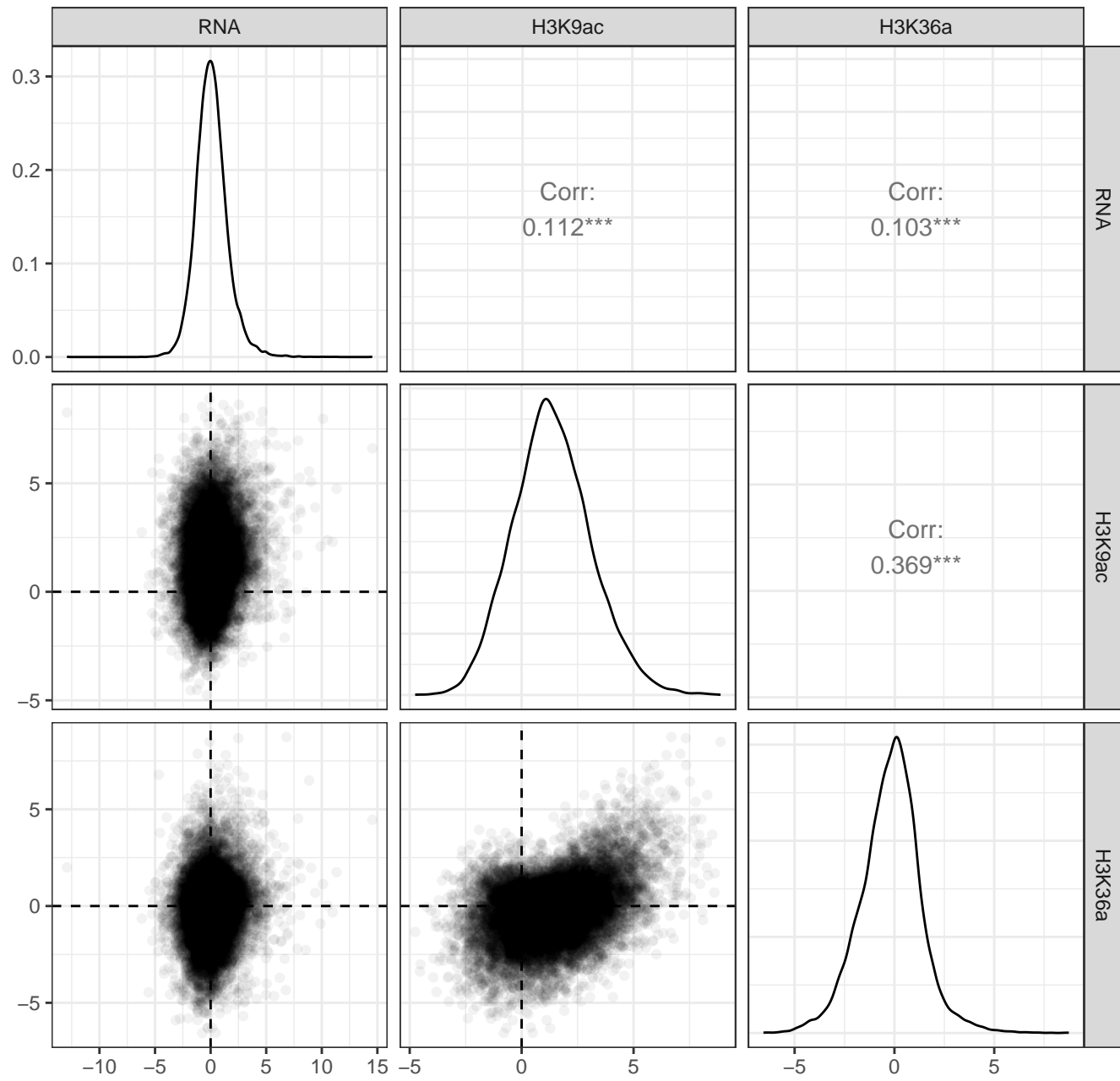
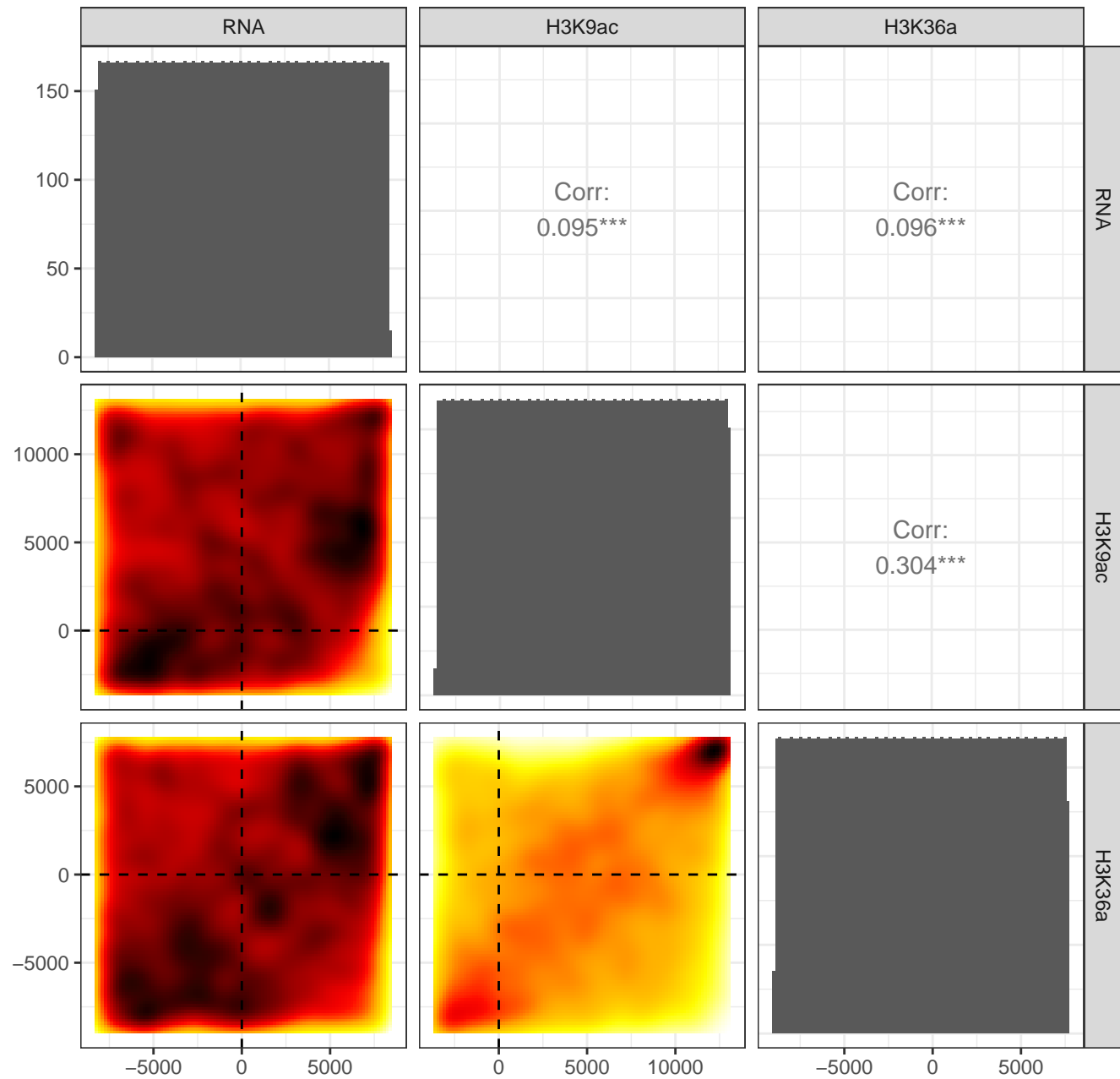


# Scatterplot of all genes

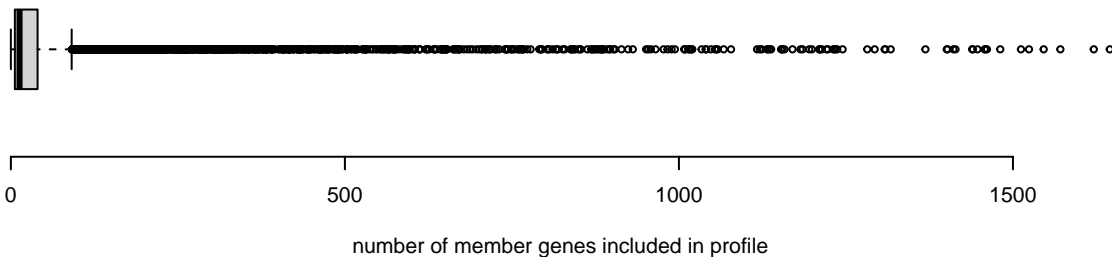


# Contour plot of all genes after ranking

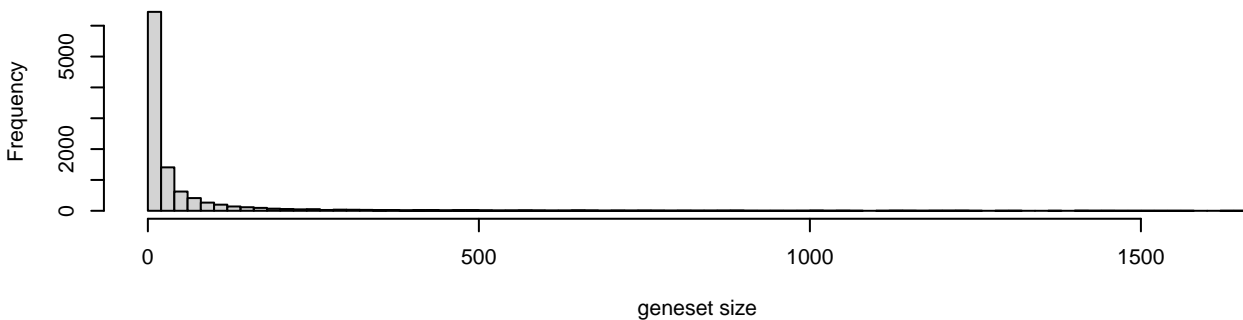


	<b>RNA</b>	<b>H3K9ac</b>	<b>H3K36a</b>	<b>Number of genes in each sector</b>
<b>1</b>	-1	-1	-1	1301
<b>2</b>	1	-1	-1	1057
<b>3</b>	-1	1	-1	3386
<b>4</b>	1	1	-1	3188
<b>5</b>	-1	1	0	1
<b>6</b>	-1	-1	1	759
<b>7</b>	1	-1	1	473
<b>8</b>	-1	0	1	1
<b>9</b>	-1	1	1	2769
<b>10</b>	0	1	1	1
<b>11</b>	1	1	1	3695

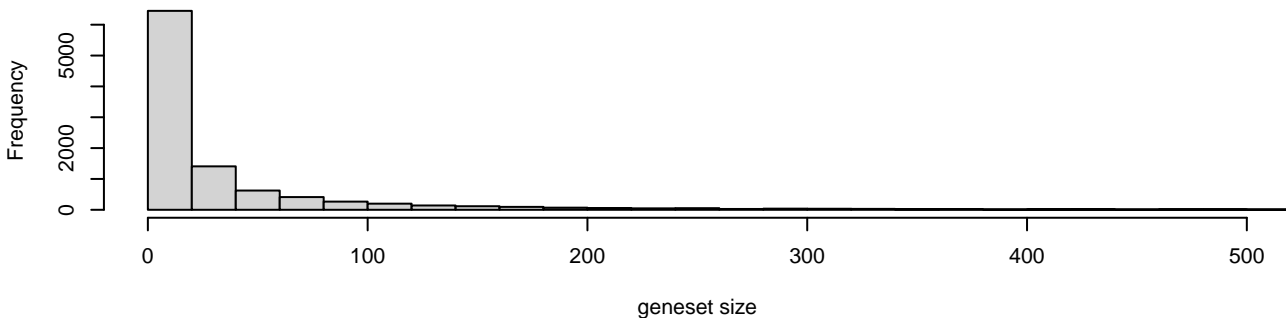
### Gene set size



### Histogram of geneset size



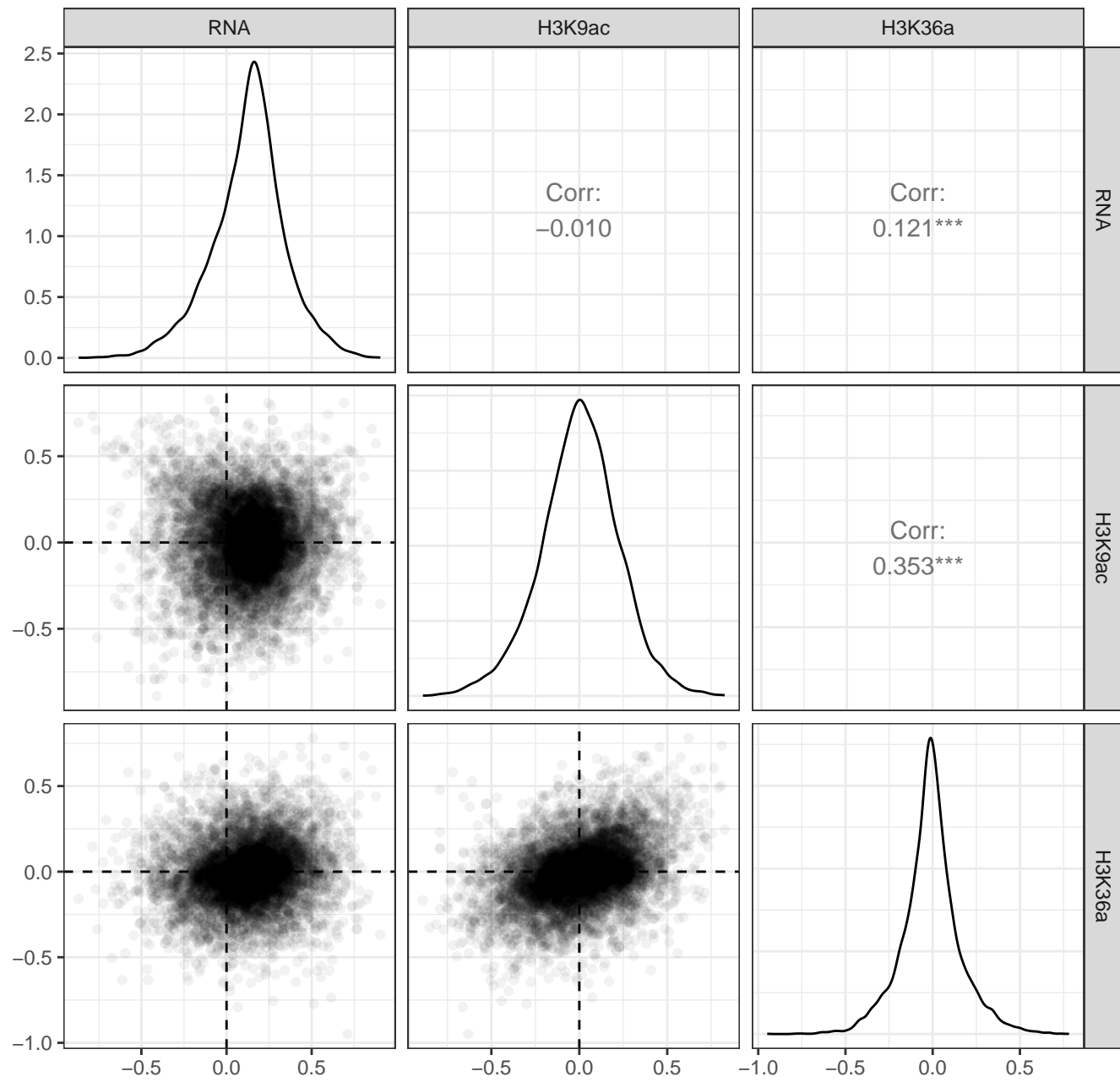
### Trimmed histogram of geneset size



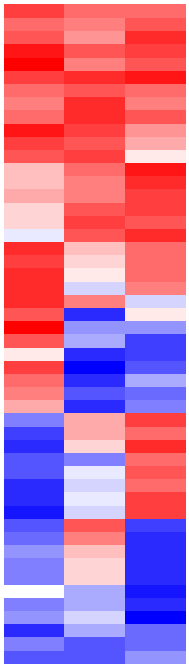
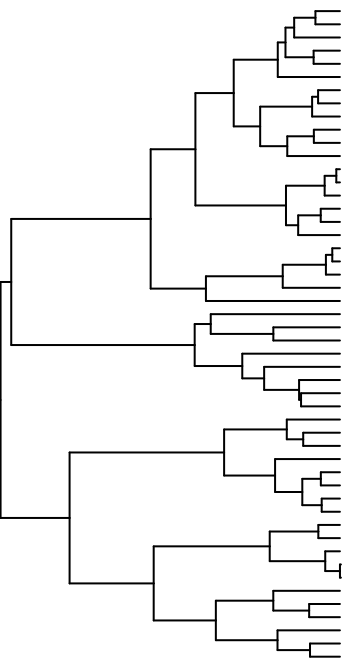
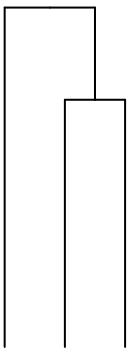
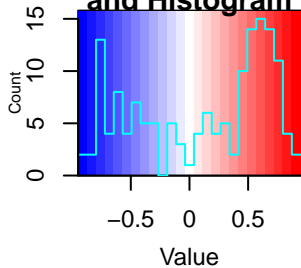


	<b>s.RNA</b>	<b>s.H3K9ac</b>	<b>s.H3K36a</b>	<b>Number of gene sets in each sector</b>
<b>1</b>	-1	-1	-1	79
<b>2</b>	1	-1	-1	828
<b>3</b>	-1	1	-1	174
<b>4</b>	1	1	-1	460
<b>5</b>	-1	-1	1	49
<b>6</b>	1	-1	1	399
<b>7</b>	-1	1	1	78
<b>8</b>	1	1	1	722

Scatterplot of all genesets; FDR<0.05 in red



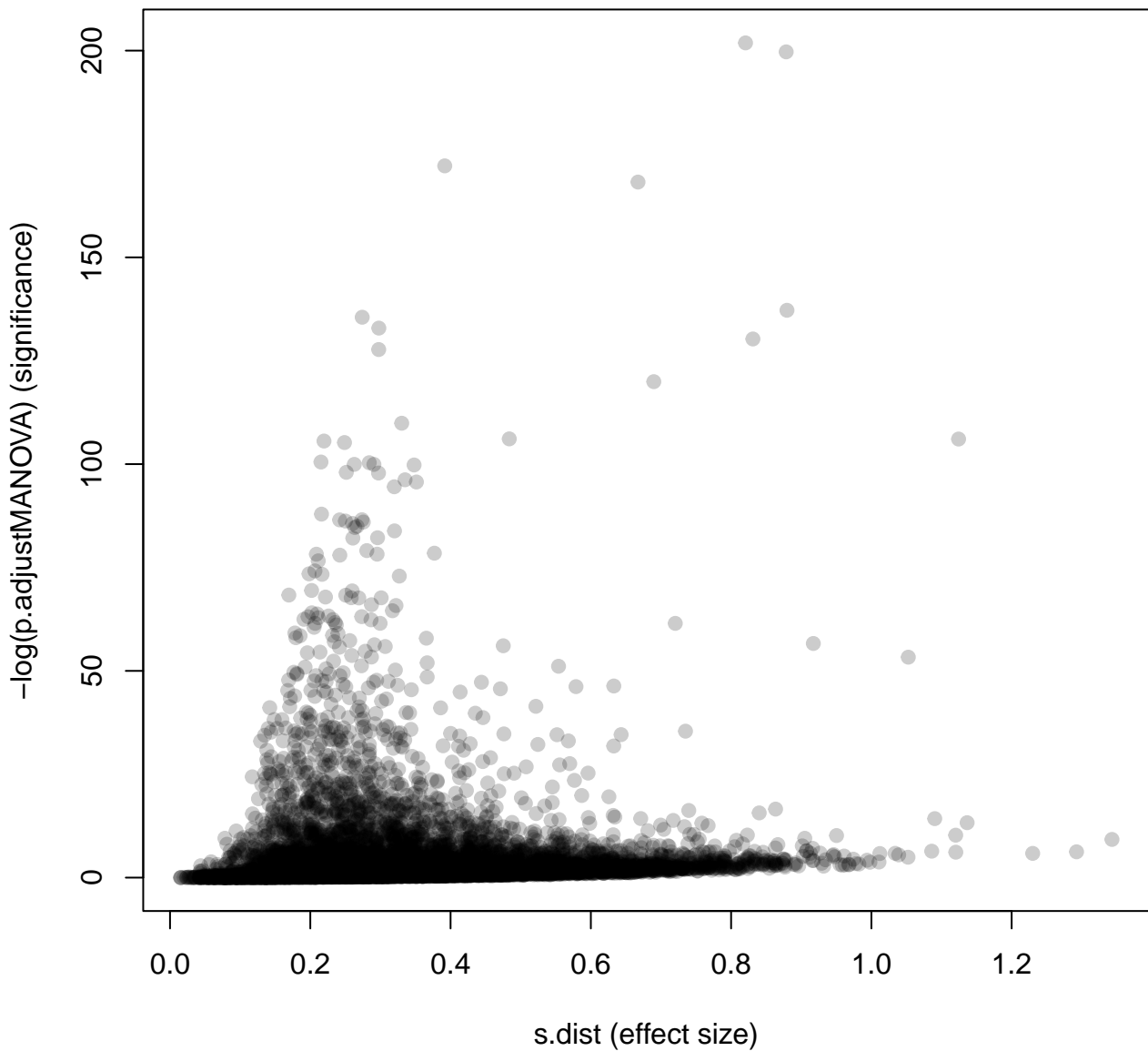
# Color Key and Histogram



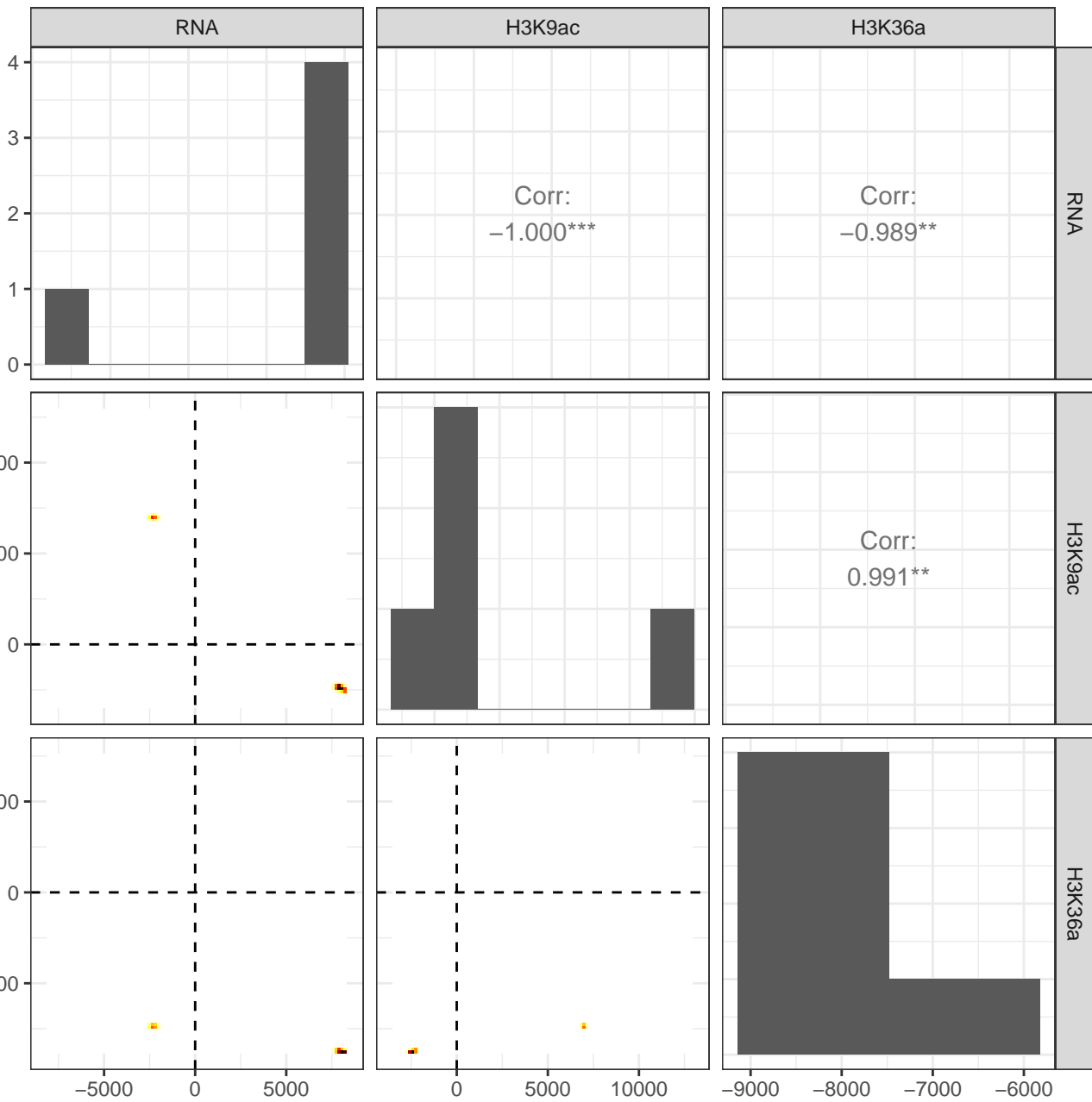
- GOCC CRD MEDIATED MRNA STABILITY COMPLEX
- GOMF C3HC4 TYPE RING FINGER DOMAIN BINDING
- GOCC TRANSCRIPTION FACTOR AP 1 COMPLEX
- GOBP POSITIVE REGULATION OF CALCIUM ION IMPORT ACROSS PLASMA
- GOBP TELOMERASE HOLOENZYME COMPLEX ASSEMBLY
- GOBP CARDIAC MUSCLE TISSUE REGENERATION
- GOMF FATZ BINDING
- GOBP SKELETAL MUSCLE THIN FILAMENT ASSEMBLY
- GOMF TELETHONIN BINDING
- GOBP POSITIVE REGULATION OF NUCLEAR TRANSCRIBED MRNA CATABO
- GOBP LUNG VASCULATURE DEVELOPMENT
- GOBP TELENCEPHALON REGIONALIZATION
- GOMF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR ACTIVITY
- GOBP ENERGY COUPLED PROTON TRANSMEMBRANE TRANSPORT AGAIN
- GOBP POSITIVE REGULATION OF CALCIUM ION DEPENDENT EXOCYTOSIS
- GOBP REGULATION OF CALCIUM ION EXPORT ACROSS PLASMA MEMBRA
- GOCC CYTOPLASMIC SIDE OF ROUGH ENDOPLASMIC RETICULUM MEMB
- GOCC LARGE RIBOSOMAL SUBUNIT
- GOMF LARGE RIBOSOMAL SUBUNIT RRNA BINDING
- GOMF ODORANT BINDING
- GOMF GABA A RECEPTOR ACTIVITY
- GOCC GABA RECEPTOR COMPLEX
- GOMF SUPEROXIDE GENERATING NAD P H OXIDASE ACTIVITY
- GOMF CALCIUM DEPENDENT PHOSPHOLIPASE A2 ACTIVITY
- GOCC ATP BINDING CASSETTE ABC TRANSPORTER COMPLEX

RNA  
H3K36a  
H3K9ac

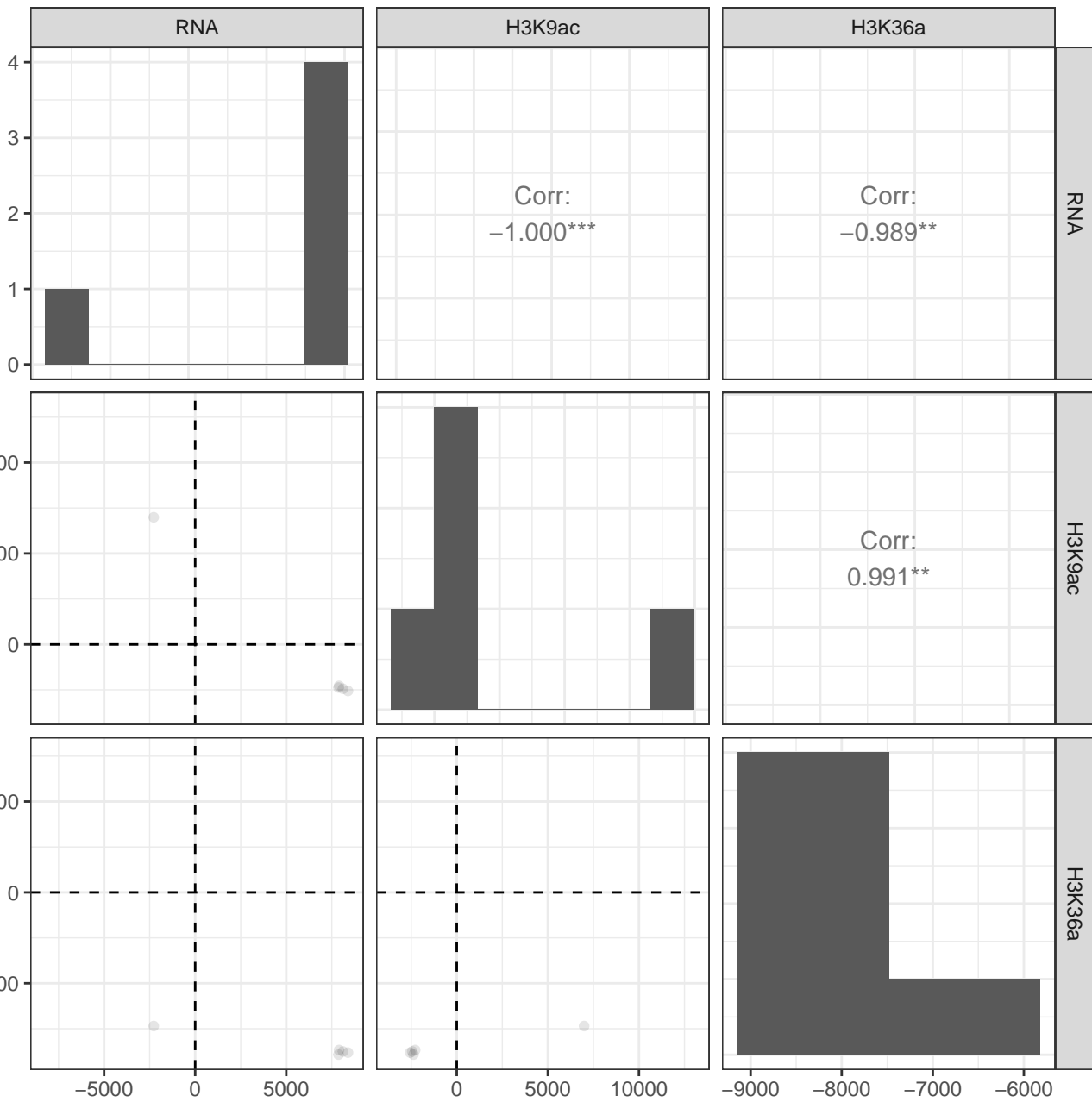
# effect size versus statistical significance



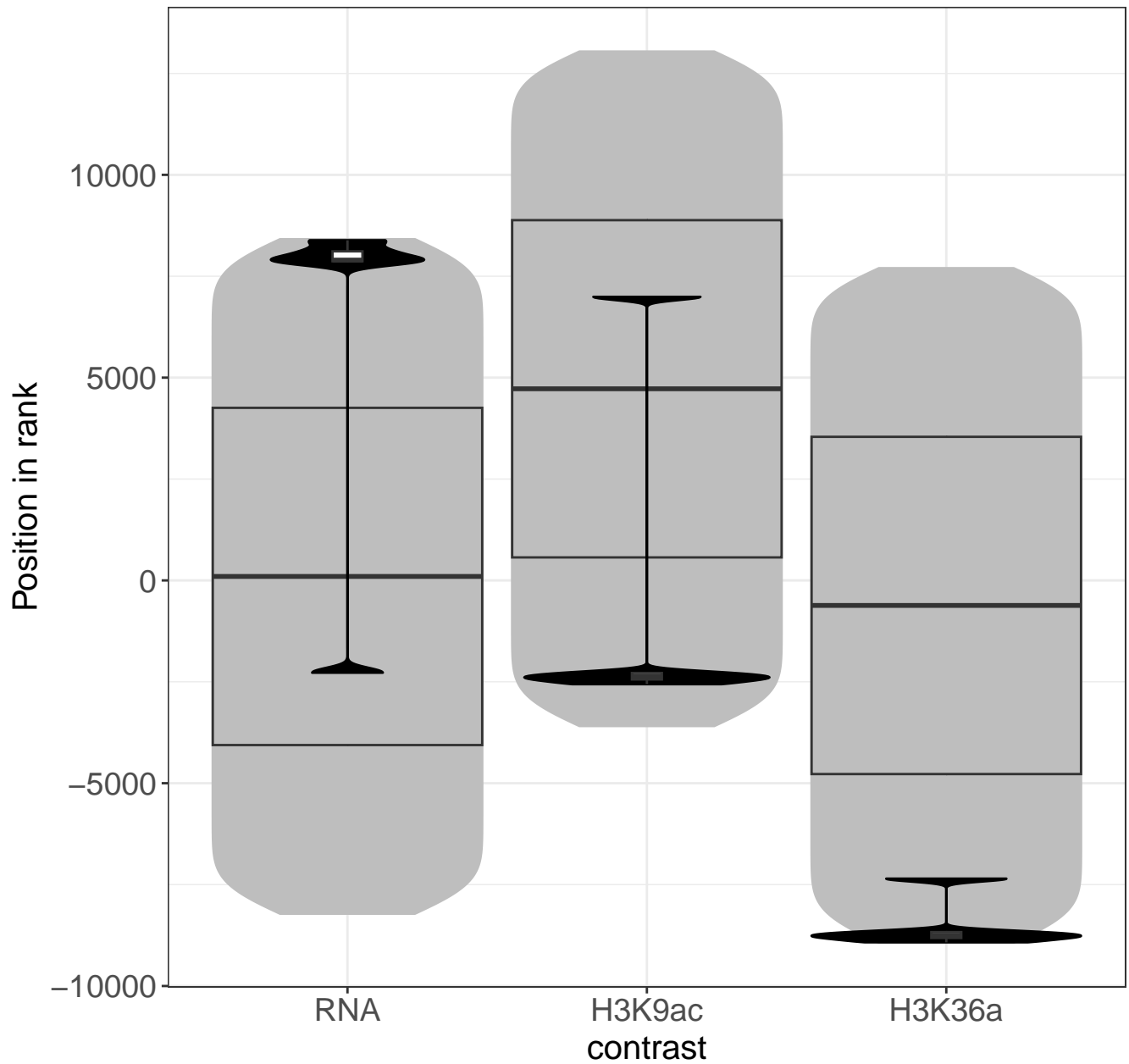
# GOBP ENERGY COUPLED PROTON TRANSMEMBRANE TRANSPORT AGAIN



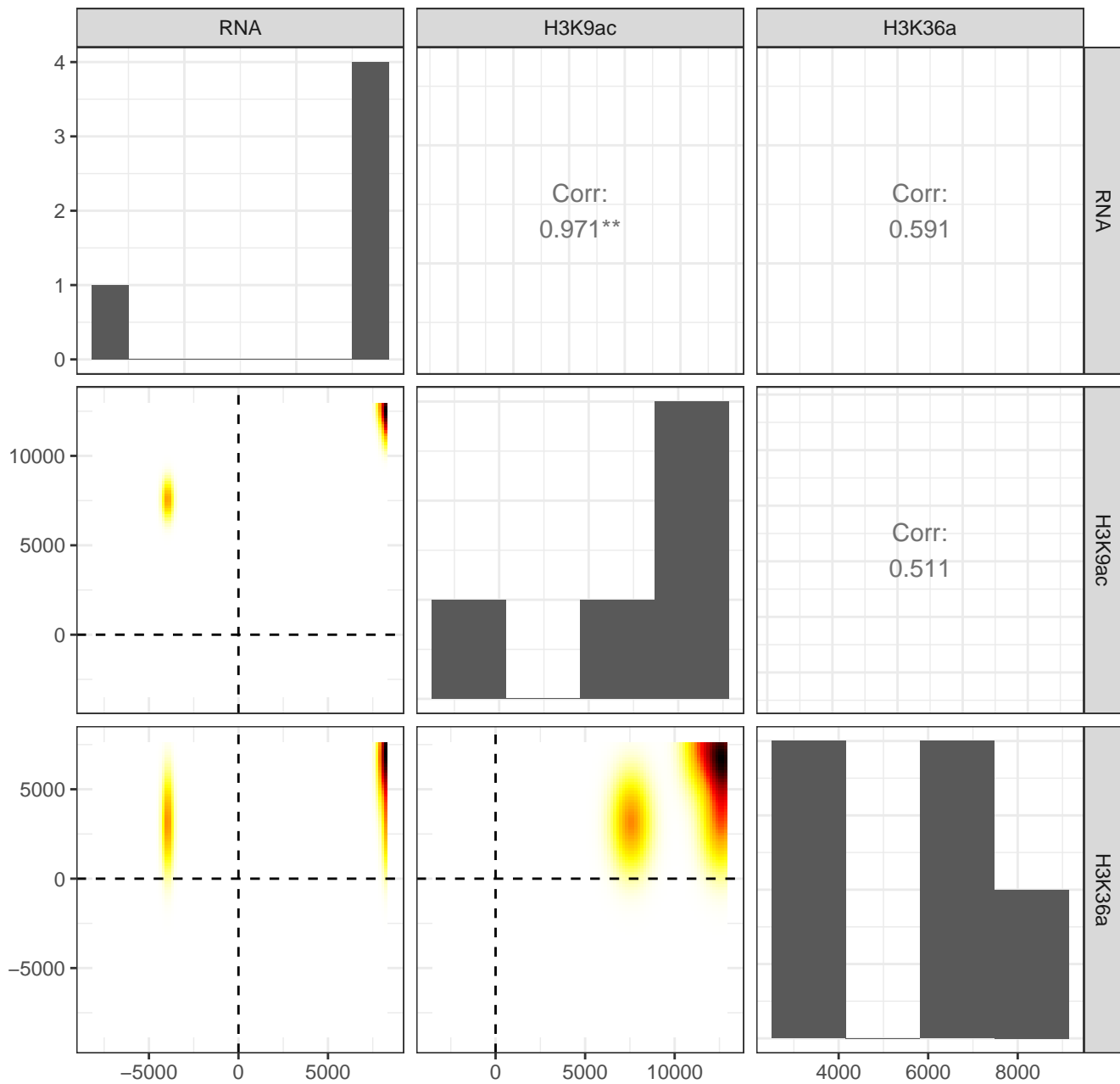
# GOBP ENERGY COUPLED PROTON TRANSMEMBRANE TRANSPORT AGAIN



# GOBP ENERGY COUPLED PROTON TRANSM

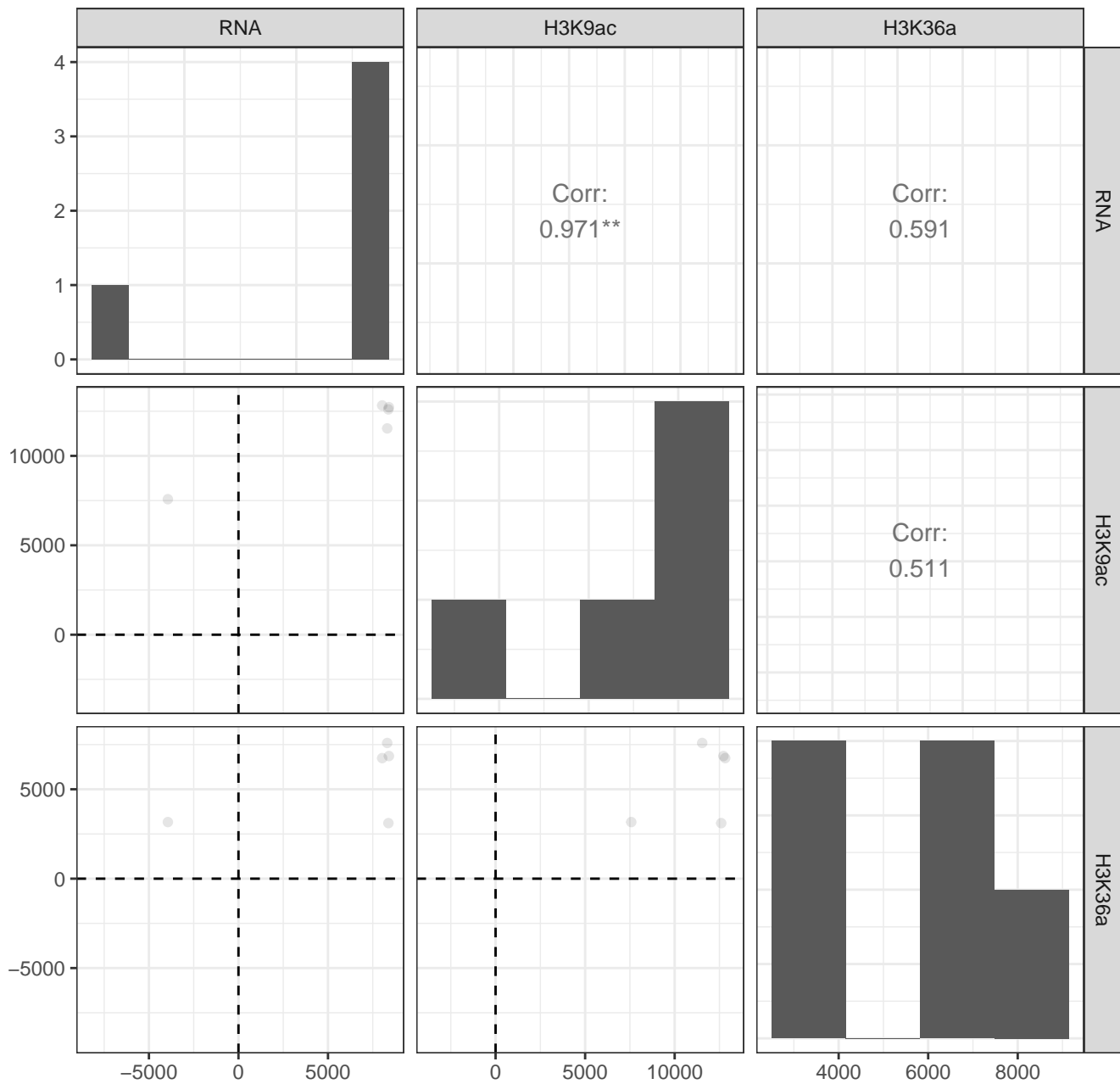


# GOCC TRANSCRIPTION FACTOR AP 1 COMPLEX

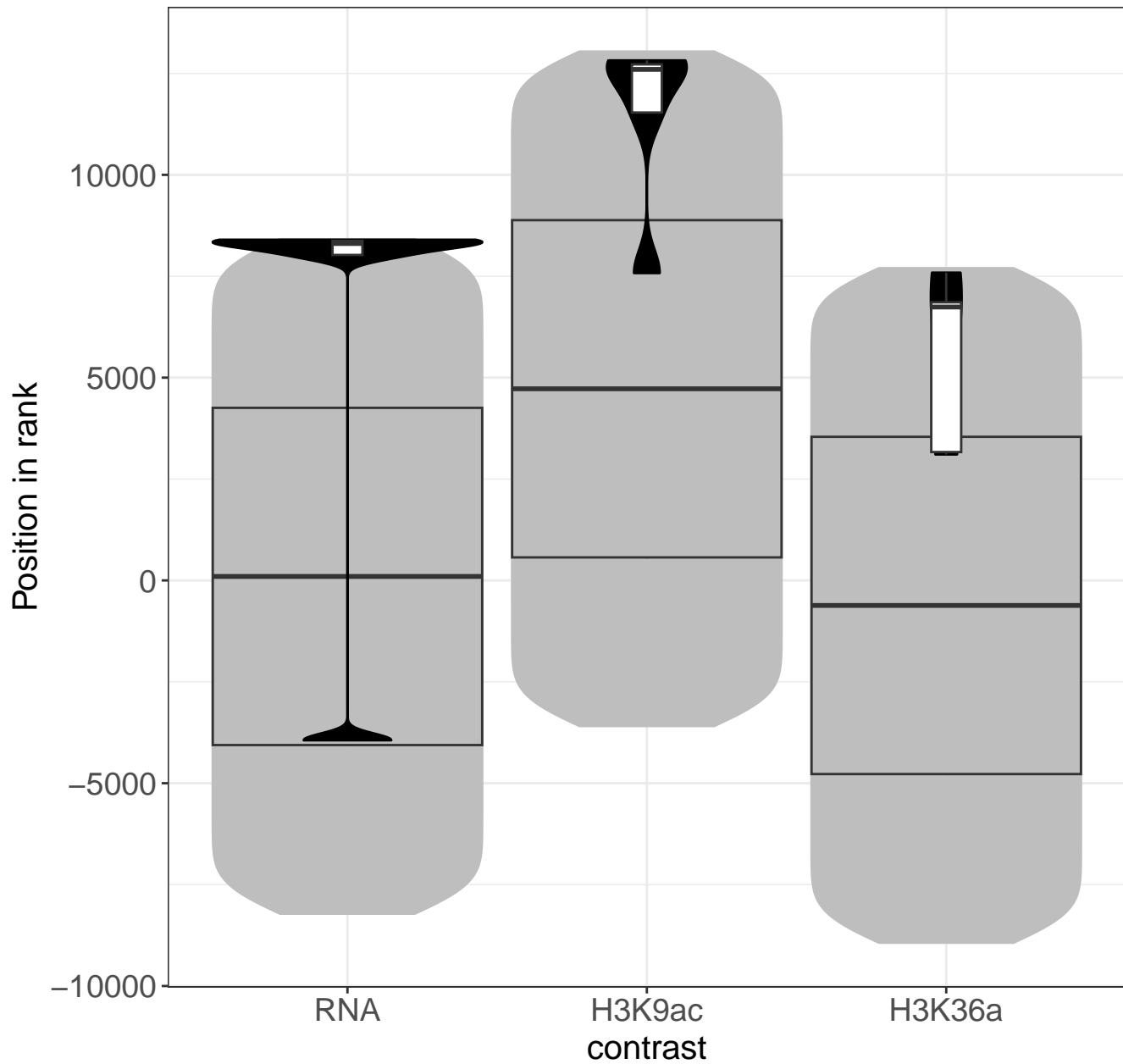




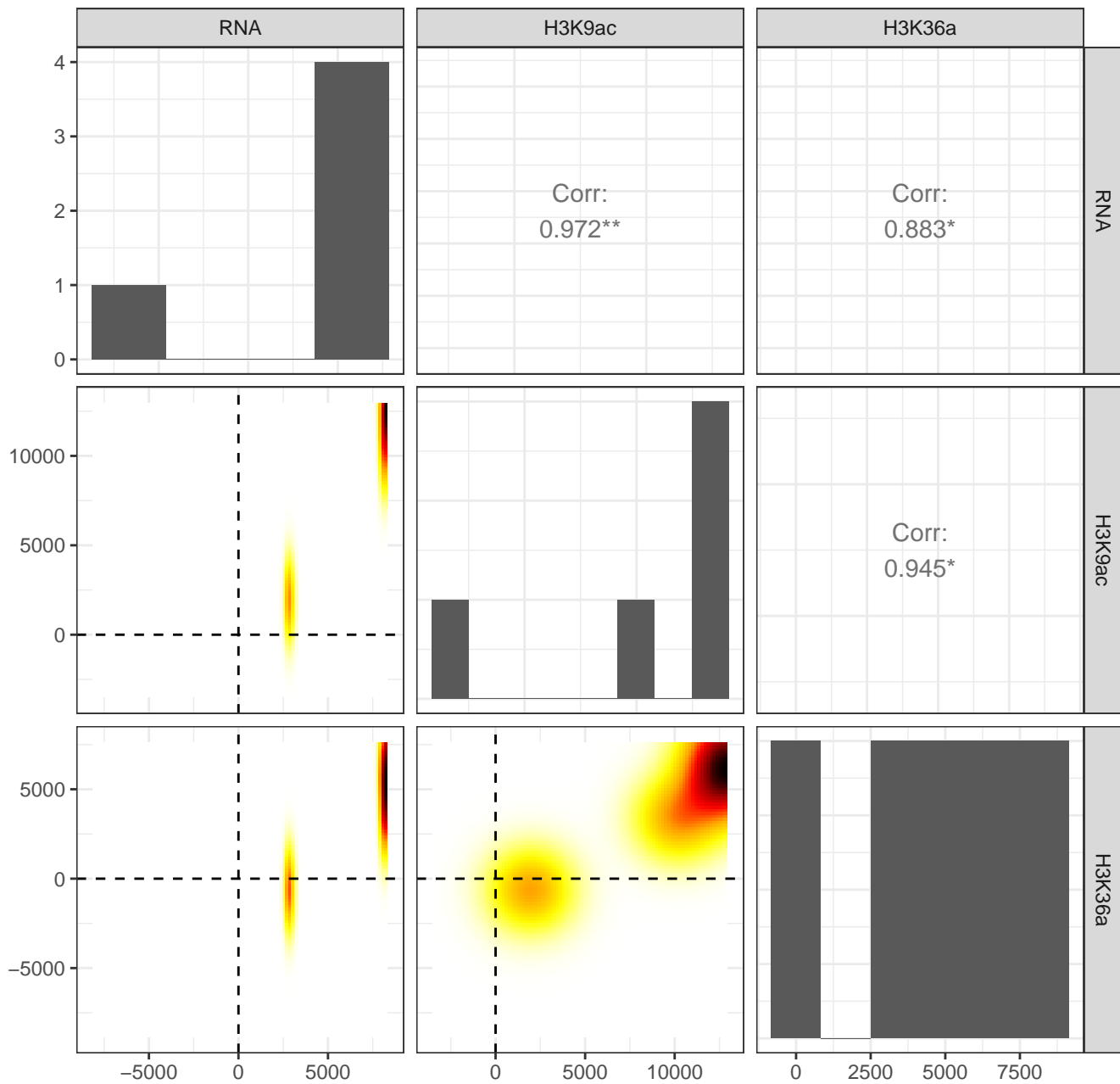
# GOCC TRANSCRIPTION FACTOR AP 1 COMPLEX



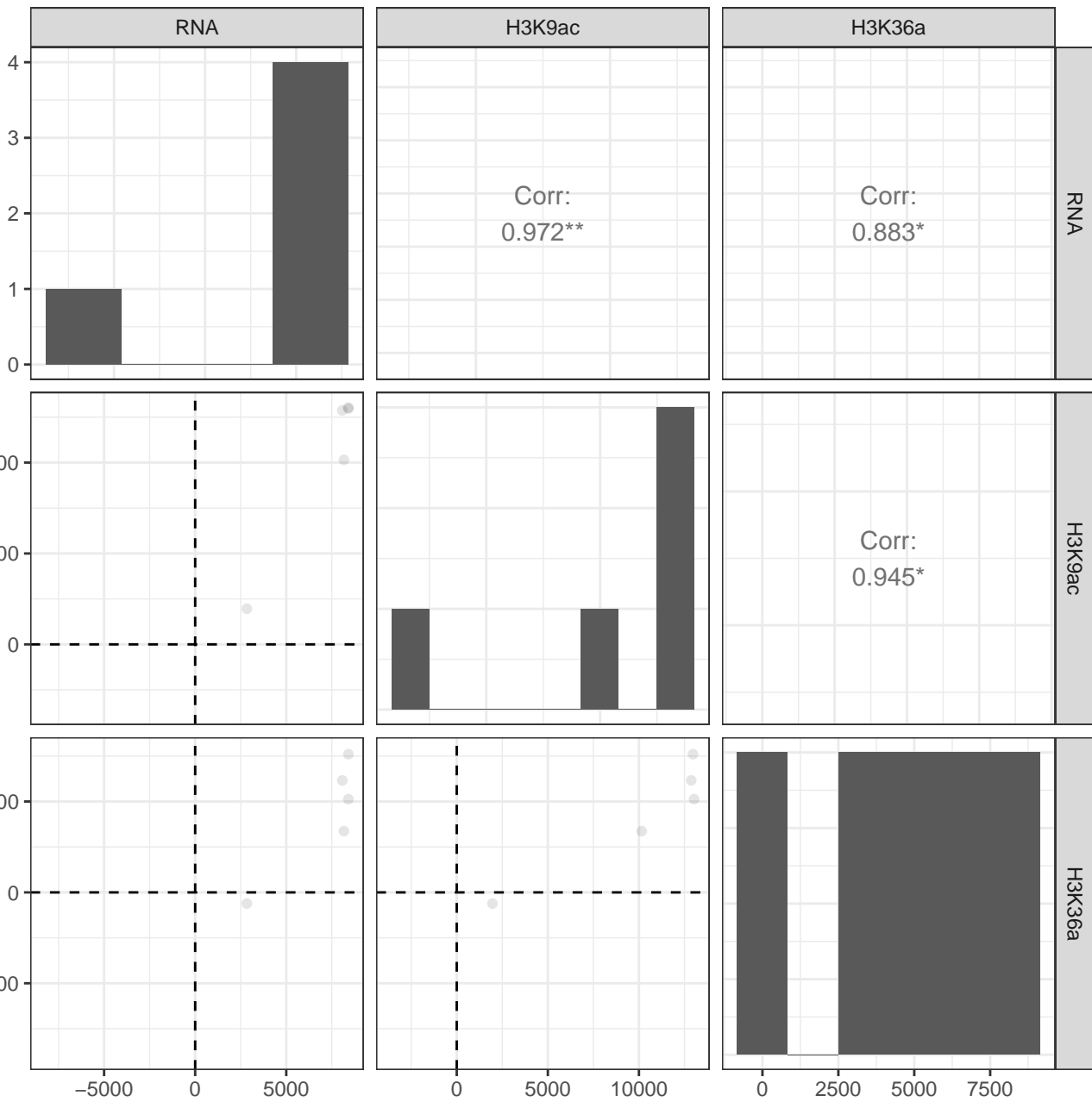
# GOCC TRANSCRIPTION FACTOR AP 1 COMP



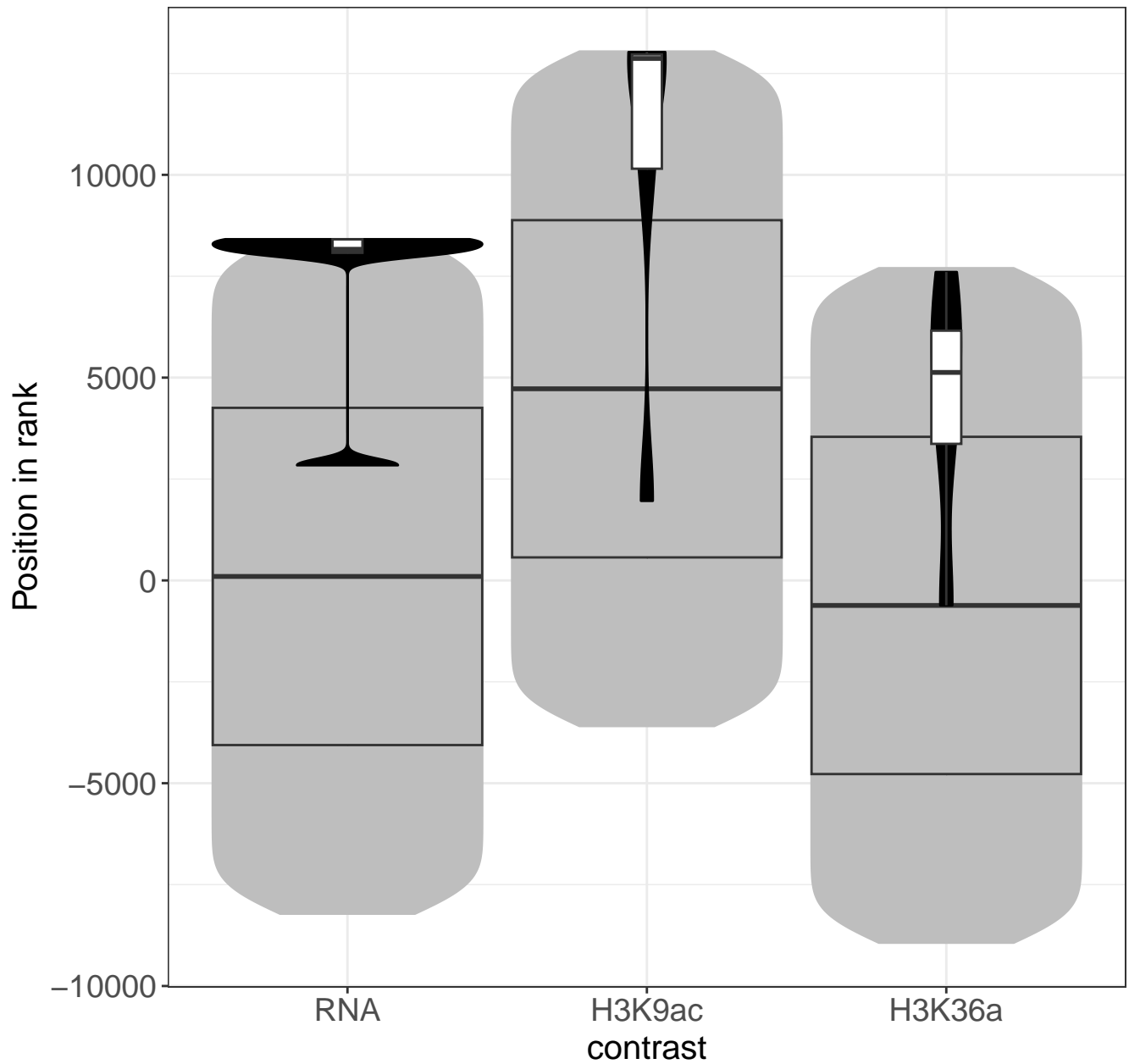
# GOMF C3HC4 TYPE RING FINGER DOMAIN BINDING



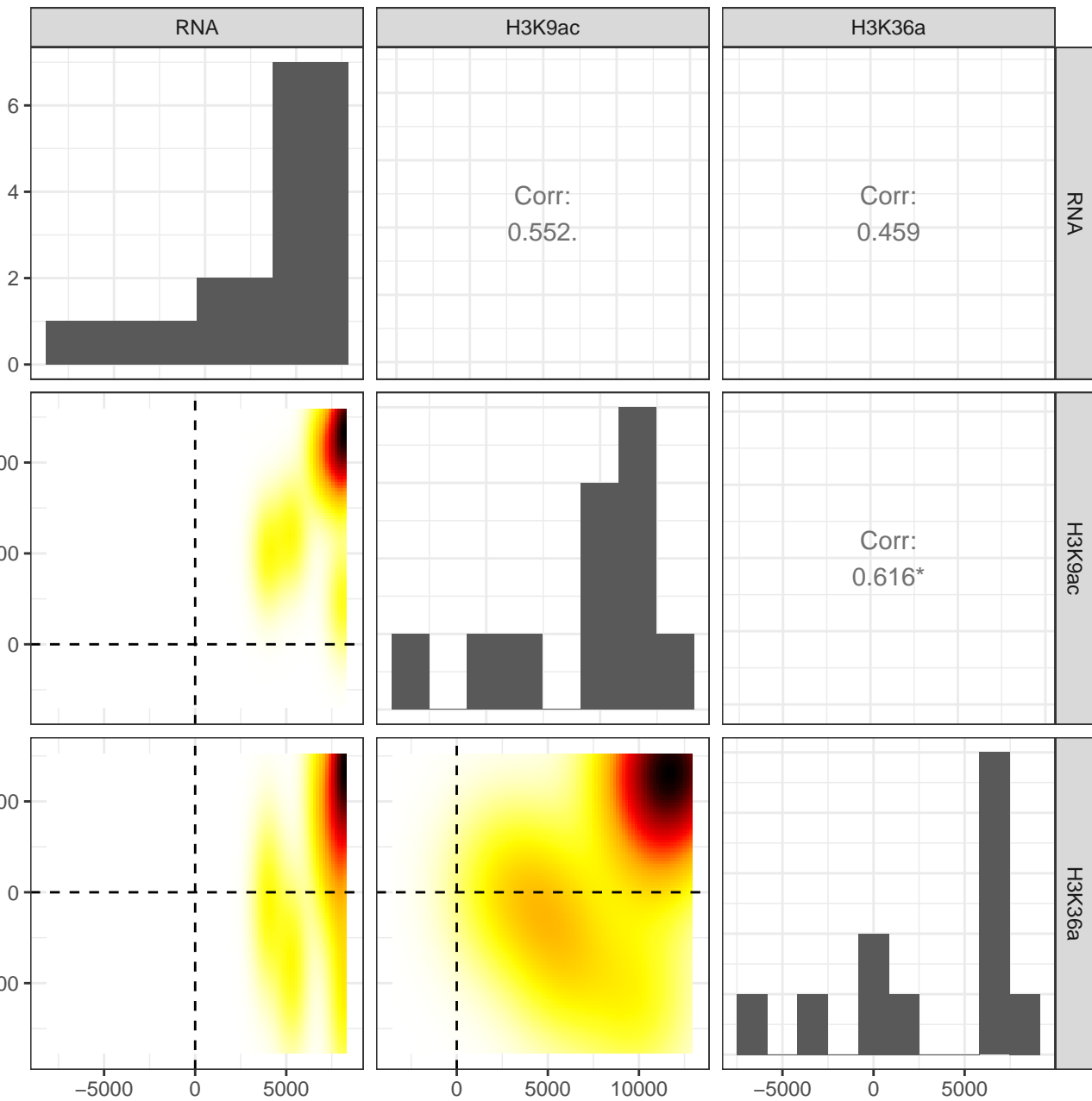
# GOMF C3HC4 TYPE RING FINGER DOMAIN BINDING



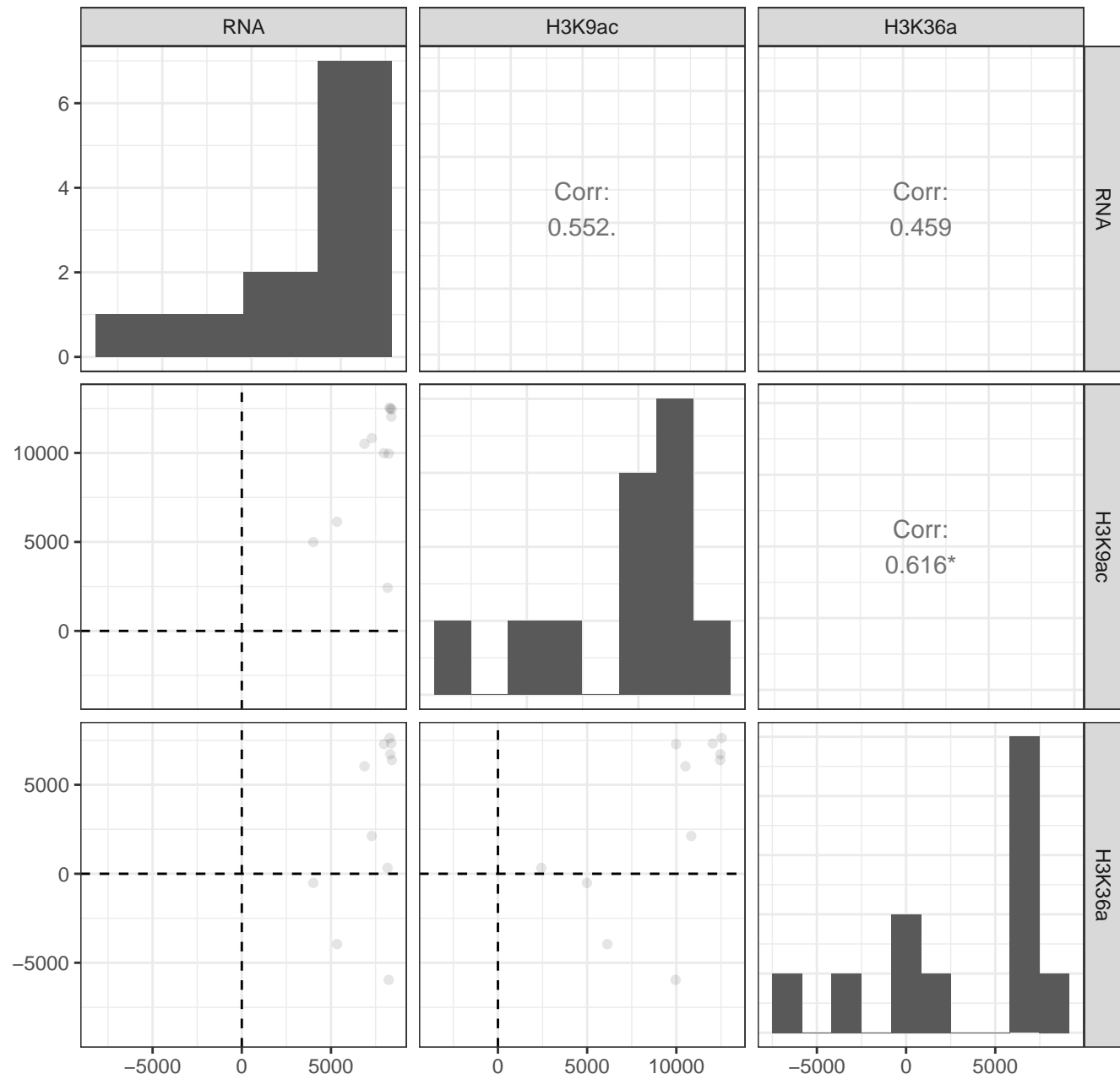
# GOMF C3HC4 TYPE RING FINGER DOMAIN B



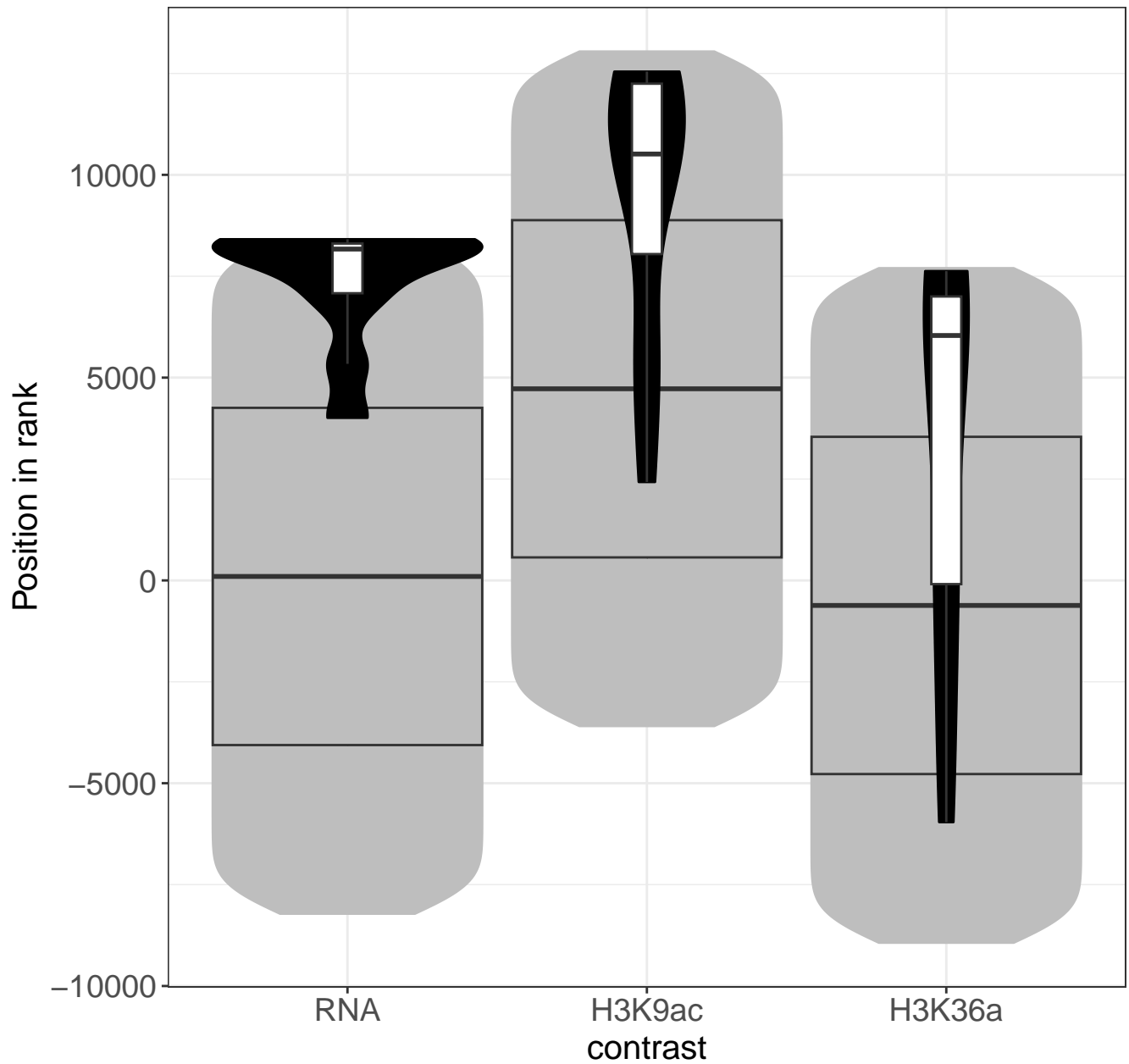
# GOMF NUCLEAR GLUCOCORTICOID RECEPTOR BINDING



# GOMF NUCLEAR GLUCOCORTICOID RECEPTOR BINDING

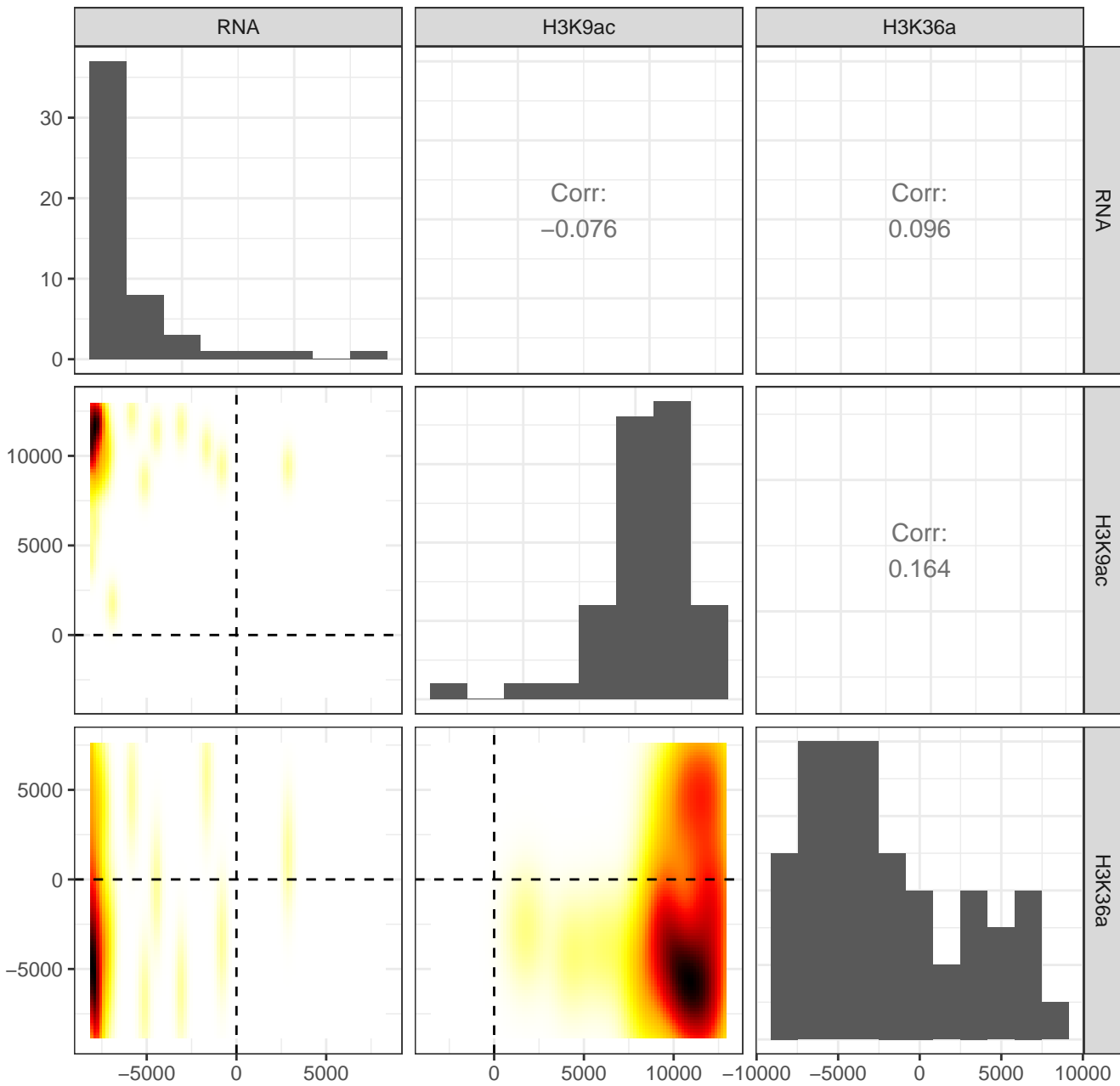


# GOMF NUCLEAR GLUCOCORTICOID RECEPT

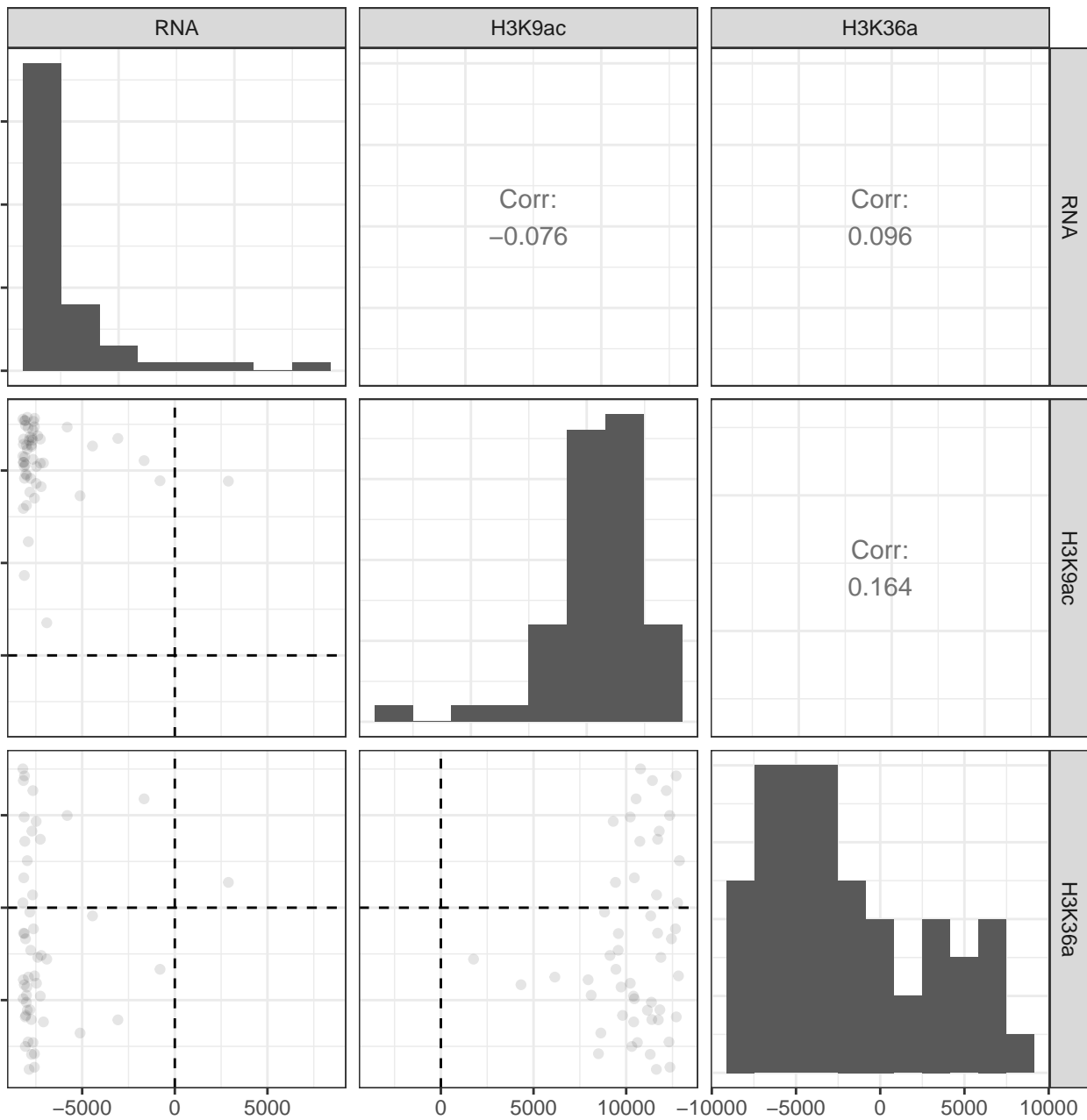




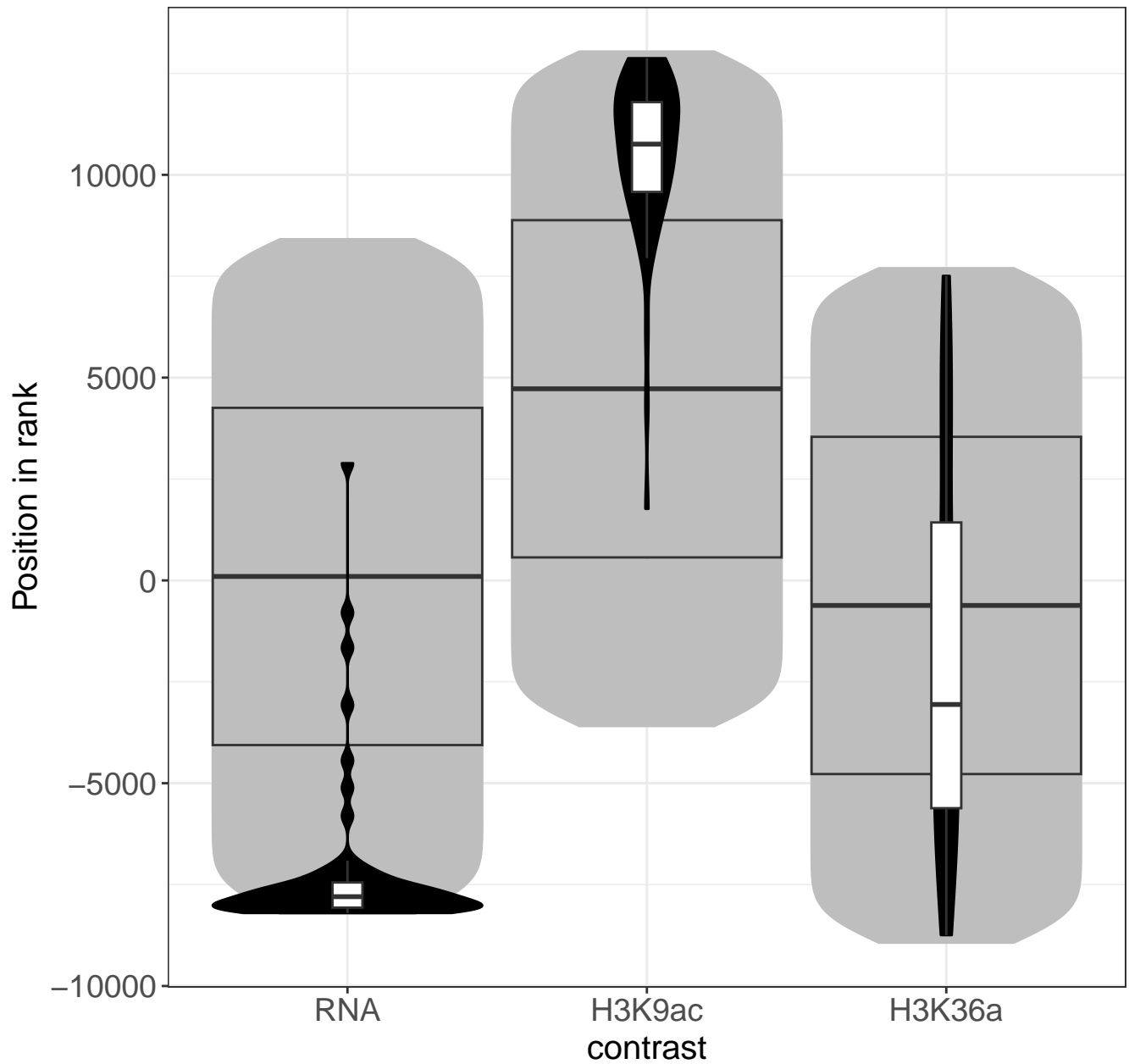
# GOCC CYTOSOLIC LARGE RIBOSOMAL SUBUNIT



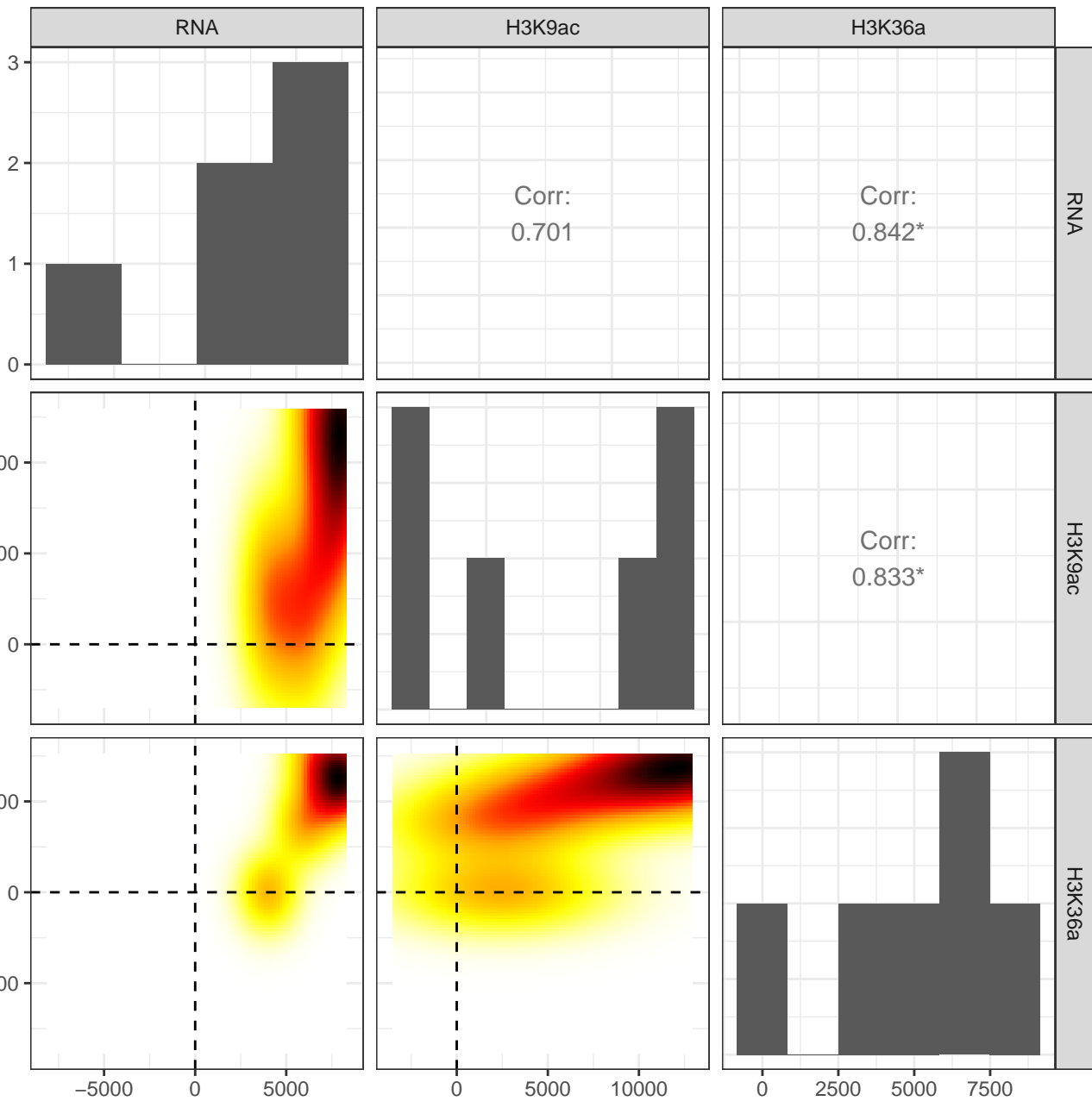
# GOCC CYTOSOLIC LARGE RIBOSOMAL SUBUNIT



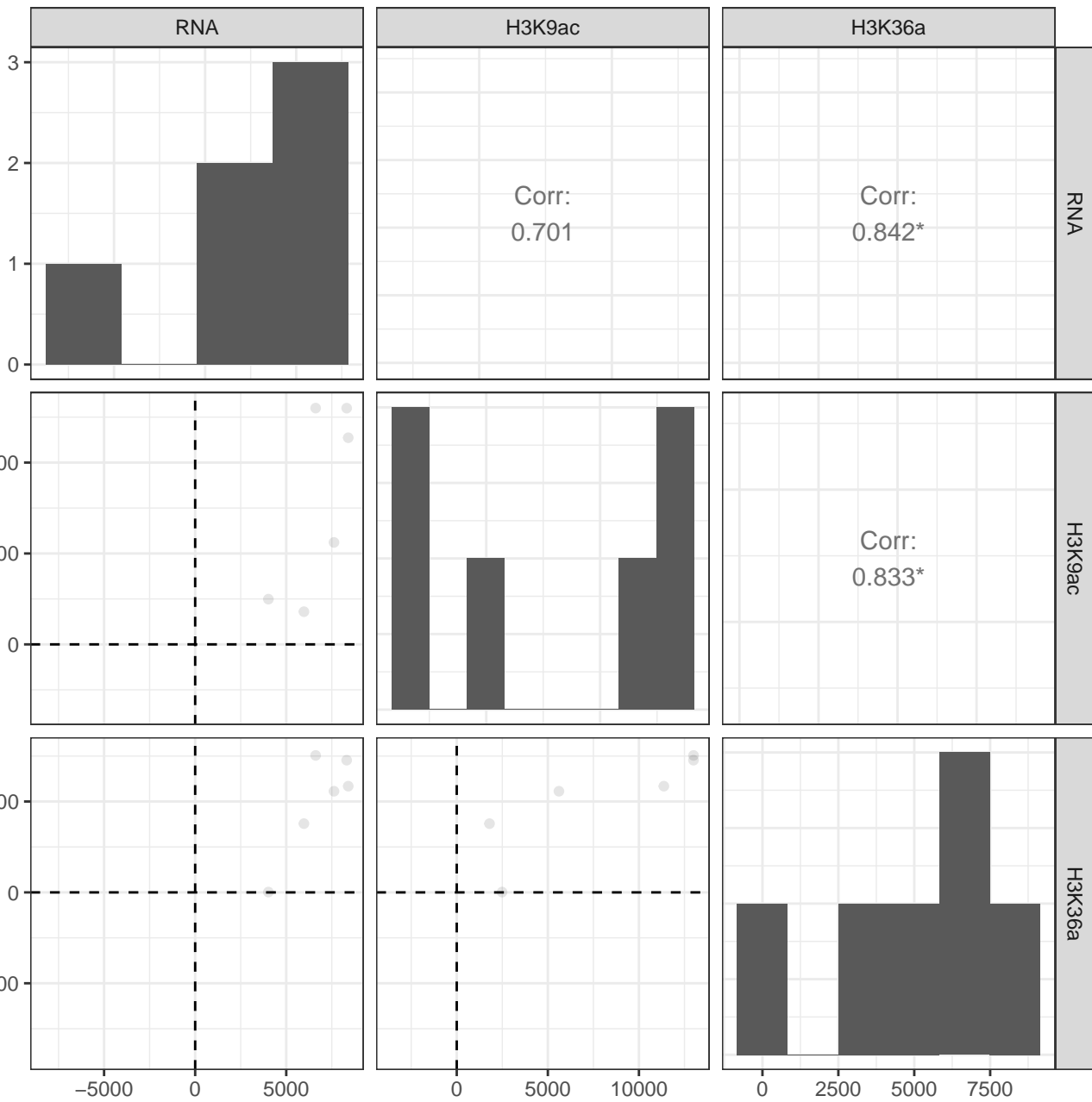
# GOCC CYTOSOLIC LARGE RIBOSOMAL SUBU



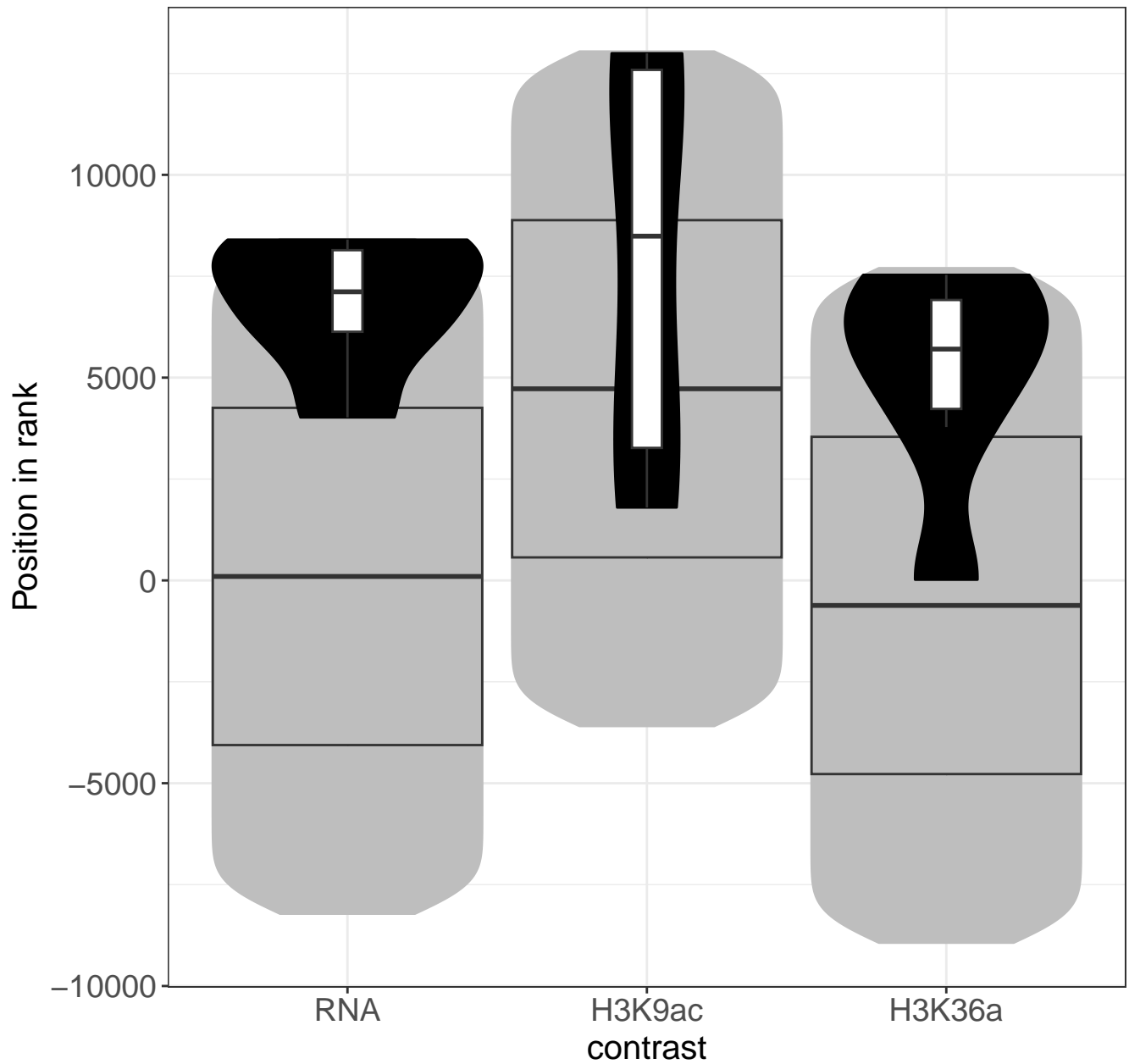
# GOBP TELOMERASE HOLOENZYME COMPLEX ASSEMBLY



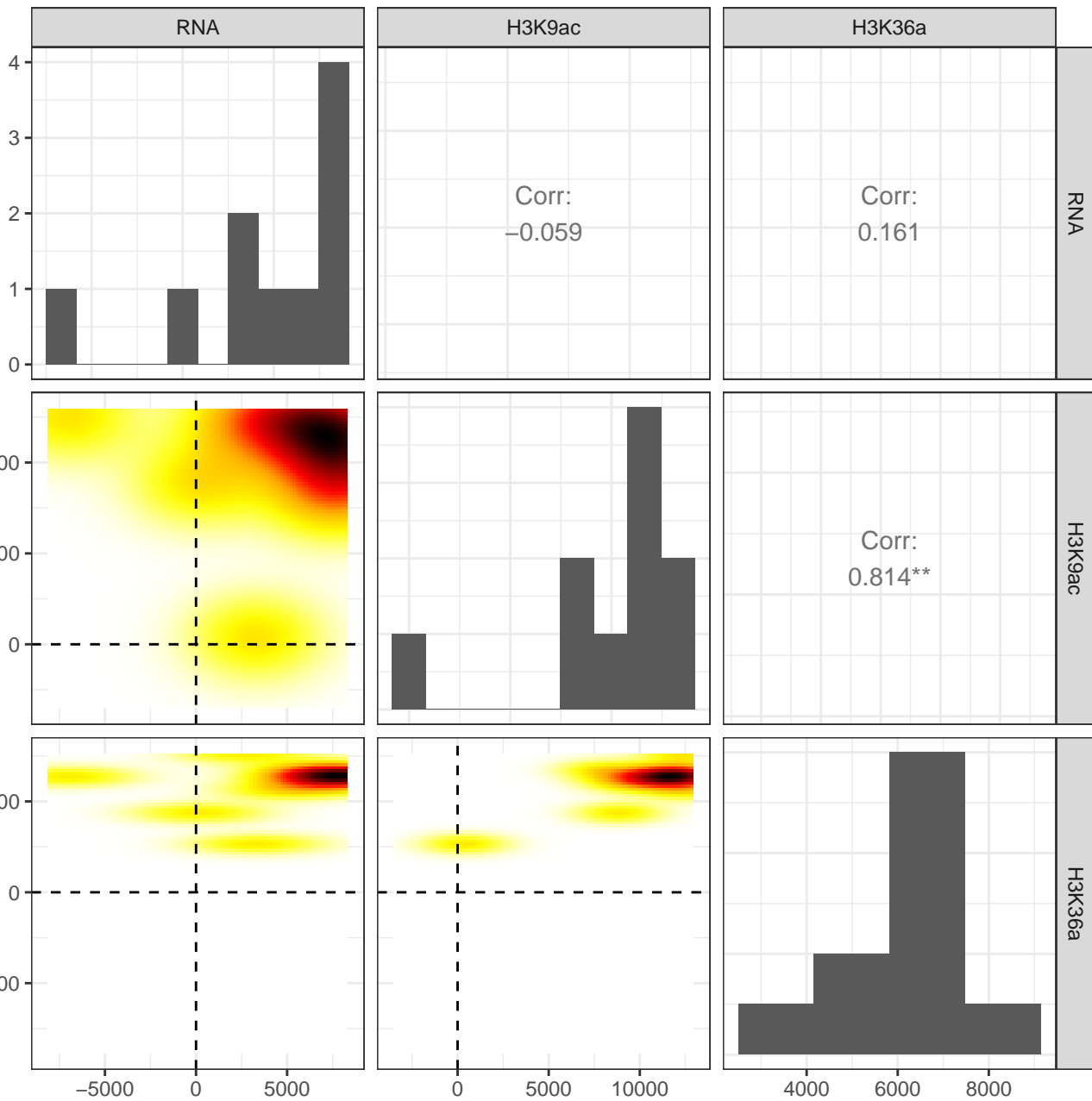
# GOBP TELOMERASE HOLOENZYME COMPLEX ASSEMBLY



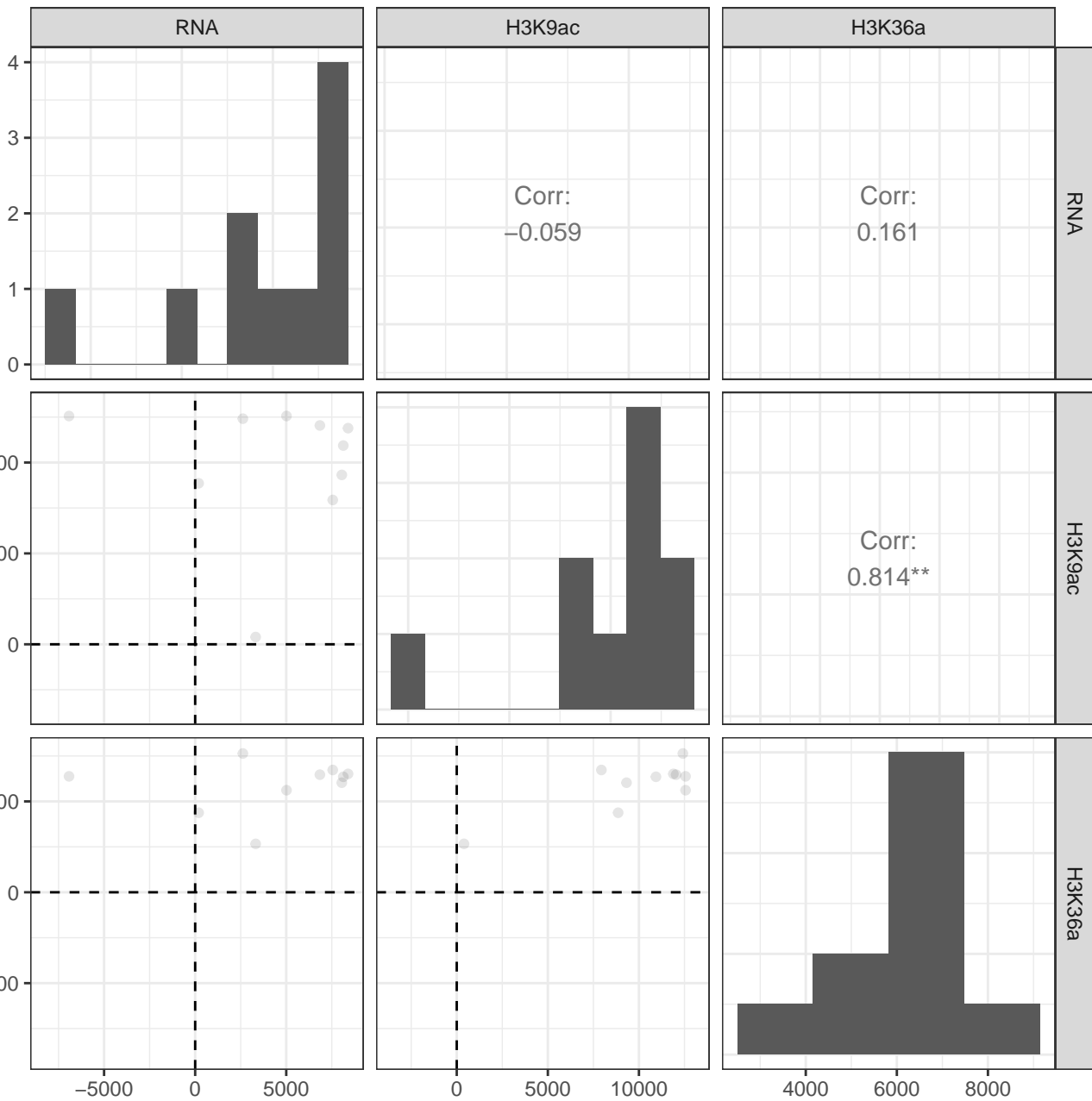
# GOBP TELOMERASE HOLOENZYME COMPLE



# GOBP HEART TRABECULA FORMATION

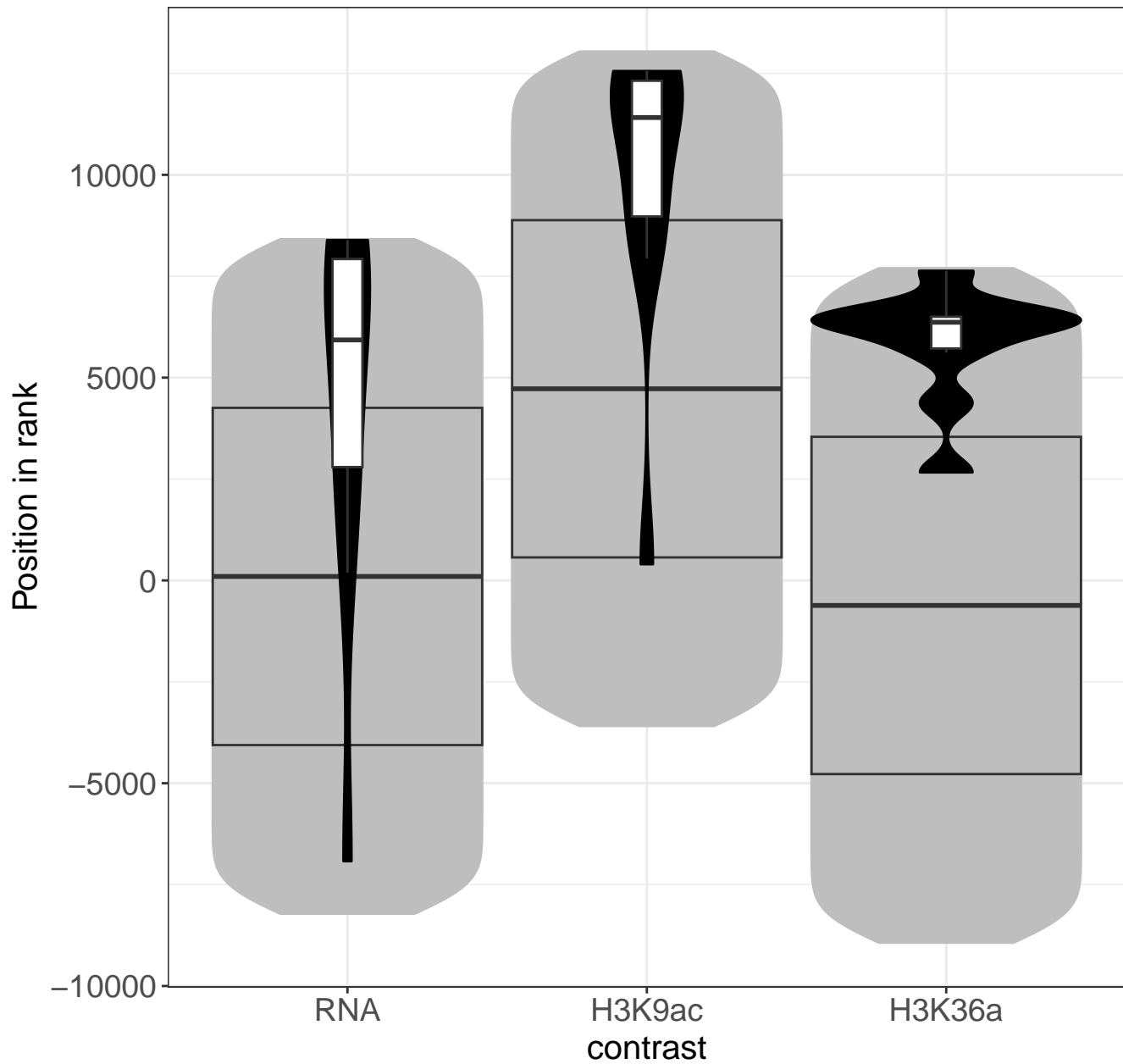


# GOBP HEART TRABECULA FORMATION

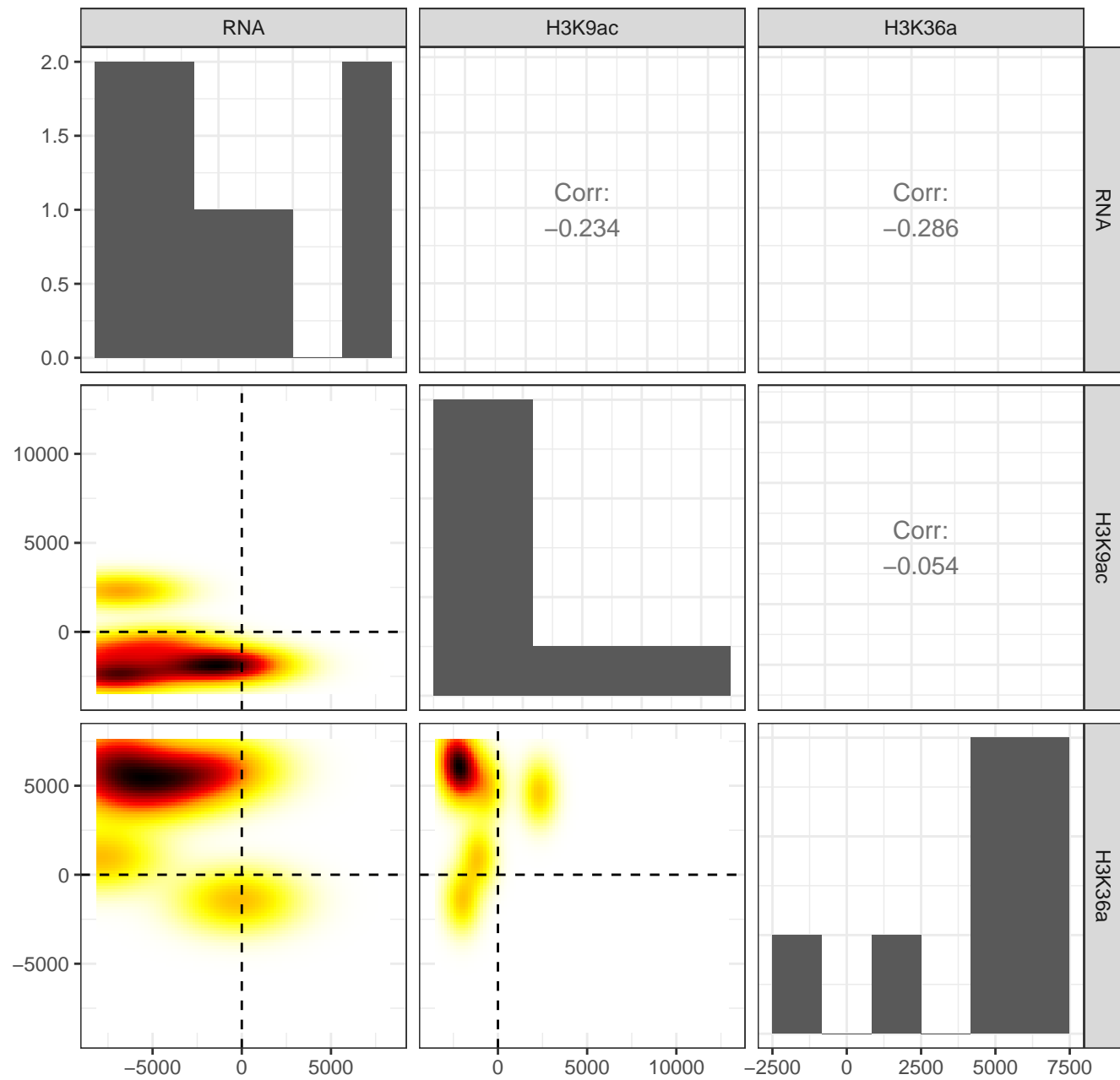




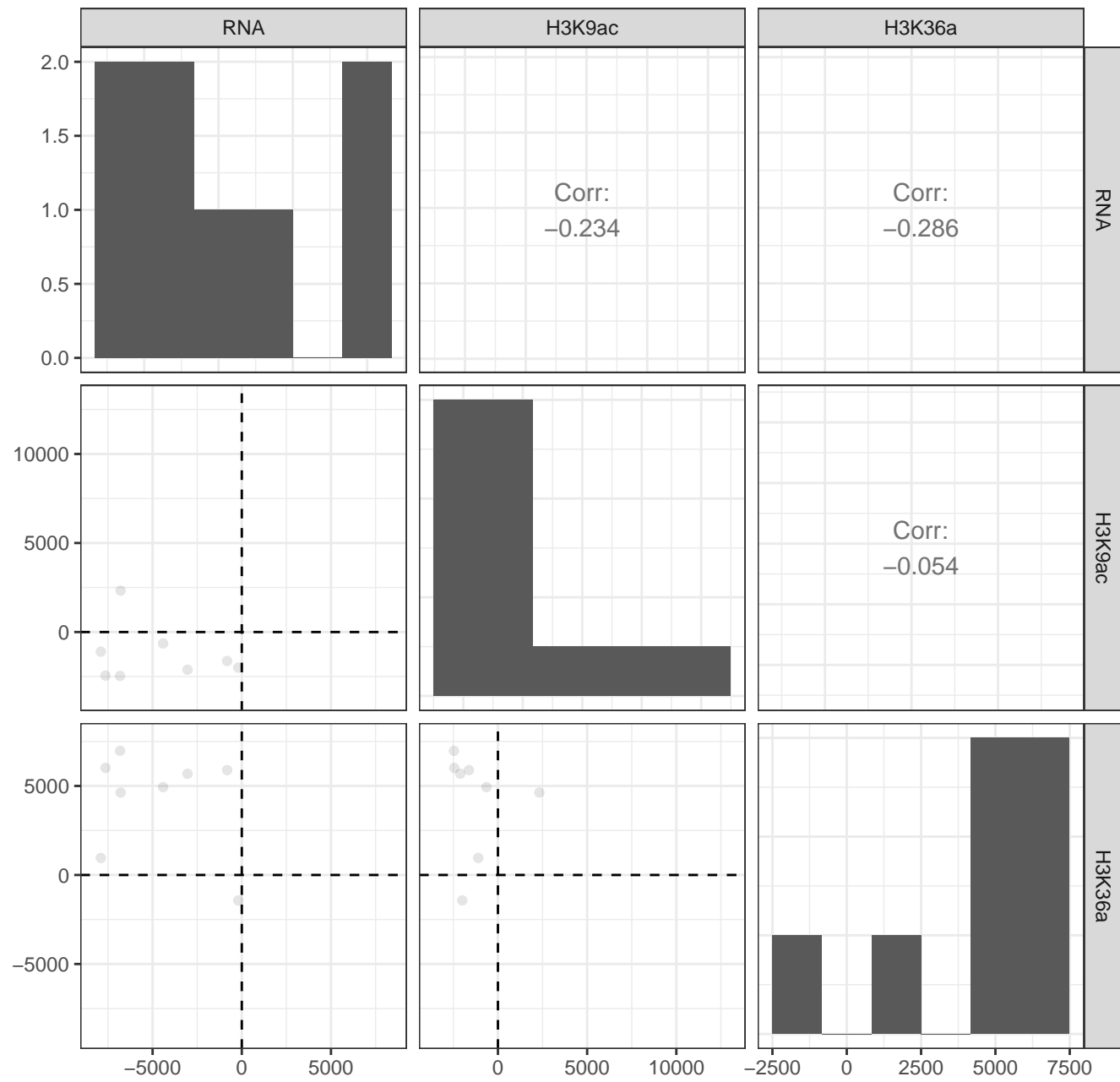
# GOBP HEART TRABECULA FORMATION



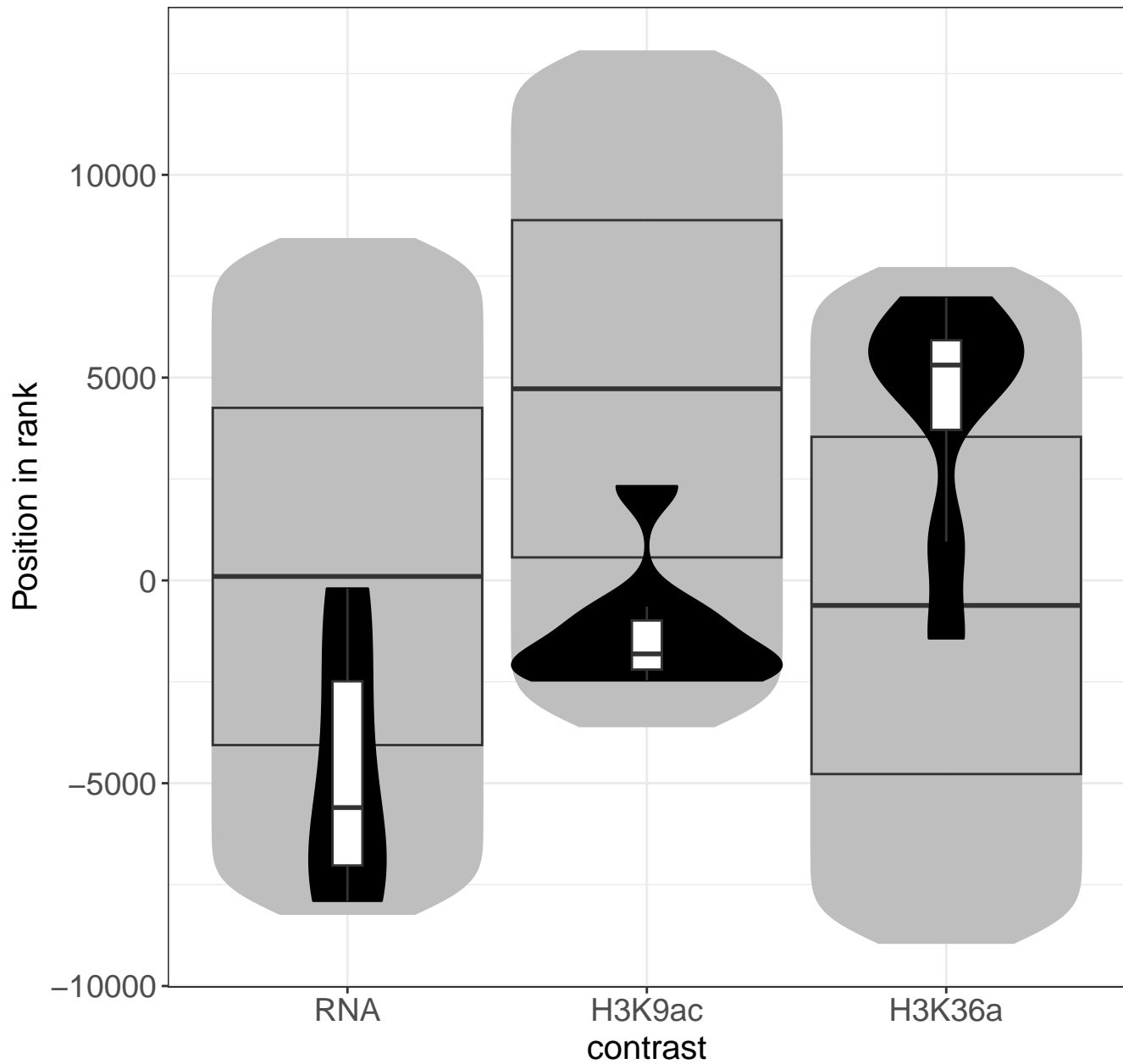
# GOMF ODORANT BINDING



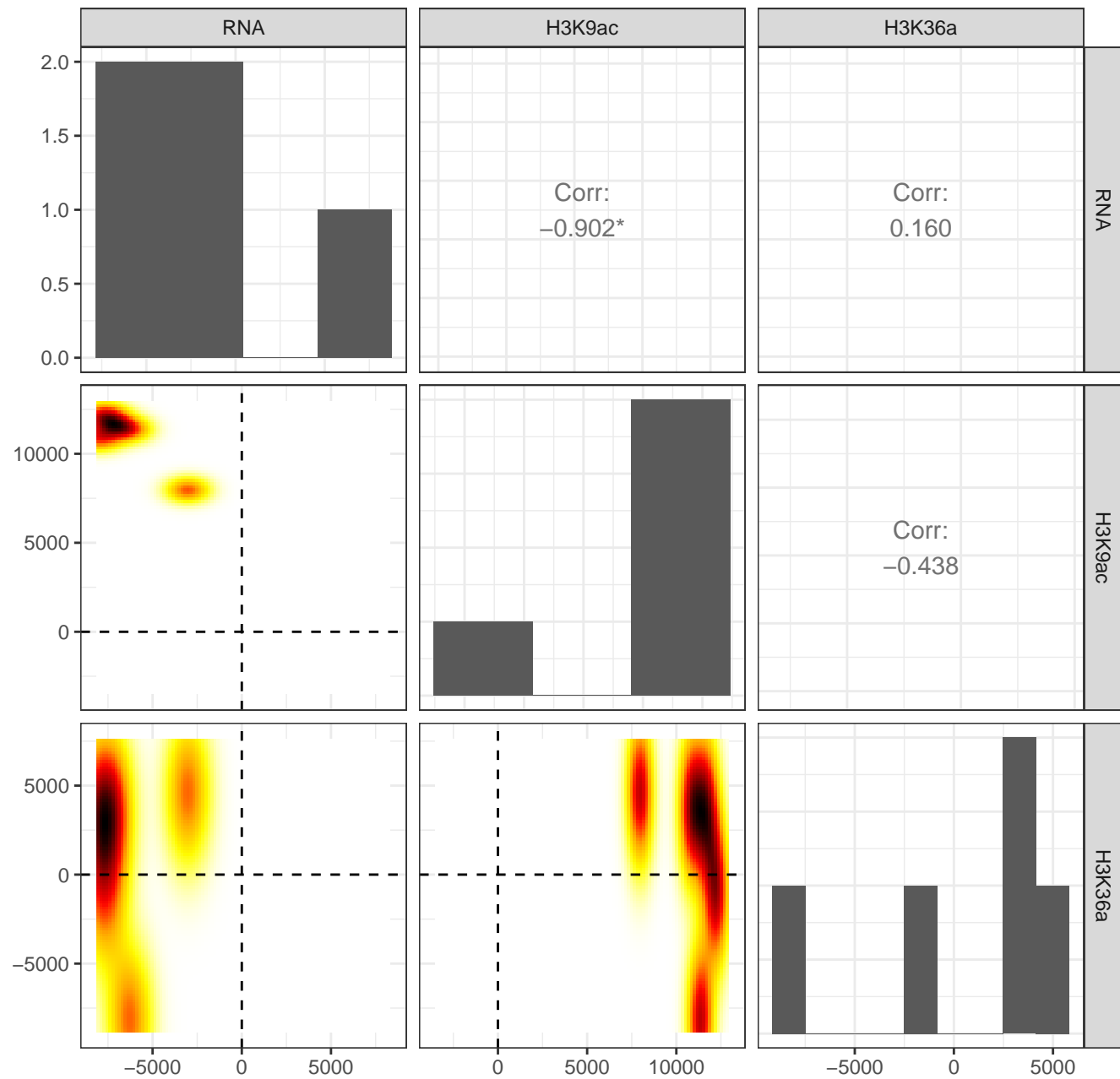
# GOMF ODORANT BINDING



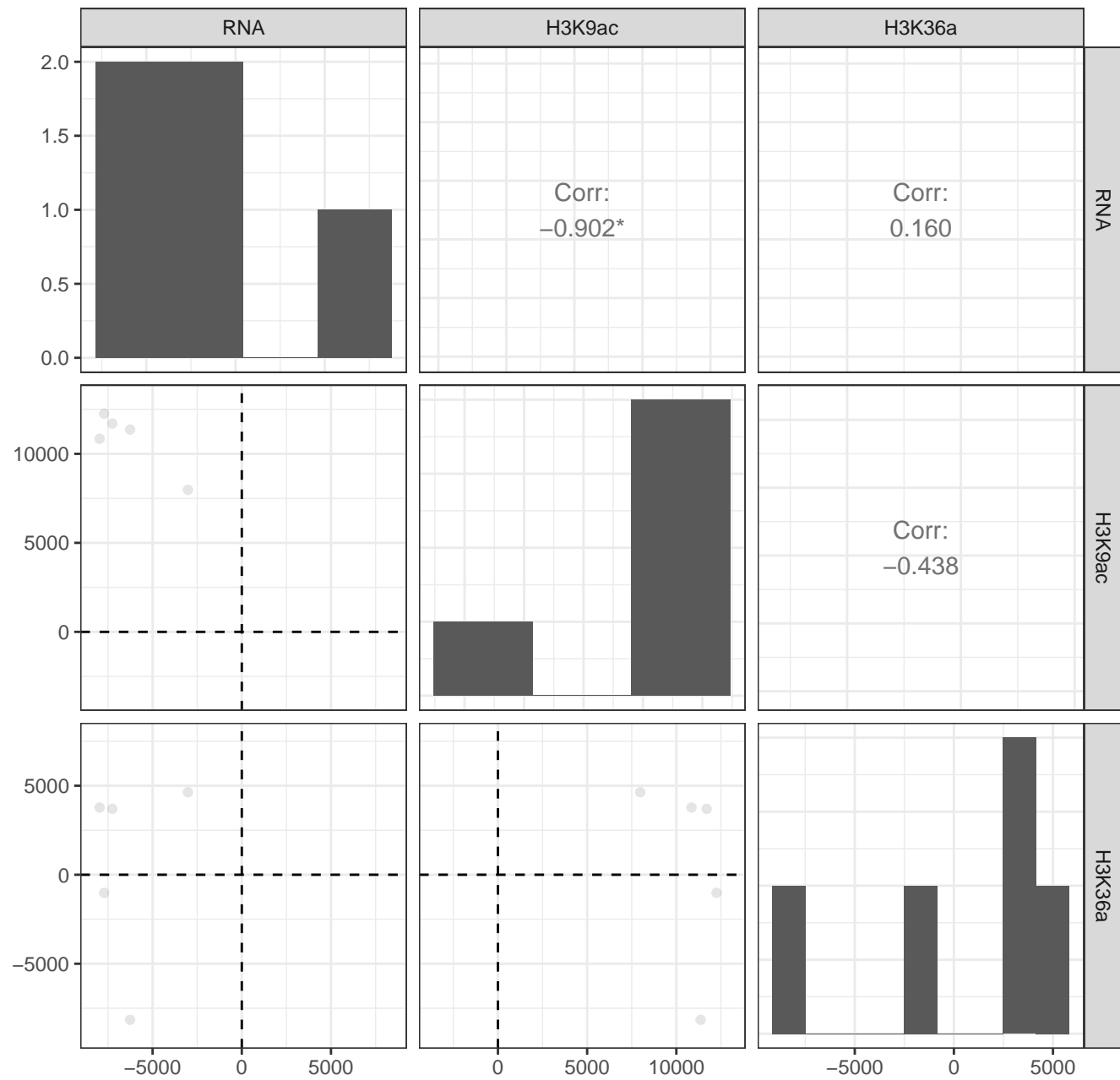
# GOMF ODORANT BINDING



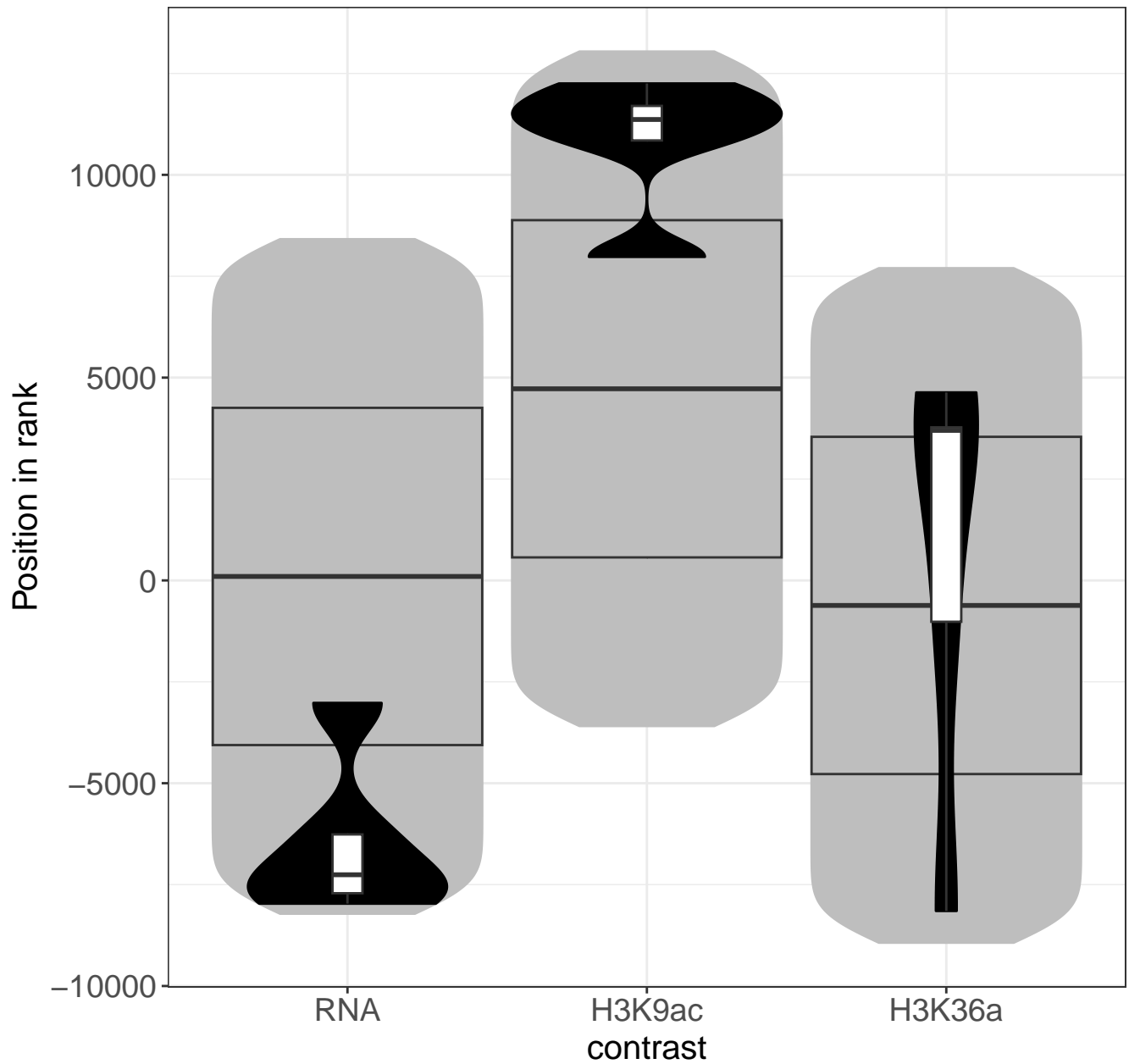
# GOCC CYTOPLASMIC SIDE OF ROUGH ENDOPLASMIC RETICULUM MEMBR



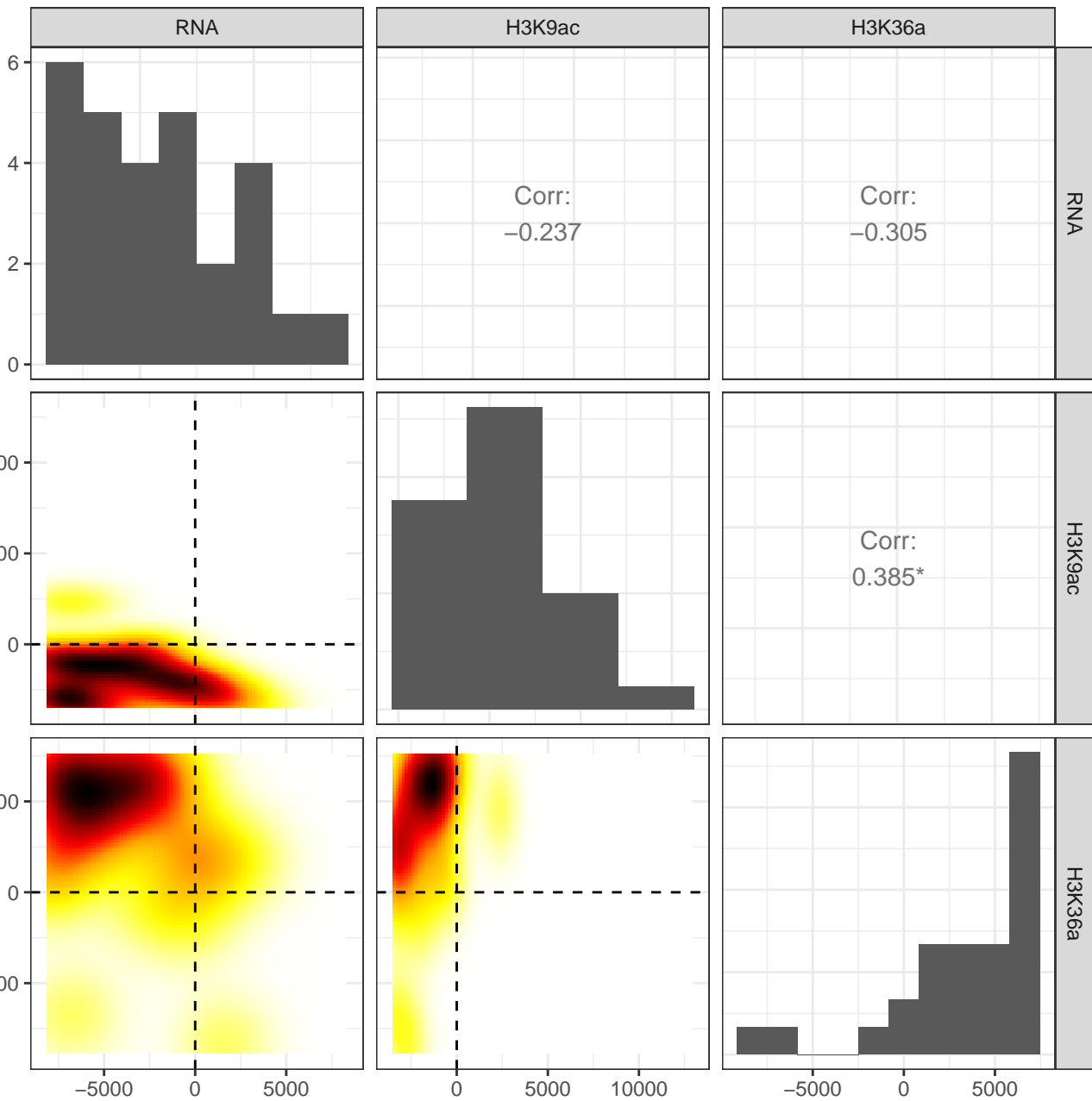
# GOCC CYTOPLASMIC SIDE OF ROUGH ENDOPLASMIC RETICULUM MEMBR



# GOCC CYTOPLASMIC SIDE OF ROUGH ENDO

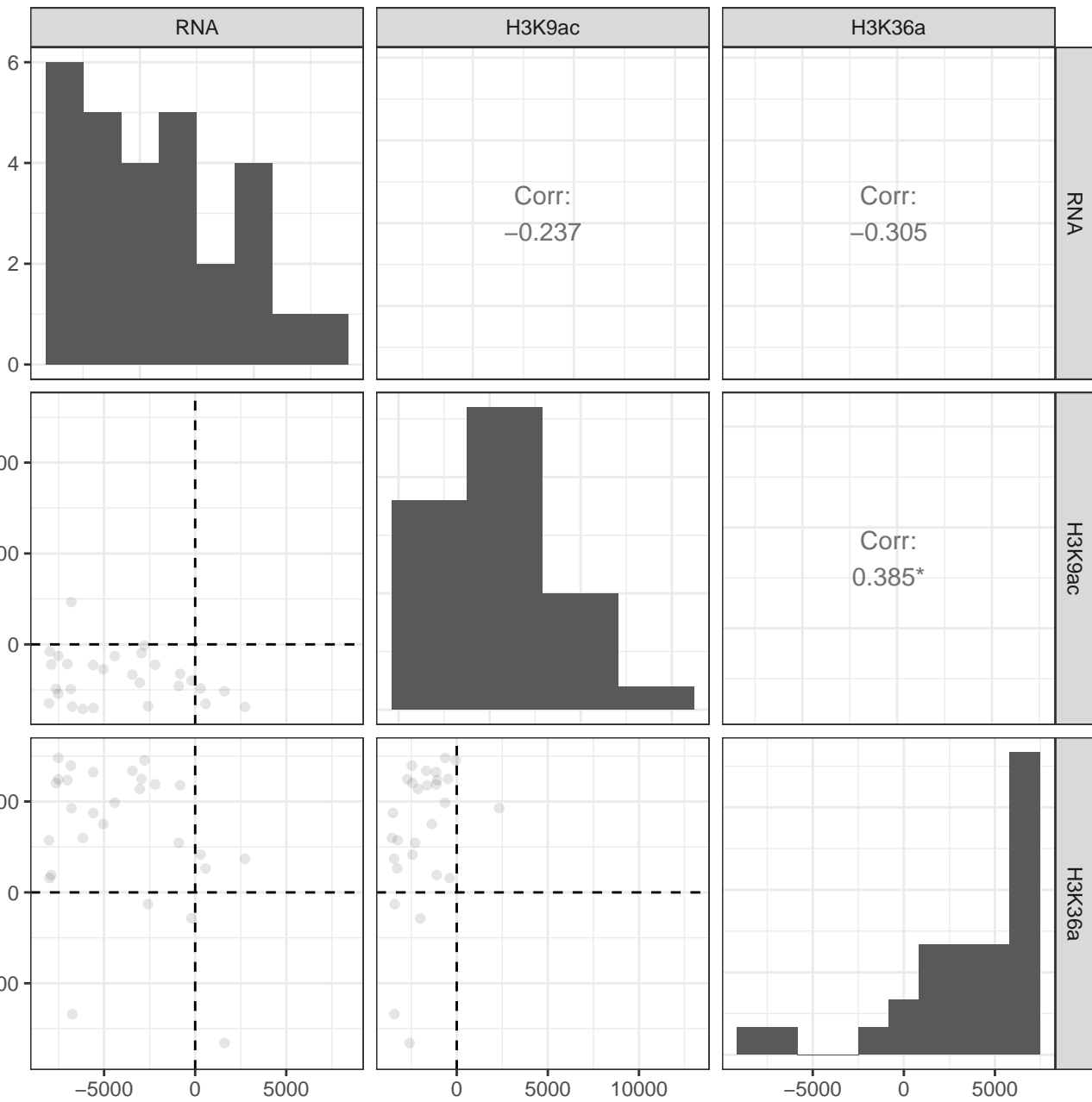


# GOMF OLFACTORY RECEPTOR ACTIVITY

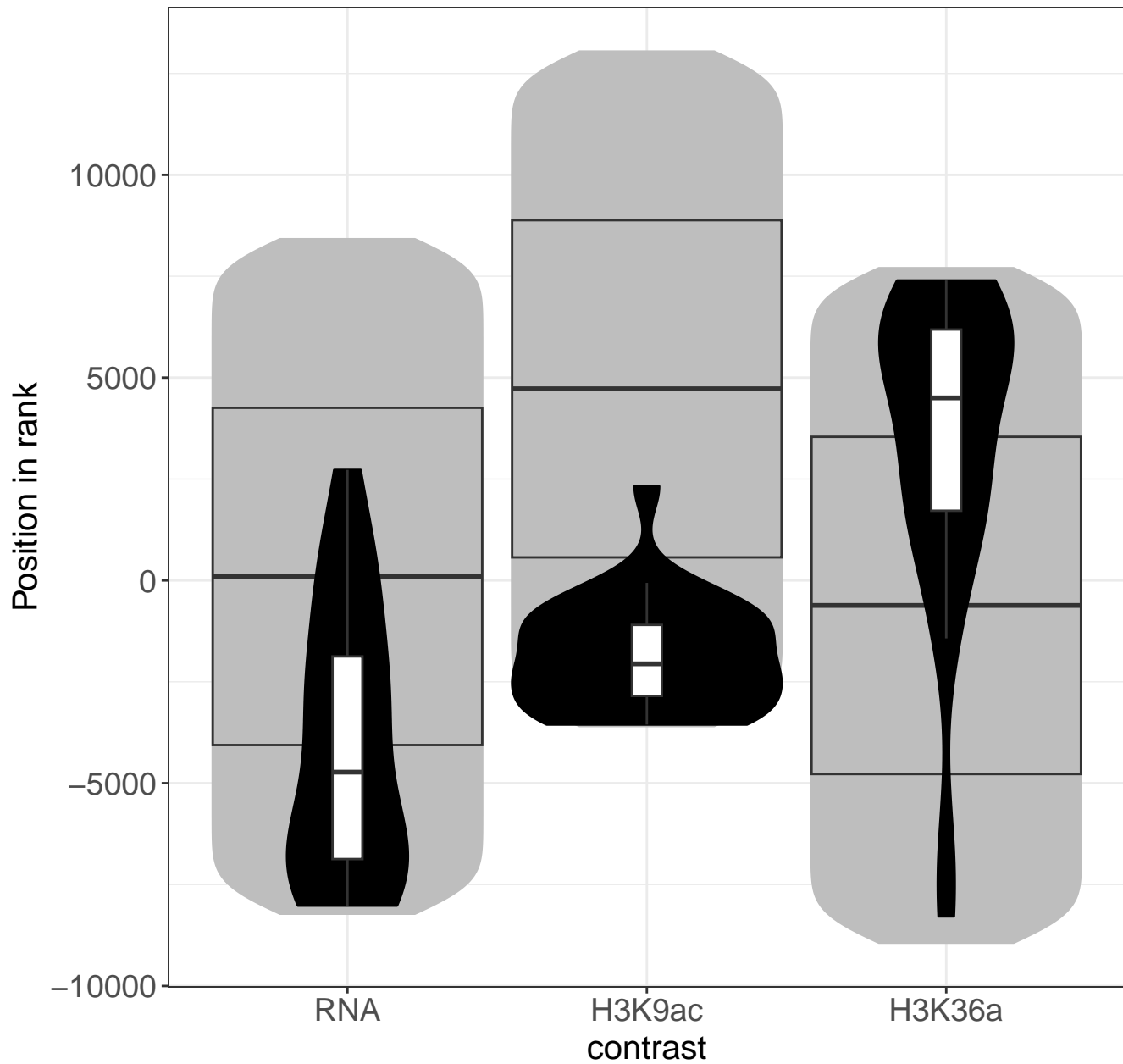




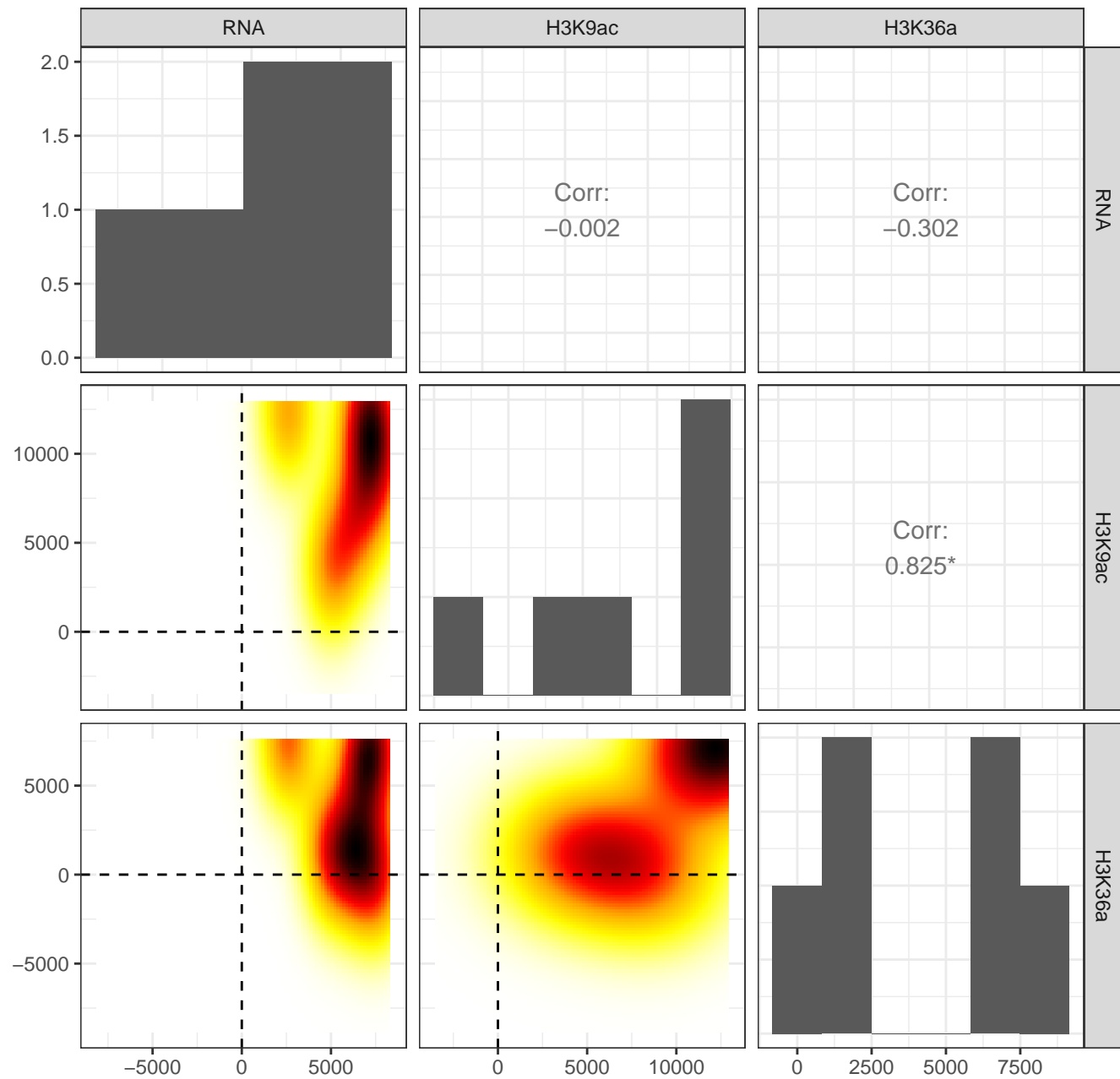
# GOMF OLFACTORY RECEPTOR ACTIVITY



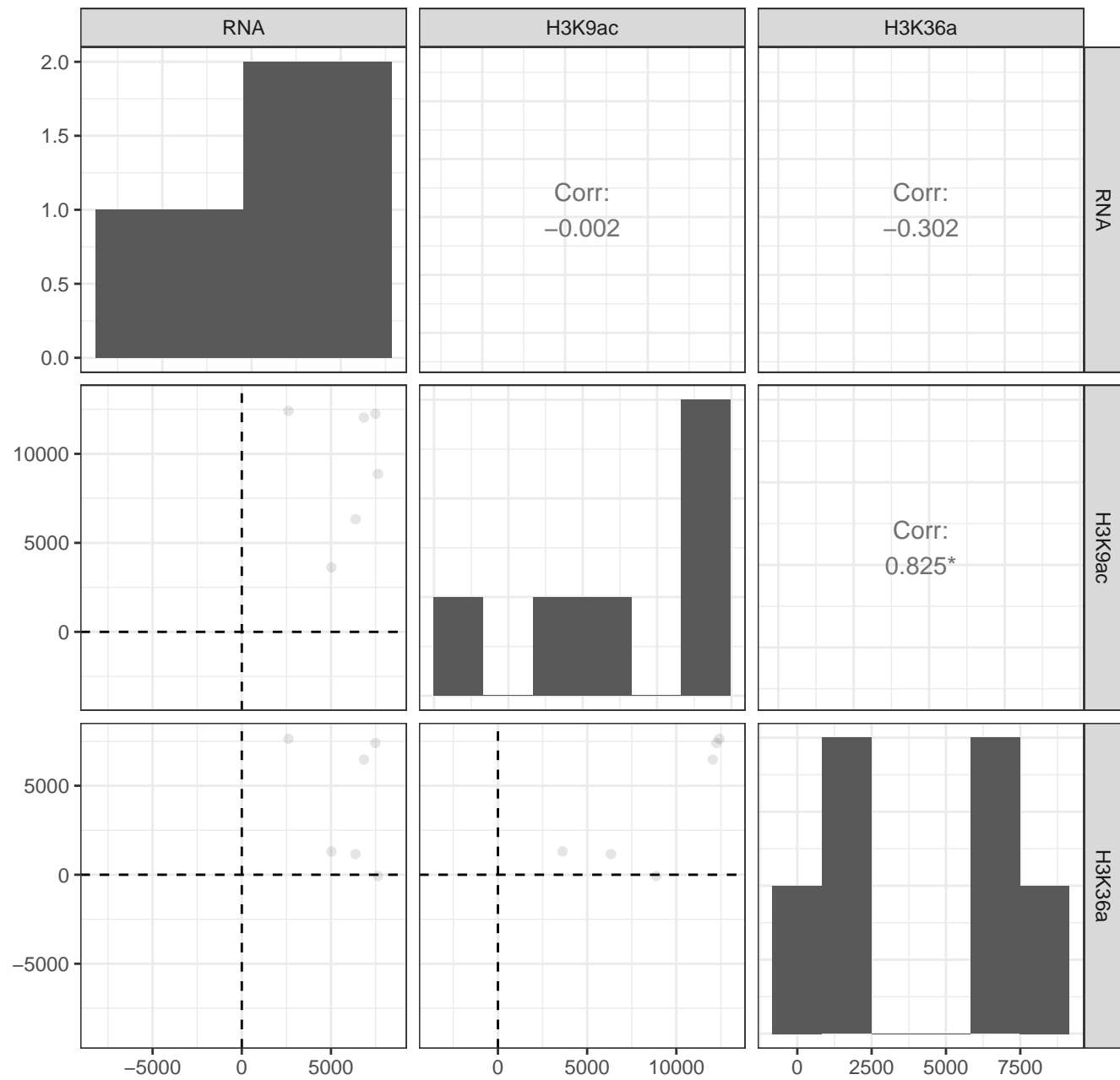
# GOMF OLFACTORY RECEPTOR ACTIVITY



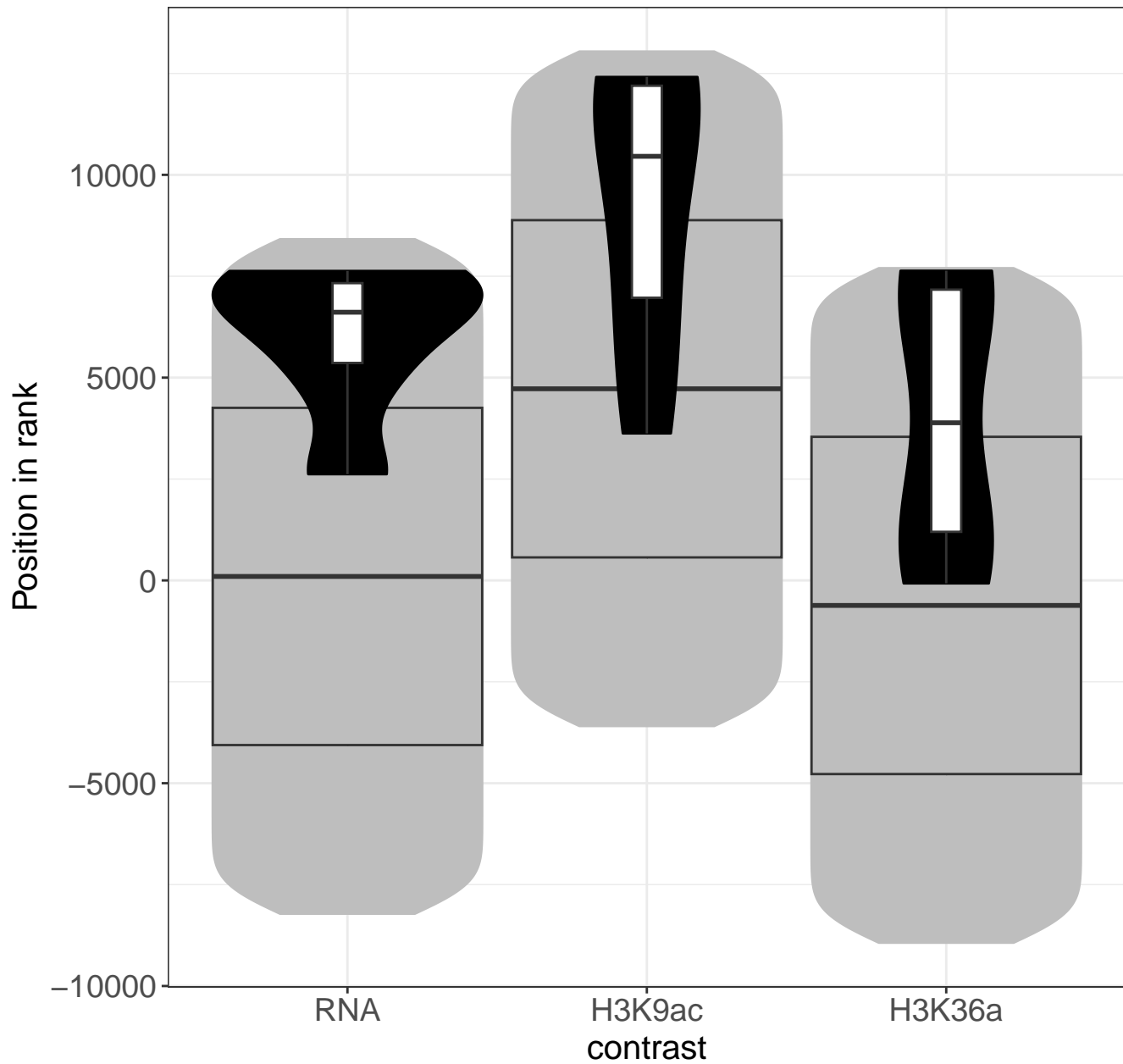
# GOBP VENTRICULAR CARDIAC MUSCLE CELL DEVELOPMENT



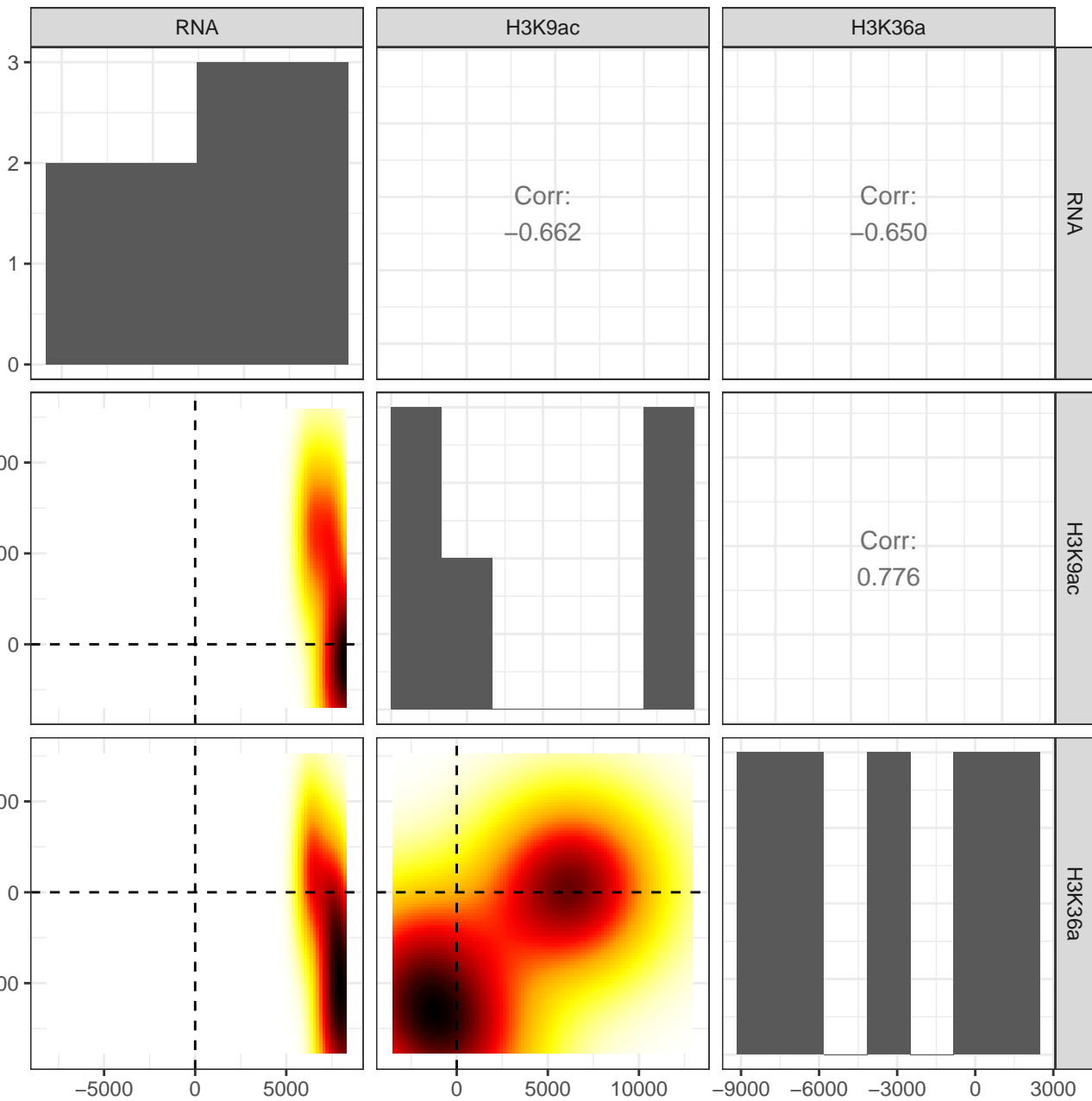
# GOBP VENTRICULAR CARDIAC MUSCLE CELL DEVELOPMENT



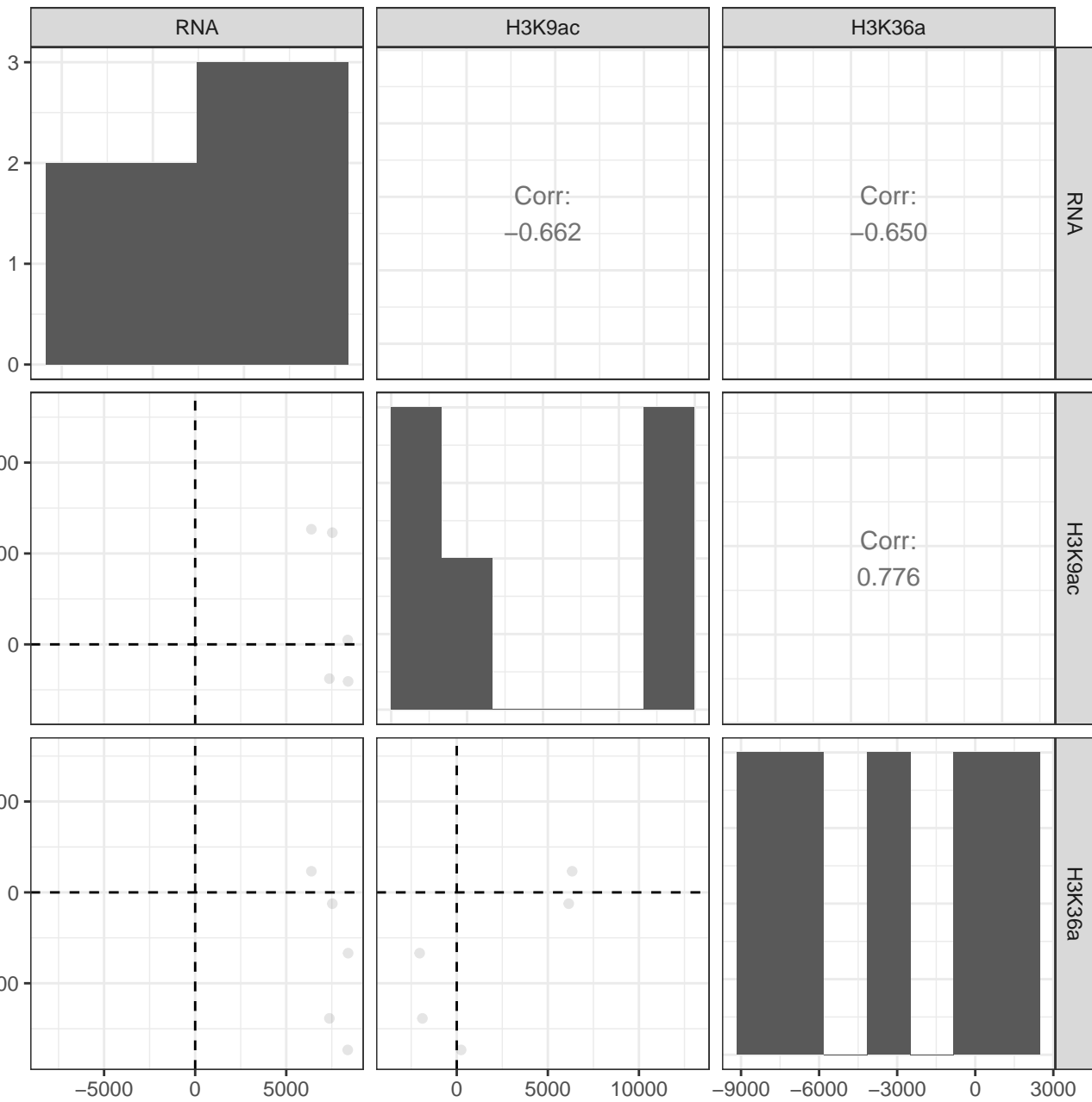
# GOBP VENTRICULAR CARDIAC MUSCLE CEL



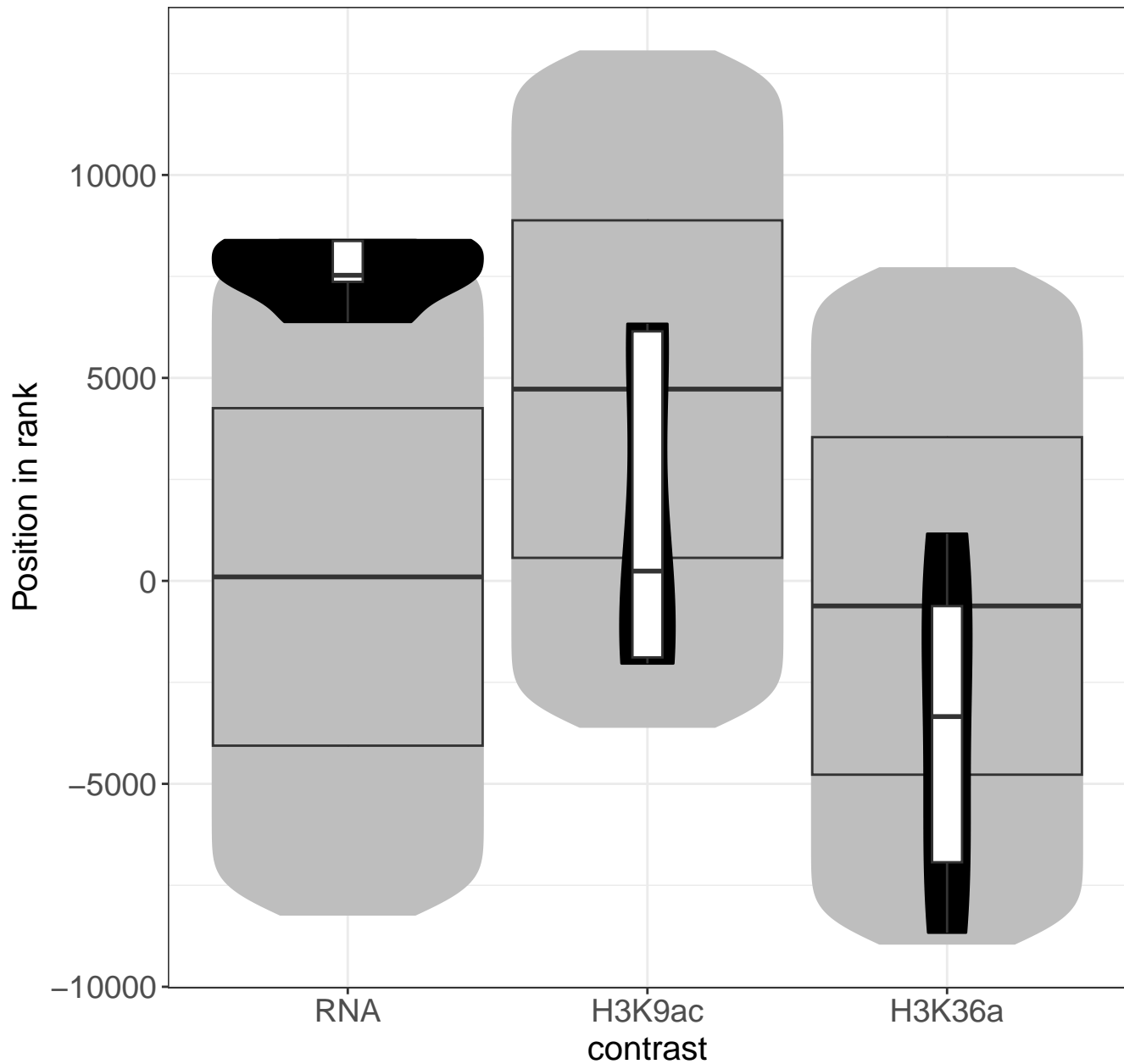
# GOBP ENDOCARDIUM MORPHOGENESIS



# GOBP ENDOCARDIUM MORPHOGENESIS

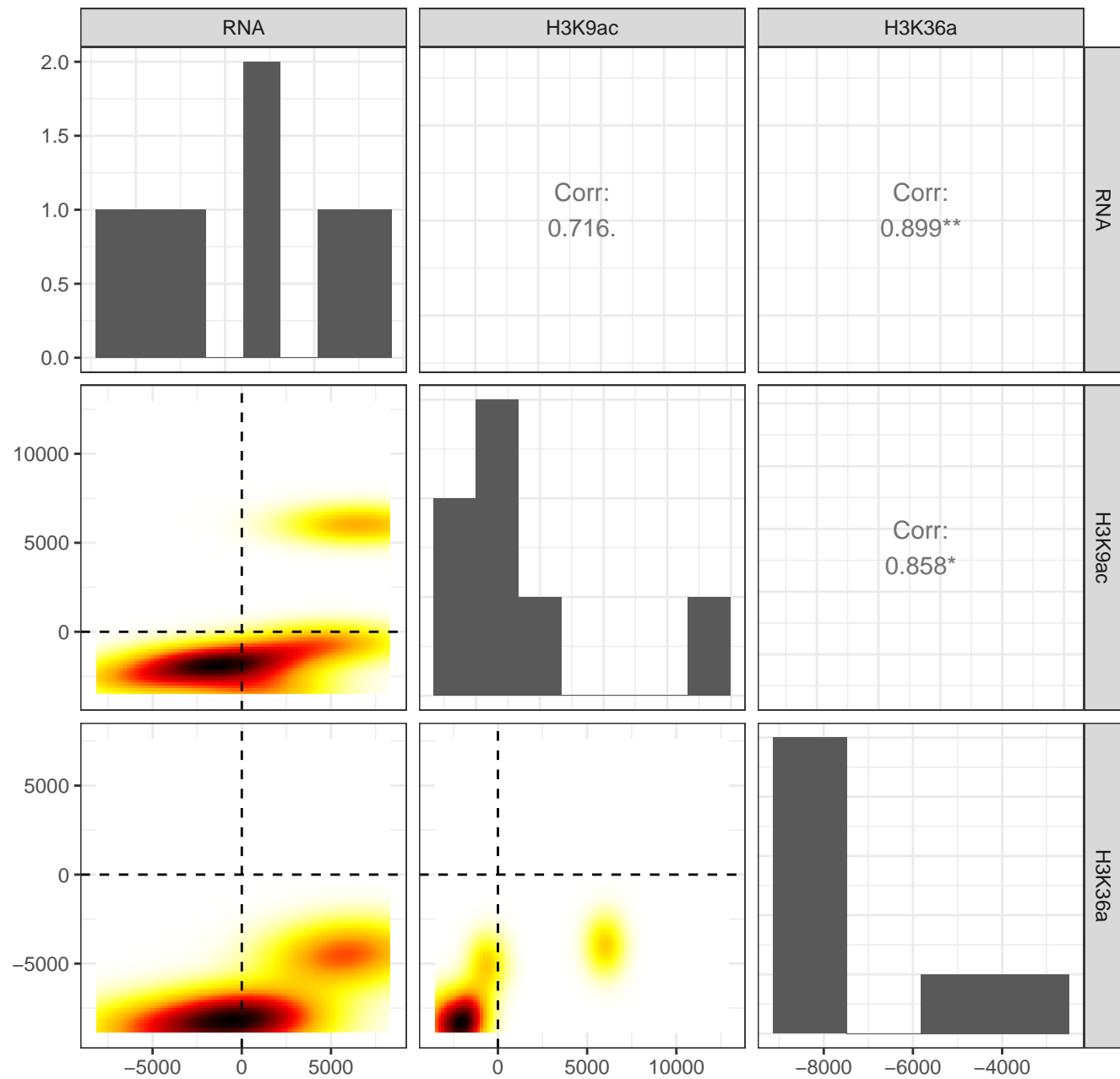


# GOBP ENDOCARDIUM MORPHOGENESIS

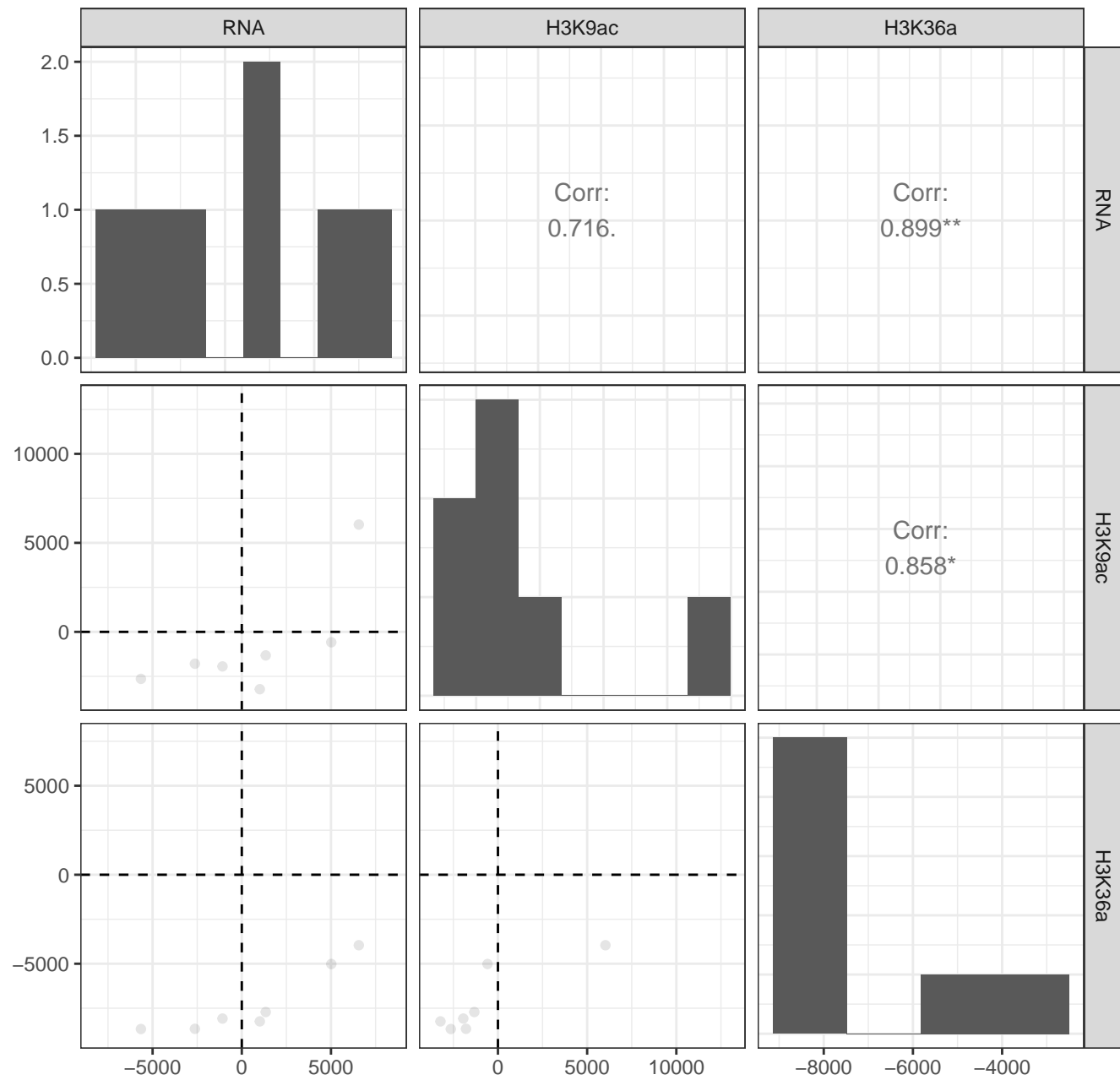




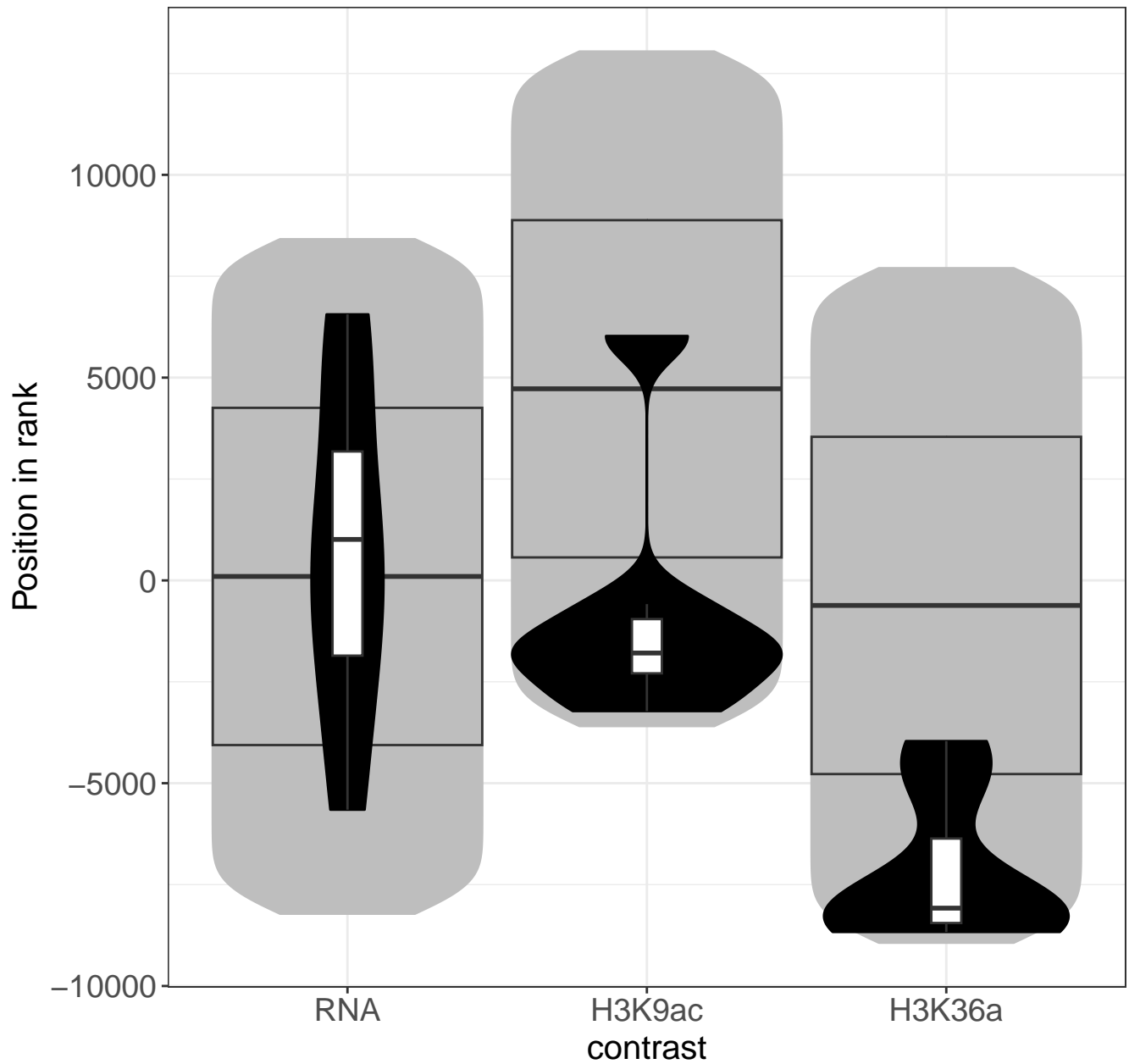
# GOBP EXCITATORY CHEMICAL SYNAPTIC TRANSMISSION



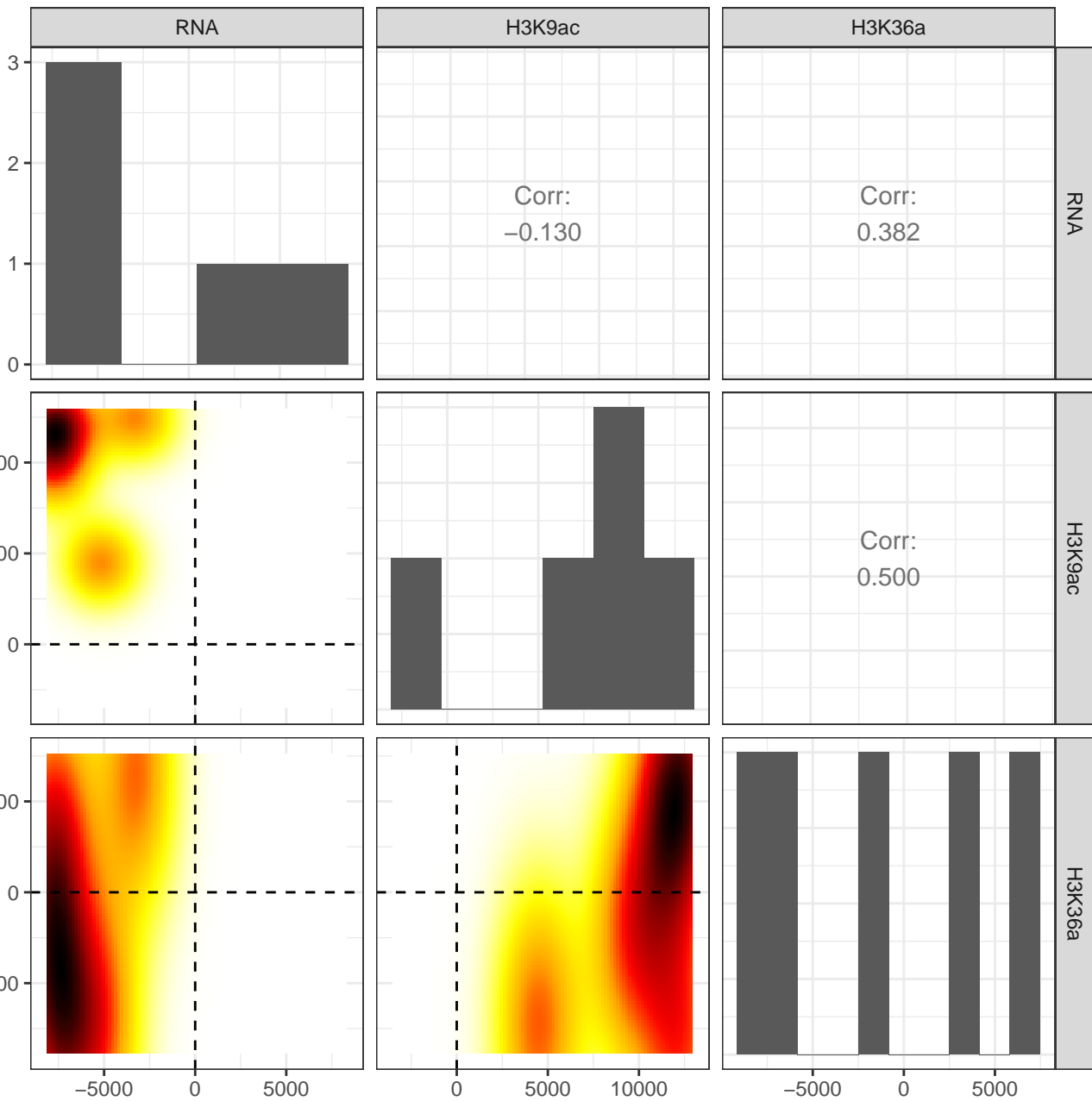
# GOBP EXCITATORY CHEMICAL SYNAPTIC TRANSMISSION



# GOBP EXCITATORY CHEMICAL SYNAPTIC TR

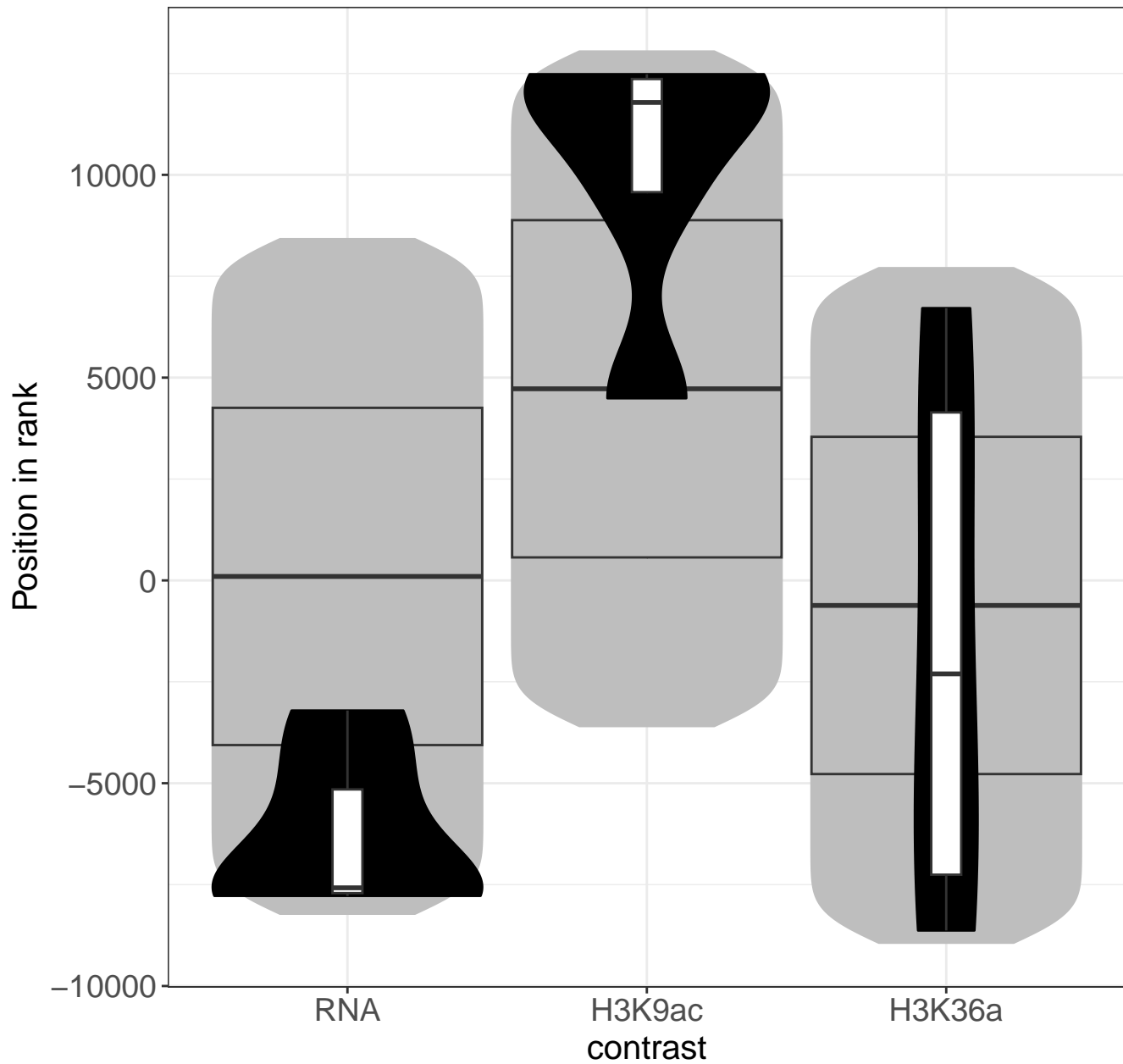


# GOMF LARGE RIBOSOMAL SUBUNIT RRNA BINDING

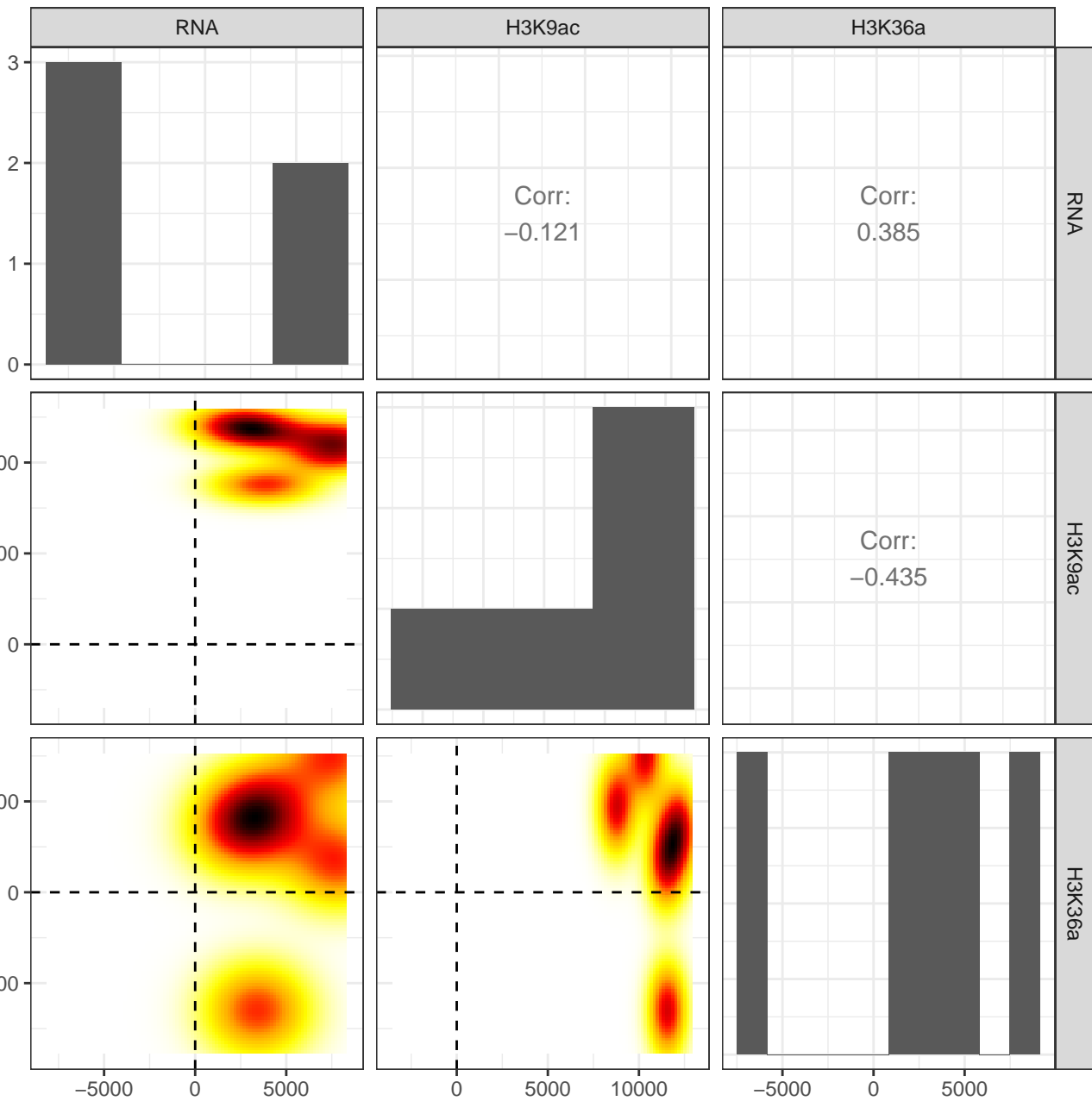




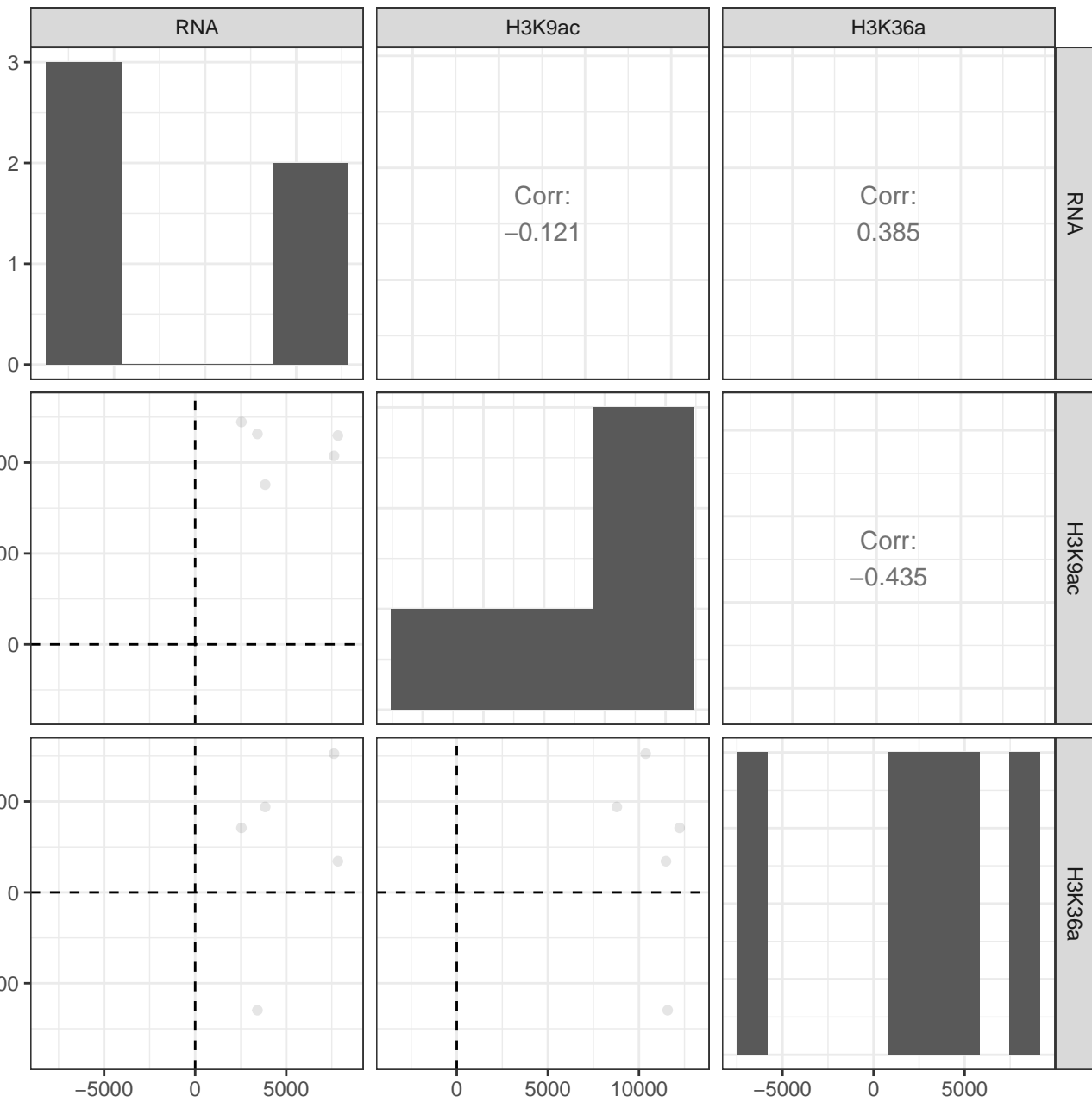
# GOMF LARGE RIBOSOMAL SUBUNIT RRNA B



# GOCC MCRD MEDIATED MRNA STABILITY COMPLEX

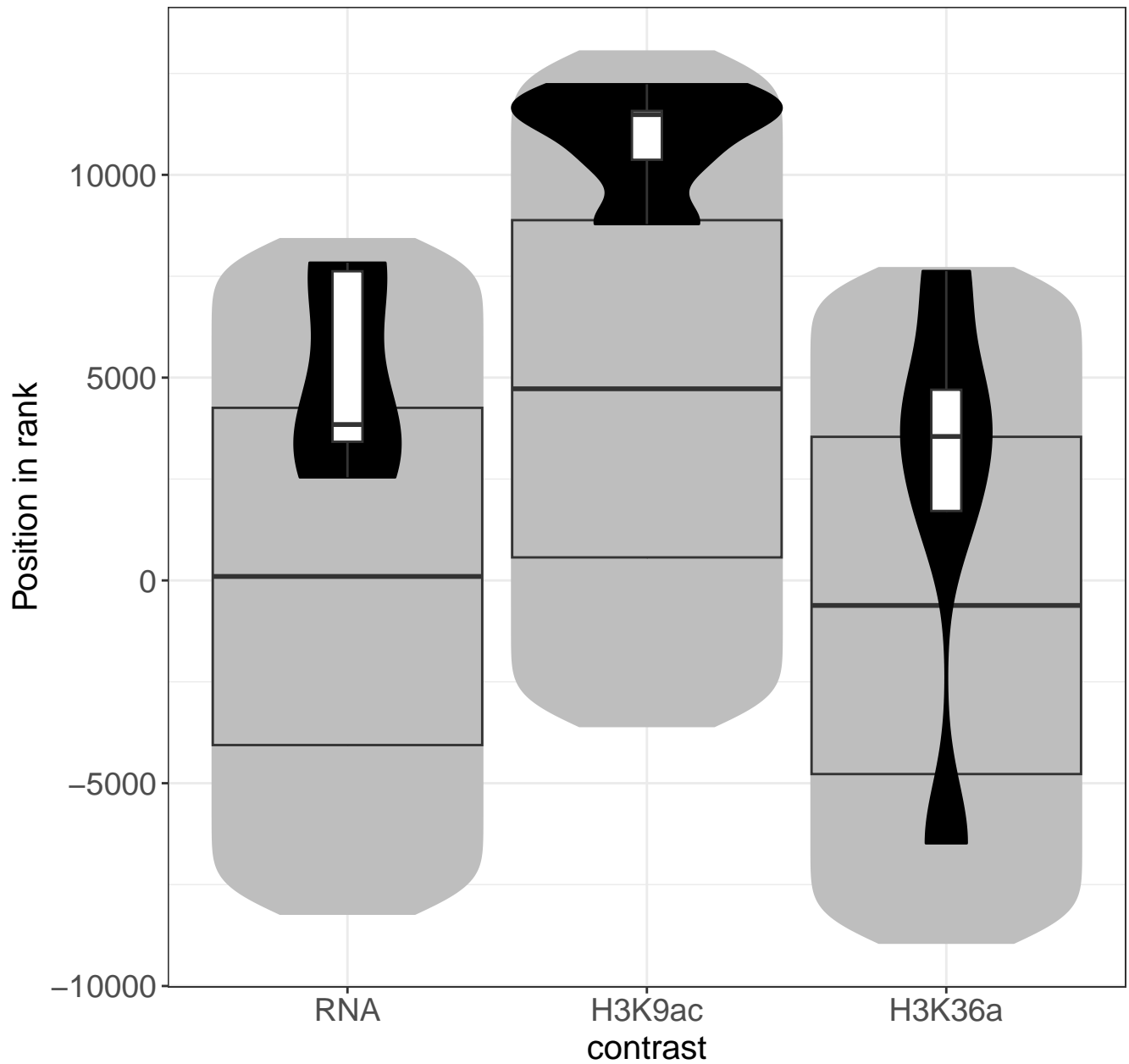


# GOCC MCRD MEDIATED MRNA STABILITY COMPLEX

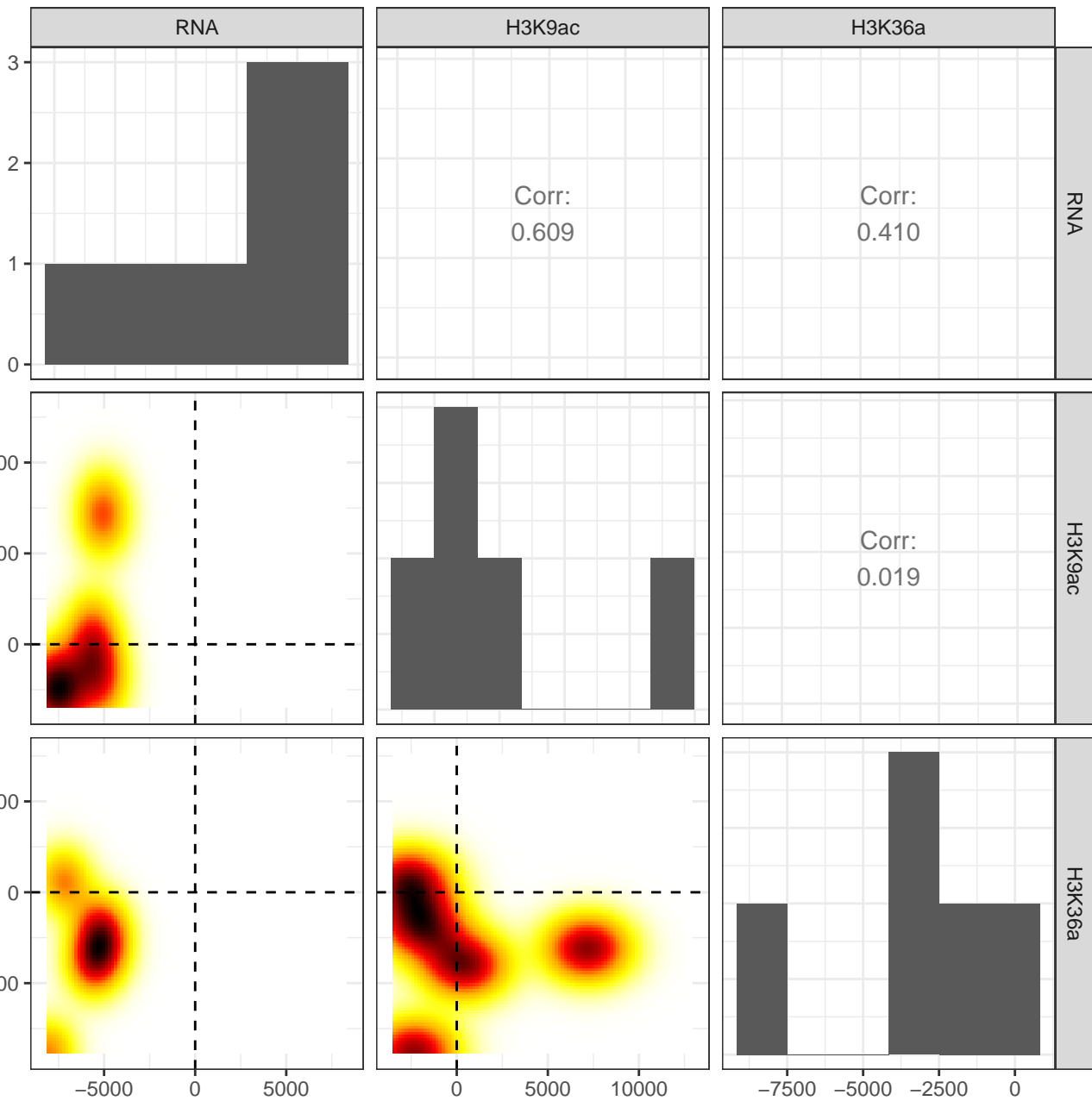




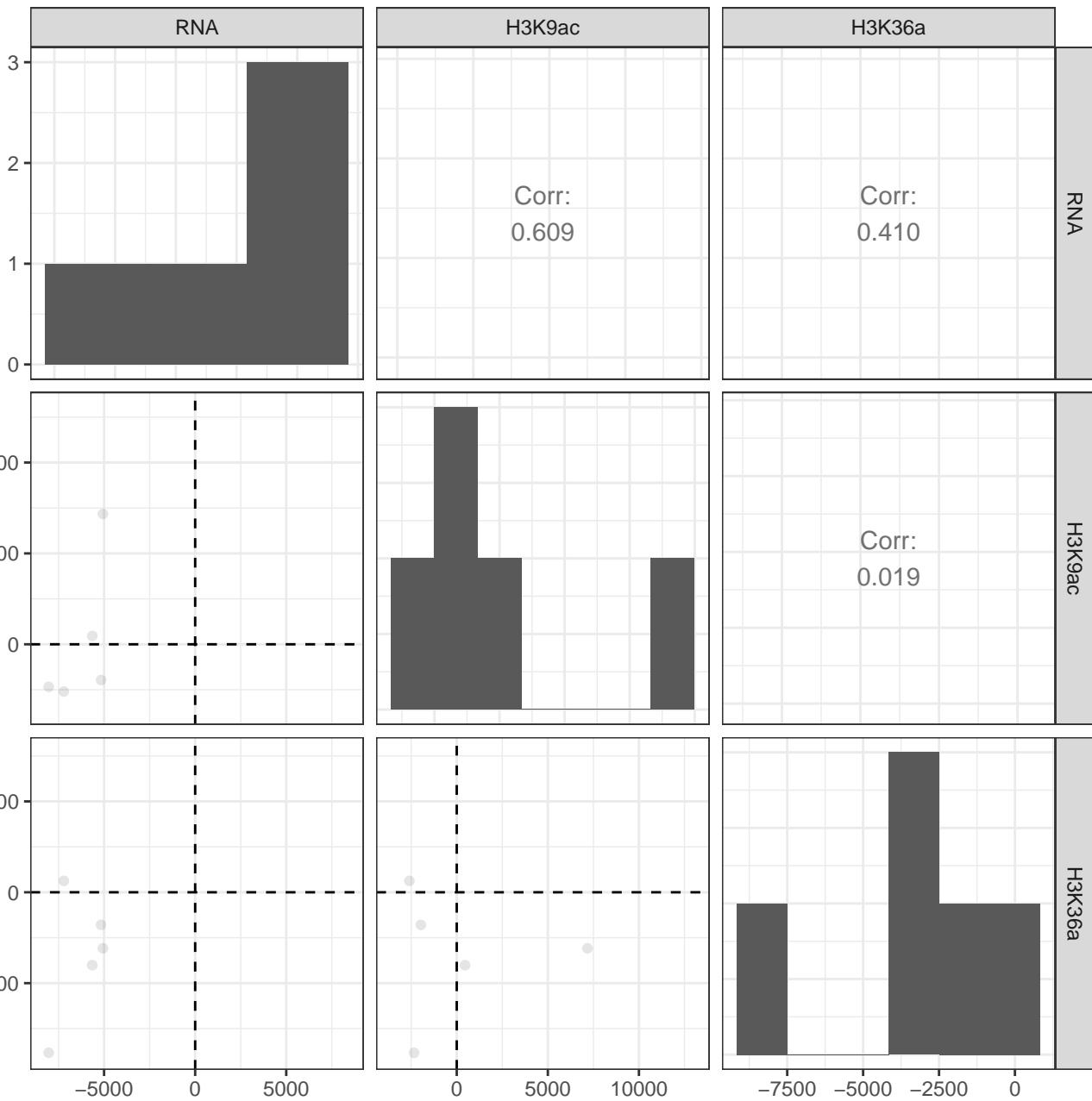
# GOCC MCRD MEDIATED MRNA STABILITY CO



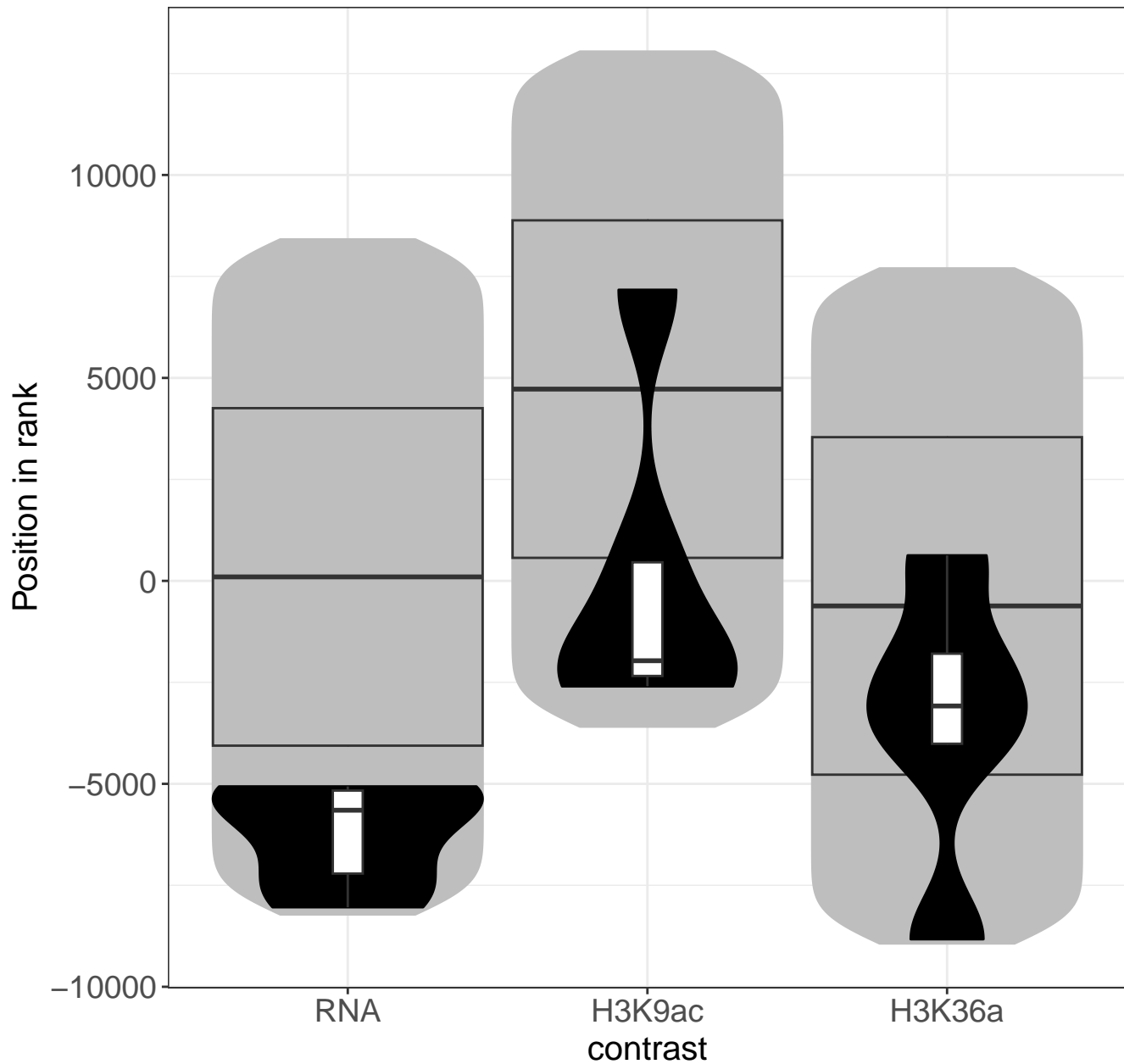
# GOMF CALCIUM DEPENDENT PHOSPHOLIPASE A2 ACTIVITY



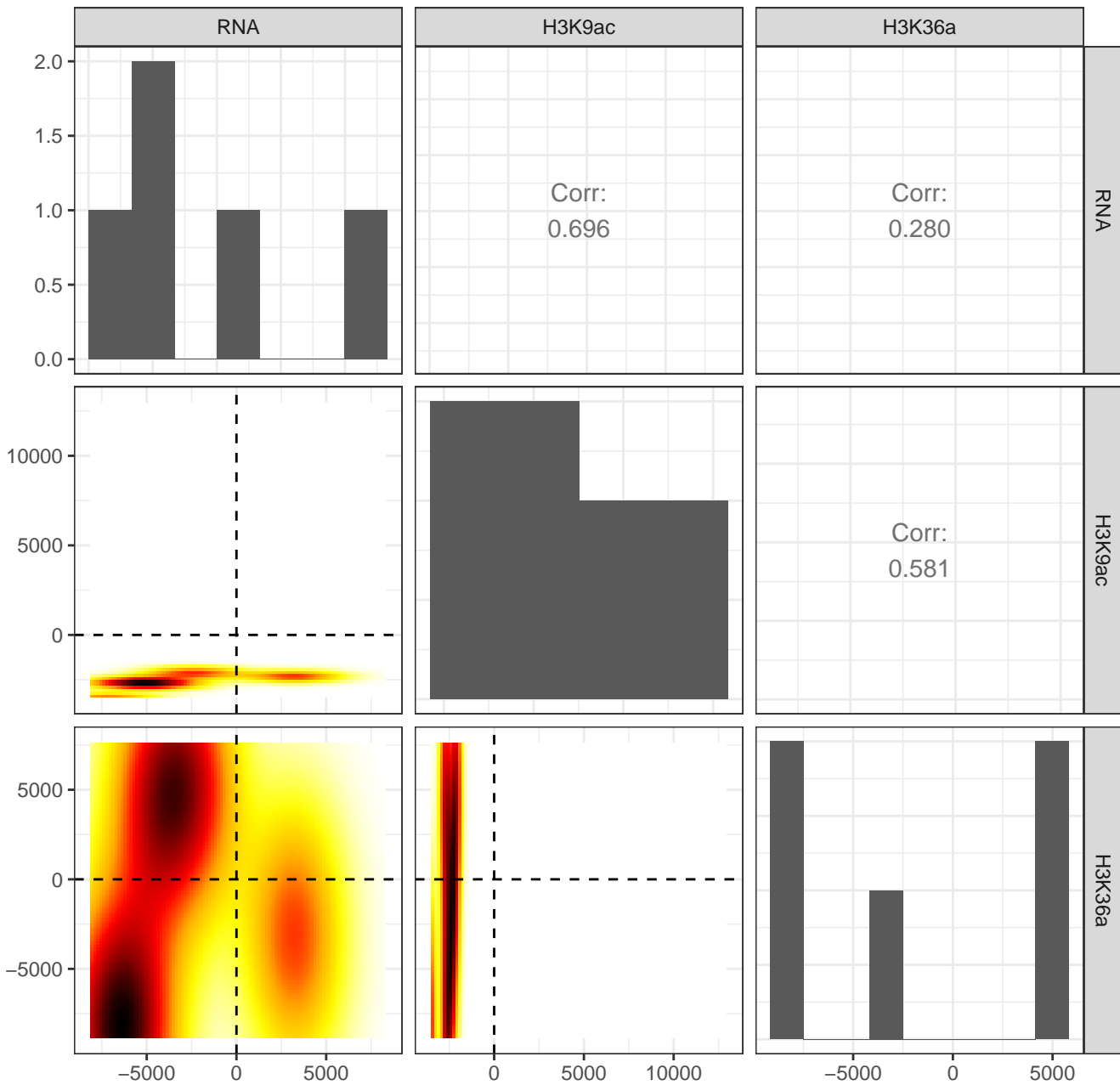
# GOMF CALCIUM DEPENDENT PHOSPHOLIPASE A2 ACTIVITY



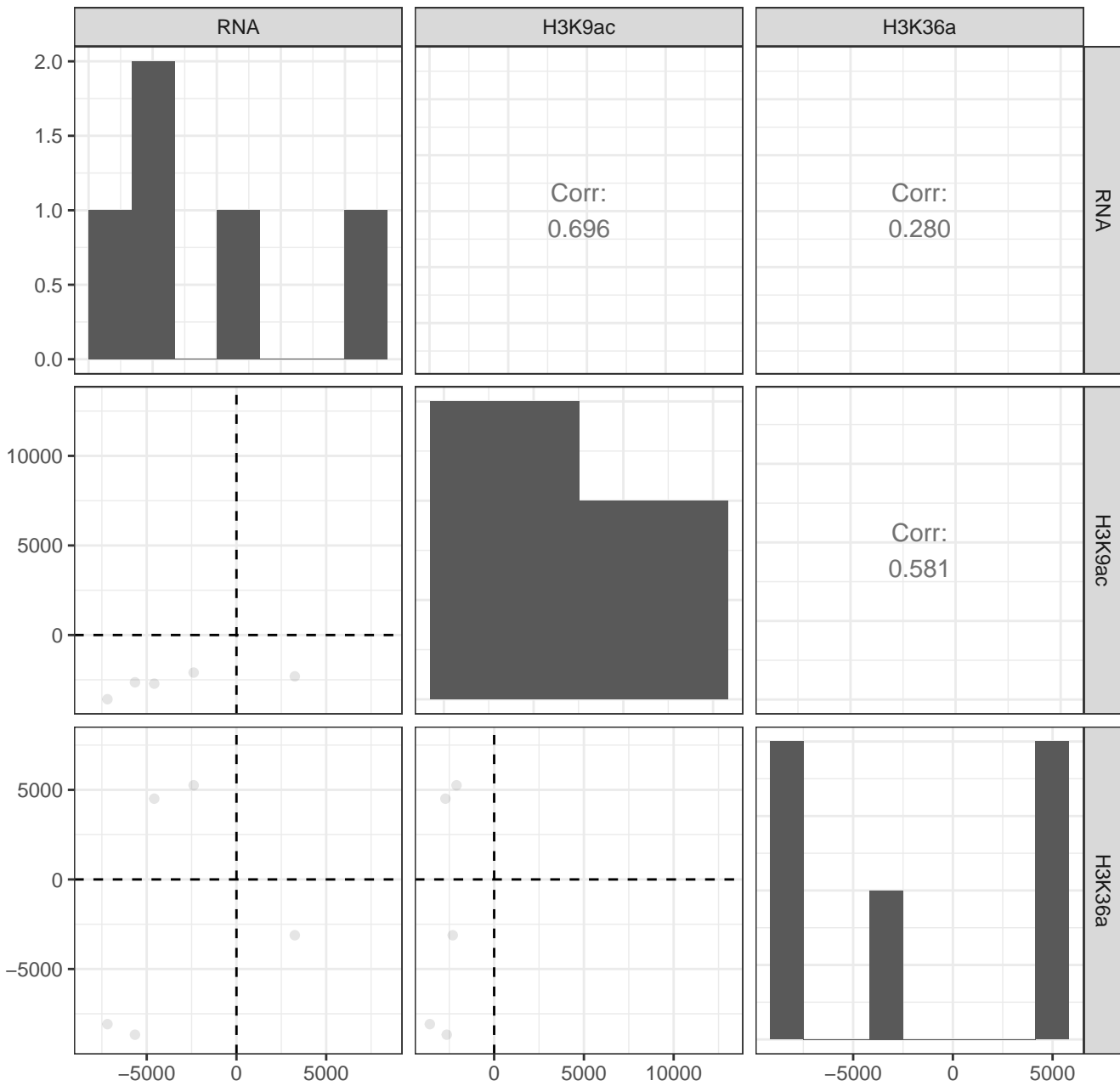
# GOMF CALCIUM DEPENDENT PHOSPHOLIPA



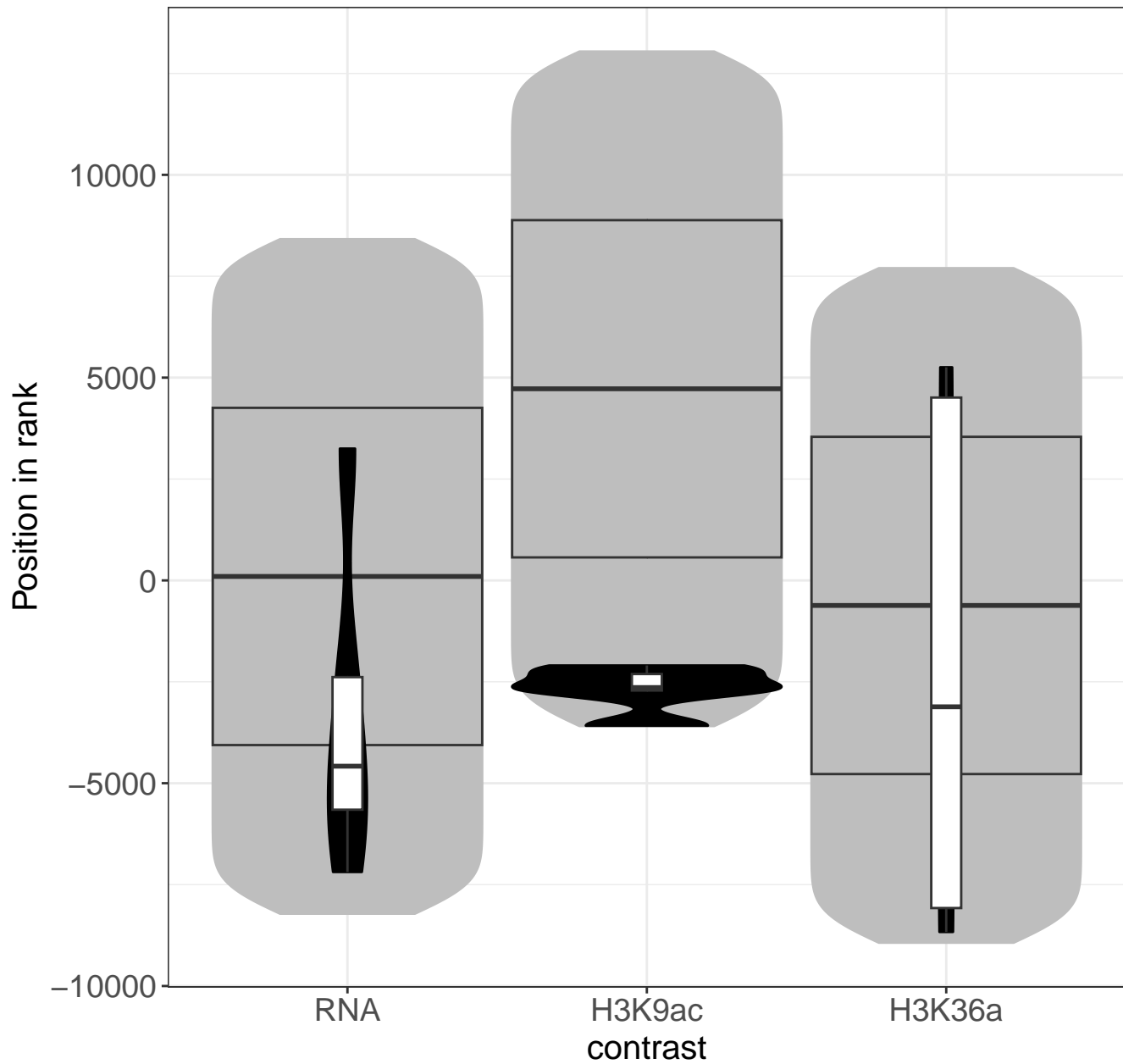
# GOMF GLUTAMATE RECEPTOR ACTIVITY



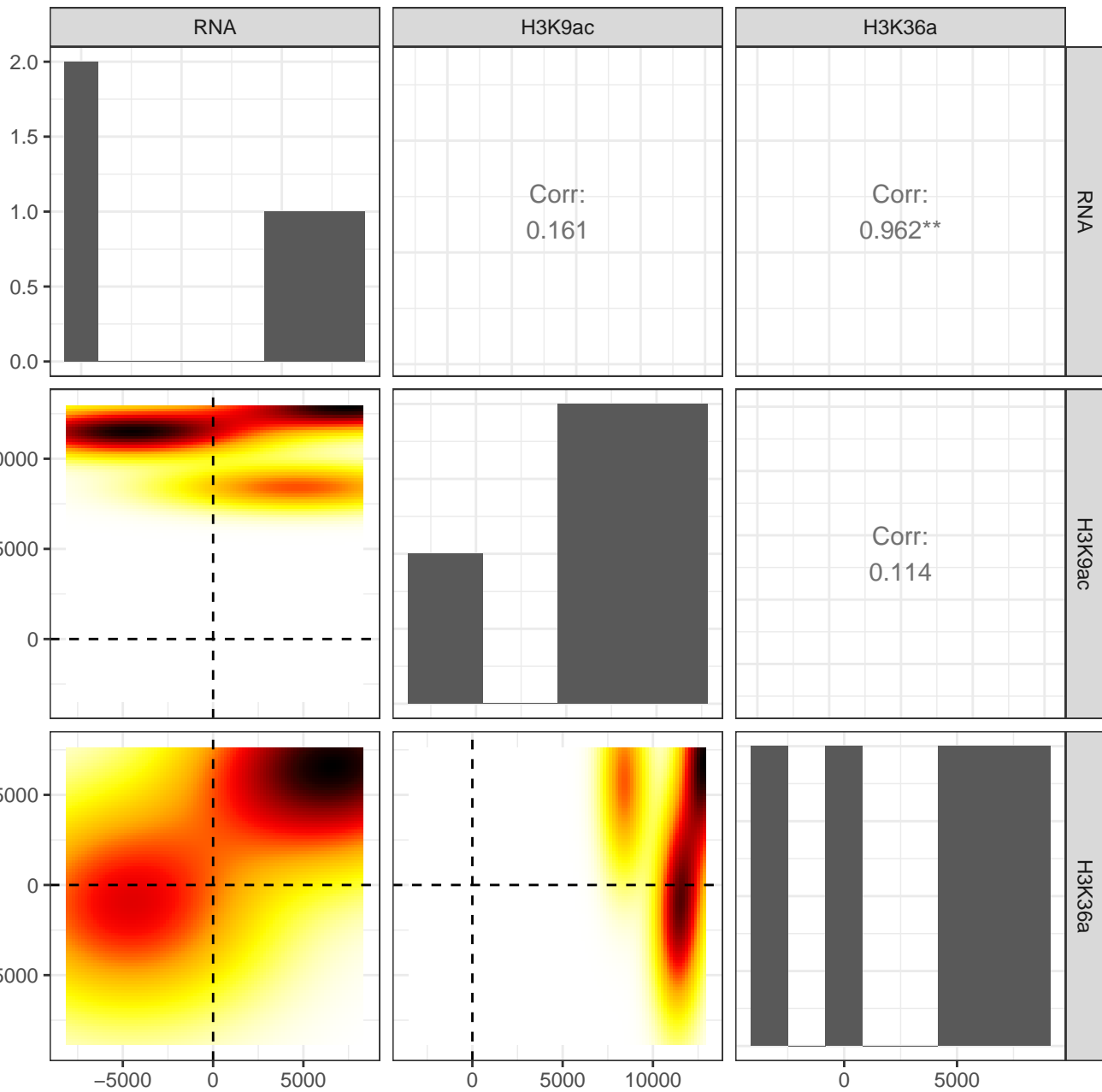
# GOMF GLUTAMATE RECEPTOR ACTIVITY



# GOMF GLUTAMATE RECEPTOR ACTIVITY

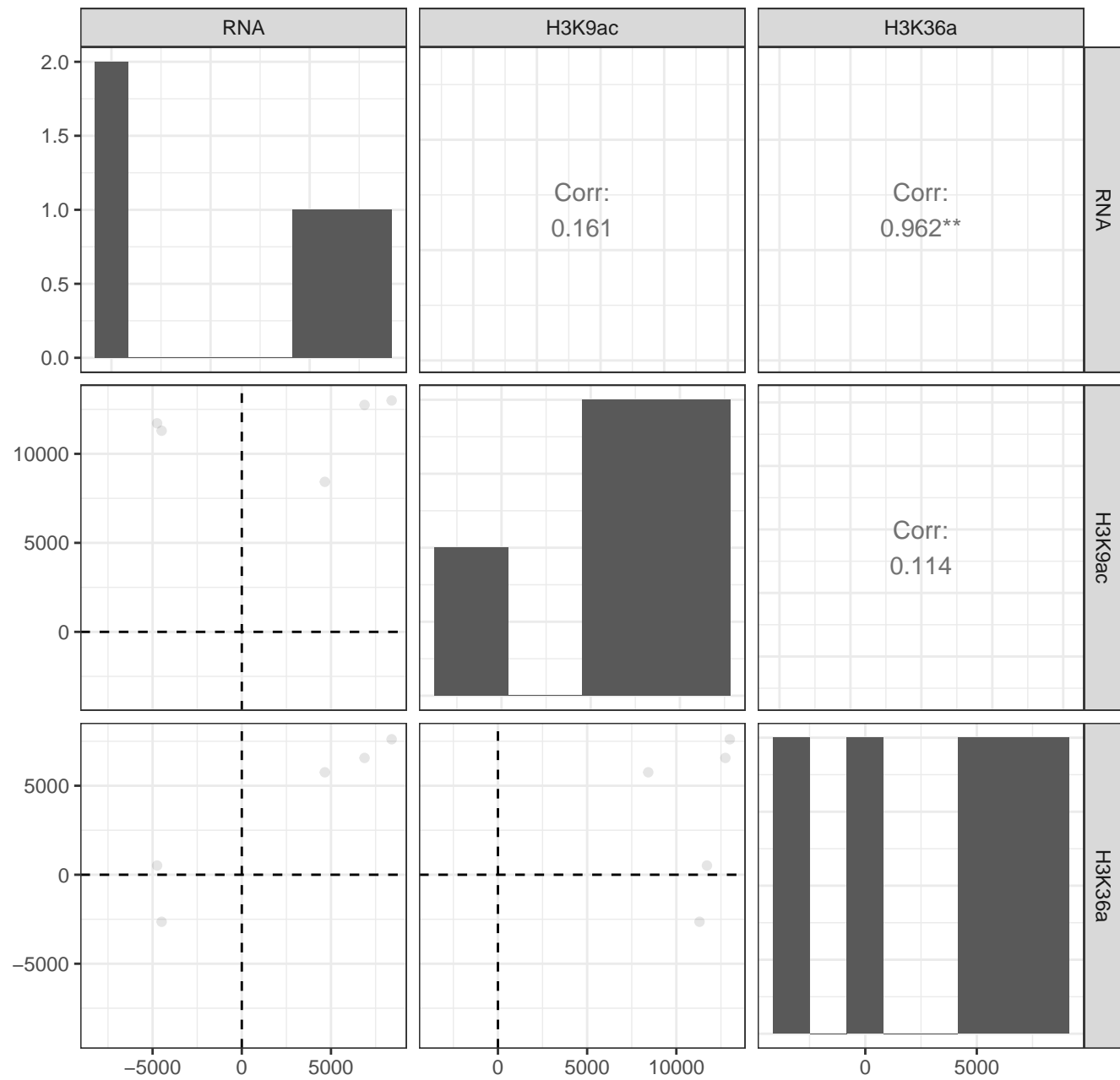


# GOMF BH3 DOMAIN BINDING

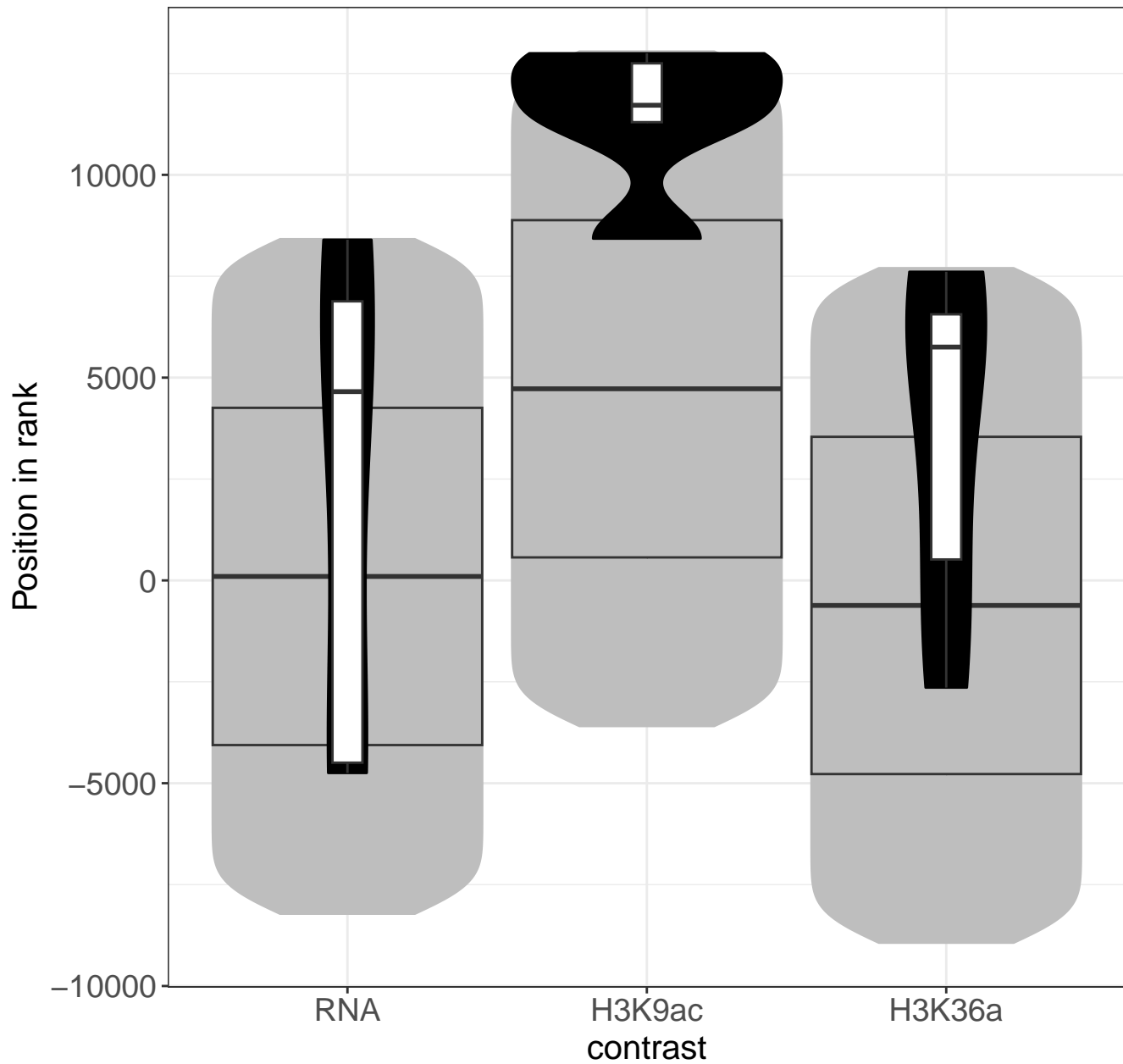




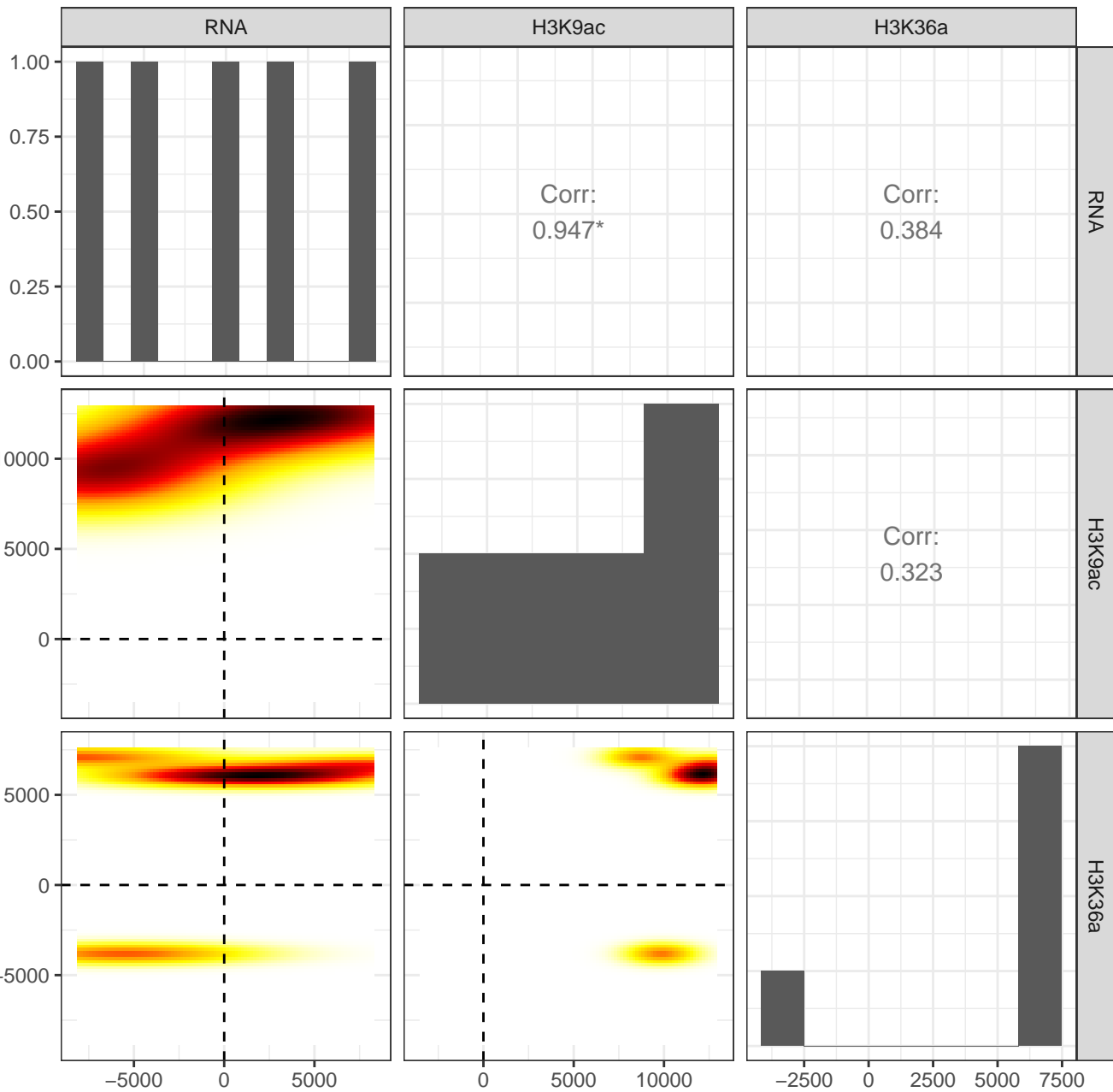
# GOMF BH3 DOMAIN BINDING



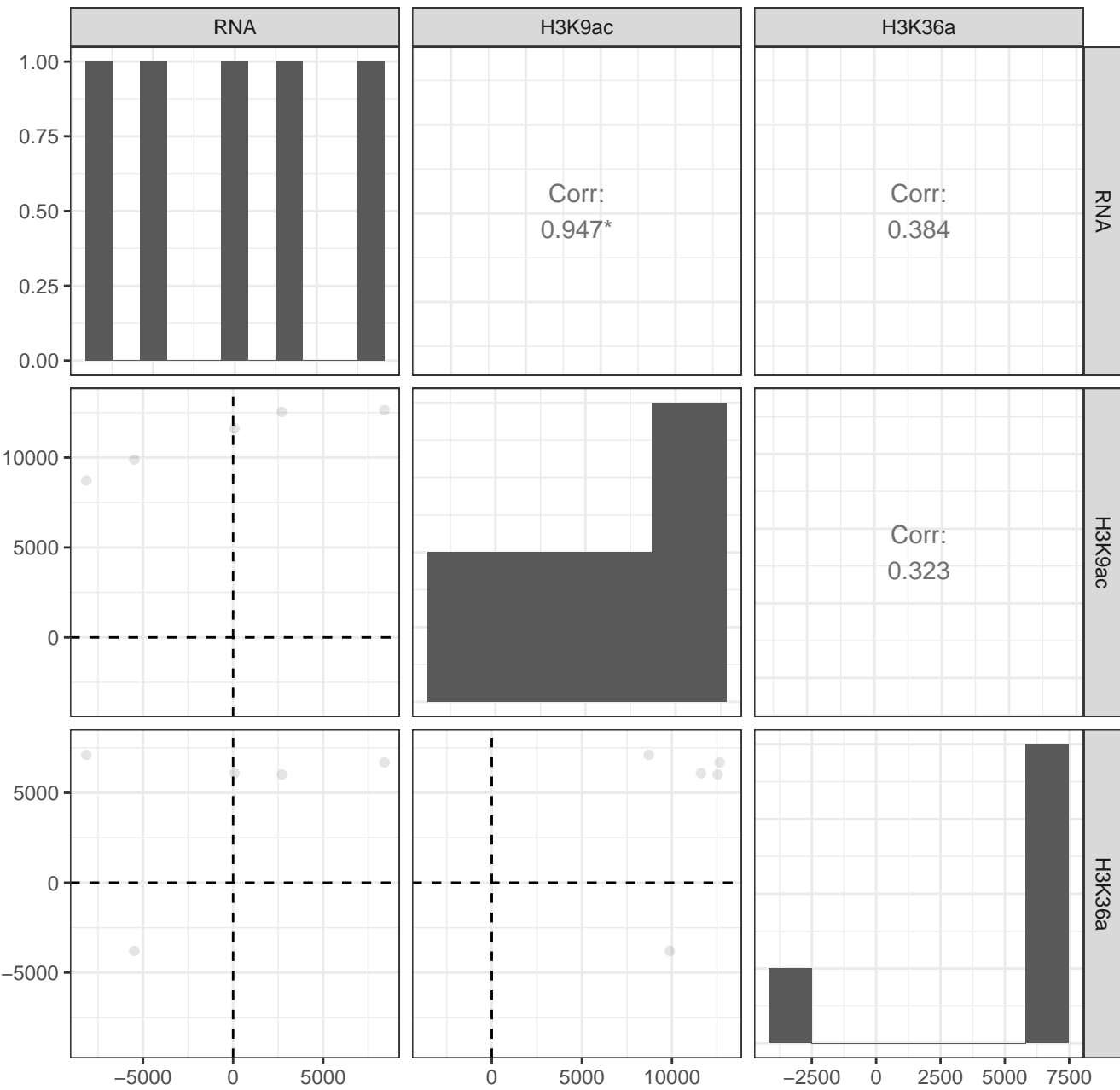
# GOMF BH3 DOMAIN BINDING



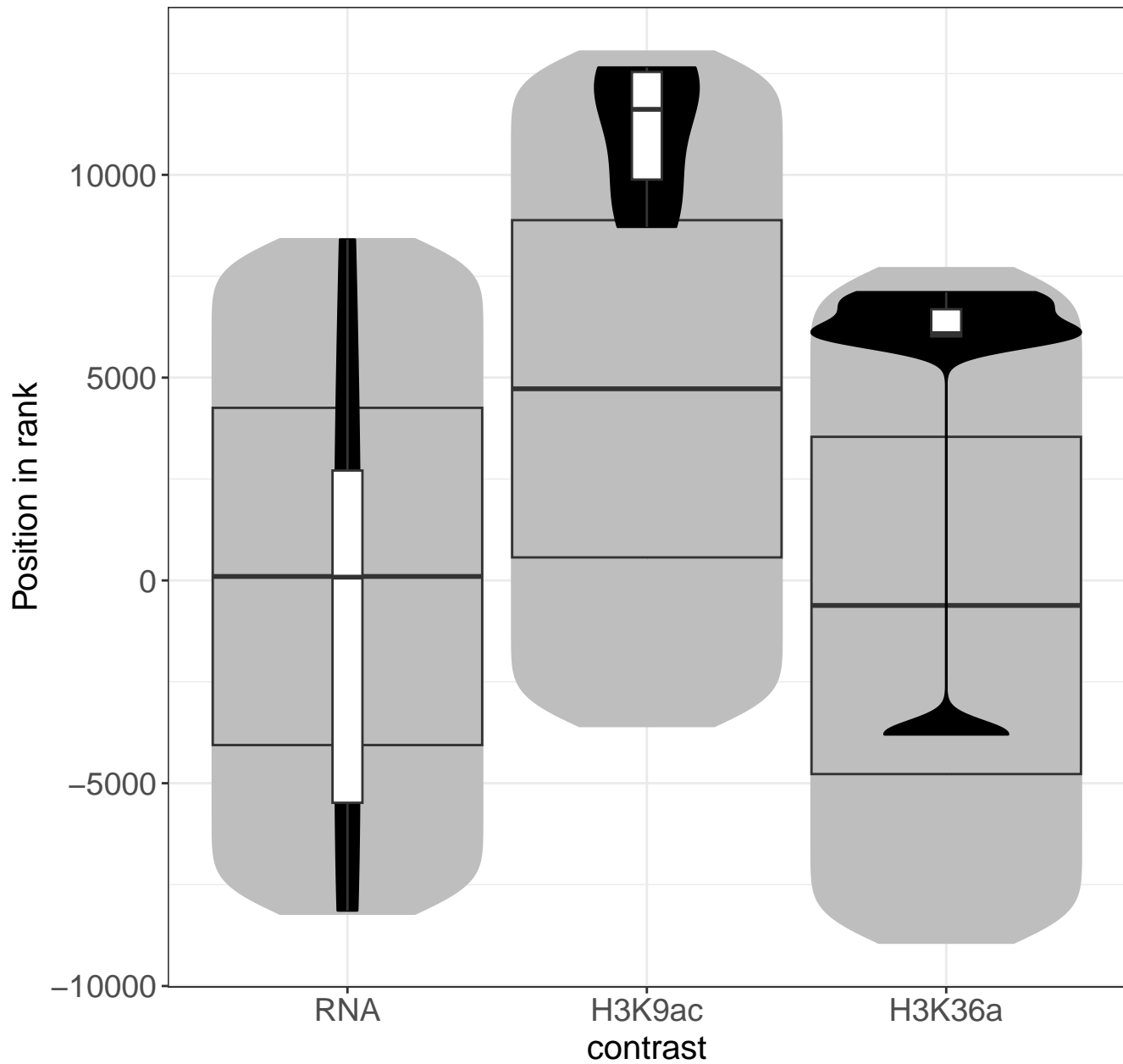
# GOMF TELETHONIN BINDING



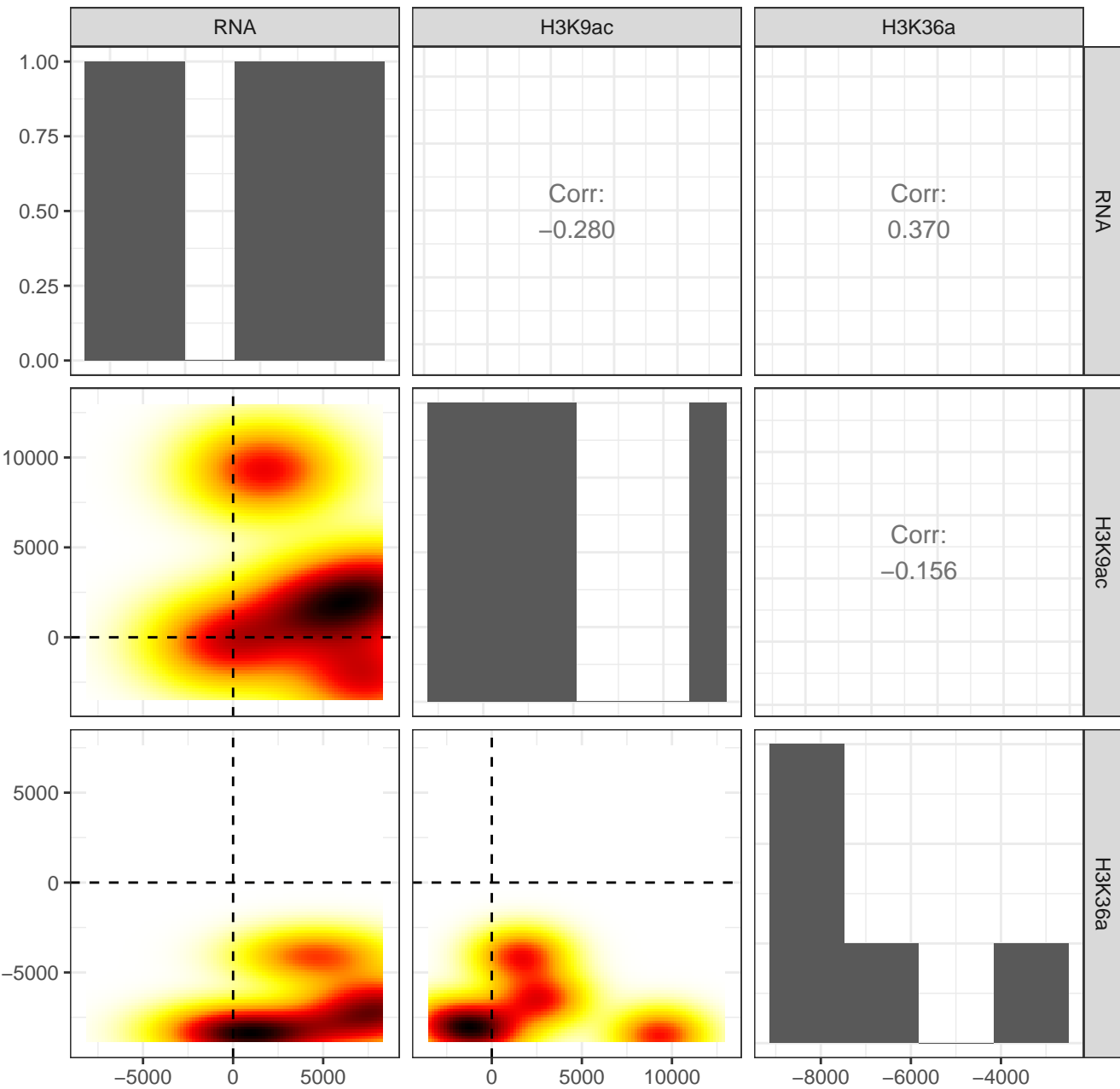
# GOMF TELETHONIN BINDING



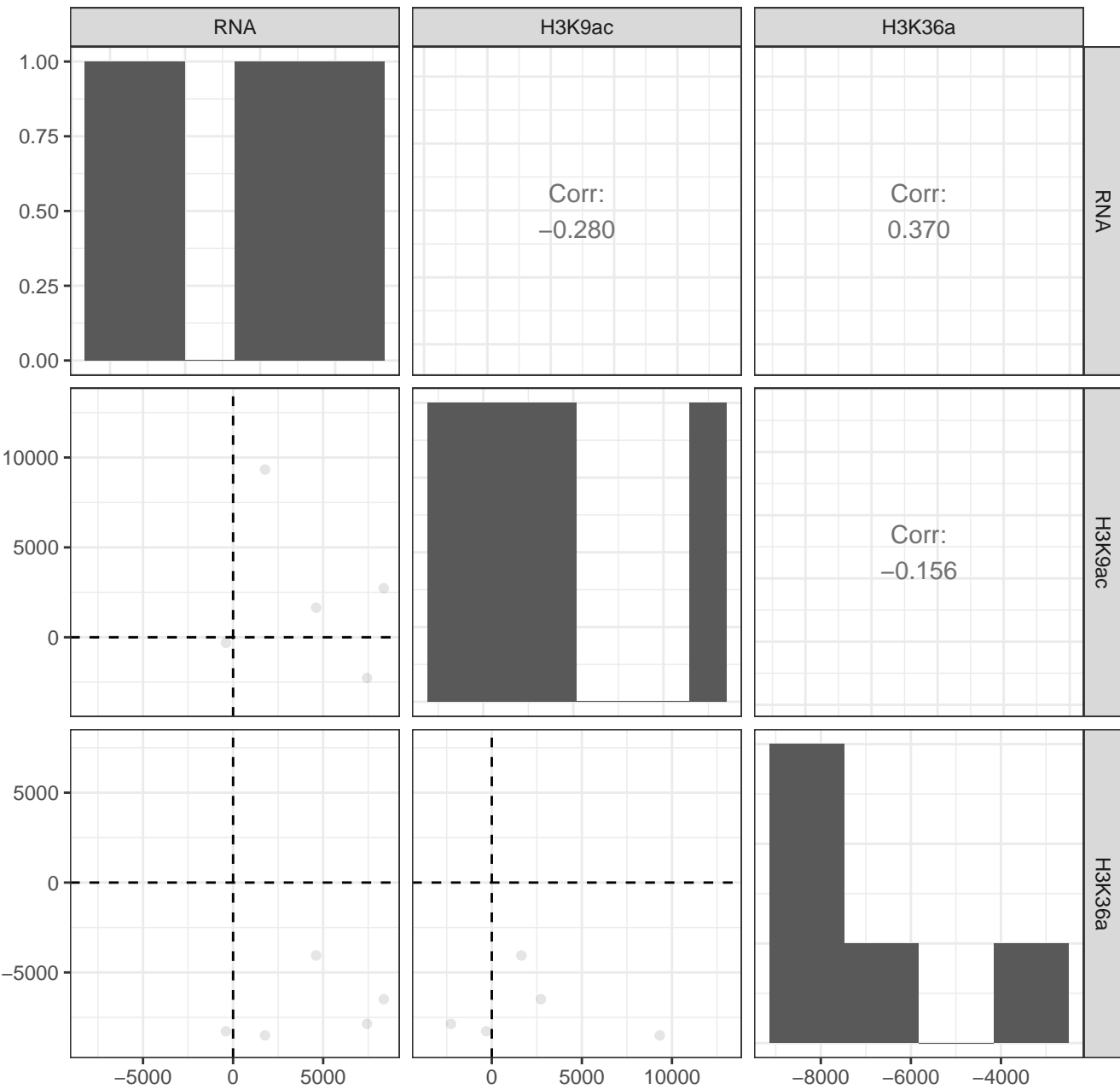
# GOMF TELETHONIN BINDING



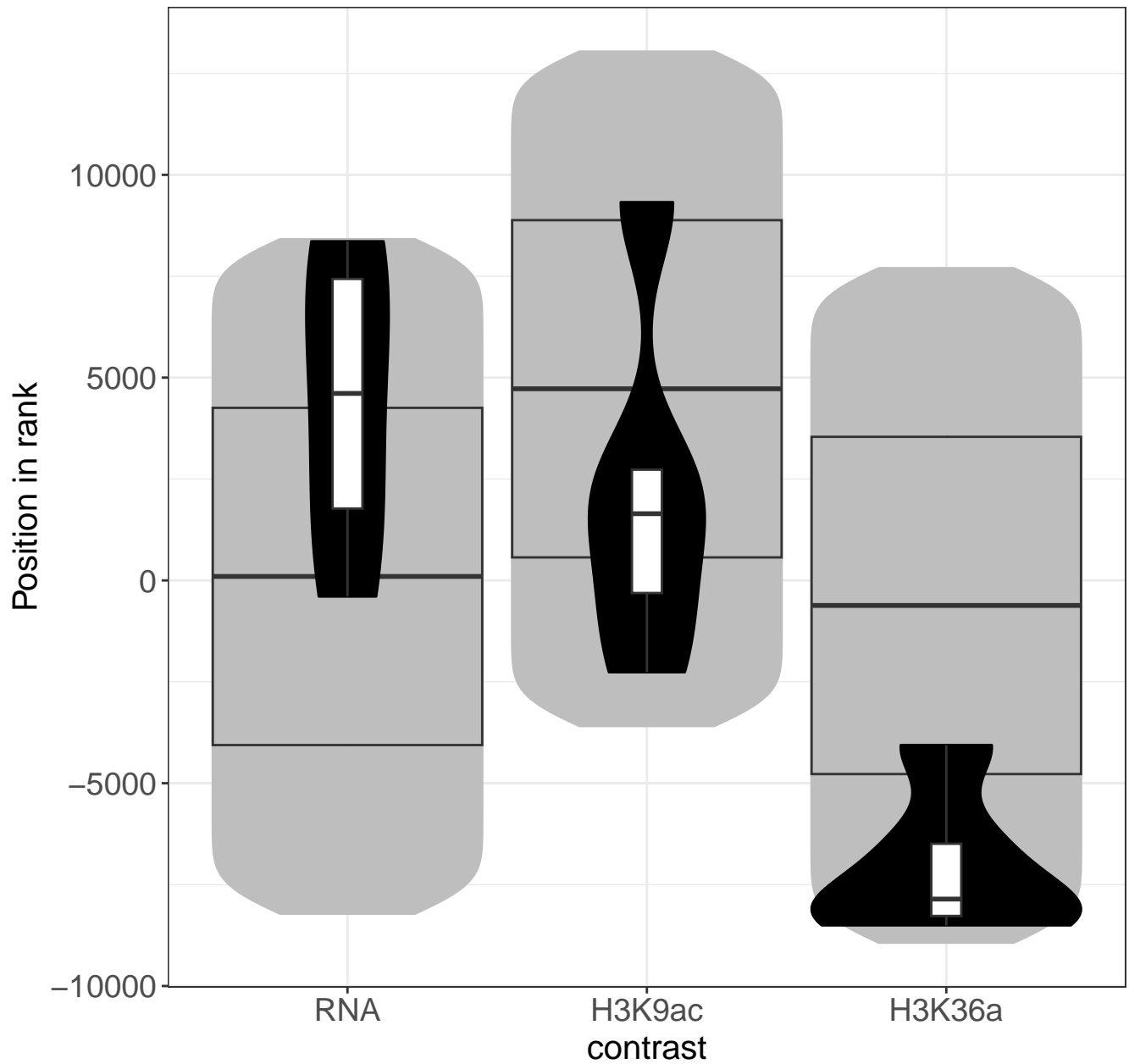
# GOBP NEGATIVE REGULATION OF METALLOPEPTIDASE ACTIVITY



# GOBP NEGATIVE REGULATION OF METALLOPEPTIDASE ACTIVITY

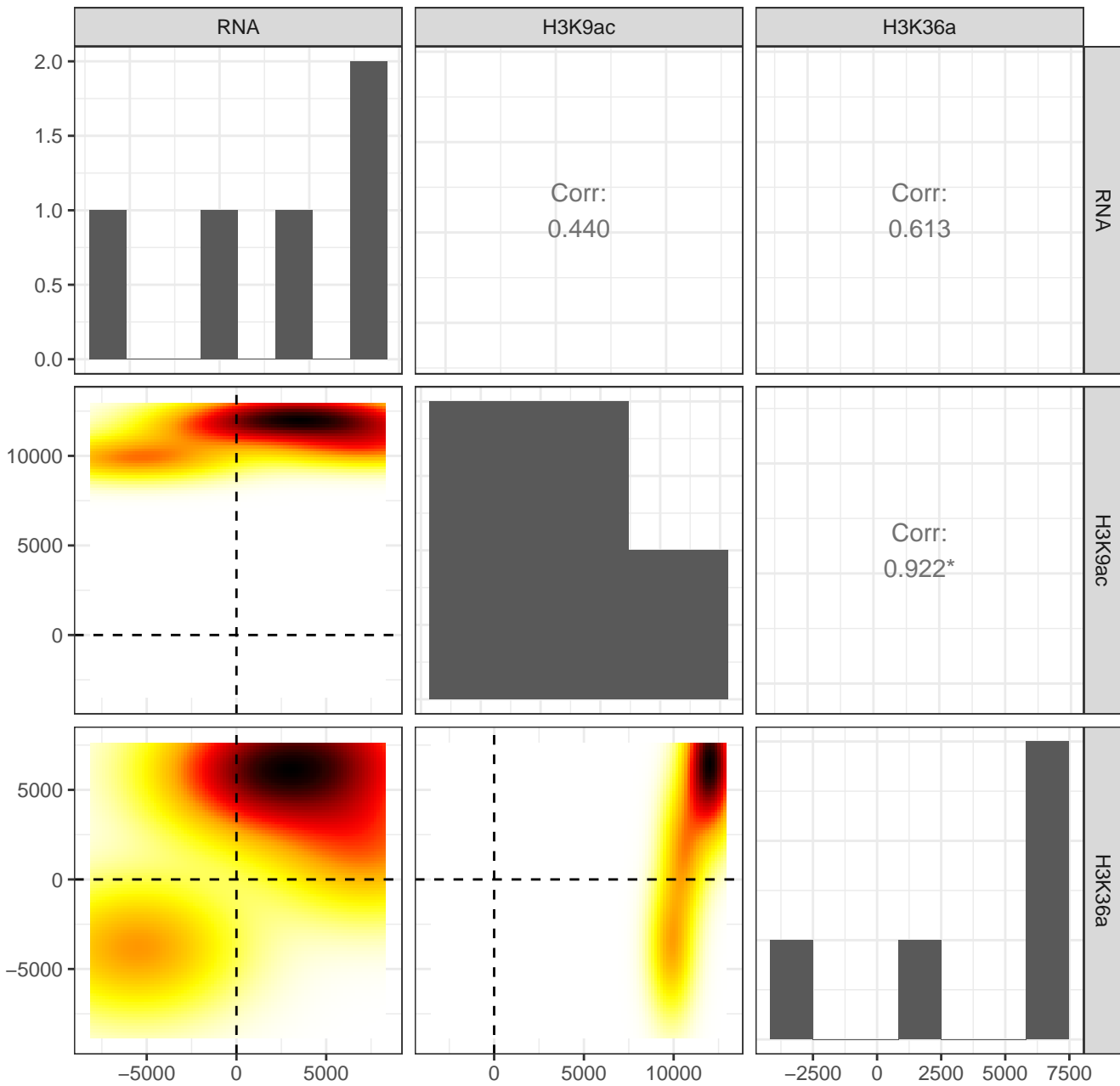


# GOBP NEGATIVE REGULATION OF METALLOP

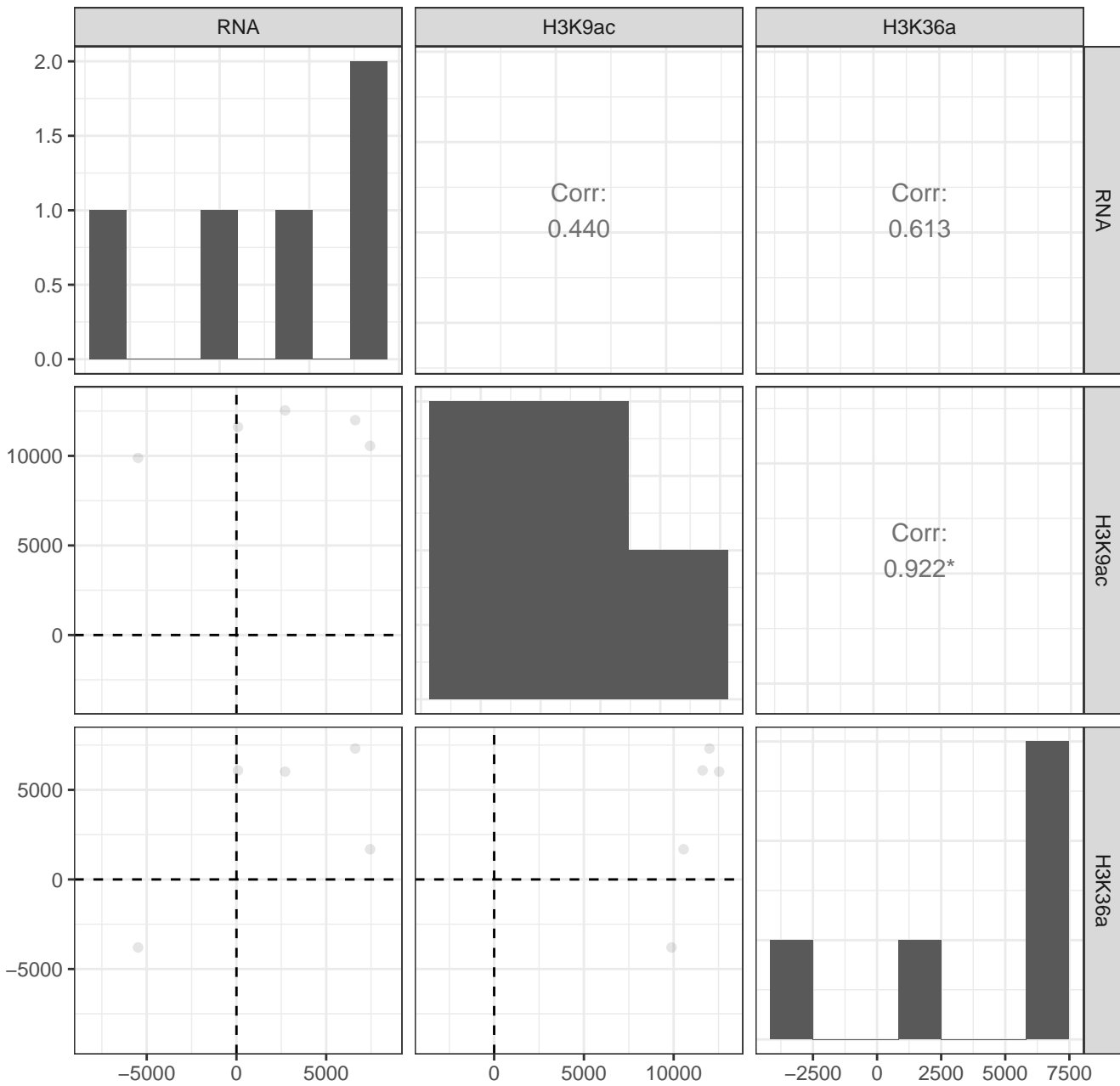




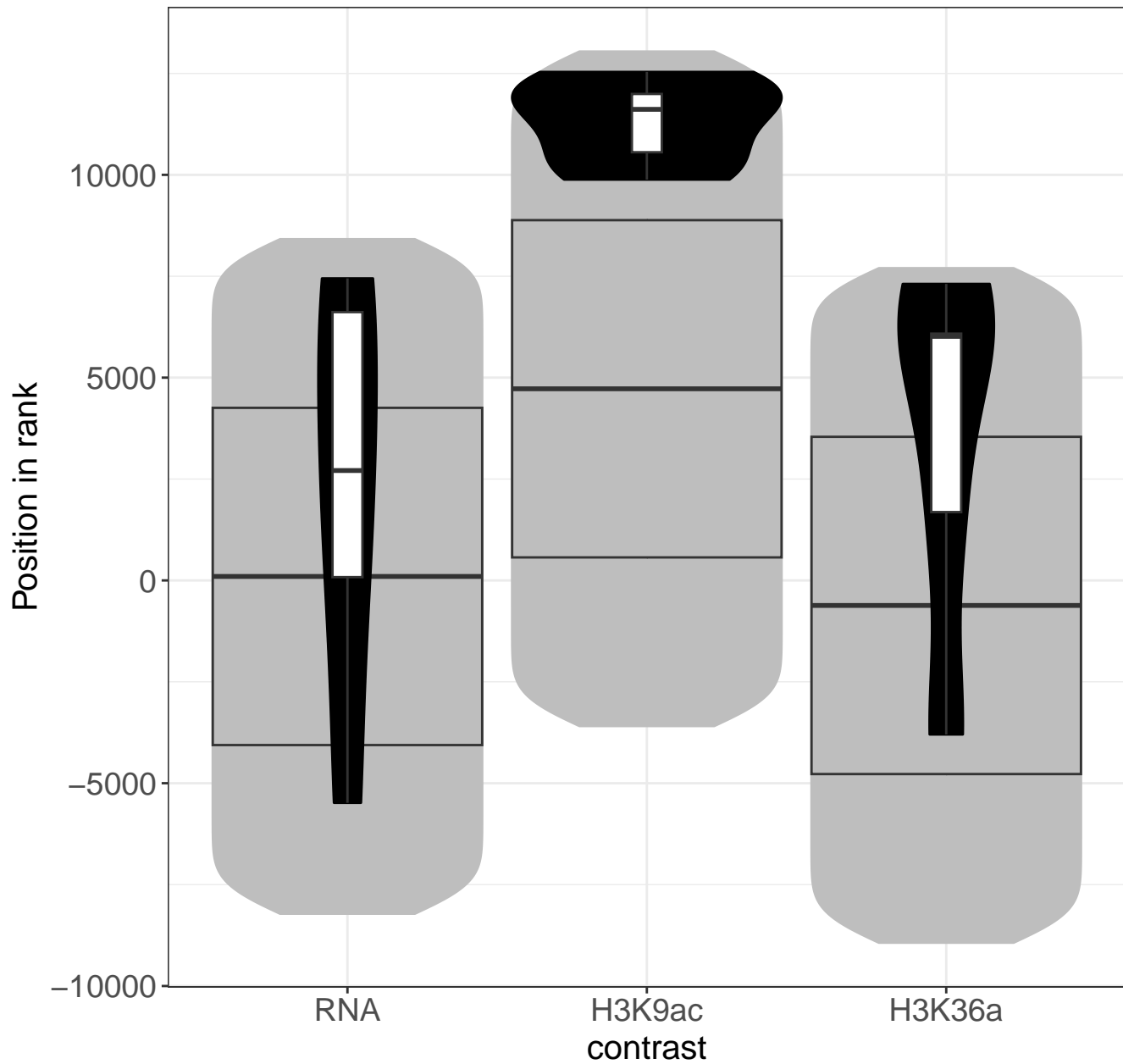
# GOMF FATZ BINDING



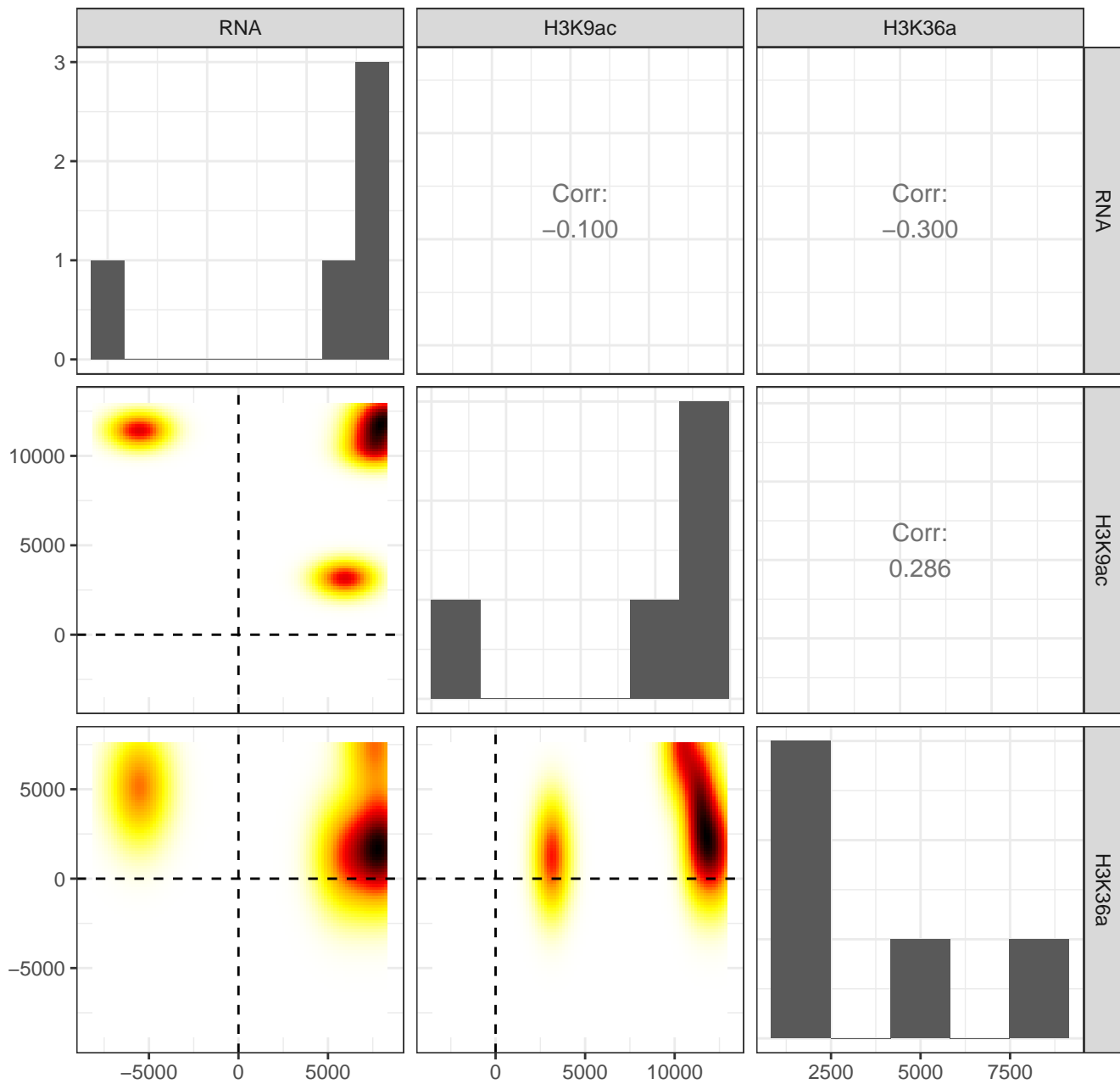
# GOMF FATZ BINDING



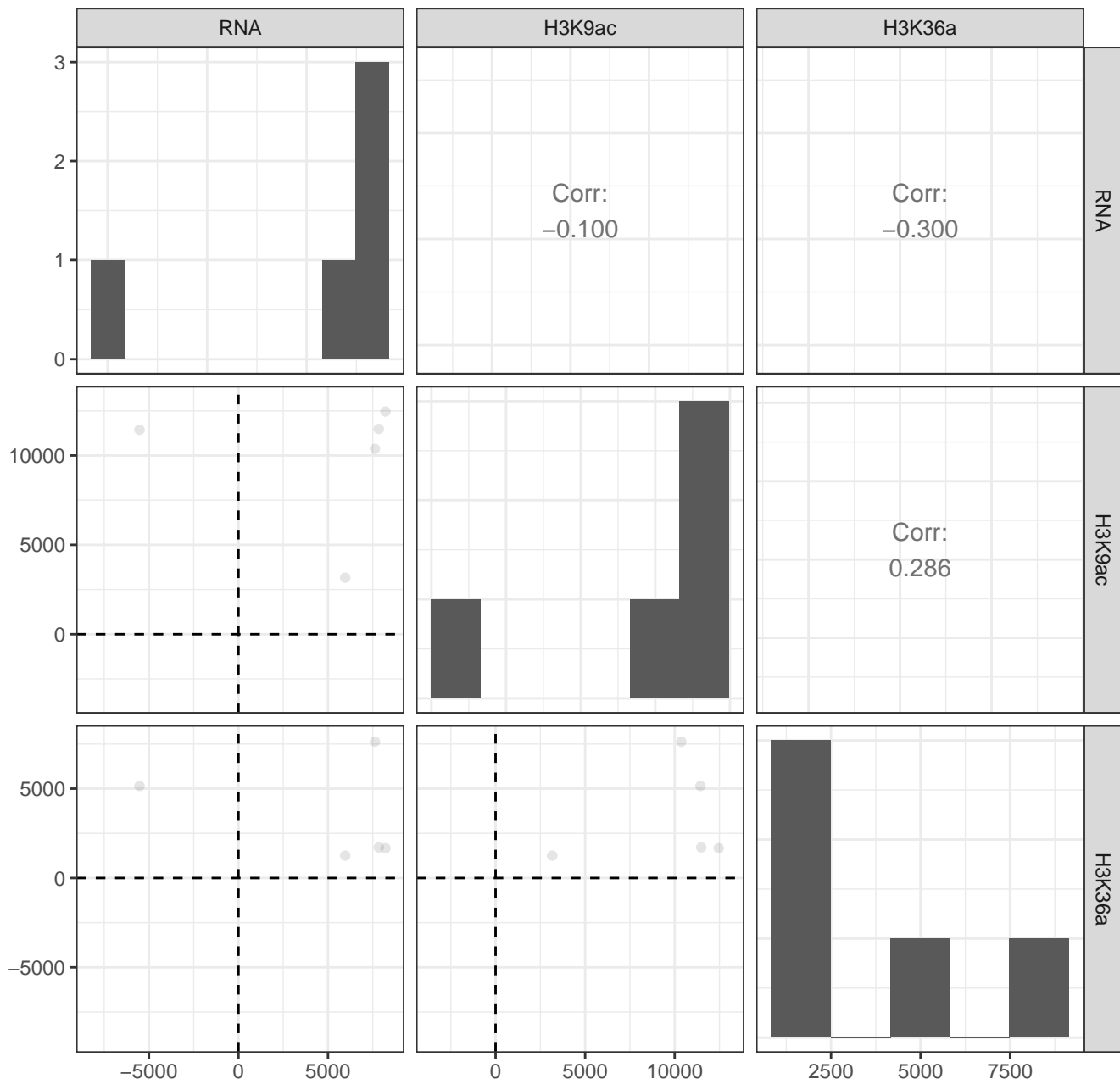
# GOMF FATZ BINDING



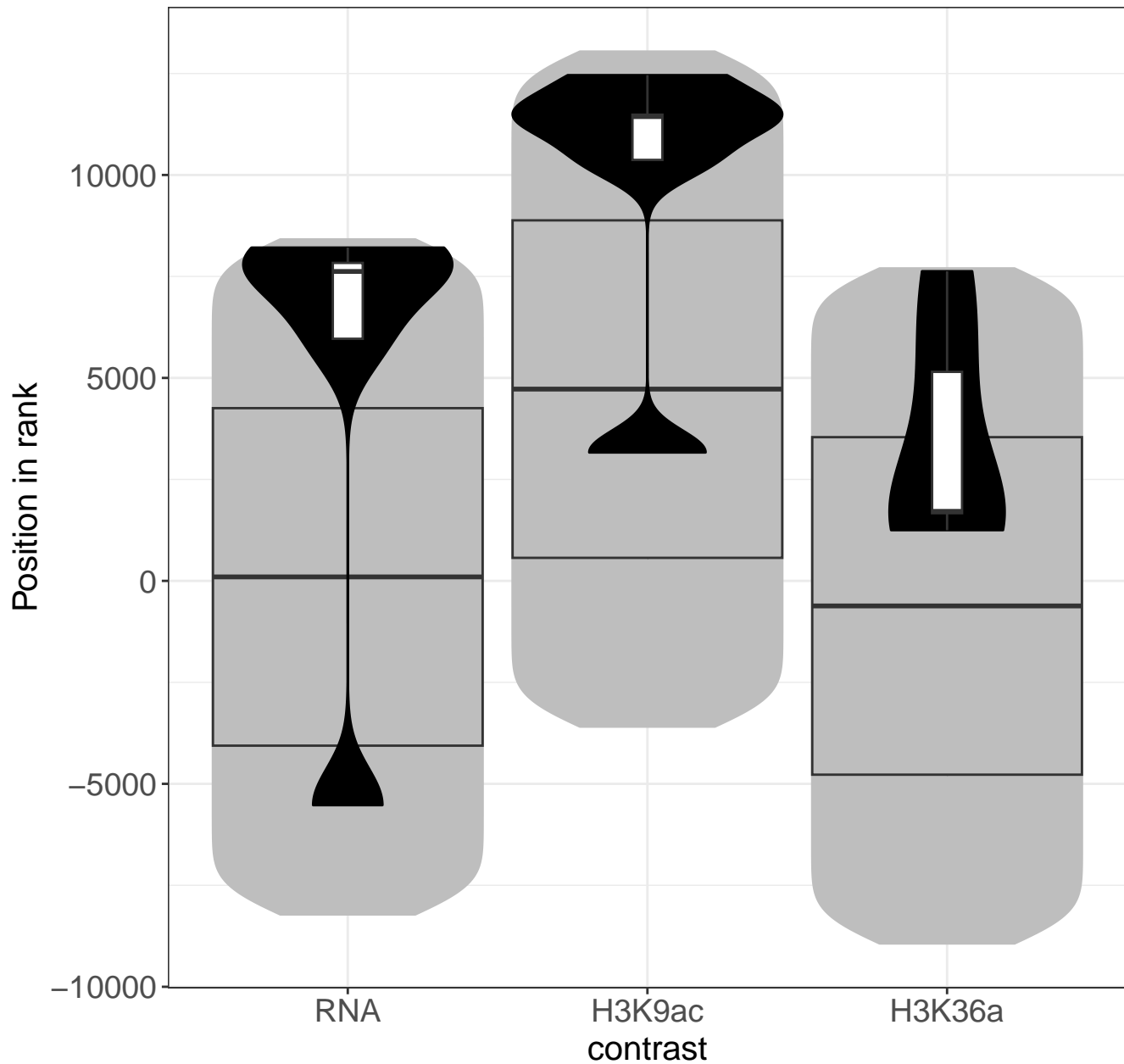
# GOCC CRD MEDIATED MRNA STABILITY COMPLEX



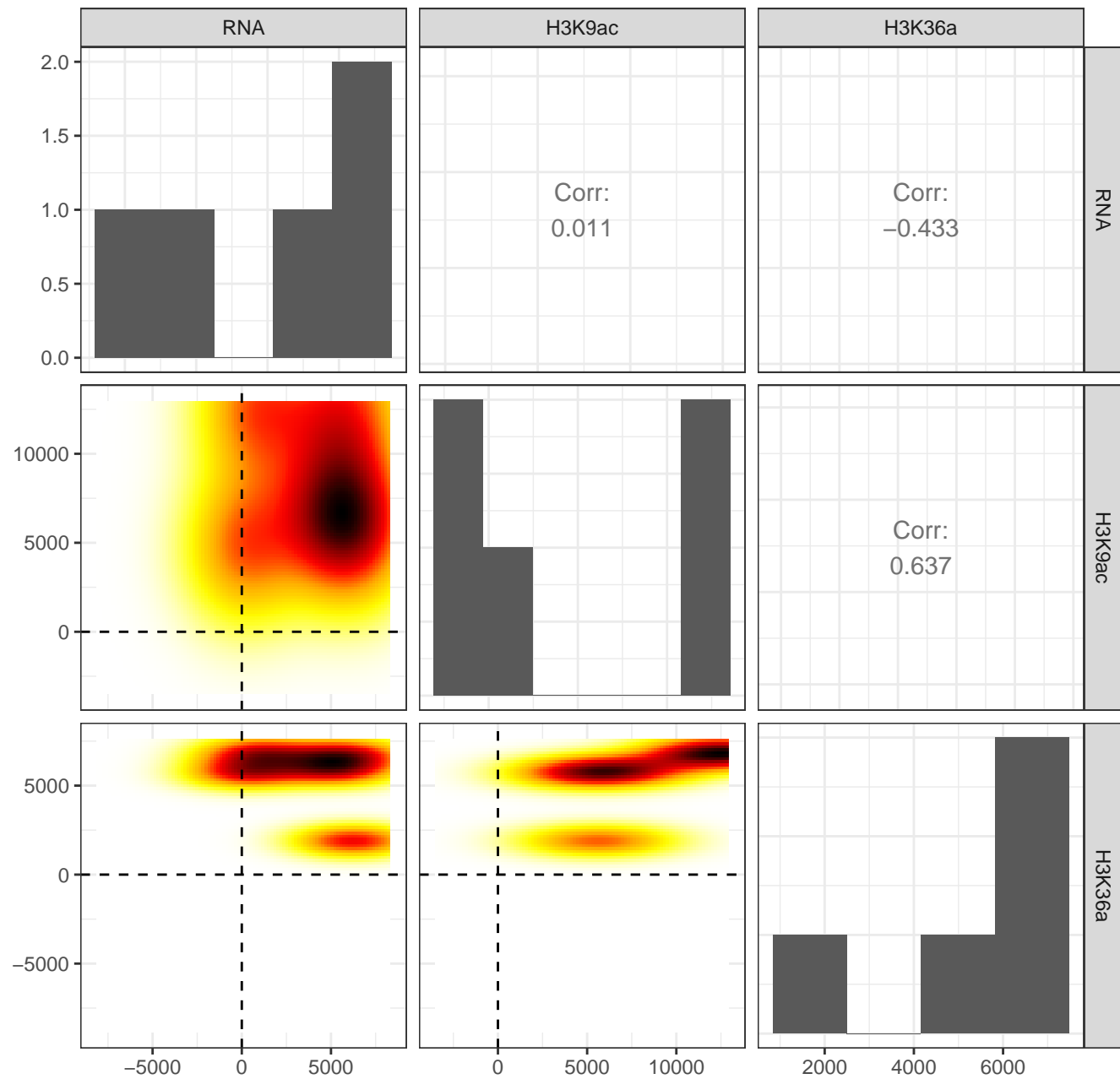
# GOCC CRD MEDIATED MRNA STABILITY COMPLEX



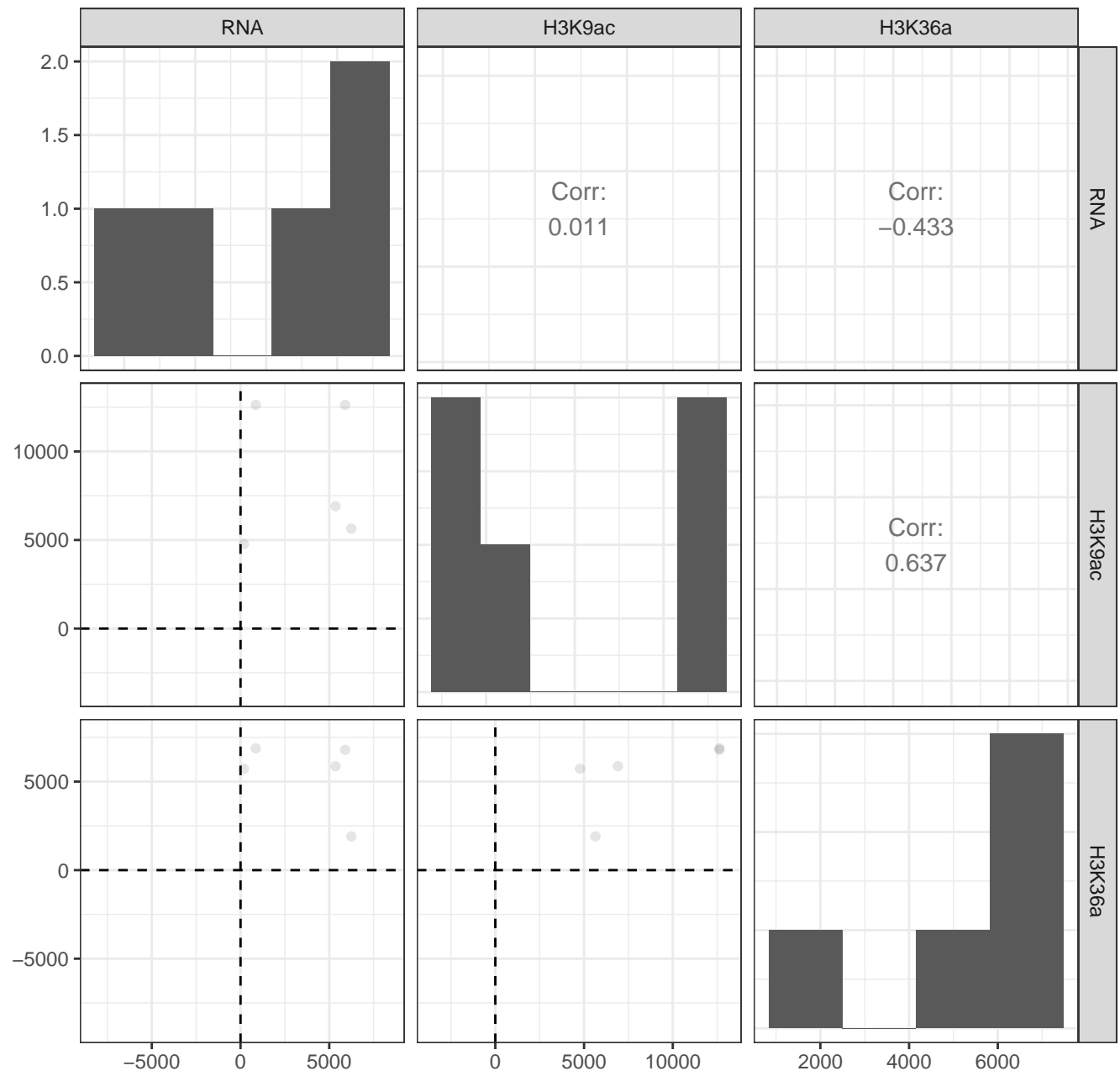
# GOCC CRD MEDIATED MRNA STABILITY COM



# GOBP POSITIVE REGULATION OF CALCIUM ION IMPORT ACROSS PLASMA

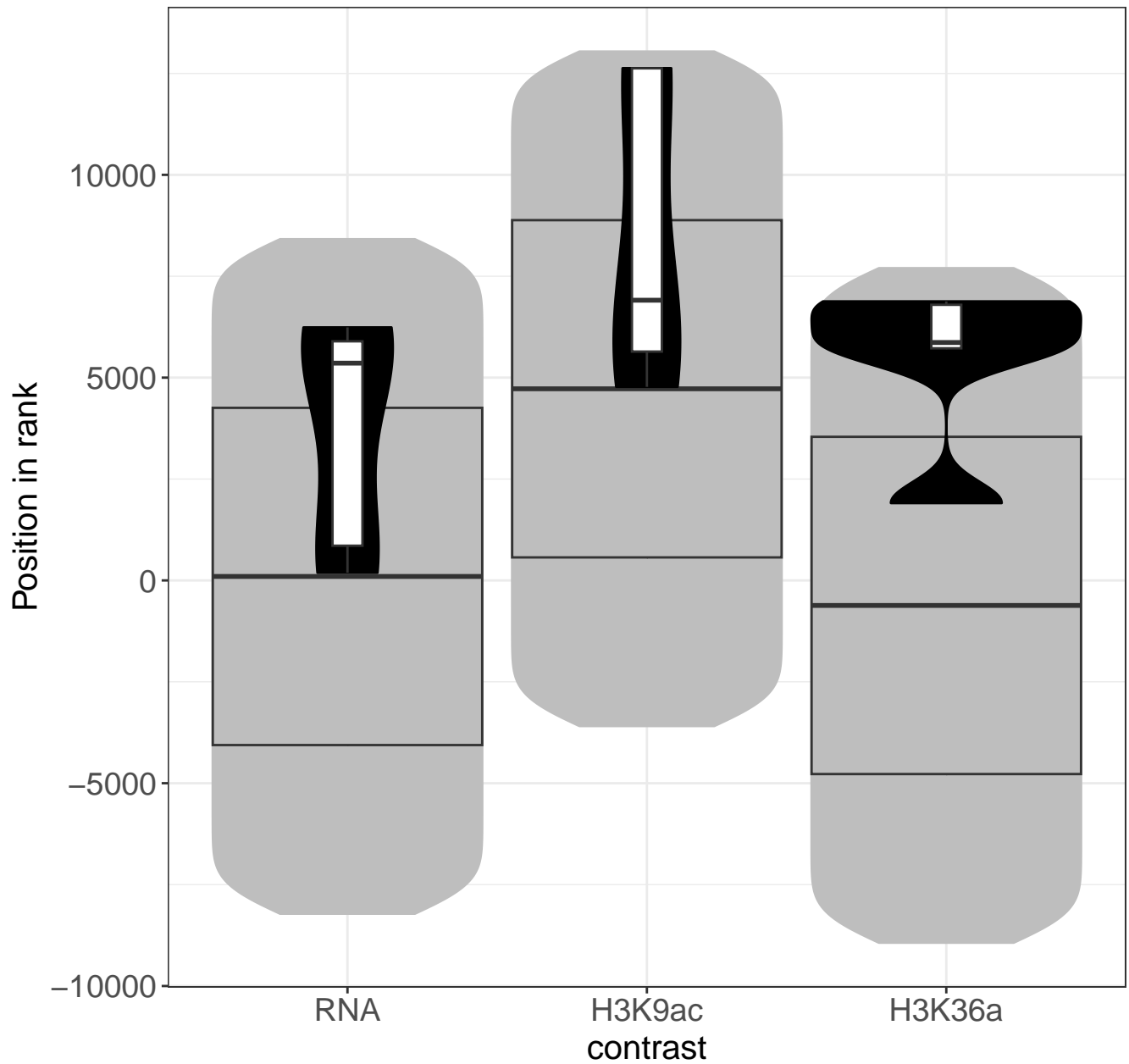


# GOBP POSITIVE REGULATION OF CALCIUM ION IMPORT ACROSS PLASMA

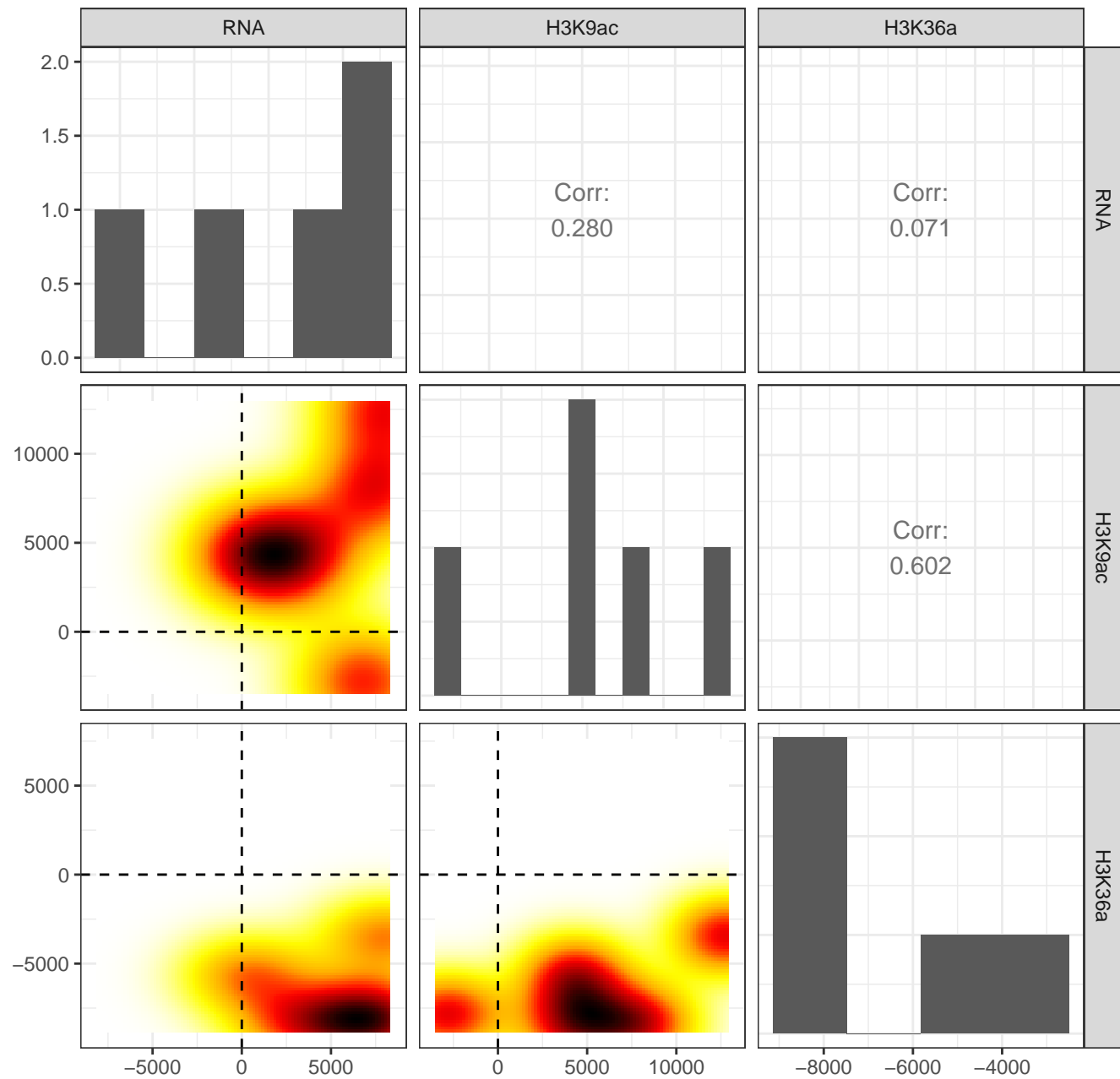




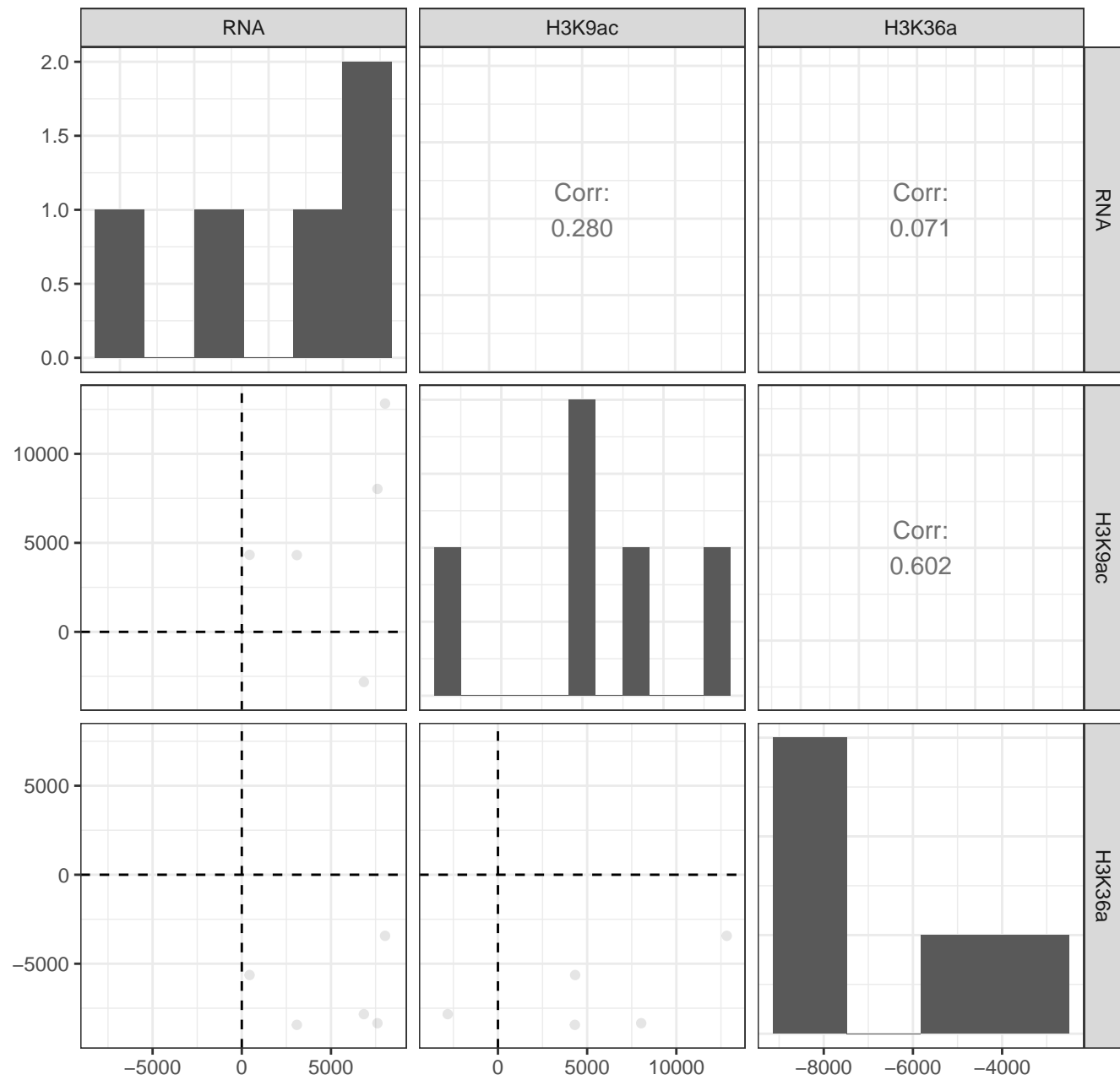
# GOBP POSITIVE REGULATION OF CALCIUM I



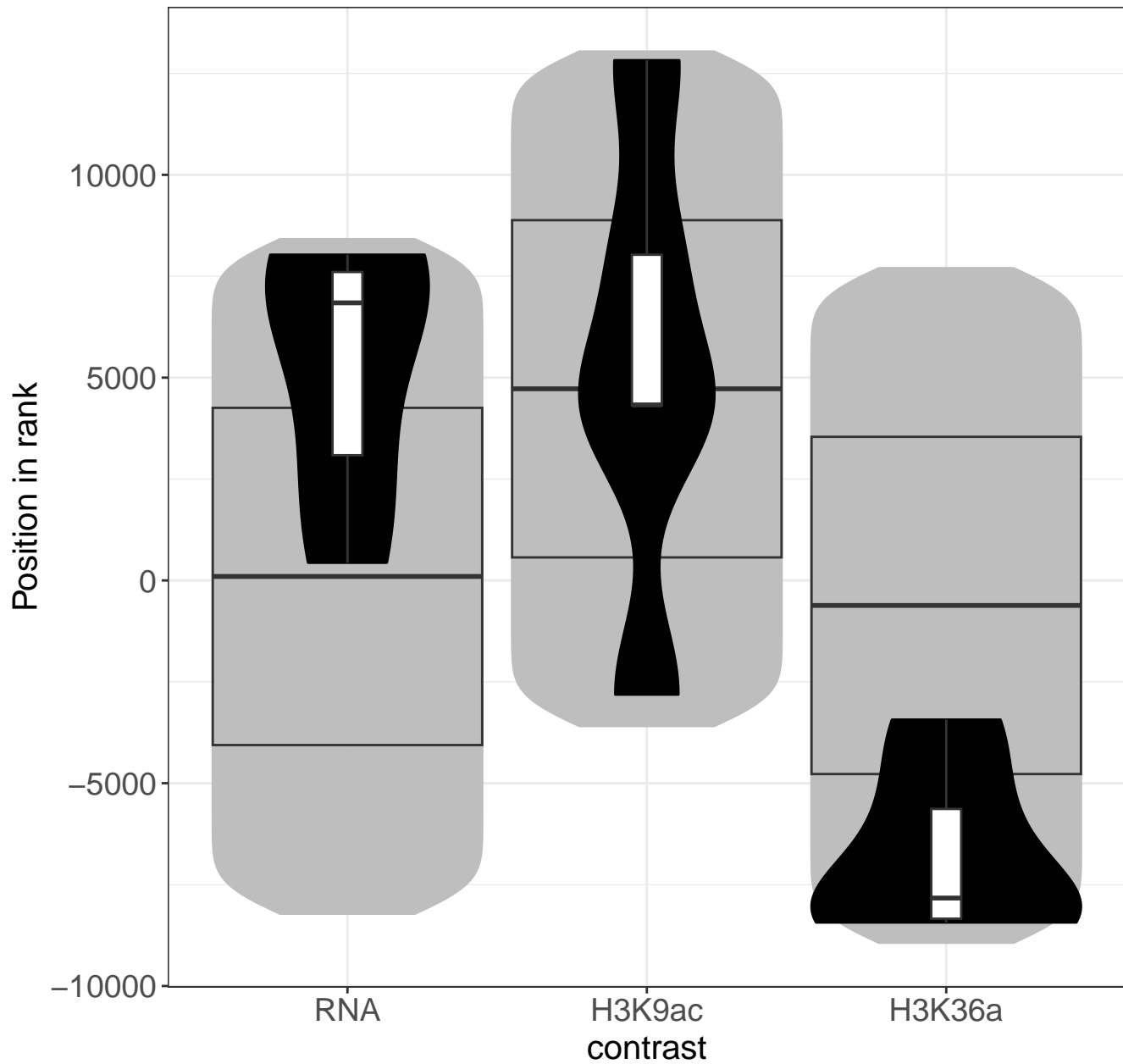
# GOBP TELENCEPHALON REGIONALIZATION



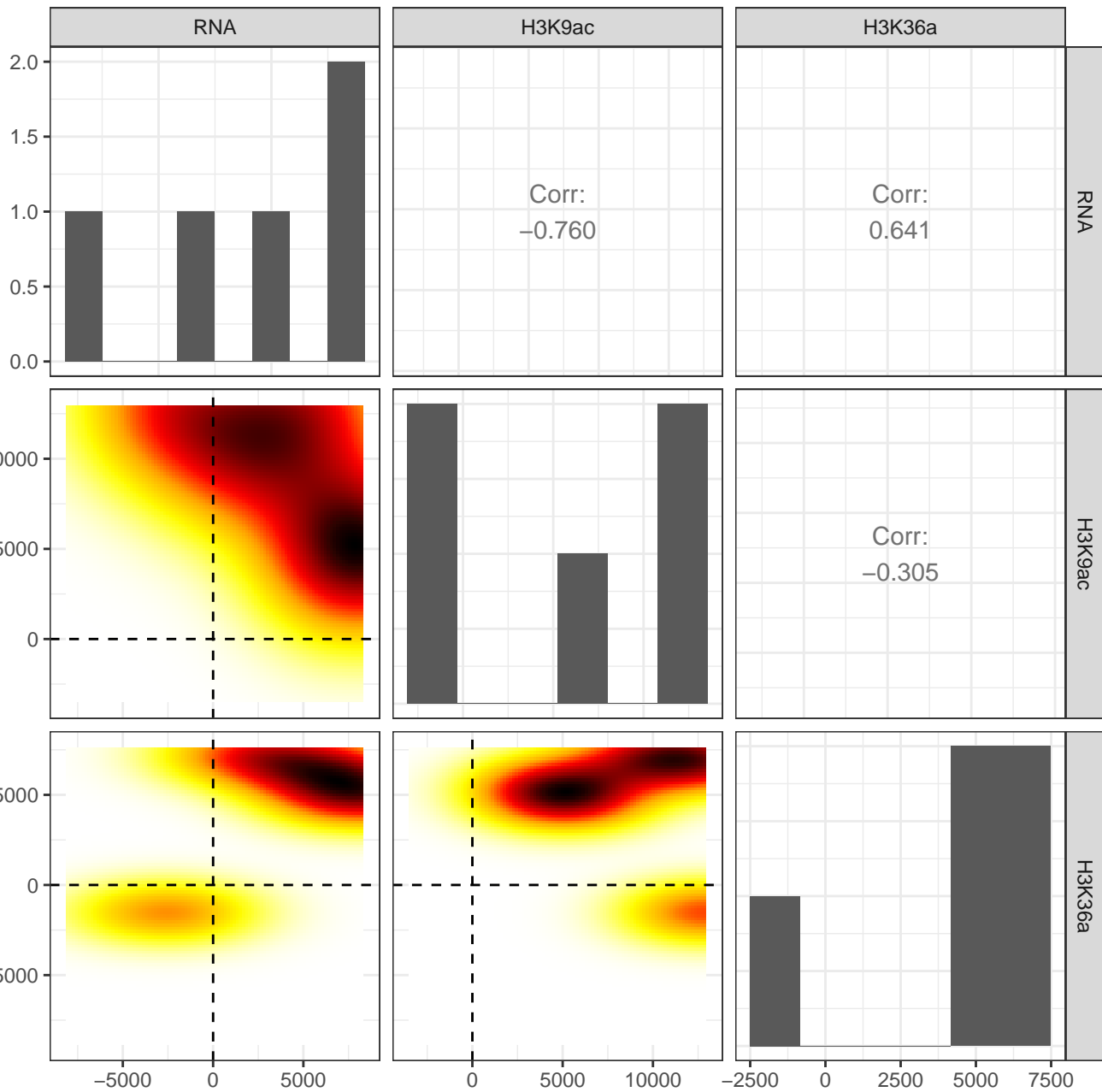
# GOBP TELENCEPHALON REGIONALIZATION



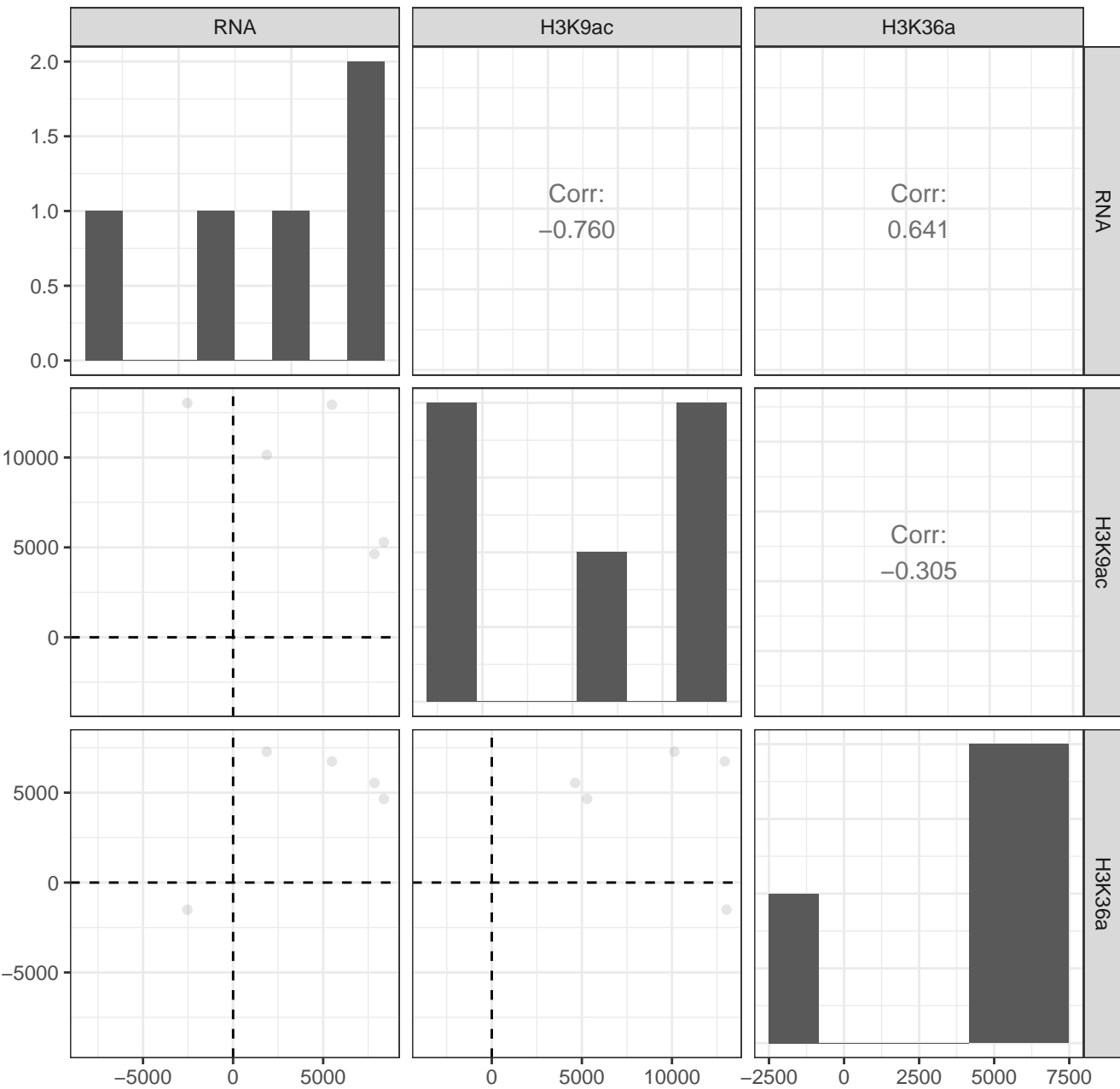
# GOBP TELENCEPHALON REGIONALIZATION



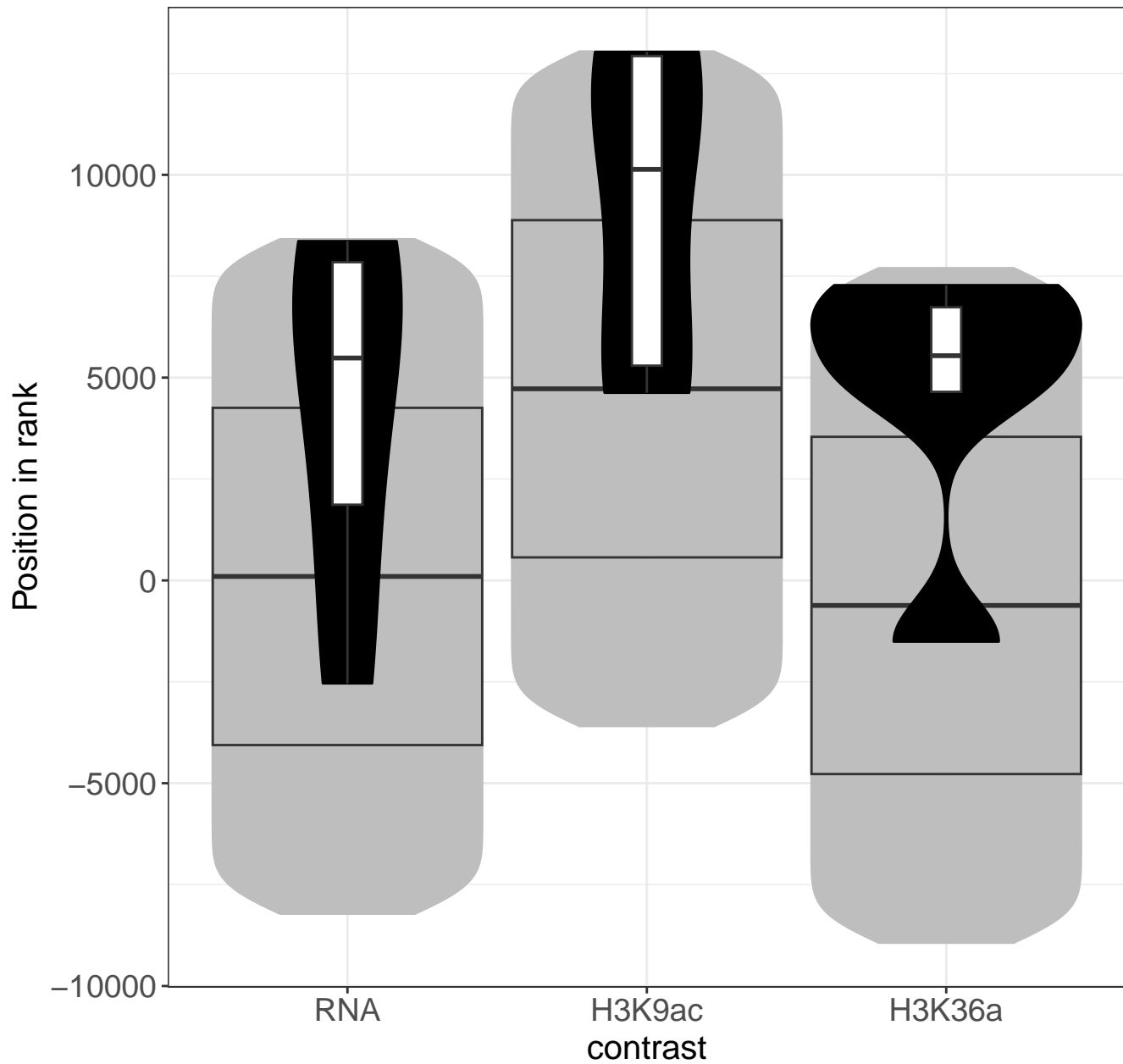
# GOBP REGULATION OF RELAXATION OF CARDIAC MUSCLE



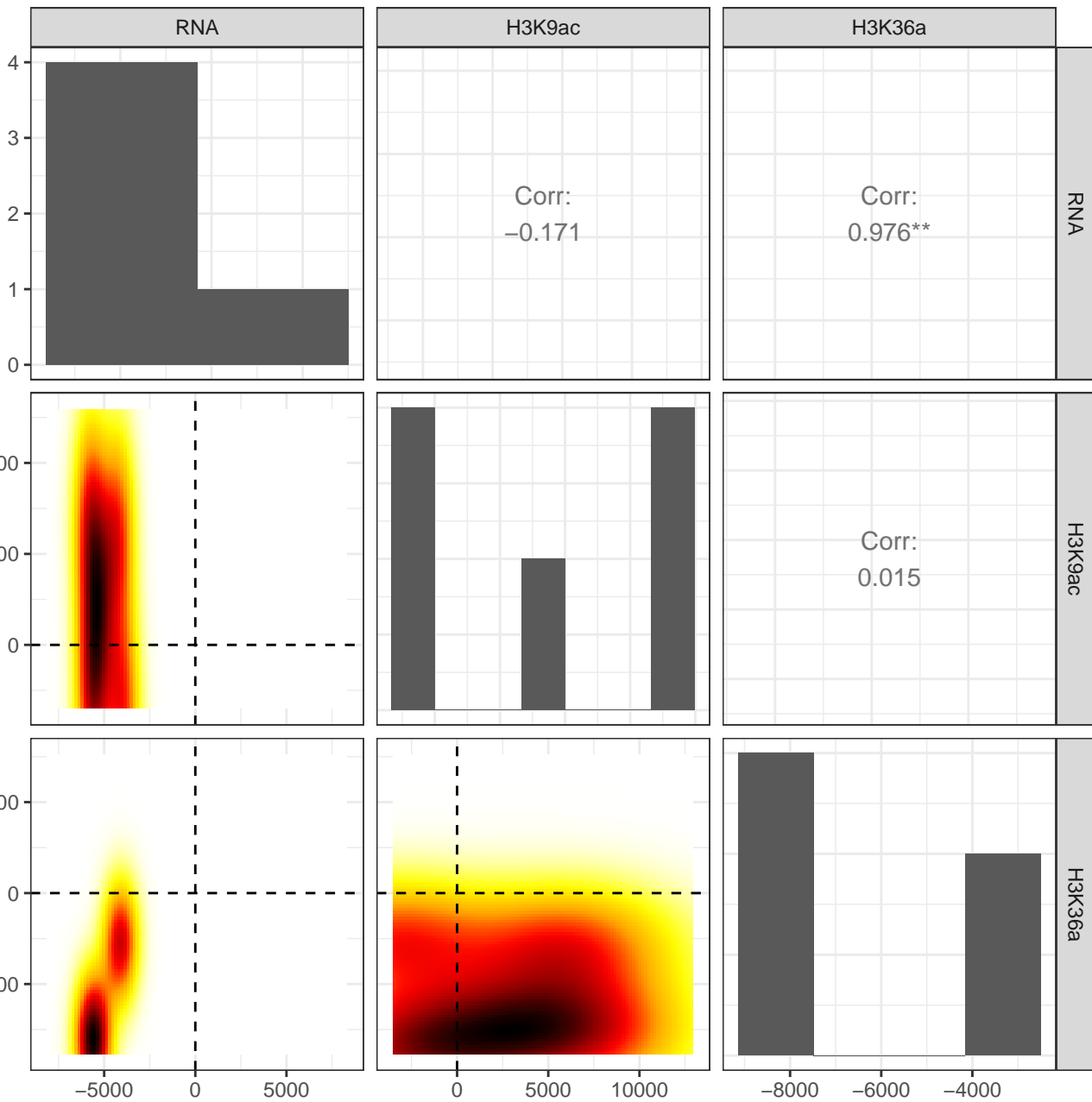
# GOBP REGULATION OF RELAXATION OF CARDIAC MUSCLE



# GOBP REGULATION OF RELAXATION OF CAR

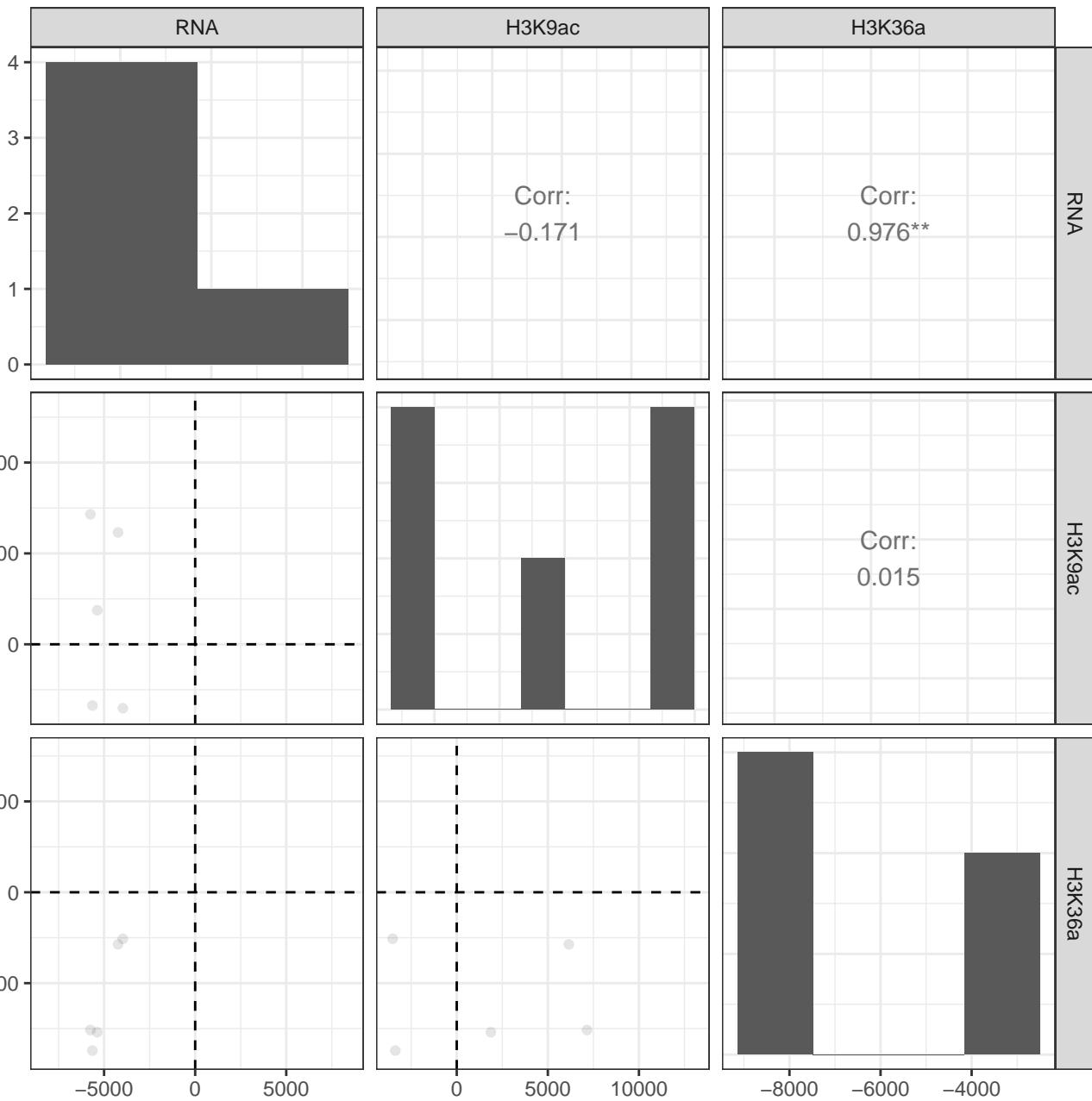


# GOCC ATP BINDING CASSETTE ABC TRANSPORTER COMPLEX

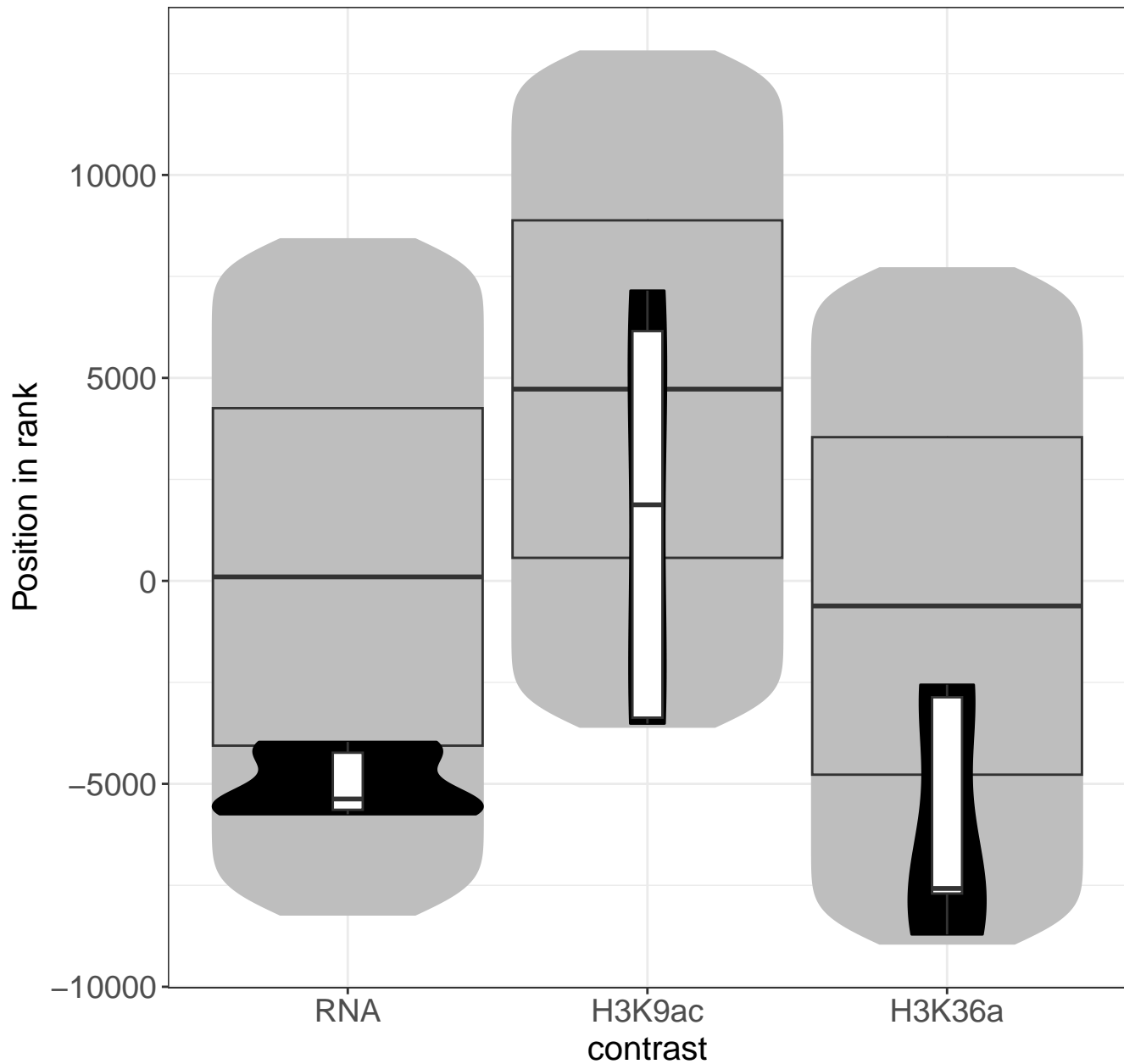




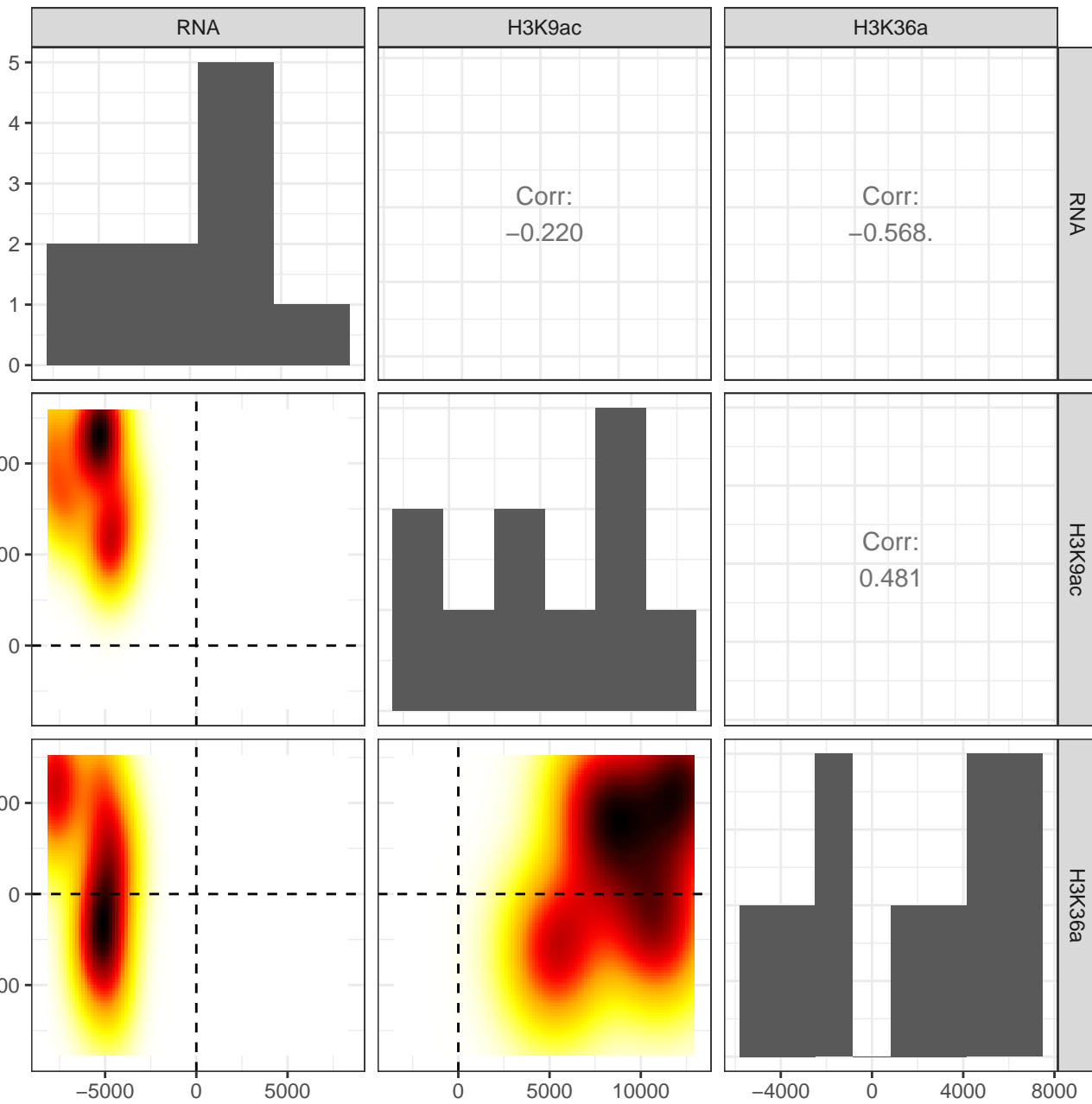
# GOCC ATP BINDING CASSETTE ABC TRANSPORTER COMPLEX



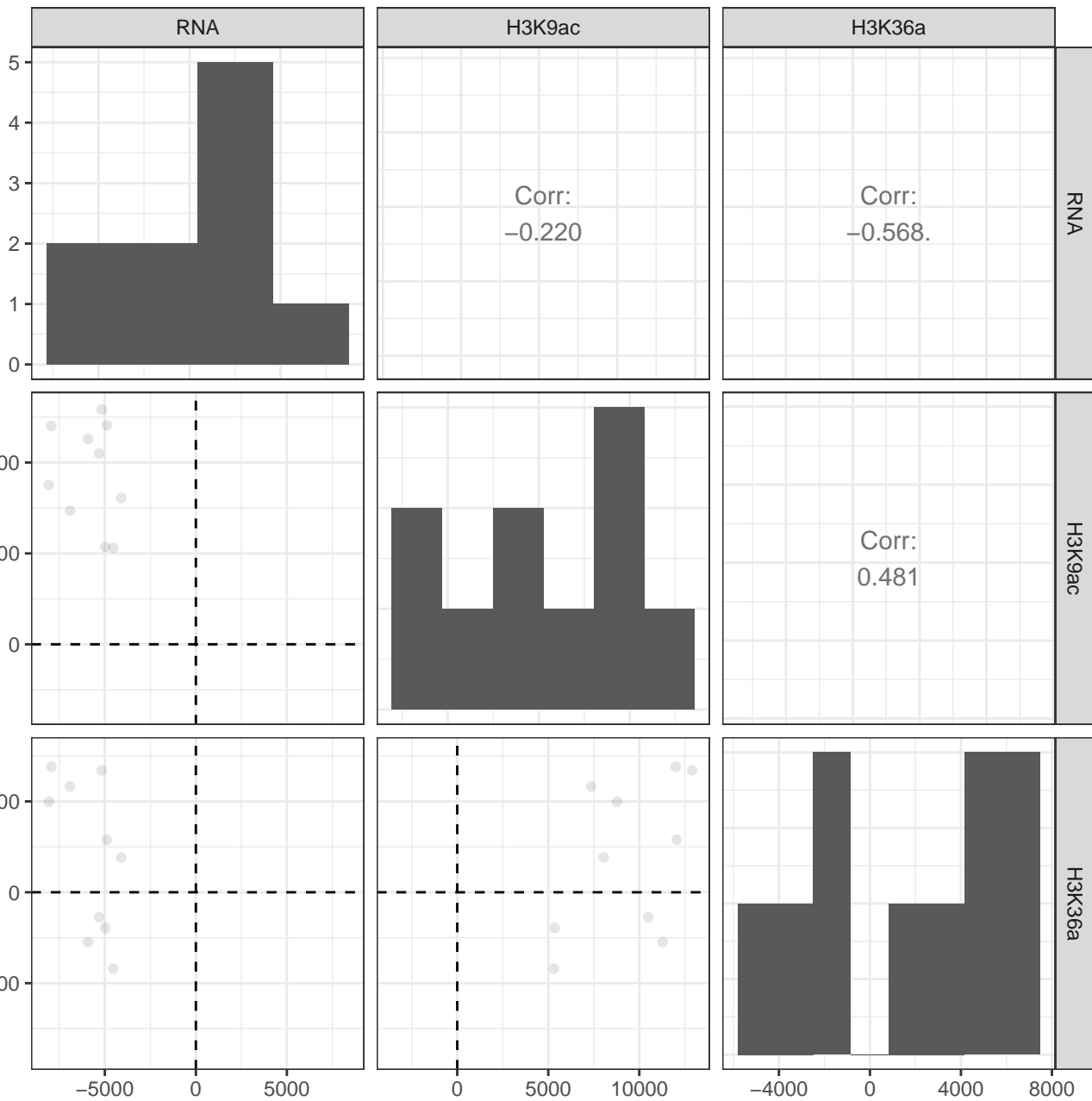
# GOCC ATP BINDING CASSETTE ABC TRANSF



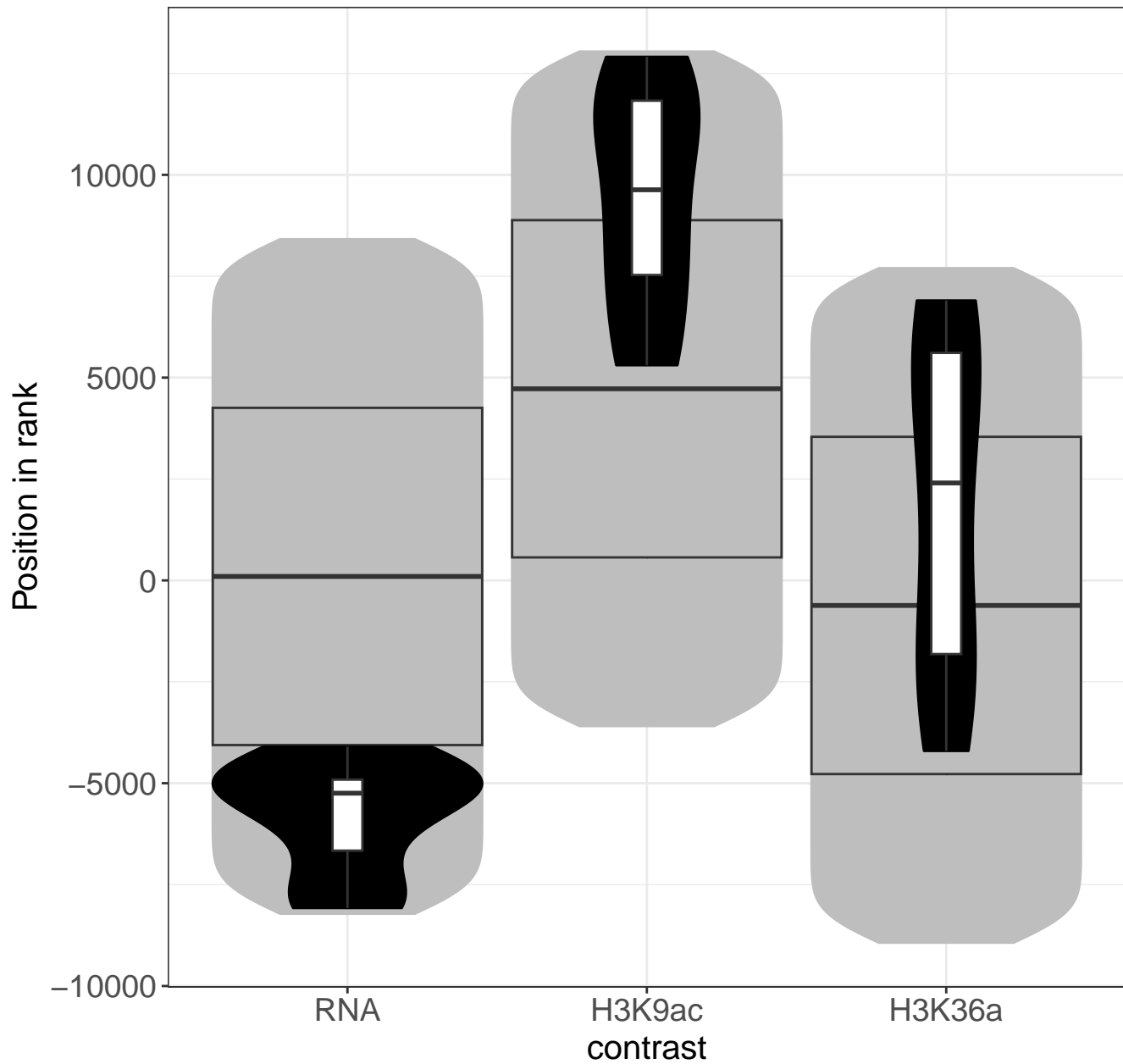
# GOCC PROTEASOME CORE COMPLEX BETA SUBUNIT COMPLEX



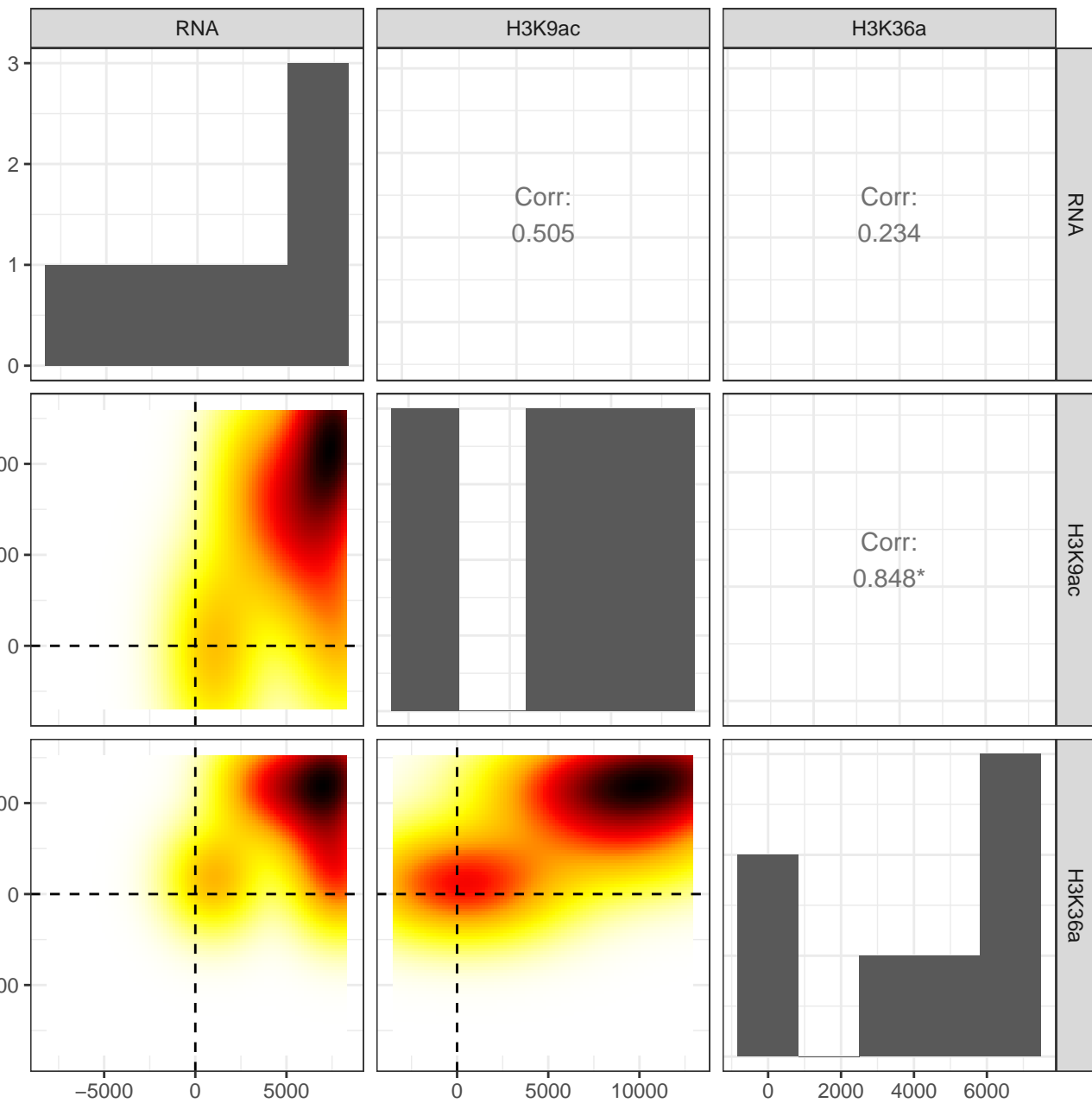
# GOCC PROTEASOME CORE COMPLEX BETA SUBUNIT COMPLEX



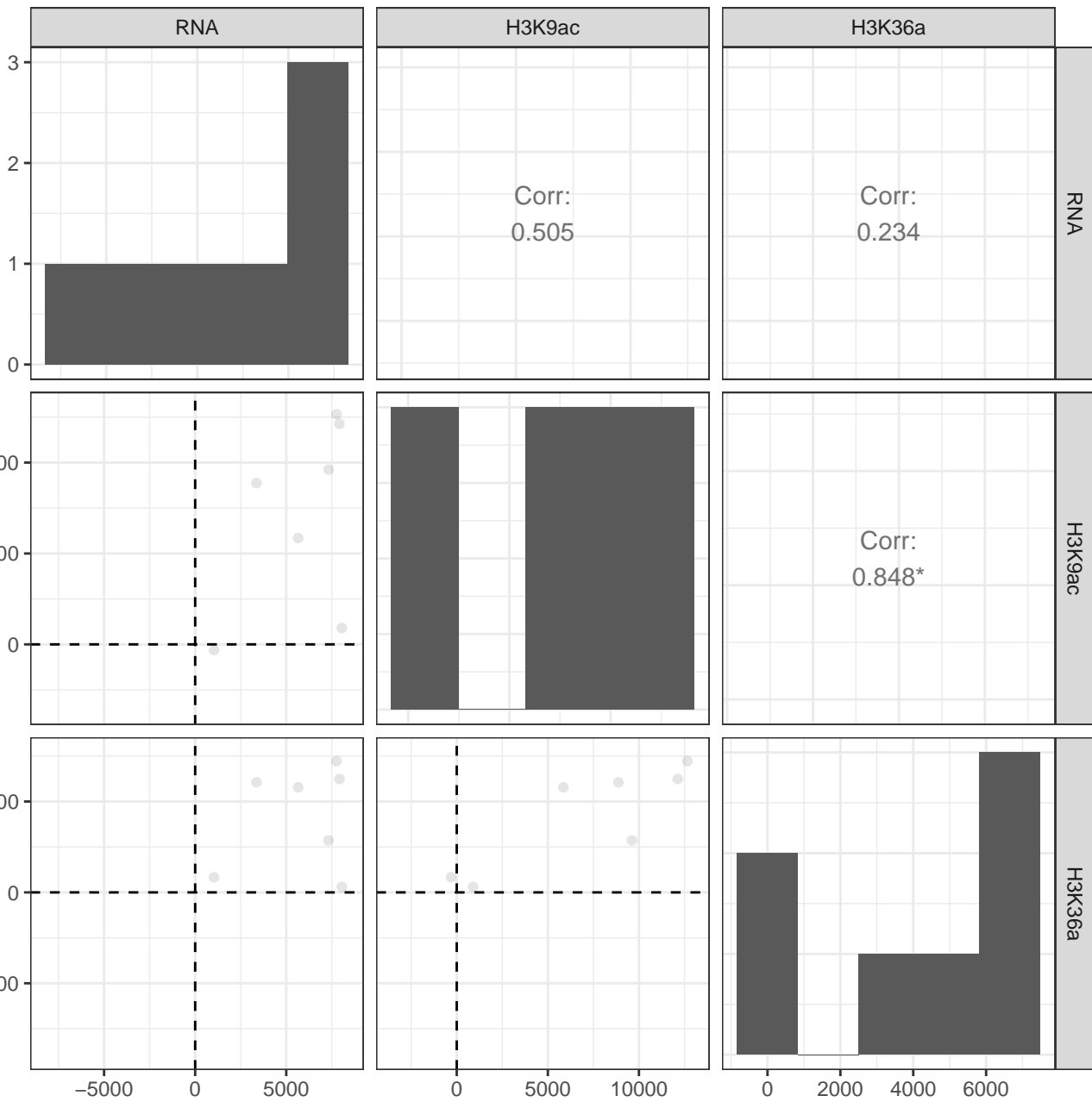
# GOCC PROTEASOME CORE COMPLEX BETA



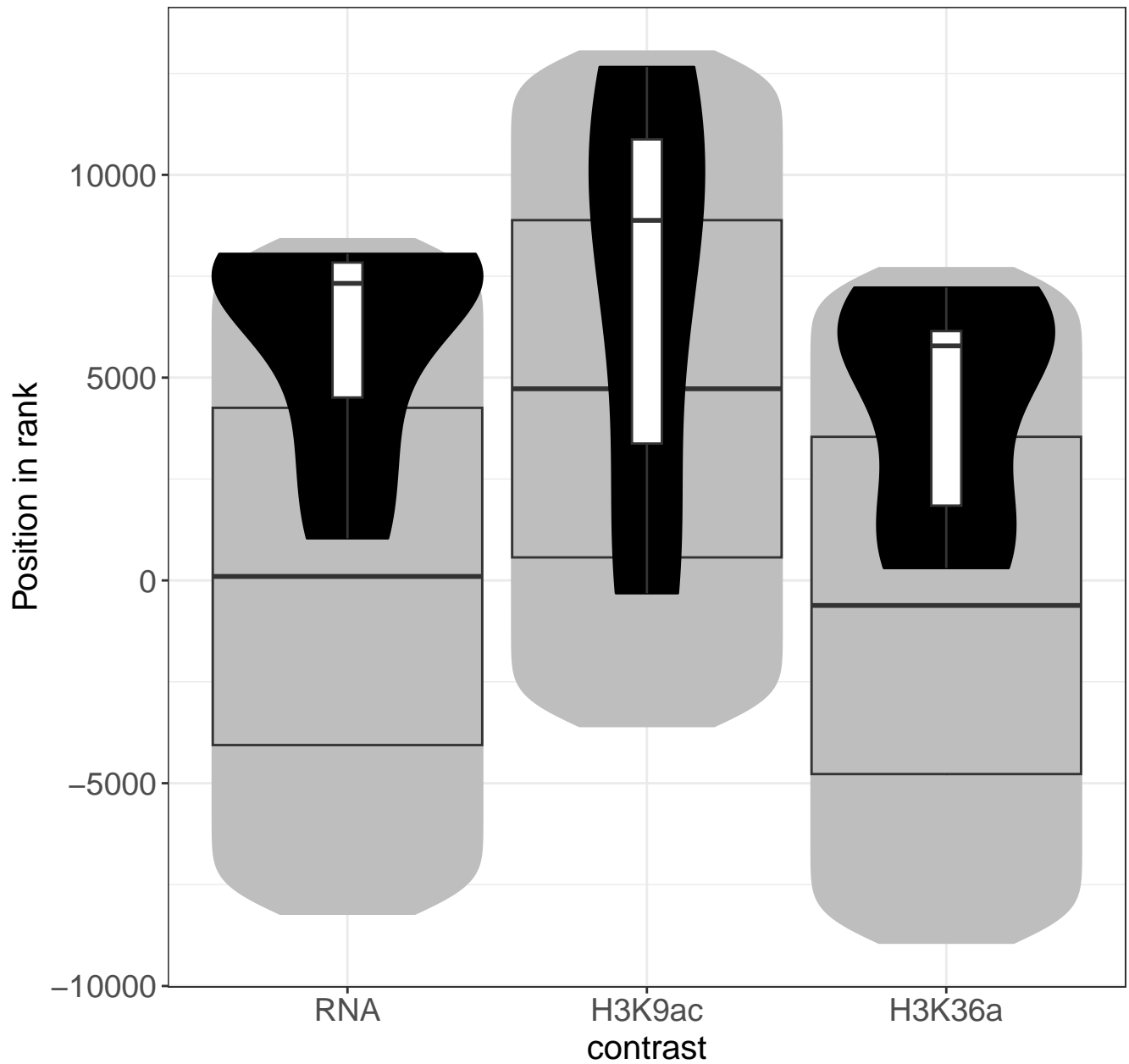
# GOBP NUCLEOTIDE BINDING OLIGOMERIZATION DOMAIN CONTAINING 1 S



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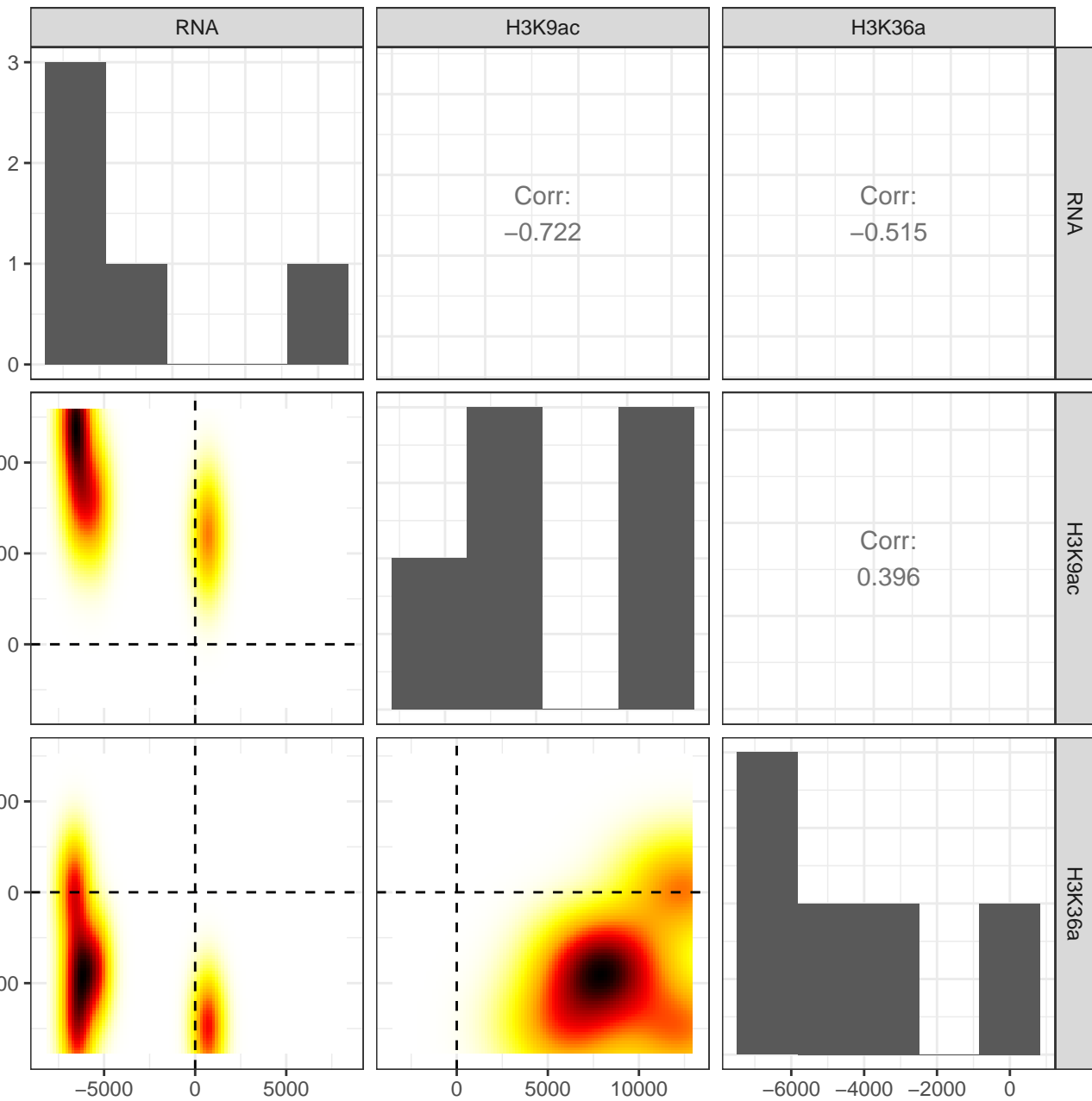


# GOBP NUCLEOTIDE BINDING OLIGOMERIZATION

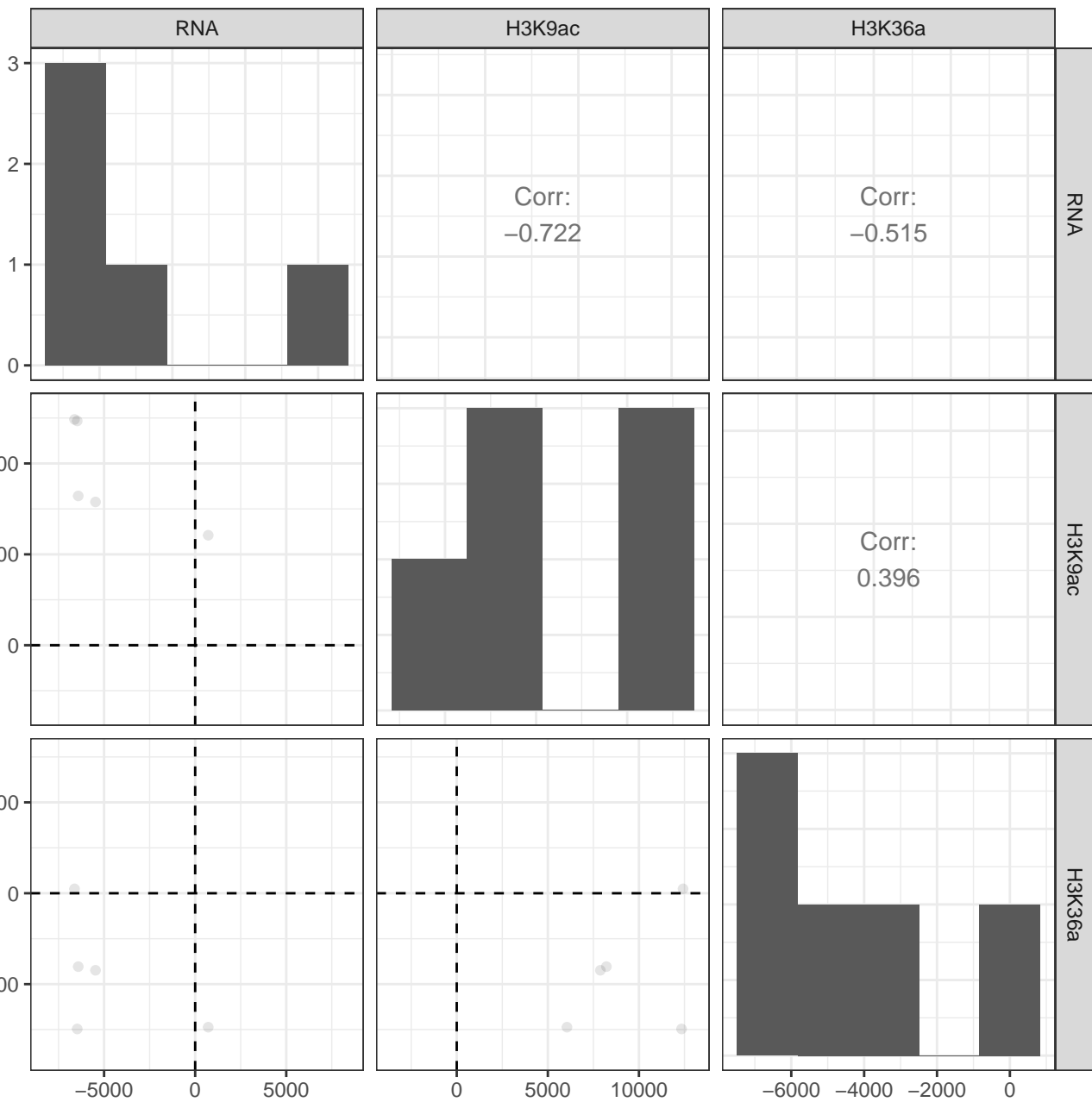




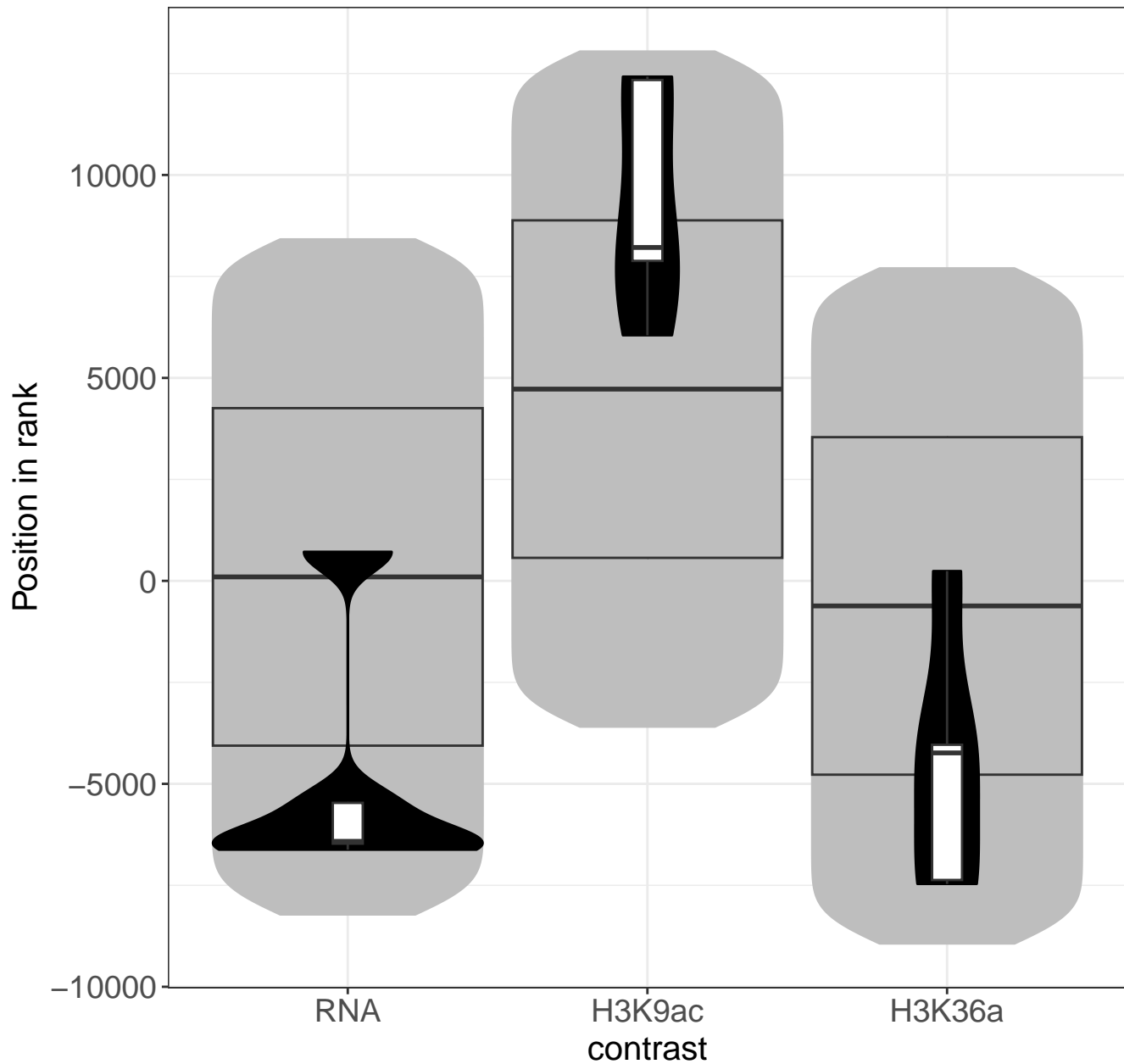
# GOCC EUKARYOTIC TRANSLATION INITIATION FACTOR 2B COMPLEX



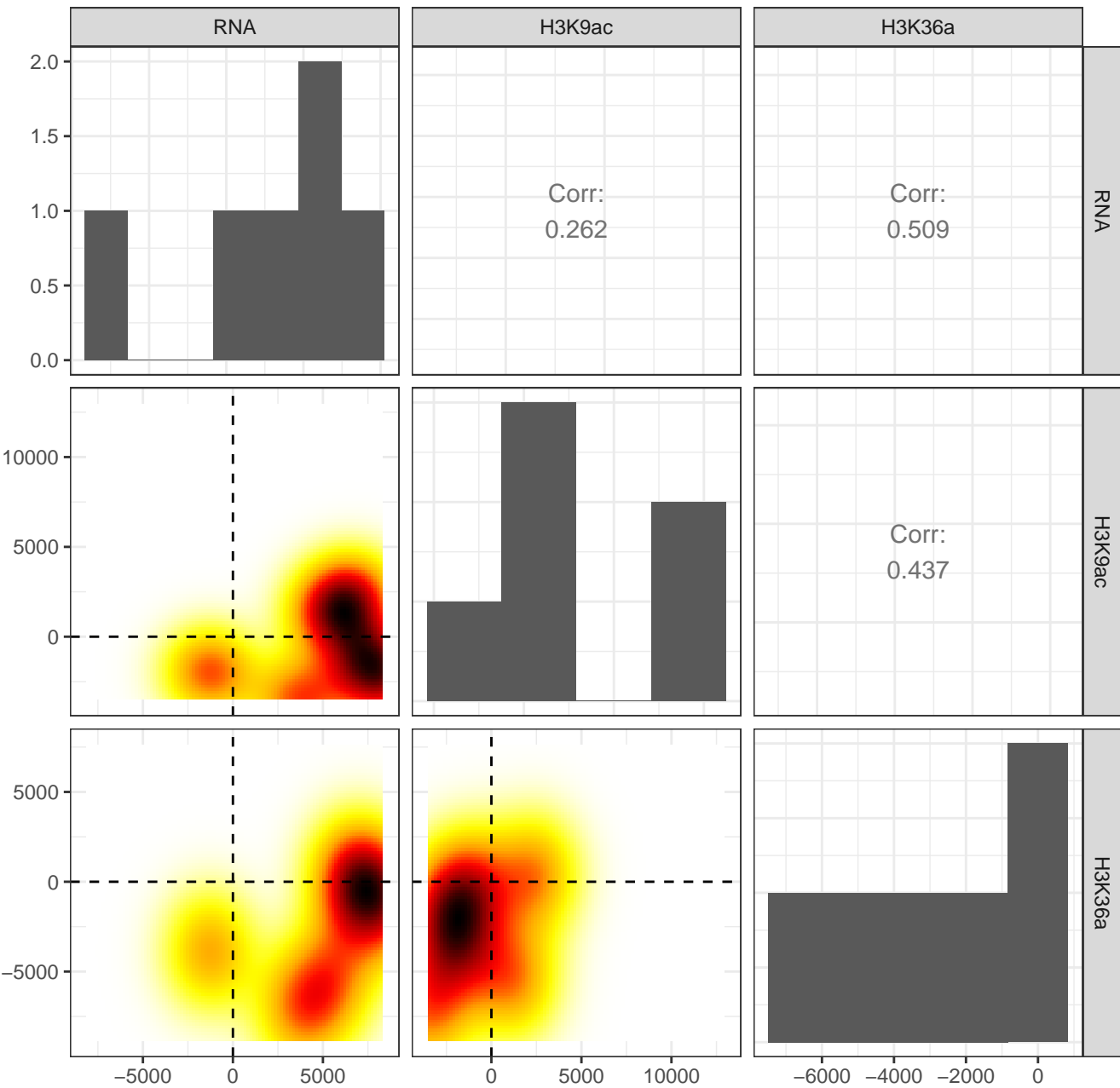
# GOCC EUKARYOTIC TRANSLATION INITIATION FACTOR 2B COMPLEX



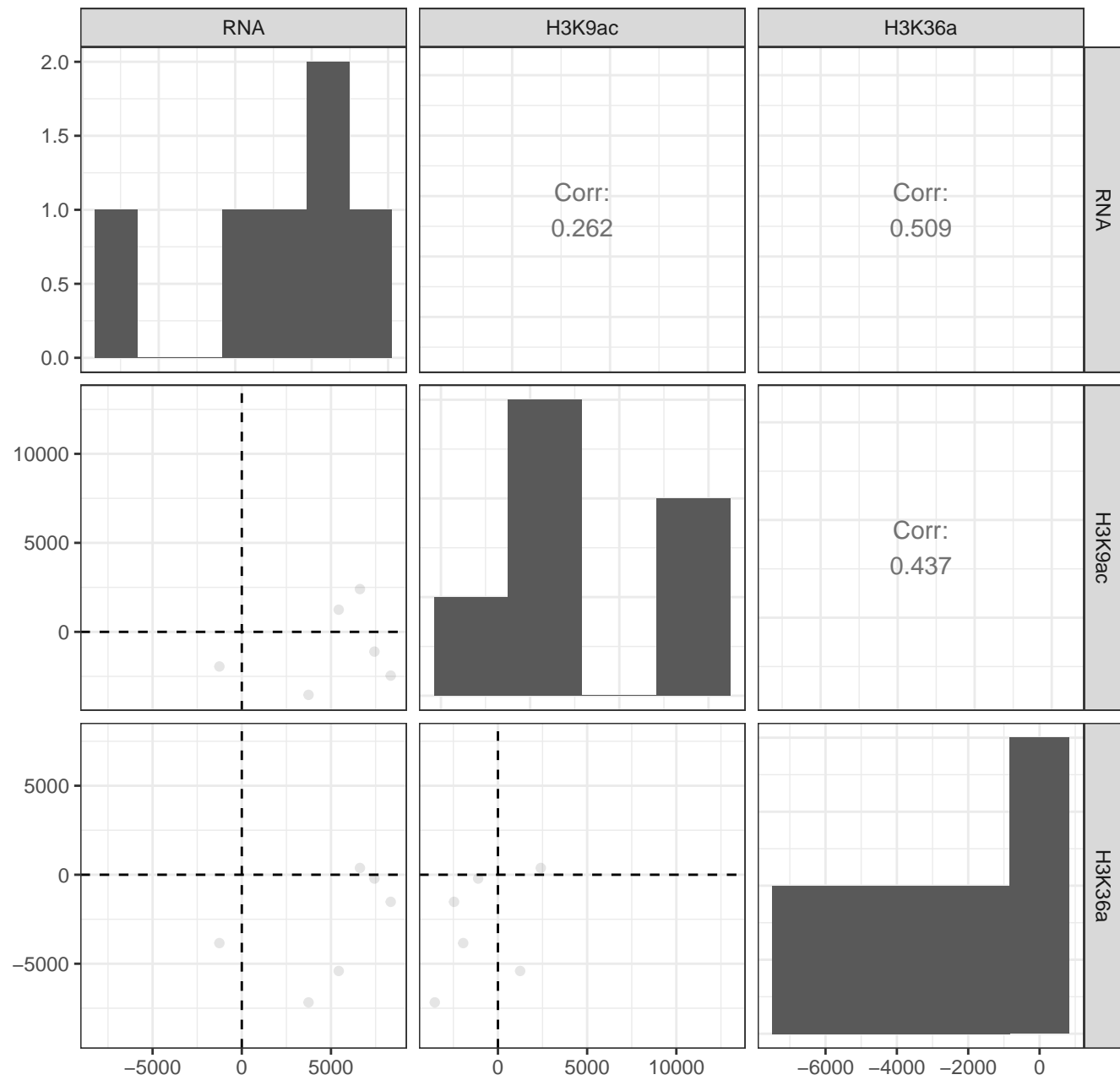
# GOCC EUKARYOTIC TRANSLATION INITIATIO



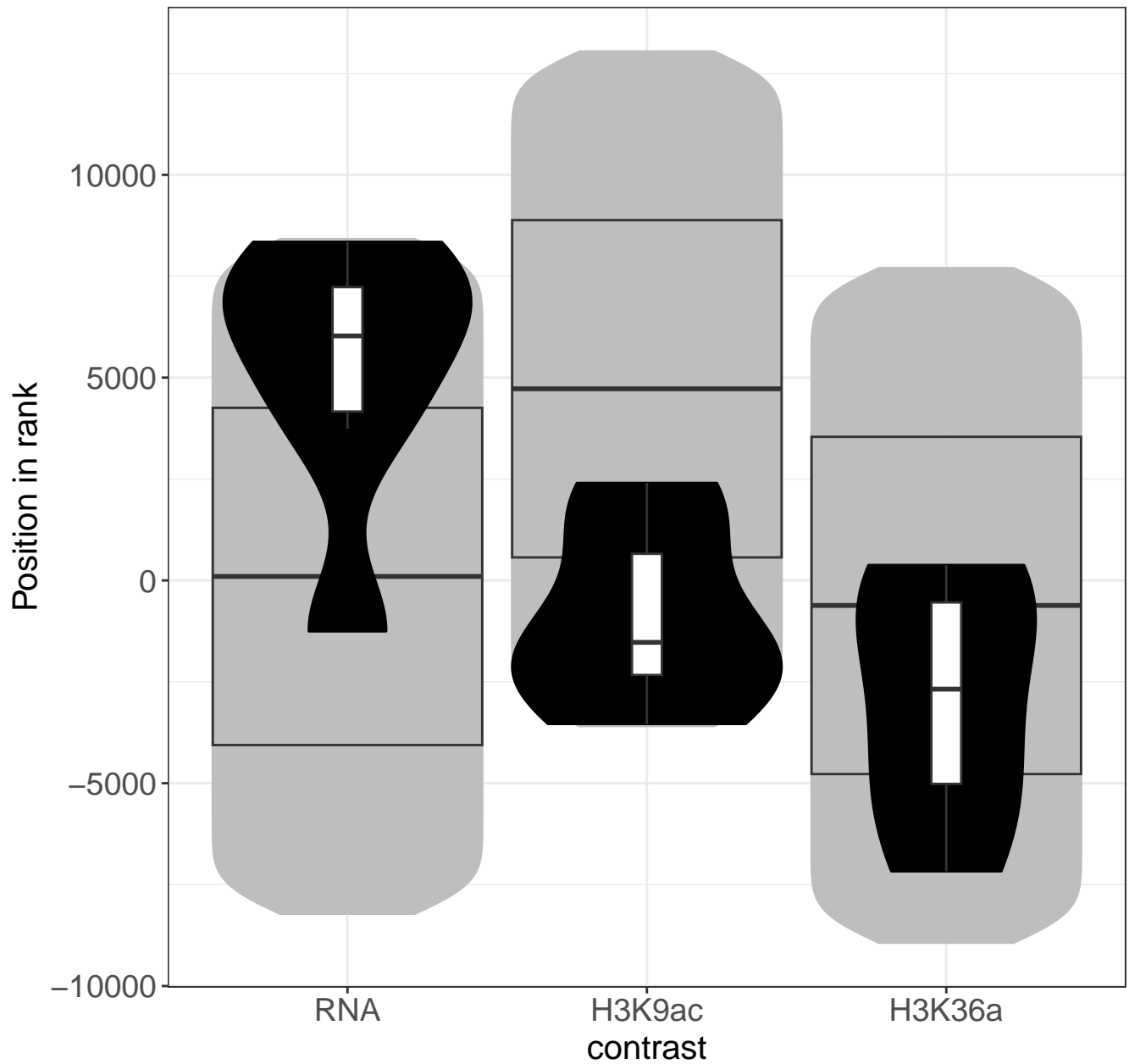
# GOMF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR ACTIVITY



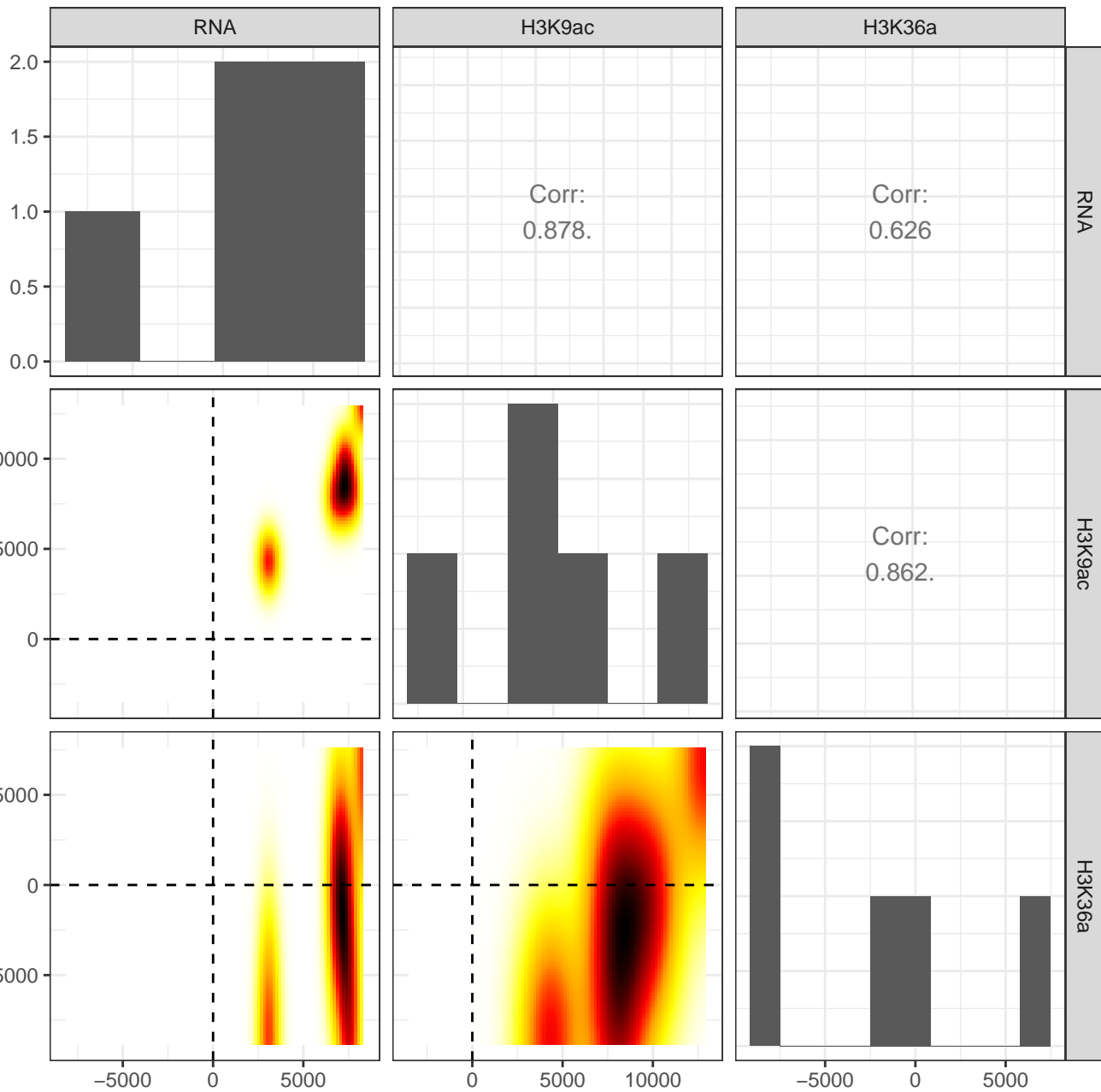
# GOMF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR ACTIVITY



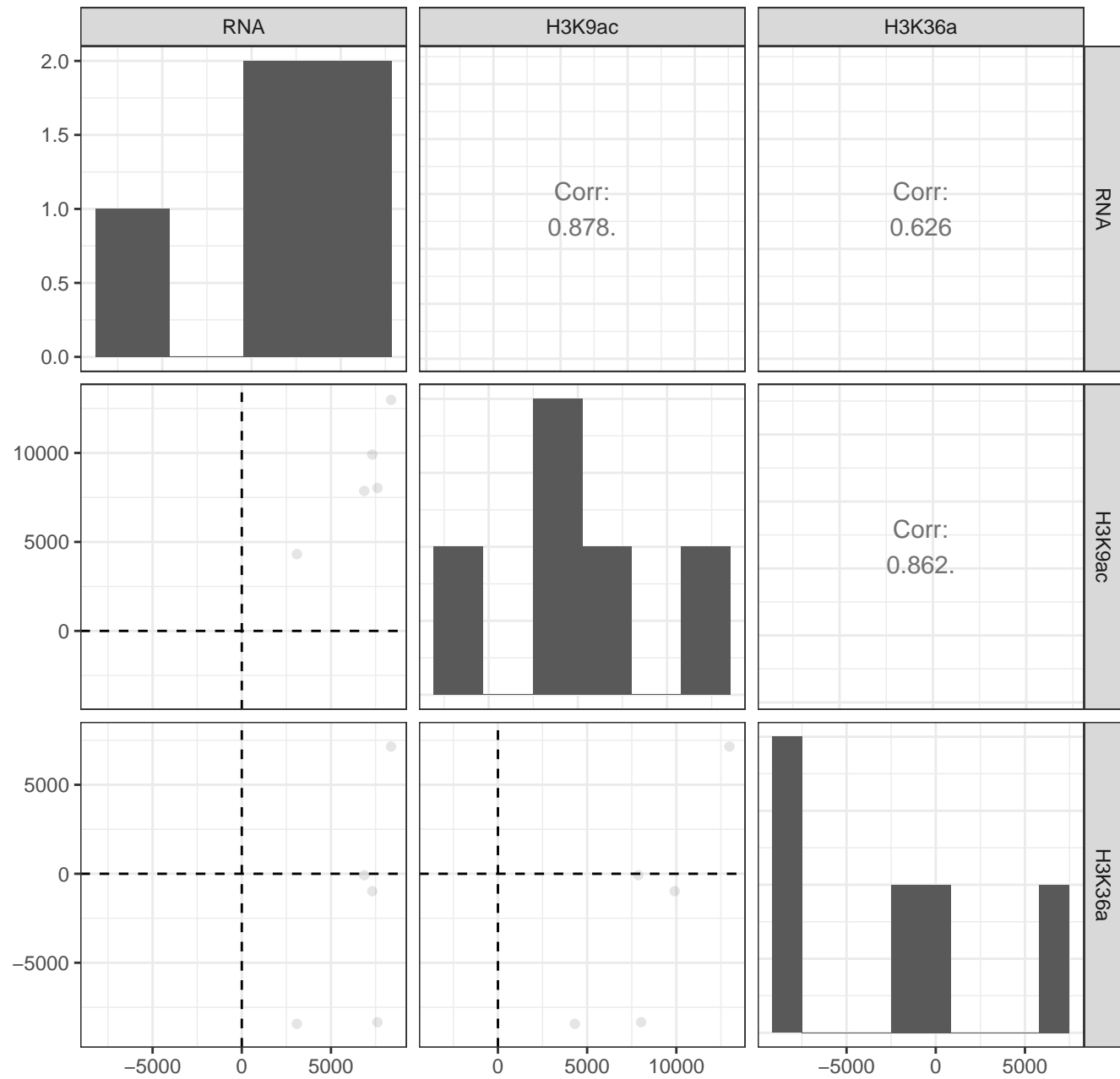
# GOMF VASCULAR ENDOTHELIAL GROWTH F



# GOBP LUNG VASCULATURE DEVELOPMENT

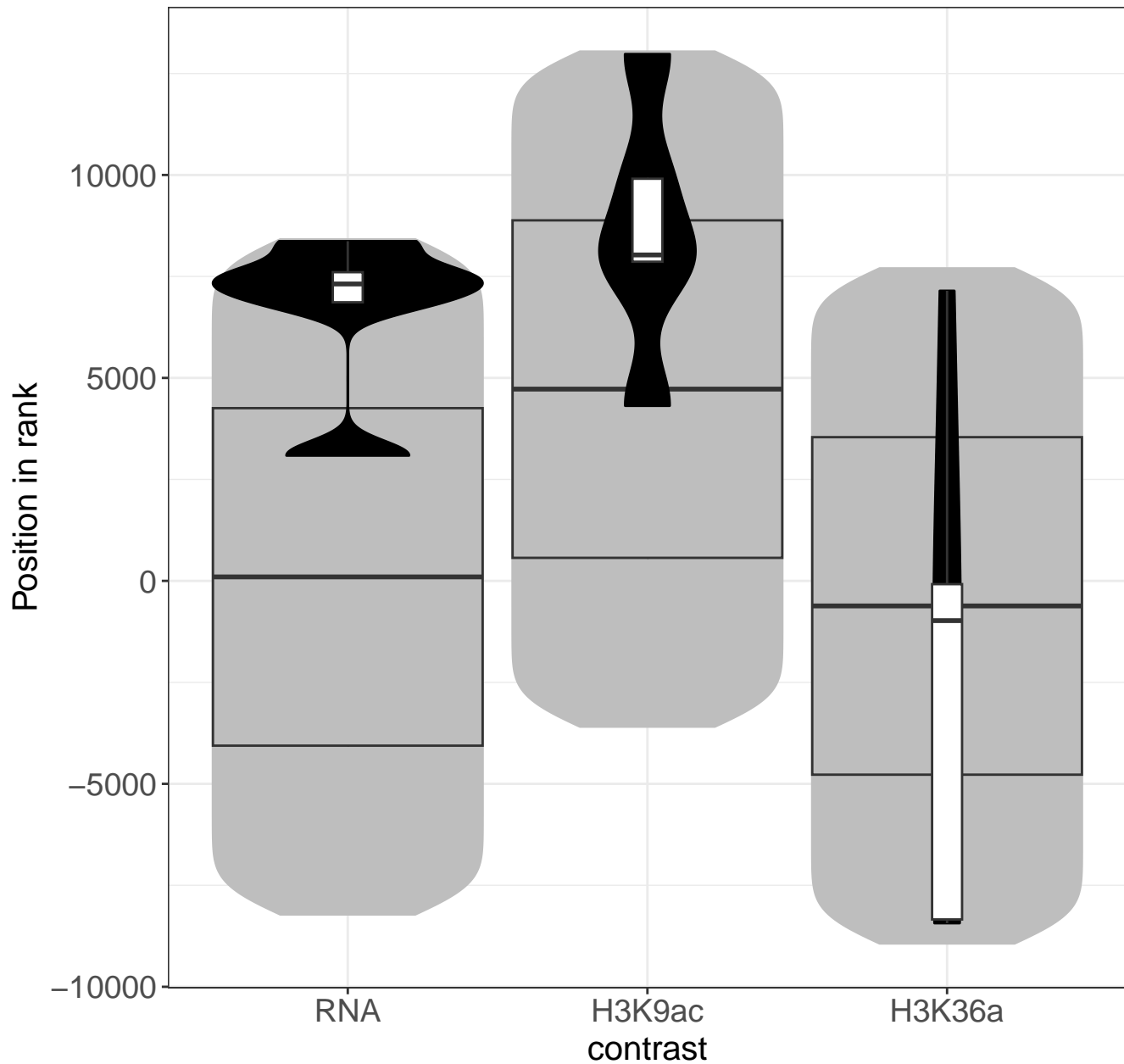


# GOBP LUNG VASCULATURE DEVELOPMENT

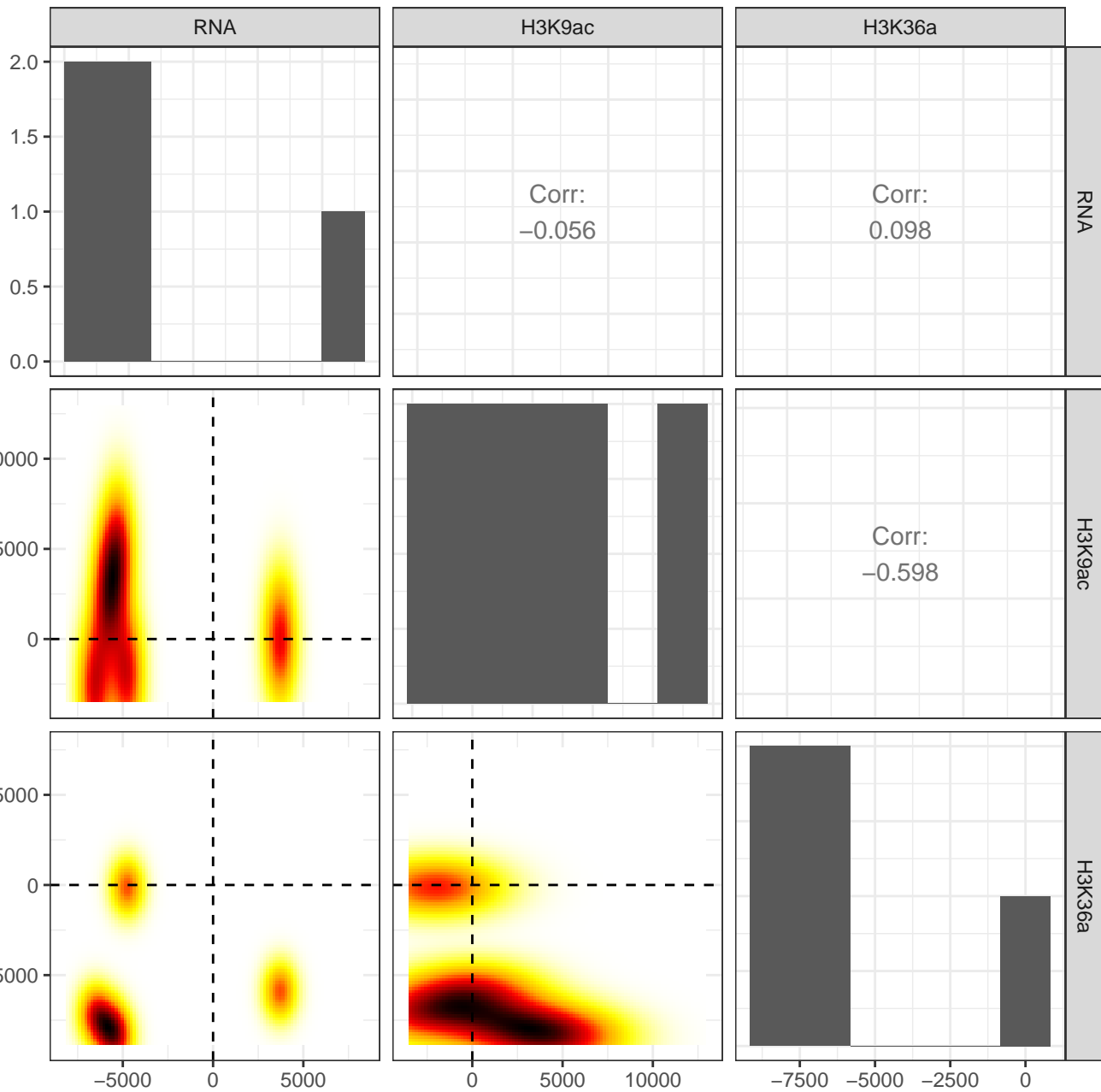




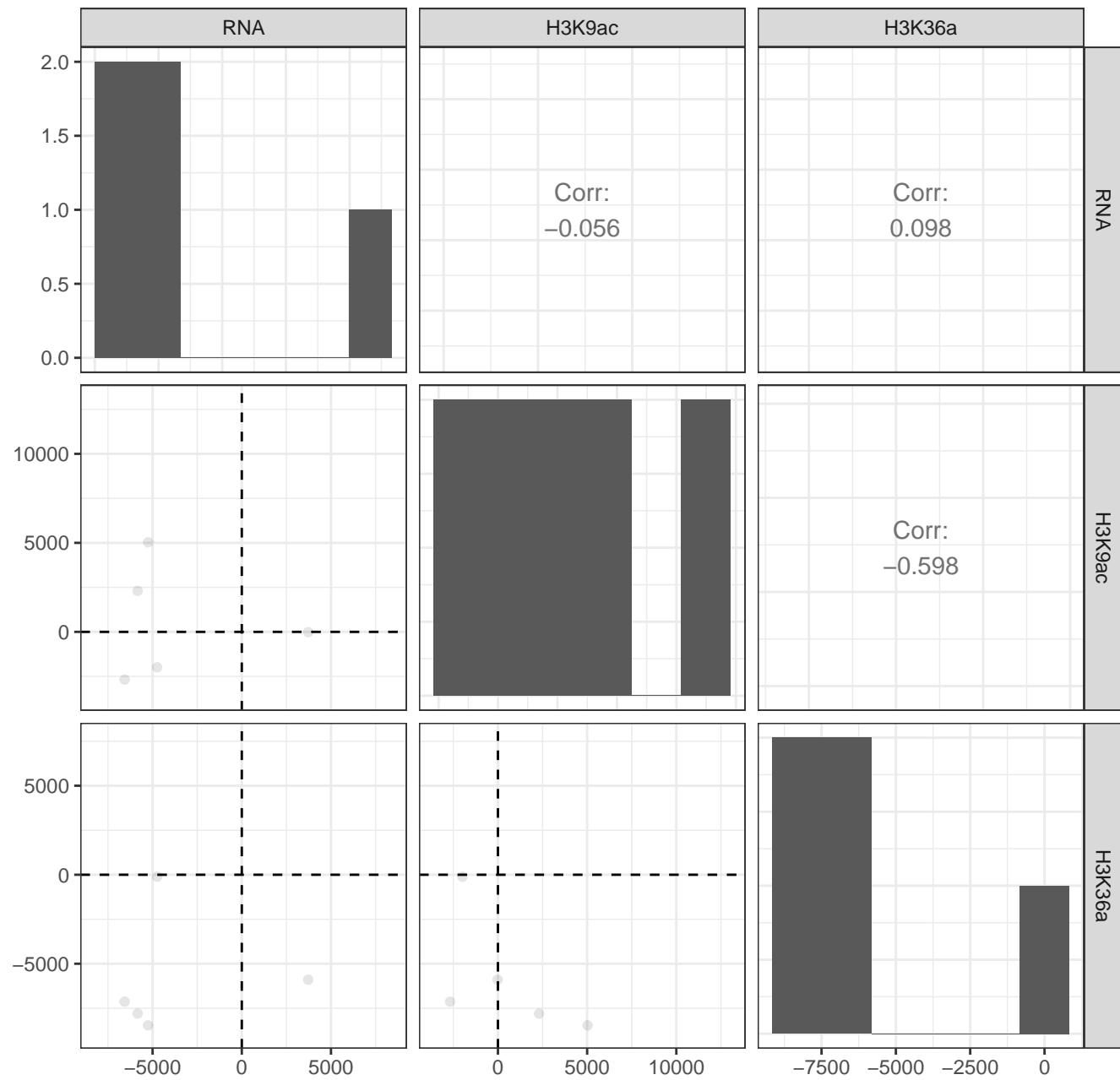
# GOBP LUNG VASCULATURE DEVELOPMENT



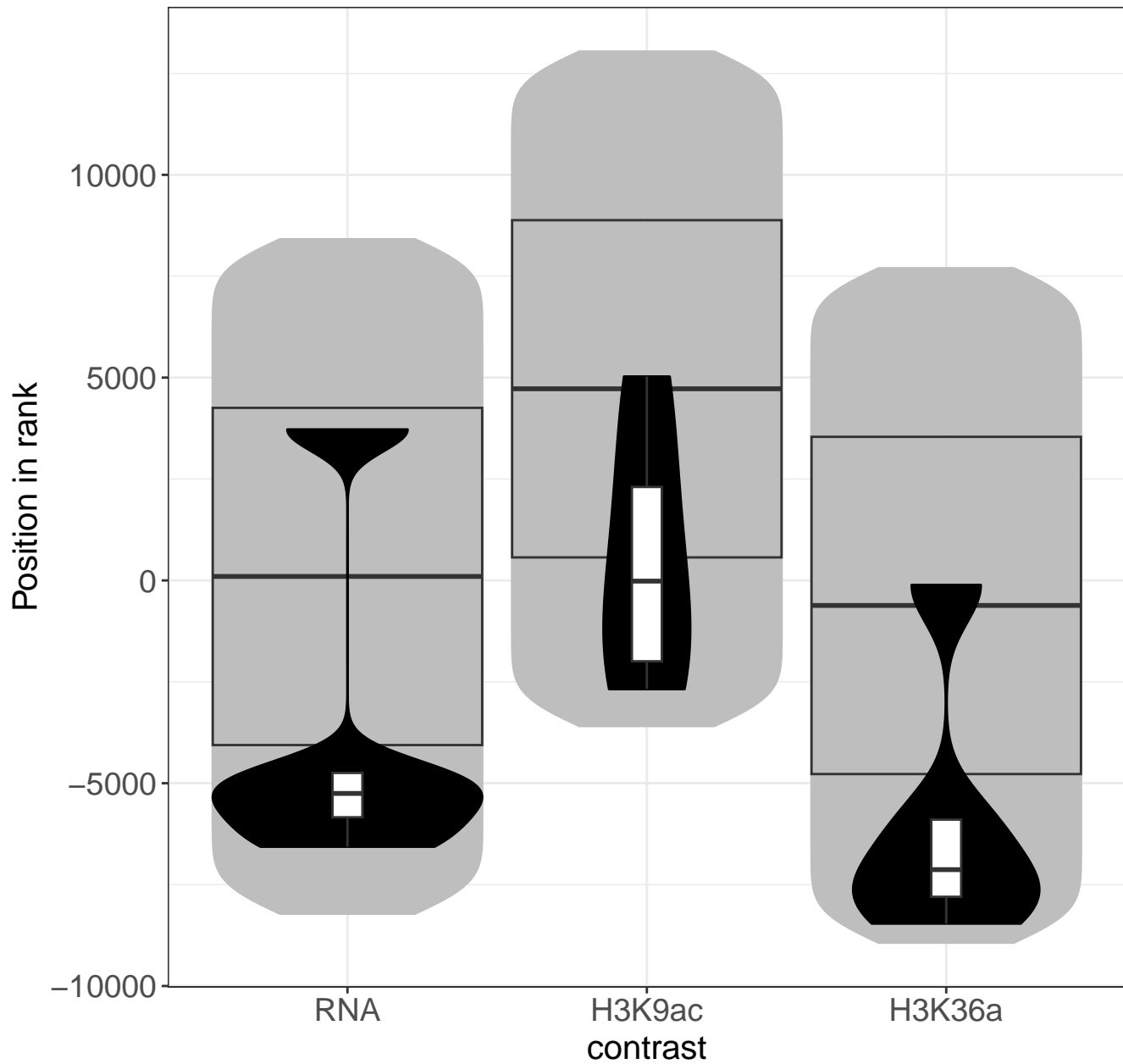
# GOMF BICARBONATE MONOATOMIC ANION ANTIPORTER ACTIVITY



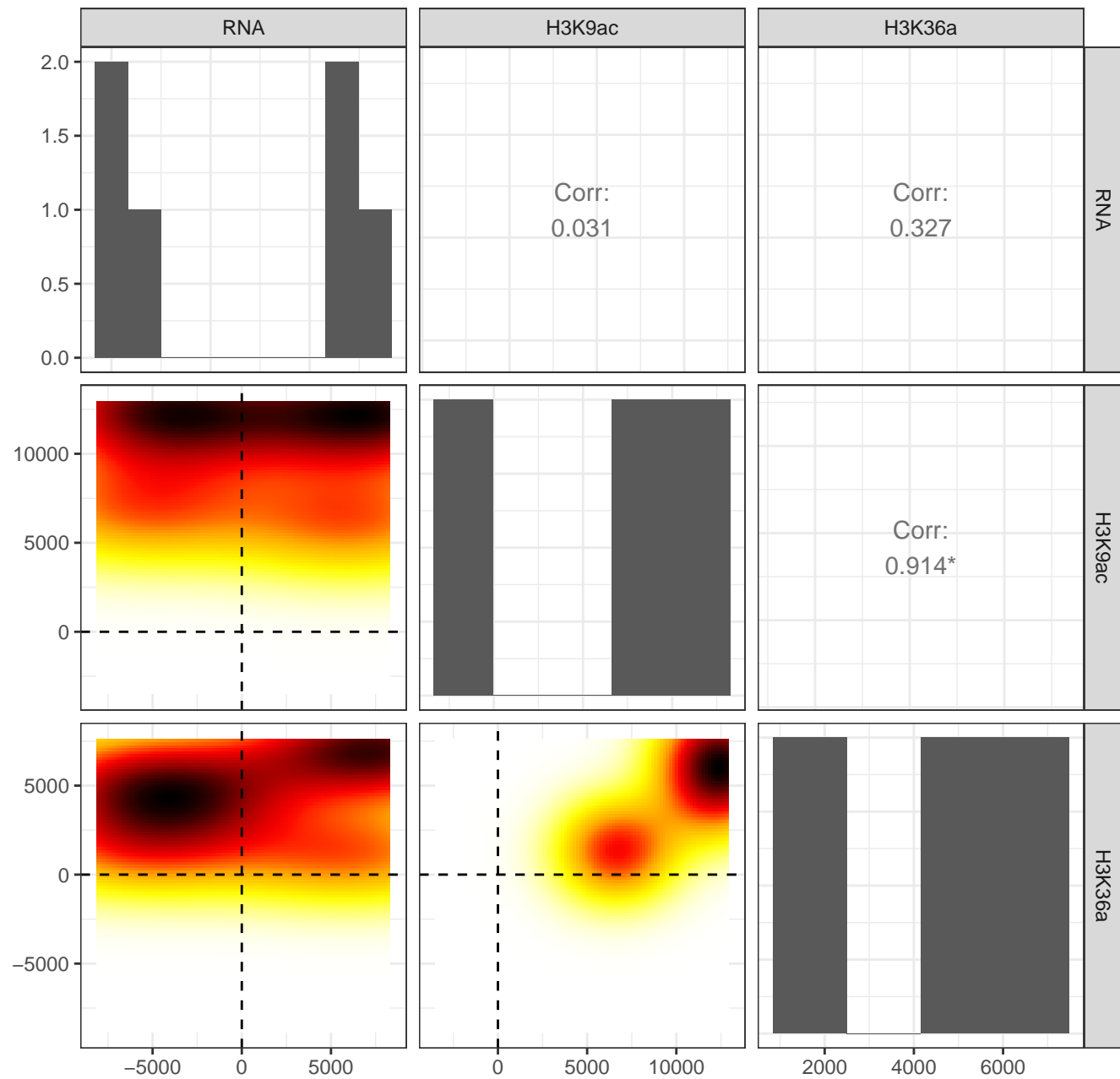
# GOMF BICARBONATE MONOATOMIC ANION ANTIPORTER ACTIVITY



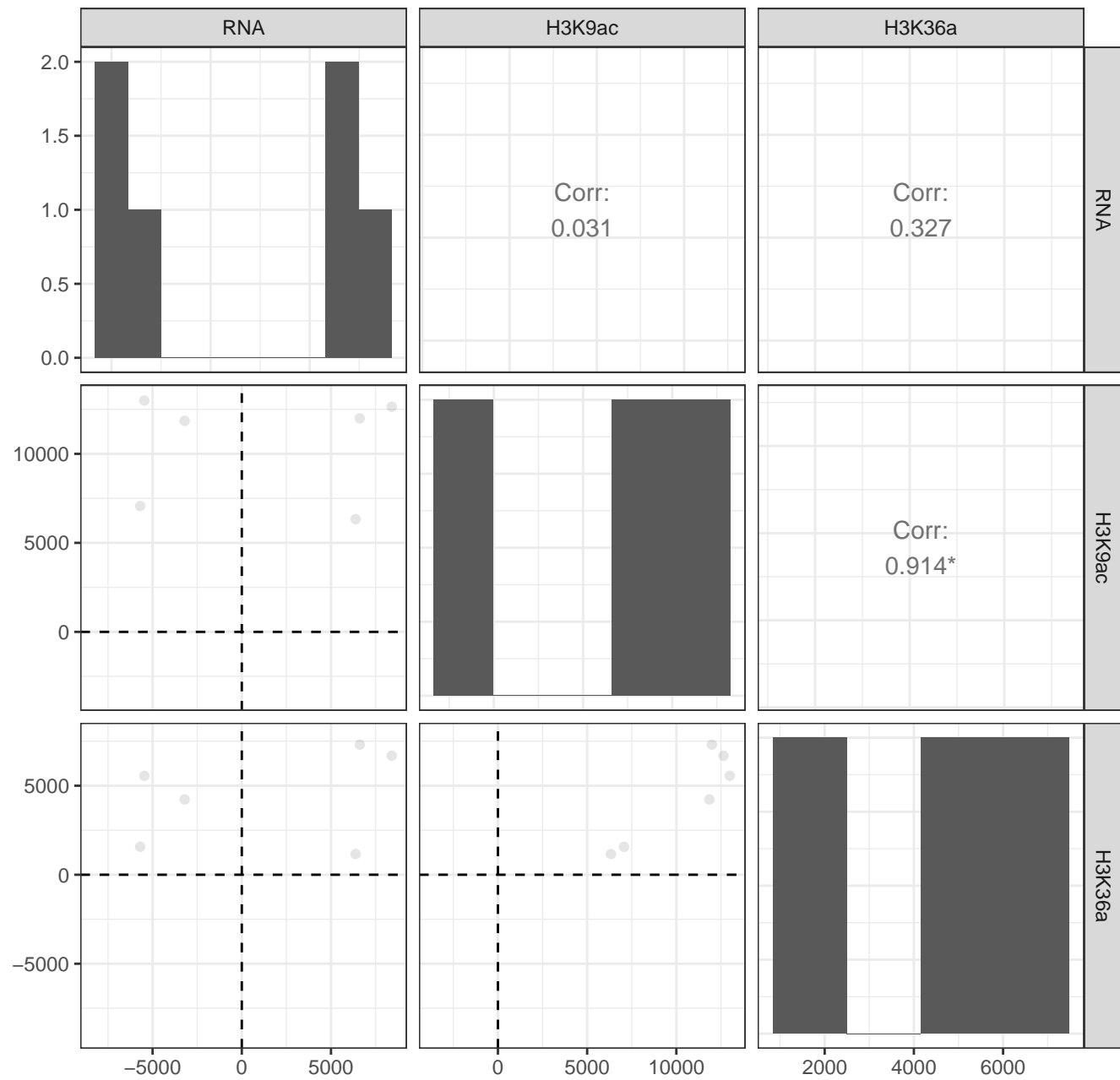
# GOMF BICARBONATE MONOATOMIC ANION A



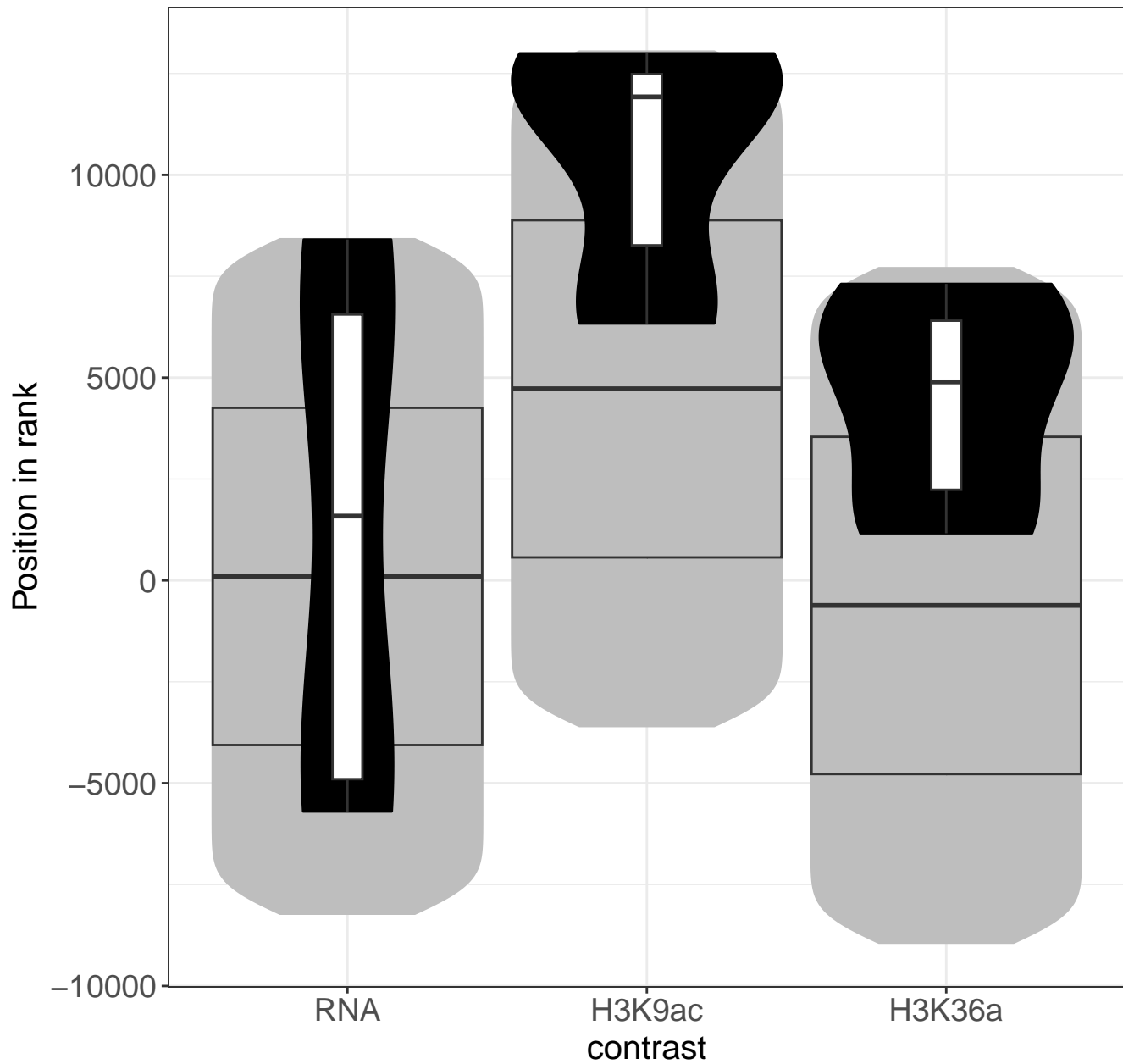
# GOBP SKELETAL MUSCLE THIN FILAMENT ASSEMBLY



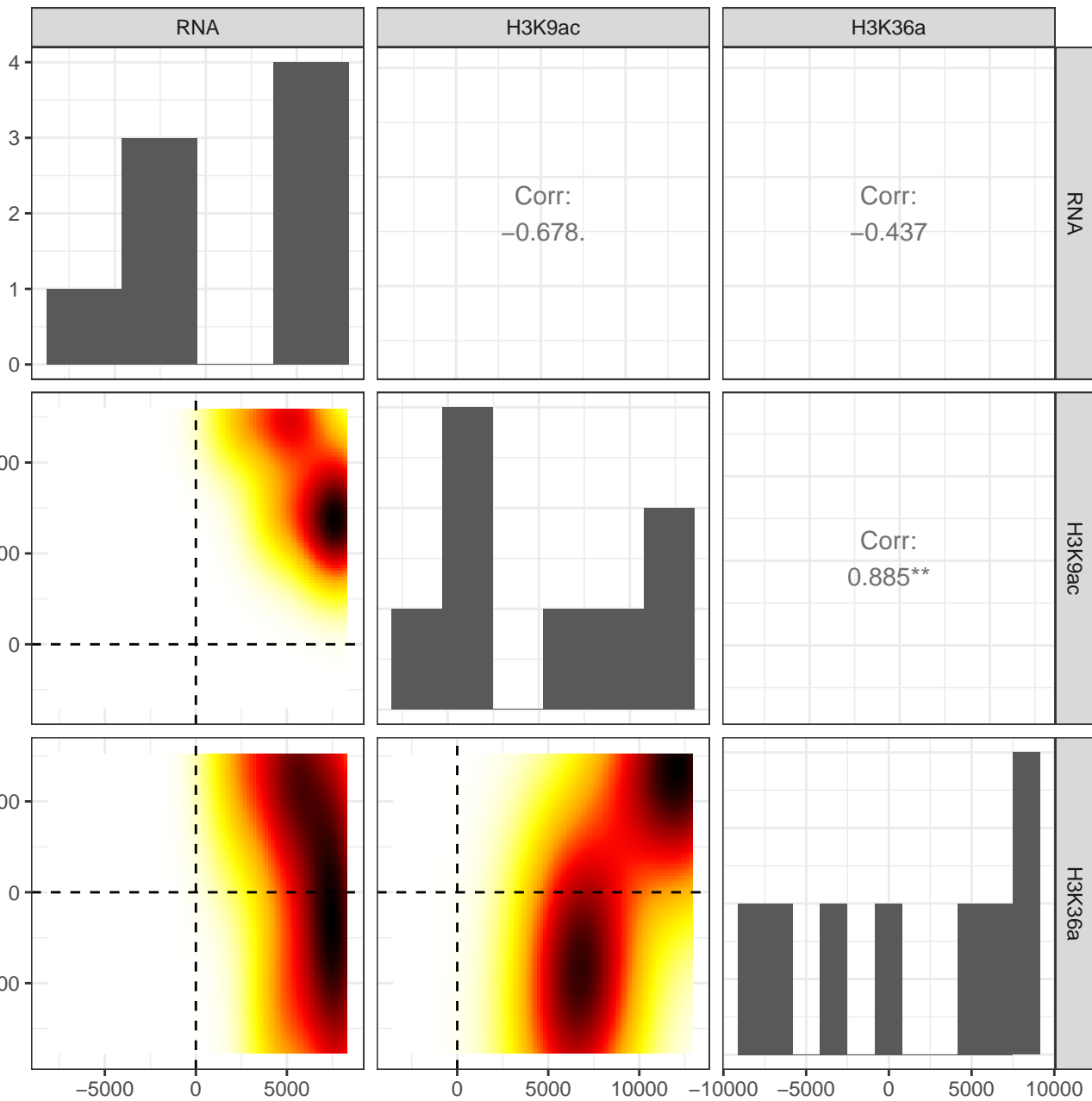
# GOBP SKELETAL MUSCLE THIN FILAMENT ASSEMBLY



# GOBP SKELETAL MUSCLE THIN FILAMENT AS

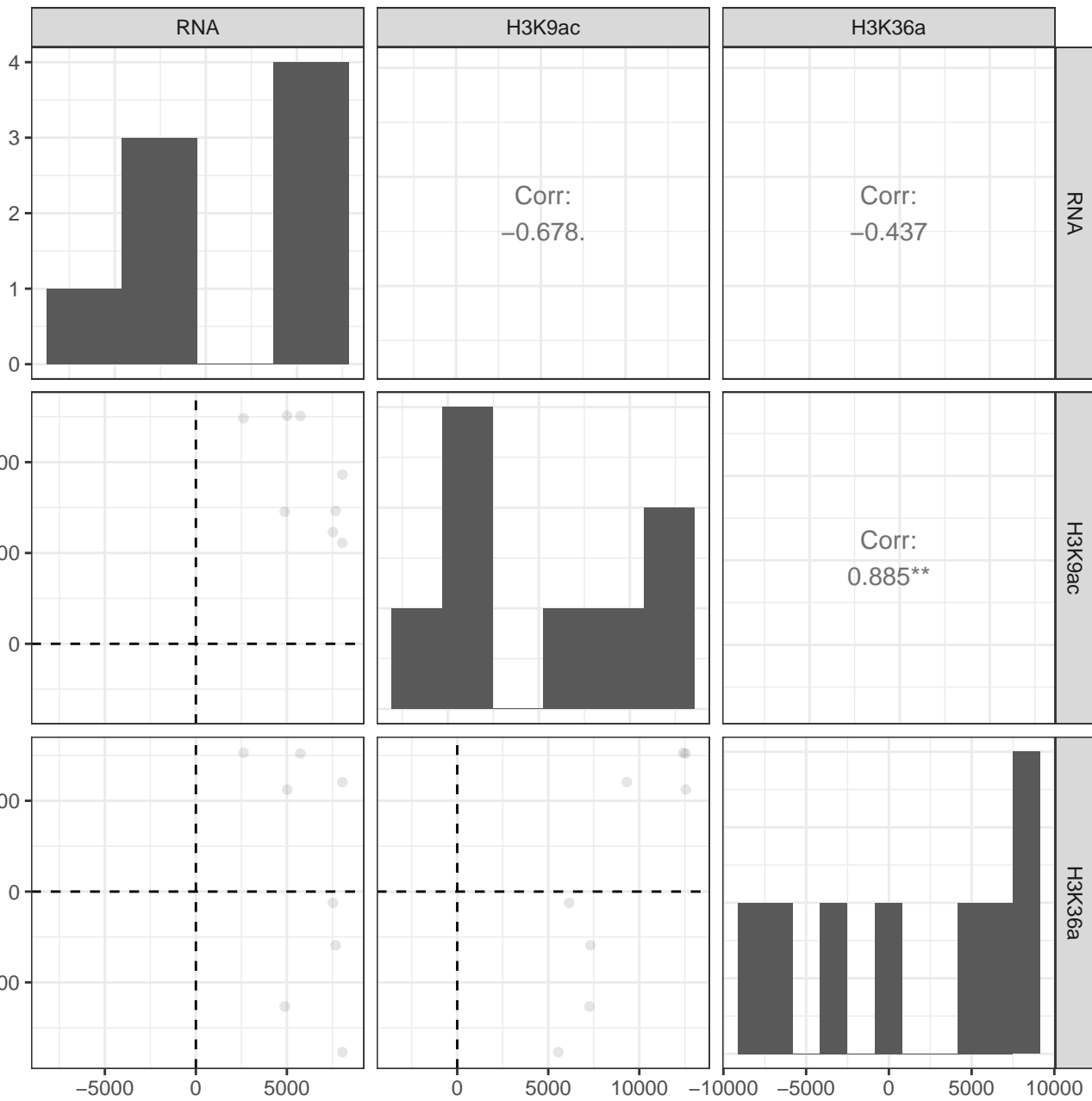


# GOBP DORSAL AORTA MORPHOGENESIS

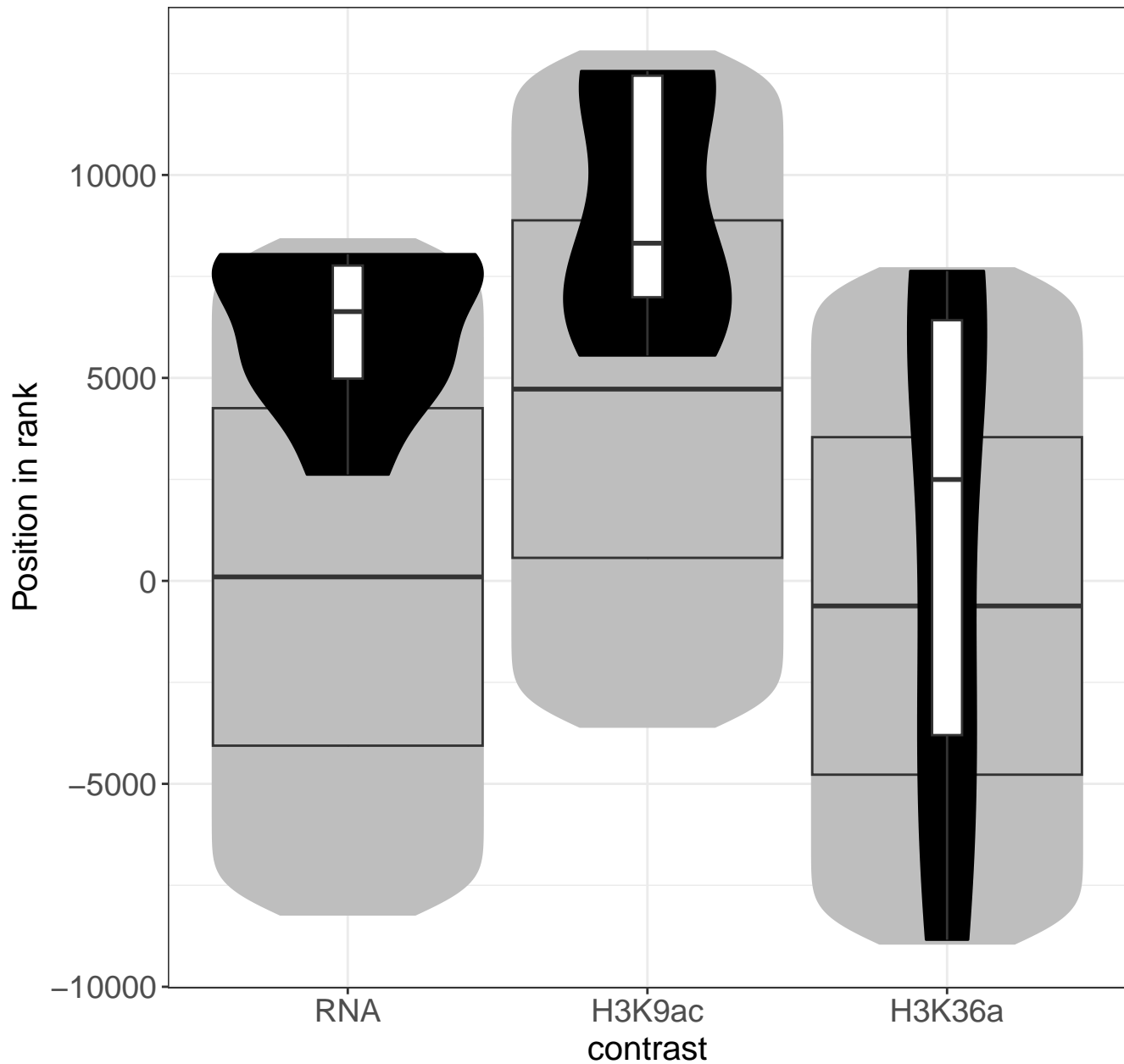




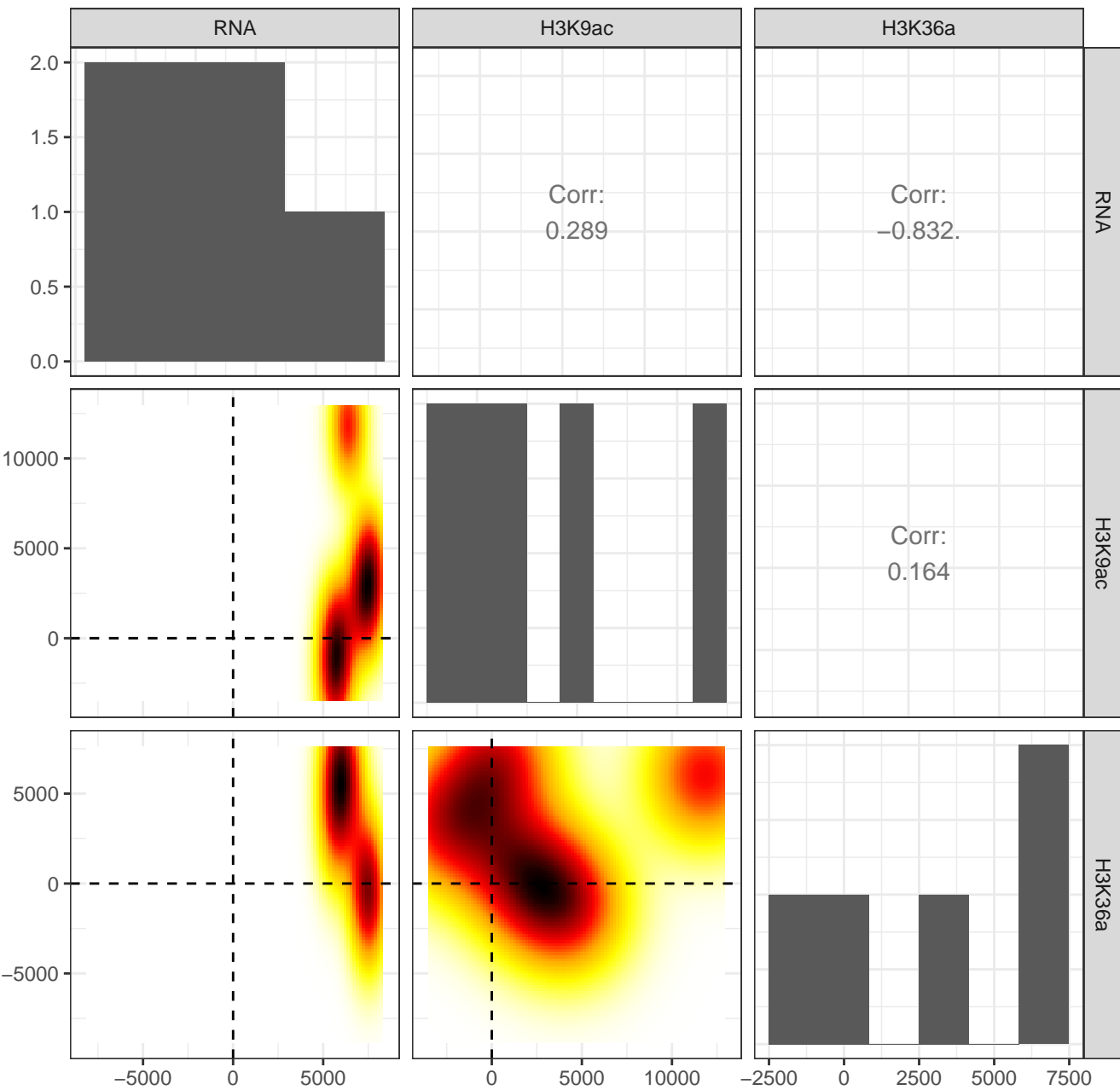
# GOBP DORSAL AORTA MORPHOGENESIS



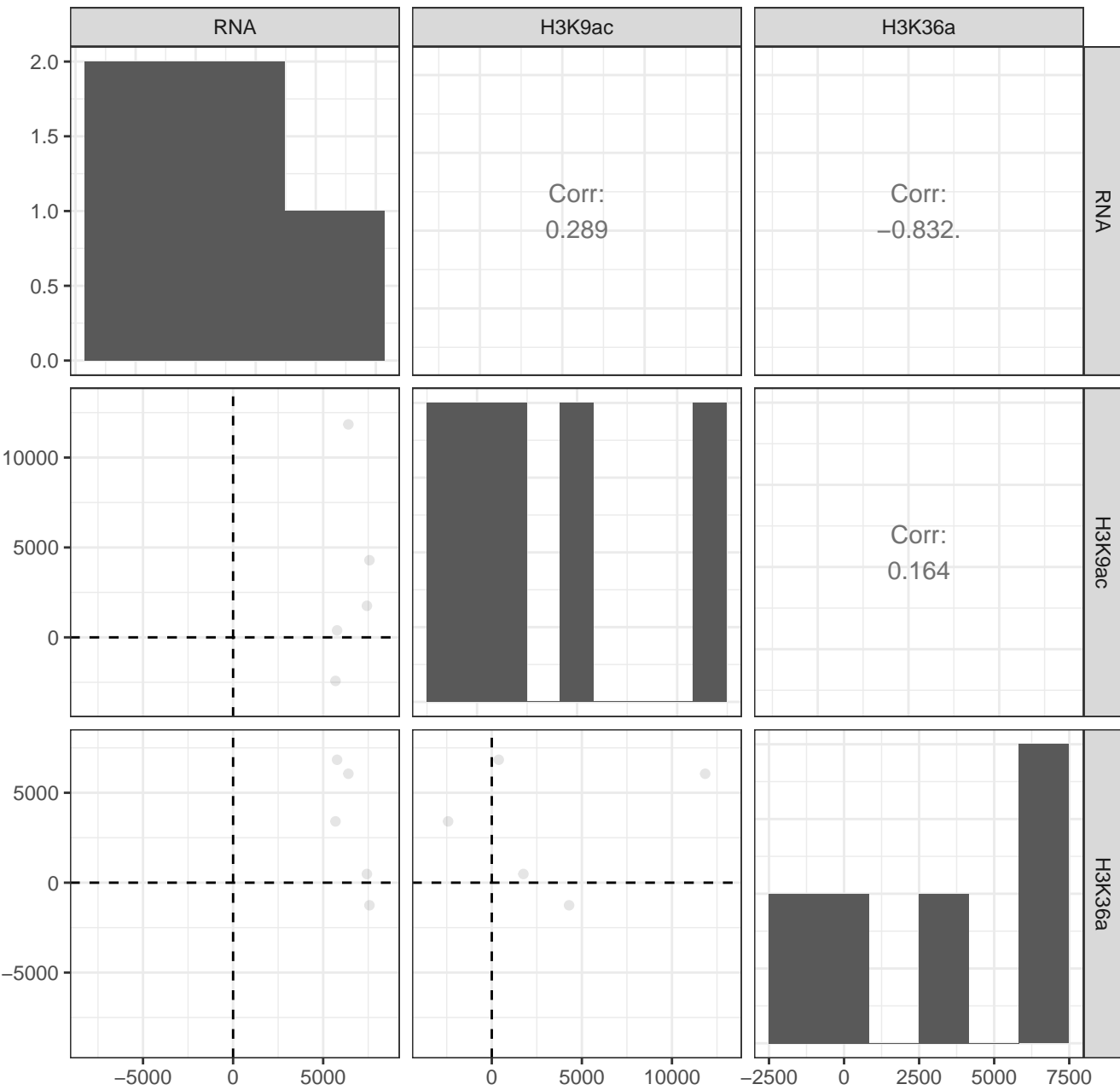
# GOBP DORSAL AORTA MORPHOGENESIS



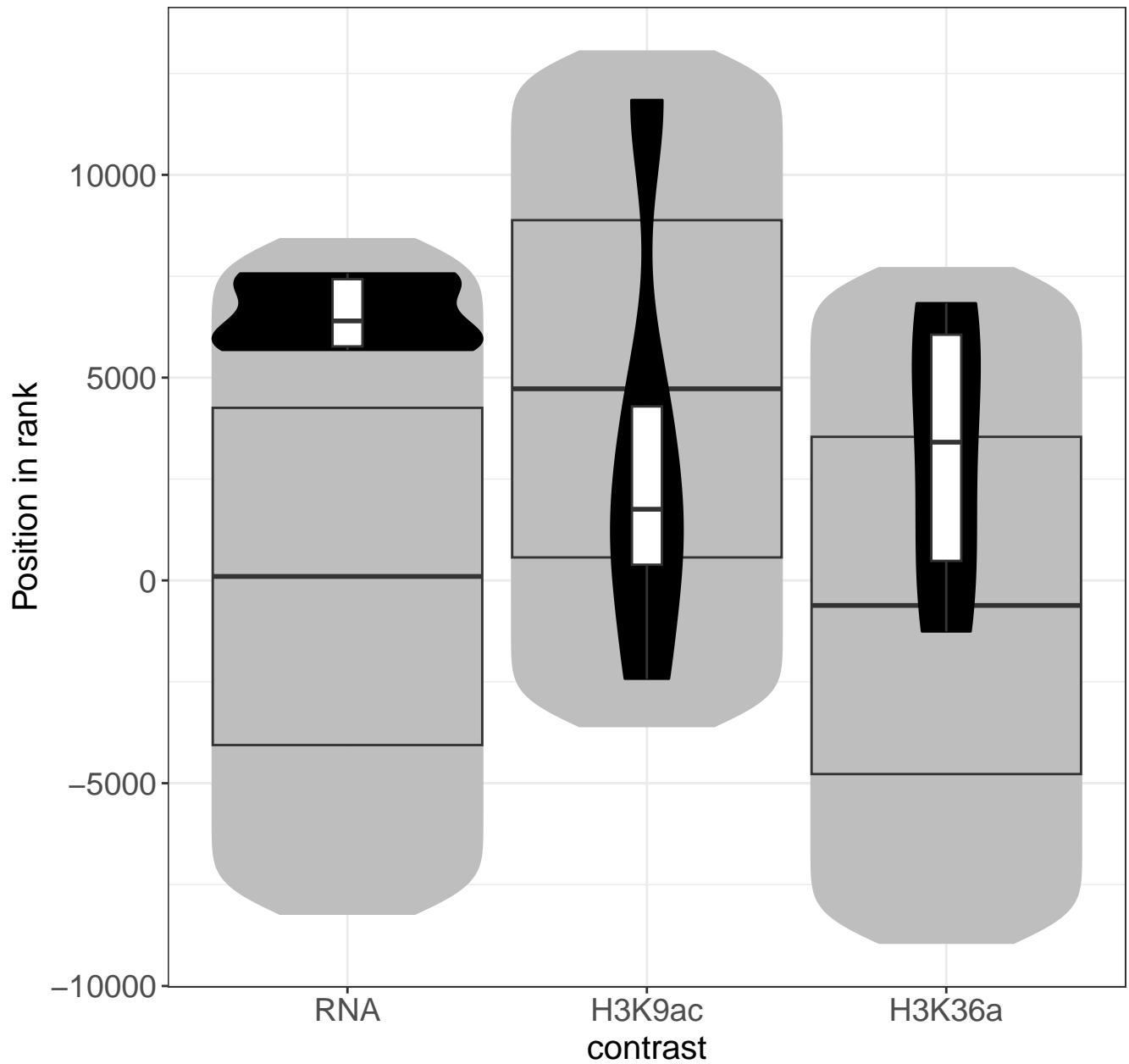
# GOBP POSITIVE REGULATION OF WOUND HEALING SPREADING OF EPIDE



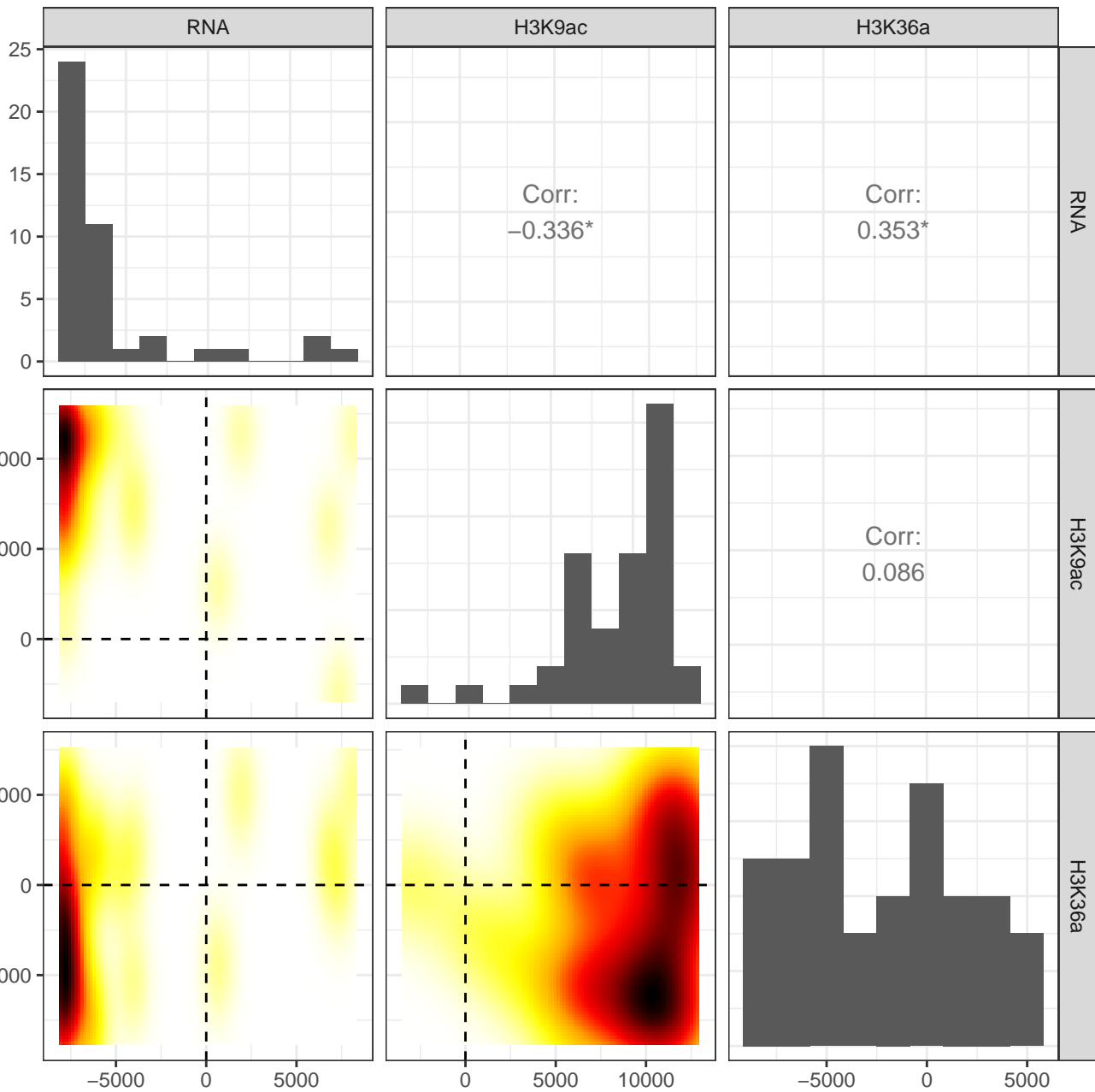
# GOBP POSITIVE REGULATION OF WOUND HEALING SPREADING OF EPIDE



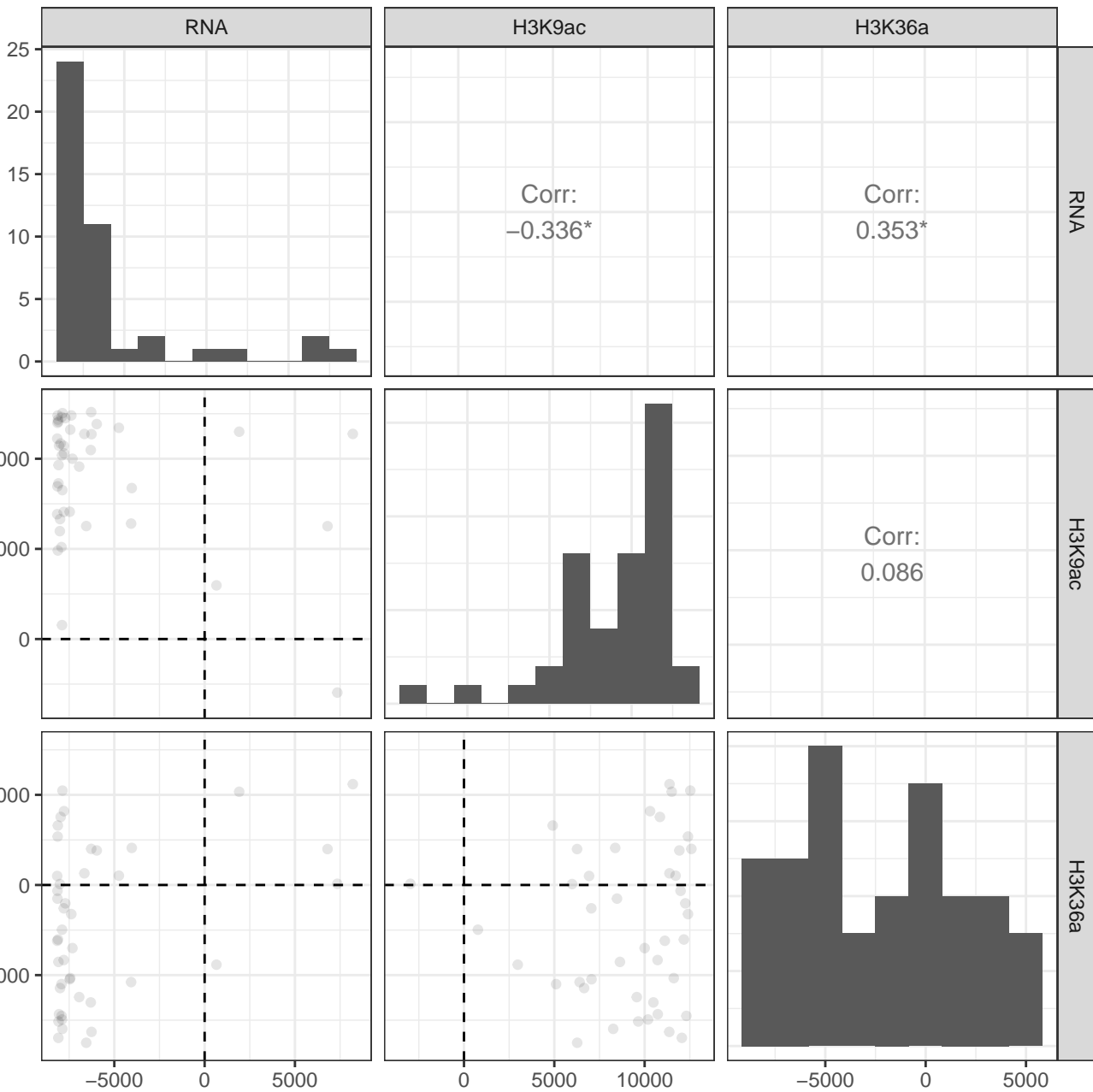
# GOBP POSITIVE REGULATION OF WOUND HEALING



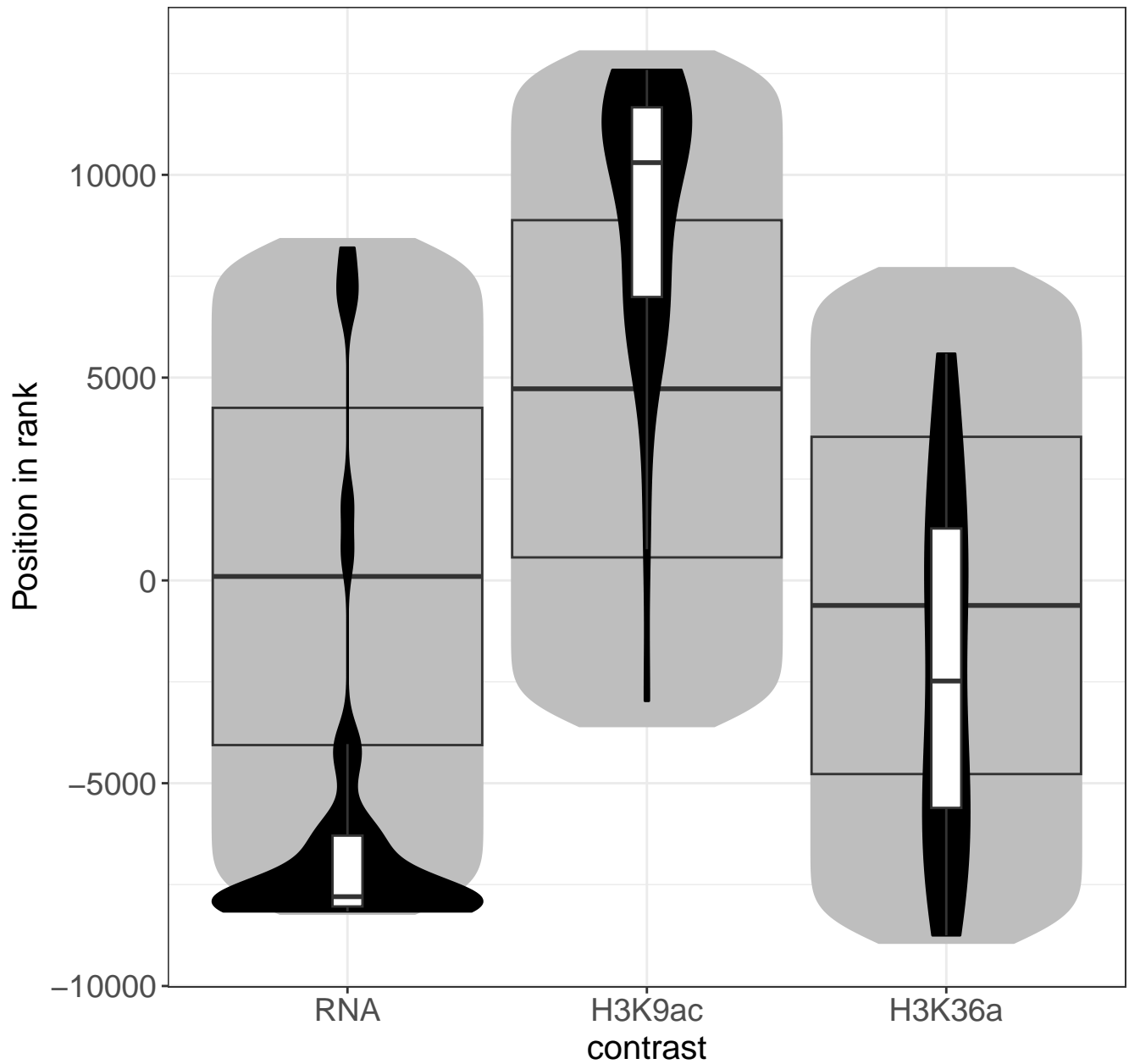
# GOCC CYTOSOLIC SMALL RIBOSOMAL SUBUNIT



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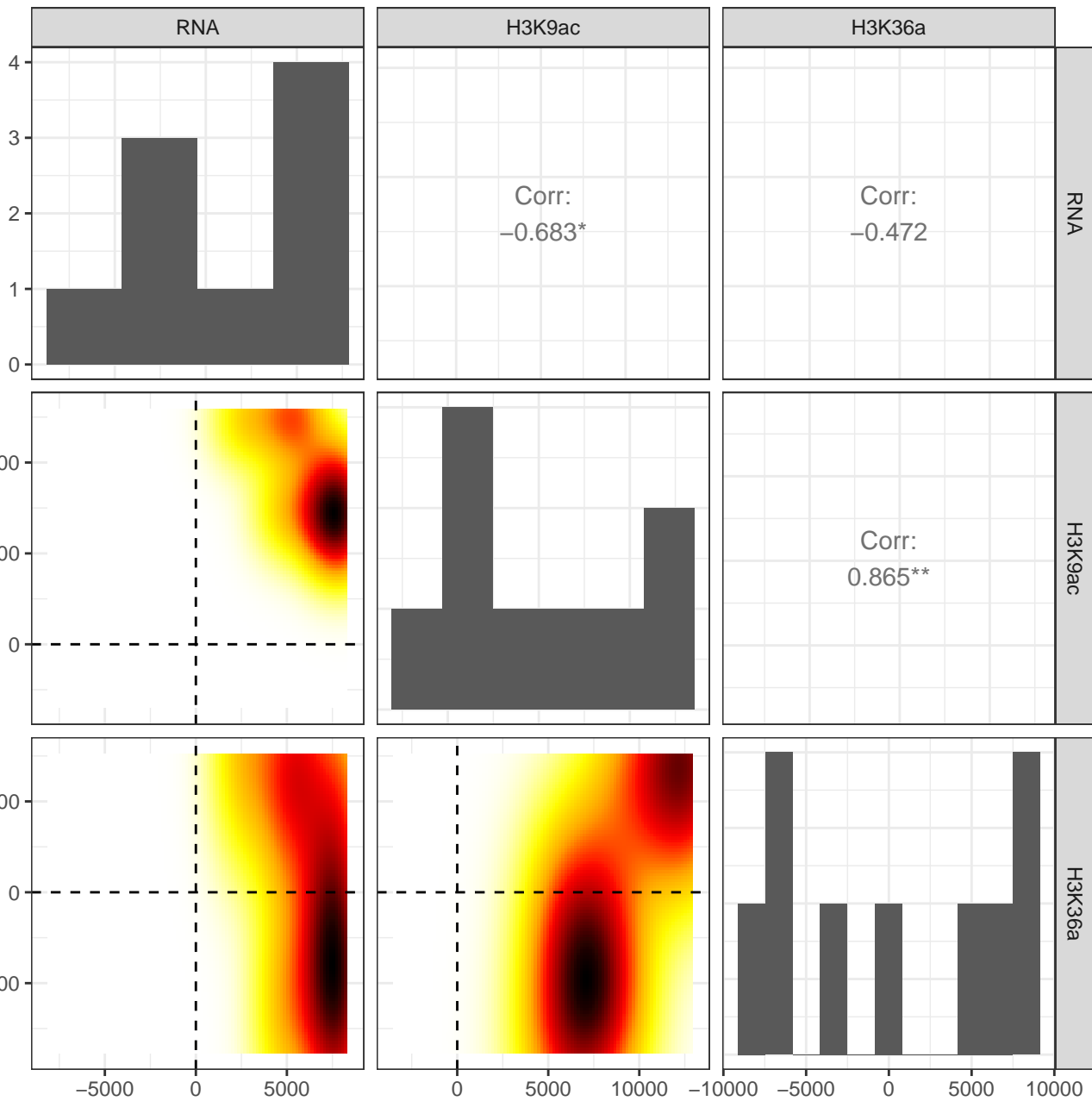


# GOCC CYTOSOLIC SMALL RIBOSOMAL SUBU

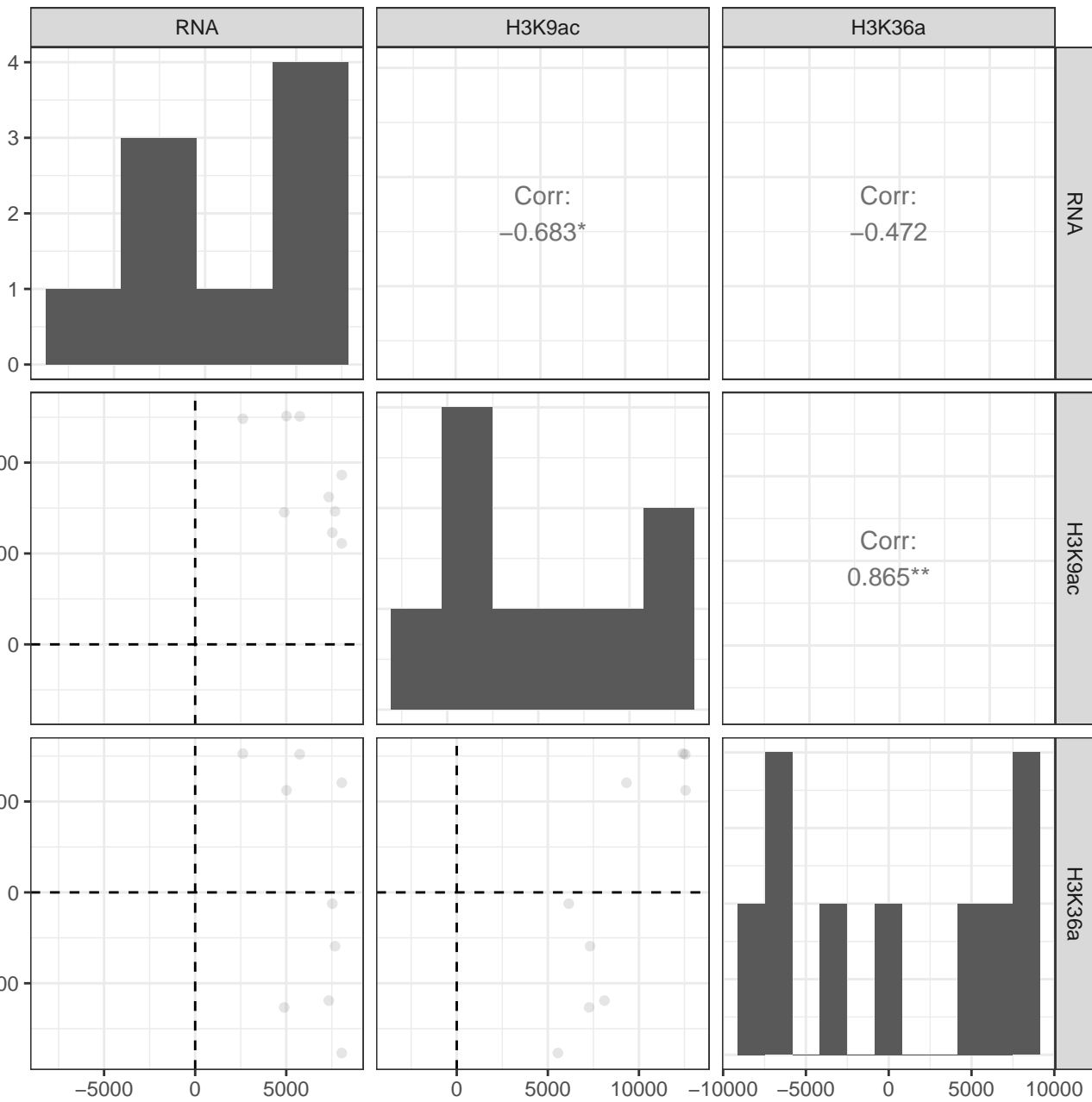




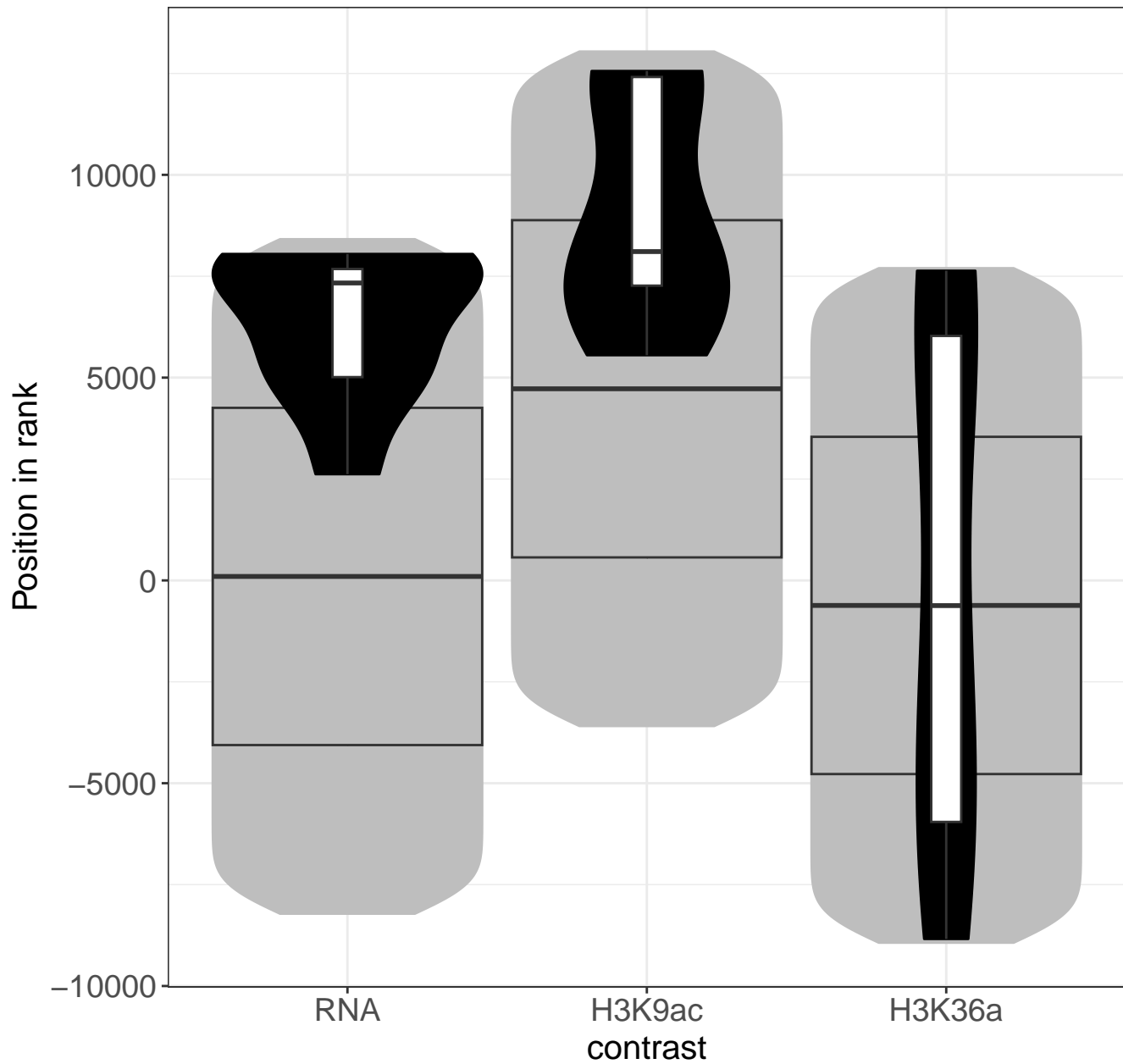
# GOBP DORSAL AORTA DEVELOPMENT



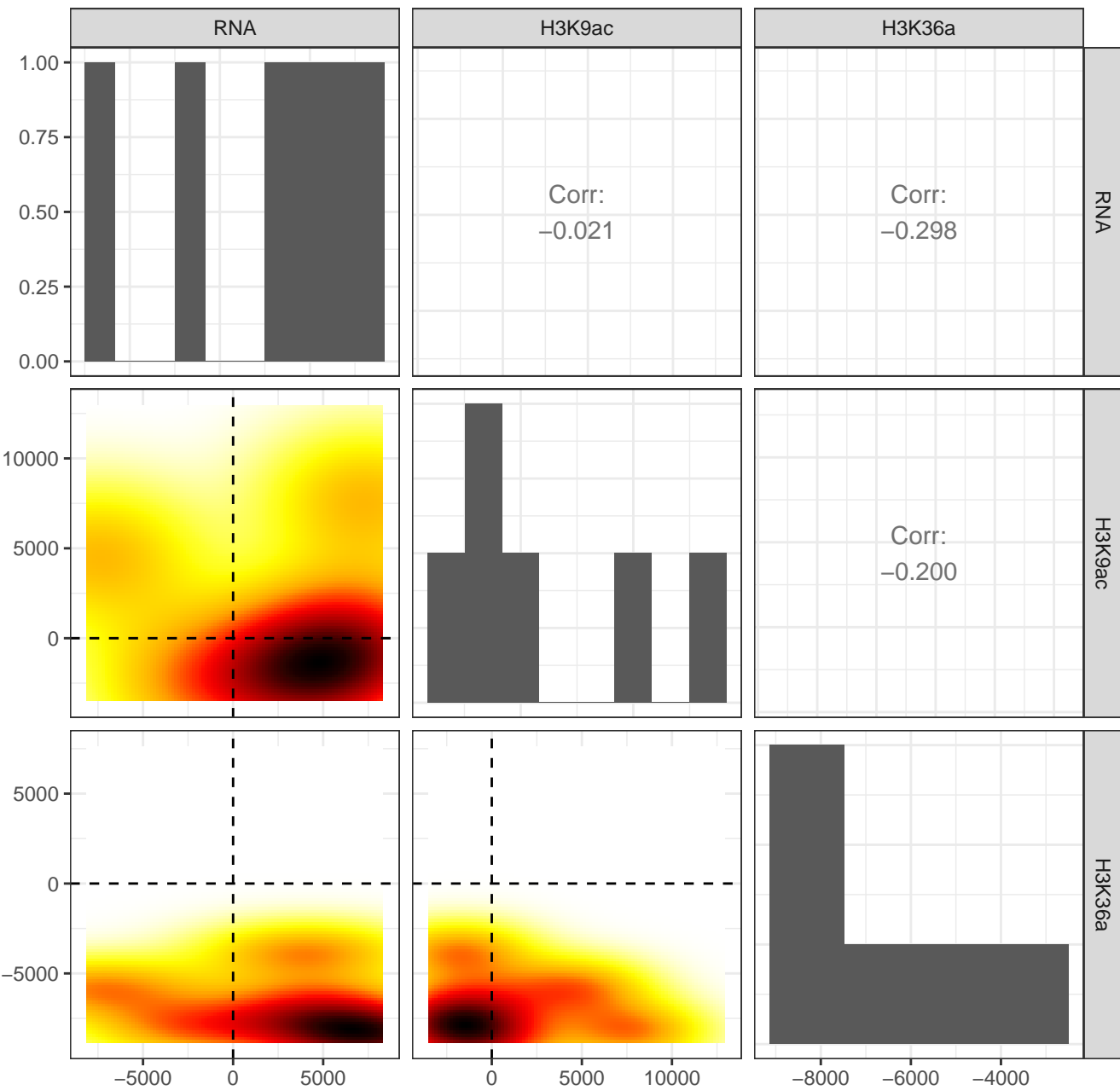
# GOBP DORSAL AORTA DEVELOPMENT



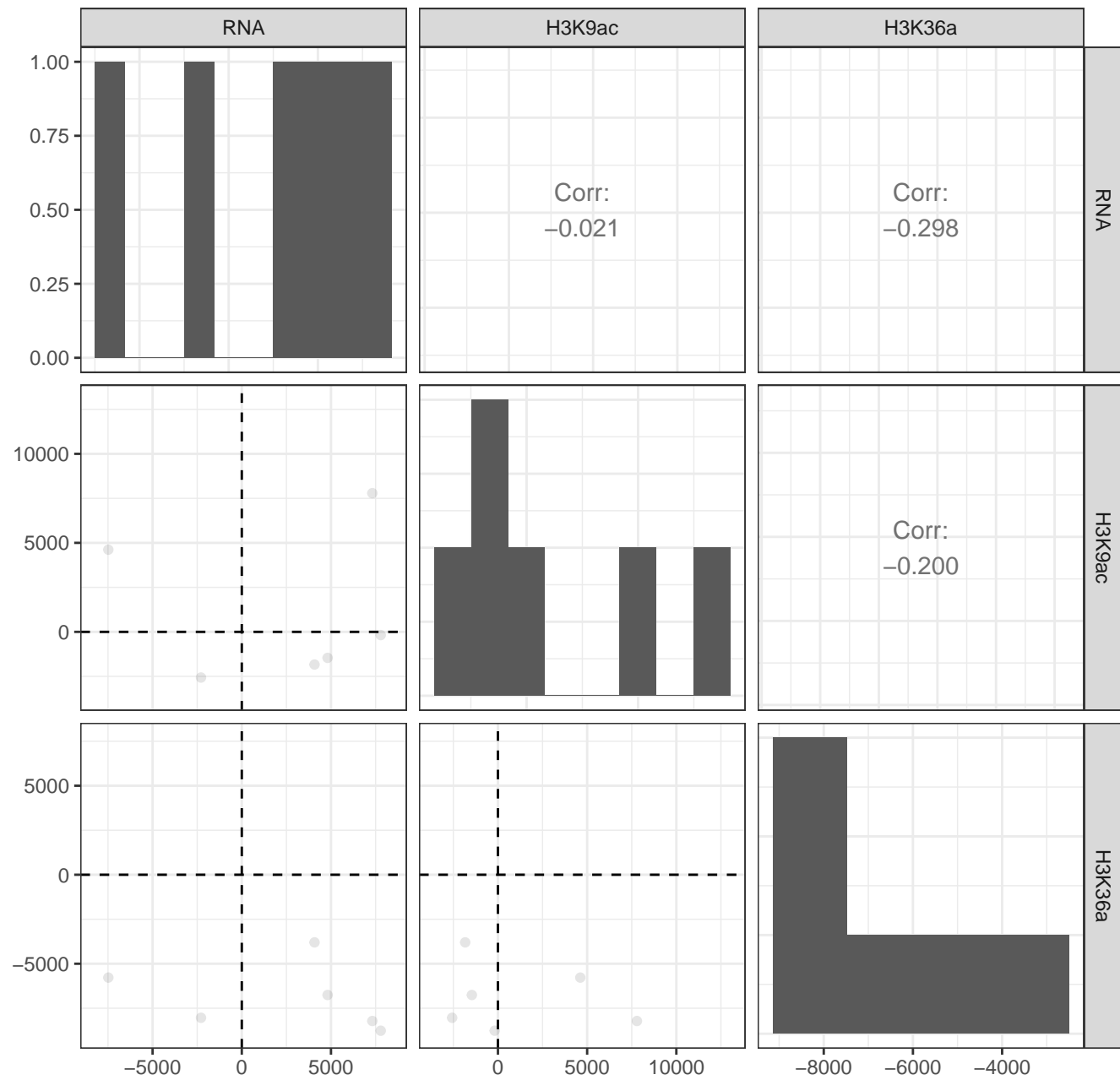
# GOBP DORSAL AORTA DEVELOPMENT



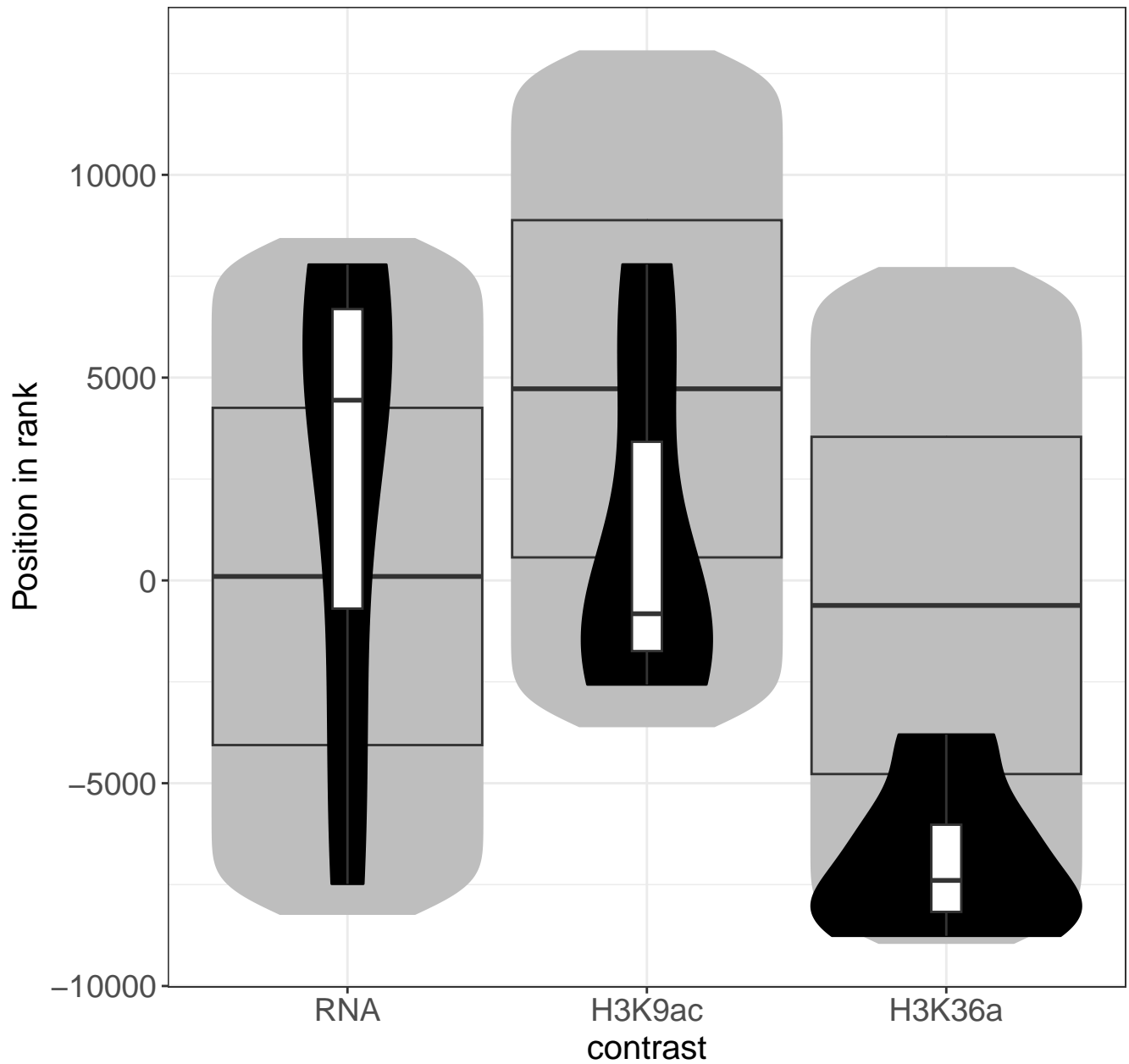
# GOMF IMMUNOGLOBULIN RECEPTOR BINDING



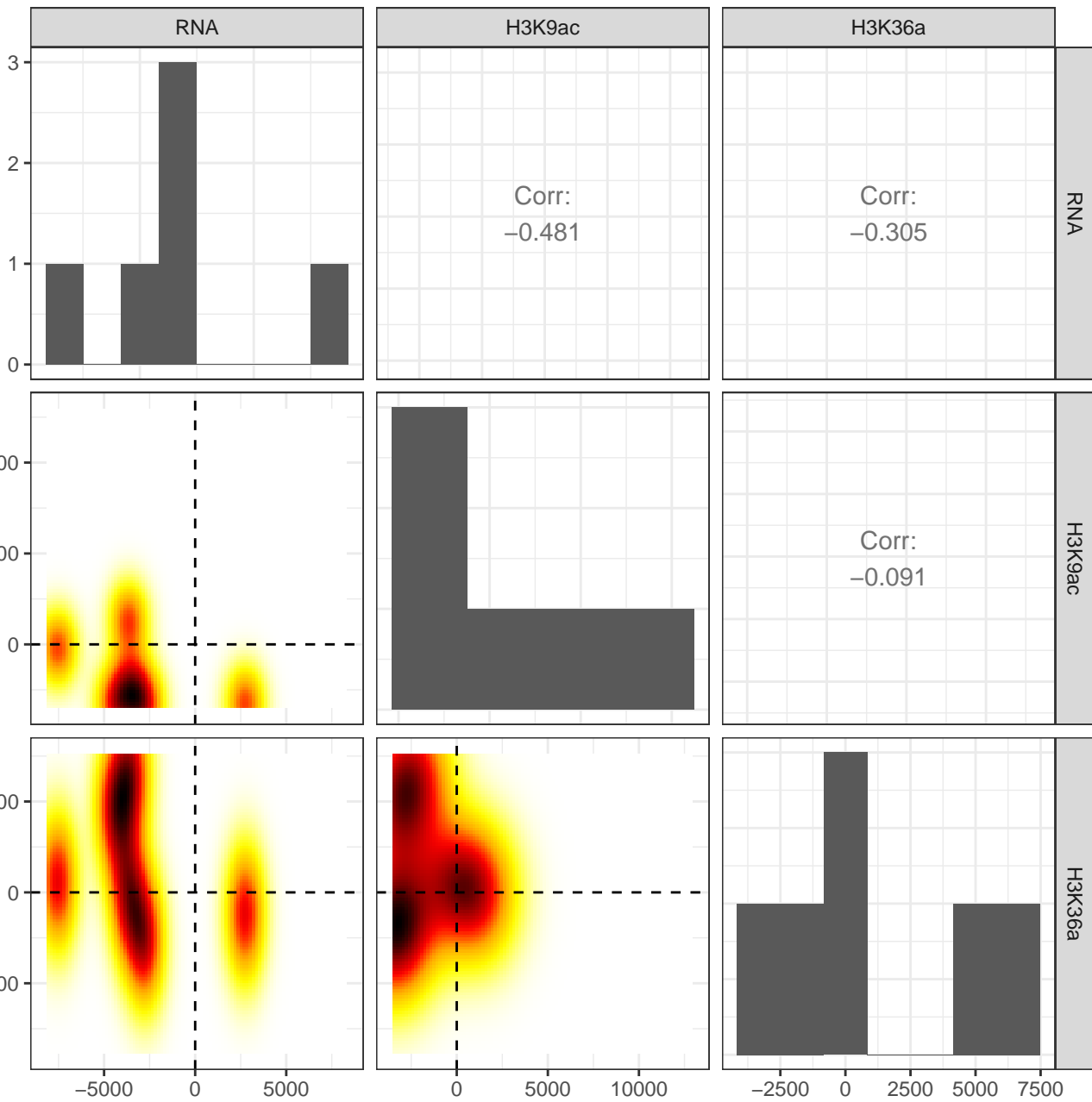
# GOMF IMMUNOGLOBULIN RECEPTOR BINDING



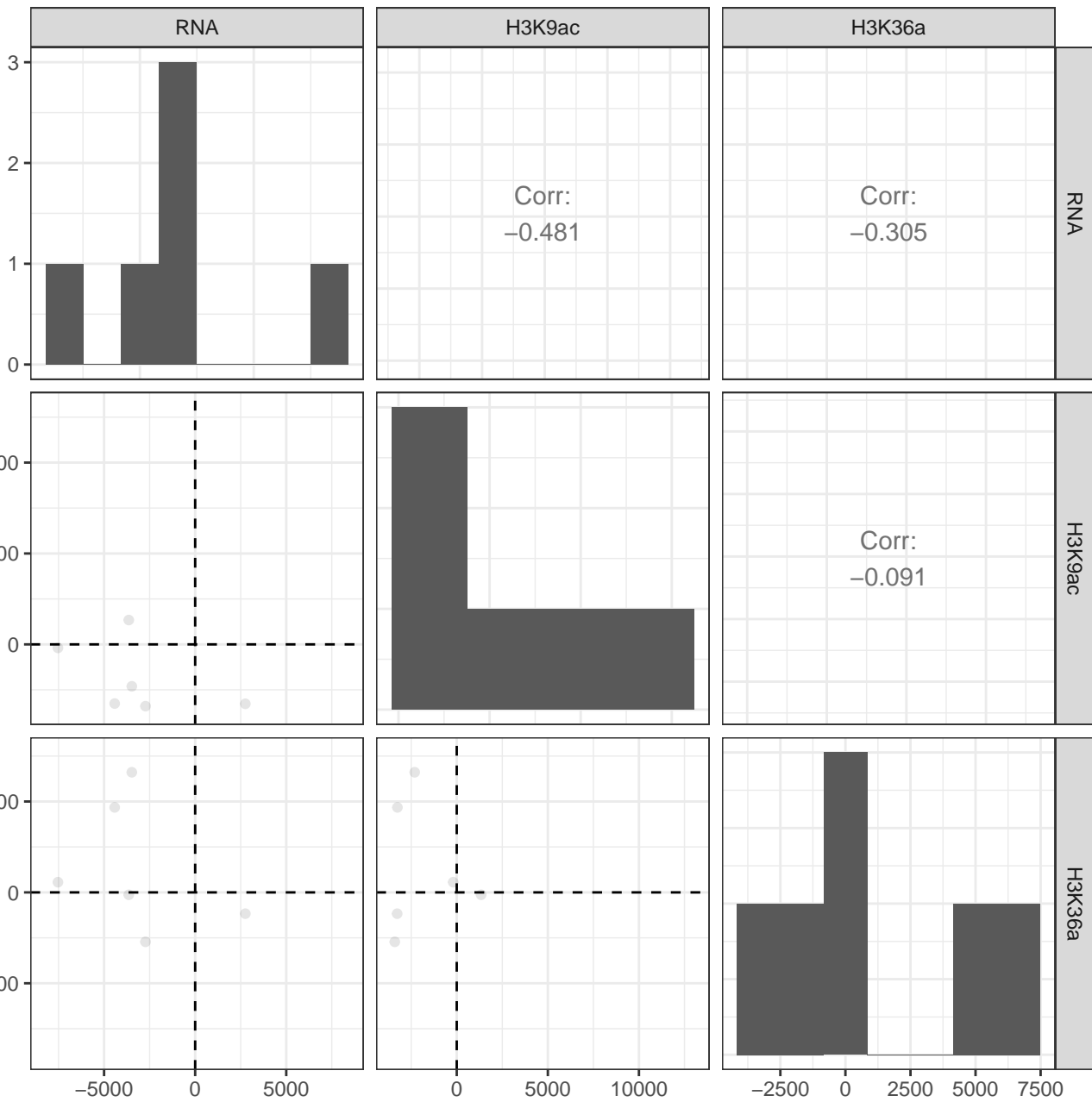
# GOMF IMMUNOGLOBULIN RECEPTOR BINDING



# GOMF GABA A RECEPTOR ACTIVITY

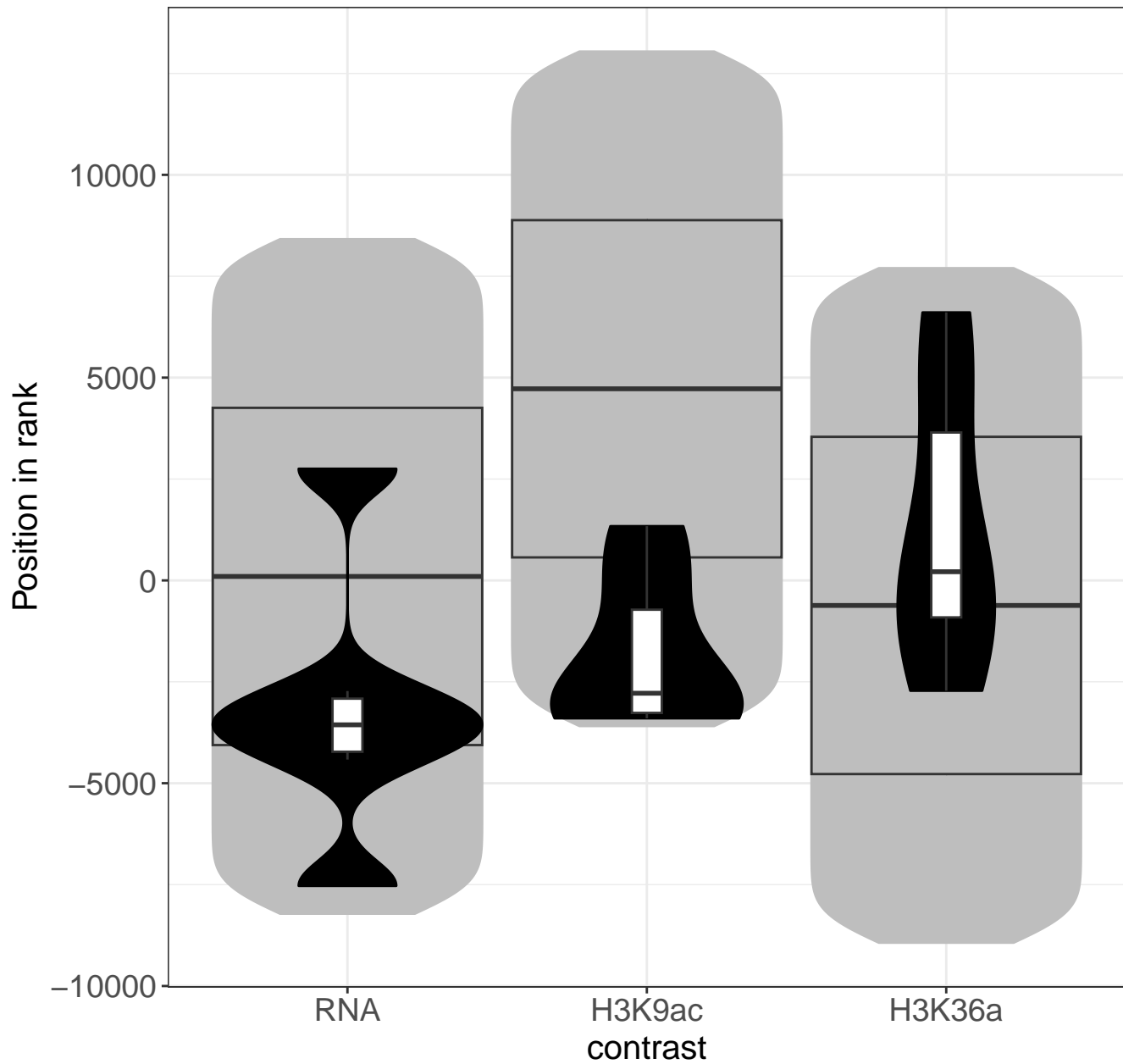


# GOMF GABA A RECEPTOR ACTIVITY

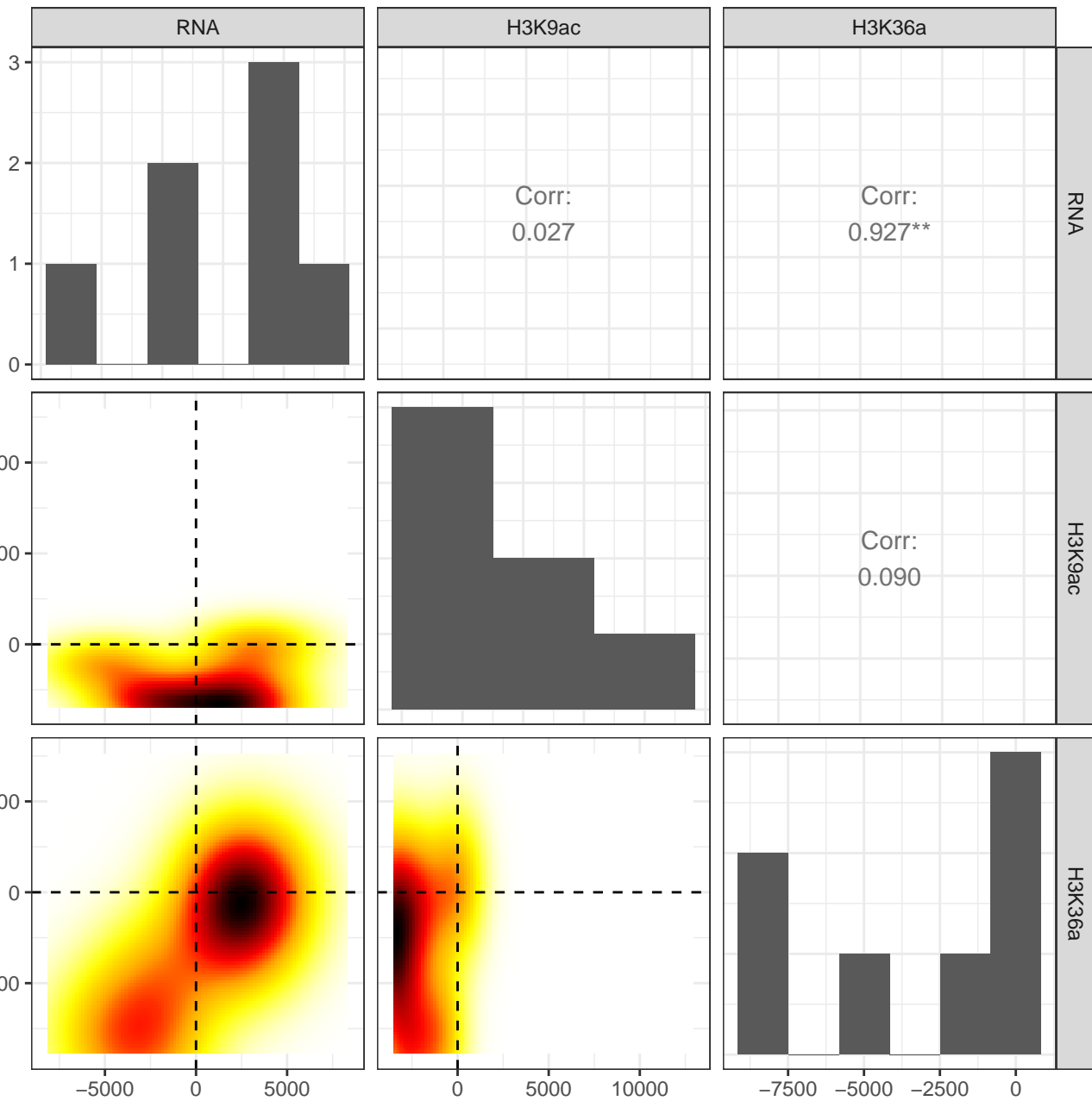




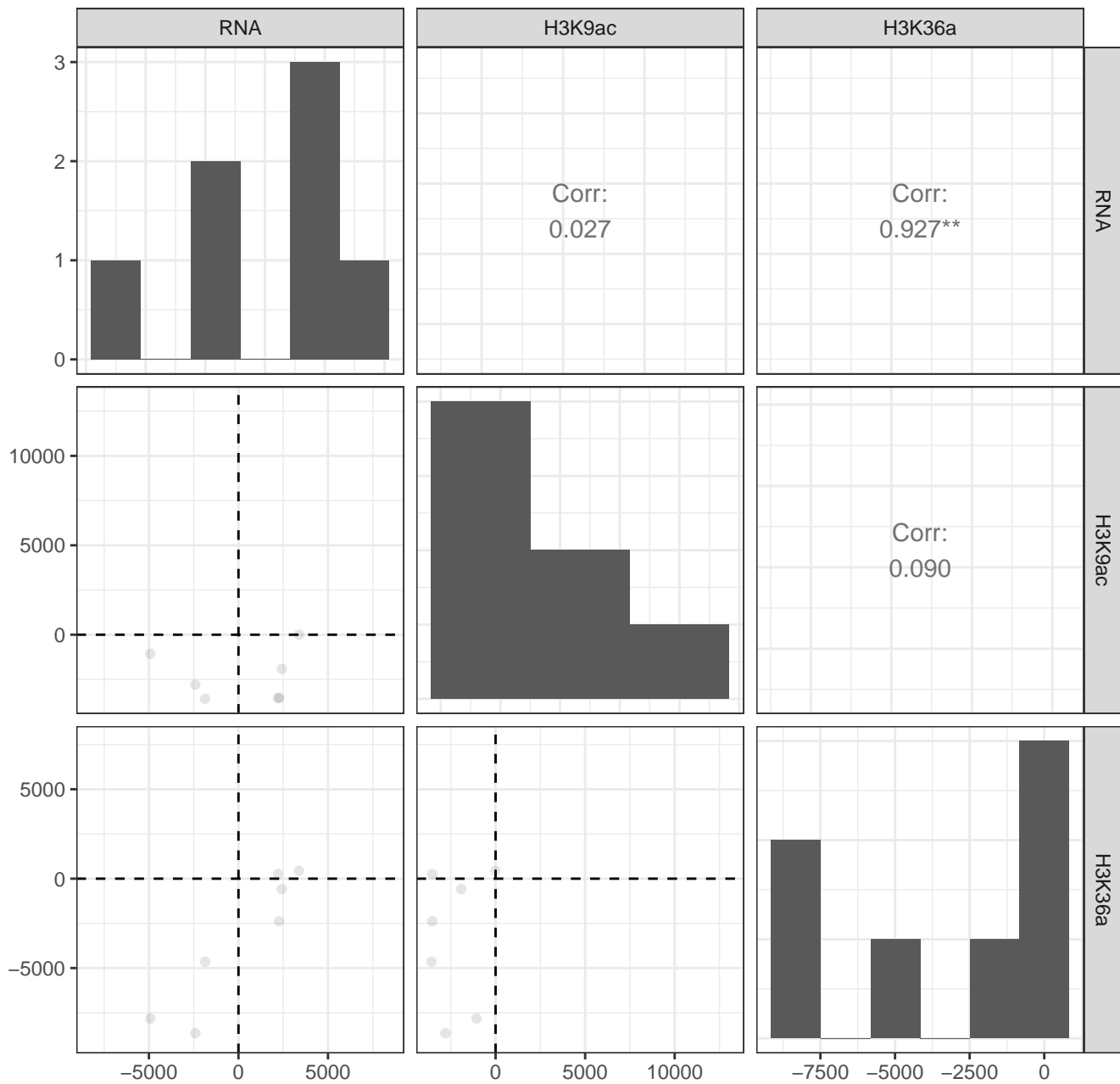
# GOMF GABA A RECEPTOR ACTIVITY



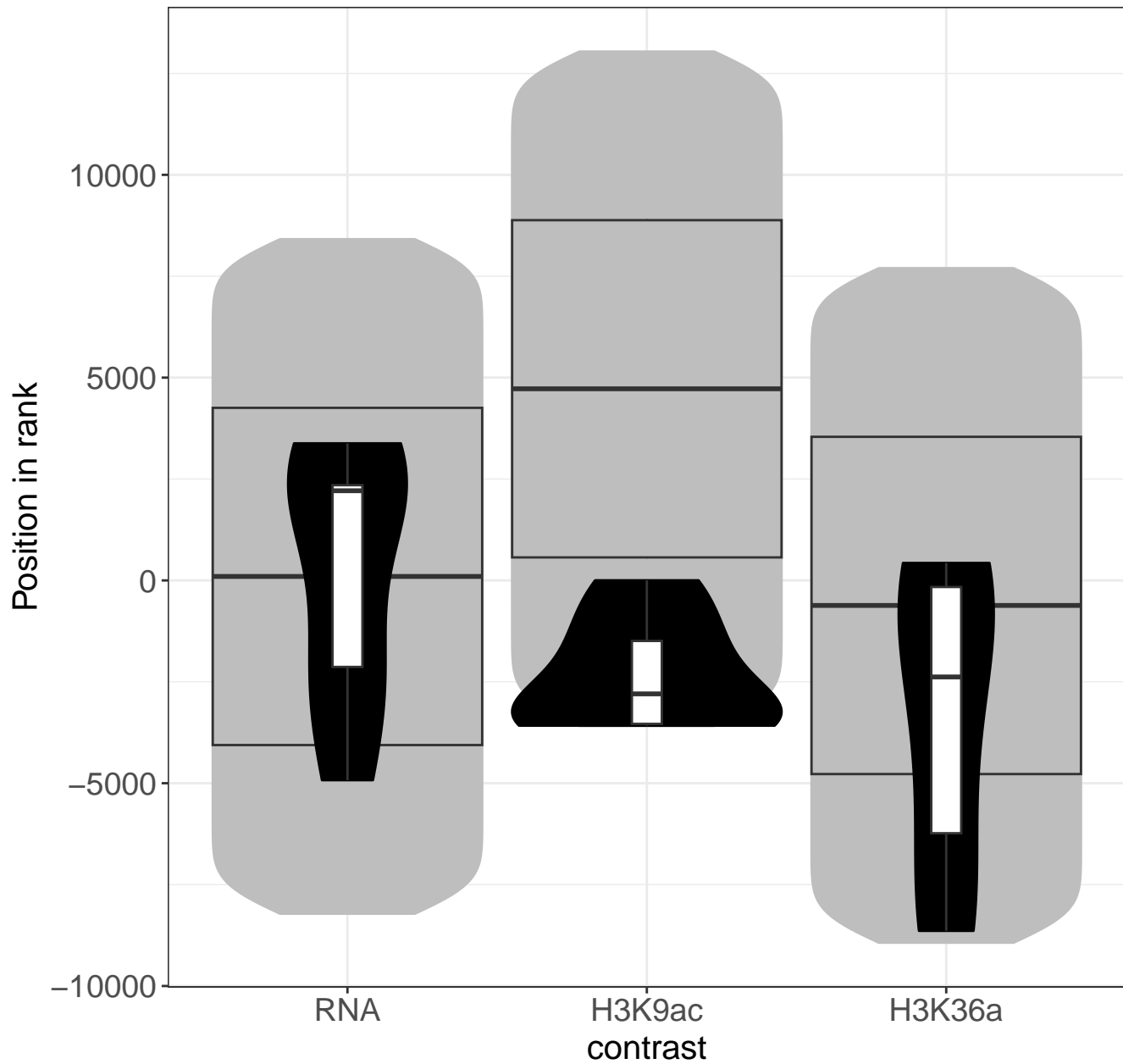
# GOMF SIALIC ACID BINDING



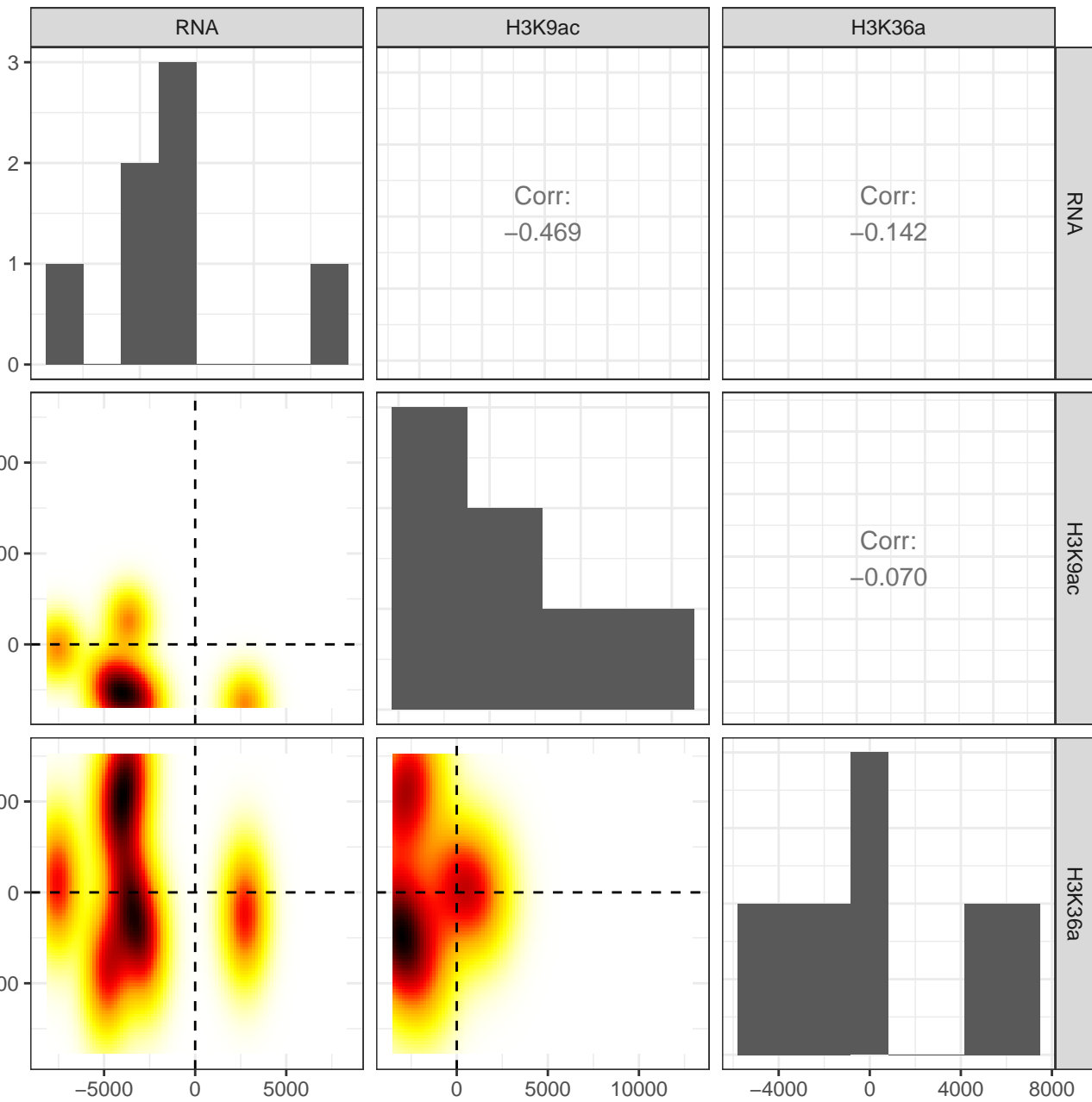
# GOMF SIALIC ACID BINDING



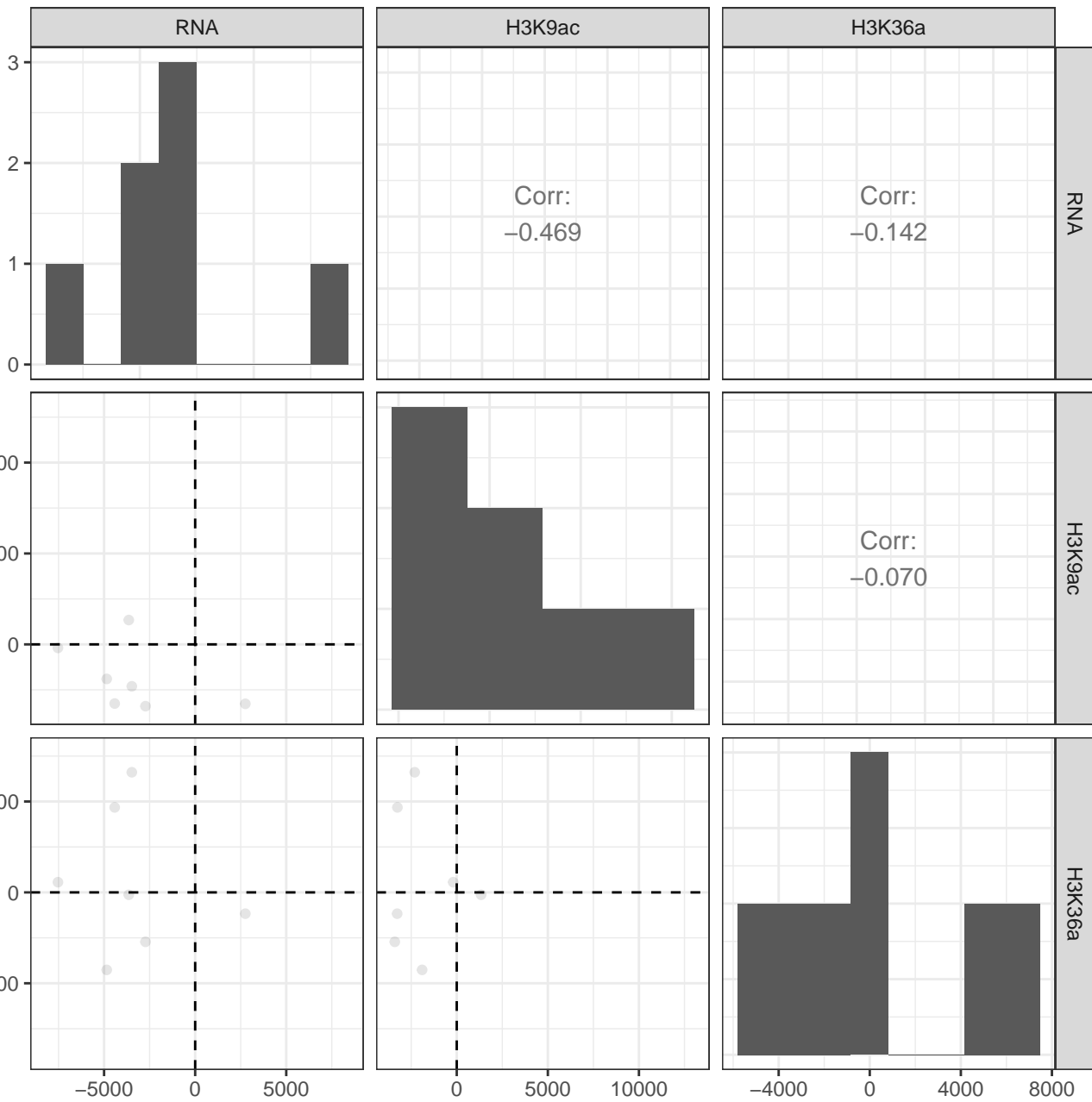
# GOMF SIALIC ACID BINDING



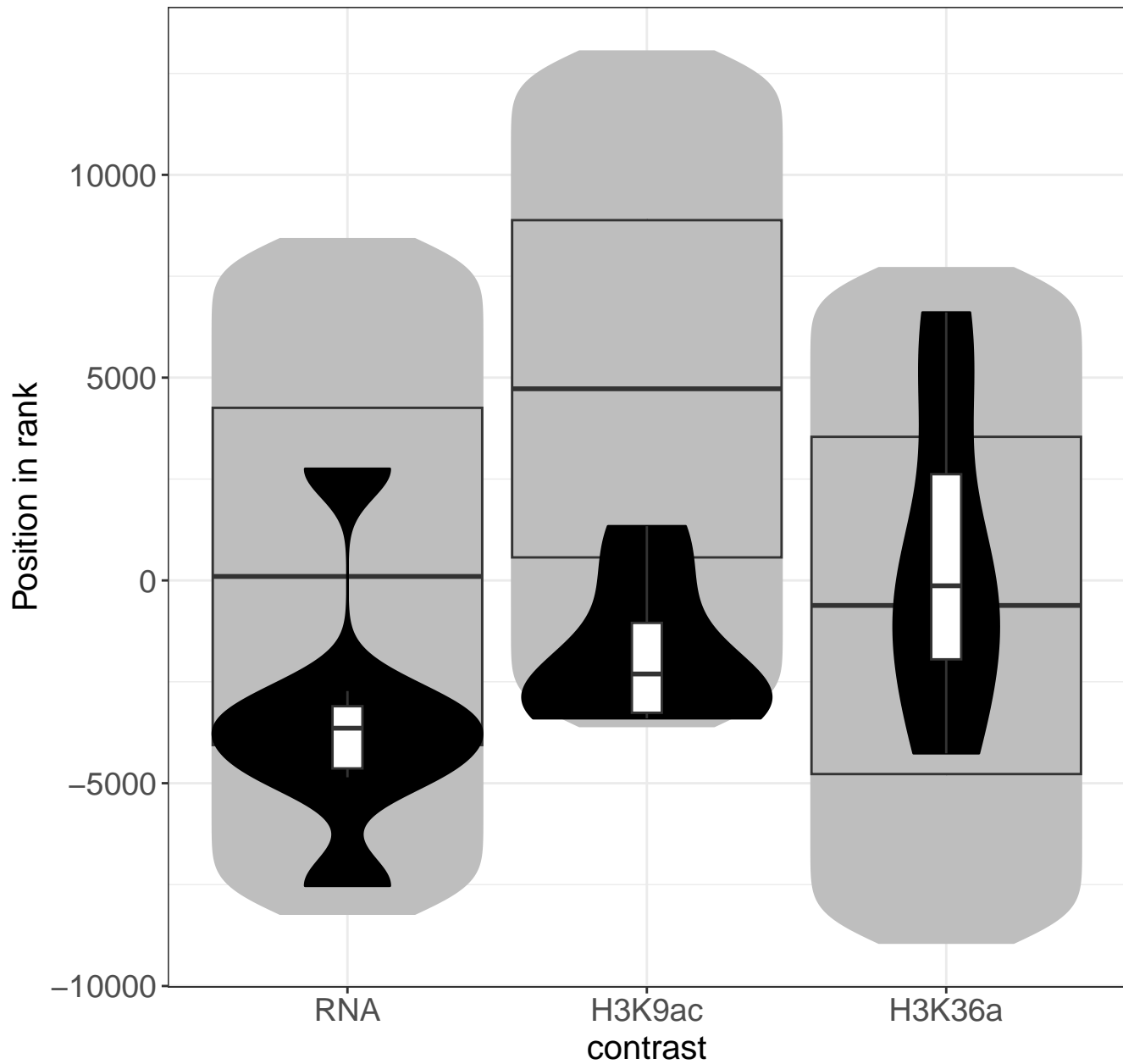
# GOCC GABA RECEPTOR COMPLEX



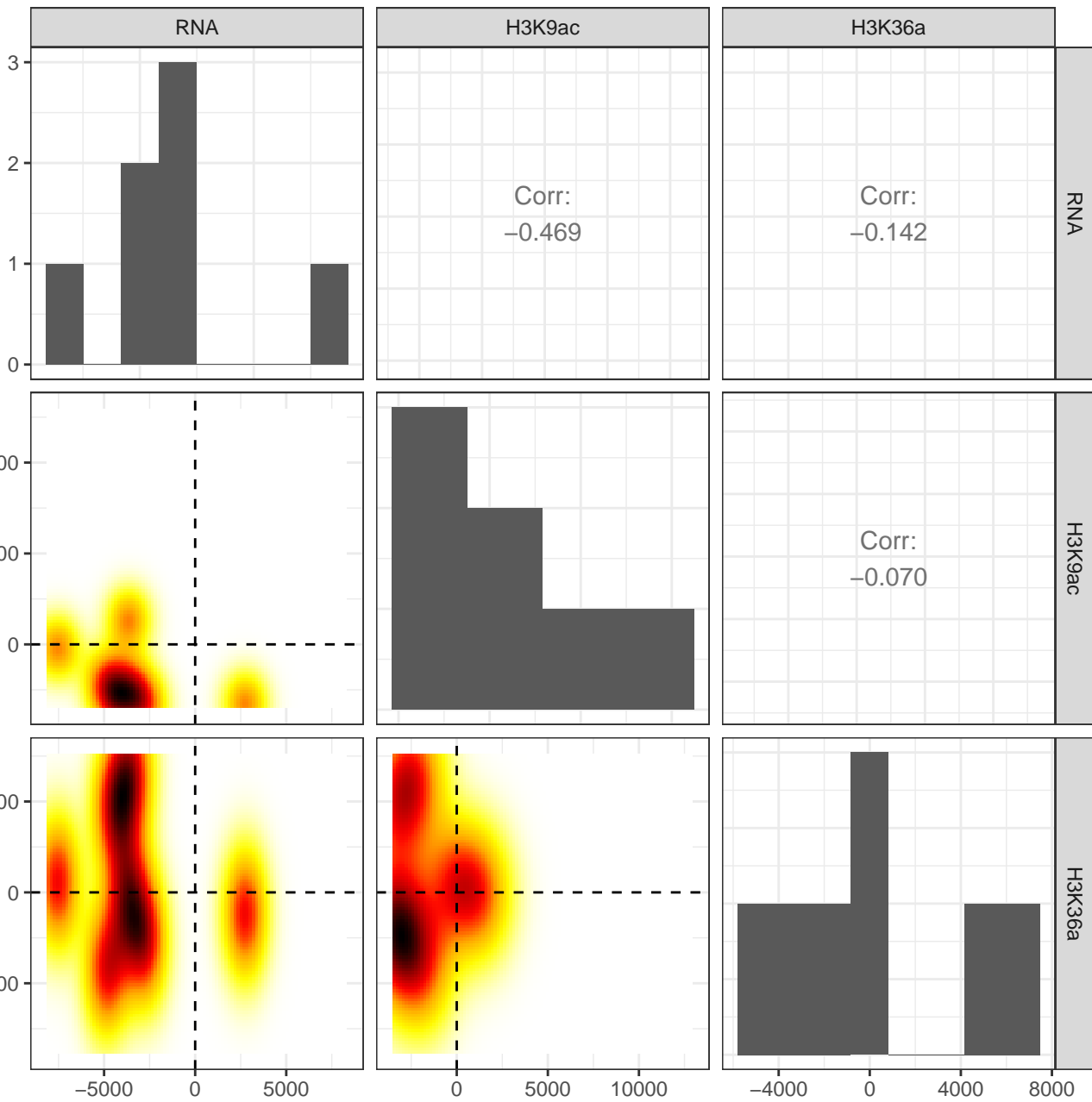
# GOCC GABA RECEPTOR COMPLEX



# GOCC GABA RECEPTOR COMPLEX

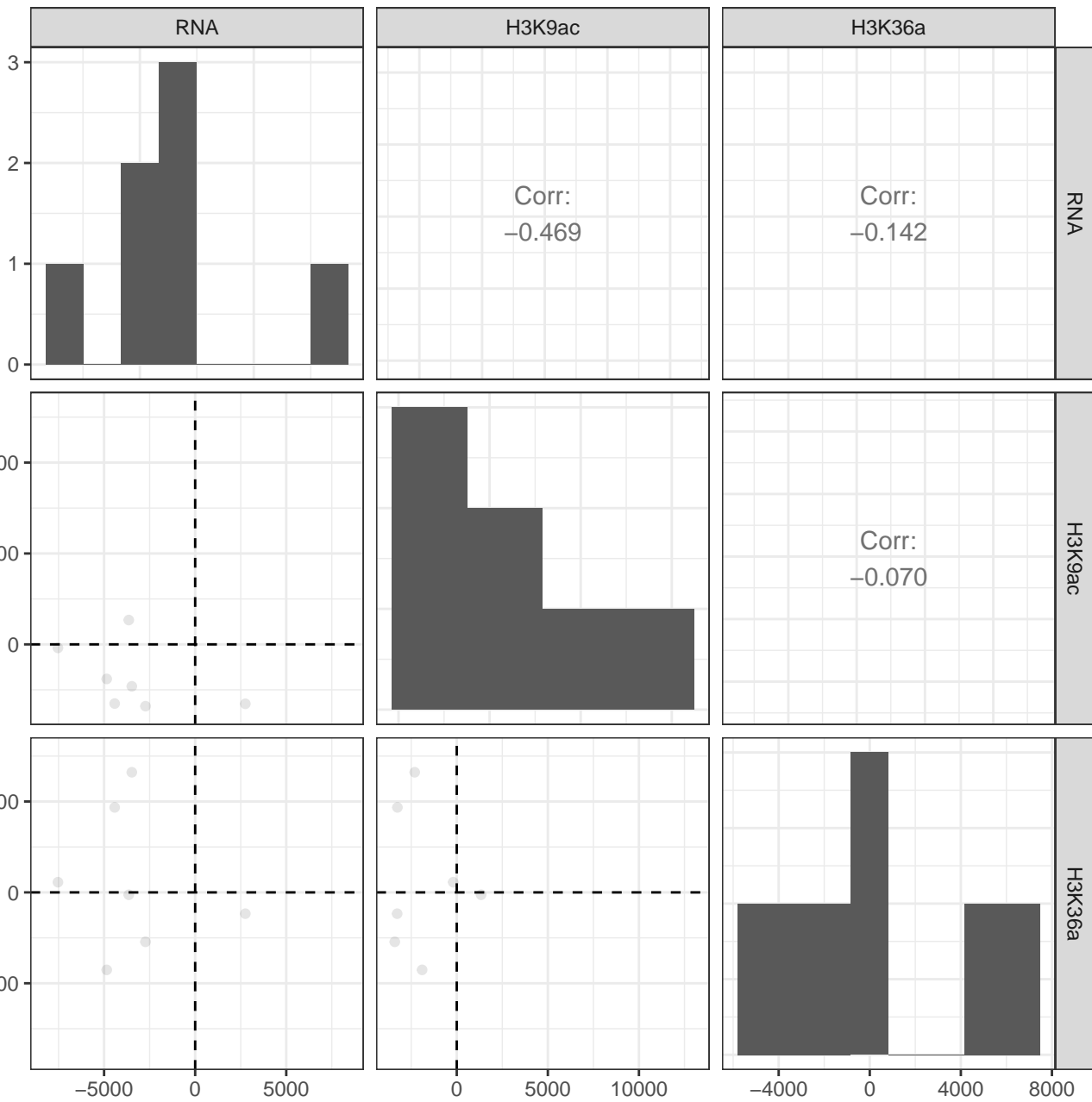


# GOMF GABA RECEPTOR ACTIVITY

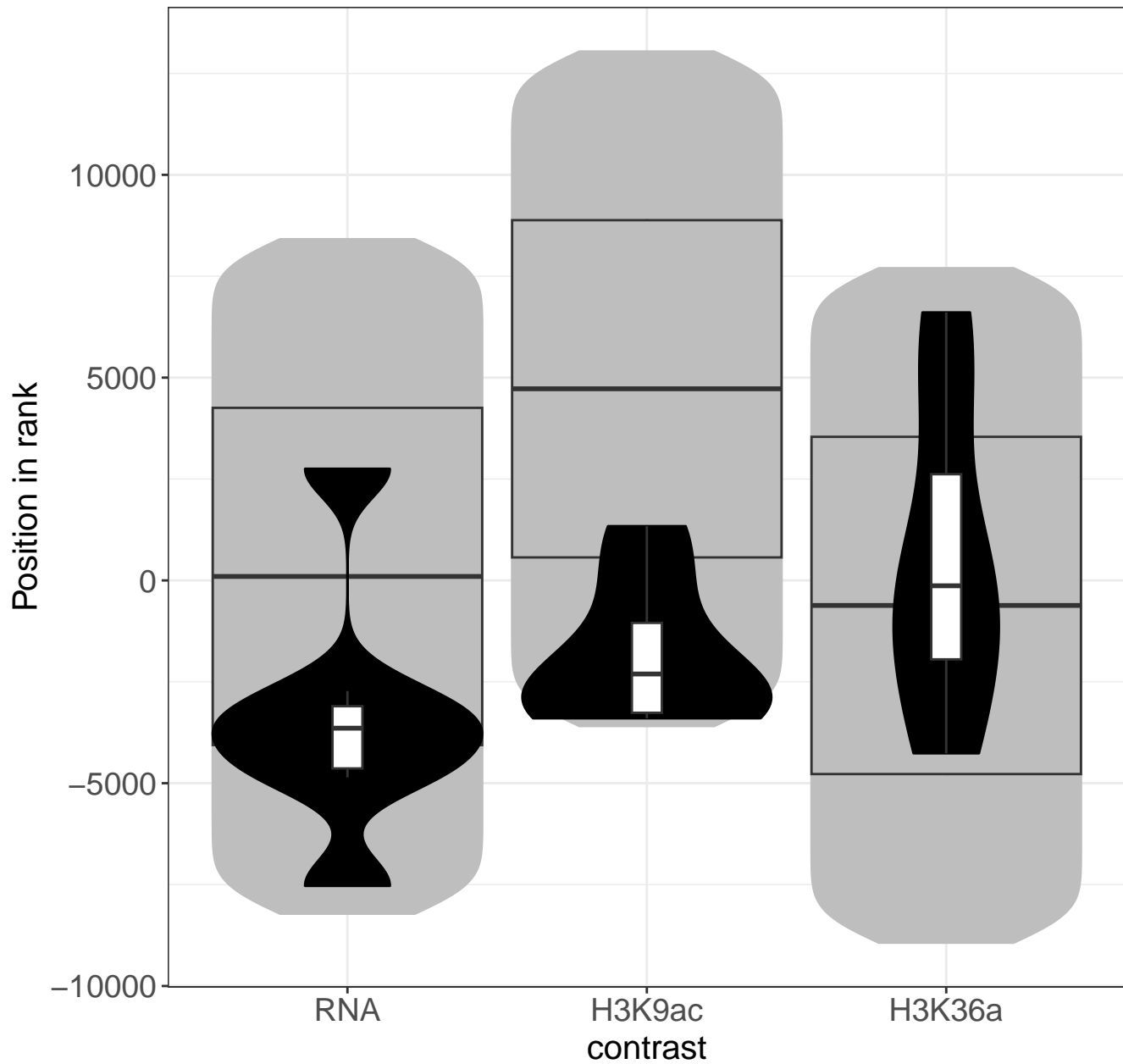




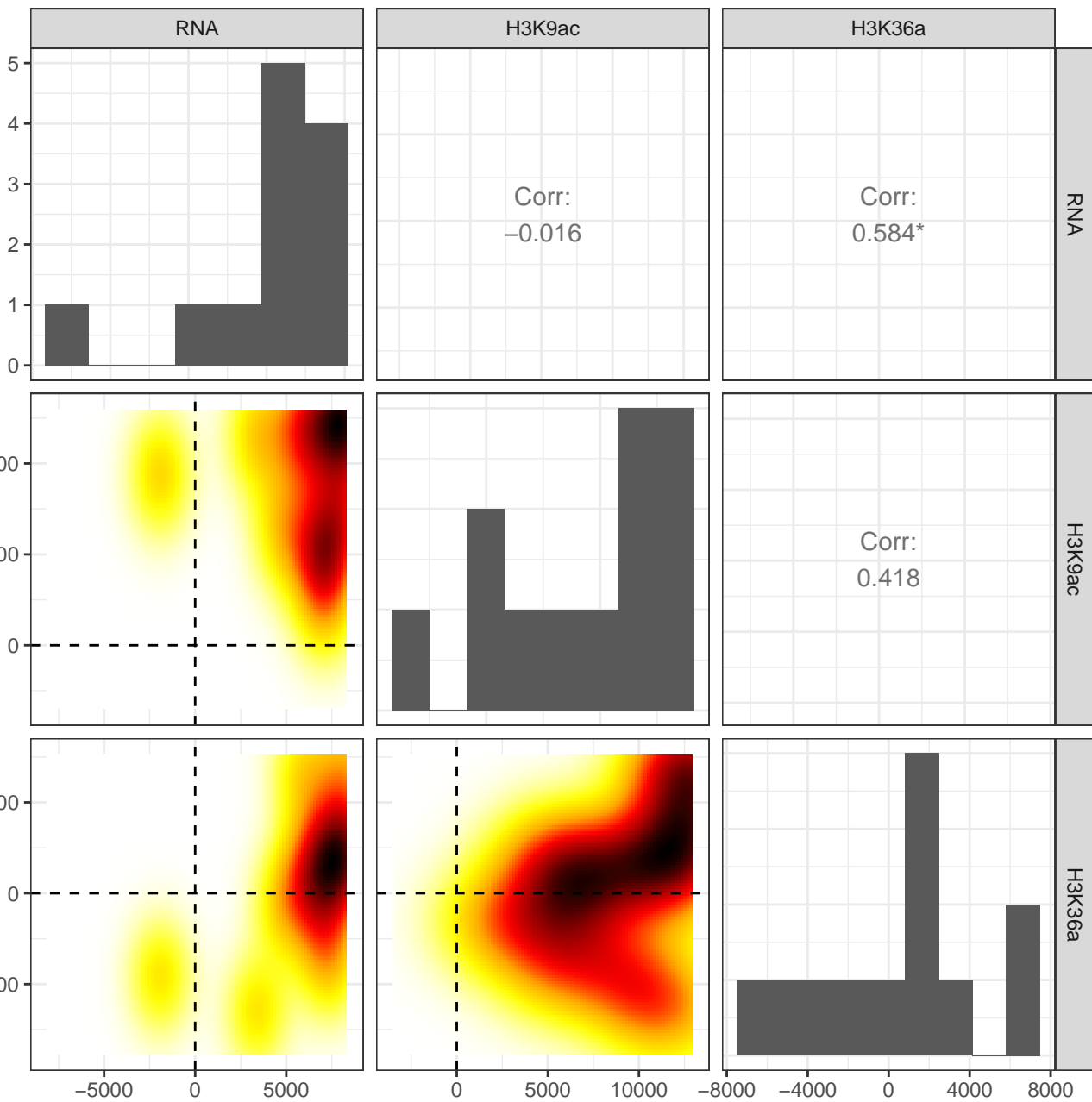
# GOMF GABA RECEPTOR ACTIVITY



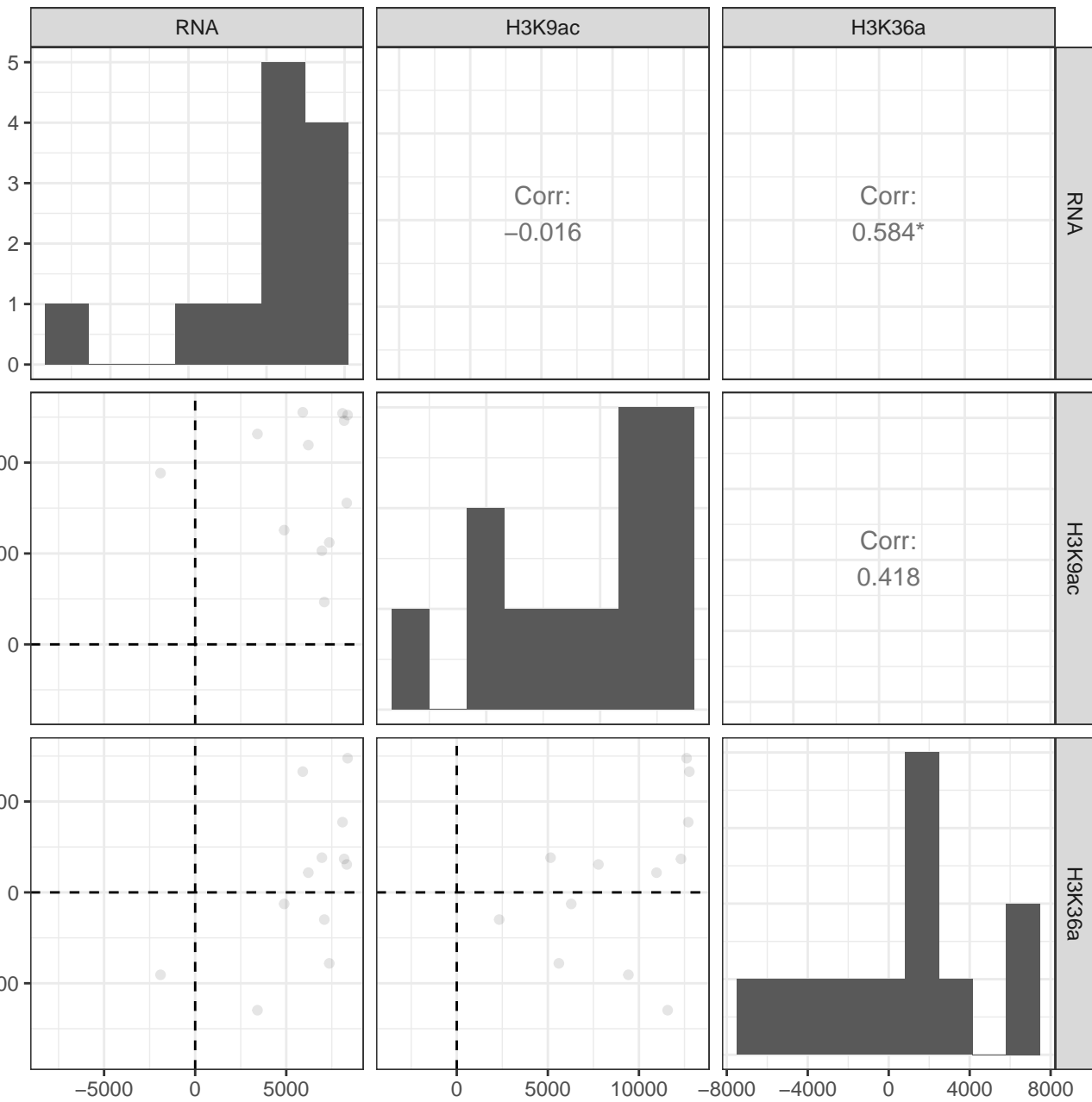
# GOMF GABA RECEPTOR ACTIVITY



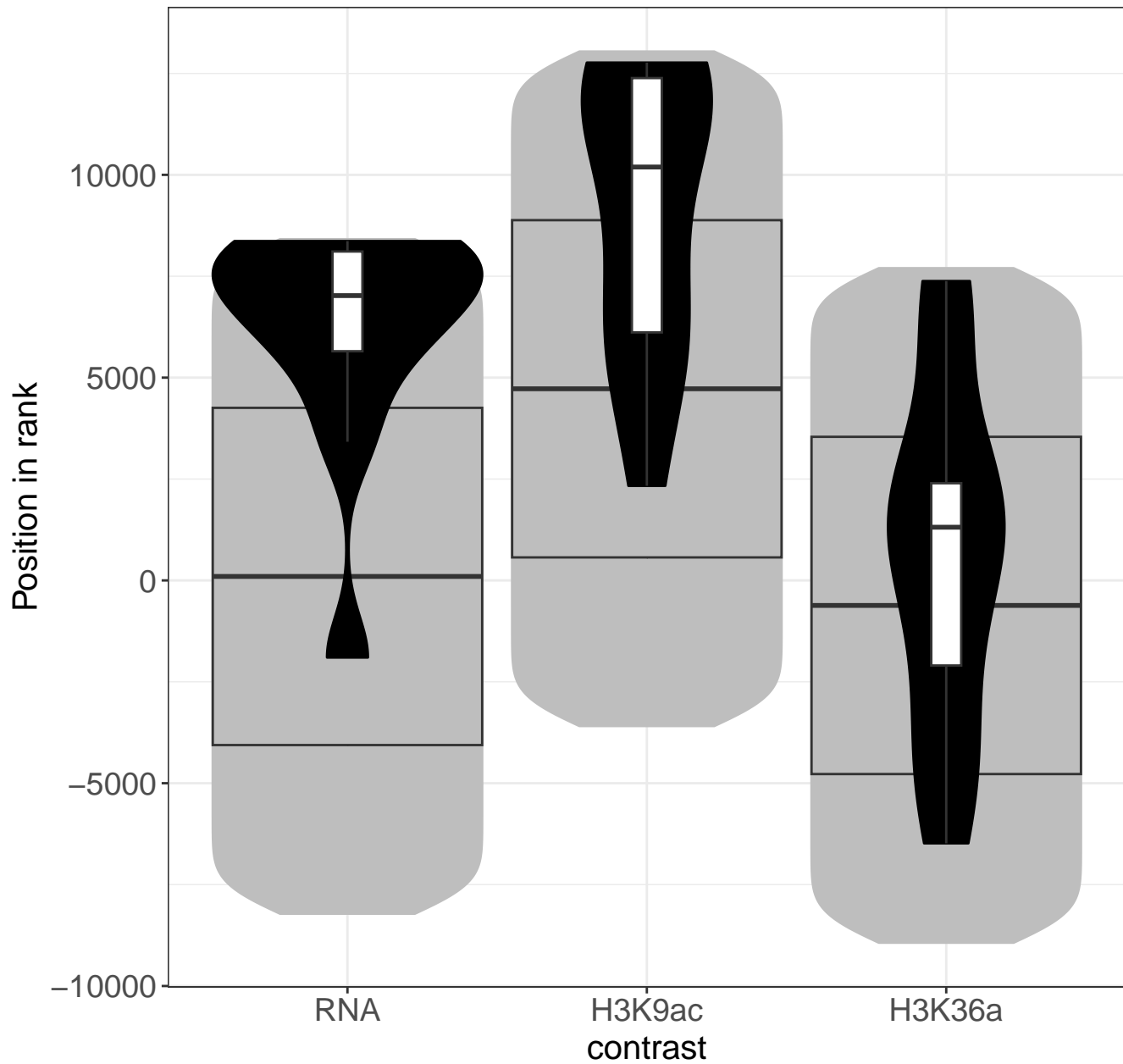
# GOBP POSITIVE REGULATION OF NUCLEAR TRANSCRIBED MRNA CATABOLISM



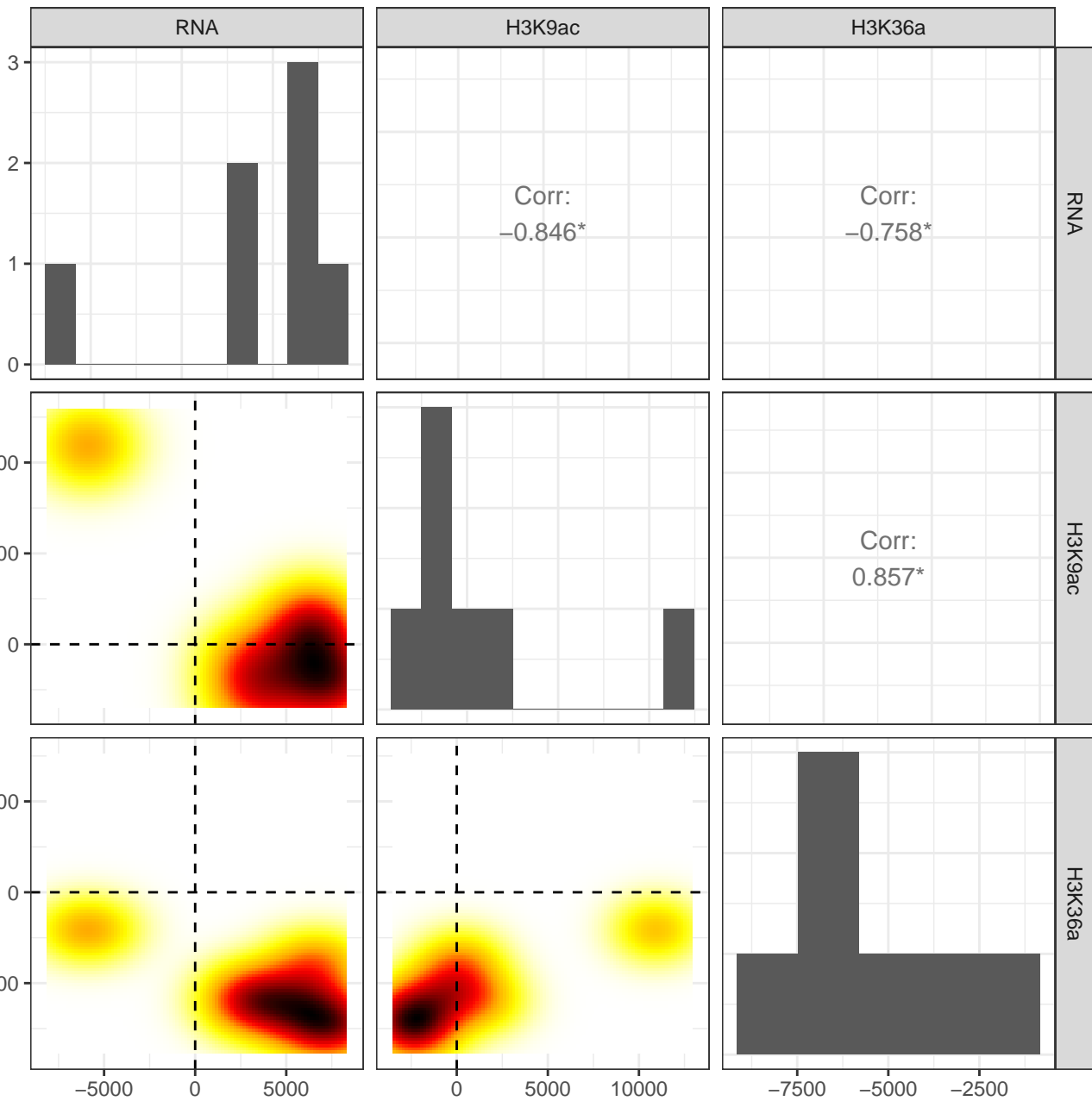
# GOBP POSITIVE REGULATION OF NUCLEAR TRANSCRIBED MRNA CATABOLISM



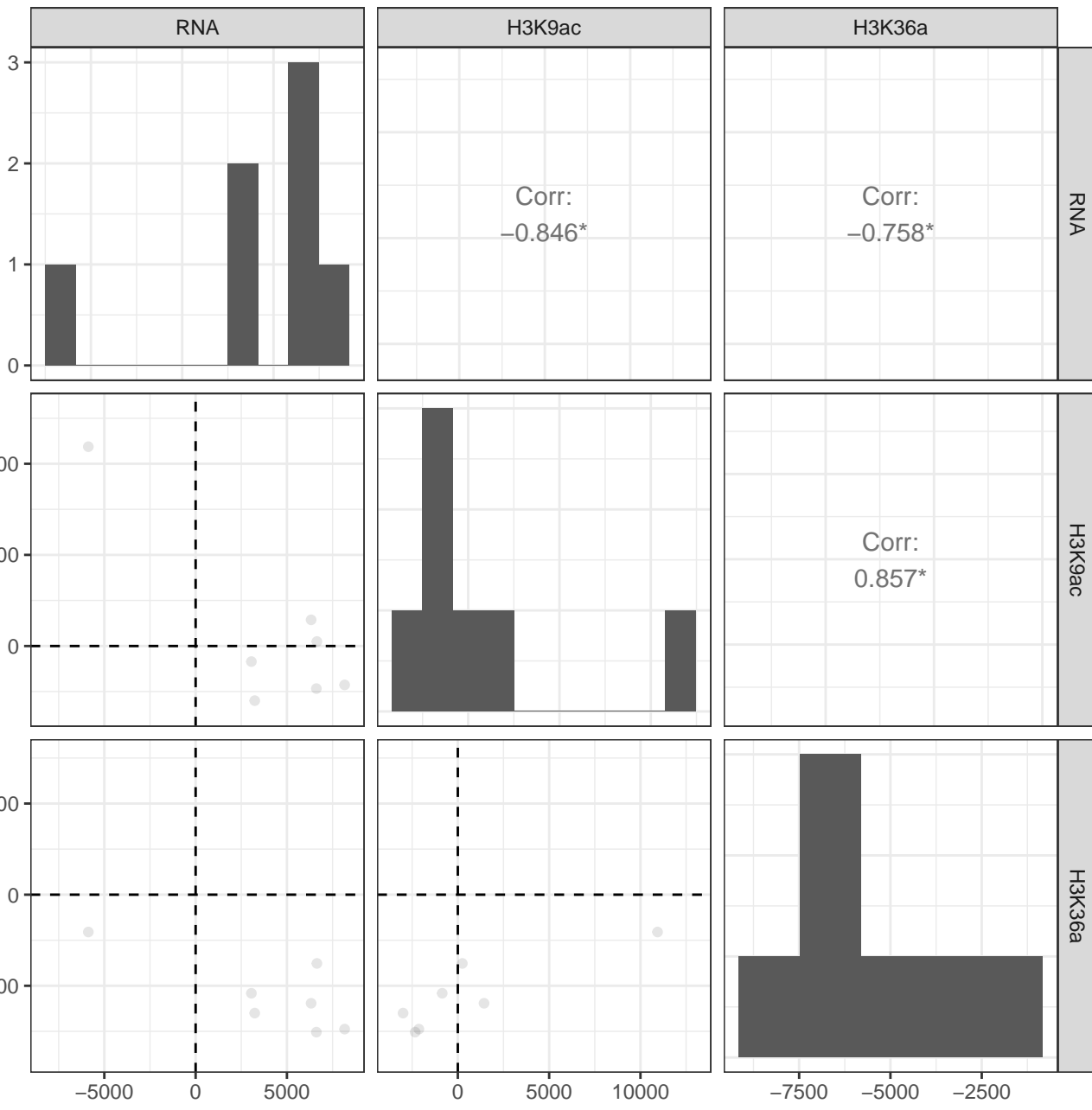
# GOBP POSITIVE REGULATION OF NUCLEAR



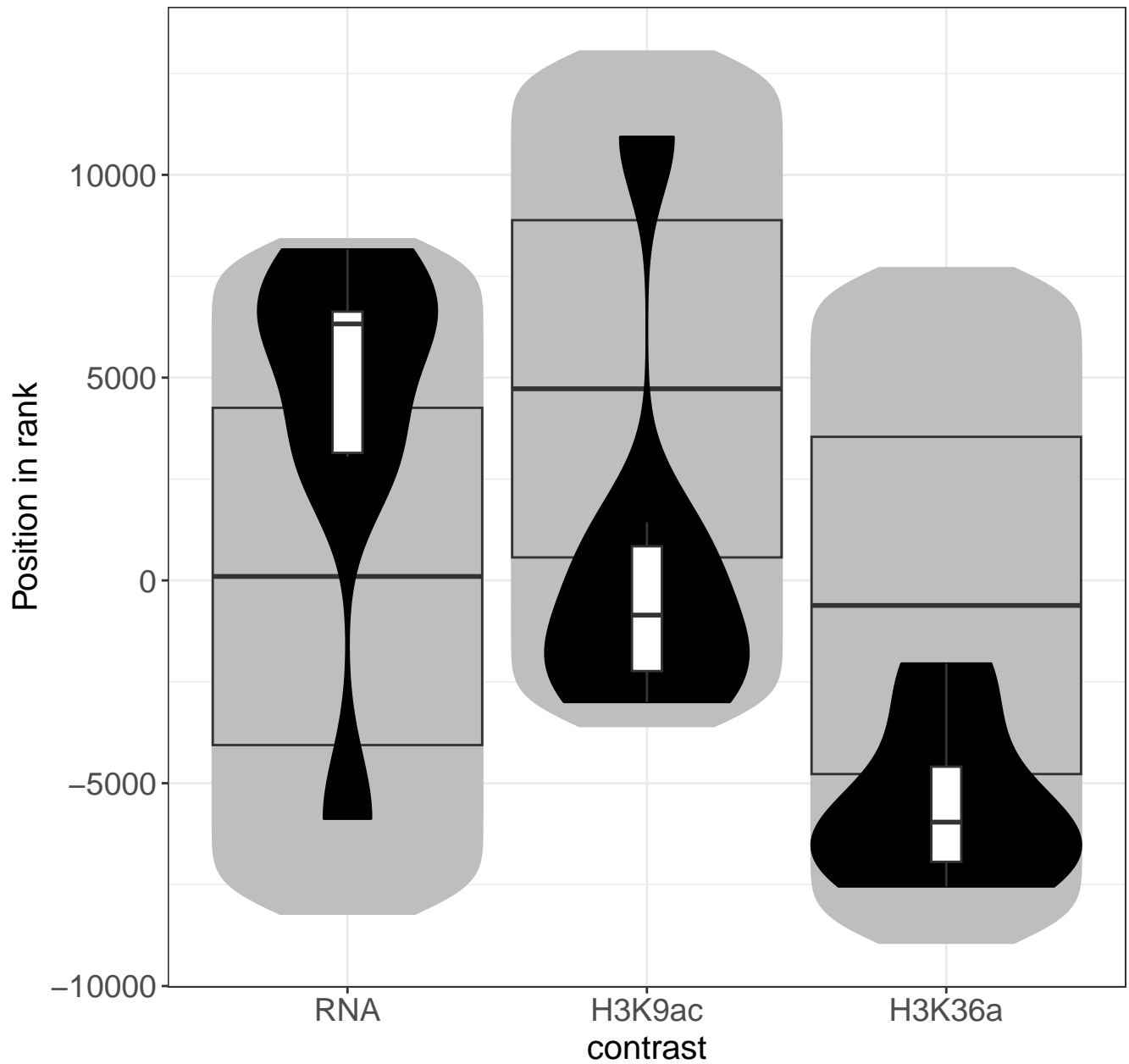
# GOBP POSITIVE REGULATION OF CALCIUM ION DEPENDENT EXOCYTOSIS



# GOBP POSITIVE REGULATION OF CALCIUM ION DEPENDENT EXOCYTOSIS

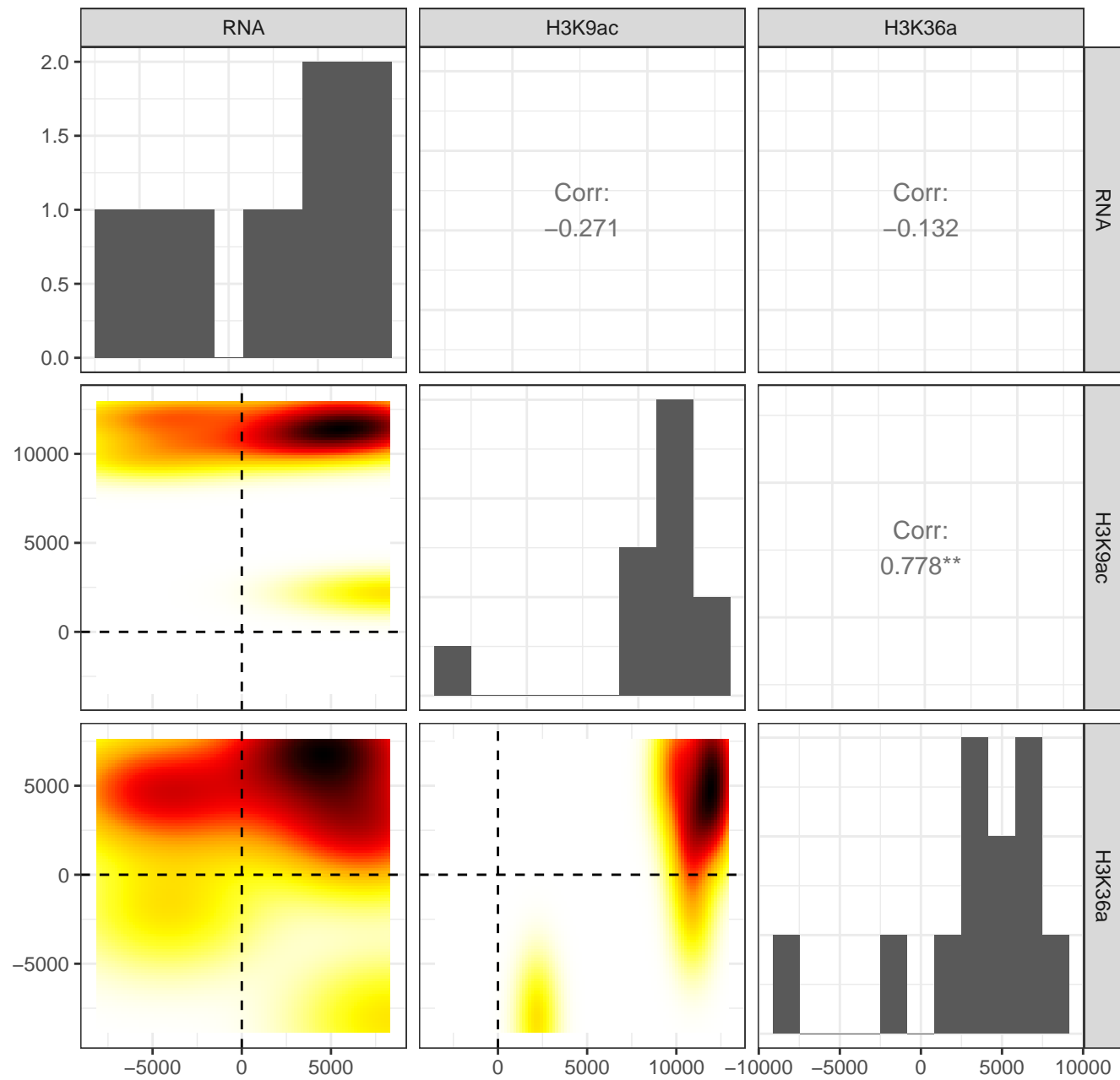


# GOBP POSITIVE REGULATION OF CALCIUM I

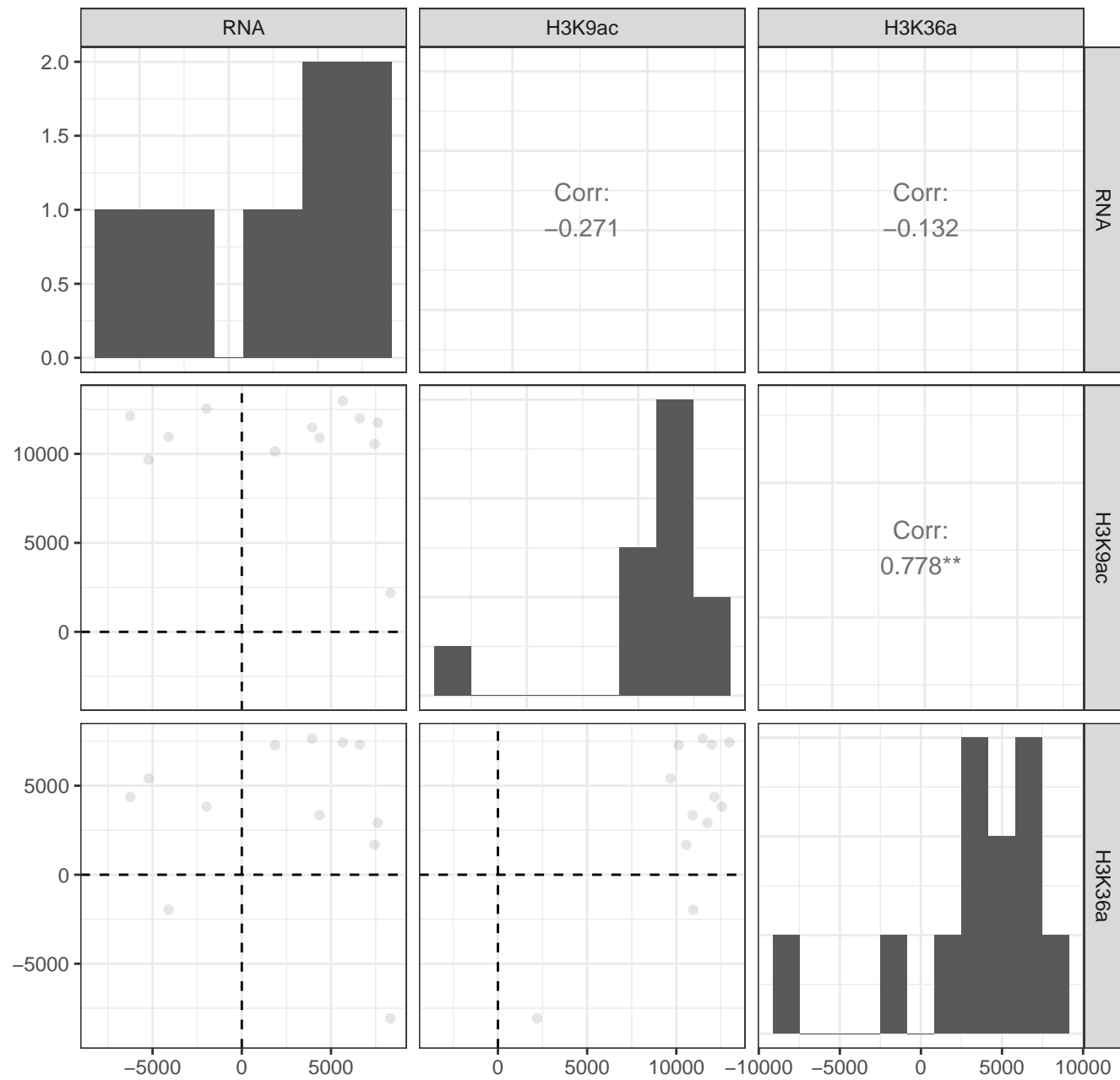




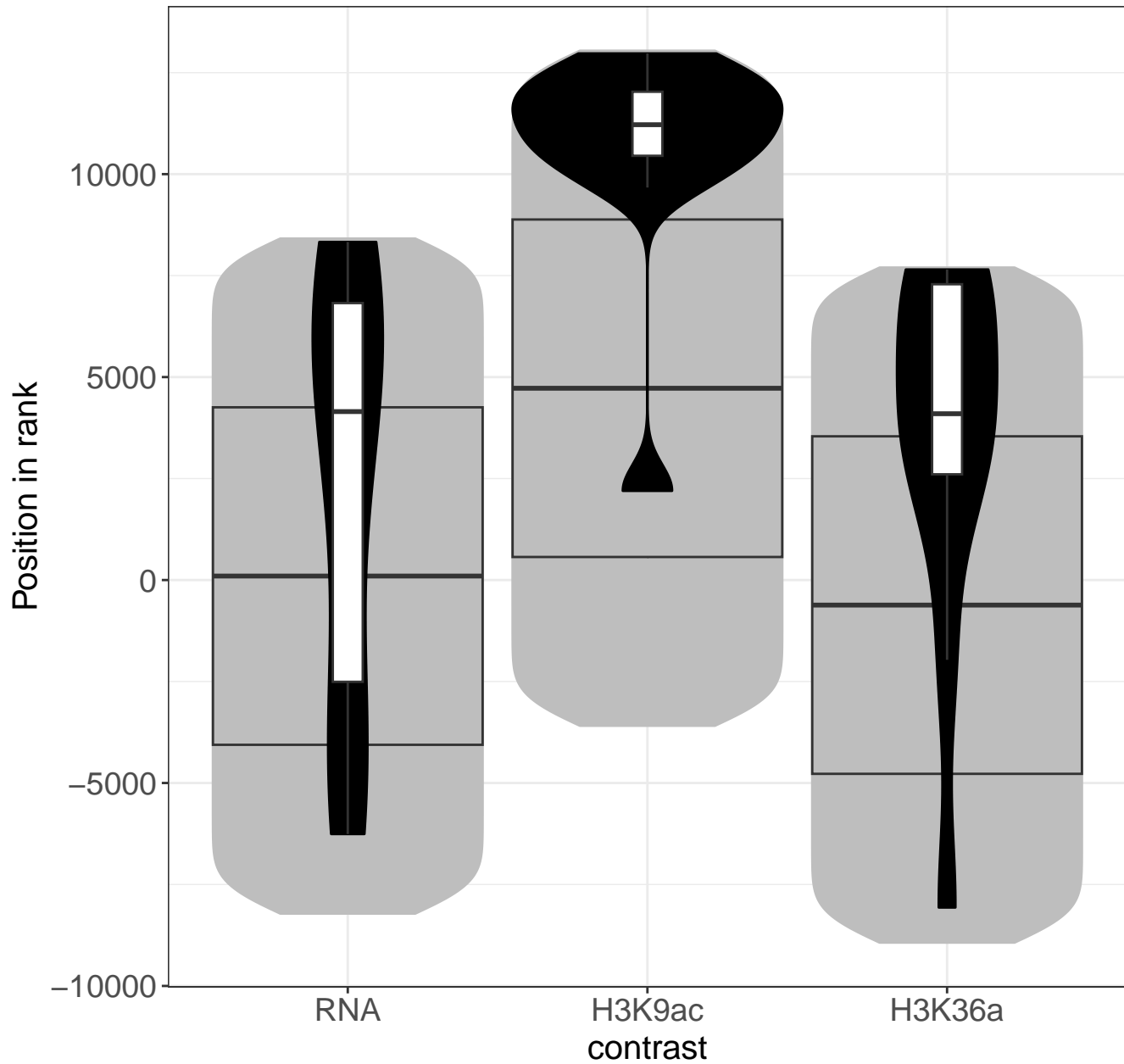
# GOMF TITIN BINDING



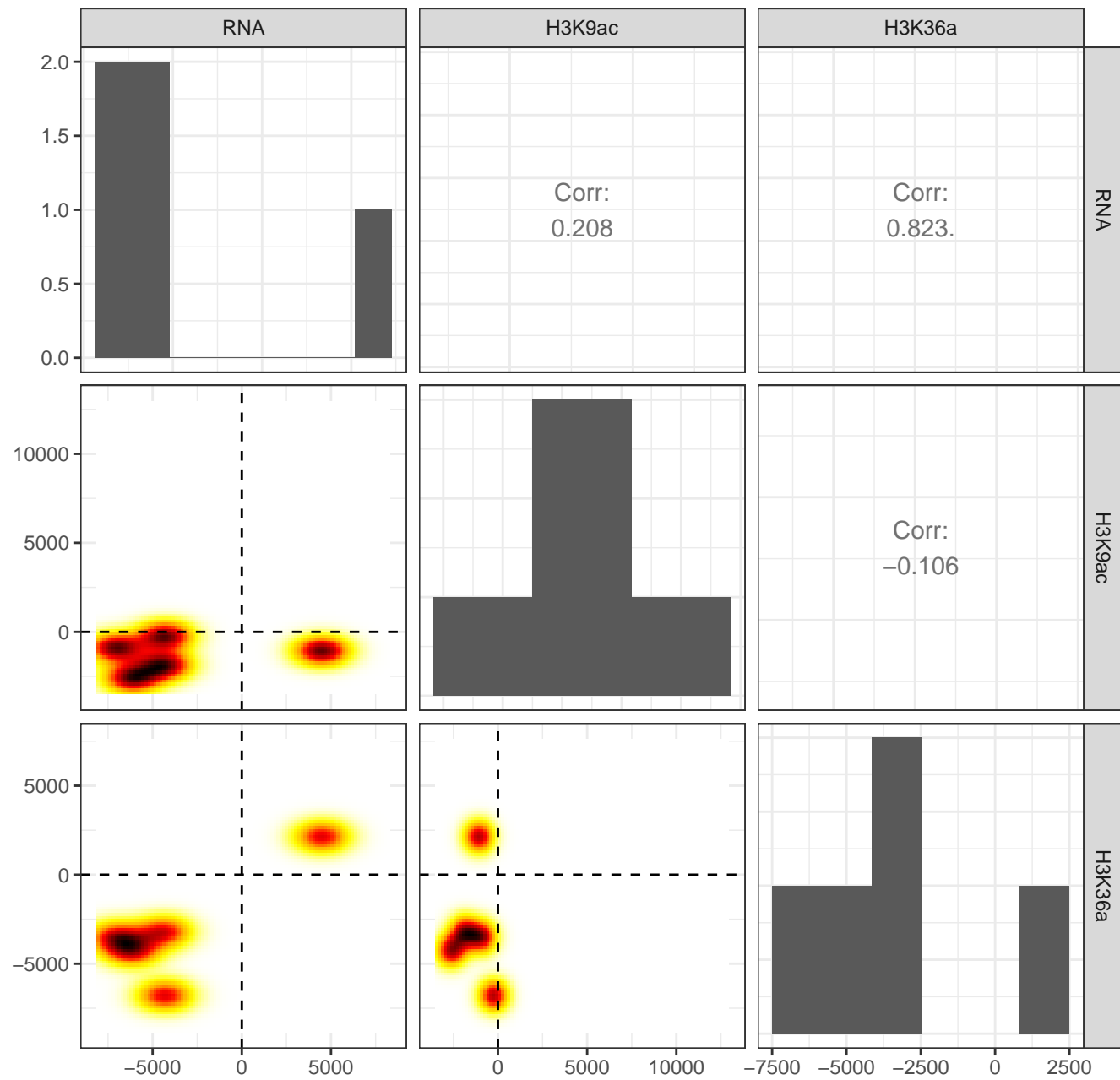
# GOMF TITIN BINDING



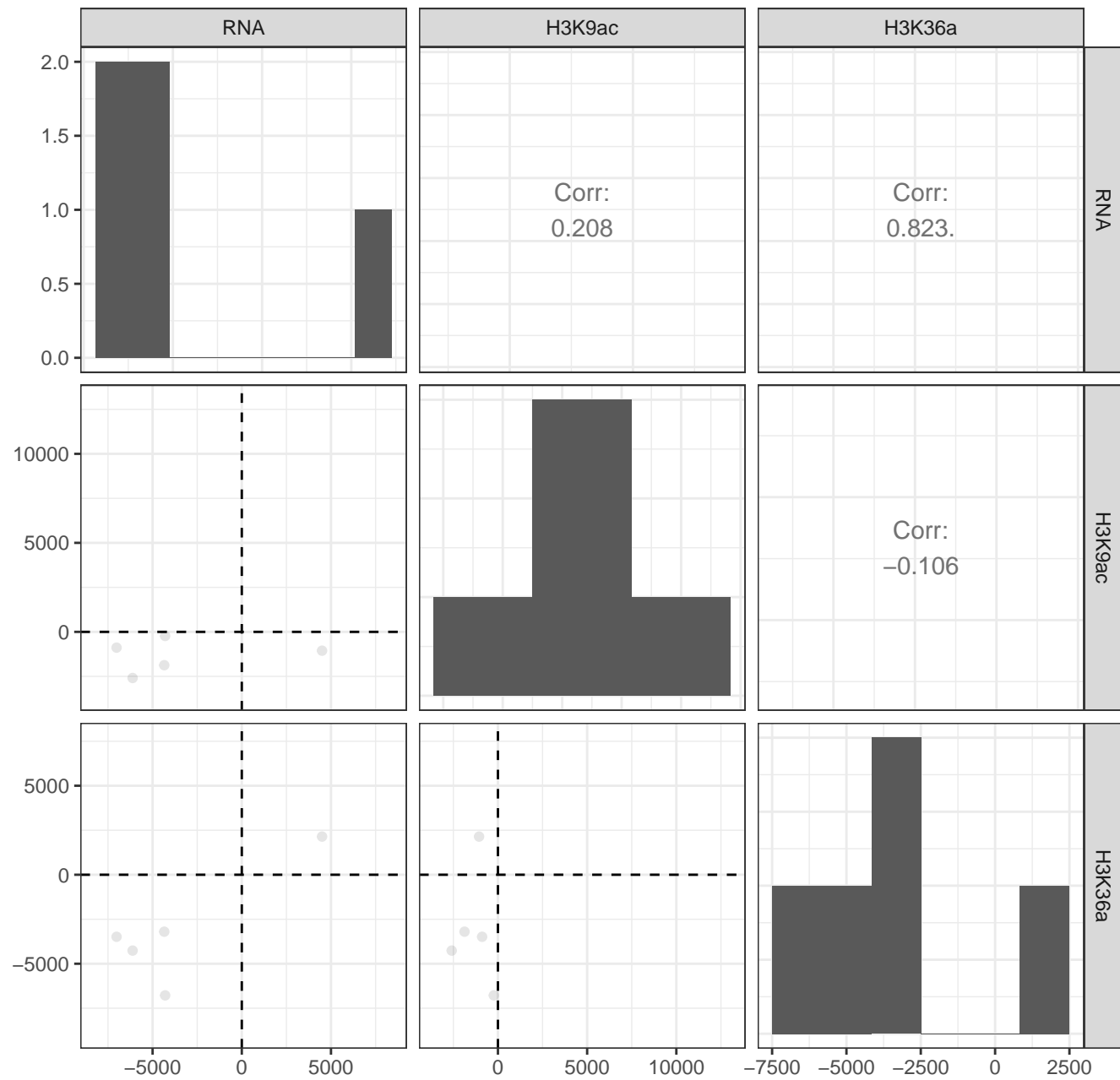
# GOMF TITIN BINDING



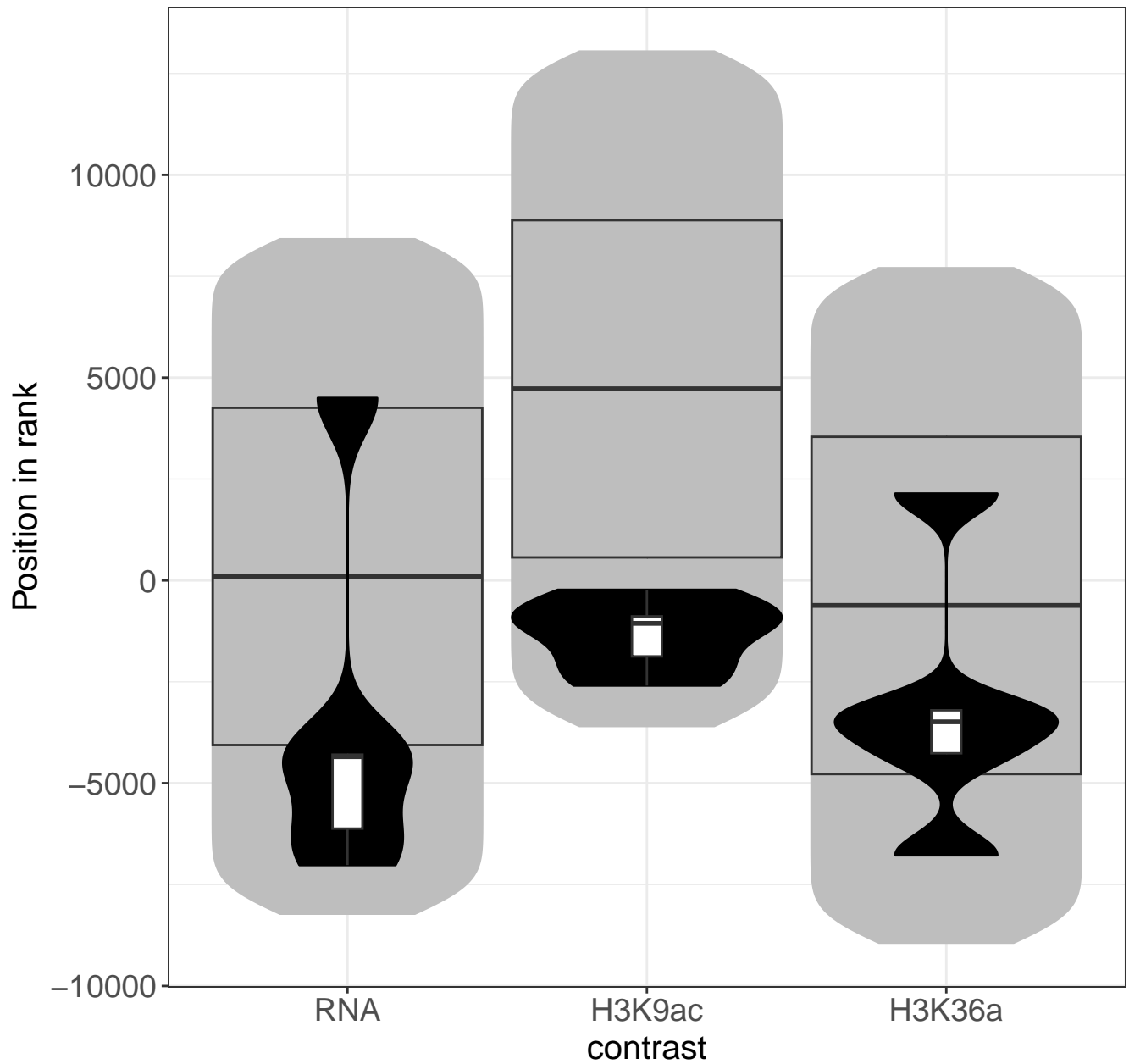
# GOMF SUPEROXIDE GENERATING NAD P H OXIDASE ACTIVITY



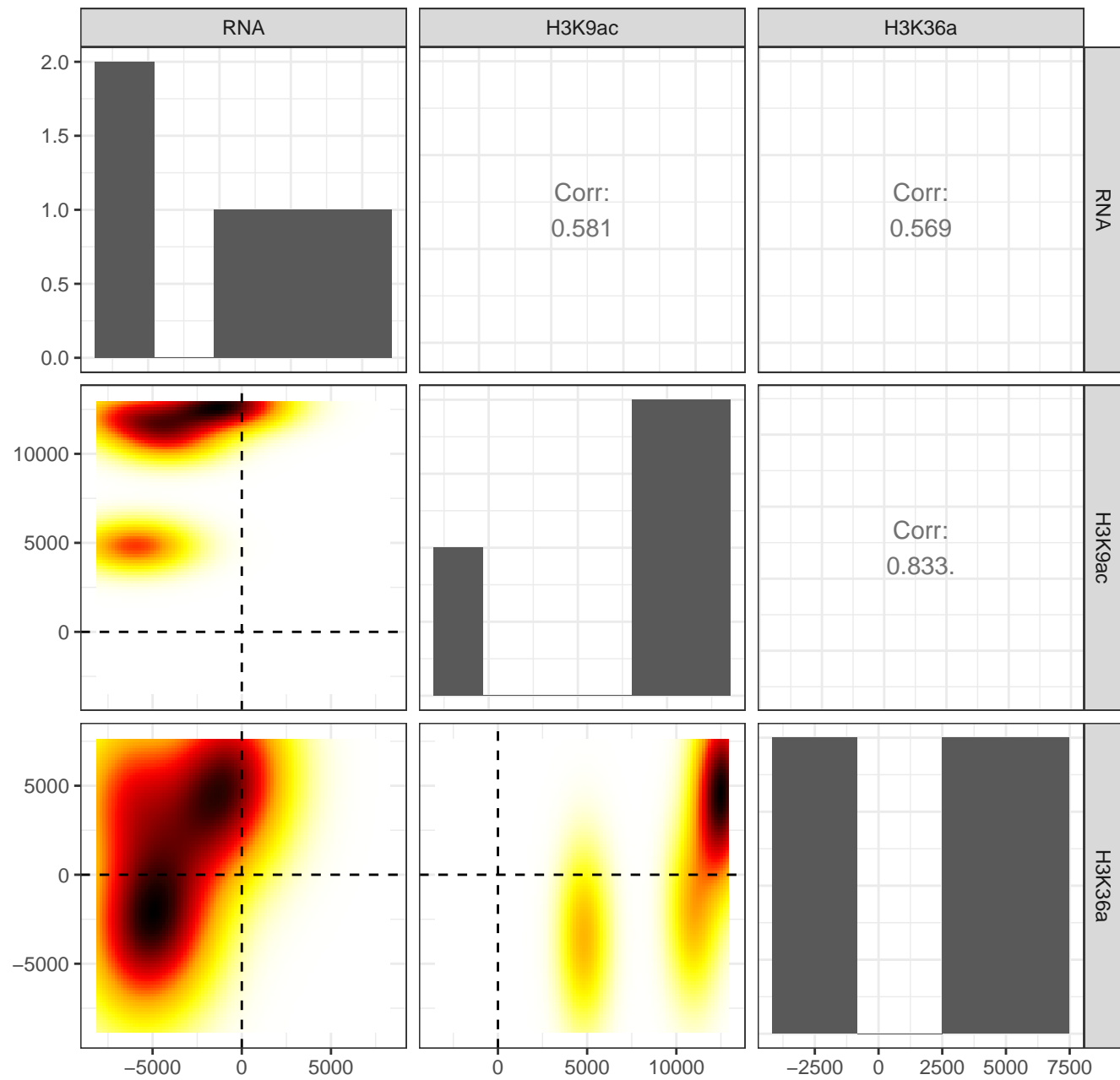
# GOMF SUPEROXIDE GENERATING NAD P H OXIDASE ACTIVITY



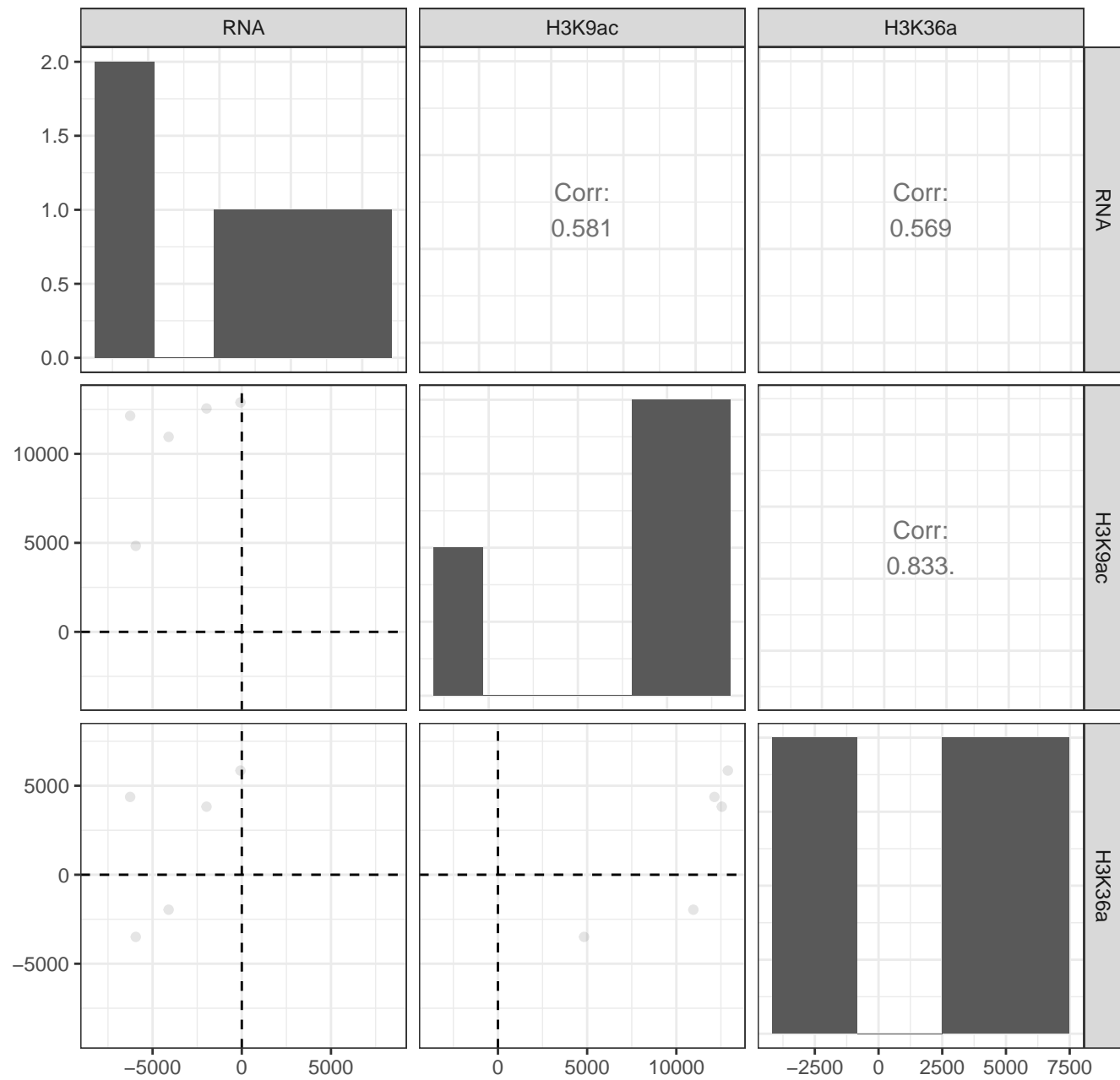
# GOMF SUPEROXIDE GENERATING NAD P H C



# GOBP REGULATION OF CALCIUM ION EXPORT ACROSS PLASMA MEMBRANE

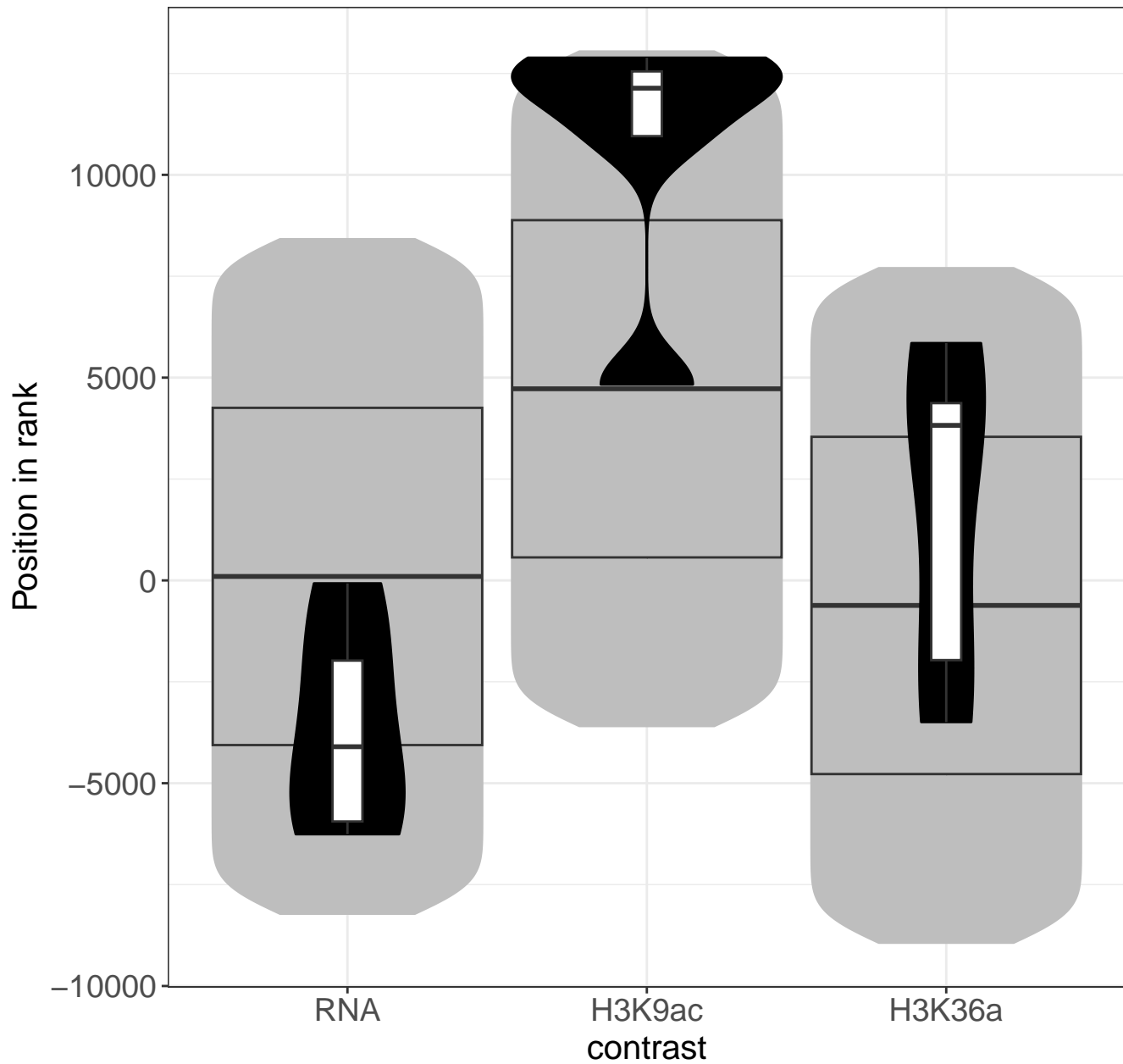


# GOBP REGULATION OF CALCIUM ION EXPORT ACROSS PLASMA MEMBRANE

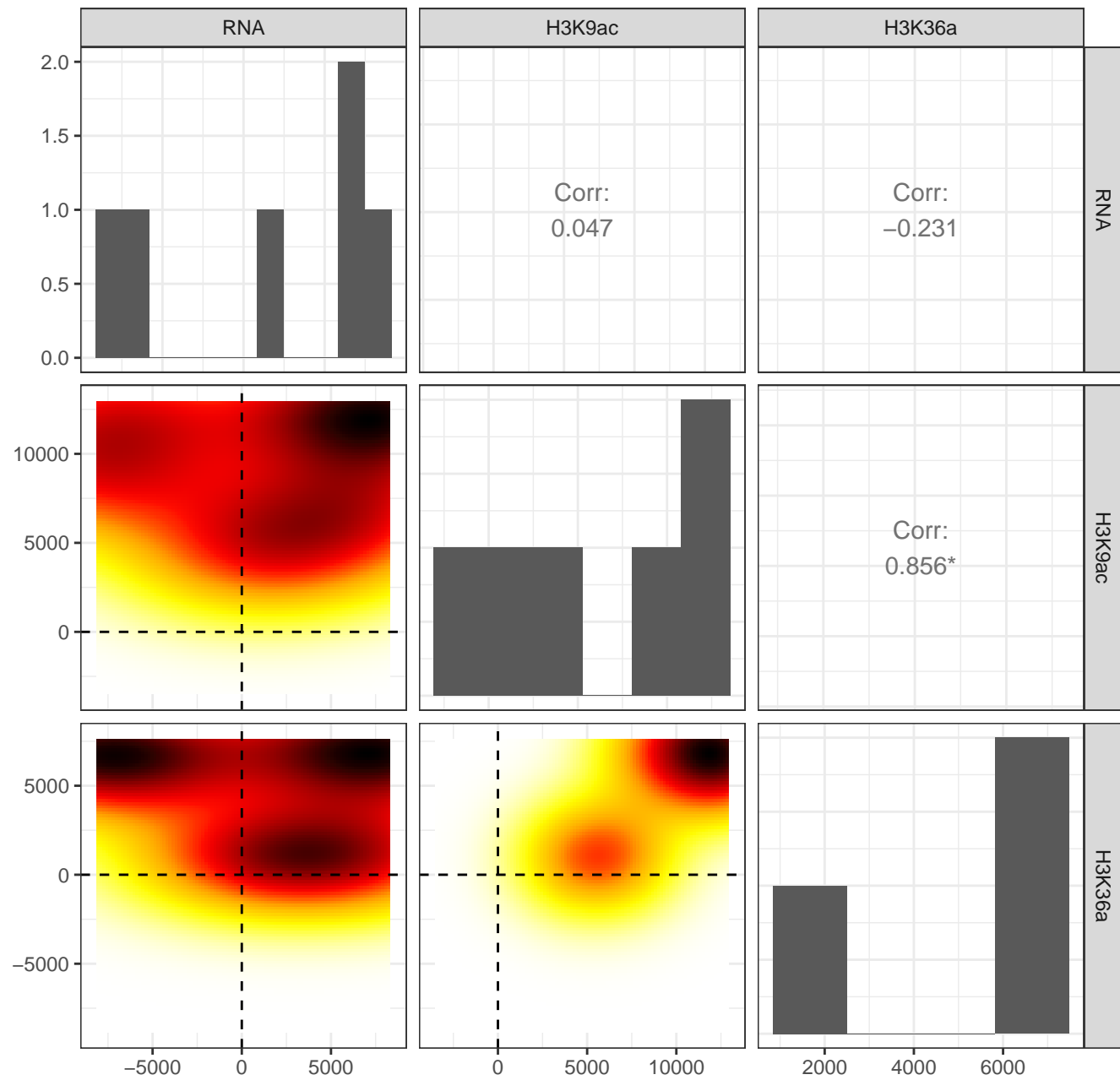




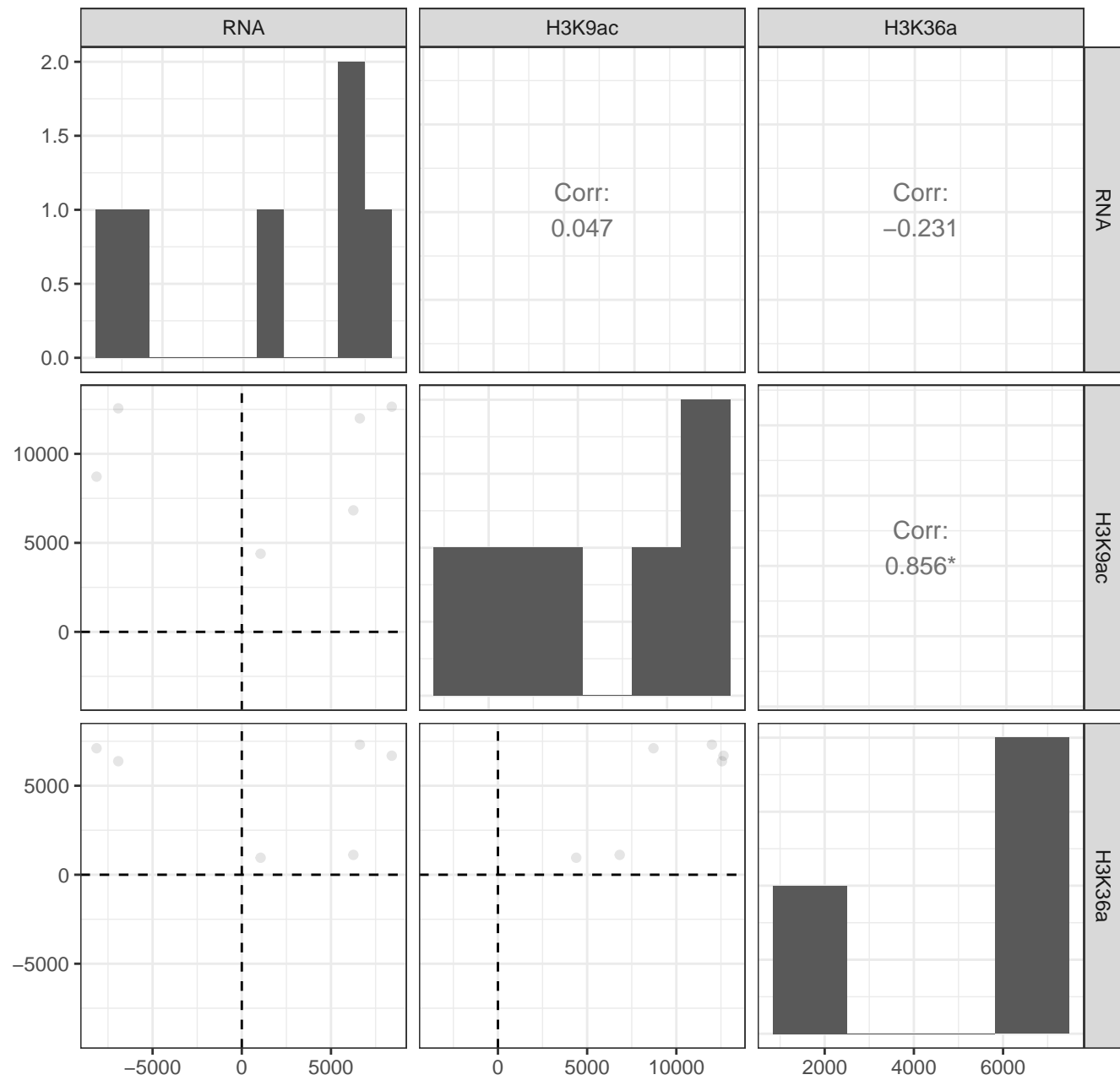
# GOBP REGULATION OF CALCIUM ION EXPOR



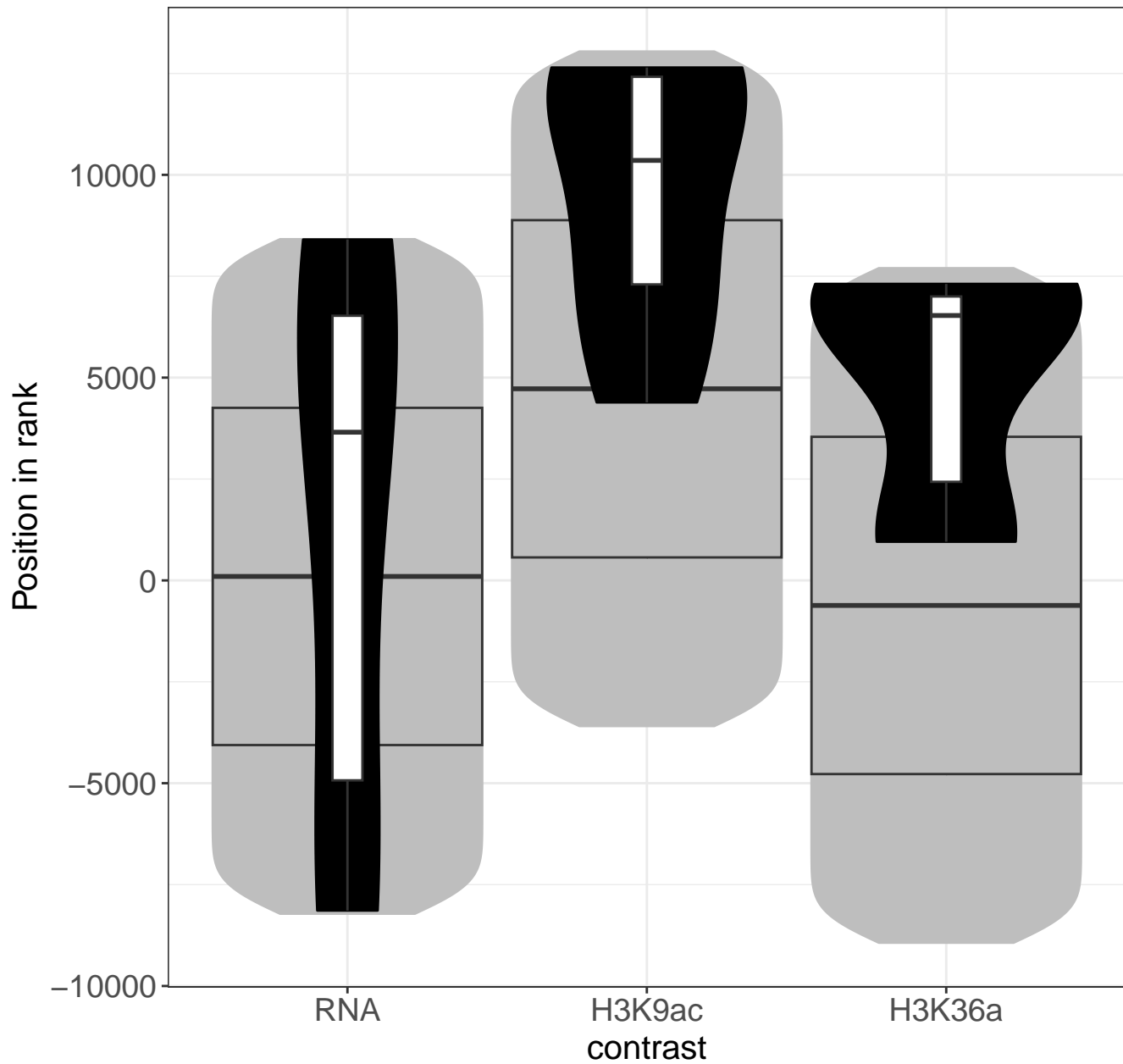
# GOBP DETECTION OF MUSCLE STRETCH



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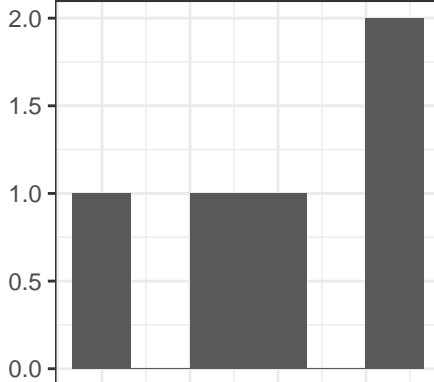


# GOBP DETECTION OF MUSCLE STRETCH



# GOBP CARDIAC MUSCLE TISSUE REGENERATION

RNA



H3K9ac

Corr:  
0.630

H3K36a

Corr:  
0.505

RNA

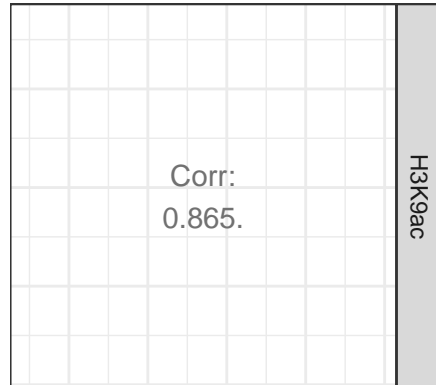
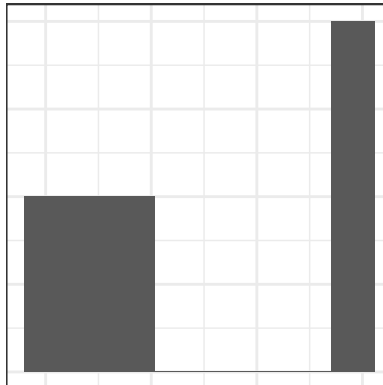
H3K9ac

H3K36a

10000

5000

0



Corr:  
0.865.

5000

0

-5000

-5000

0

5000

0

5000

10000

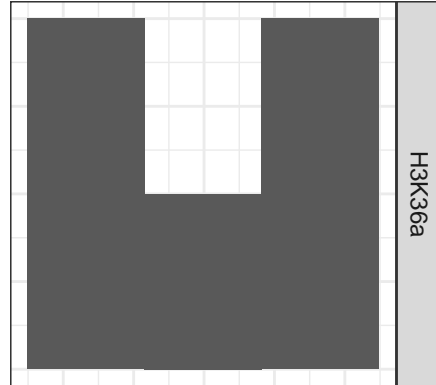
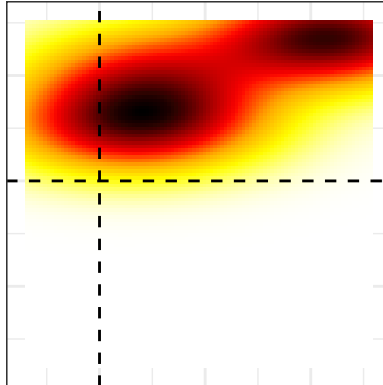
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4000

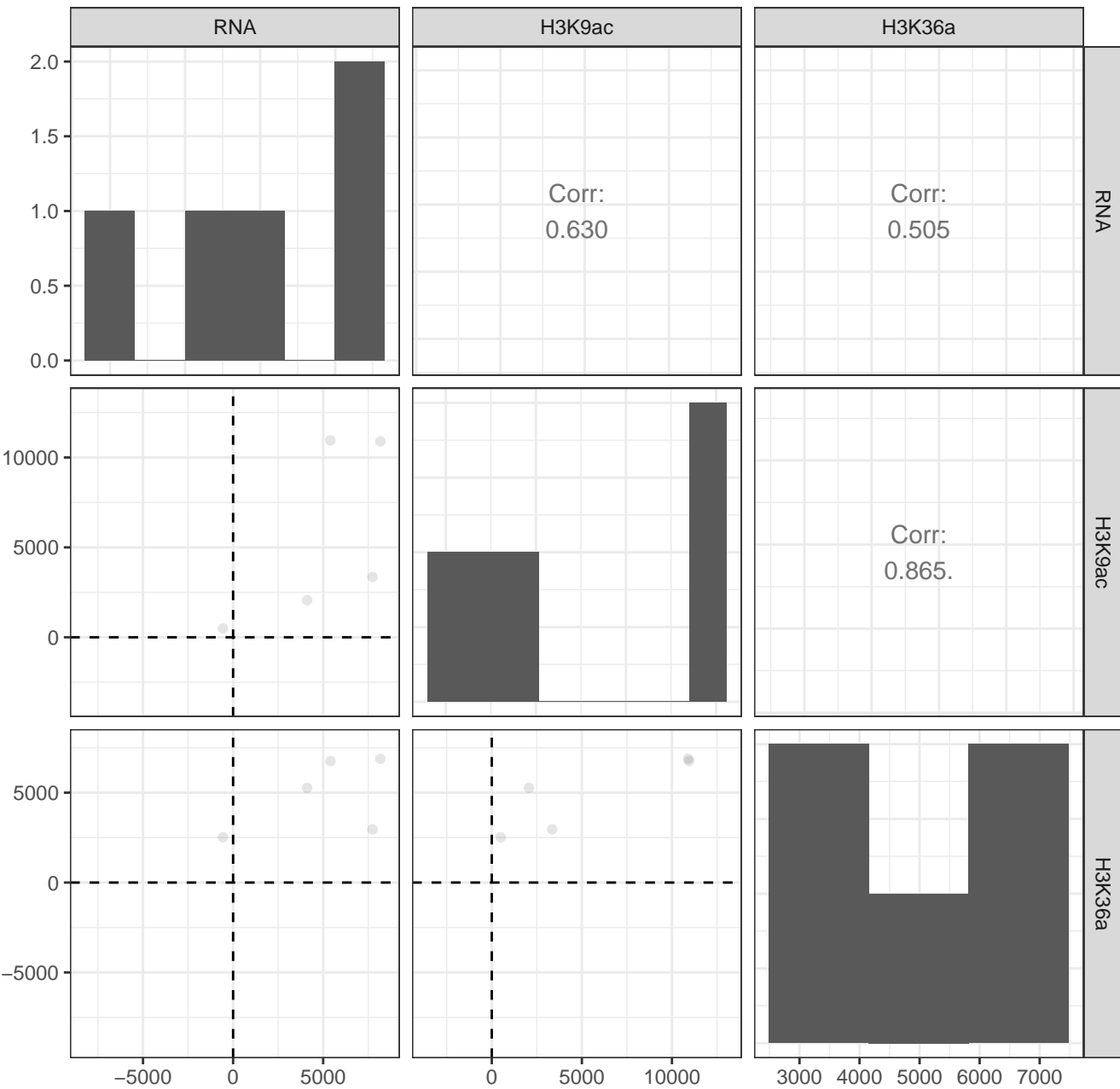
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6000

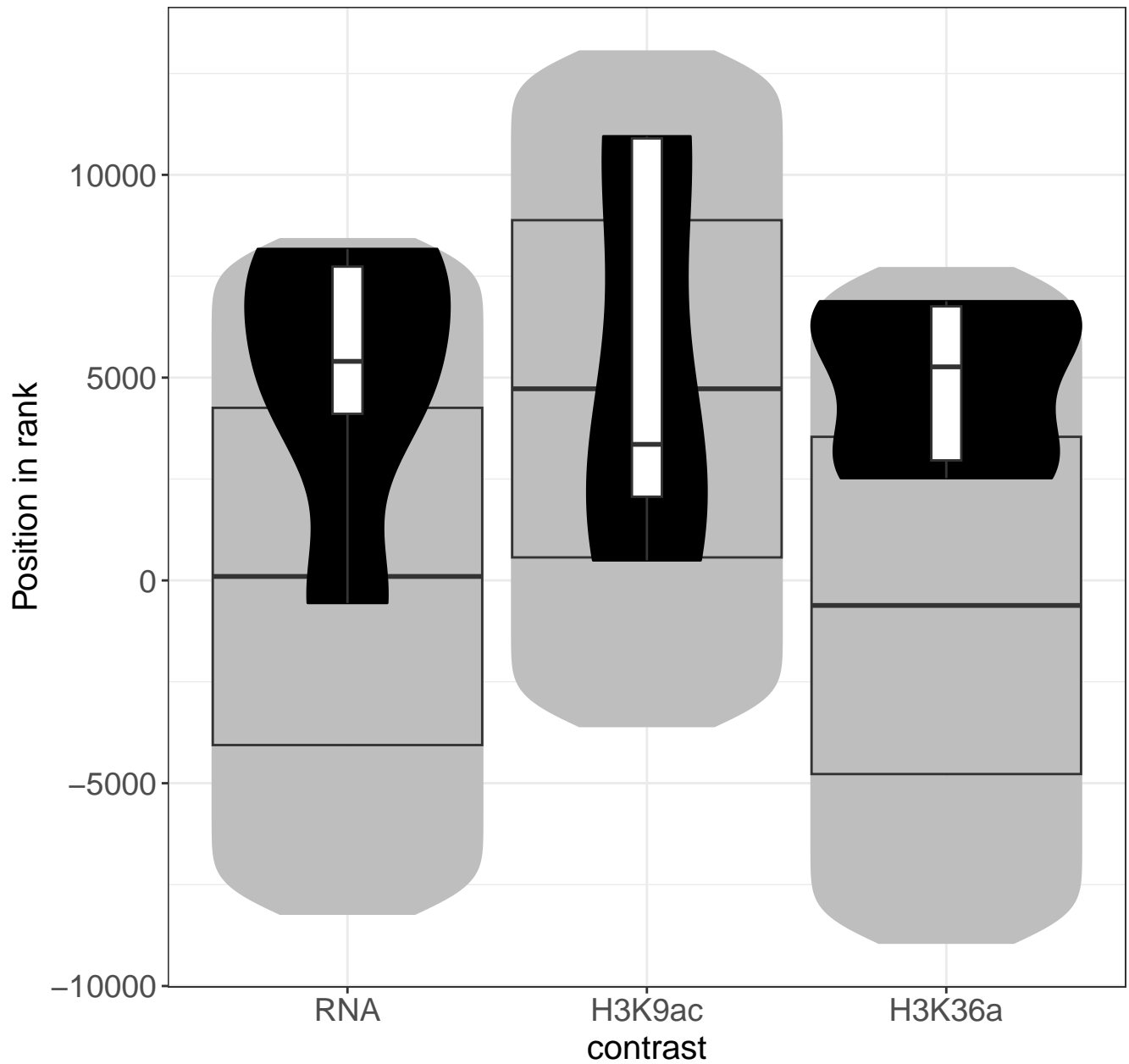
7000



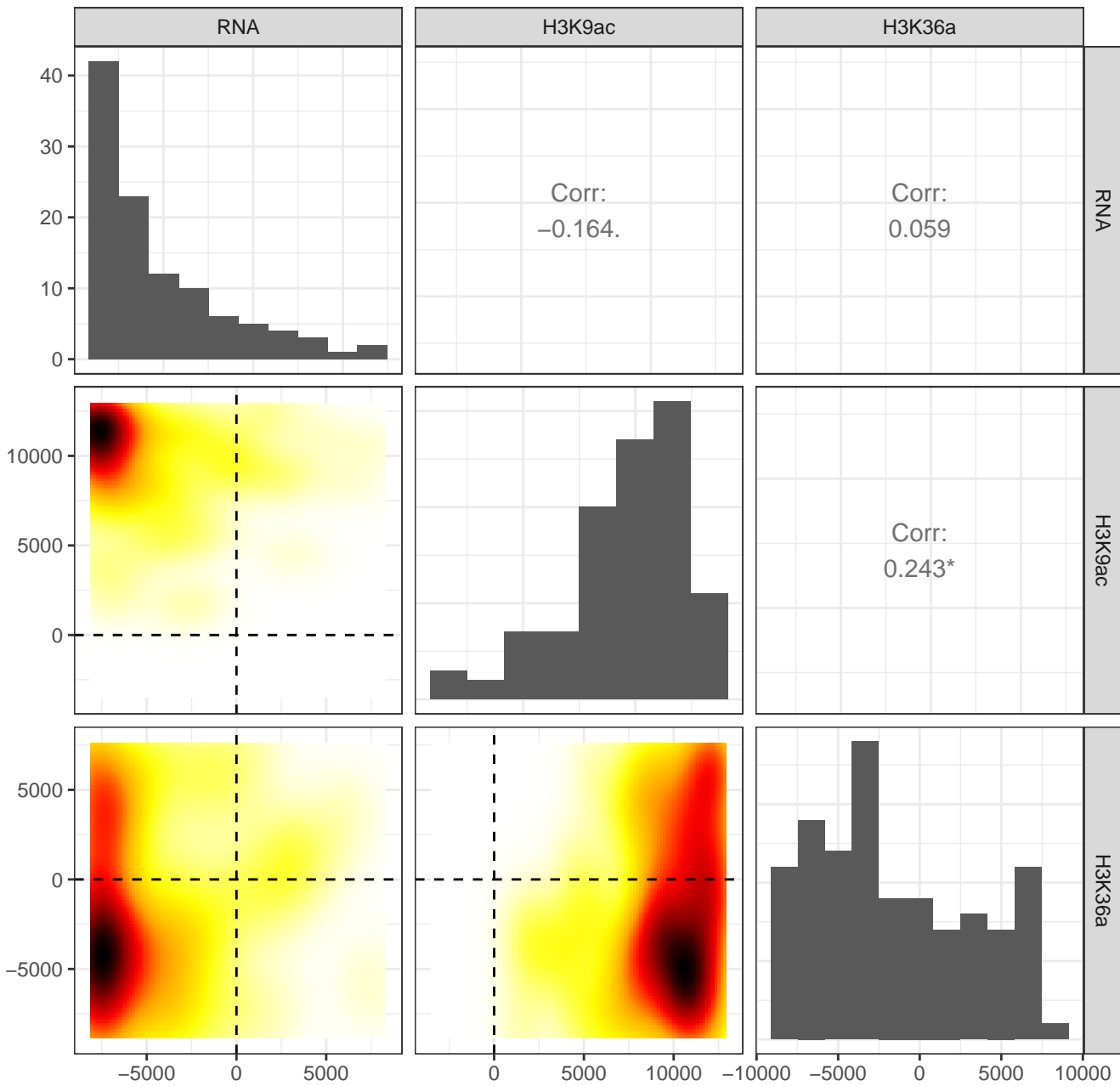
# GOBP CARDIAC MUSCLE TISSUE REGENERATION



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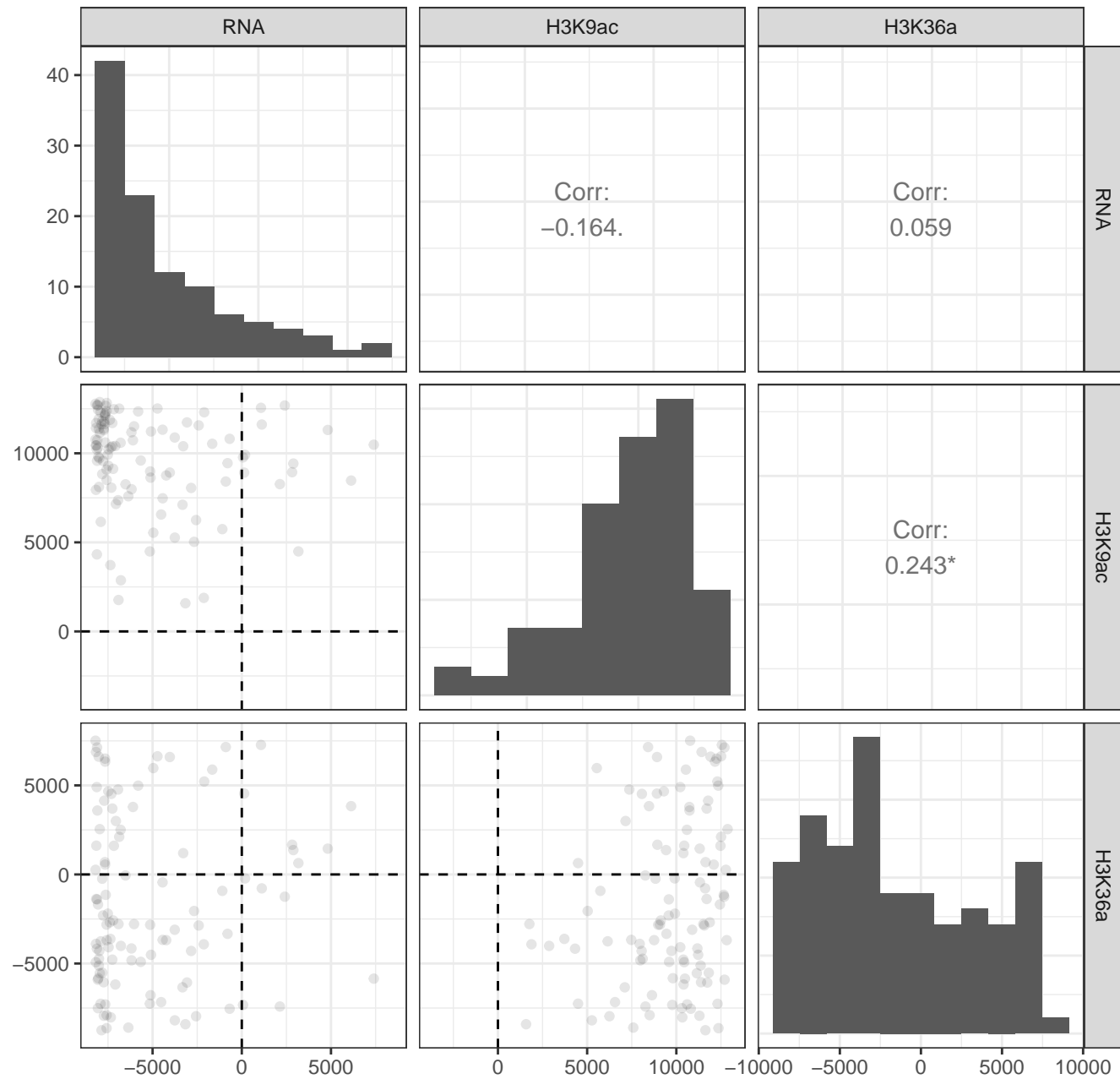


# GOCC LARGE RIBOSOMAL SUBUNIT





# GOCC LARGE RIBOSOMAL SUBUNIT



# GOCC LARGE RIBOSOMAL SUBUNIT

