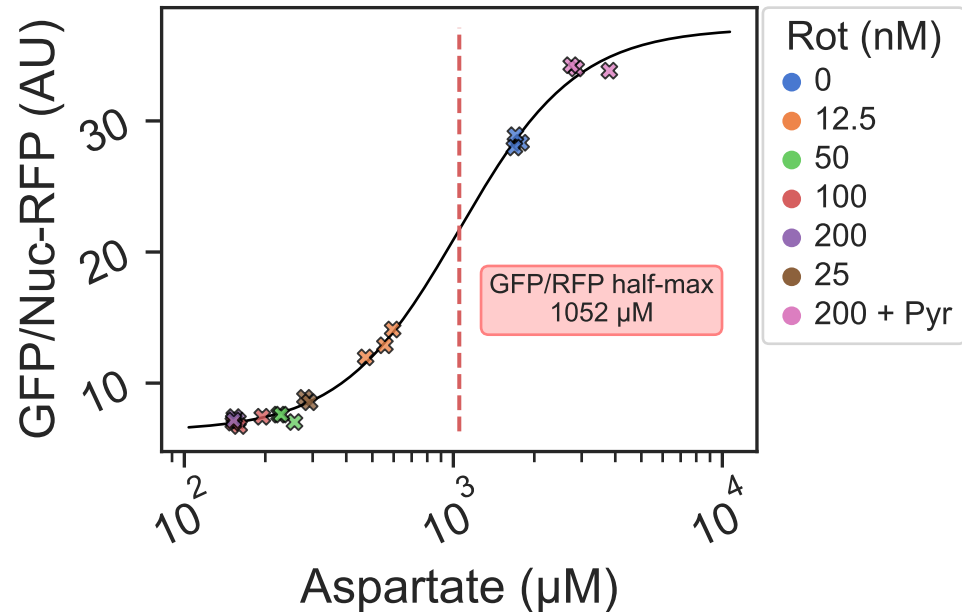


HT1080



GFP/RFP

Met (nM)

- 500000
- 1000000
- 2000000
- 4000000

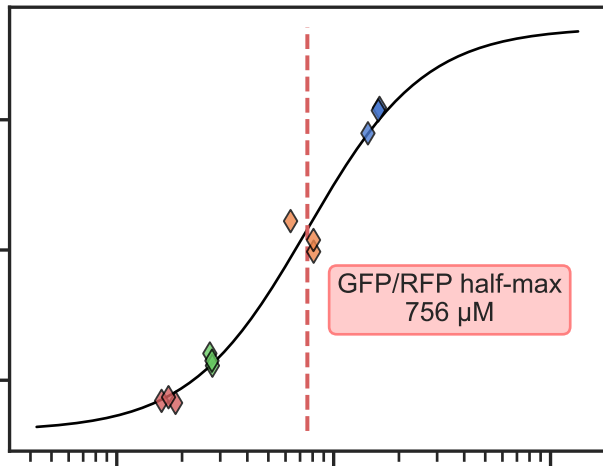
GFP/RFP half-max
756 μ M

10^2

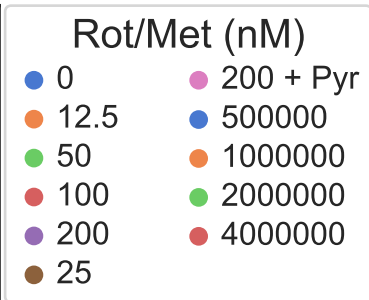
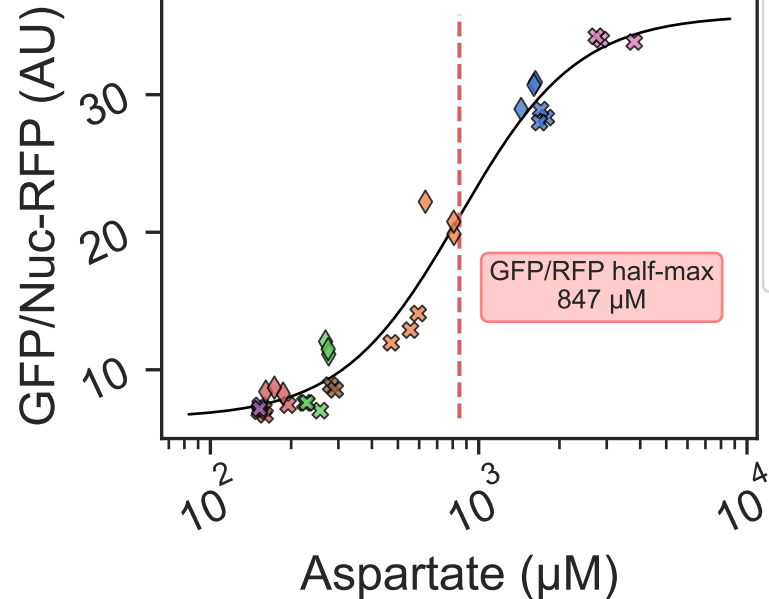
10^3

10^4

Aspartate neg



HT1080



HT1080

GFP/Nuc-RFP (AU)

30

20

10

10^1

2×10^1

3×10^1

4×10^1

6×10^1

Asparagine (μM)

Rot (nM)

0

12.5

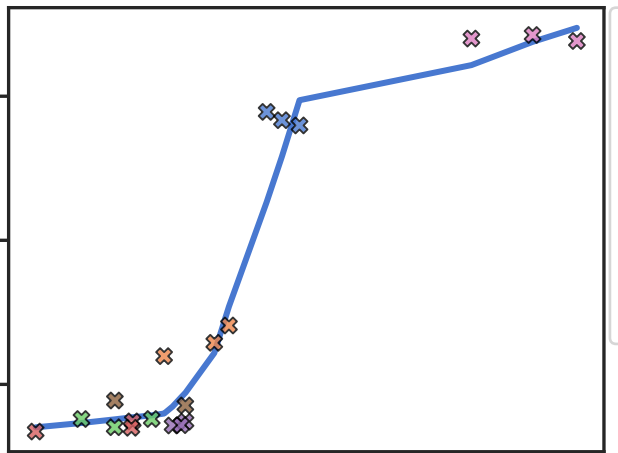
50

100

200

25

200 + Pyr



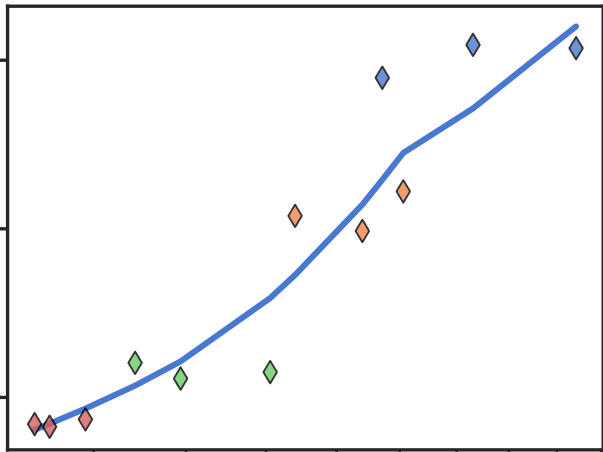
GFP/RFP

Met (nM)

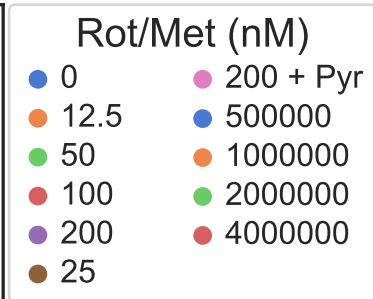
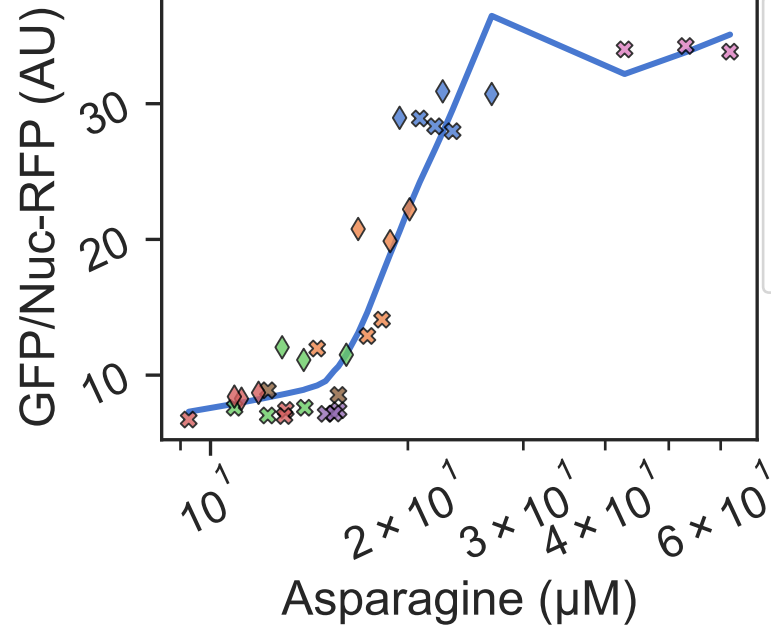
- 500000
- 1000000
- 2000000
- 4000000

1.2×10^1 1.4×10^1 1.6×10^1 1.8×10^1 2×10^1 2.2×10^1 2.4×10^1 2.6×10^1 2.8×10^1 3×10^1

Asparagine pos



HT1080



HT1080

GFP/Nuc-RFP (AU)

30

20

10

2×10^4

3×10^4

4×10^4

Glutamate (μM)

Rot (nM)

0

12.5

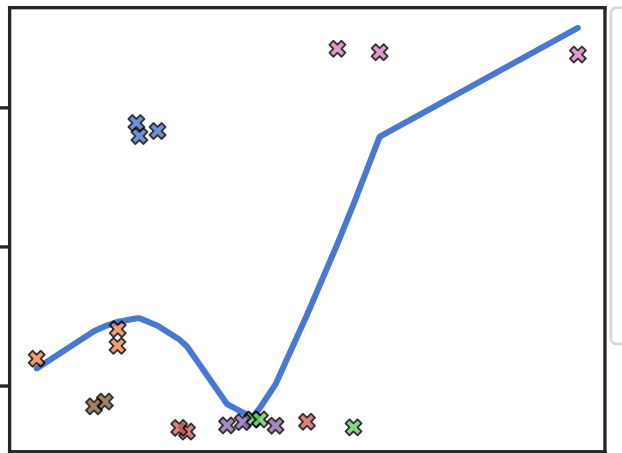
50

100

200

25

200 + Pyr



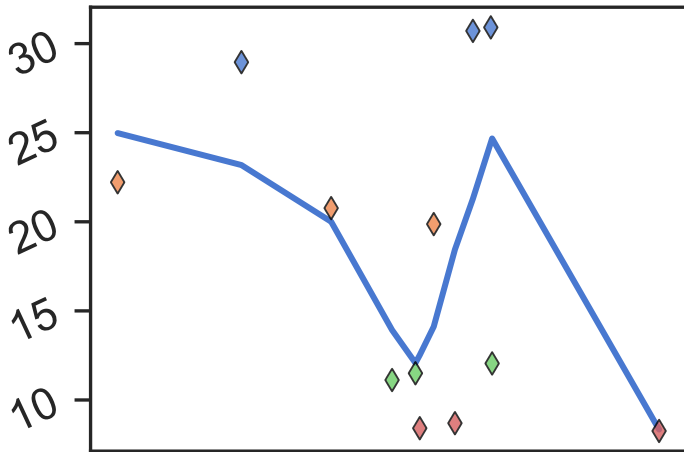
GFP/RFP

Met (nM)

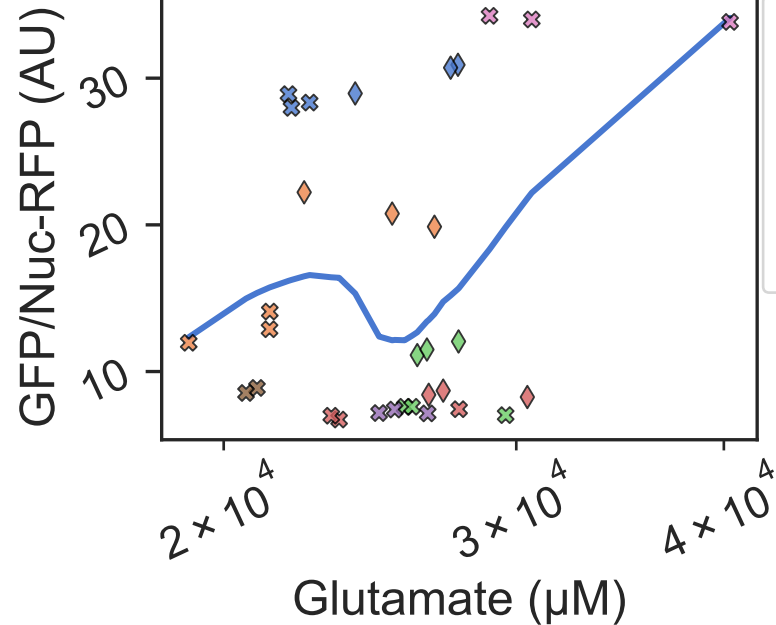
- 500000
- 1000000
- 2000000
- 4000000

2.3×10^{-4}
 2.4×10^{-4}
 2.5×10^{-4}
 2.6×10^{-4}
 2.7×10^{-4}
 2.8×10^{-4}
 2.9×10^{-4}
 3×10^{-4}

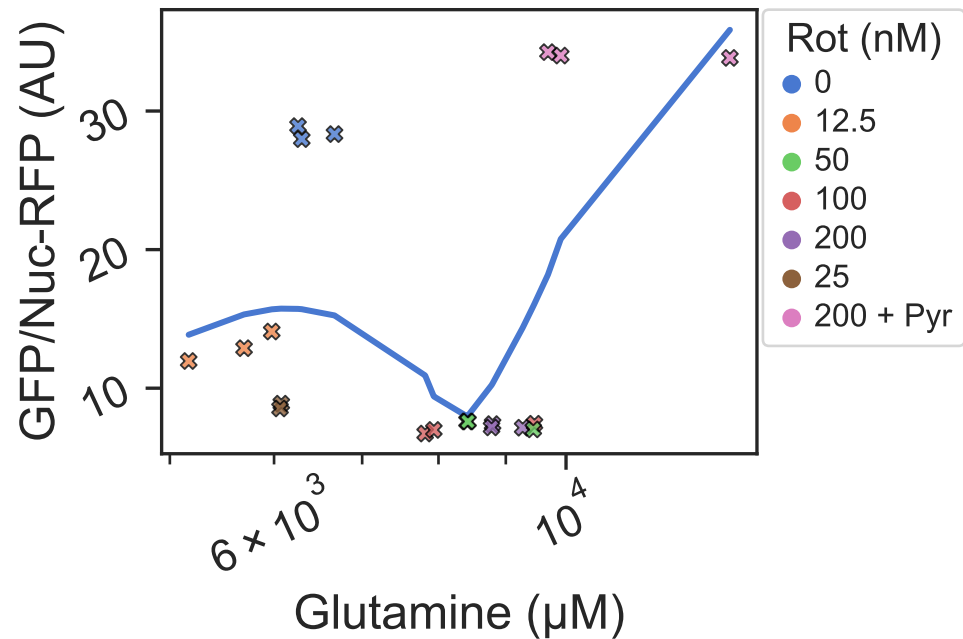
Glutamate neg



HT1080



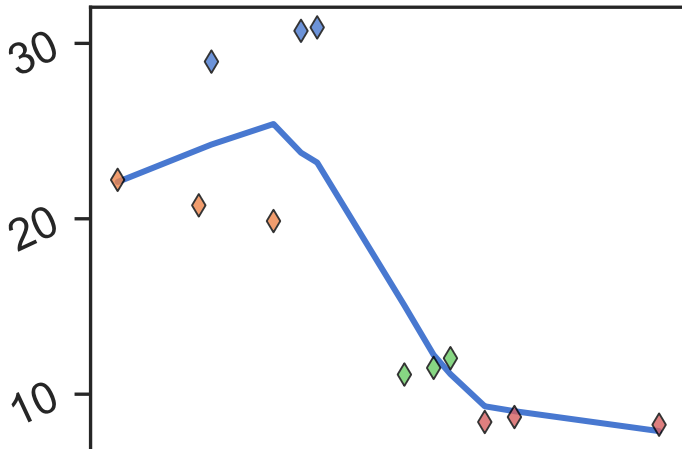
HT1080



GFP/RFP

Met (nM)

- 500000
- 1000000
- 2000000
- 4000000



Glutamine pos

HT1080

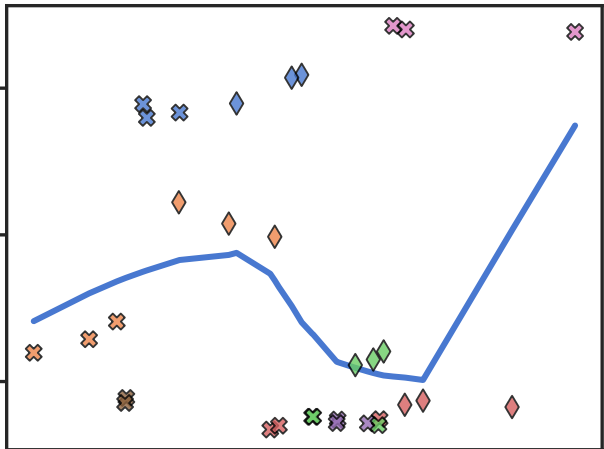
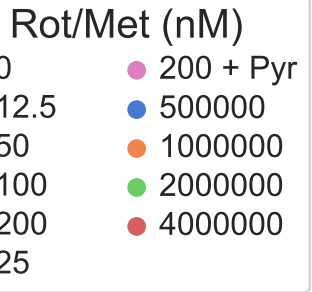
GFP/Nuc-RFP (AU)

30
20
10

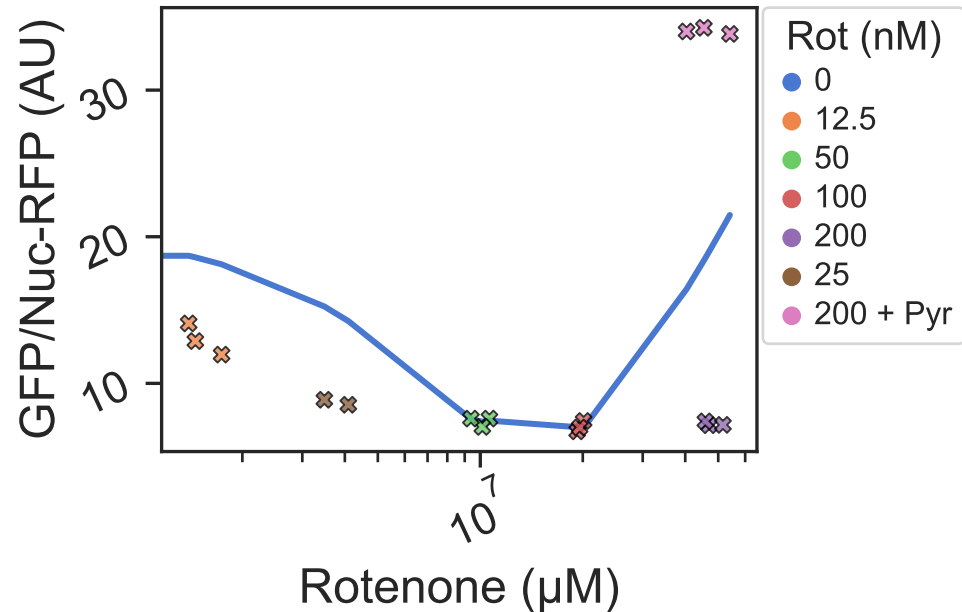
6×10^3

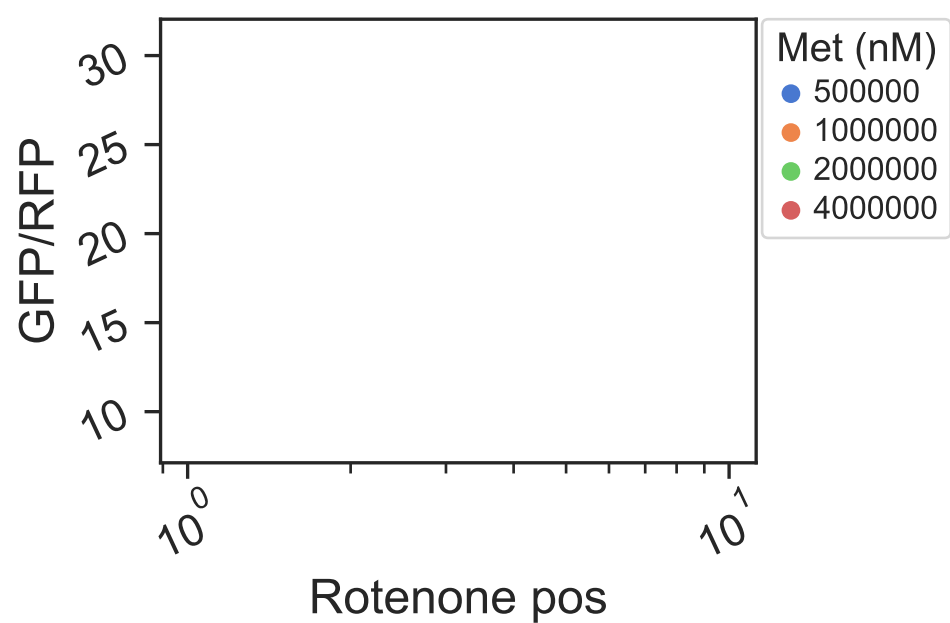
10^4

Glutamine (μM)



HT1080





HT1080

GFP/Nuc-RFP (AU)

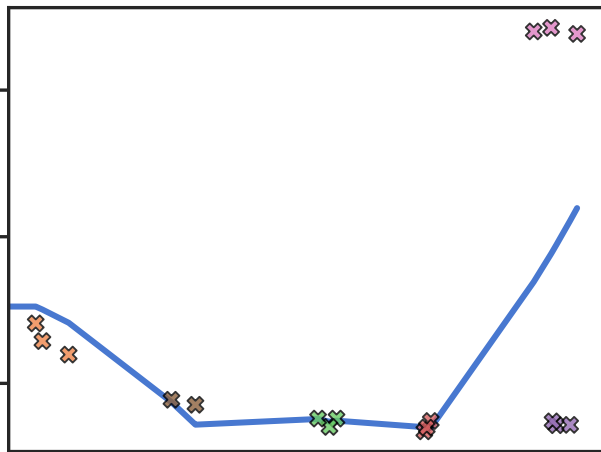
30
20
10

10¹

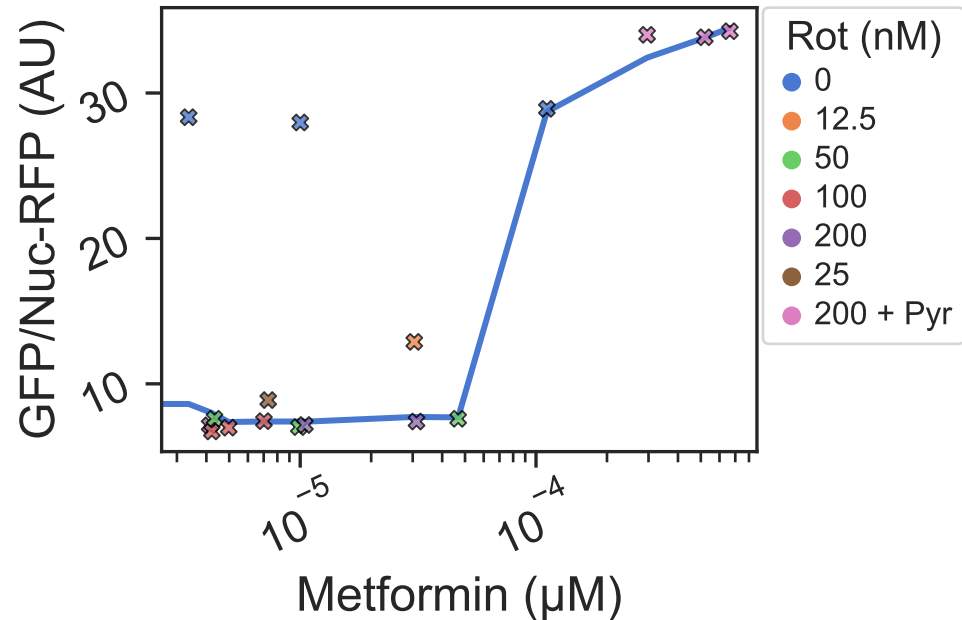
Rotenone (μM)

Rot/Met (nM)

- | | |
|--------|-------------|
| ● 0 | ● 200 + Pyr |
| ● 12.5 | ● 500000 |
| ● 50 | ● 1000000 |
| ● 100 | ● 2000000 |
| ● 200 | ● 4000000 |
| ● 25 | |



HT1080



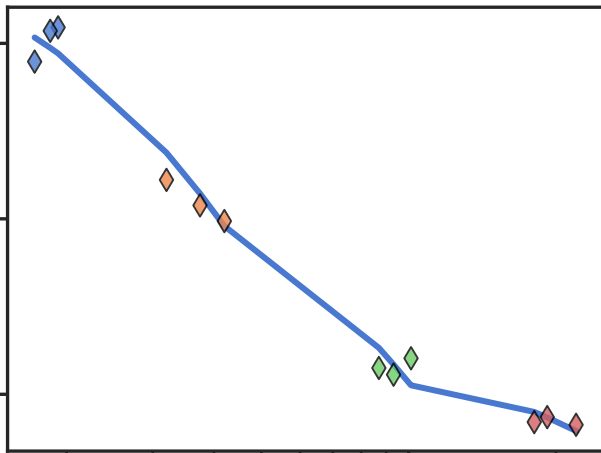
GFP/RFP

Met (nM)

- 500000
- 1000000
- 2000000
- 4000000

10¹

Metformin pos



HT1080

GFP/Nuc-RFP (AU)

30

20

10

10^{-4}

10^{-2}

10^0

Metformin (μM)

Rot/Met (nM)

0

12.5

50

100

200

25

200 + Pyr

500000

1000000

2000000

4000000

