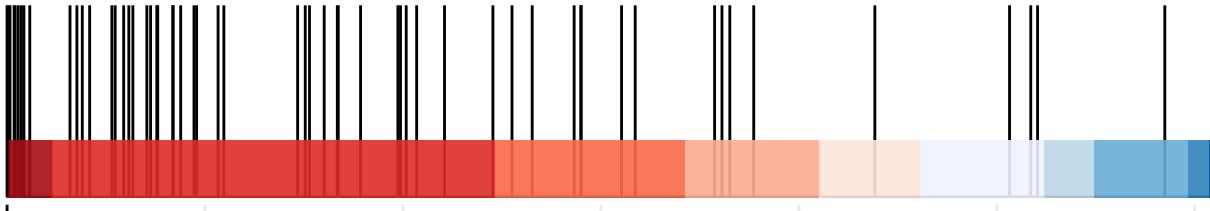


# GOBP\_GLUCOSE\_IMPORT

Running Enrichment Score

0.6  
0.4  
0.2  
0.0



Ranked List Metric

10  
5  
0

5000

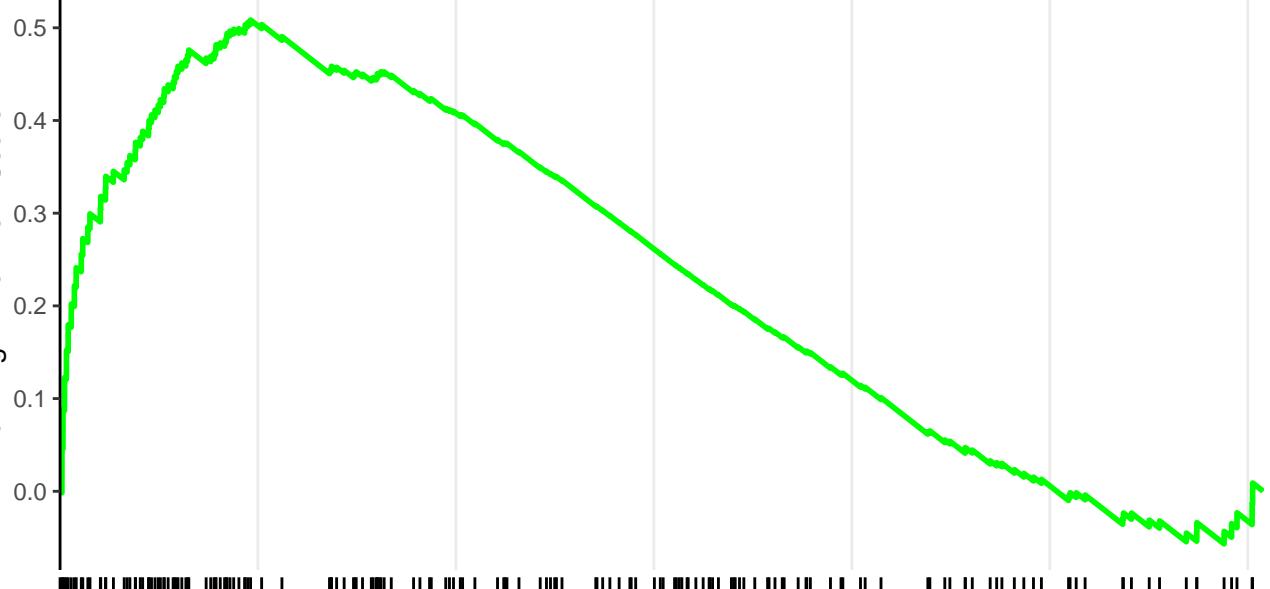
10000

15000

Rank in Ordered Dataset

# GOBP\_CELLULAR\_RESPONSE\_TO\_INSULIN\_STIMULUS

Running Enrichment Score



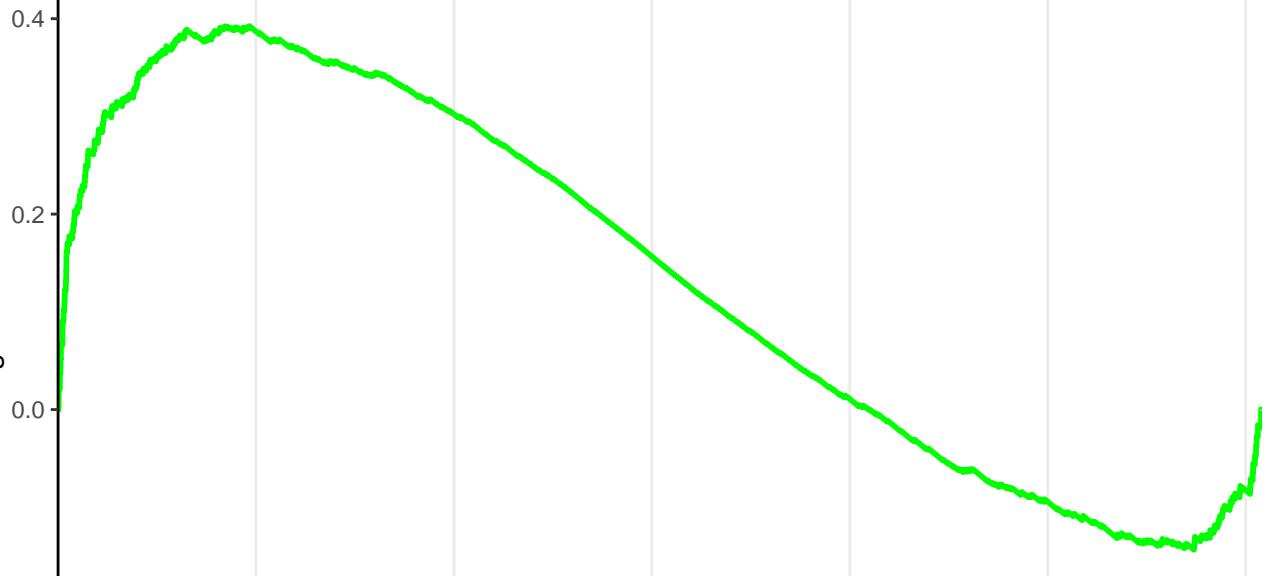
Ranked List Metric



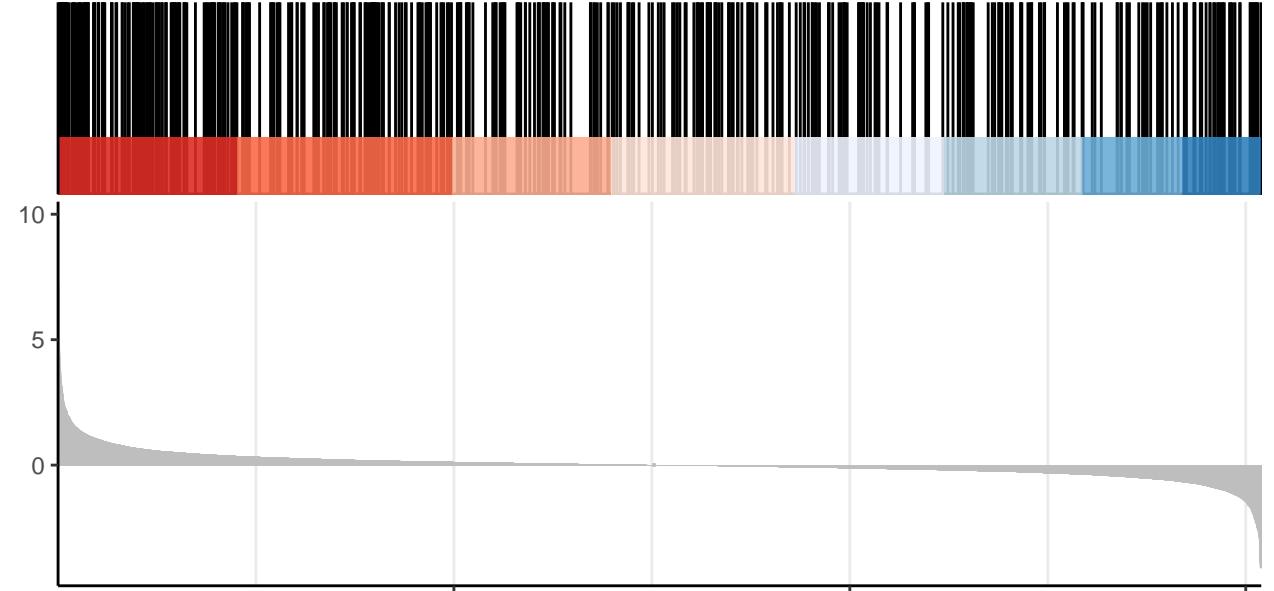
Rank in Ordered Dataset

# GOBP\_CELLULAR\_RESPONSE\_TO\_HORMONE\_STIMULUS

Running Enrichment Score



Ranked List Metric

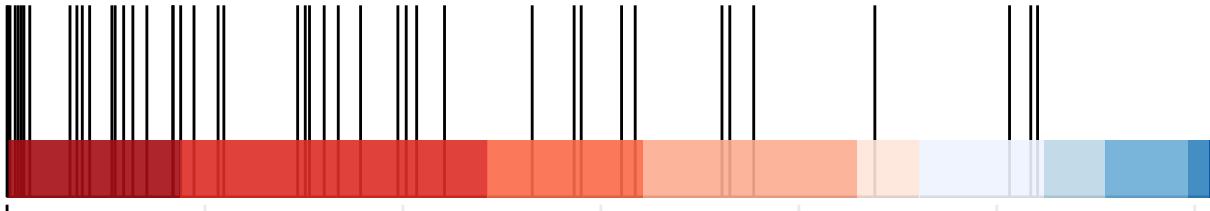


Rank in Ordered Dataset

# GOBP\_REGULATION\_OF\_GLUCOSE\_IMPORT

Running Enrichment Score

0.6  
0.4  
0.2  
0.0



Ranked List Metric

-10  
-5  
0  
5  
10

5000

10000

15000

Rank in Ordered Dataset

# GOBP\_PEROXISOME\_PROLIFERATOR\_ACTIVATED\_RECECTOR\_SIGNALING

Running Enrichment Score

0.8  
0.6  
0.4  
0.2  
0.0

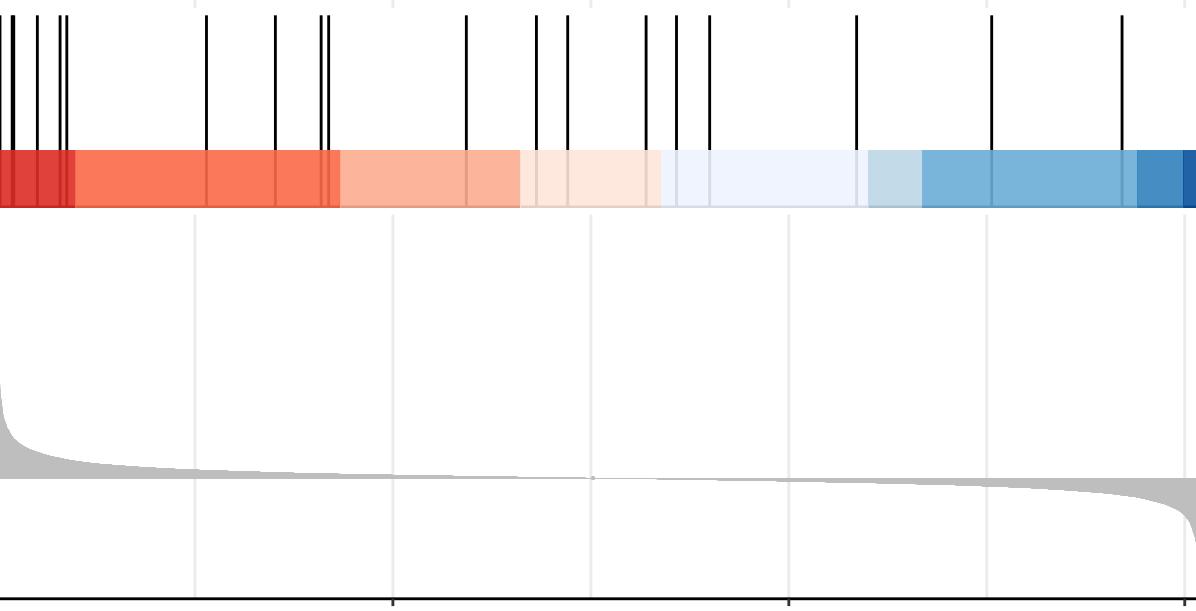
10  
5  
0

5000

10000

15000

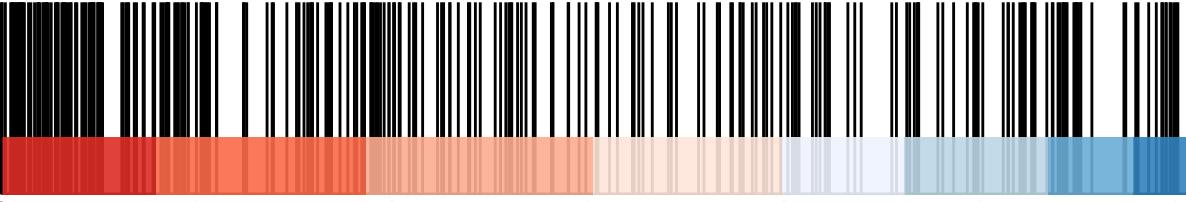
Rank in Ordered Dataset



# GOBP\_CELL\_SUBSTRATE\_ADHESION

Running Enrichment Score

0.4  
0.3  
0.2  
0.1  
0.0  
-0.1



Ranked List Metric

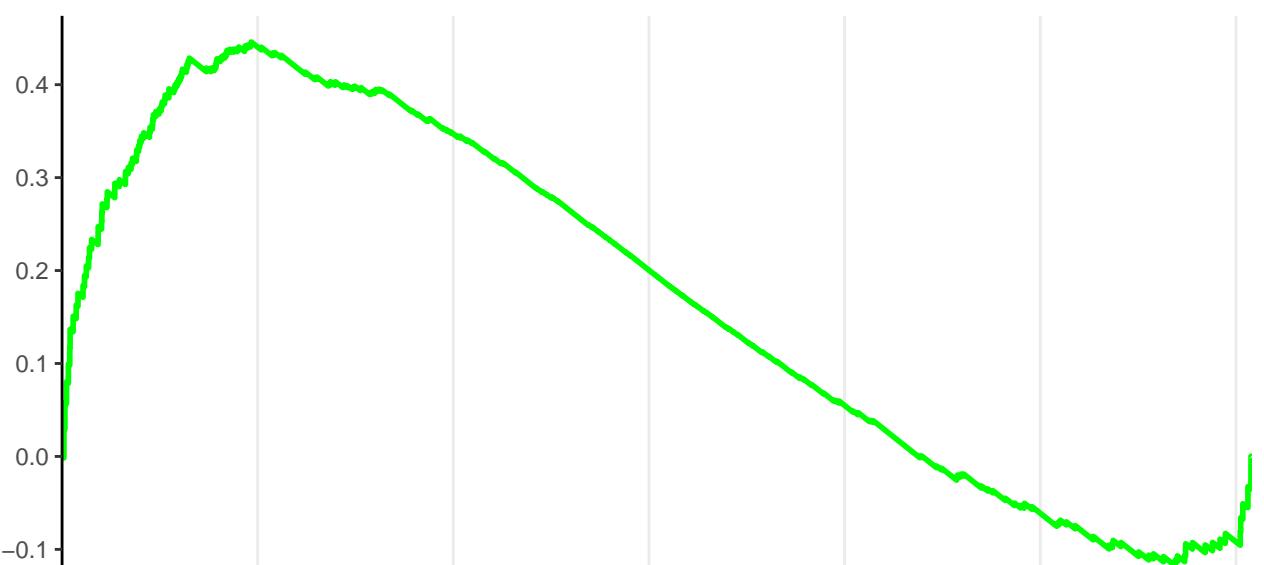
10  
5  
0

5000 10000 15000

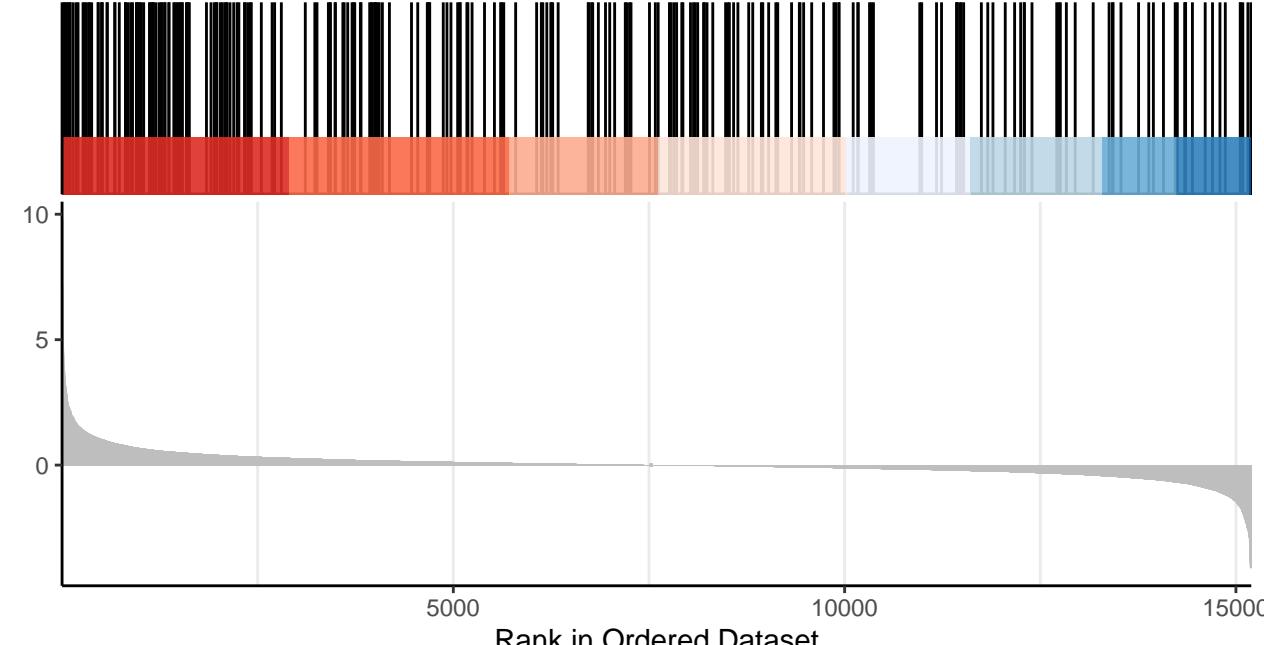
Rank in Ordered Dataset

# GOBP\_CELLULAR\_RESPONSE\_TO\_PEPTIDE\_HORMONE\_STIMULUS

Running Enrichment Score



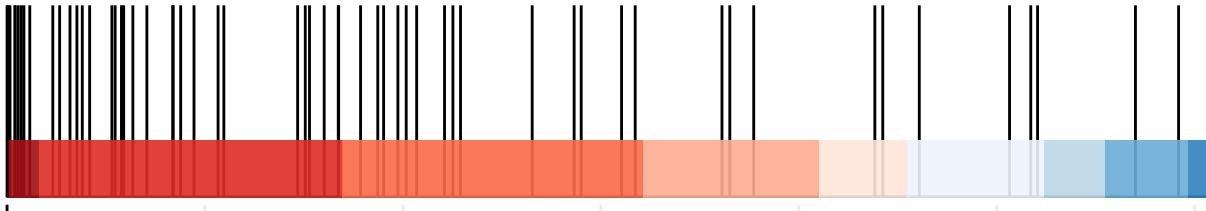
Ranked List Metric



# GOBP\_REGULATION\_OF\_GLUCOSE\_TRANSMEMBRANE\_TRANSPORT

Running Enrichment Score

0.6  
0.4  
0.2  
0.0



Ranked List Metric

10  
5  
0

5000

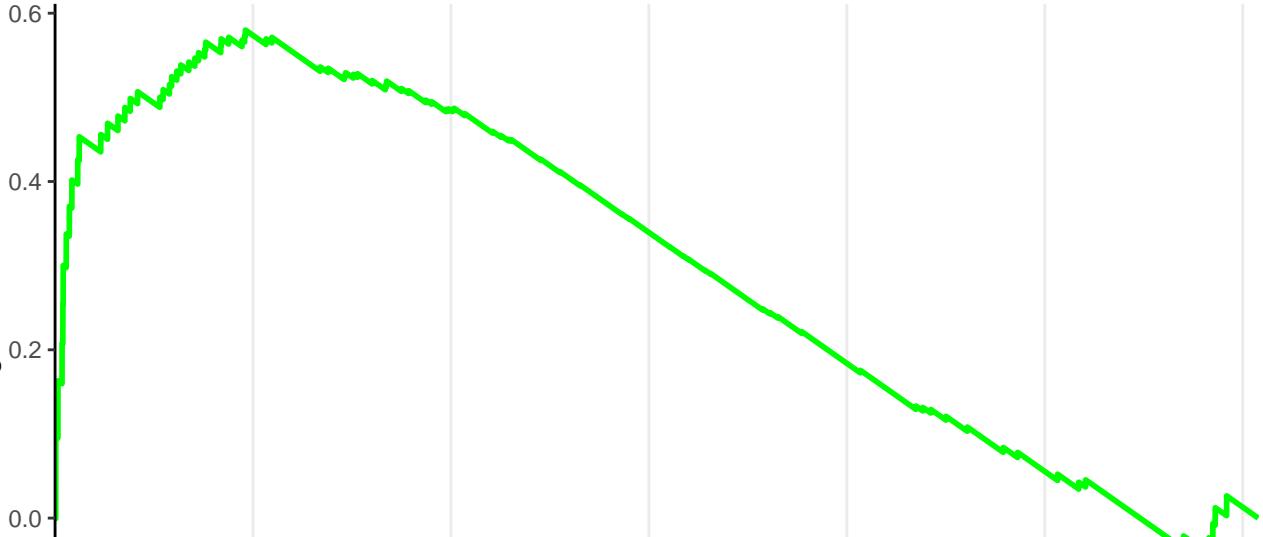
10000

15000

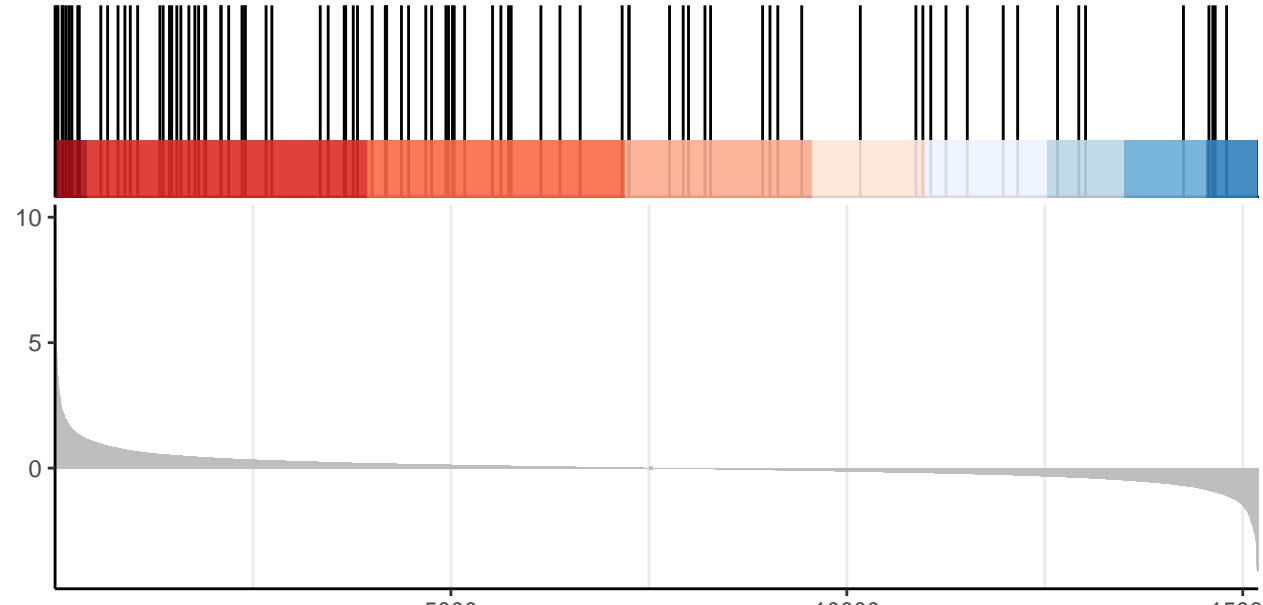
Rank in Ordered Dataset

# GOBP\_MONOSACCHARIDE\_TRANSMEMBRANE\_TRANSPORT

Running Enrichment Score



Ranked List Metric



Rank in Ordered Dataset

# GOBP\_RESPONSE\_TO\_INSULIN

Running Enrichment Score

0.4  
0.3  
0.2  
0.1  
0.0  
-0.1



Ranked List Metric

10  
5  
0

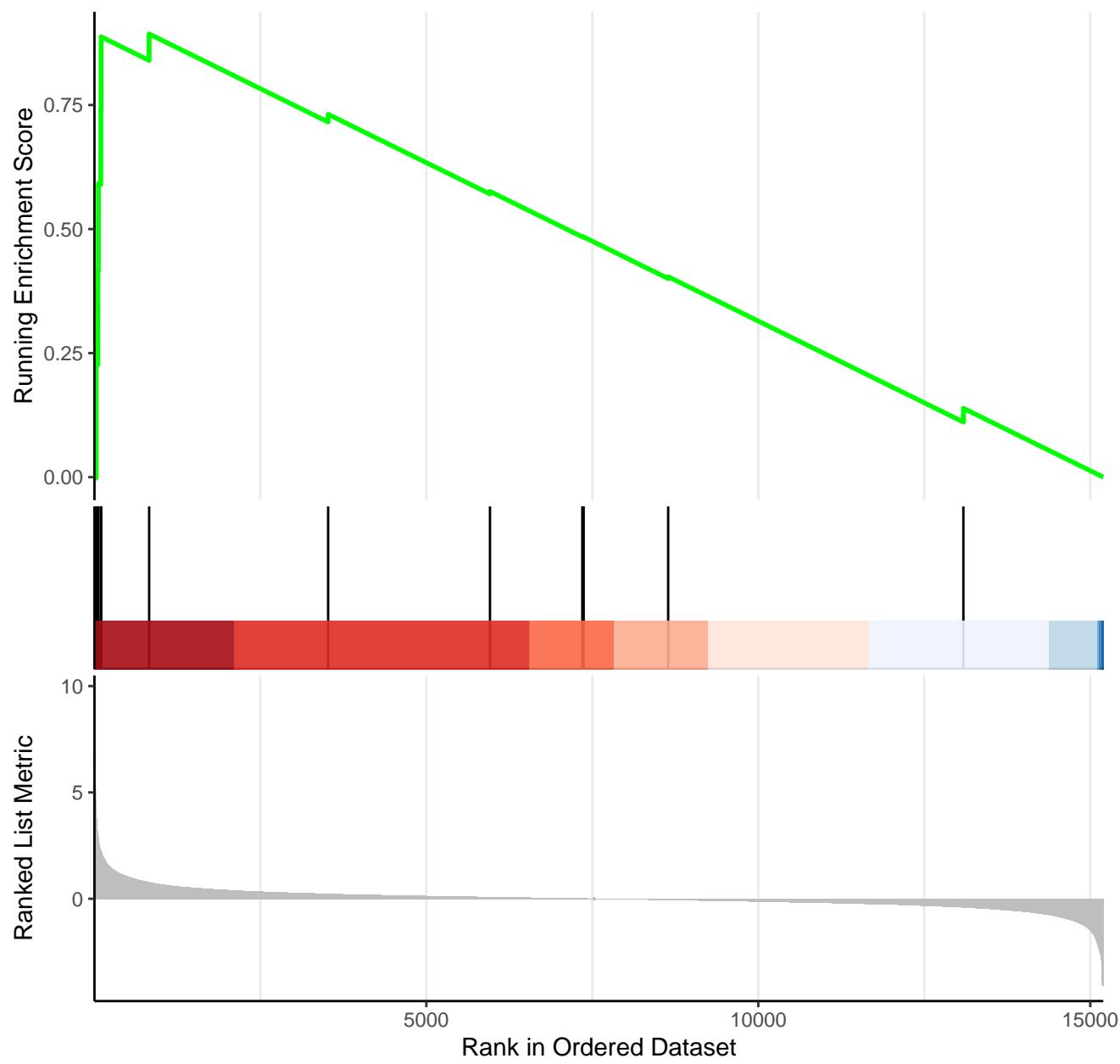
5000

10000

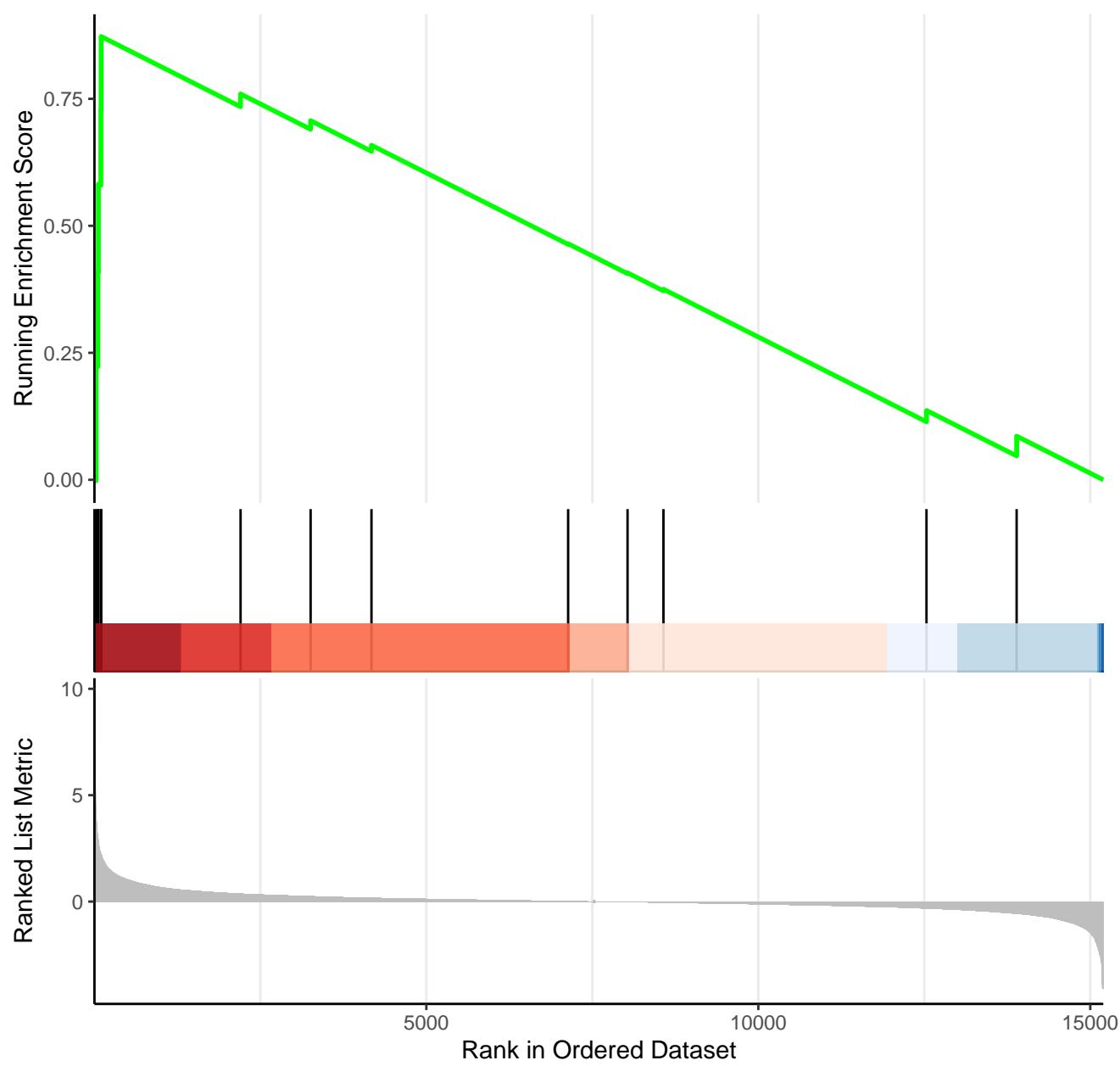
15000

Rank in Ordered Dataset

# GOBP\_DETOXIFICATION\_OF\_INORGANIC\_COMPOUND

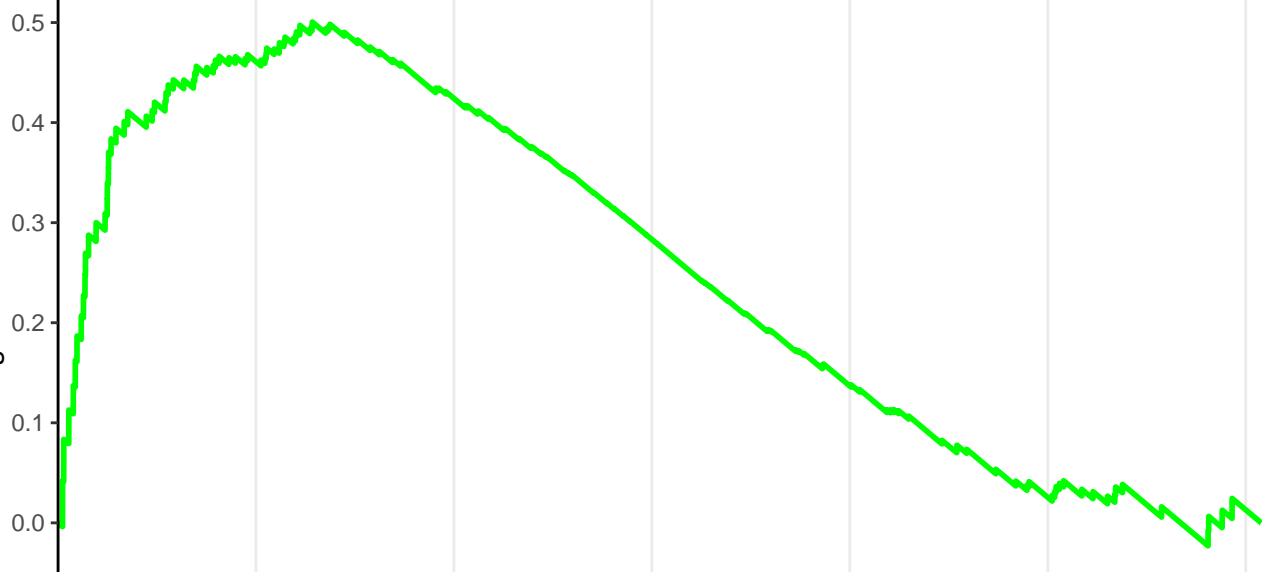


# GOBP\_CELLULAR\_RESPONSE\_TO\_ZINC\_ION

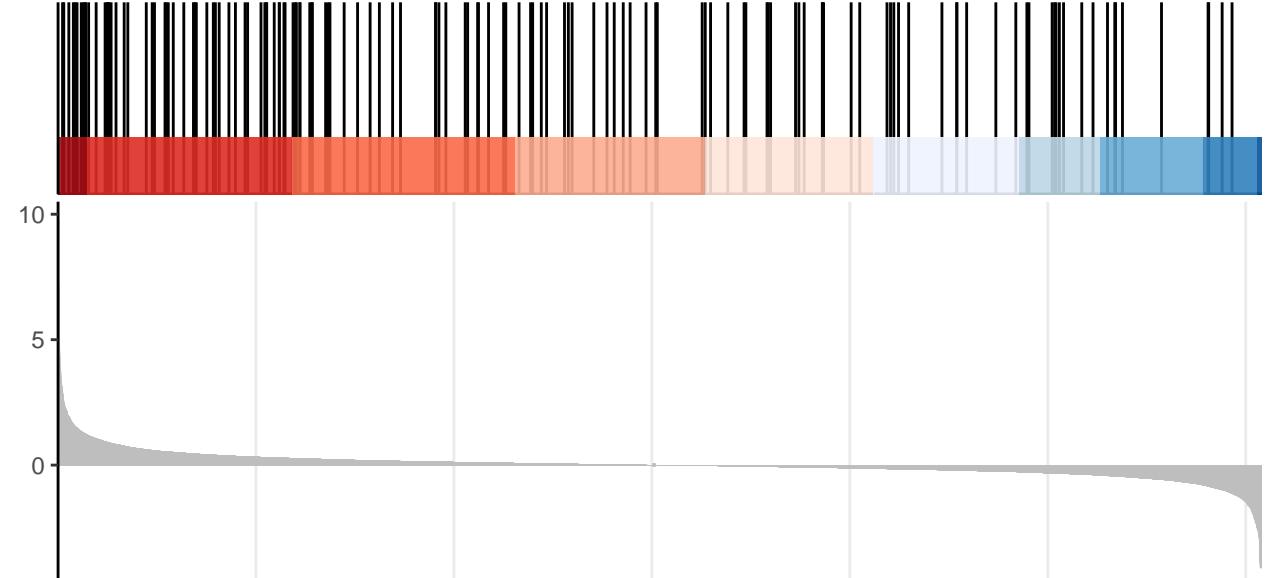


# GOBP\_SULFUR\_COMPOUND\_BIOSYNTHETIC\_PROCESS

Running Enrichment Score

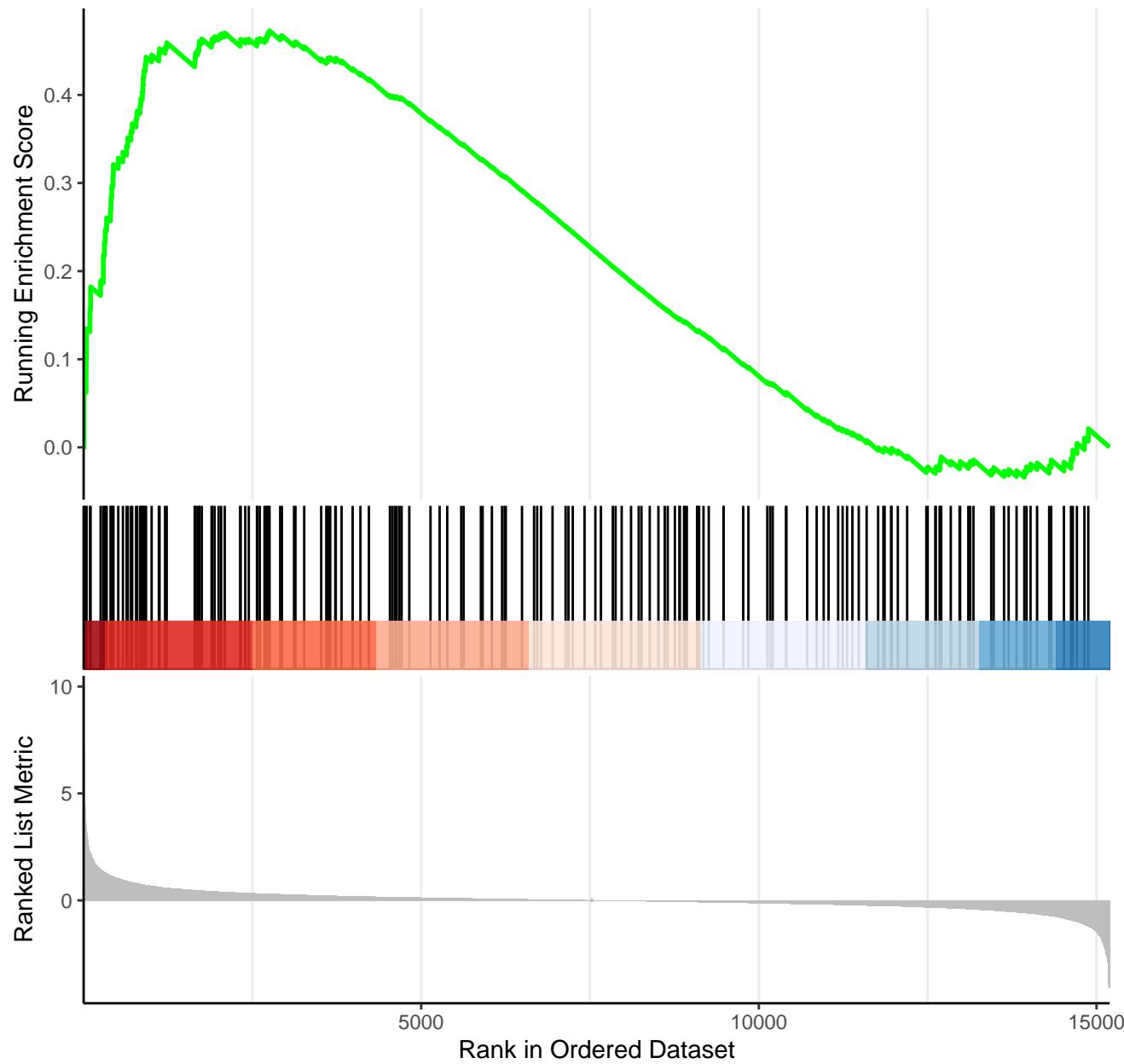


Ranked List Metric



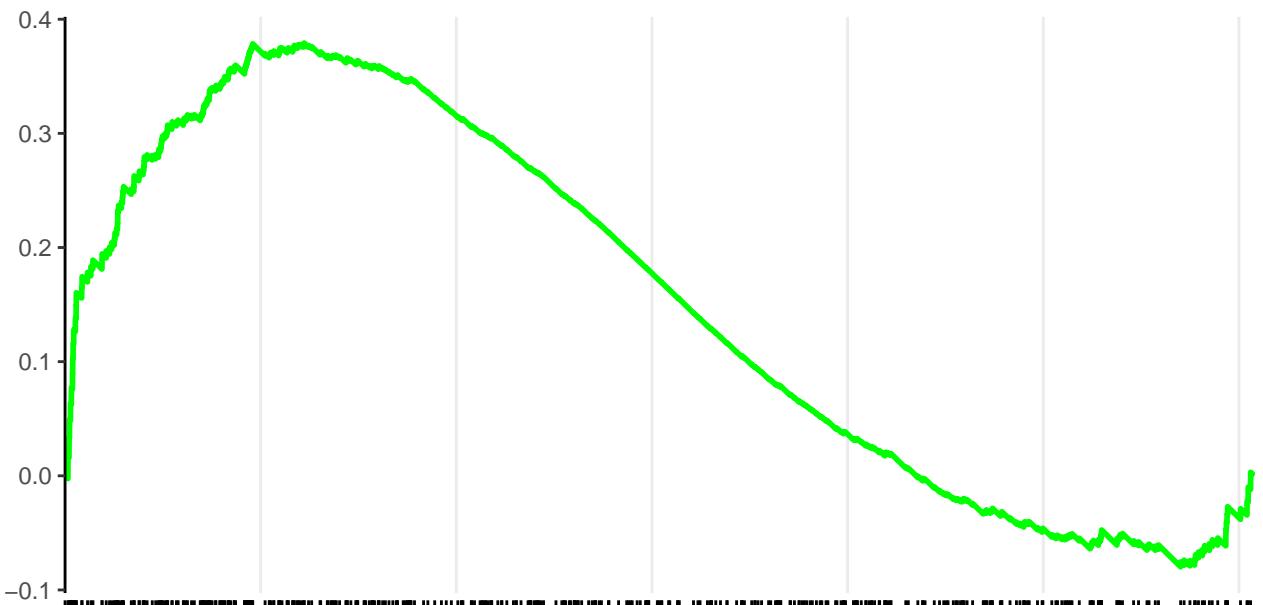
Rank in Ordered Dataset

# GOBP\_ORGANIC\_ACID\_CATABOLIC\_PROCESS



# GOBP\_CARBOHYDRATE\_METABOLIC\_PROCESS

Running Enrichment Score



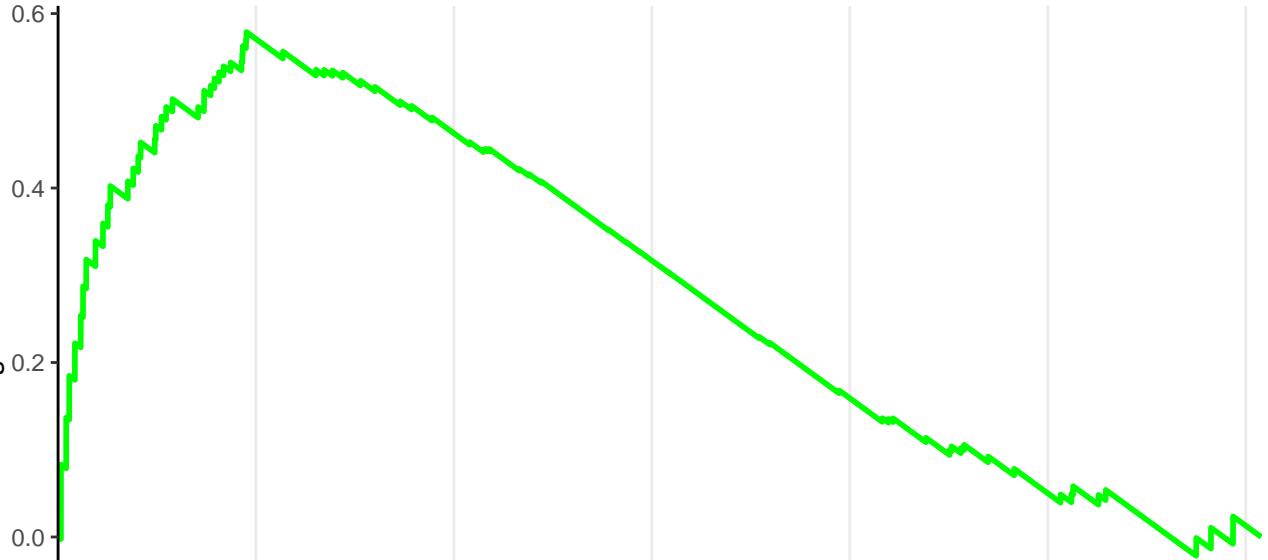
Ranked List Metric



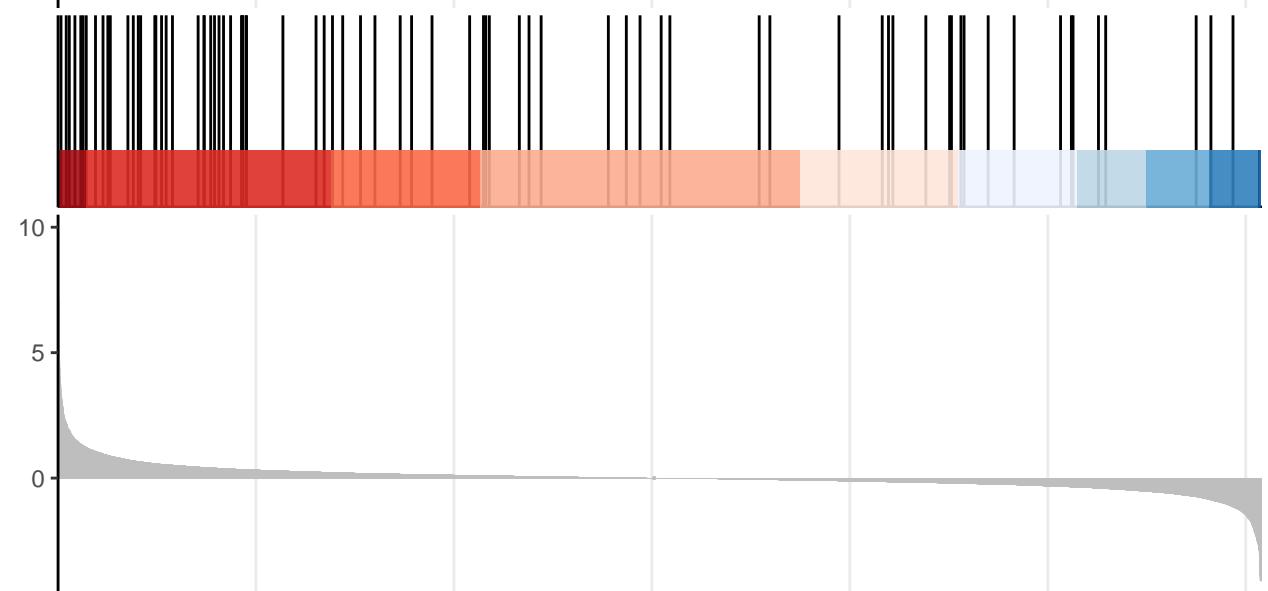
Rank in Ordered Dataset

# GOBP\_ENERGY\_RESERVE\_METABOLIC\_PROCESS

Running Enrichment Score



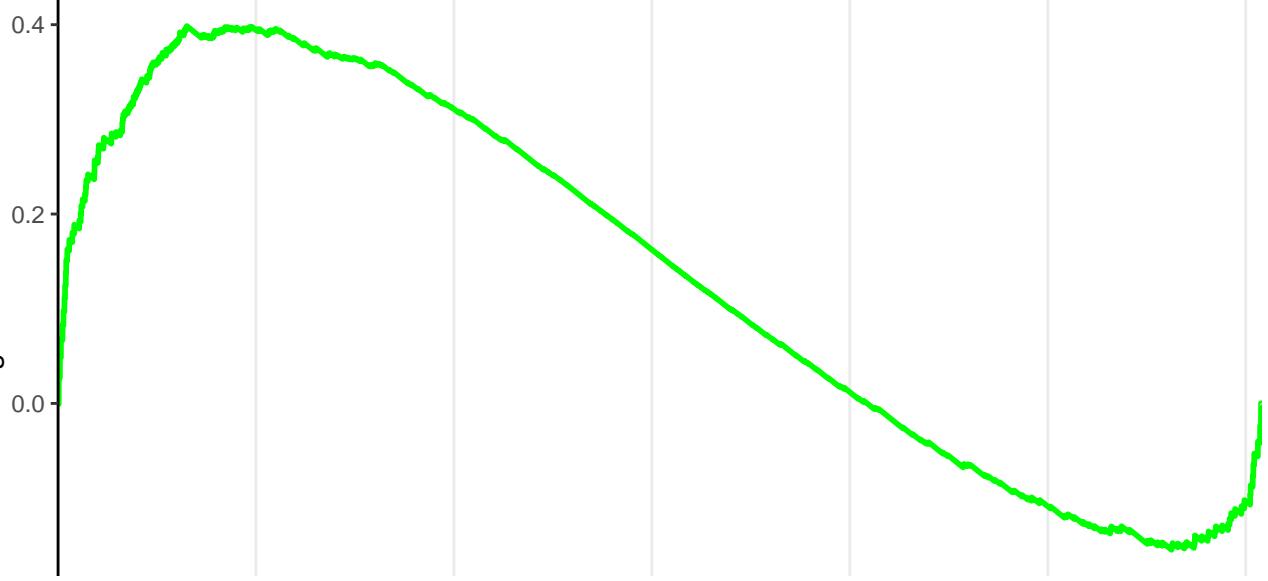
Ranked List Metric



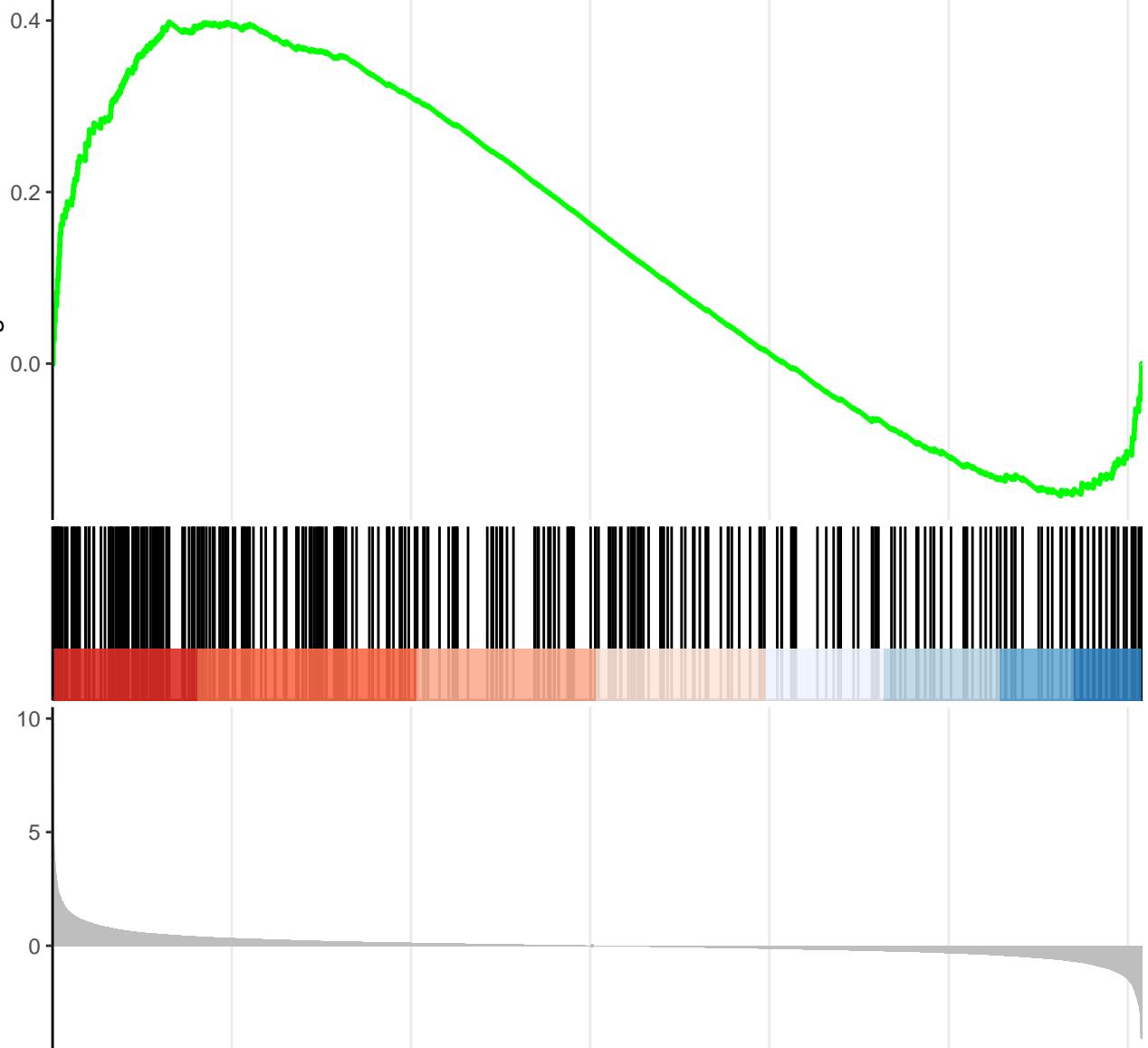
Rank in Ordered Dataset

# GOBP\_RESPONSE\_TO\_PEPTIDE\_HORMONE

Running Enrichment Score

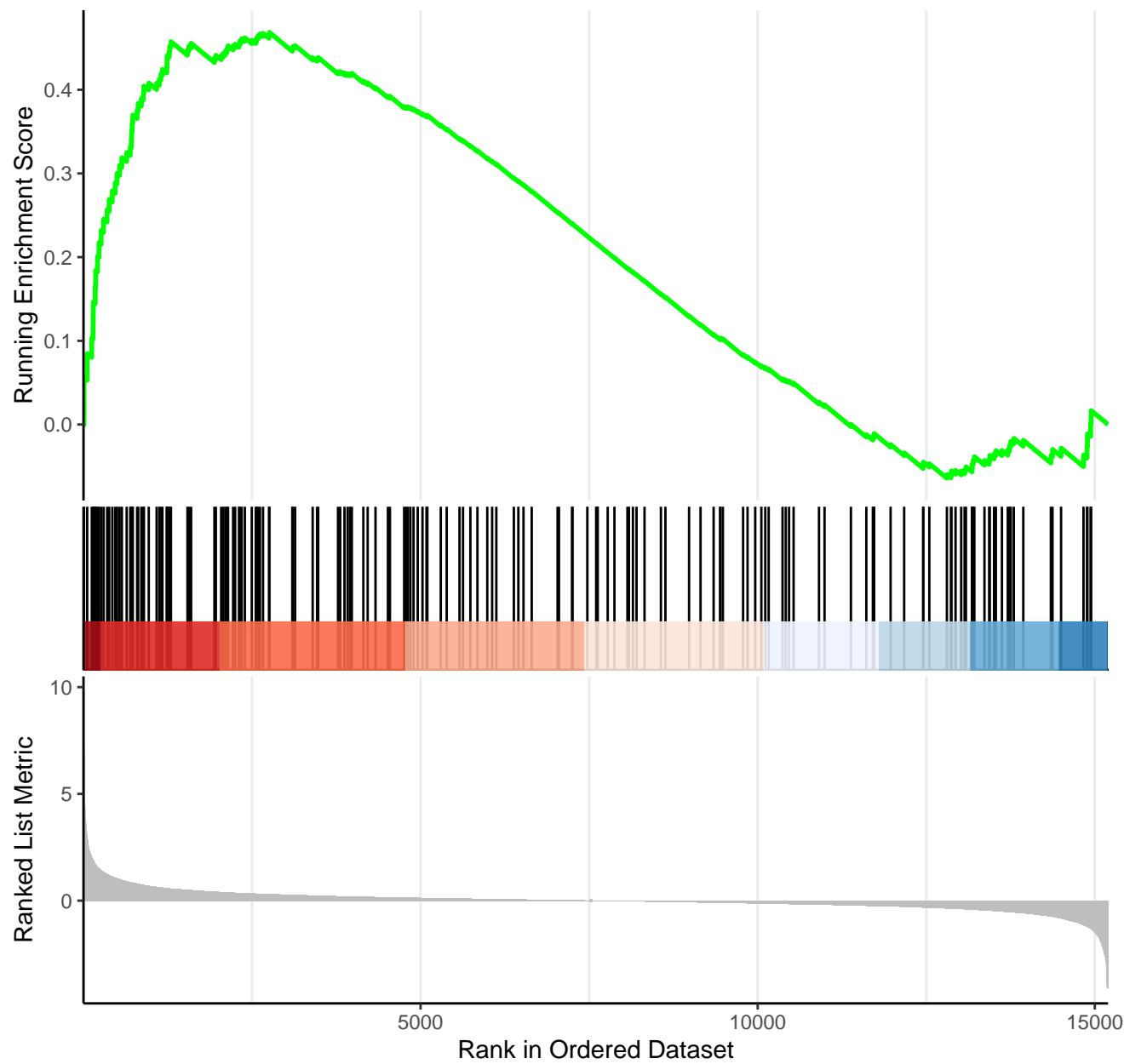


Ranked List Metric



Rank in Ordered Dataset

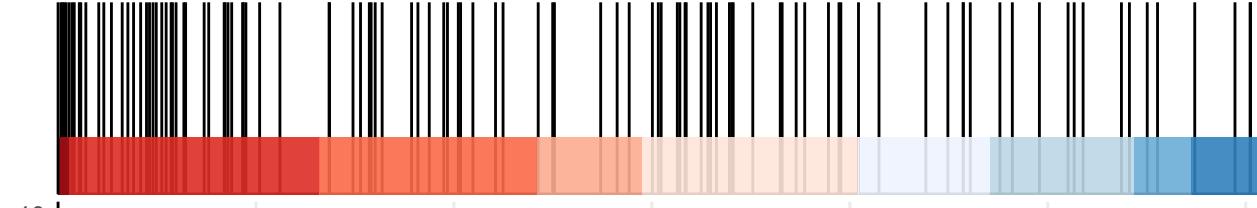
# GOBP\_REGULATION\_OF\_CELL\_SUBSTRATE\_ADHESION



# GOBP\_INSULIN\_RECEPTOR\_SIGNALING\_PATHWAY

Running Enrichment Score

0.4  
0.2  
0.0



Ranked List Metric

10  
5  
0

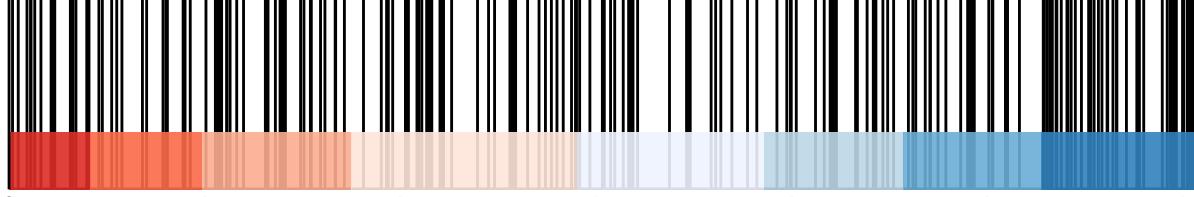
5000 10000 15000

Rank in Ordered Dataset

# GOBP\_POSITIVE\_REGULATION\_OF\_NERVOUS\_SYSTEM\_DEVELOPMENT

Running Enrichment Score

0.0  
-0.2  
-0.4



Ranked List Metric

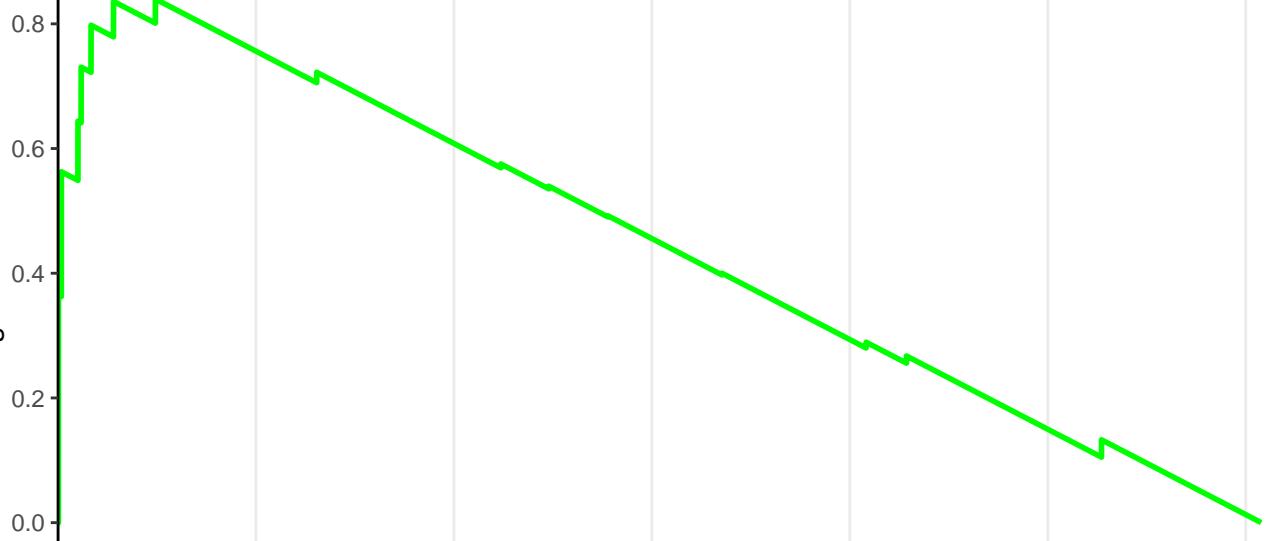
10  
5  
0

5000 10000 15000

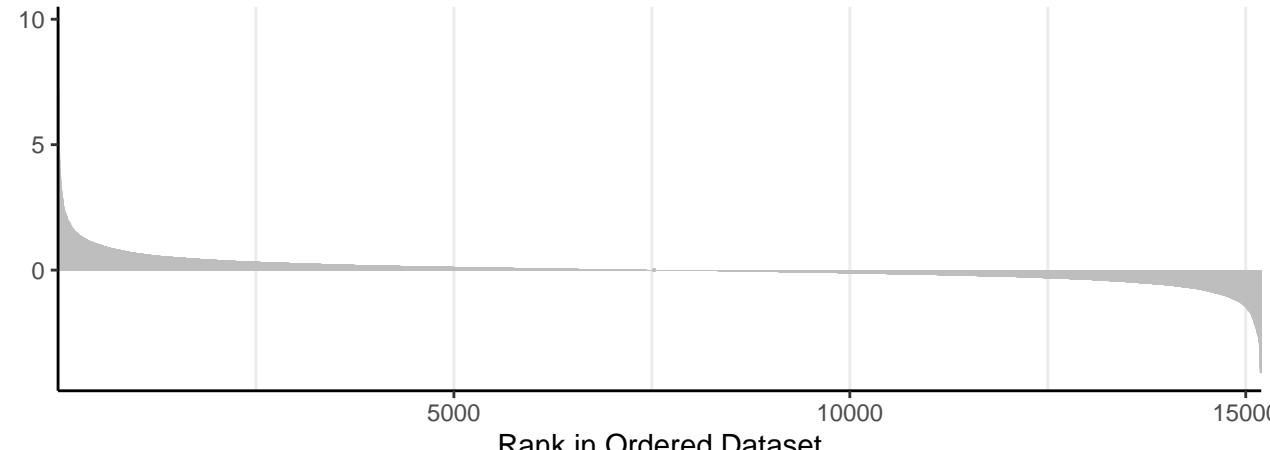
Rank in Ordered Dataset

# GOBP GLUTAMINE\_FAMILY\_AMINO\_ACID\_CATABOLIC\_PROCESS

Running Enrichment Score



Ranked List Metric



# GOBP-ENDOCRINE-PROCESS

Running Enrichment Score

0.6  
0.4  
0.2  
0.0

-0.2

10

5

0

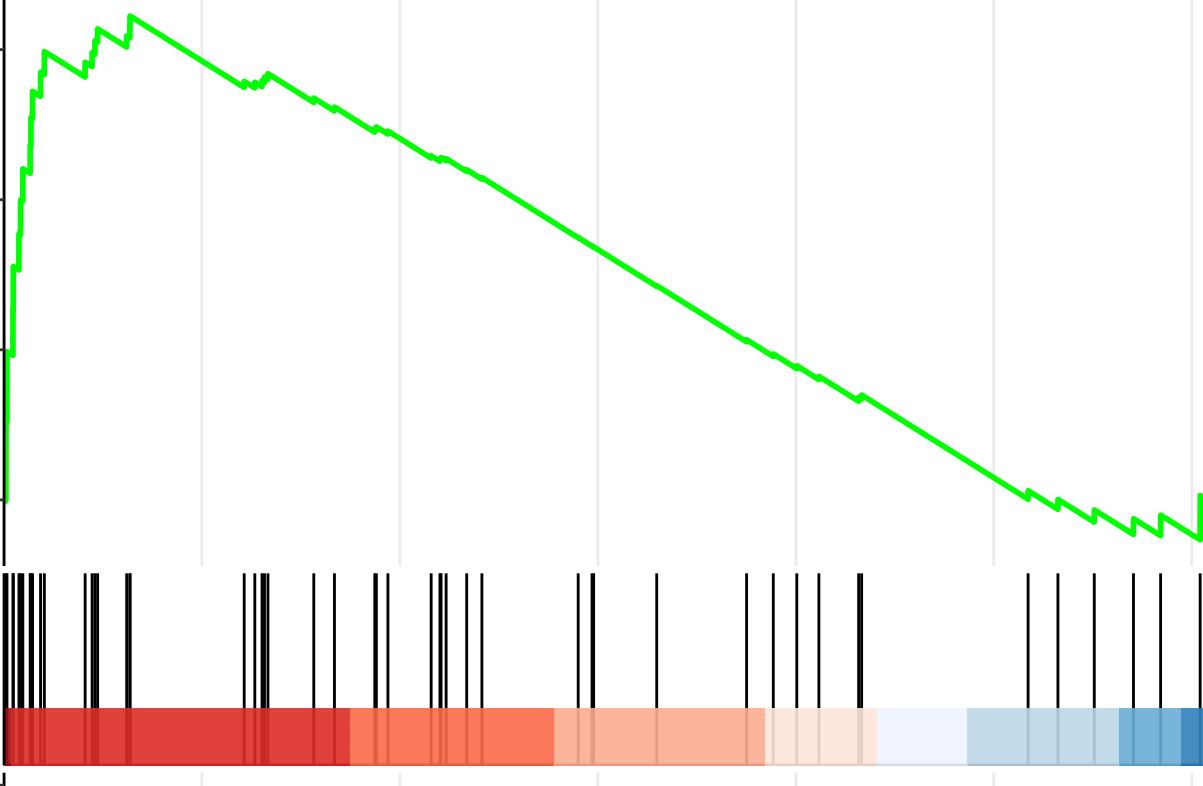
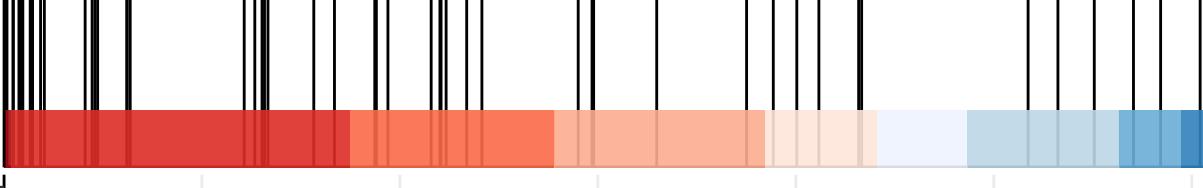
Ranked List Metric

5000

10000

15000

Rank in Ordered Dataset

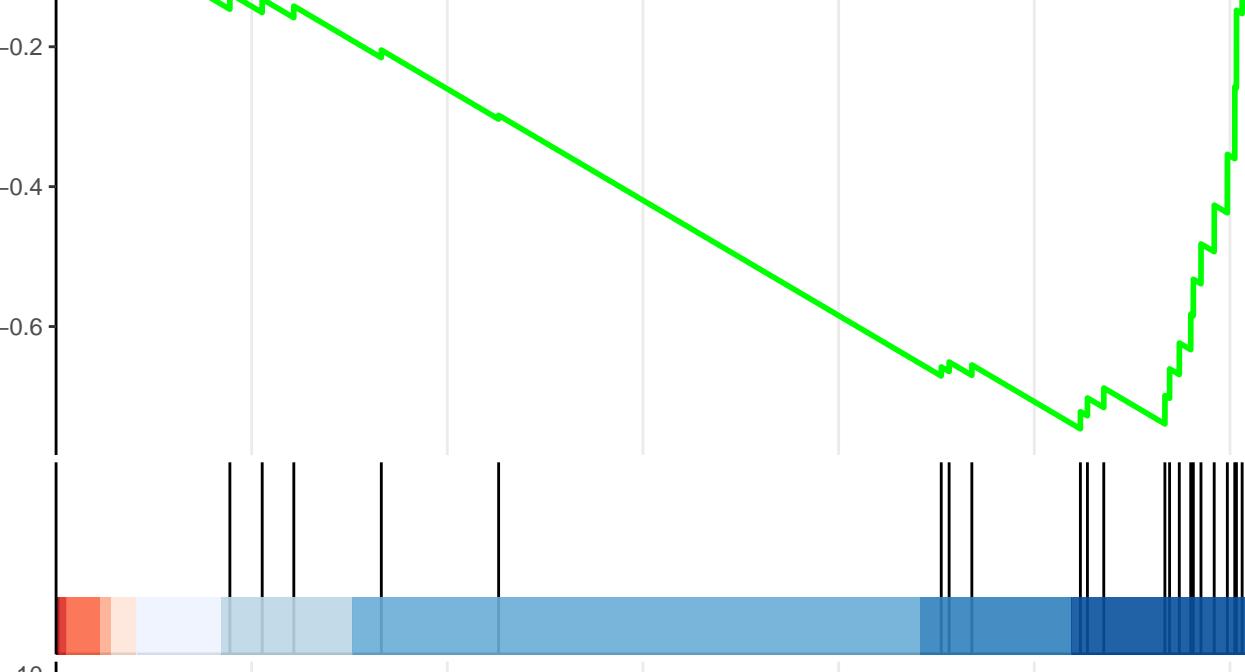


# GOBP\_EPIDERMIS\_MORPHOGENESIS

Running Enrichment Score

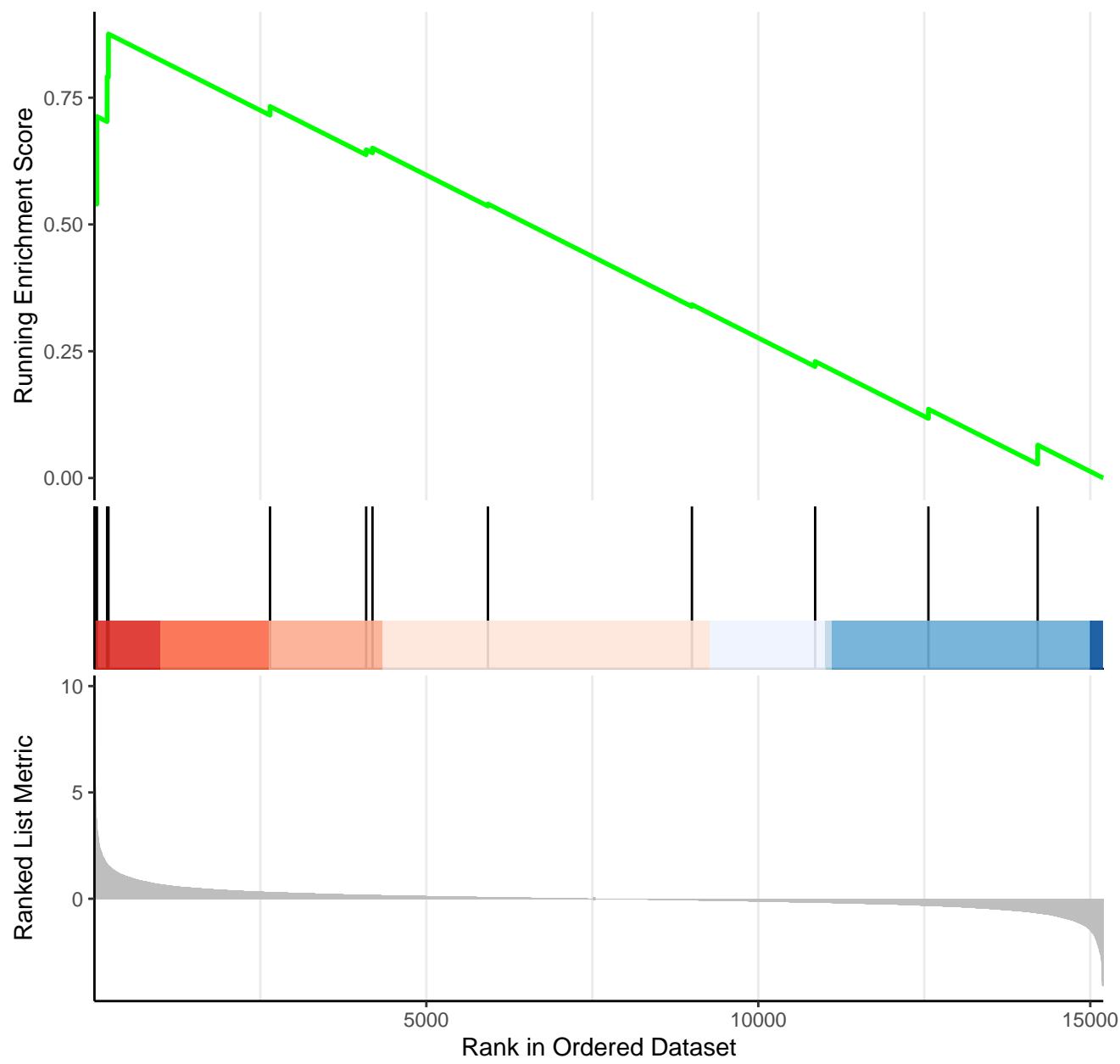


Ranked List Metric



Rank in Ordered Dataset

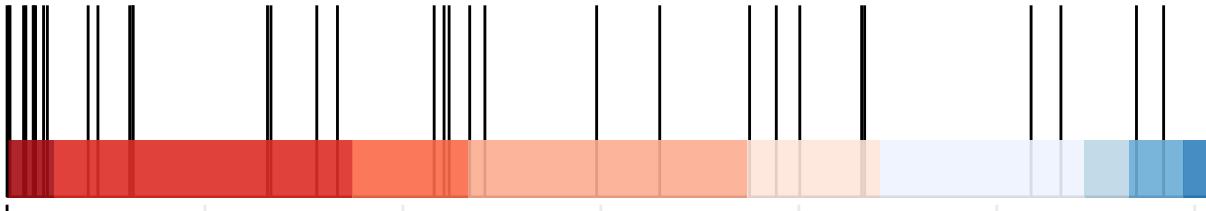
# GOBP\_REGULATION\_OF\_PEROXISOME\_PROLIFERATOR\_ACTIVATED\_RECEP



# GOBP\_ENDOCRINE\_HORMONE\_SECRETION

Running Enrichment Score

0.6  
0.4  
0.2  
0.0



Ranked List Metric

-10  
-5  
0  
5  
10

5000

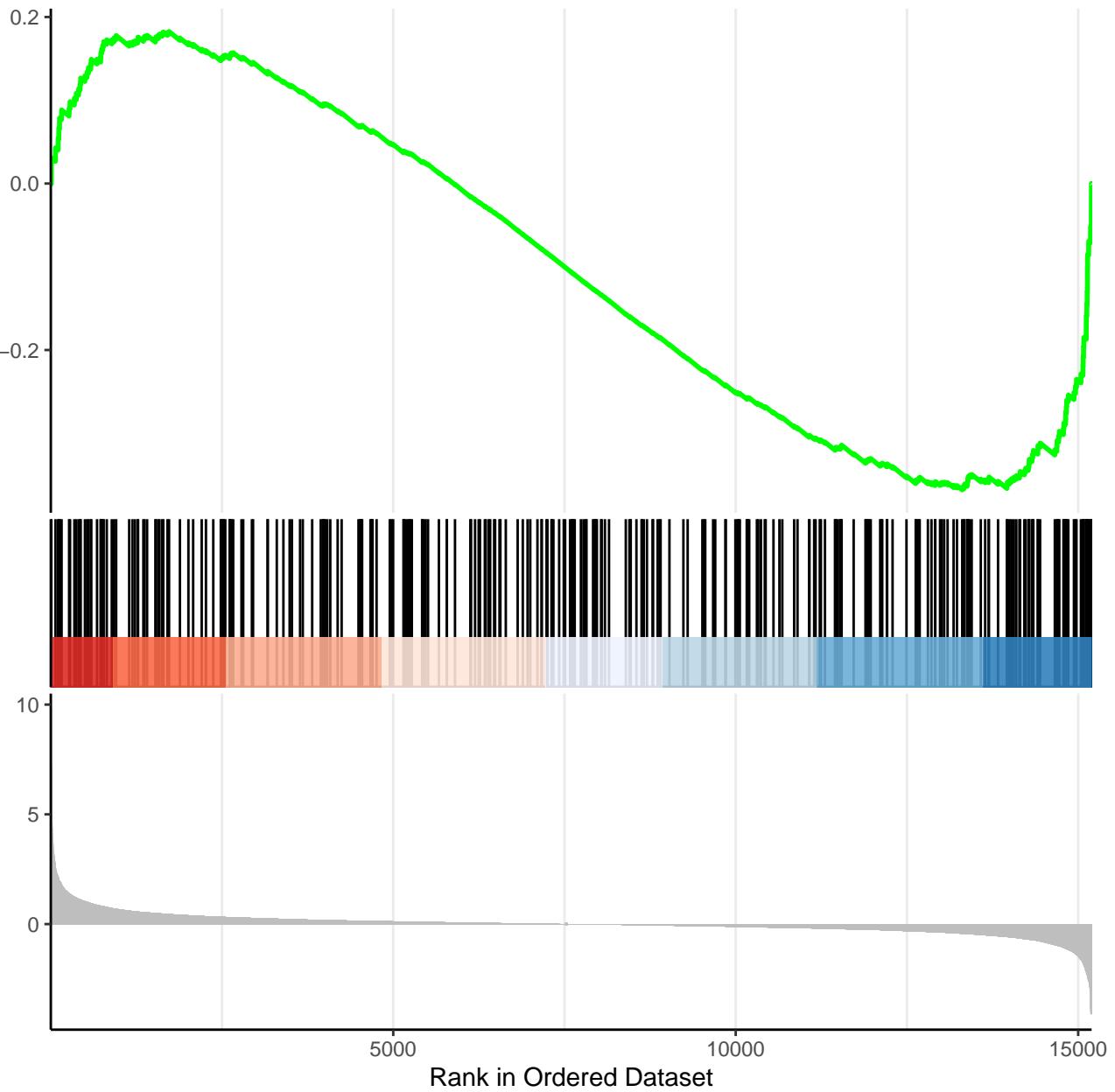
10000

15000

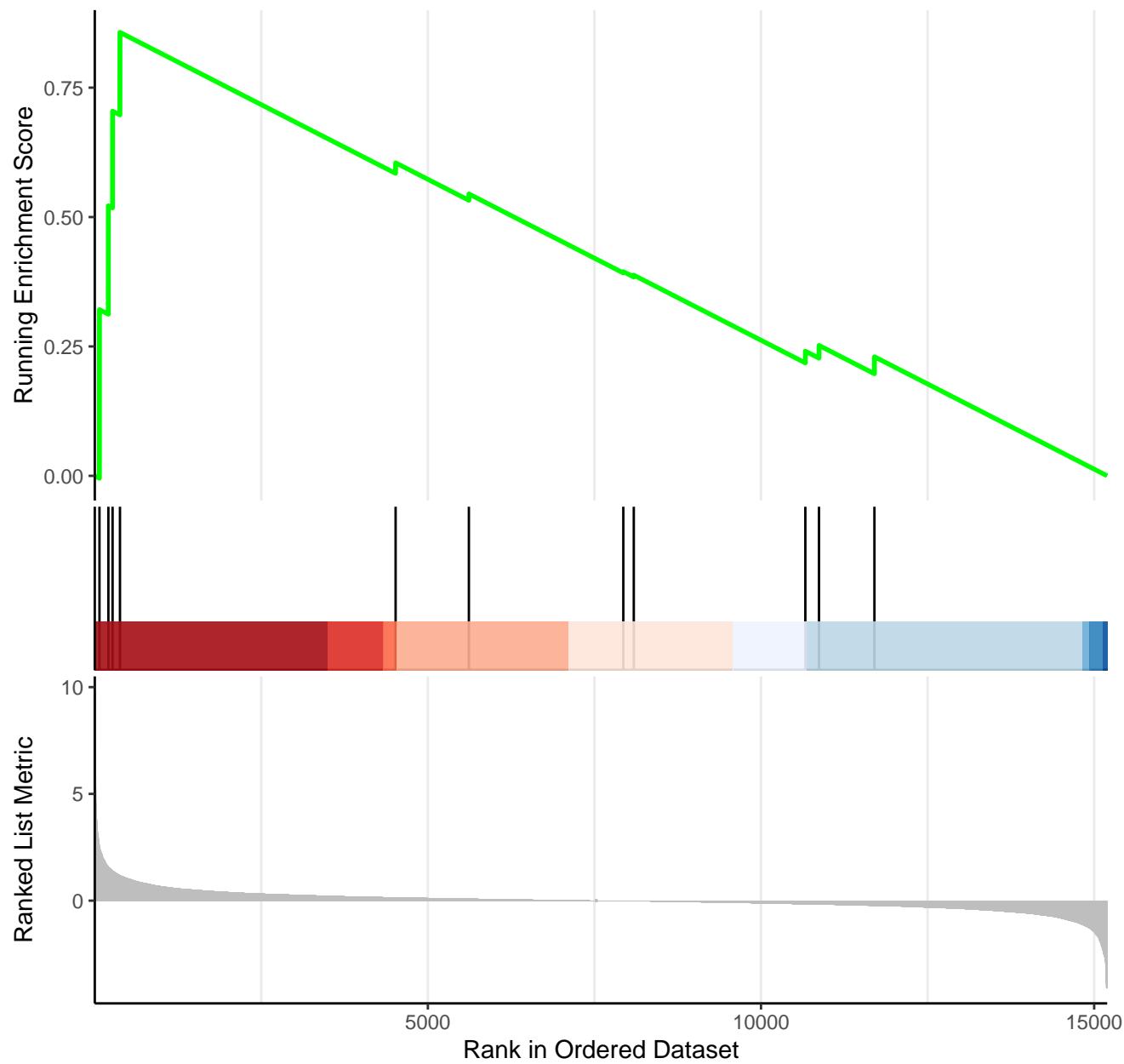
Rank in Ordered Dataset

# GOBP\_REGULATION\_OF\_TRANS\_SYNAPTIC\_SIGNALING

Running Enrichment Score

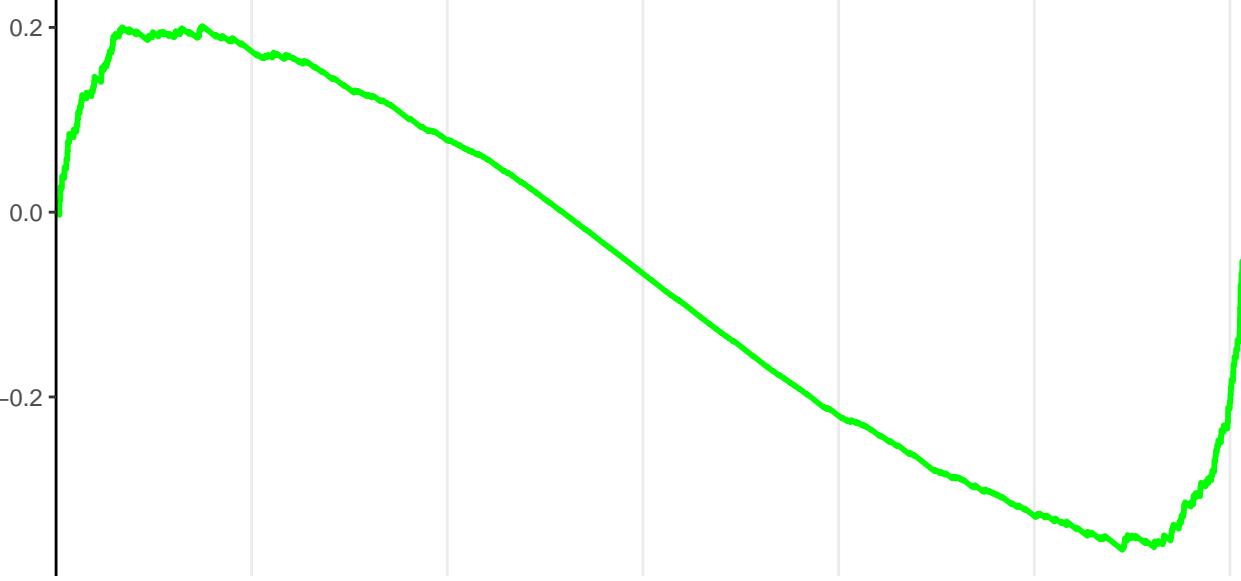


# GOBP\_SKELETAL\_MUSCLE\_ADAPTATION



# GOBP\_AXON\_DEVELOPMENT

Running Enrichment Score



Ranked List Metric

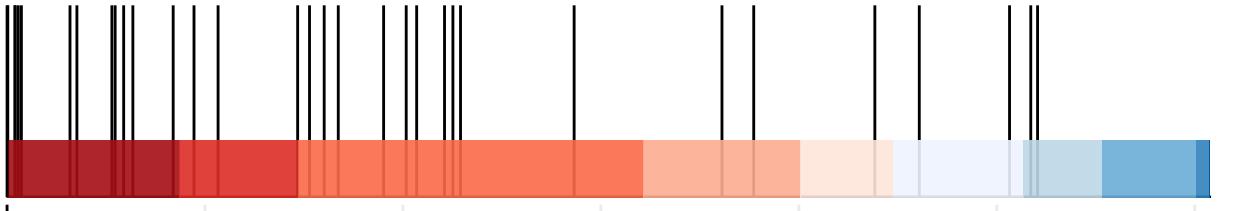


Rank in Ordered Dataset

# GOBP\_POSITIVE\_REGULATION\_OF\_GLUCOSE\_TRANSMEMBRANE\_TRANS

Running Enrichment Score

0.6  
0.4  
0.2  
0.0



Ranked List Metric

10  
5  
0

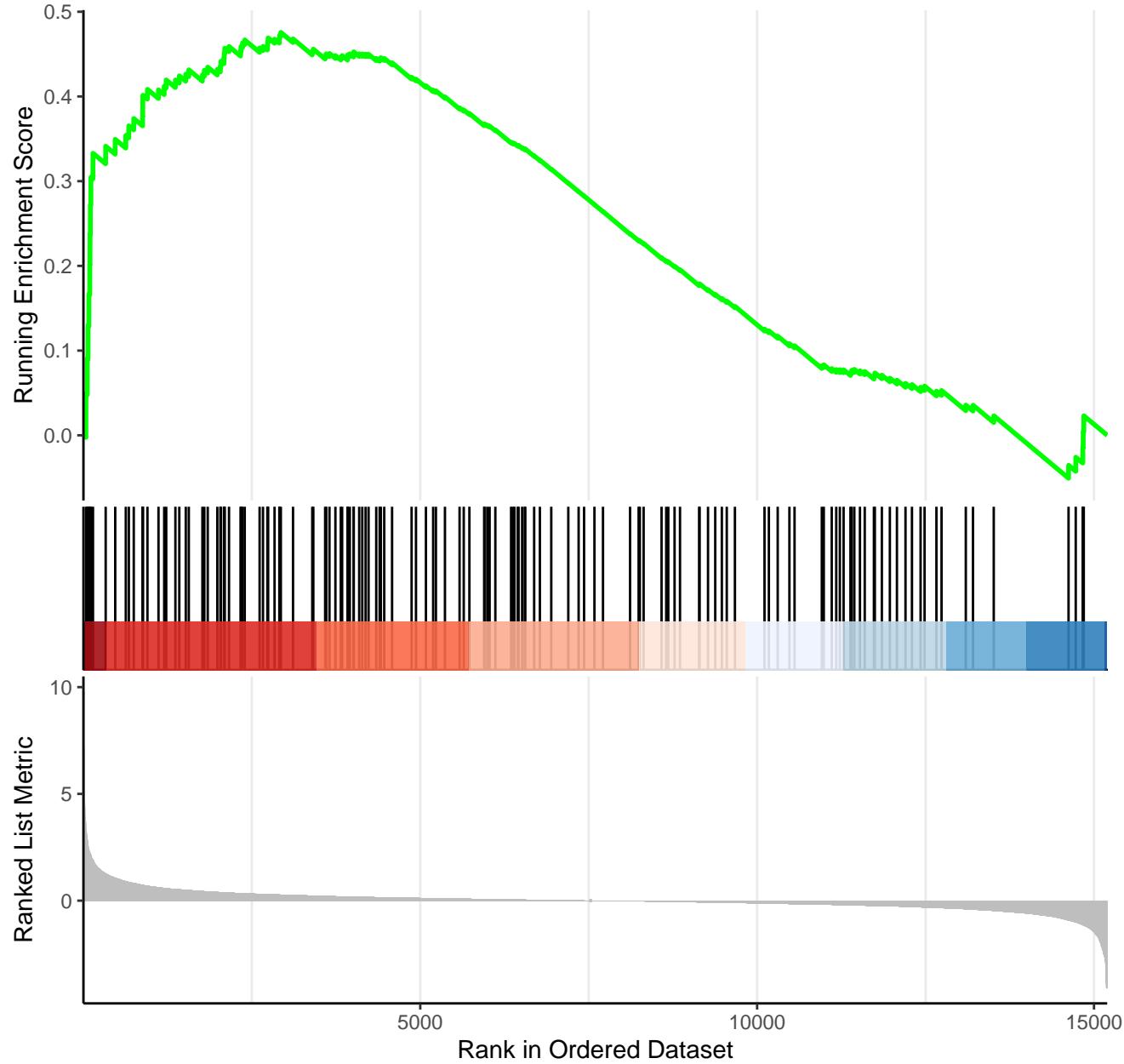
5000

10000

15000

Rank in Ordered Dataset

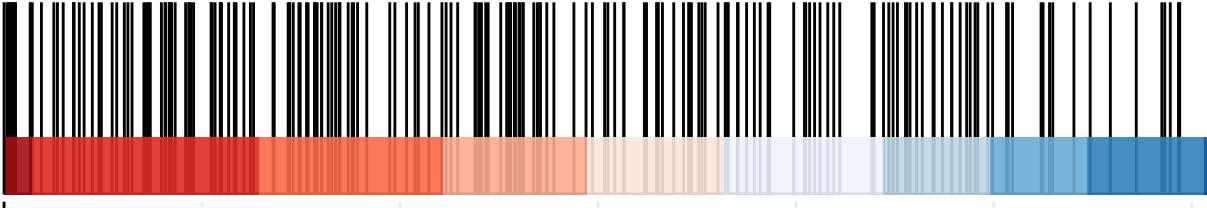
# GOBP\_GLUCOSE\_METABOLIC\_PROCESS



# GOBP\_MONOSACCHARIDE\_METABOLIC\_PROCESS

Running Enrichment Score

0.4  
0.3  
0.2  
0.1  
0.0



Ranked List Metric

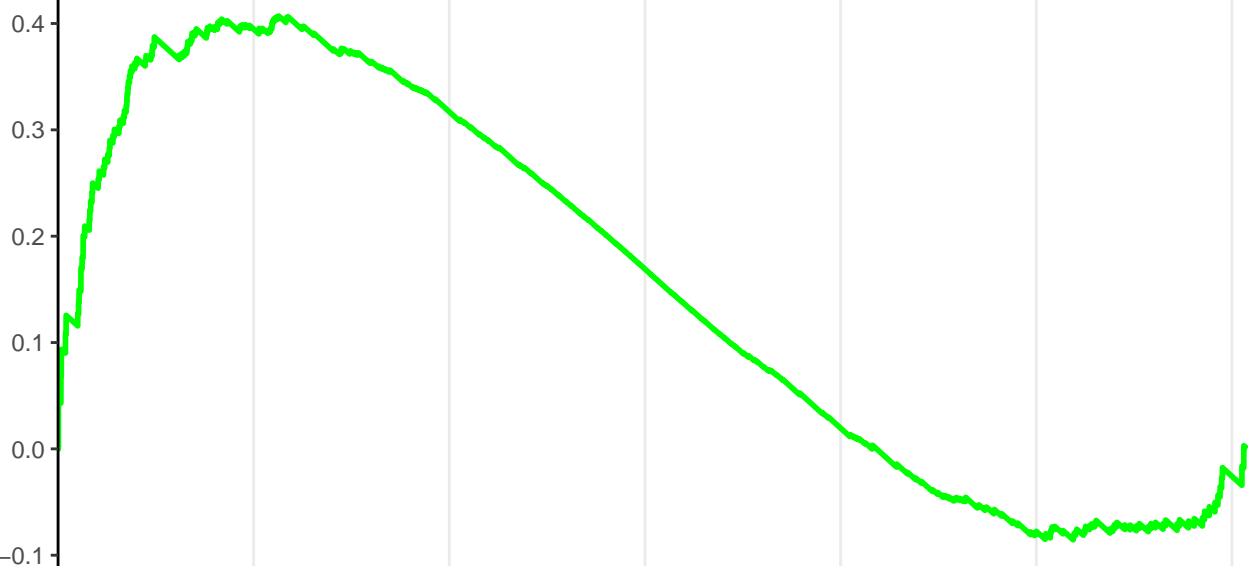
10  
5  
0

5000 10000 15000

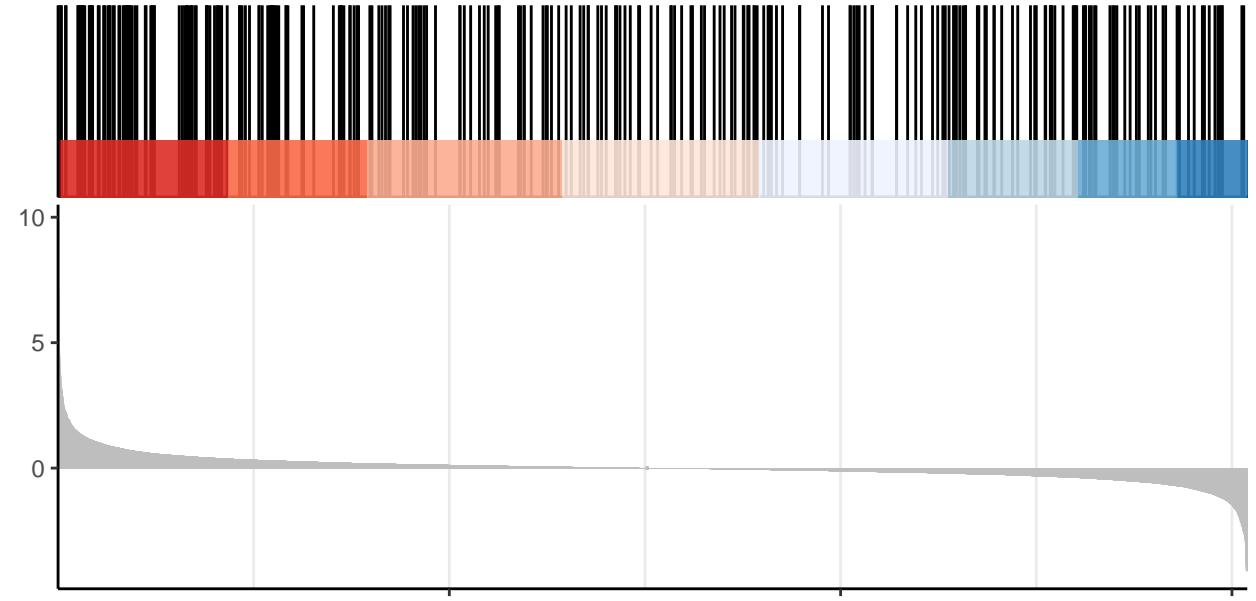
Rank in Ordered Dataset

# GOBP\_SMALL\_MOLECULE\_CATABOLIC\_PROCESS

Running Enrichment Score



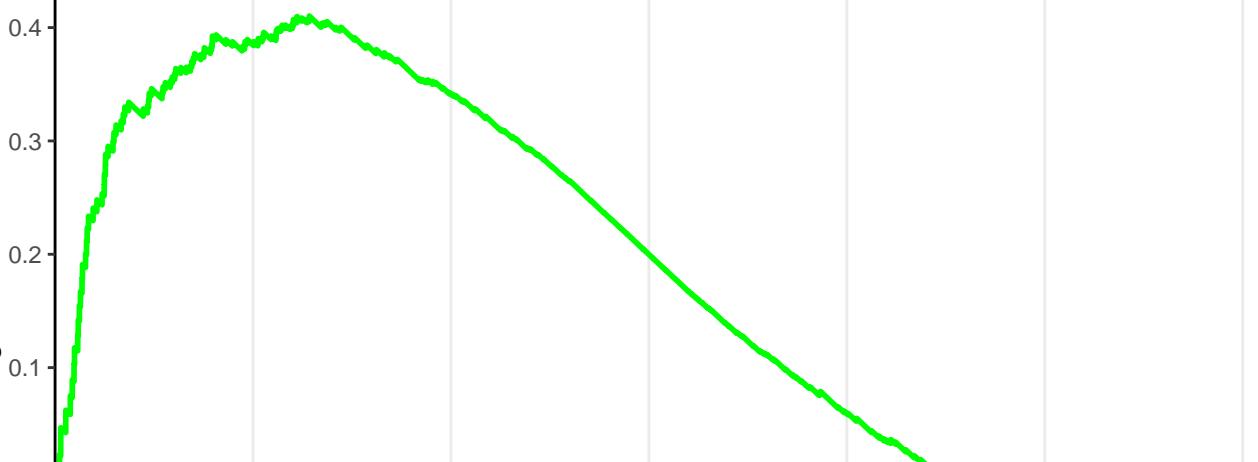
Ranked List Metric



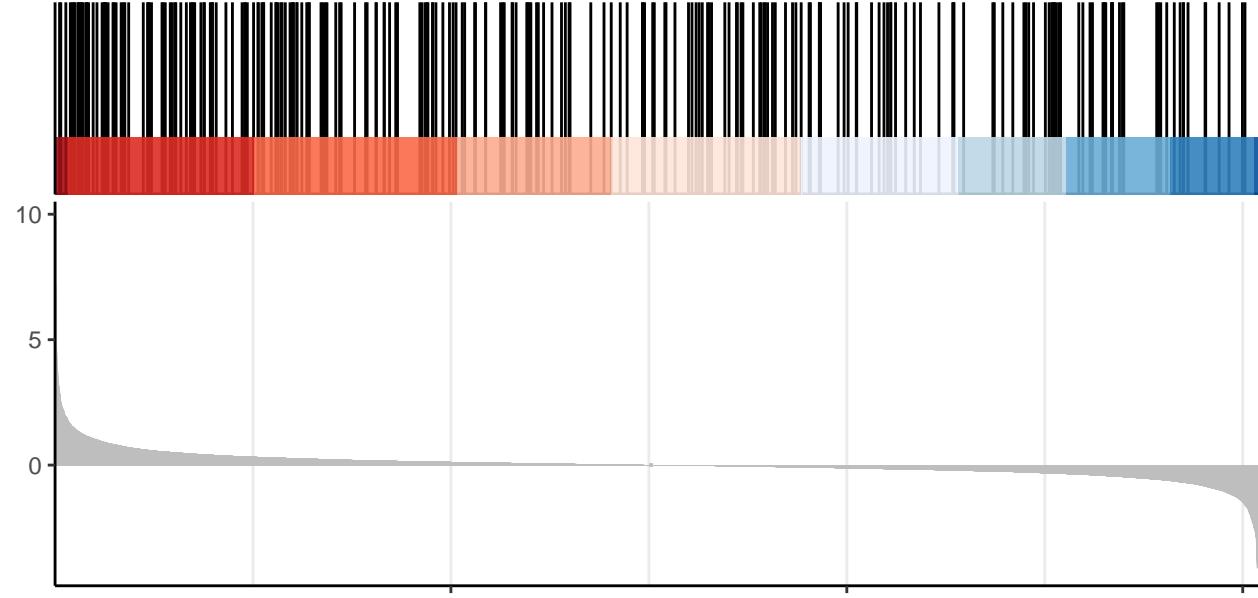
Rank in Ordered Dataset

# GOBP\_SULFUR\_COMPOUND\_METABOLIC\_PROCESS

Running Enrichment Score



Ranked List Metric



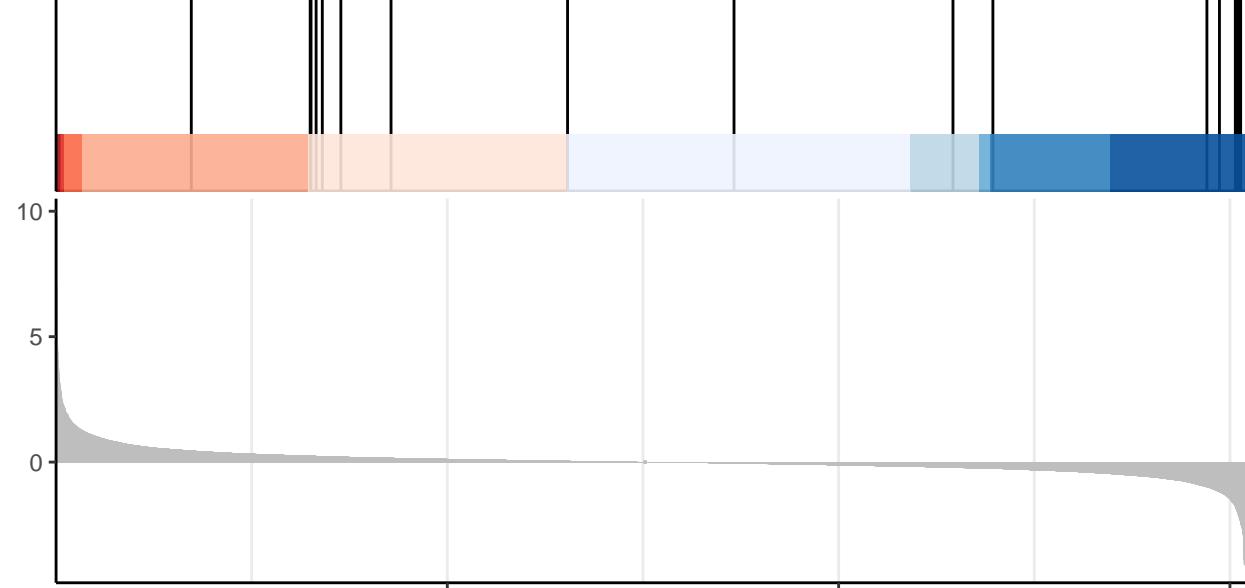
Rank in Ordered Dataset

# GOBP\_SENSORY\_PERCEPTION\_OF\_TEMPERATURE\_STIMULUS

Running Enrichment Score



Ranked List Metric



Rank in Ordered Dataset

# GOBP\_CELLULAR\_RESPONSE\_TO\_COPPER\_ION

Running Enrichment Score

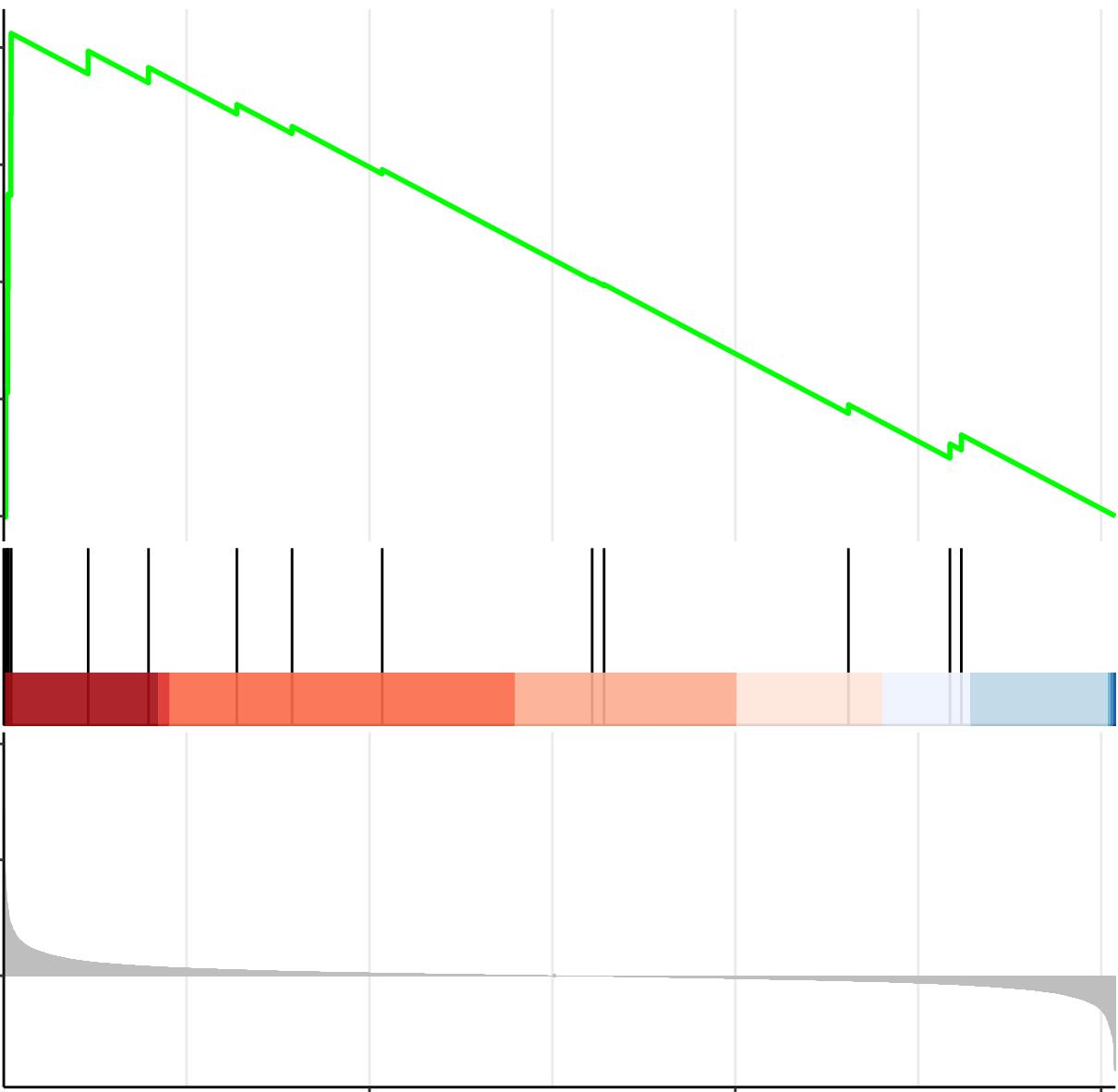
0.8  
0.6  
0.4  
0.2  
0.0

Ranked List Metric

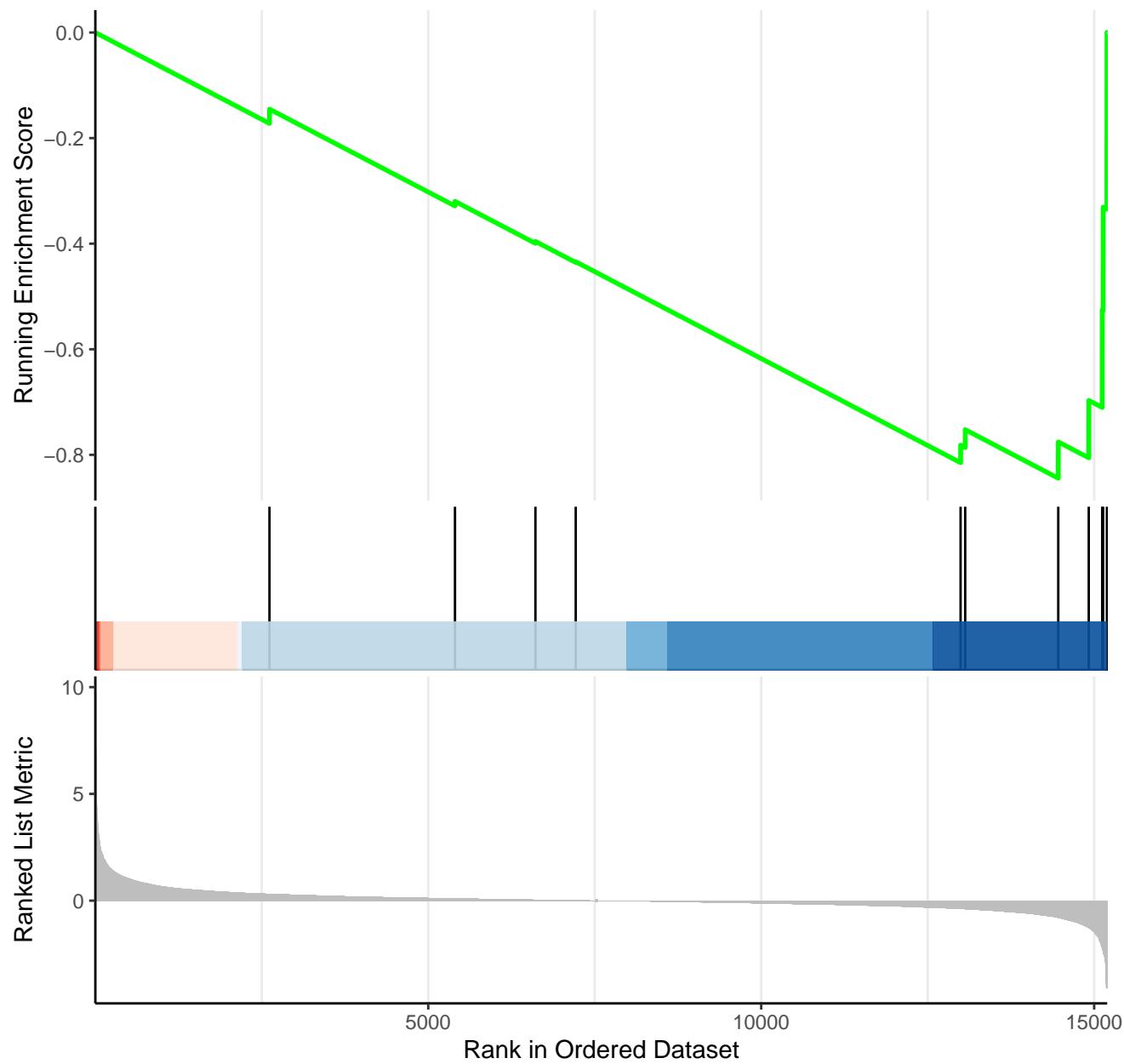
10  
5  
0

5000 10000 15000

Rank in Ordered Dataset

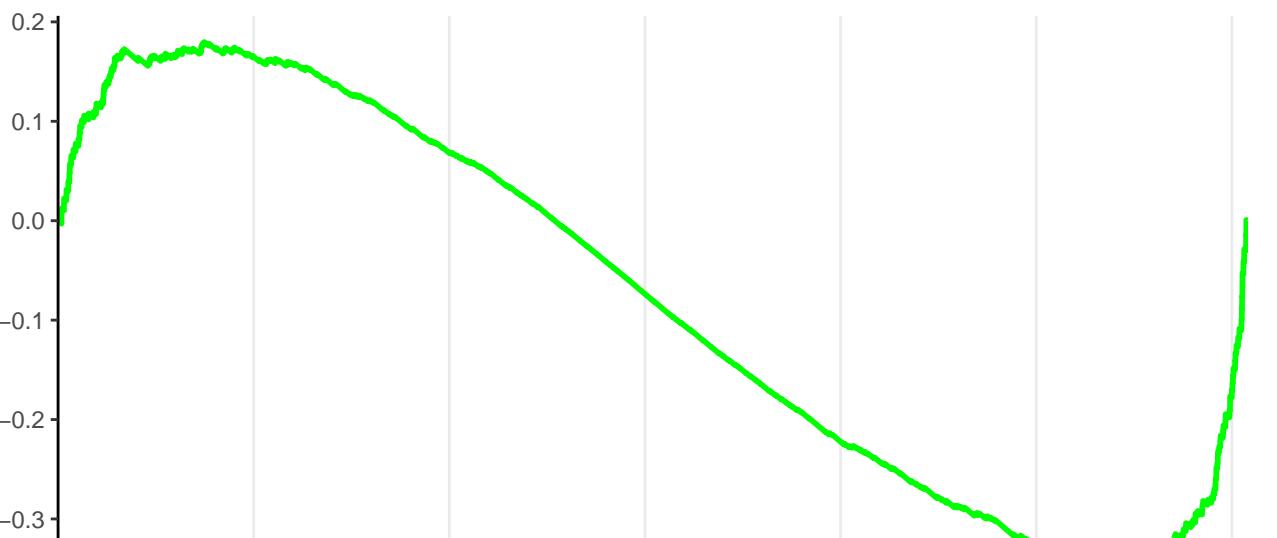


# GOBP\_POSITIVE\_REGULATION\_OF\_CREB\_TRANSCRIPTION\_FACTOR\_ACTIVITY

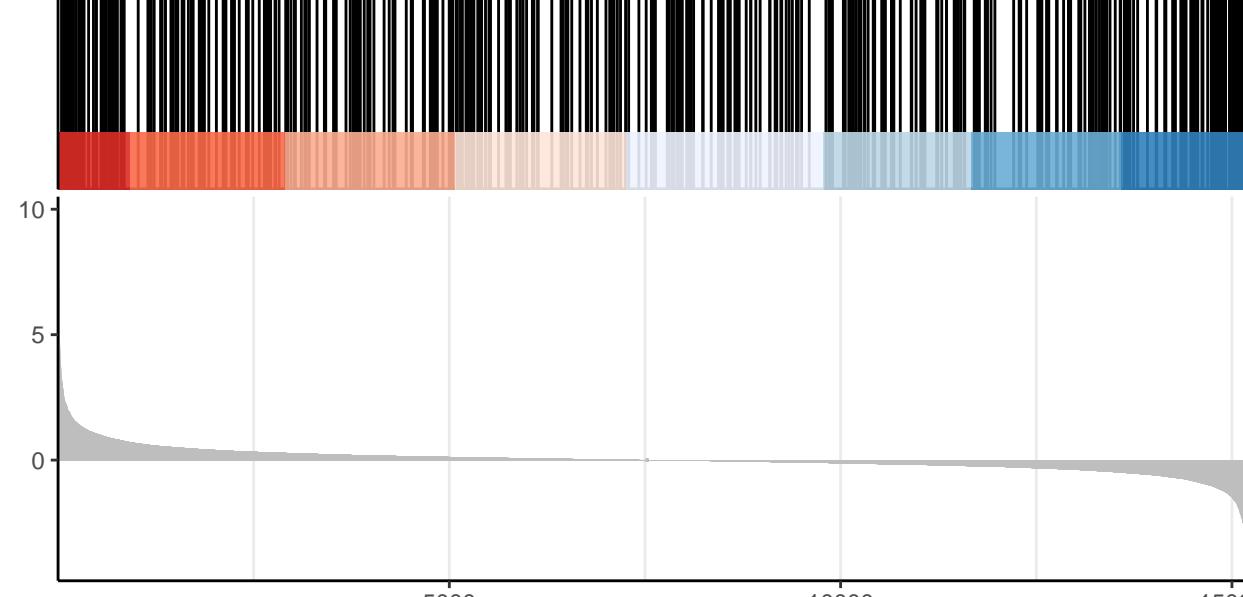


# GOBP\_CELL\_MORPHOGENESIS\_INVOLVED\_IN\_NEURON\_DIFFERENTIATION

Running Enrichment Score



Ranked List Metric

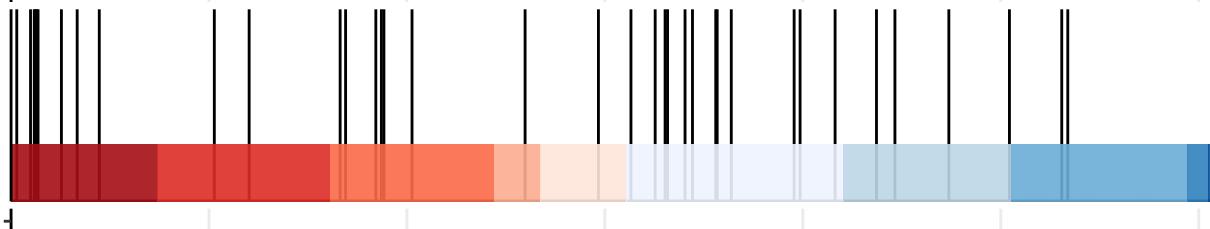


Rank in Ordered Dataset

# GOBP\_SULFUR\_COMPOUND\_CATABOLIC\_PROCESS

Running Enrichment Score

0.6  
0.4  
0.2  
0.0



Ranked List Metric

10  
5  
0

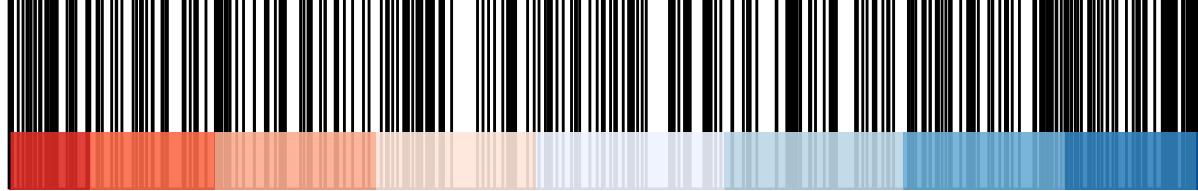
5000 10000 15000

Rank in Ordered Dataset

# GOBP\_REGULATION\_OF\_NERVOUS\_SYSTEM\_DEVELOPMENT

Running Enrichment Score

0.1  
0.0  
-0.1  
-0.2  
-0.3



Ranked List Metric

10  
5  
0

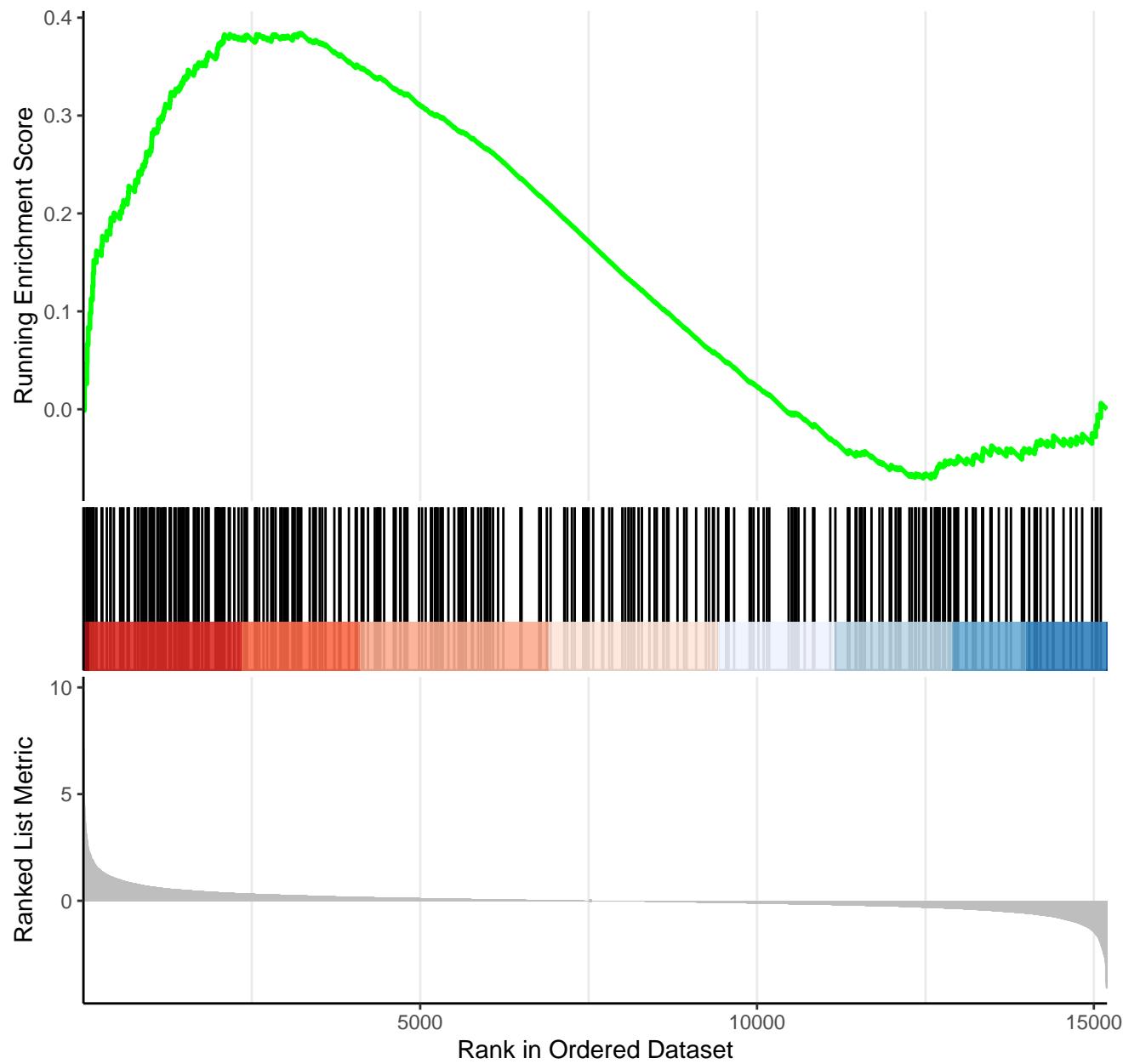
5000

10000

15000

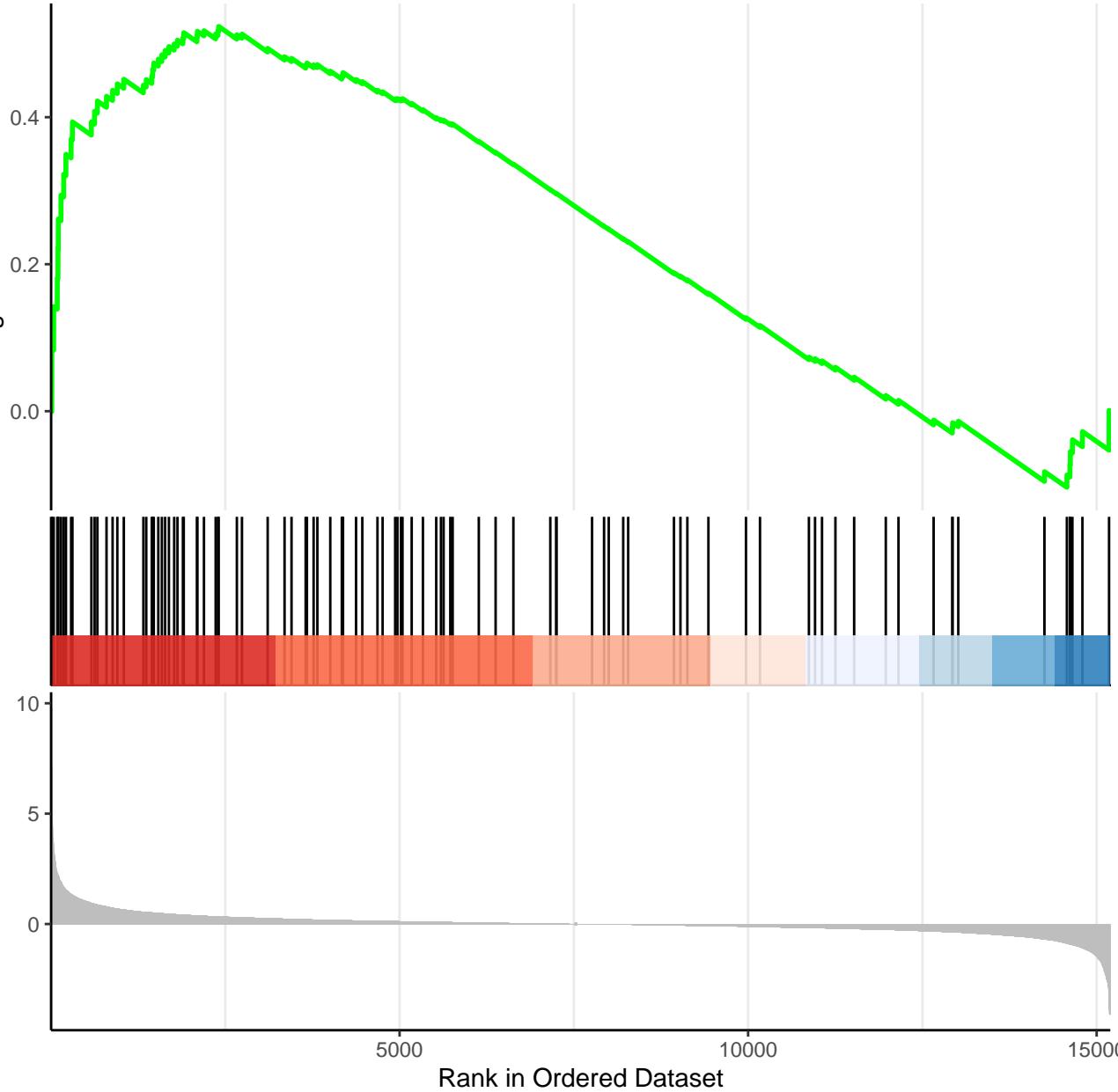
Rank in Ordered Dataset

# GOBP\_AMIDE\_METABOLIC\_PROCESS



# GOBP\_CARBOHYDRATE\_TRANSPORT

Running Enrichment Score



Ranked List Metric

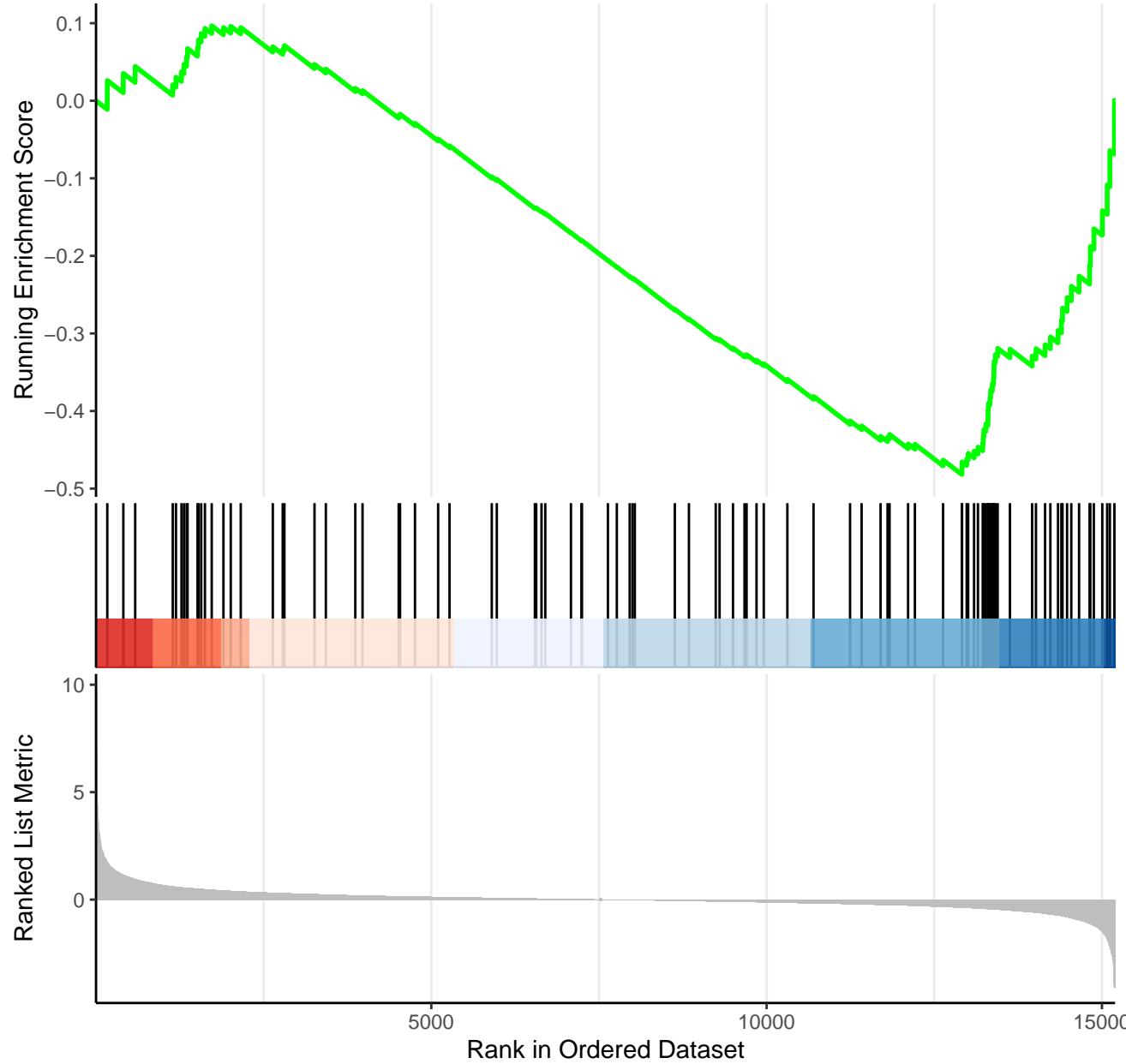
5000

10000

15000

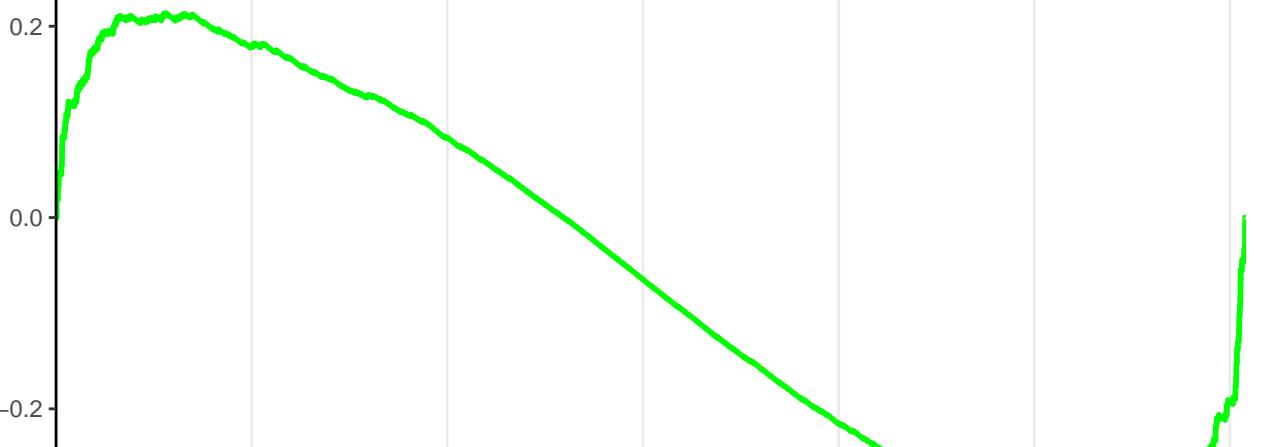
Rank in Ordered Dataset

# GOBP\_LEARNING

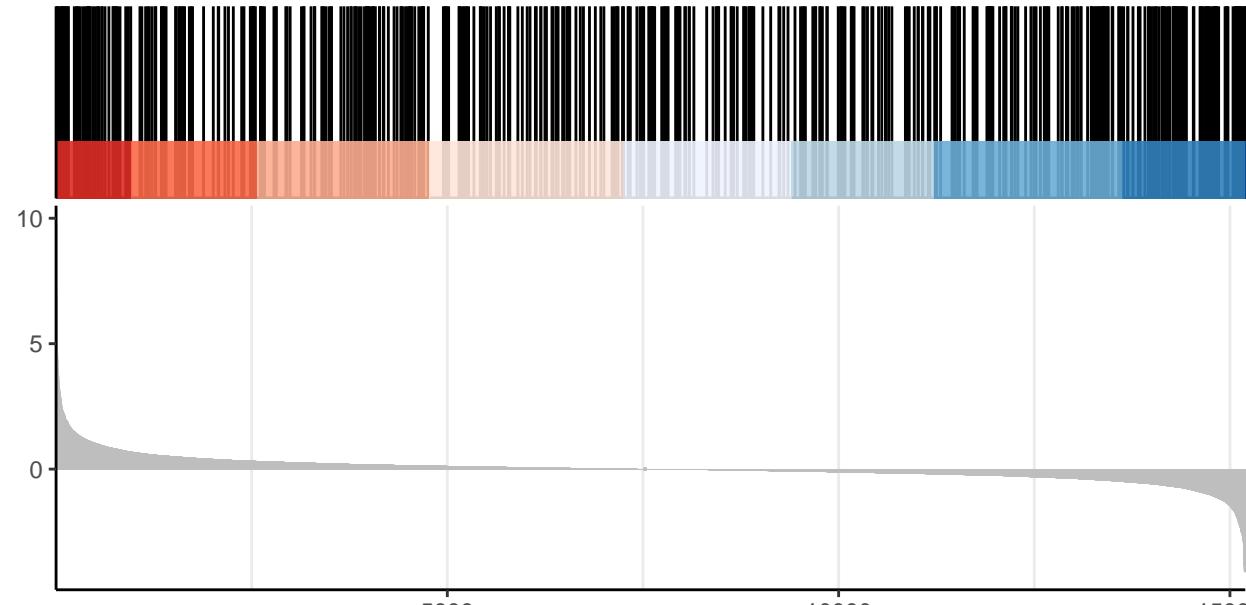


# GOBP\_SYNAPTIC\_SIGNALING

Running Enrichment Score



Ranked List Metric



Rank in Ordered Dataset

# GOBP\_MUSCLE\_SYSTEM\_PROCESS

Running Enrichment Score

0.4  
0.2  
0.0  
-0.2



Ranked List Metric

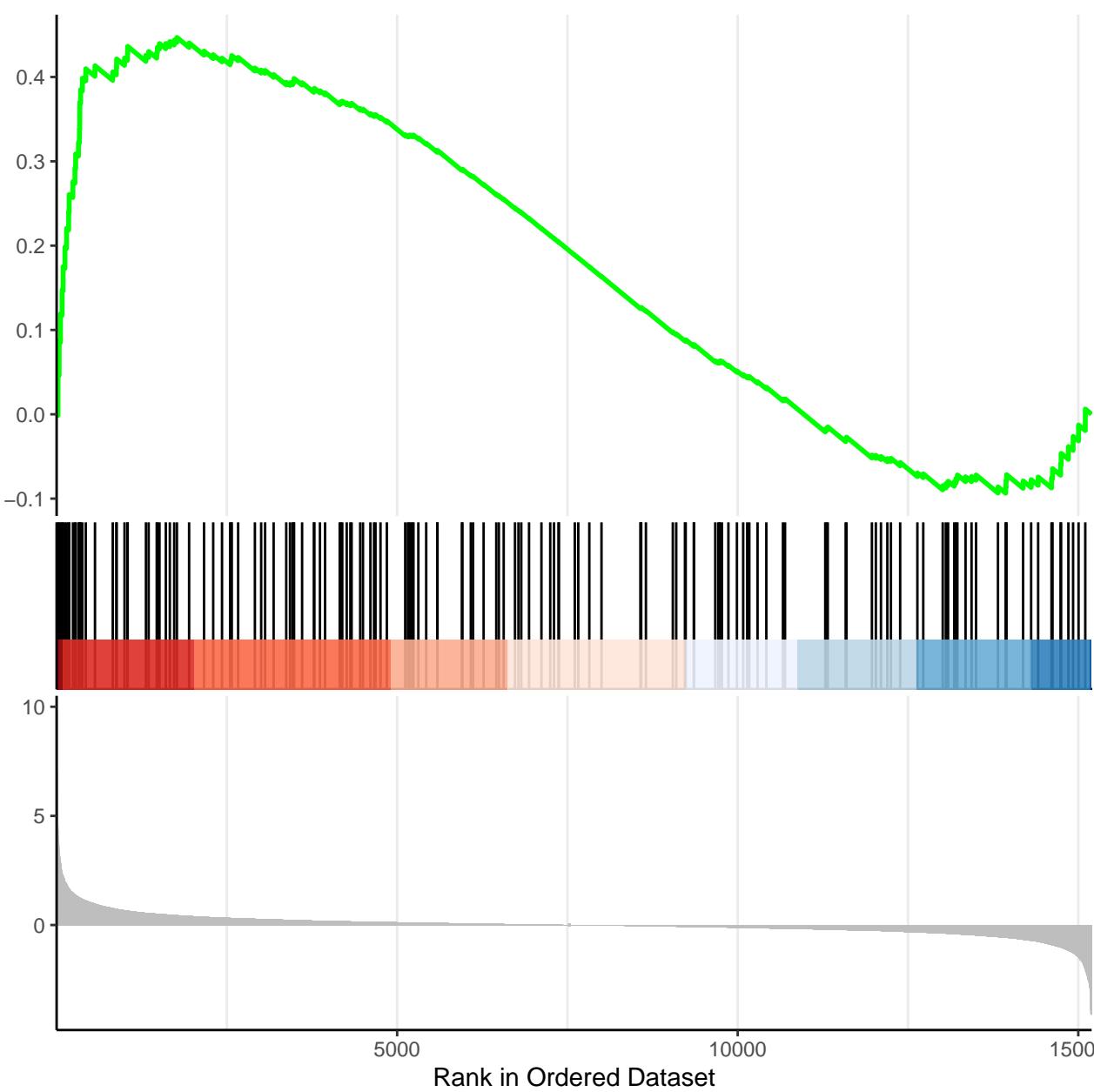
10  
5  
0

5000 10000 15000

Rank in Ordered Dataset

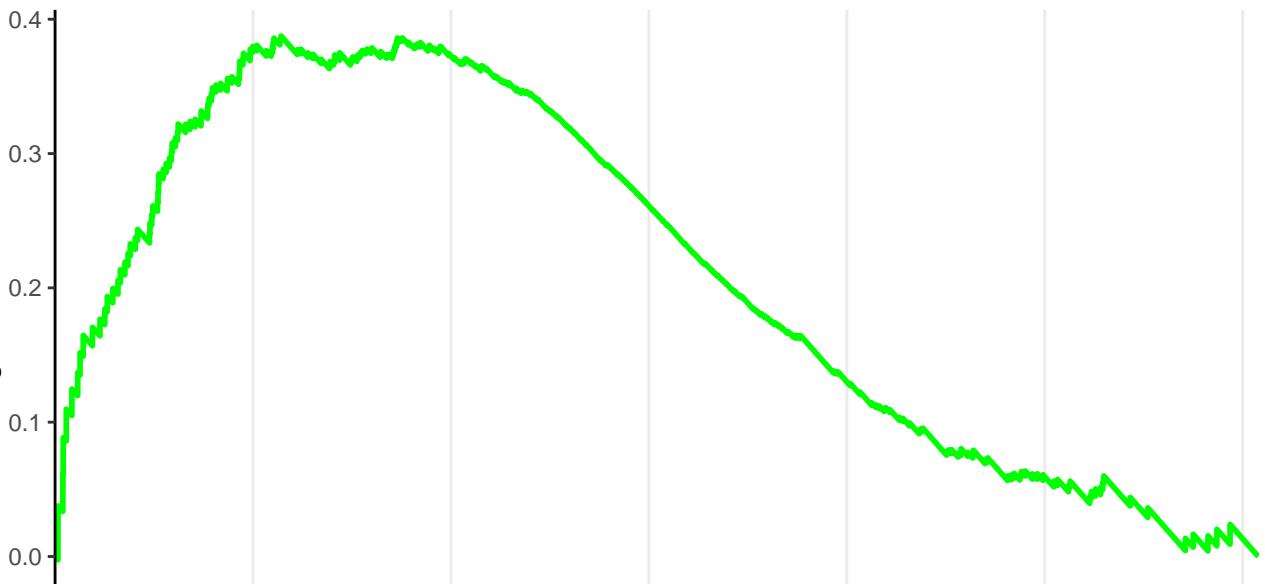
# GOBP\_REACTIVE\_OXYGEN\_SPECIES\_METABOLIC\_PROCESS

Running Enrichment Score

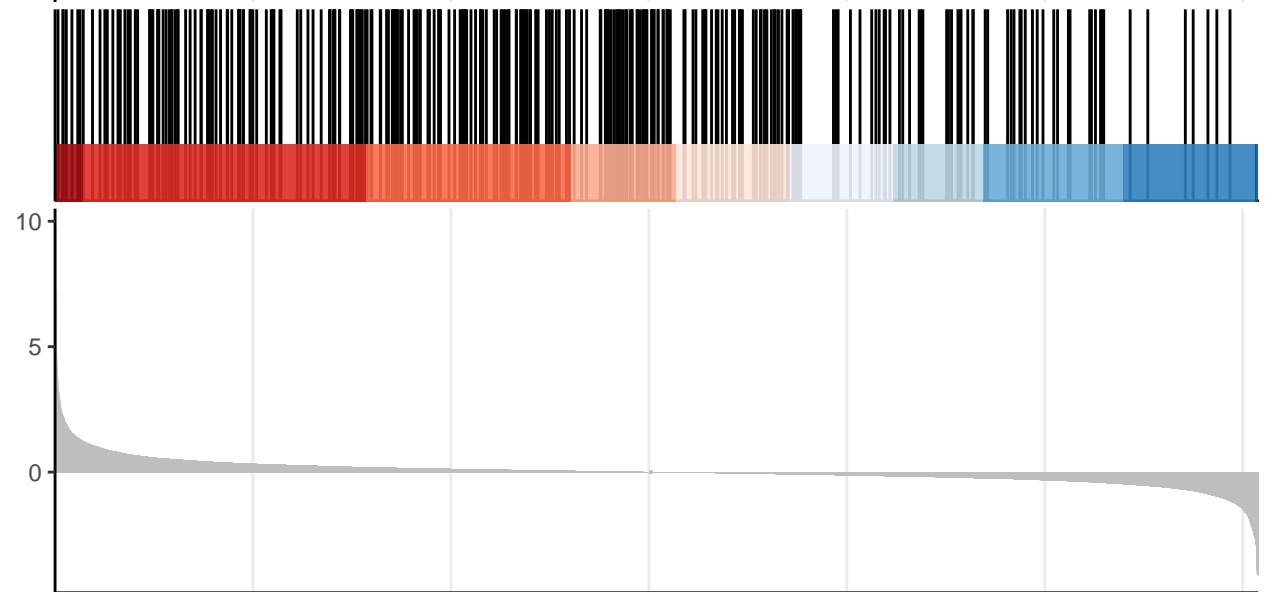


# GOBP\_ENERGY\_DERIVATION\_BY\_OXIDATION\_OF\_ORGANIC\_COMPOUND

Running Enrichment Score

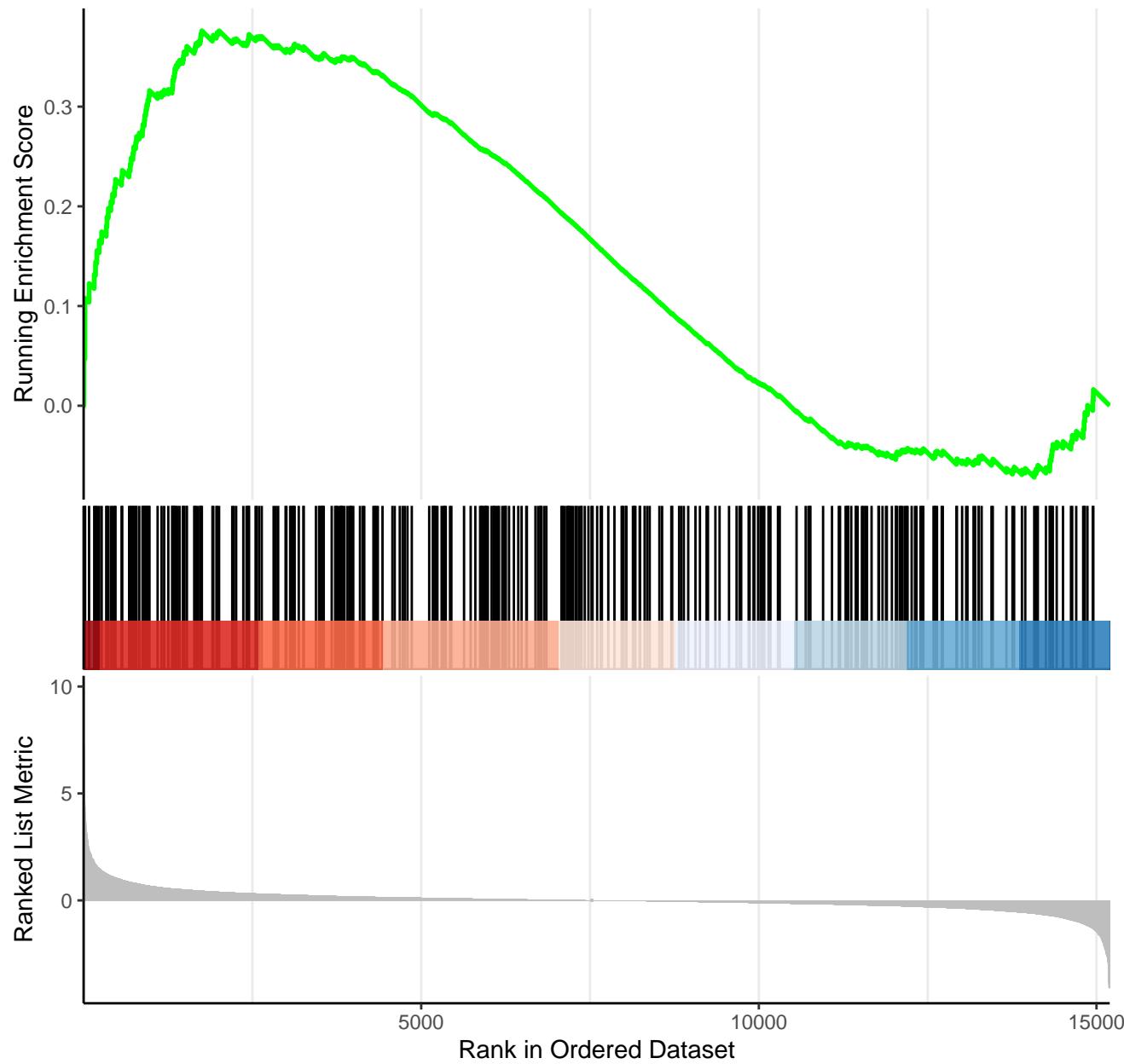


Ranked List Metric



Rank in Ordered Dataset

# GOBP\_RESPONSE\_TO\_OXIDATIVE\_STRESS



# GOBP\_RESPONSE\_TO\_COPPER\_ION

Running Enrichment Score

0.0

0.2

0.4

0.6

0.8

1.0

1.2

1.4

1.6

1.8

2.0

2.2

2.4

2.6

2.8

3.0

3.2

3.4

3.6

3.8

4.0

4.2

4.4

4.6

4.8

5.0

5.2

5.4

5.6

5.8

6.0

6.2

6.4

6.6

6.8

7.0

7.2

7.4

7.6

7.8

8.0

8.2

8.4

8.6

8.8

9.0

9.2

9.4

9.6

9.8

10.0

10.2

10.4

10.6

10.8

11.0

11.2

11.4

11.6

11.8

12.0

12.2

12.4

12.6

12.8

13.0

13.2

13.4

13.6

13.8

14.0

14.2

14.4

14.6

14.8

15.0

Ranked List Metric

10

5

0

-5

-10

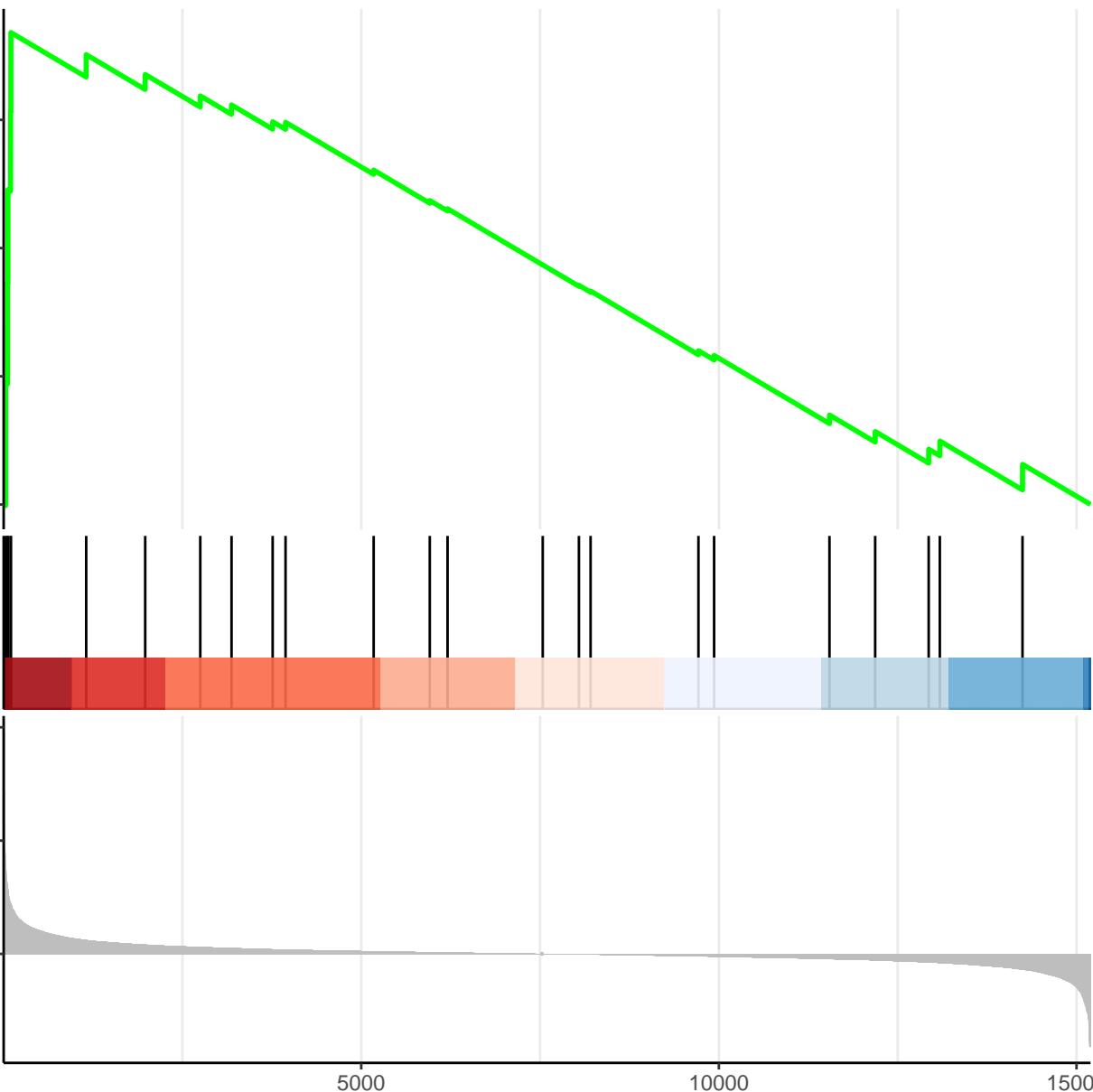
-15

5000

10000

15000

Rank in Ordered Dataset



# GOBP\_NEGATIVE\_REGULATION\_OF\_ENDOTHELIAL\_CELL\_PROLIFERATION

Running Enrichment Score

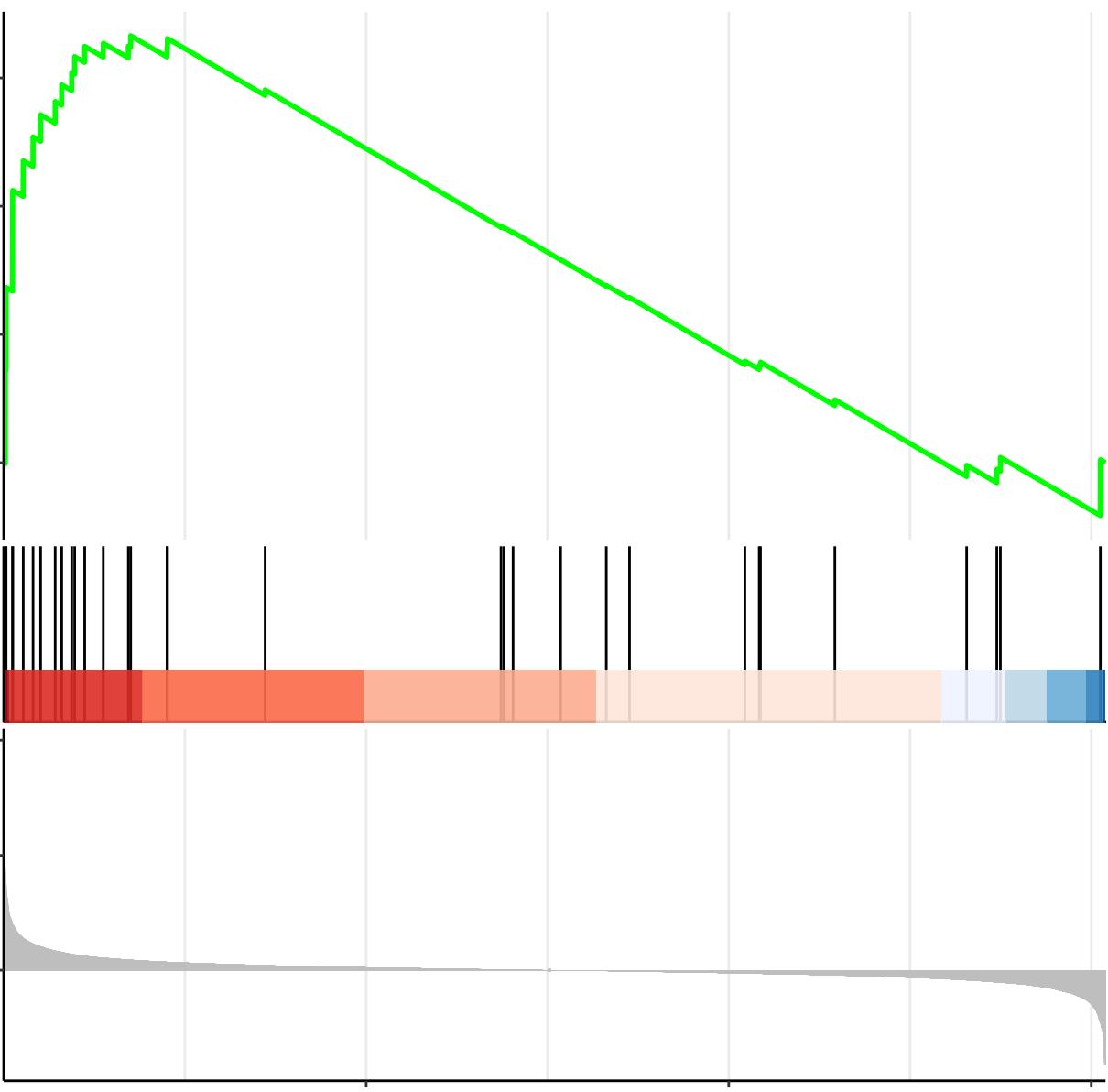
0.6  
0.4  
0.2  
0.0

10  
5  
0

Ranked List Metric

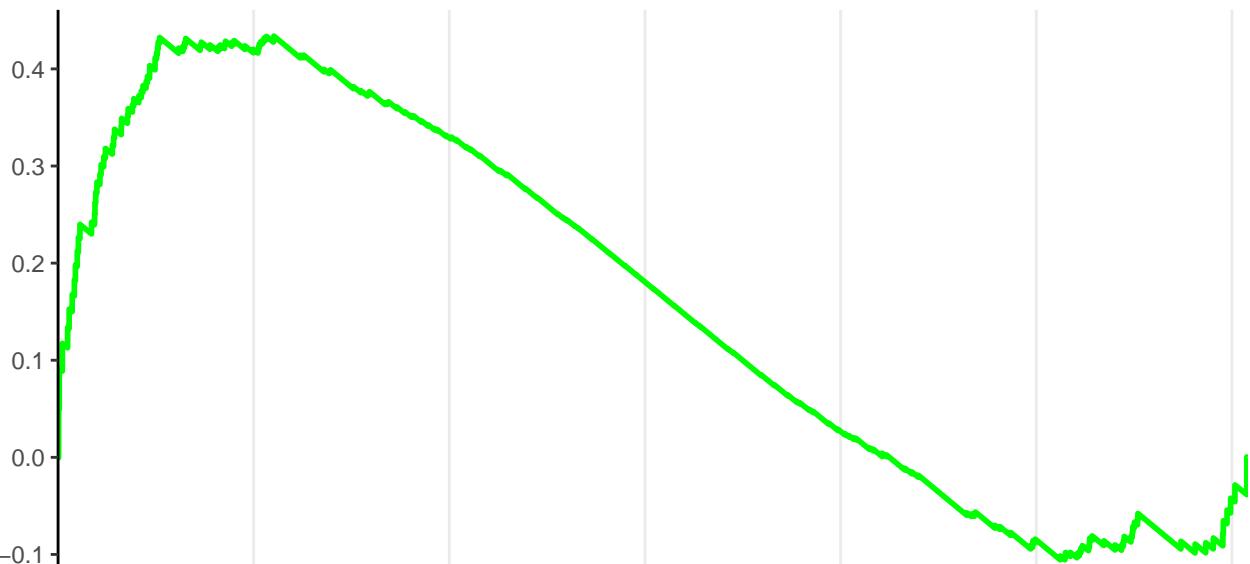
5000 10000 15000

Rank in Ordered Dataset

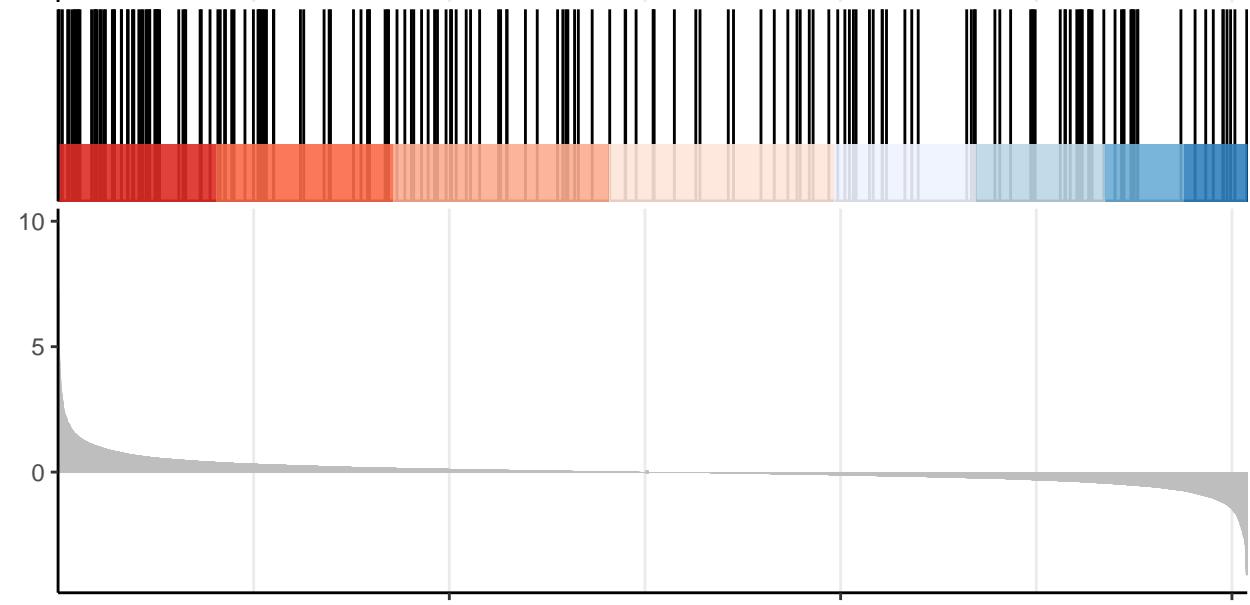


# GOBP\_CELL\_MATRIX\_ADHESION

Running Enrichment Score



Ranked List Metric



Rank in Ordered Dataset