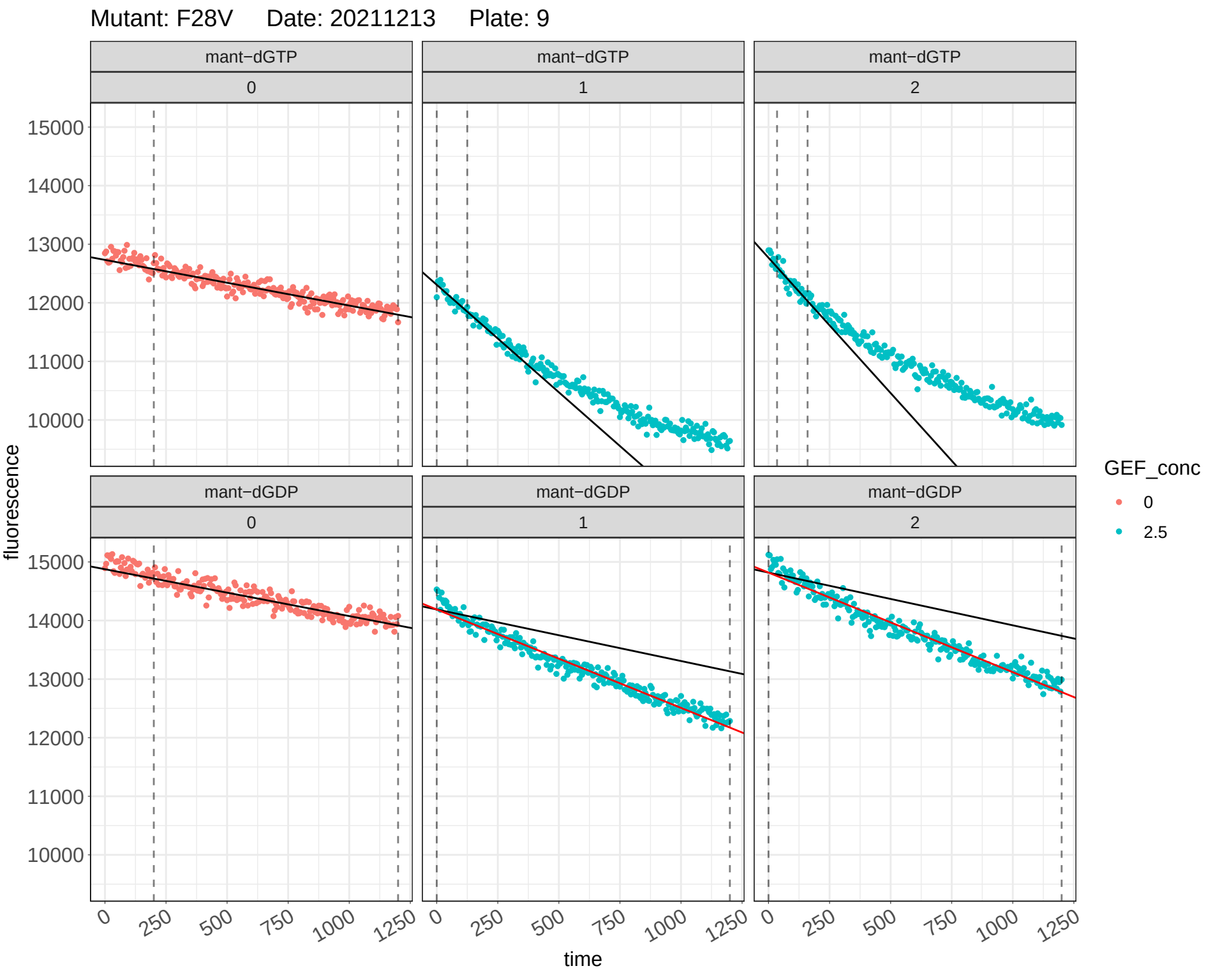
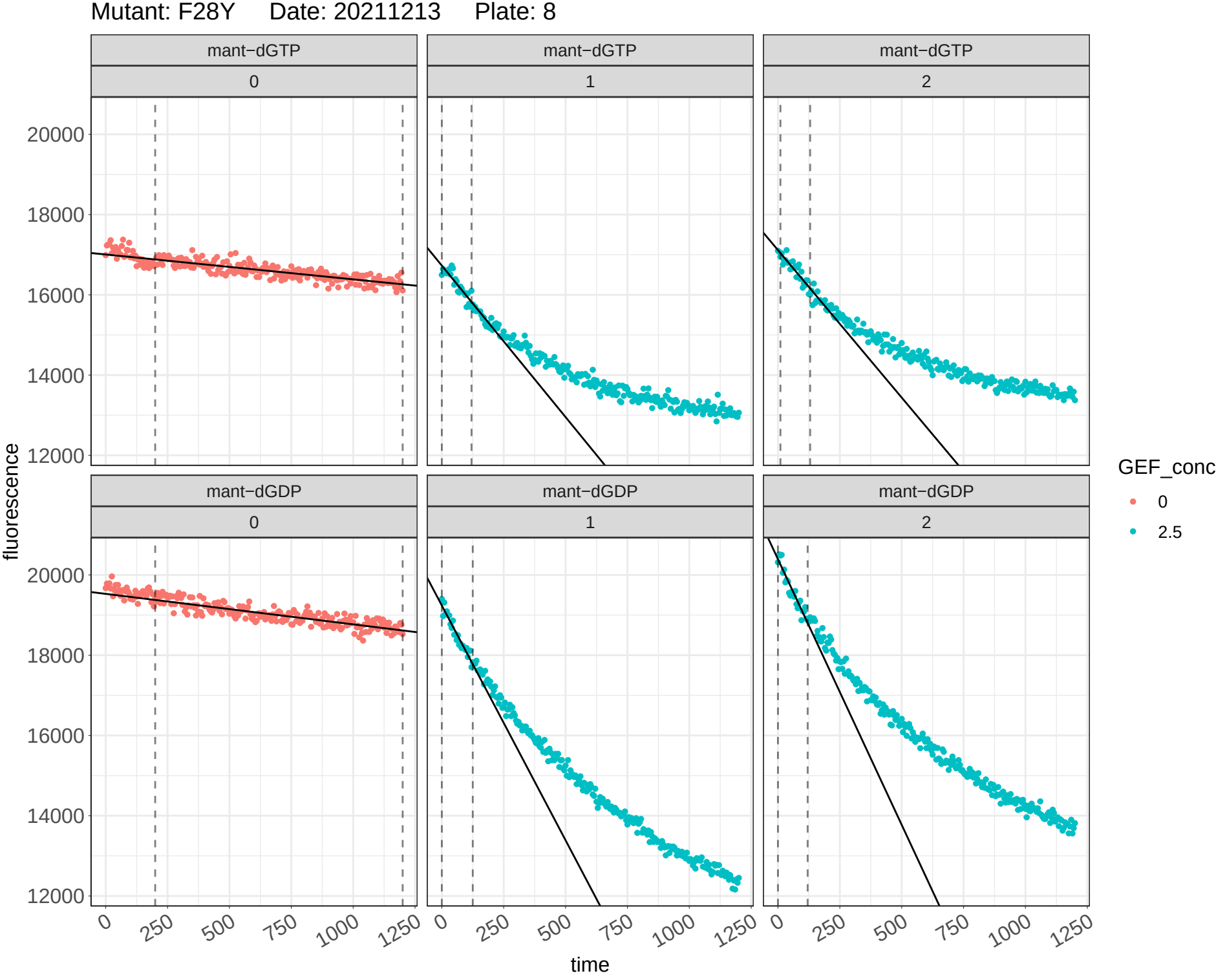
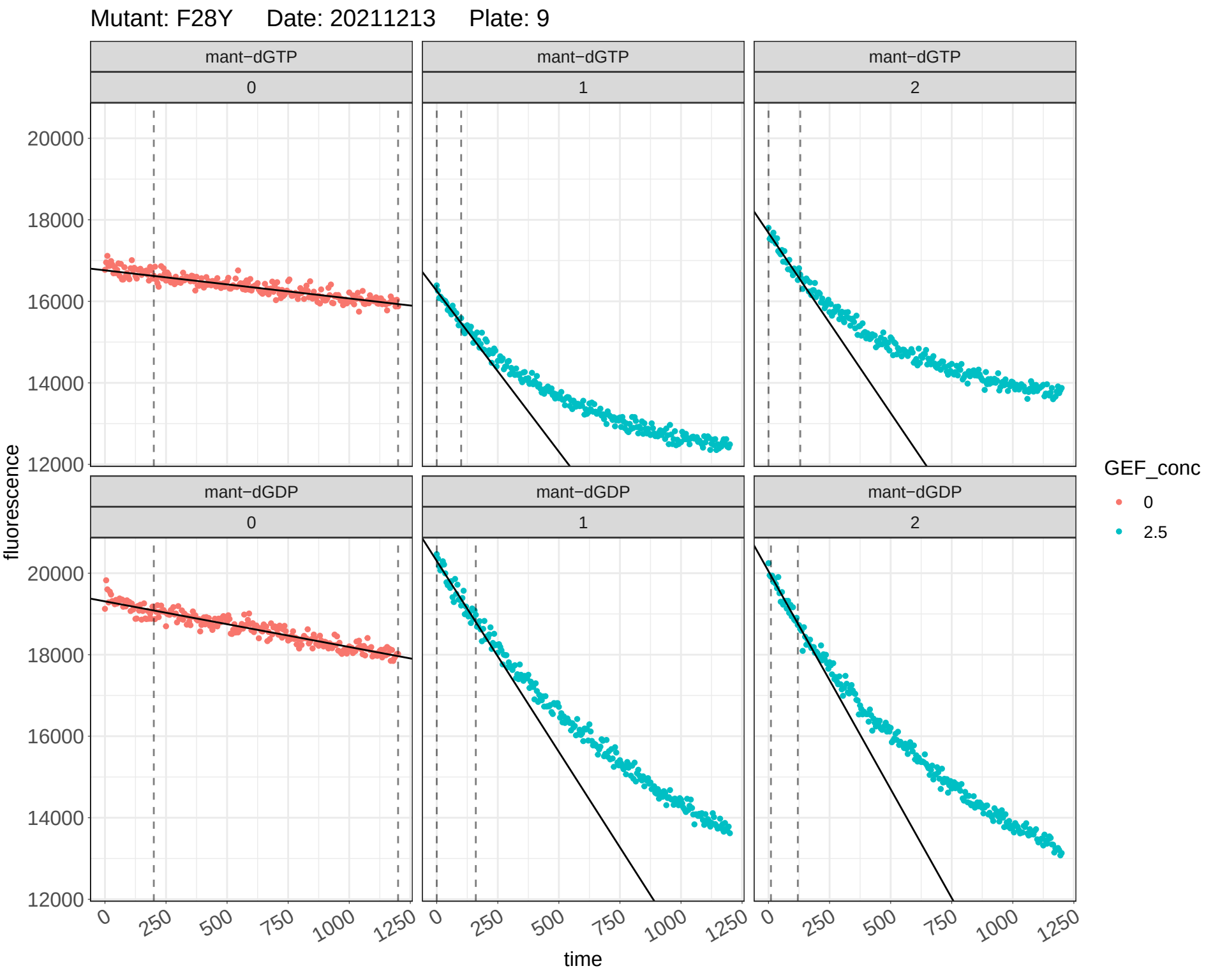

Mutant: WT Date: 20211213 Plate: 10
mant−dGTP
0
1
2
3
4
5
mant−dGDP
0
1
2
3
4
fluorescence
20000
18000
16000
14000
12000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

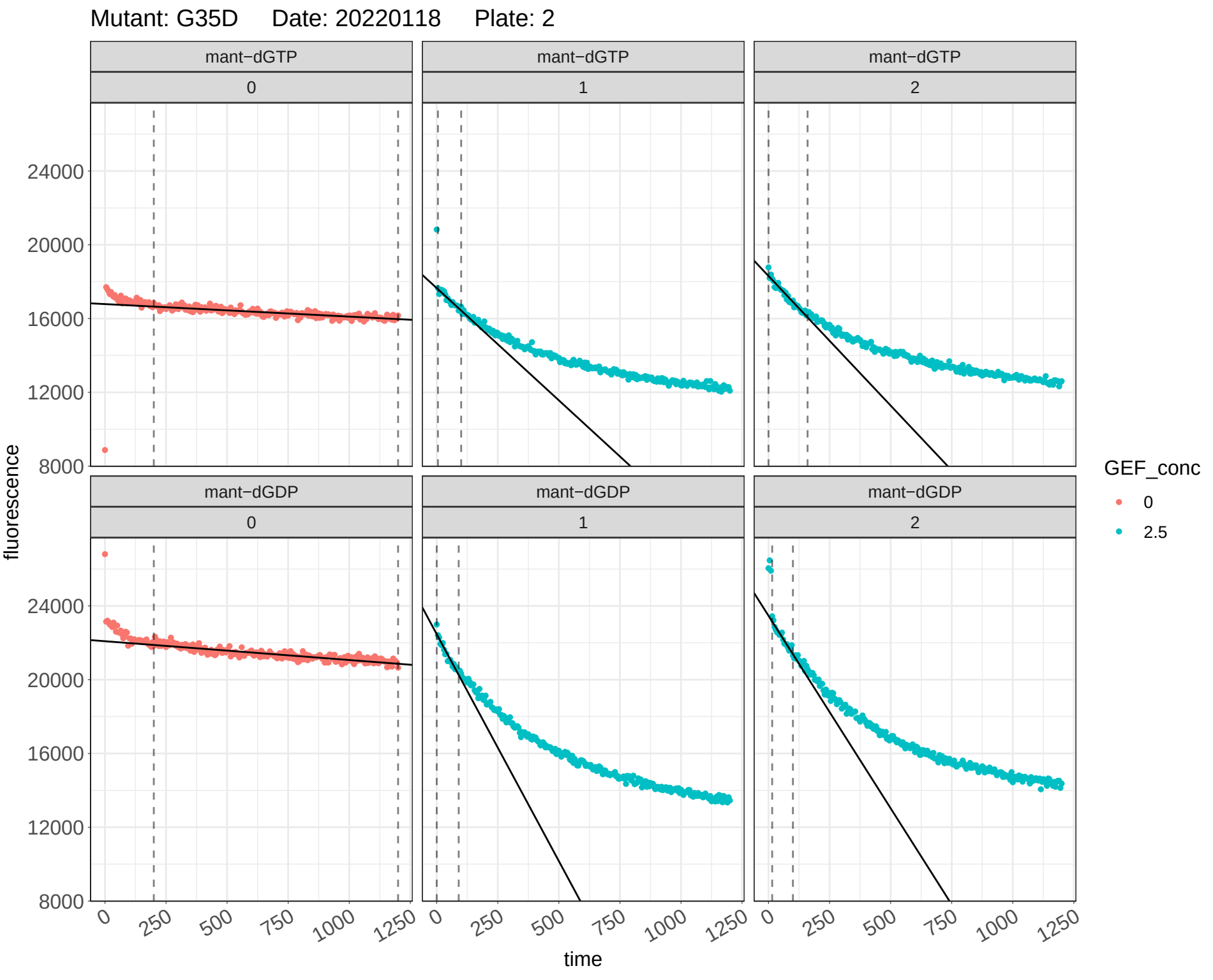

Mutant: WT Date: 20220118 Plate: 1
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGTP
3
mant−dGTP
4
mant−dGTP
5
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
mant−dGDP
3
mant−dGDP
4
mant−dGDP
5
fluorescence
22500
20000
17500
15000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

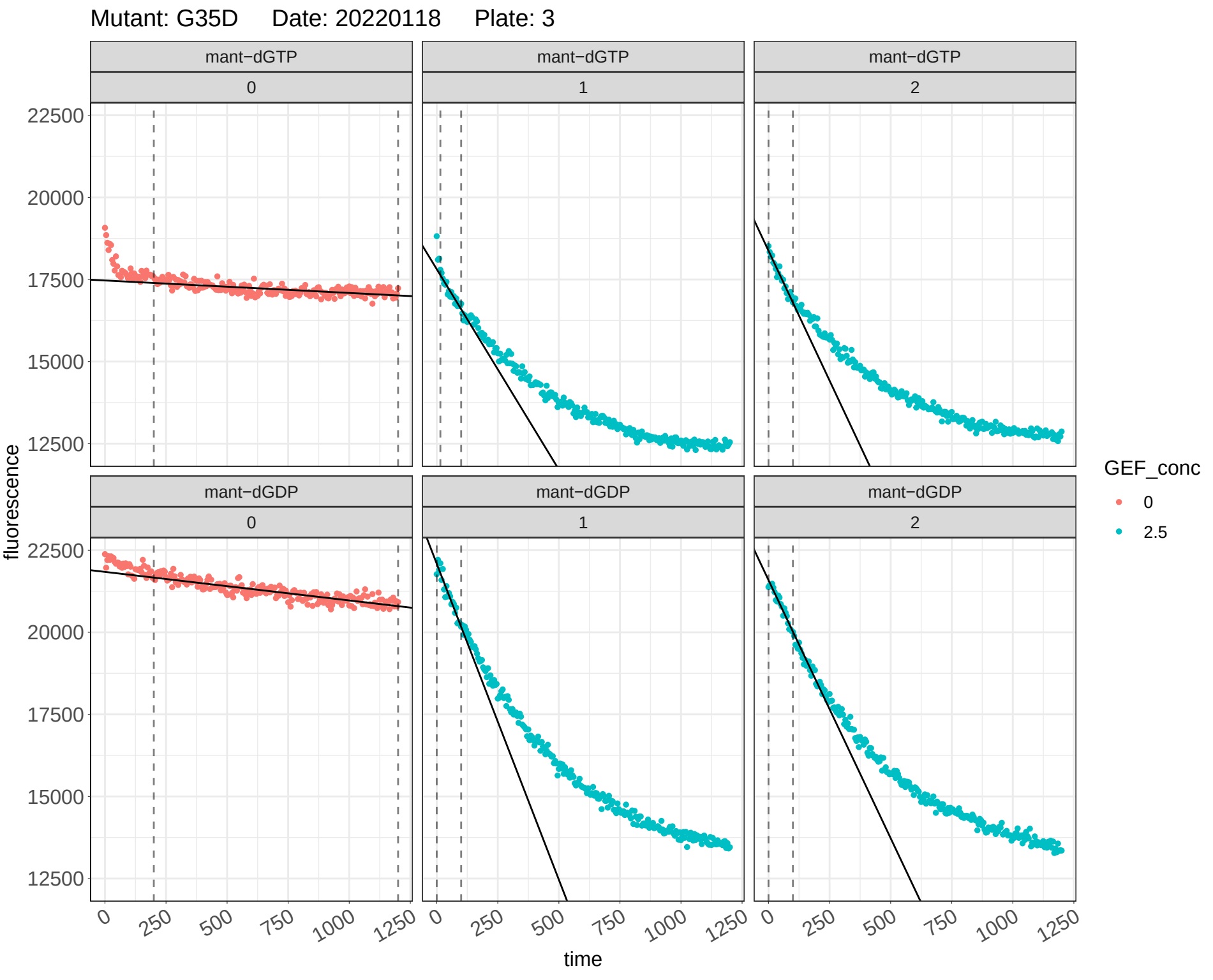

Mutant: F28V Date: 20211213 Plate: 8
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
14000
12000
10000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

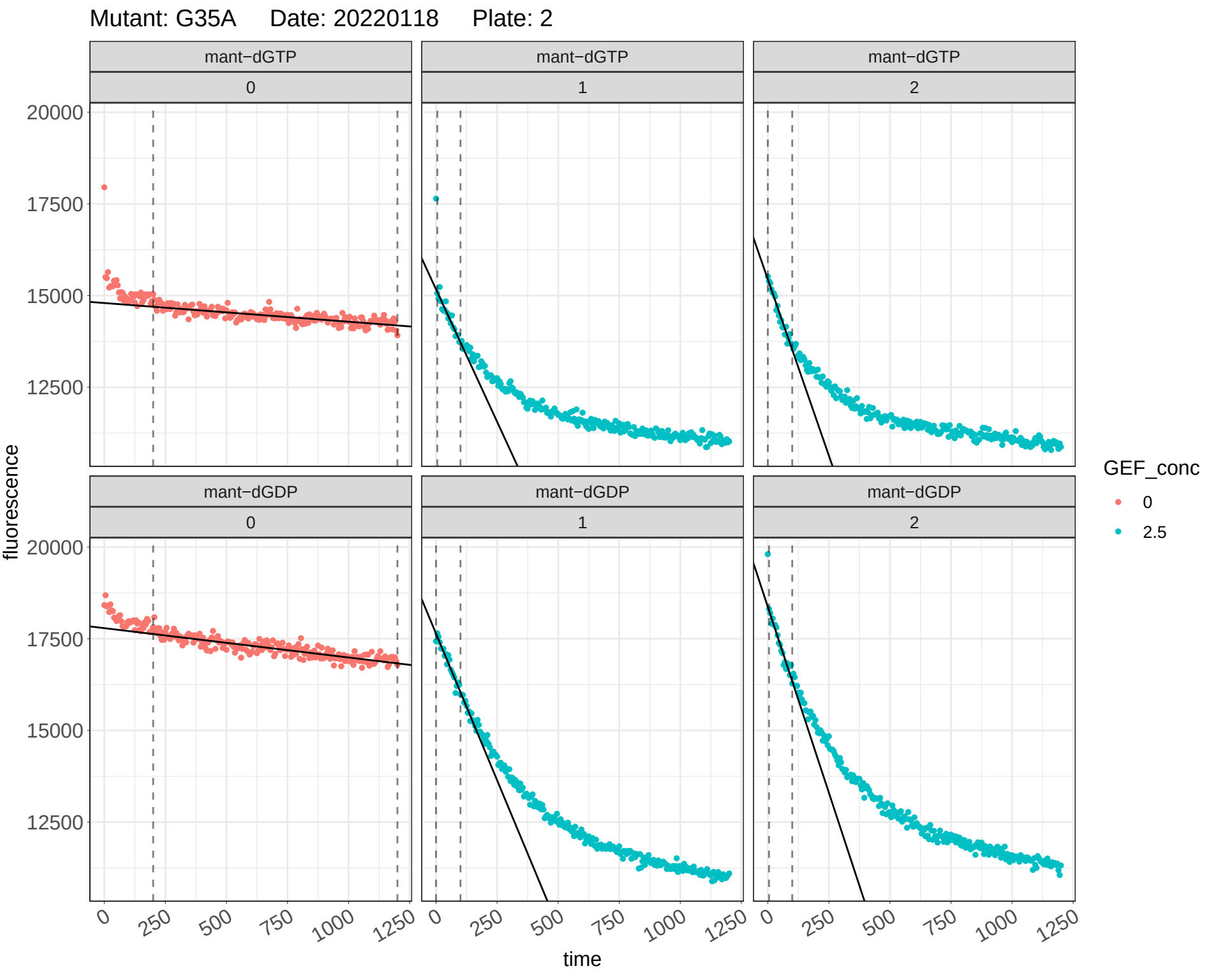

Mutant: F28V Date: 20211213 Plate: 9
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
15000
14000
13000
12000
11000
10000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

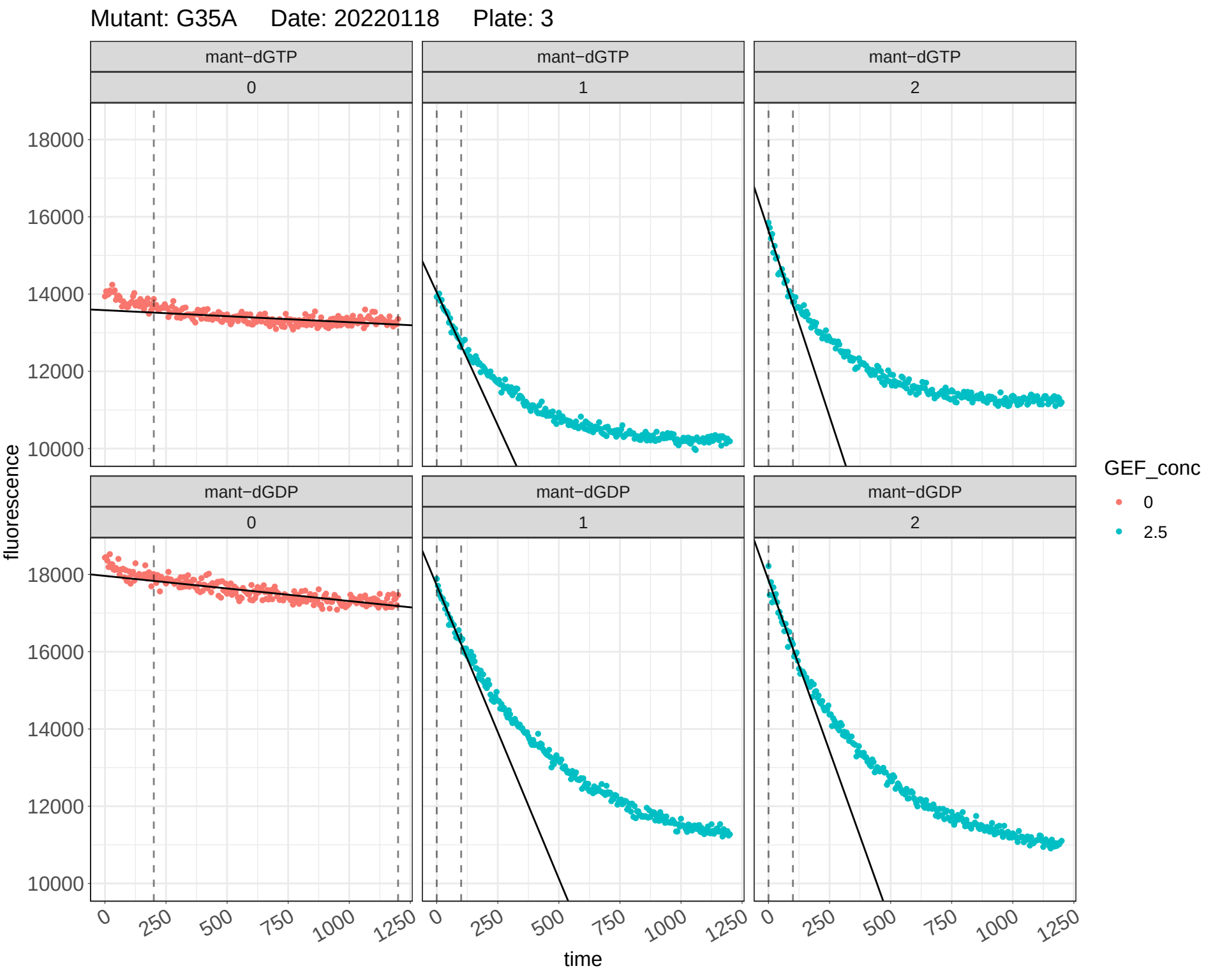

Mutant: F28Y Date: 20211213 Plate: 8
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
20000
18000
16000
14000
12000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

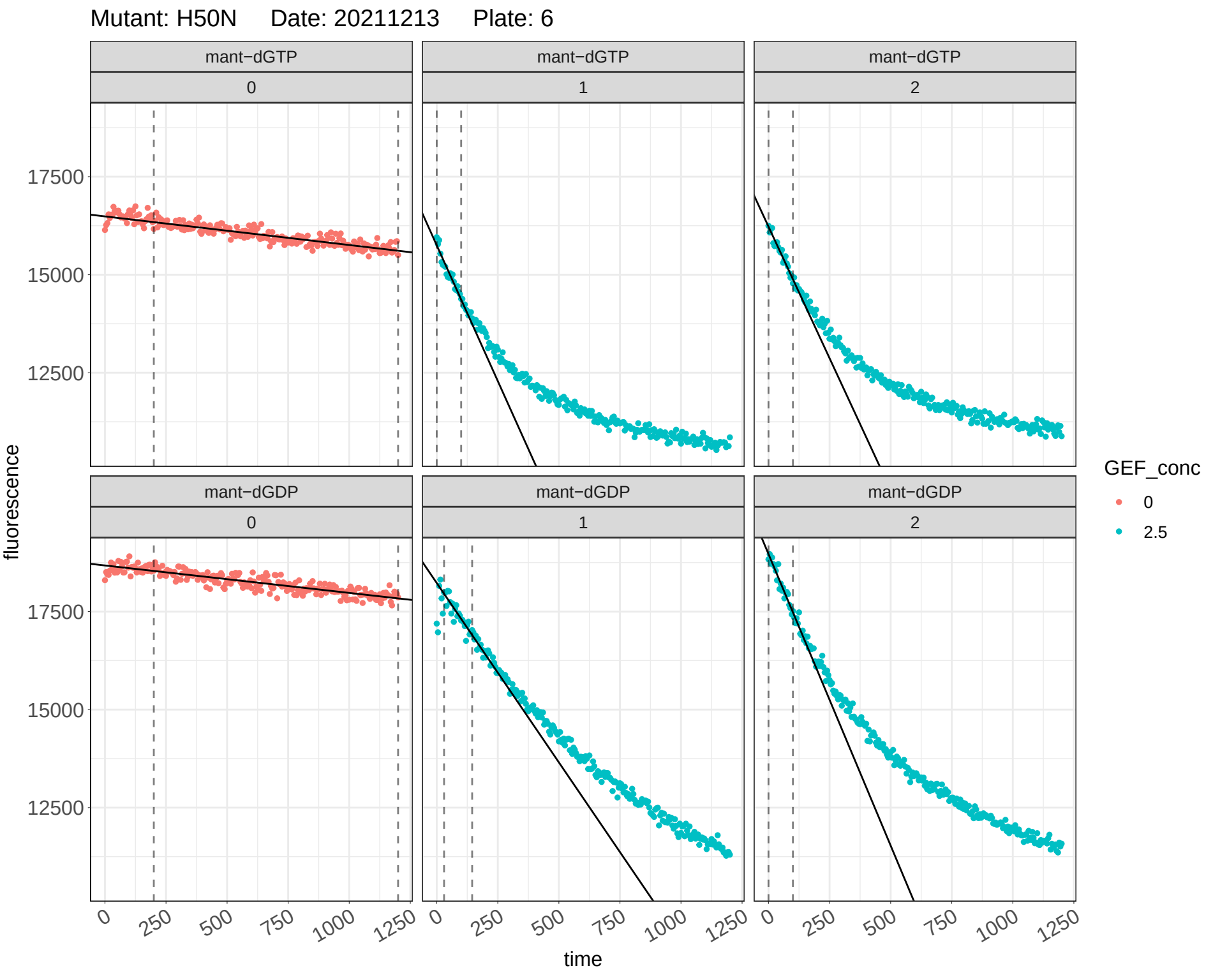

Mutant: F28Y Date: 20211213 Plate: 9
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
20000
18000
16000
14000
12000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

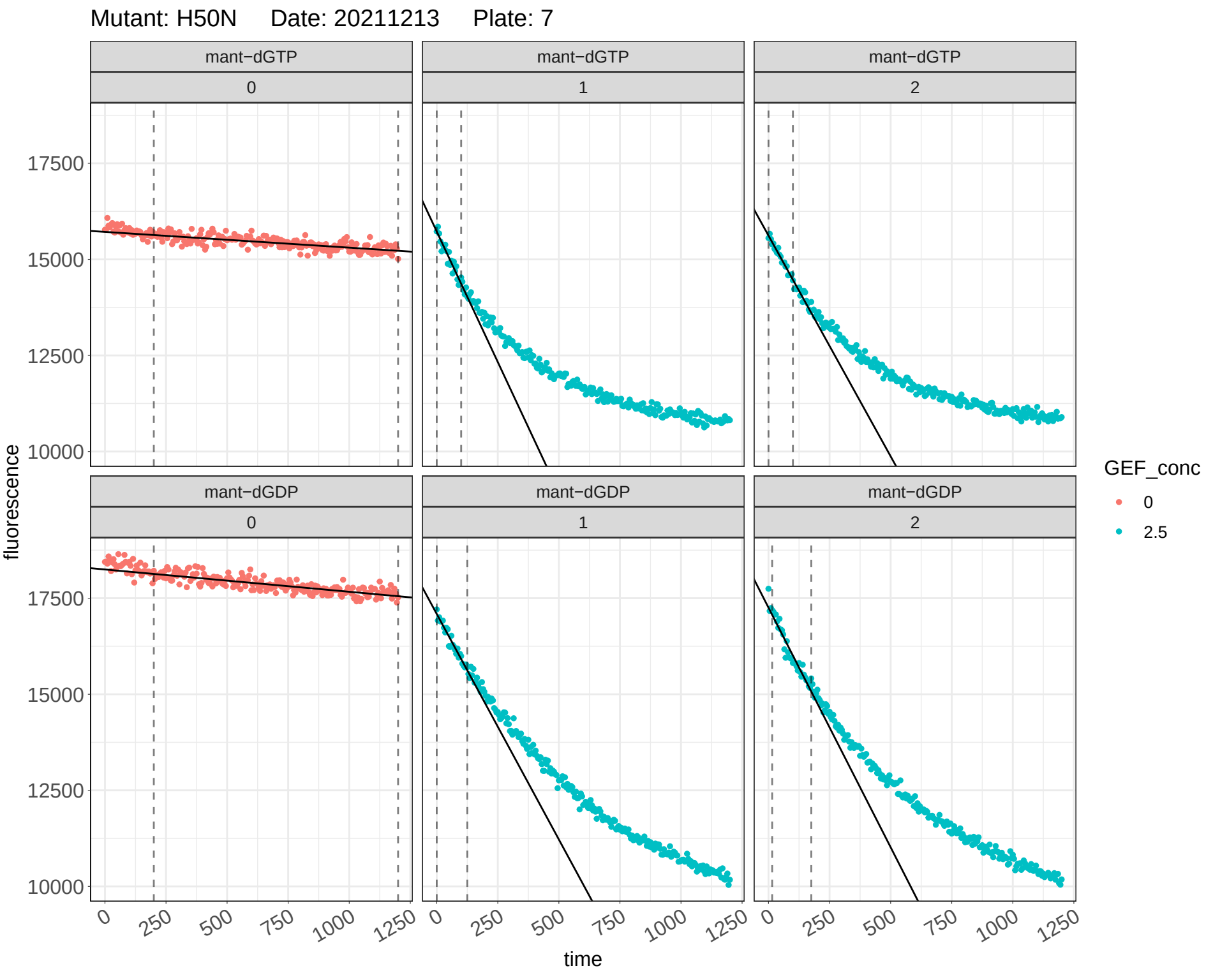

Mutant: G35D Date: 20220118 Plate: 2
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
24000
20000
16000
12000
8000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

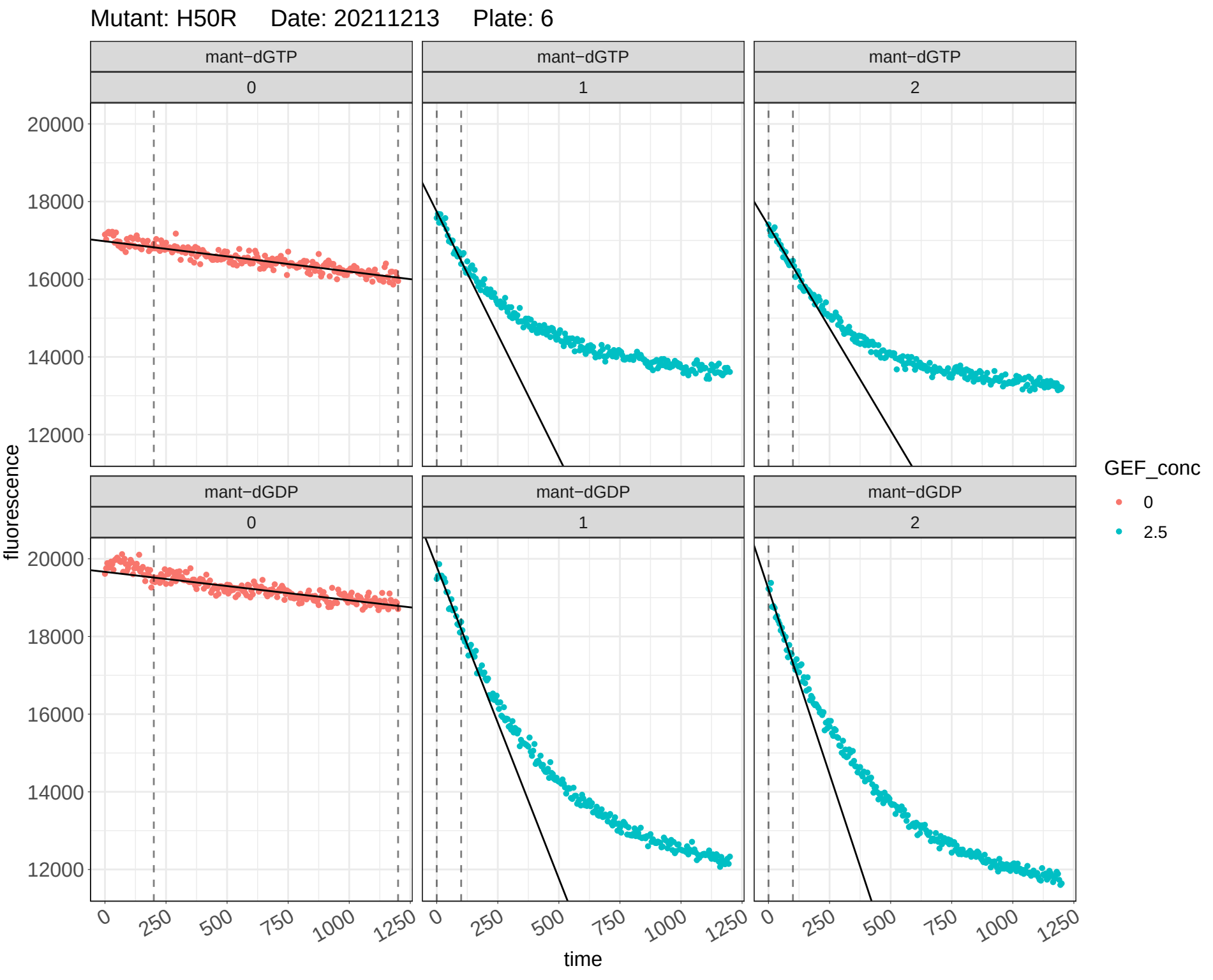

Mutant: G35D Date: 20220118 Plate: 3
mant−dGTP
0
1
2
mant−dGDP
22500
20000
17500
15000
12500
fluorescence
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

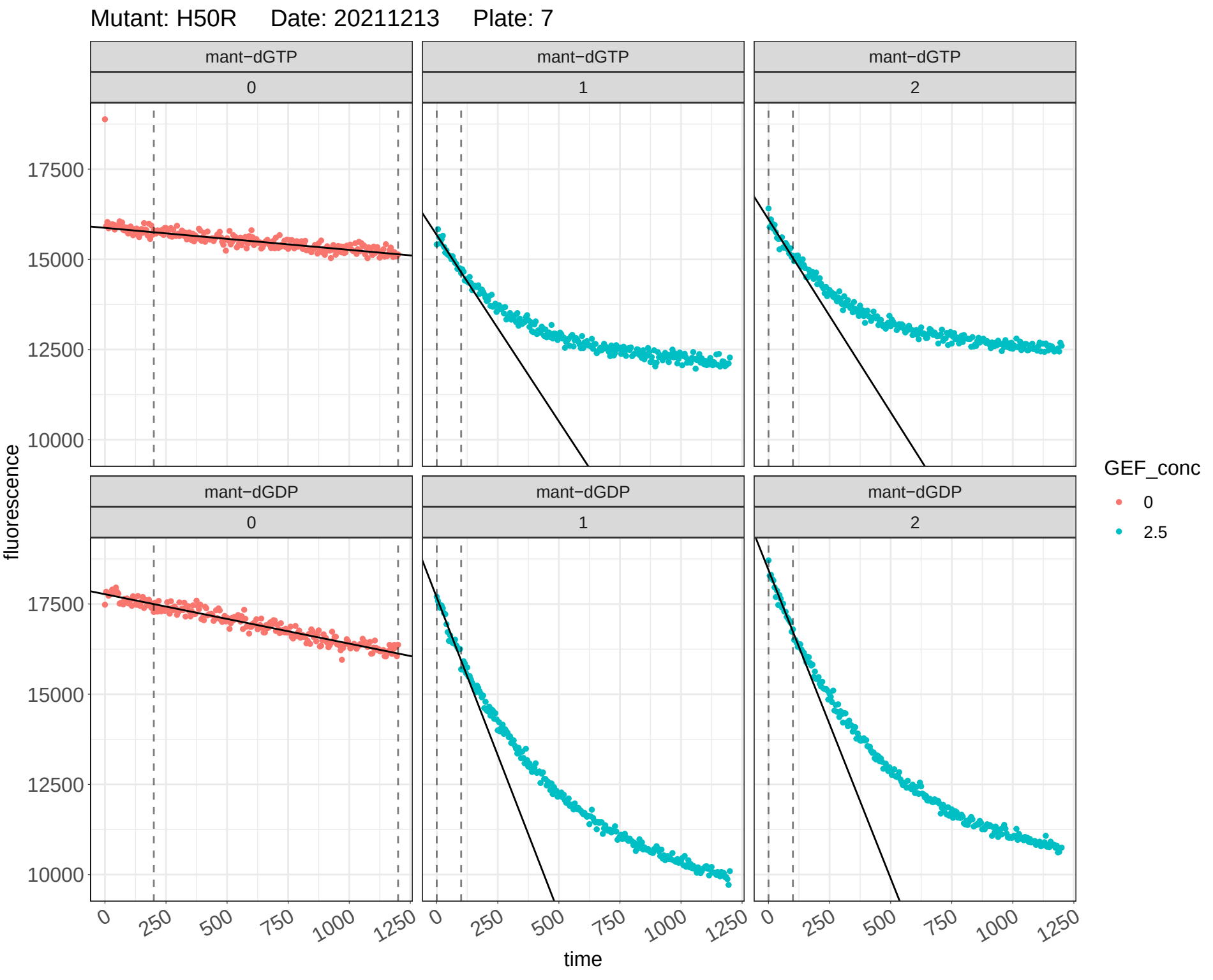

Mutant: G35A Date: 20220118 Plate: 2
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
20000
17500
15000
12500
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

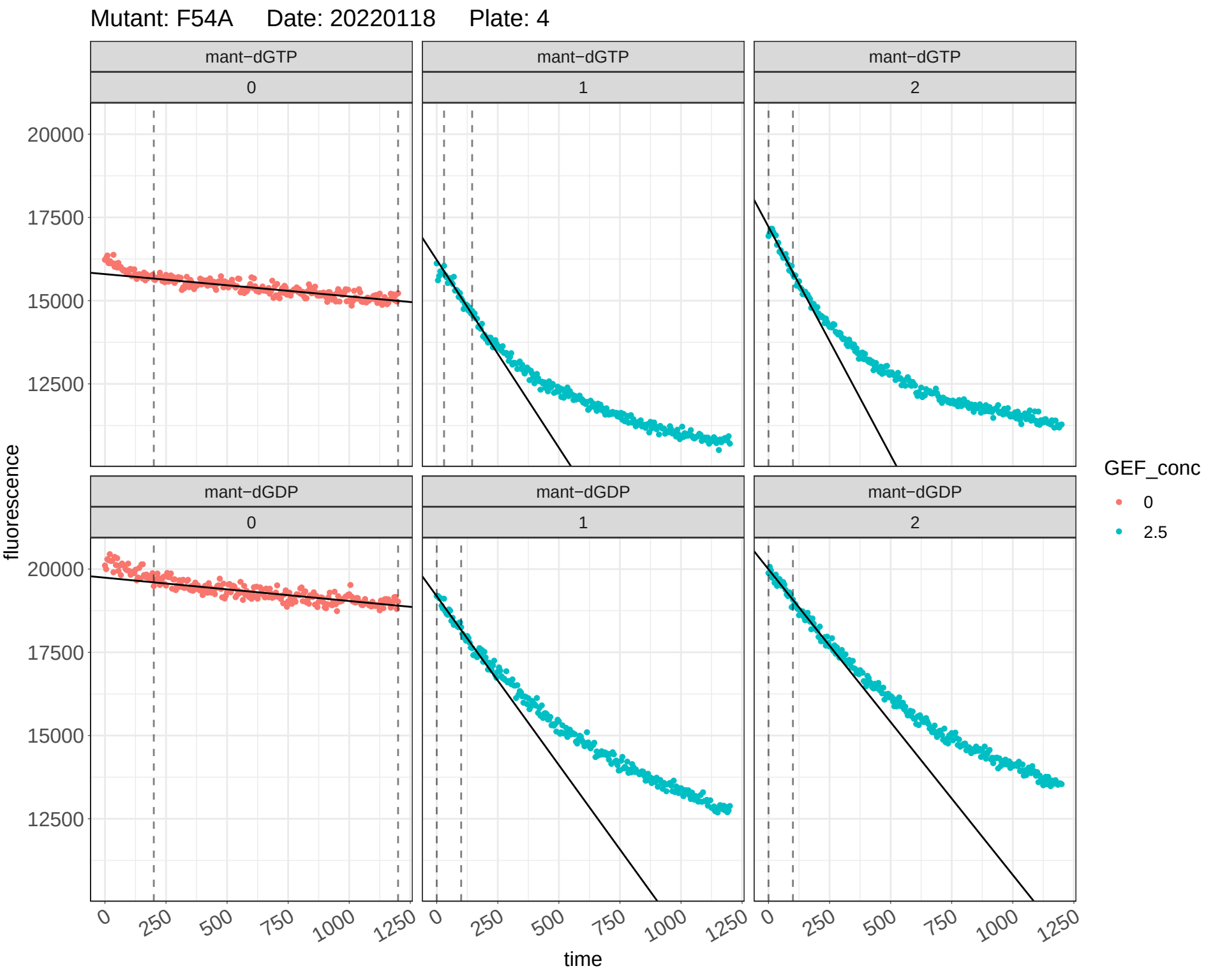

Mutant: G35A Date: 20220118 Plate: 3
mant−dGTP
0
1
2
mant−dGDP
fluorescence
time
GEF_conc
0
2.5

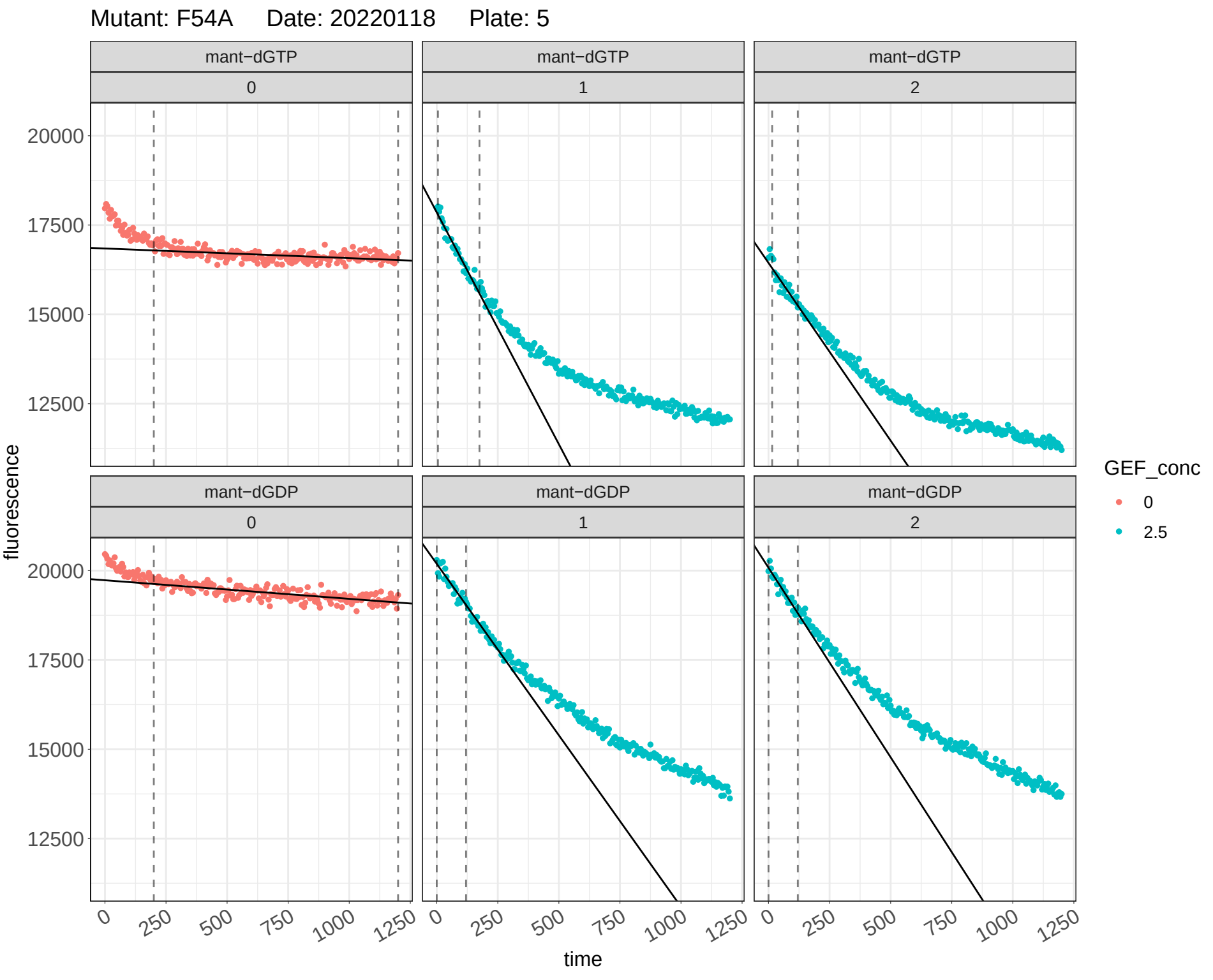

Mutant: H50N Date: 20211213 Plate: 6
mant−dGTP
0
1
2
mant−dGDP
17500
15000
12500
fluorescence
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

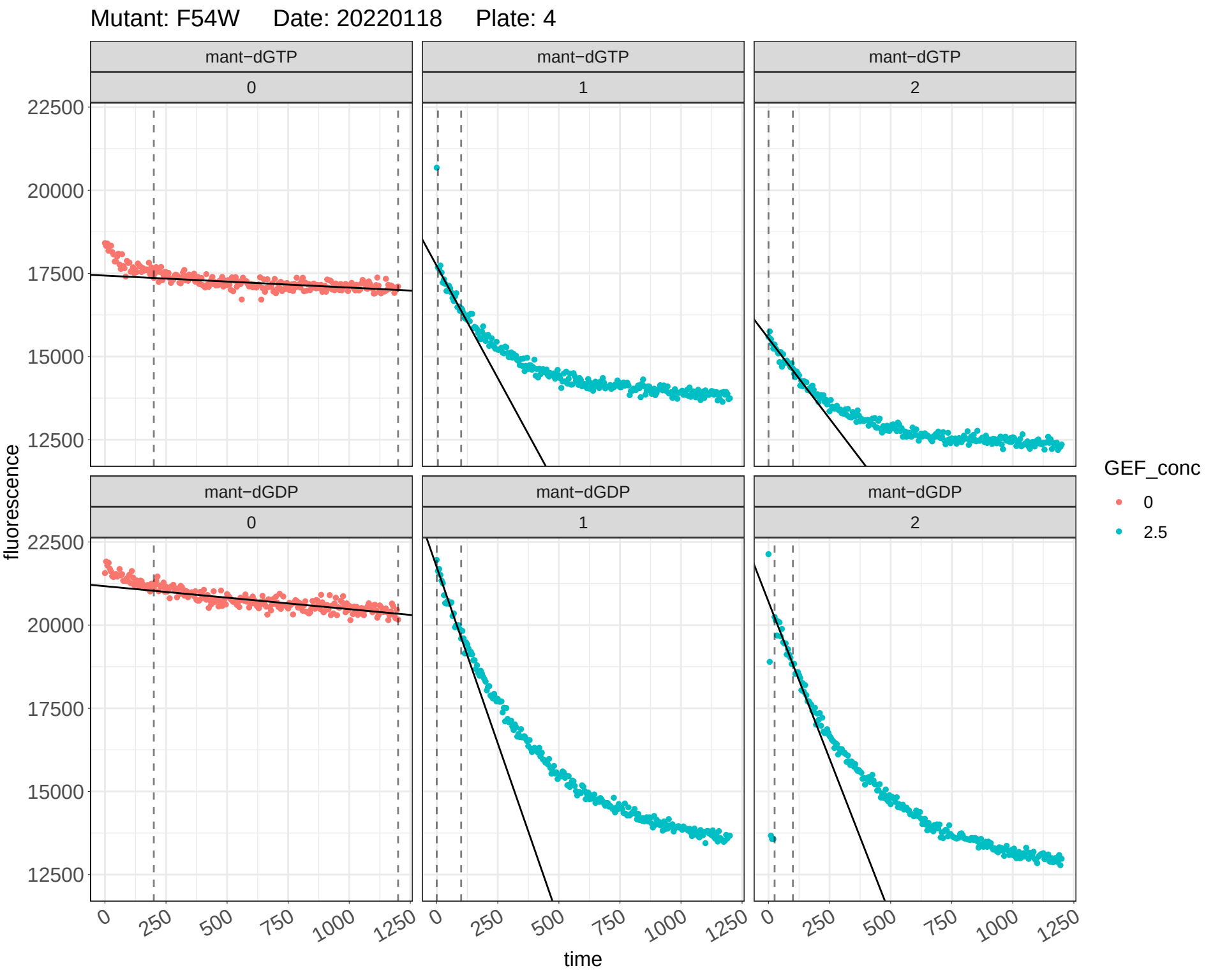

Mutant: H50N Date: 20211213 Plate: 7
mant−dGTP
0
1
2
mant−dGDP
fluorescence
17500
15000
12500
10000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

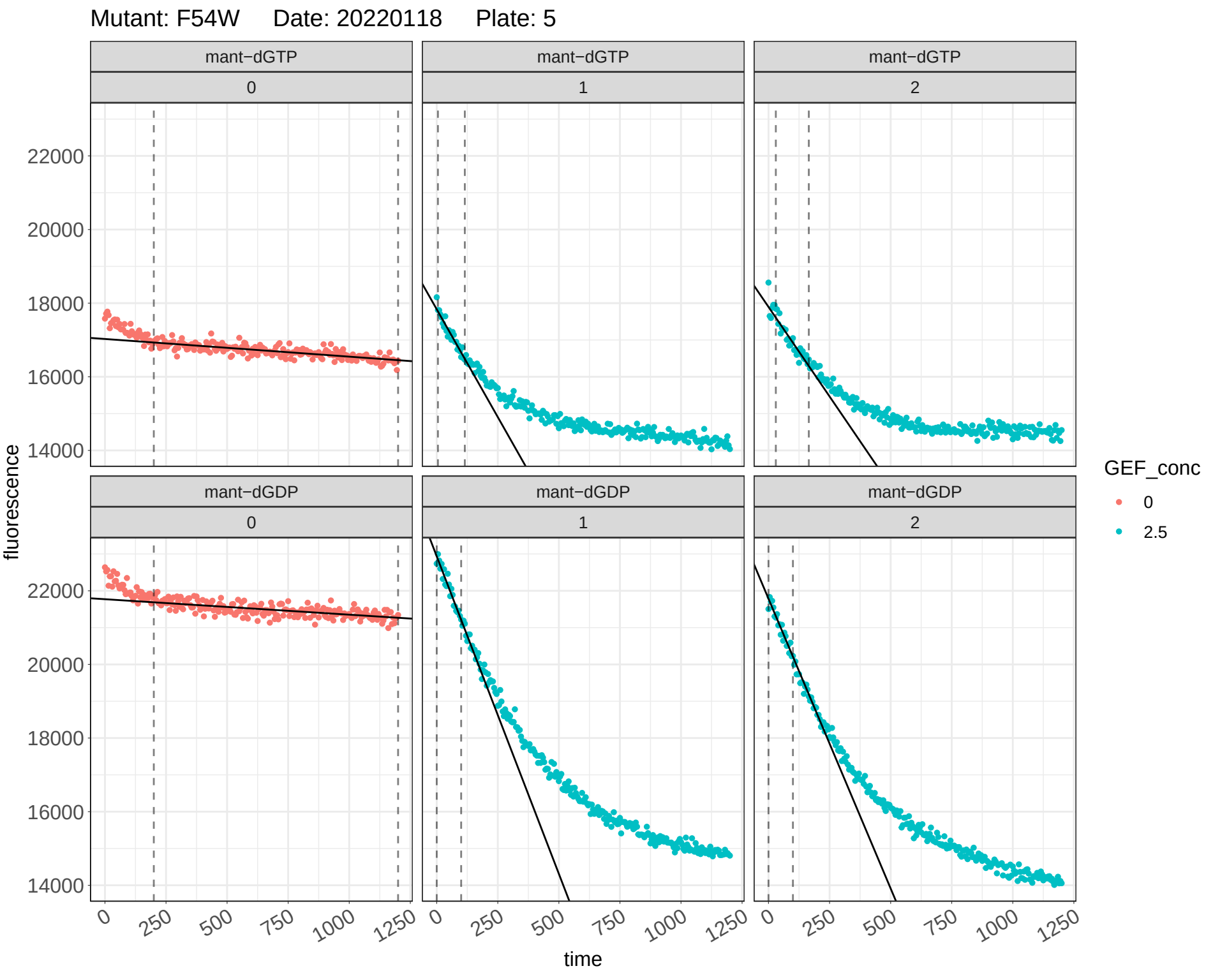

Mutant: H50R Date: 20211213 Plate: 6
mant−dGTP
mant−dGDP
0
1
2
fluorescence
time
20000
18000
16000
14000
12000
0
250
500
750
1000
1250
GEF_conc
0
2.5

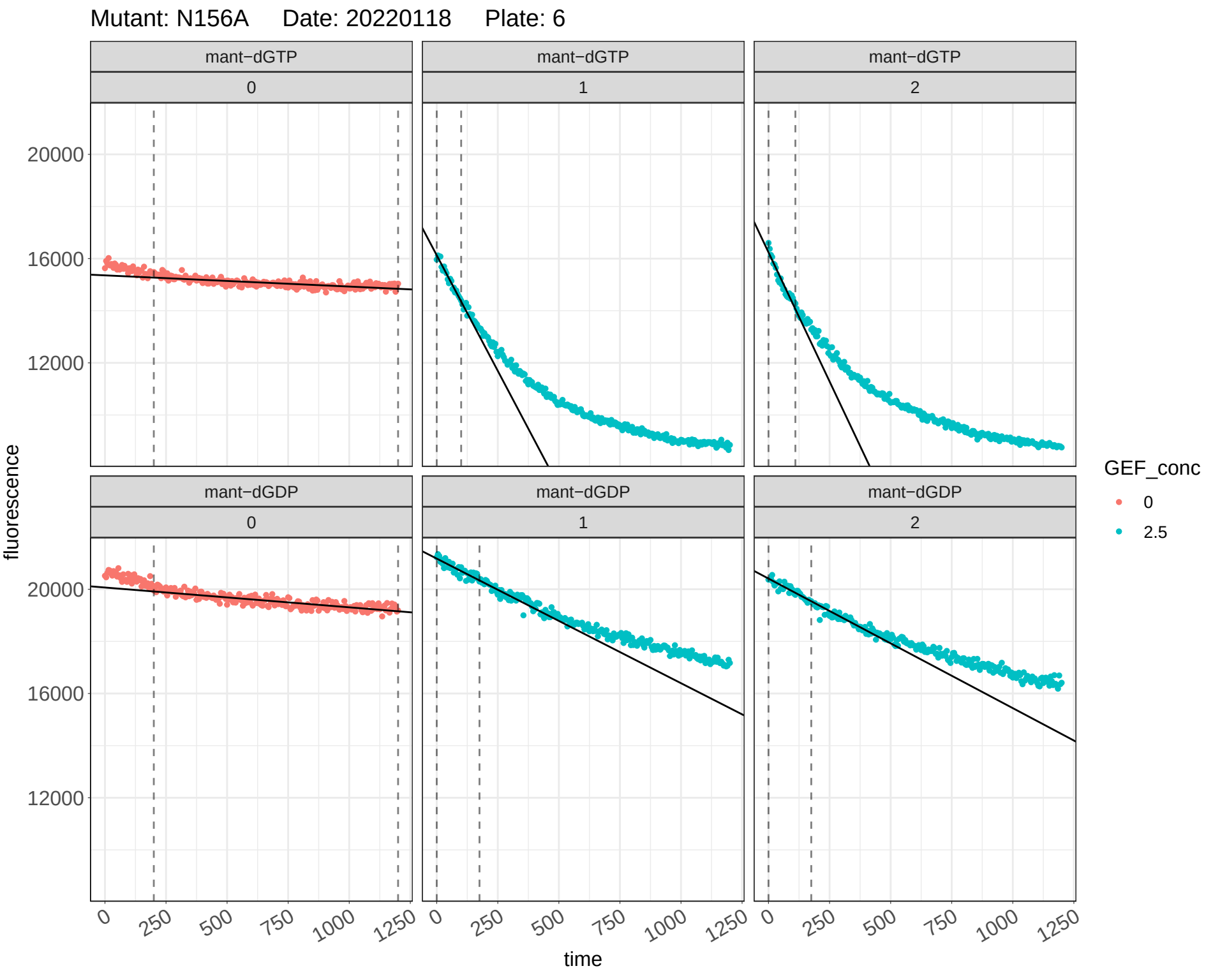

Mutant: H50R Date: 20211213 Plate: 7
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
17500
15000
12500
10000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

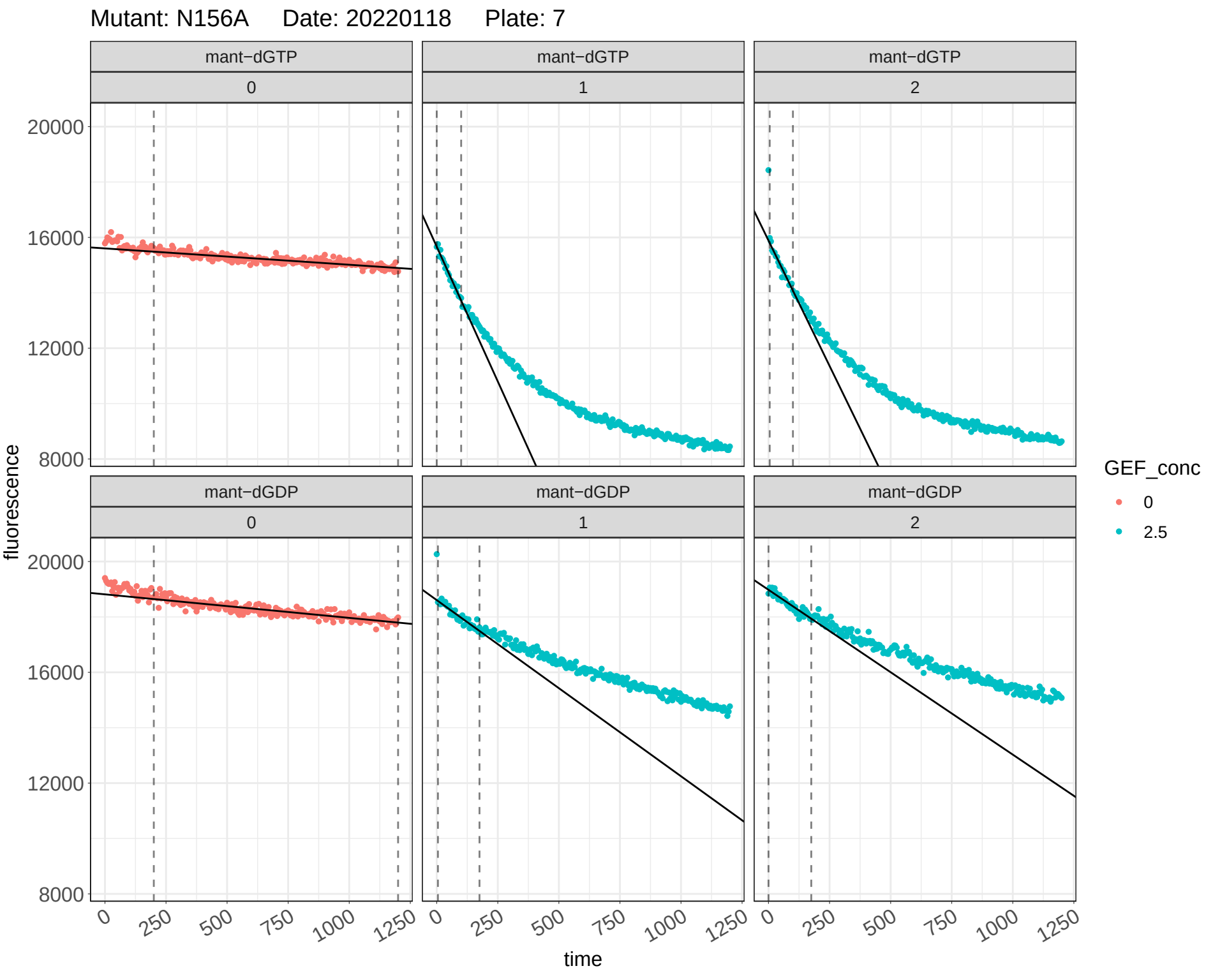

Mutant: F54A Date: 20220118 Plate: 4
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
20000
17500
15000
12500
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

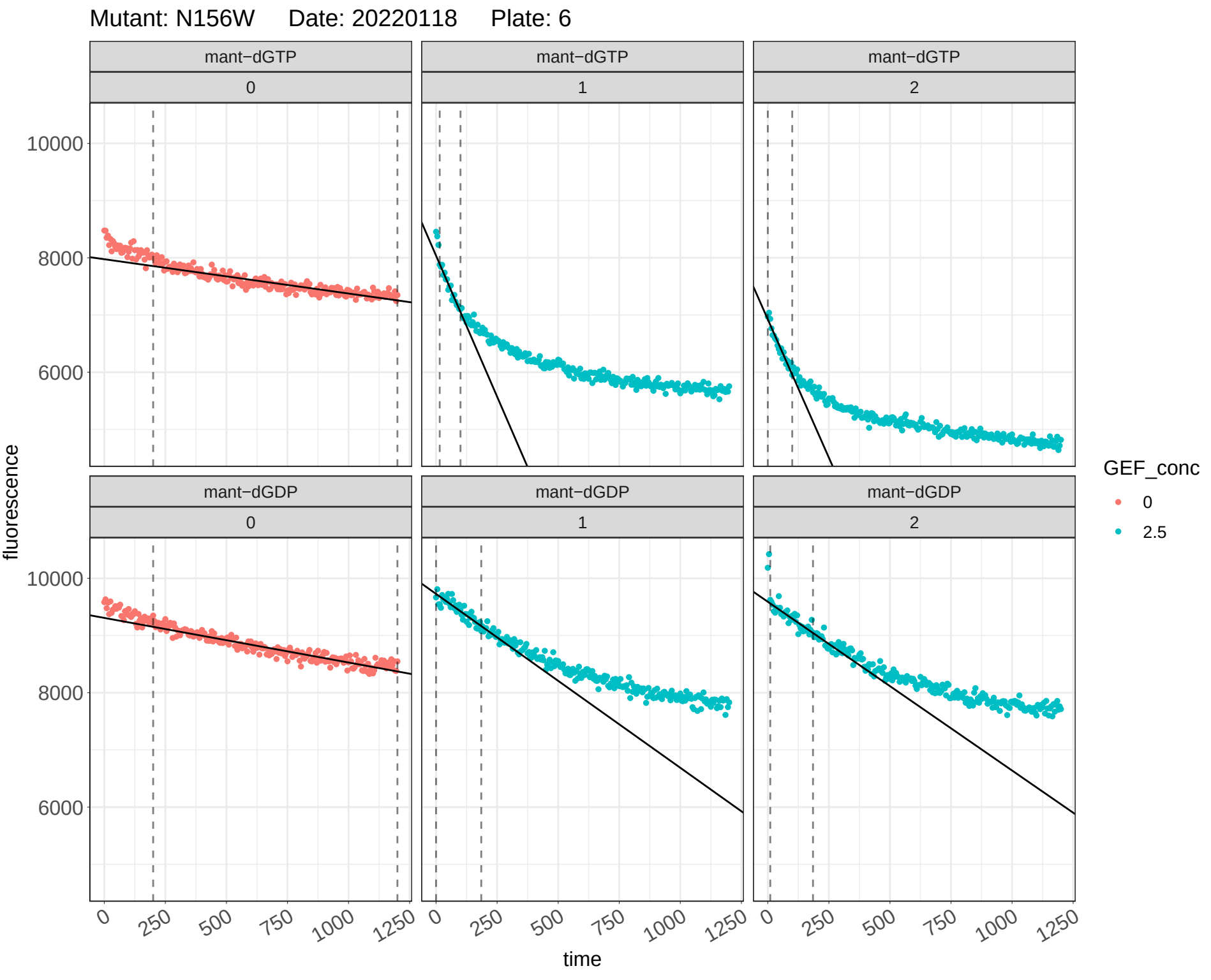

Mutant: F54A Date: 20220118 Plate: 5
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
20000
17500
15000
12500
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

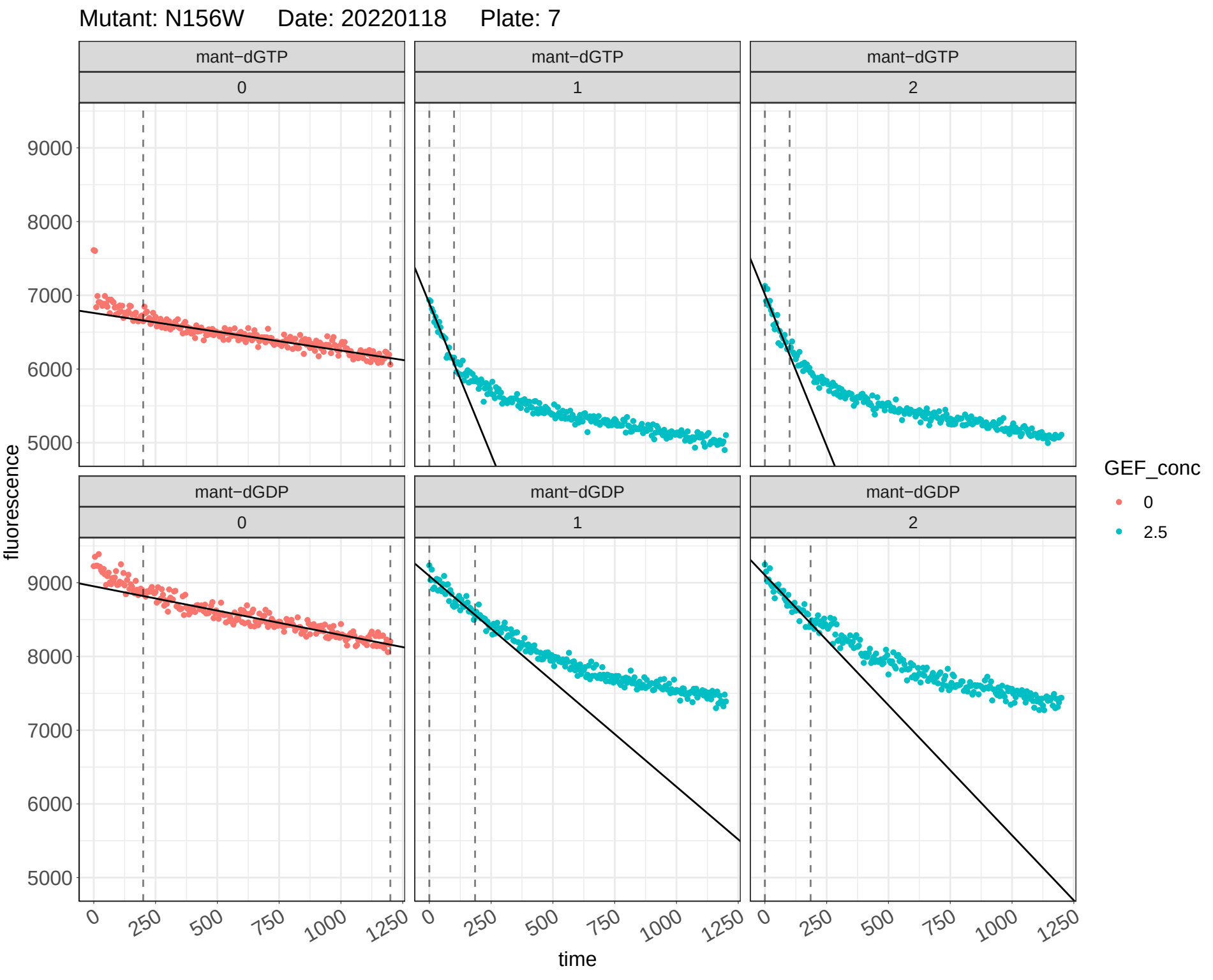

Mutant: F54W Date: 20220118 Plate: 4
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
22500
20000
17500
15000
12500
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

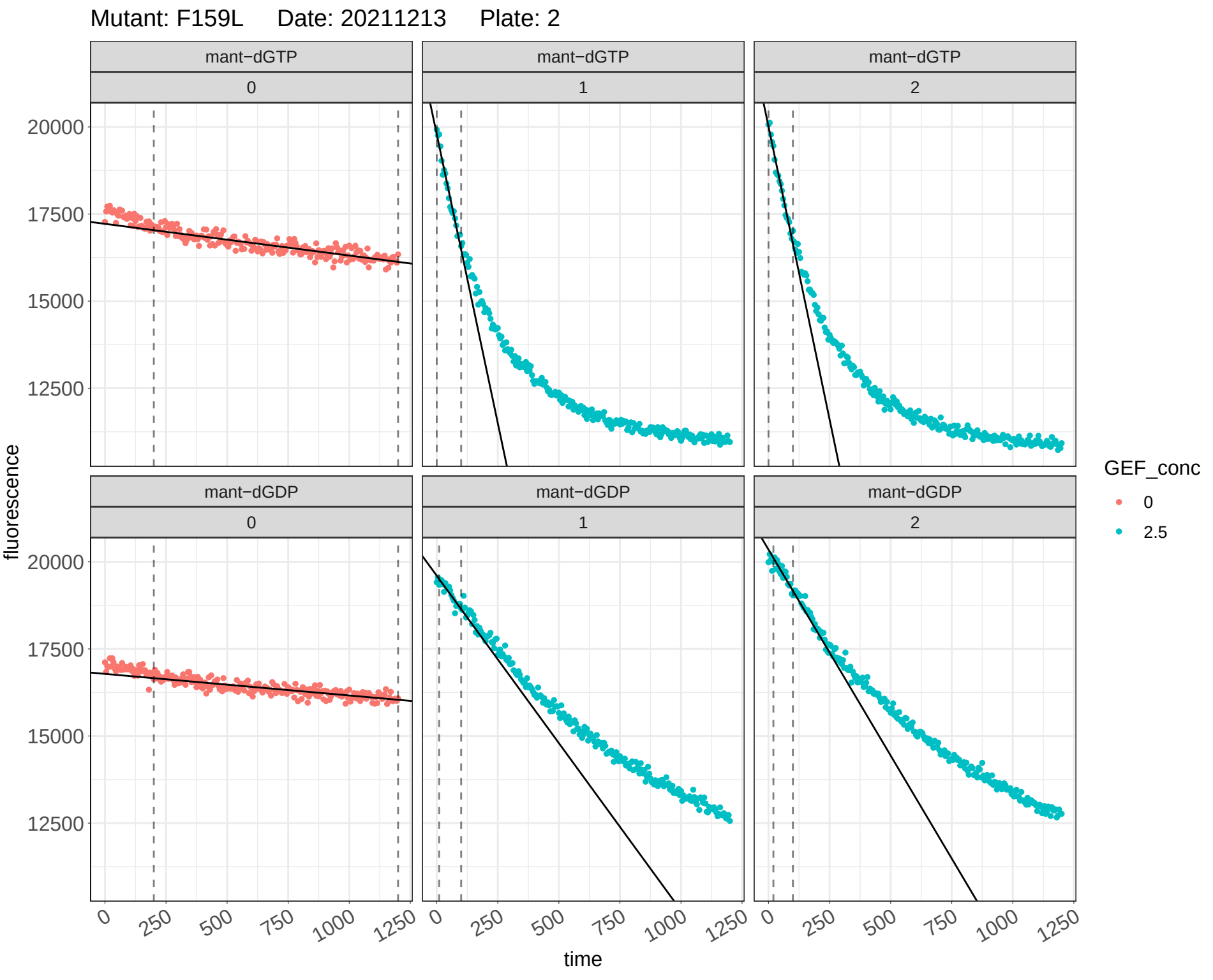

Mutant: F54W Date: 20220118 Plate: 5
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
22000
20000
18000
16000
14000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

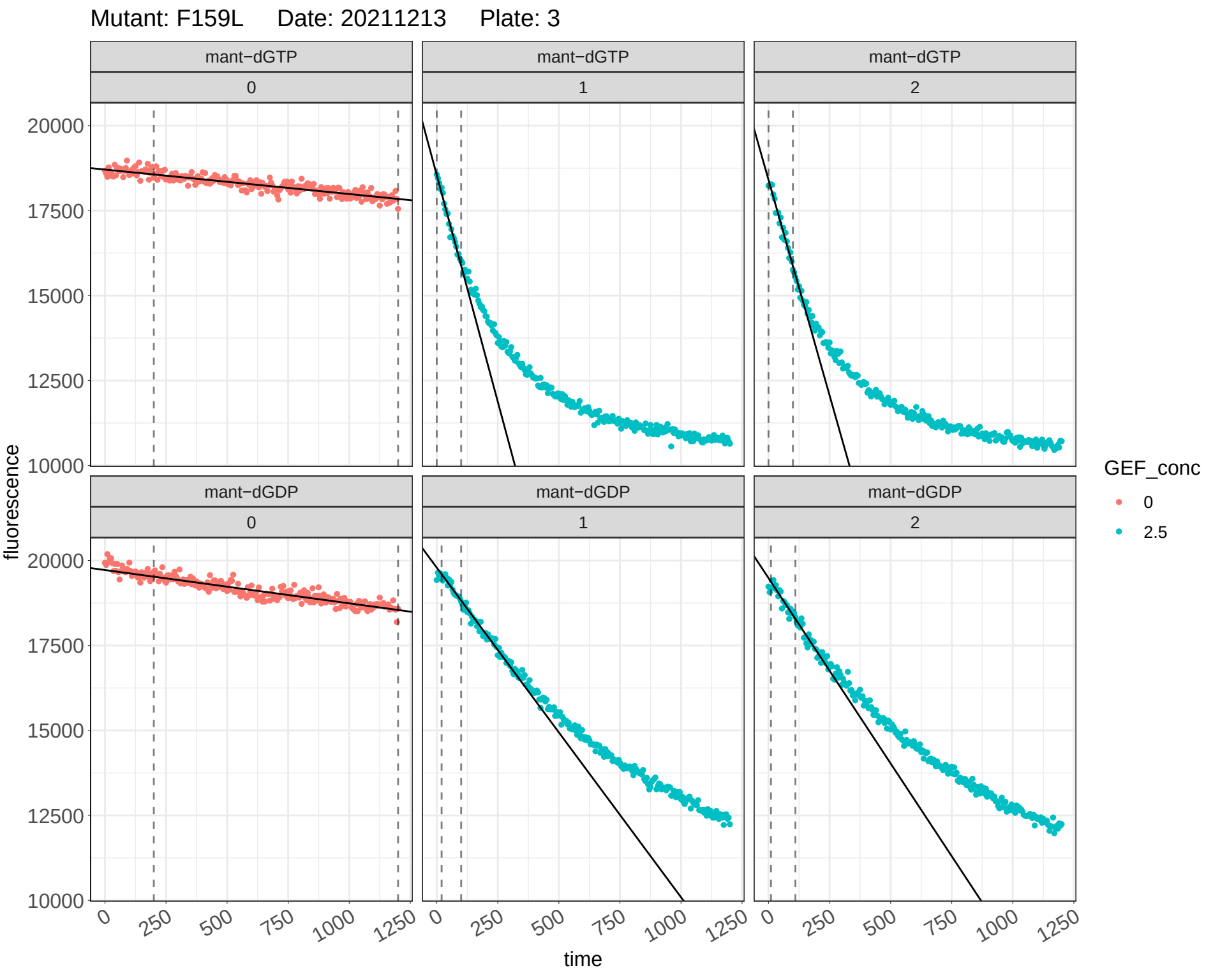

Mutant: N156A Date: 20220118 Plate: 6
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
20000
16000
12000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

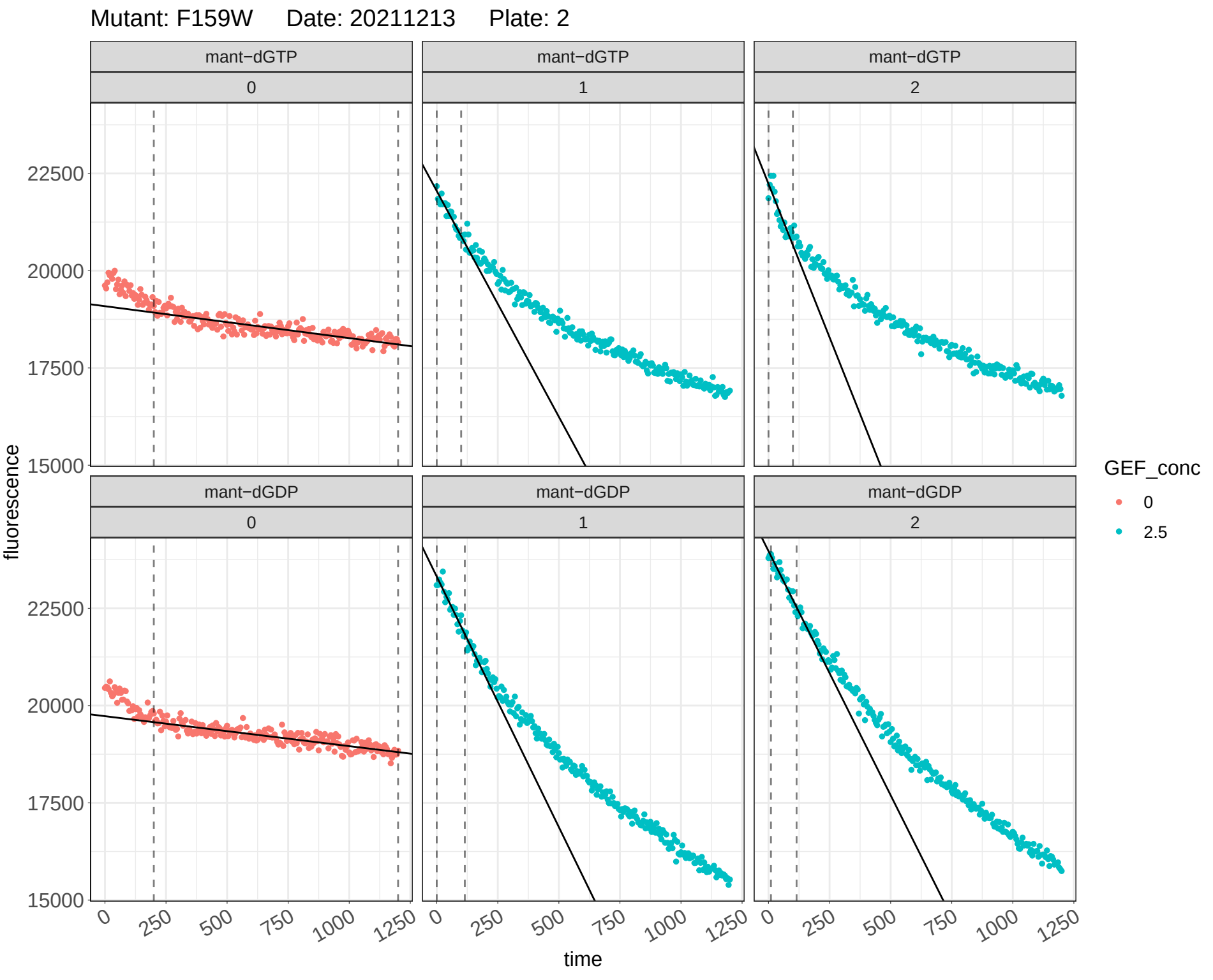

Mutant: N156A Date: 20220118 Plate: 7
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
20000
16000
12000
8000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

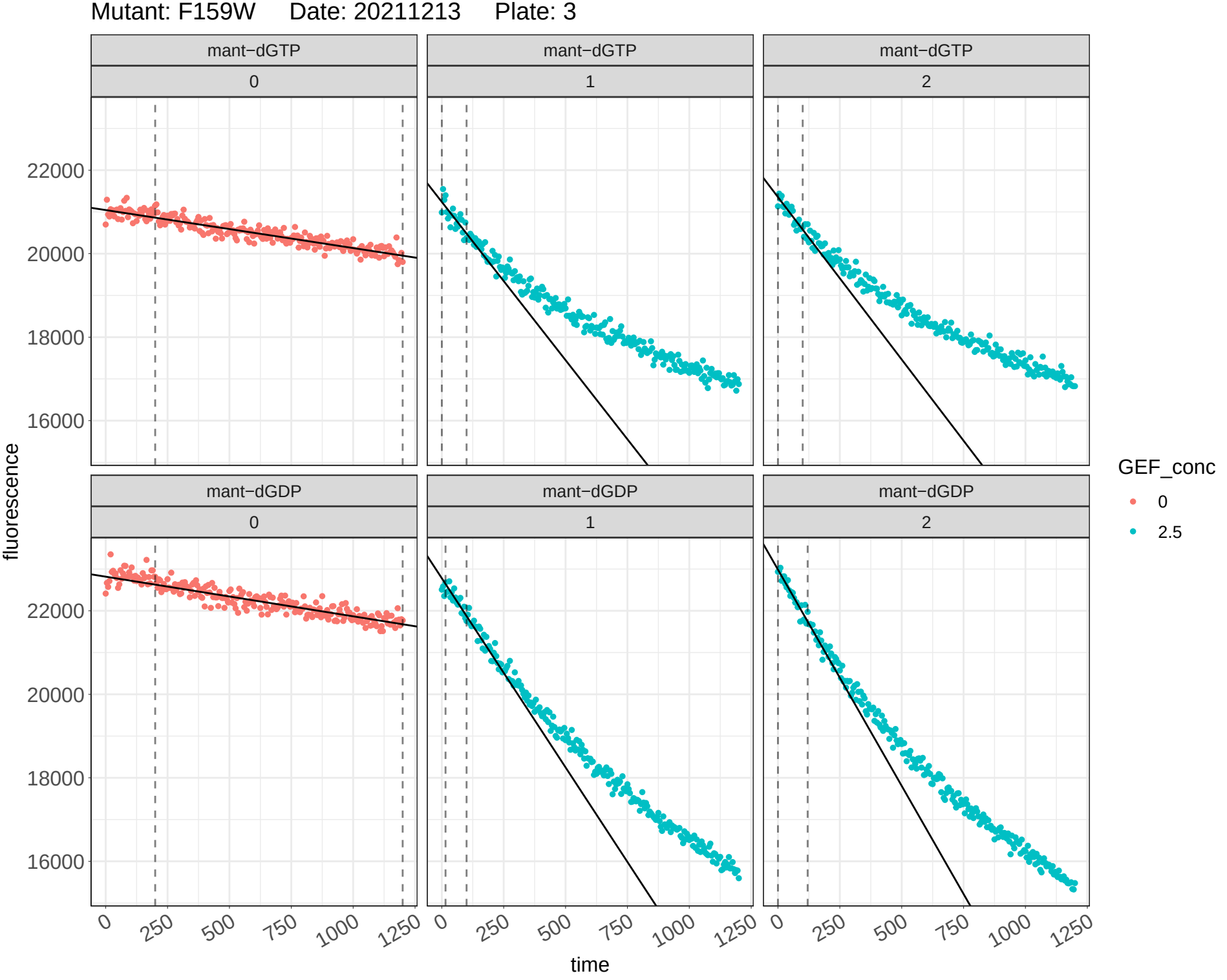

Mutant: N156W Date: 20220118 Plate: 6
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
10000
8000
6000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

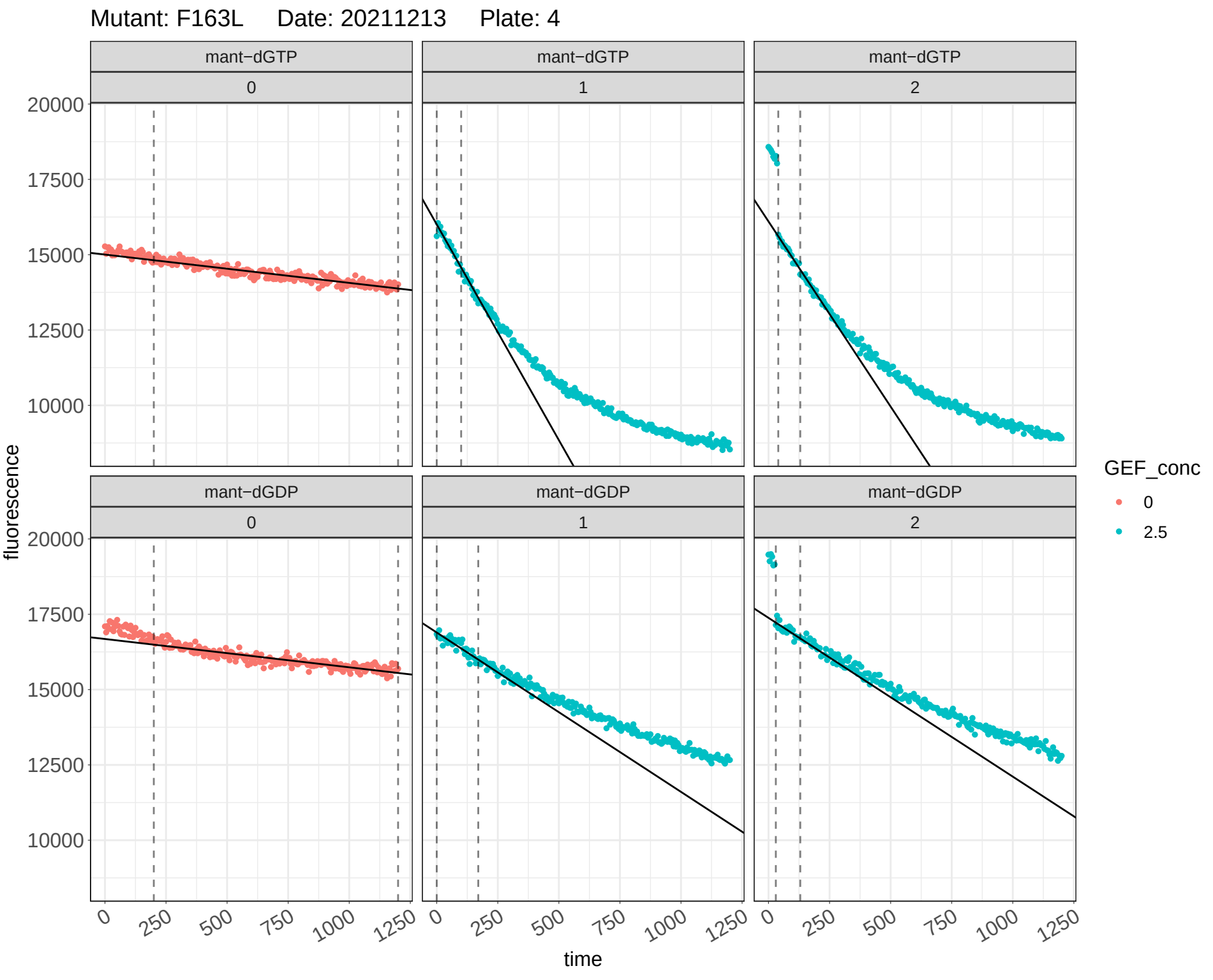

Mutant: N156W Date: 20220118 Plate: 7
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
9000
8000
7000
6000
5000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

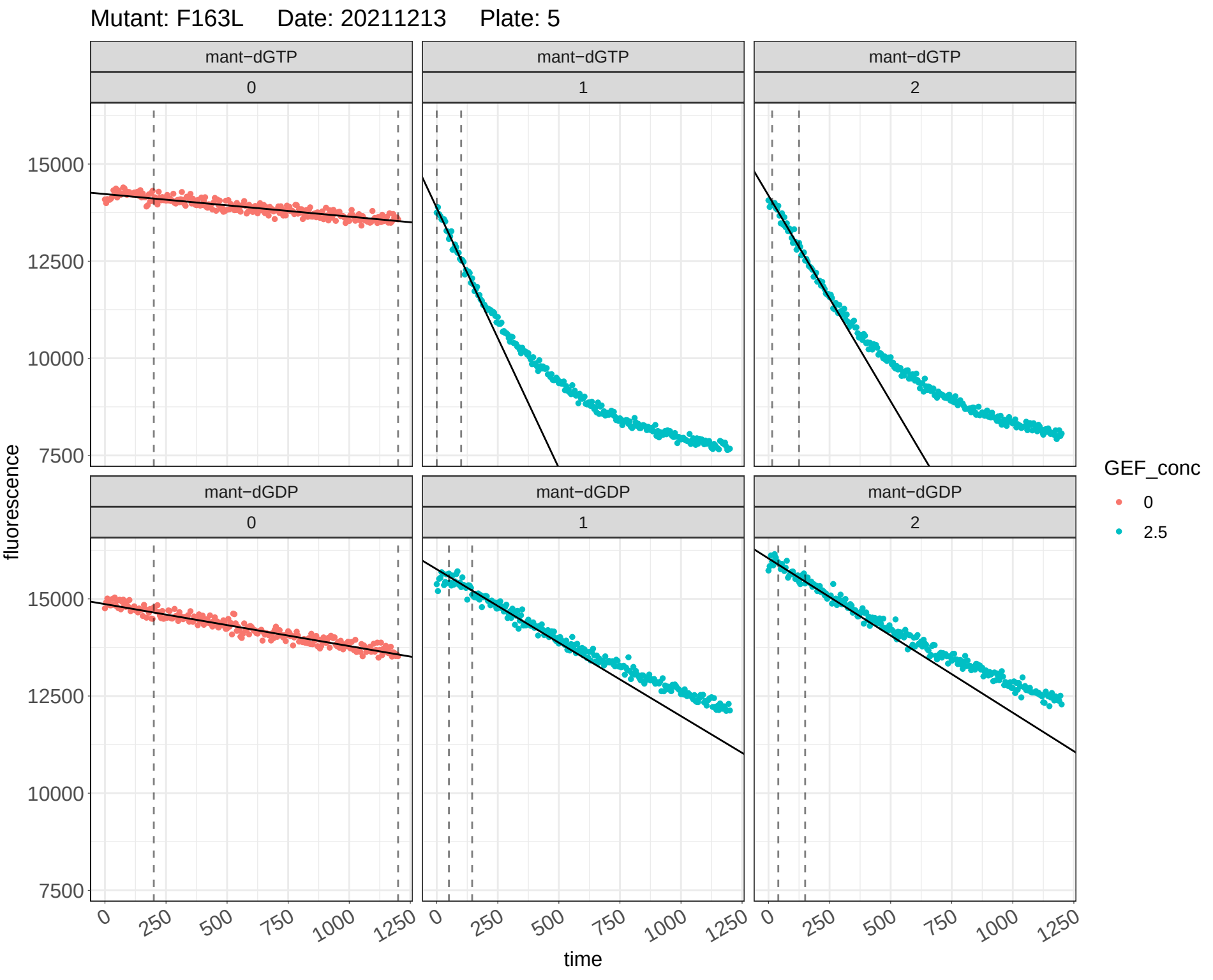

Mutant: F159L Date: 20211213 Plate: 2
mant−dGTP
0
1
2
mant−dGDP
0
1
2
20000
17500
15000
12500
fluorescence
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

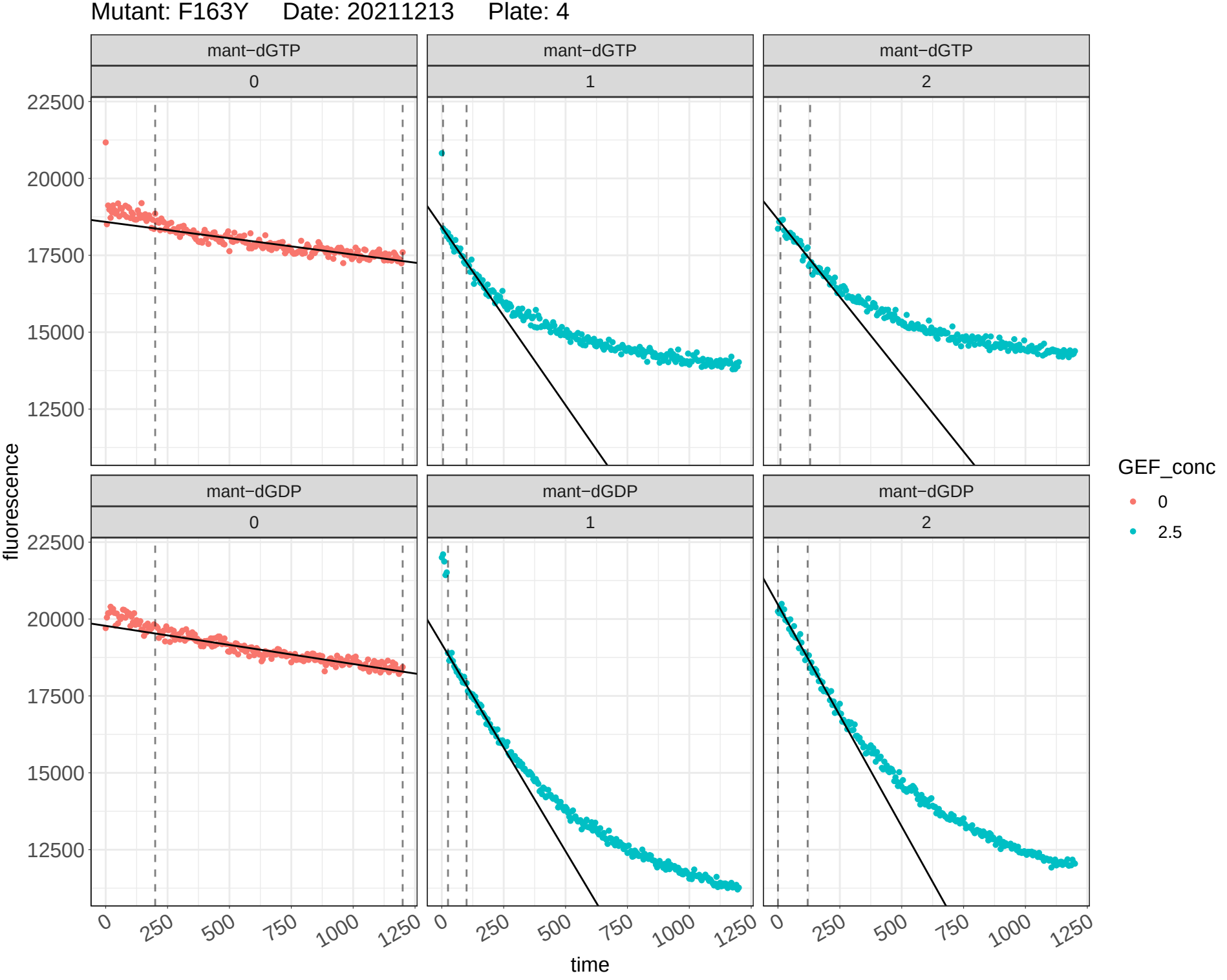

Mutant: F159L Date: 20211213 Plate: 3
mant−dGTP
0
1
2
mant−dGDP
20000
17500
15000
12500
10000
fluorescence
0
250
500
750
1000
1250
time
GEF_conc
0
2.5

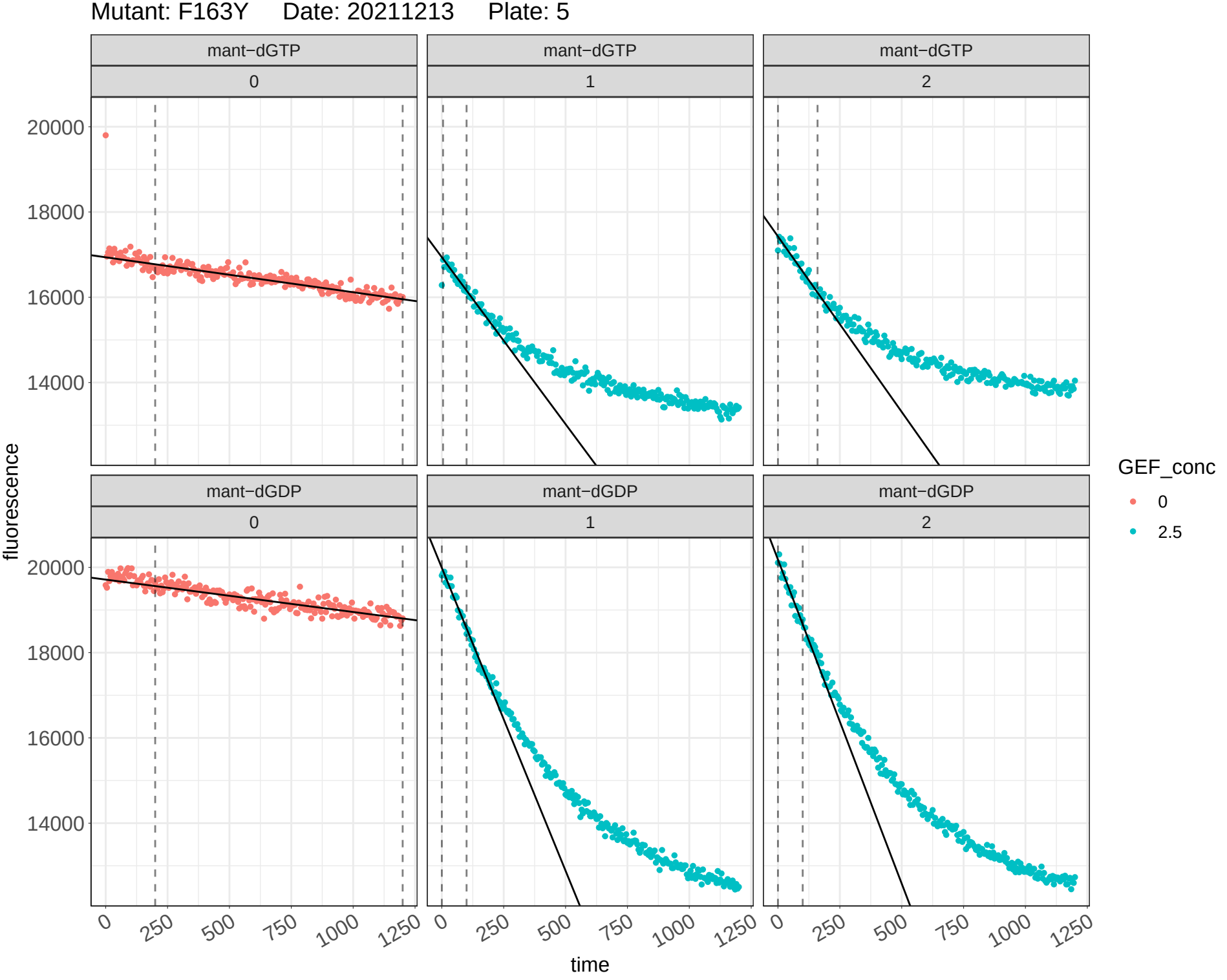

Mutant: F159W Date: 20211213 Plate: 2
mant−dGTP
0
1
2
mant−dGDP
fluorescence
22500
20000
17500
15000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5


Mutant: F159W Date: 20211213 Plate: 3
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
22000
20000
18000
16000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5


Mutant: F163L Date: 20211213 Plate: 4
mant−dGTP
0
1
2
mant−dGDP
0
1
2
fluorescence
20000
17500
15000
12500
10000
0
250
500
750
1000
1250
time
GEF_conc
0
2.5


Mutant: F163L Date: 20211213 Plate: 5
mant−dGTP
0
1
2
mant−dGDP
0
1
2
15000
12500
10000
7500
fluorescence
0
250
500
750
1000
1250
time
GEF_conc
0
2.5


Mutant: F163Y Date: 20211213 Plate: 4
mant−dGTP
0
mant−dGTP
1
mant−dGTP
2
mant−dGDP
0
mant−dGDP
1
mant−dGDP
2
fluorescence
22500
20000
17500
15000
12500
0
250
500
750
1000
1250
time
GEF_conc
0
2.5


Mutant: F163Y Date: 20211213 Plate: 5
mant−dGTP
0
1
2
mant−dGDP
20000
18000
16000
14000
fluorescence
0
250
500
750
1000
1250
time
GEF_conc
0
2.5