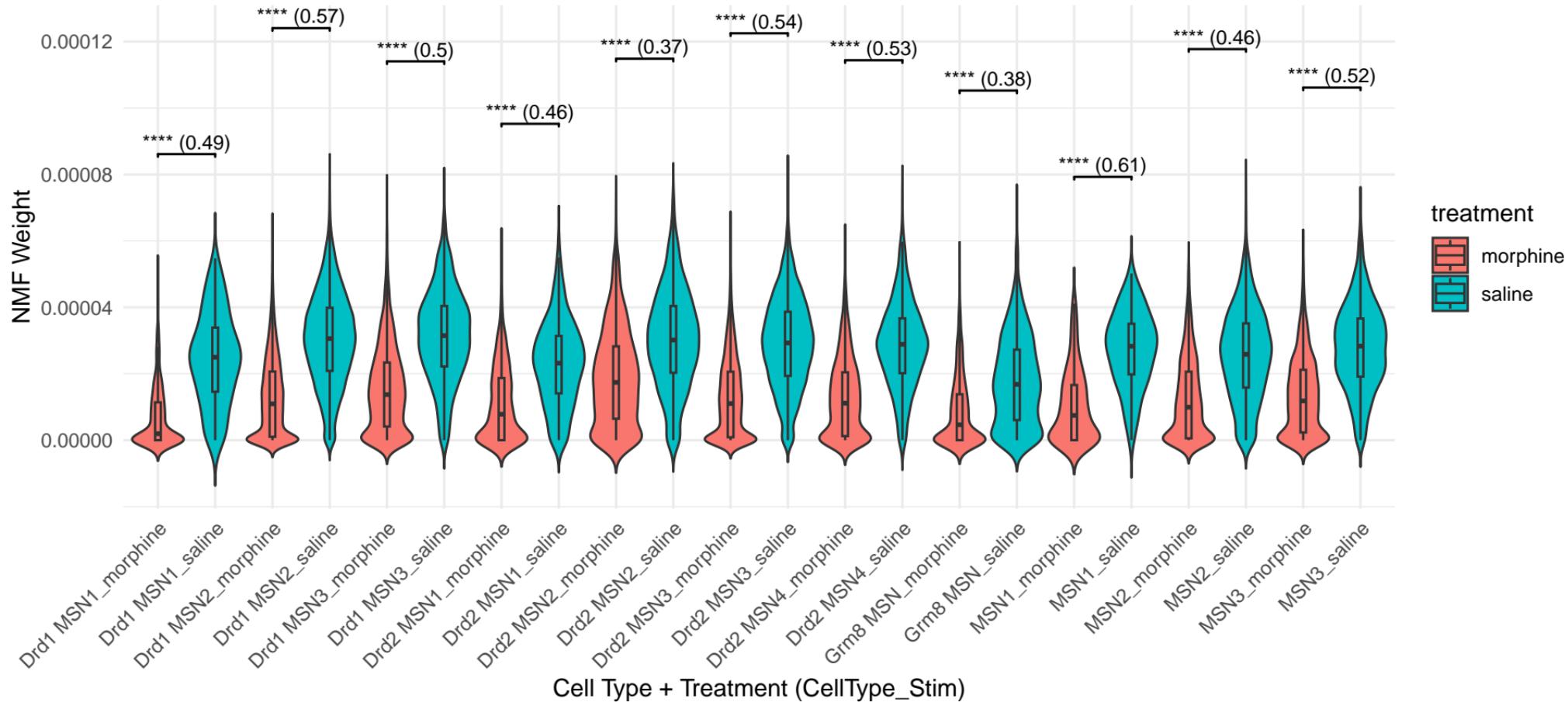


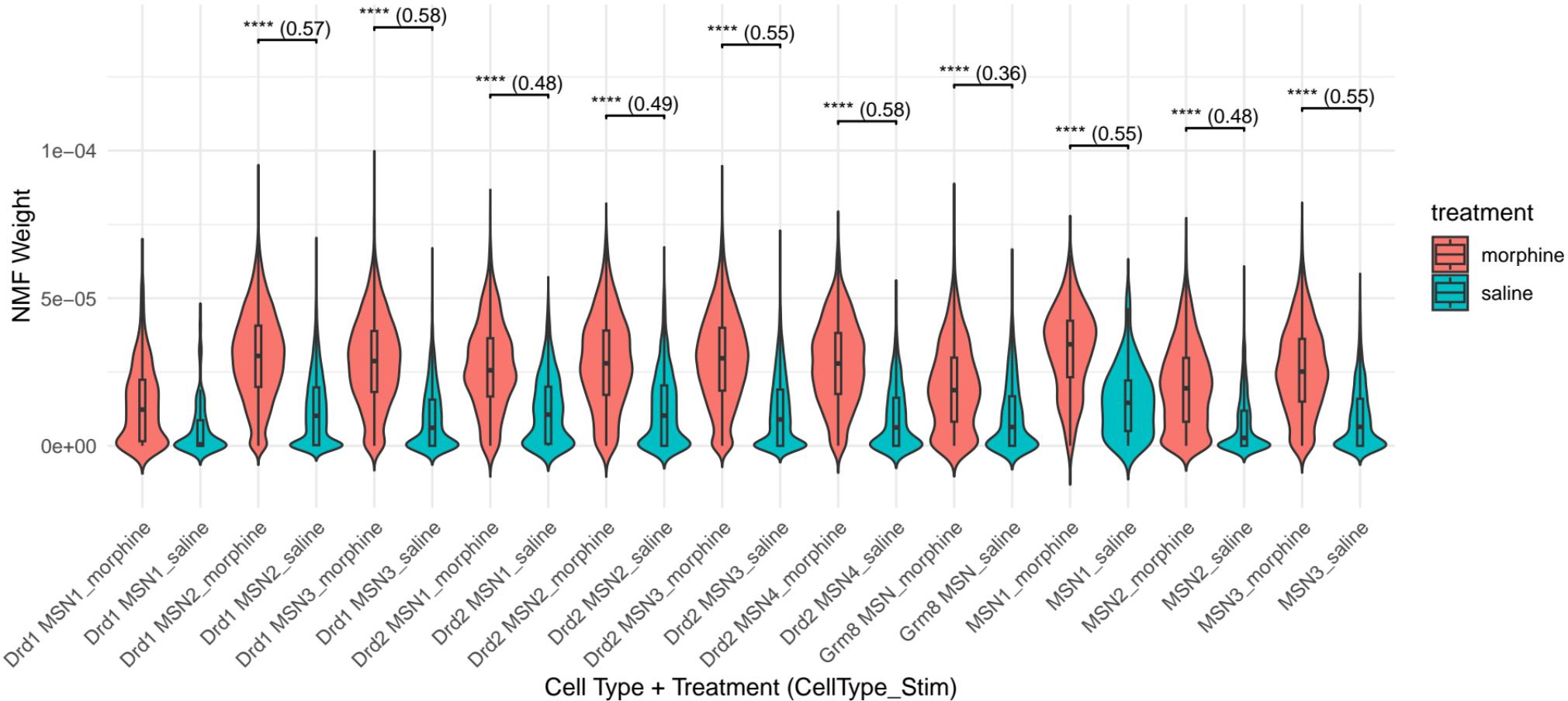
# NMF Component: nmf27

Significance: \*, \*\*, \*\*\* with effect size



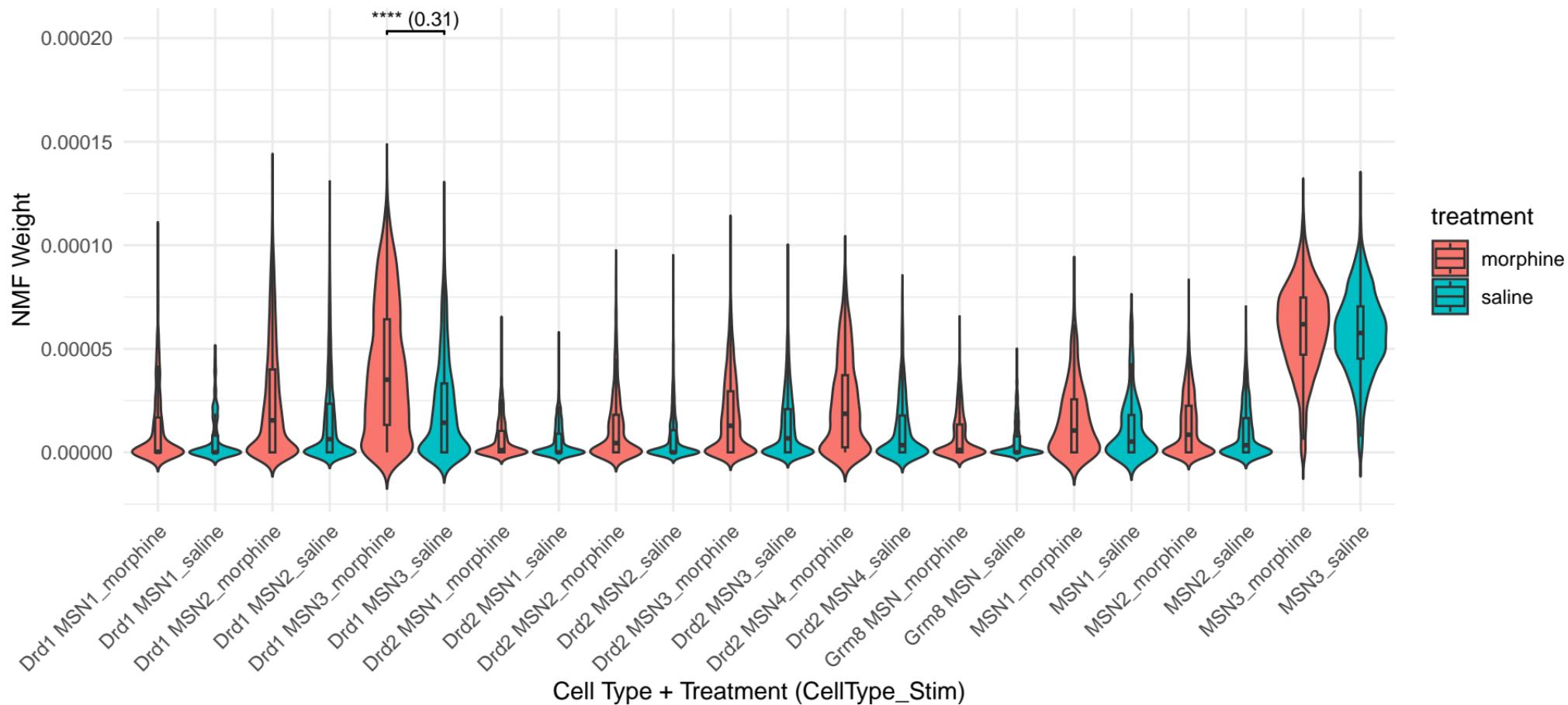
# NMF Component: nmf16

Significance: \*, \*\*, \*\*\* with effect size



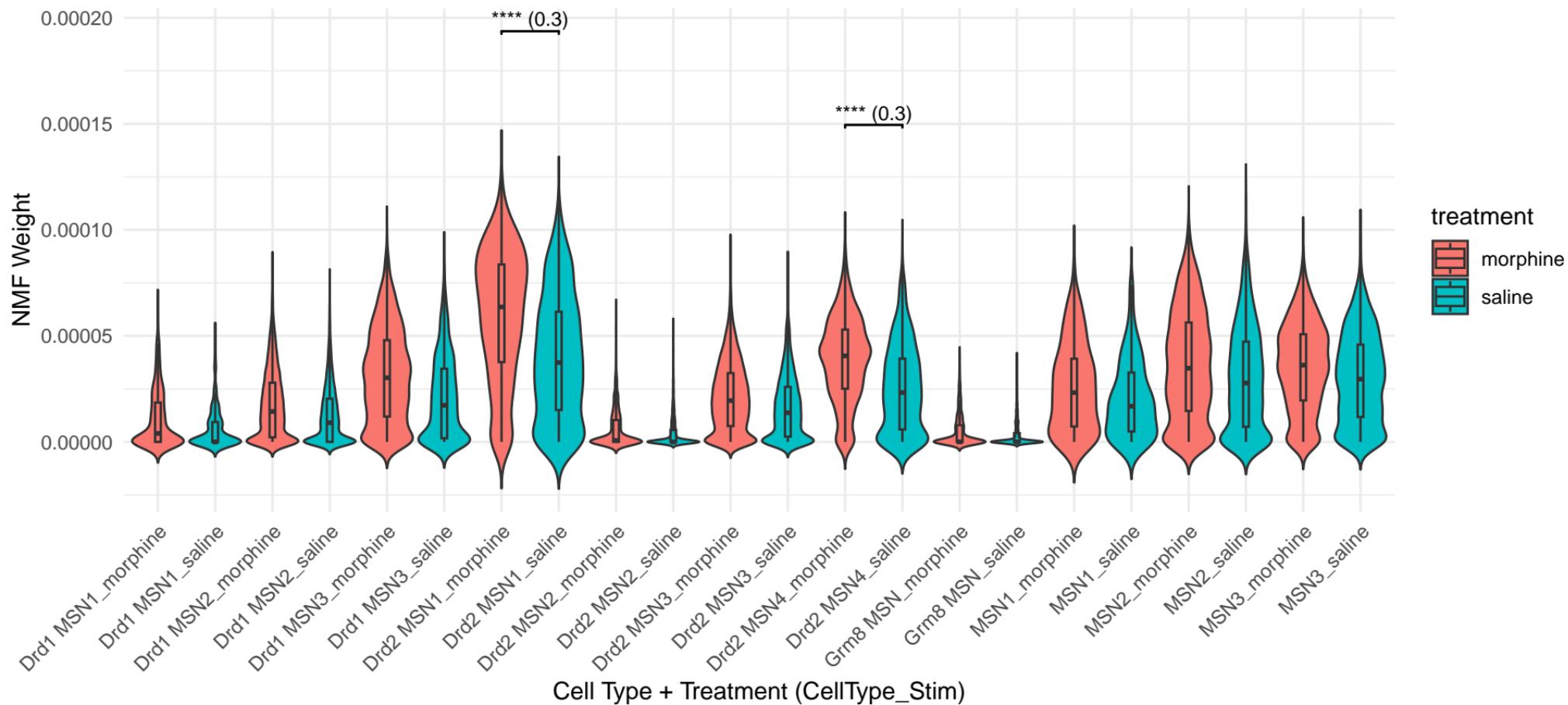
# NMF Component: nmf22

Significance: \*, \*\*, \*\*\* with effect size



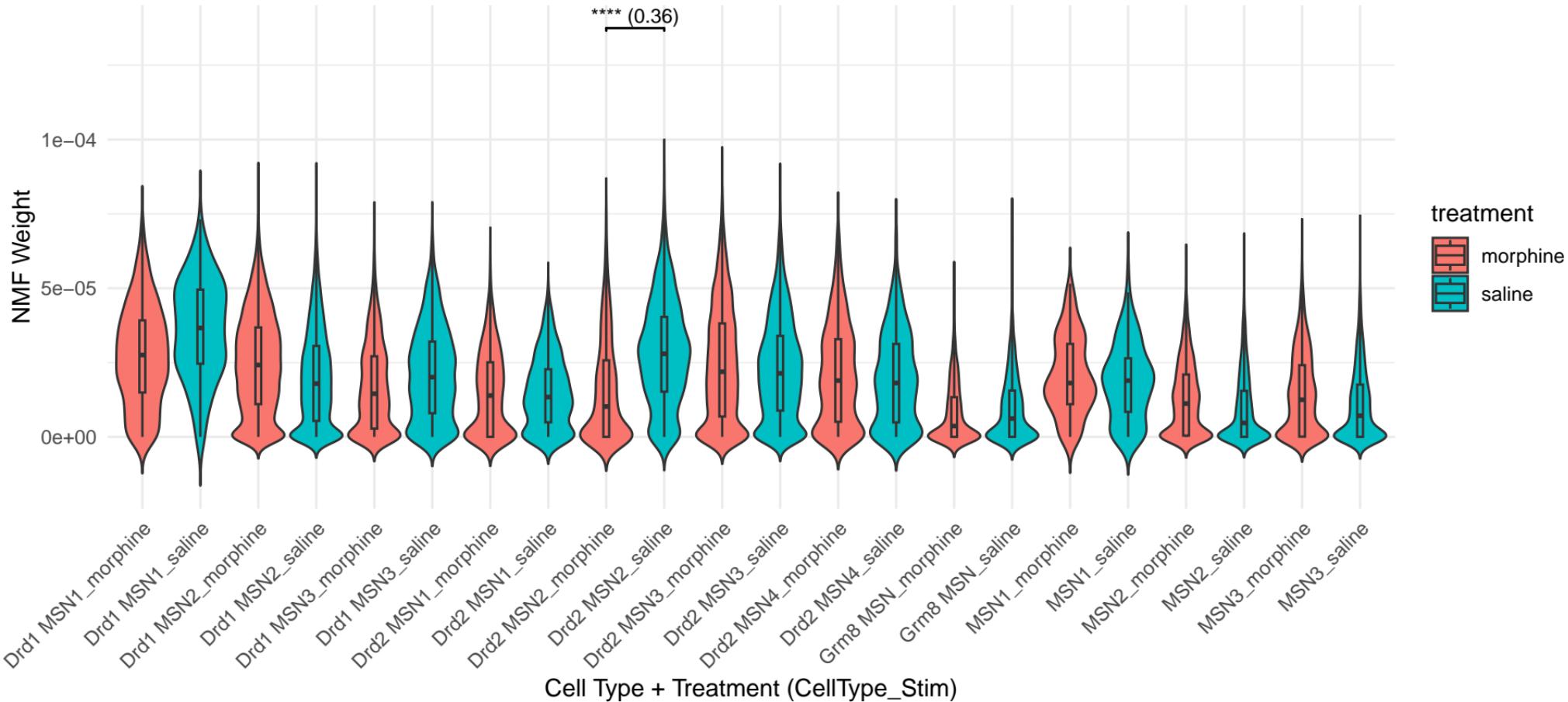
# NMF Component: nmf11

Significance: \*, \*\*, \*\*\* with effect size



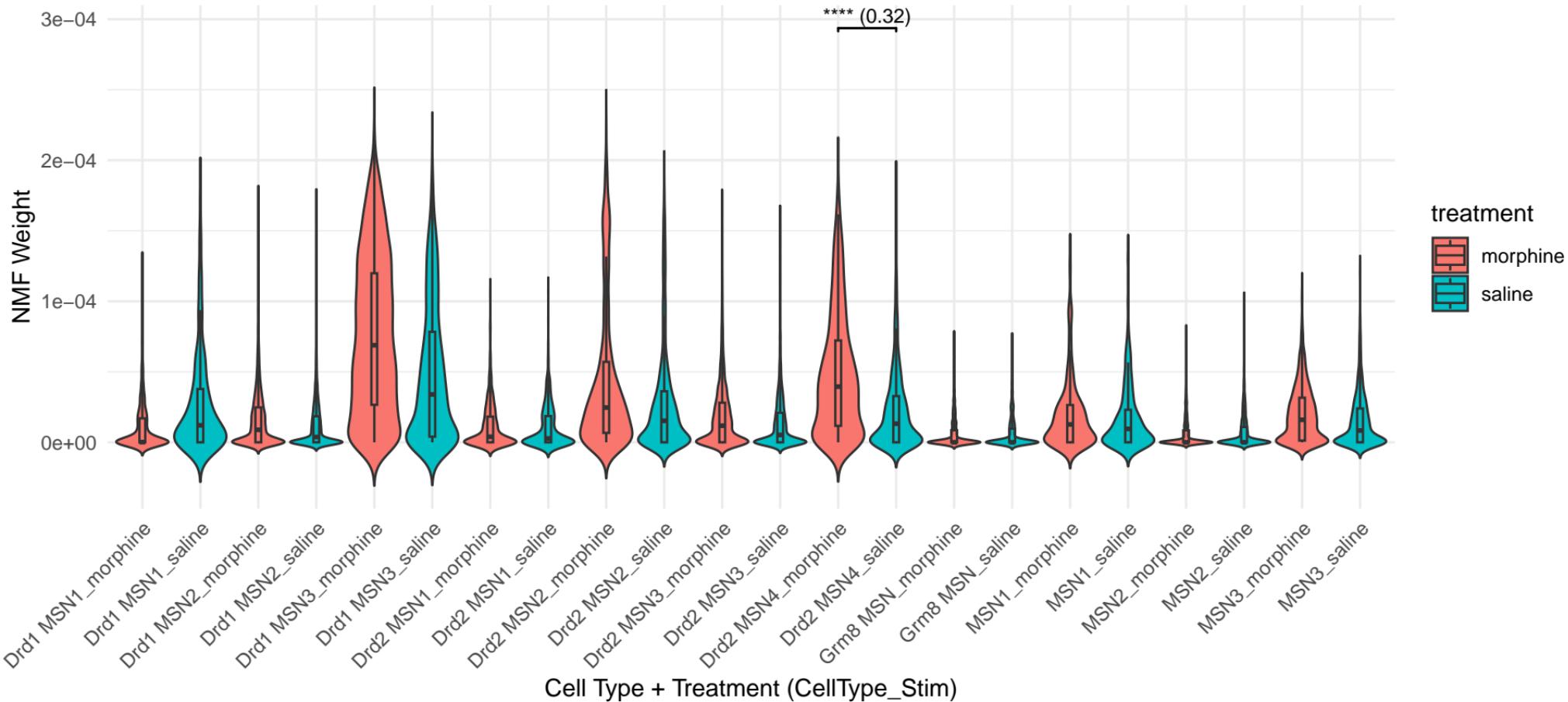
# NMF Component: nmf20

Significance: \*, \*\*, \*\*\* with effect size



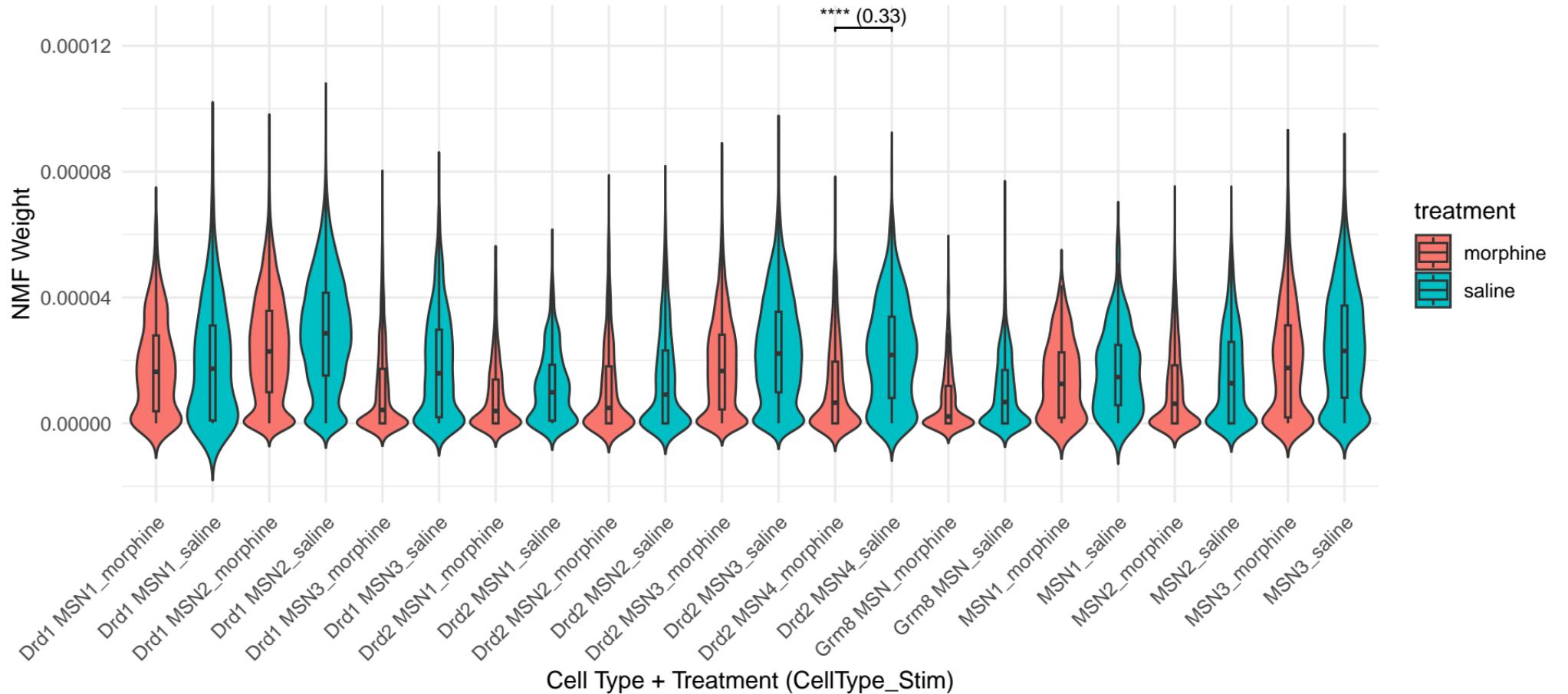
# NMF Component: nmf31

Significance: \*, \*\*, \*\*\* with effect size



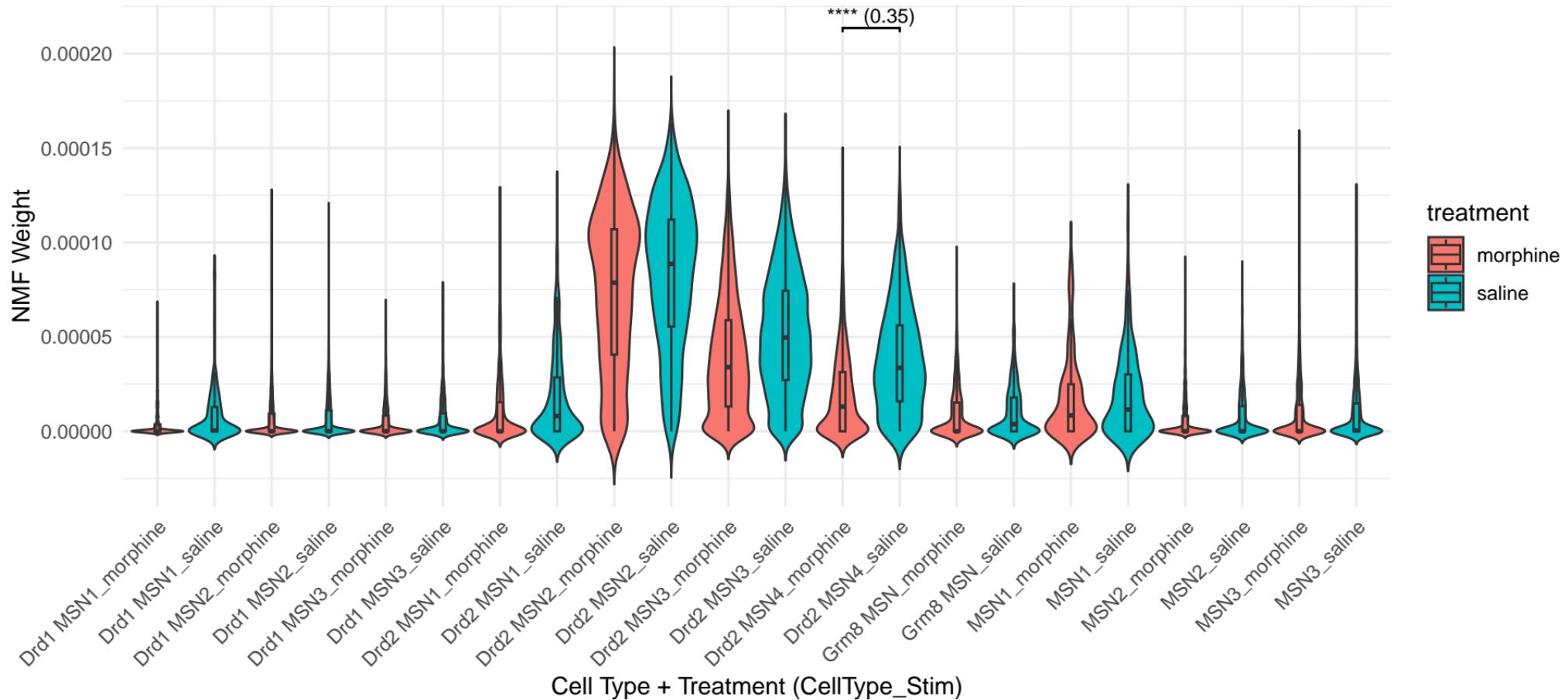
# NMF Component: nmf36

Significance: \*, \*\*, \*\*\* with effect size



# NMF Component: nmf40

Significance: \*, \*\*, \*\*\* with effect size



# NMF Component: nmf1

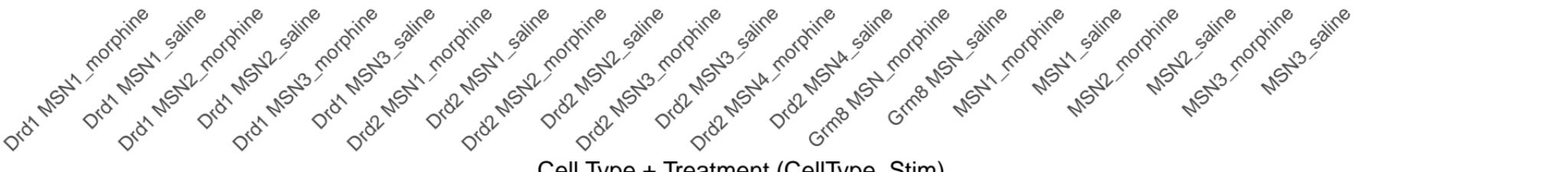
Not significant

NMF Weight

4e-05

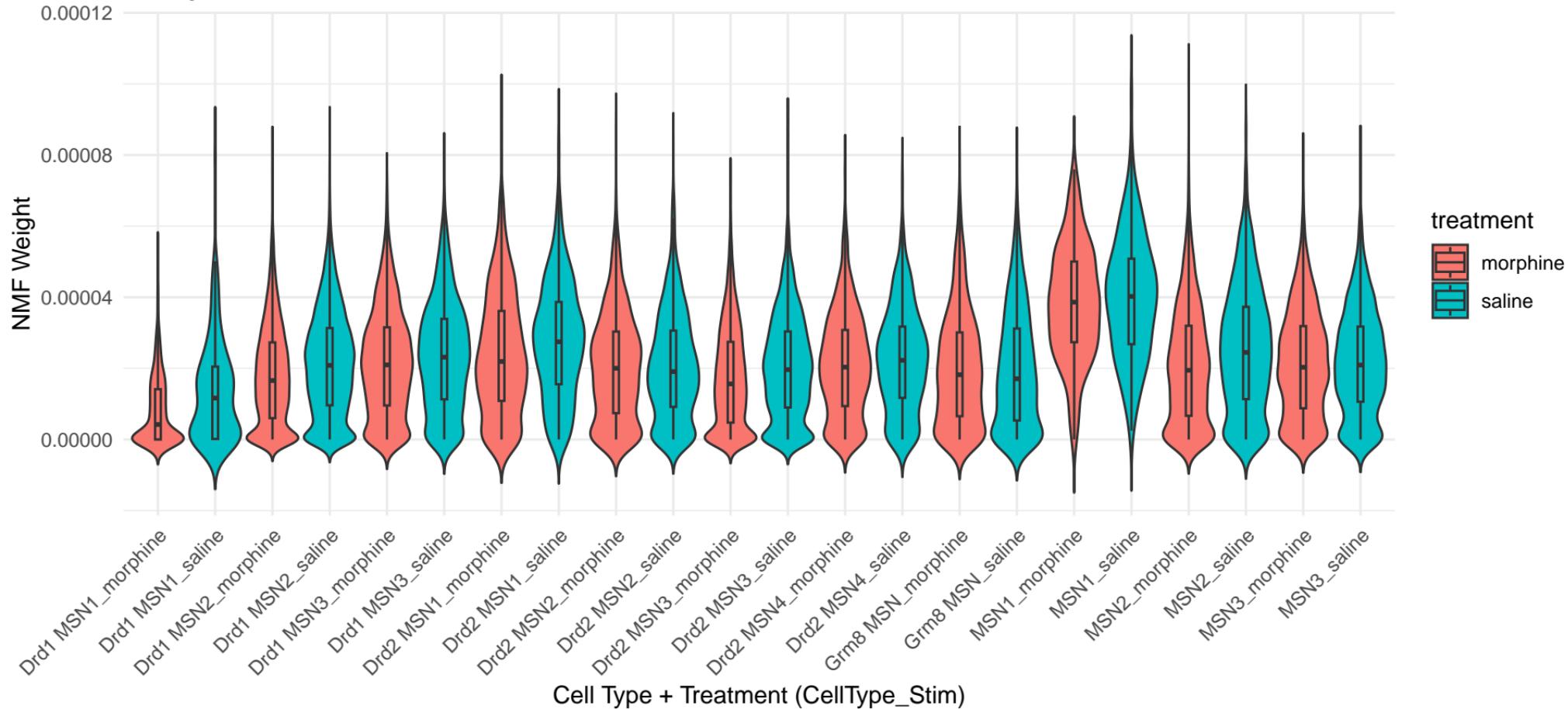
2e-05

0e+00



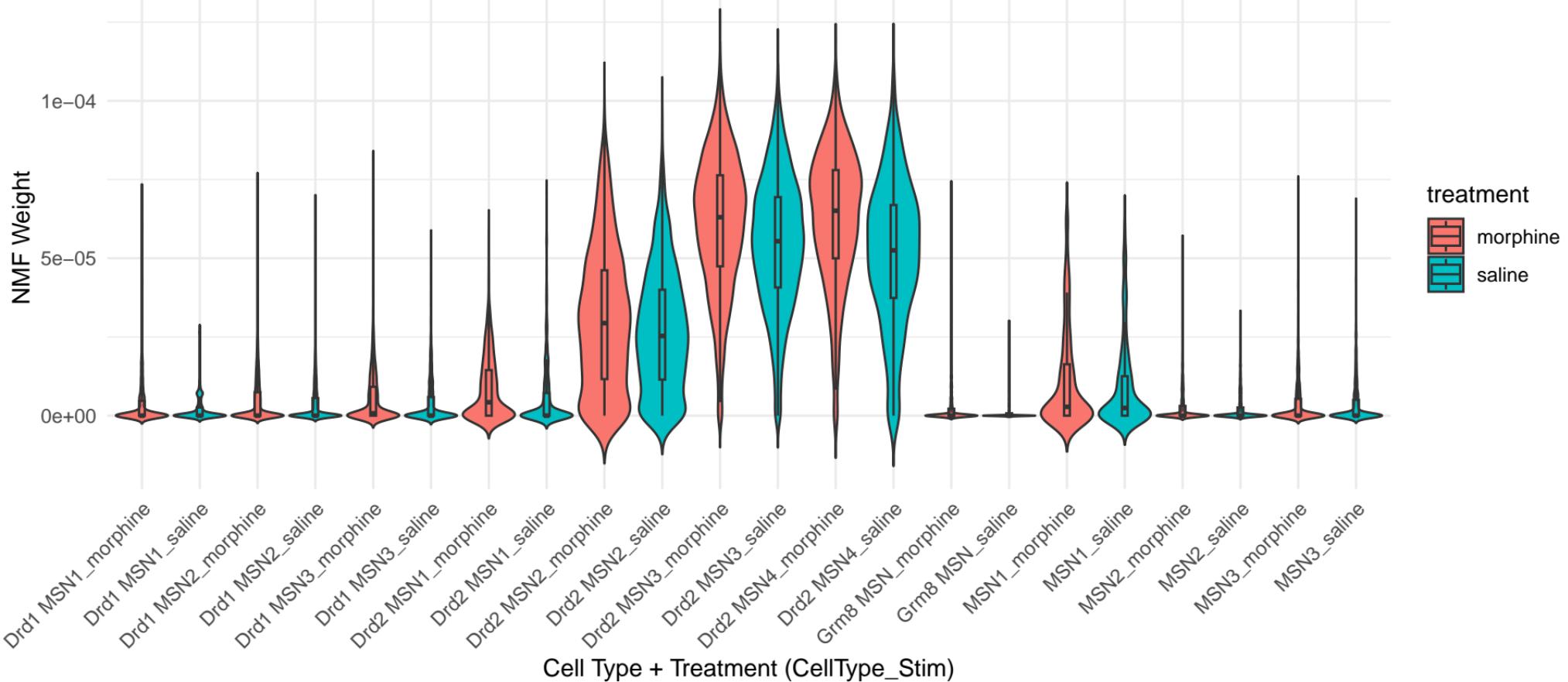
# NMF Component: nmf2

Not significant



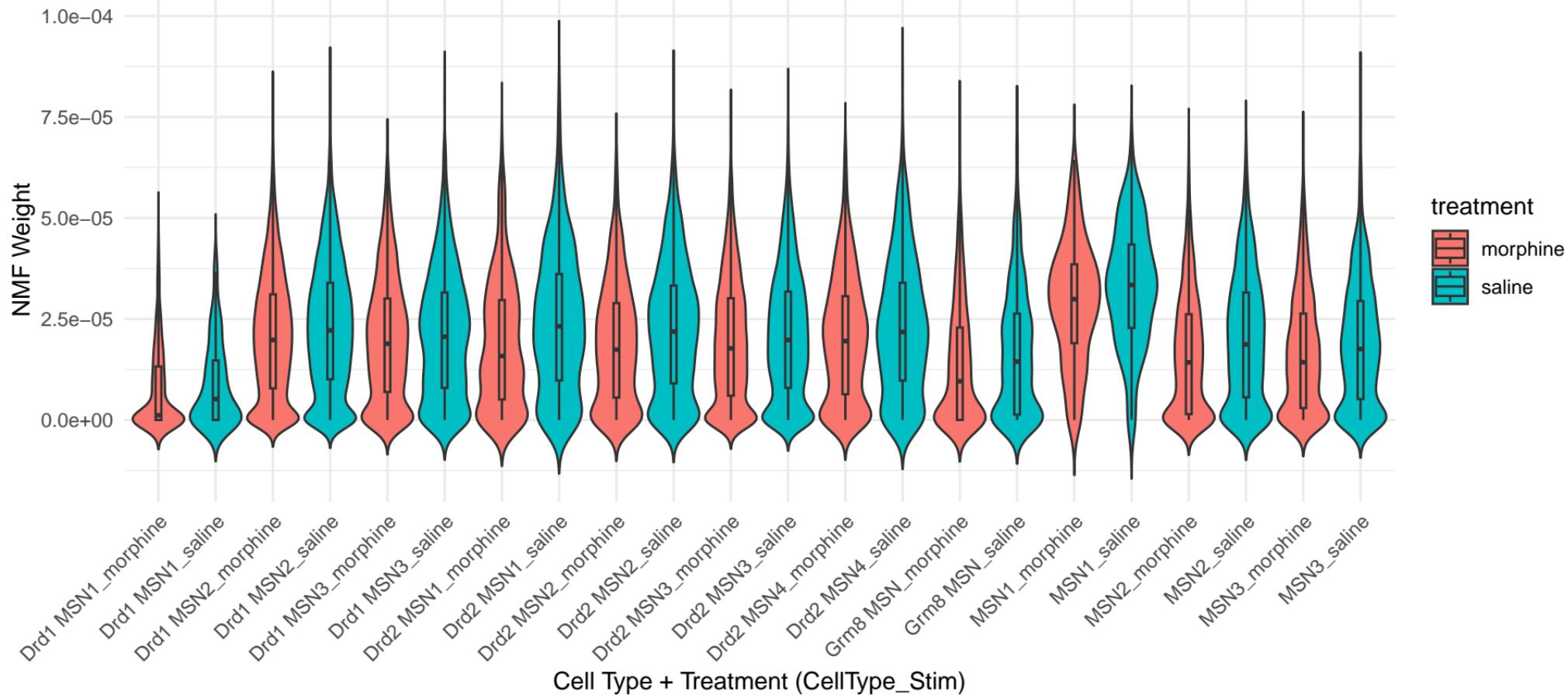
# NMF Component: nmf3

Not significant



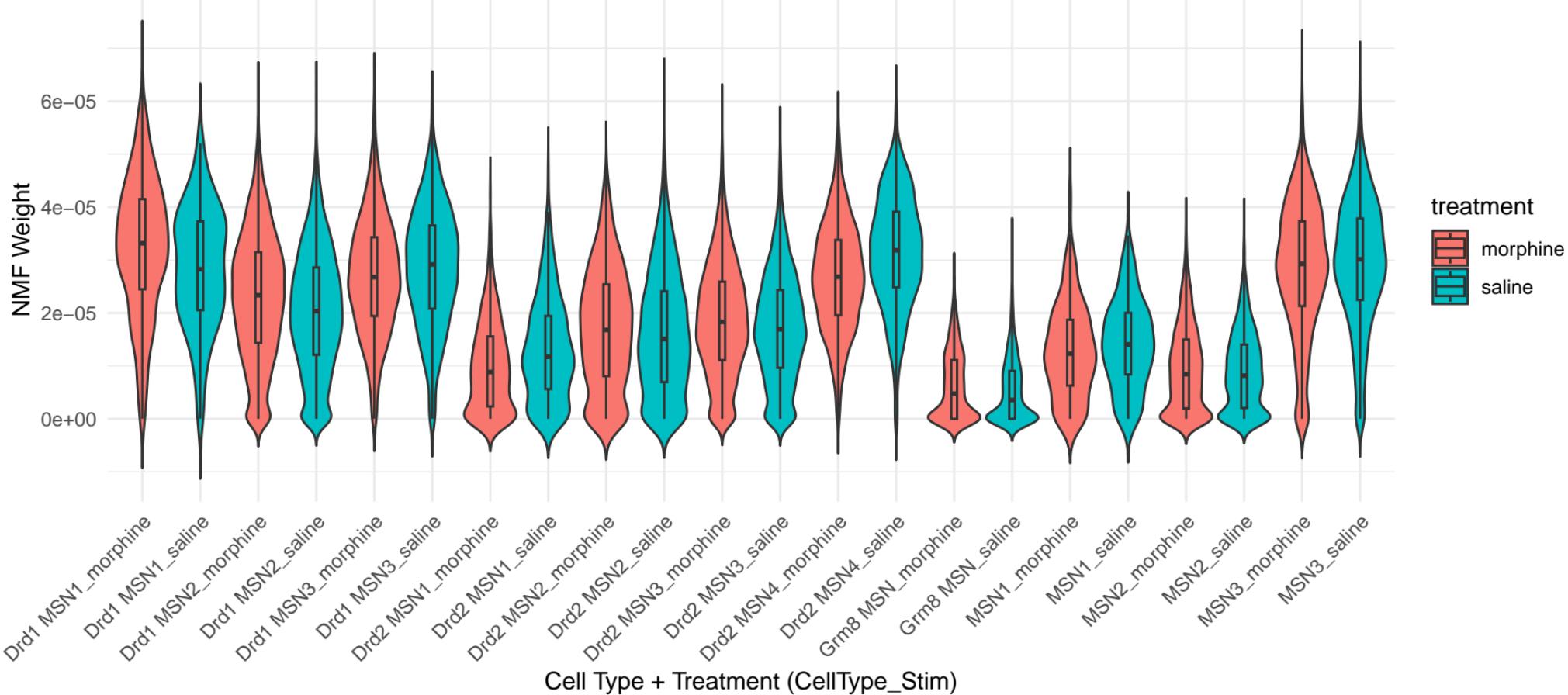
# NMF Component: nmf4

Not significant



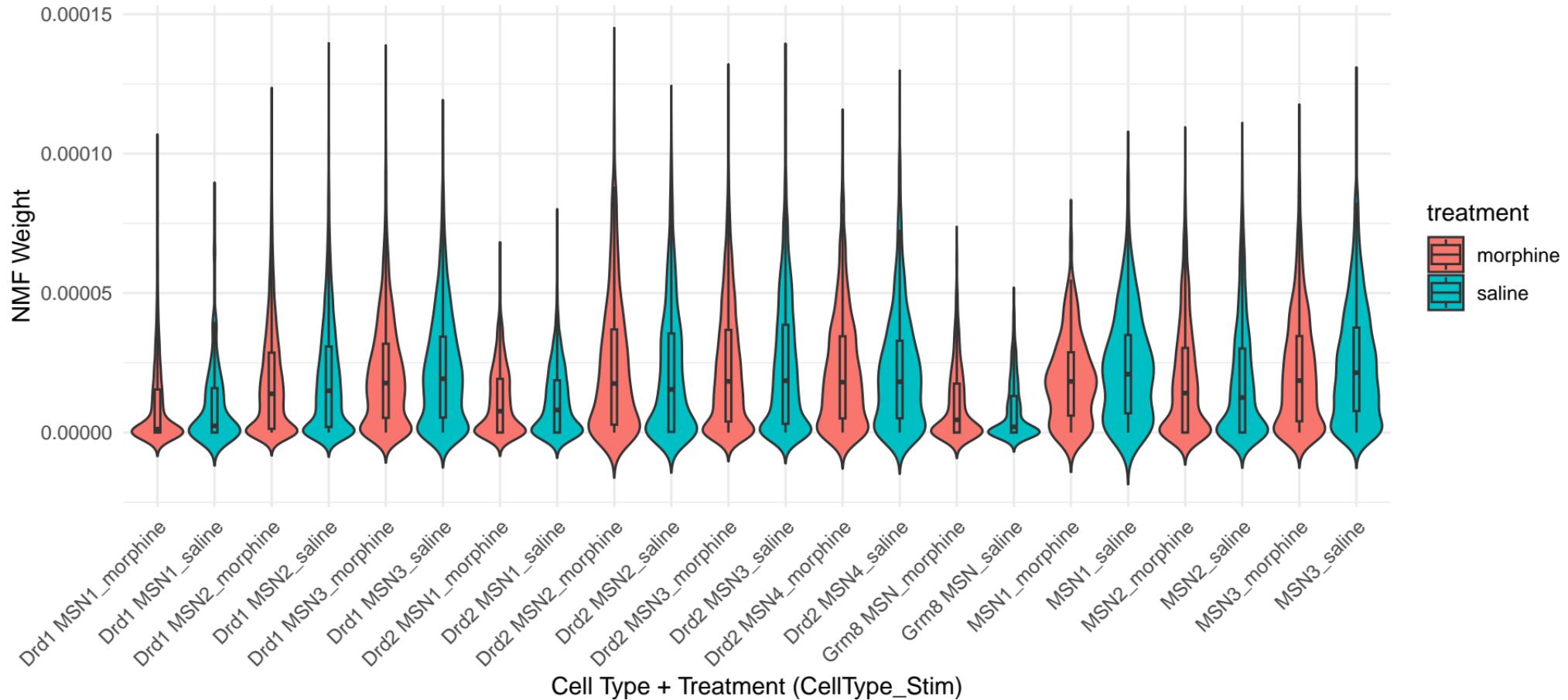
# NMF Component: nmf5

Not significant



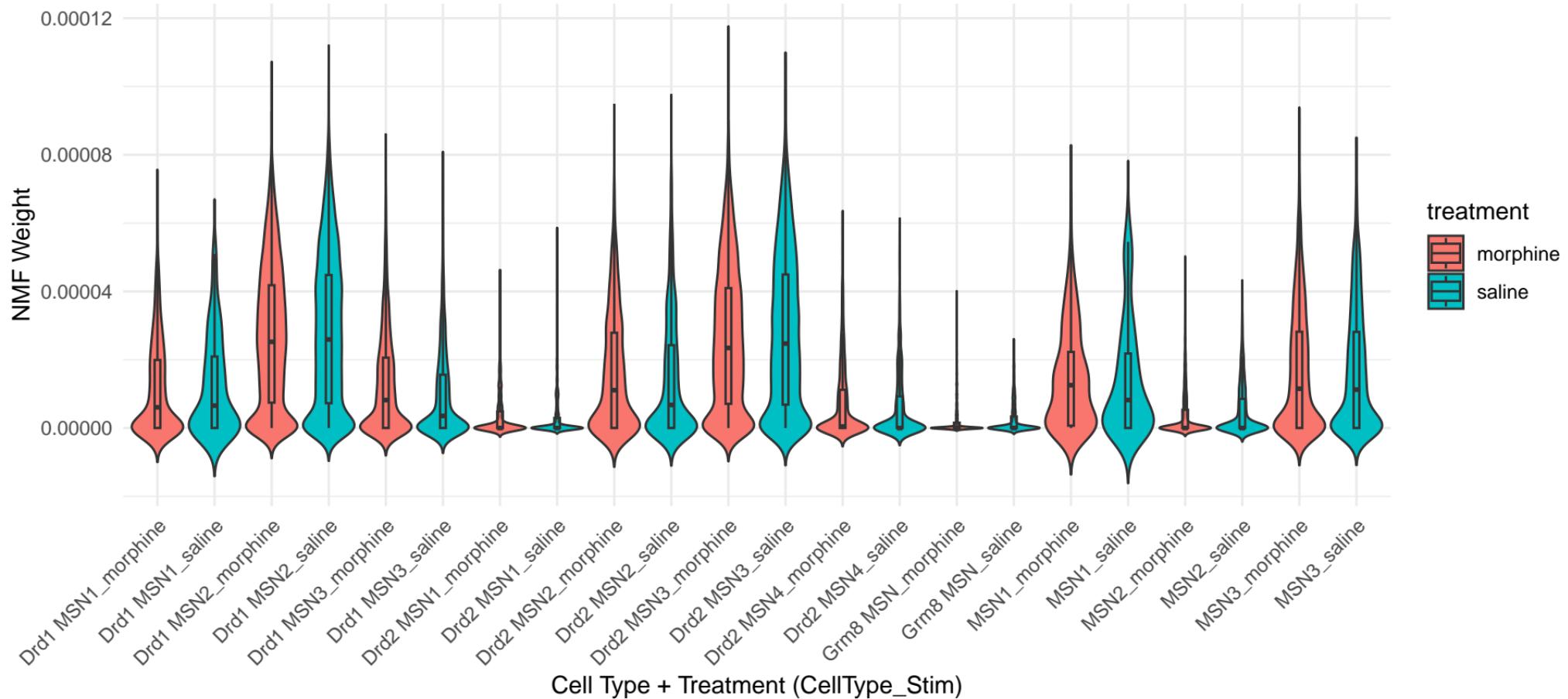
# NMF Component: nmf6

Not significant



# NMF Component: nmf7

Not significant



# NMF Component: nmf8

Not significant

NMF Weight

1e-04

5e-05

0e+00

treatment

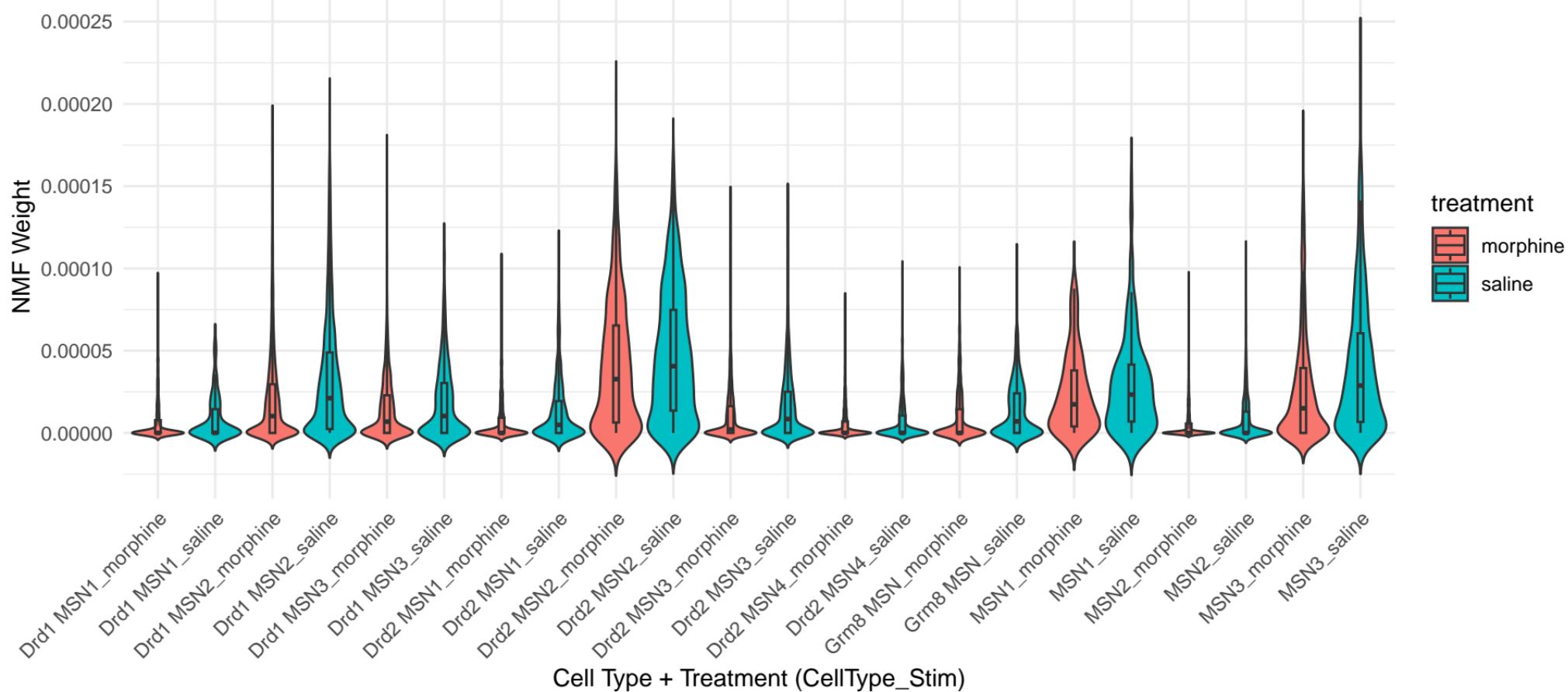
morphine  
saline

Drd1 MSN1\_morphine  
Drd1 MSN1\_saline  
Drd1 MSN2\_morphine  
Drd1 MSN2\_saline  
Drd1 MSN3\_morphine  
Drd1 MSN3\_saline  
Drd2 MSN1\_morphine  
Drd2 MSN1\_saline  
Drd2 MSN2\_morphine  
Drd2 MSN2\_saline  
Drd2 MSN3\_morphine  
Drd2 MSN3\_saline  
Drd2 MSN4\_morphine  
Drd2 MSN4\_saline  
Grm8 MSN\_morphine  
MSN1\_morphine  
MSN1\_saline  
MSN2\_morphine  
MSN2\_saline  
MSN3\_morphine  
MSN3\_saline

Cell Type + Treatment (CellType\_Stim)

# NMF Component: nmf9

Not significant



# NMF Component: nmf10

Not significant

NMF Weight

1e-04

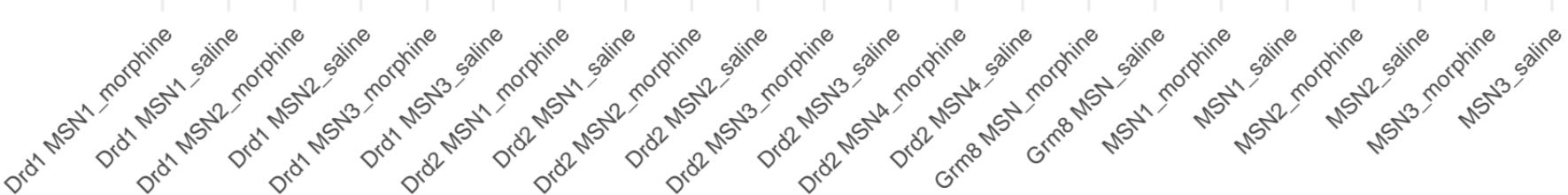
5e-05

0e+00

treatment

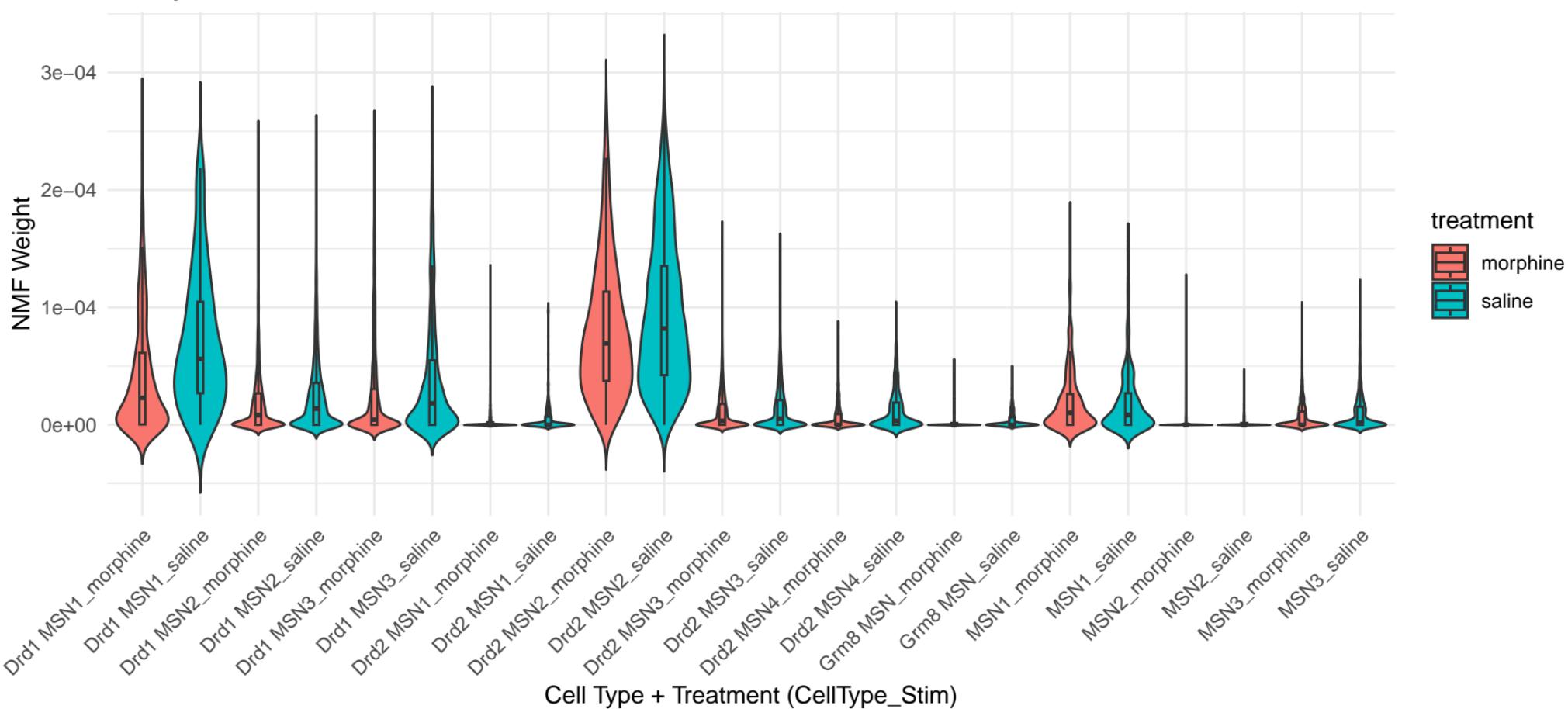
morphine

saline



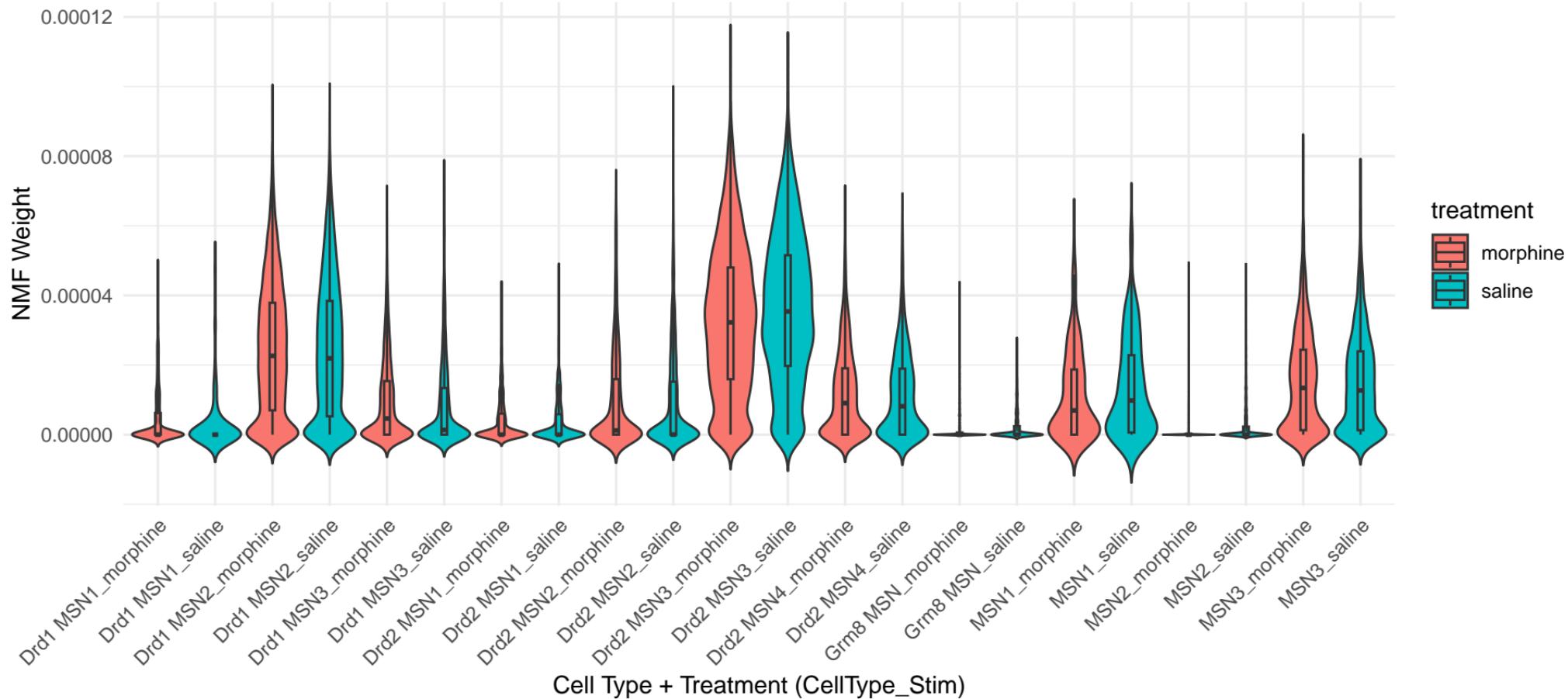
# NMF Component: nmf12

Not significant



# NMF Component: nmf13

Not significant



# NMF Component: nmf14

Not significant

NMF Weight

3e-04

2e-04

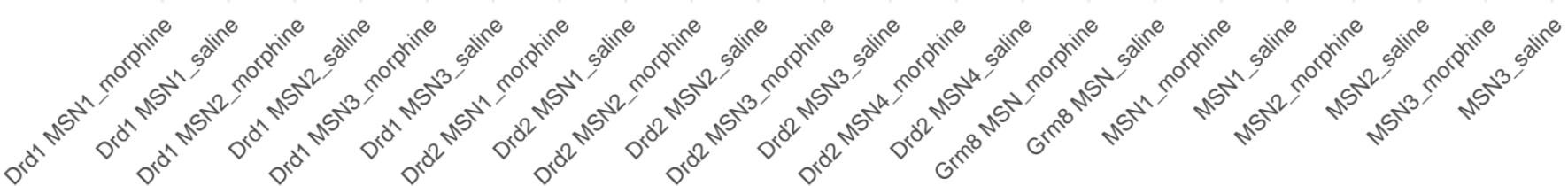
1e-04

0e+00

treatment

morphine

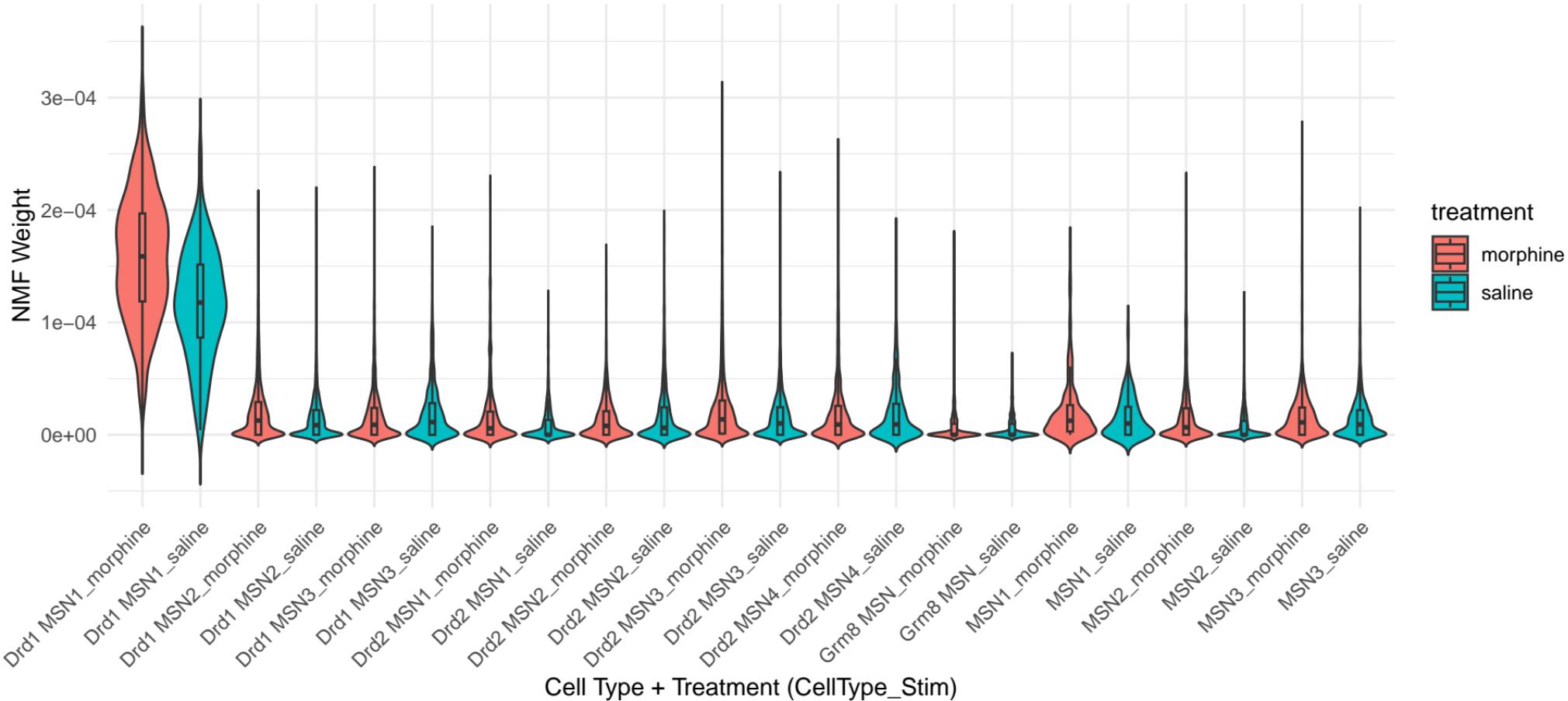
saline



Cell Type + Treatment (CellType\_Stim)

# NMF Component: nmf15

Not significant



# NMF Component: nmf17

Not significant

NMF Weight

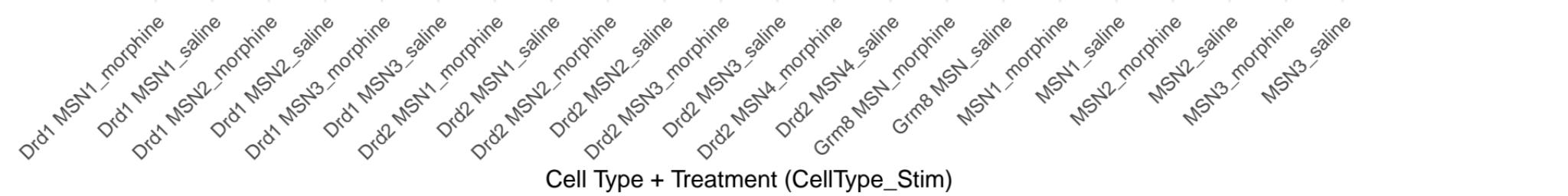
0.00012

0.00008

0.00004

0.00000

treatment  
morphine  
saline



# NMF Component: nmf18

Not significant

NMF Weight

0.00020

0.00015

0.00010

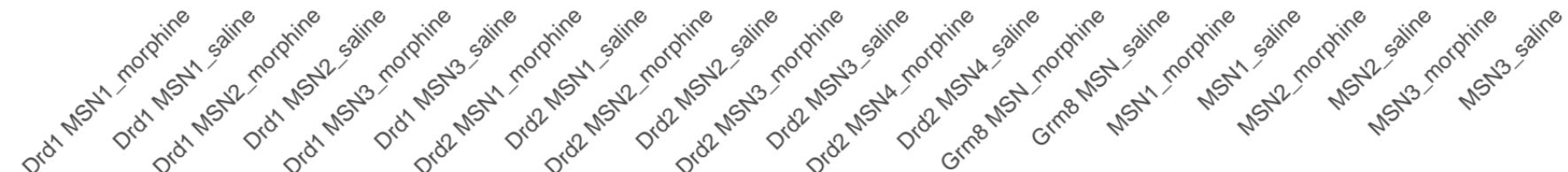
0.00005

0.00000

treatment

morphine

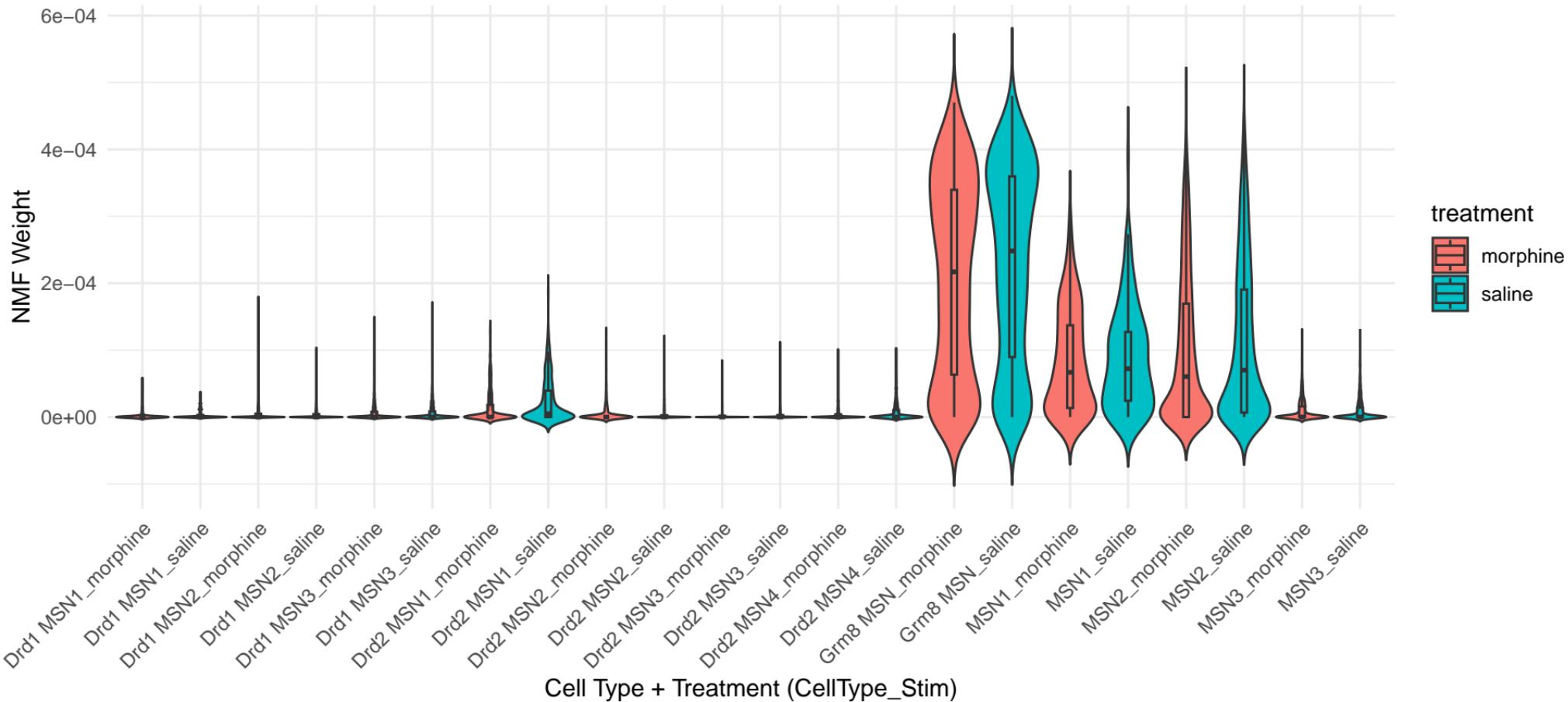
saline



Cell Type + Treatment (CellType\_Stim)

# NMF Component: nmf19

Not significant



## NMF Component: nmf21

Not significant

NMF Weight

0.00020

0.00015

0.00010

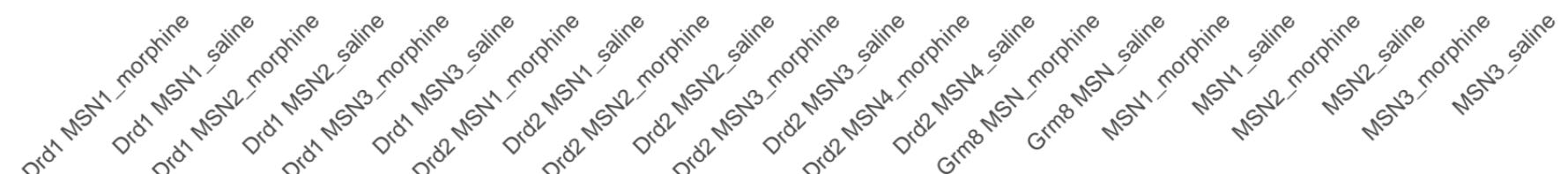
0.00005

0.00000

treatment

morphine

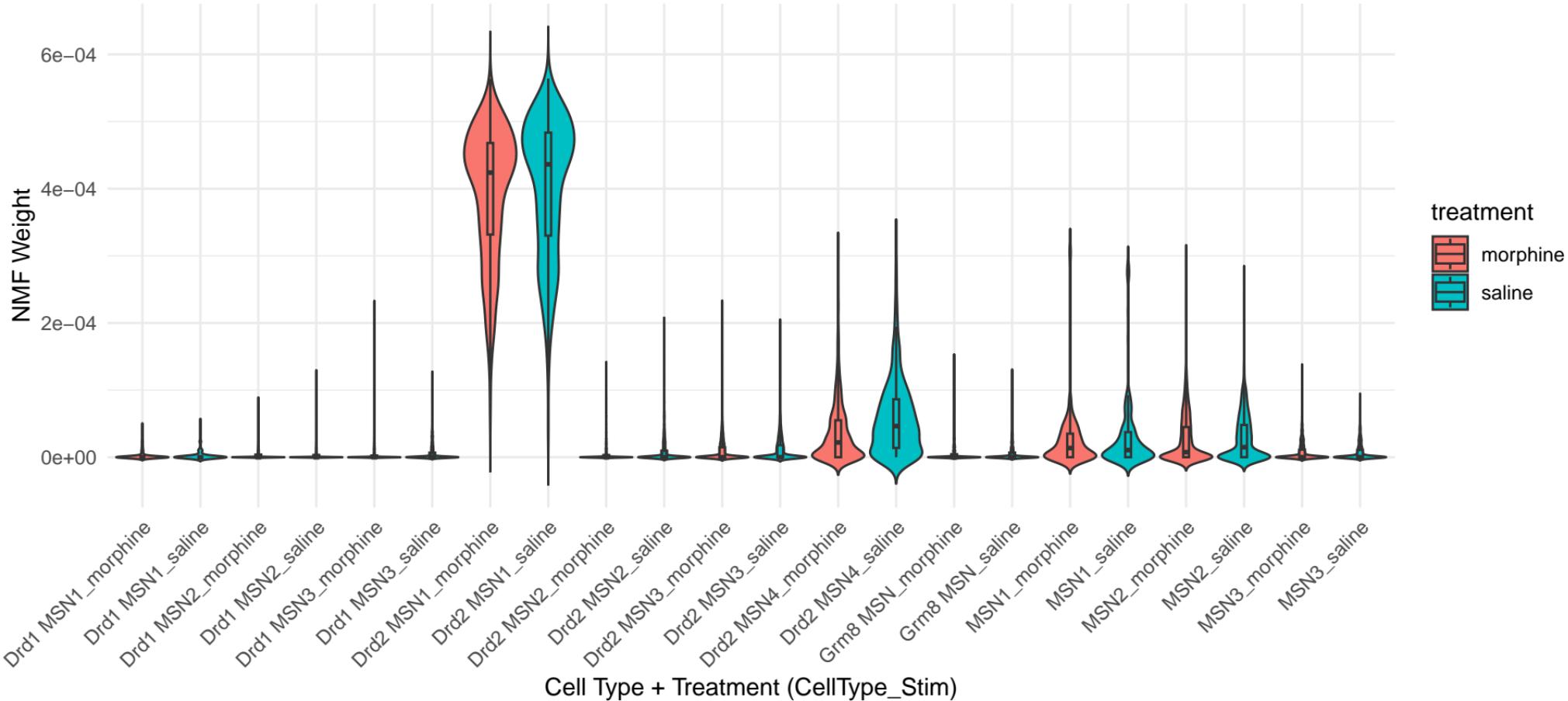
saline



Cell Type + Treatment (CellType\_Stim)

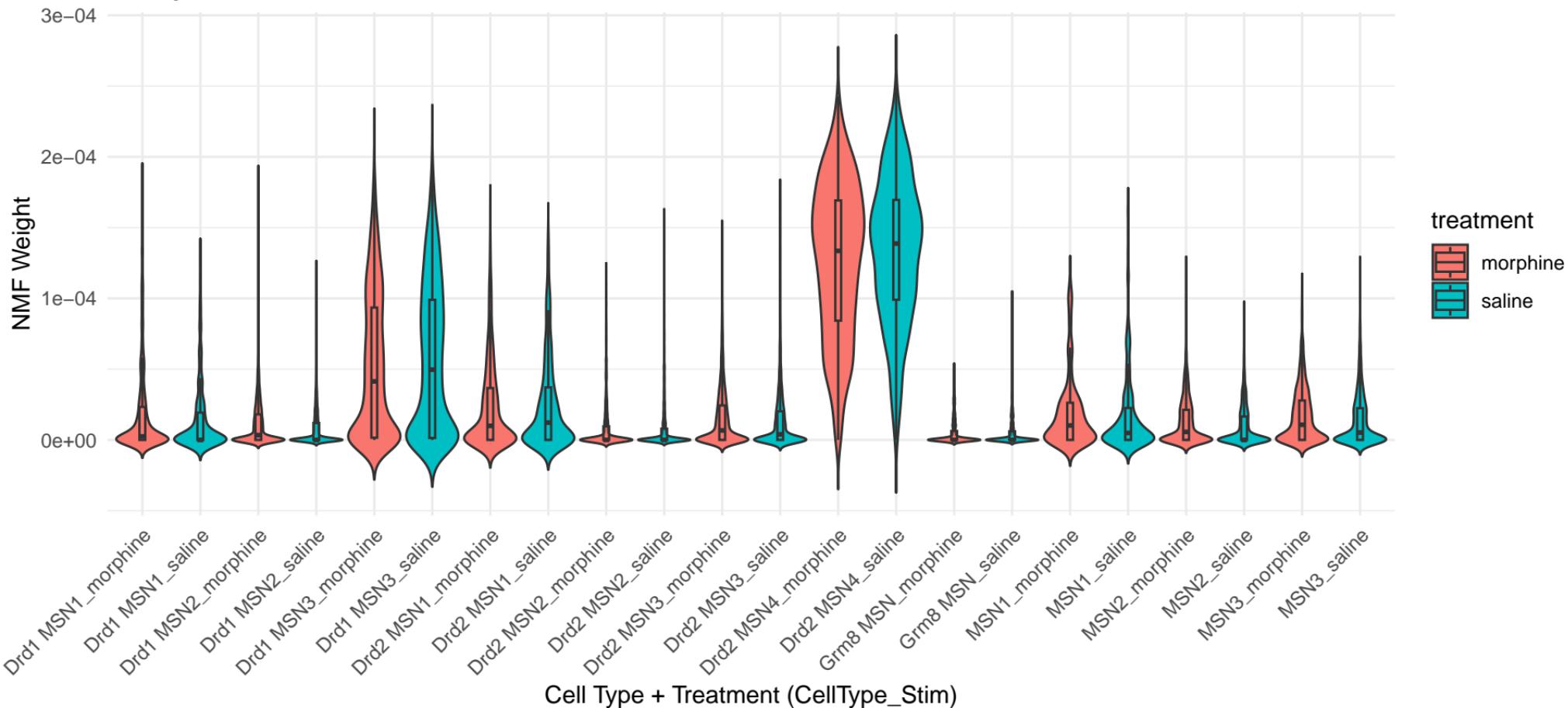
# NMF Component: nmf23

Not significant



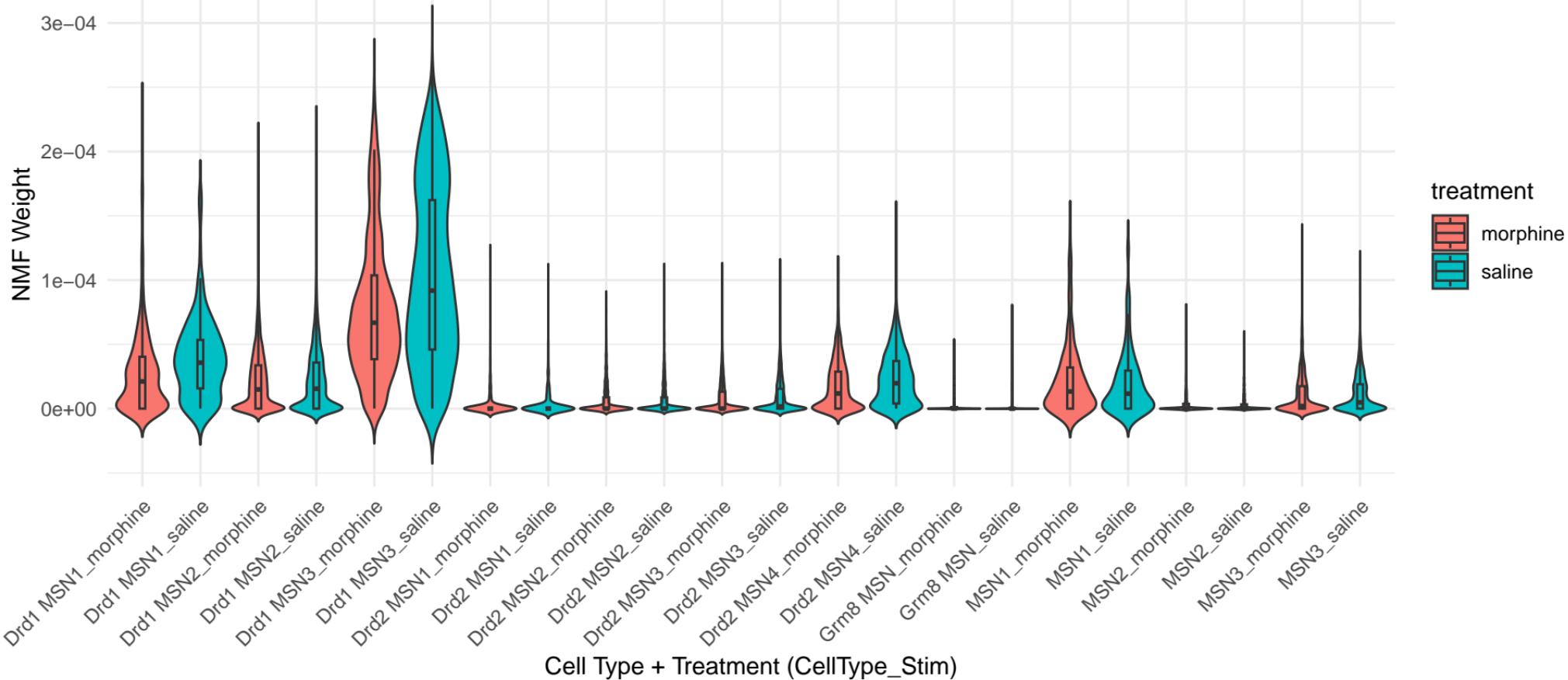
# NMF Component: nmf24

Not significant



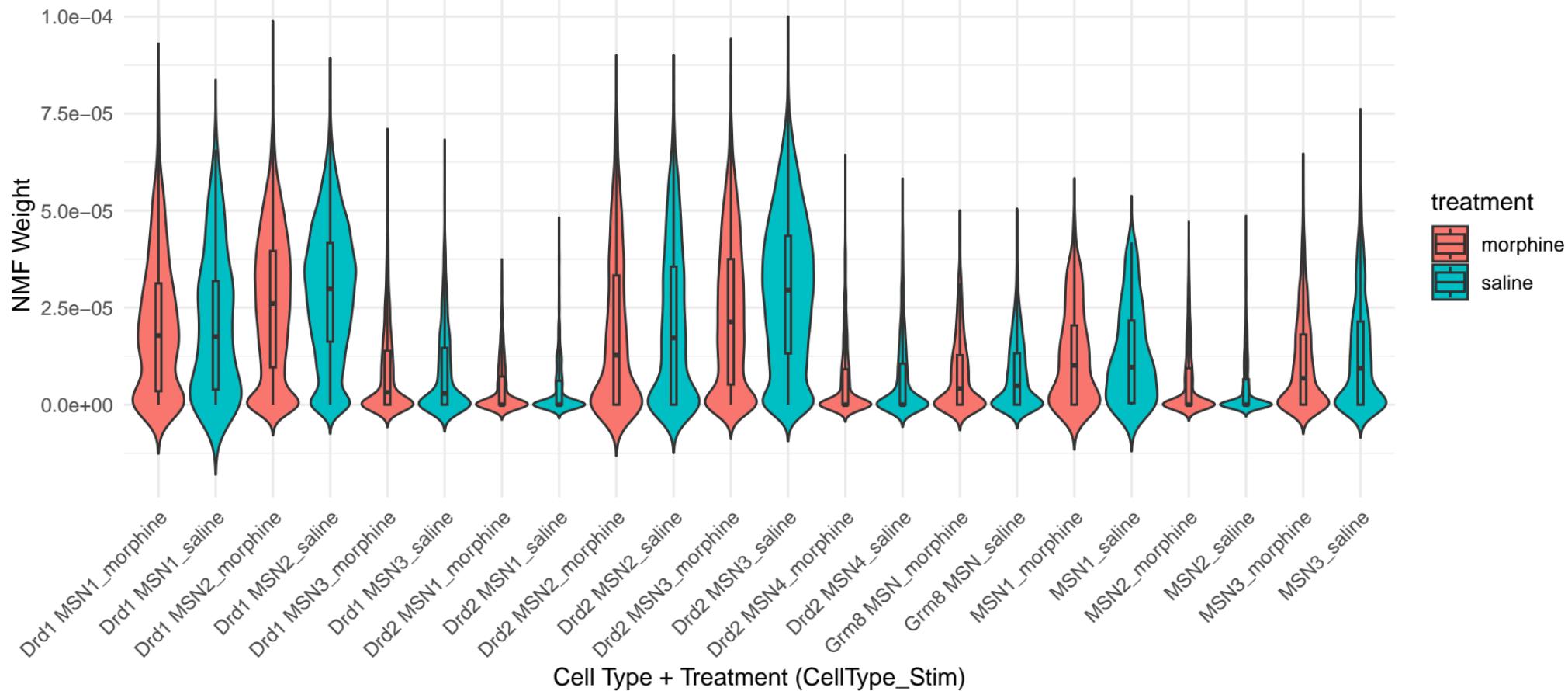
# NMF Component: nmf25

Not significant



# NMF Component: nmf26

Not significant



# NMF Component: nmf28

Not significant

NMF Weight

2e-04

1e-04

0e+00

Drd1 MSN1\_morphine Drd1 MSN1\_saline Drd1 MSN2\_morphine Drd1 MSN2\_saline Drd1 MSN3\_morphine Drd1 MSN3\_saline Drd2 MSN1\_morphine Drd2 MSN1\_saline Drd2 MSN2\_morphine Drd2 MSN2\_saline Drd2 MSN3\_morphine Drd2 MSN3\_saline Drd2 MSN4\_morphine Drd2 MSN4\_saline Grm8 MSN\_morphine Grm8 MSN\_saline MSN1\_morphine MSN1\_saline MSN2\_morphine MSN2\_saline MSN3\_morphine MSN3\_saline

Cell Type + Treatment (CellType\_Stim)

treatment  
morphine  
saline

# NMF Component: nmf29

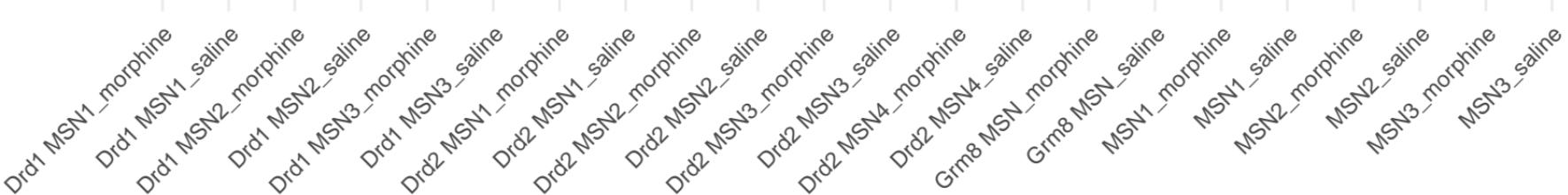
Not significant

NMF Weight

1e-04

5e-05

0e+00

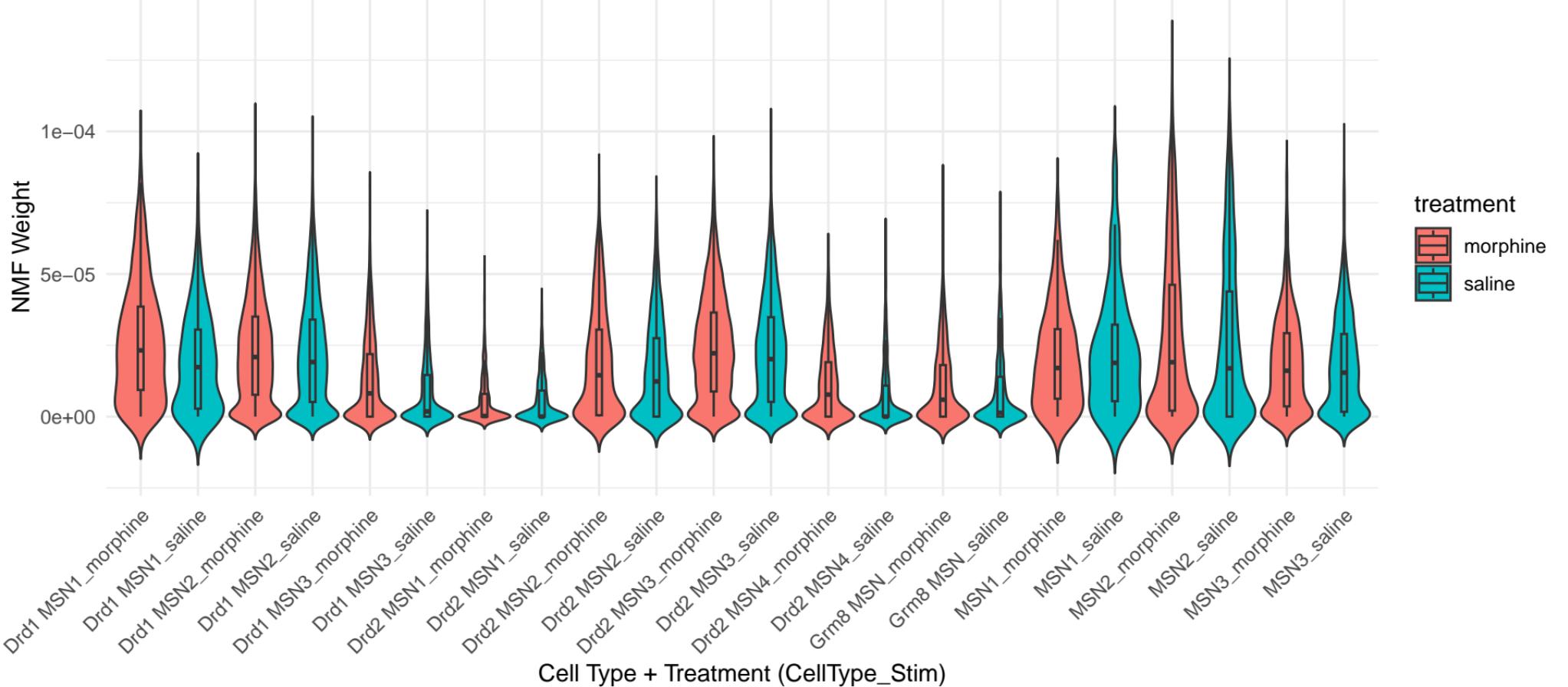


treatment  
morphine  
saline

Cell Type + Treatment (CellType\_Stim)

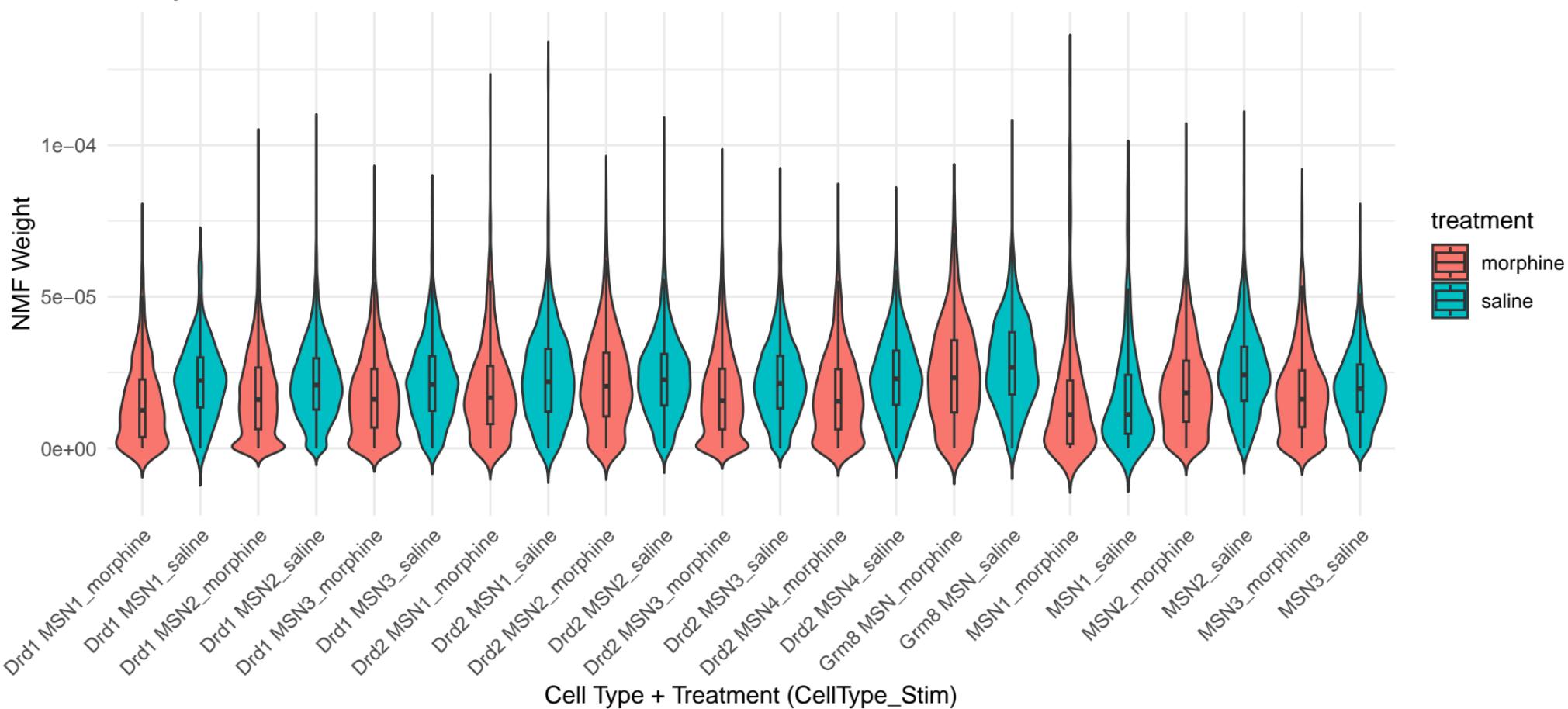
# NMF Component: nmf30

Not significant



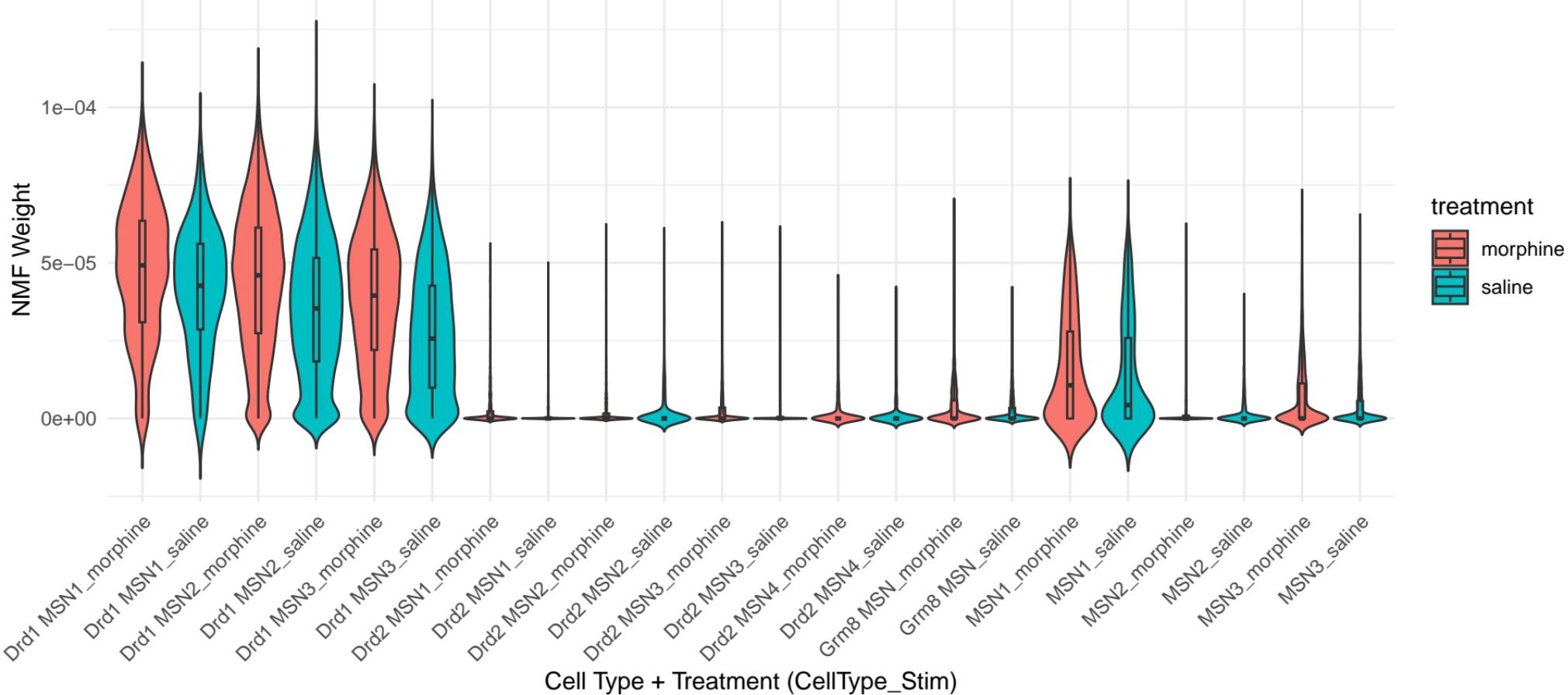
# NMF Component: nmf32

Not significant



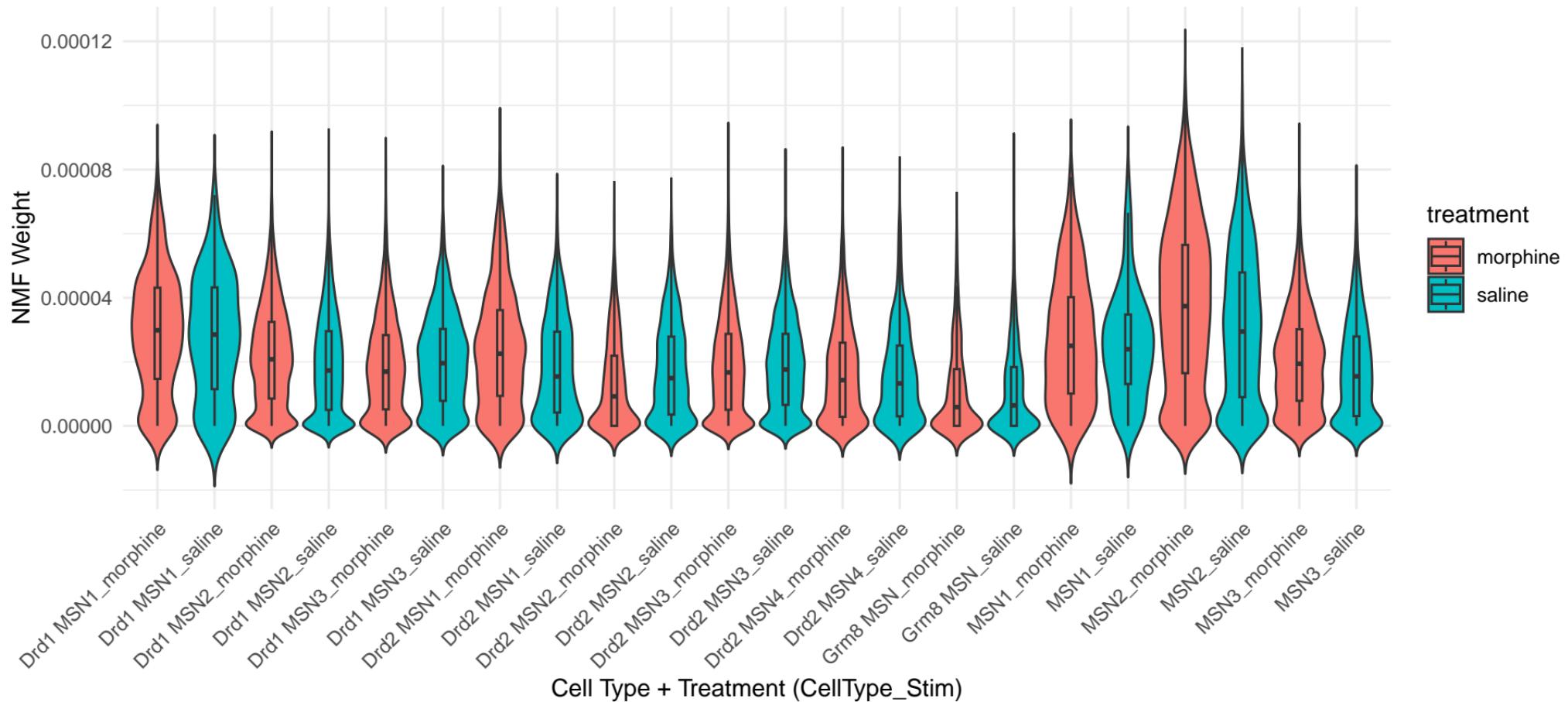
# NMF Component: nmf33

Not significant



# NMF Component: nmf34

Not significant



# NMF Component: nmf35

Not significant

NMF Weight

7.5e-05

5.0e-05

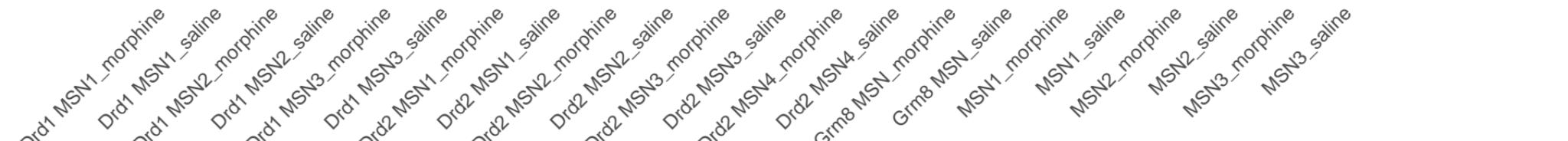
2.5e-05

0.0e+00

treatment

morphine

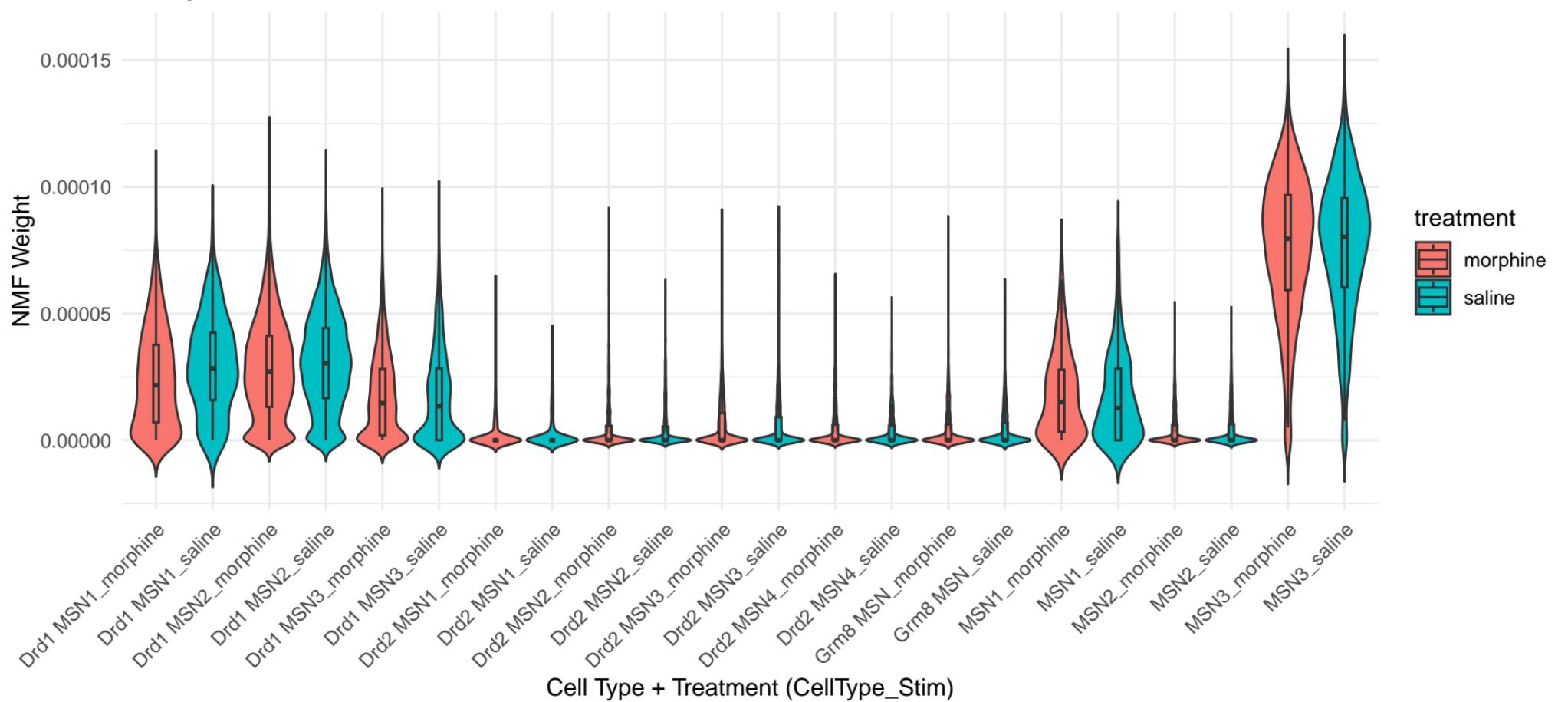
saline



Cell Type + Treatment (CellType\_Stim)

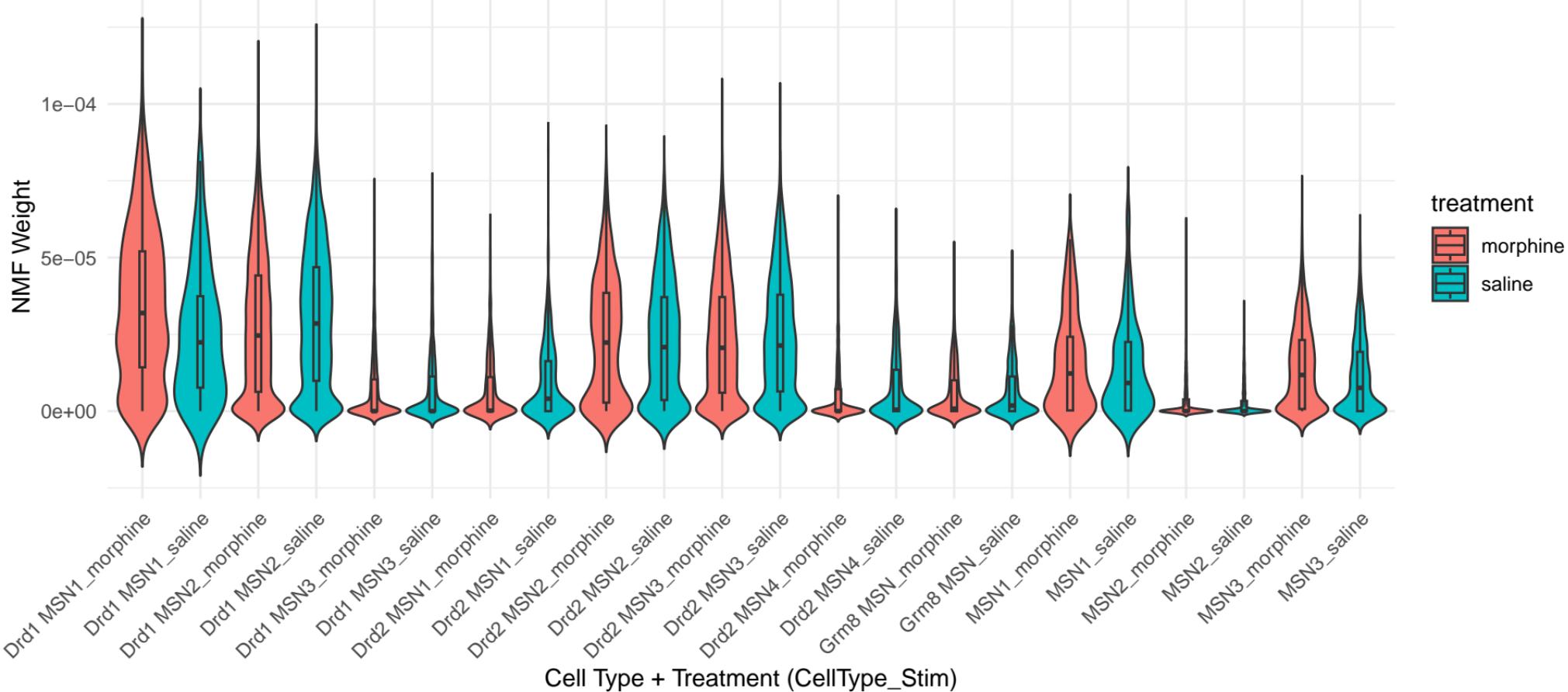
# NMF Component: nmf37

Not significant



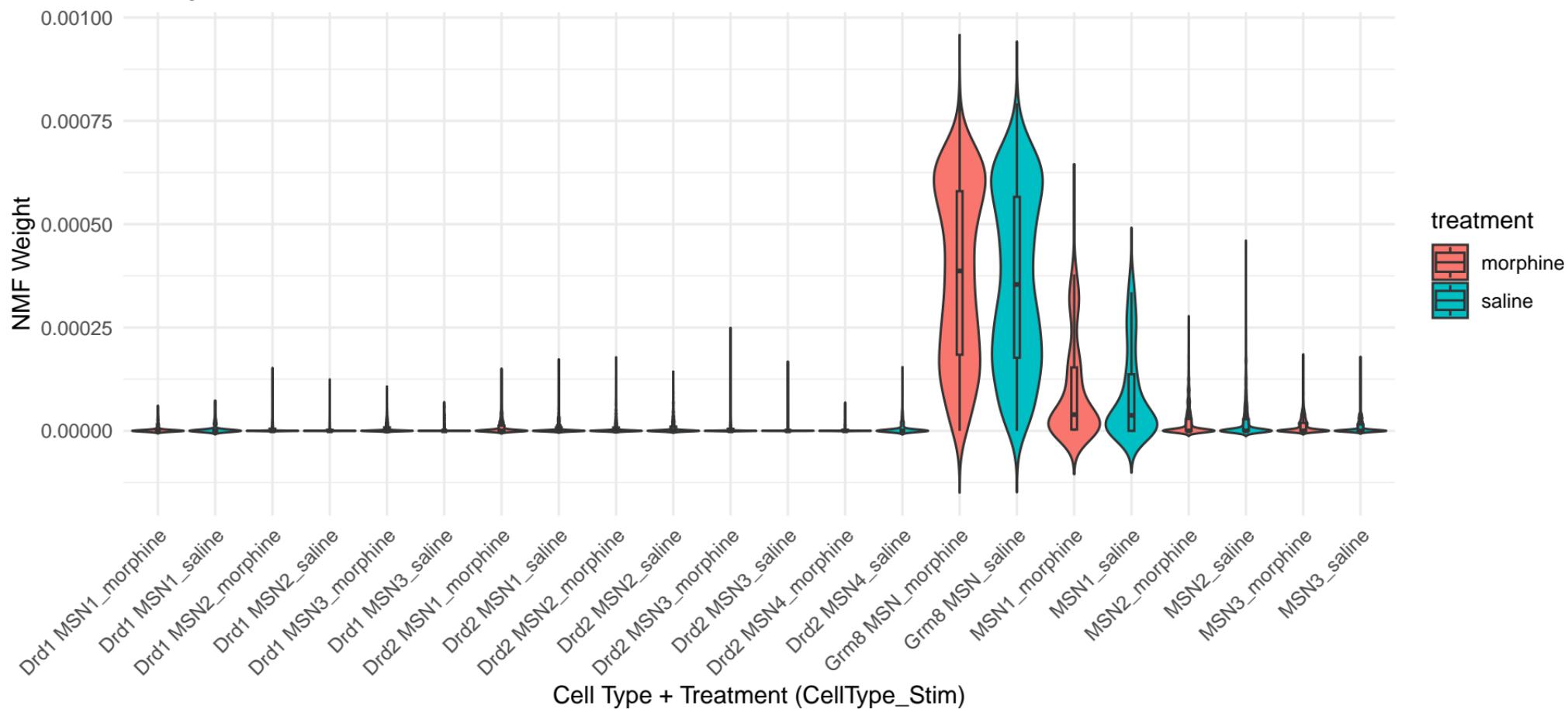
# NMF Component: nmf38

Not significant



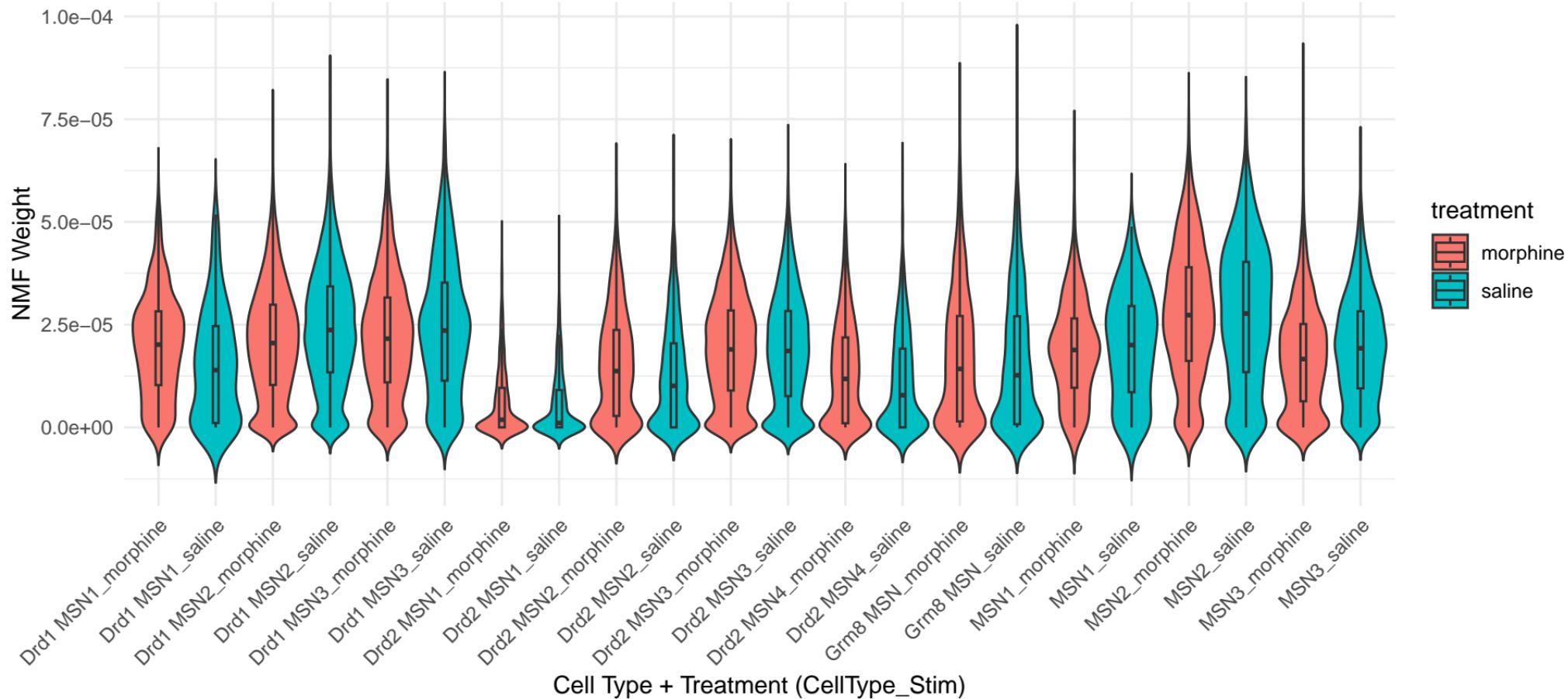
# NMF Component: nmf39

Not significant



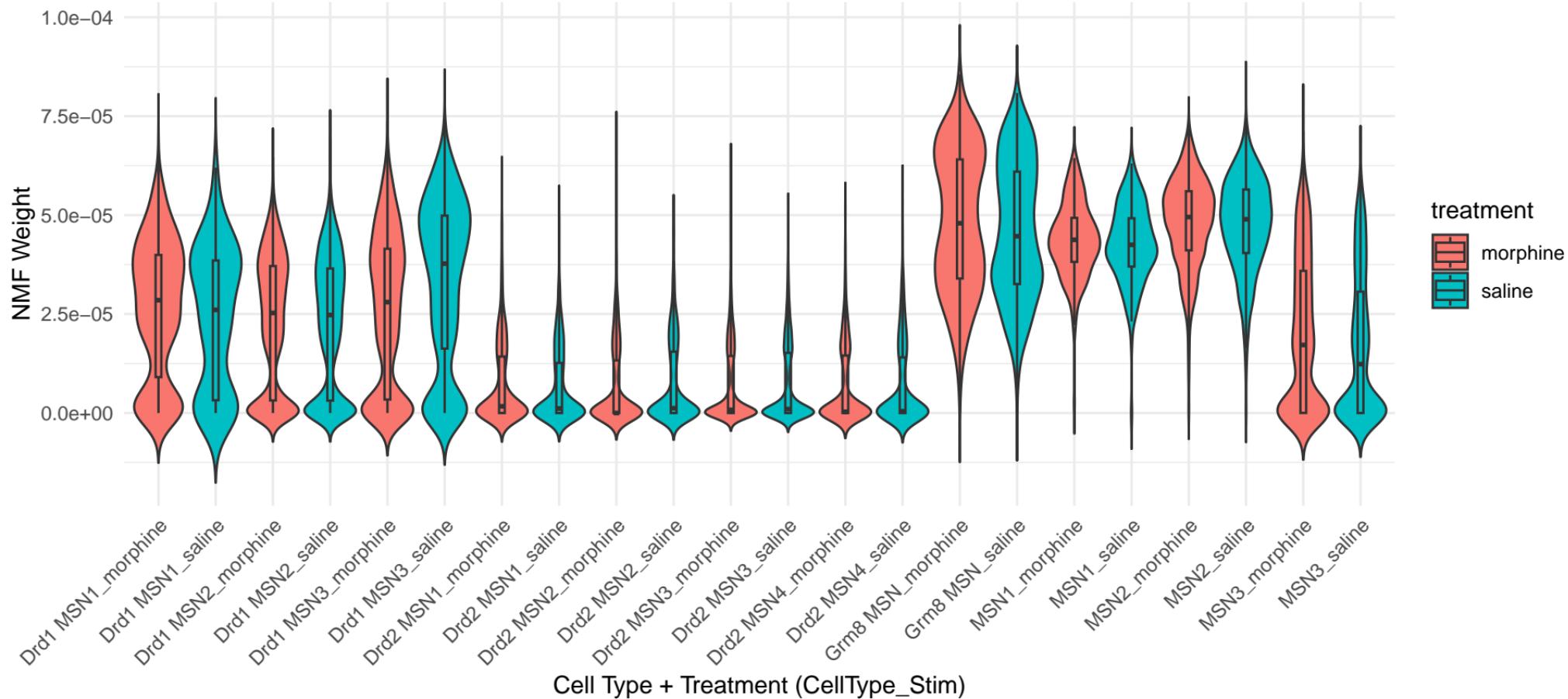
# NMF Component: nmf41

Not significant



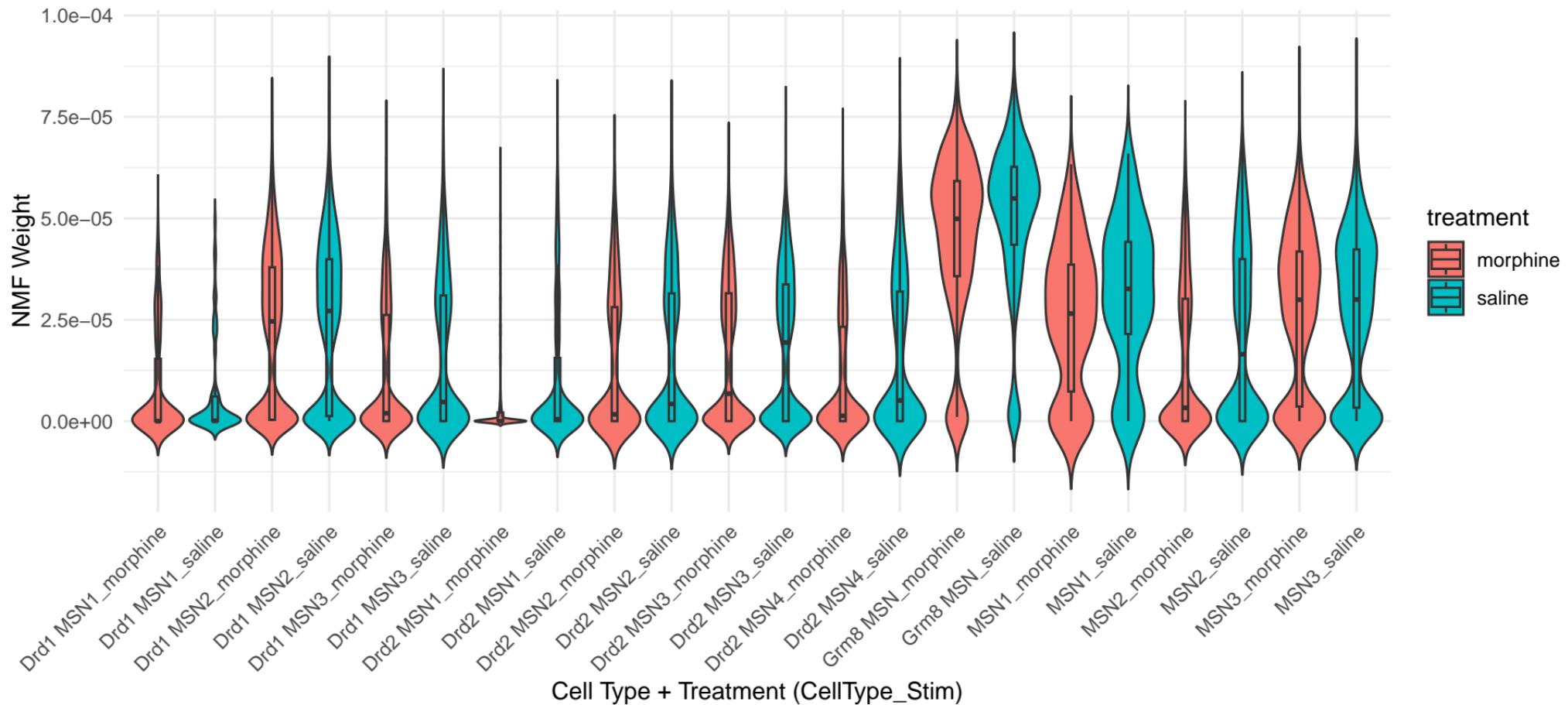
# NMF Component: nmf42

Not significant



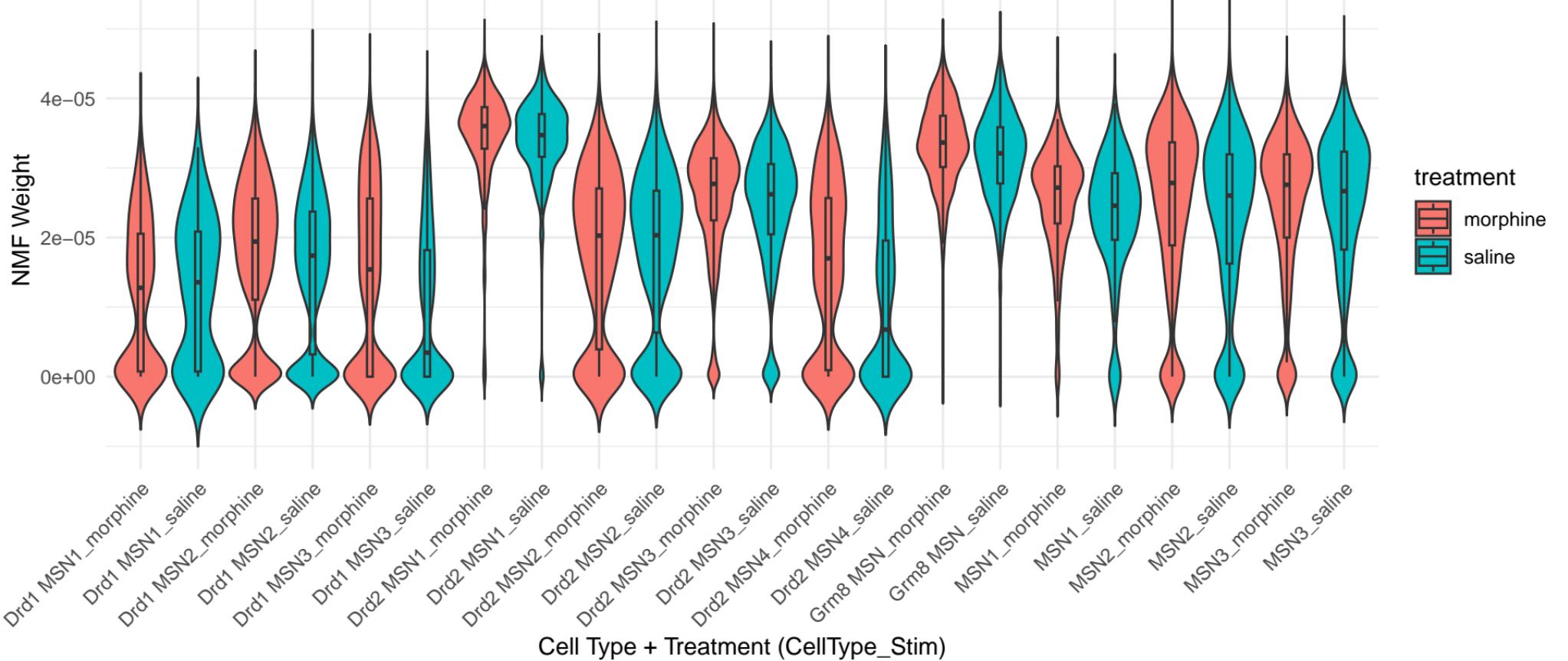
# NMF Component: nmf43

Not significant



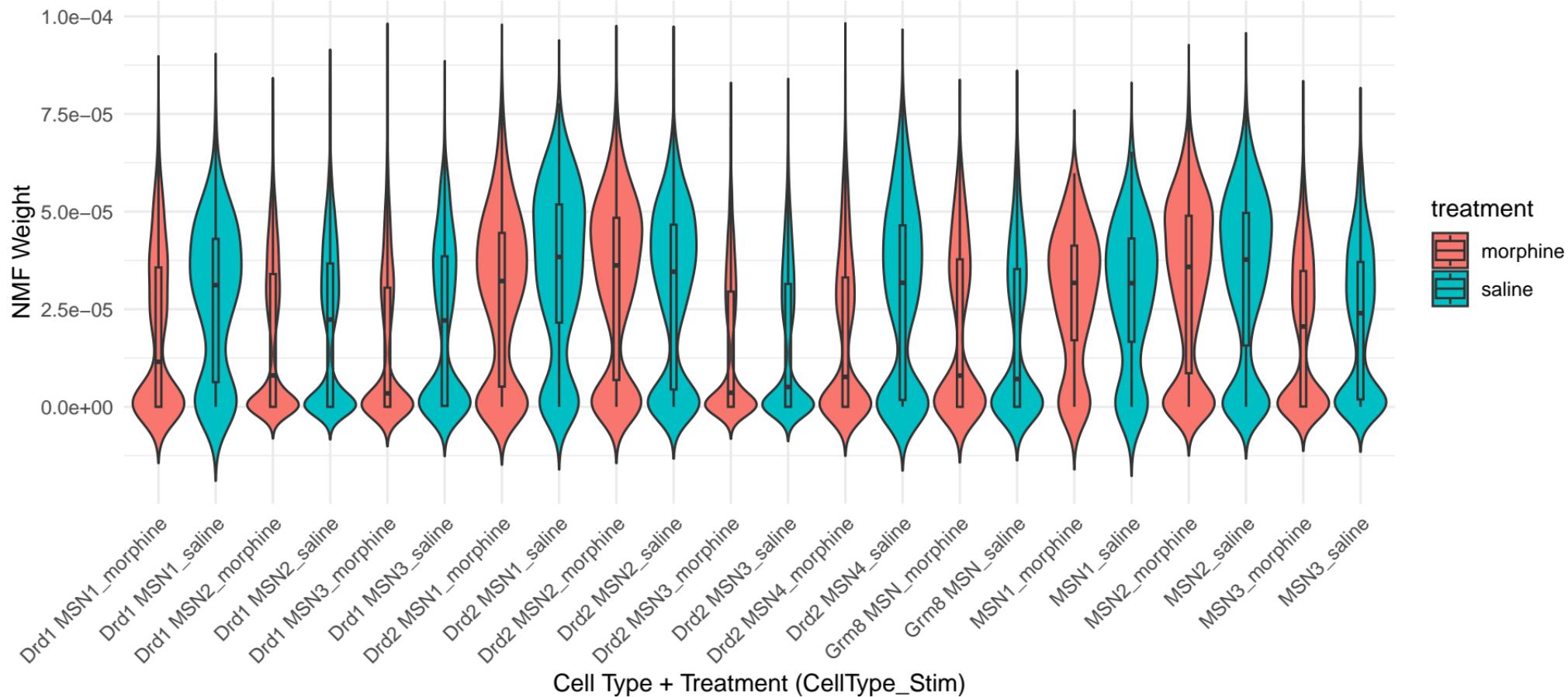
# NMF Component: nmf44

Not significant



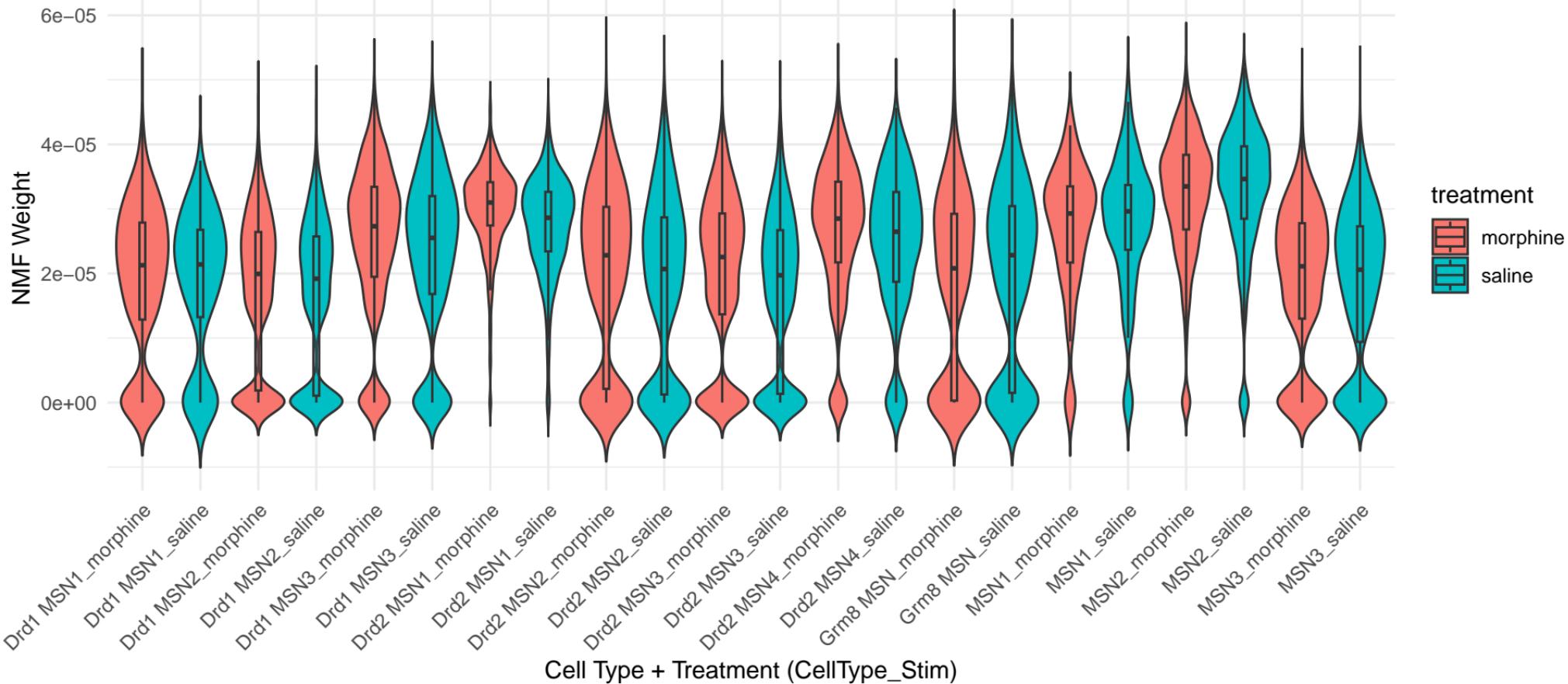
# NMF Component: nmf45

Not significant



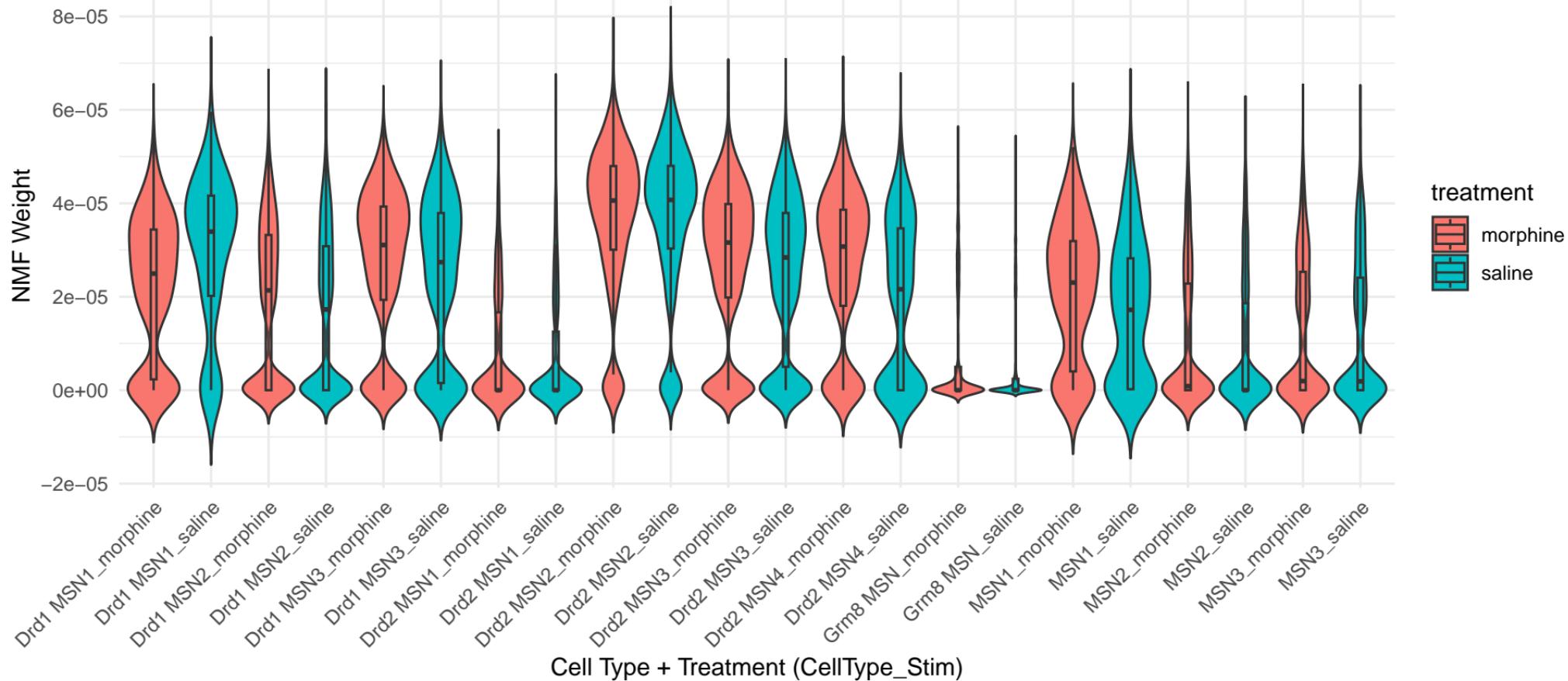
# NMF Component: nmf46

Not significant



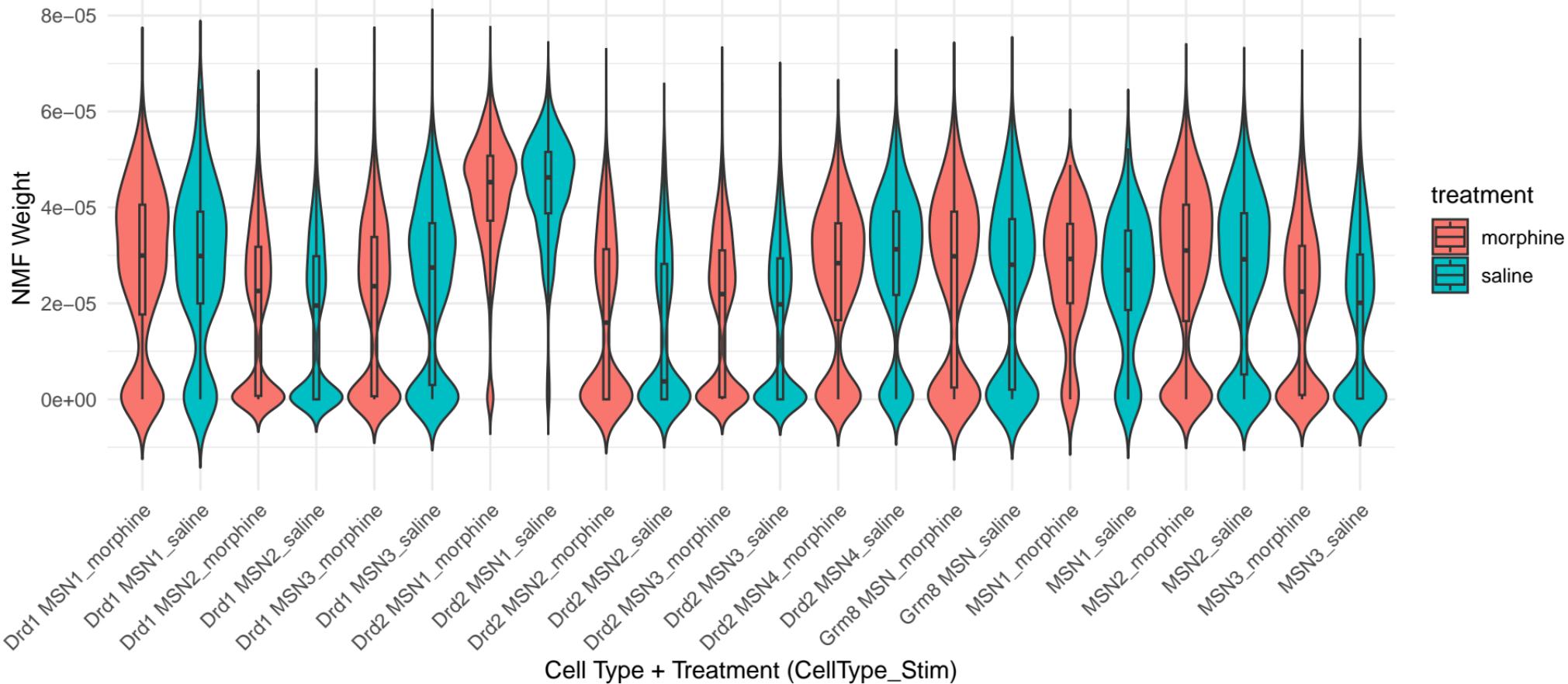
# NMF Component: nmf47

Not significant



# NMF Component: nmf48

Not significant



# NMF Component: nmf49

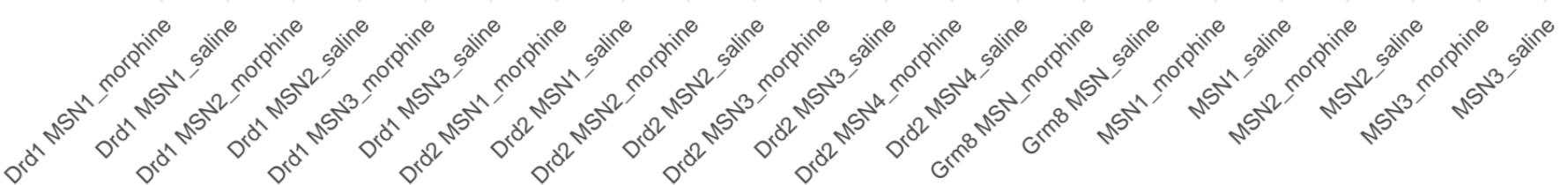
Not significant

NMF Weight

6e-05

3e-05

0e+00



# NMF Component: nmf50

Not significant

NMF Weight

5.0e-05

2.5e-05

0.0e+00

treatment

morphine  
saline

Drd1 MSN1\_morphine  
Drd1 MSN1\_saline

Drd1 MSN2\_morphine  
Drd1 MSN2\_saline

Drd1 MSN3\_morphine  
Drd1 MSN3\_saline

Drd2 MSN1\_morphine  
Drd2 MSN1\_saline

Drd2 MSN2\_morphine  
Drd2 MSN2\_saline

Drd2 MSN3\_morphine  
Drd2 MSN3\_saline

Drd2 MSN4\_morphine  
Drd2 MSN4\_saline

Grm8 MSN\_morphine  
MSN1\_morphine

MSN1\_saline  
MSN2\_morphine

MSN2\_saline  
MSN3\_morphine

MSN3\_saline

Cell Type + Treatment (CellType\_Stim)