

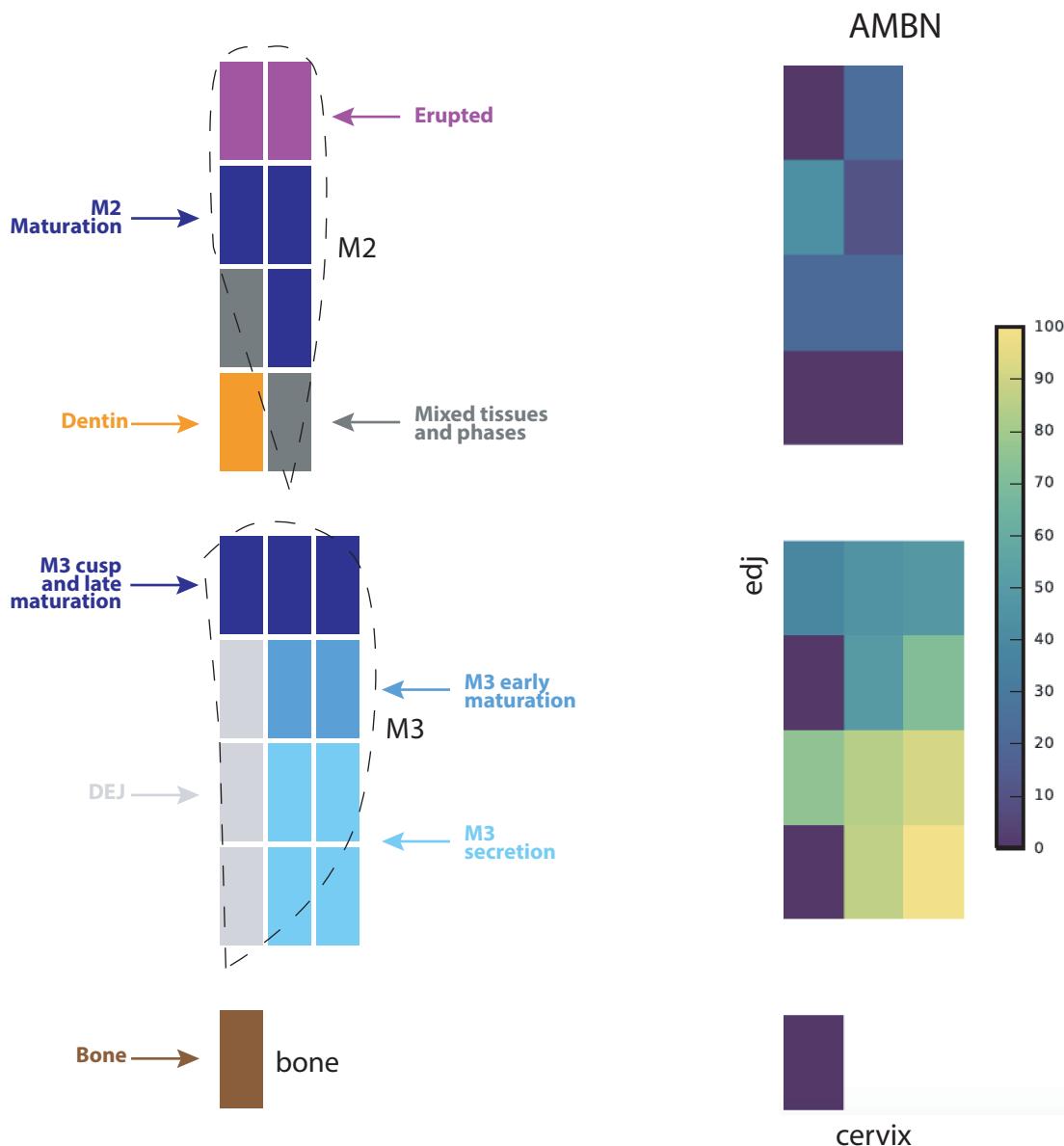
## Supplemental Figures 01: Peptide abundance maps

From JBMR, "Integrating microsampling and proteomics to map matrix proteins during tooth enamel mineralization" Daniel R. Green, Fabian Schulte, Kyu-Ha Lee, Megan K. Pugach, Markus Hardt, Felicitas B. Bidlack.

This document shows the spatial distribution of abundances for all 551 detected peptides across enamel in M2 and M3 molars, and dentin and bone samples. Peptides are identified by gene names and are listed alphabetically.

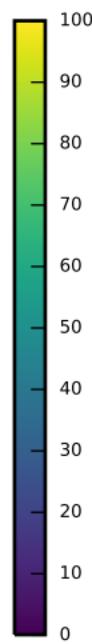
Below left, formation phases and tissues are color coded, and represent identifications made by the authors based upon visual examination of diced molar teeth. These identifications are similar but not identical to the automated hierarchical clustering of sample locations based upon similarity of peptide expression patterns.

Below right, ameloblastin (AMBN) is shown as an example of the results contained in this document. Abundances are normalized to highest and lowest log-transformed abundance (mass spectrometric peak area) for the peptide across all enamel, dentin and bone samples, on a percent scale. The color scale here and throughout the document refers to abundance, not to locations or phases of formation.

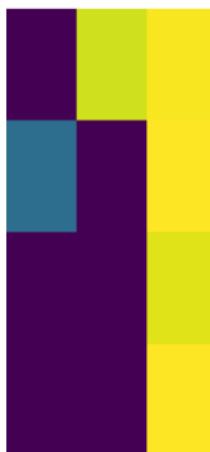


14-3-3

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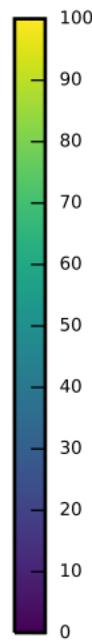
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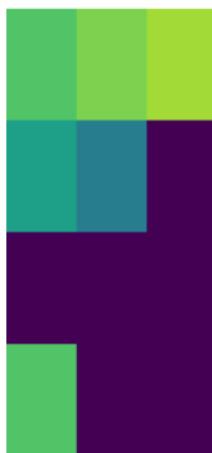
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A1BG

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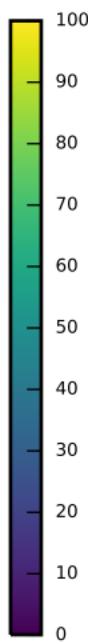
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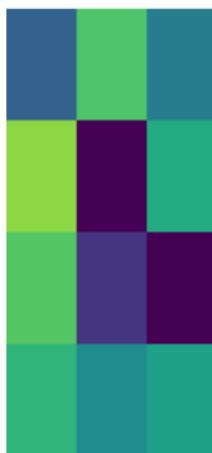
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A2M

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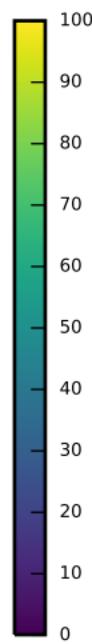
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cervix

# A2ML1

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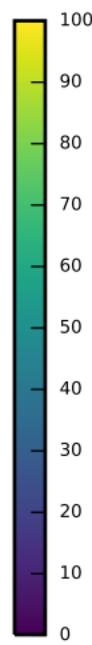
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cervix

ACAN

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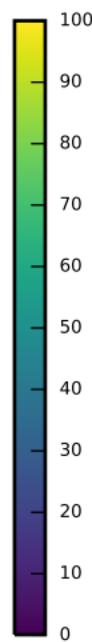
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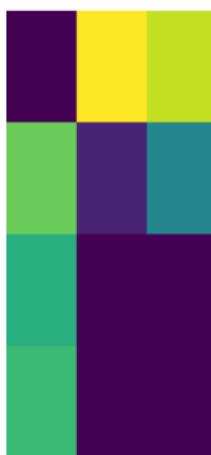
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ACO2

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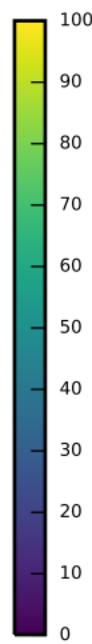
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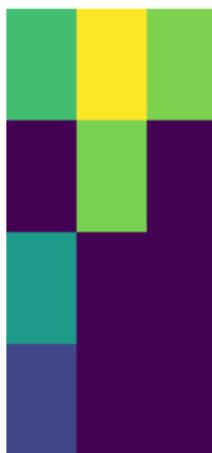
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ACPP

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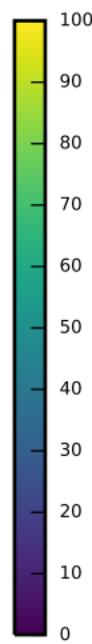
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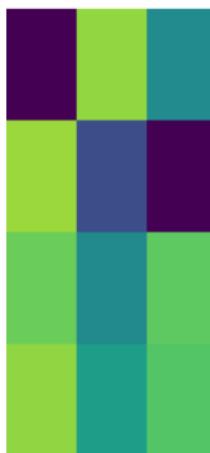
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ACPT

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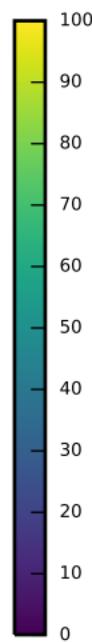
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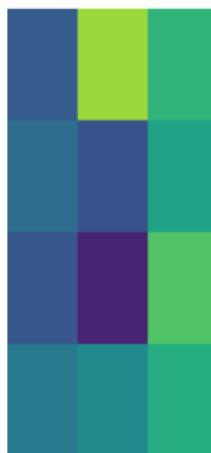
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ACTB

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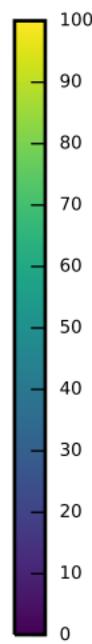
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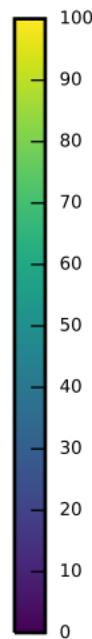
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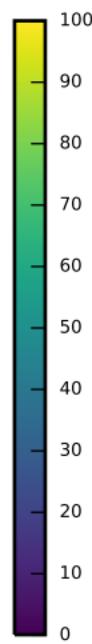
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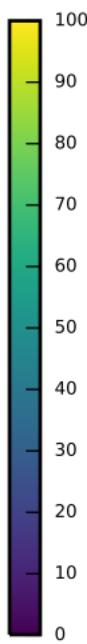
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ADA

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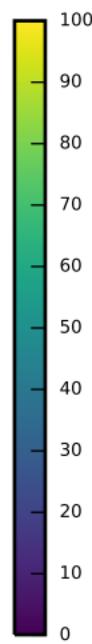
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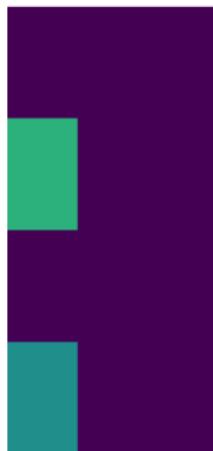
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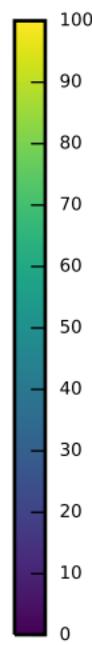
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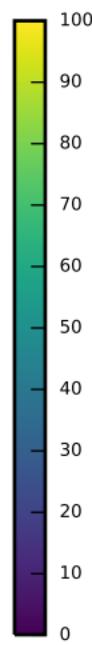
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AHSG

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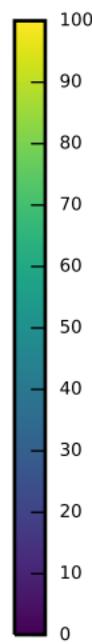
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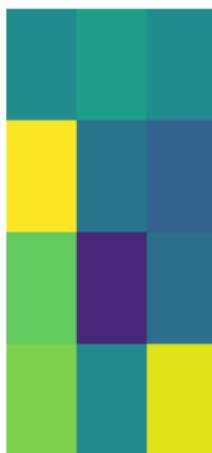
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ALB

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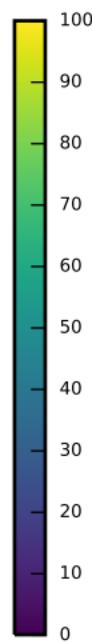
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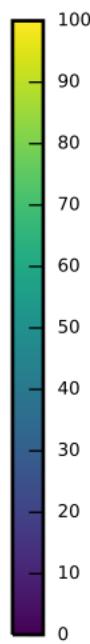
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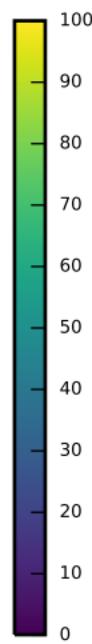


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# ALDOC

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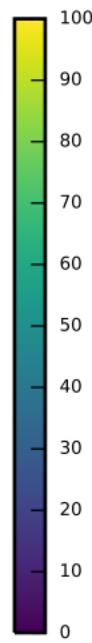
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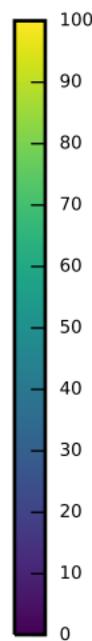
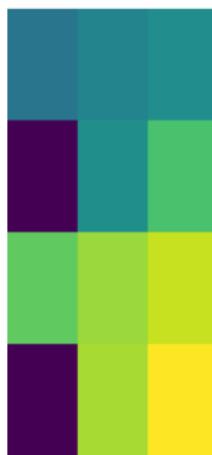
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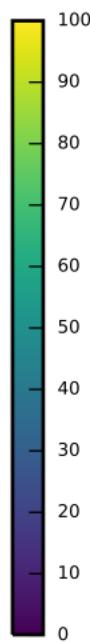
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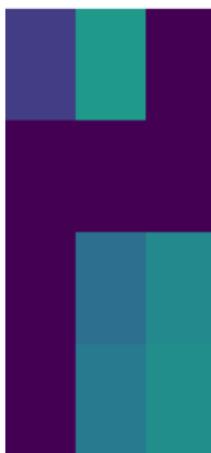
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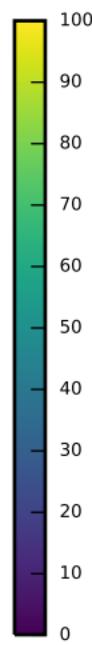
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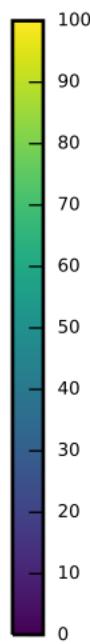
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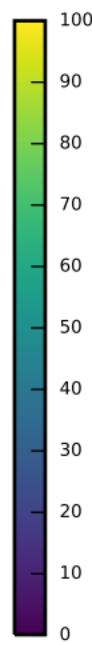
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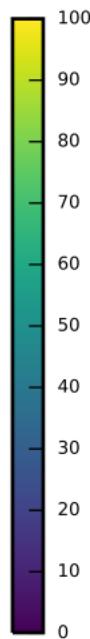
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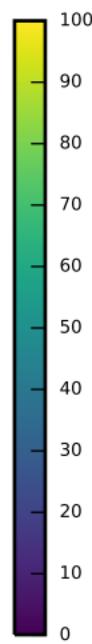


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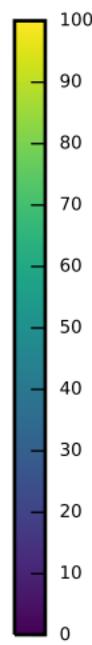
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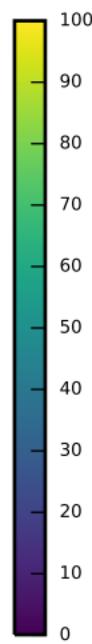


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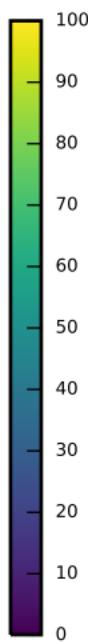


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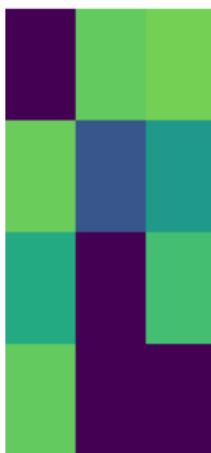
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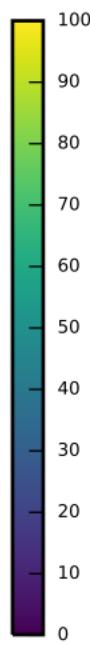
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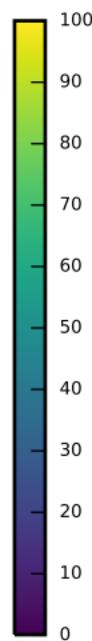
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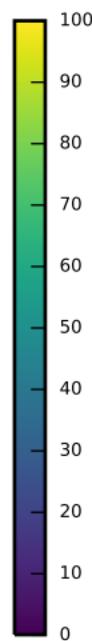
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AOC2

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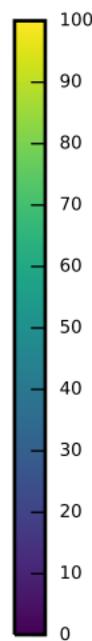
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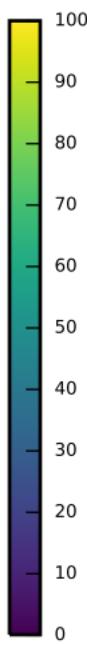


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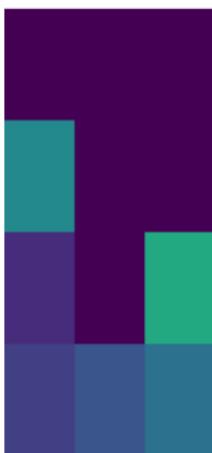


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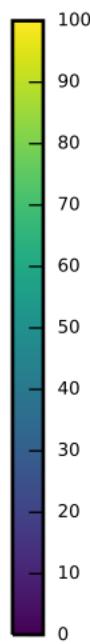
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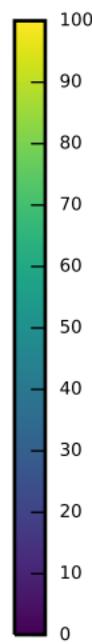
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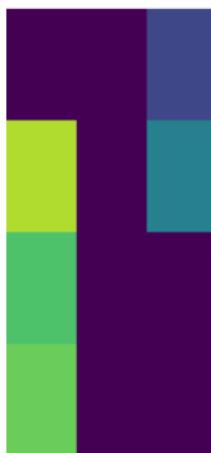
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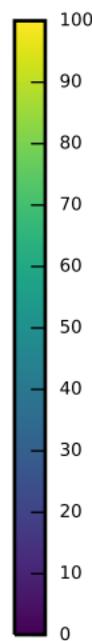
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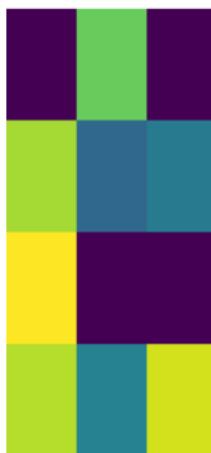
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APOH

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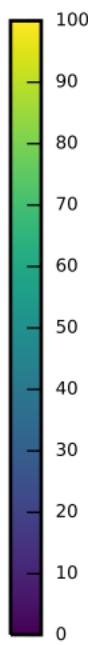
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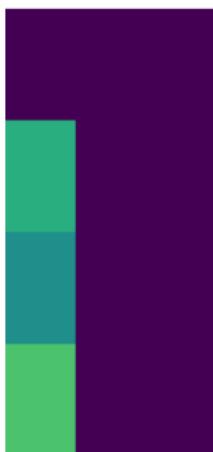
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APP

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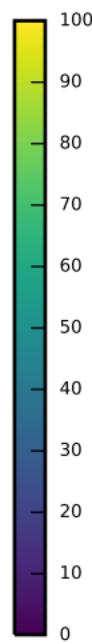
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cervix

# ARHGDI

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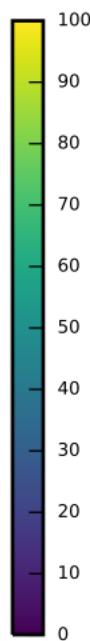
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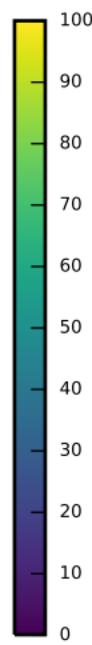
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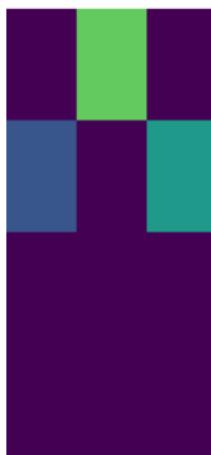
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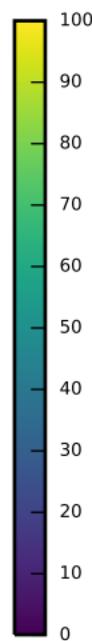
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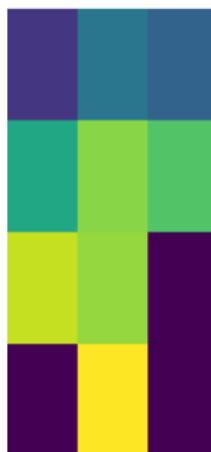
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ASPH

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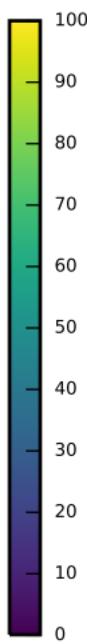
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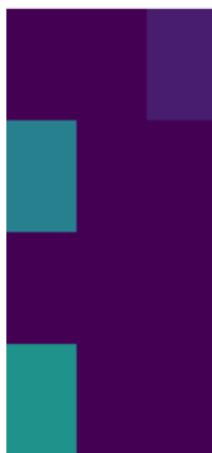
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# ATP1B1

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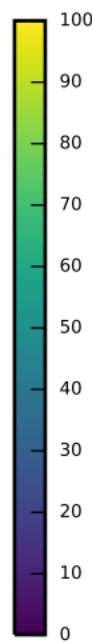


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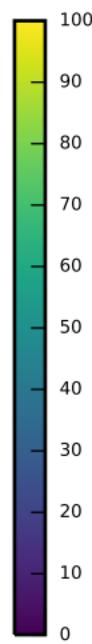
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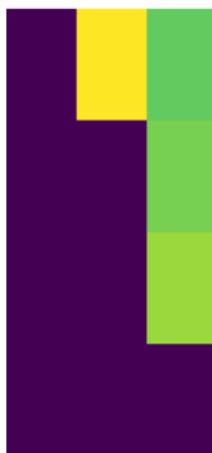
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# ATP5B

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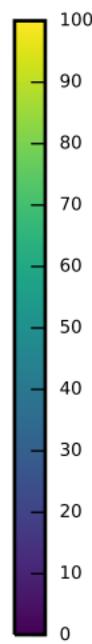
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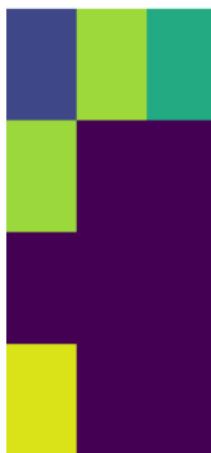
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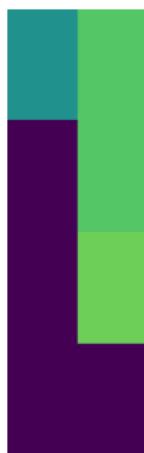
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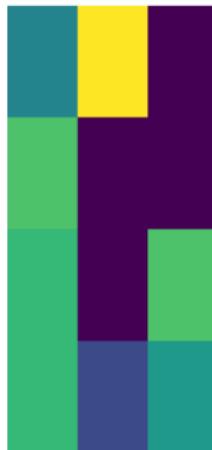
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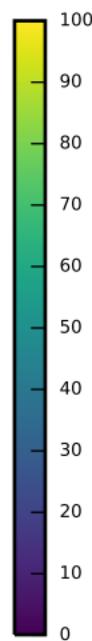
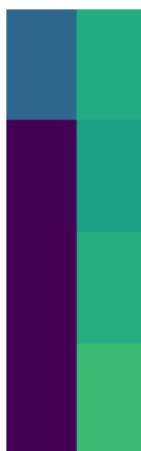
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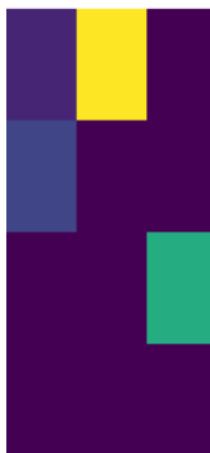
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# ATP5L

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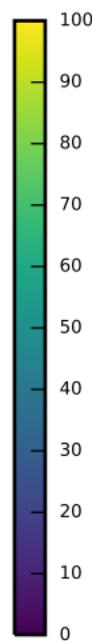
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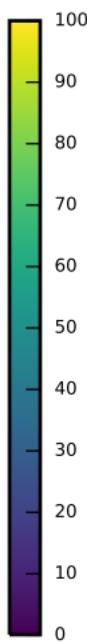
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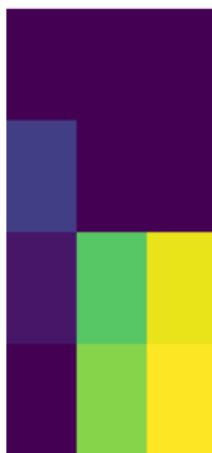
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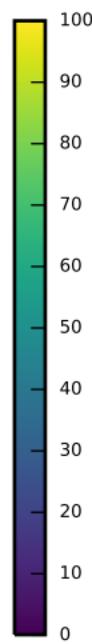
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cervix

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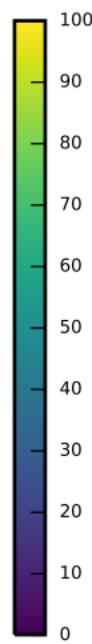
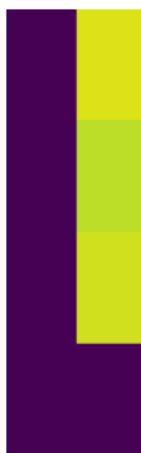
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cervix

# ATP6V0A1

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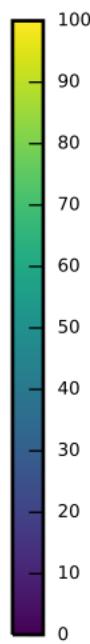
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cervix

# ATP6V0D1

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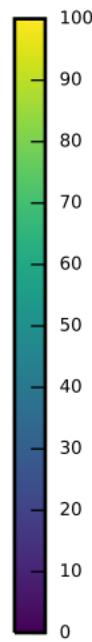
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# ATP6V1B2

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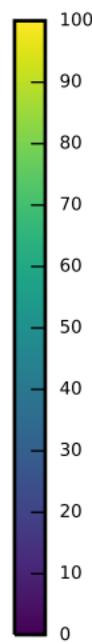
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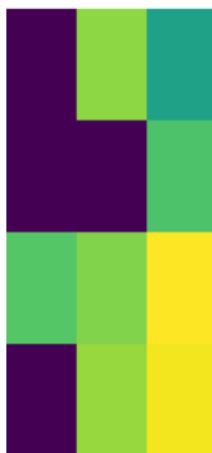
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# ATP6V1C1

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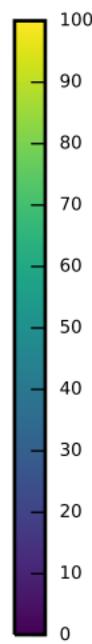
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cervix

# ATP6V1D

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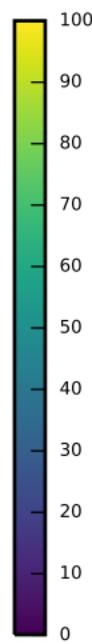
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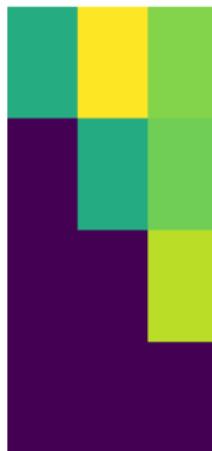
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# ATP6V1E1

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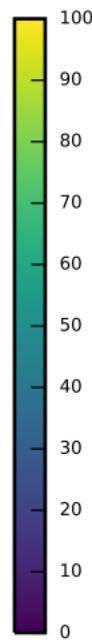
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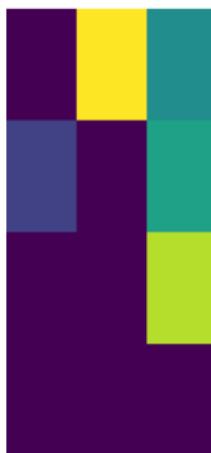
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# ATP6V1H

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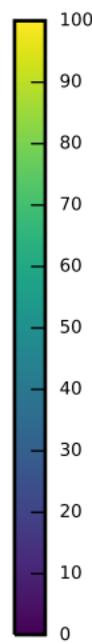
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cervix

ATP8

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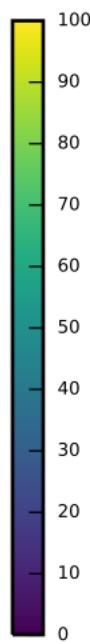
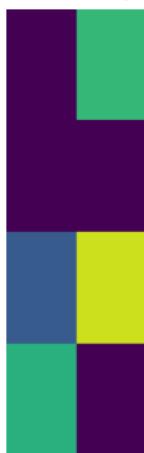


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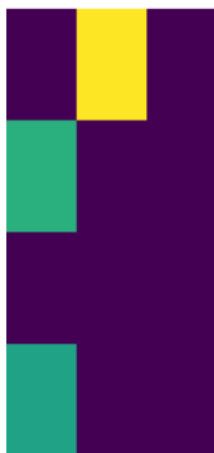
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# ATPsynD

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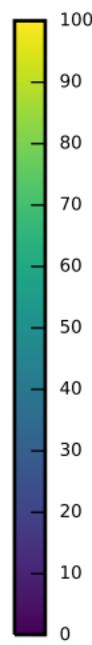
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cervix

AZU1

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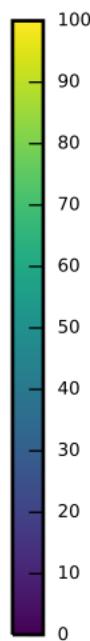
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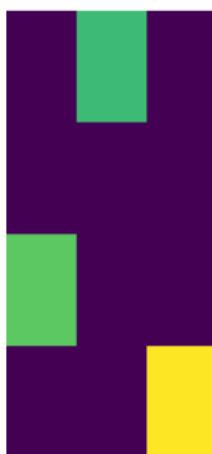
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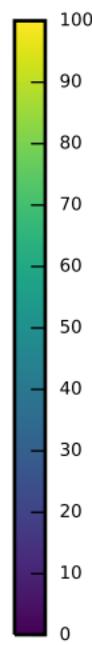
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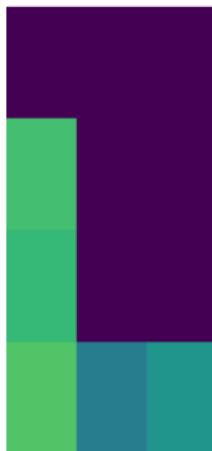
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BGLAP

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edj



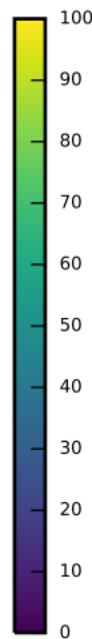
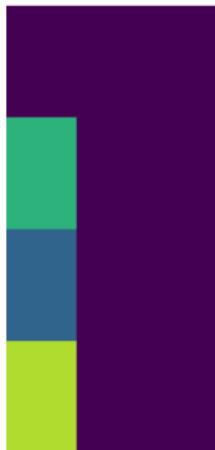
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BGN

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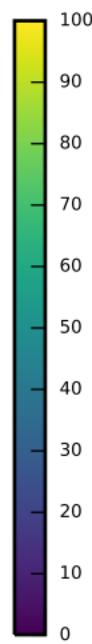
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cervix

# BLVRB

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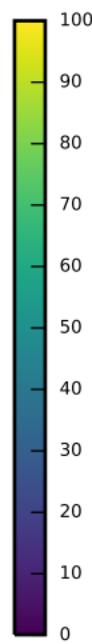
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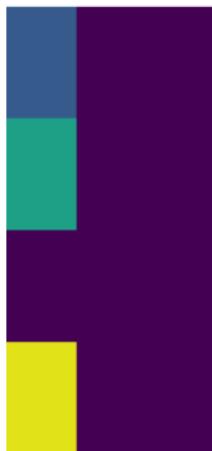
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BMP1

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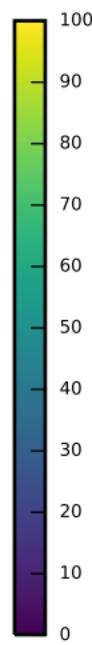
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cervix

BMP3

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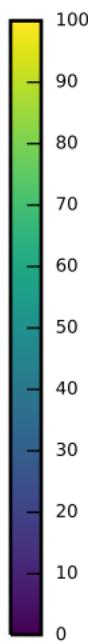
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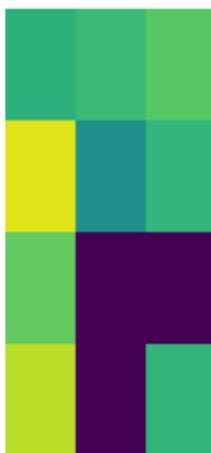
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C3

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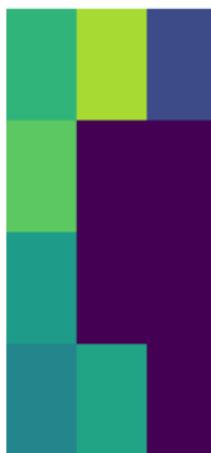
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C4BP

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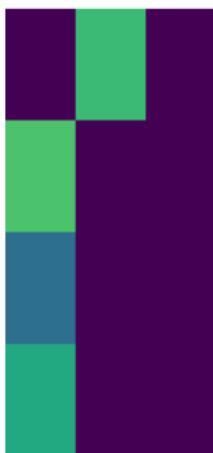
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C5

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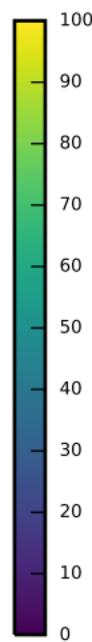
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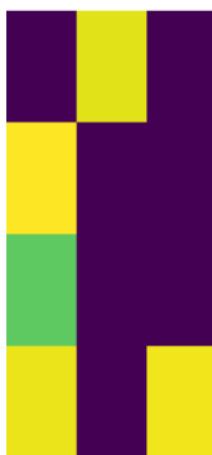
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C7

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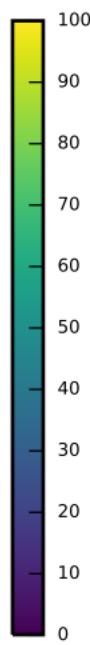
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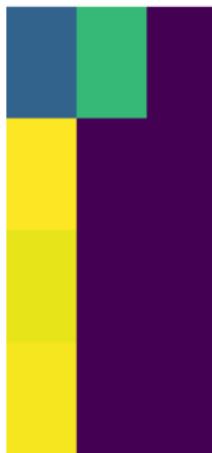
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C9

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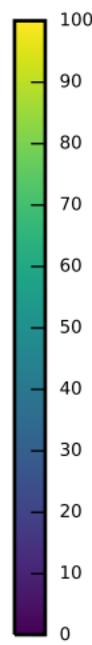
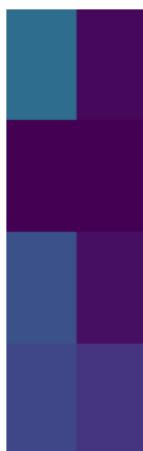
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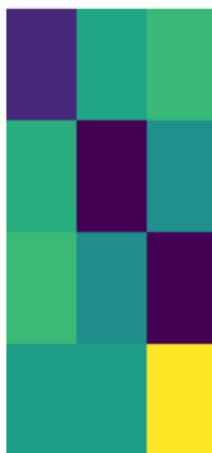
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CA2

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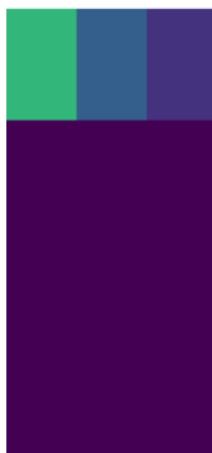
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CA6

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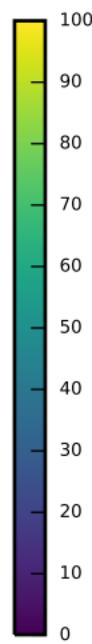
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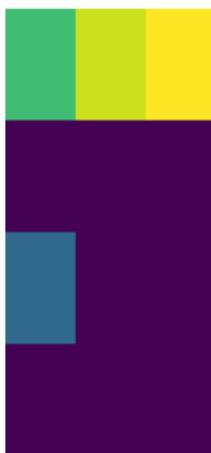
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# CALB1

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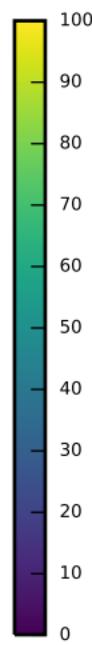
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# CALD1

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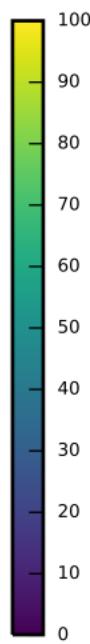
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cervix

## CALM2

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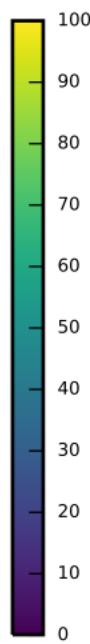
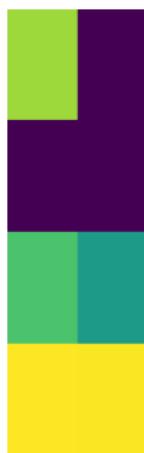
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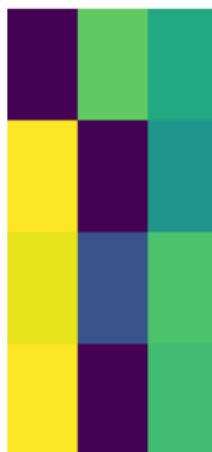
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# CALR

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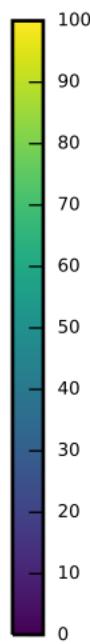
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cervix

CALU

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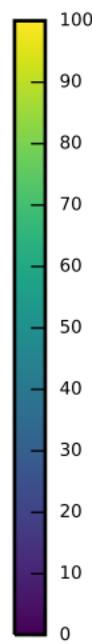
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cervix

# CANX

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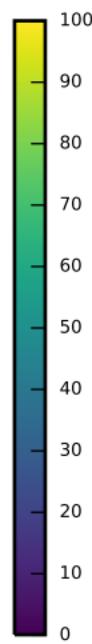
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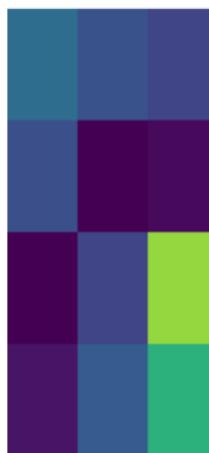
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CAP1

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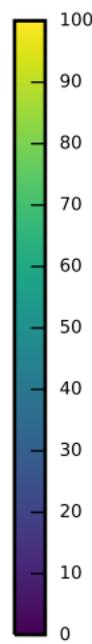
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cervix

# CAPG

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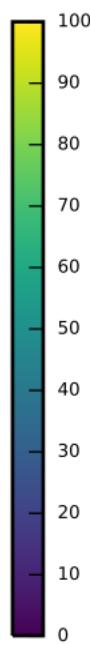
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cervix

CAV1

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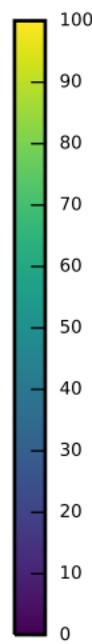
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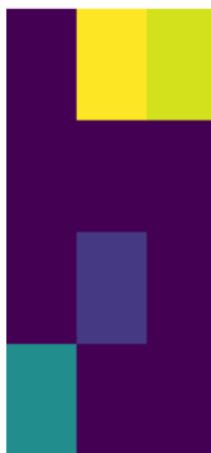
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### CAVIN3

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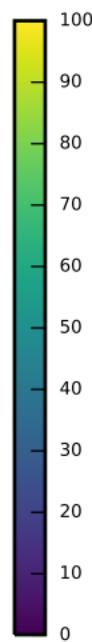
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cervix

# CCT4

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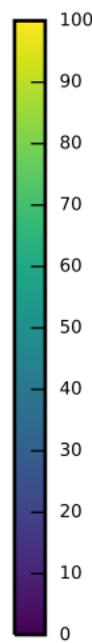
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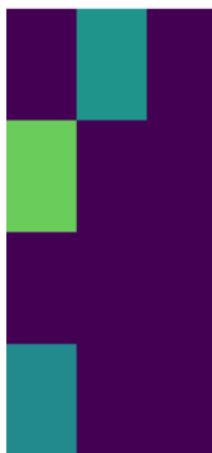
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# CD248

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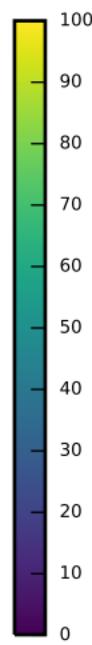
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CD44

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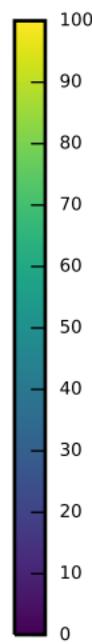
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cervix

CDH2

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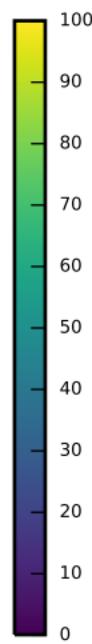
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cervix

CFB

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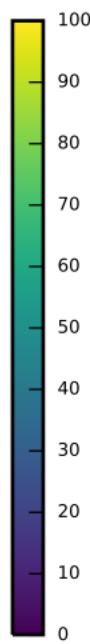
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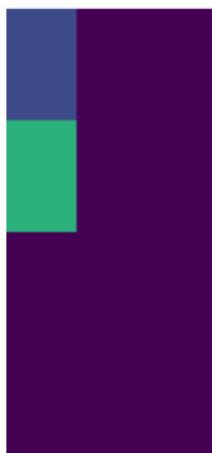
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CFD

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edj



cervix

CFI

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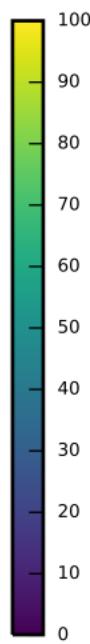
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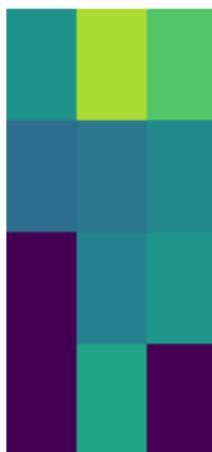
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CFL1

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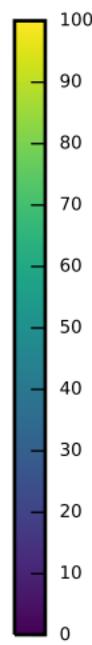
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cervix

# CHAD

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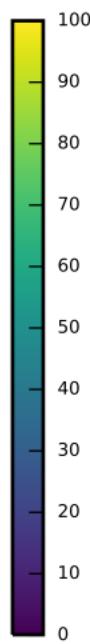
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# CHID1

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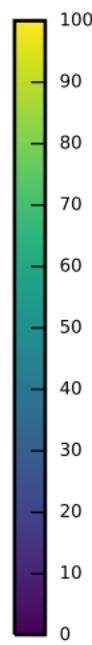
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# CKAP4

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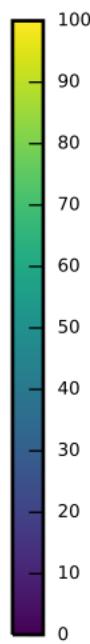
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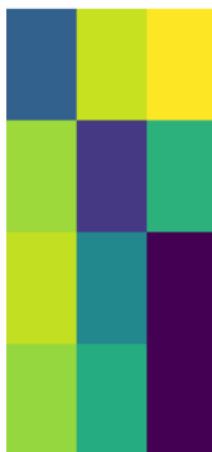
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CKB

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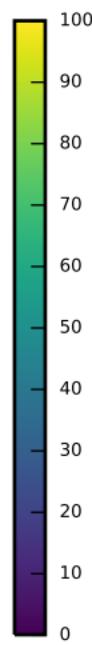
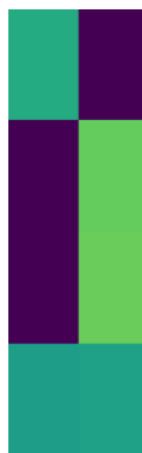
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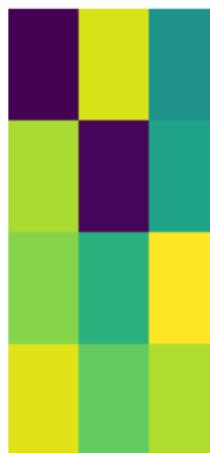
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CKMT1A

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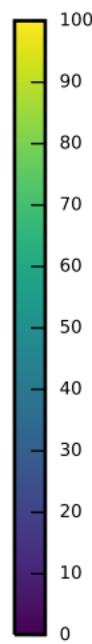
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cervix

CLD

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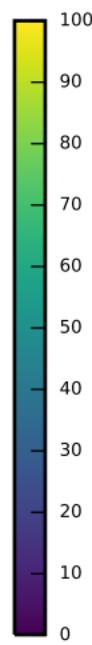
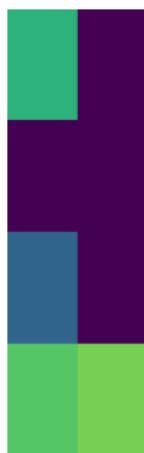
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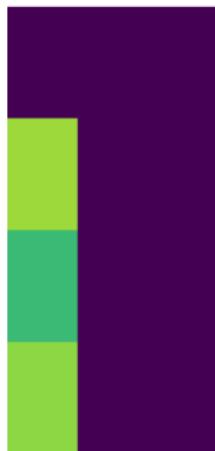
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# CLEC11A

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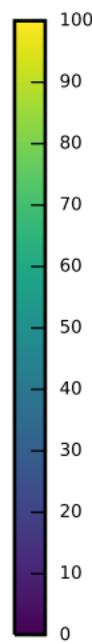
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cervix

# CLEC3B

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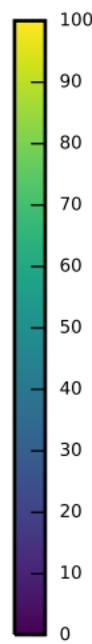
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cervix

CLTC

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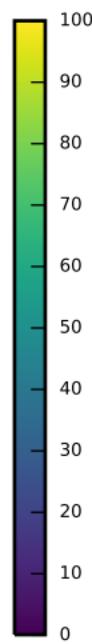
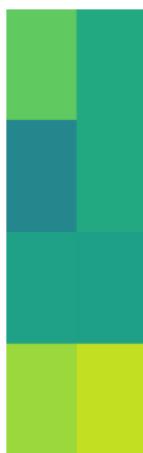
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cervix

CLU

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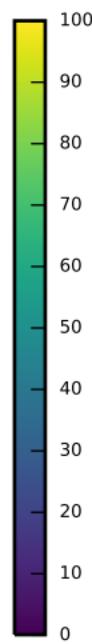
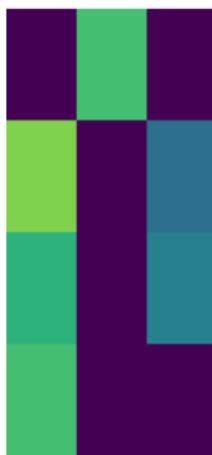
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# COL11A1

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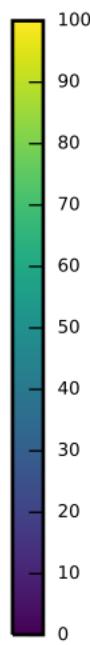
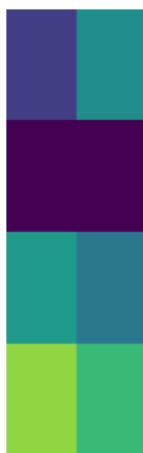
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cervix

# COL11A1

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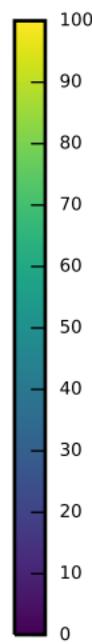
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# COL11A2

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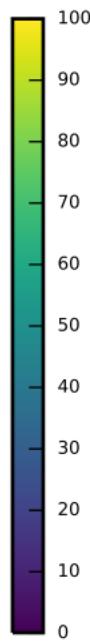
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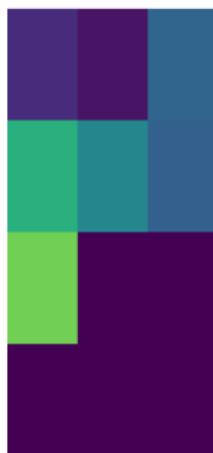
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# COL12A1

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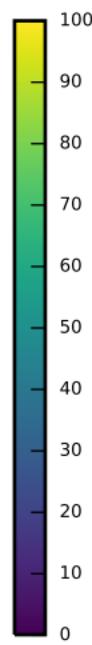
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cervix

# COL12A1

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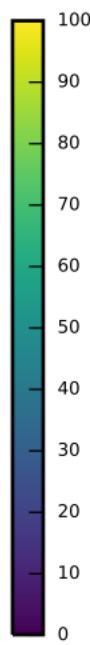
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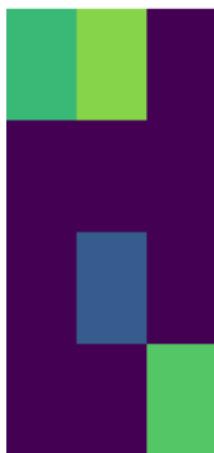
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# COL14A1

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edj



cervix

# COL17A1

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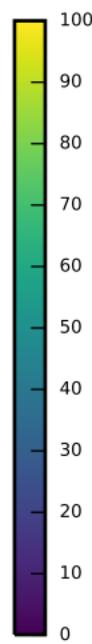
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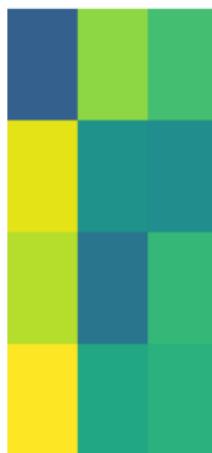
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# COL17A1

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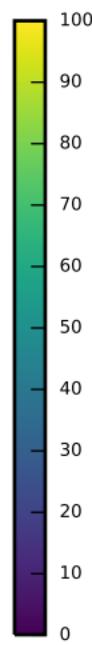
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cervix

# COL1A1

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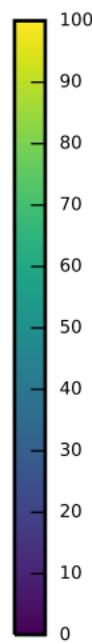
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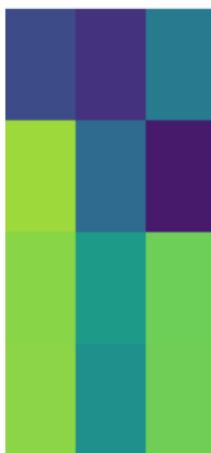
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# COL1A2

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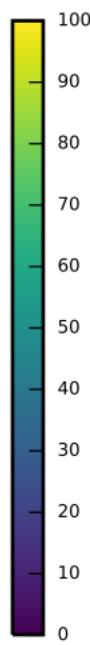
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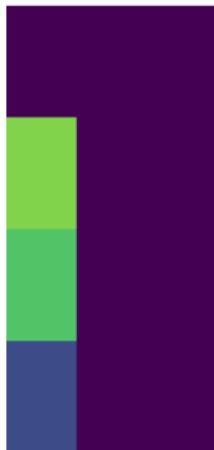
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# COL2A1

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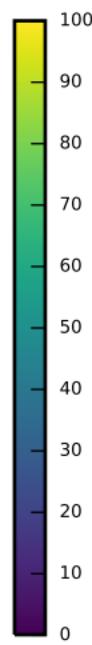
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cervix

# COL3A1

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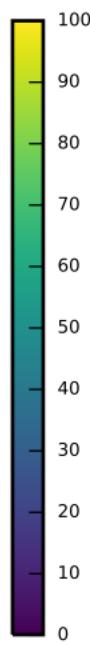
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cervix

# COL5A1

1



edj

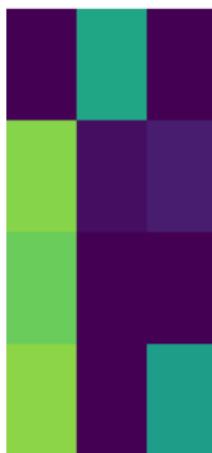
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# COL5A2

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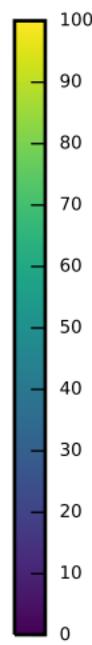
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cervix

# COL5A3

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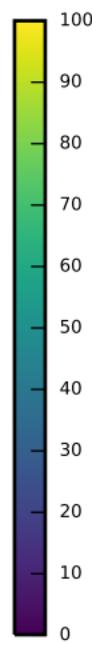
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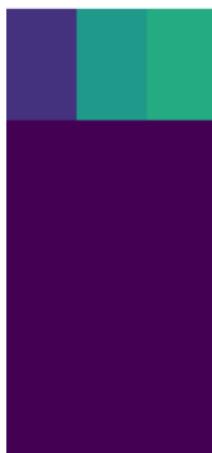
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# COL6A1

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edj



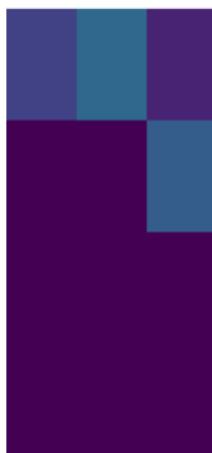
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# COL6A1

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edj



cervix

# COL6A2

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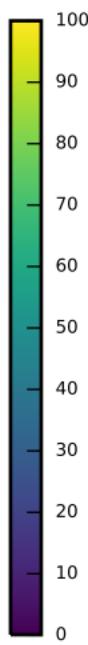
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cervix

# COL6A3

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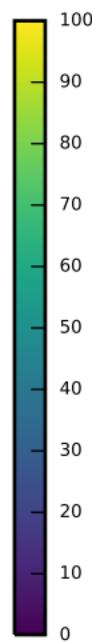
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cervix

# COL7A1

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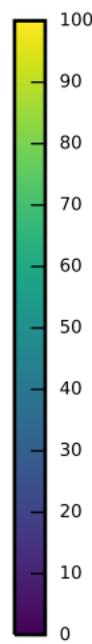
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cervix

# COPB1

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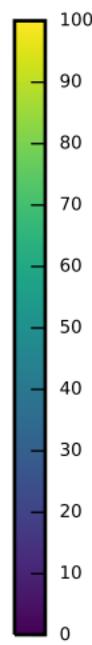
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cervix

# COPB2

1



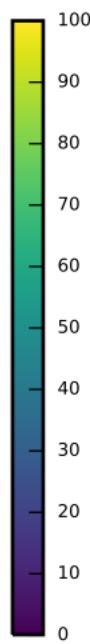
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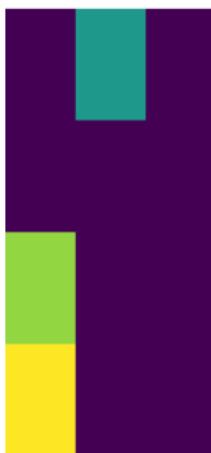
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# COPG1

1



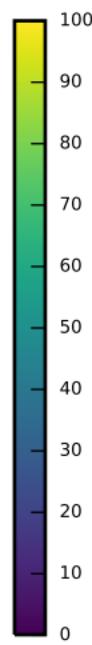
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cervix

# CORO1A

1



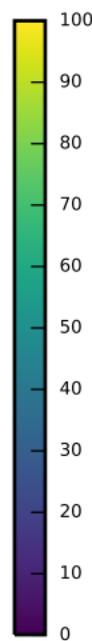
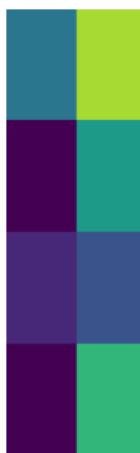
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cervix

# COTL1

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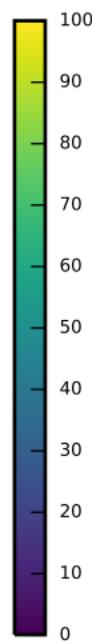
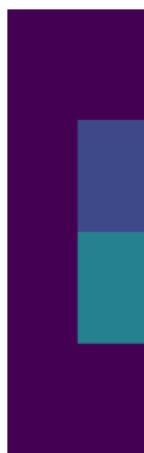
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cervix

# COX4I1

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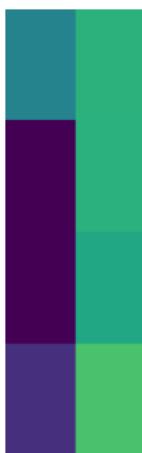


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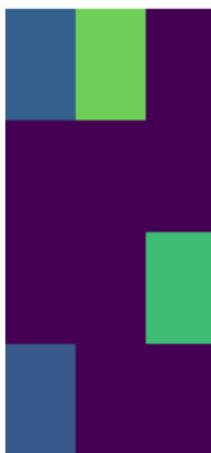
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# COX5A

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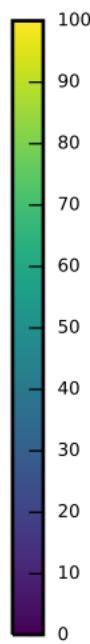
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cervix

# COX5B

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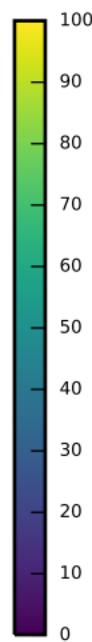
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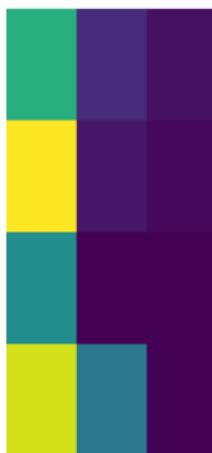
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CPB2

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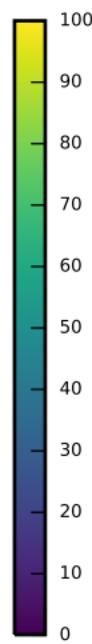
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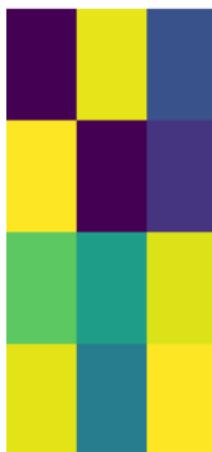
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CPE

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edj



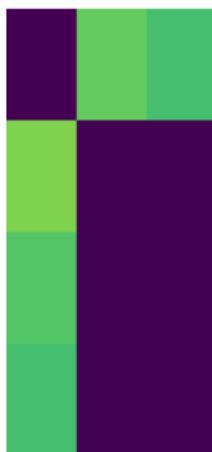
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# CRABP1

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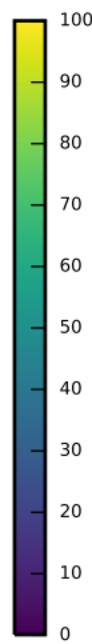
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cervix

# CRISP3

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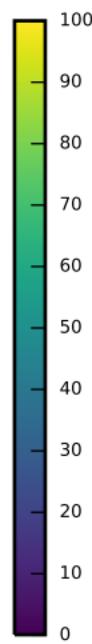
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cervix

CRNN

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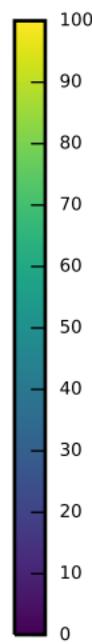
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cervix

CRP

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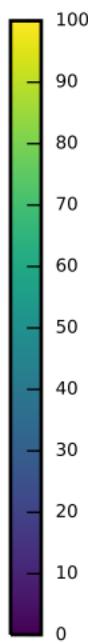
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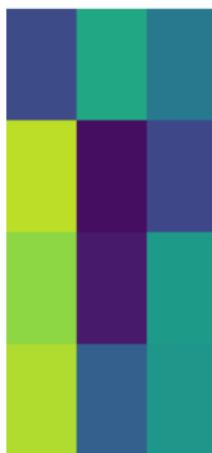
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# CRYAB

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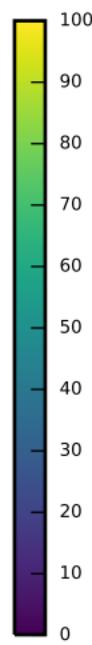
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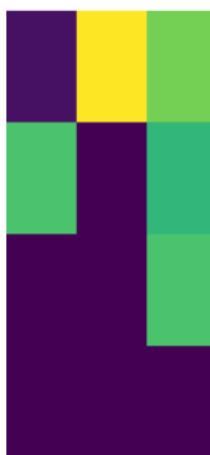
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CS

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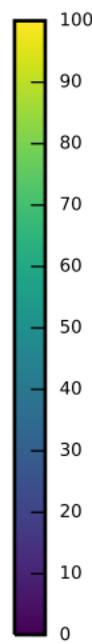
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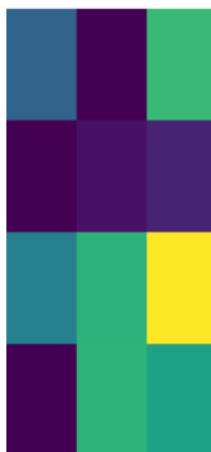
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# CSN1S1

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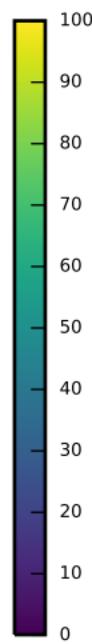
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cervix

# CTNNNA1

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edj

cervix

# CTNNB1U

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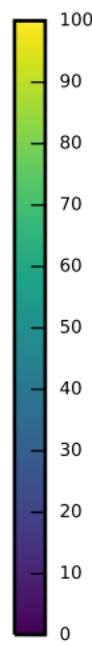
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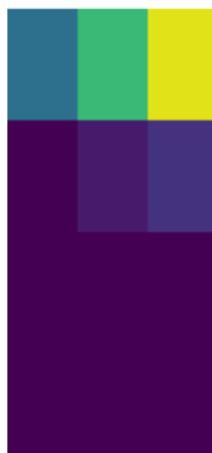
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# CTNND1

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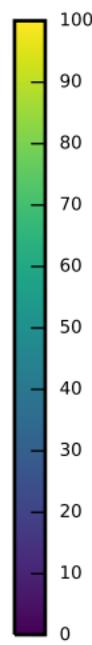
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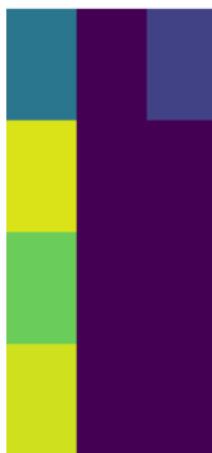
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CTSL

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edj



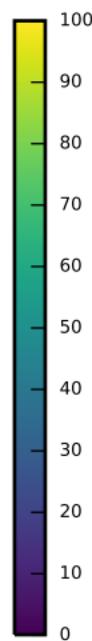
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# CYB5R3

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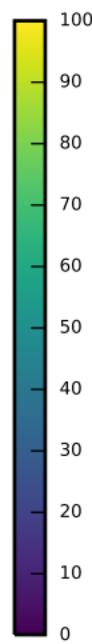
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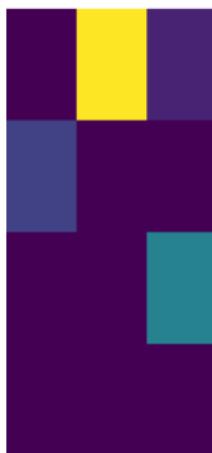
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CYC1

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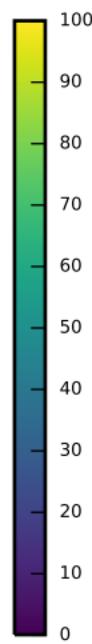
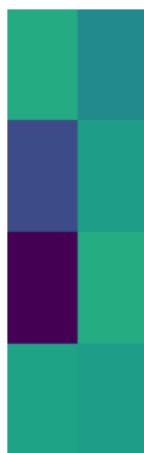
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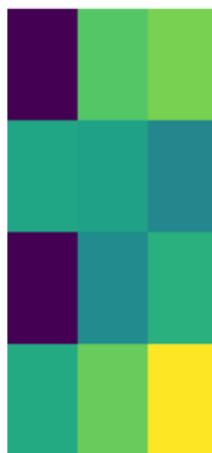
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CYCS

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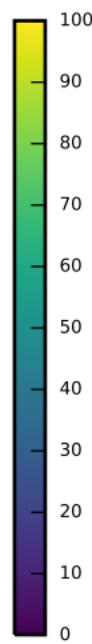
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cervix

DBI

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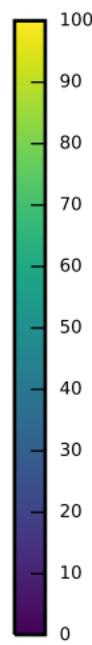
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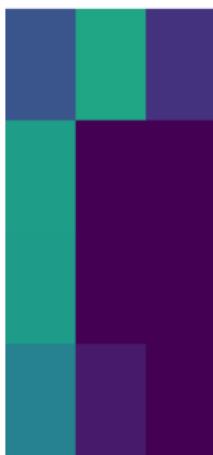
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DCN

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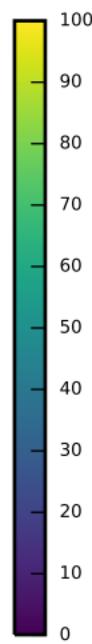
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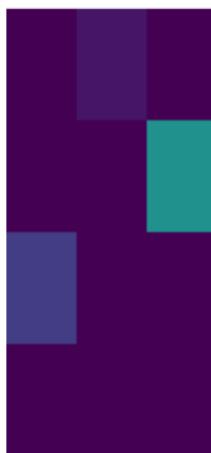
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# DHX9

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edj



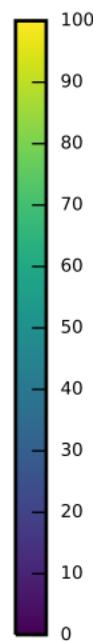
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DLST

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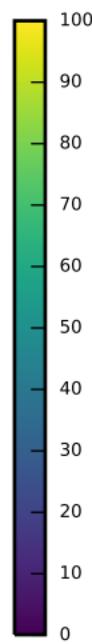
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cervix

DMP1

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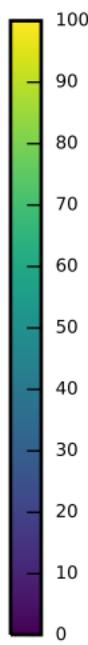
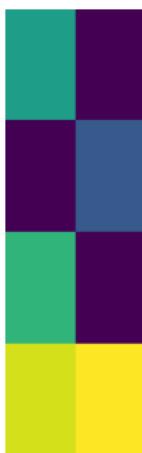
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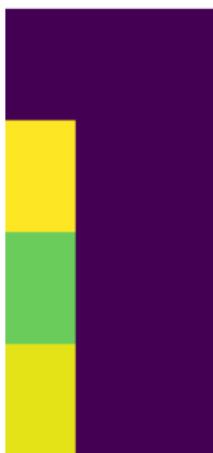
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# DNAJC3

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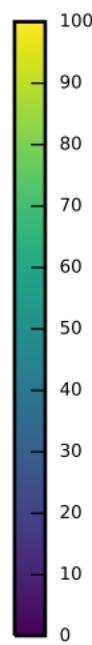
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cervix

DPT

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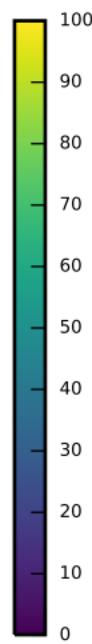
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cervix

# DPYSL

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edj



cervix

# DPYSL2

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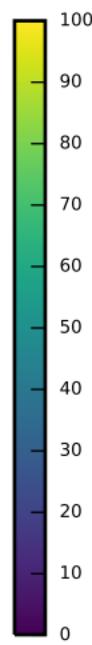
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cervix

DSC2

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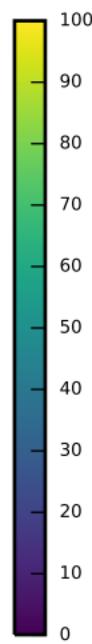
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cervix

DSC3

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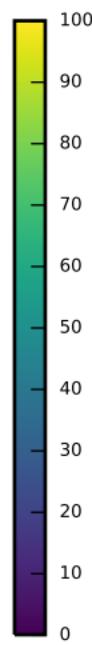
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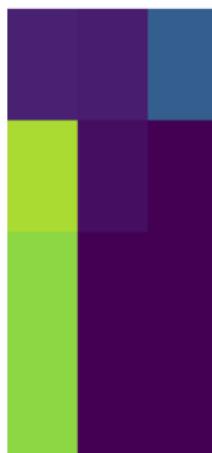
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DSG1

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edj



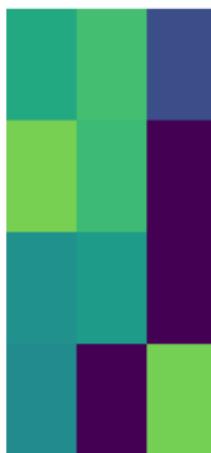
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DSG3

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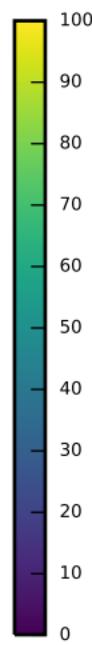
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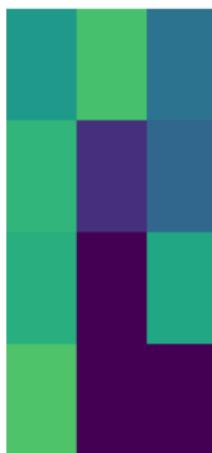
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DSP

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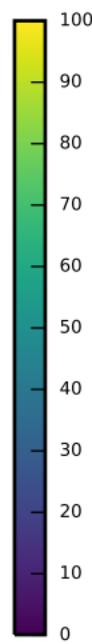
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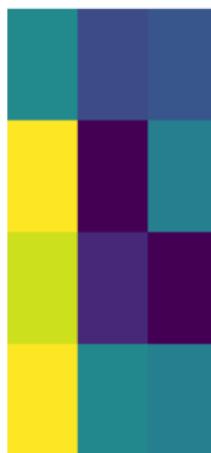
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DSPP

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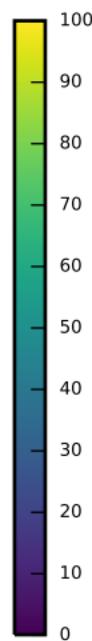
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cervix

DSTN

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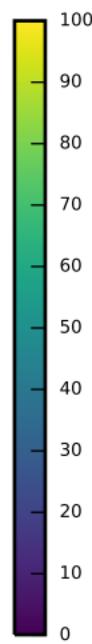
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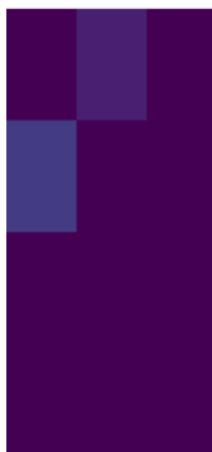
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# DYNCH

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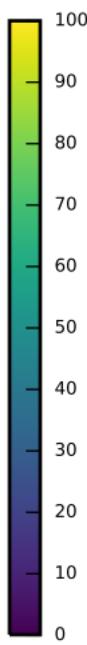
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cervix

ECM2

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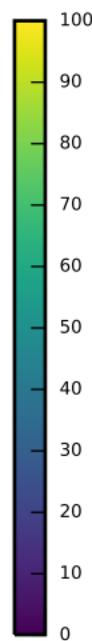
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cervix

# EEF1A

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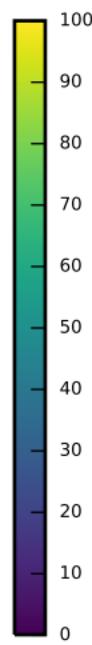


edj

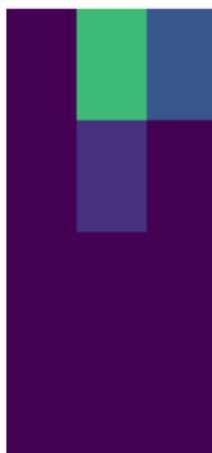
cervix

# EEF1D

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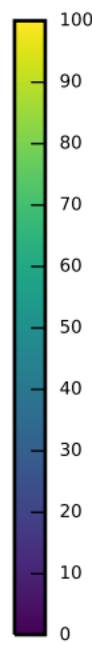
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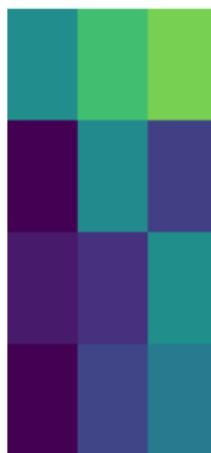
cervix

# EEF1G

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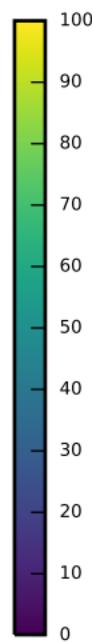
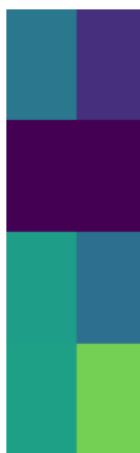
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cervix

## EEF2

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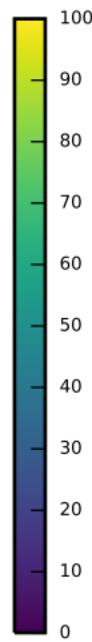
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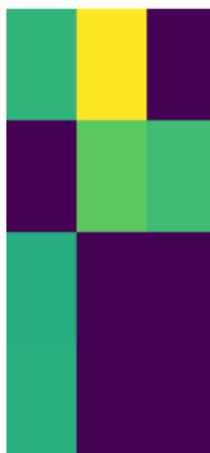
cervix

## EFEMP2

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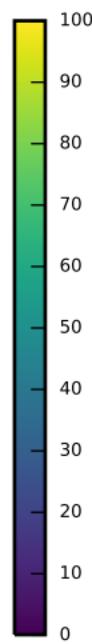
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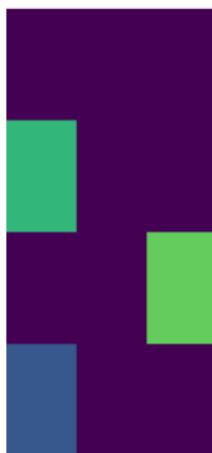
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# EFHD2

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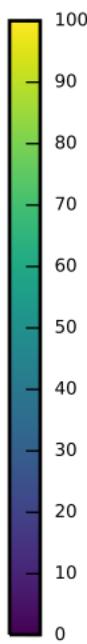
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cervix

# EIF3M

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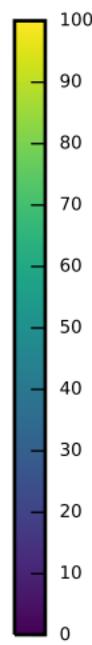
edj



cervix

# MYO1C

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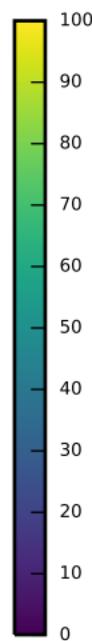
edj



cervix

# EIF4A1

1



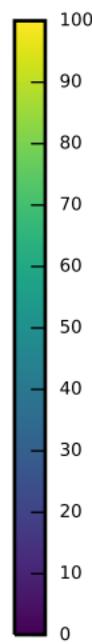
edj



cervix

MYO6

1



edj



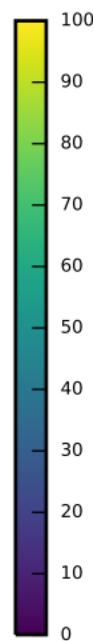
cervix

# EIF5A

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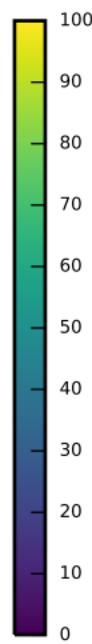
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cervix

# MYOF

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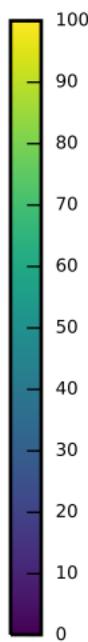
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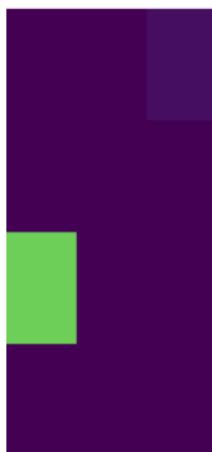
cervix

# ELANE

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edj



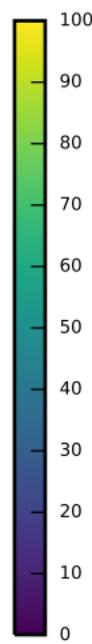
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cervix

NCL

1



edj



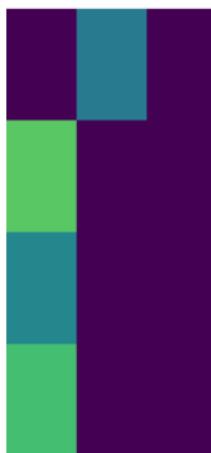
cervix

# EMILIN1

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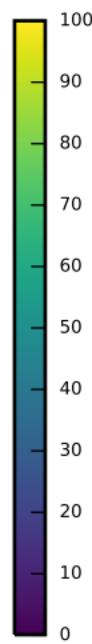
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cervix

# NDUFA6

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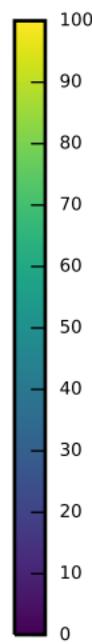
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cervix

# ENAM

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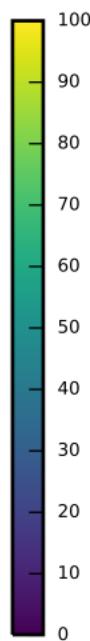
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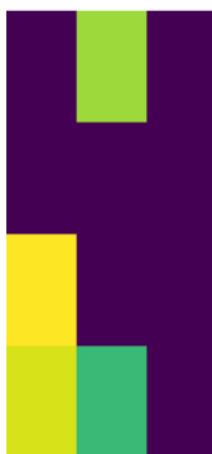
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# NDUFA9

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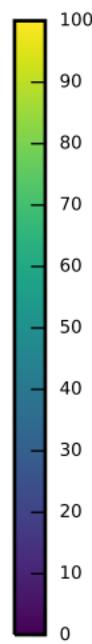
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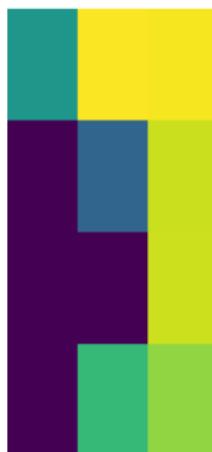
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**ENO1**

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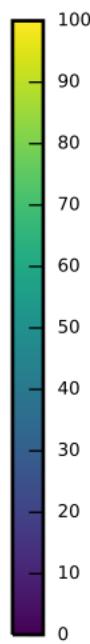
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cervix

# NDUFB11

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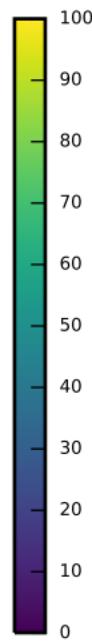
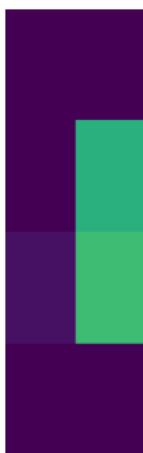
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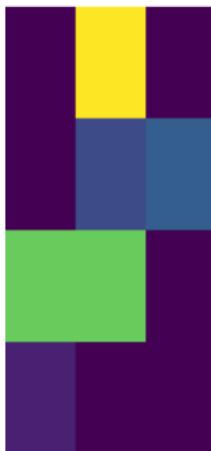
cervix

# NDUFB4

1



edj



cervix

ENO3

1



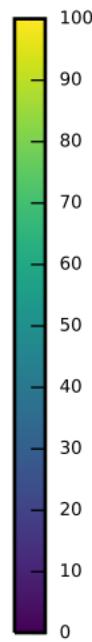
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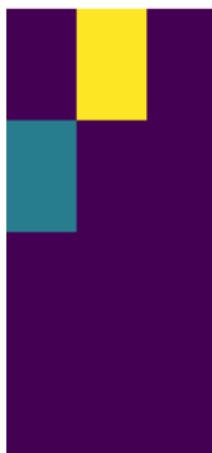
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# NDUFS1

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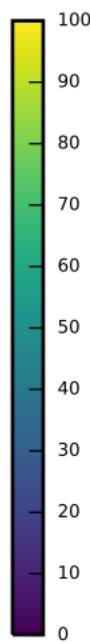
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cervix

# EPRS

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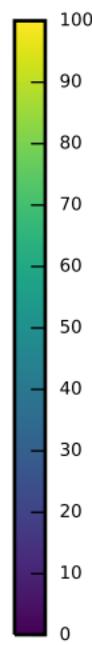
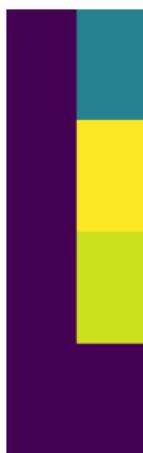
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cervix

# NDUFS3

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edj

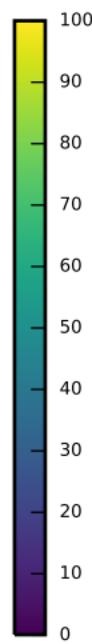


cervix

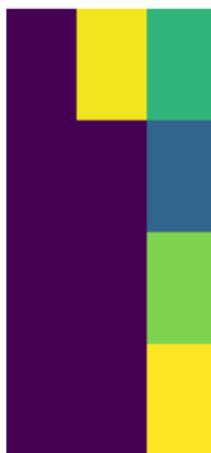


# ESYT1

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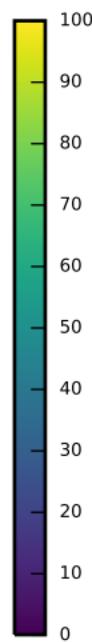
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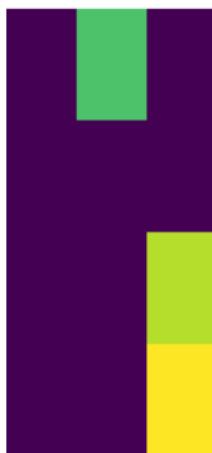
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# NDUFV3

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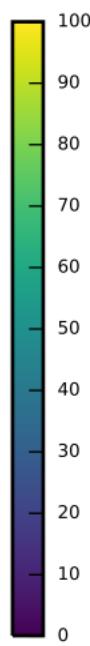
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cervix

ETFA

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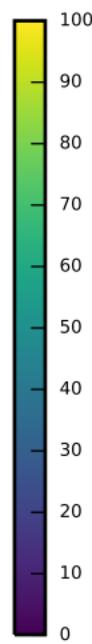
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cervix

NES

1



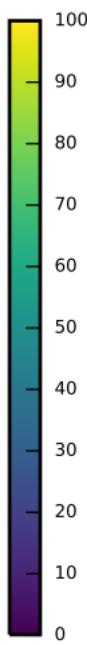
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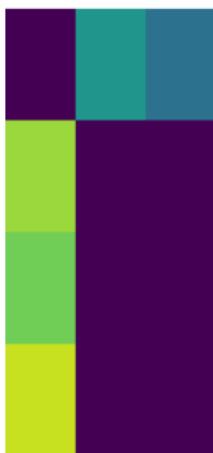
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F10

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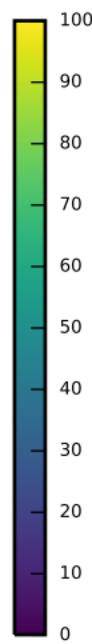
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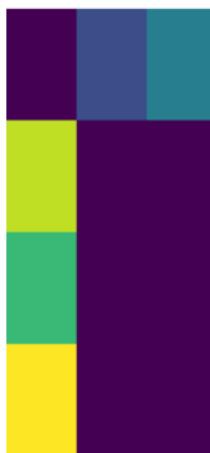
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NID2

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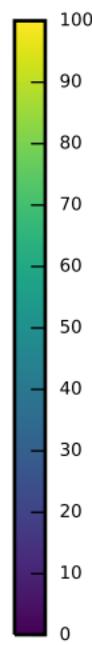
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cervix

F2

1



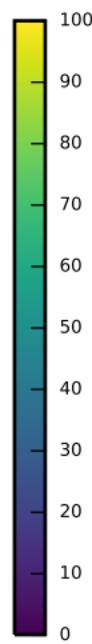
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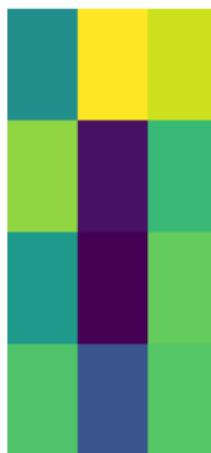
cervix

NME2

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edj



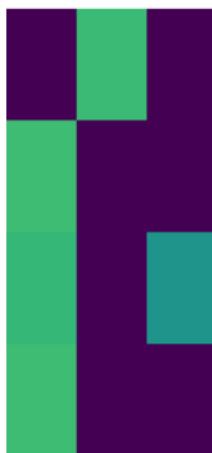
cervix

F9

1



edj



cervix

None

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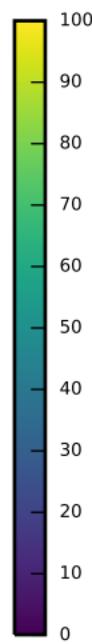
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cervix

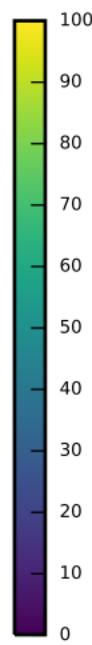
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# FABP5

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edj



cervix

NT5E

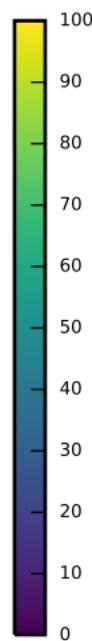
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edj

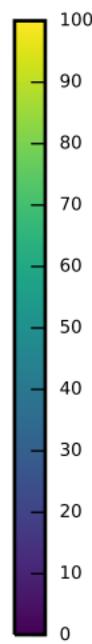


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**FBN2**

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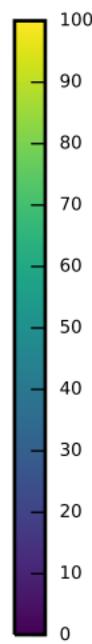
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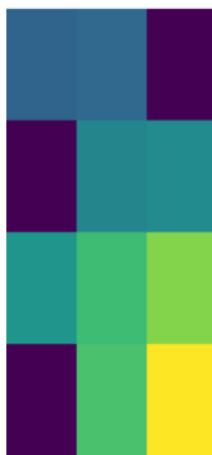
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NTS

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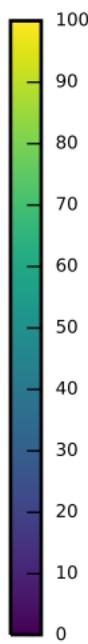
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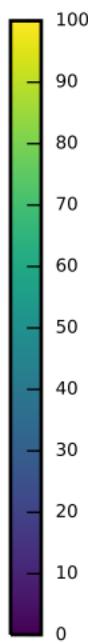
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FGA

1



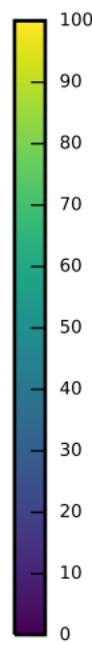
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cervix

# NUCB1

1



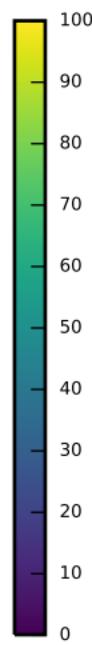
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cervix

FGA

1



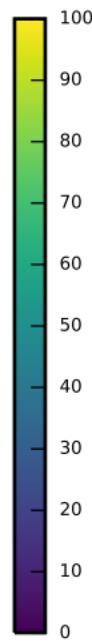
edj



cervix

## NUCB2

1



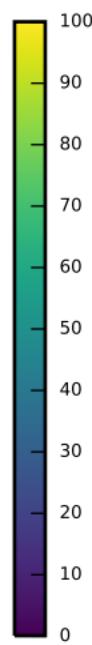
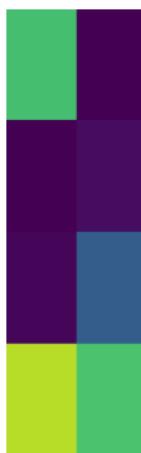
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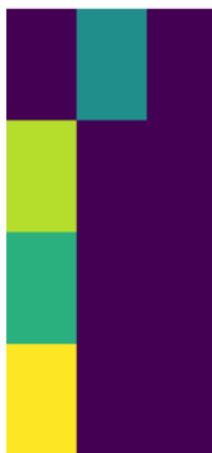
cervix

FGA

1



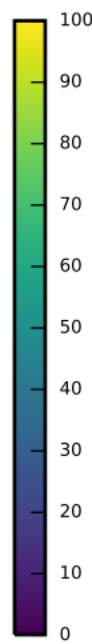
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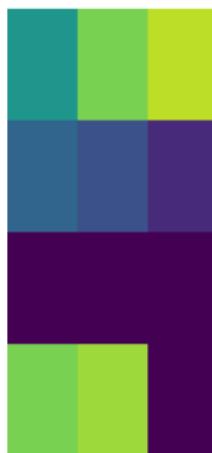
cervix

ODAM

1



edj



cervix

FGB

1



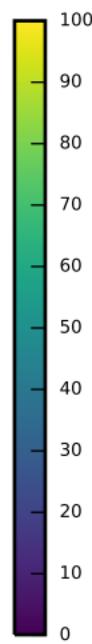
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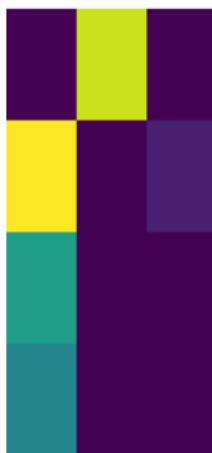
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# OGDH

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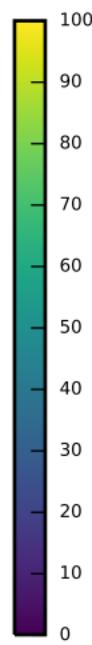
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cervix

# FGFR1

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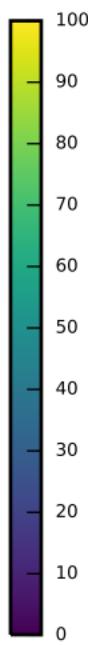
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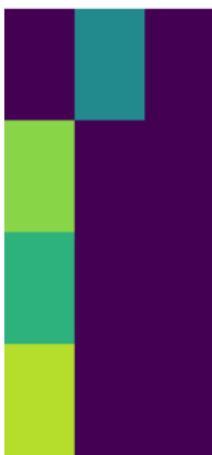
cervix

OGN

1



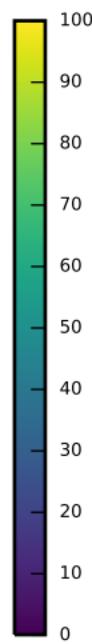
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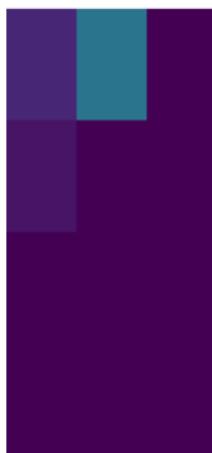
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# FGGL

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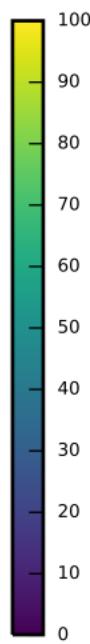
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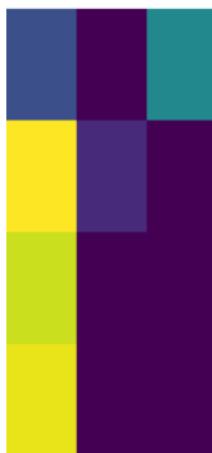
cervix

# OLFML3

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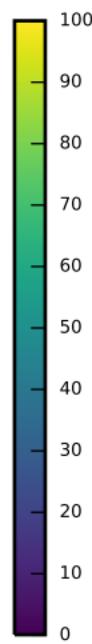
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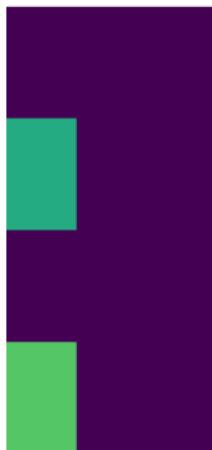
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# FKBP10

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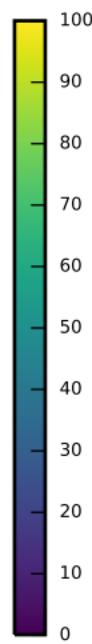
edj



cervix

OMD

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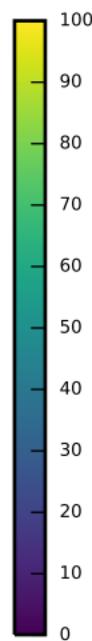
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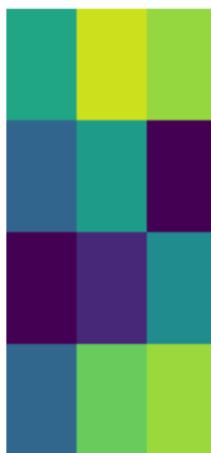
cervix

ORM1

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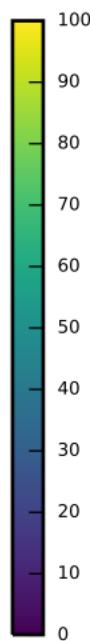
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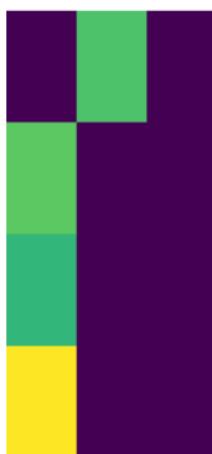
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# FKBP7

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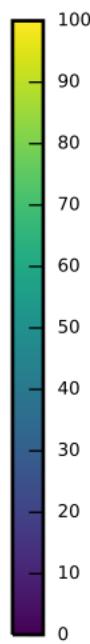
edj



cervix

# P4HA1

1



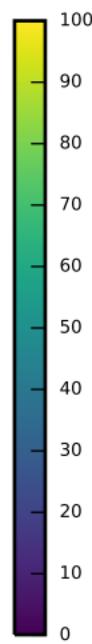
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cervix

# FLNA

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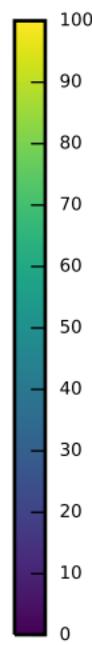
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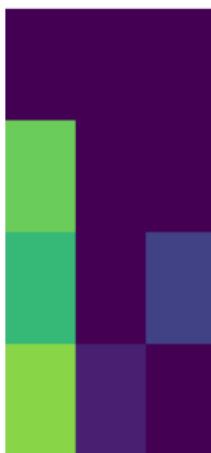
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# P4HA2

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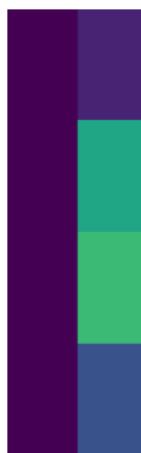
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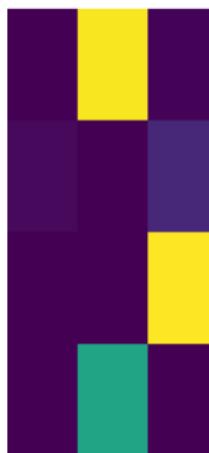
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**FLNB**

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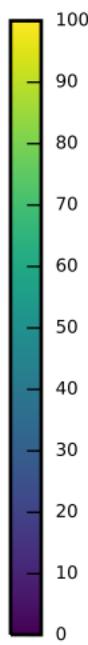
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cervix

FLNC

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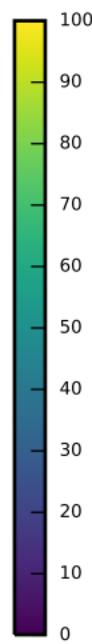
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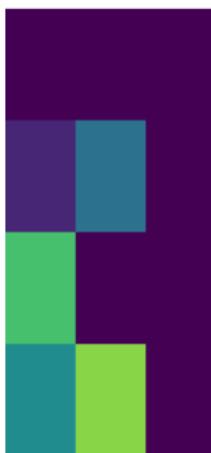
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# FMOD

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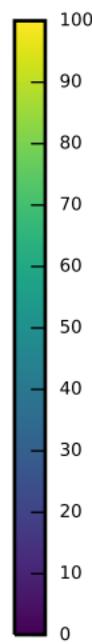
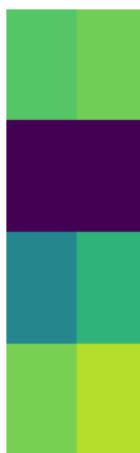
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cervix

P4HB

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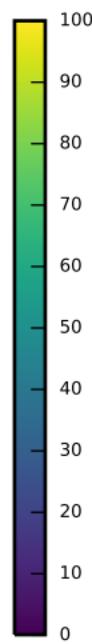
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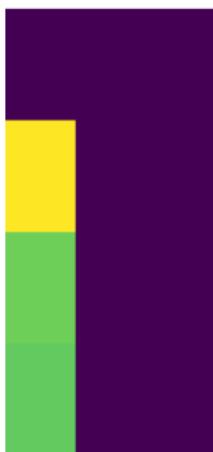
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PAM

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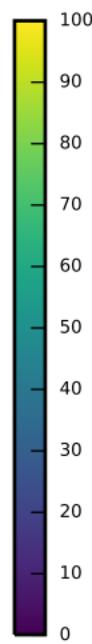
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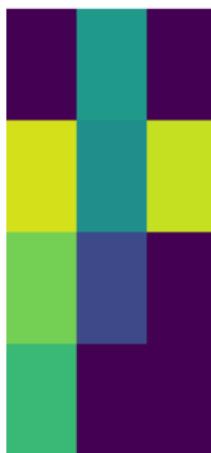
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FN1

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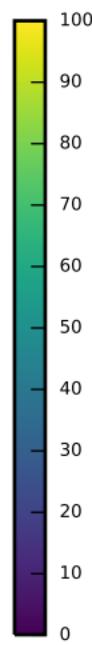
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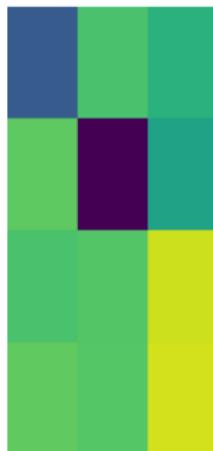
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# PAPLN

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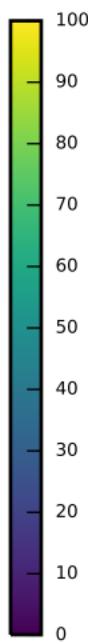
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cervix

FSCN

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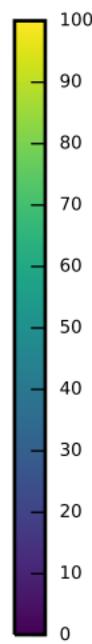
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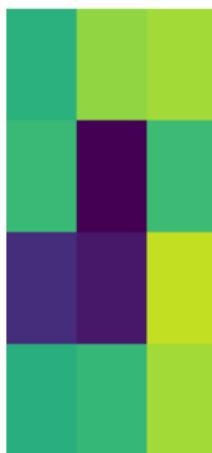
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# PARK7

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edj



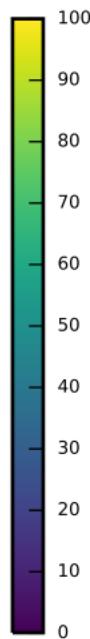
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# FSTL1

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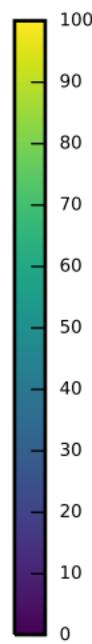
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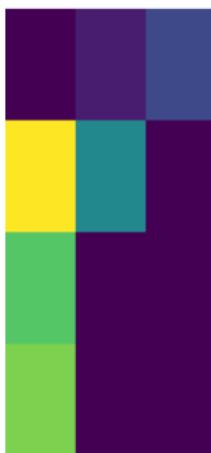
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# PCOLCE

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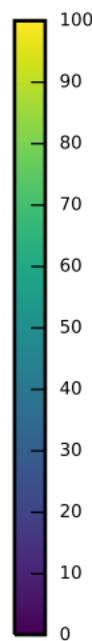
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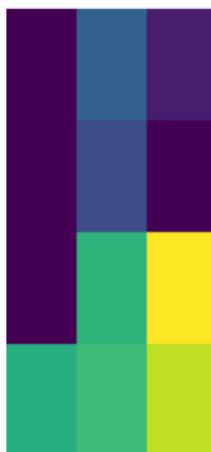
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GANAB

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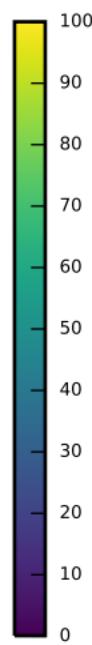
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cervix

PDHB

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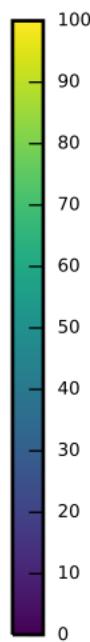
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cervix

pdi-p5

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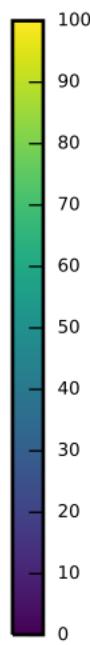
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cervix

# GAPDH

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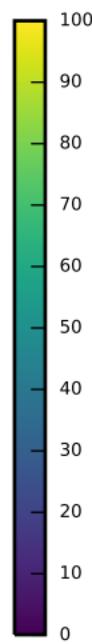
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cervix

# PEBP1

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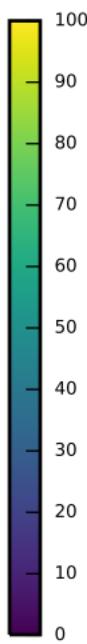
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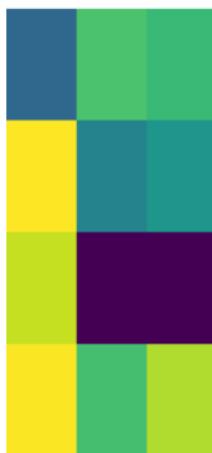
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GC

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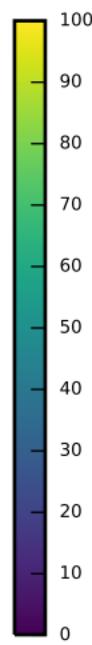
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cervix

PFN1

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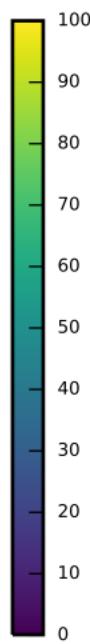
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cervix

# GCN1L1

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edj

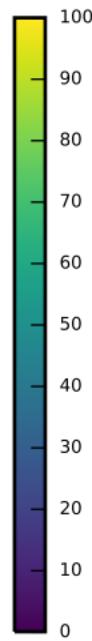


cervix

# PGAM1

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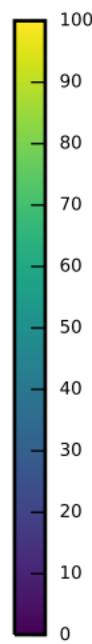
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cervix

PGK1

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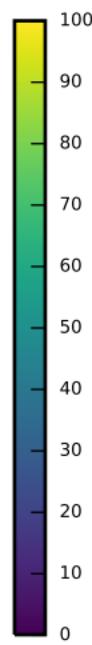
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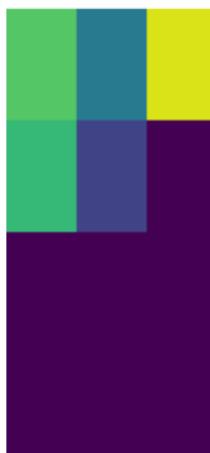
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## GDI2

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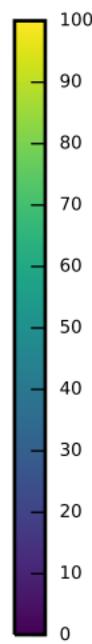
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cervix

# PGLYRP1

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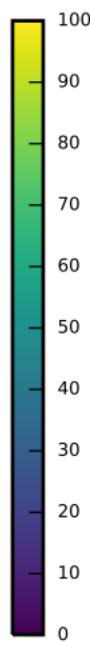
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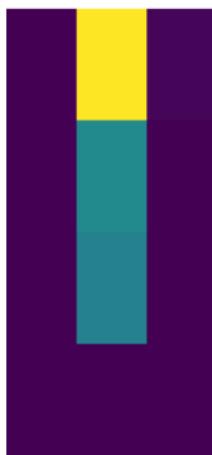
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GJA1

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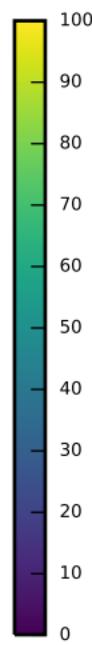
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cervix

PGM1

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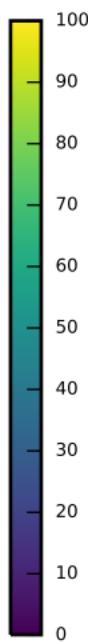
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cervix

# GLUD1

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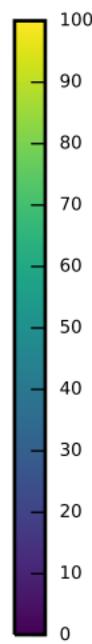
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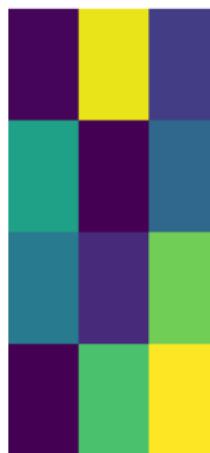
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# PGRMC1

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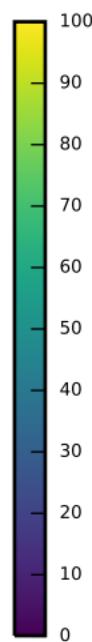
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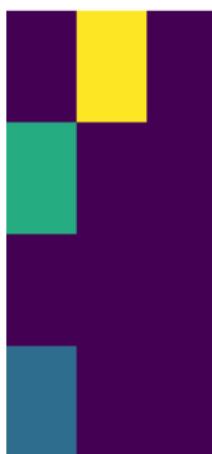
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PHB

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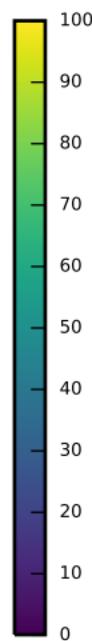
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cervix

# GNAI2

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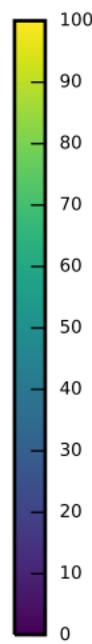
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cervix

PHB2

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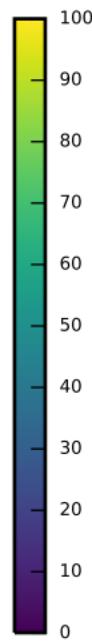
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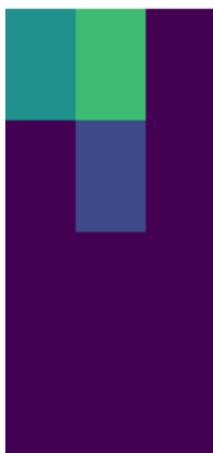
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# GNB2L1

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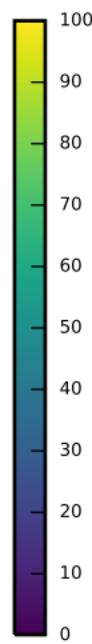
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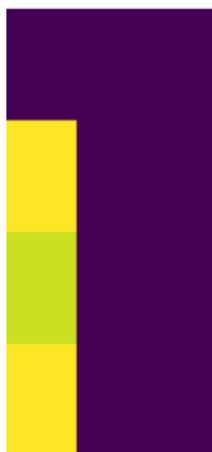
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# PHEX

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edj



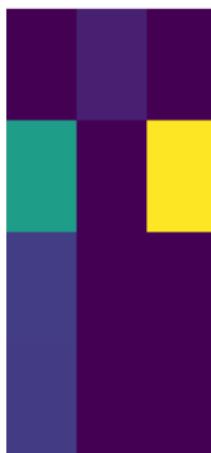
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# GOT1

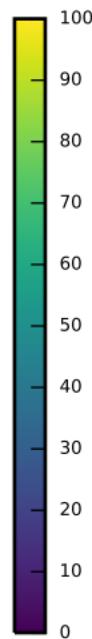
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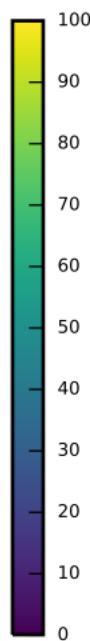


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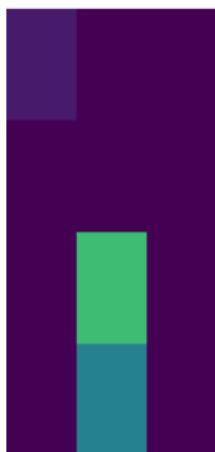


PI-9

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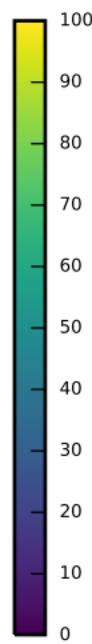
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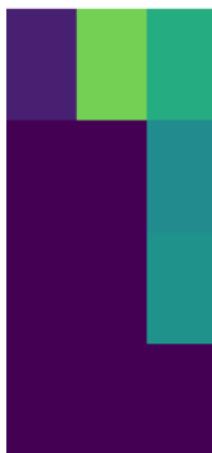
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GOT2

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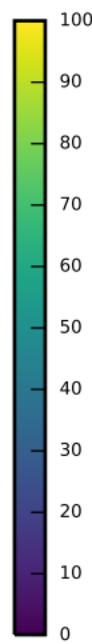
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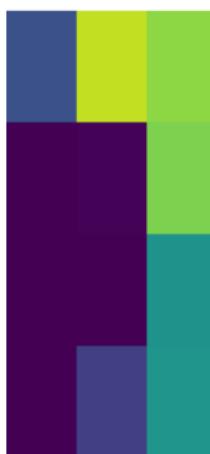
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PKM

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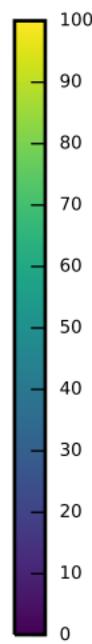
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cervix

PKP1

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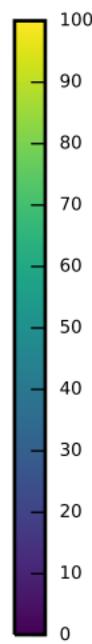
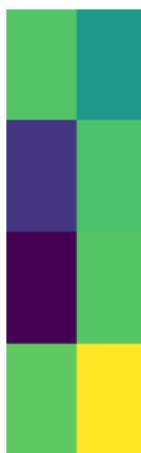
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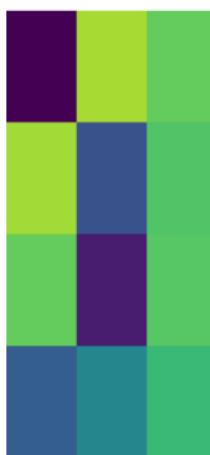
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GPI

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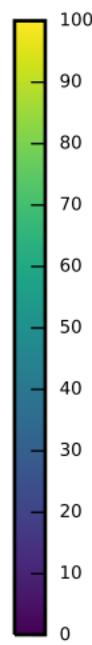
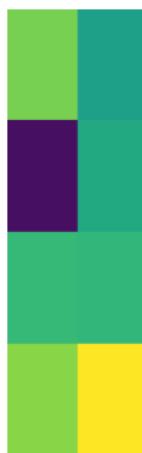
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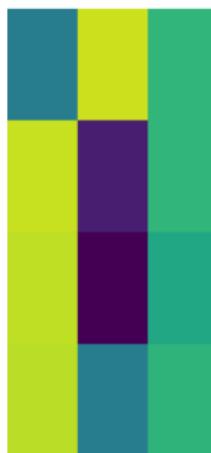
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# PLEC

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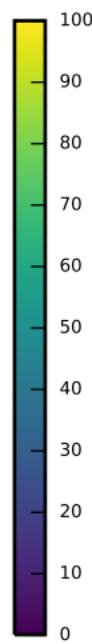
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# GPNMB

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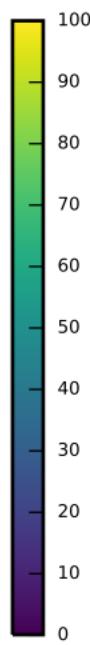
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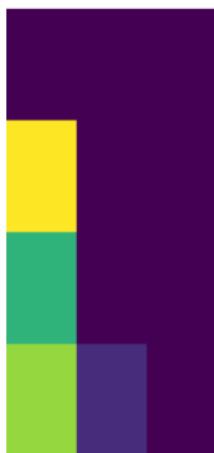
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**PLG**

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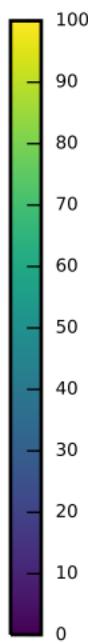
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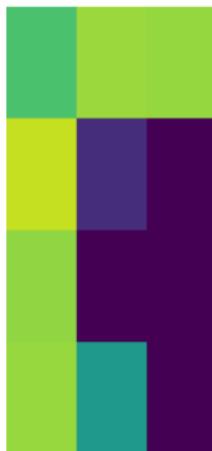
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# GPRC5B

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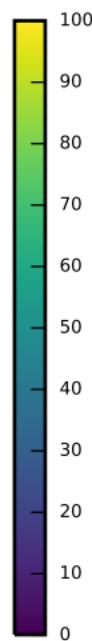
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cervix

PLOD1

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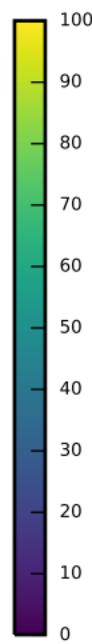


edj

cervix

GPX3

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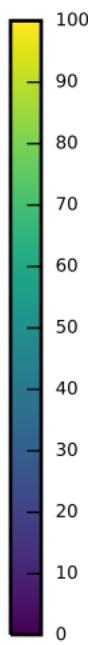
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cervix

PLS1

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edj



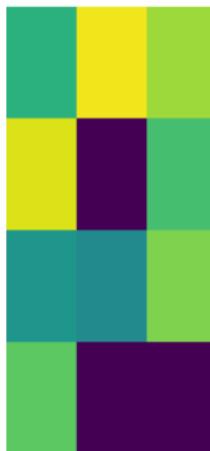
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PLS3

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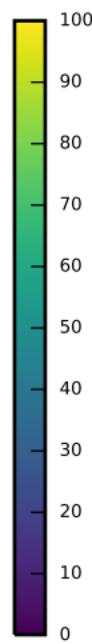
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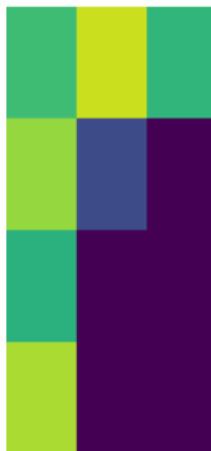
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grp-58

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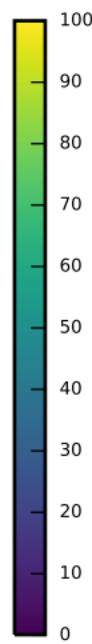
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cervix

# POSTN

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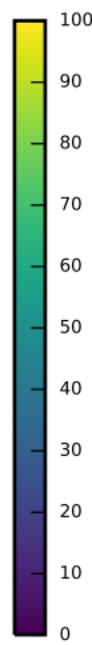
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cervix

GSN

1



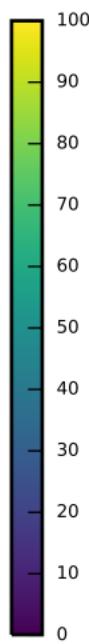
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cervix

PPIA

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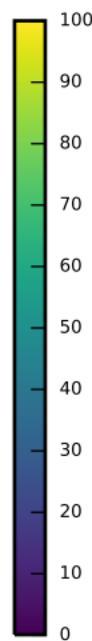
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cervix

# GSTP1

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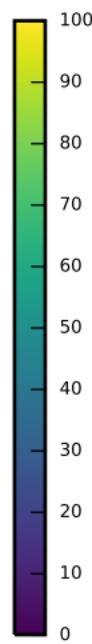
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cervix

# PRDX1

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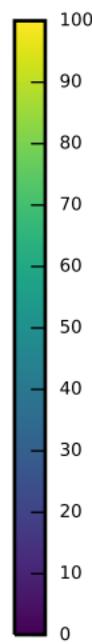
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cervix

## H2AFY

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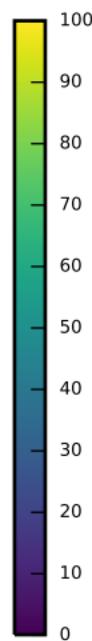
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cervix

# PRDX2

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edj

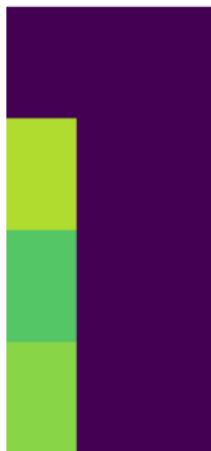
cervix

## HABP2

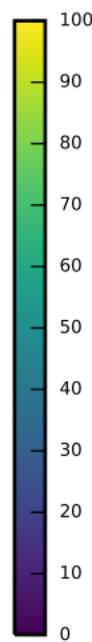
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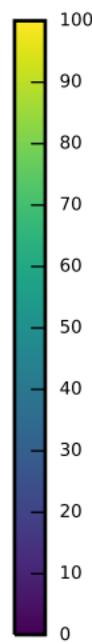


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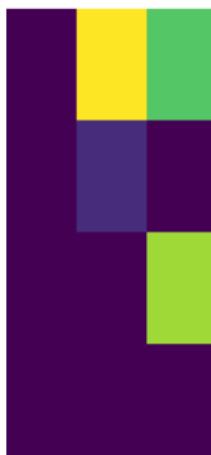


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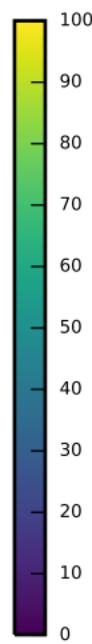
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cervix

# PRDX5

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edj



cervix

# HADH

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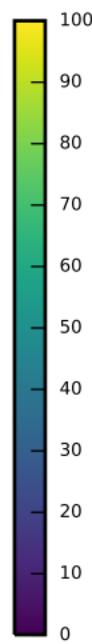
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cervix

# PRDX6

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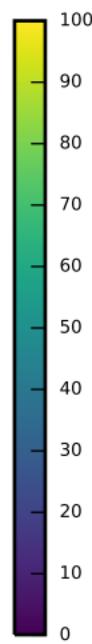
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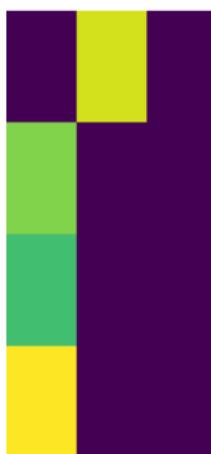
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# HADHA

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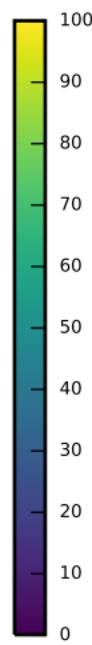
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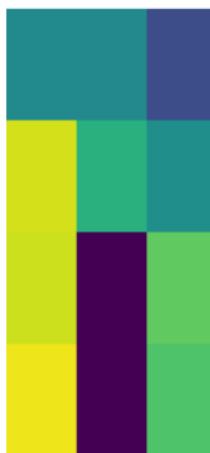
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PROC

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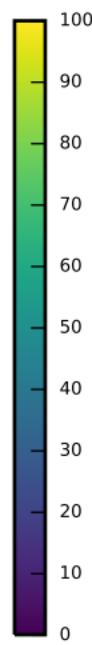
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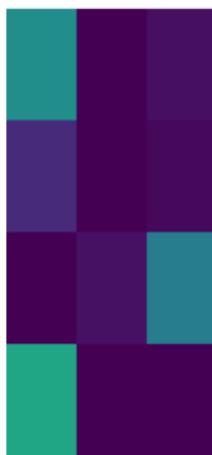
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# HAPLN1

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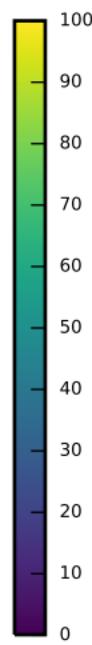
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# PROS

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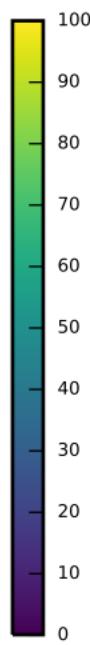
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HBA

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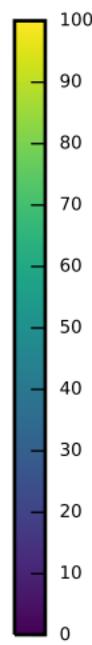
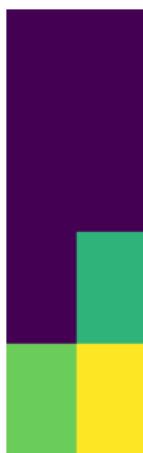
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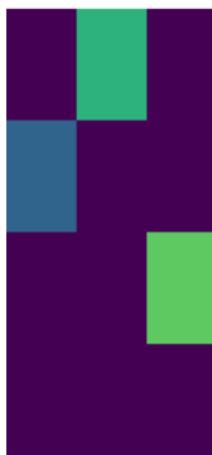
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# PTBP1

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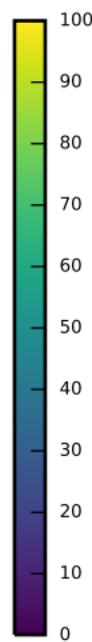
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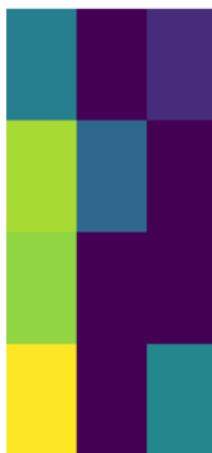
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# PTGDS

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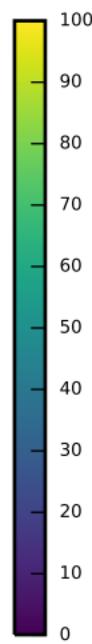
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cervix

# HIST12H

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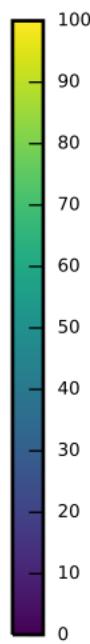


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# PTGIS

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edj



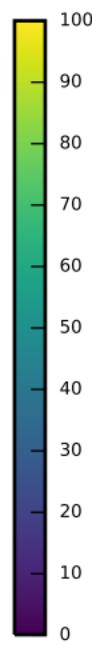
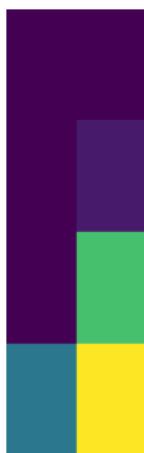
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cervix

# HIST1H1B

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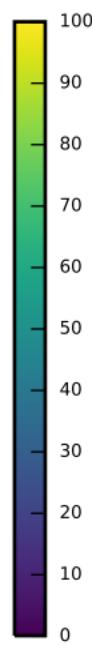
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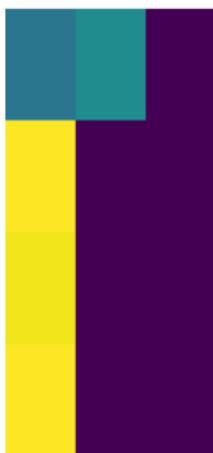
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PTN

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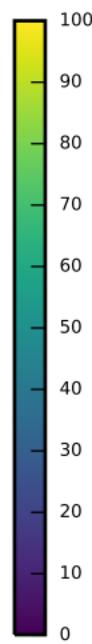
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cervix

# HIST1H2A

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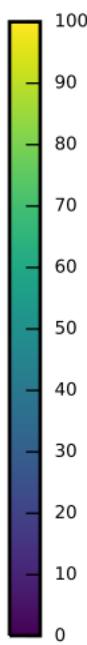


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cervix

PTX

1



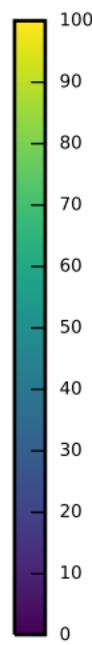
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cervix

PZP

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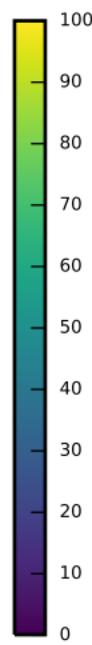
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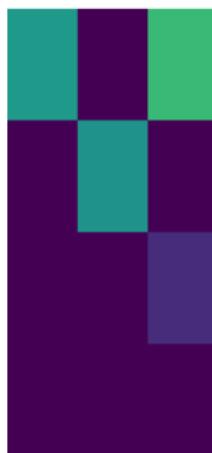
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# HIST1H2A

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edj



cervix

QPCT

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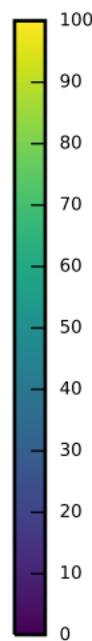
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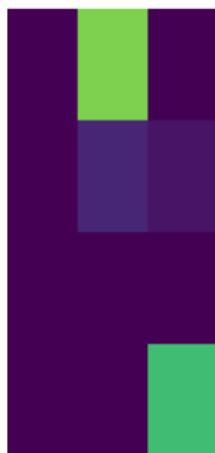
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# HIST1H2BN

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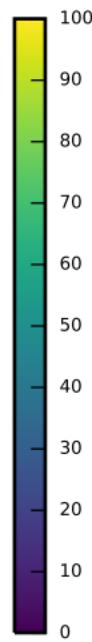
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cervix

# QSOX1

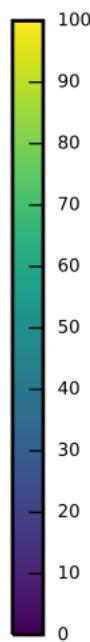
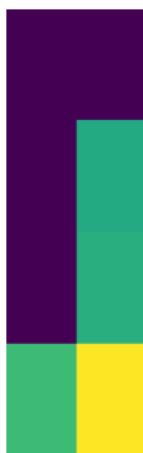
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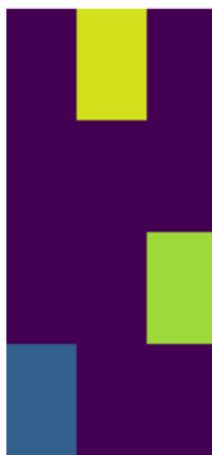
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# RAP1B

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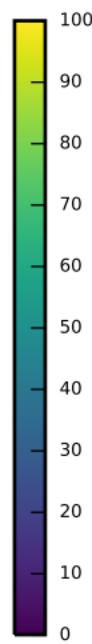
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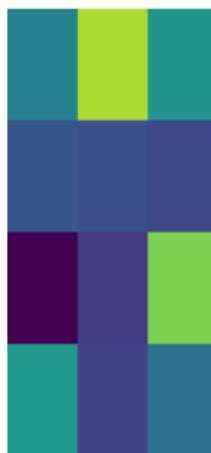
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# HIST1H4

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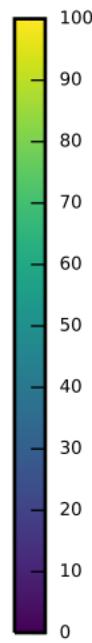
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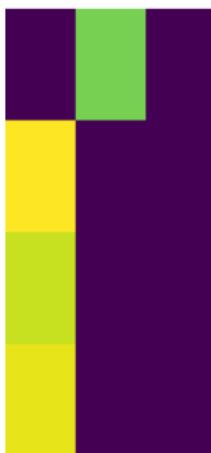
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# RARRES2

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edj



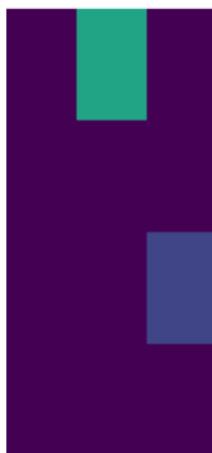
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# HIST2B

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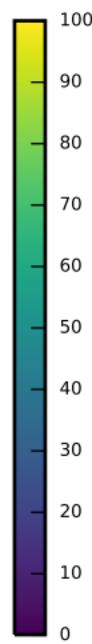
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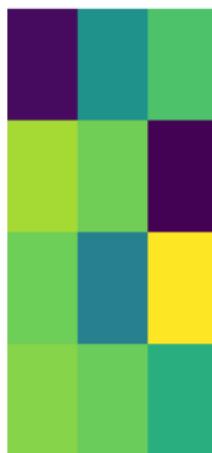
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RBMX

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edj



cervix

# RCN2

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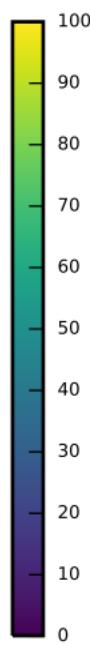


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HK1

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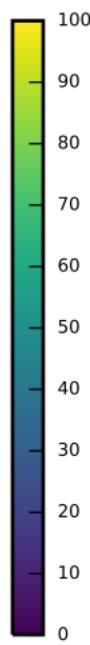
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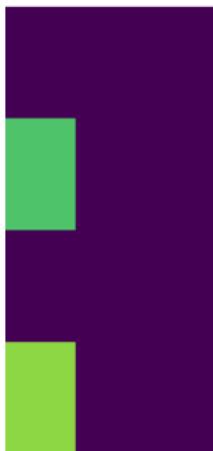
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# RCN3

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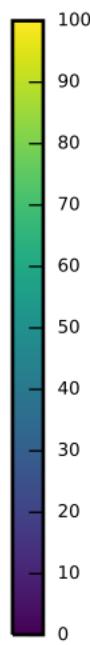
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# HMGB1

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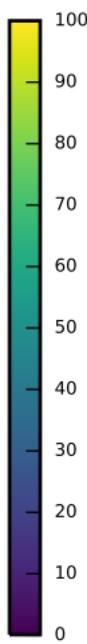
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cervix

RETN

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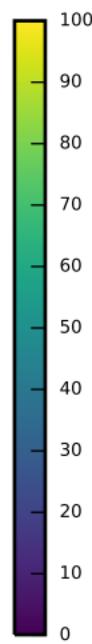
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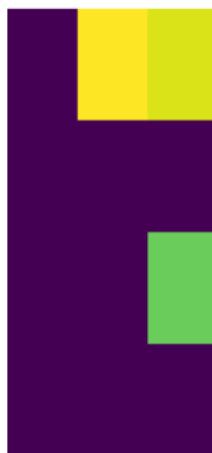
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# RNH1

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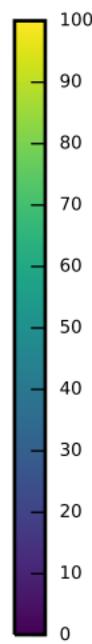
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# HNRNPA3

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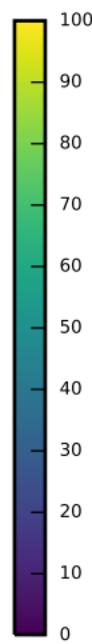
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cervix

# RPL12

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edj

cervix

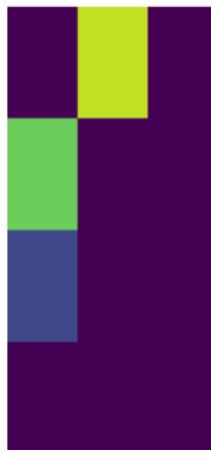


# HNRNPH1

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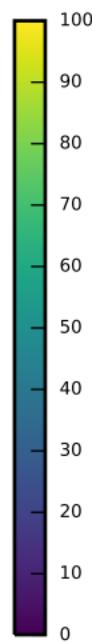
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cervix

# RPL13

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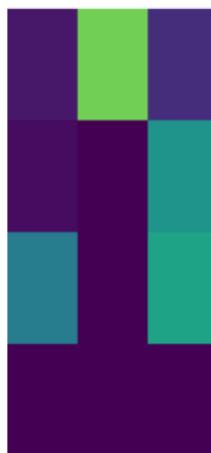
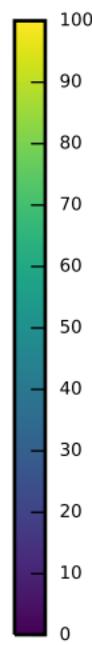


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# HNRNPK

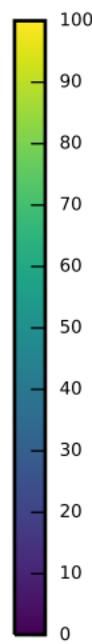
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# RPL13A

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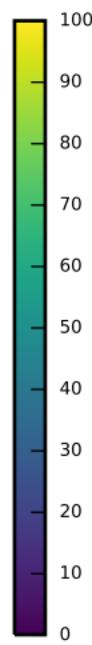
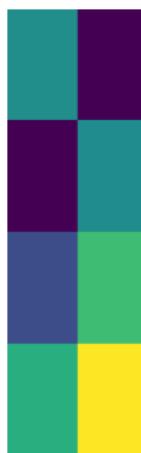
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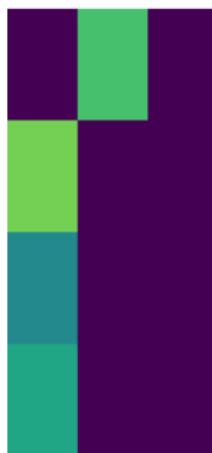
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# HNRNPU

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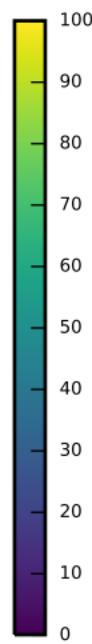
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# RPL15

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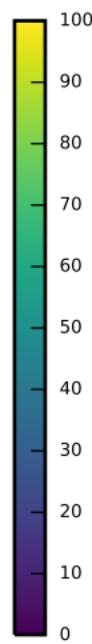
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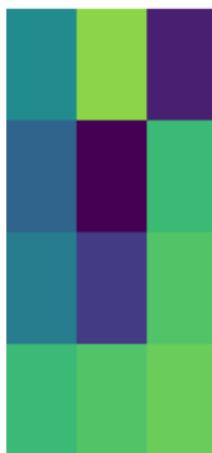
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HP

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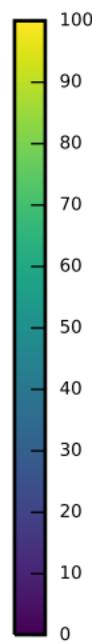
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cervix

# RPL17

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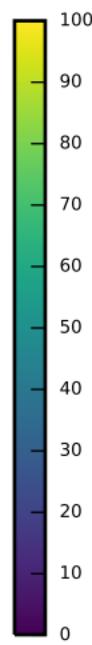
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# HP1BP3

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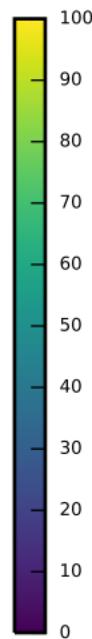
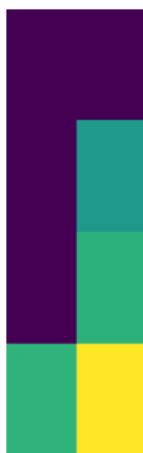
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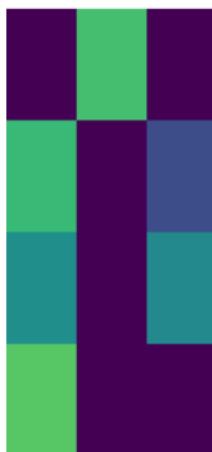
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# RPL18

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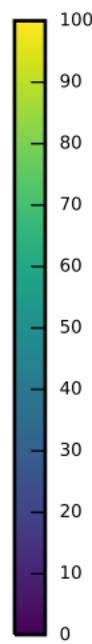
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cervix

**HPX**

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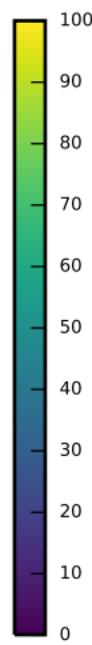
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cervix

# RPL18A

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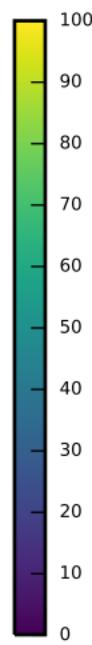
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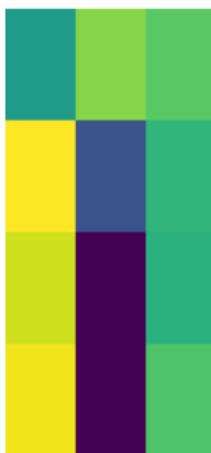
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HRG

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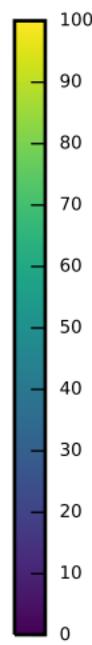
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cervix

# RPL22

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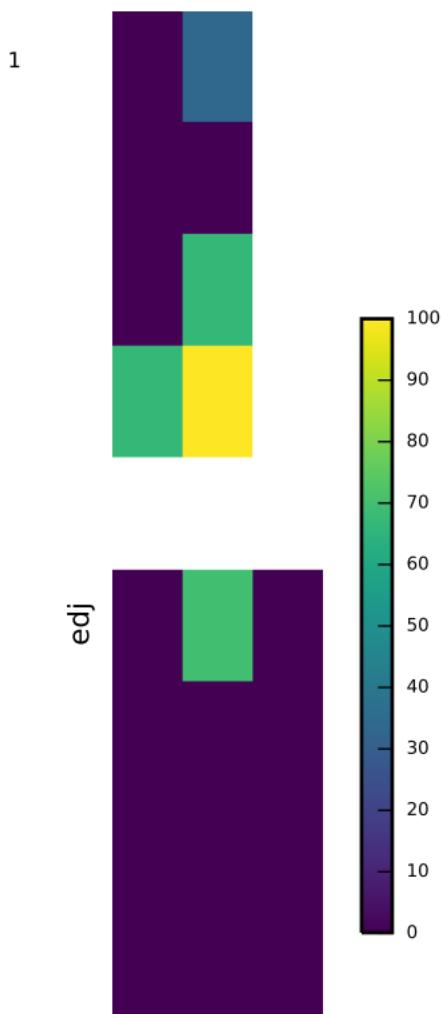


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cervix

RPL35



# RPL38

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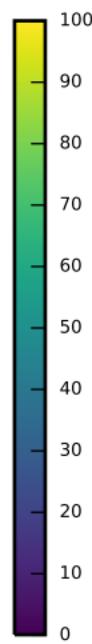
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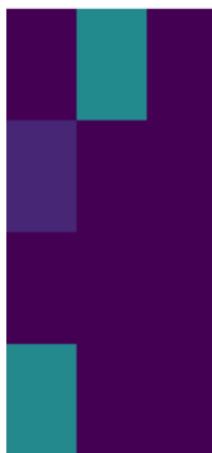
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# RPL4

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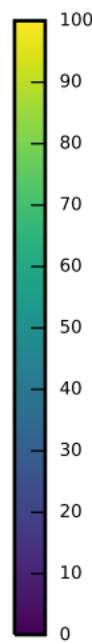
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cervix

# RPL6

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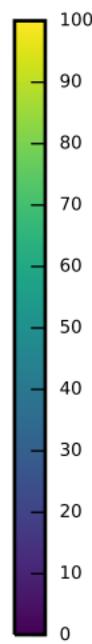
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cervix

# RPL7A

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edj



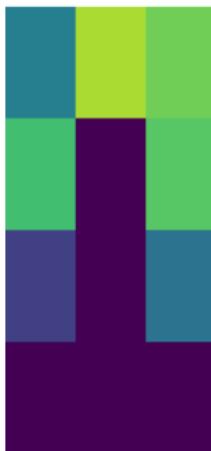
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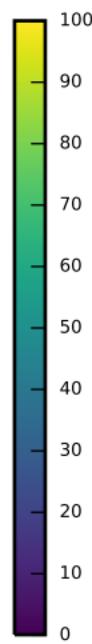
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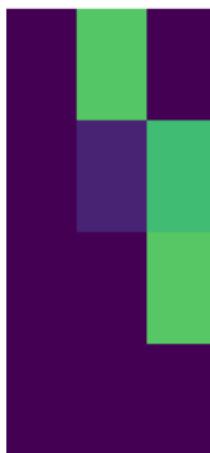
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RPL9

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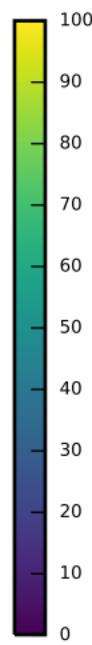
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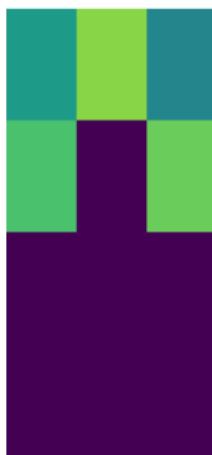
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# HSP90AB1

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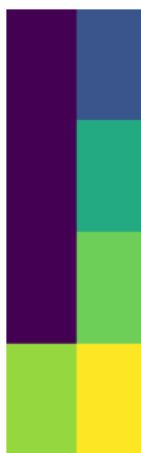
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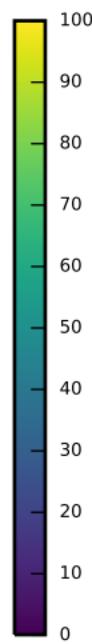
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# RPLP0

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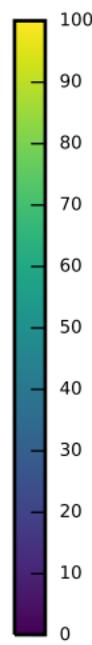
edj



cervix

# HSP90B1

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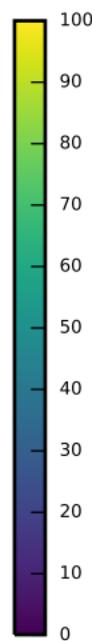
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cervix

# RPLP2

1



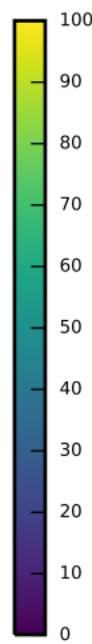
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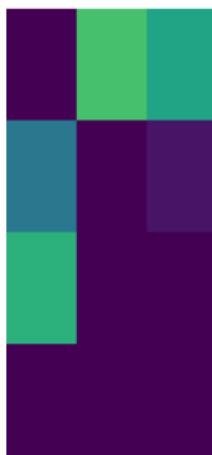
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# HSPA1L

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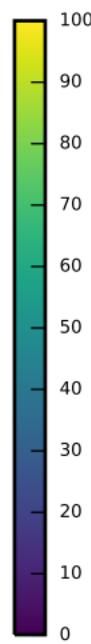
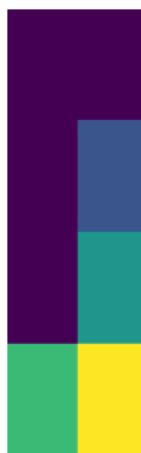
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cervix

RPN1

1



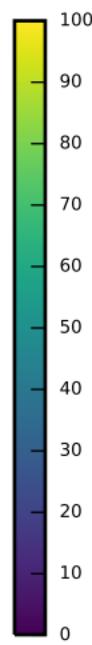
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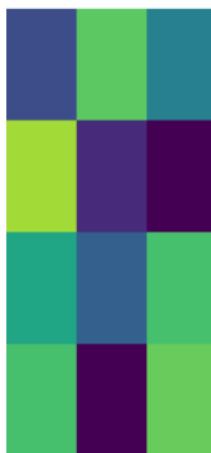
cervix

# HSPA5

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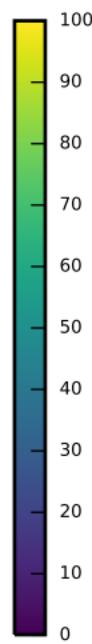
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cervix

RPN2

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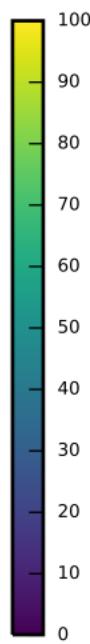
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cervix

# HSPA9

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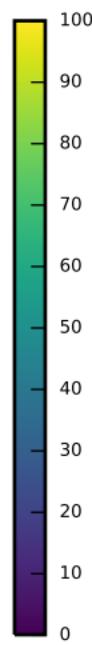
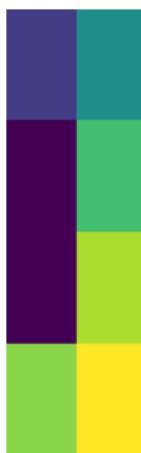
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cervix

# RPS10

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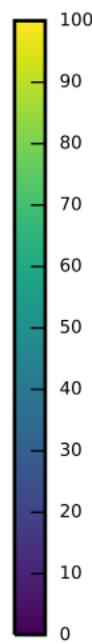
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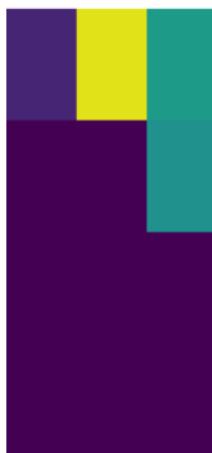
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# HSPB1

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edj



cervix

# RPS13

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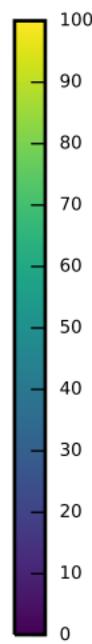
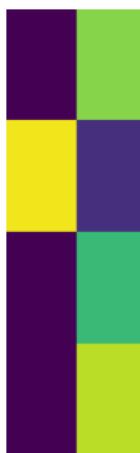
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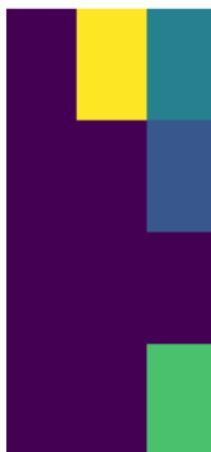
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HSPD1

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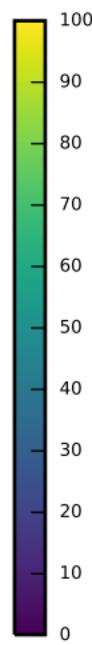
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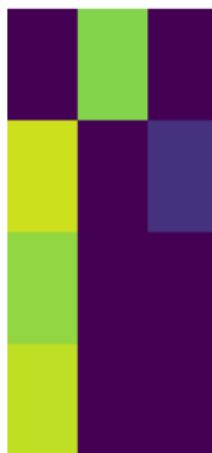
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# RPS15A

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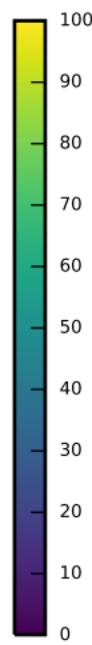
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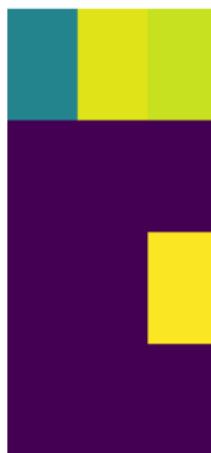
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# HSPE1

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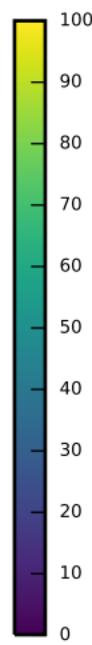
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cervix

# RPS16

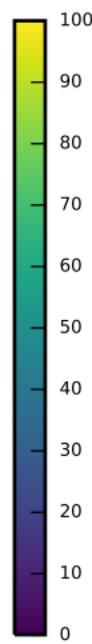
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cervix

# RPS18

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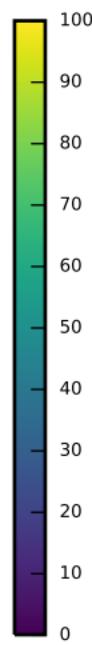
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cervix

# HSPG2

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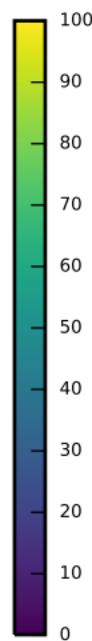
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cervix

RPS2

1



edj

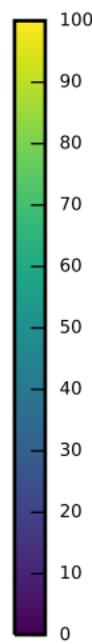


cervix

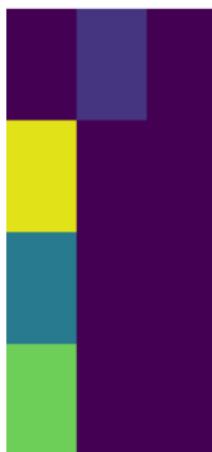


## HSPG2

1



edj



cervix



# RPS26

1



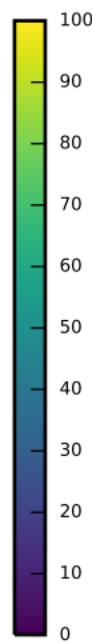
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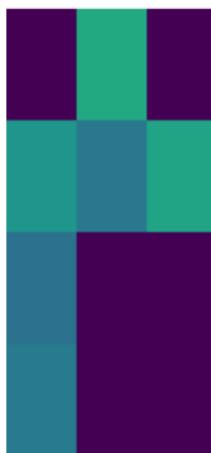
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# HTRA1

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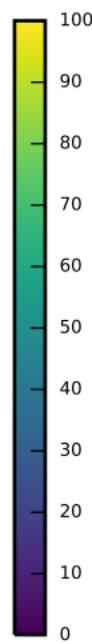
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cervix

RPS3

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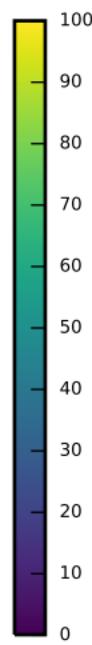
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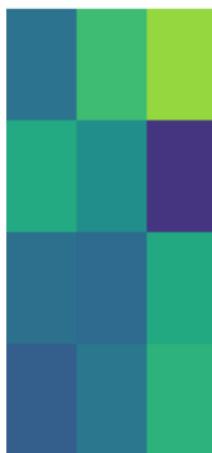
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# IBSP

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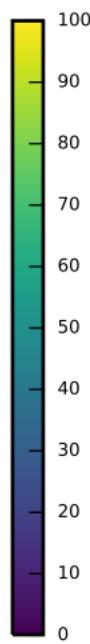
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cervix

# RPS3A

1



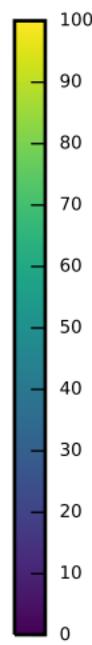
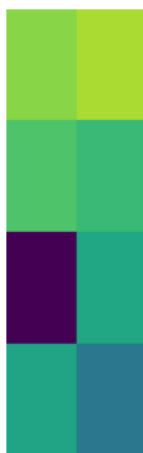
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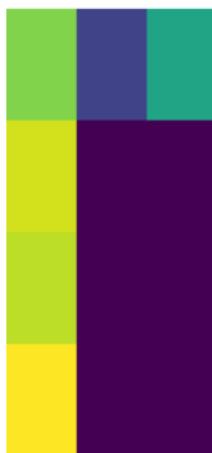
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ICA

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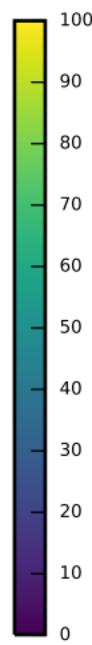
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cervix

# RPS4X

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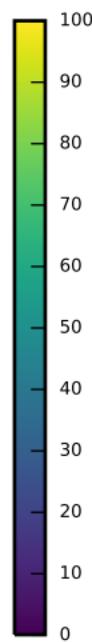
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cervix

# IDUA

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edj

cervix

RPS5

1



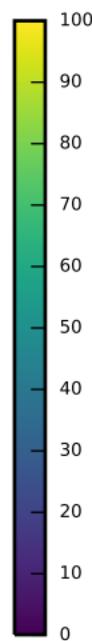
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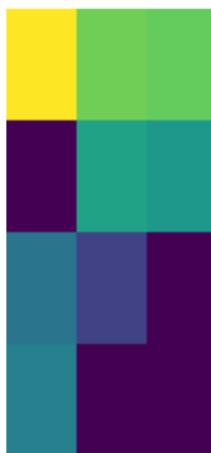
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IGHA

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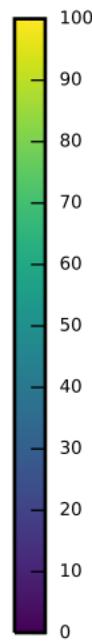
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cervix

# RPS6

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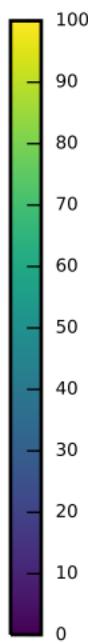
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cervix

IGHG

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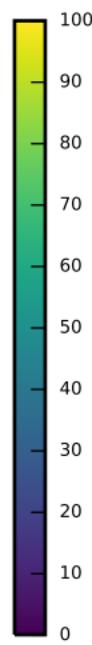
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cervix

# RPS7

1



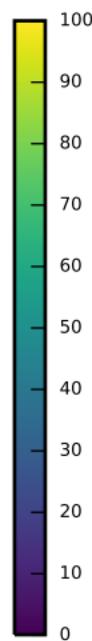
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cervix

IGHG

1



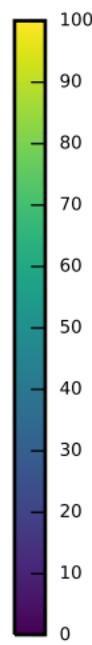
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cervix

# IGHM

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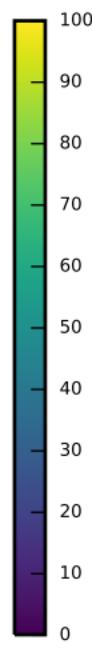
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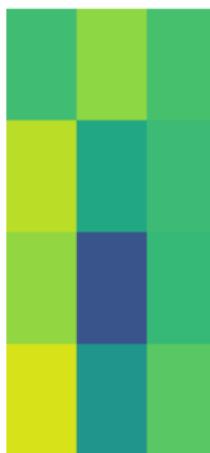
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IGKC

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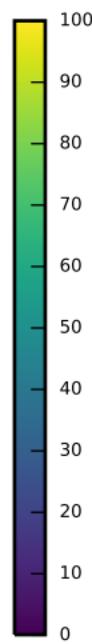
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cervix

# IGLC

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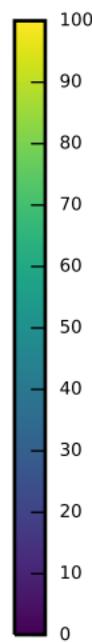
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cervix

# RPS8

1

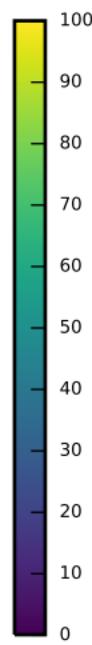


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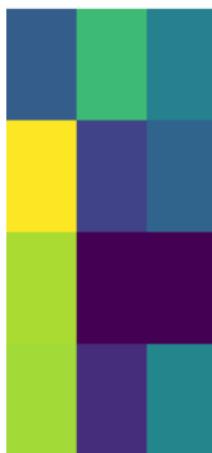
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IGV

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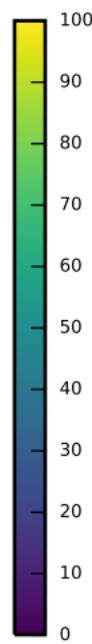
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cervix

RPSA

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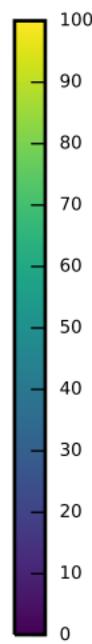
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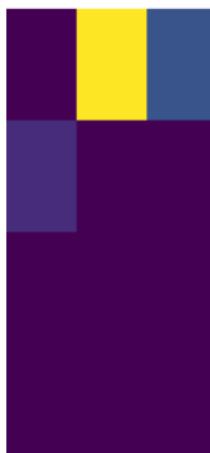
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IMMT

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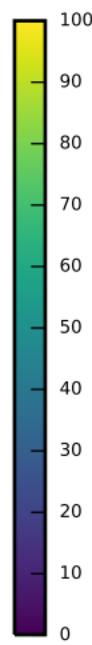
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cervix

# RRBP1

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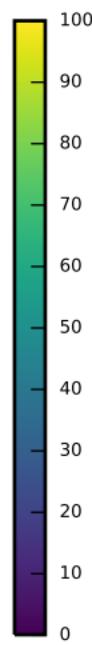
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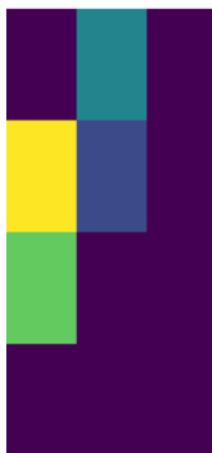
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# IQGAP1

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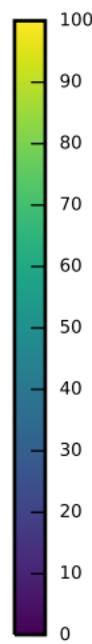
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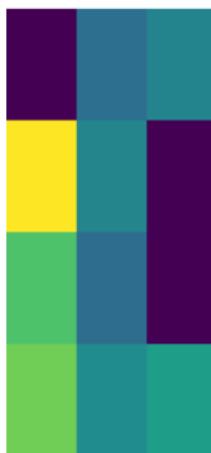
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# RSPO4

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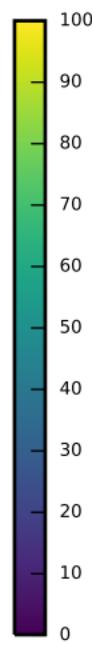
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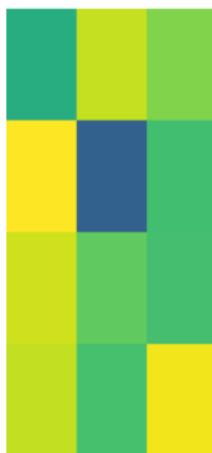
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# IQGAP2

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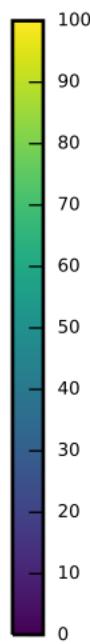
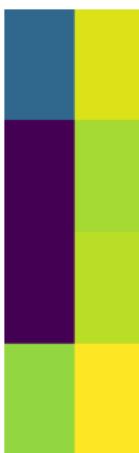
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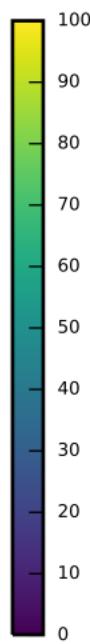
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S100

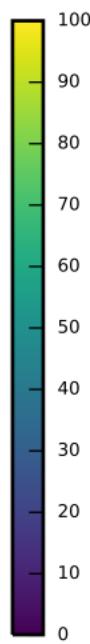
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edj

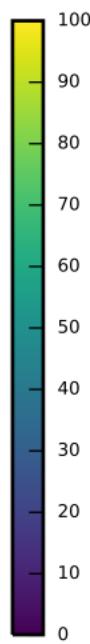


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ITGA6

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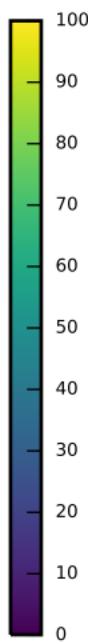
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cervix

S100

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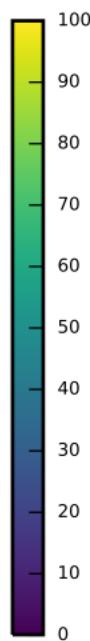
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cervix

ITGAV

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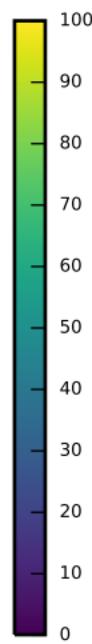
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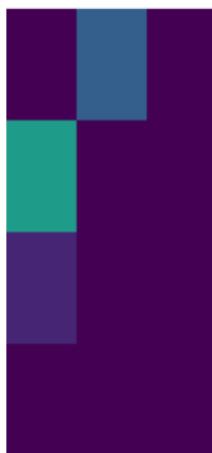
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# S100A10

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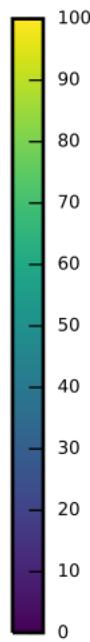
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cervix

# S100A12

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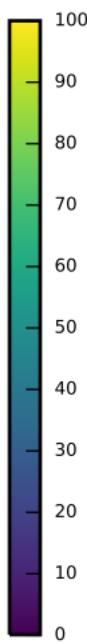
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cervix

ITGB

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edj



cervix

S100A14

1



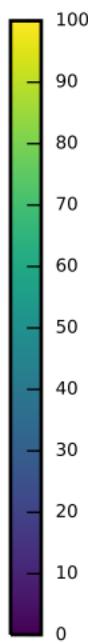
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cervix

# ITGB4

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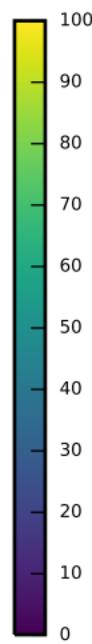
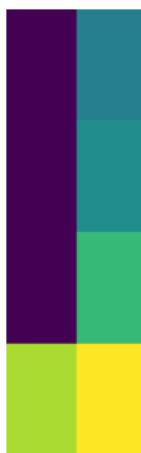
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cervix

# S100A4

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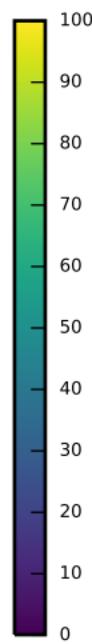


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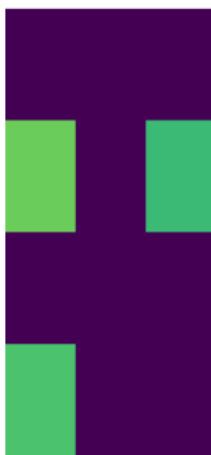
cervix

ITIH2

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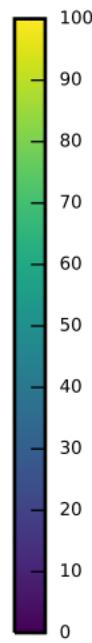
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cervix

S100A6

1



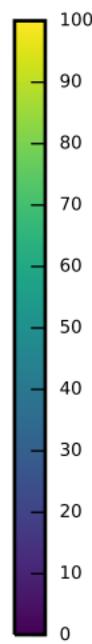
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cervix

**ITIH4**

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edj

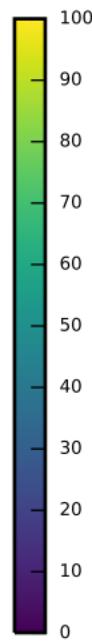


cervix



# S100A7L2

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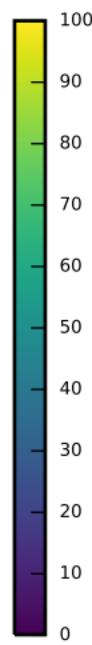
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cervix

# JCHAIN

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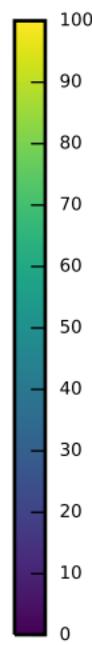
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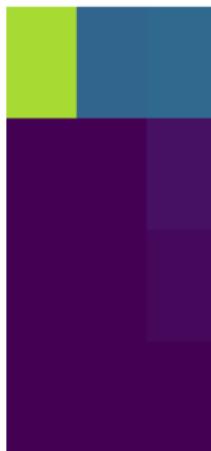
cervix

S100A8

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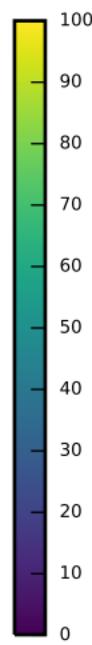
edj



cervix

Jup

1



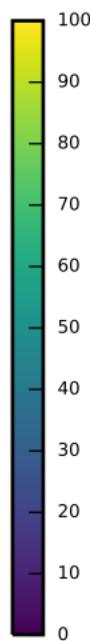
edj



cervix

# S100A9

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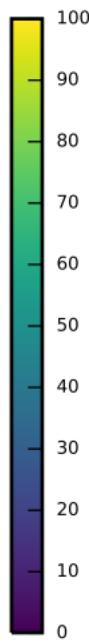


edj

cervix

K6-irs1

1



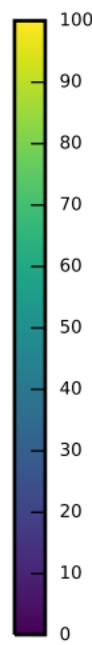
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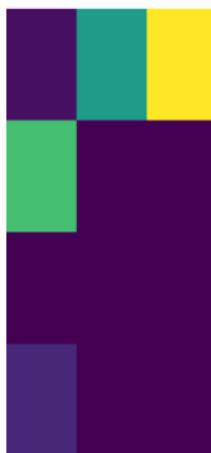
cervix

S100B

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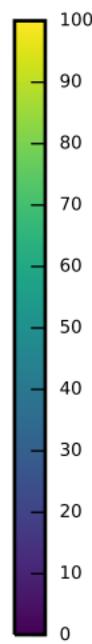
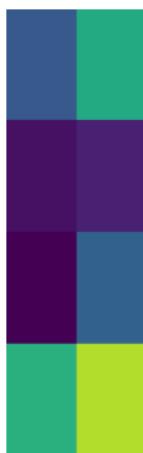
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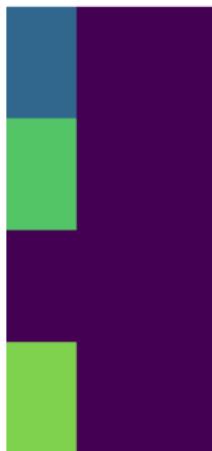
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# KAZALD1

1



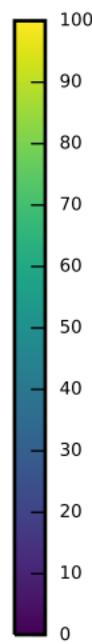
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cervix

SAL1

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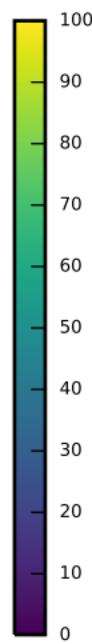
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cervix

**KLK4**

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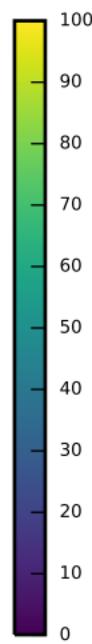
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cervix

# SCRN1

1



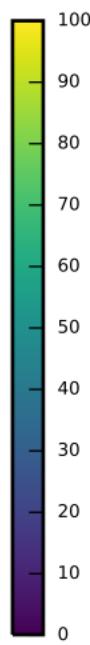
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cervix

KRT1

1

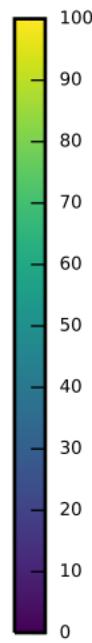


edj

cervix

# SCUBE1

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edj



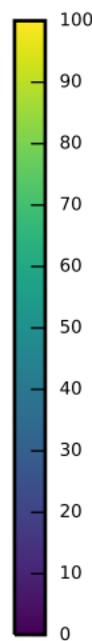
cervix

# KRT1-T14

1



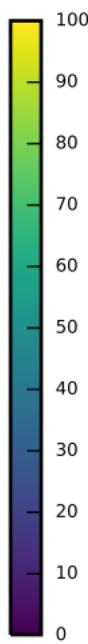
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cervix

SDF4

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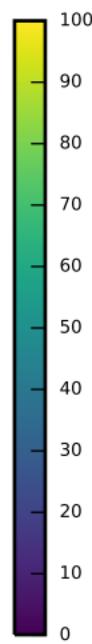
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cervix

# KRT10

1



edj

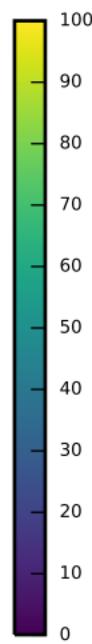
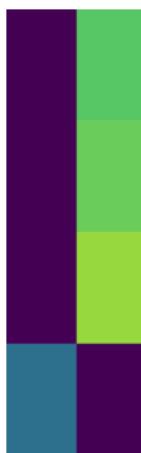


cervix



SDHA

1



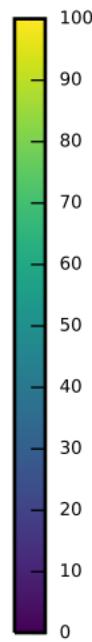
edj



cervix

# KRT13

1

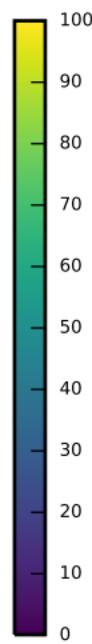


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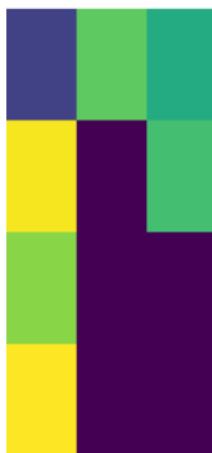
cervix

# SEMA3D

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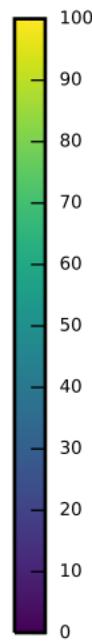
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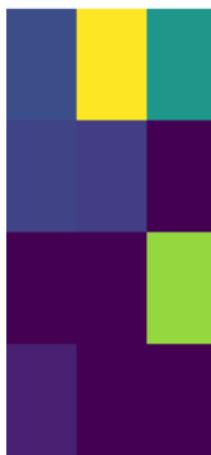
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# KRT14

1



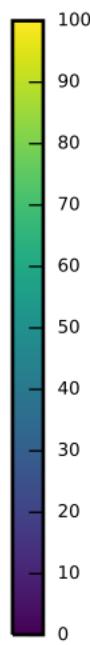
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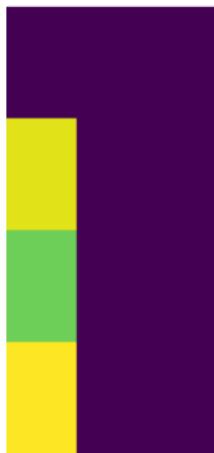
cervix

# SEMA3E

1



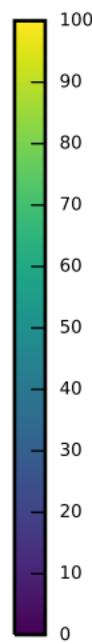
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cervix

# KRT15

1



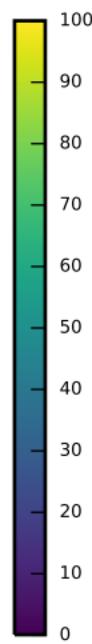
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cervix

SEP\_11

1



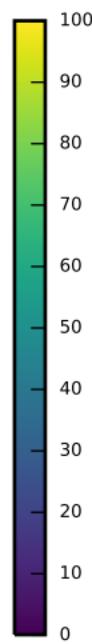
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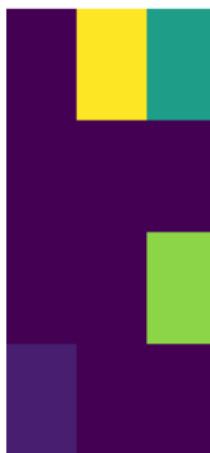
cervix

# KRT19

1



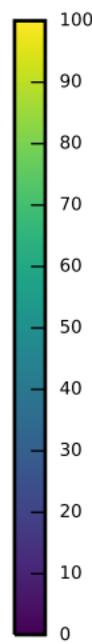
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cervix

# SERPIN1

1



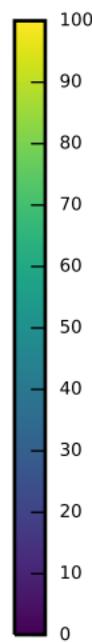
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cervix

# KRT2A

1



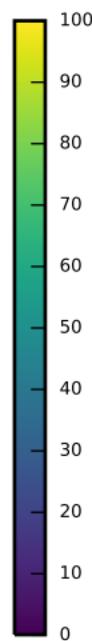
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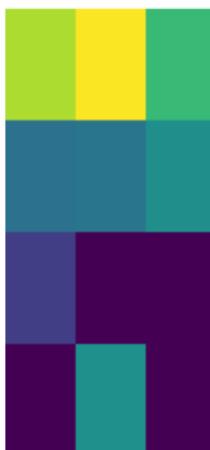
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## SERPINA3-2

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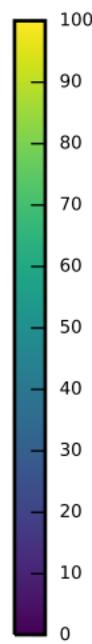
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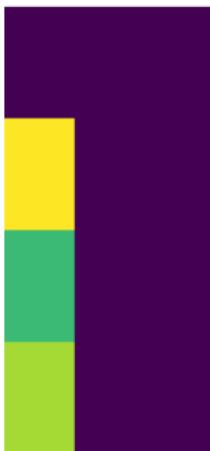
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KRT3

1



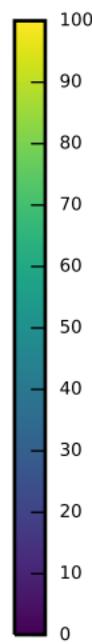
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cervix

# SERPINA36

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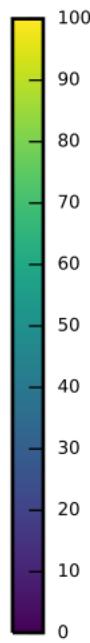
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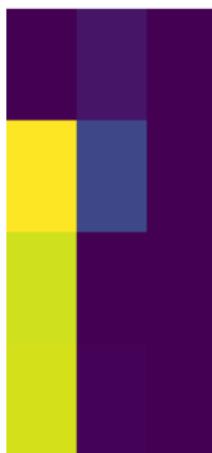
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# KRT36

1



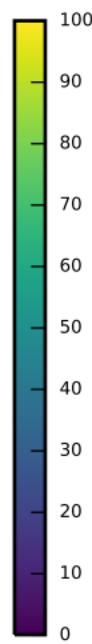
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cervix

# SERPINA38

1



edj



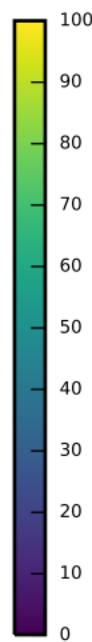
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KRT4

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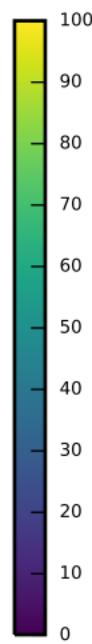
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cervix

# SERPINA38

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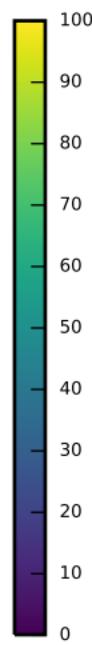
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cervix

# SERPINA5

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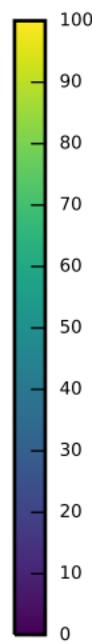
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cervix

KRT5

1



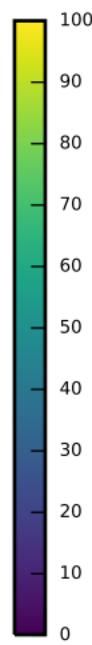
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cervix

# SERPINB1

1



edj



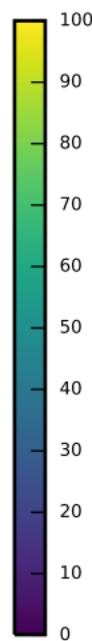
cervix

# KRT6A

1



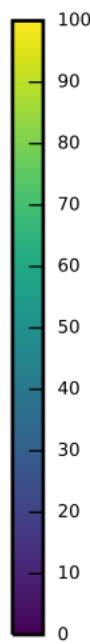
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cervix

# SERPINB10

1



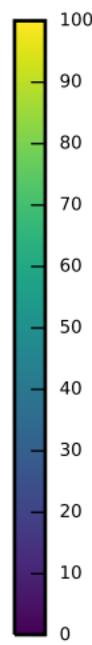
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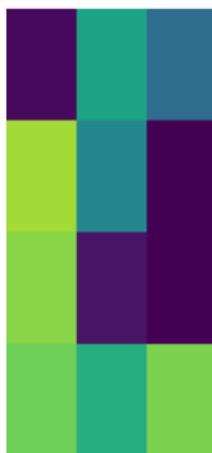
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# KRT74

1



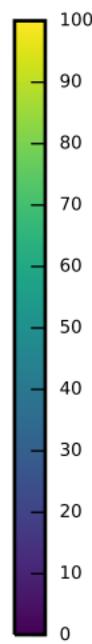
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cervix

# SERPINB5

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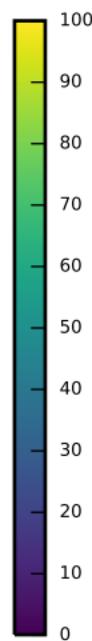
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cervix

# KRT75

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edj

cervix

# SERPINC1

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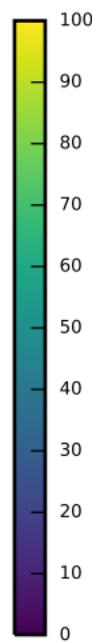
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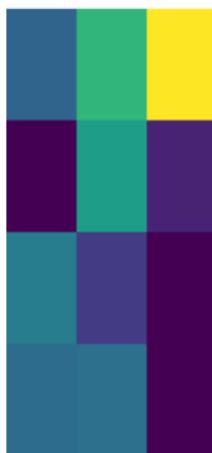
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# KRT77

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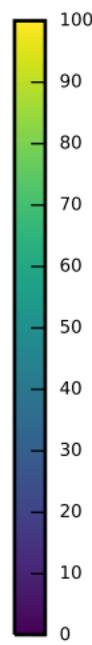
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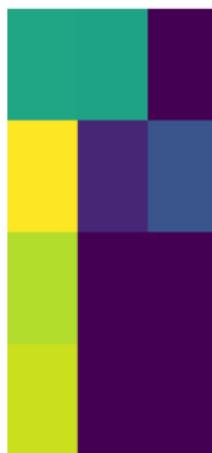
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# SERPIND1

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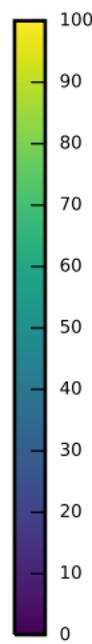
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cervix

# KRT79

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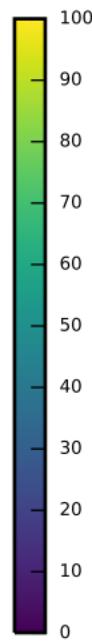
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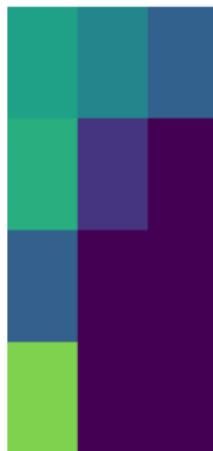
cervix

## SERPINE2

1



edj



cervix

KRT8

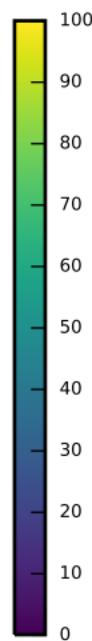
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edj

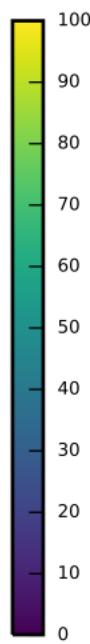


cervix



# SERPINF1

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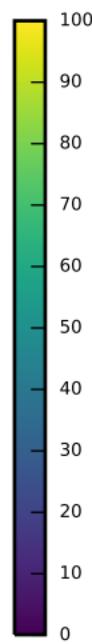
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cervix

# KRT86

1



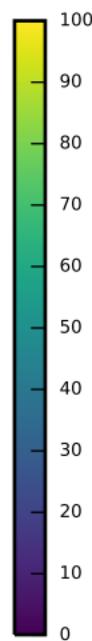
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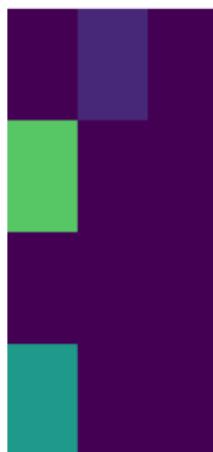
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# SERPING1

1



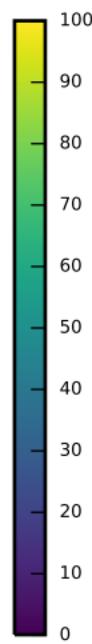
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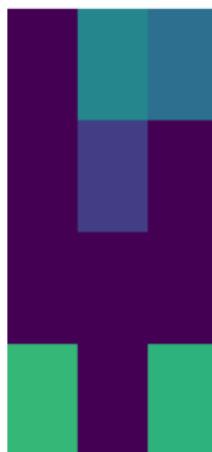
cervix

# SERPINH1

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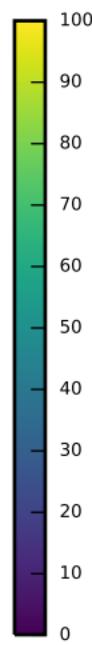
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cervix

SET

1



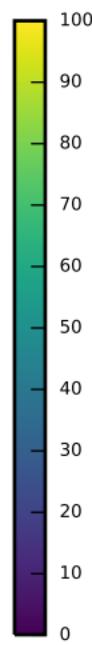
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cervix

# SF3B1

1



edj



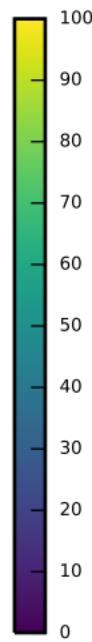
cervix

# LAMA3

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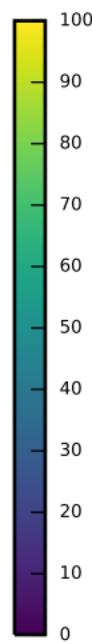
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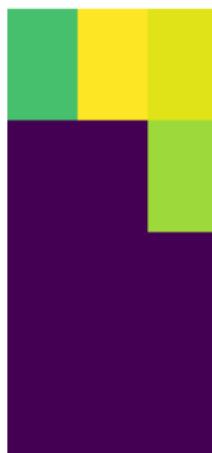
cervix

Sfn

1



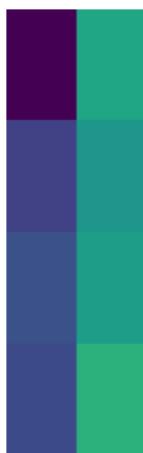
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cervix

LAMC2

1



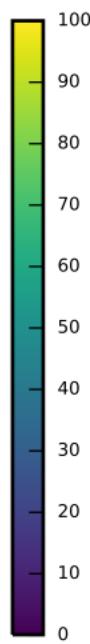
edj



cervix

SFRP2

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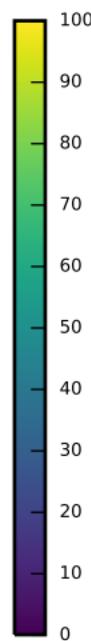
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cervix

**LCN2**

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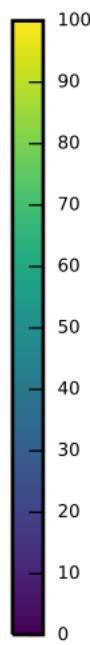
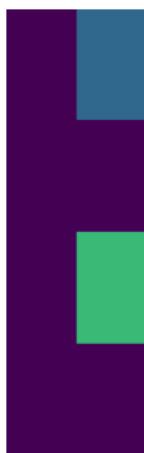
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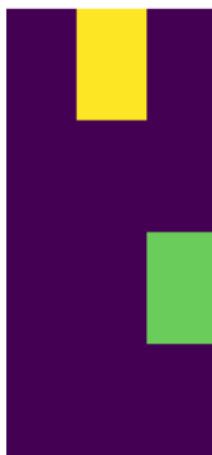
cervix

# SLC20A2

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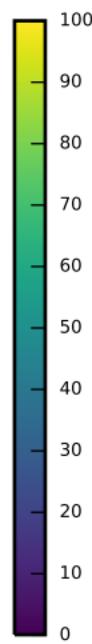
edj



cervix

LCP1

1



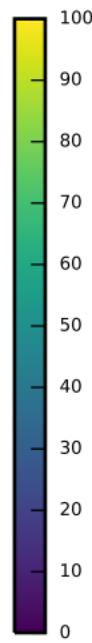
edj



cervix

# SLC25A11

1

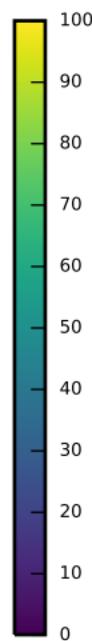


edj

cervix

# LCTHIO

1



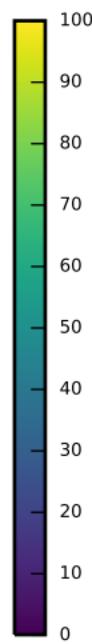
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cervix

# SLC25A12

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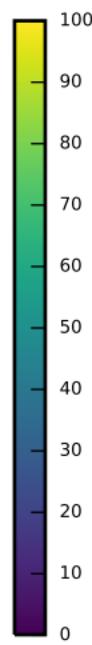
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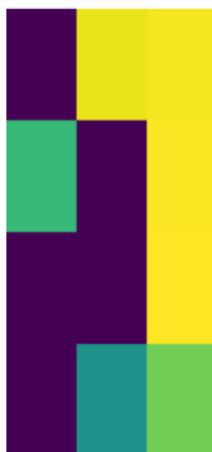
cervix

LDHA

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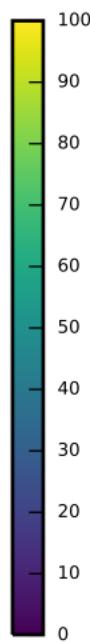
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cervix

# *SLC25A3*

1



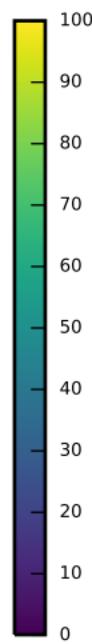
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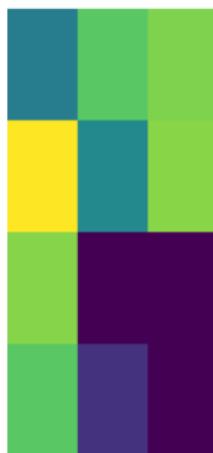
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LDHB

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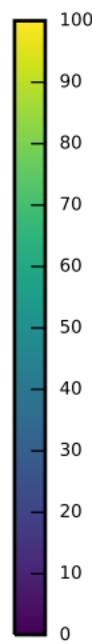
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cervix

# *SLC4A1*

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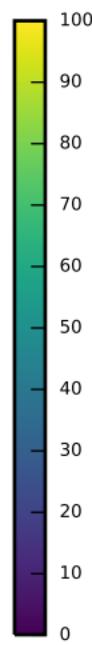
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# LGALS1

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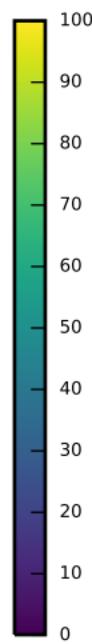
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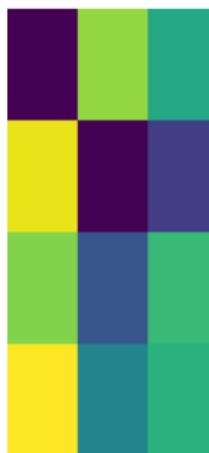
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# SLIT3

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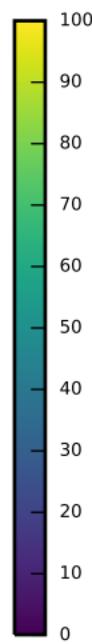
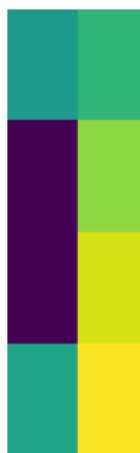
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cervix

# LGALS3

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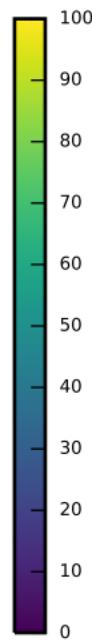
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cervix

# SNRNP200

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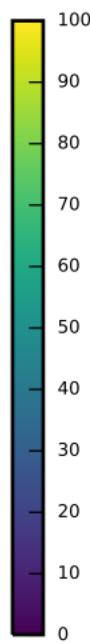
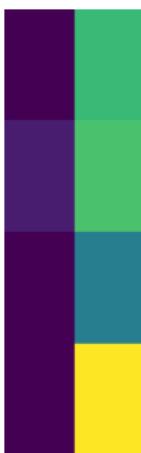
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cervix

# LMNB1

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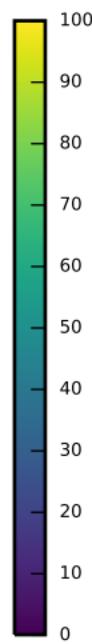
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cervix

SOD1

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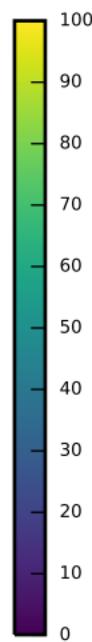
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cervix

**LOX**

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**edj**



**cervix**



# SPARC

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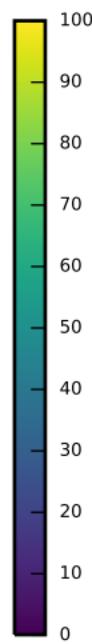
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cervix

# SPARCL-1

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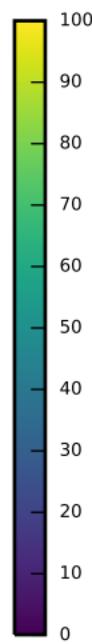
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cervix

LRP1

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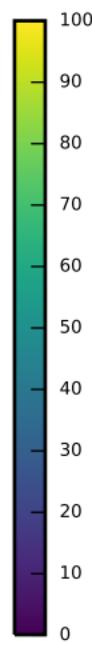
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cervix

SPP1

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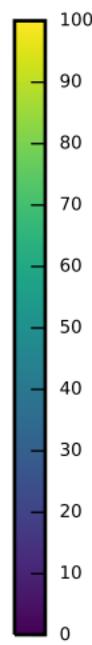
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cervix

# LRRC15

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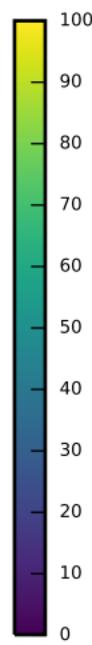
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cervix

SPP2

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edj



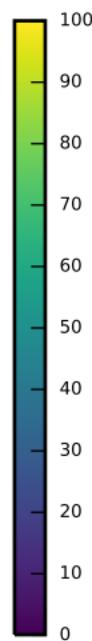
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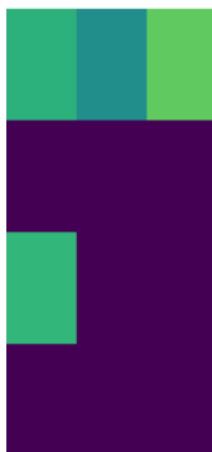
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LTF

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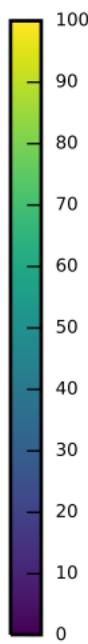
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cervix

SPR

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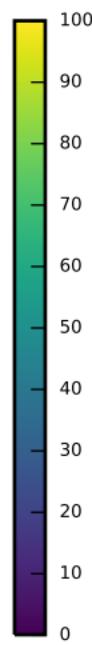
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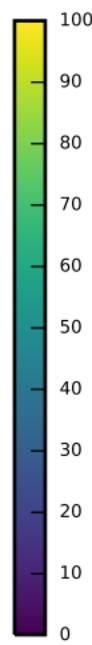
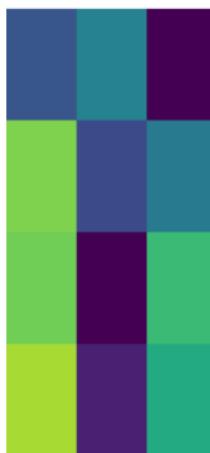
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LUM

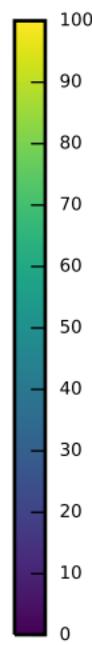
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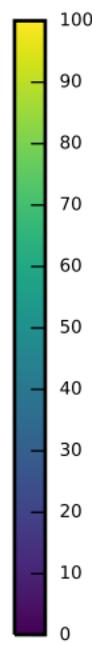


cervix



# SPTAN1

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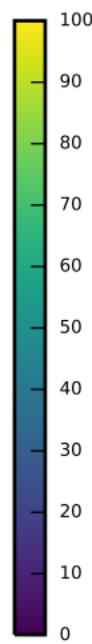
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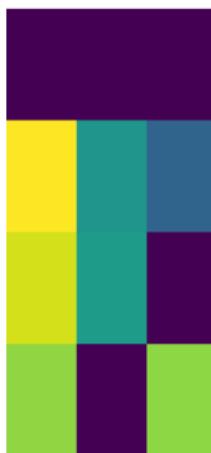
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LYZ

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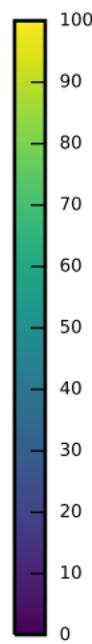
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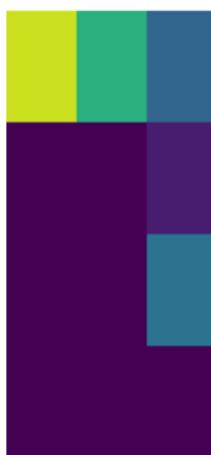
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SRI

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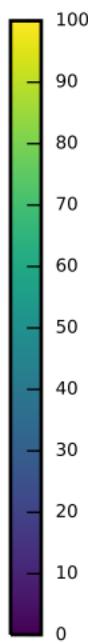
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cervix

# MACF1

1



edj



cervix

SRPX

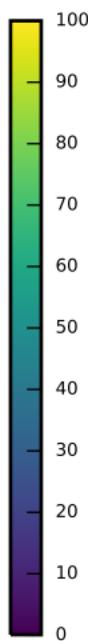
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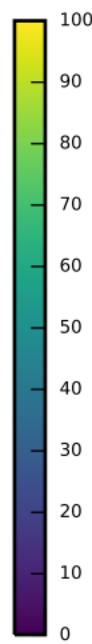


cervix



# MARCKS

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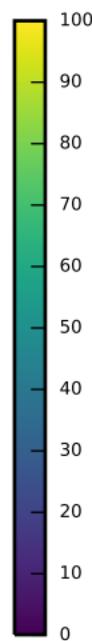
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cervix

SSR1

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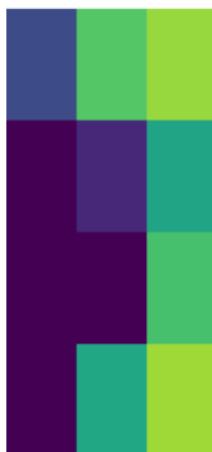
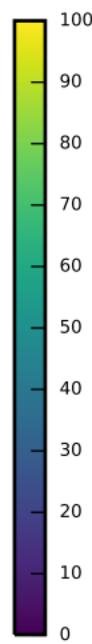
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MB

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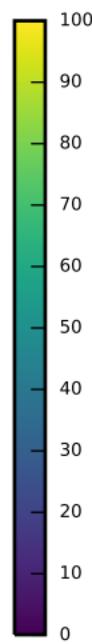
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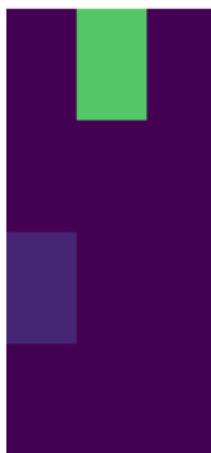
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SSR4

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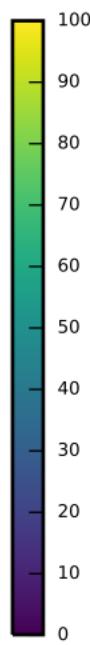
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cervix

**MDH1**

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edj



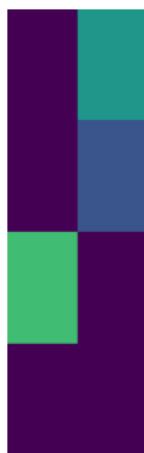
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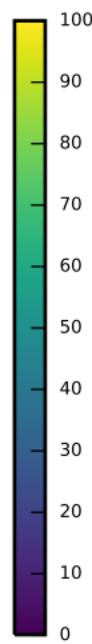
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## SUCLA2

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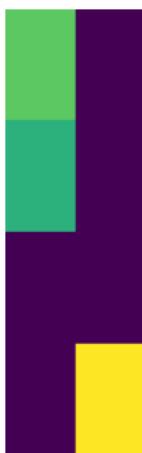
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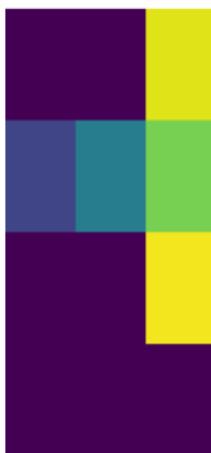
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## MDH2

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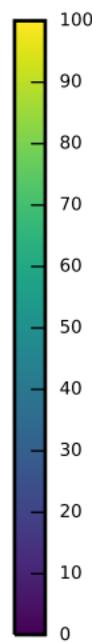
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# TAGLN2

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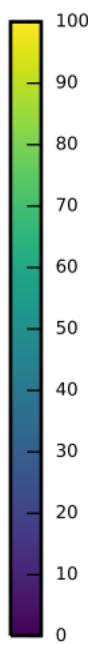
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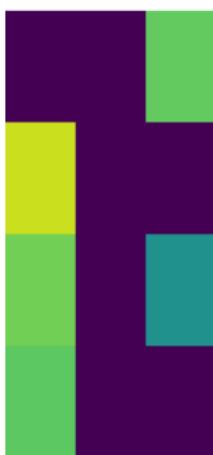
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MGP

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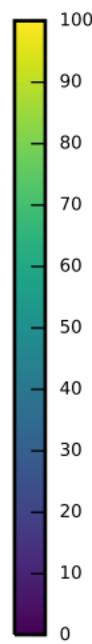
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cervix

TCN1

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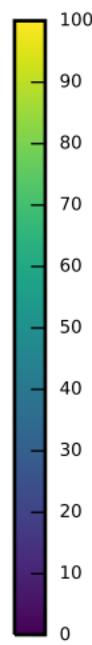
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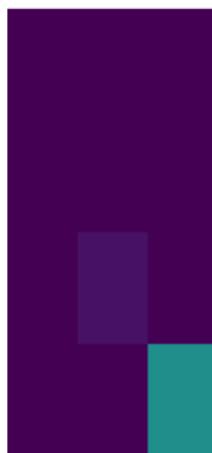
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MLEC

1



edj



cervix

# TCN2

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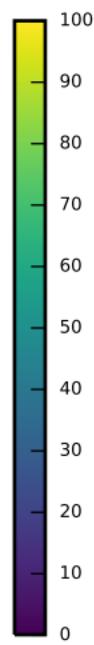
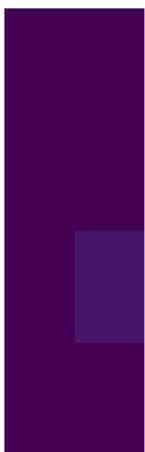
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cervix

MME

1



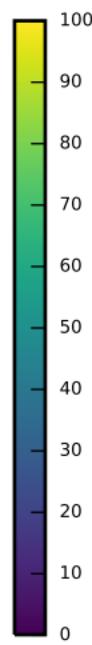
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cervix

# TFRC

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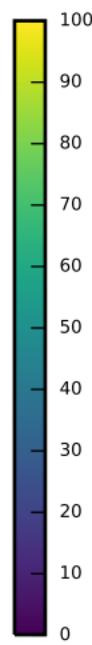
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cervix

# MMP10

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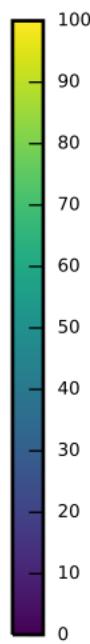
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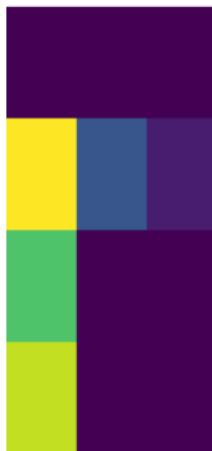
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# TGFB1

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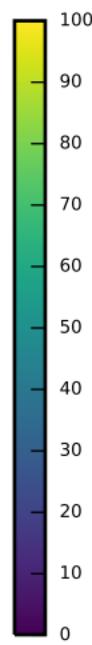
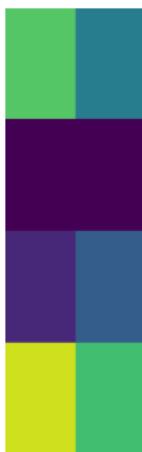
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cervix

## MMP2

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edj



cervix

# TGFB2

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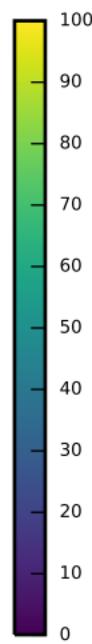
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cervix

# MMP20

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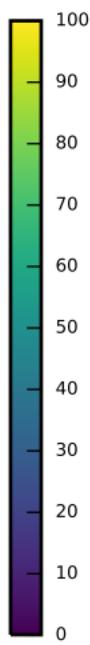
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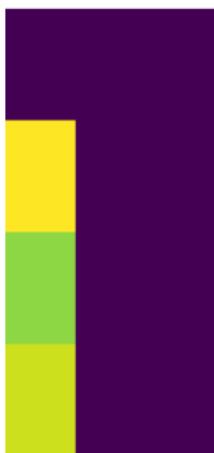
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TGFBI

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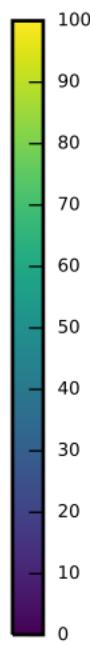
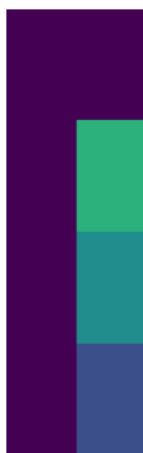
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cervix

# MTCH2

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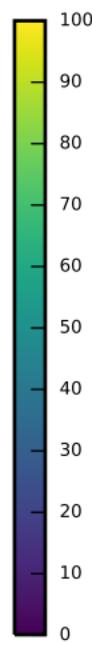
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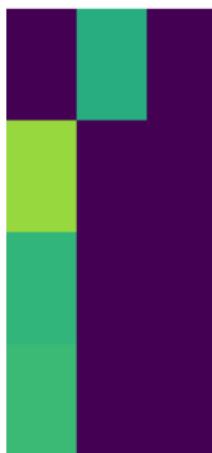
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# TGFBI

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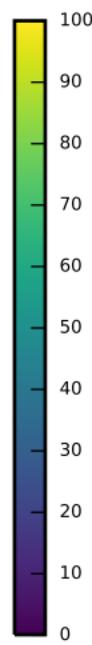
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cervix

# THBS1

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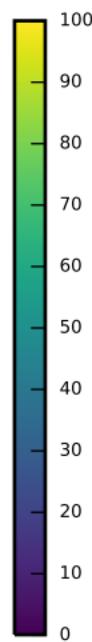
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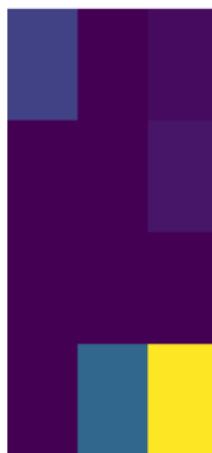
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MTPN

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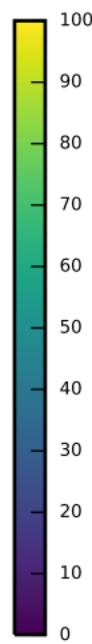
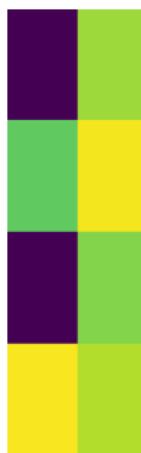
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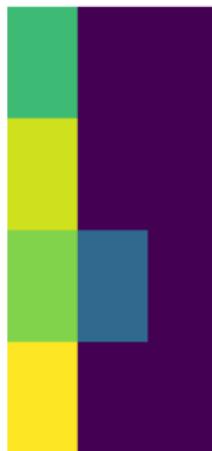
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## TIMP-2

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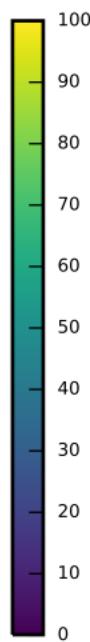
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cervix

# MYBBP1A

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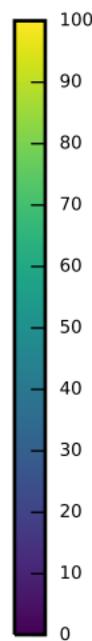
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cervix

tkt

1



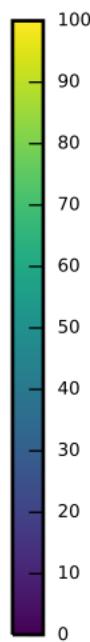
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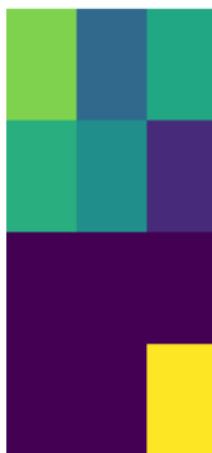
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# MYH10

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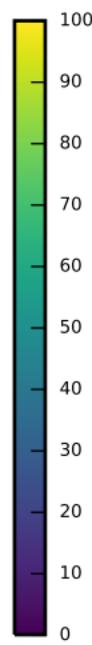
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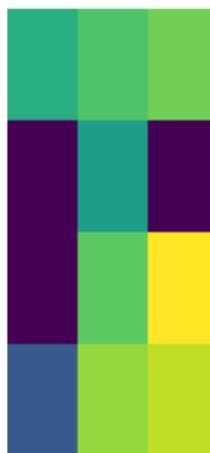
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TLN1

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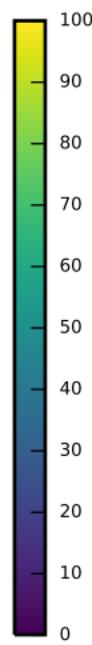
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cervix

# MYH14

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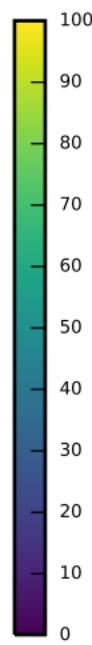
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cervix

# TMED10

1



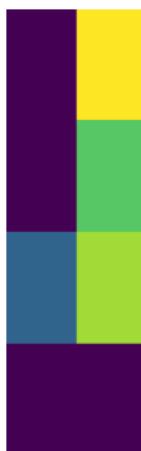
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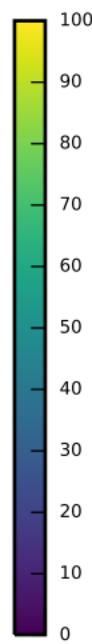
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# MYH14

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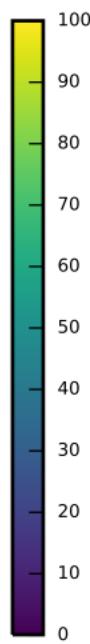
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cervix

# TMED9

1



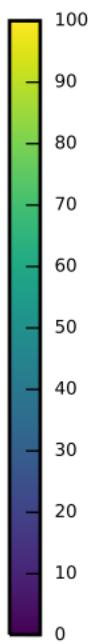
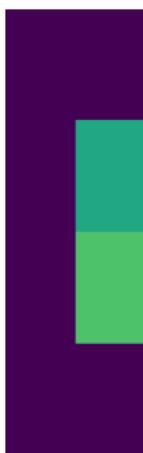
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cervix

# MYH14

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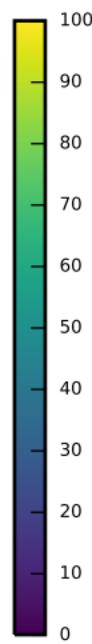
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cervix

# TMEM43

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edj



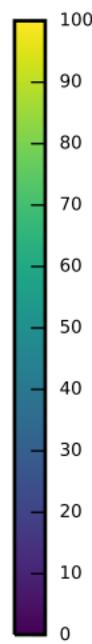
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# MYH9

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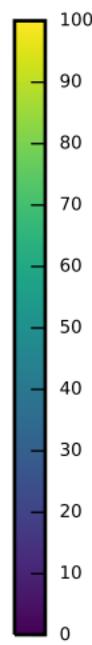
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cervix

TNC

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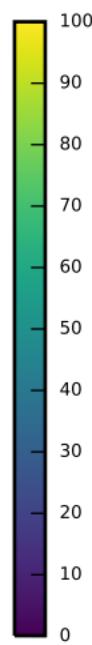
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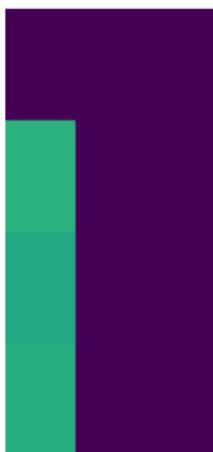
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TNC

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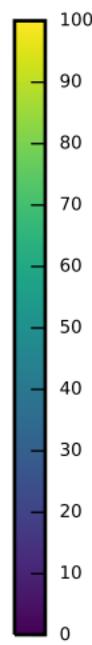
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cervix

# MYL12B

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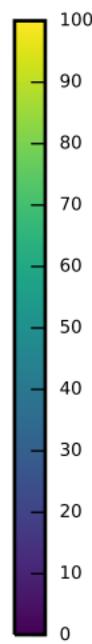
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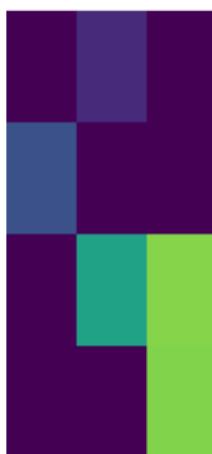
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TNN

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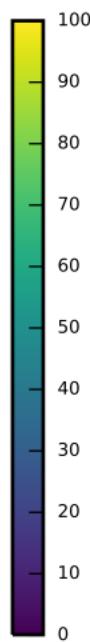
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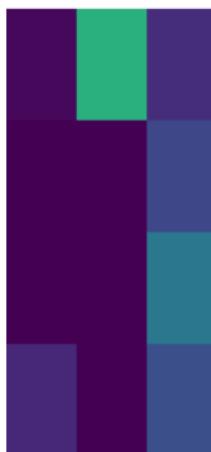
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# MYL6

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edj



cervix

TNN

1



edj



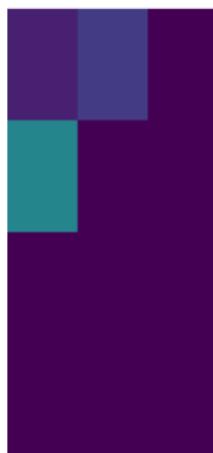
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TP23

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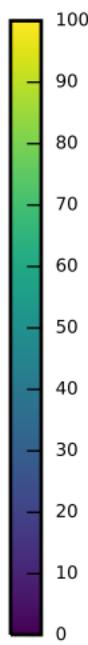
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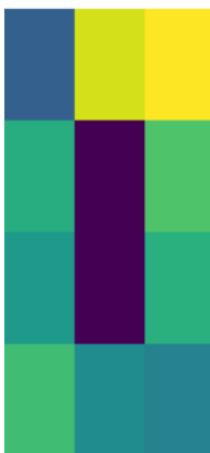
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TPI1

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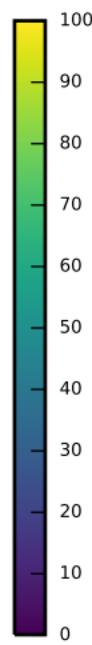
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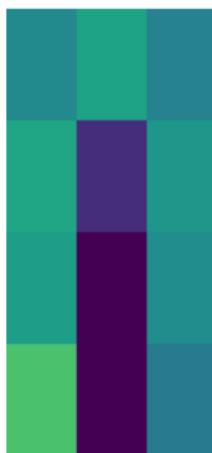
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TPM1

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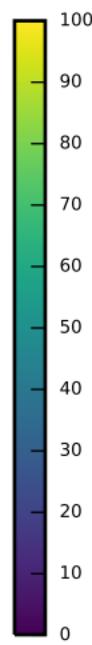
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cervix

TPM4

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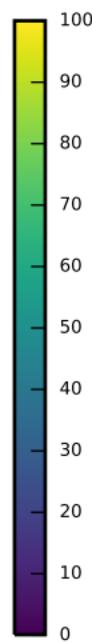
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TPP1

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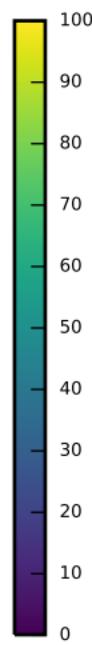
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cervix

TTR

1



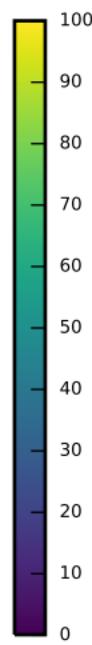
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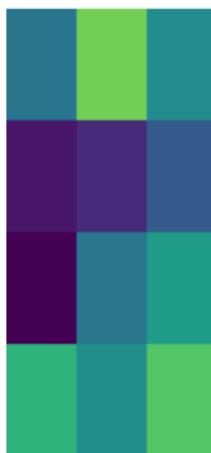
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TUBB

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edj



cervix

# TUFM

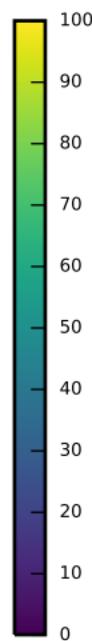
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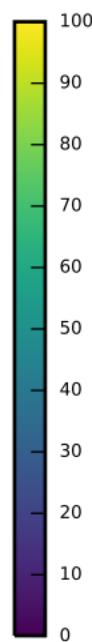


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TXN

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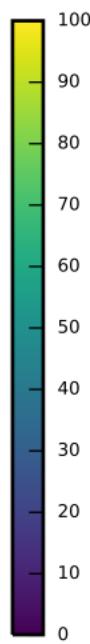
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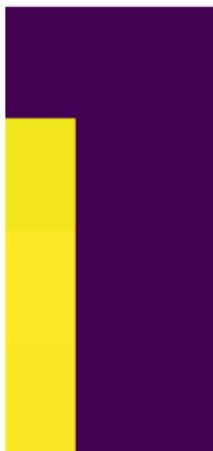
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UBA1

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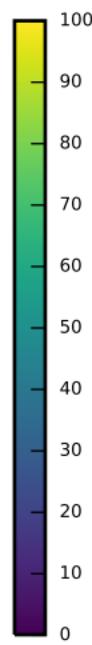
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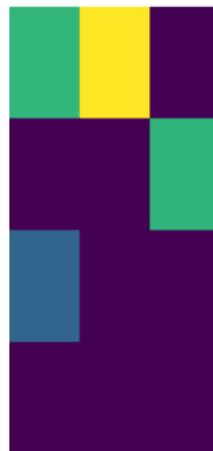
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# UQCRC1

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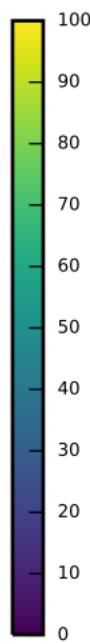
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# UQCRC2

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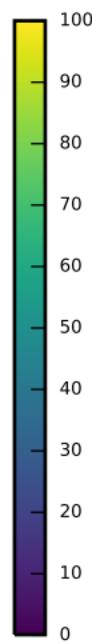
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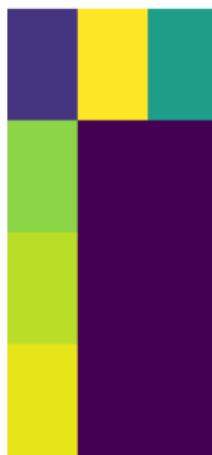
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# UQCRFS1

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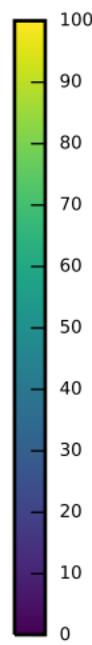
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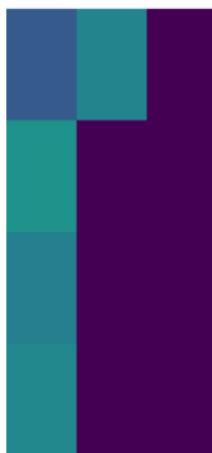
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VCAN

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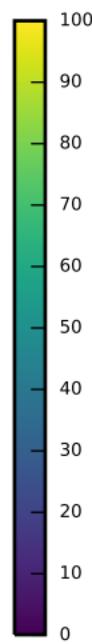
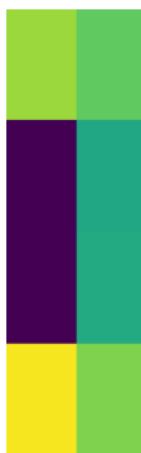
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cervix

VCL

1



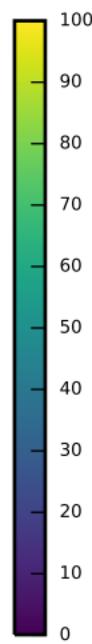
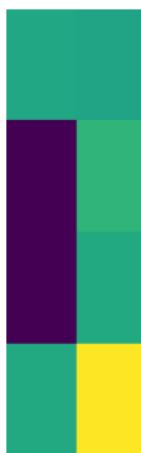
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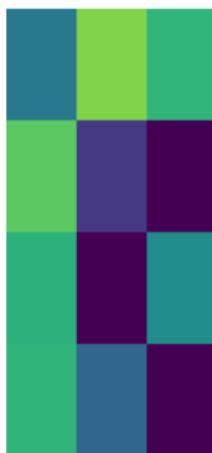
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VCP

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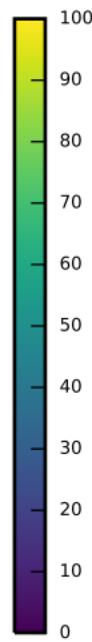
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# VDAC1

1



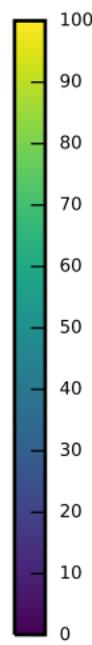
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cervix

## VDAC2

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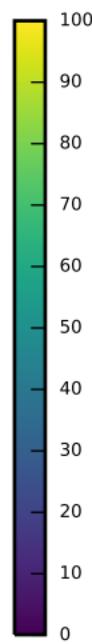
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cervix

VEGP

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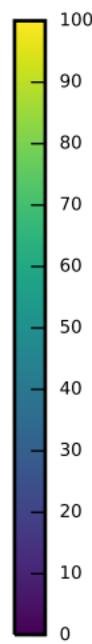
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cervix

VIM

1



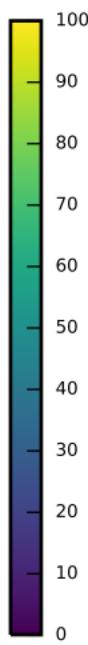
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cervix

VIT

1



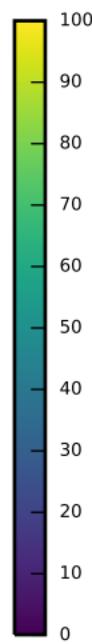
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cervix

# WDR1

1



edj



cervix

# YWHAB

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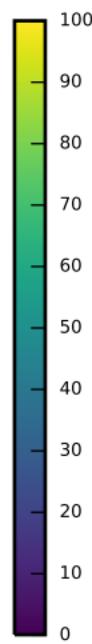
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cervix

# YWHAG

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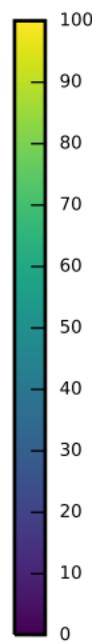
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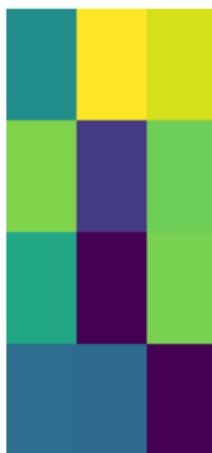
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# YWHAZ

1



edj



cervix