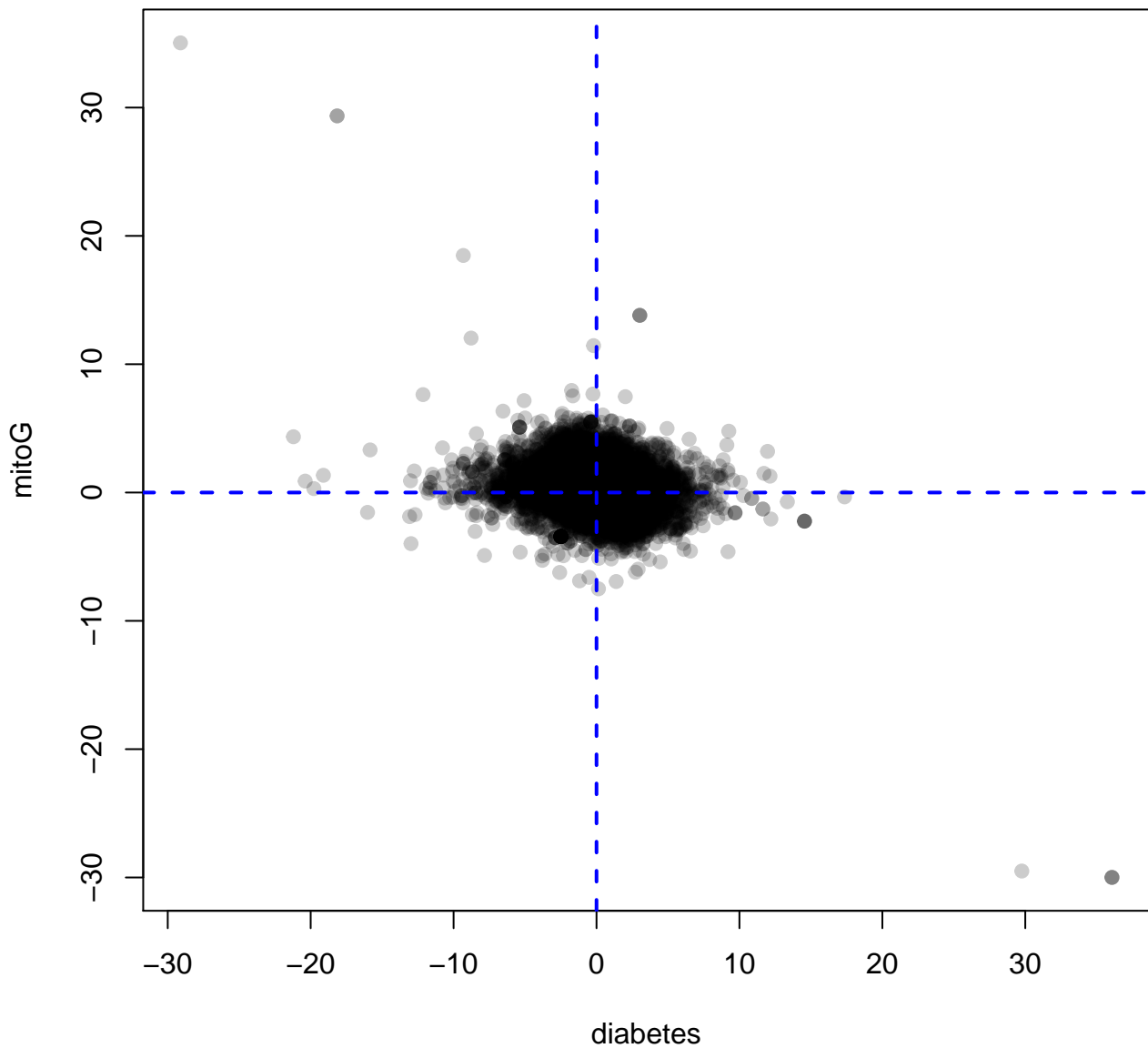
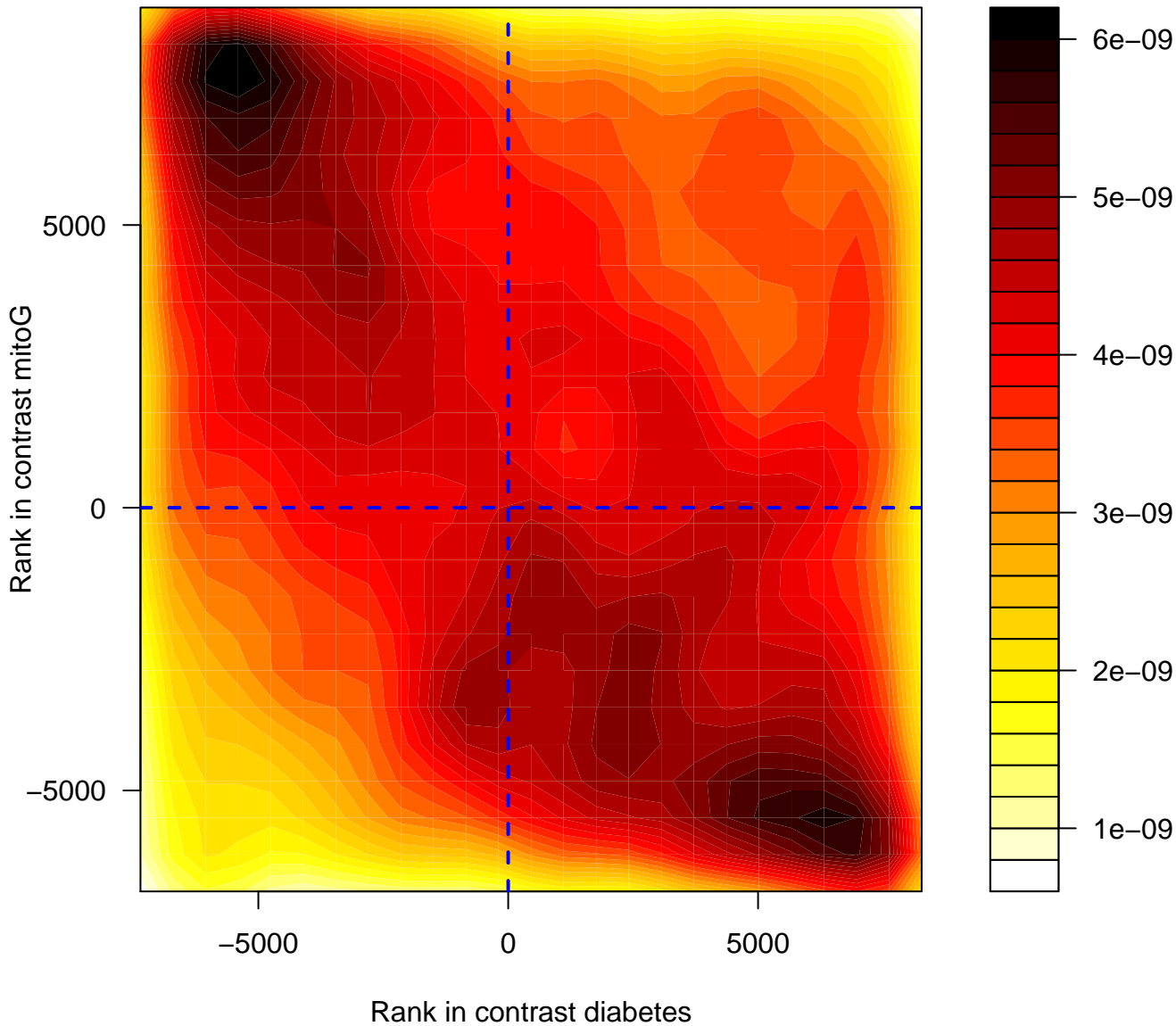


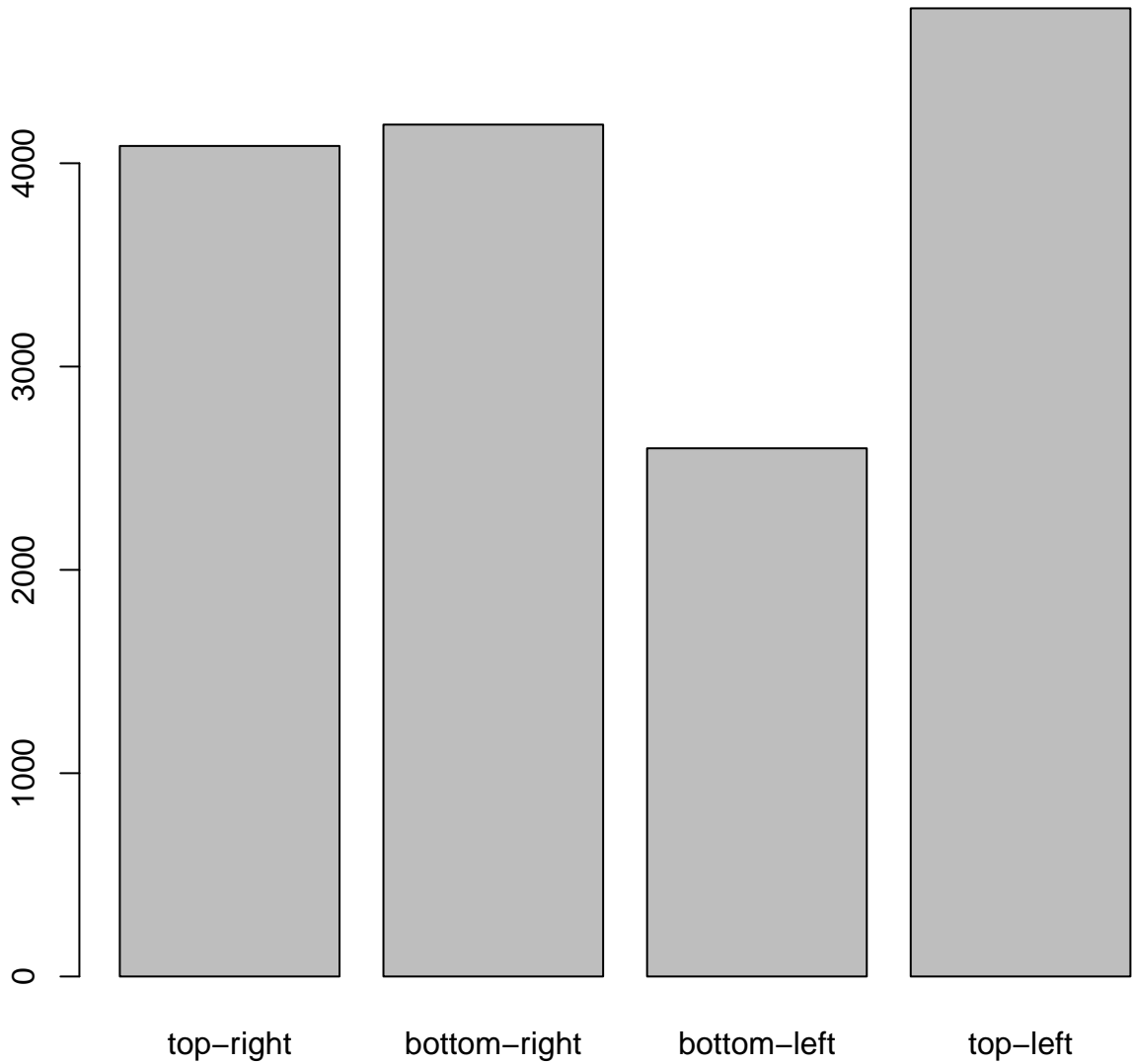
# Scatterplot of all genes



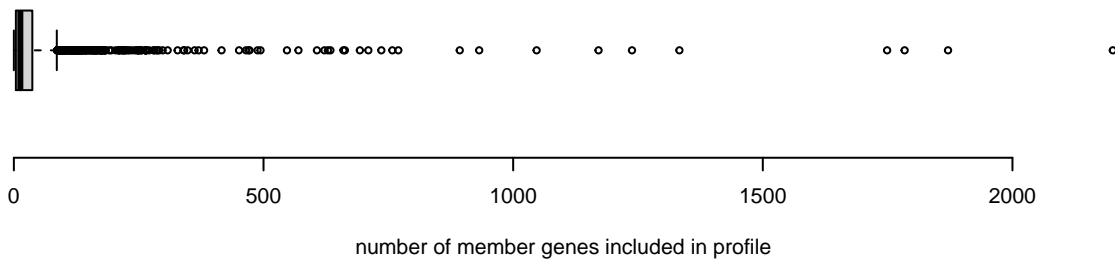
# Rank-rank plot of all genes



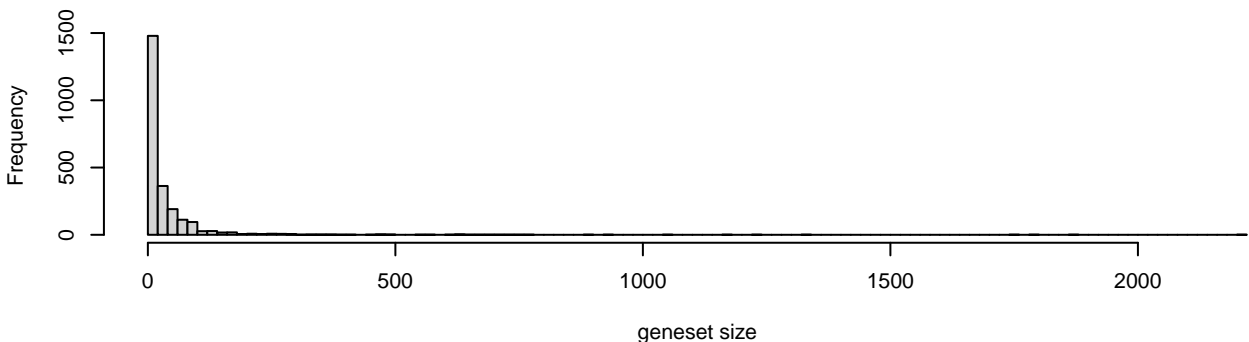
# number of genes in each quadrant



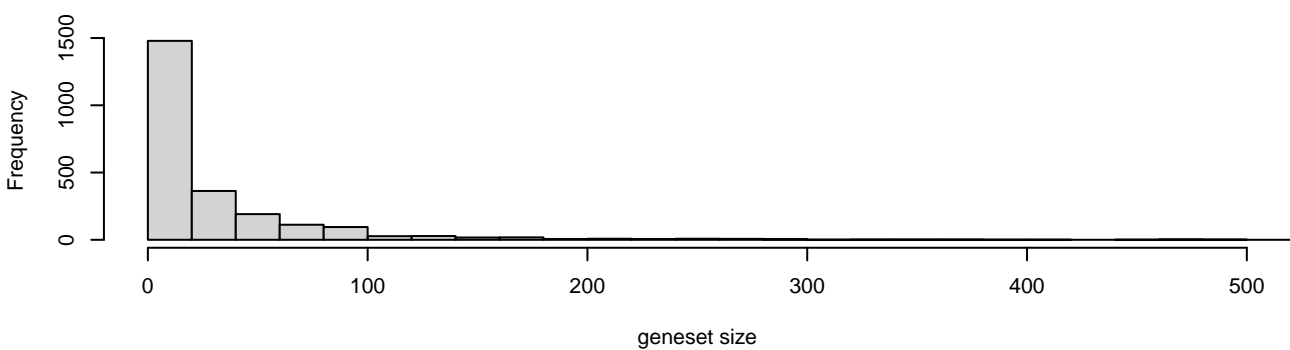
### Gene set size



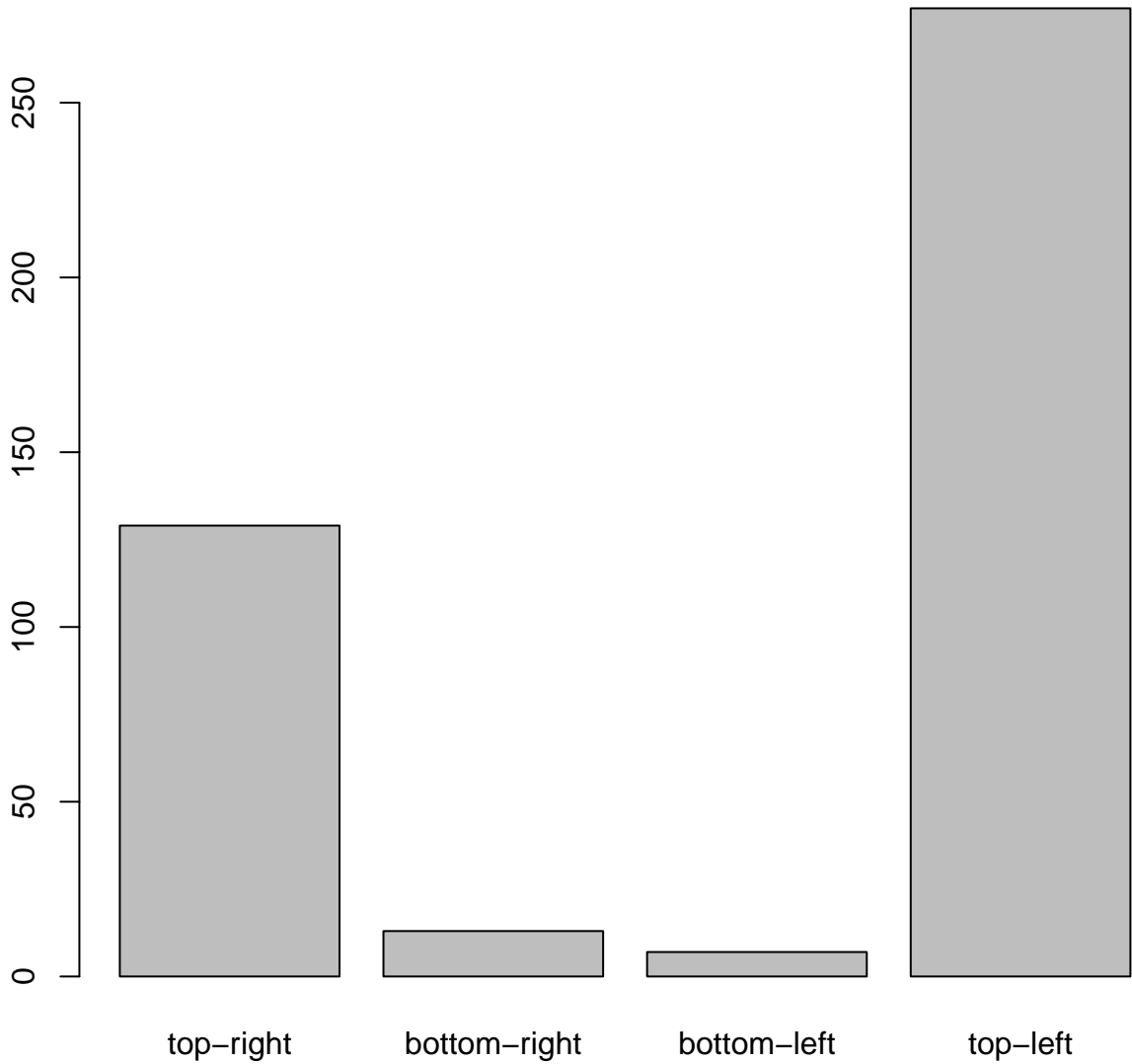
### Histogram of geneset size



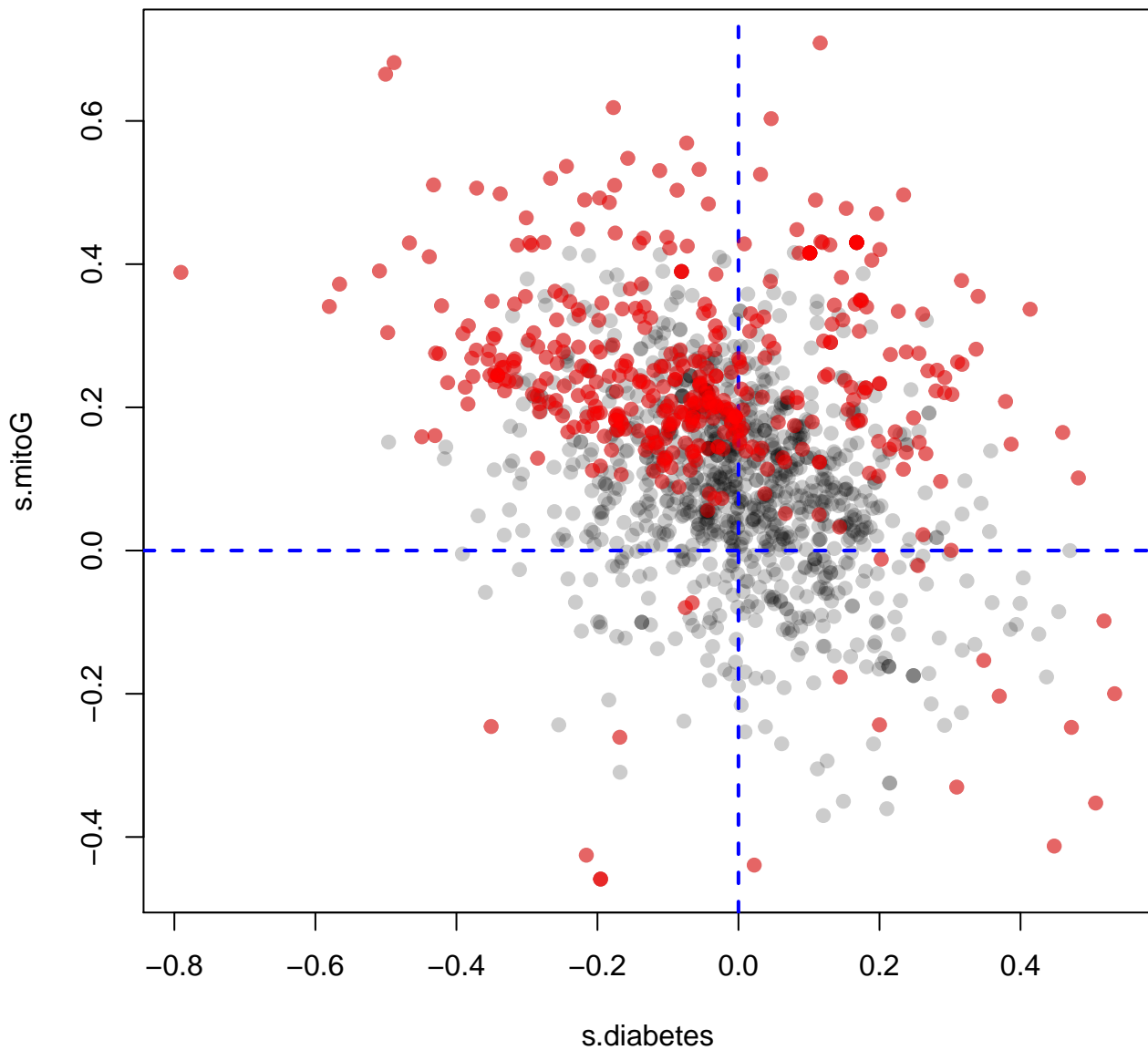
### Trimmed histogram of geneset size



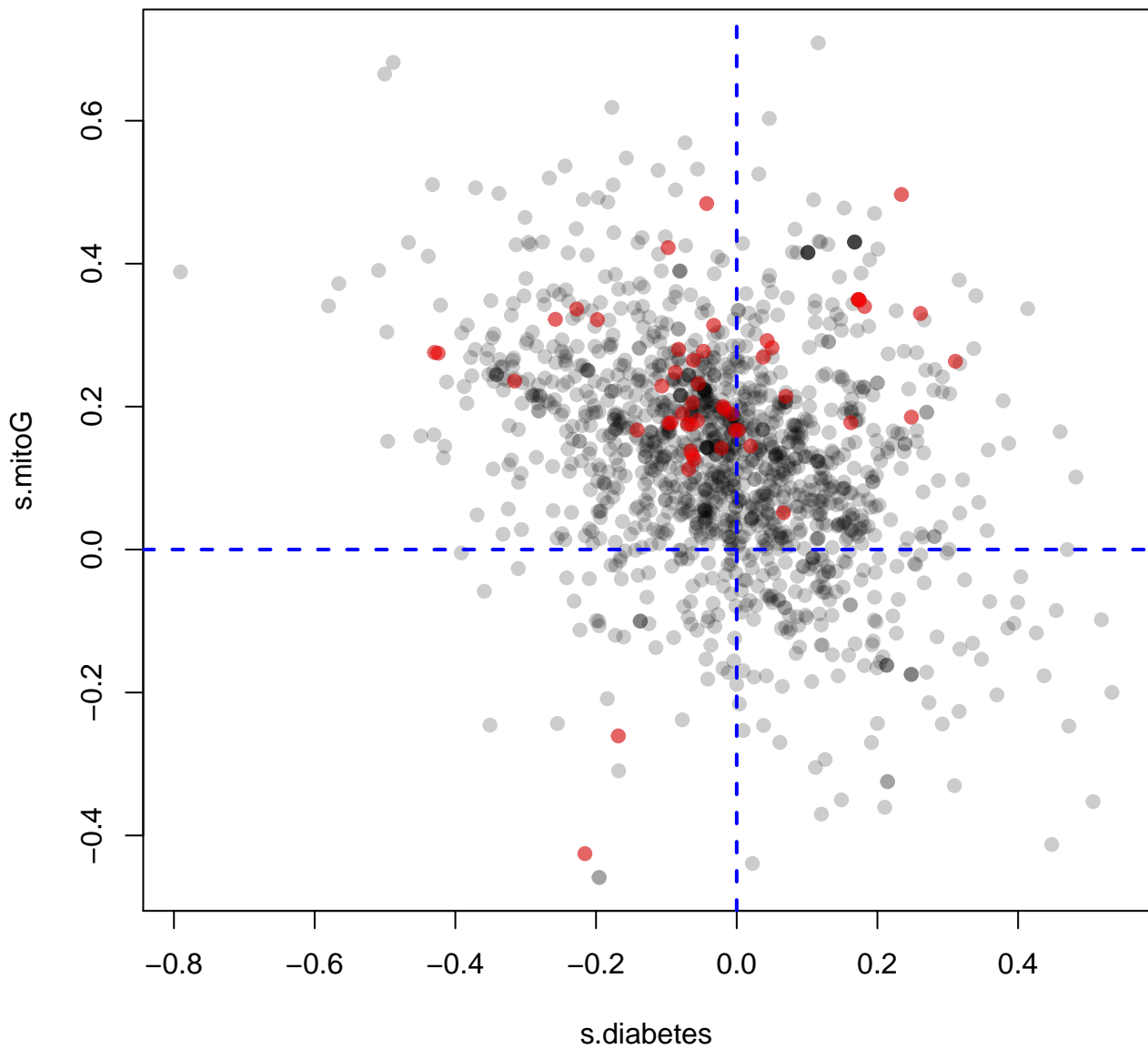
# number of genesets FDR<0.05



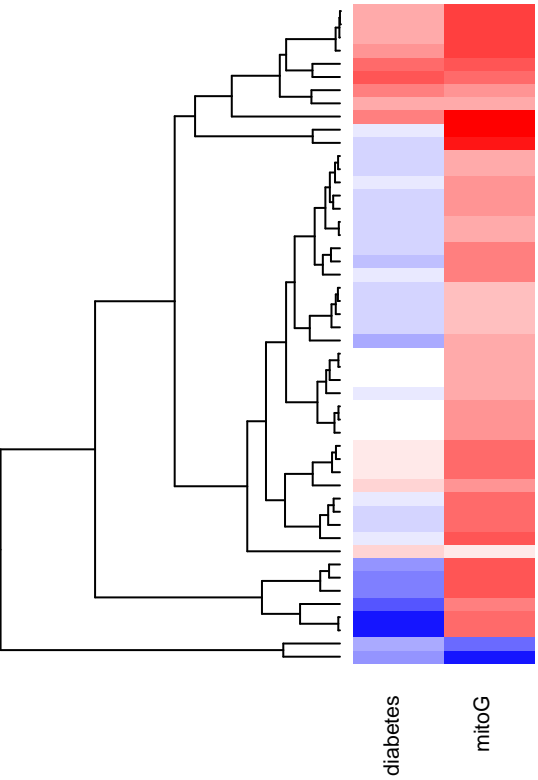
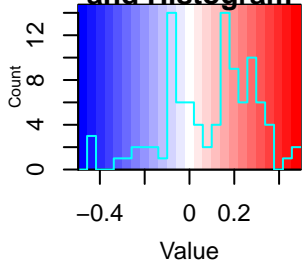
Scatterplot of all gene sets; FDR<0.05 in red



Scatterplot of all gene sets; top 50 in red



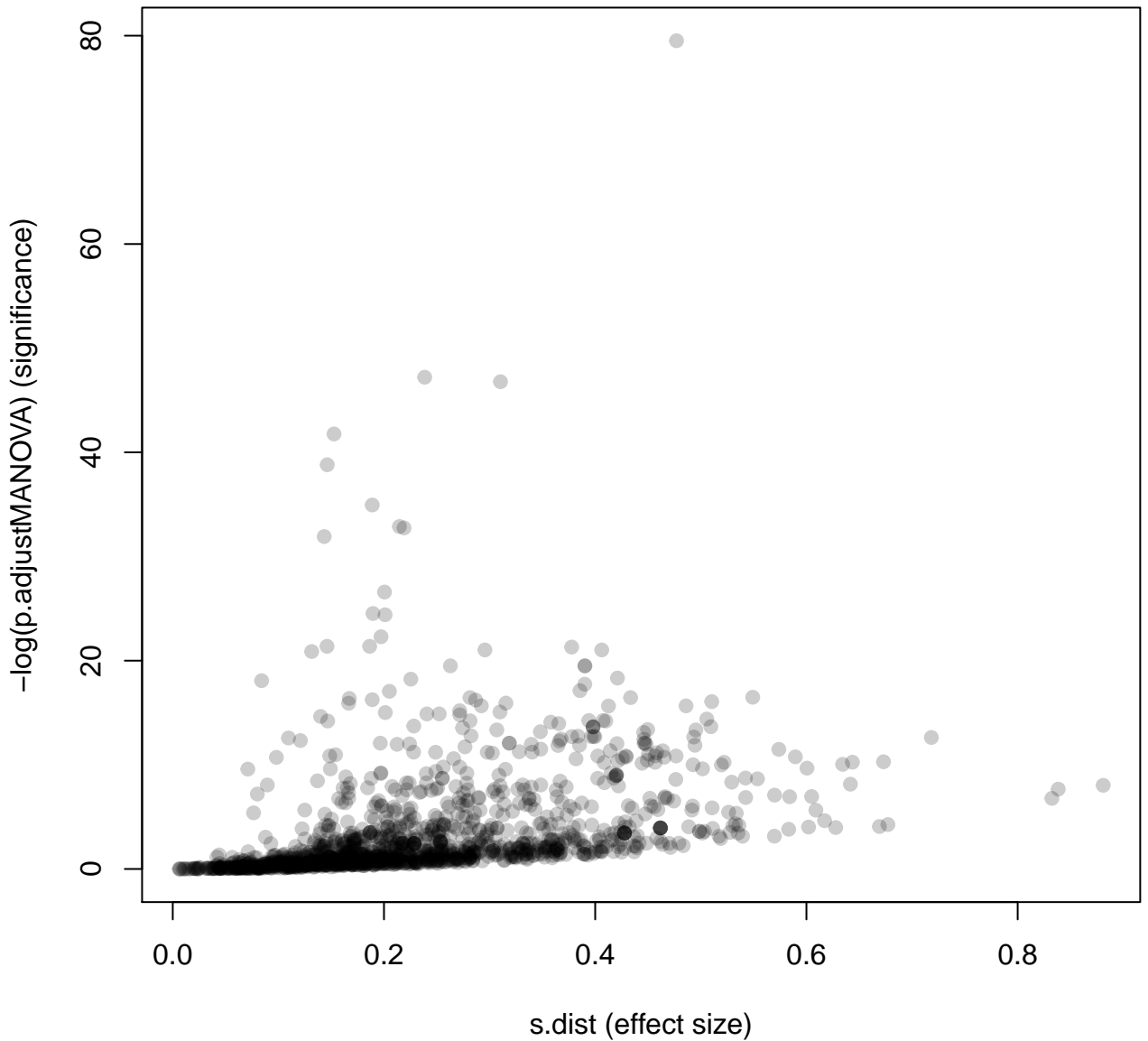
# Color Key and Histogram



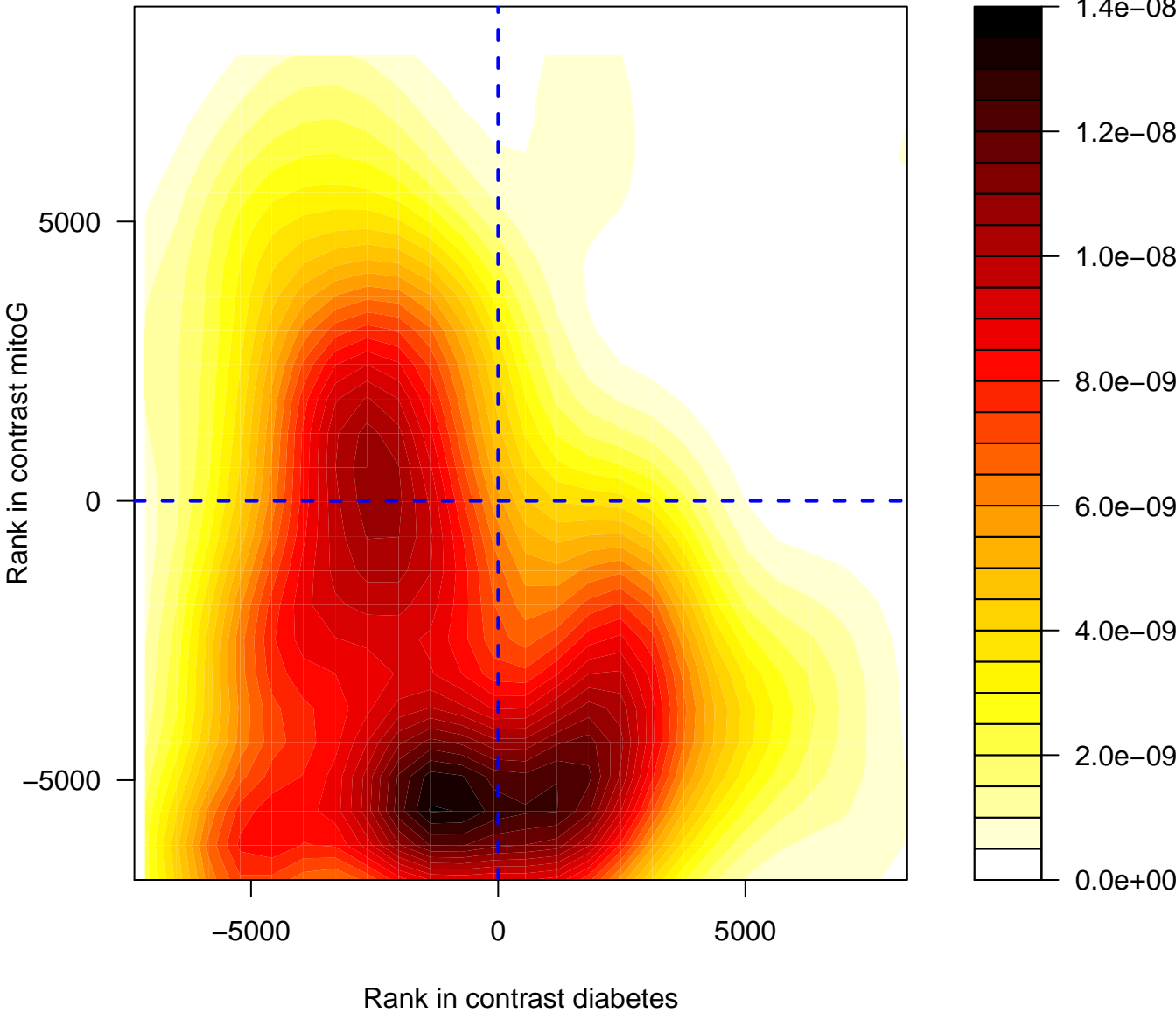
- Cap-dependent Translation Initiation
- L13a-mediated translational silencing of Ceruloplasmin expression
- Viral mRNA Translation
- The citric acid (TCA) cycle and respiratory electron transport
- Binding and Uptake of Ligands by Scavenger Receptors
- Membrane Trafficking
- Neutrophil degranulation
- Signaling by Interleukins
- Diseases of signal transduction by growth factor receptors and second messengers
- HIV Infection
- Immune System
- Metabolism of proteins
- Adaptive Immune System
- Cellular responses to stress
- Disease
- Axon guidance
- rRNA processing
- rRNA processing in the nucleus and cytosol
- Signaling by ROBO receptors
- Apoptosis
- Metabolism
- Signaling by the B Cell Receptor (BCR)
- Antigen processing-Cross presentation
- Defective CFTR causes cystic fibrosis
- Olfactory Signaling Pathway



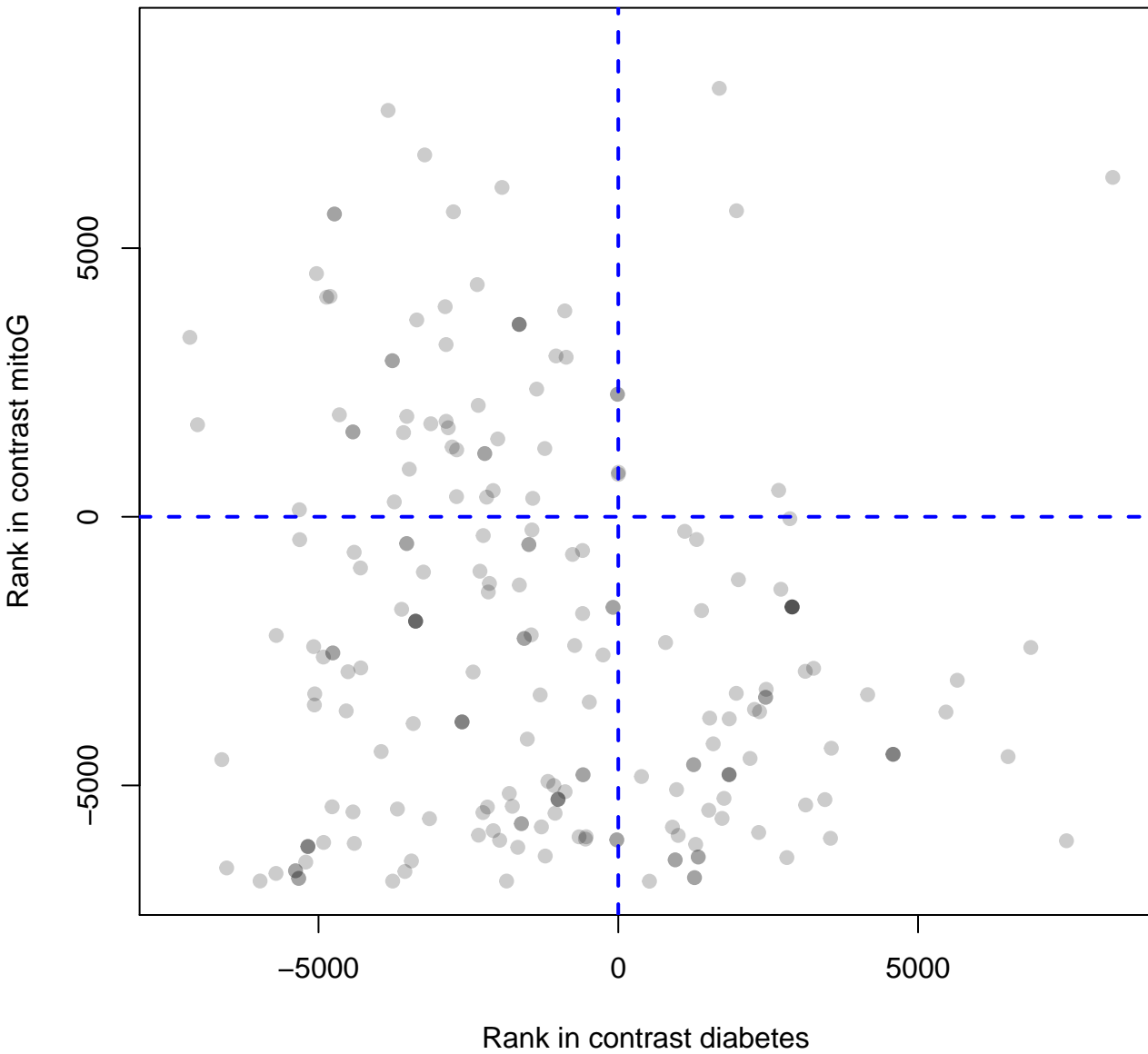
# effect size versus statistical significance



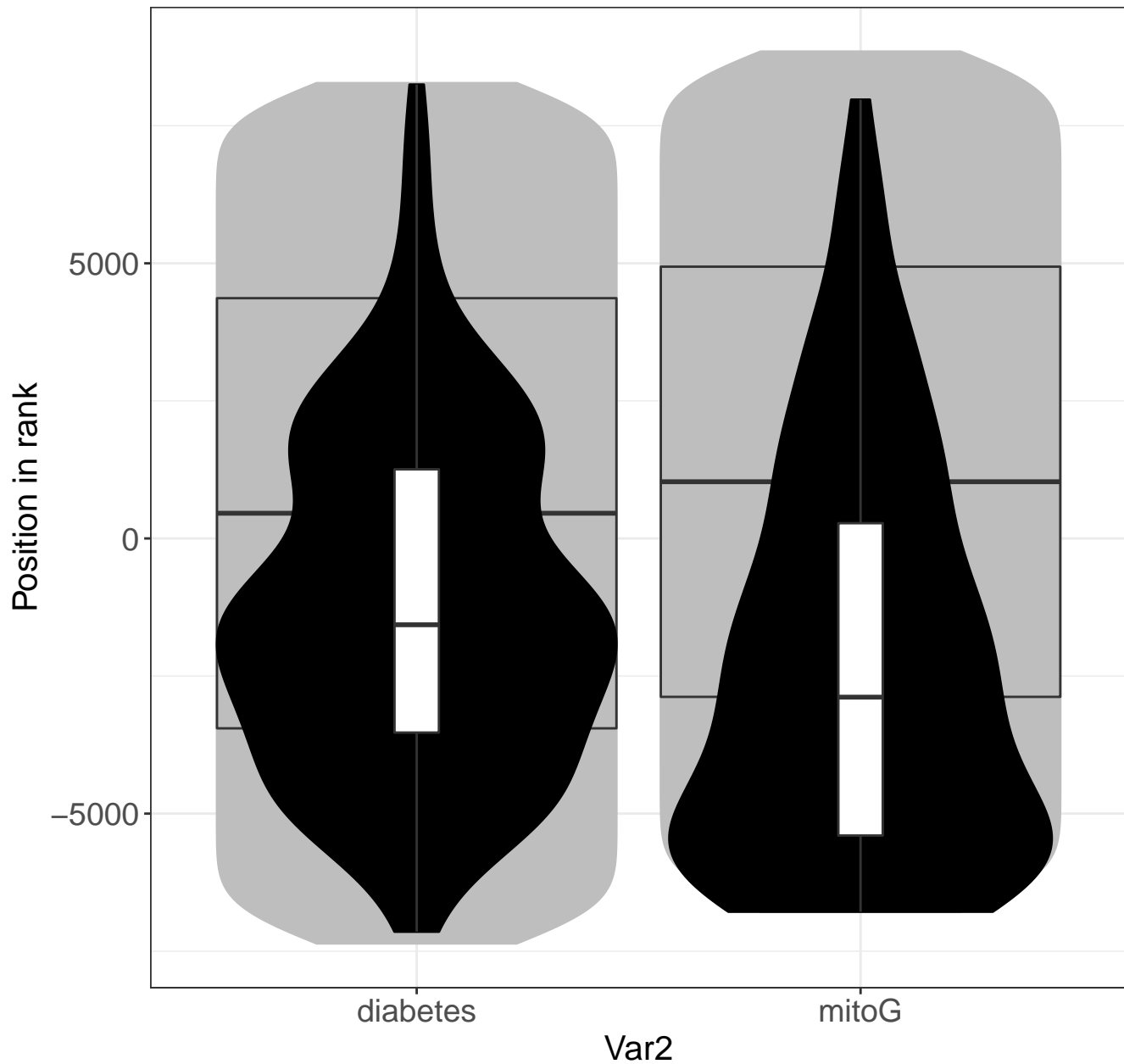
# Olfactory Signaling Pathway



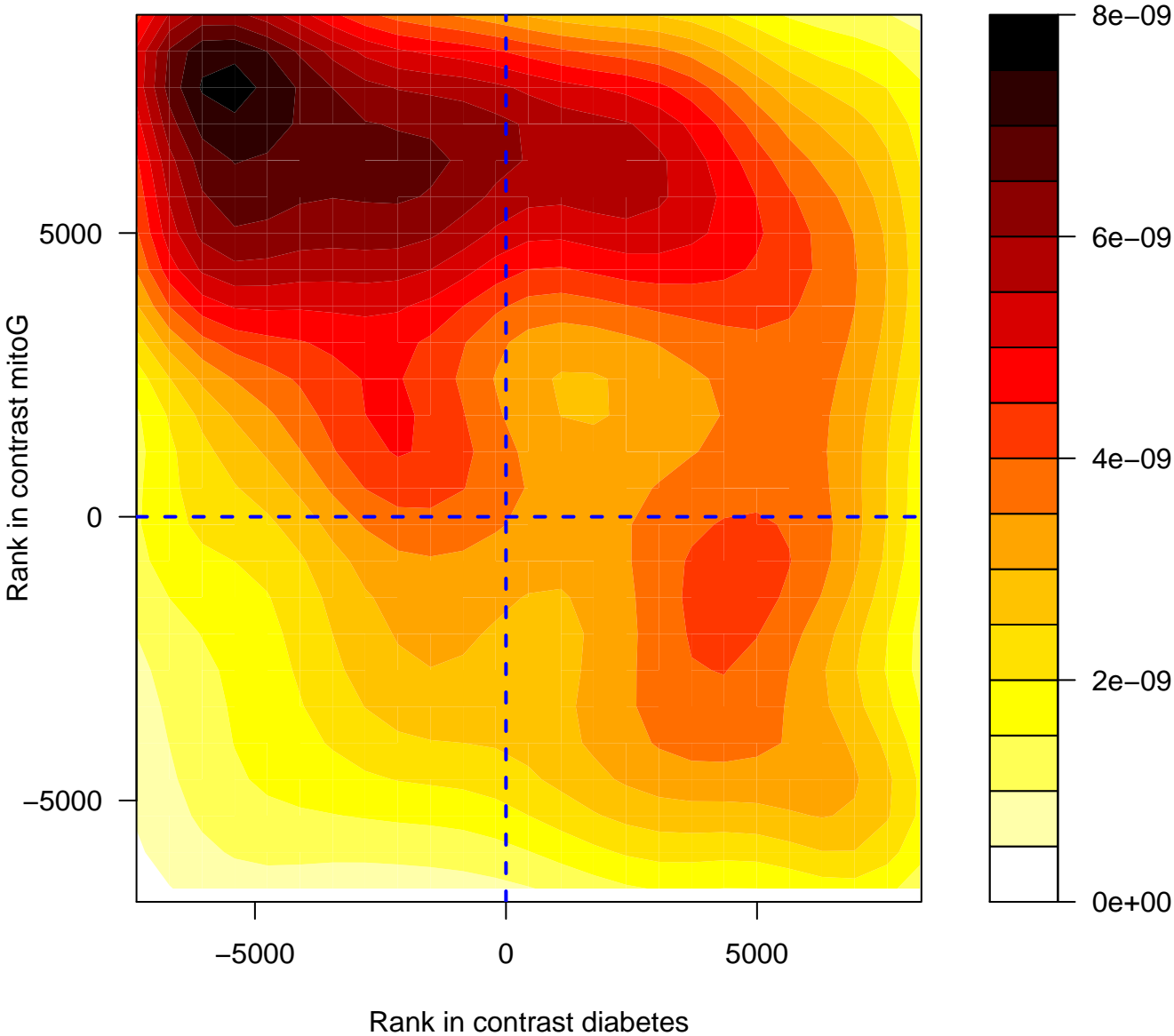
# Olfactory Signaling Pathway



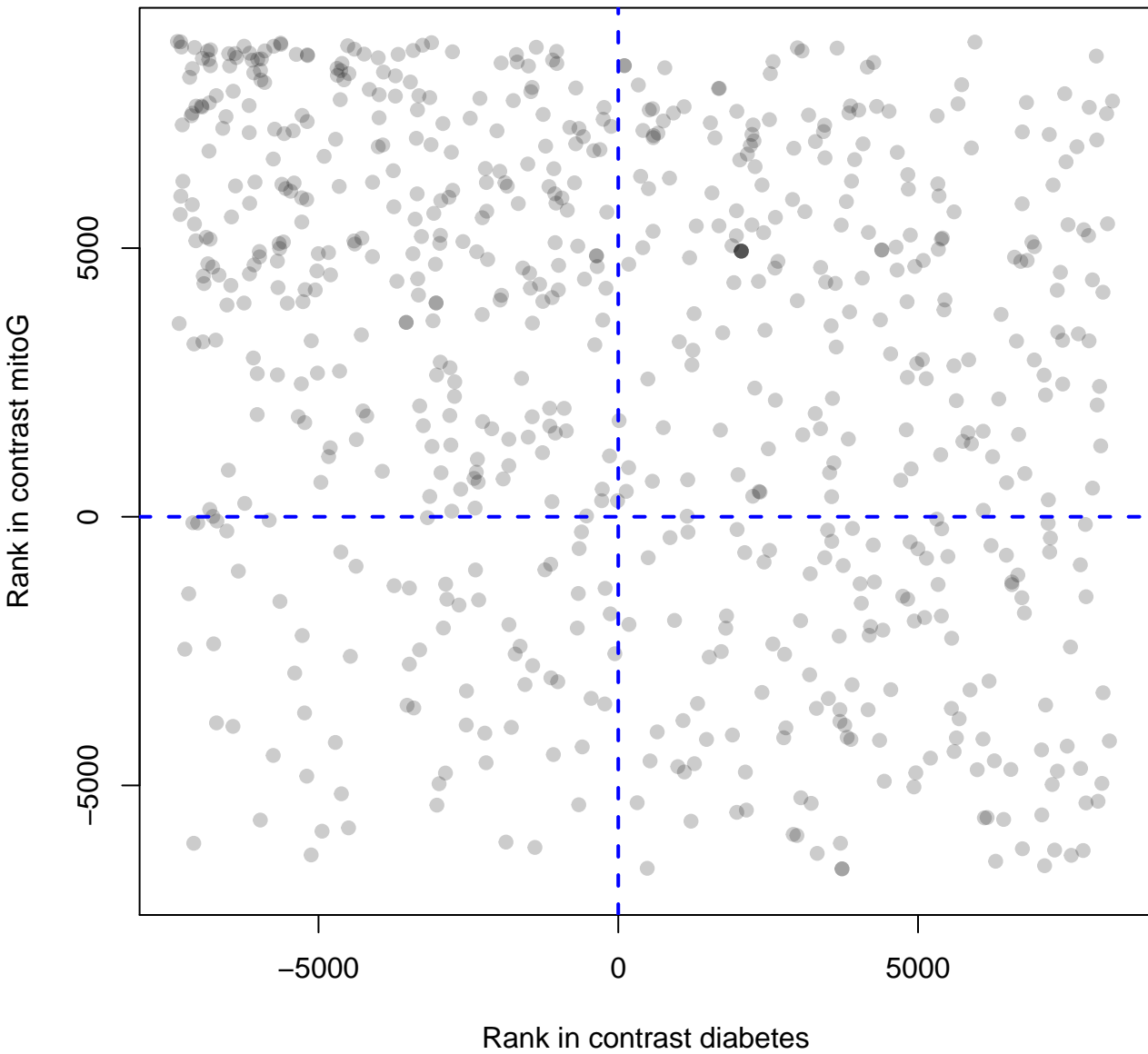
# Olfactory Signaling Pathway



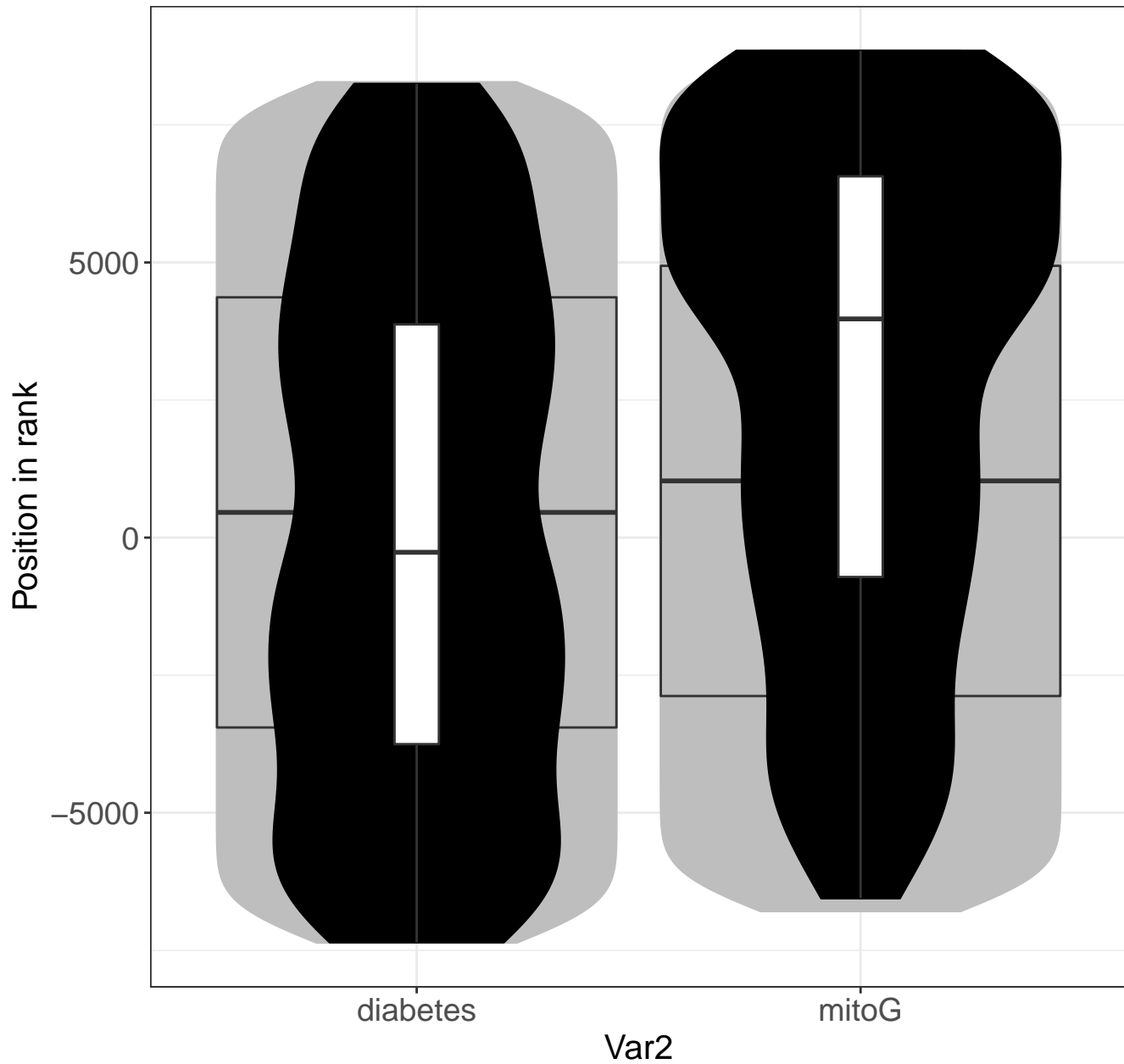
# Infectious disease



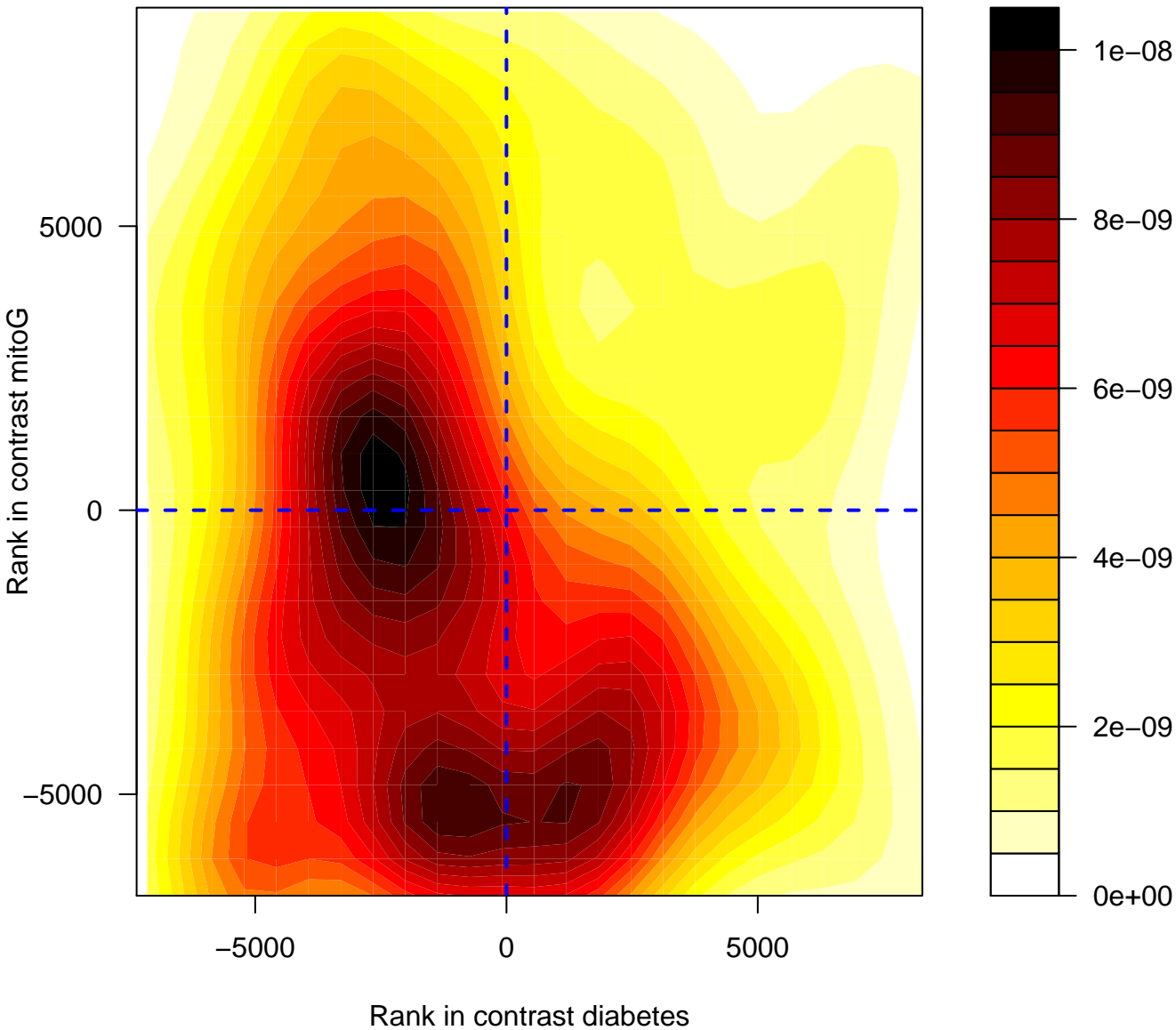
# Infectious disease



# Infectious disease

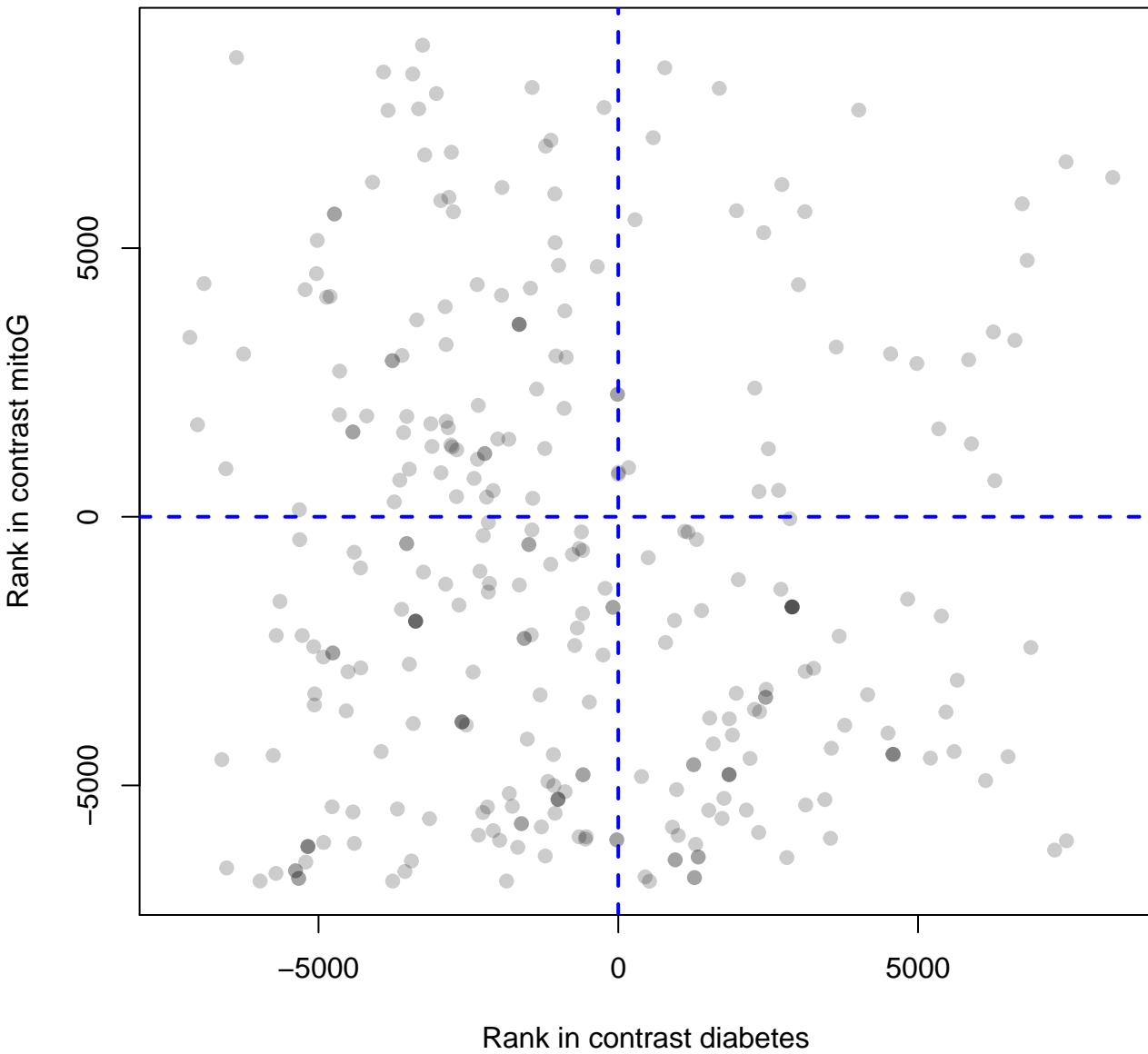


# G alpha (s) signalling events

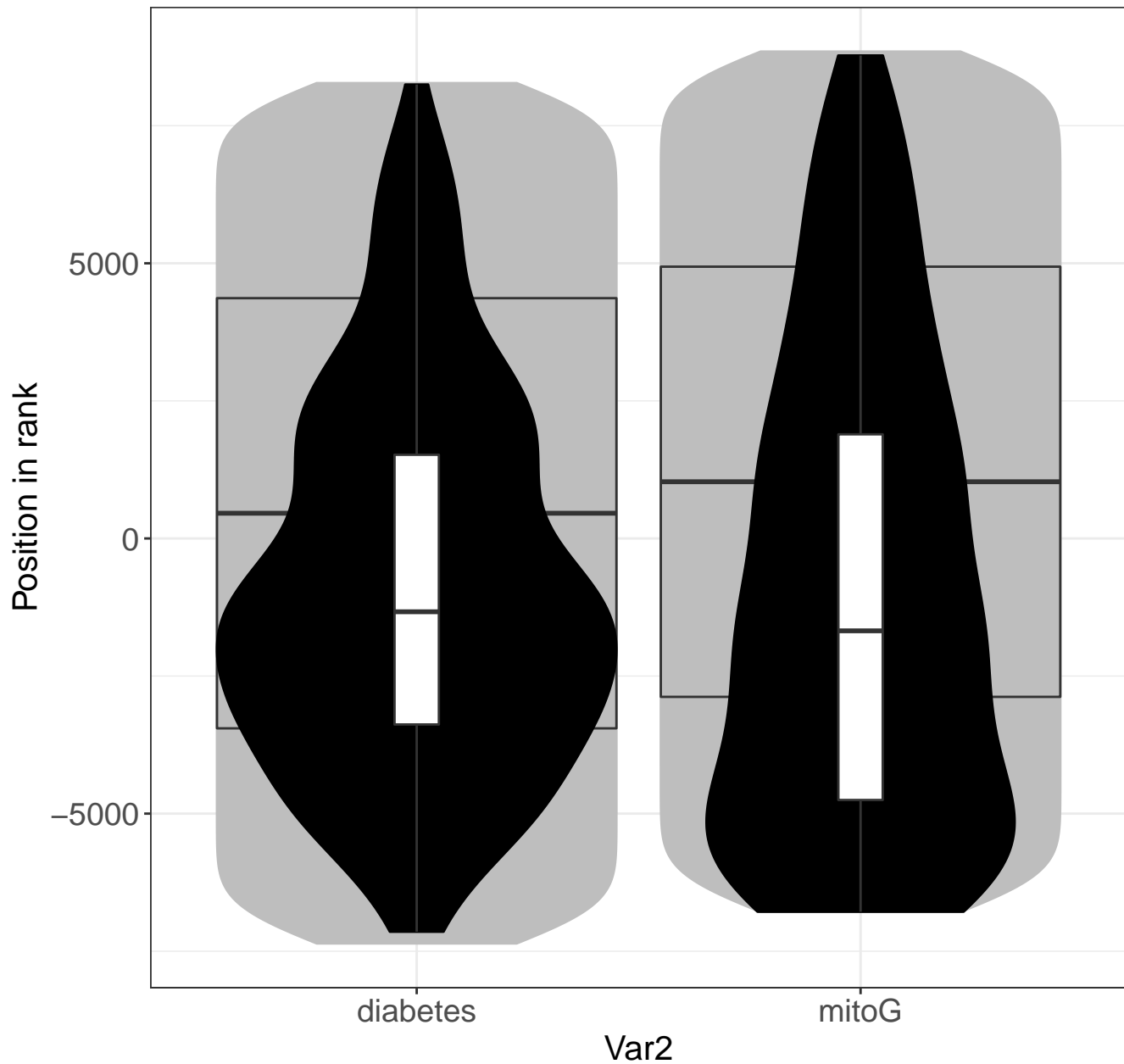




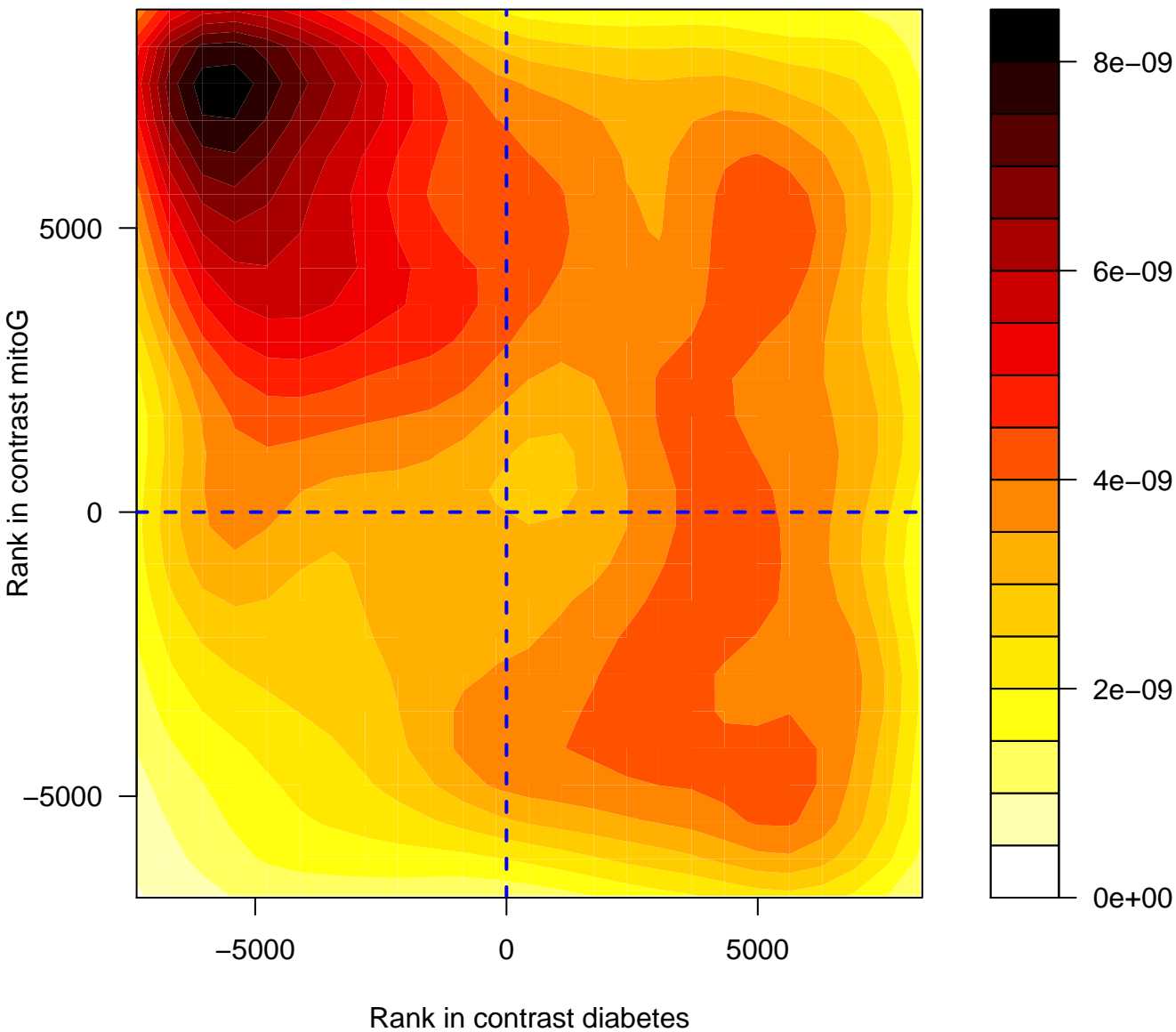
# G alpha (s) signalling events



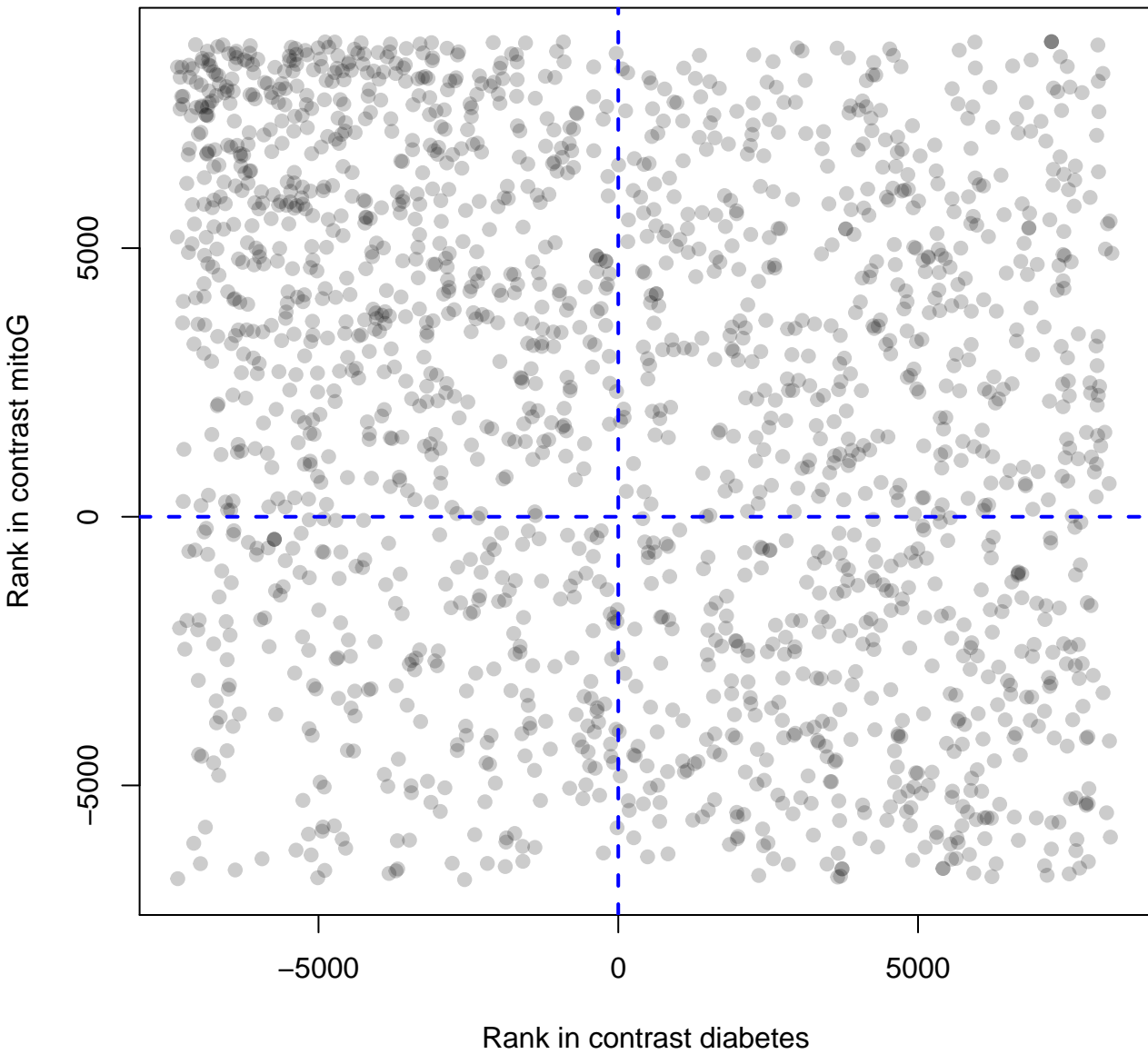
# G alpha (s) signalling events



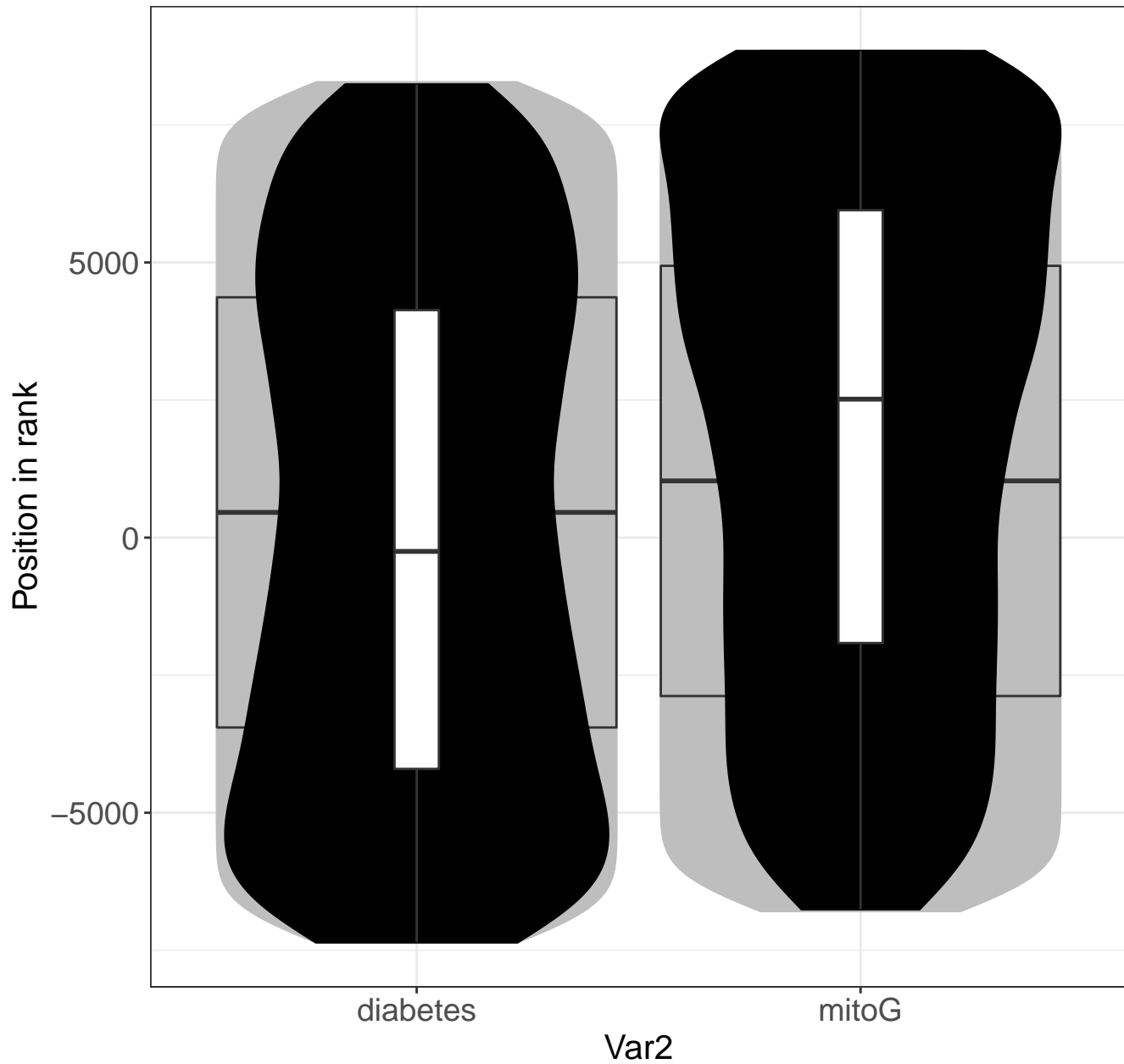
# Metabolism of proteins



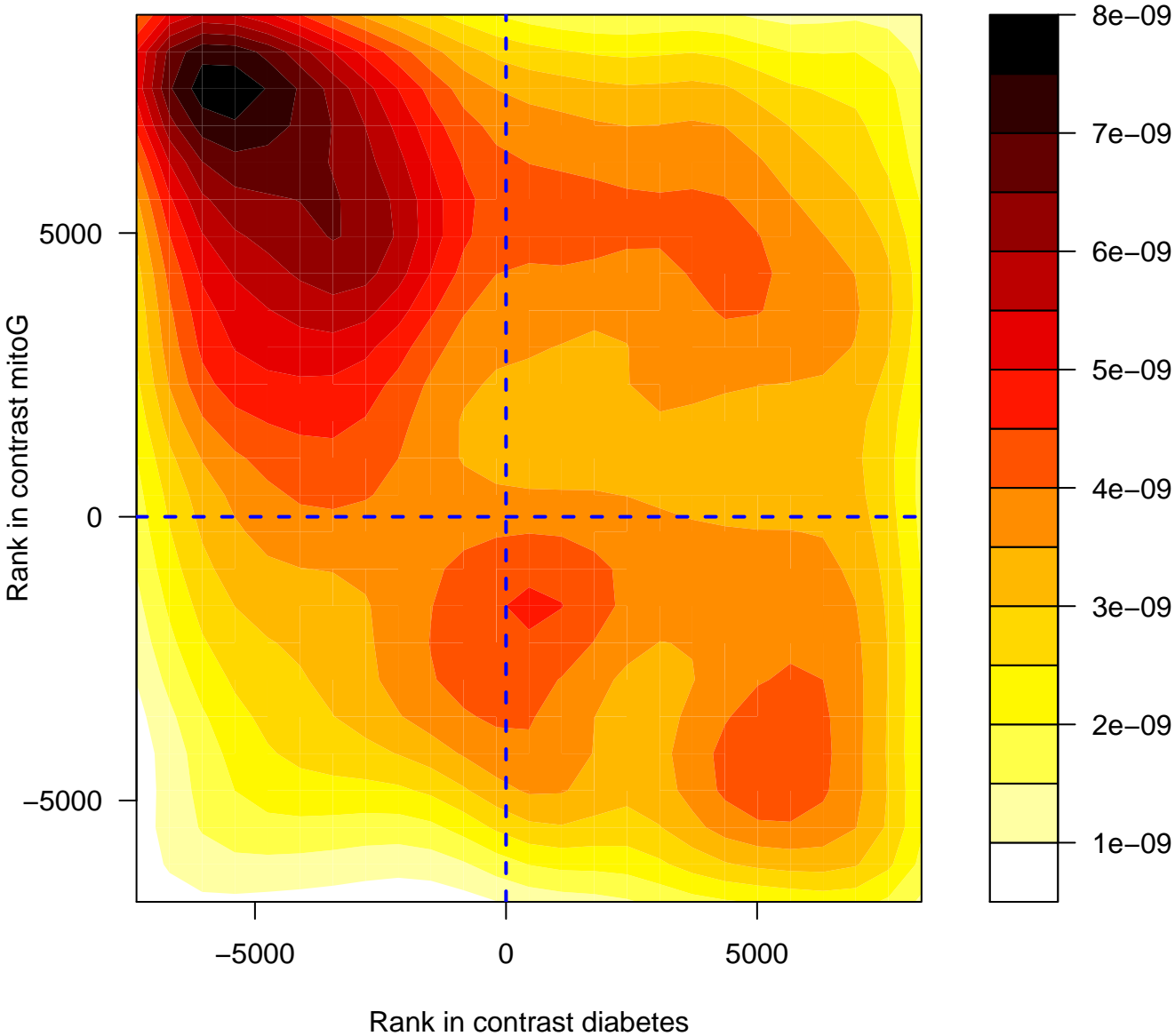
# Metabolism of proteins



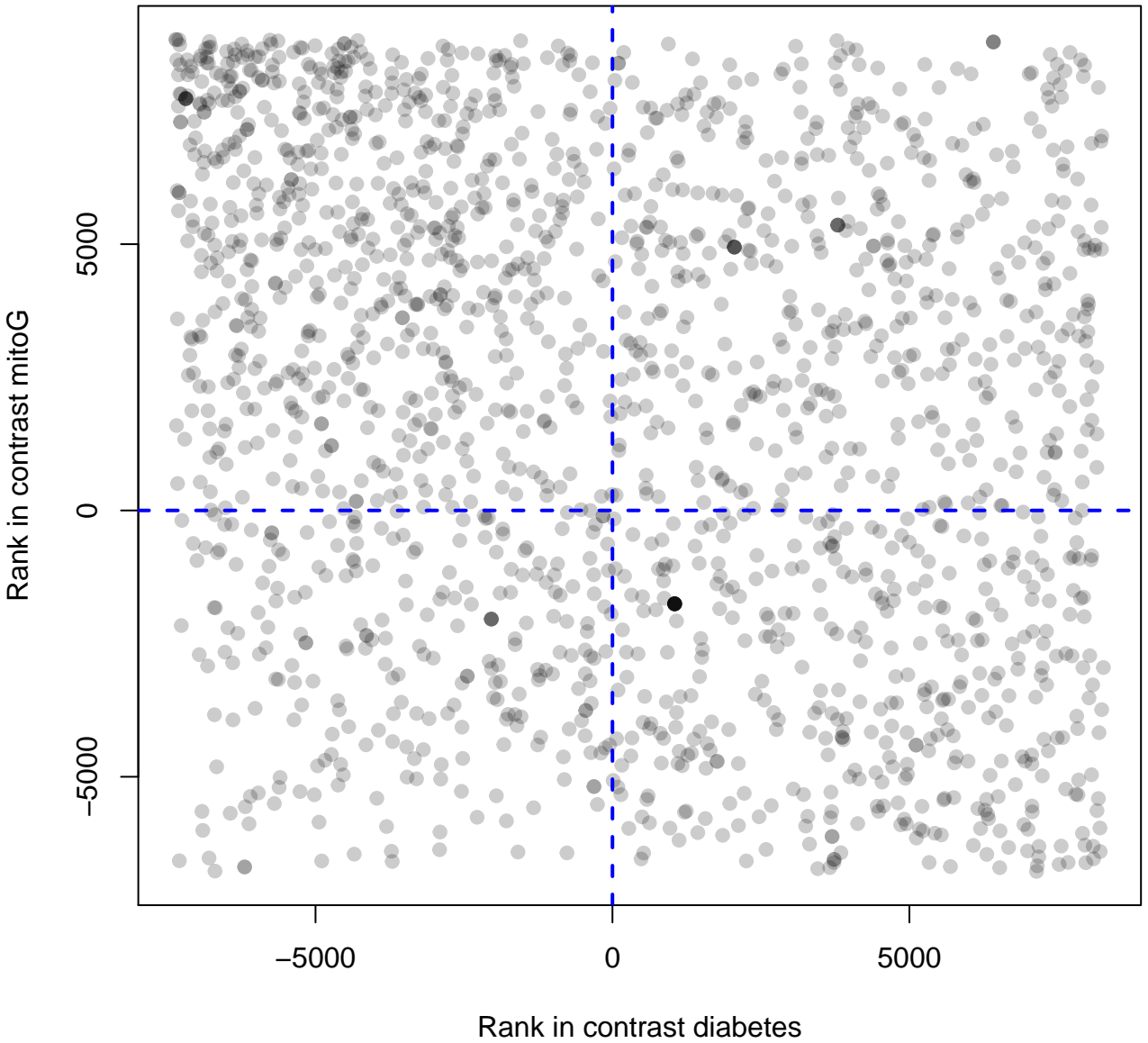
# Metabolism of proteins



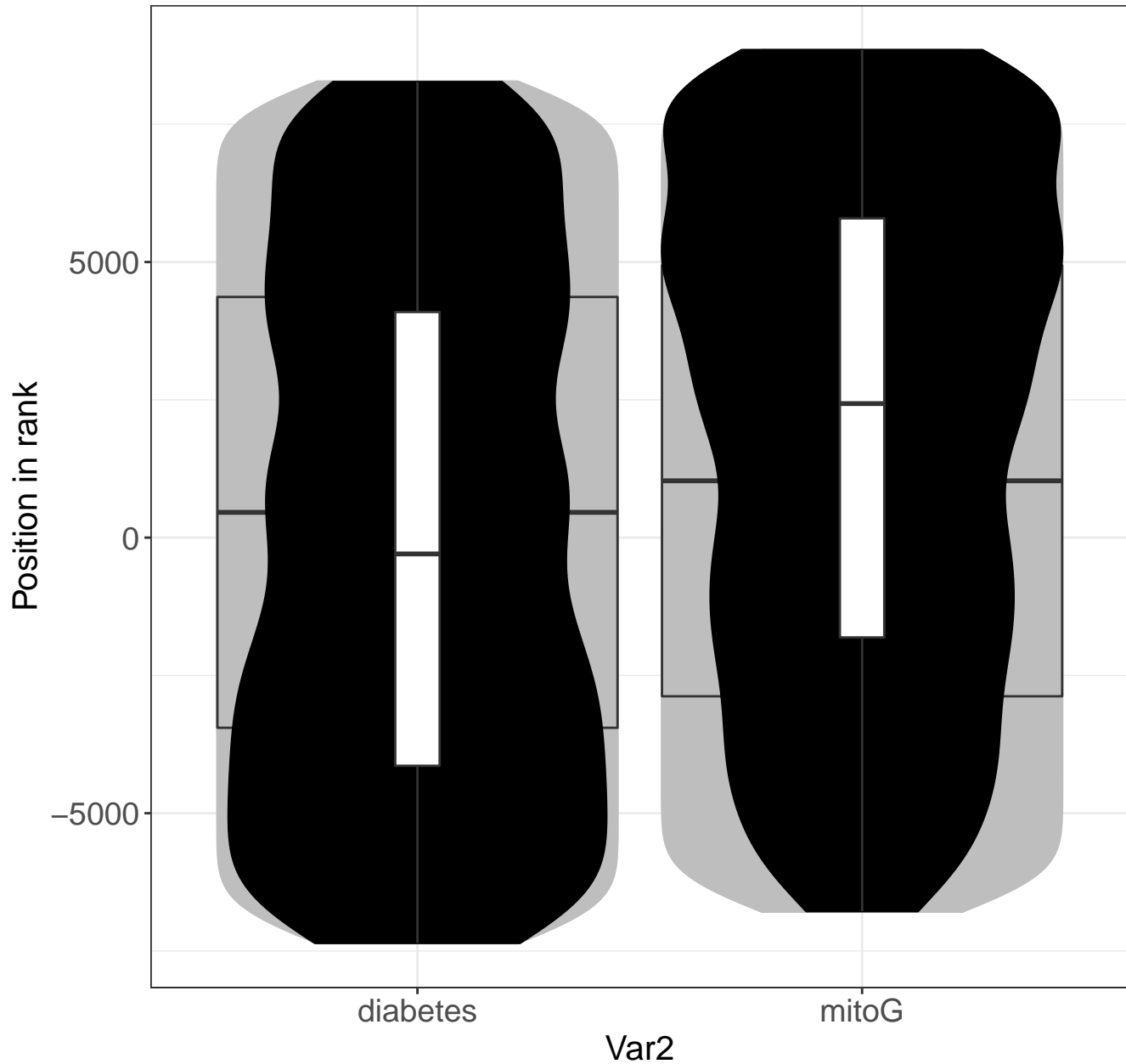
# Immune System



# Immune System

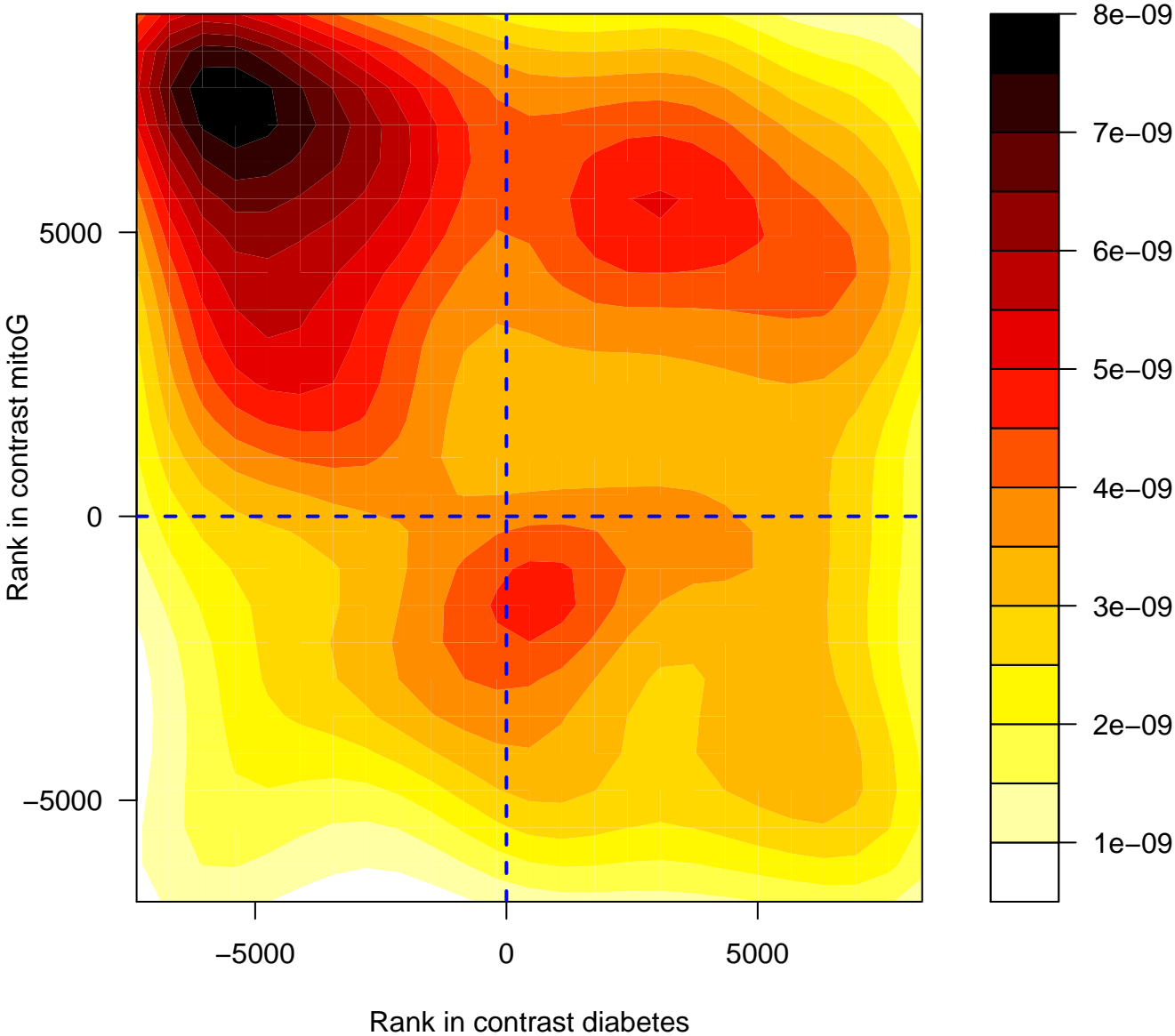


# Immune System

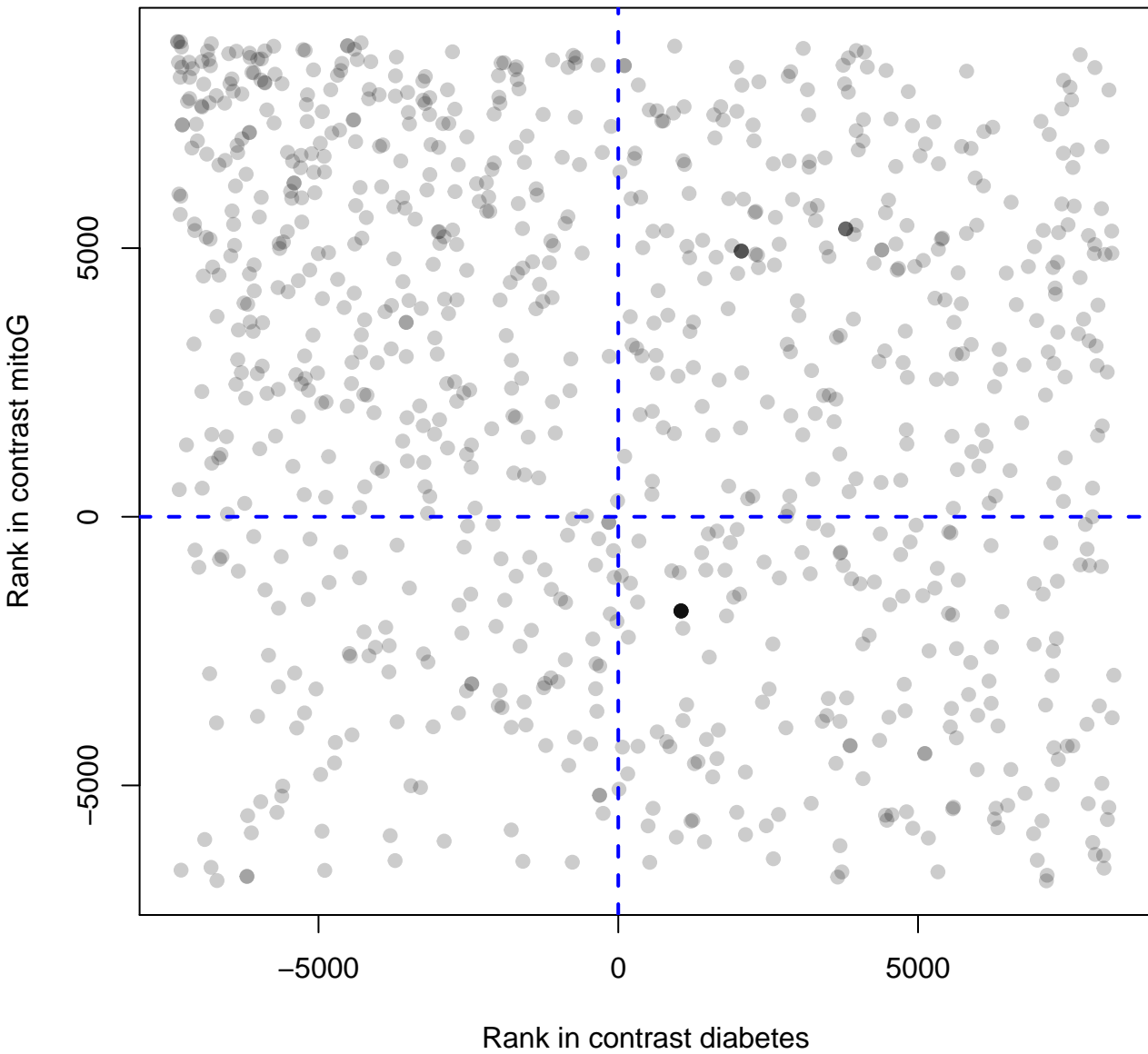




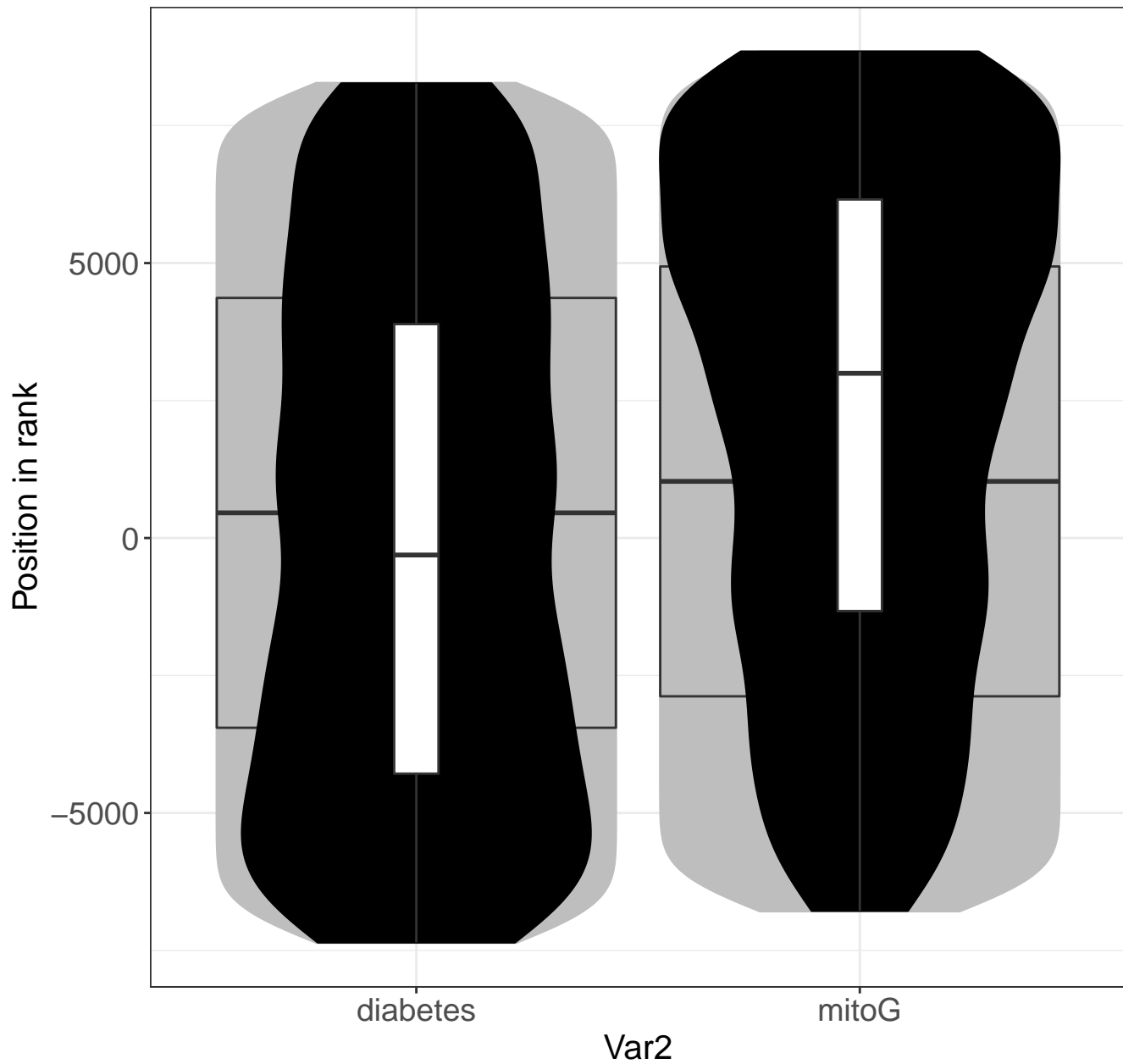
# Innate Immune System



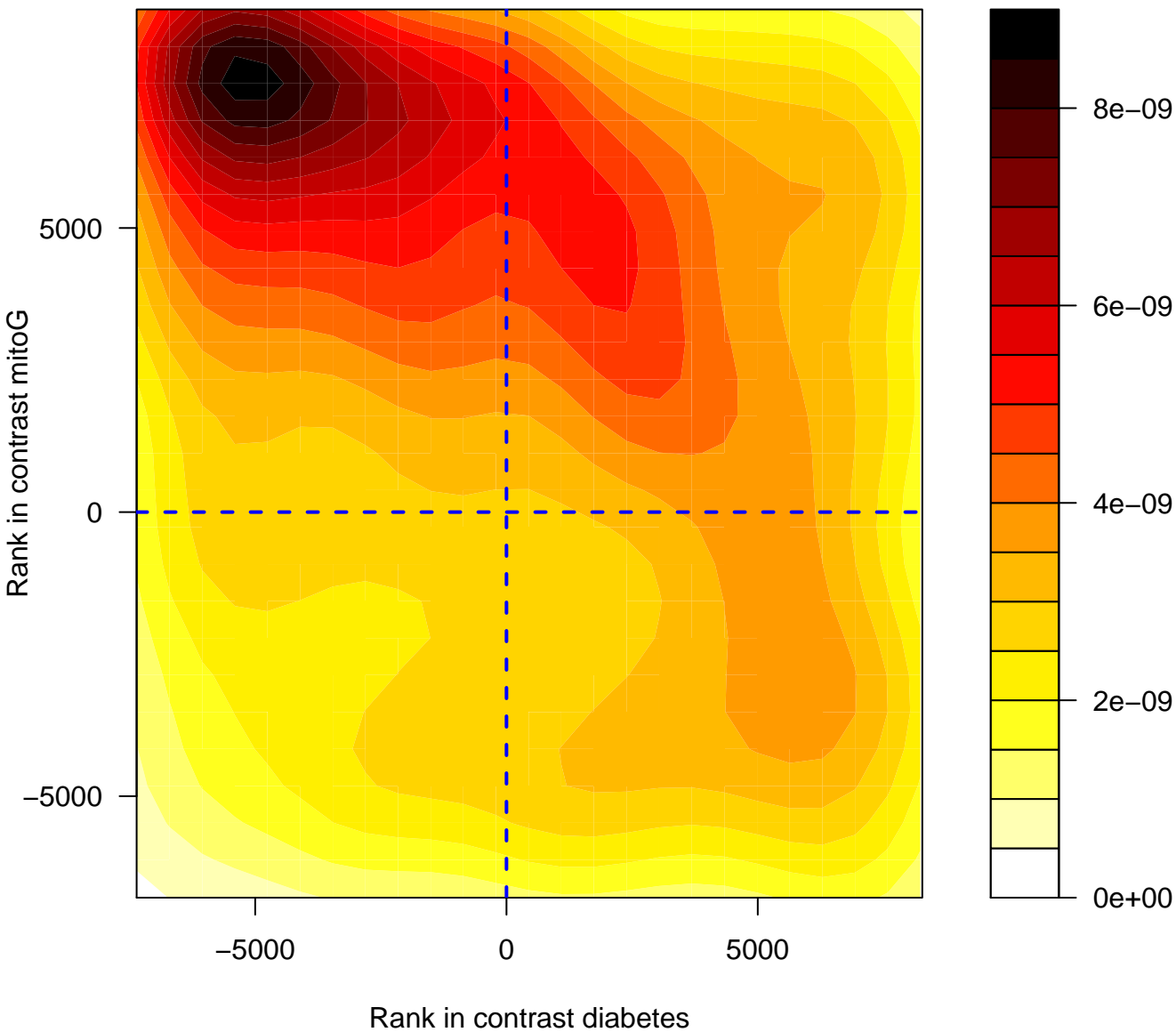
# Innate Immune System



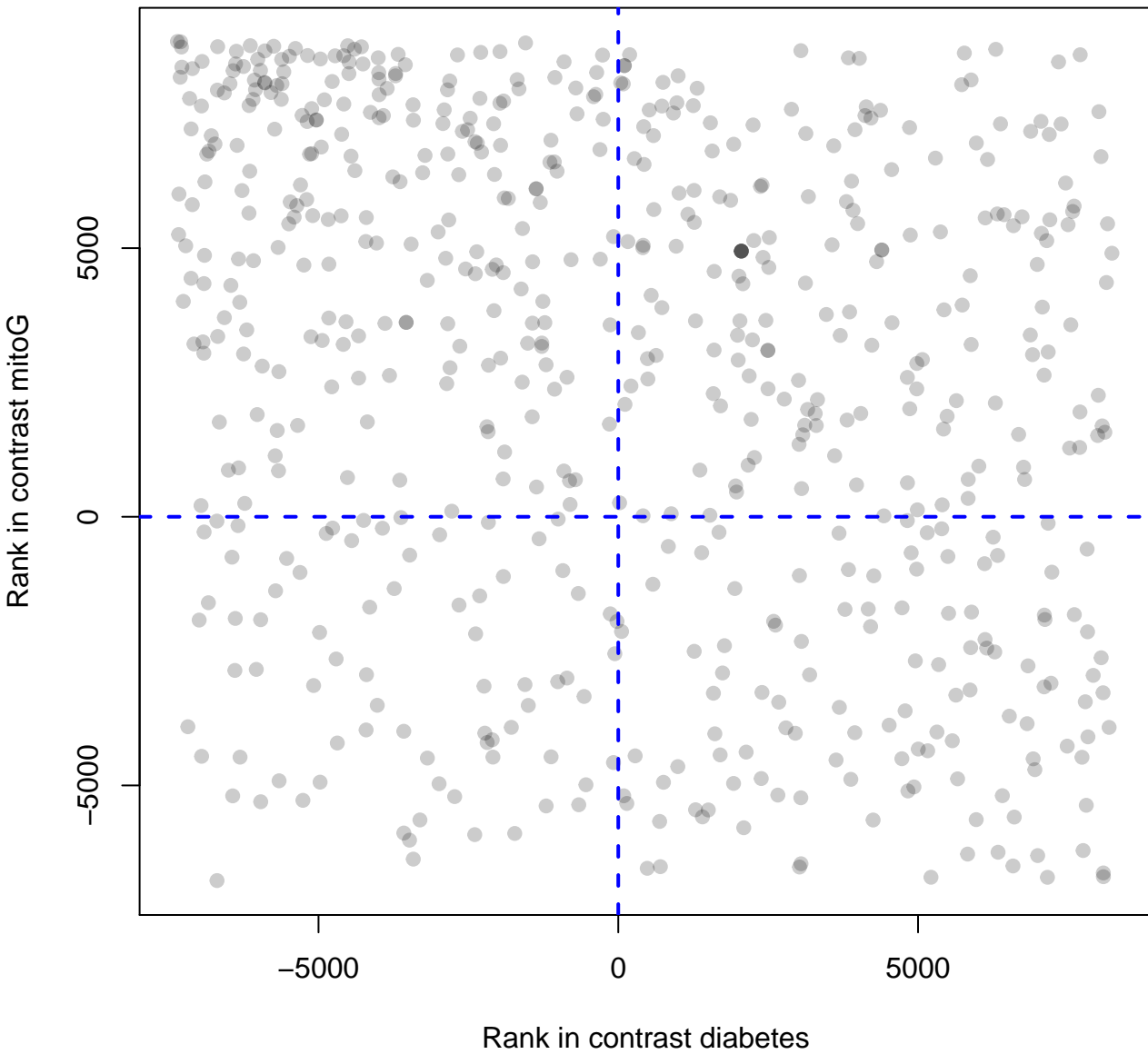
# Innate Immune System



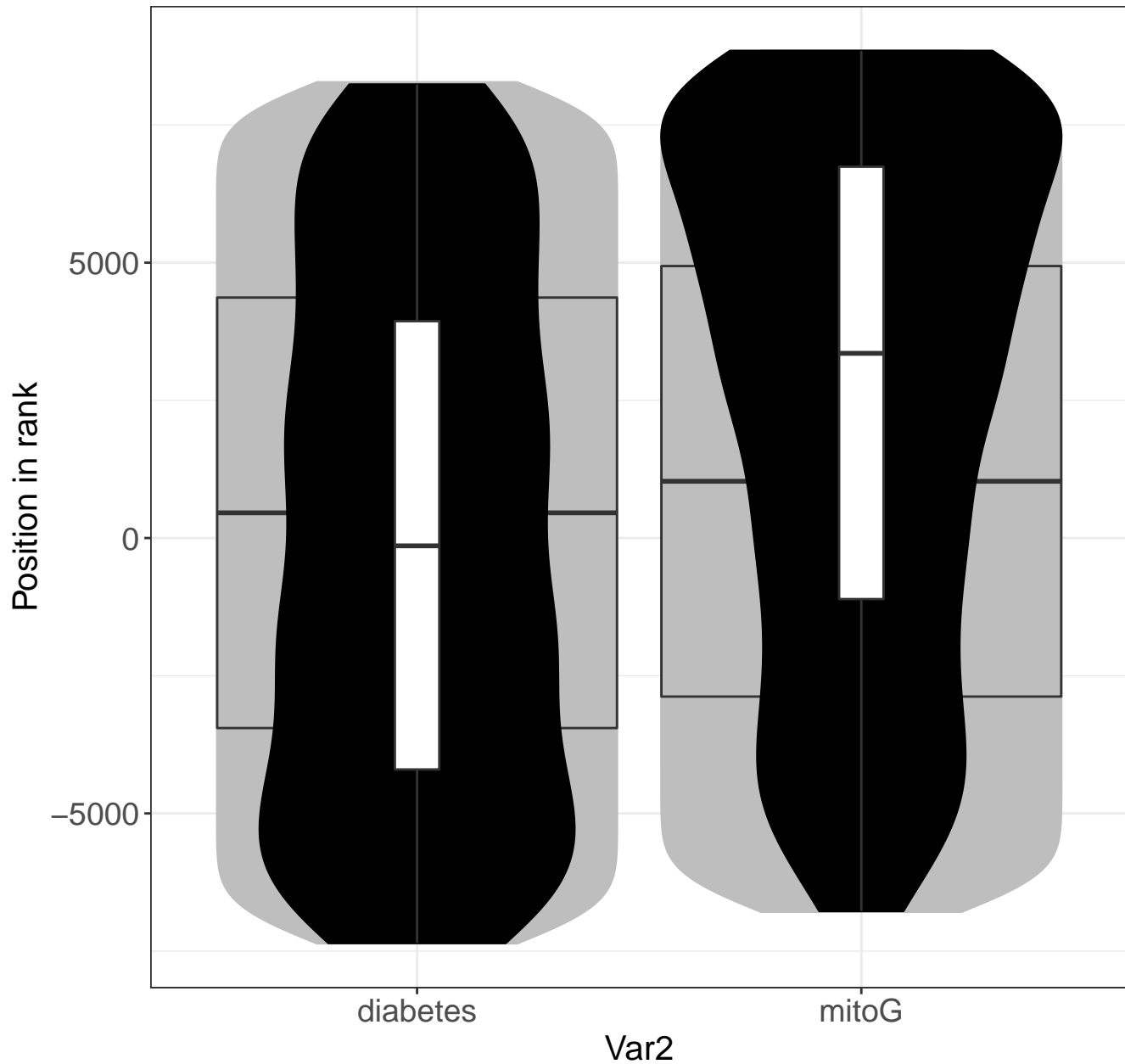
# Vesicle-mediated transport



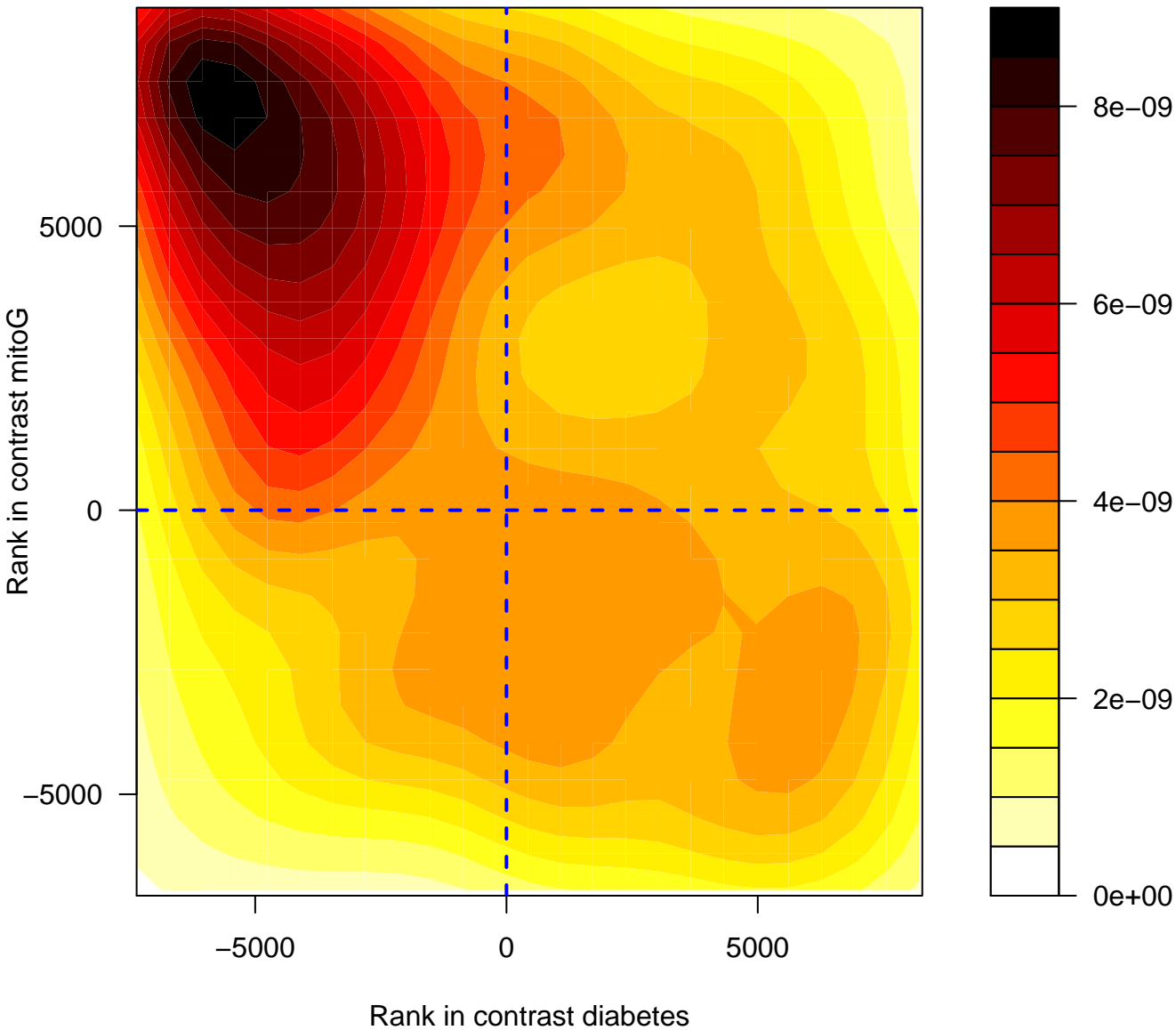
# Vesicle-mediated transport



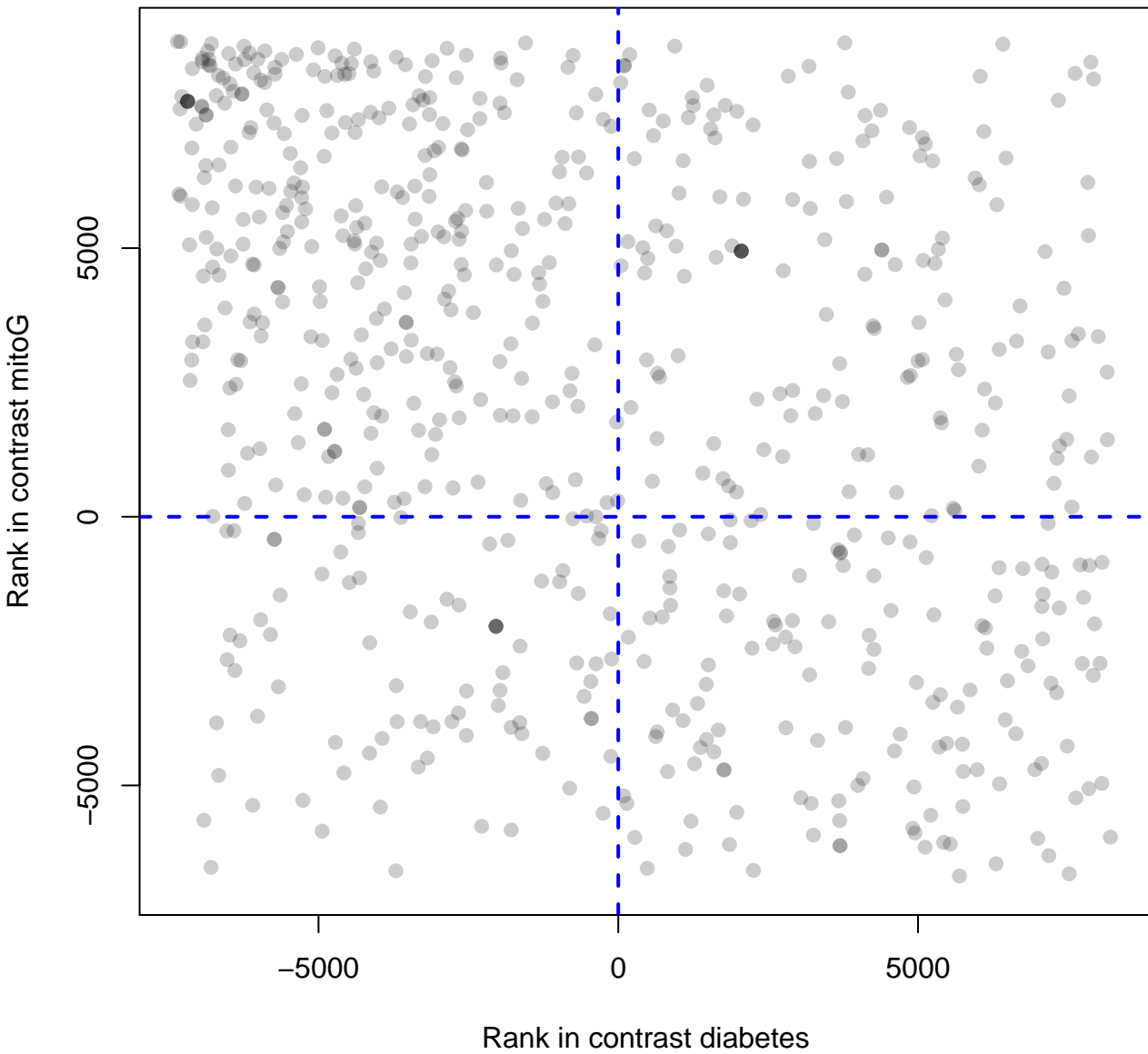
# Vesicle-mediated transport



# Adaptive Immune System

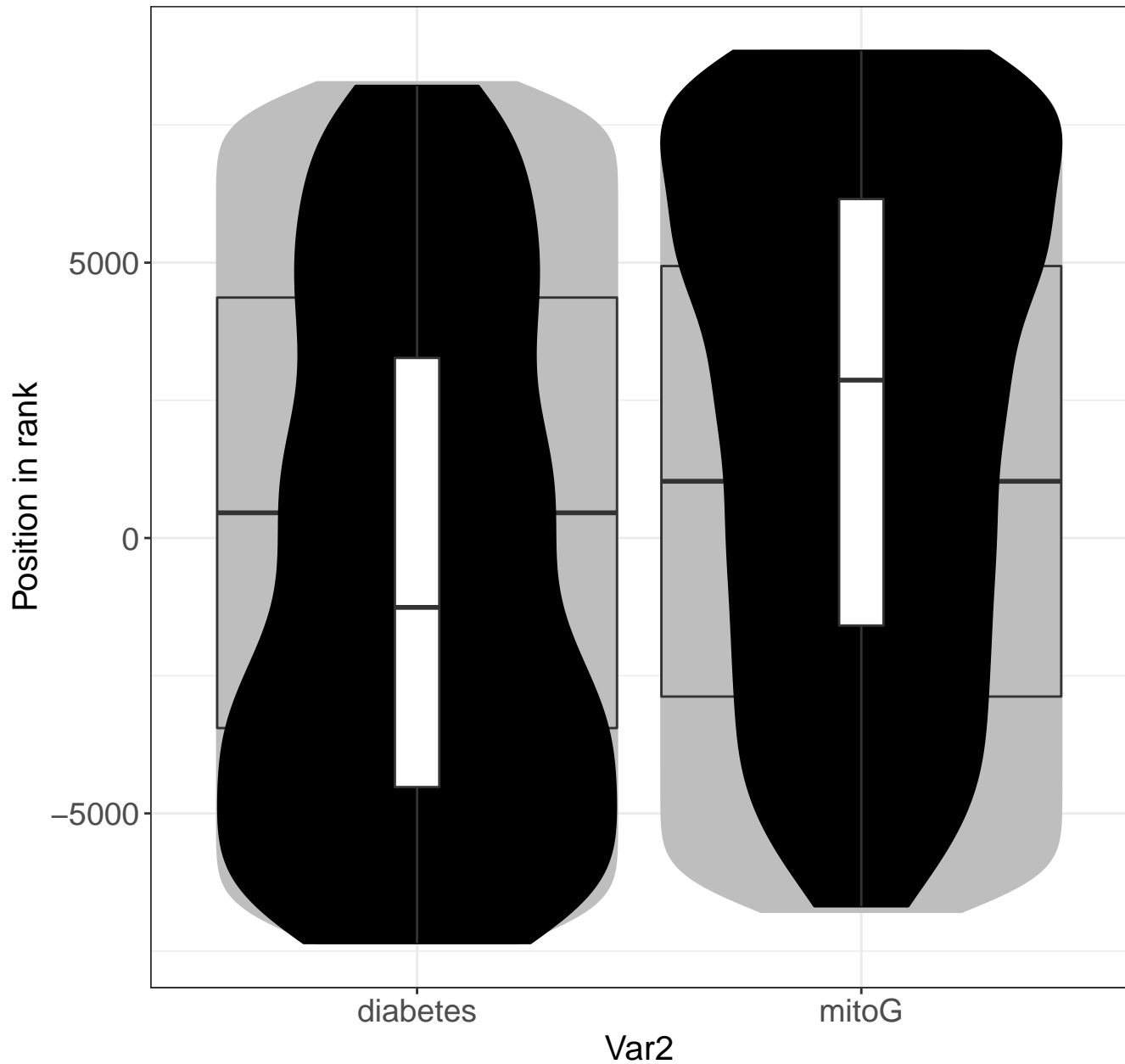


# Adaptive Immune System

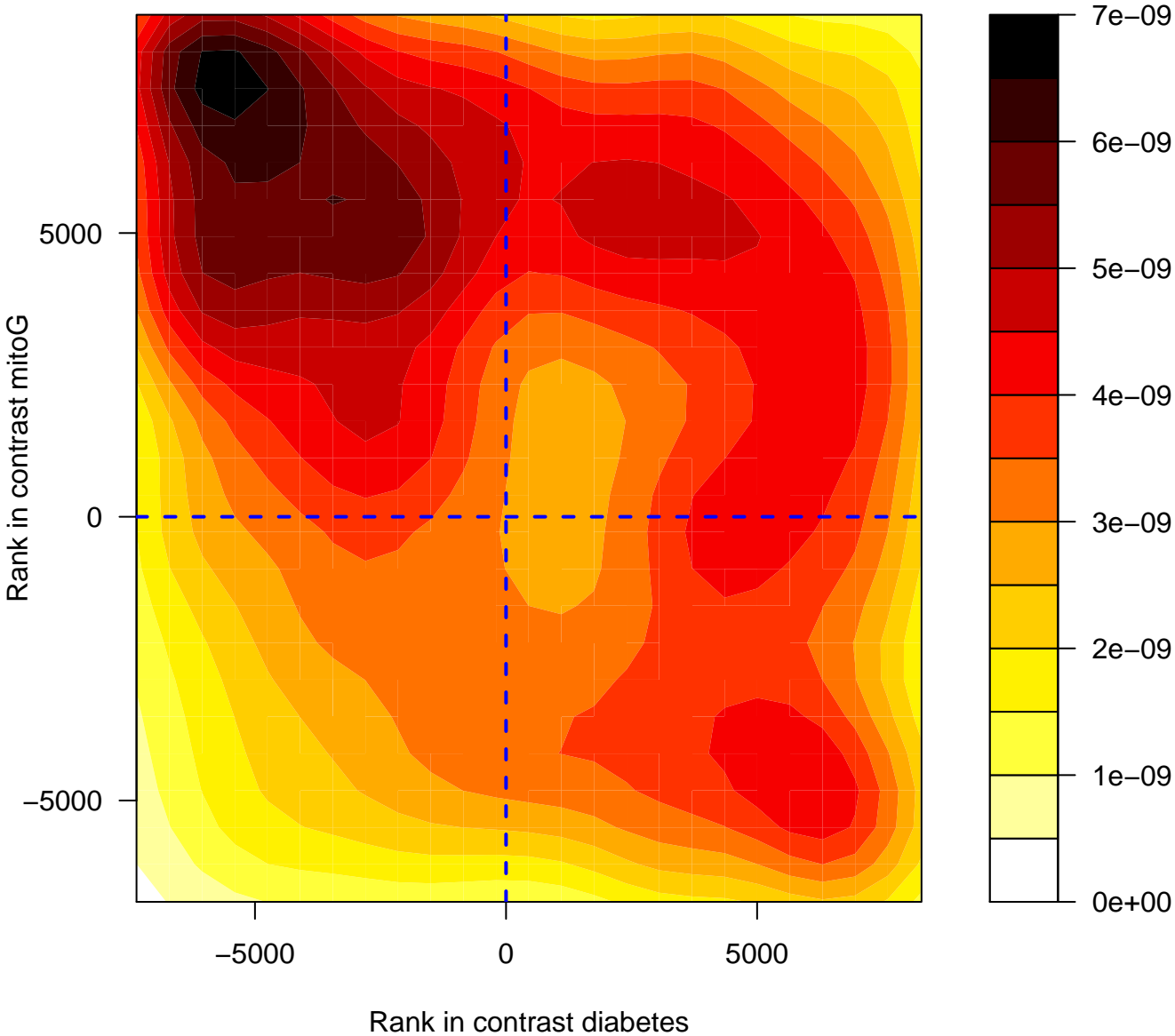




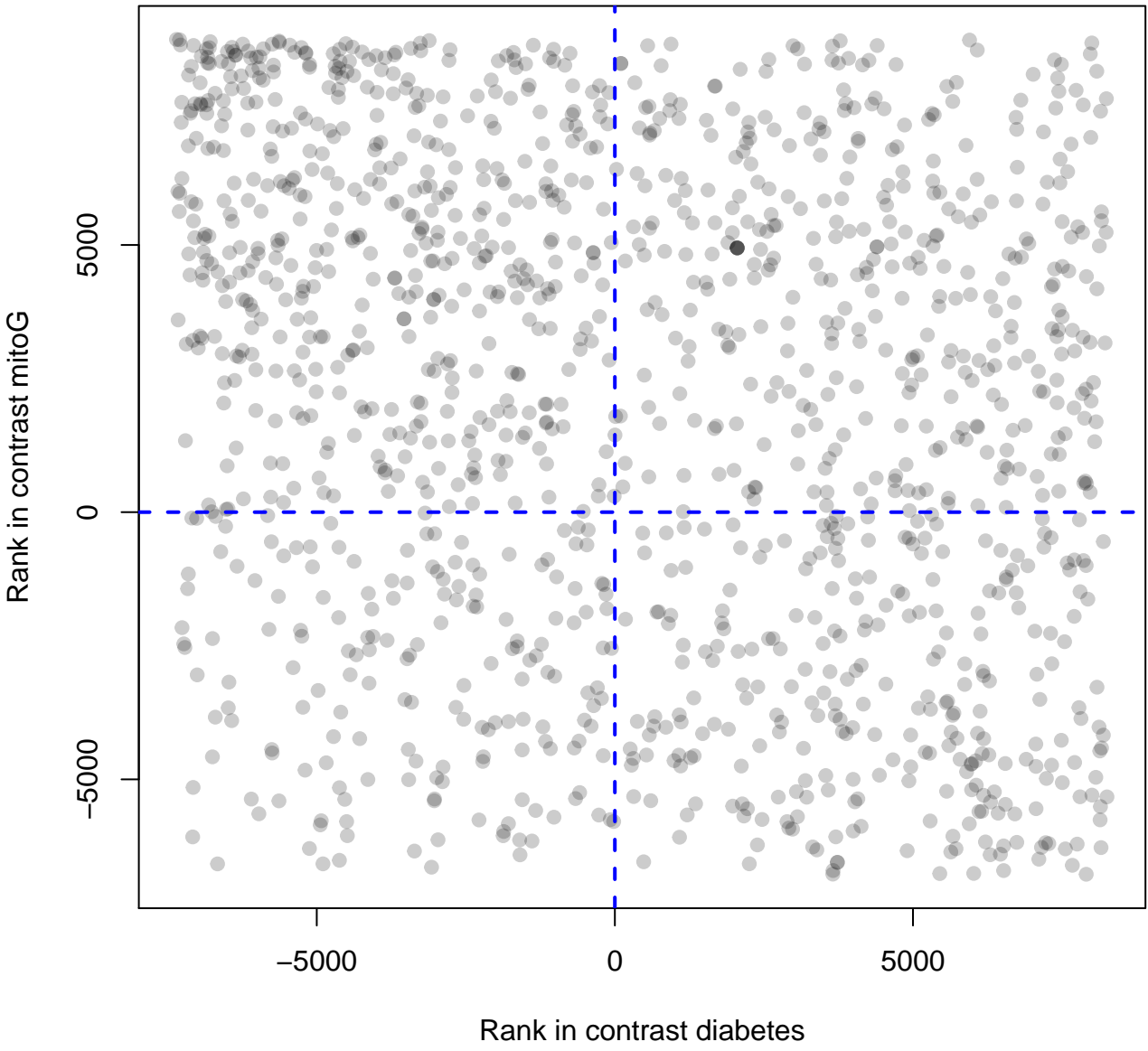
# Adaptive Immune System



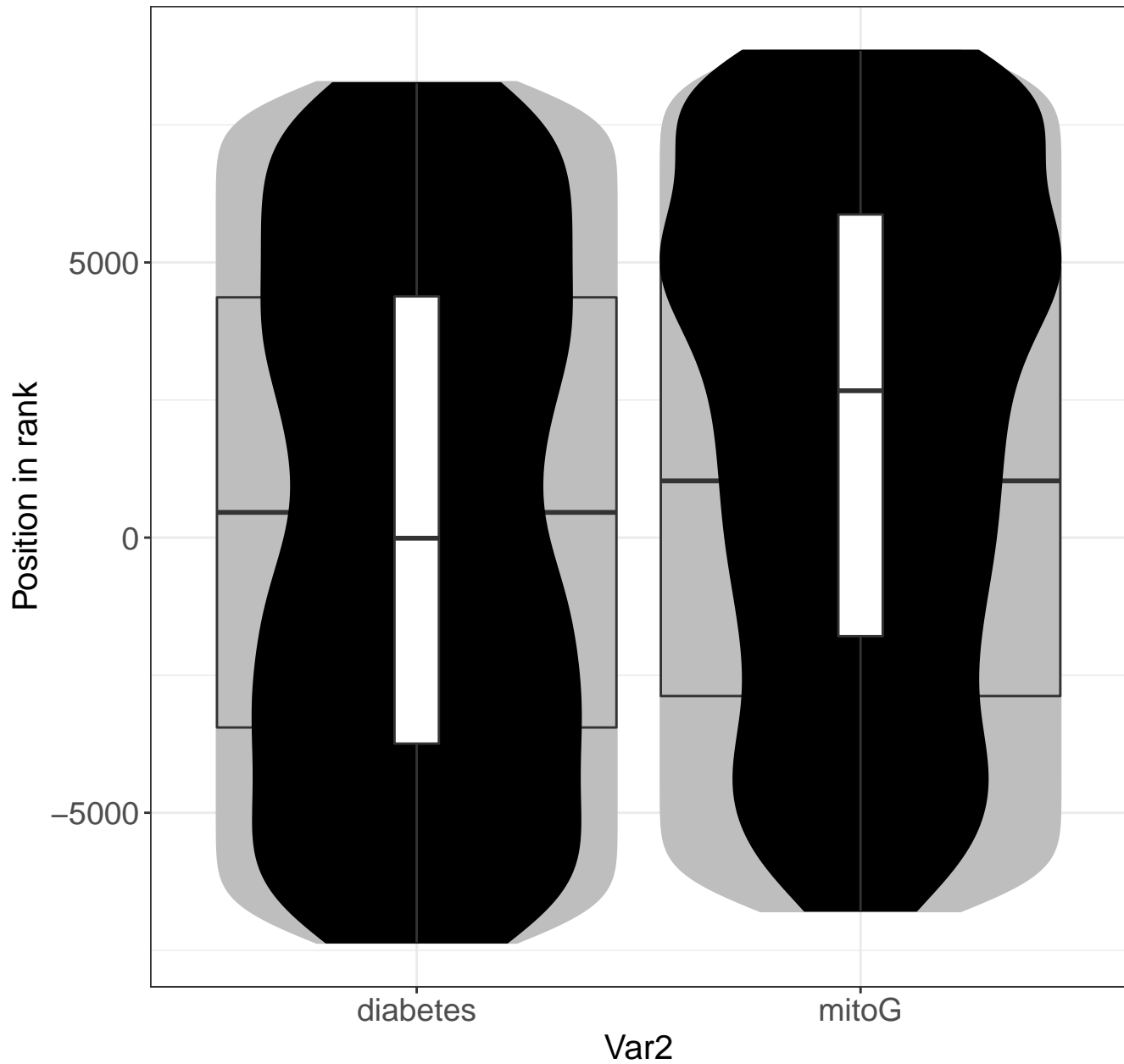
# Disease



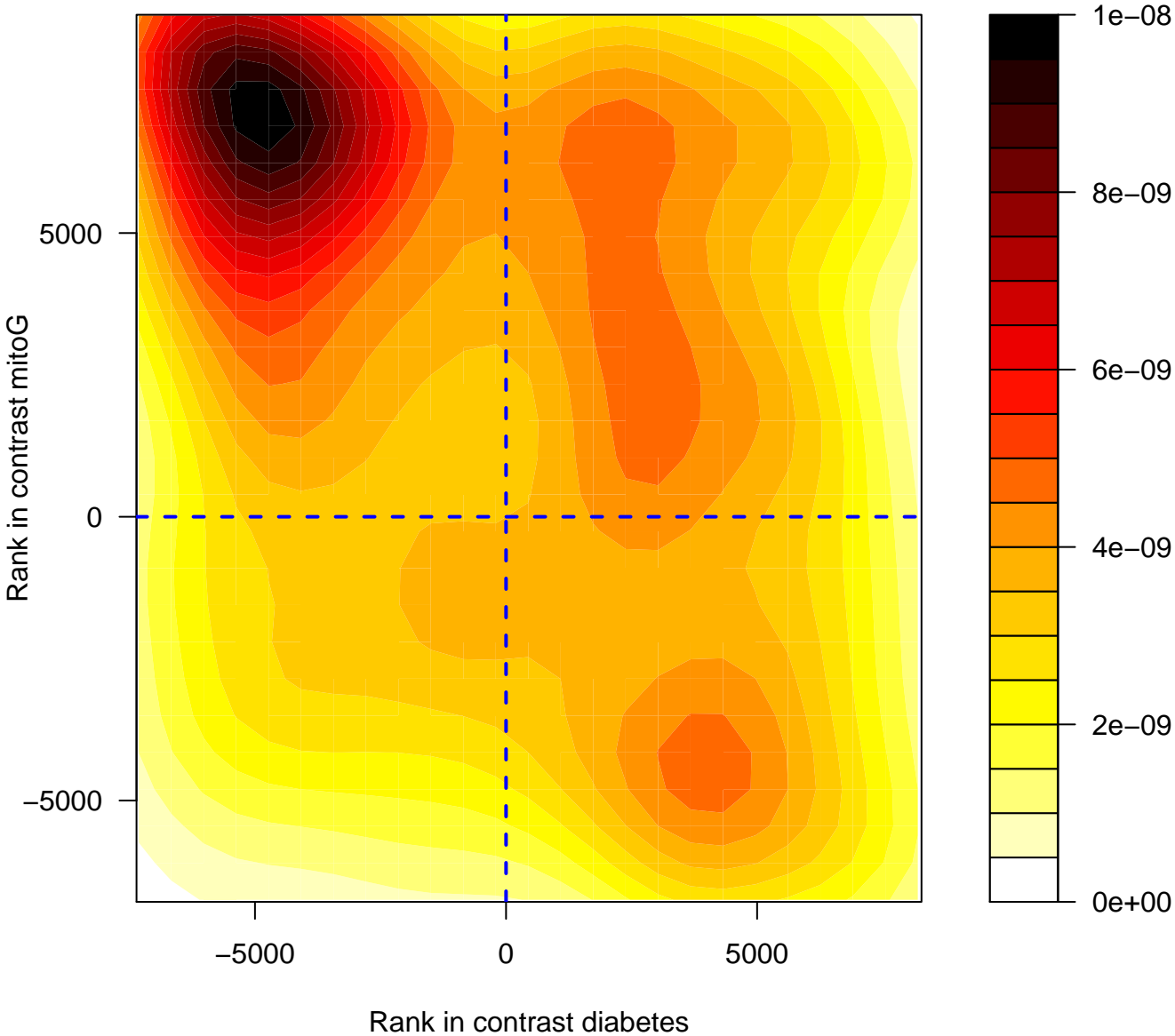
# Disease



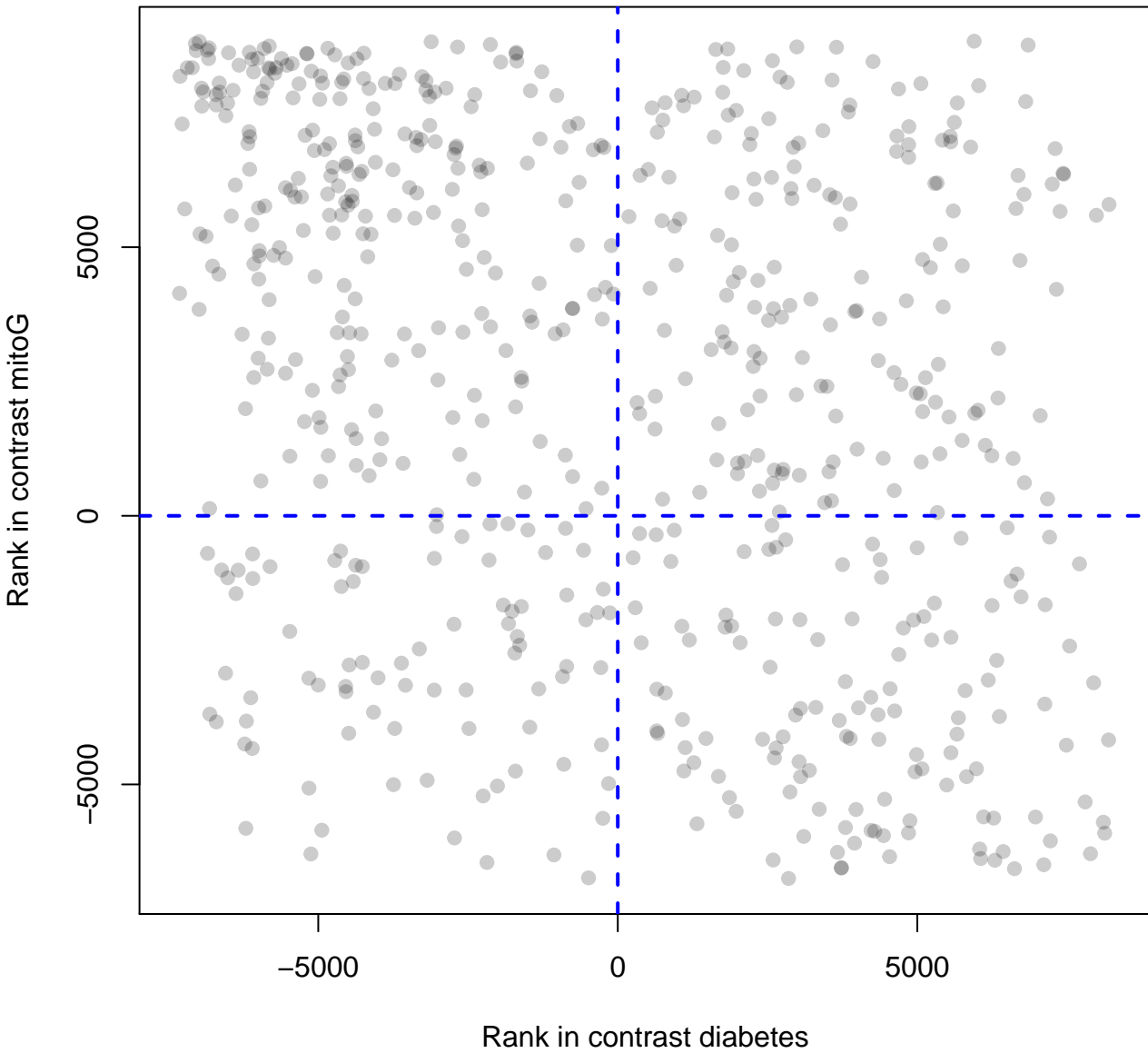
# Disease



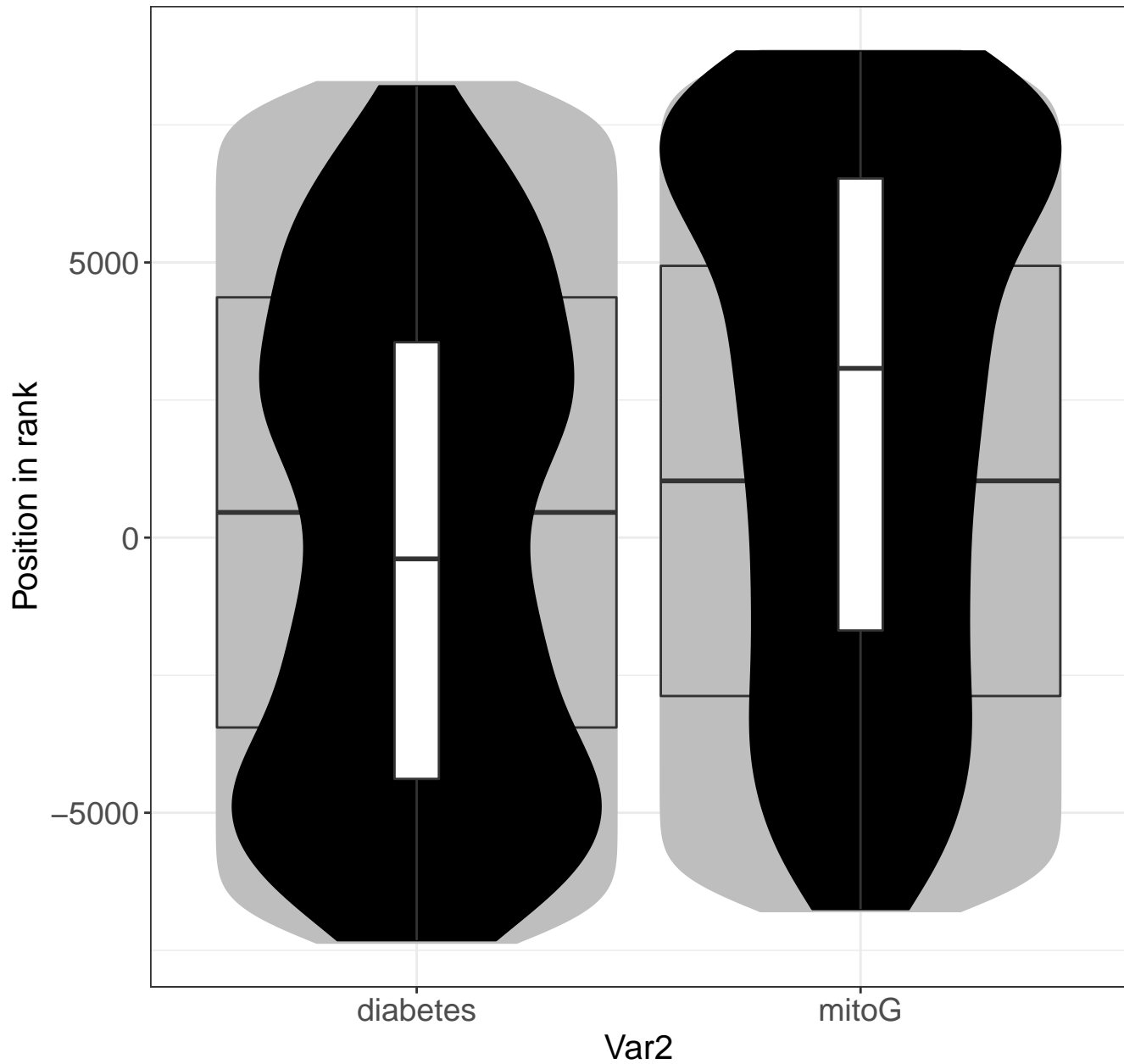
# Metabolism of RNA



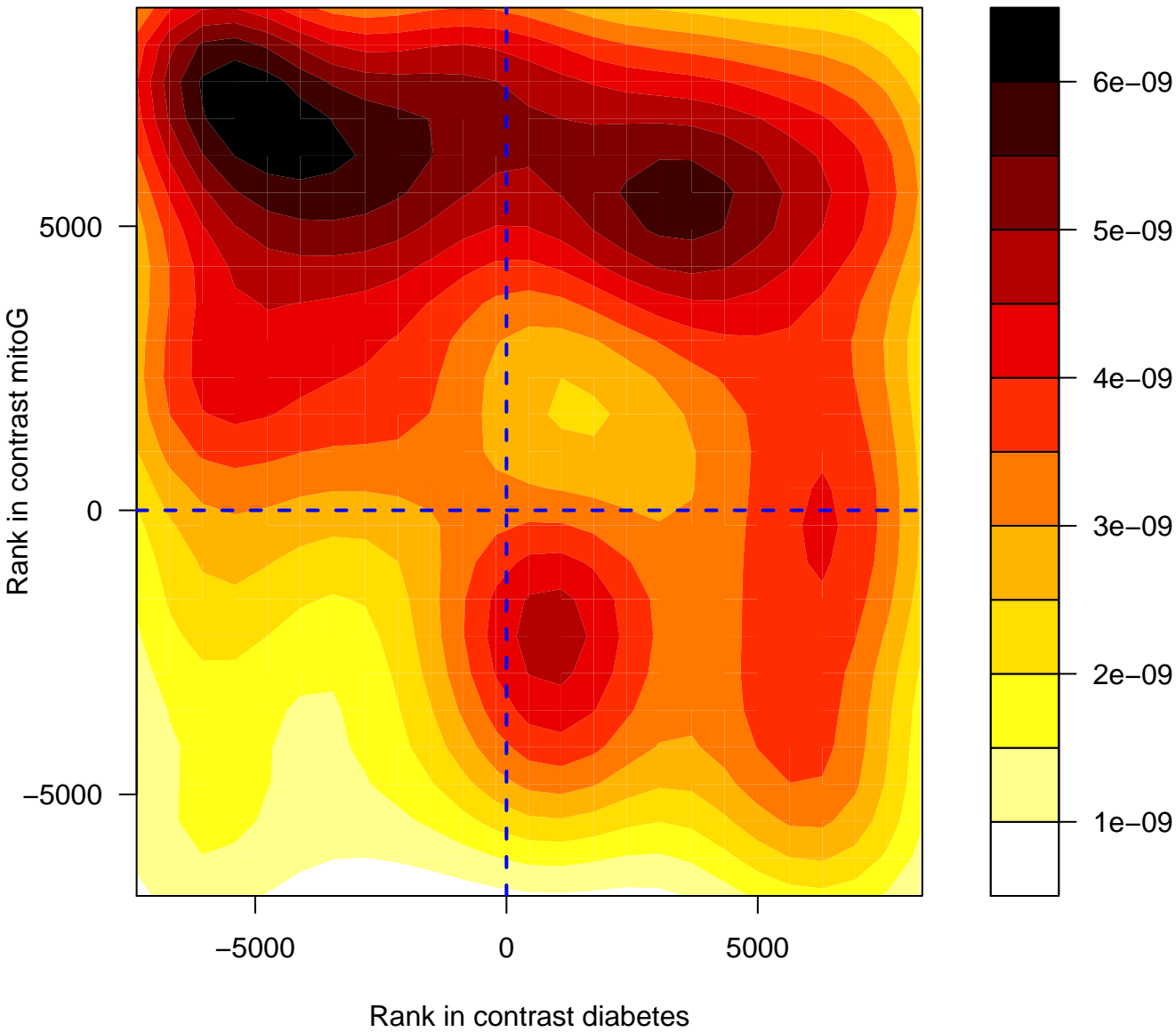
# Metabolism of RNA



# Metabolism of RNA

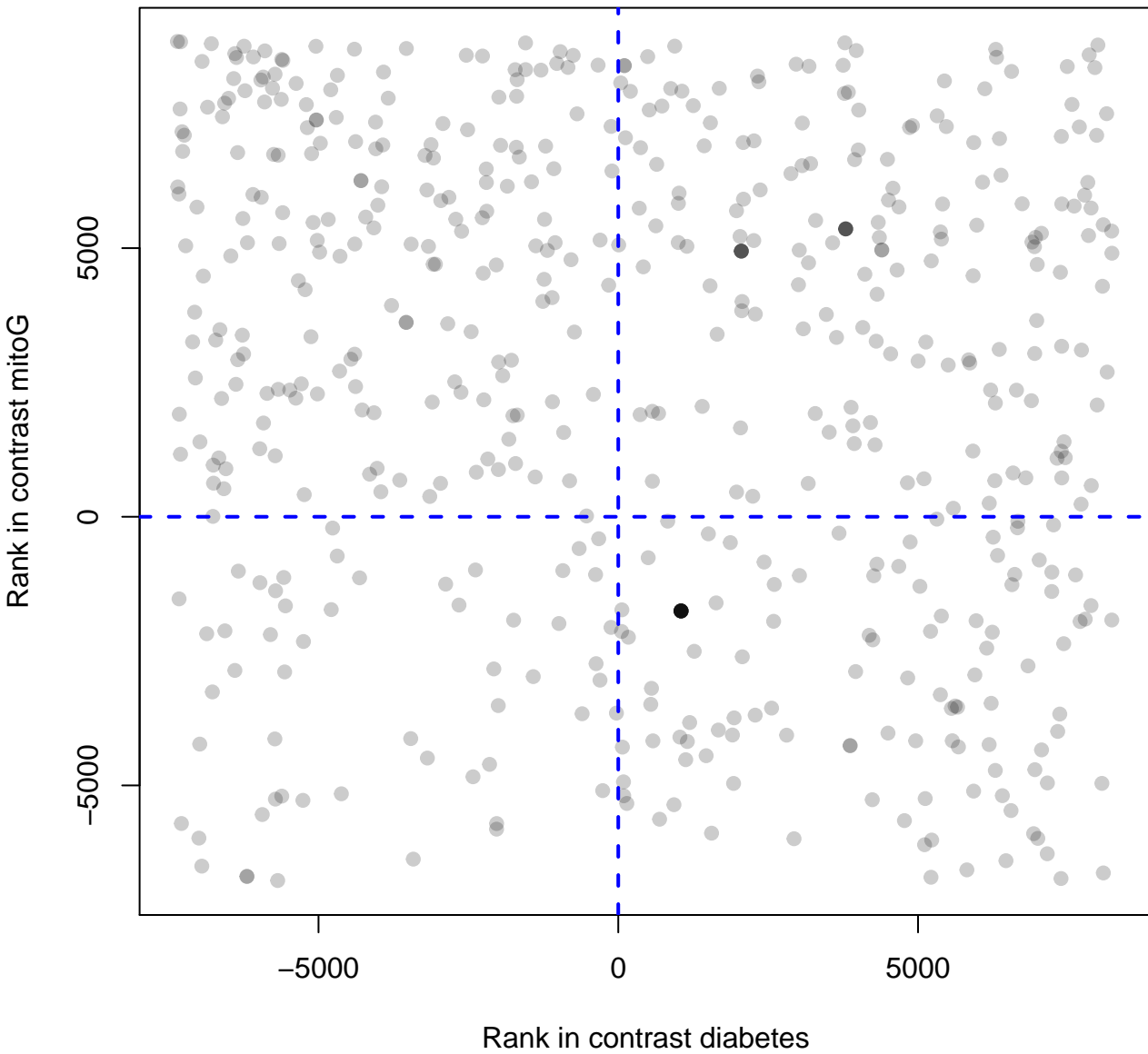


# Hemostasis

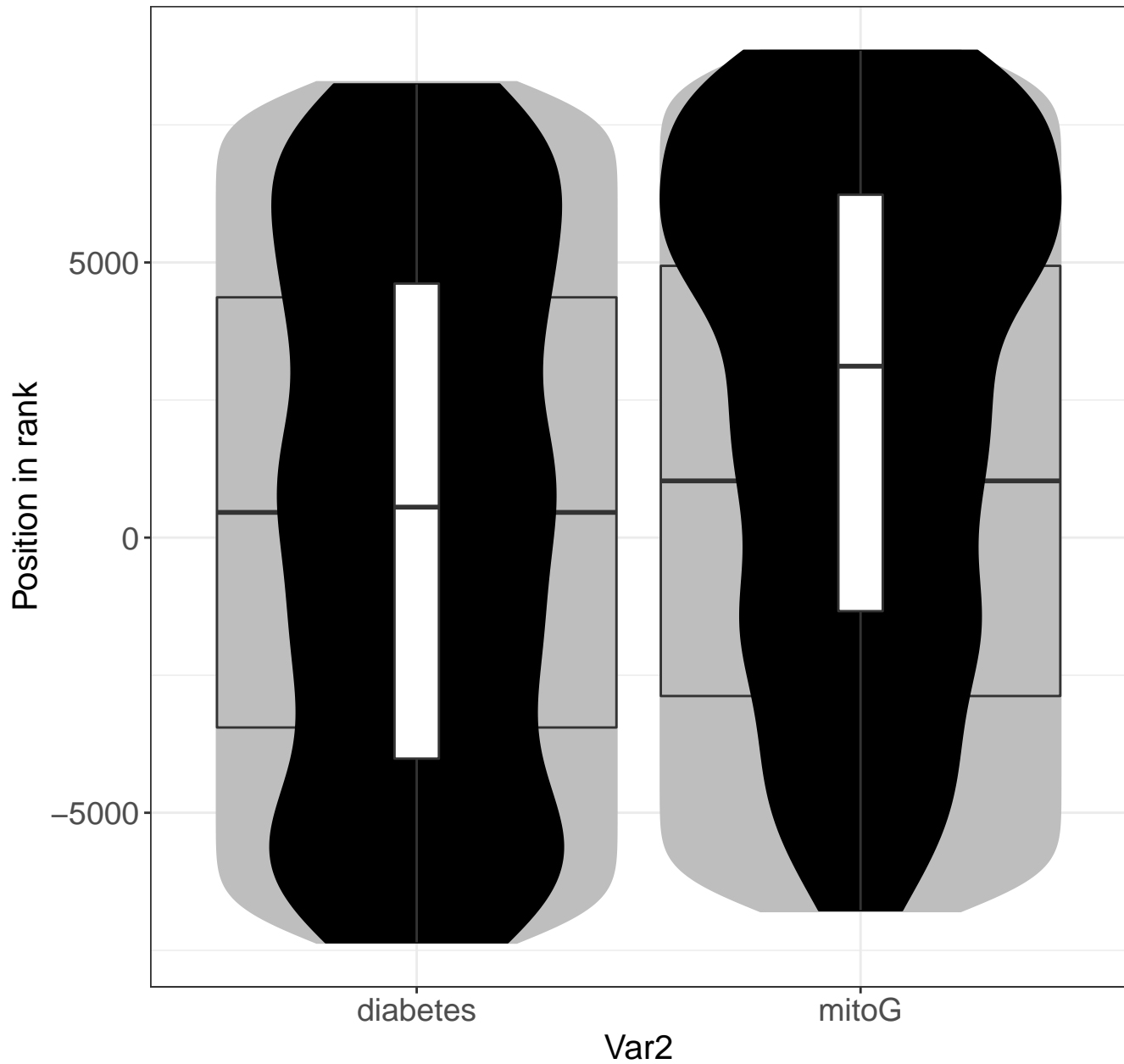




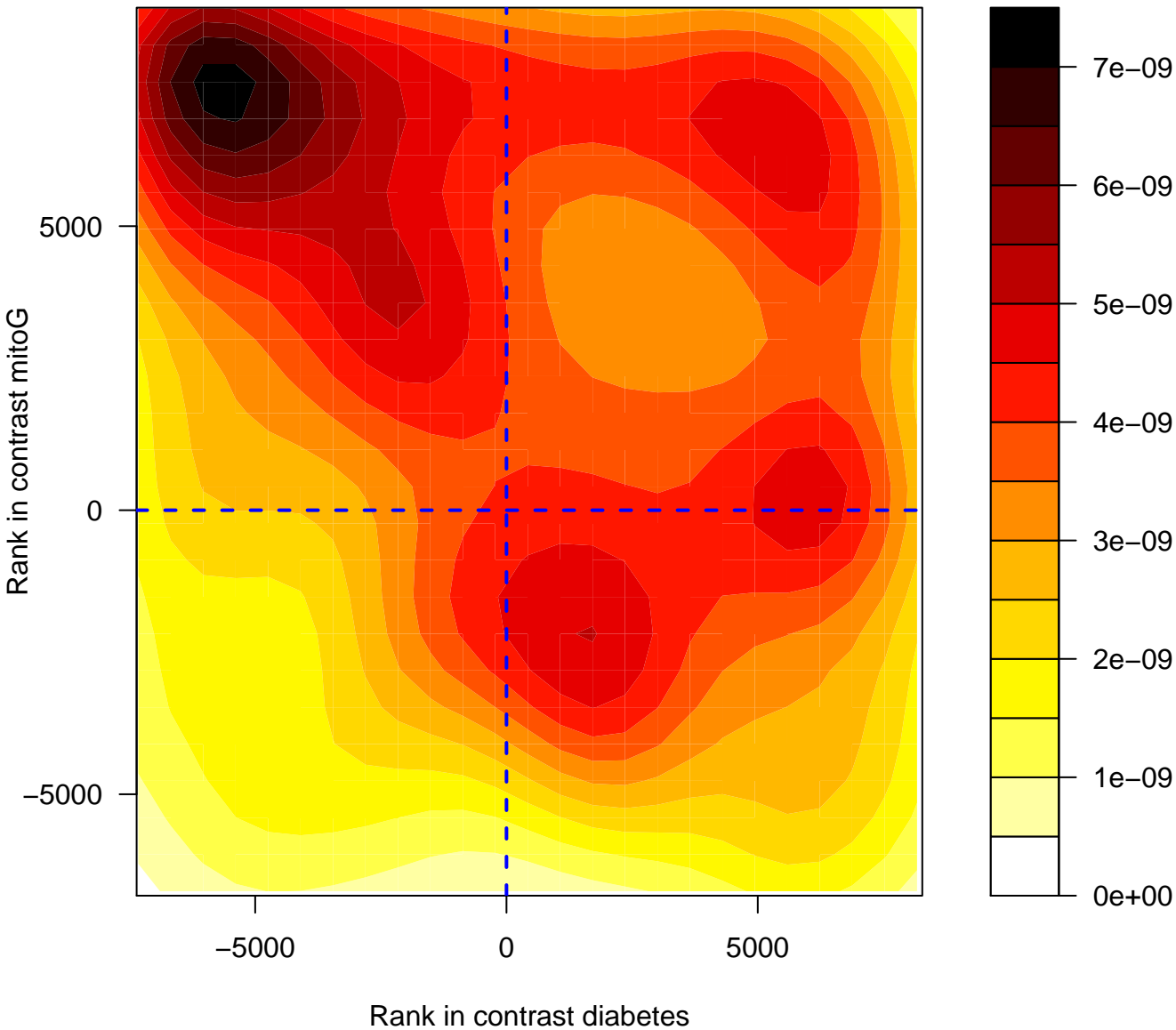
# Hemostasis



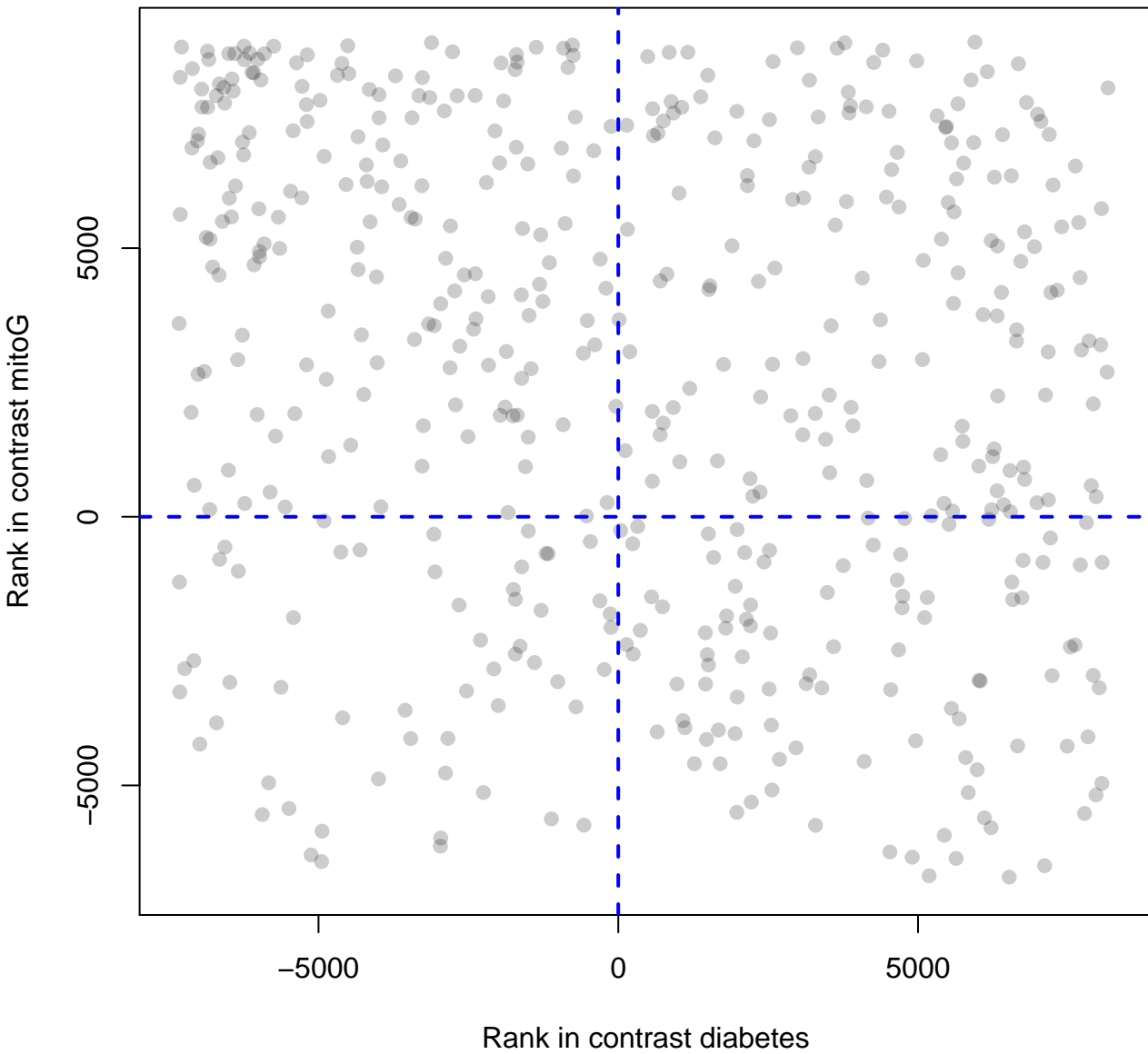
# Hemostasis



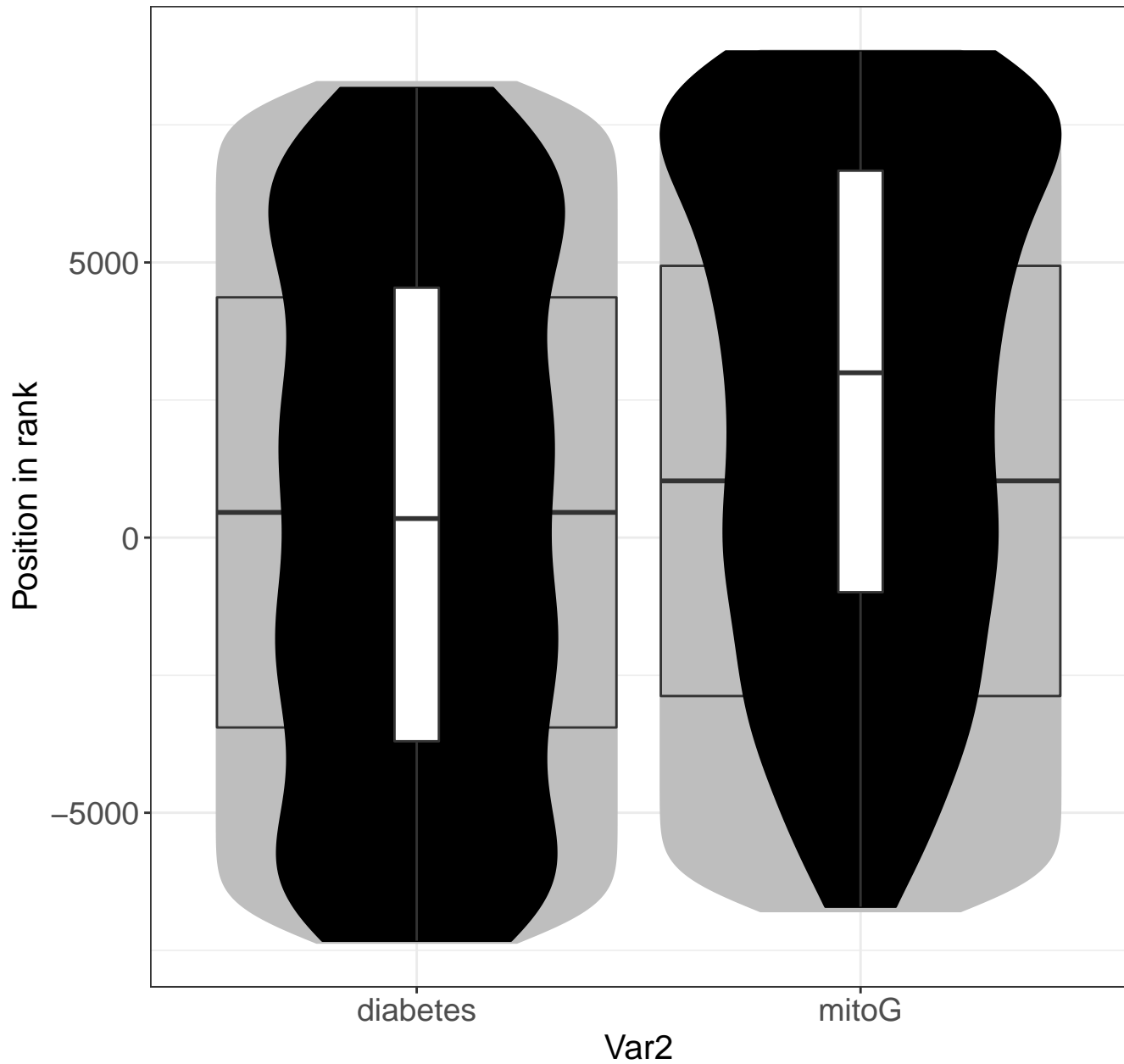
# Nervous system development



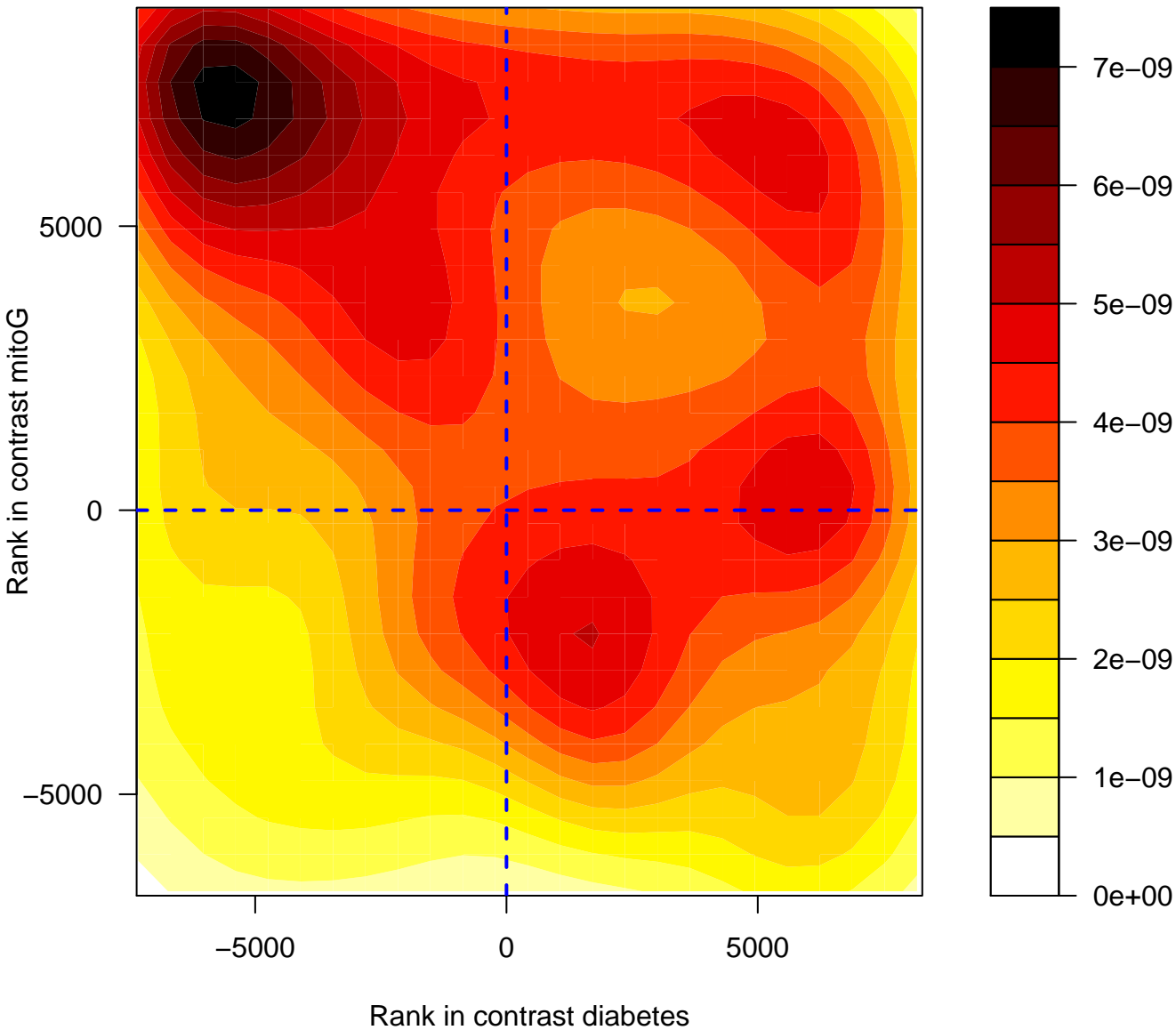
# Nervous system development



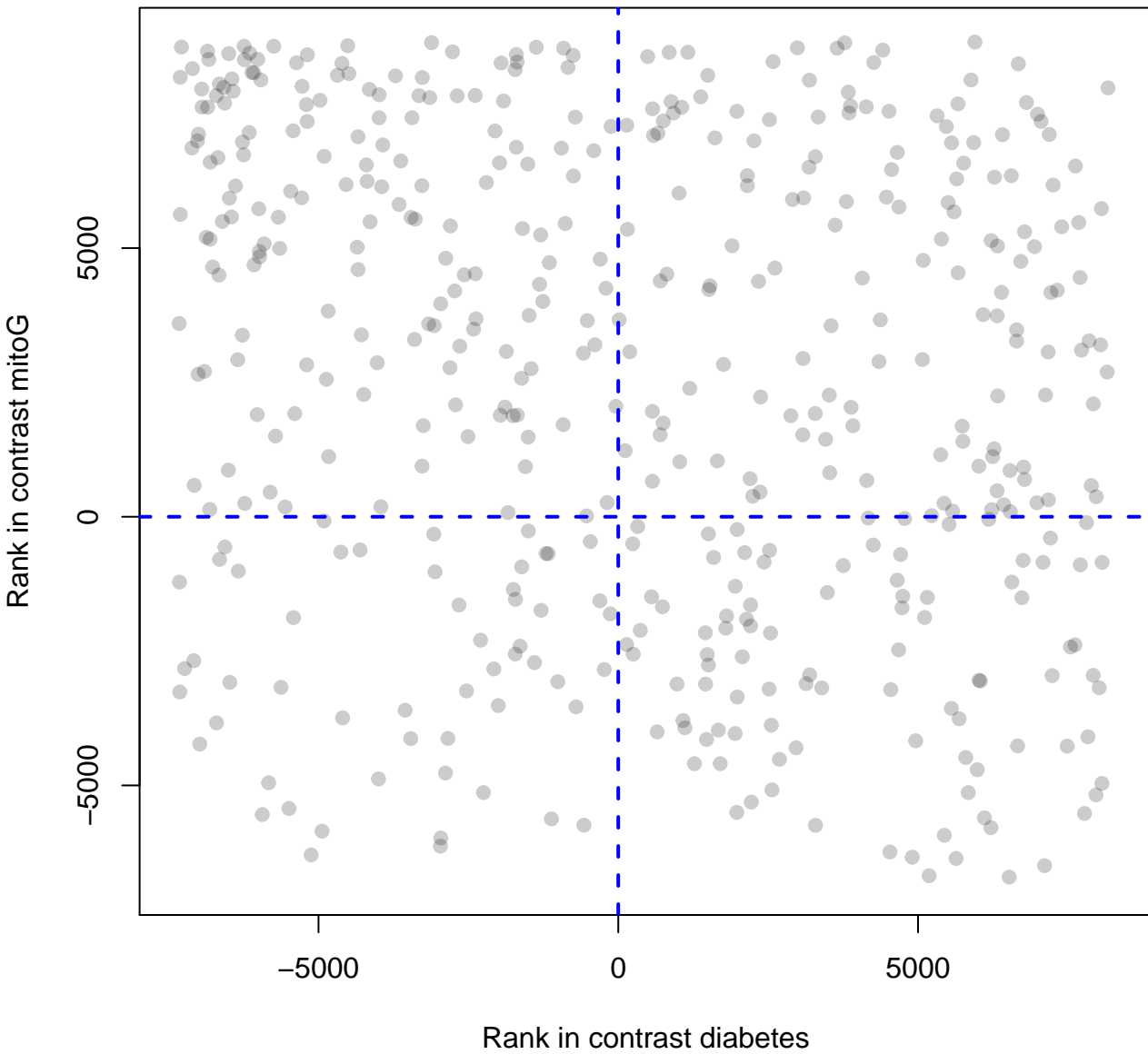
# Nervous system development



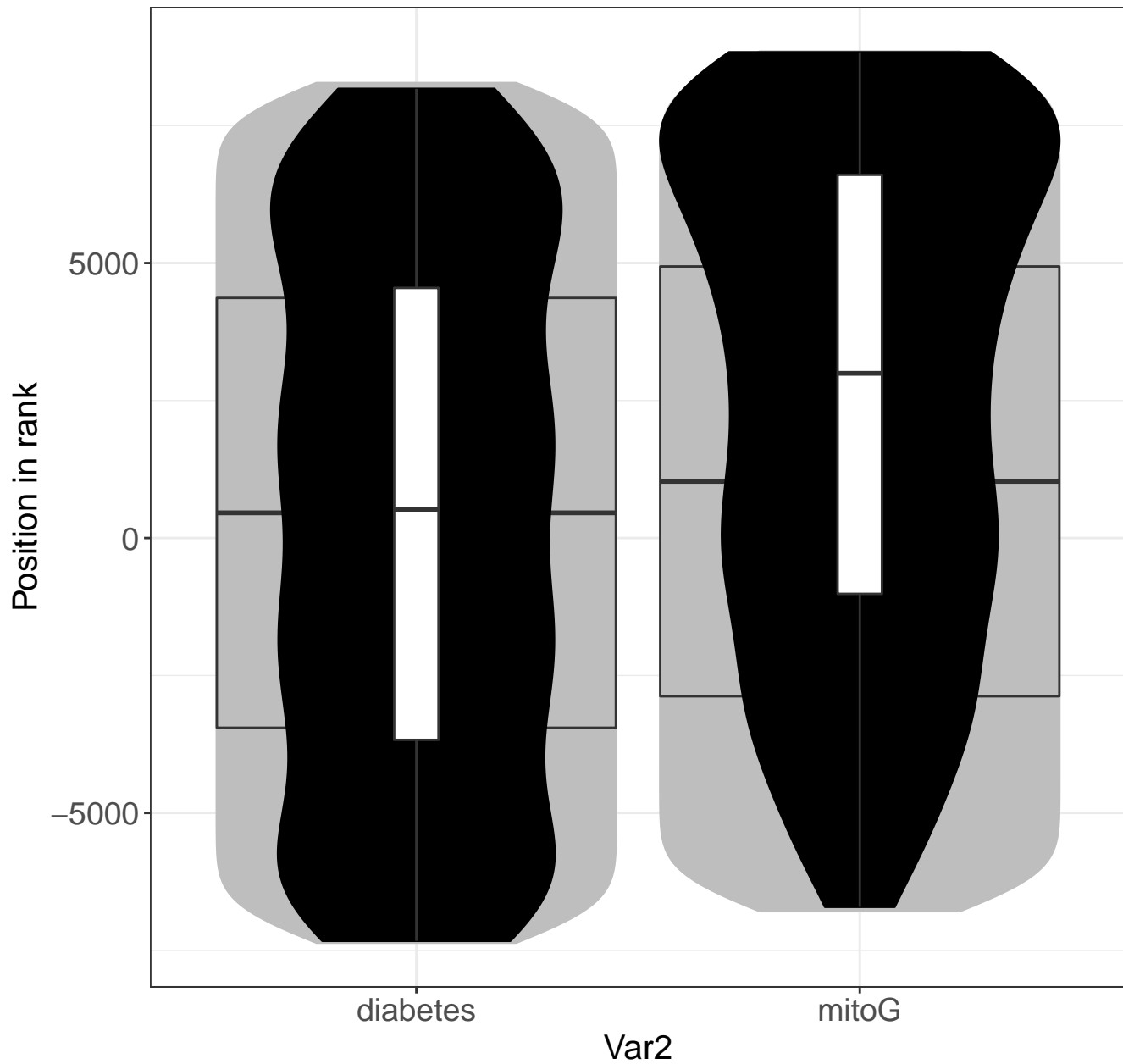
# Axon guidance



# Axon guidance

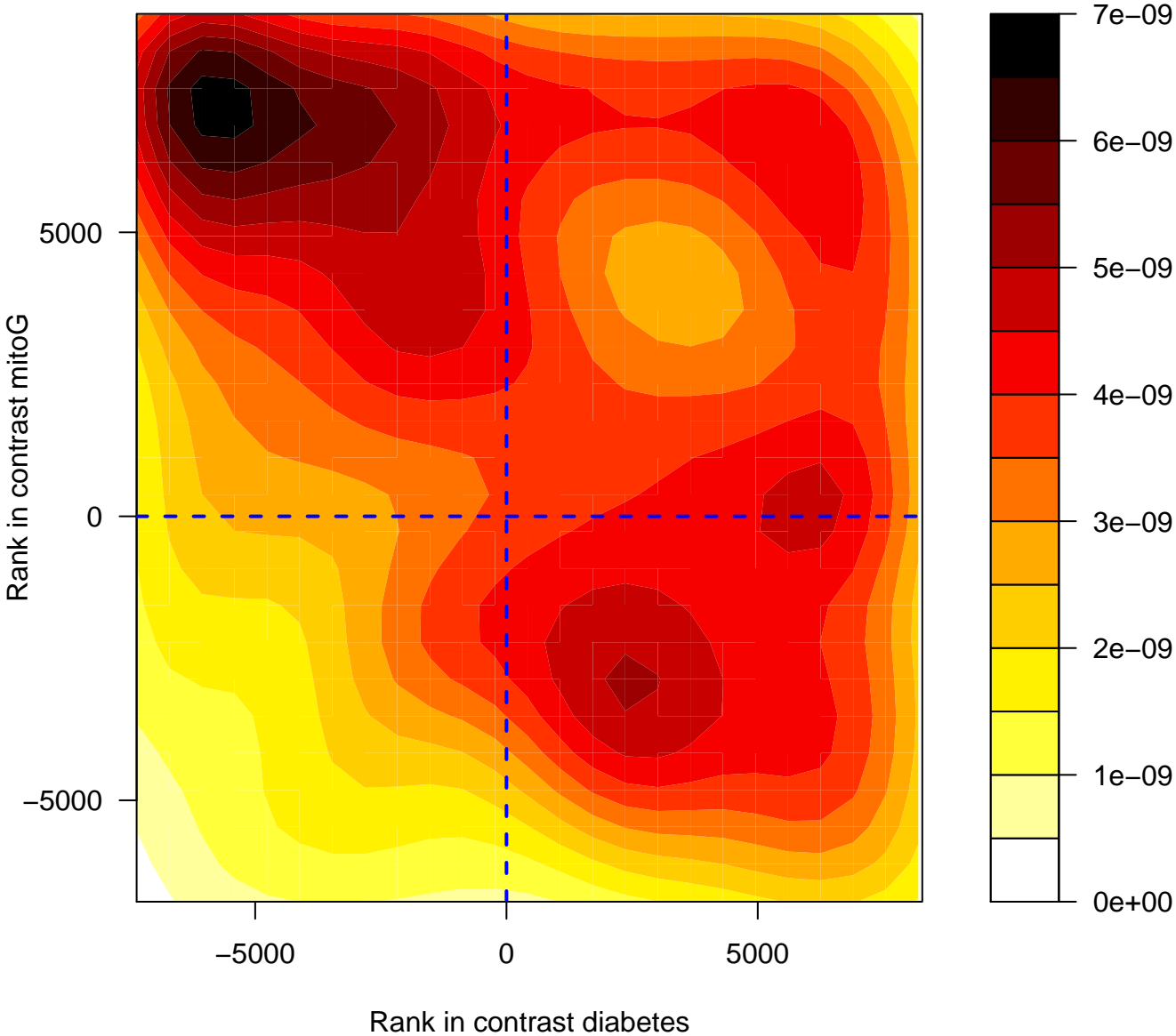


# Axon guidance

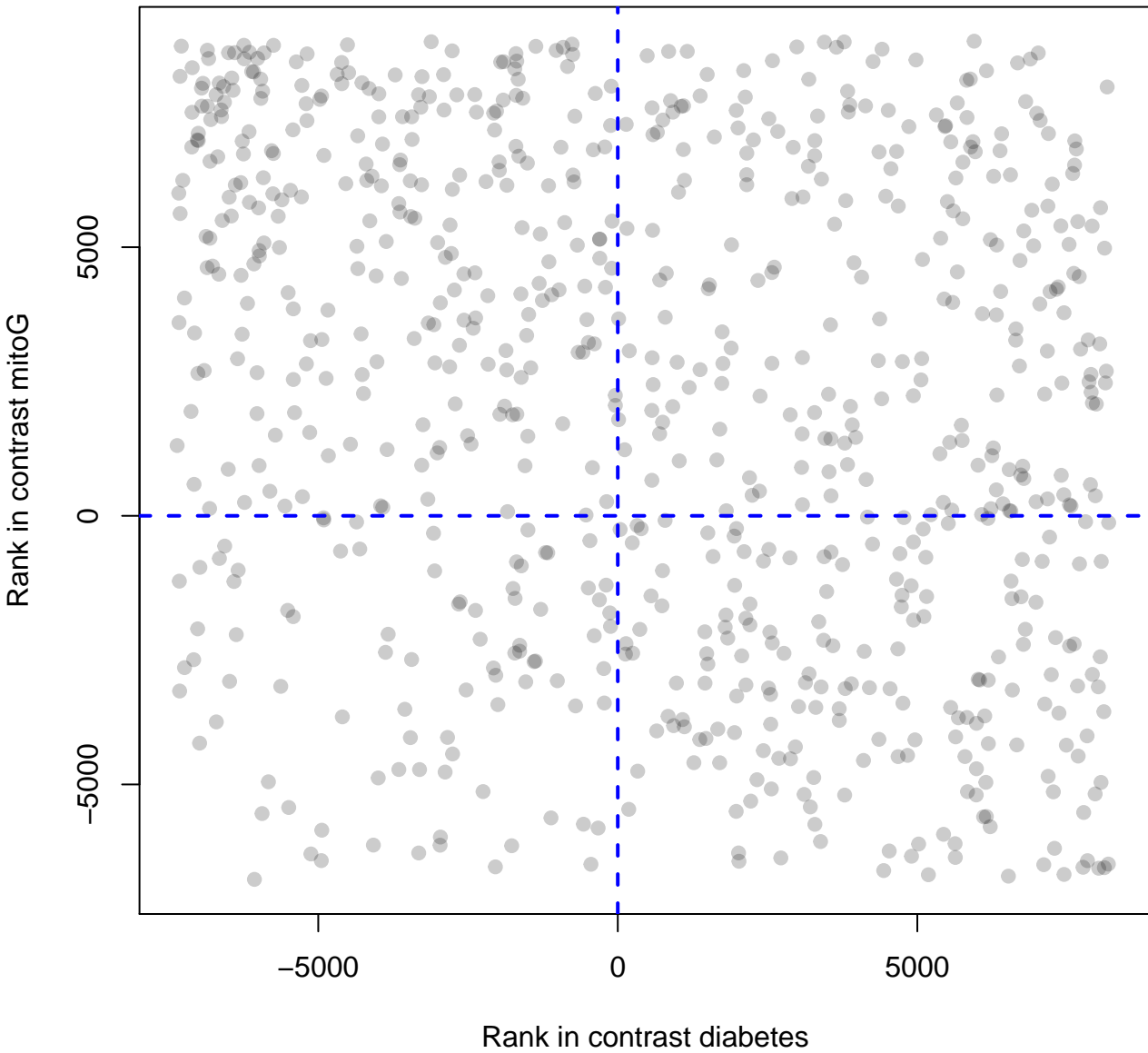




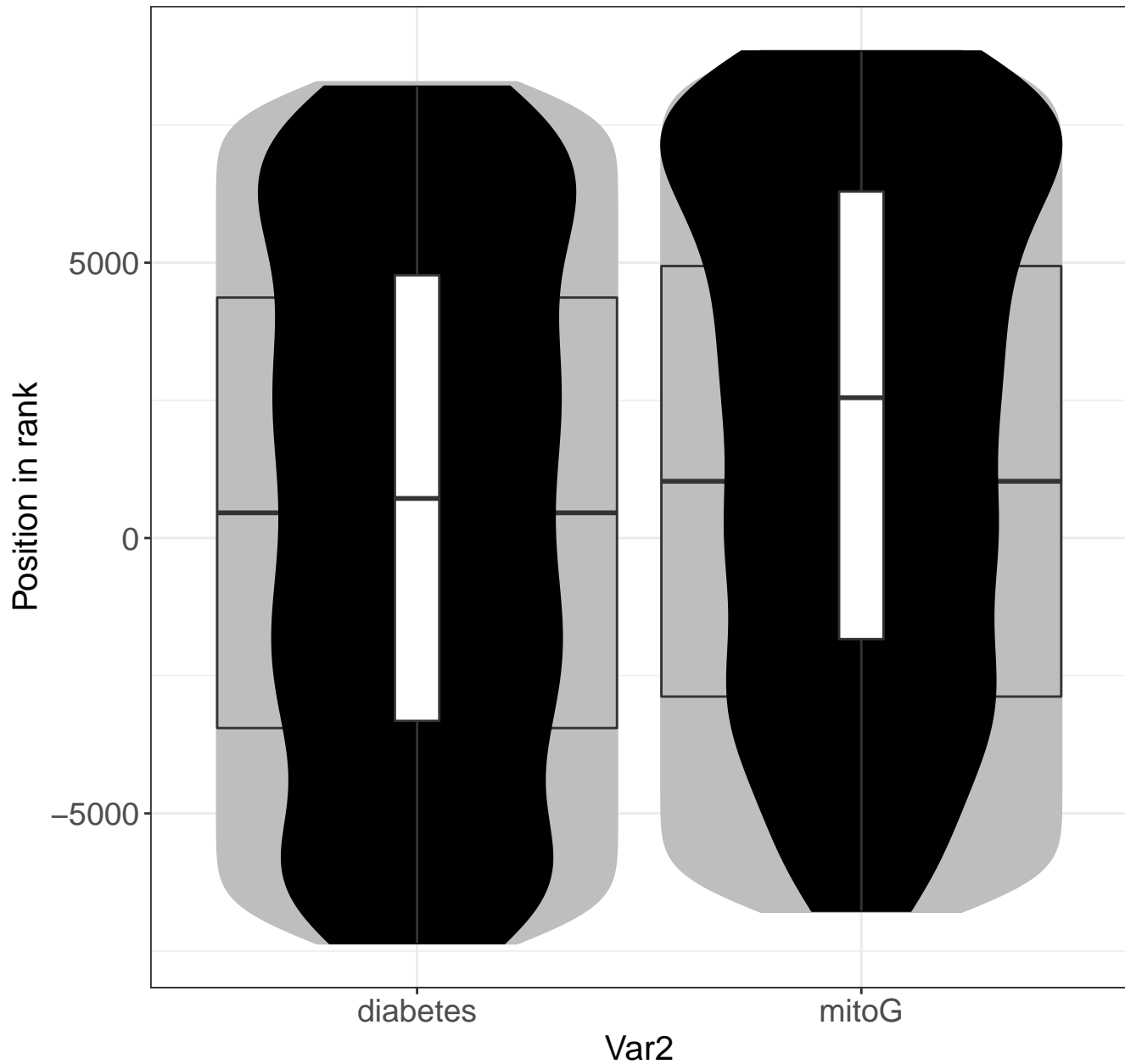
# Developmental Biology



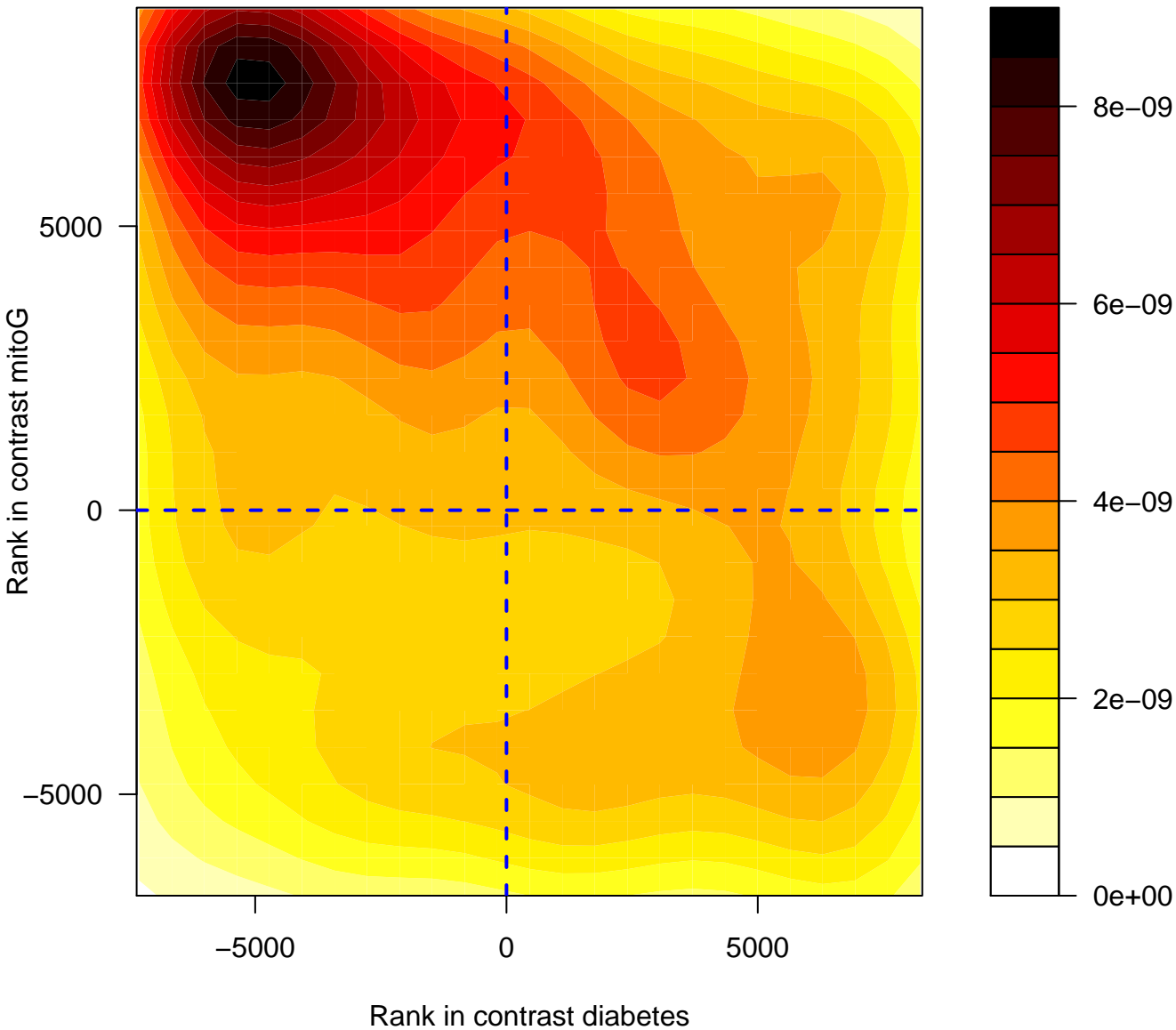
# Developmental Biology



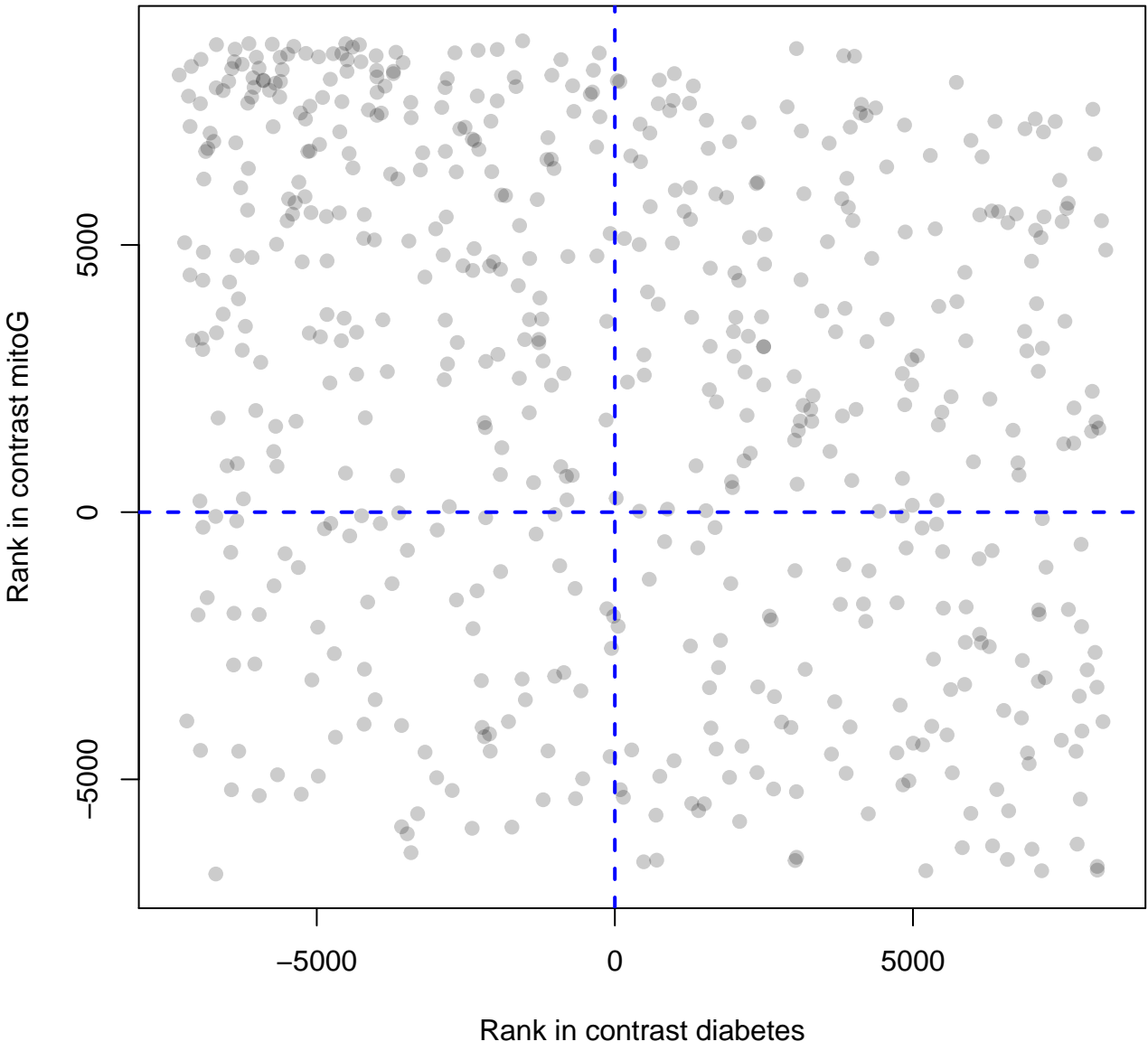
# Developmental Biology



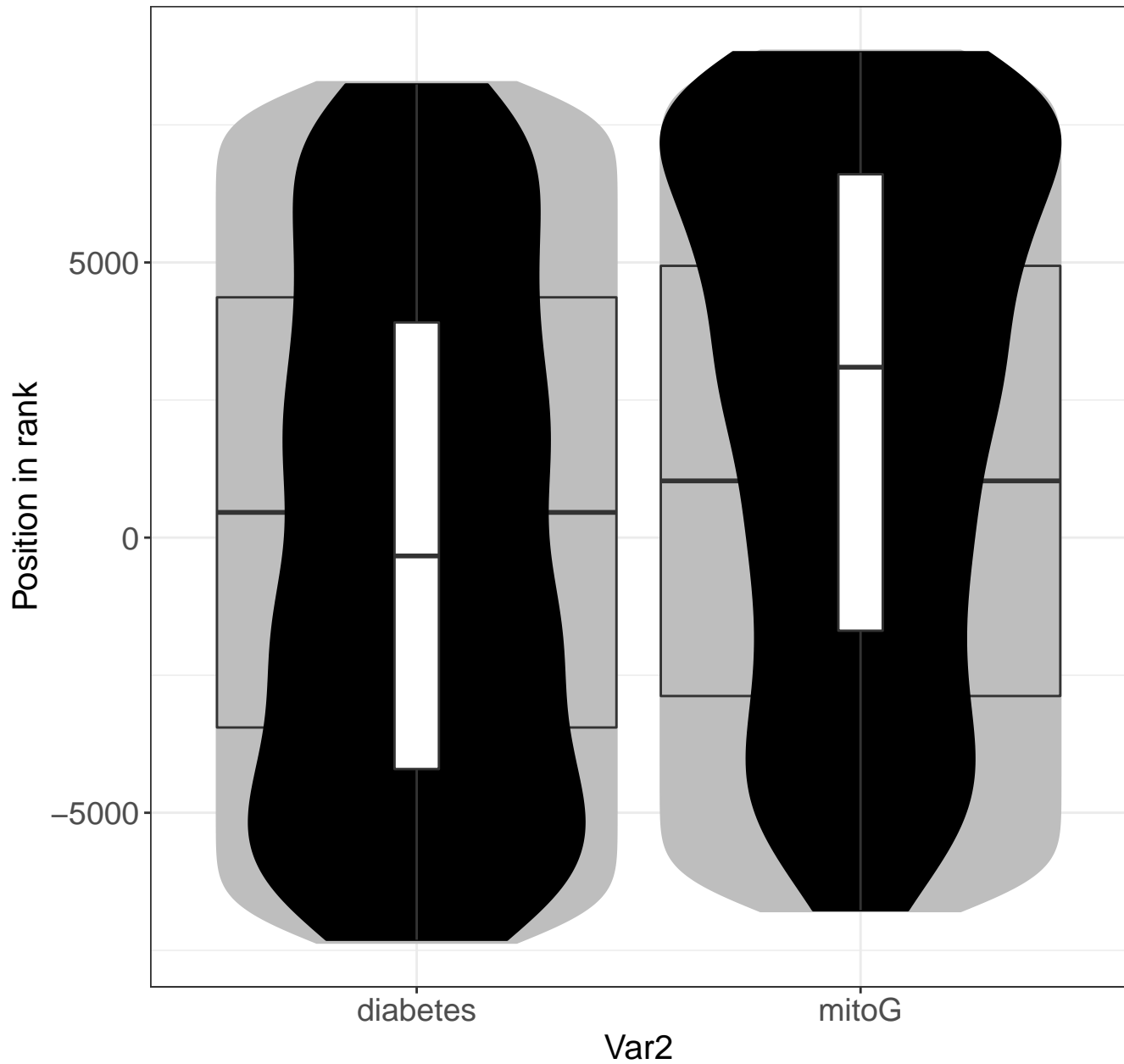
# Membrane Trafficking



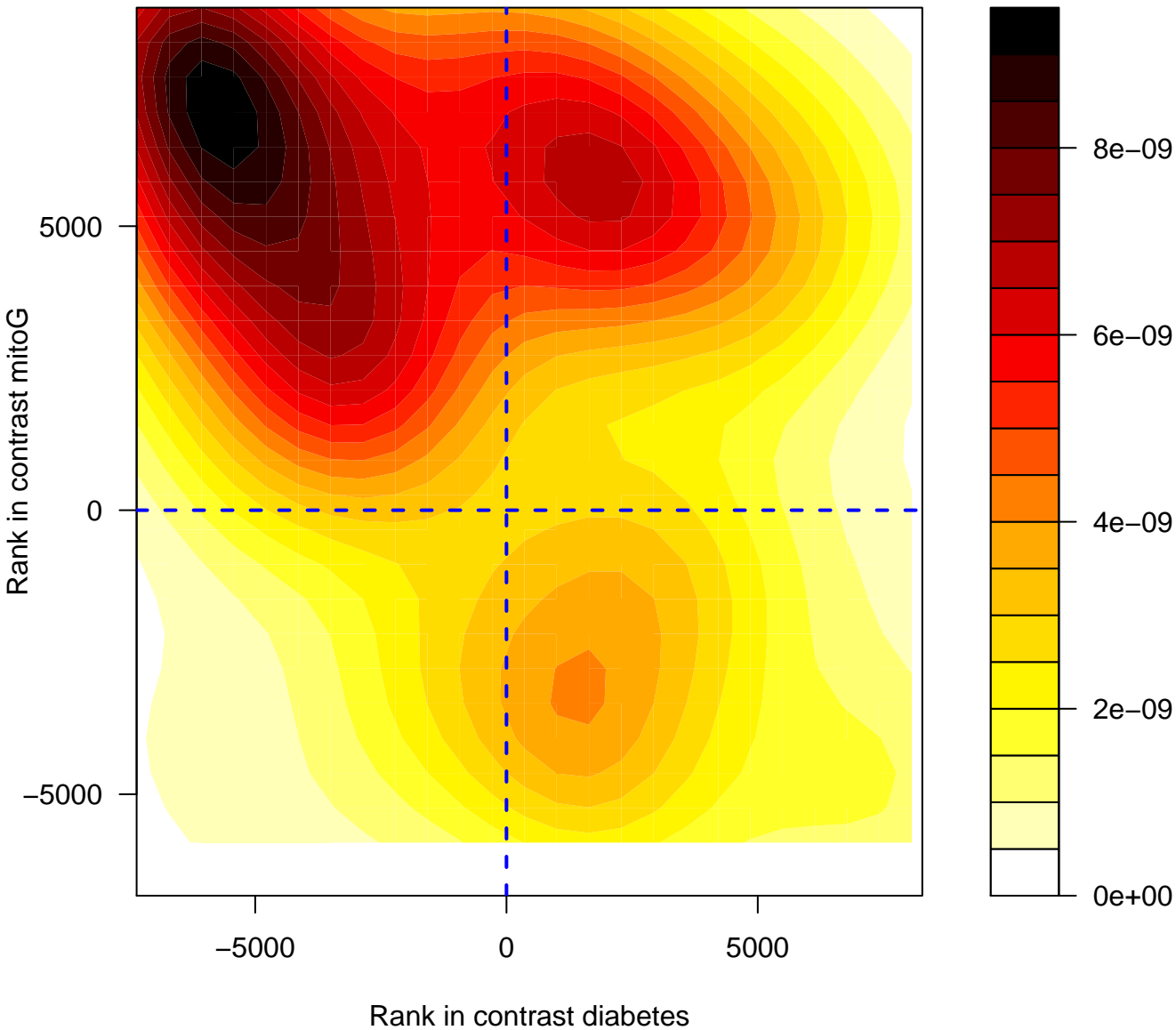
# Membrane Trafficking



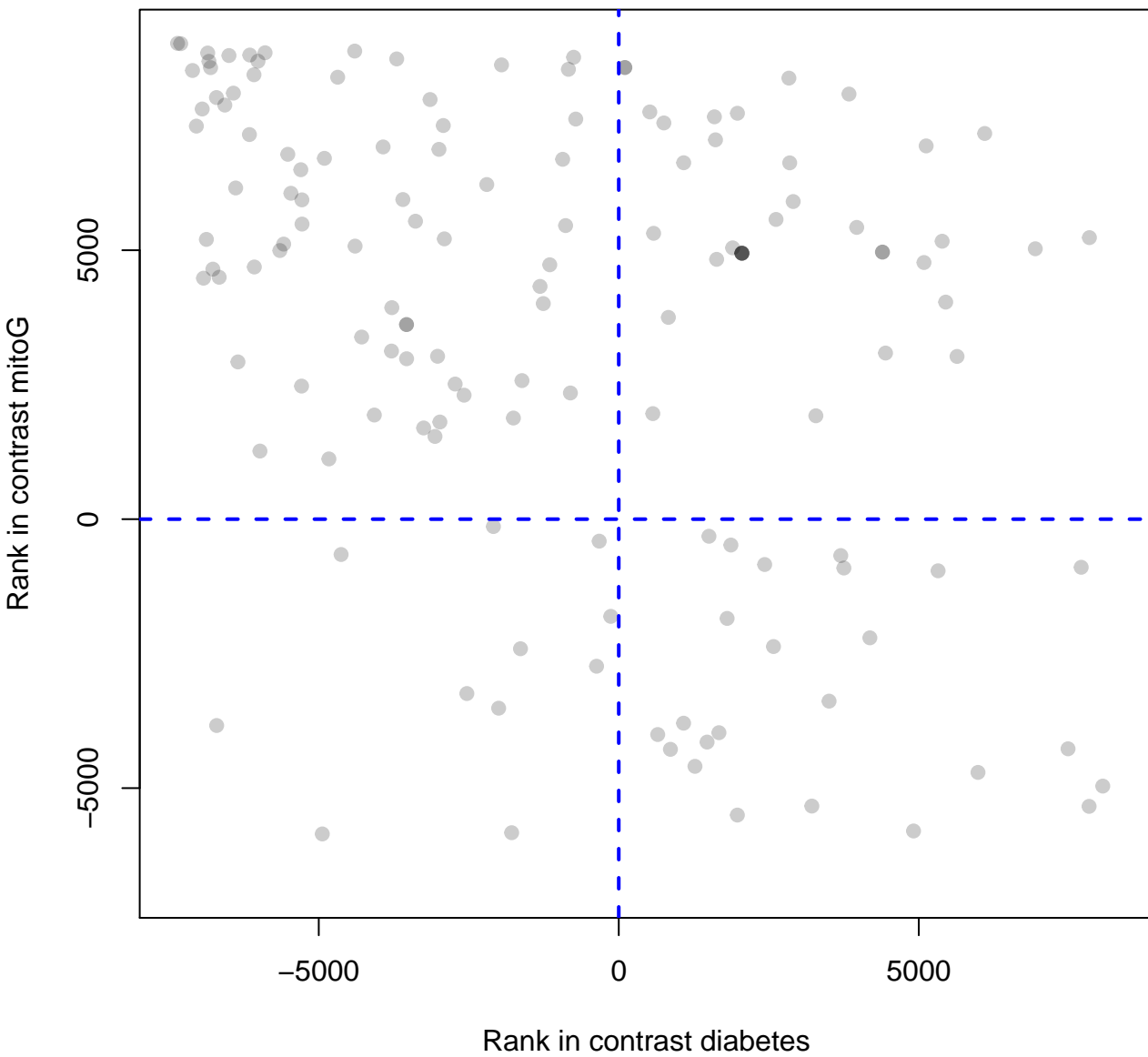
# Membrane Trafficking



# Fc epsilon receptor (FCER1) signaling

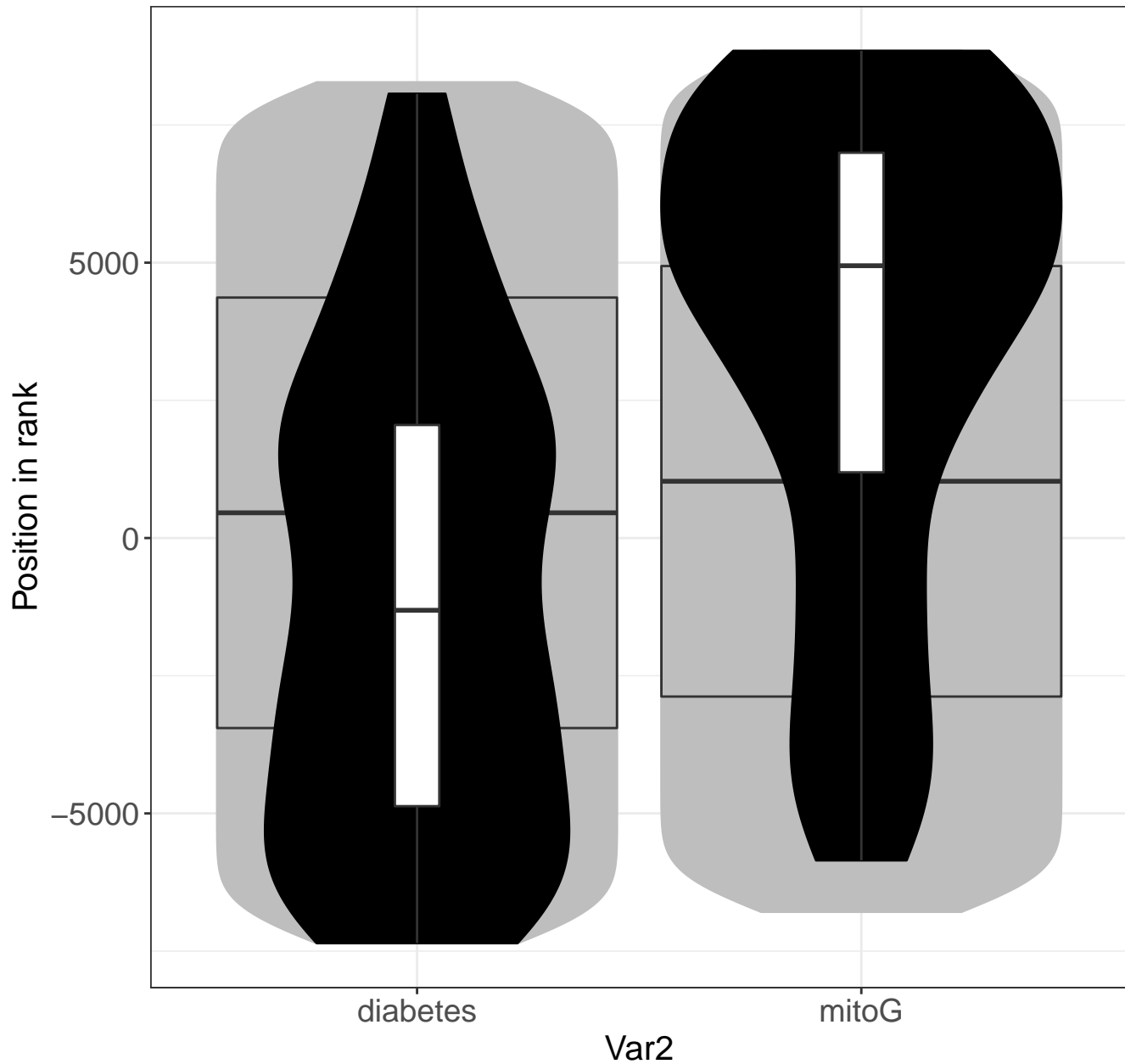


# Fc epsilon receptor (FCER1) signaling

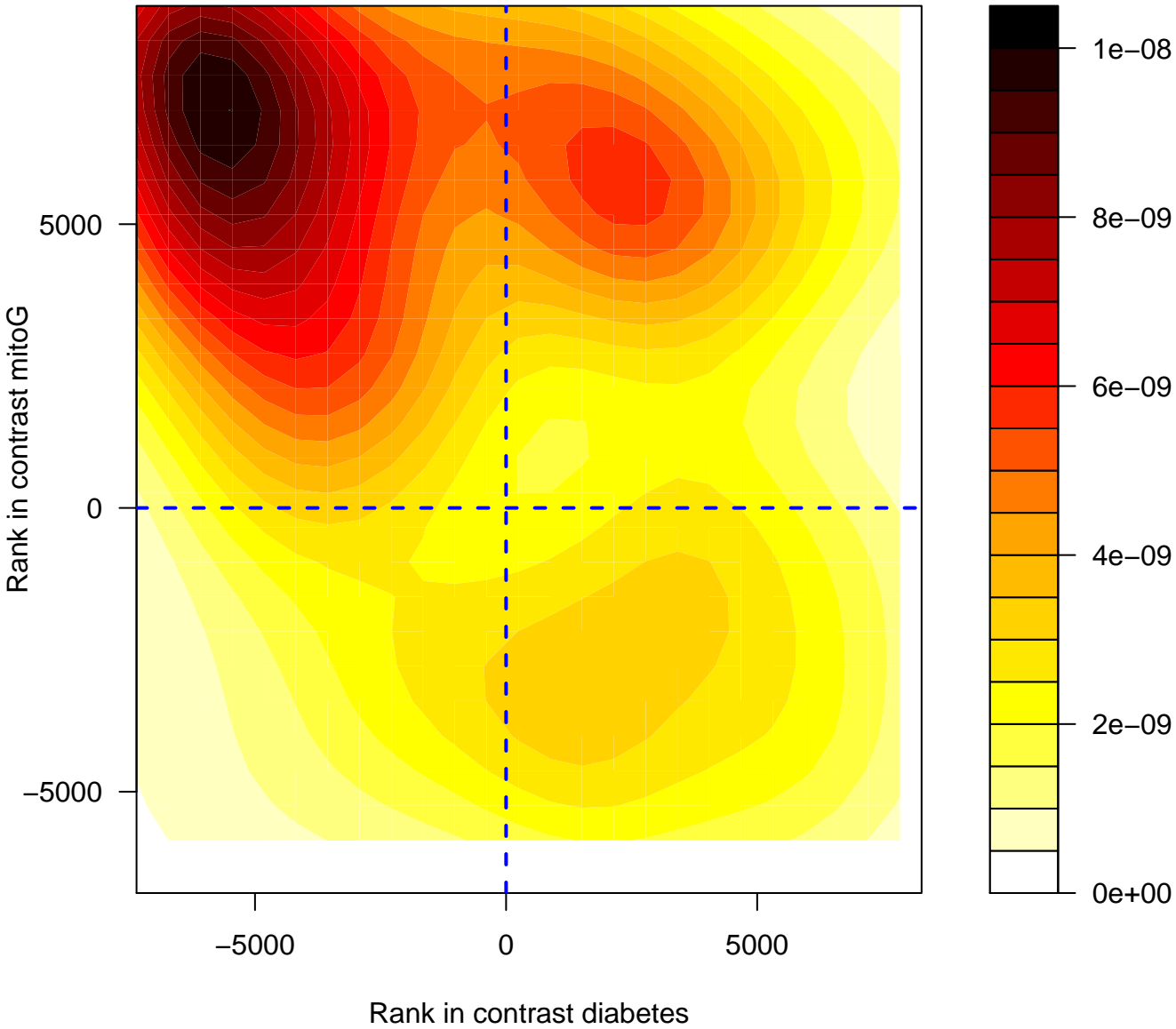




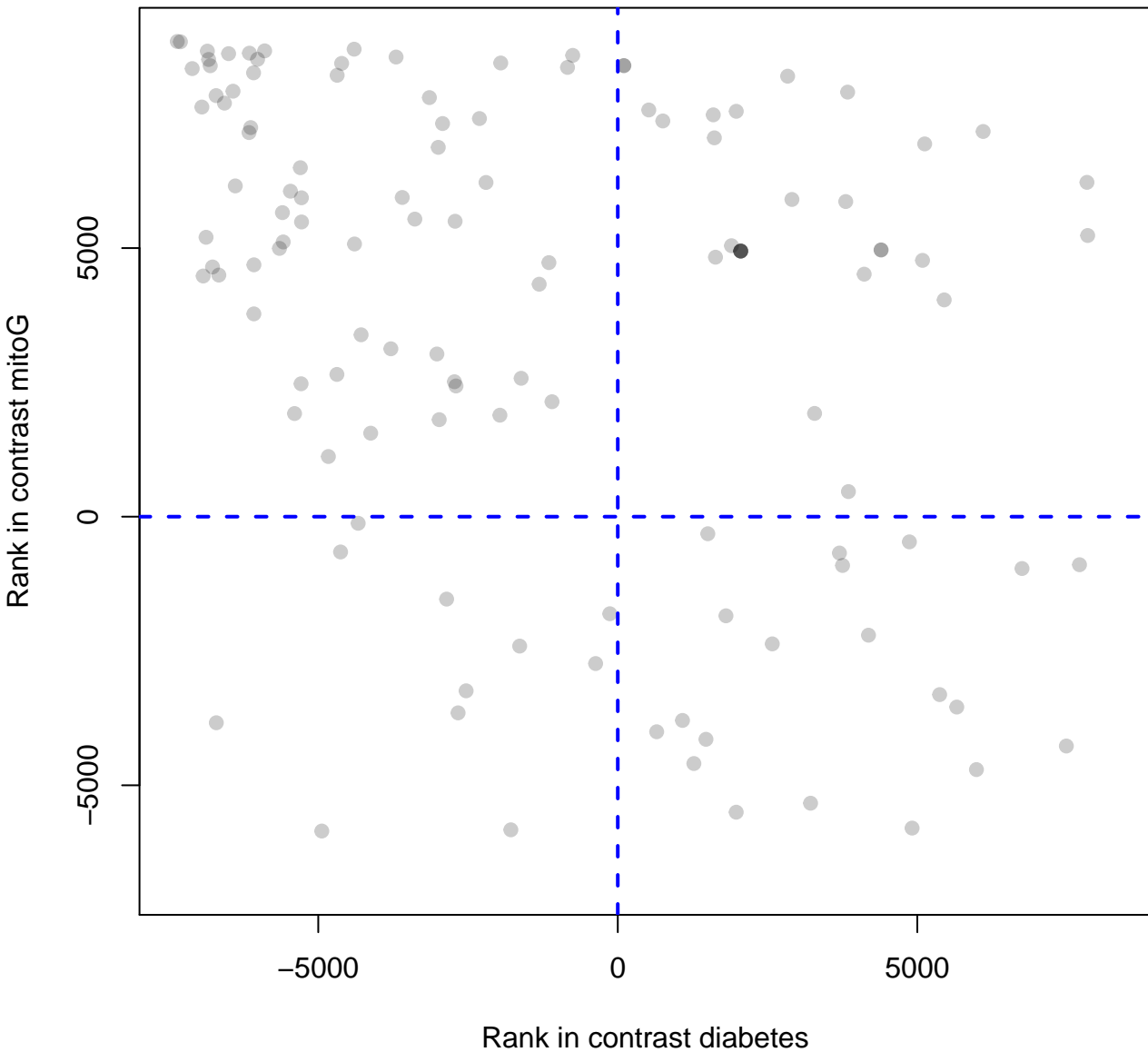
# Fc epsilon receptor (FCER1) signaling



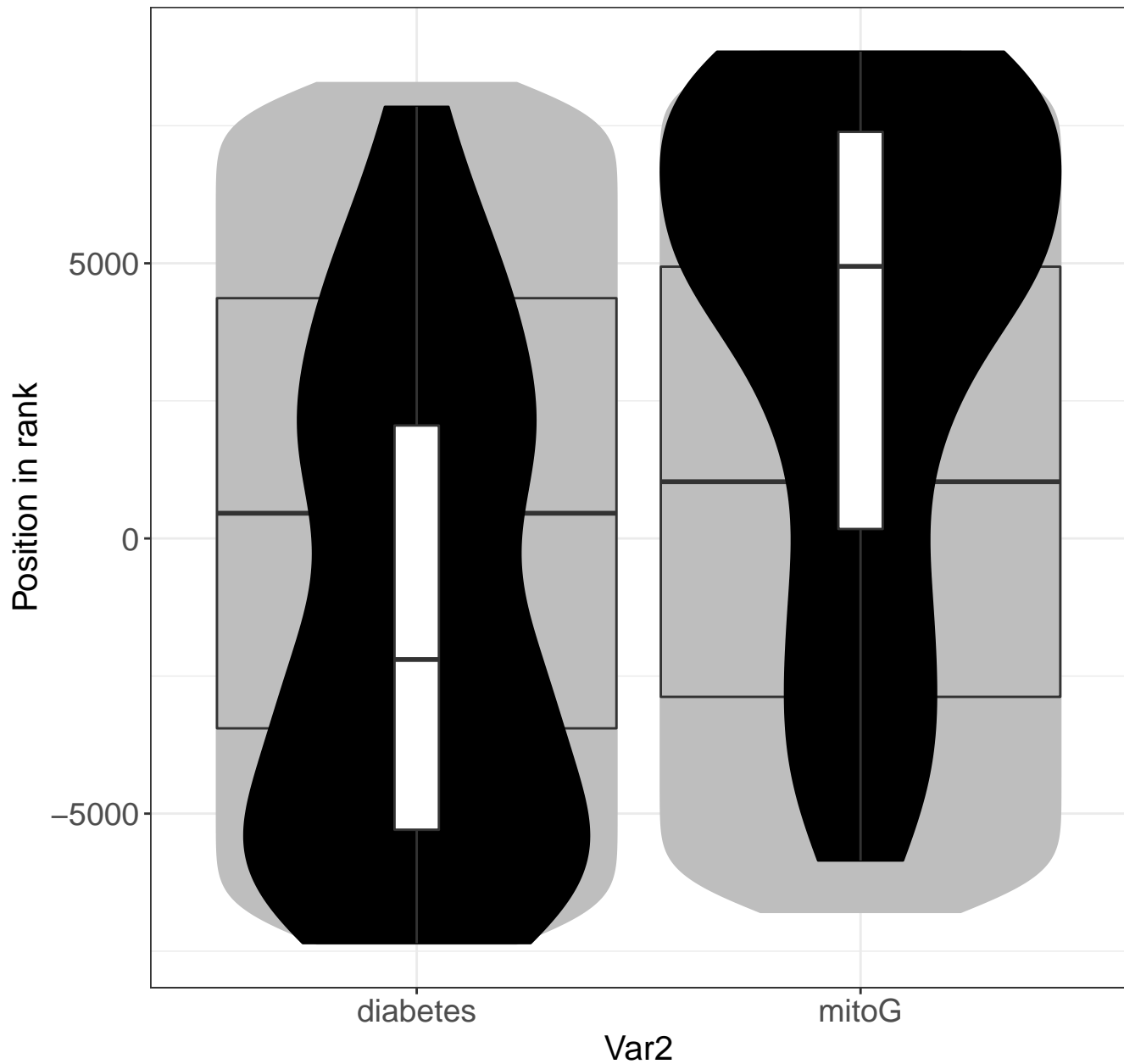
# Signaling by the B Cell Receptor (BCR)



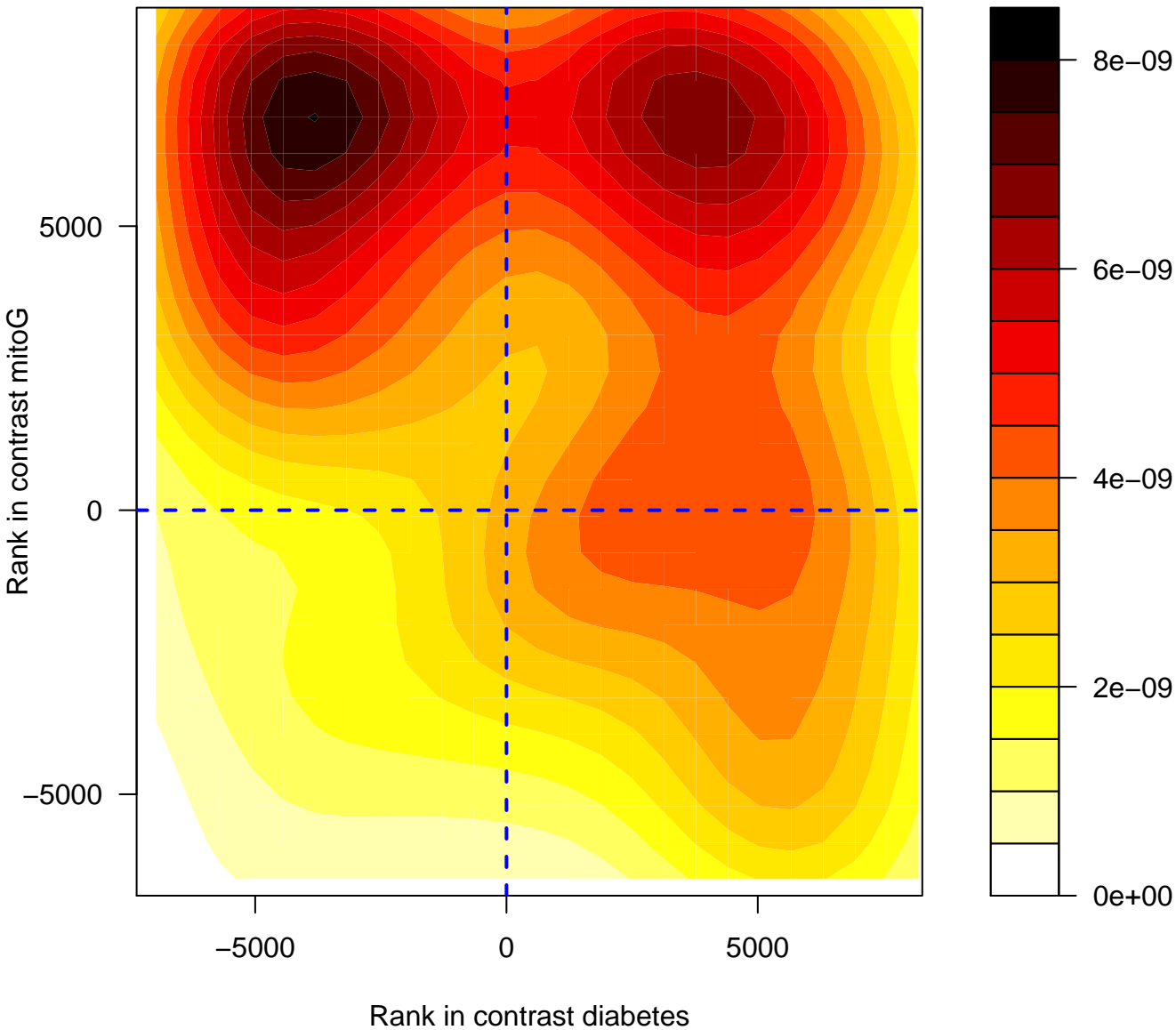
## Signaling by the B Cell Receptor (BCR)



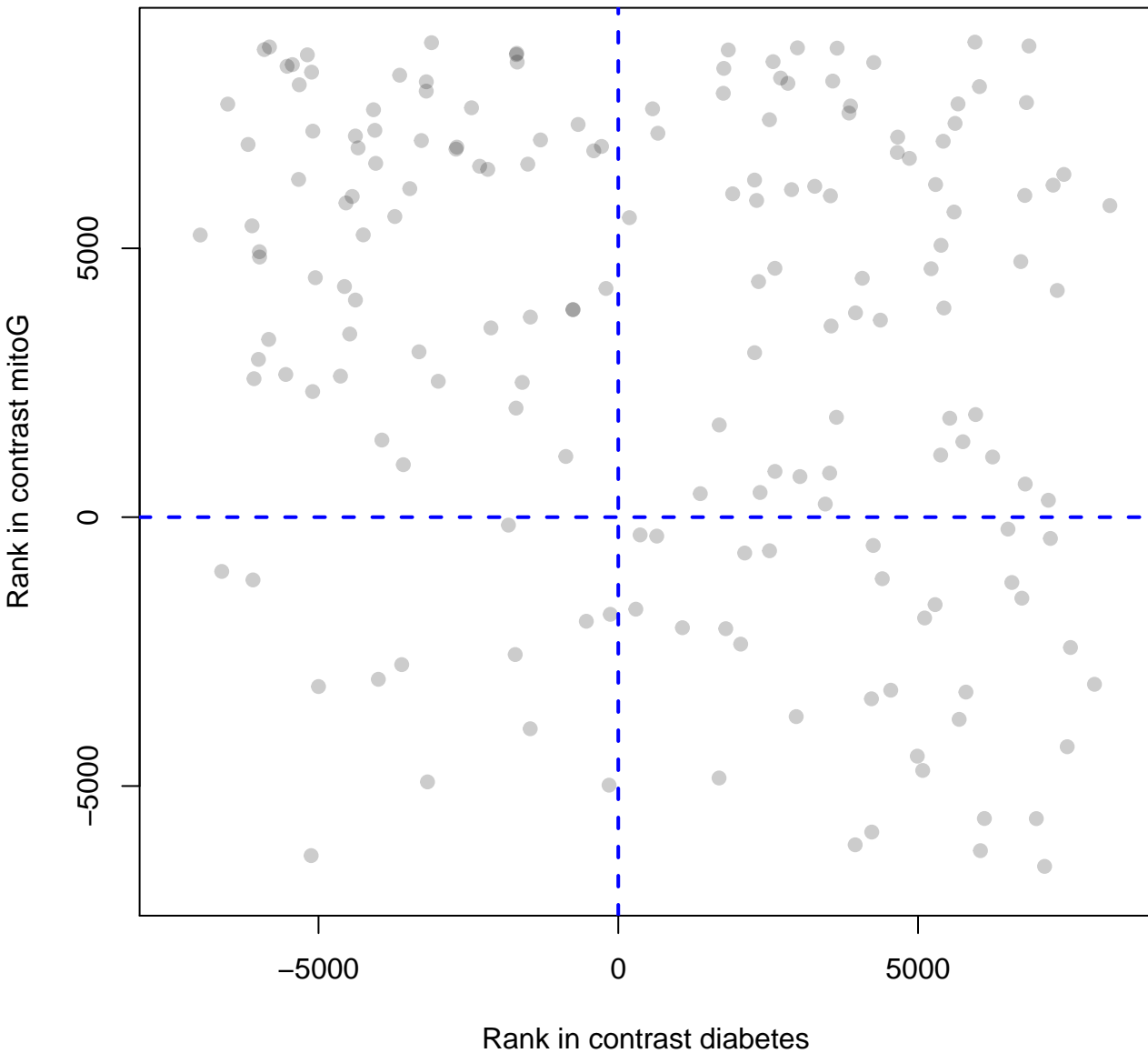
# Signaling by the B Cell Receptor (BCR)



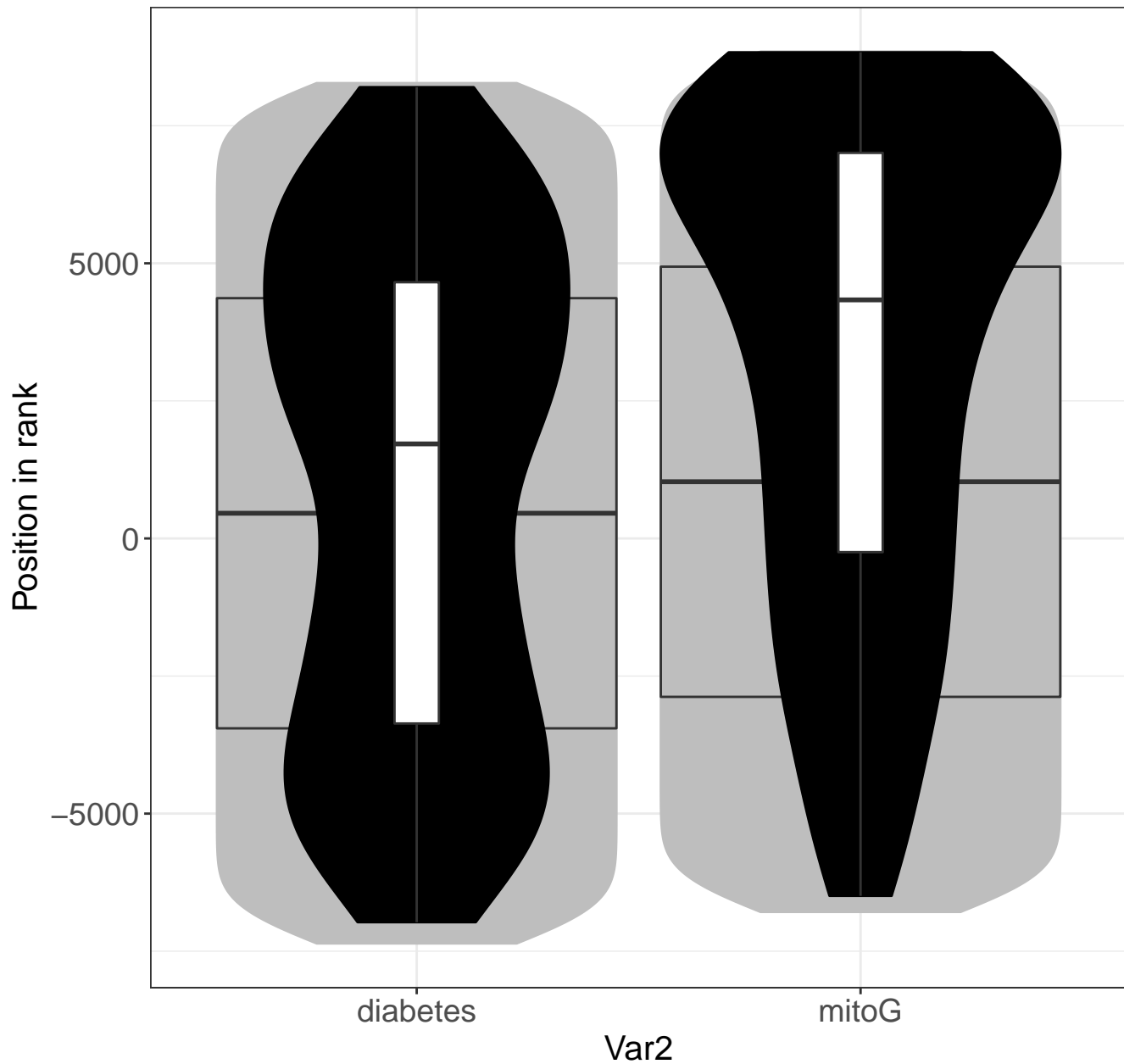
# rRNA processing



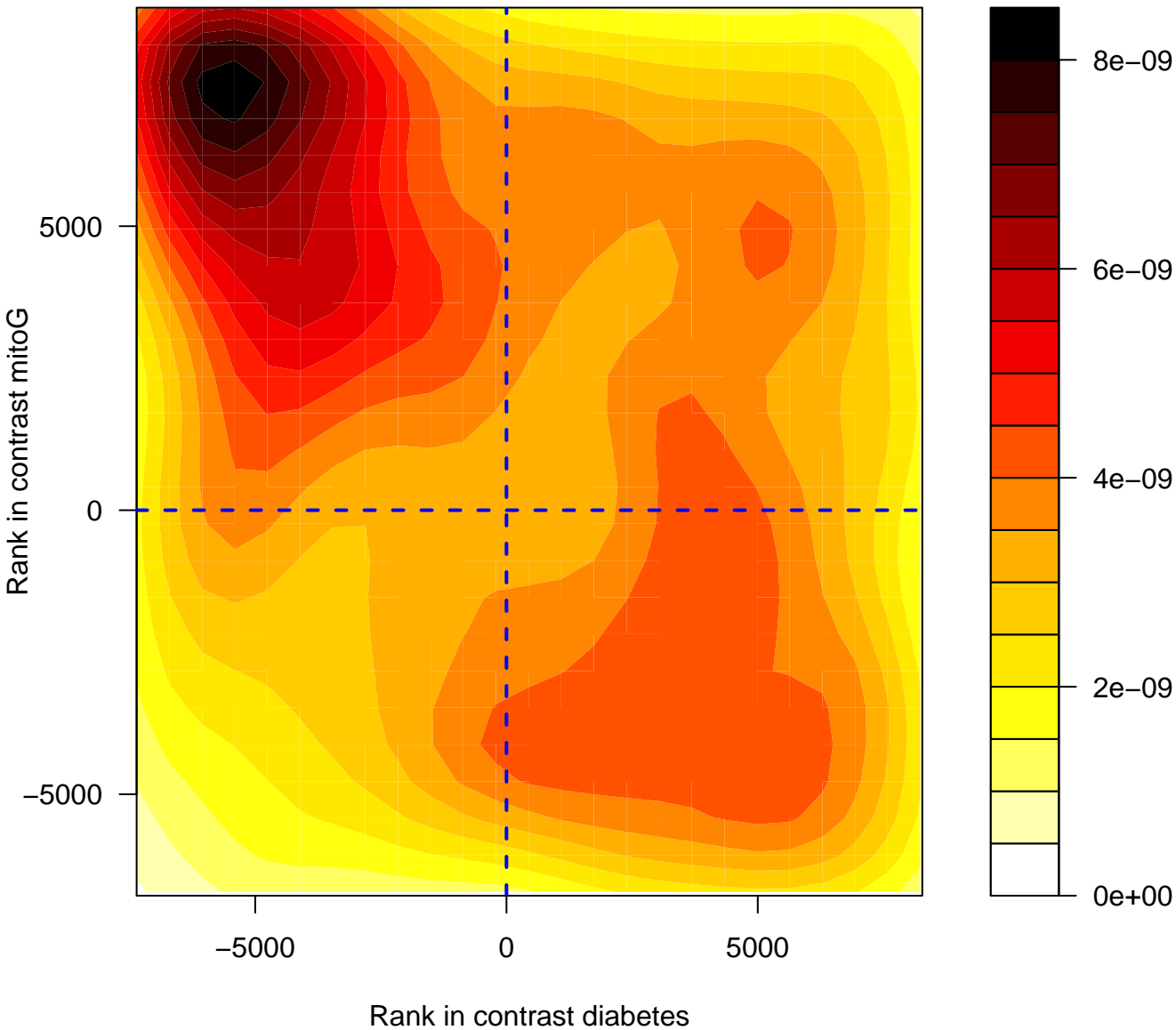
# rRNA processing



# rRNA processing

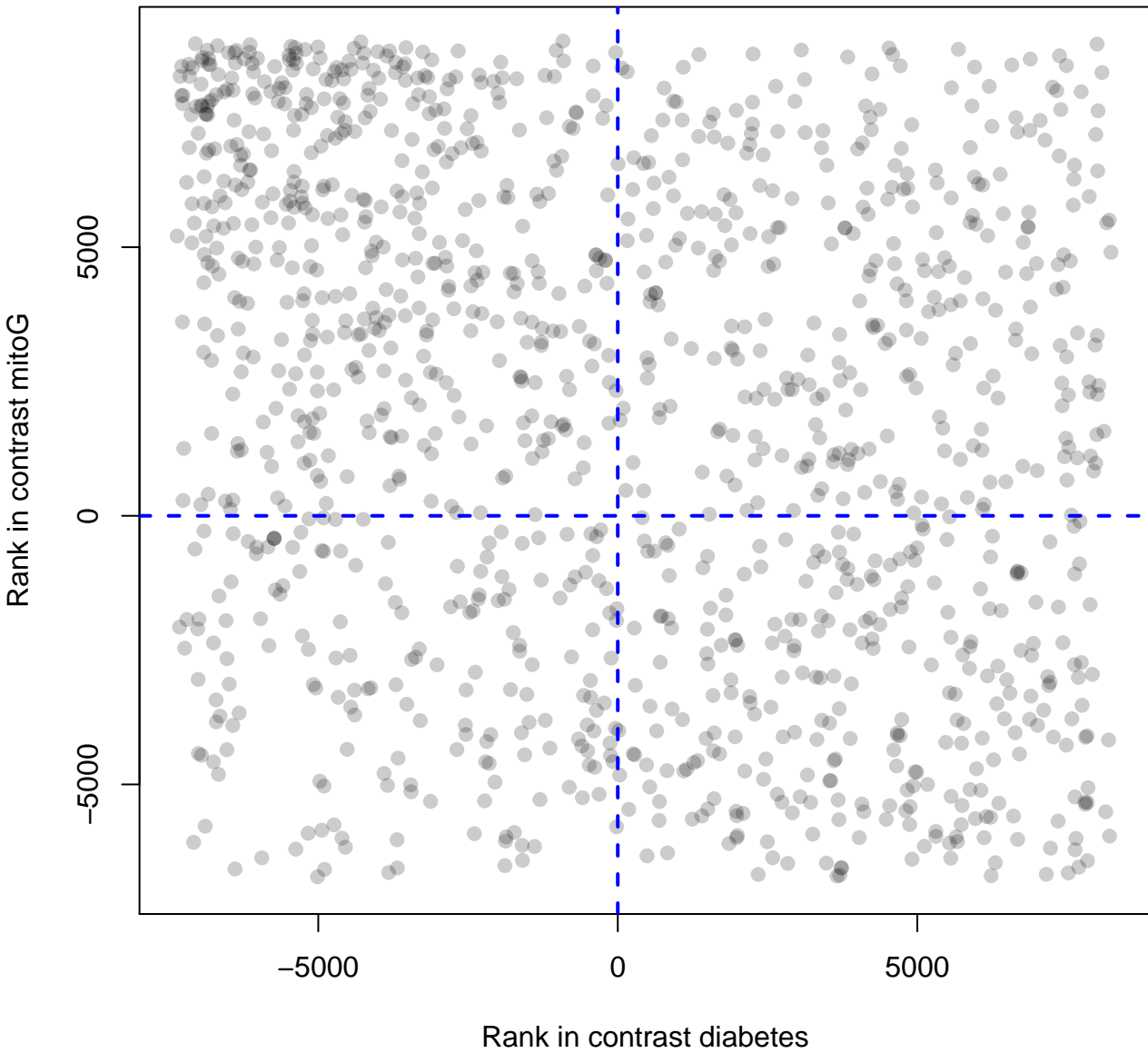


# Post-translational protein modification

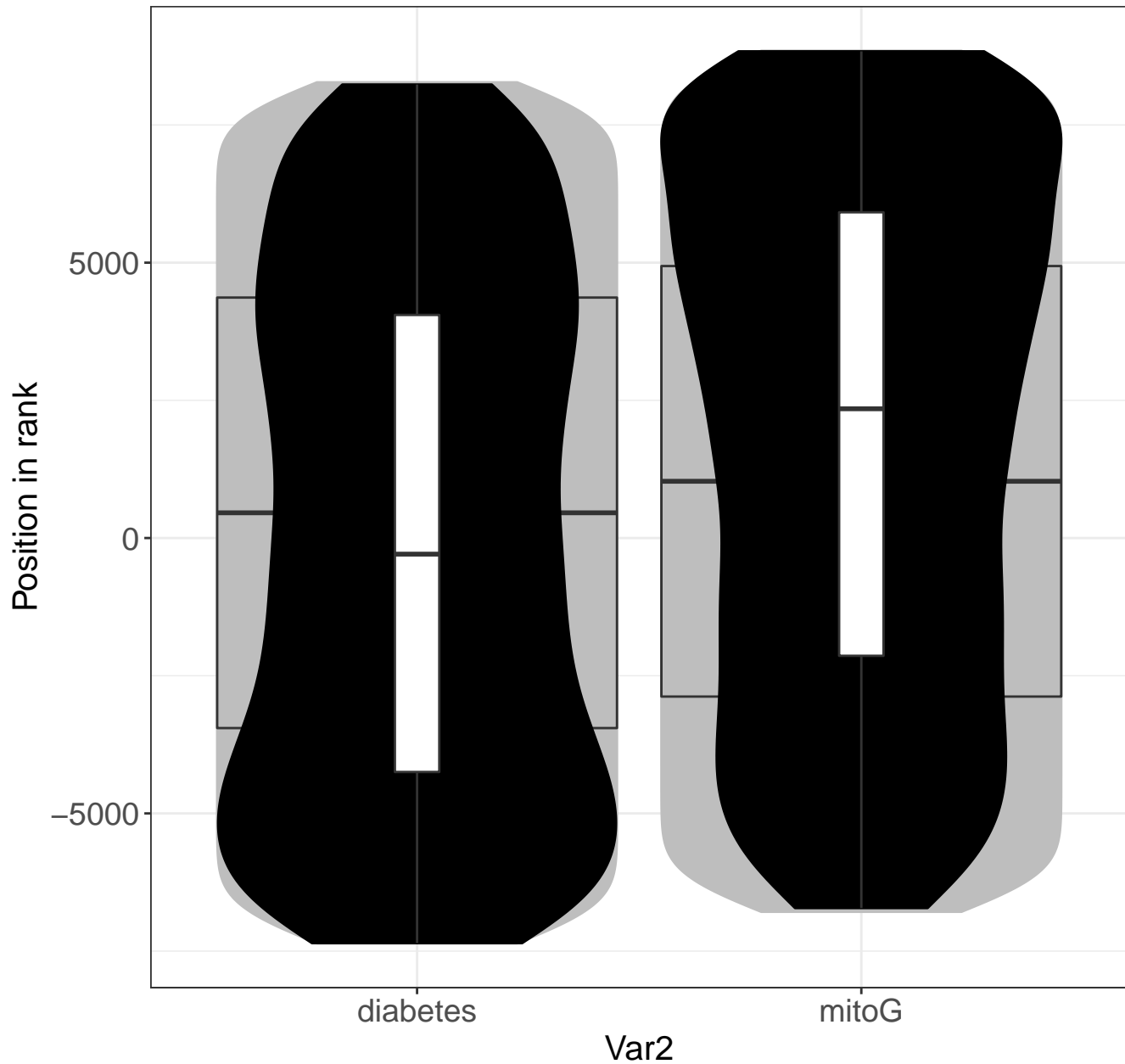




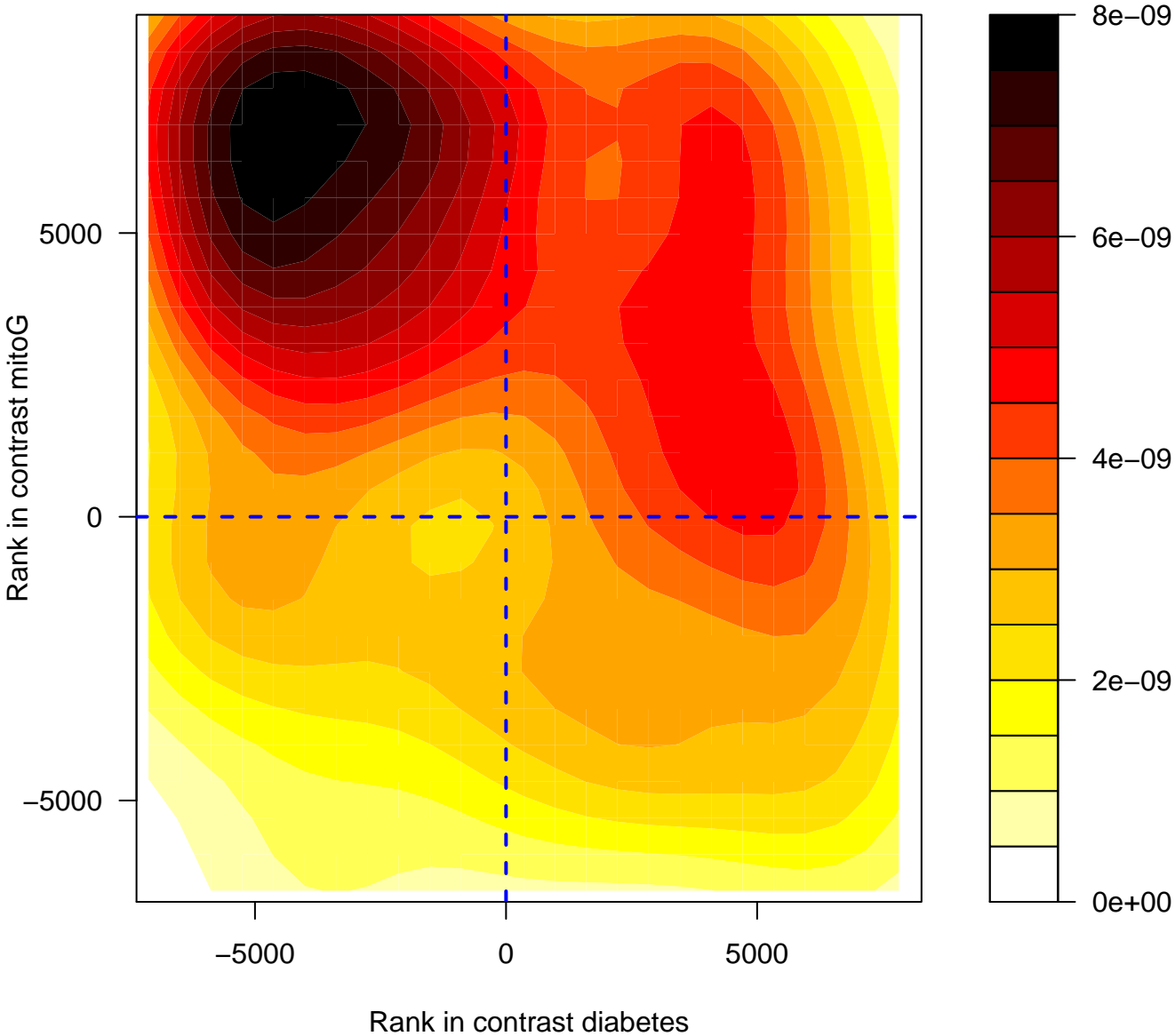
# Post-translational protein modification



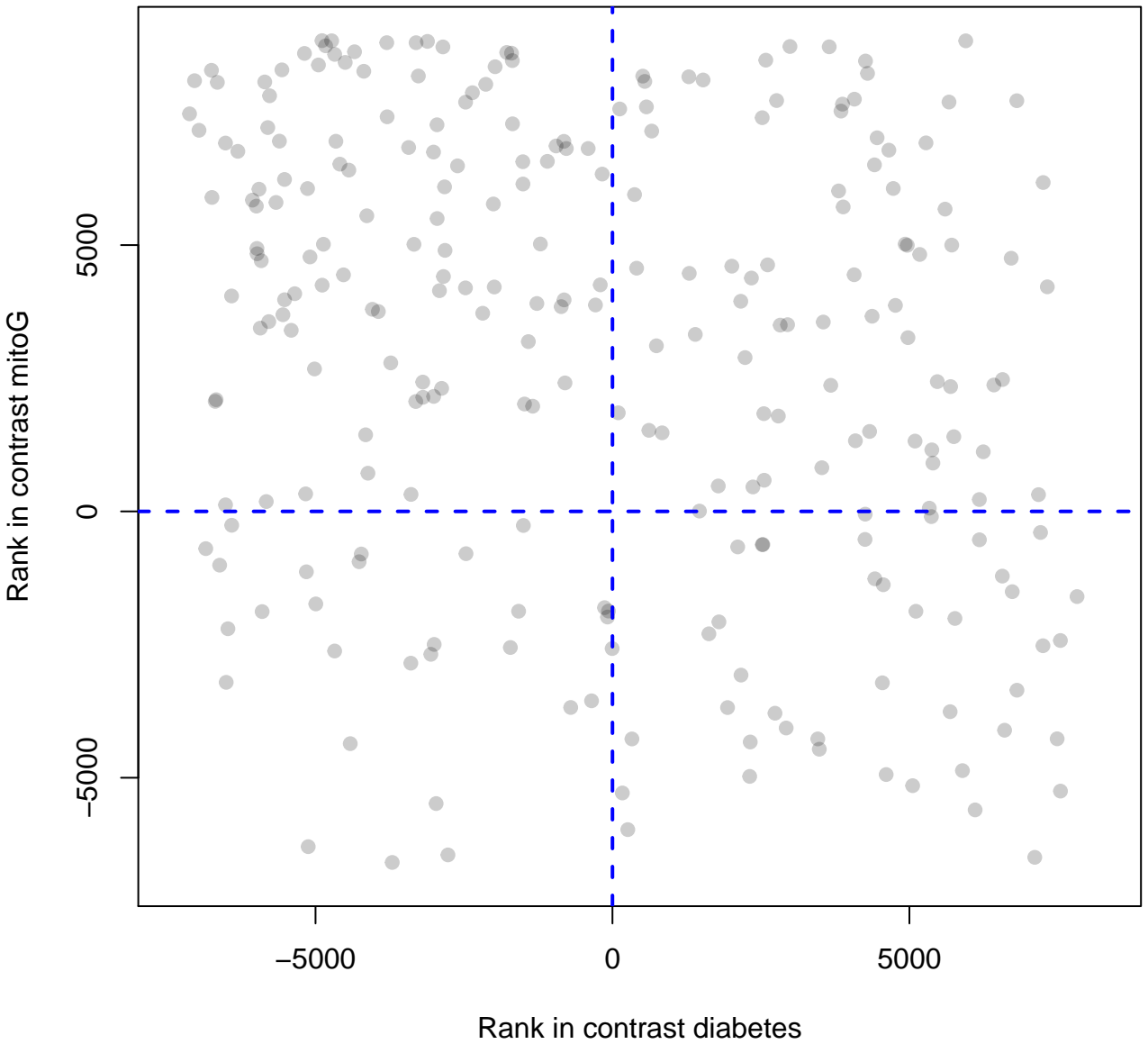
# Post-translational protein modification



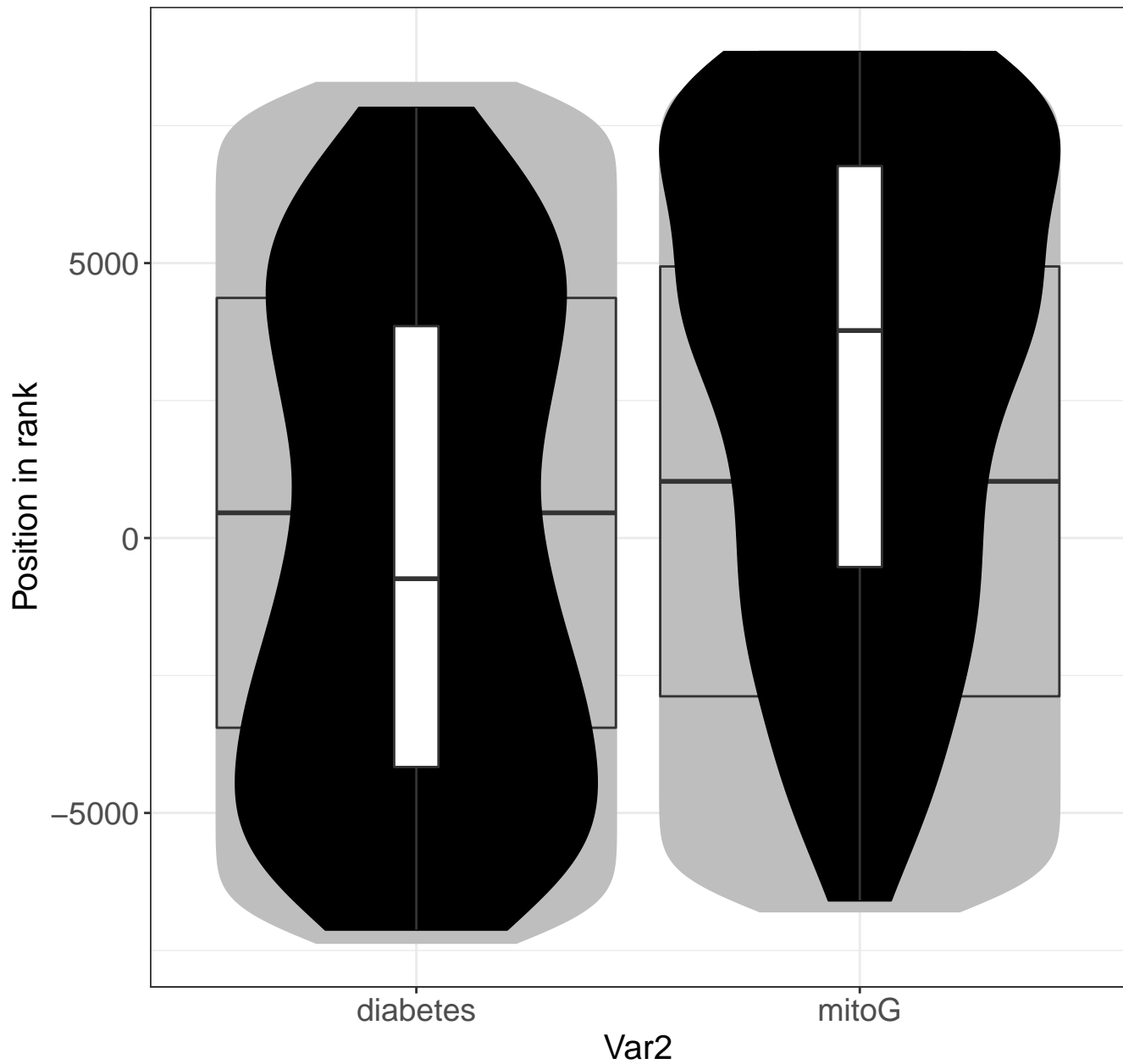
# Translation



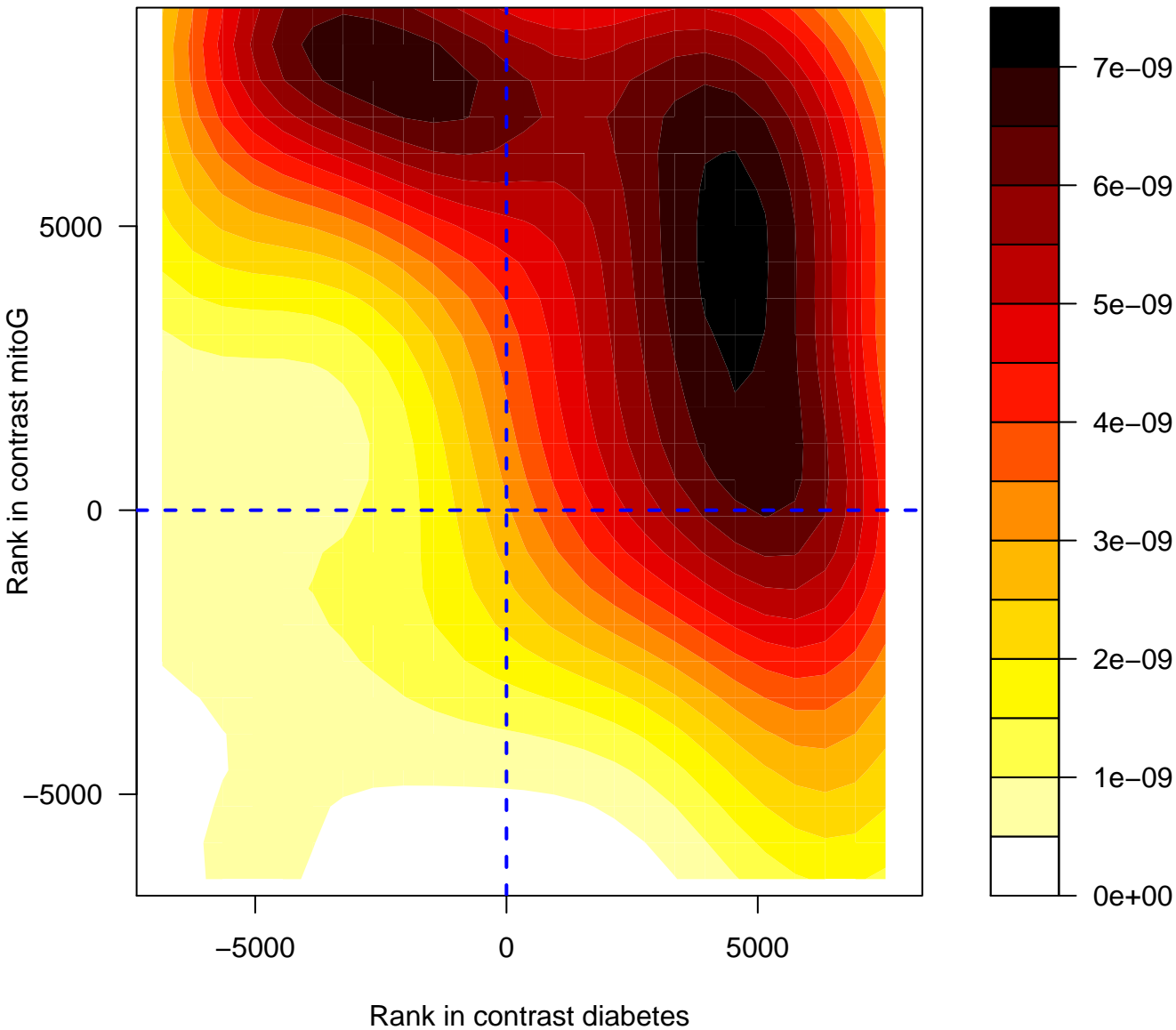
# Translation



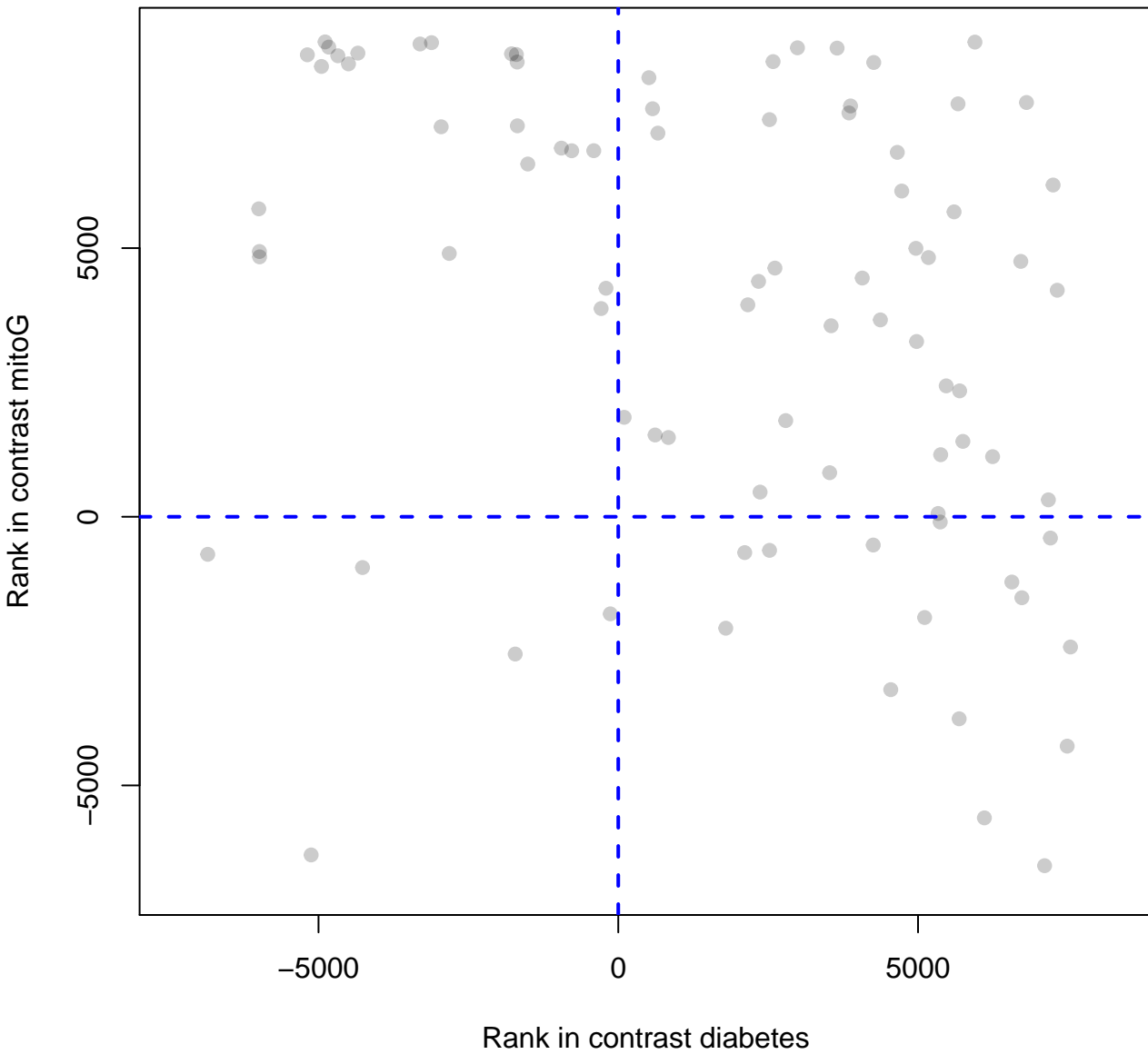
# Translation



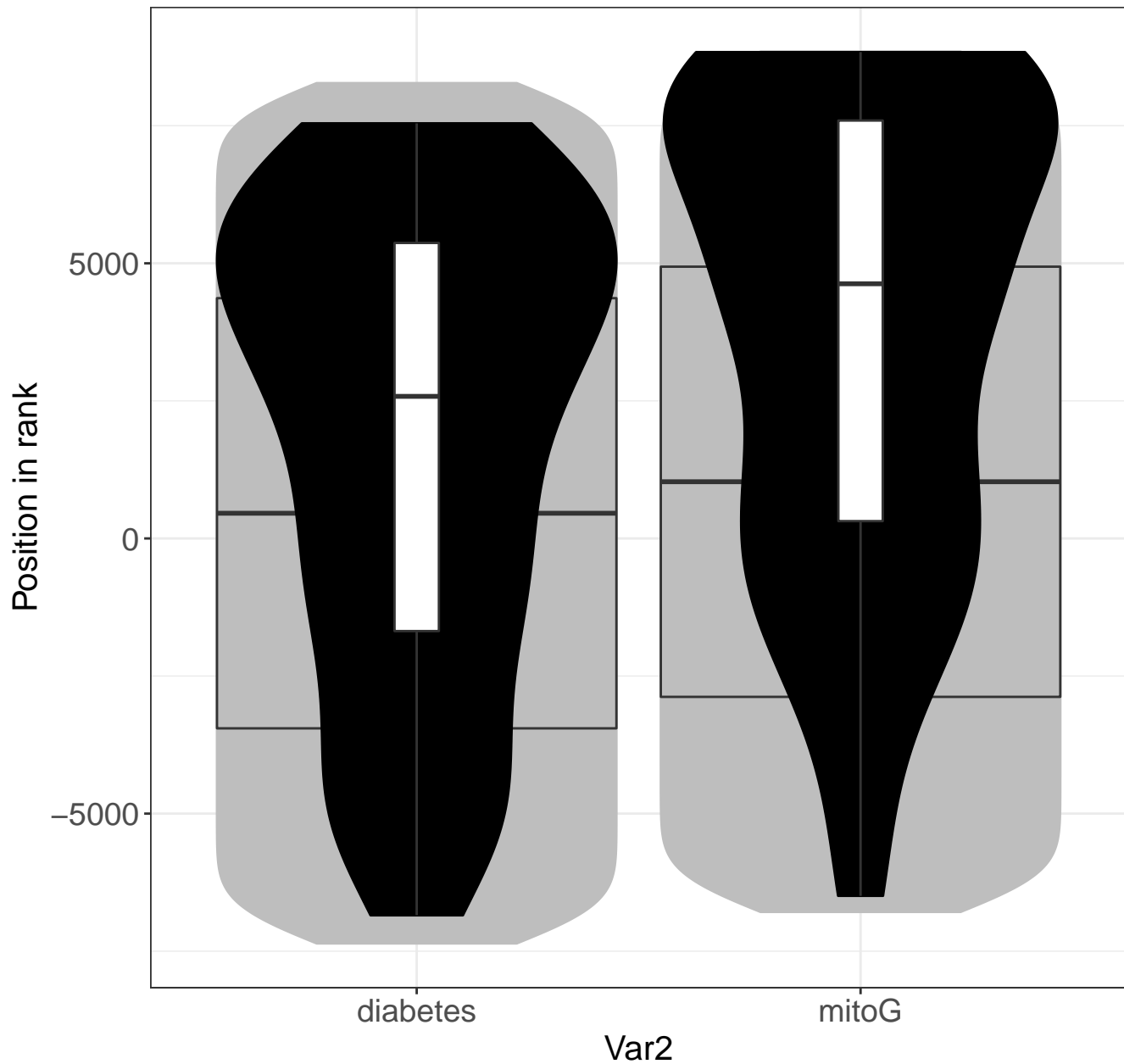
# Cap-dependent Translation Initiation



# Cap-dependent Translation Initiation

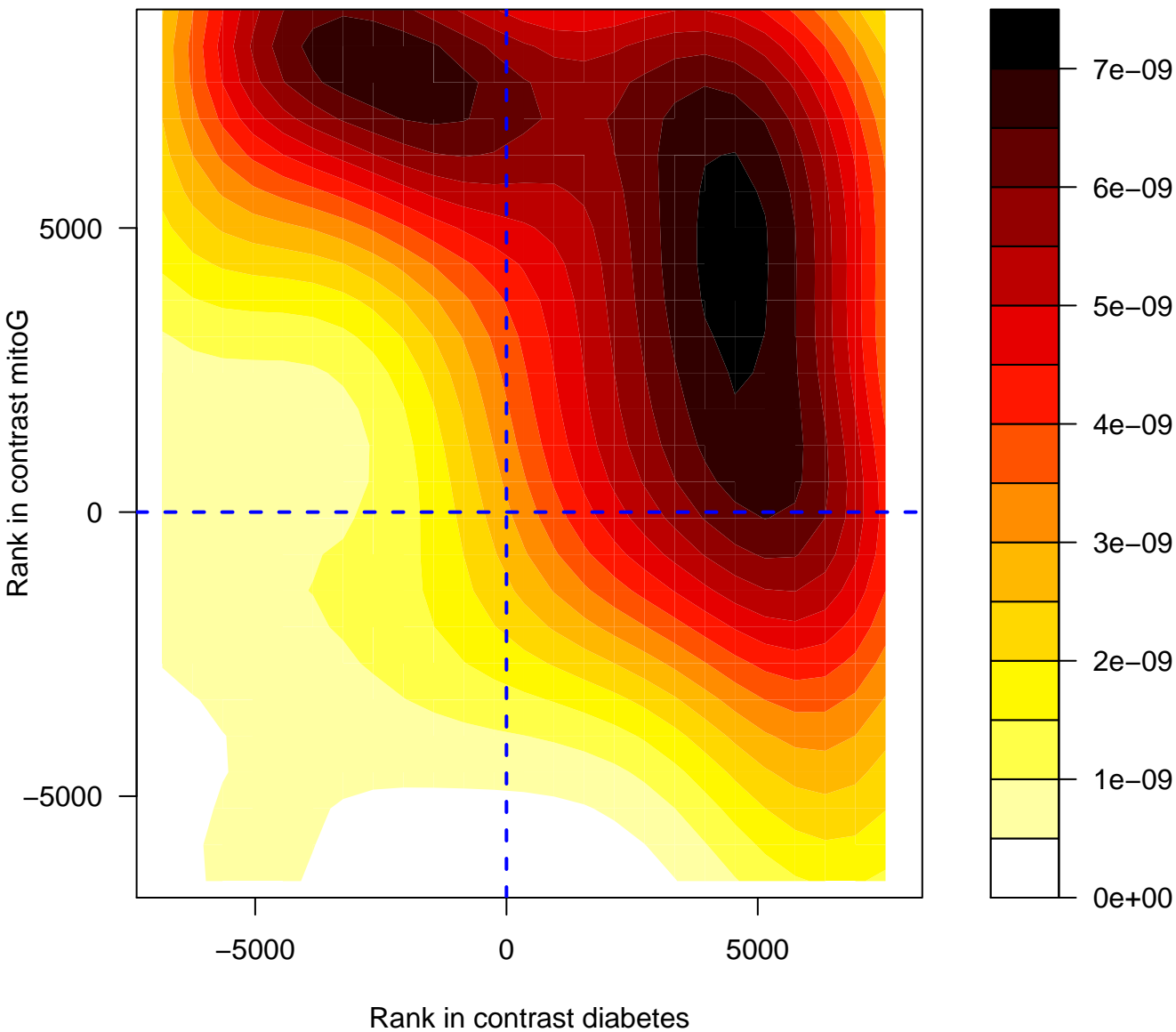


# Cap-dependent Translation Initiation

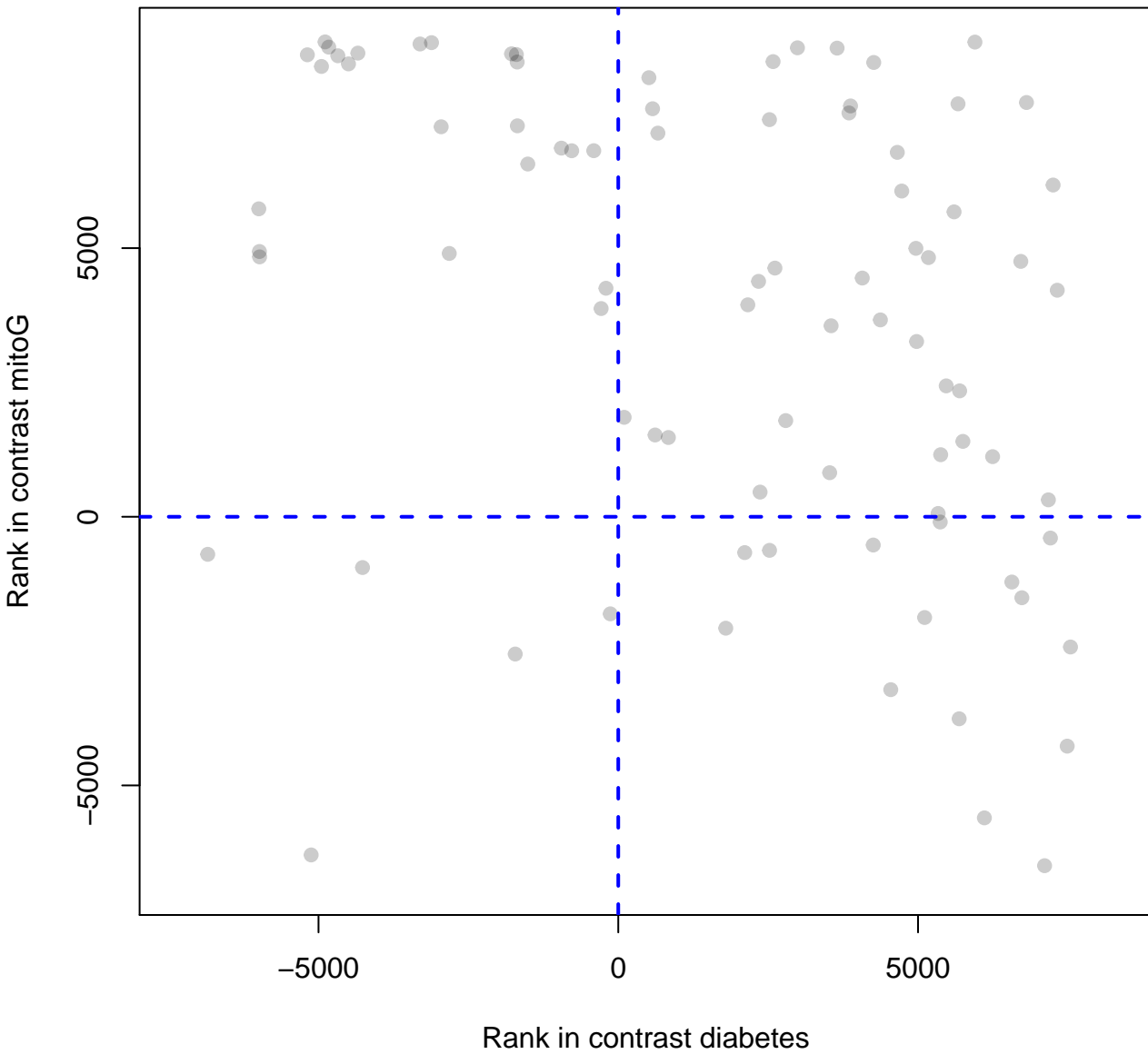




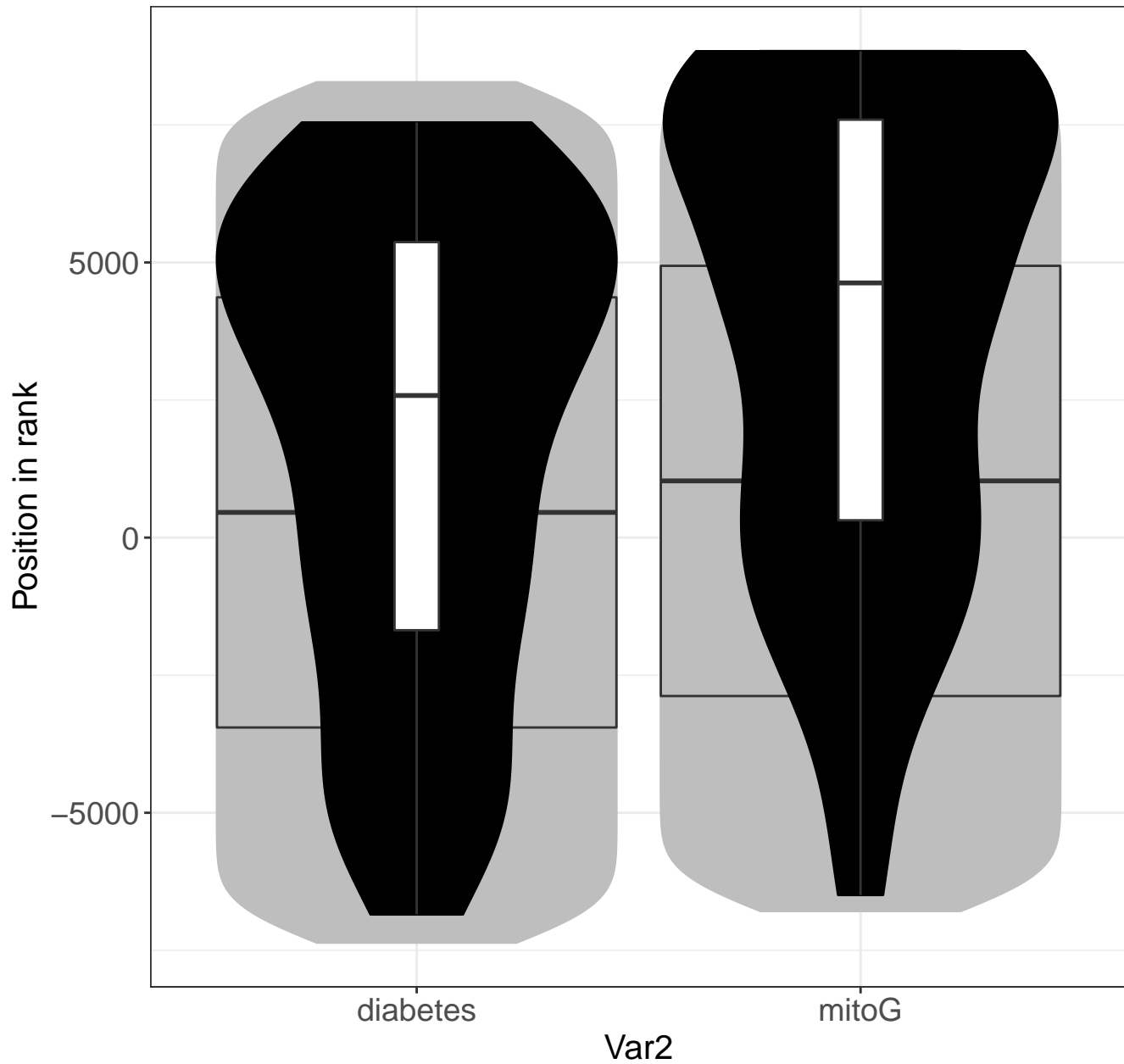
# Eukaryotic Translation Initiation



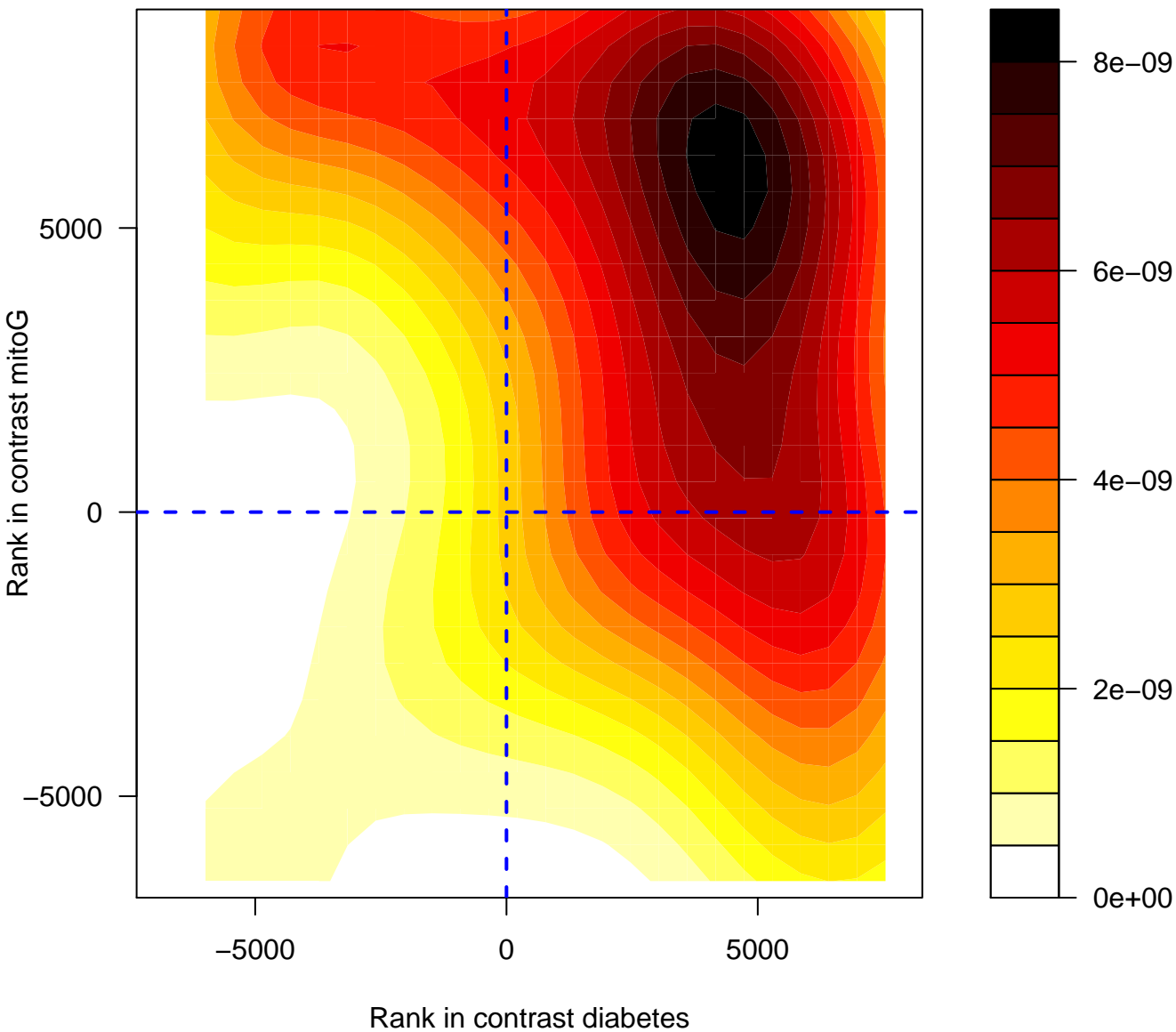
# Eukaryotic Translation Initiation



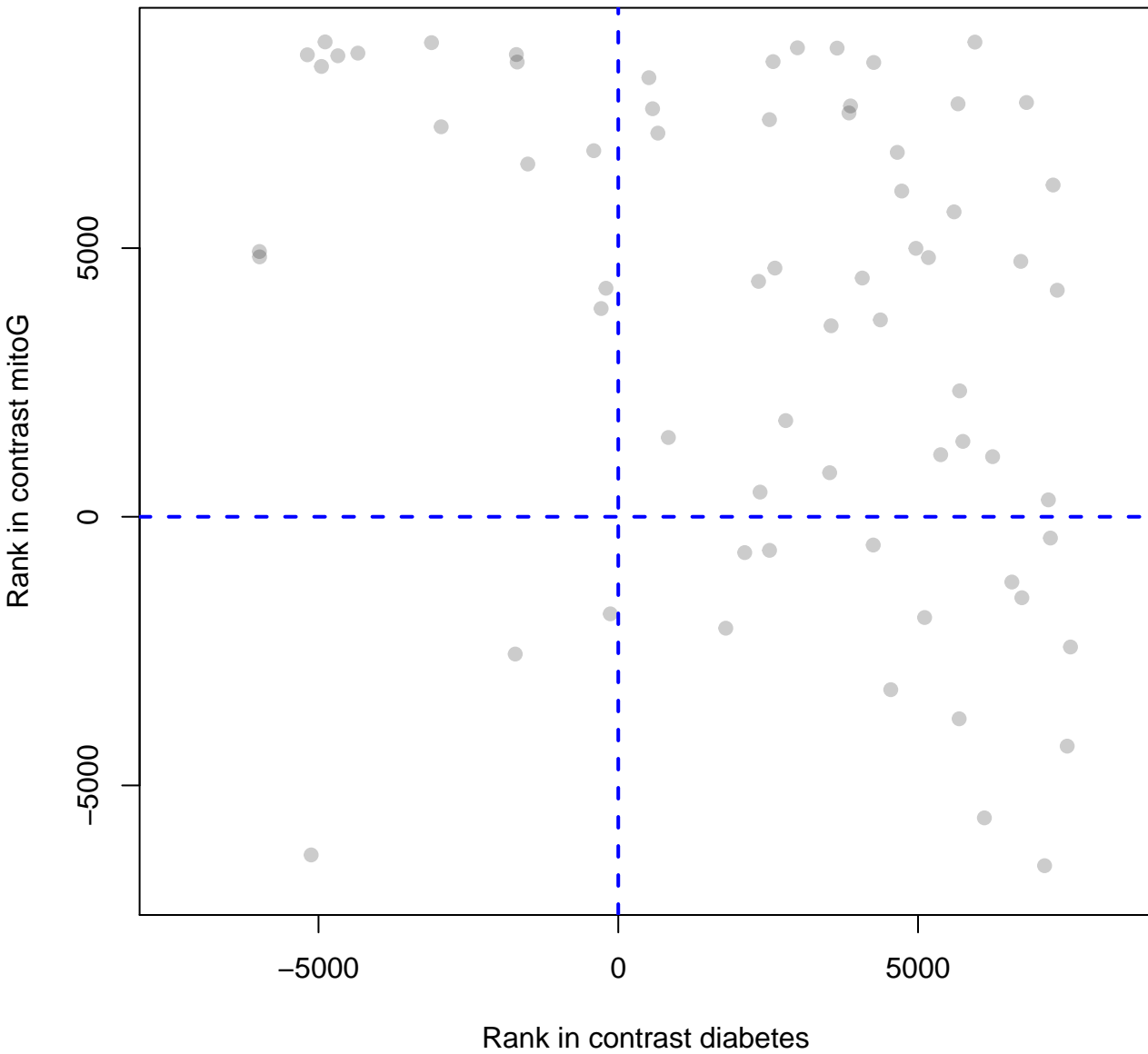
# Eukaryotic Translation Initiation



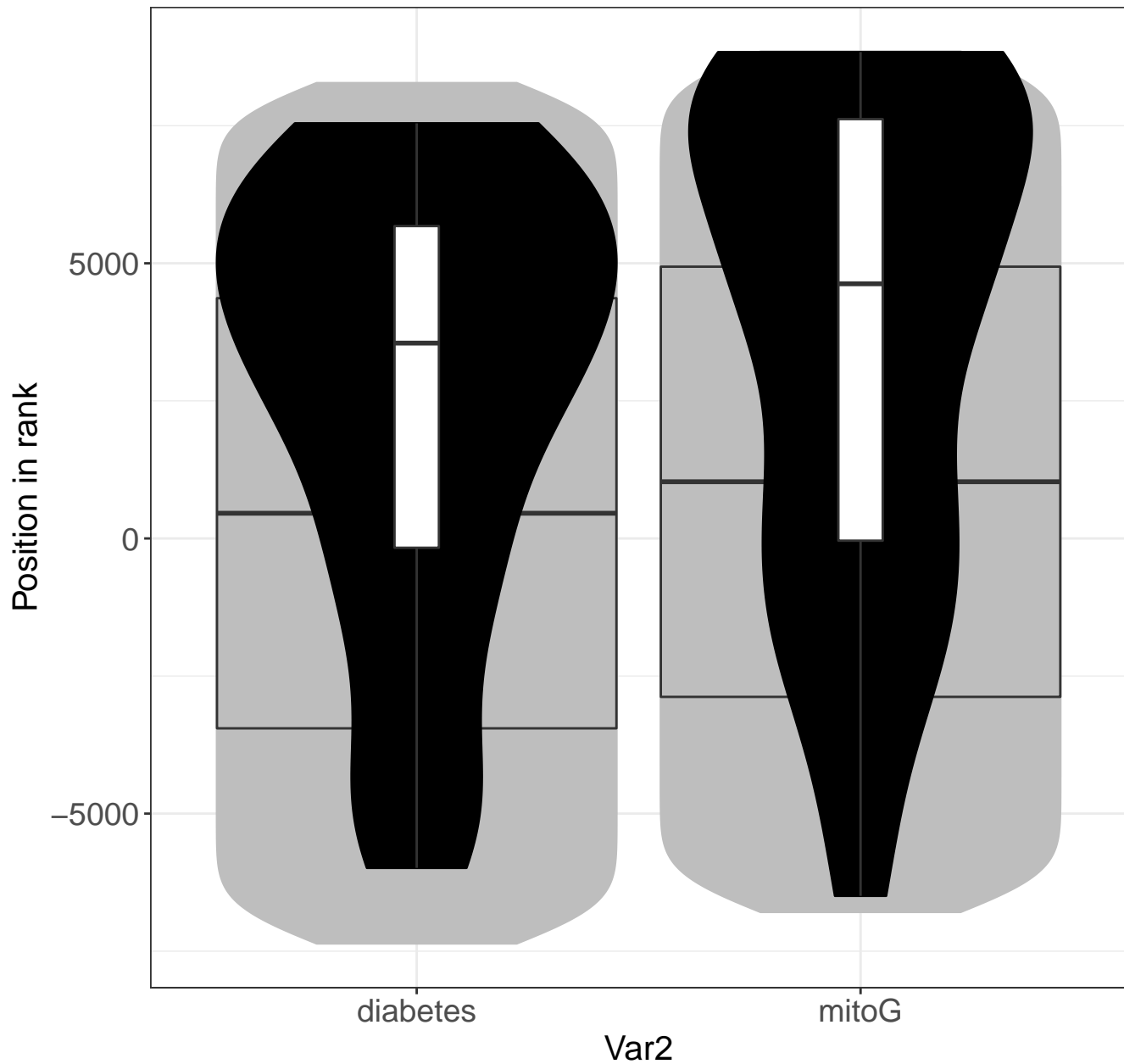
# Formation of a pool of free 40S subunits



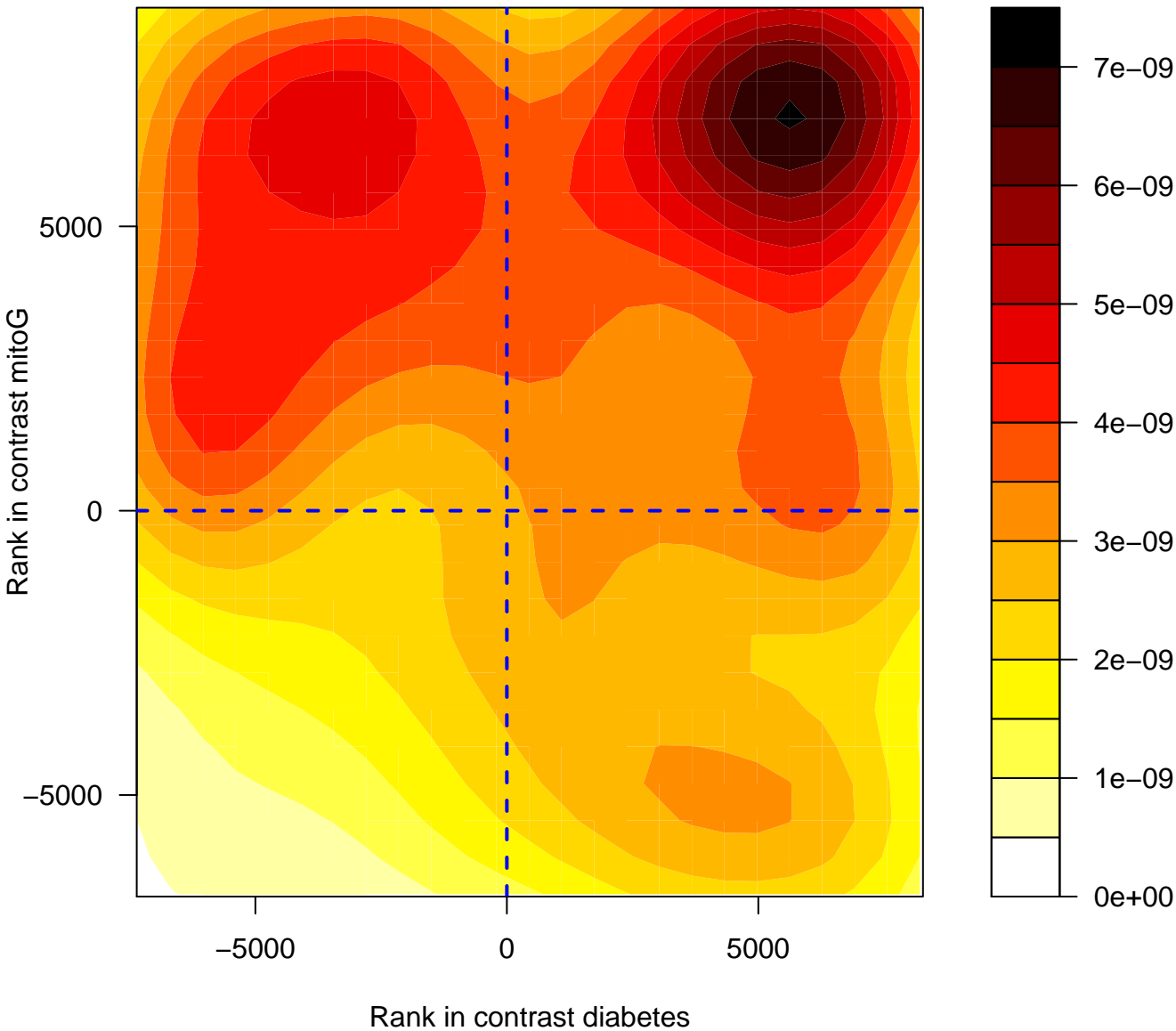
# Formation of a pool of free 40S subunits



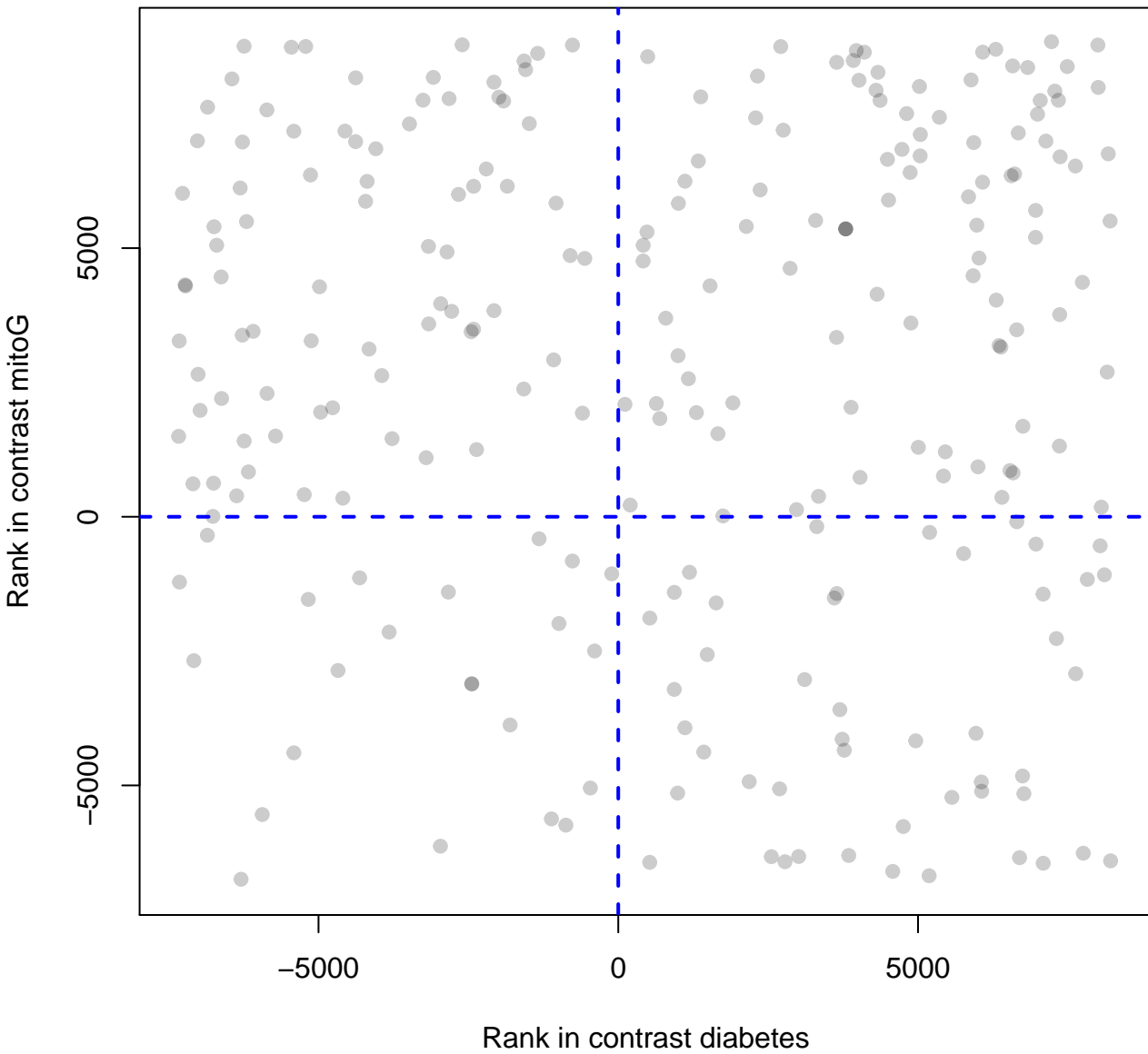
# Formation of a pool of free 40S subunits



# Extracellular matrix organization

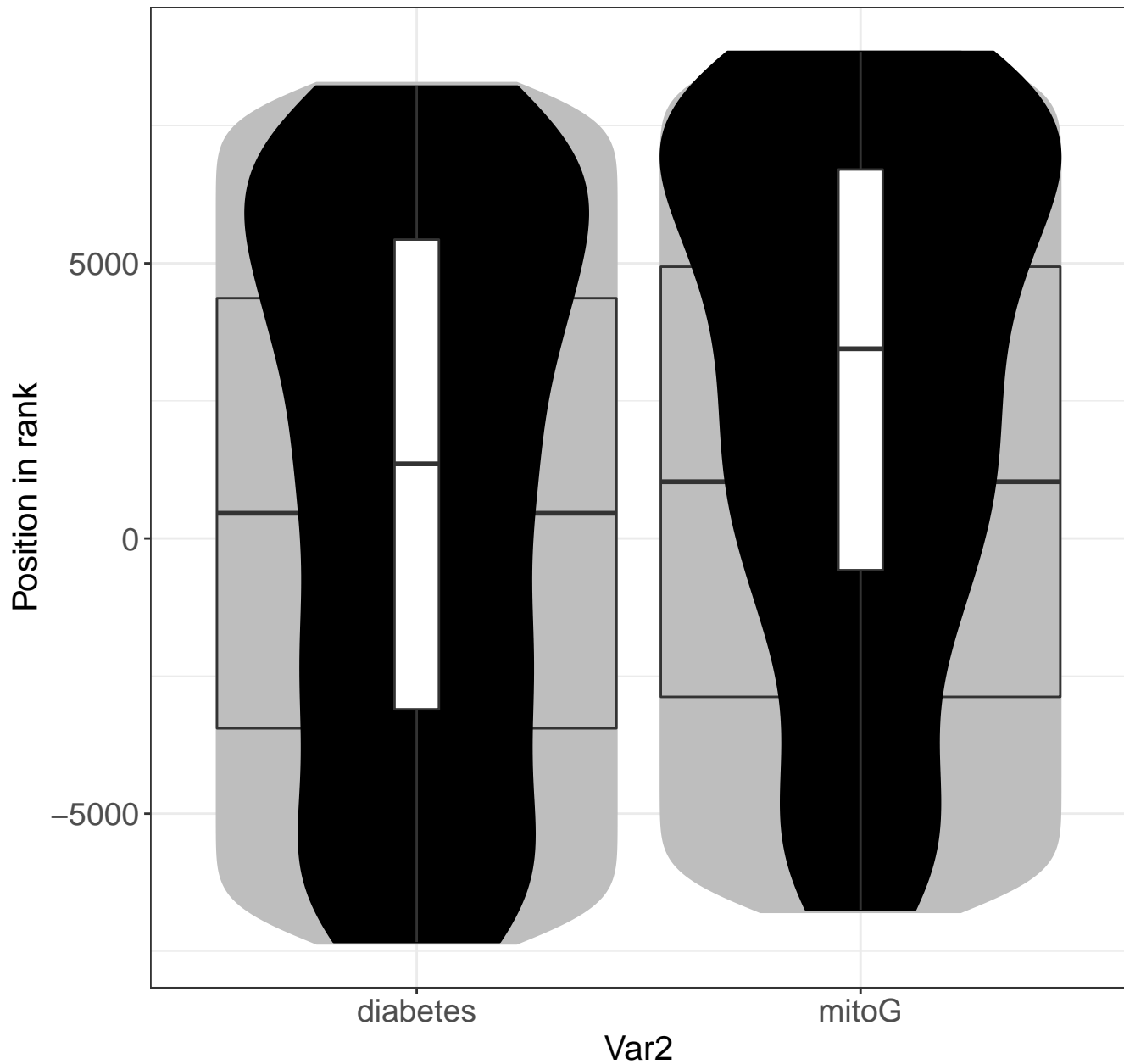


# Extracellular matrix organization

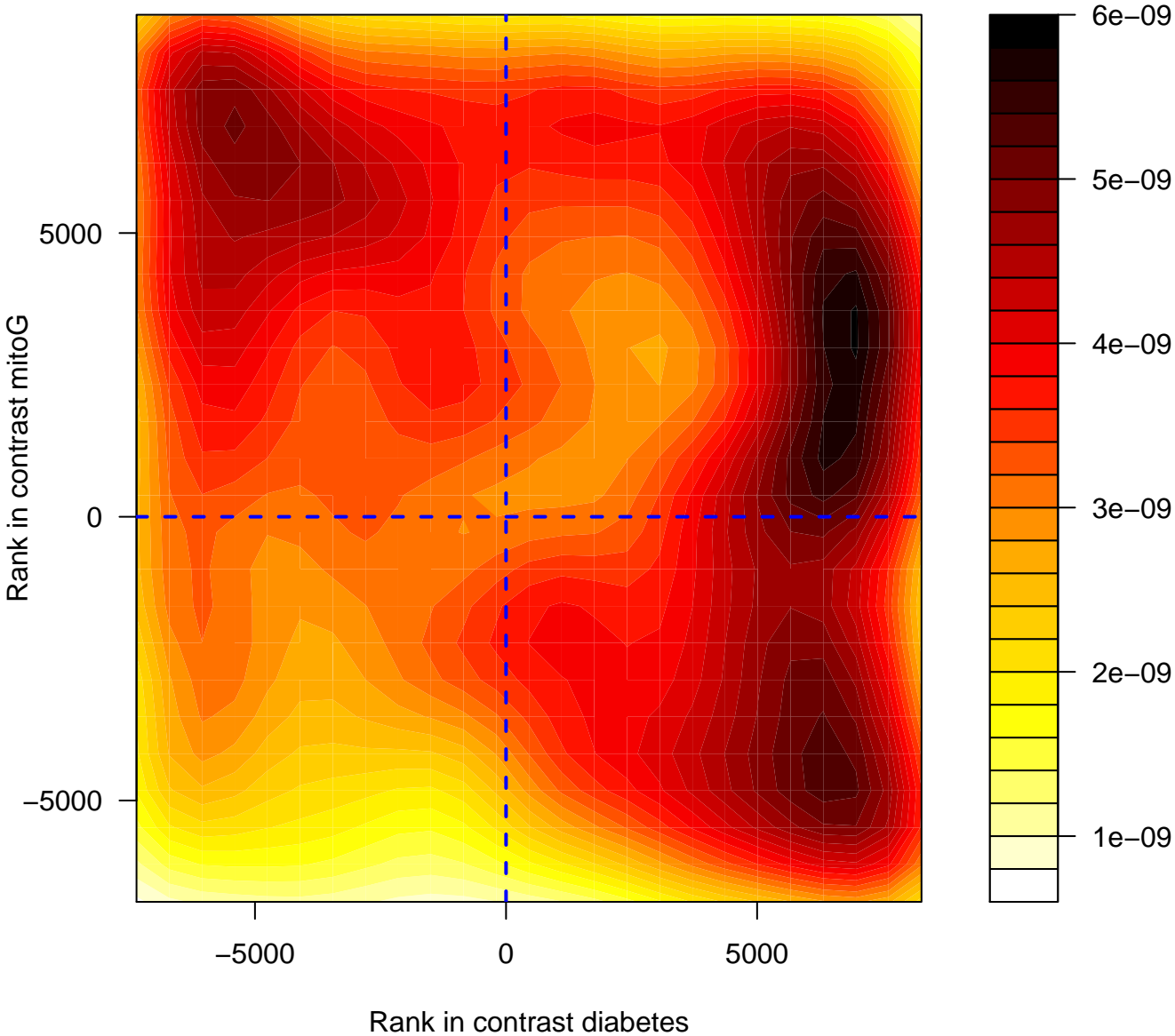




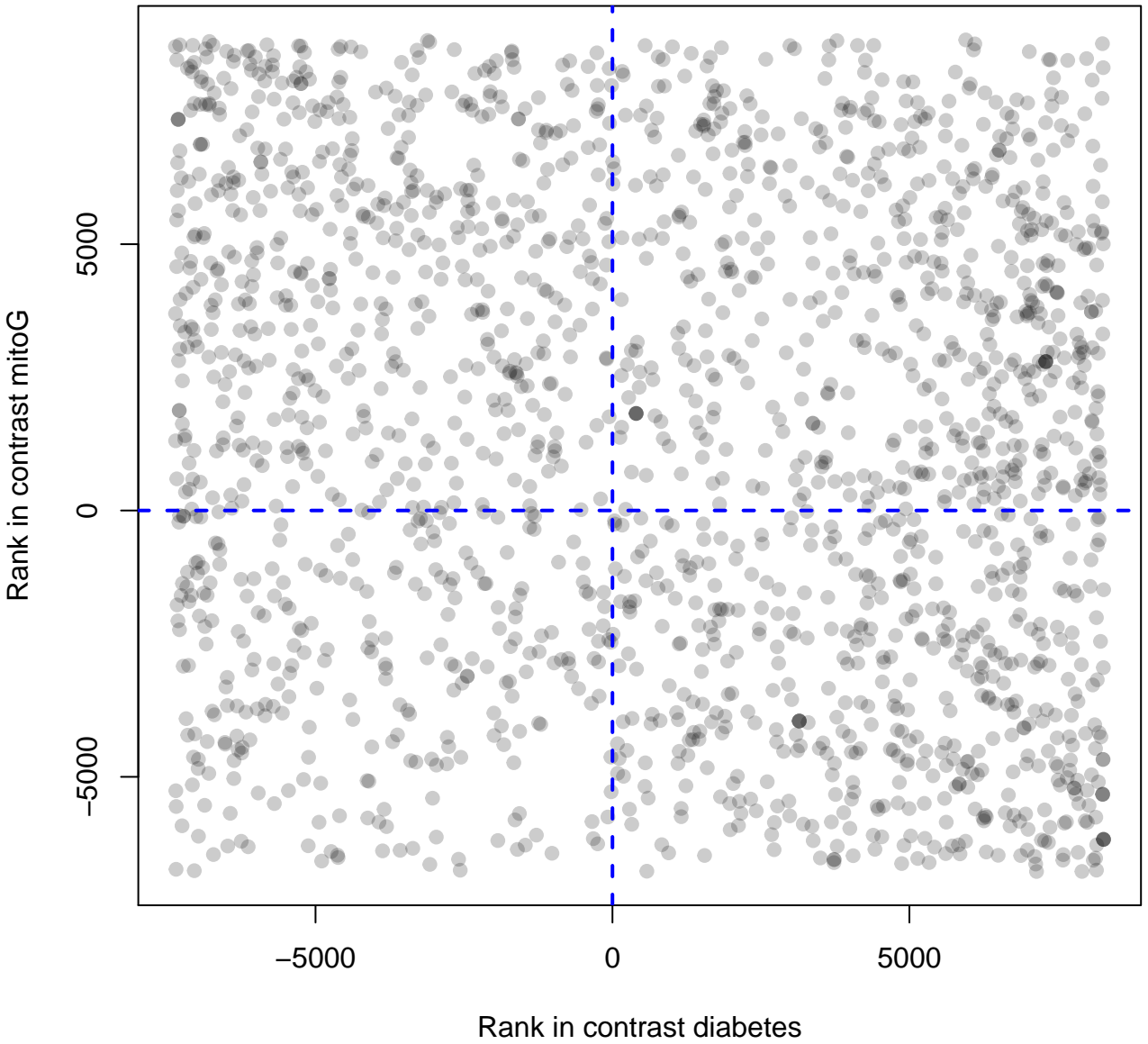
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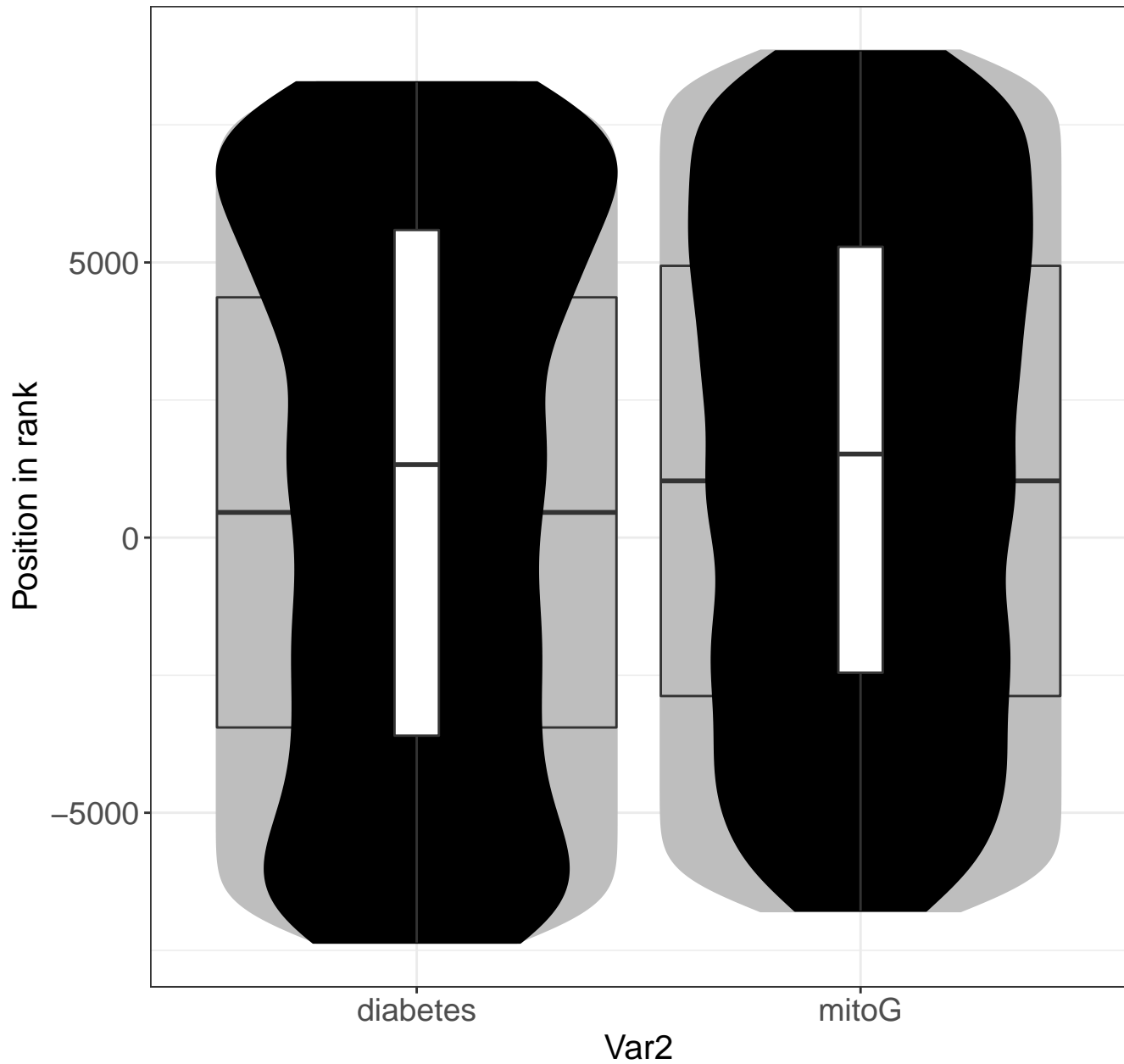
# Metabolism



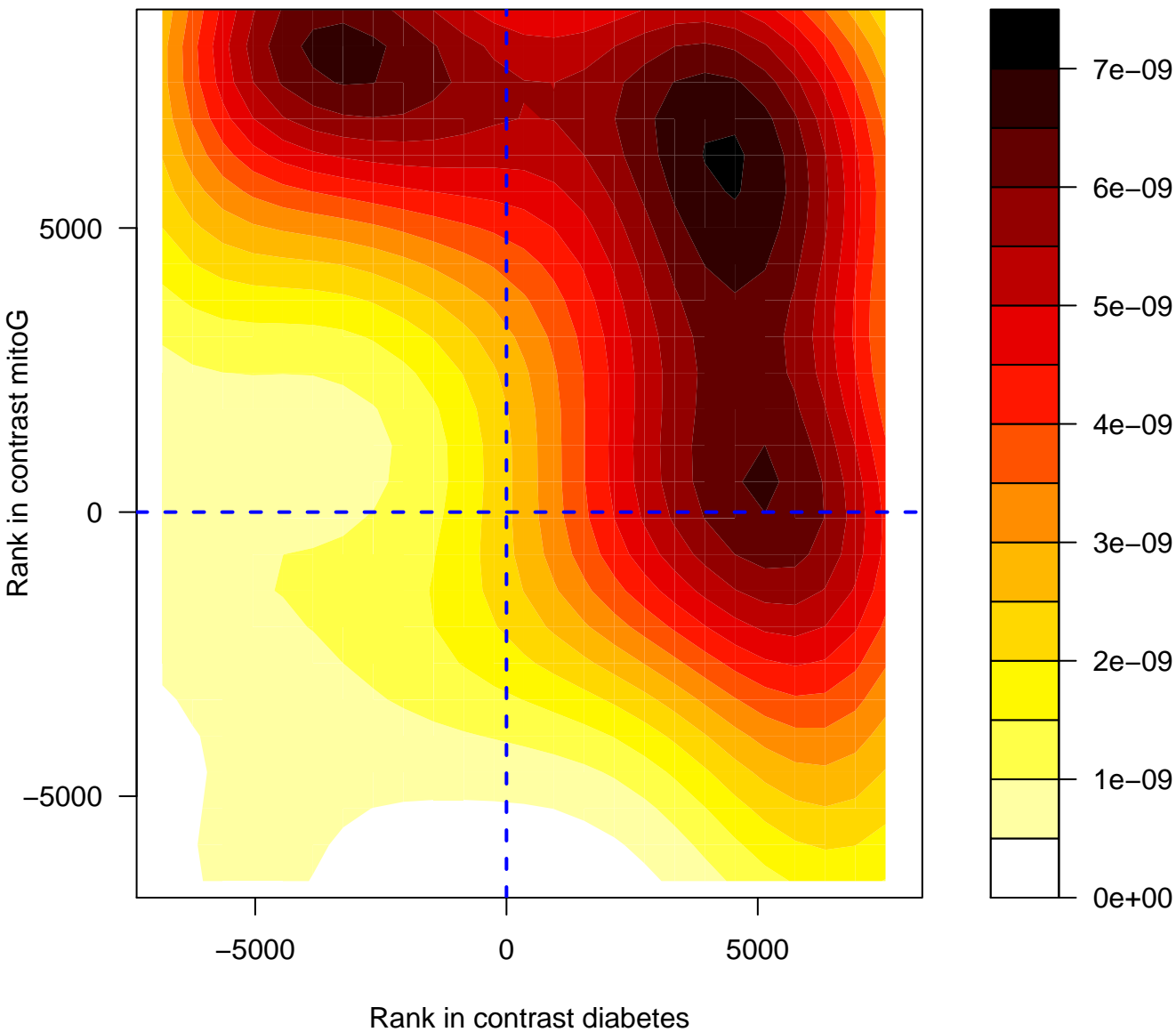
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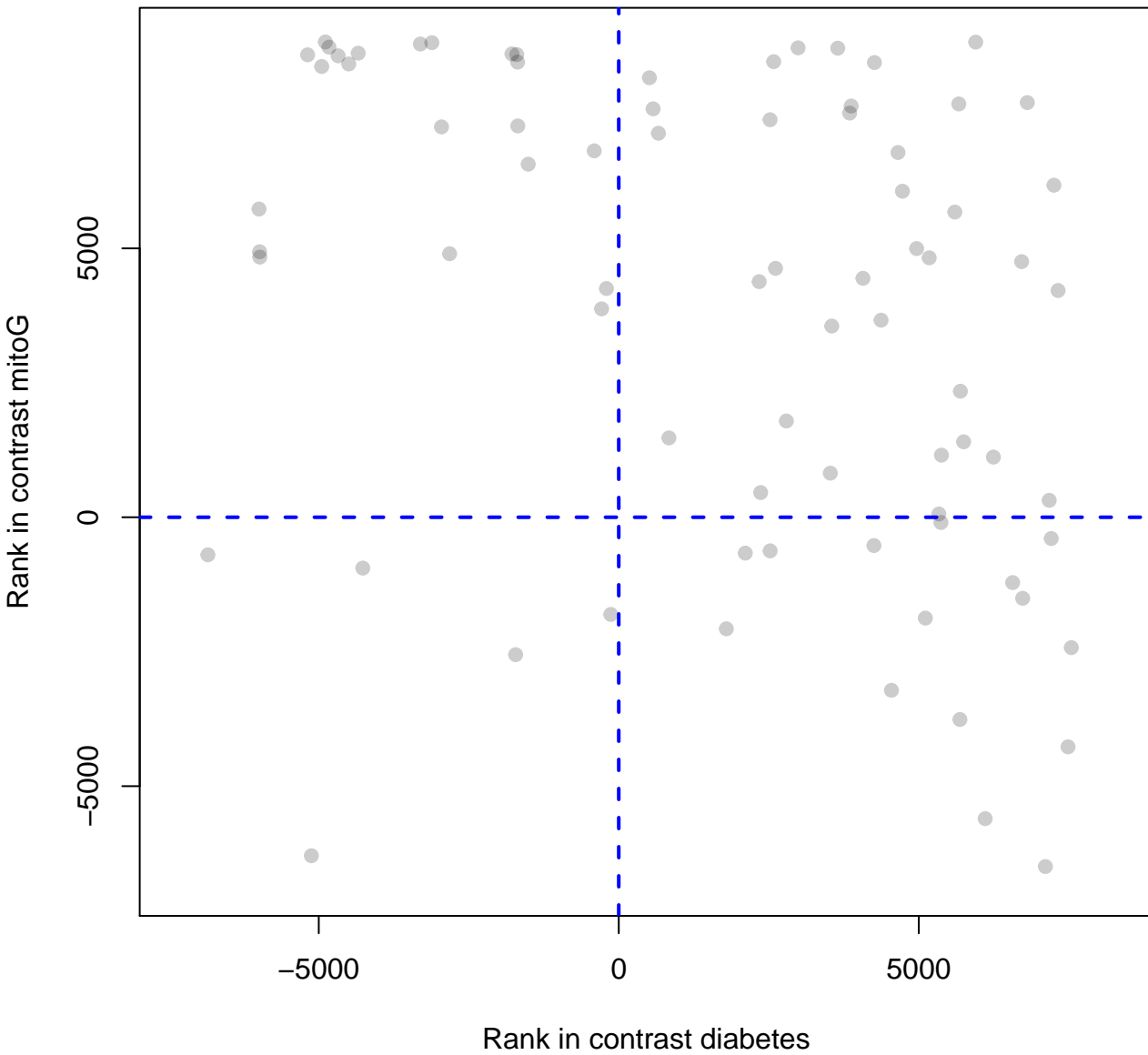
# Metabolism



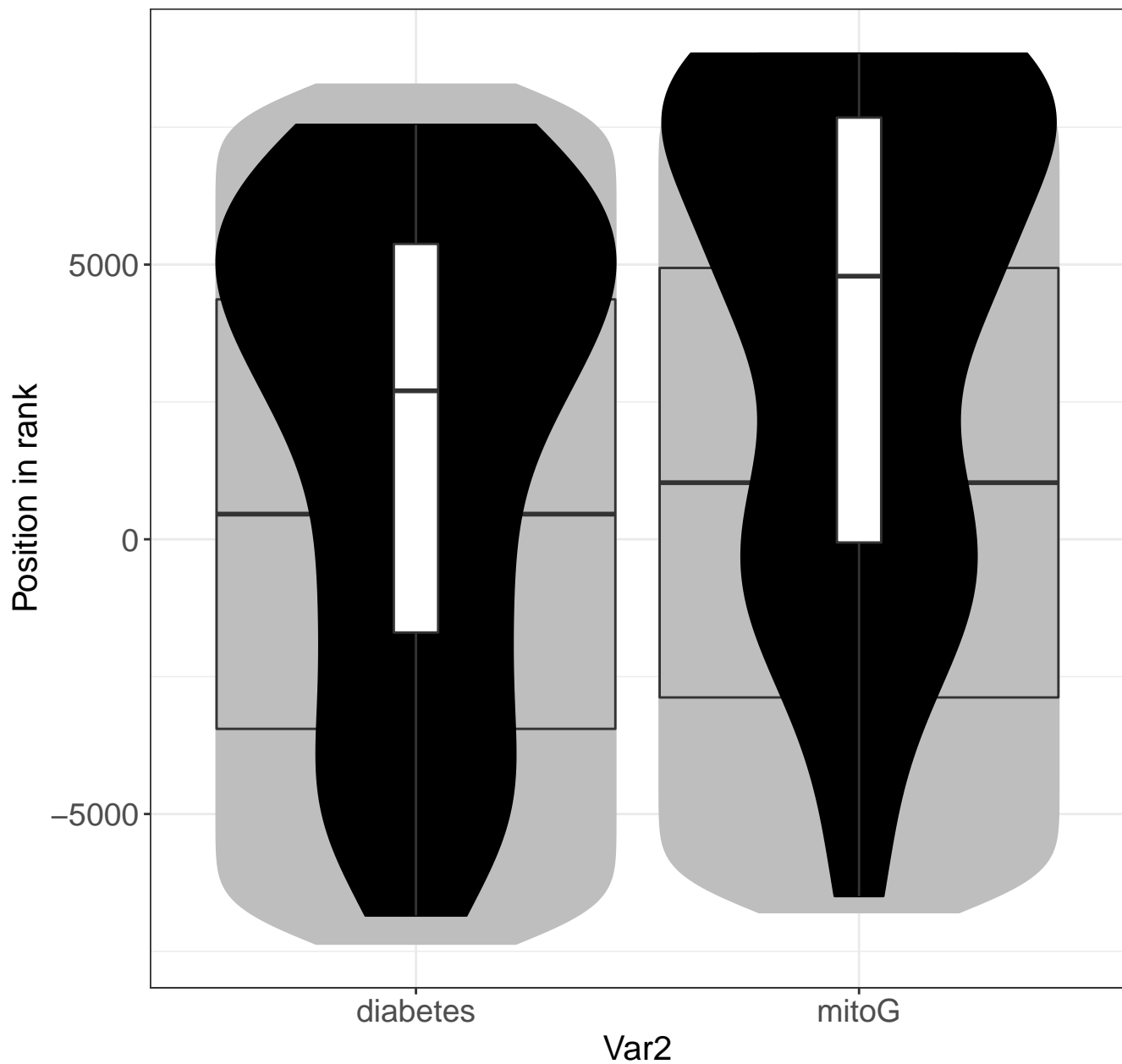
# GTP hydrolysis and joining of the 60S ribosomal subun



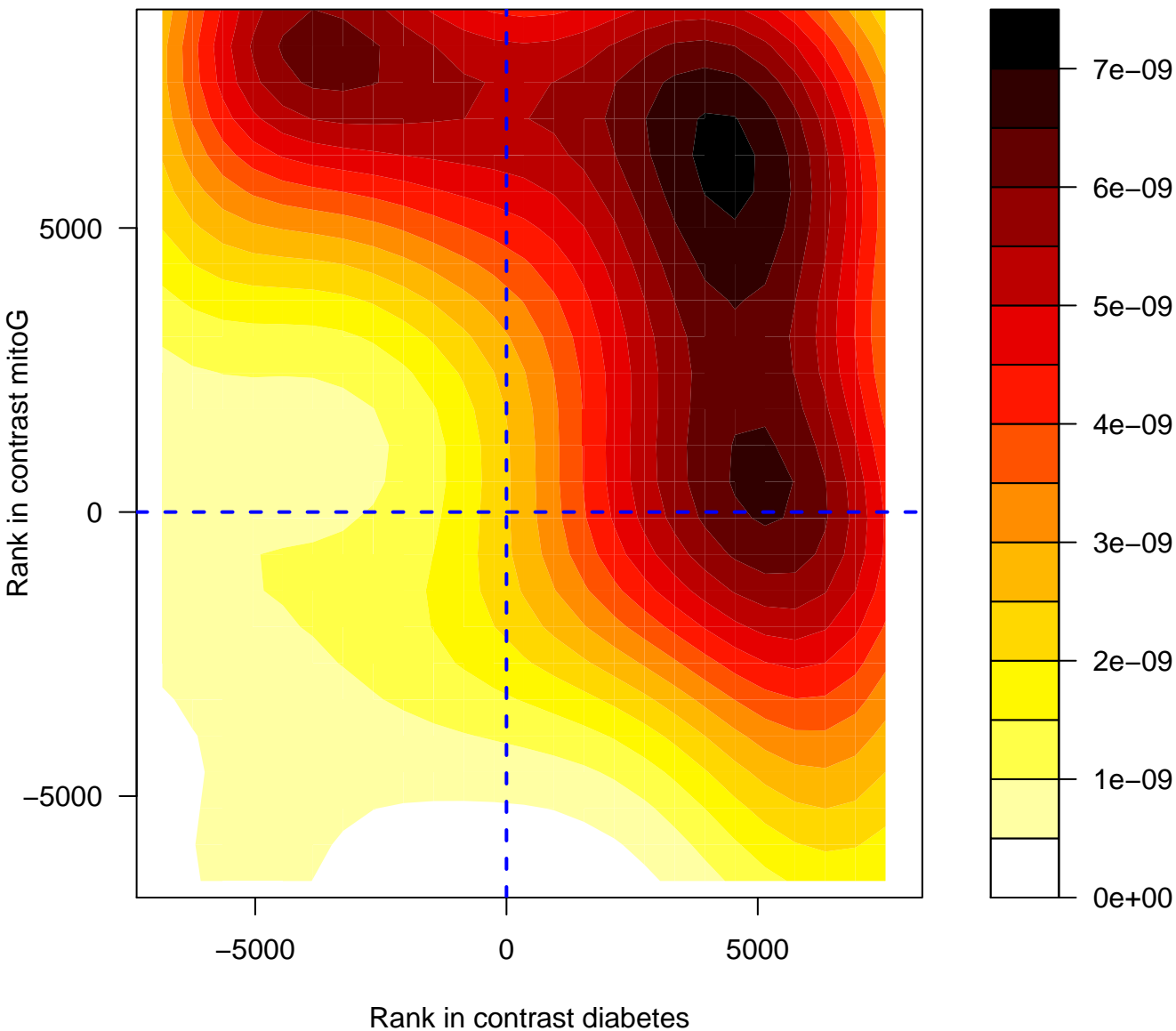
# GTP hydrolysis and joining of the 60S ribosomal subunit



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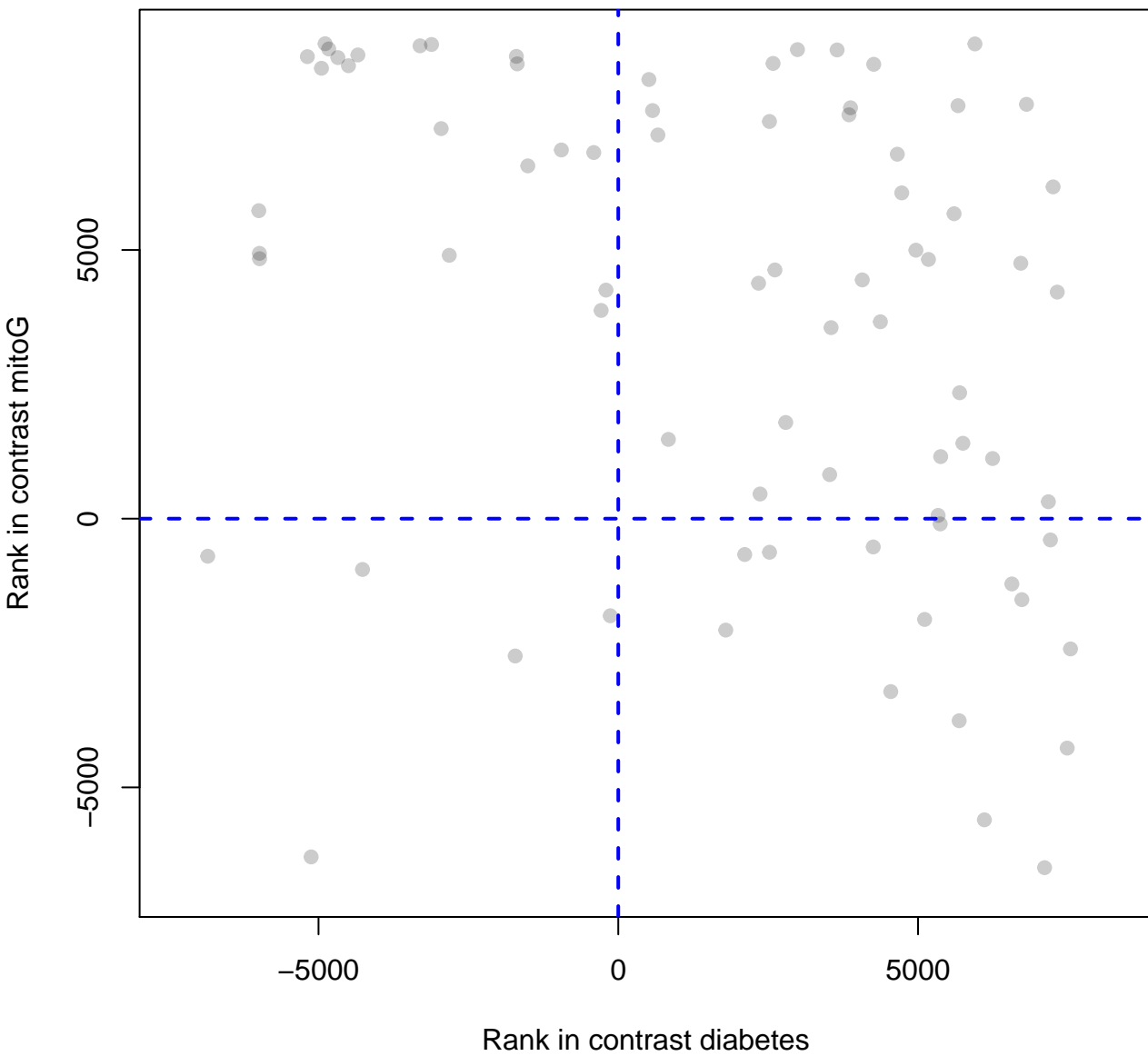


# L13a-mediated translational silencing of Ceruloplasmin expr

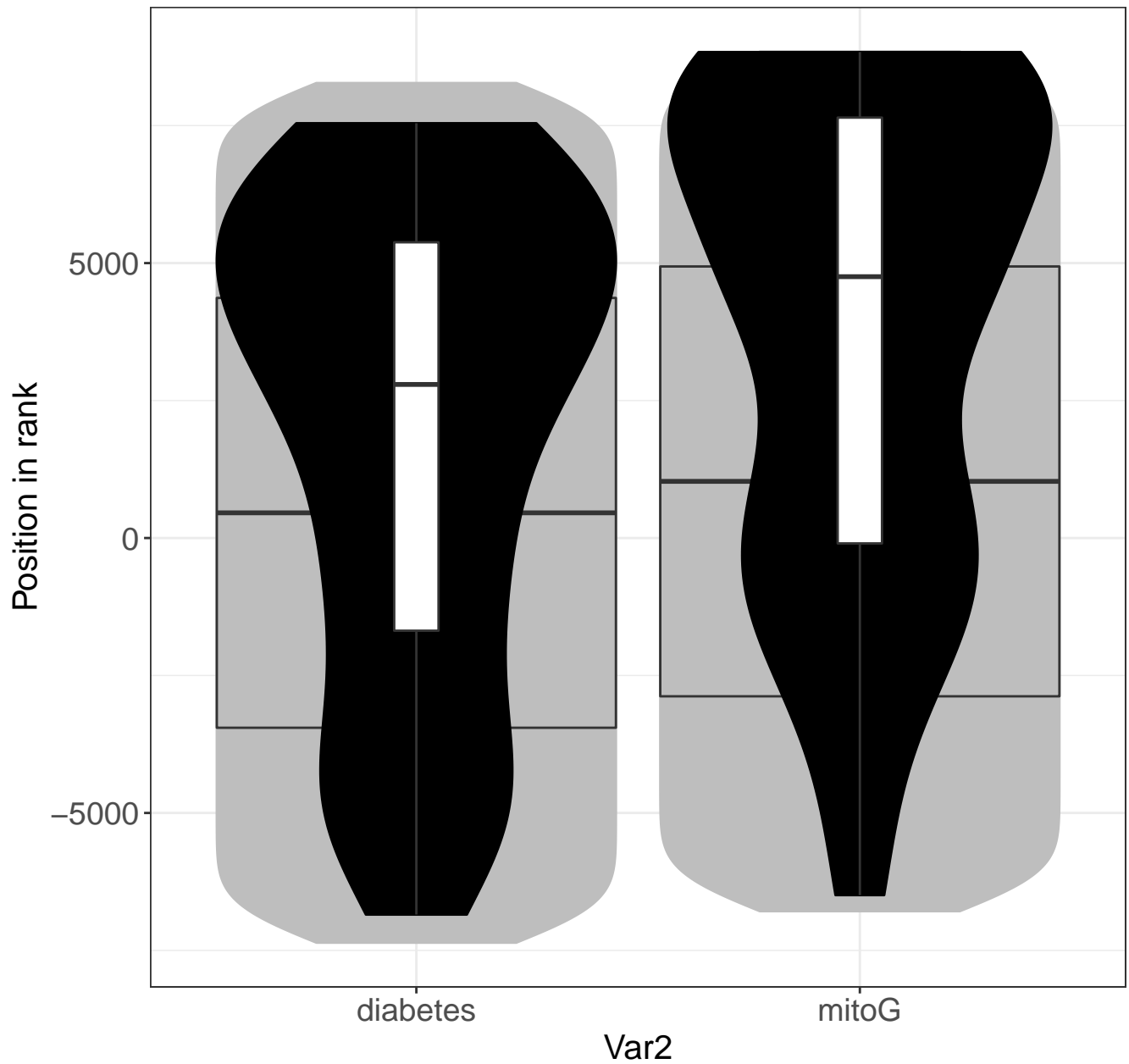




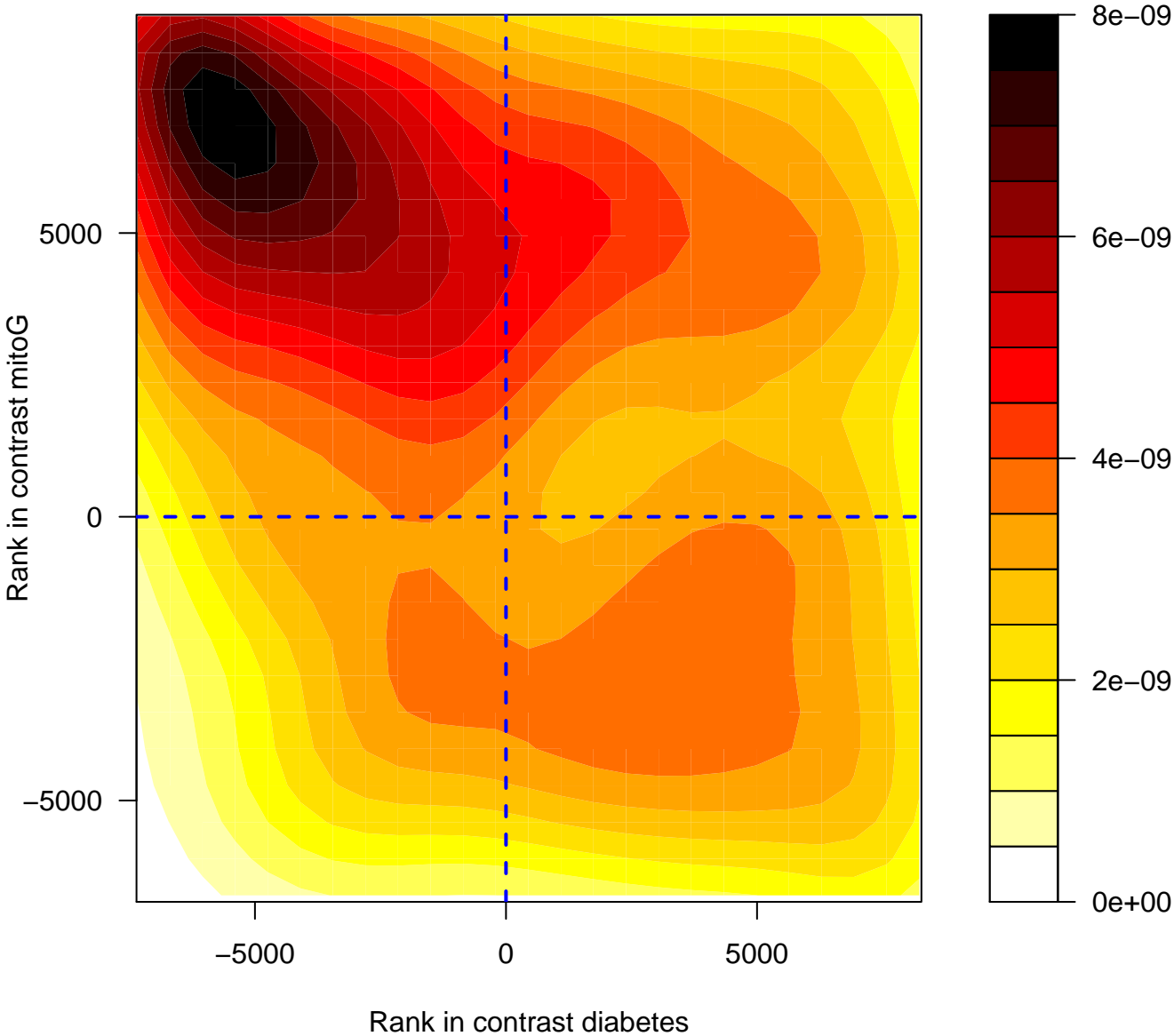
# L13a-mediated translational silencing of Ceruloplasmin expression



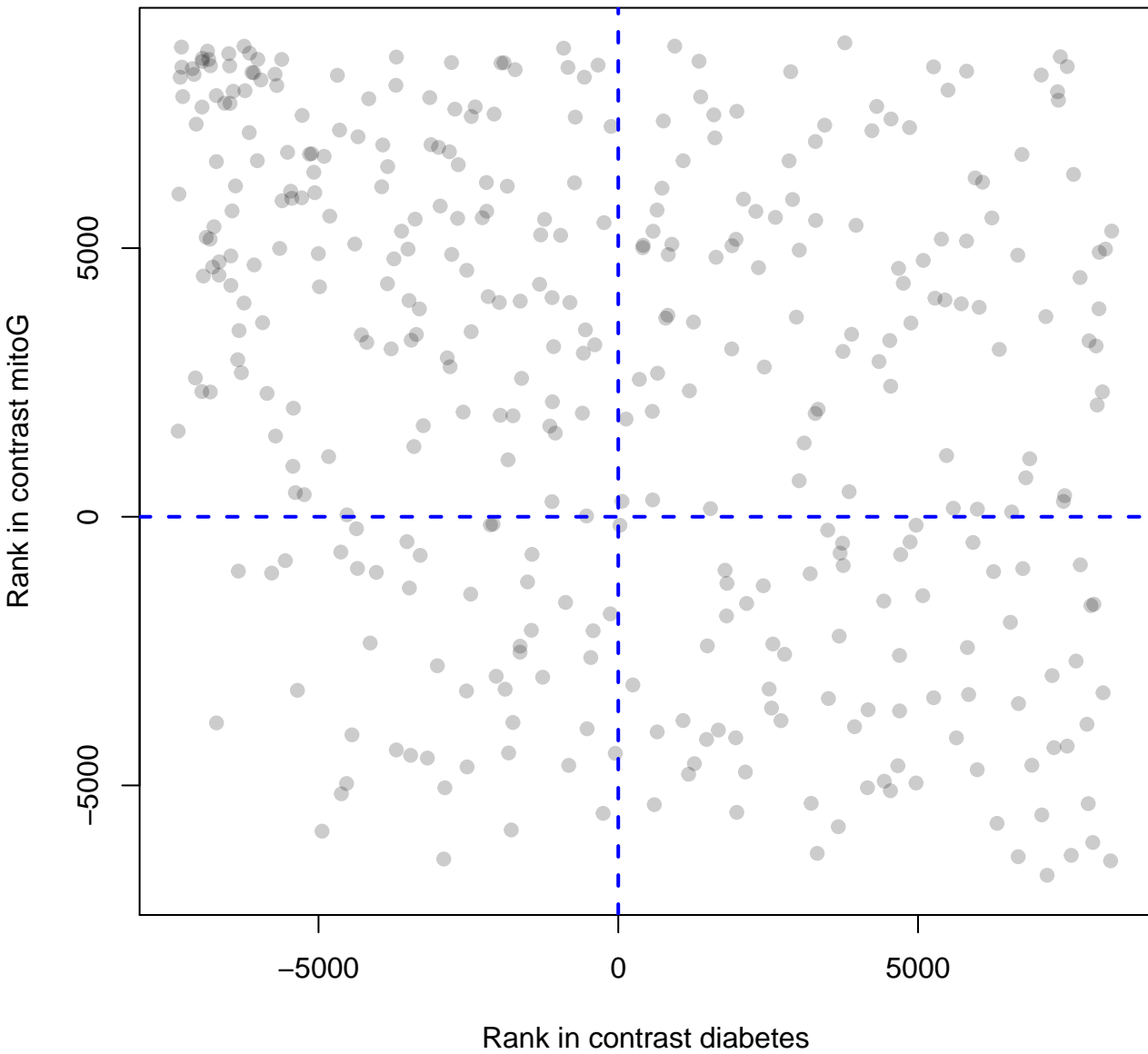
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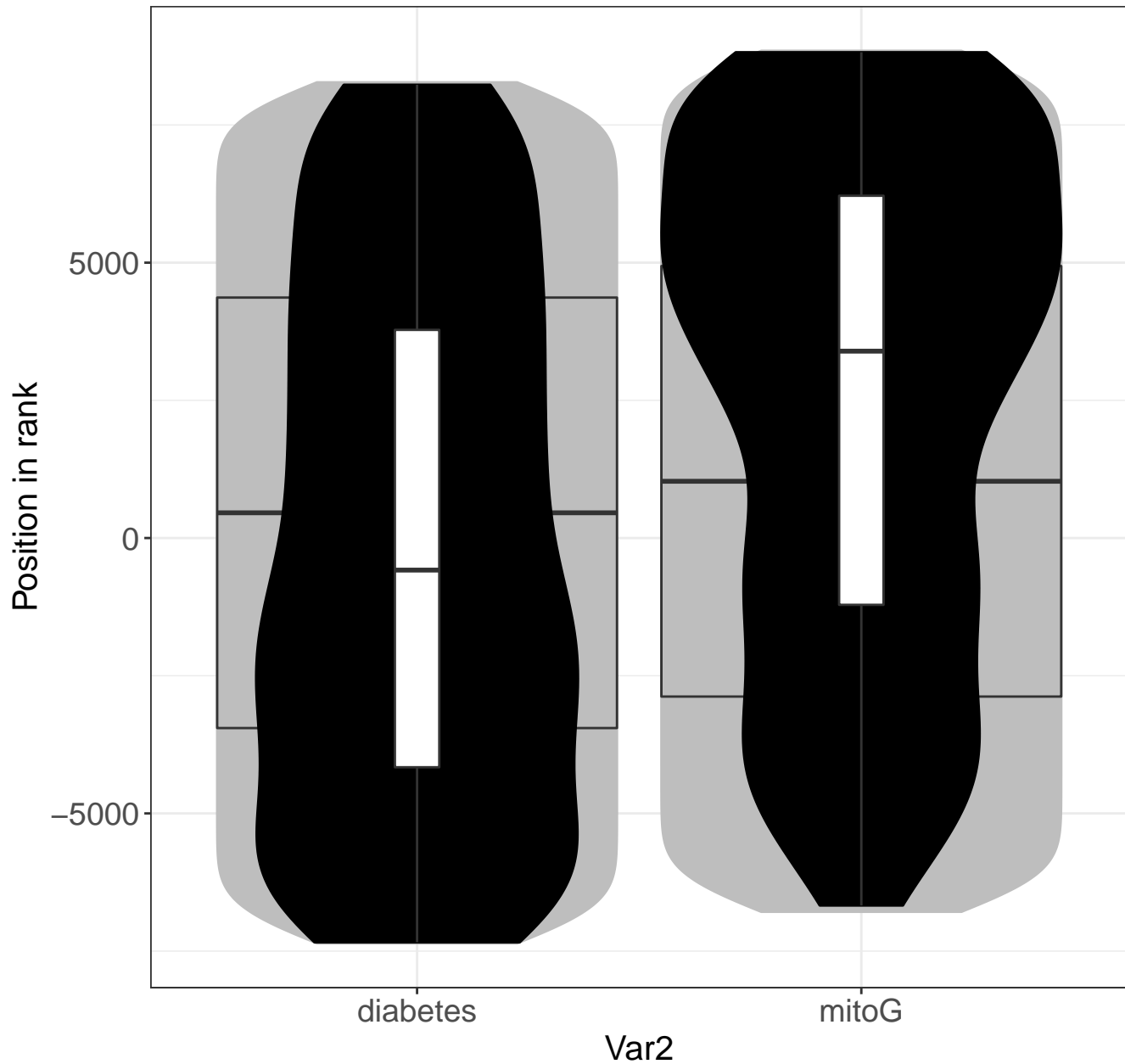
# Signaling by Interleukins



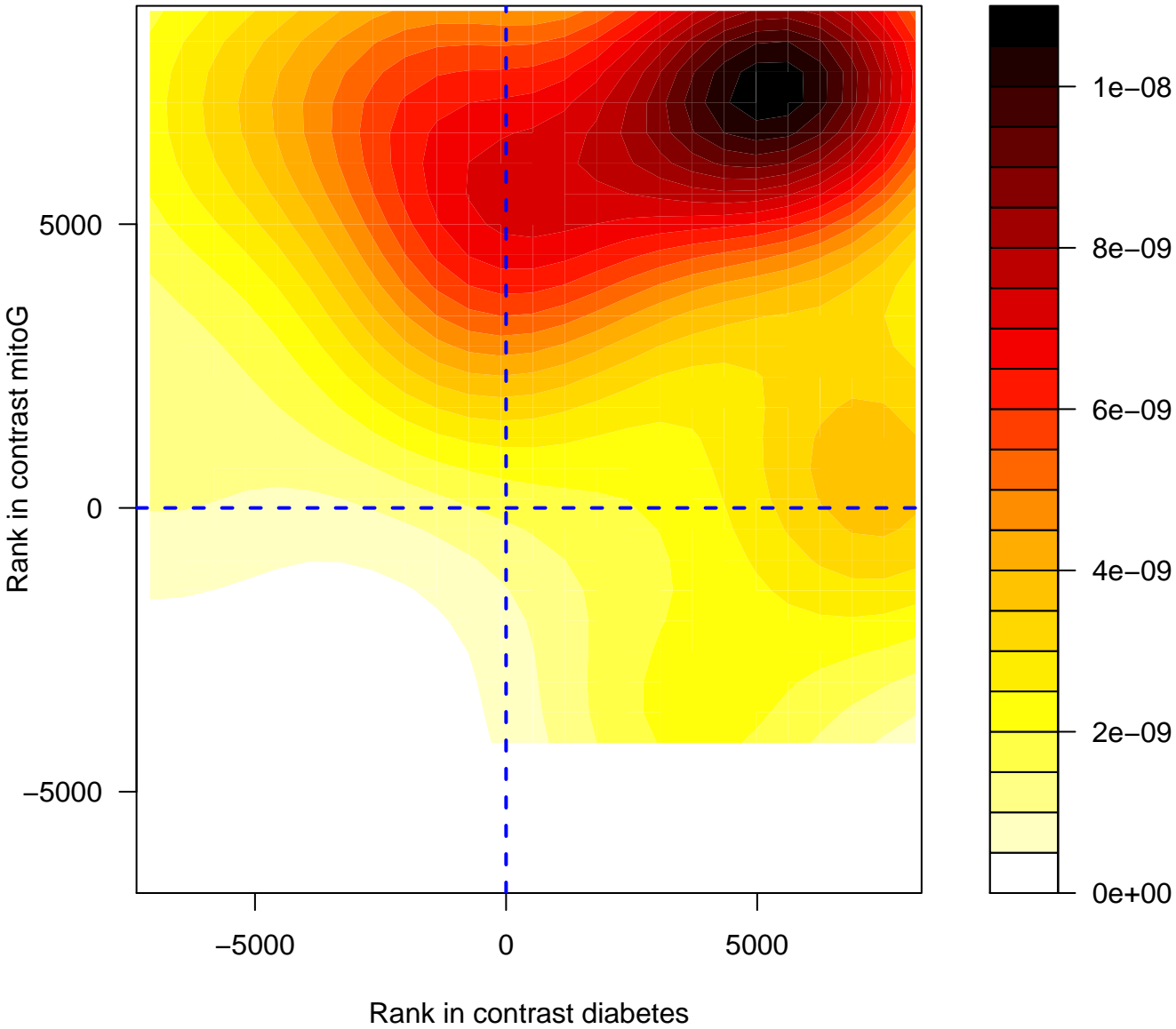
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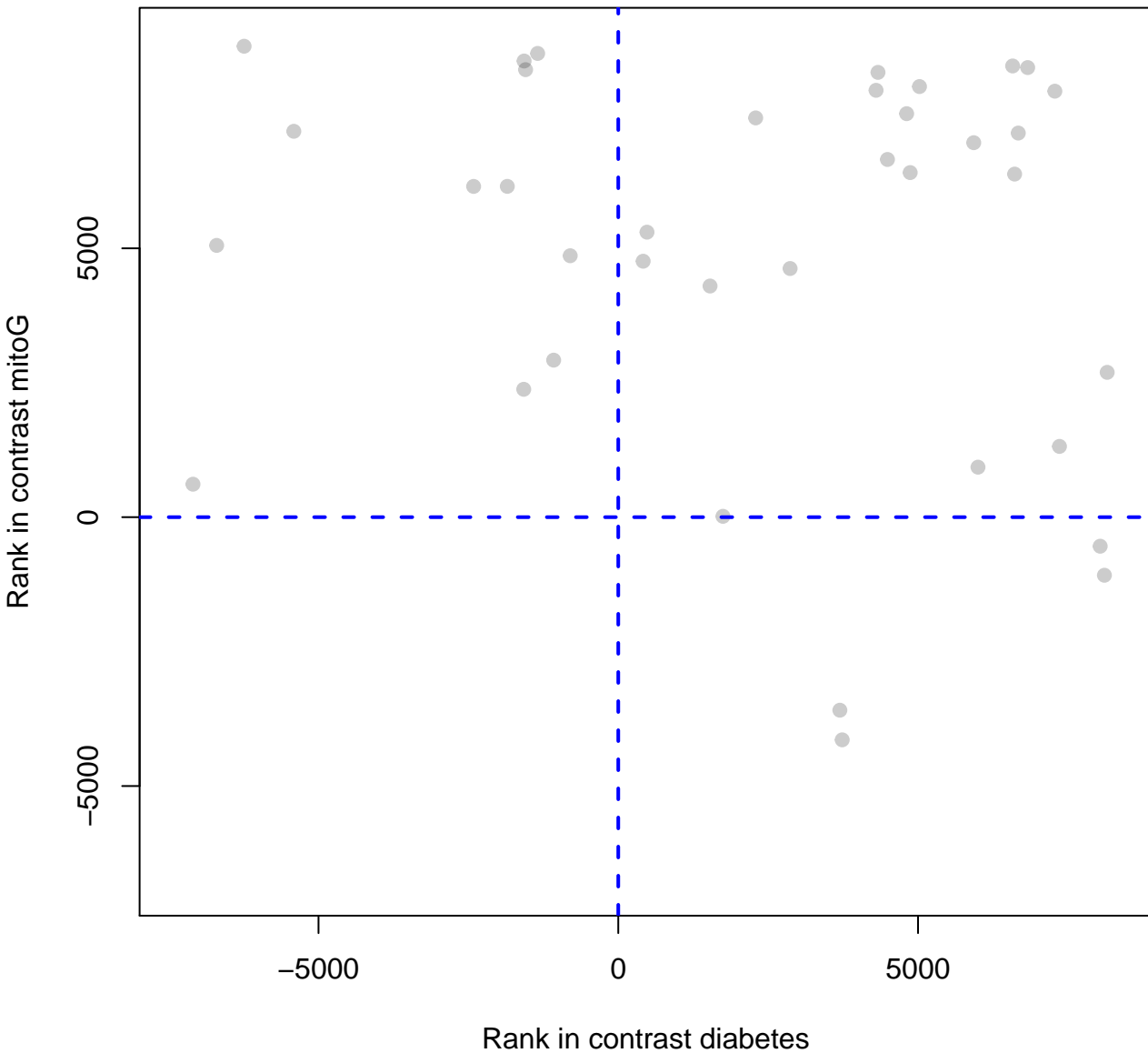
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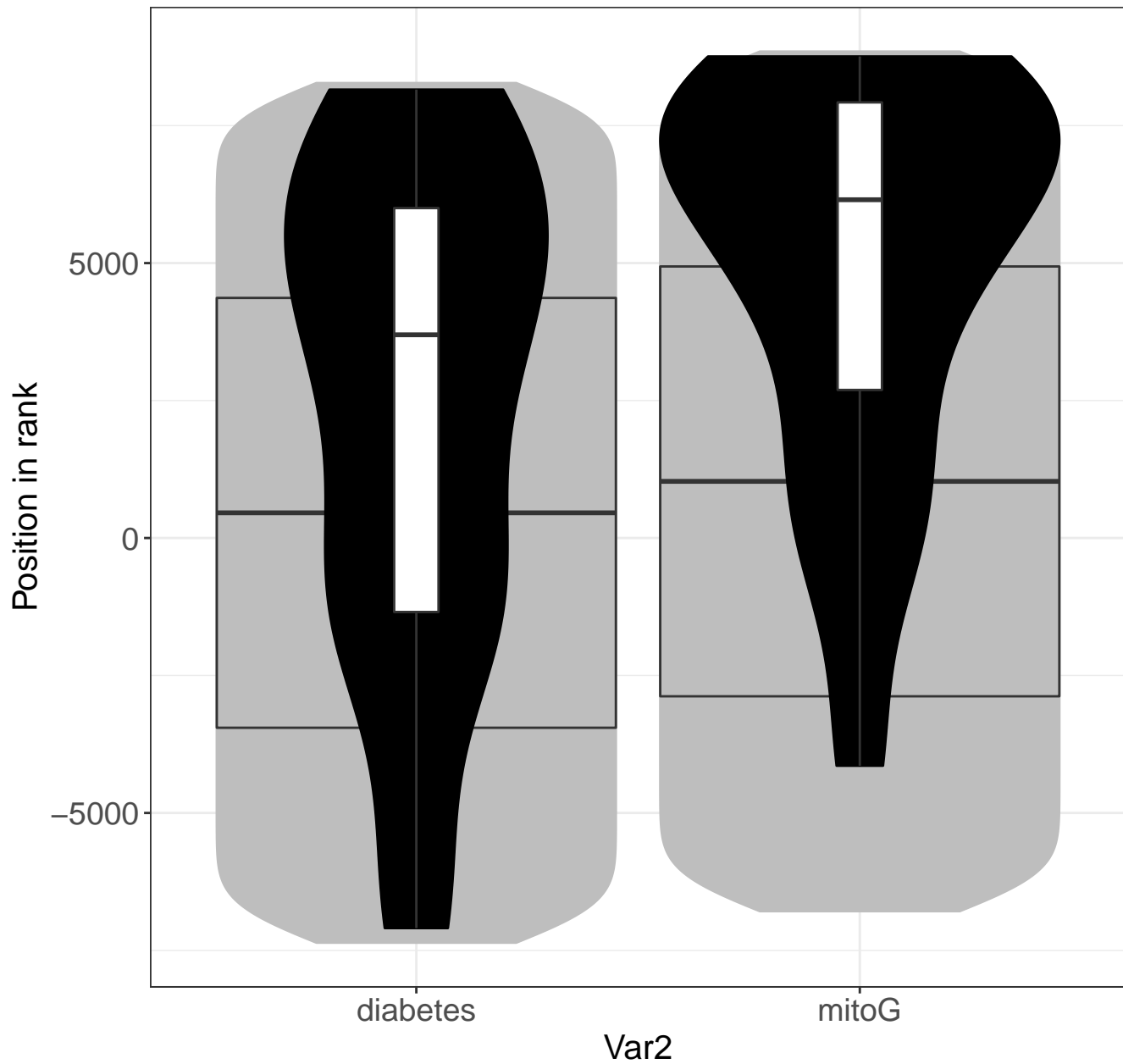
# Elastic fibre formation



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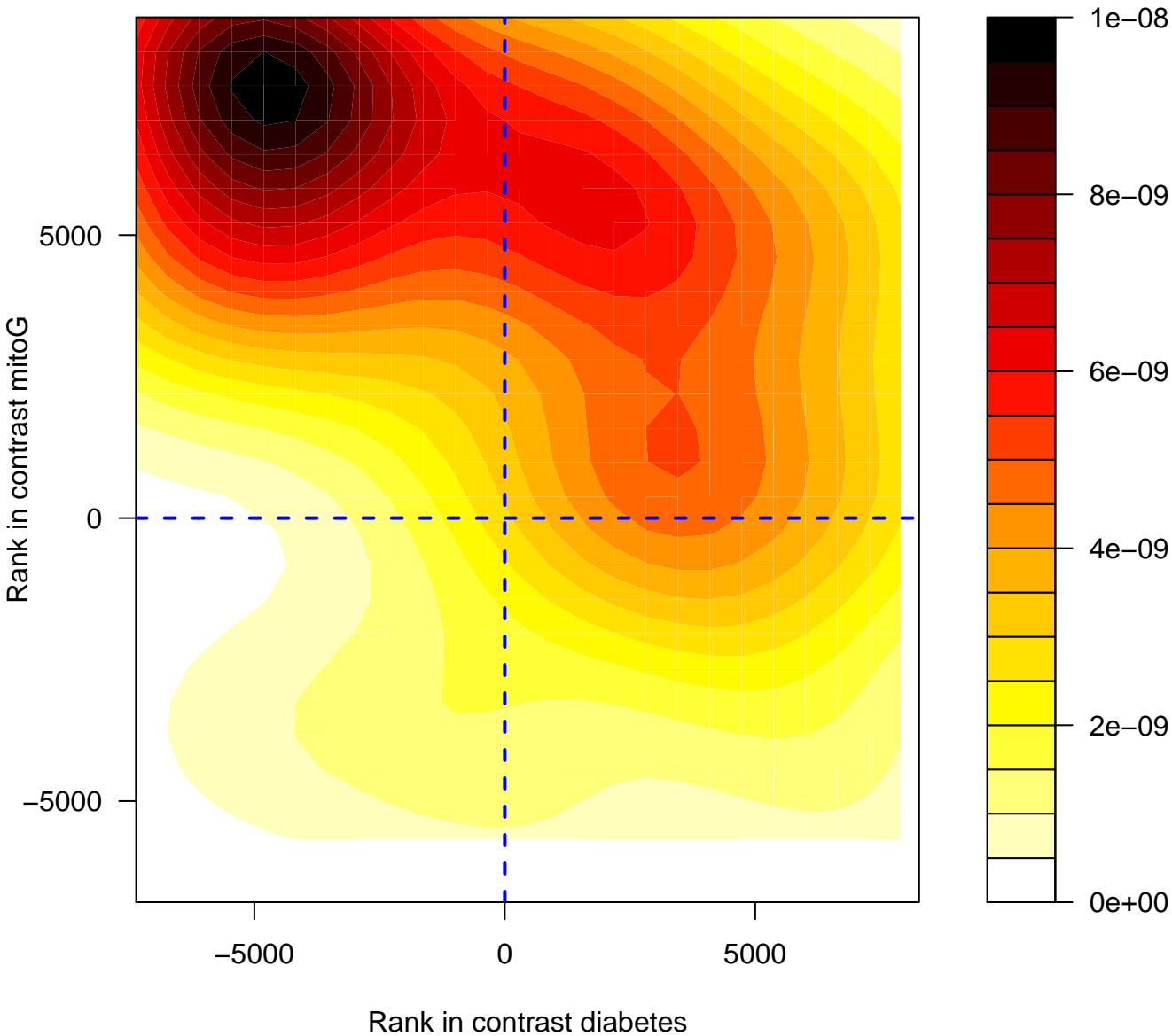


# Elastic fibre formation

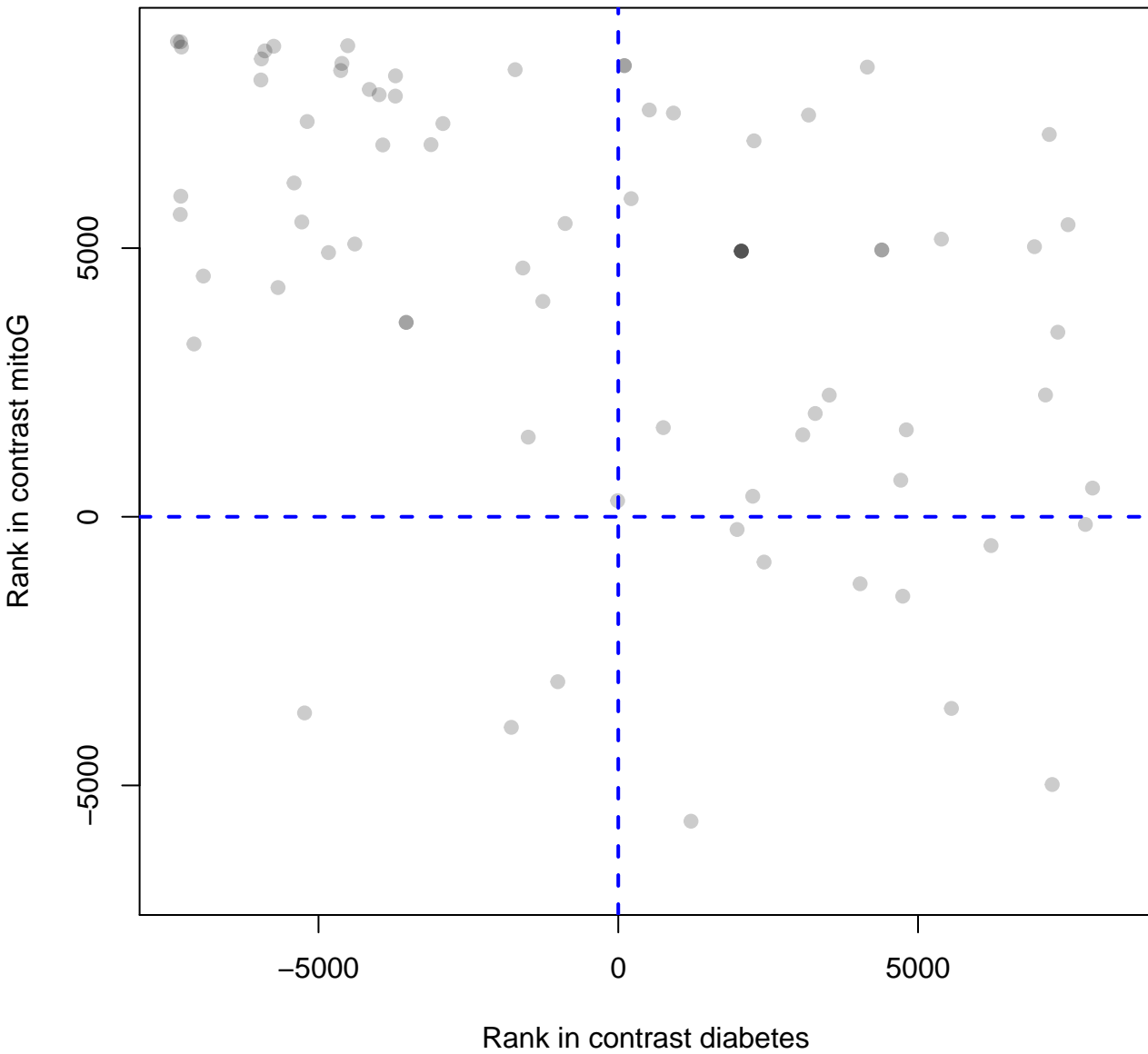




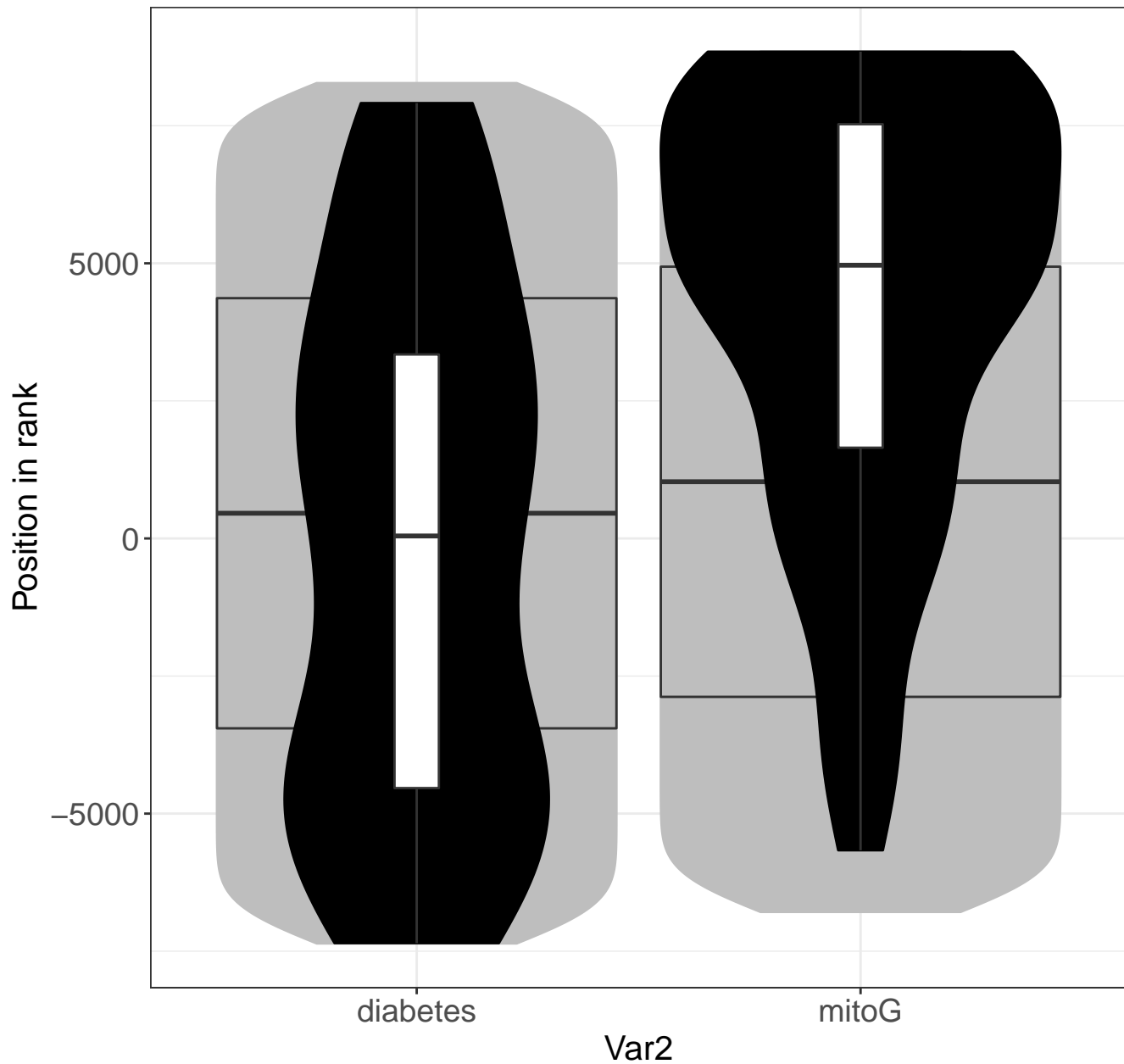
# Regulation of actin dynamics for phagocytic cup formation



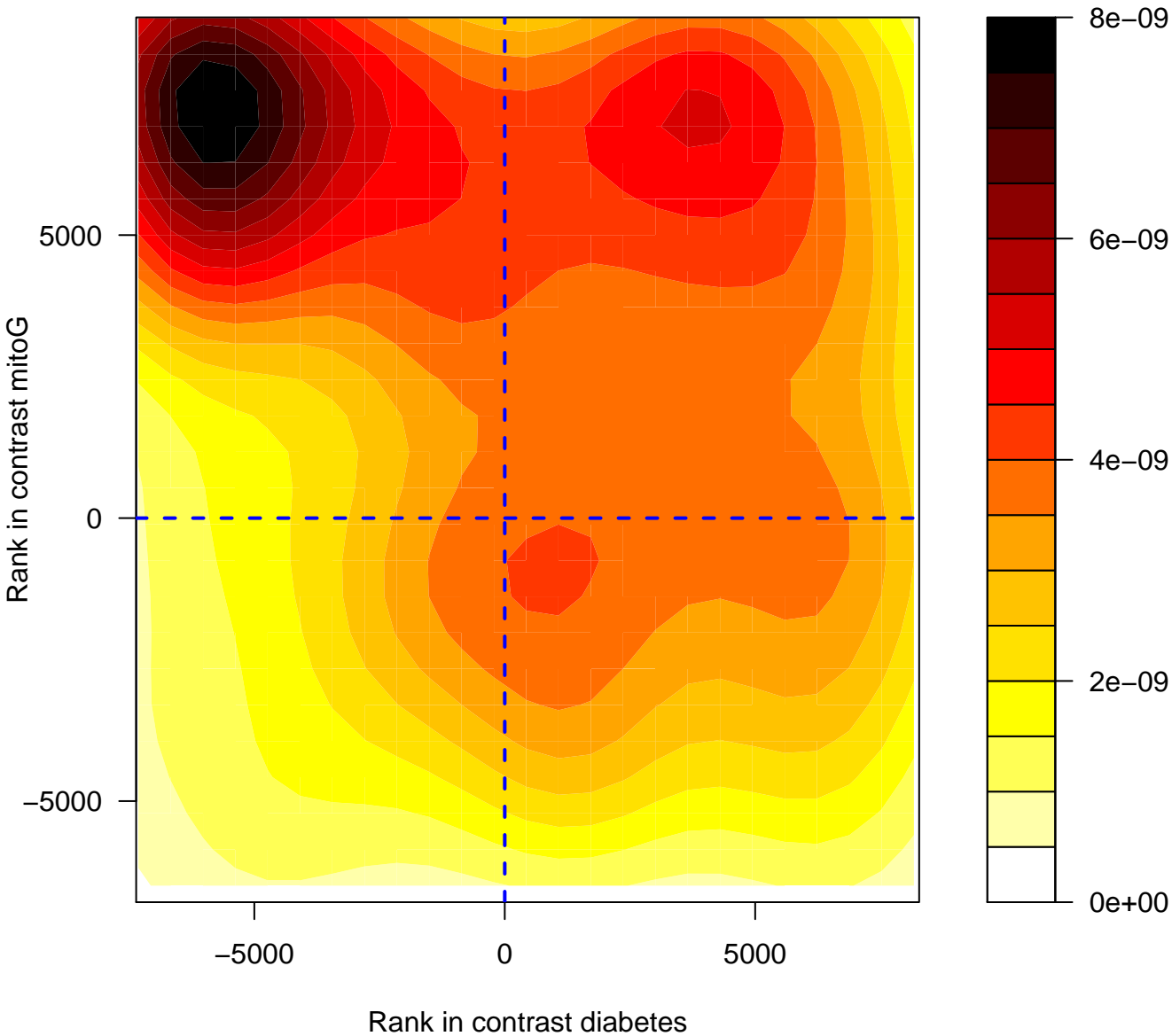
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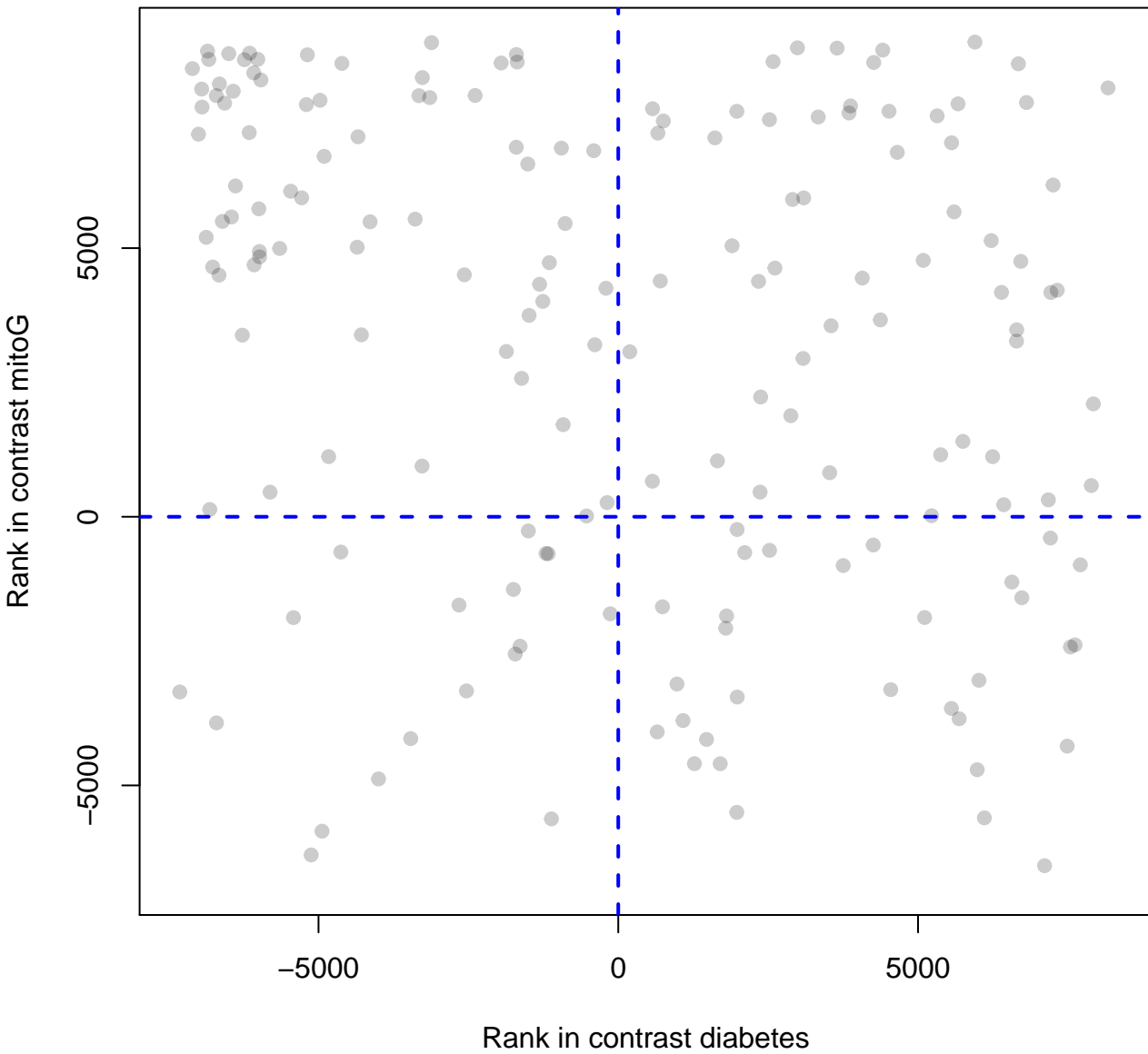
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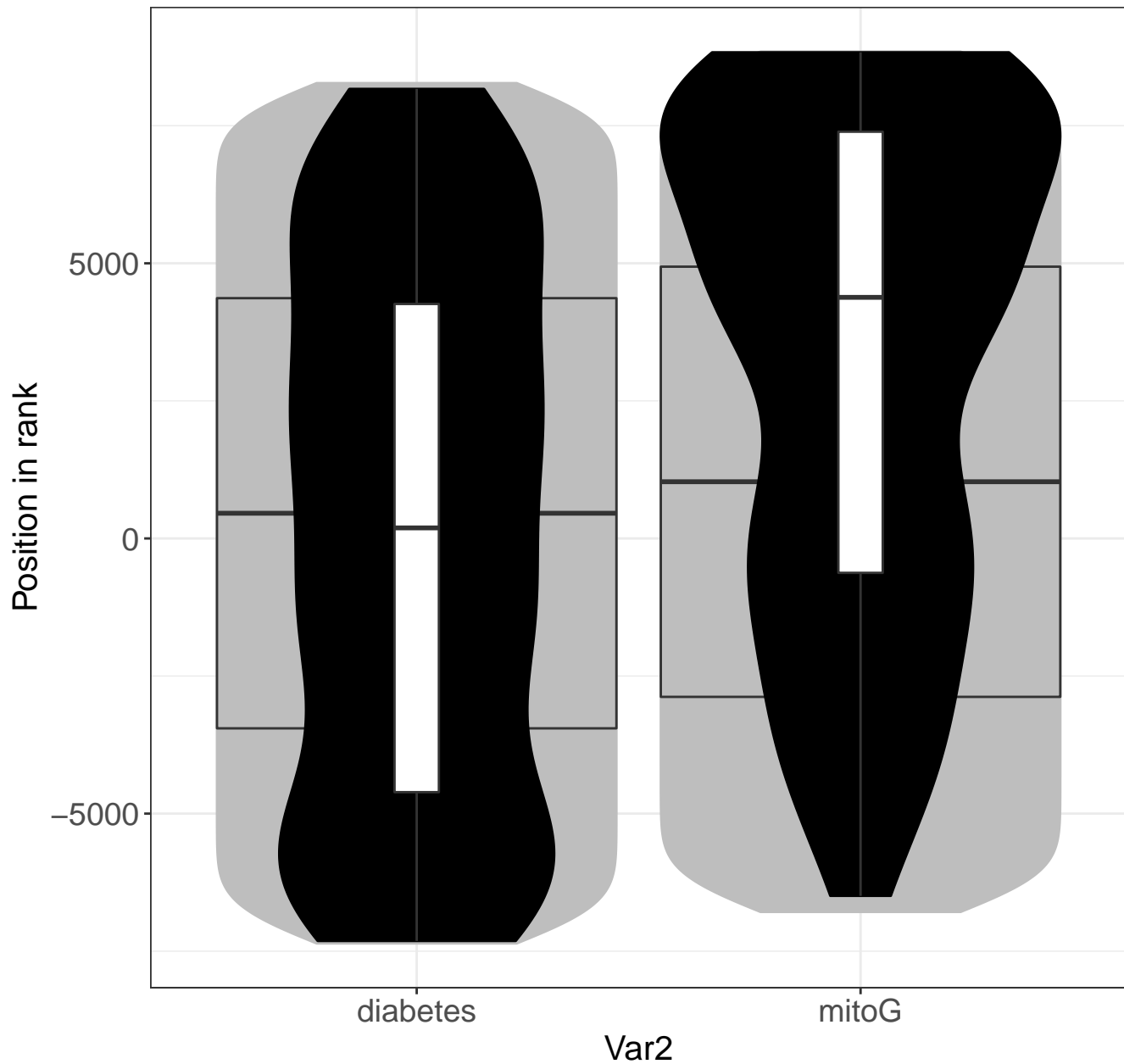
# Signaling by ROBO receptors



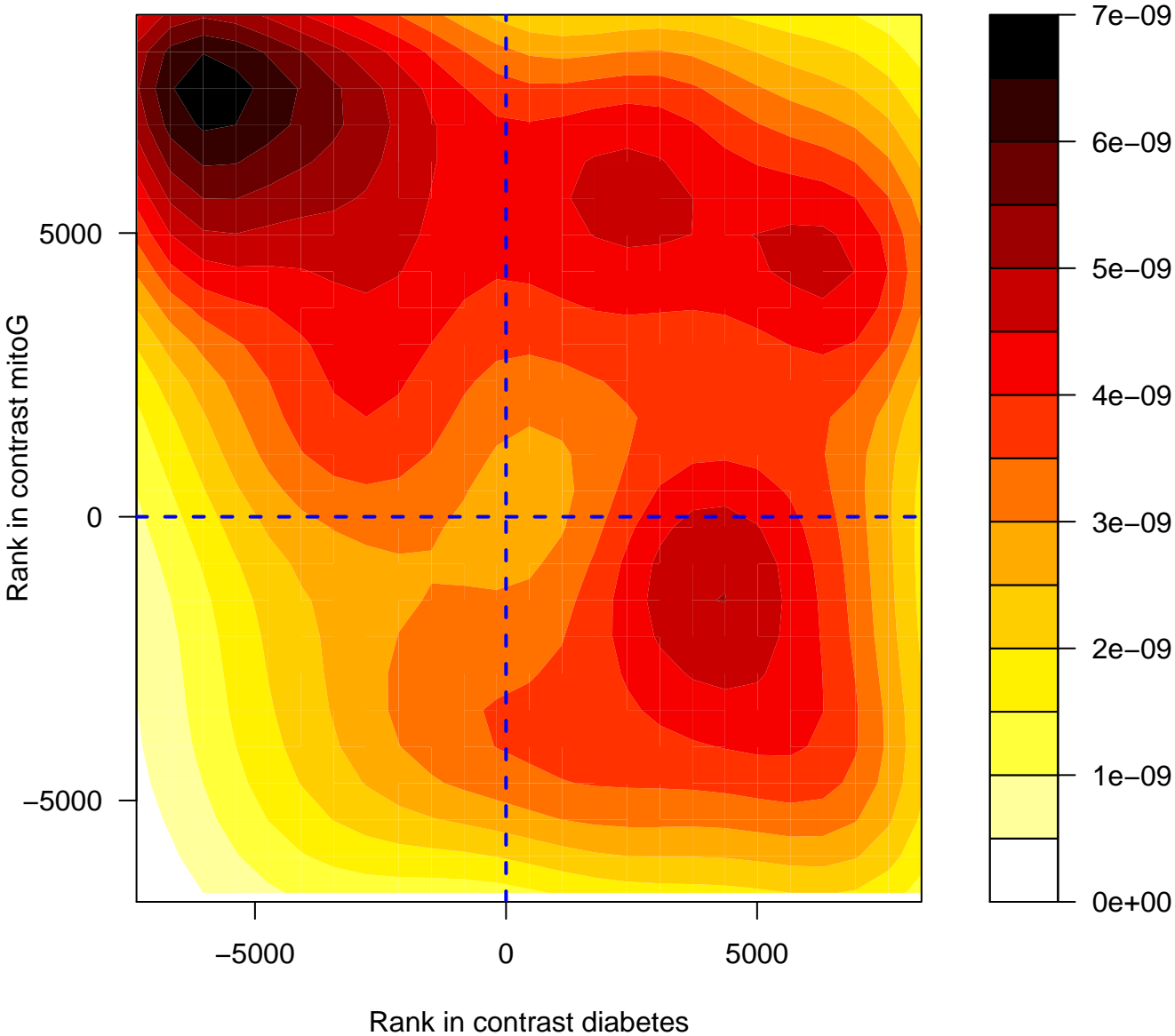
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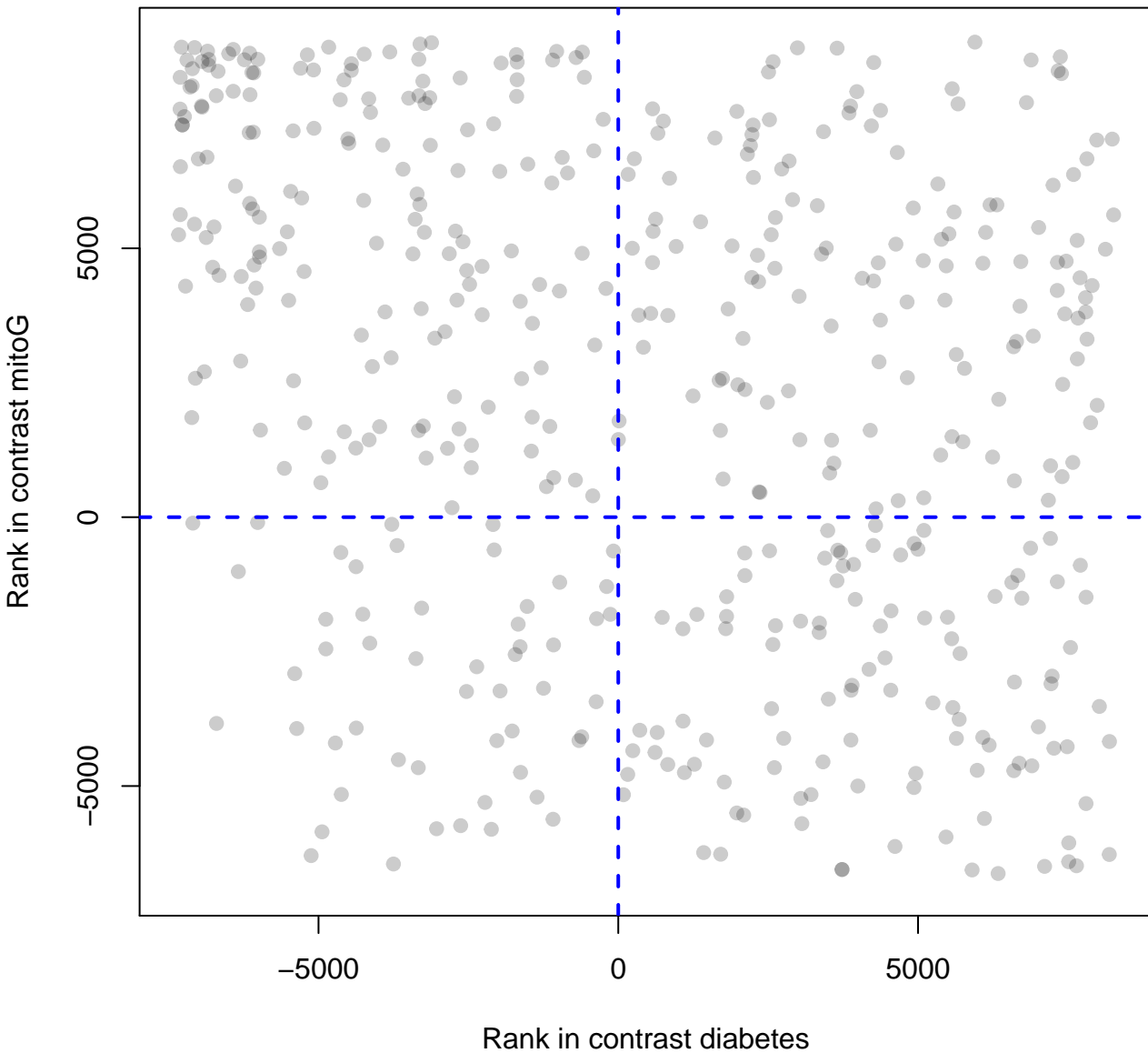
# Signaling by ROBO receptors



# Cellular responses to external stimuli

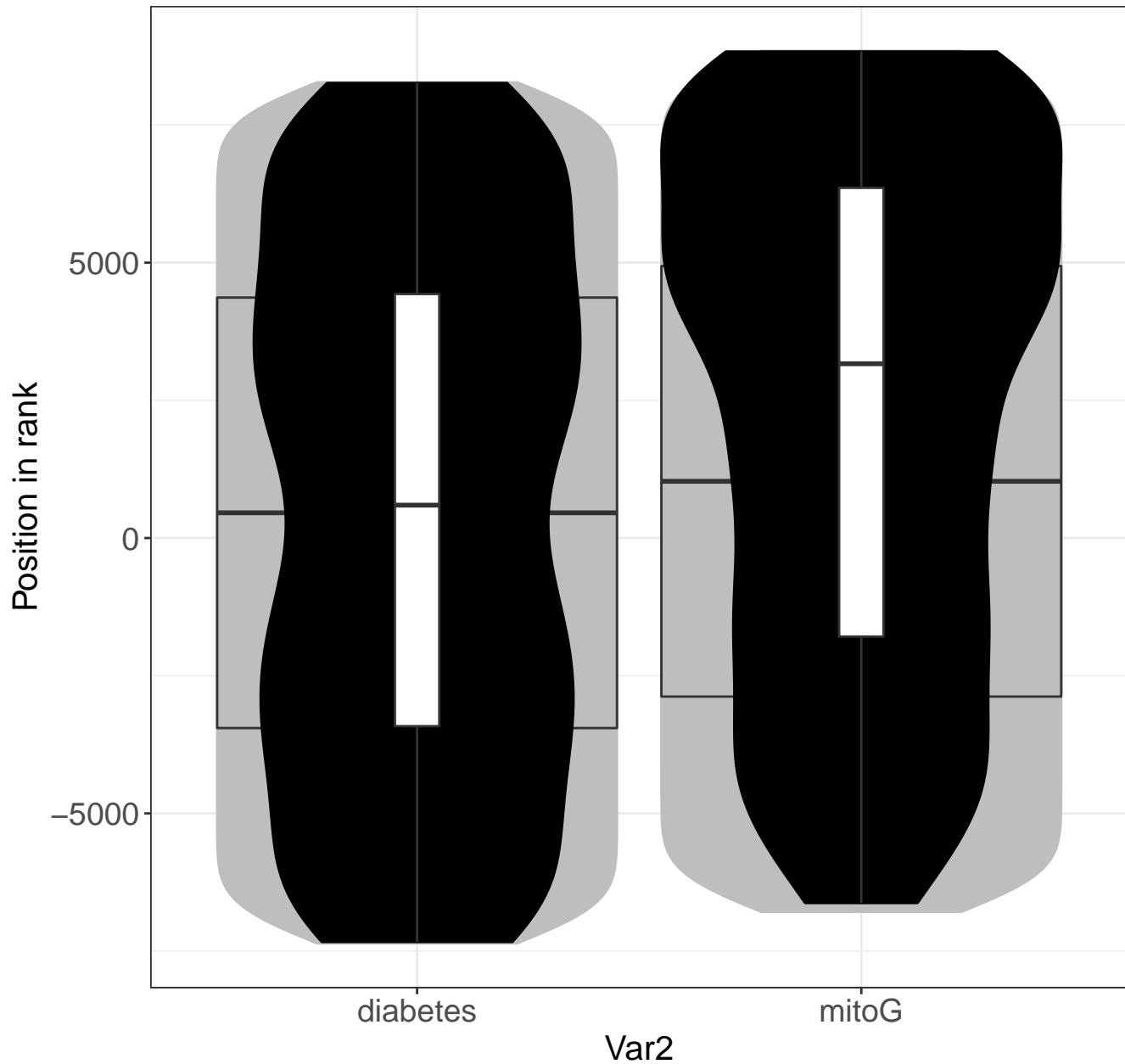


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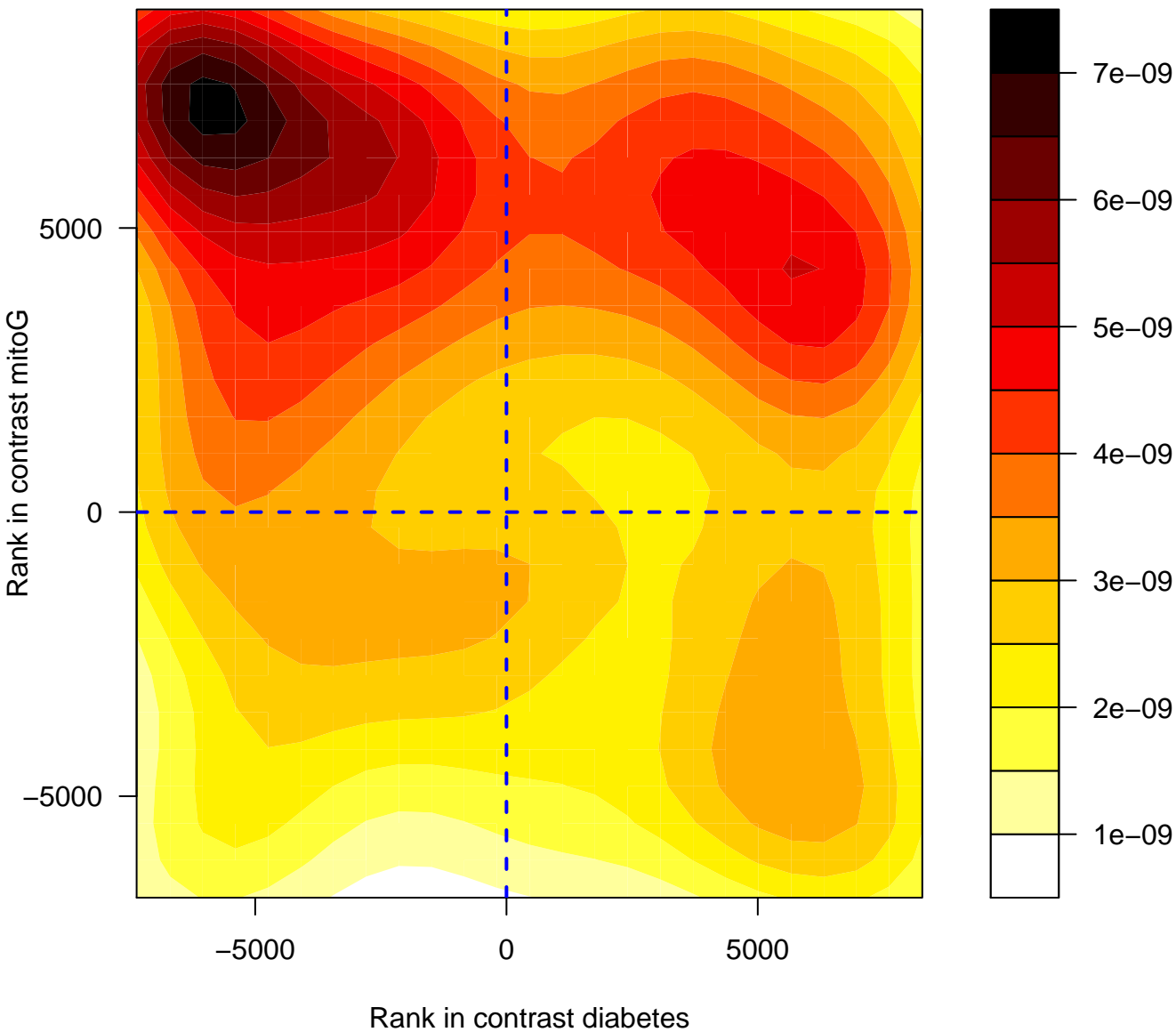




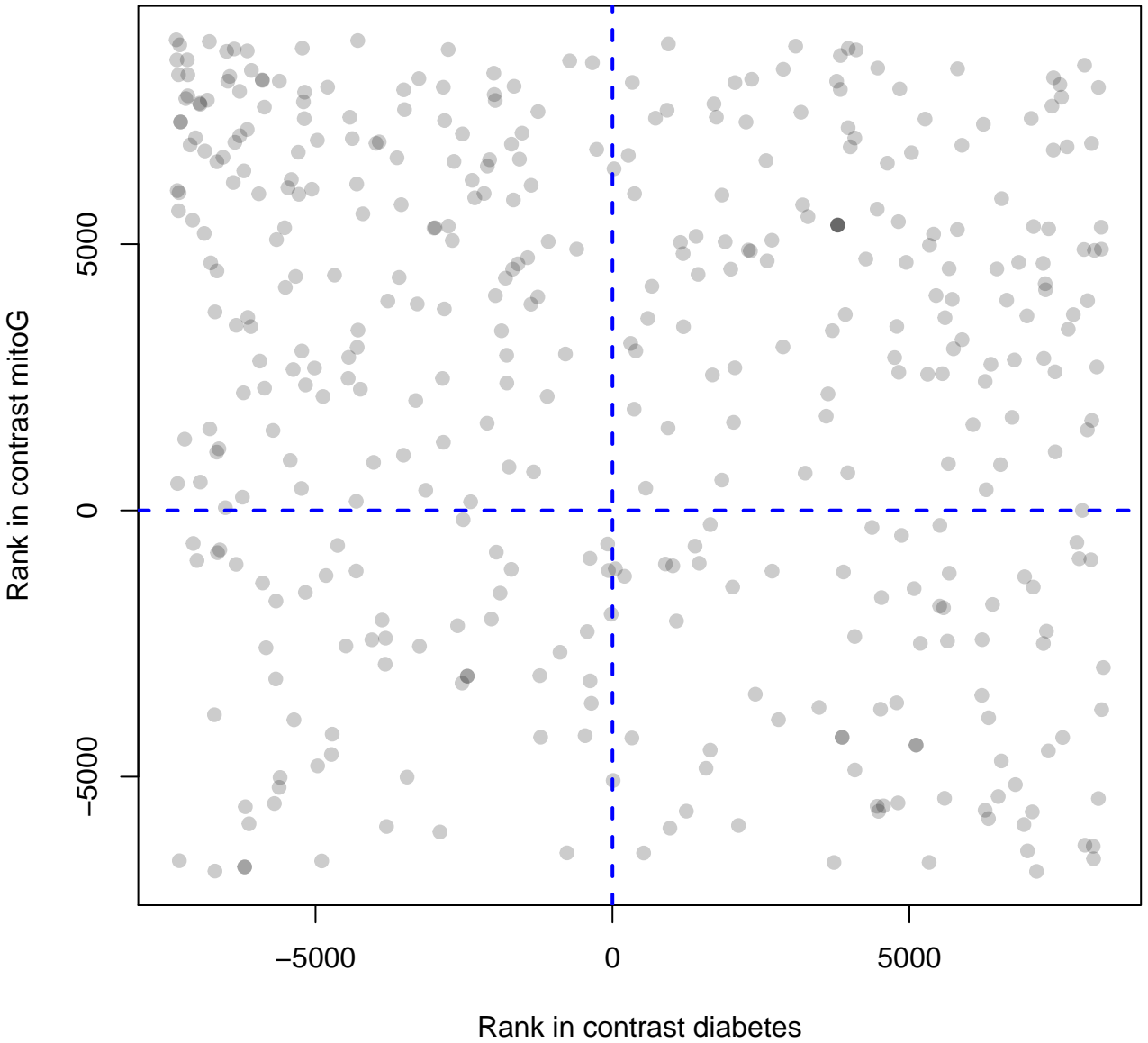
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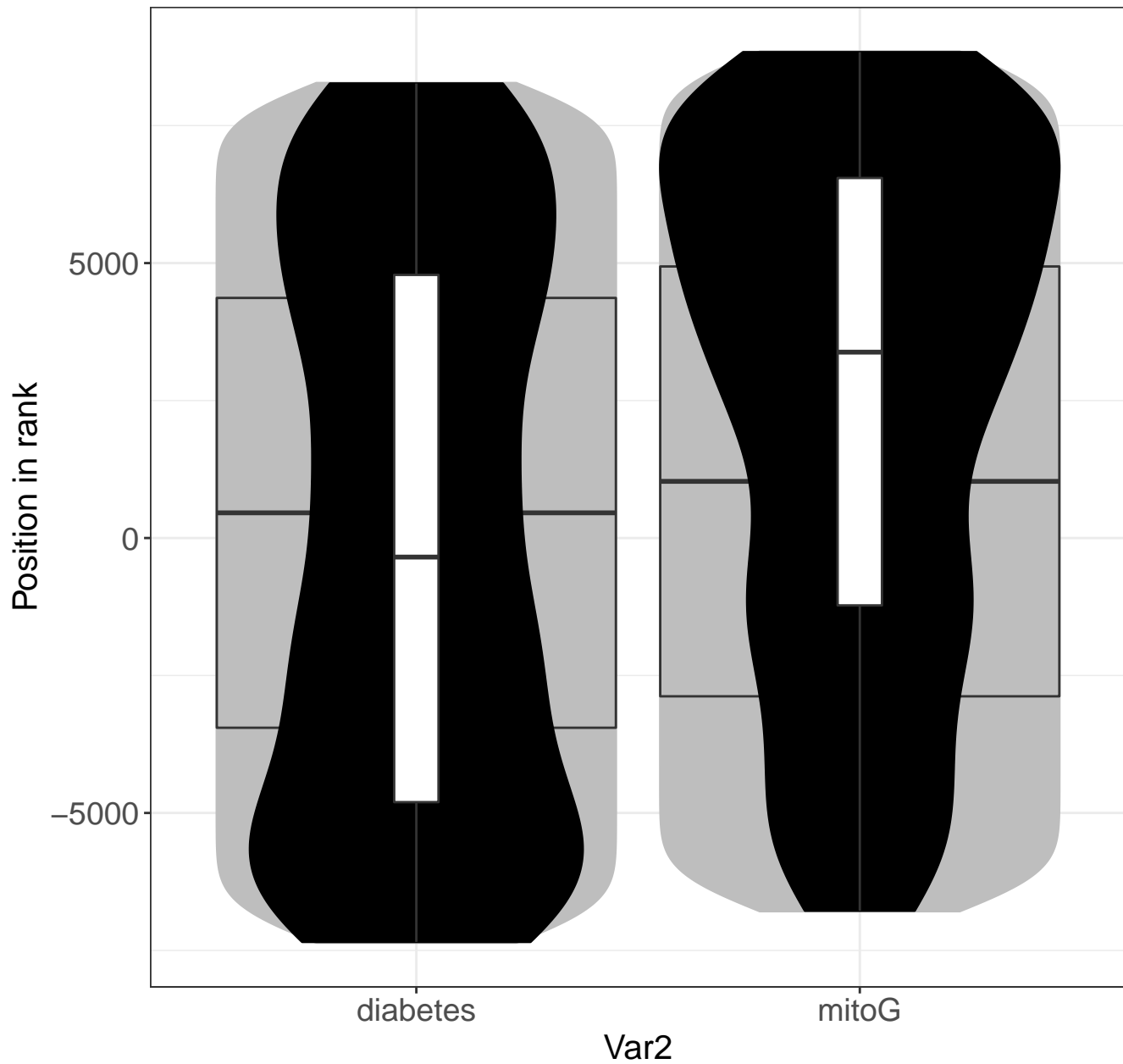
# Neutrophil degranulation



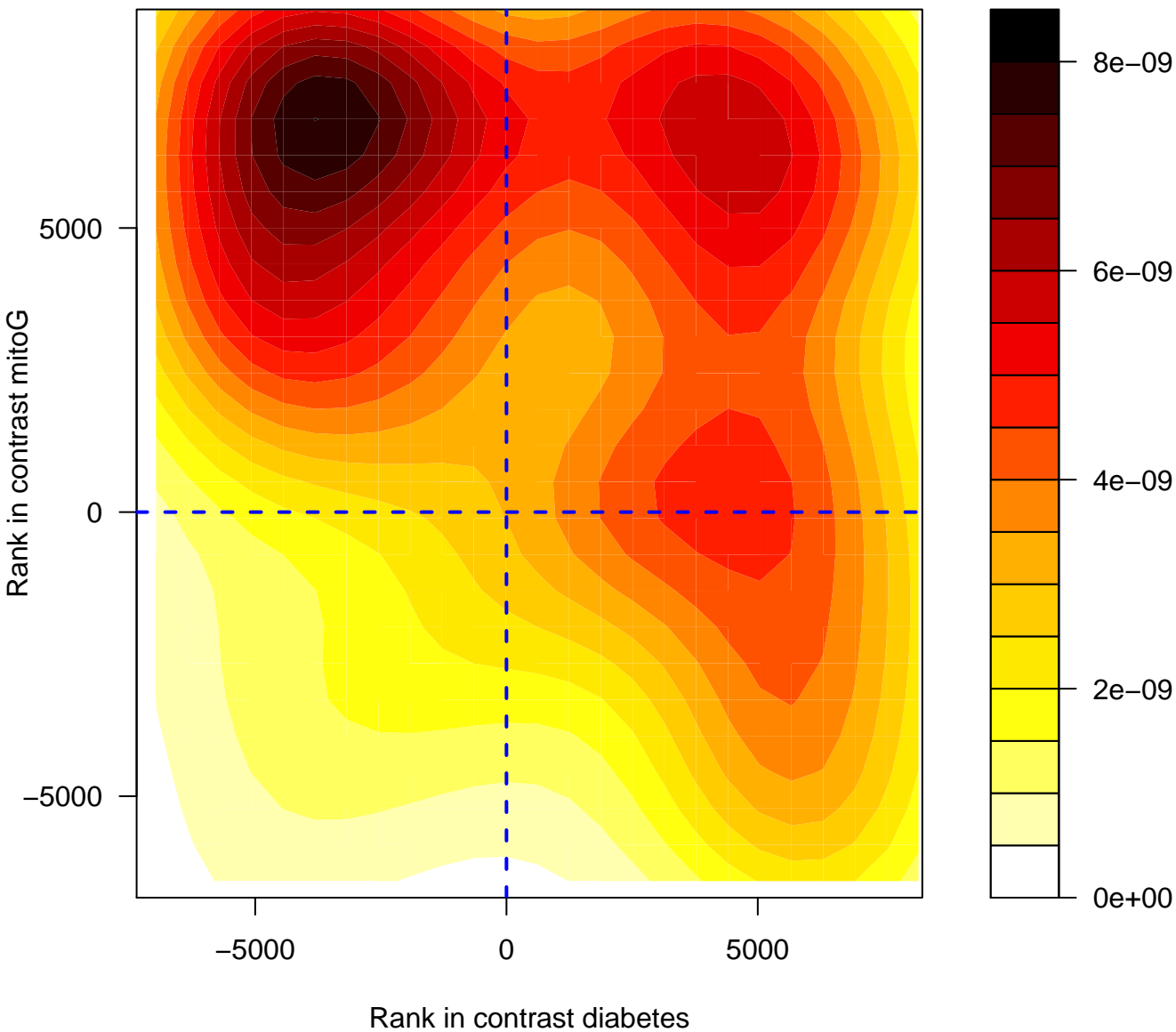
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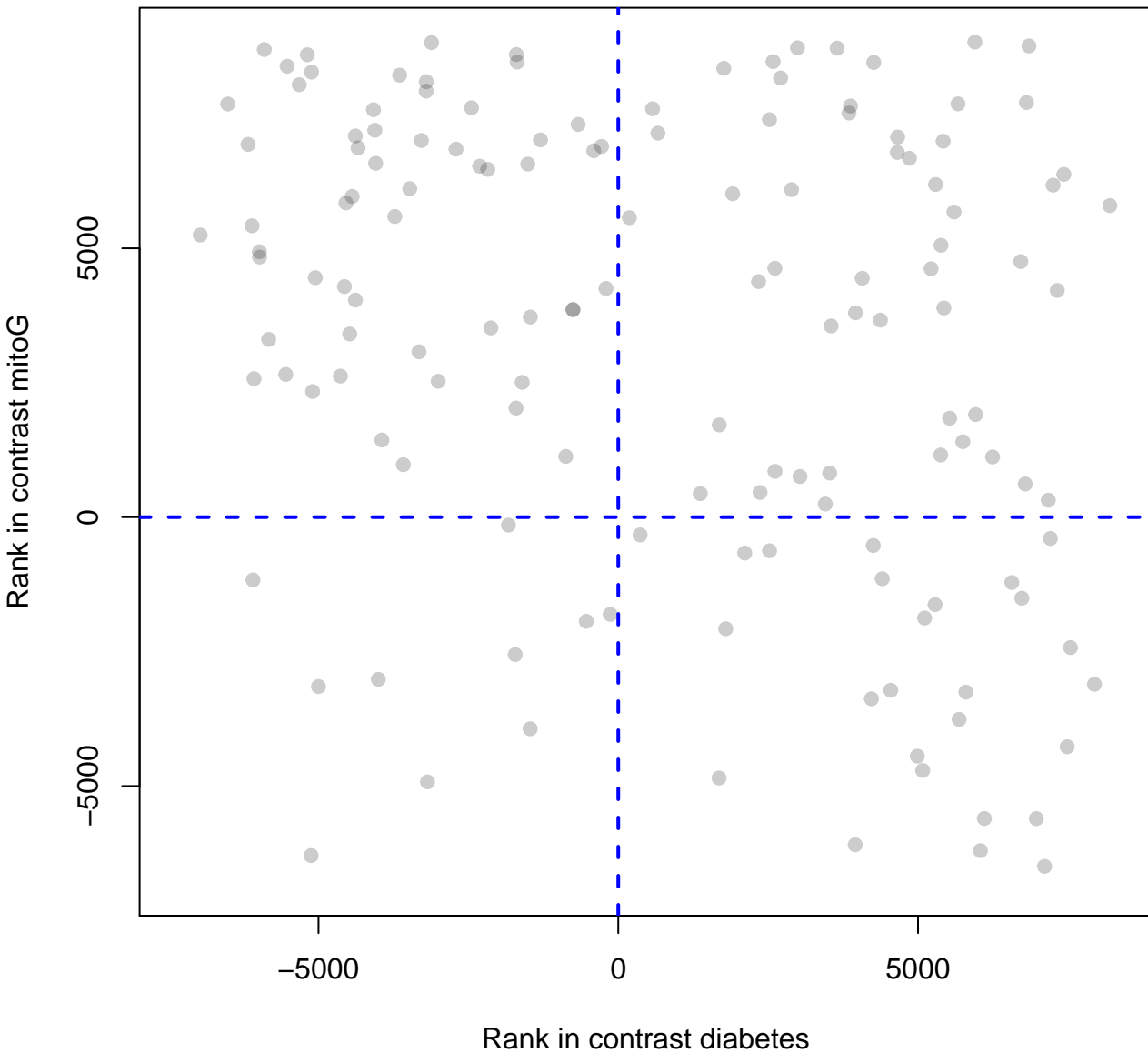
# Neutrophil degranulation



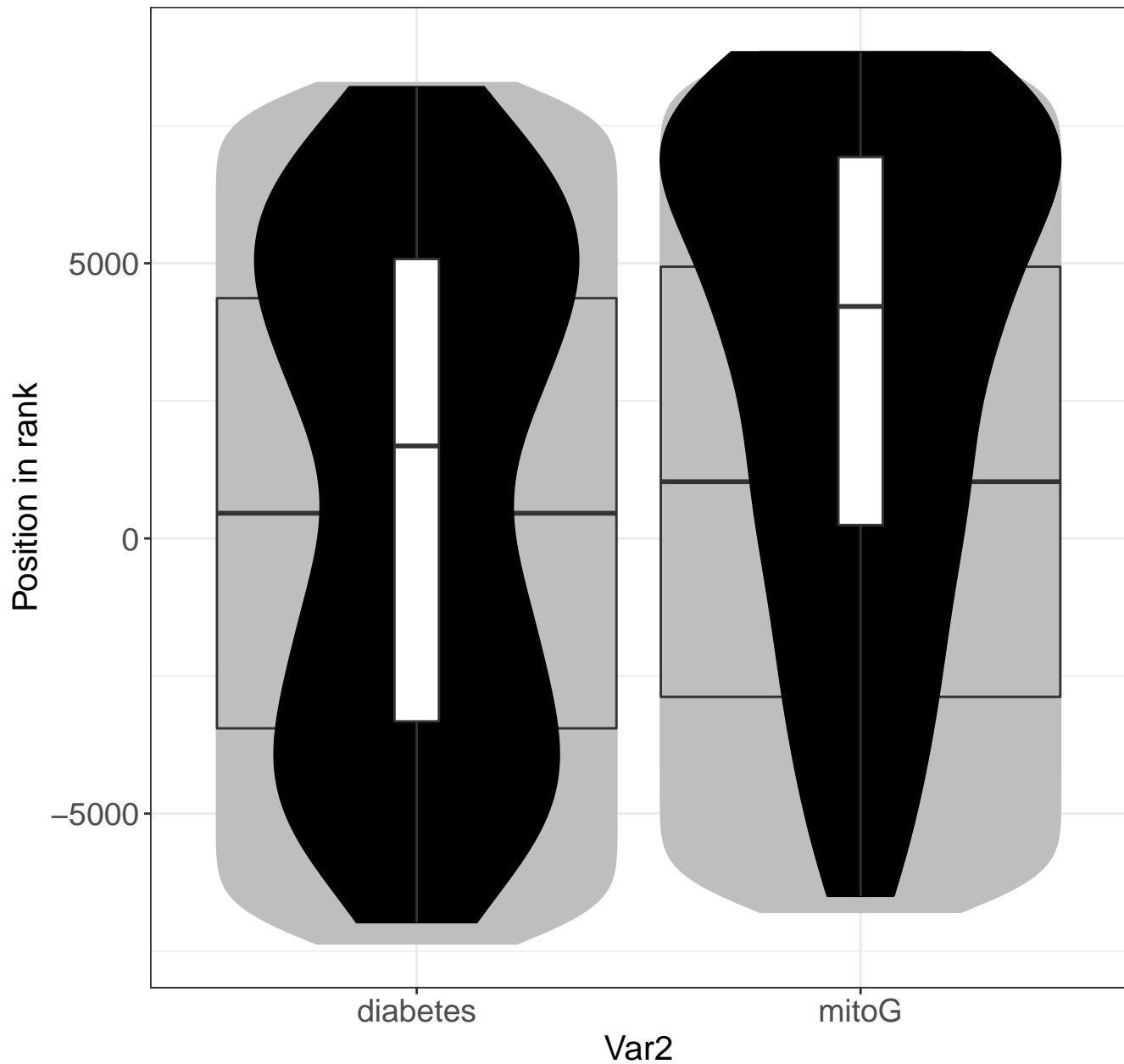
# Major pathway of rRNA processing in the nucleolus and cytoplasm



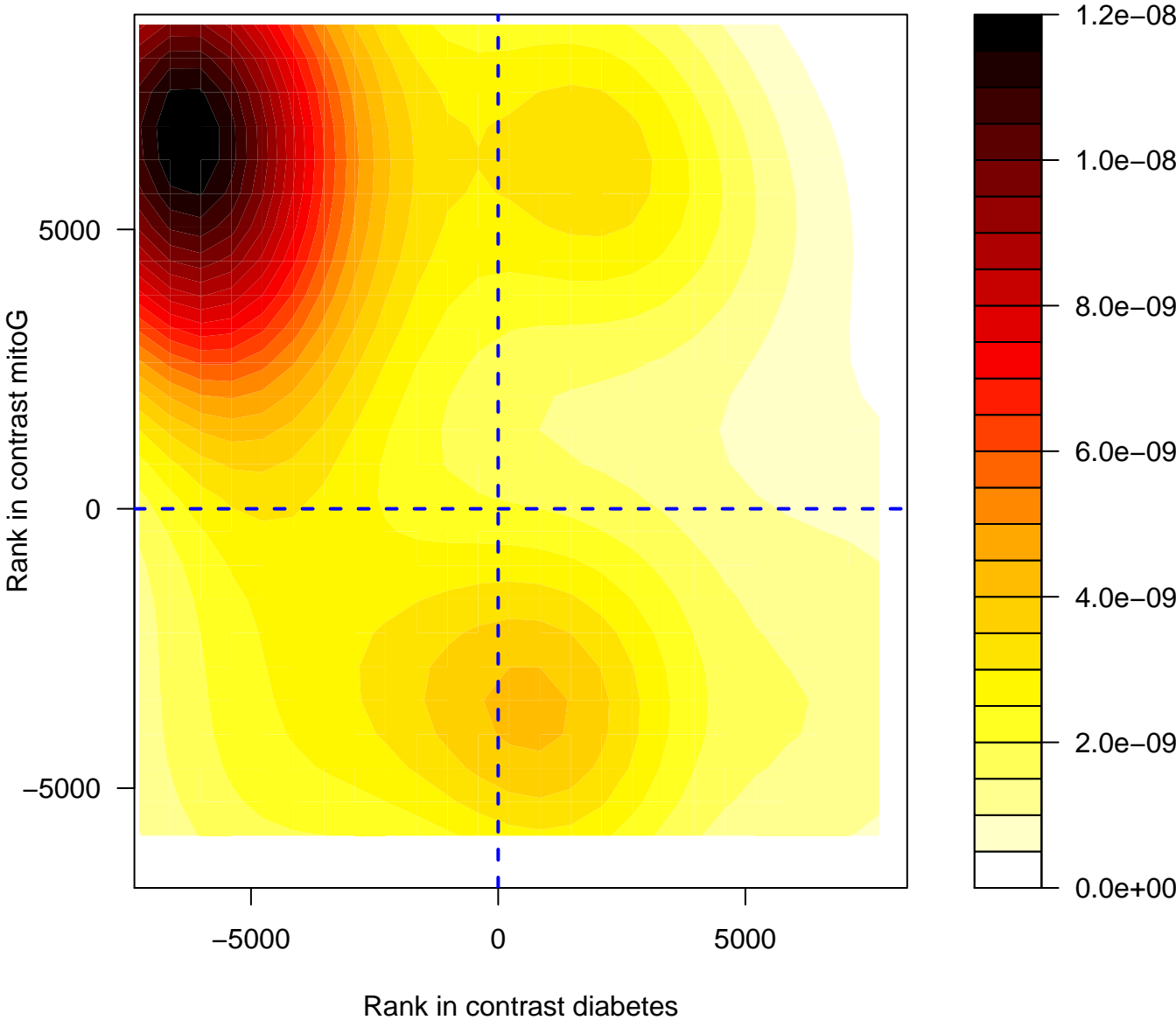
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# Major pathway of rRNA processing in the nucleolus

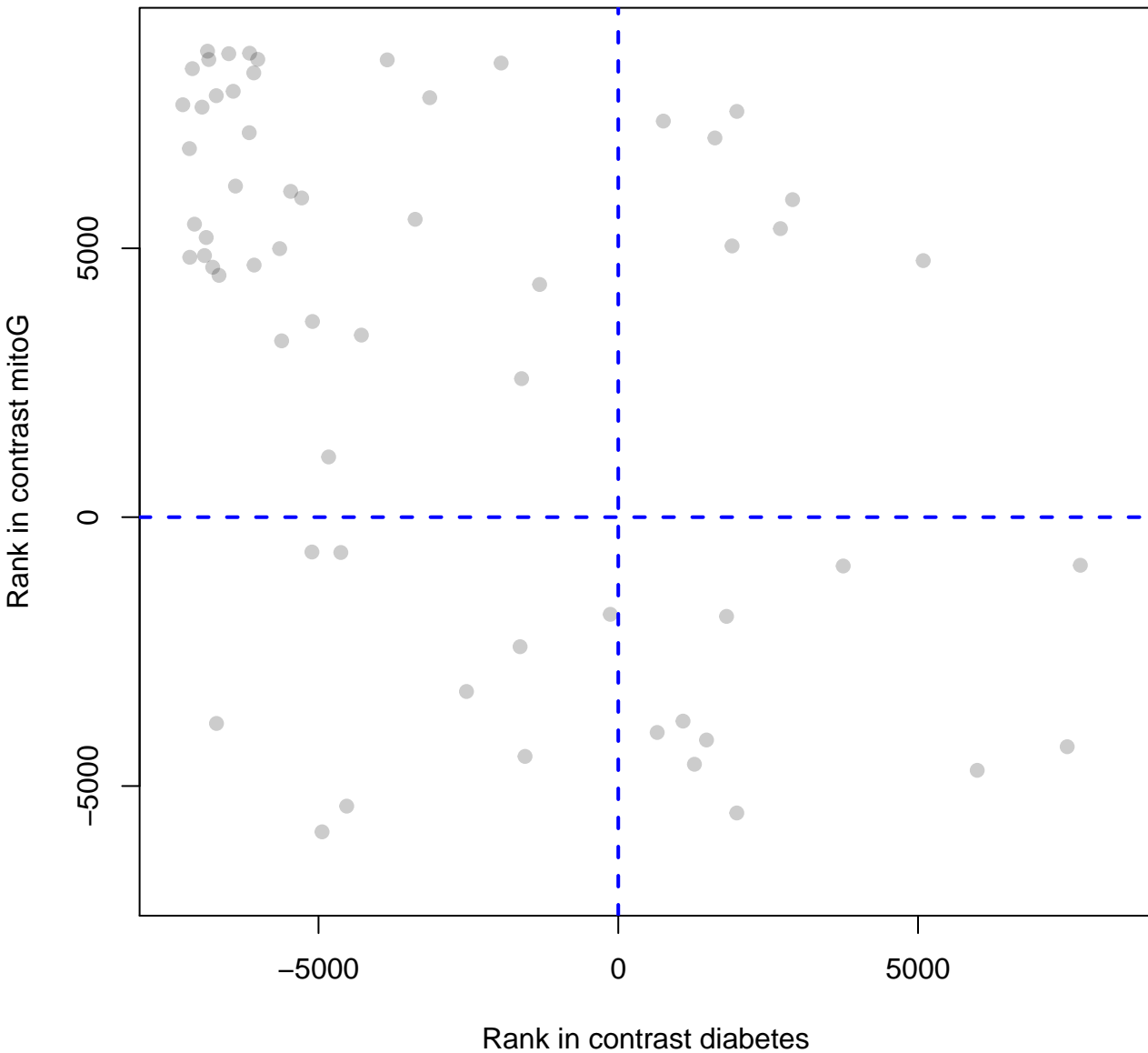


## Defective CFTR causes cystic fibrosis

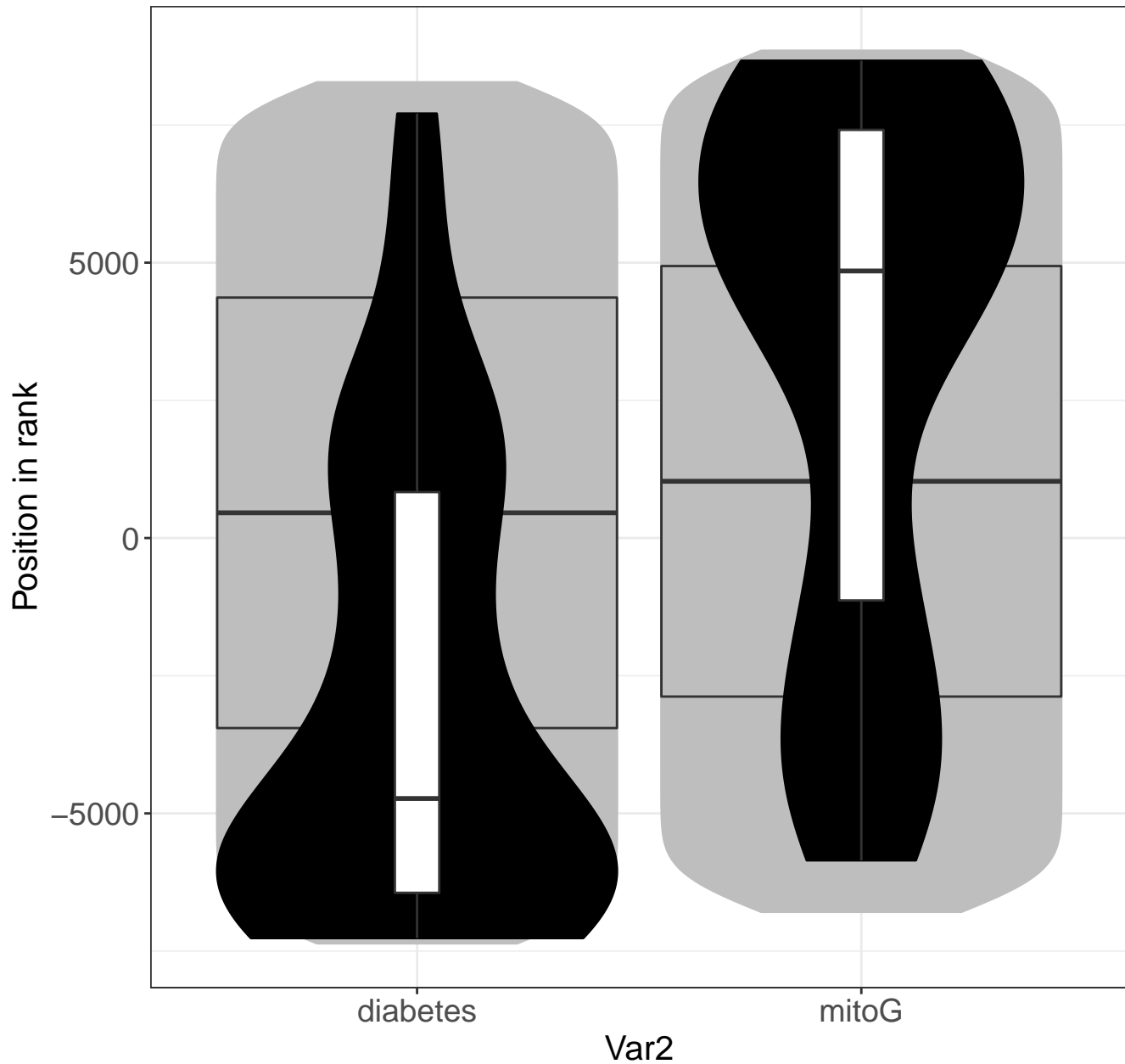




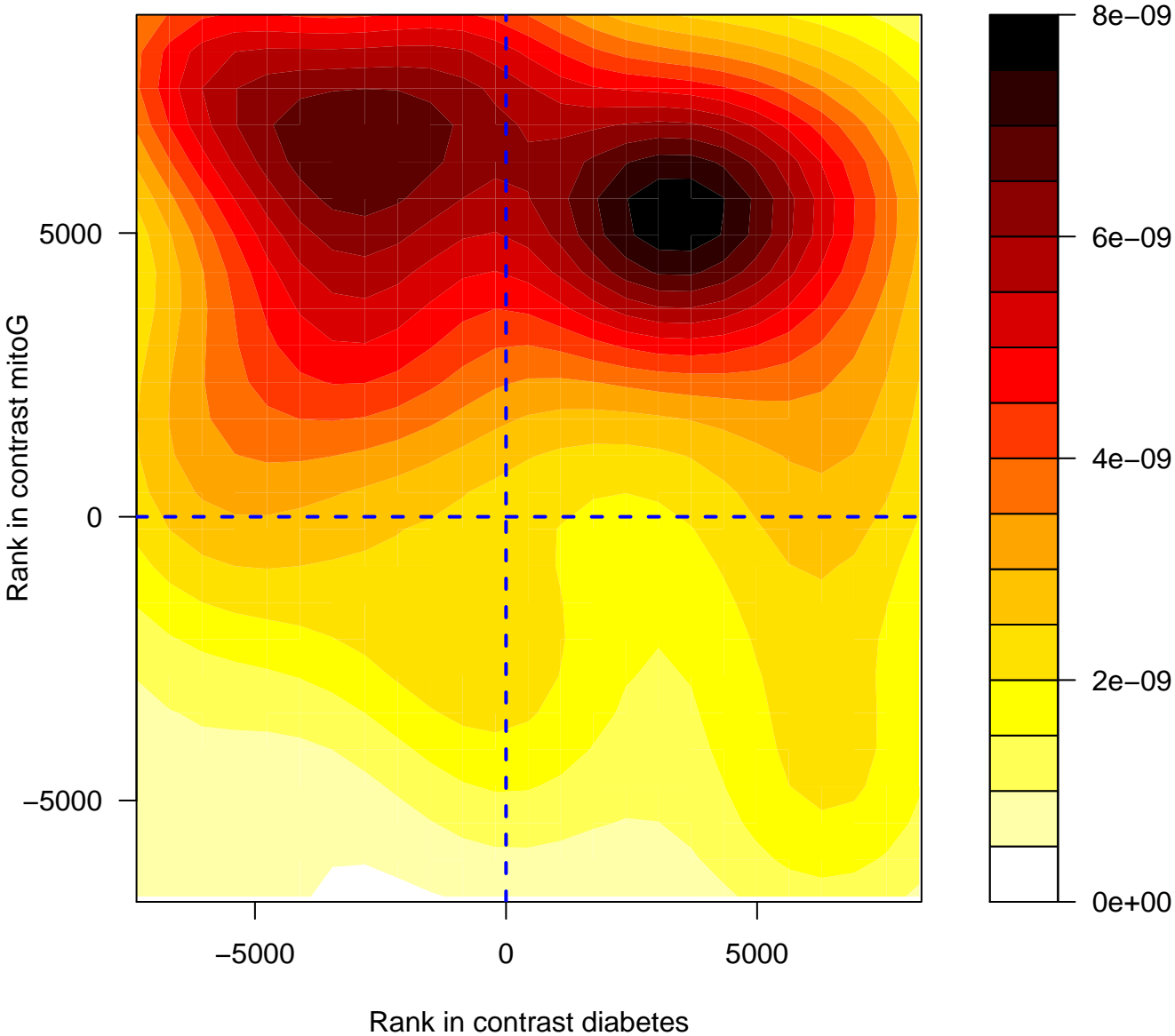
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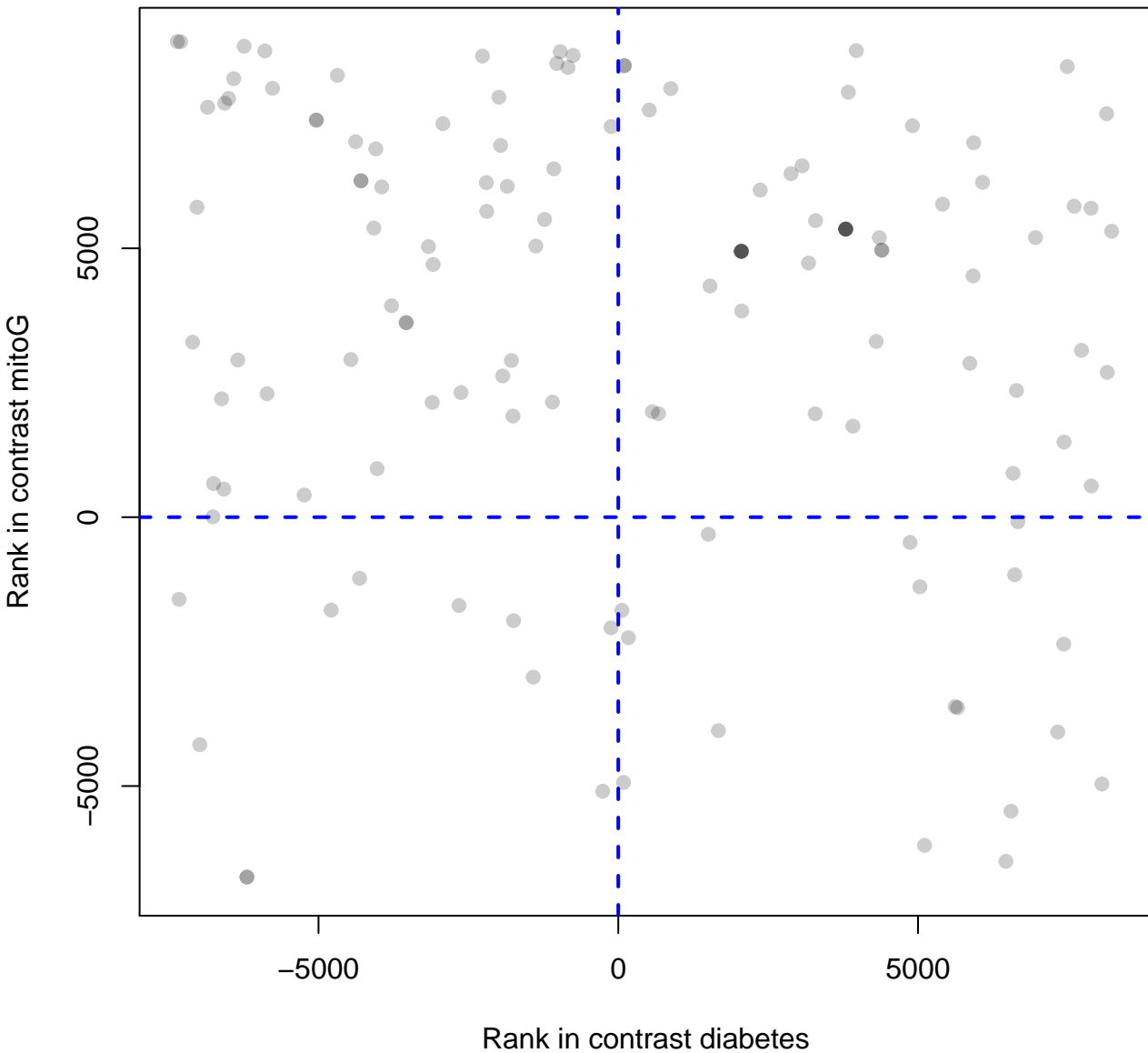
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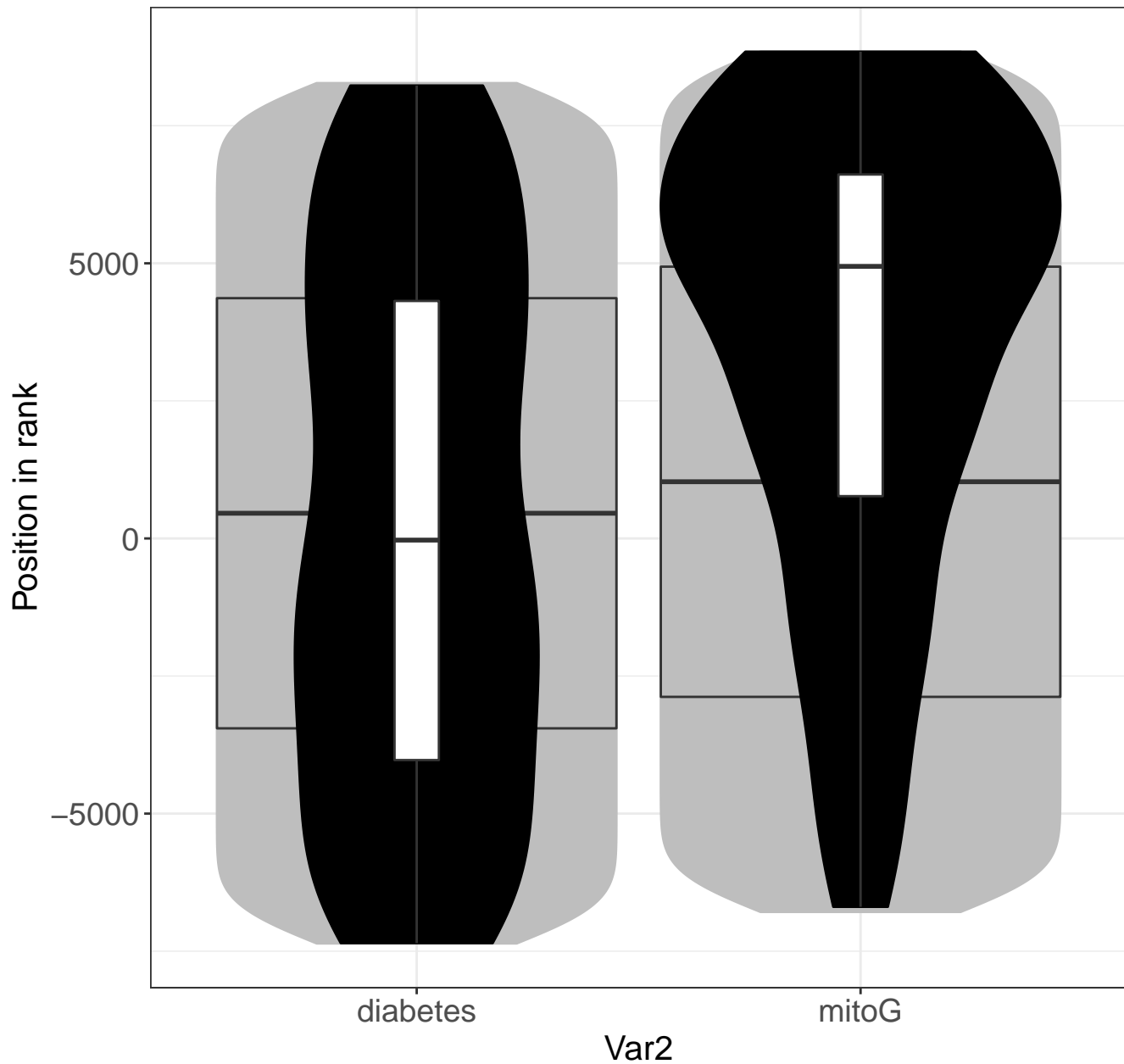
# Cell surface interactions at the vascular wall



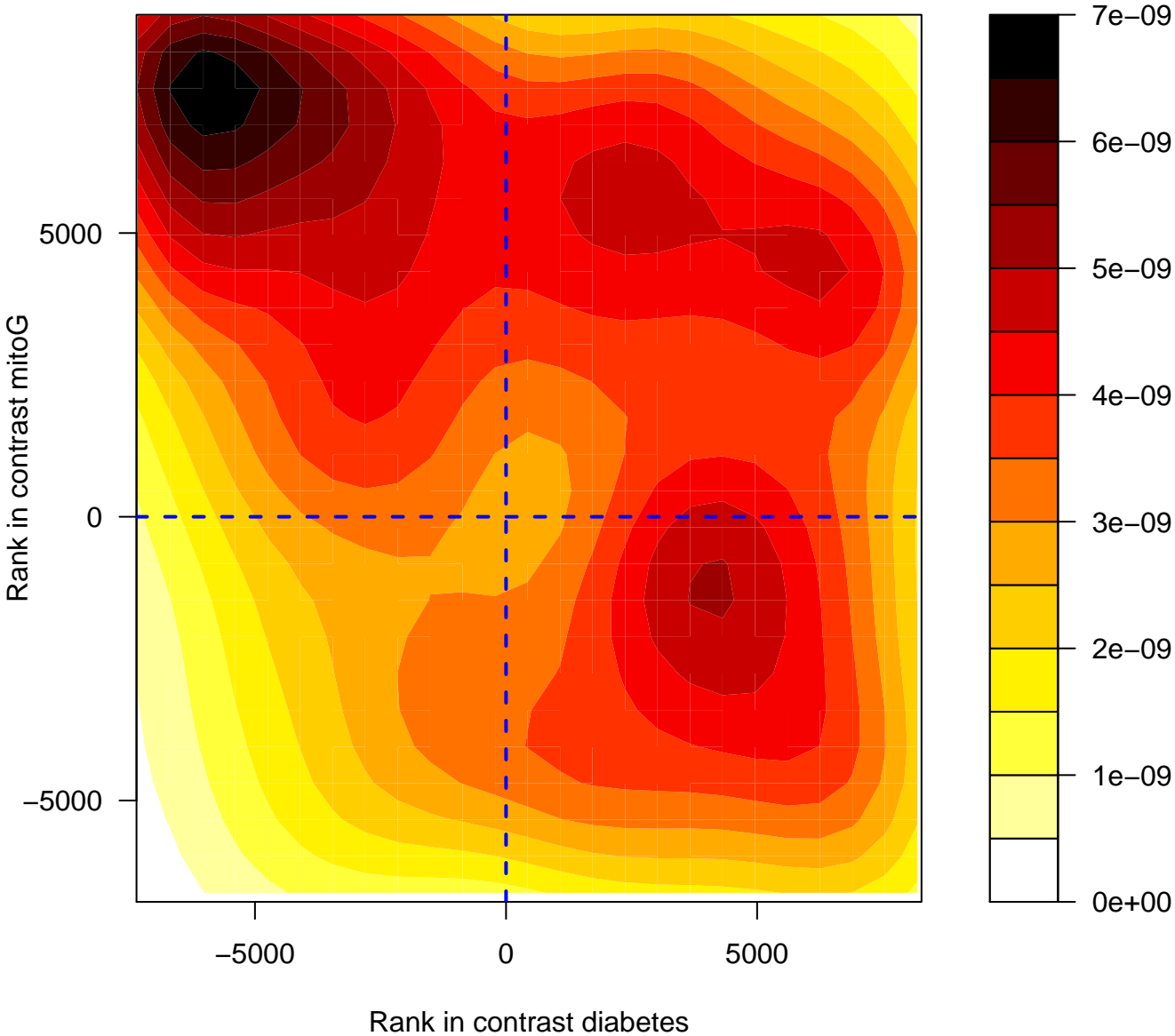
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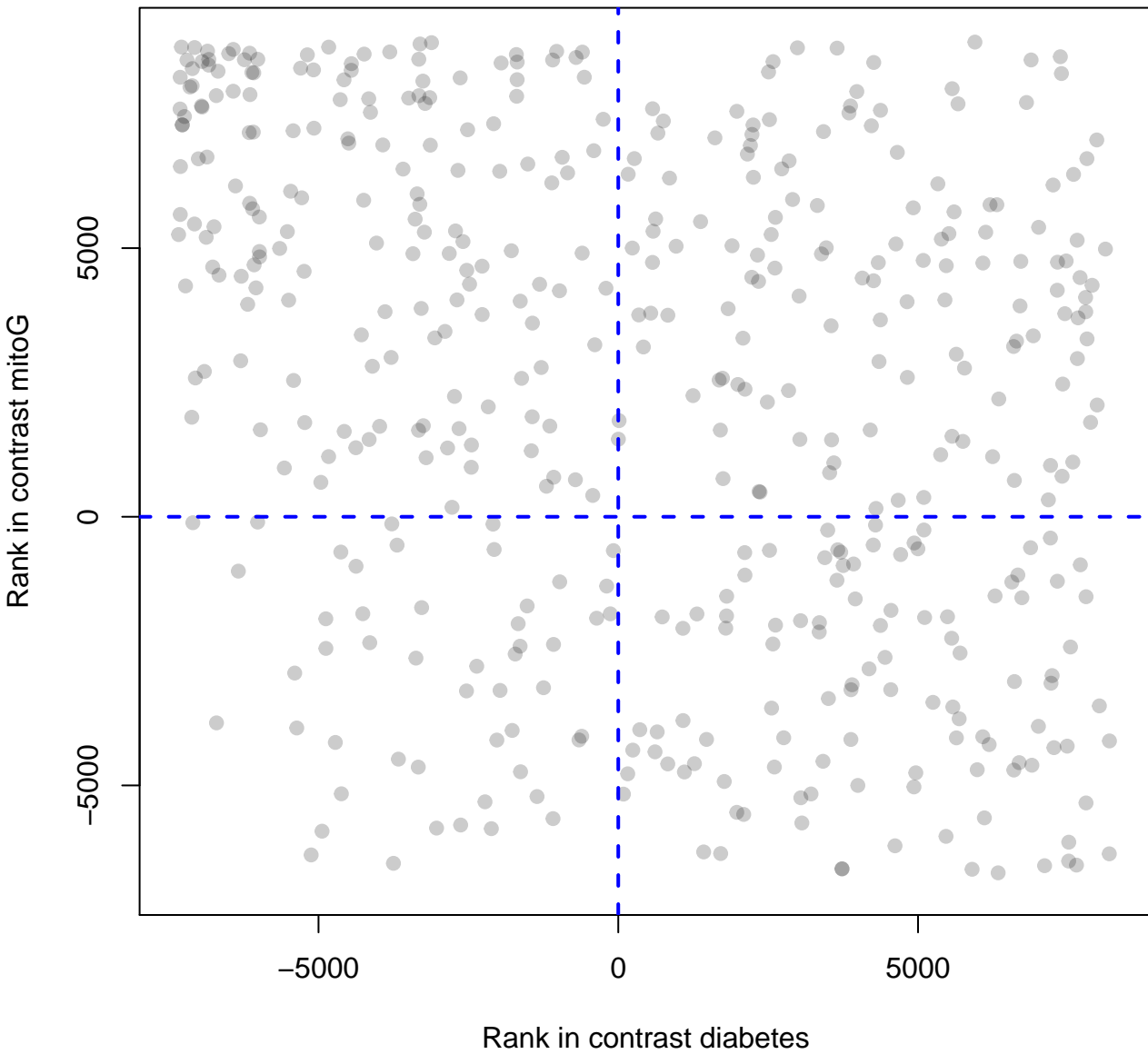
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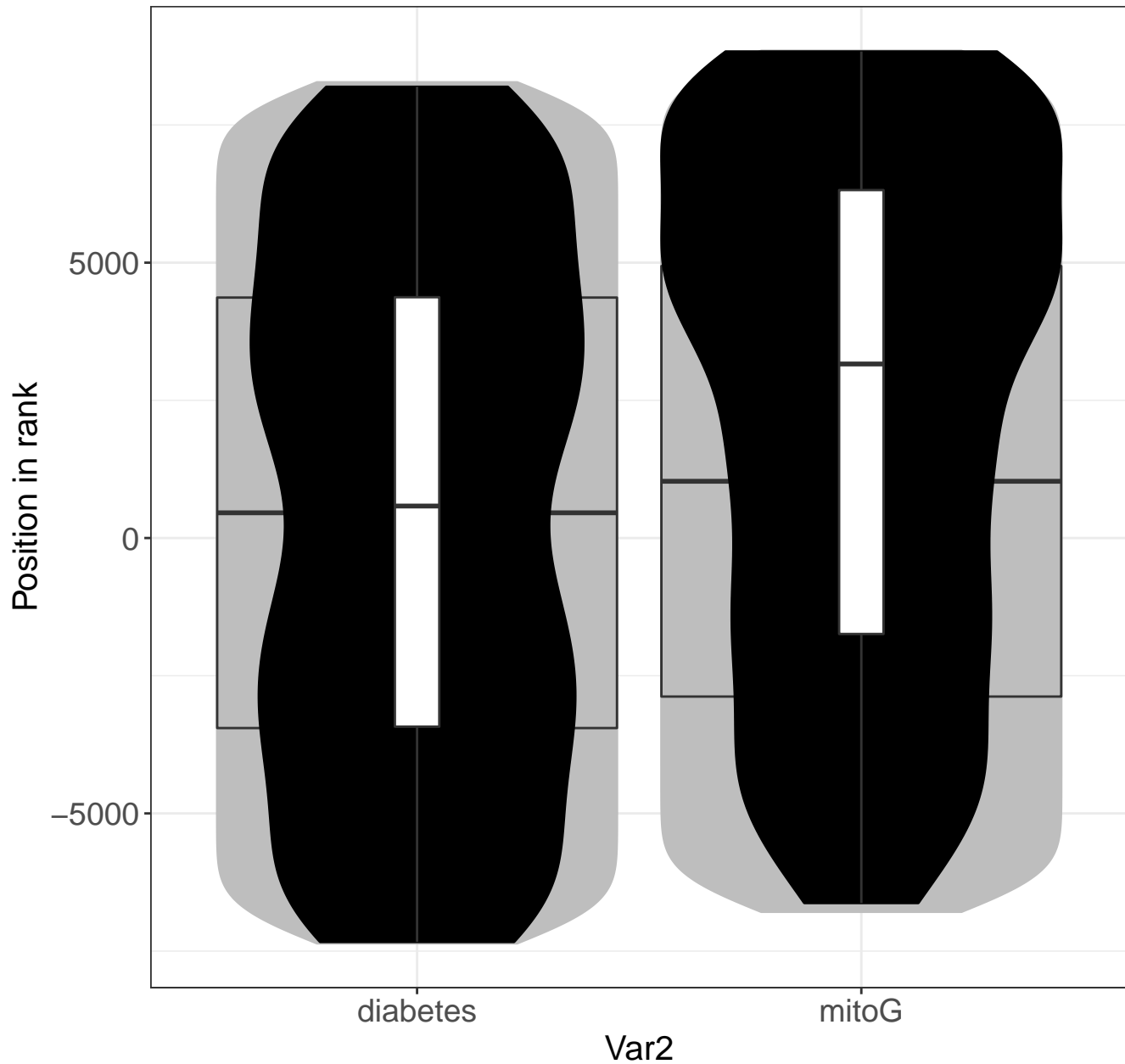
# Cellular responses to stress



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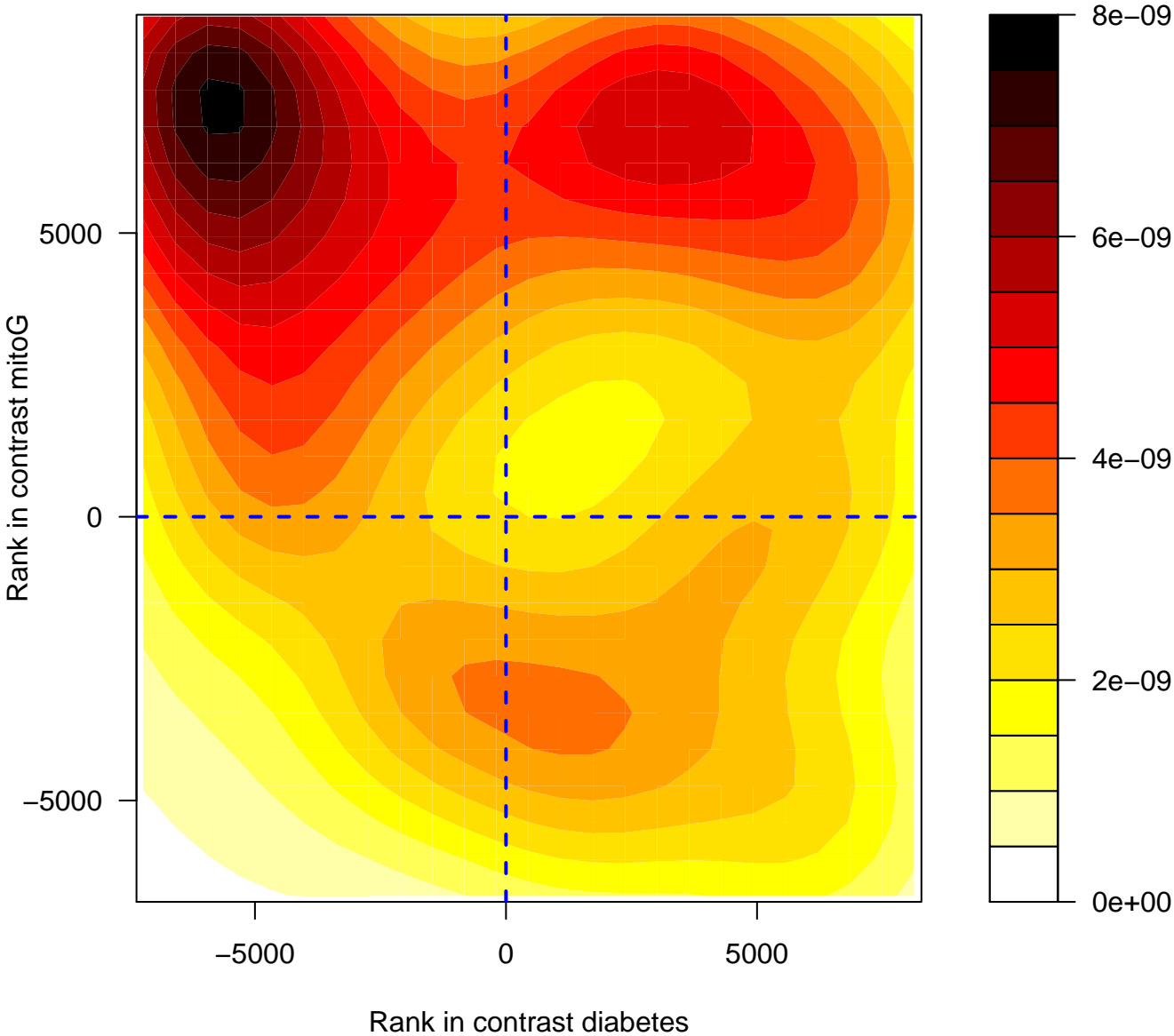


# Cellular responses to stress

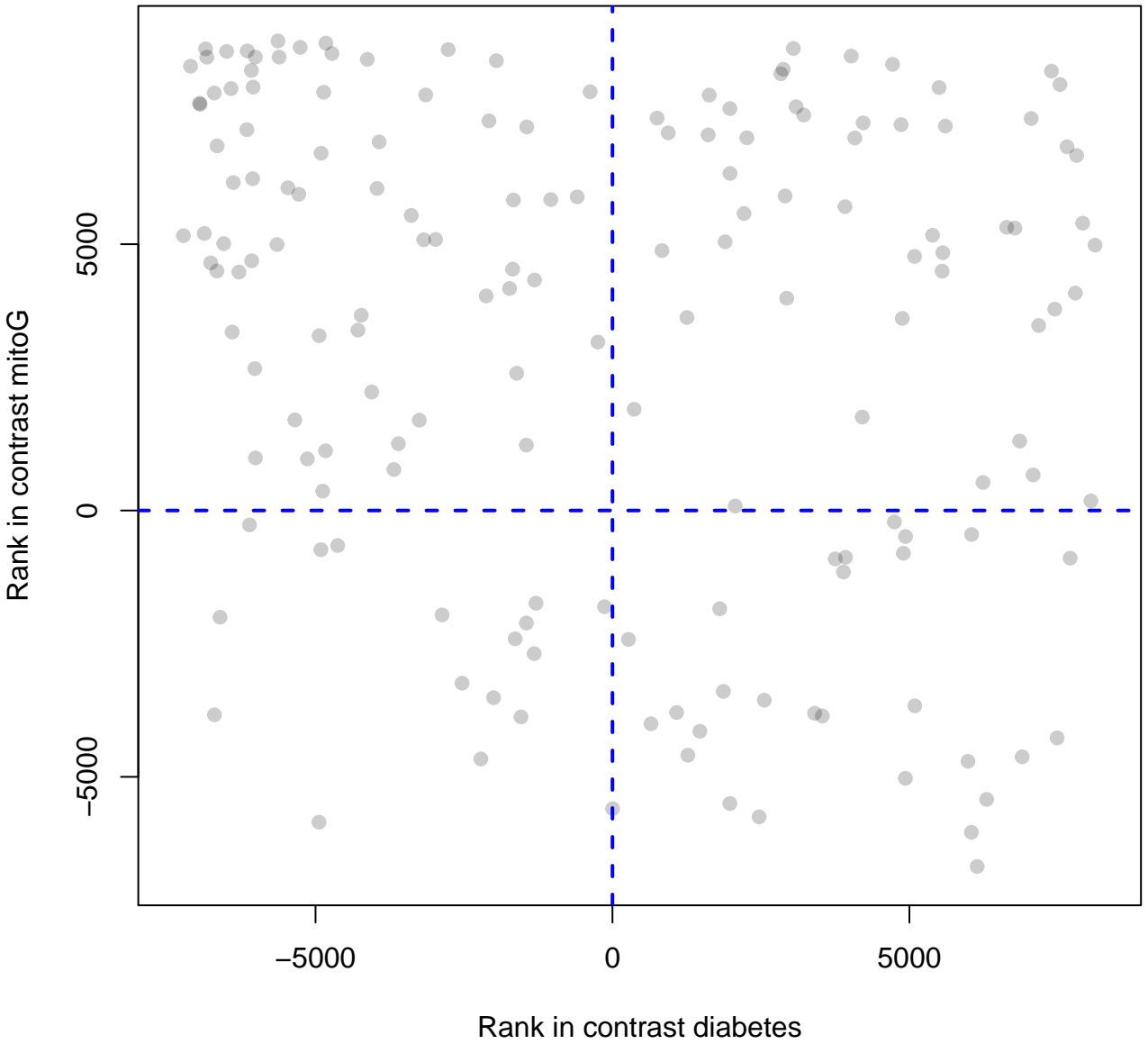




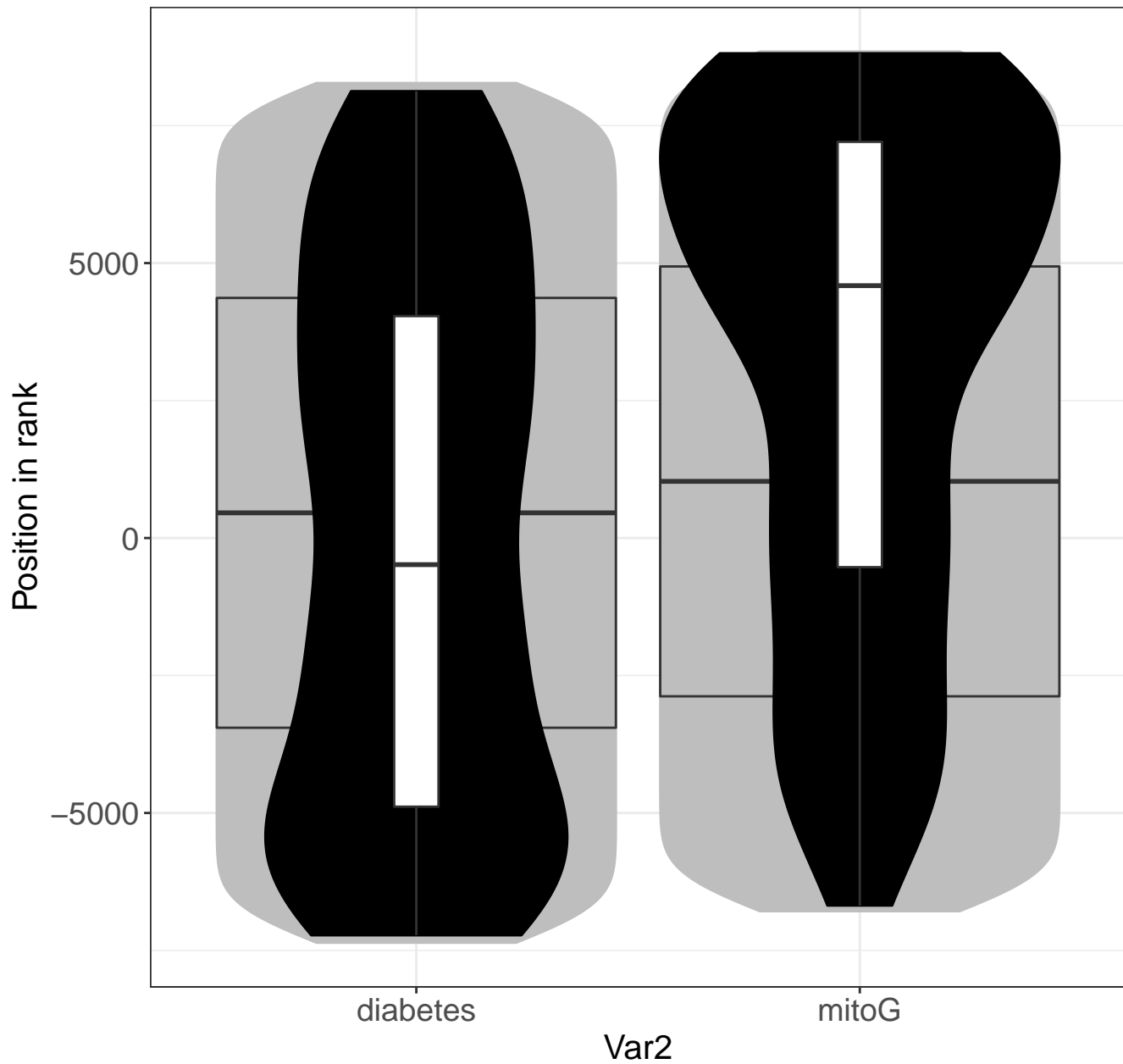
# Apoptosis



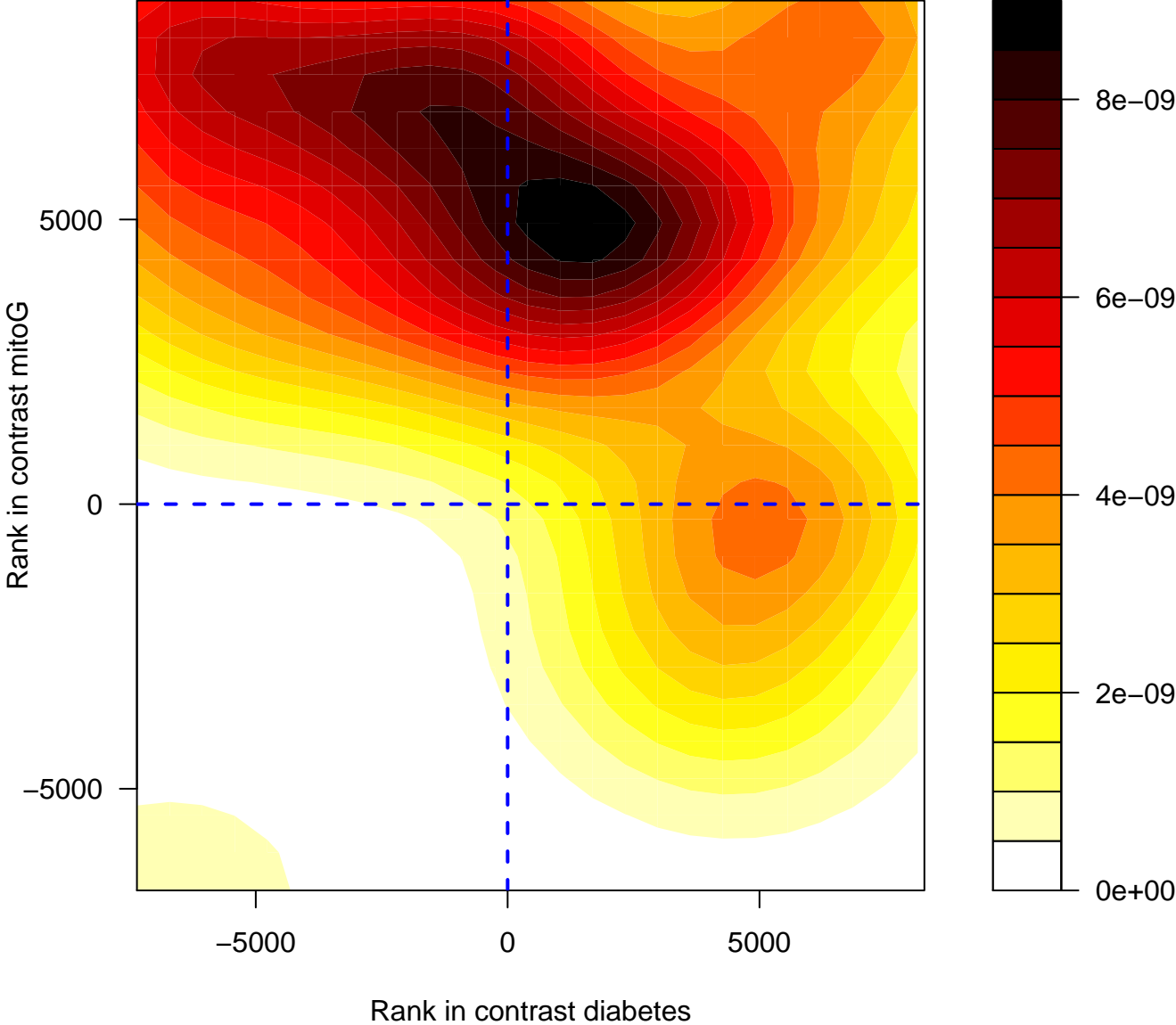
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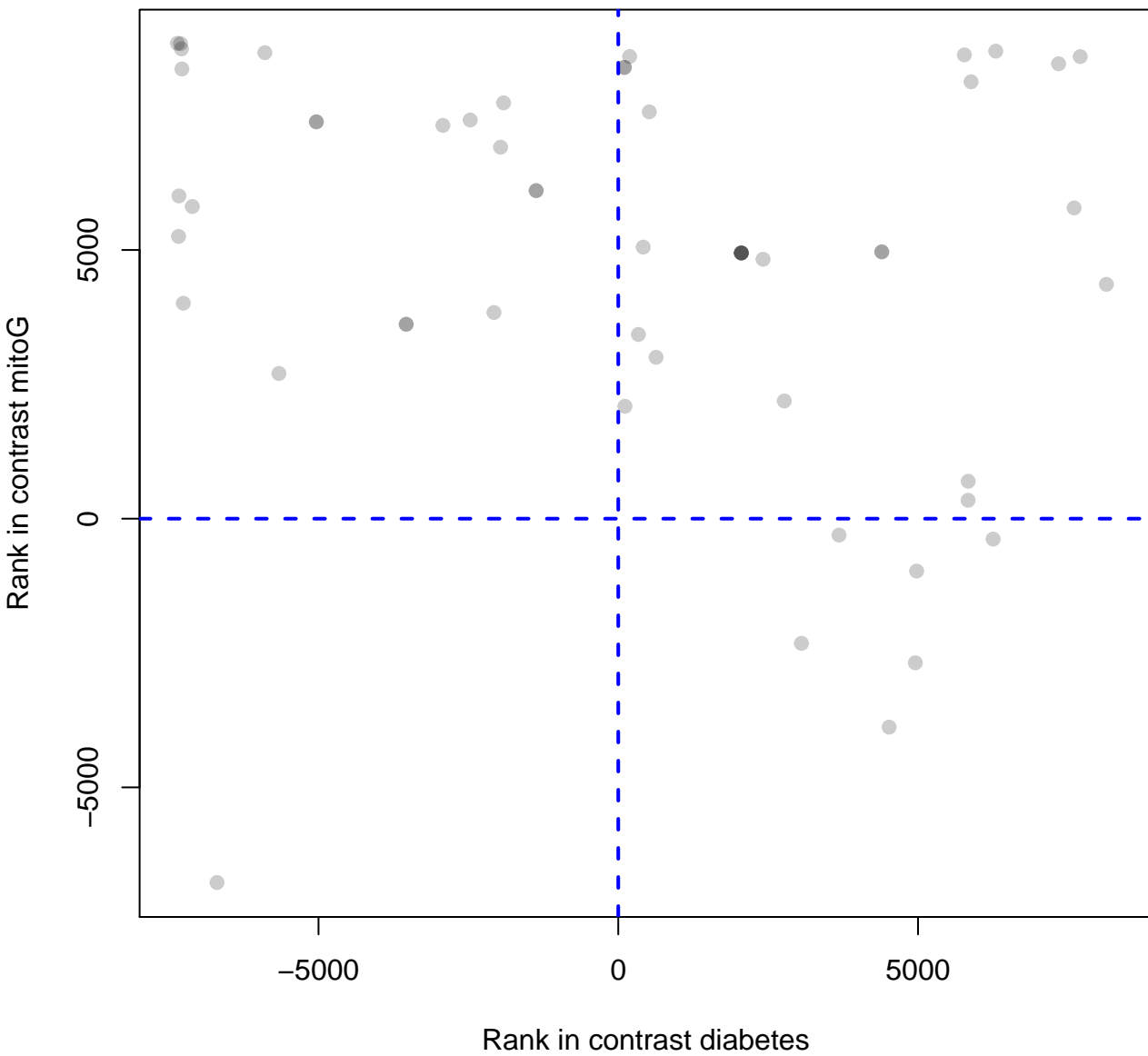
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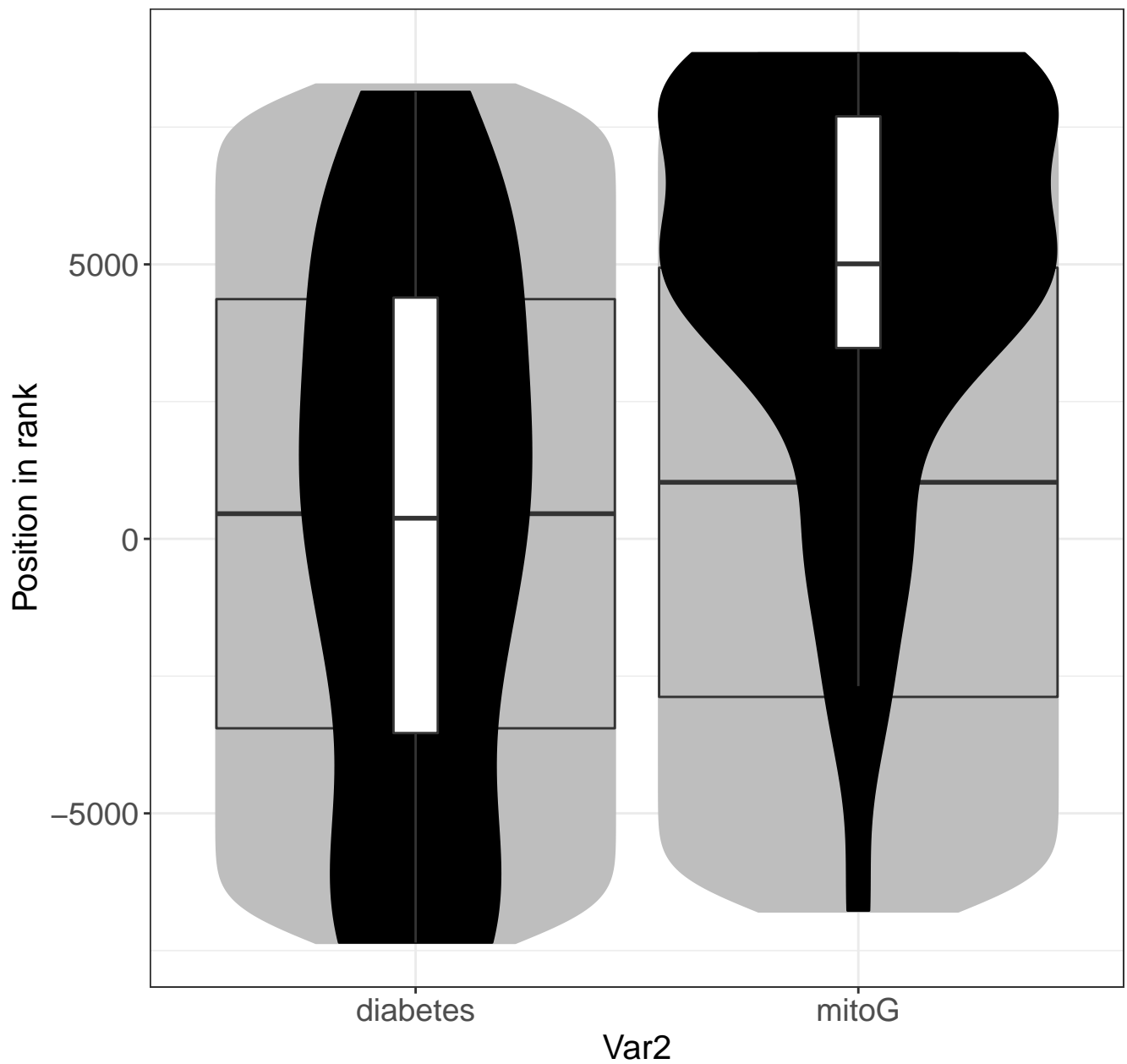
# Binding and Uptake of Ligands by Scavenger Receptors



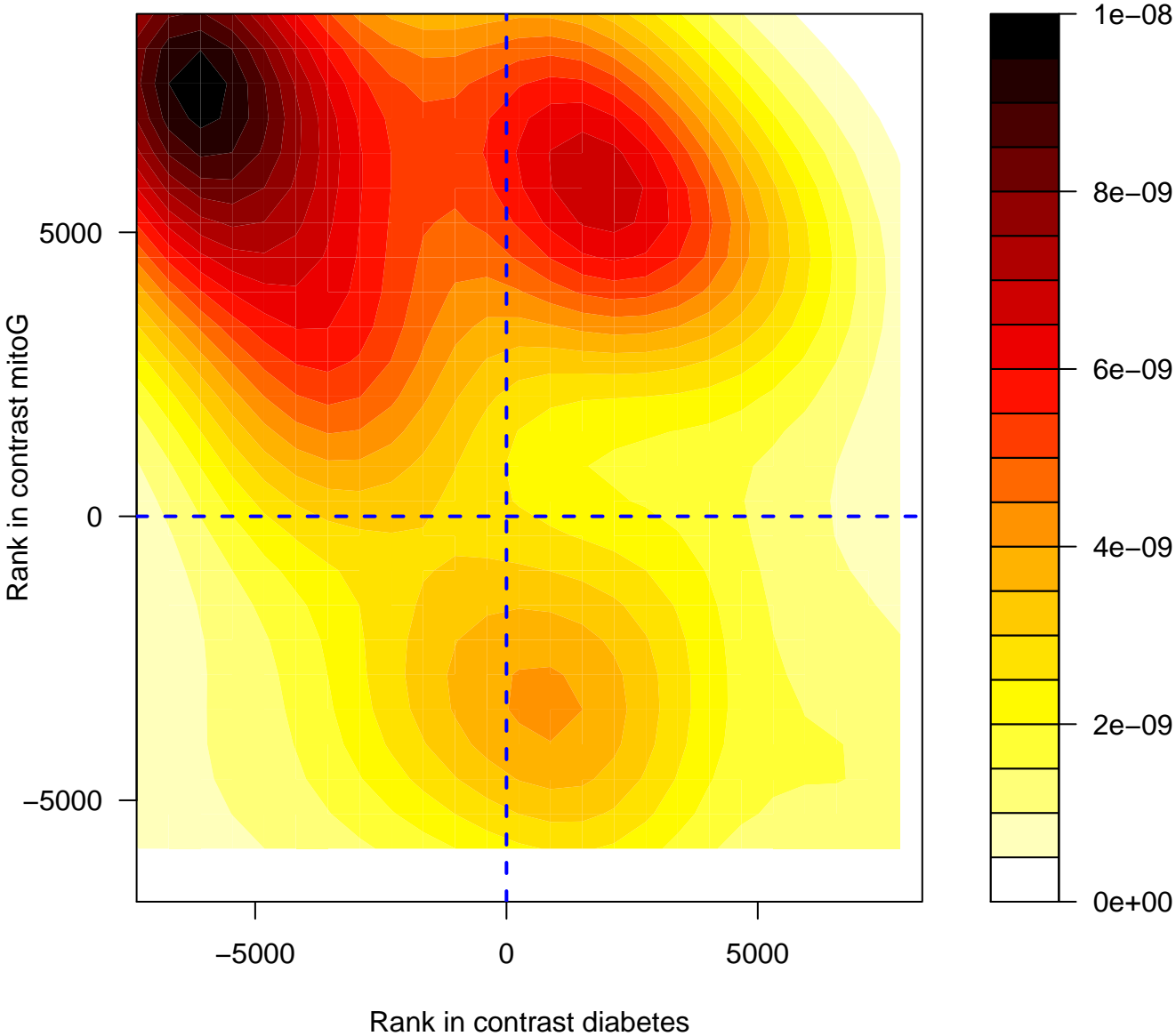
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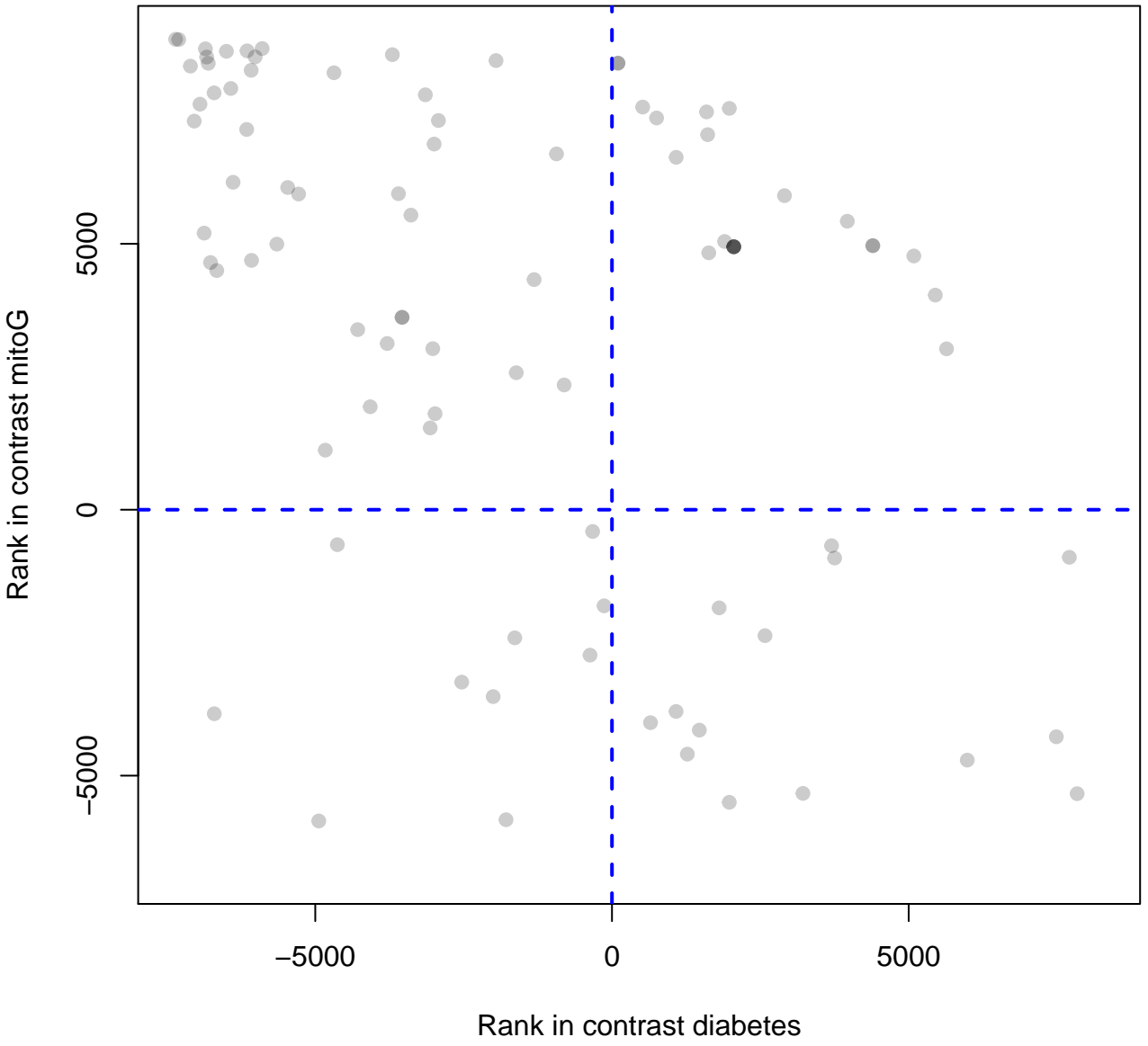
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# FCERI mediated NF- $\kappa$ B activation

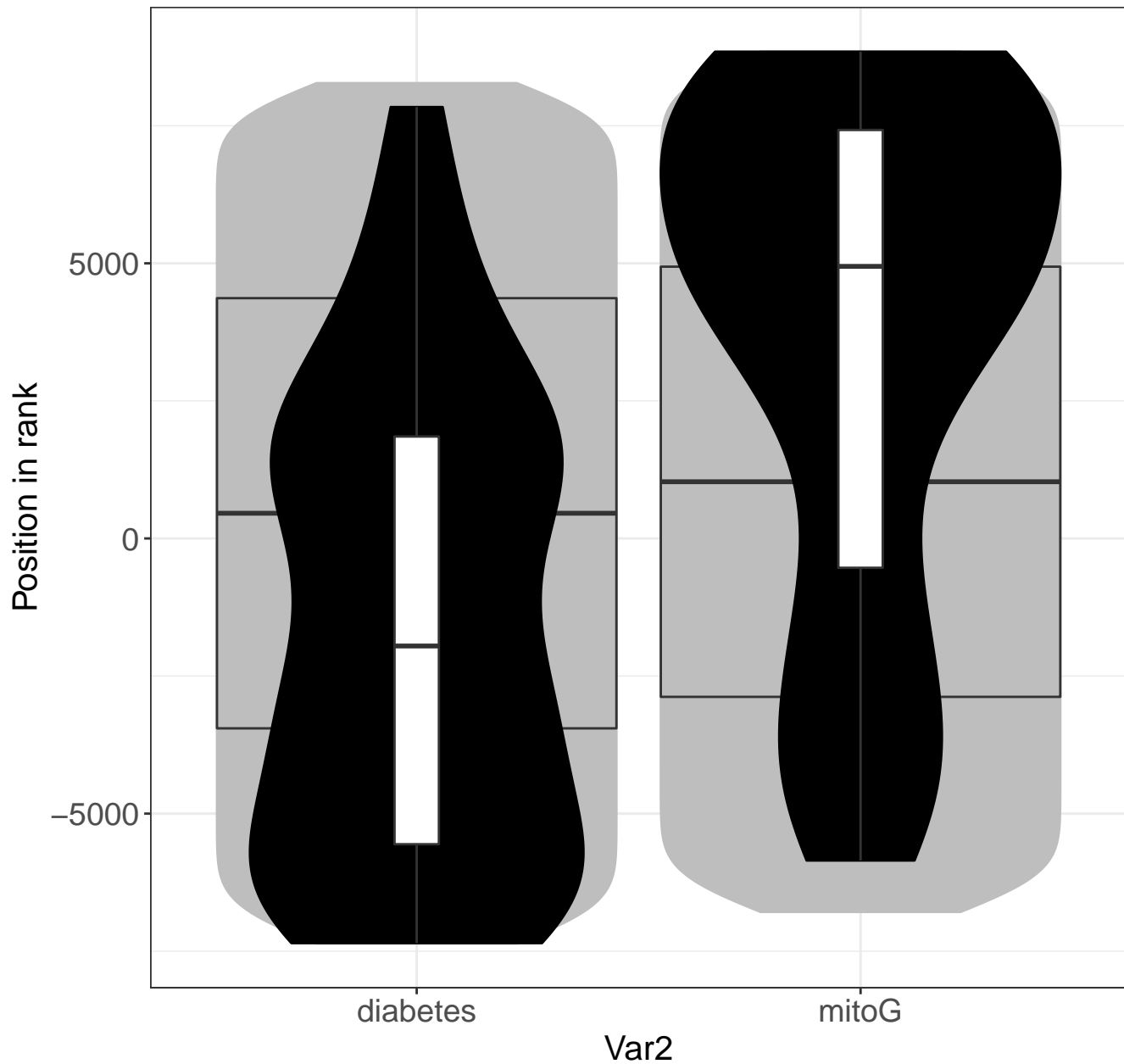


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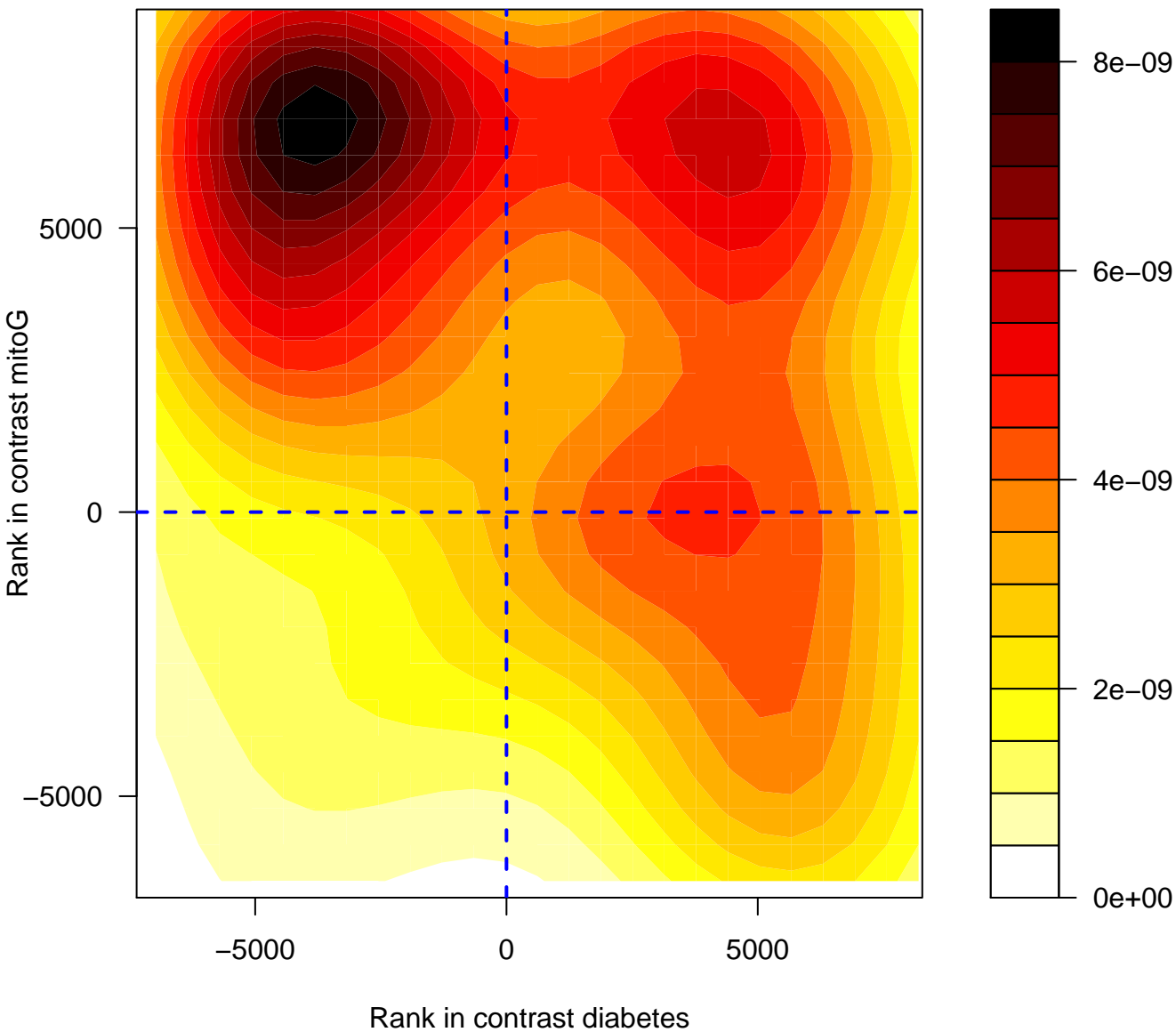




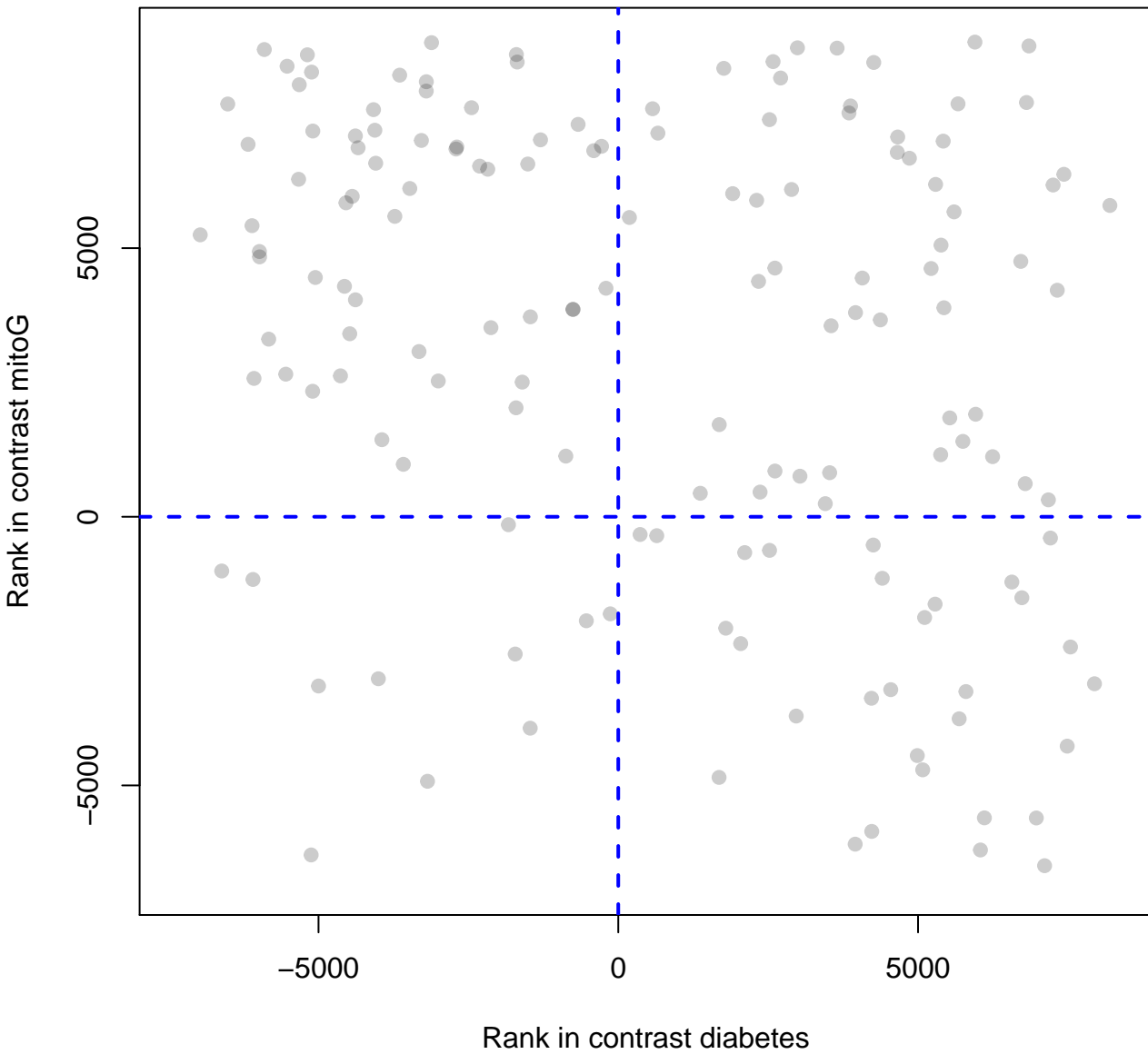
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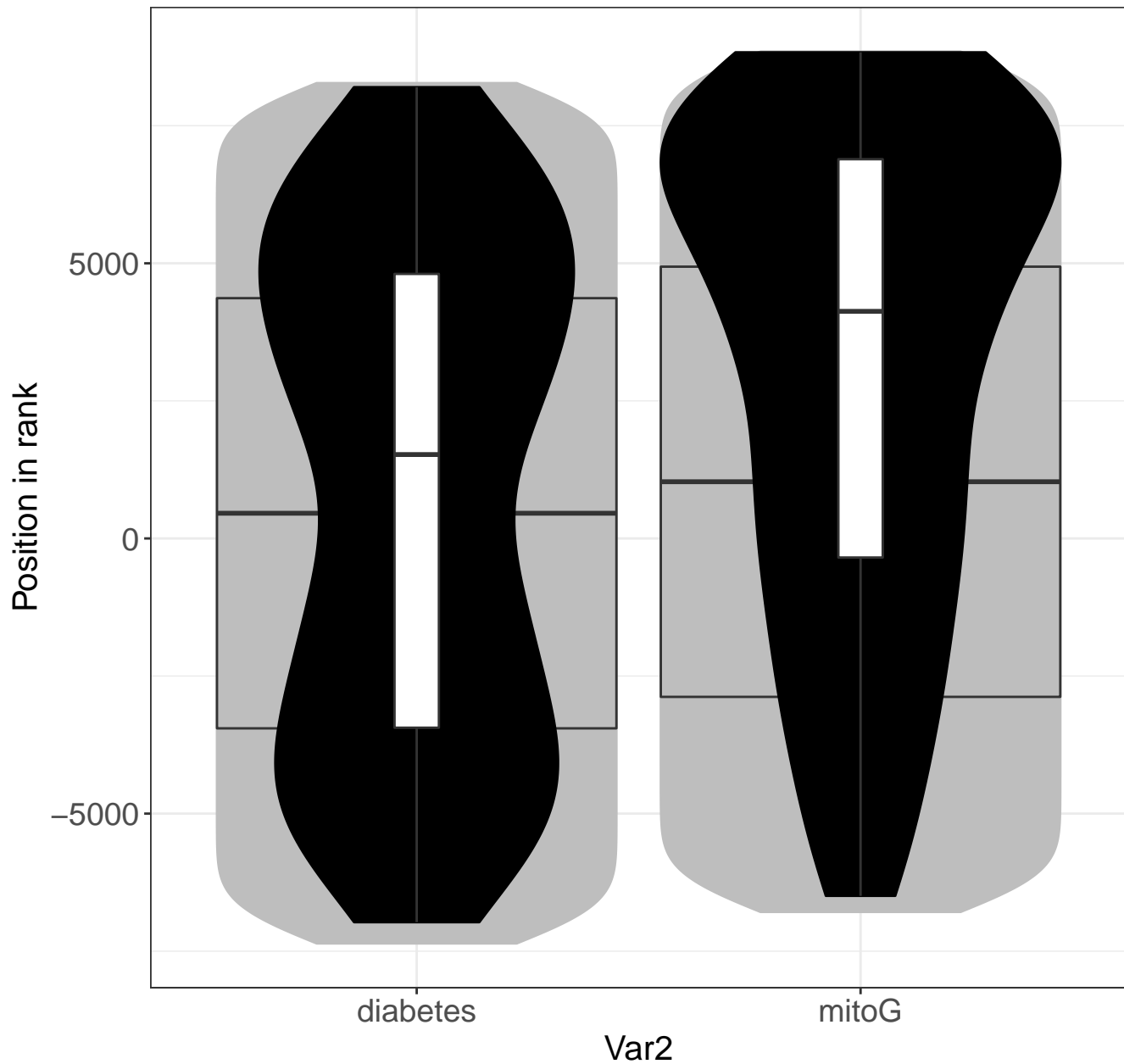
# rRNA processing in the nucleus and cytosol



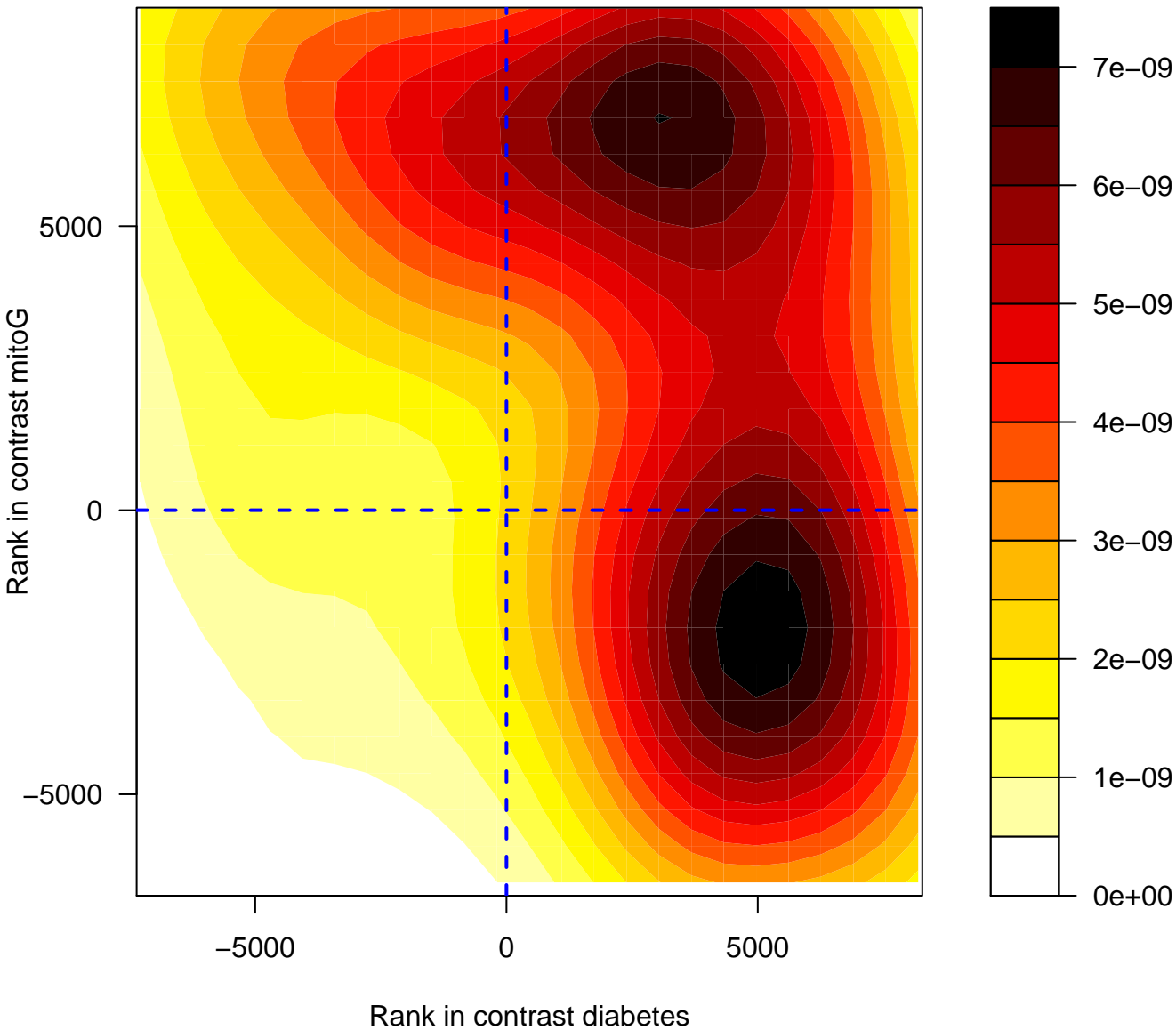
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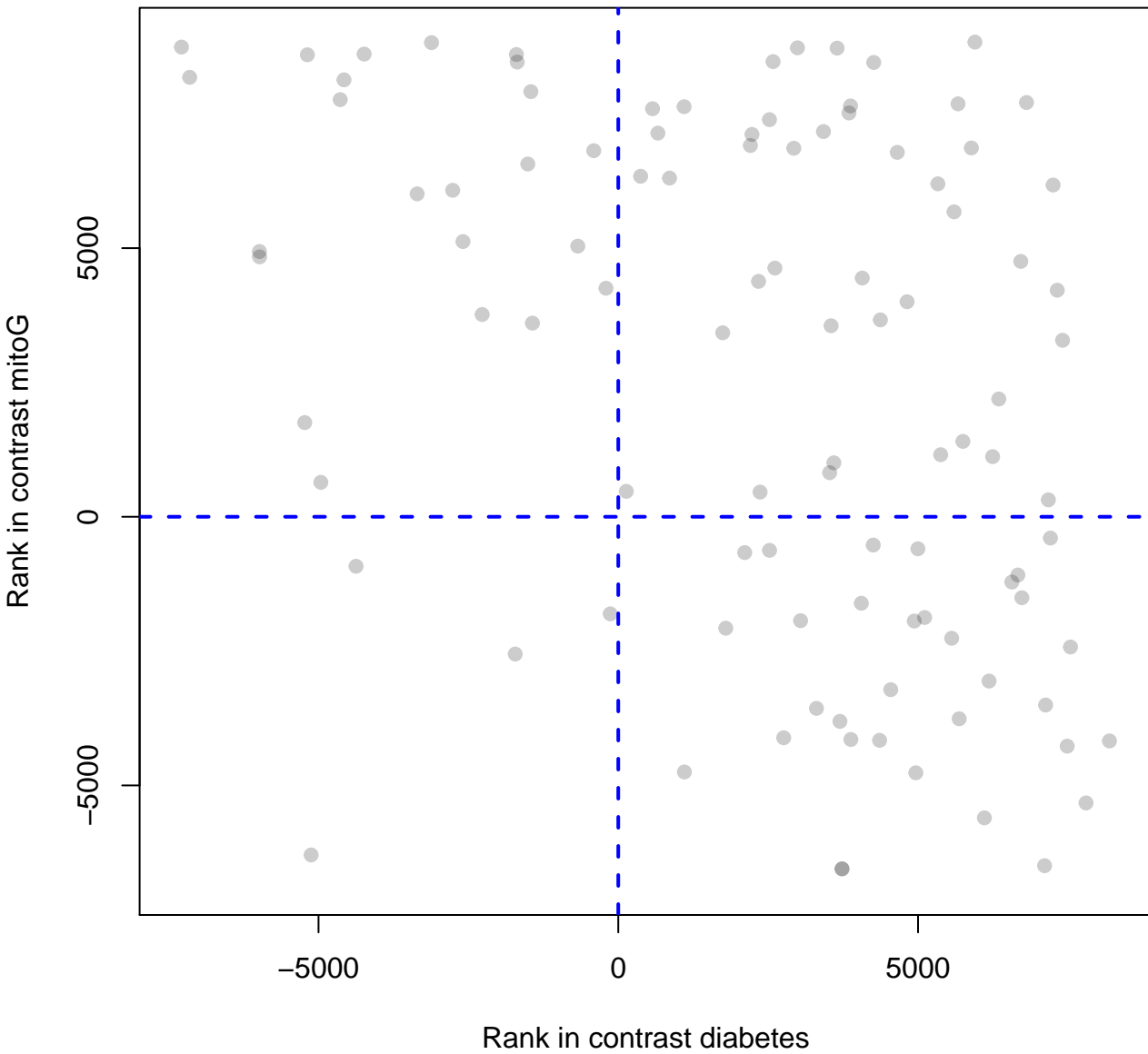
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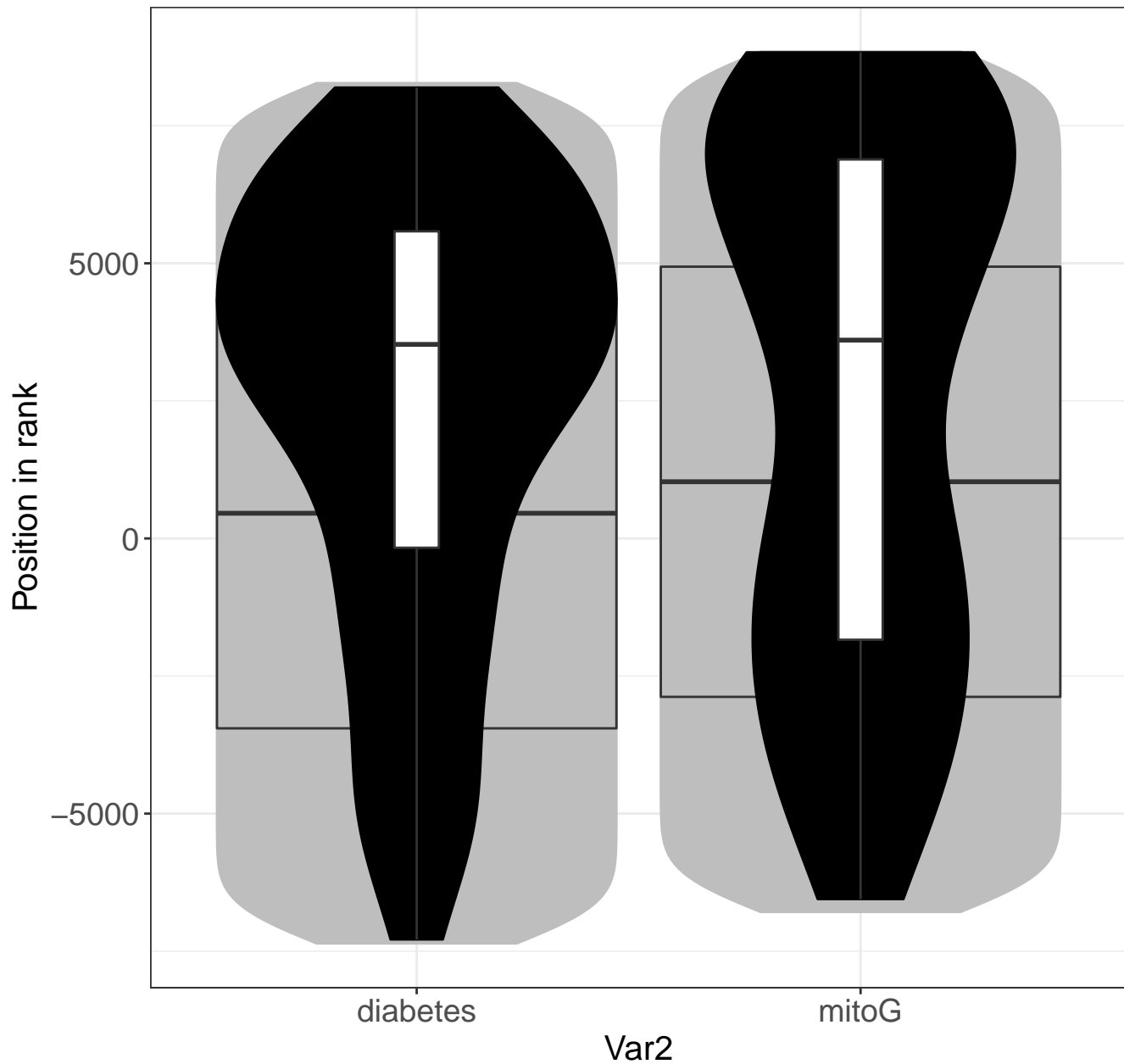
# Influenza Viral RNA Transcription and Replication



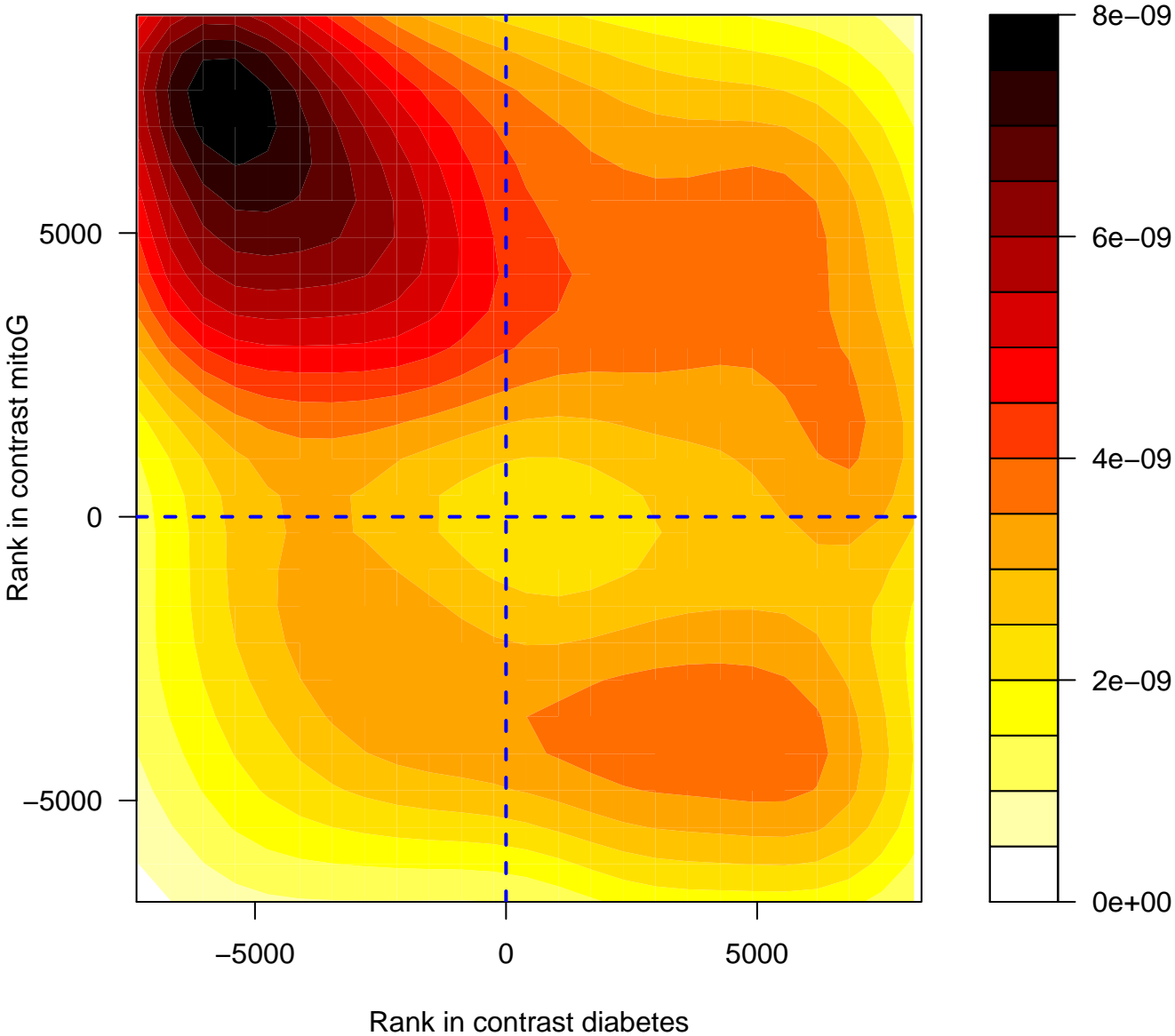
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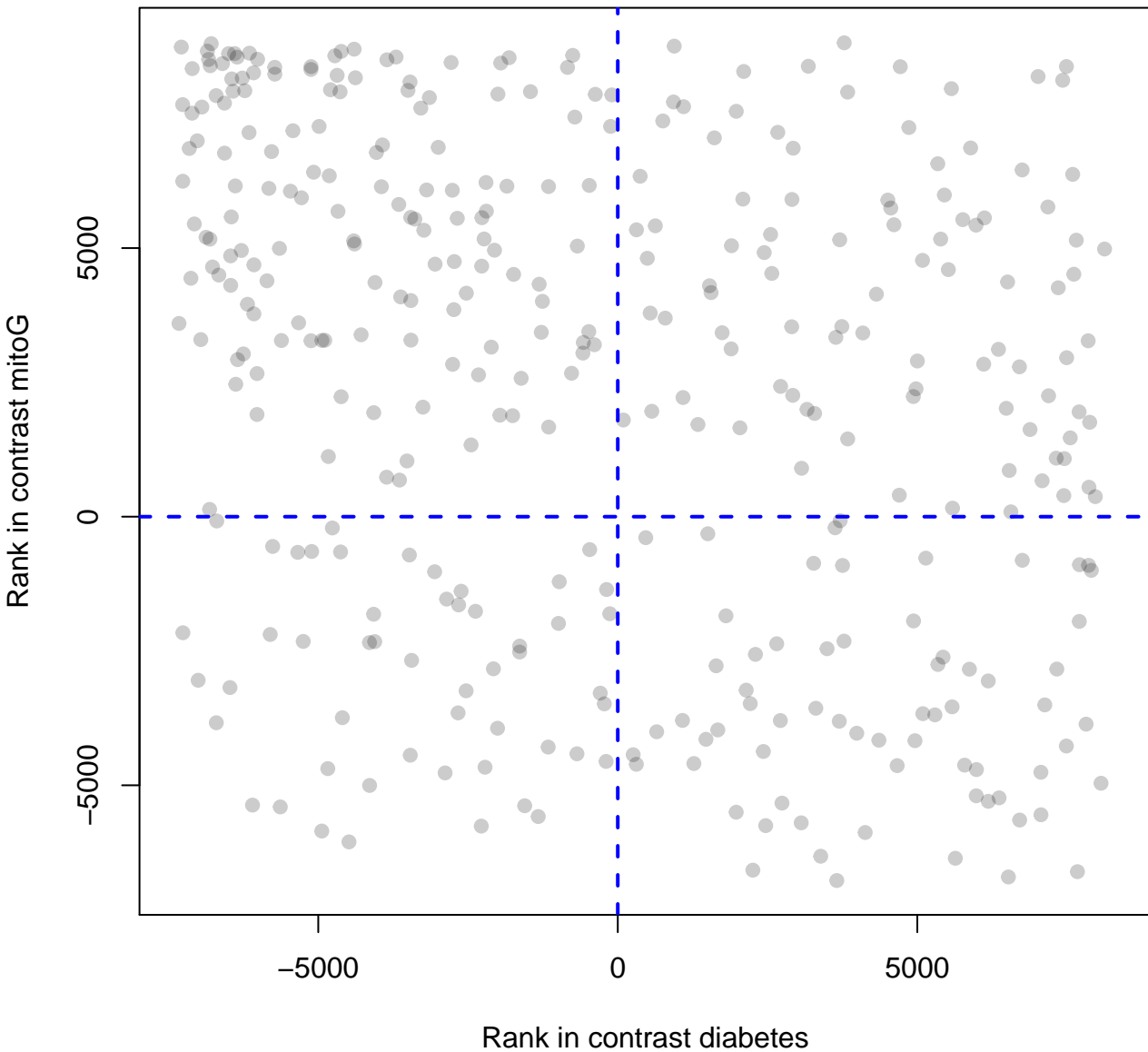


# s of signal transduction by growth factor receptors and secur

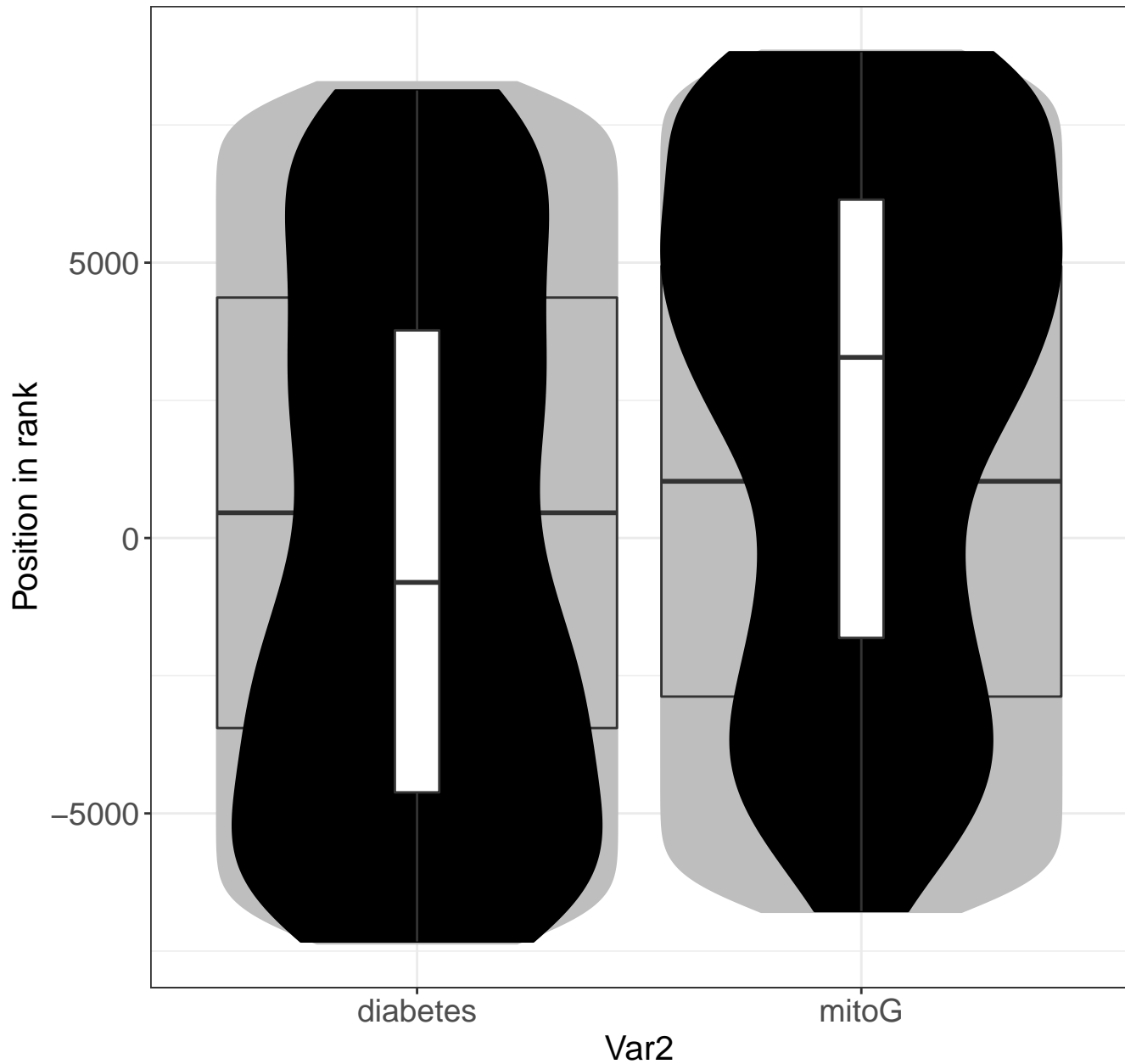




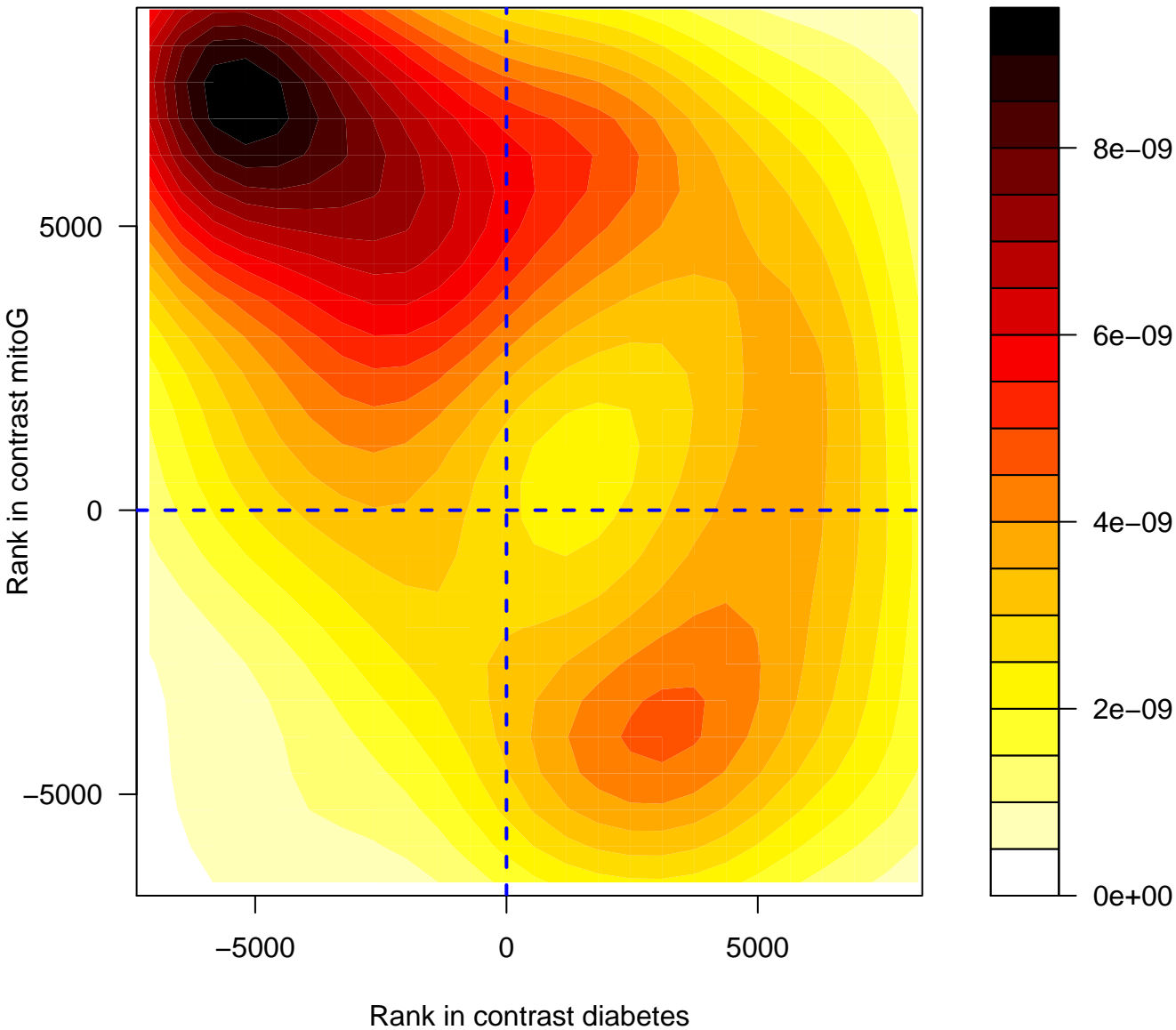
# Diseases of signal transduction by growth factor receptors and second messe



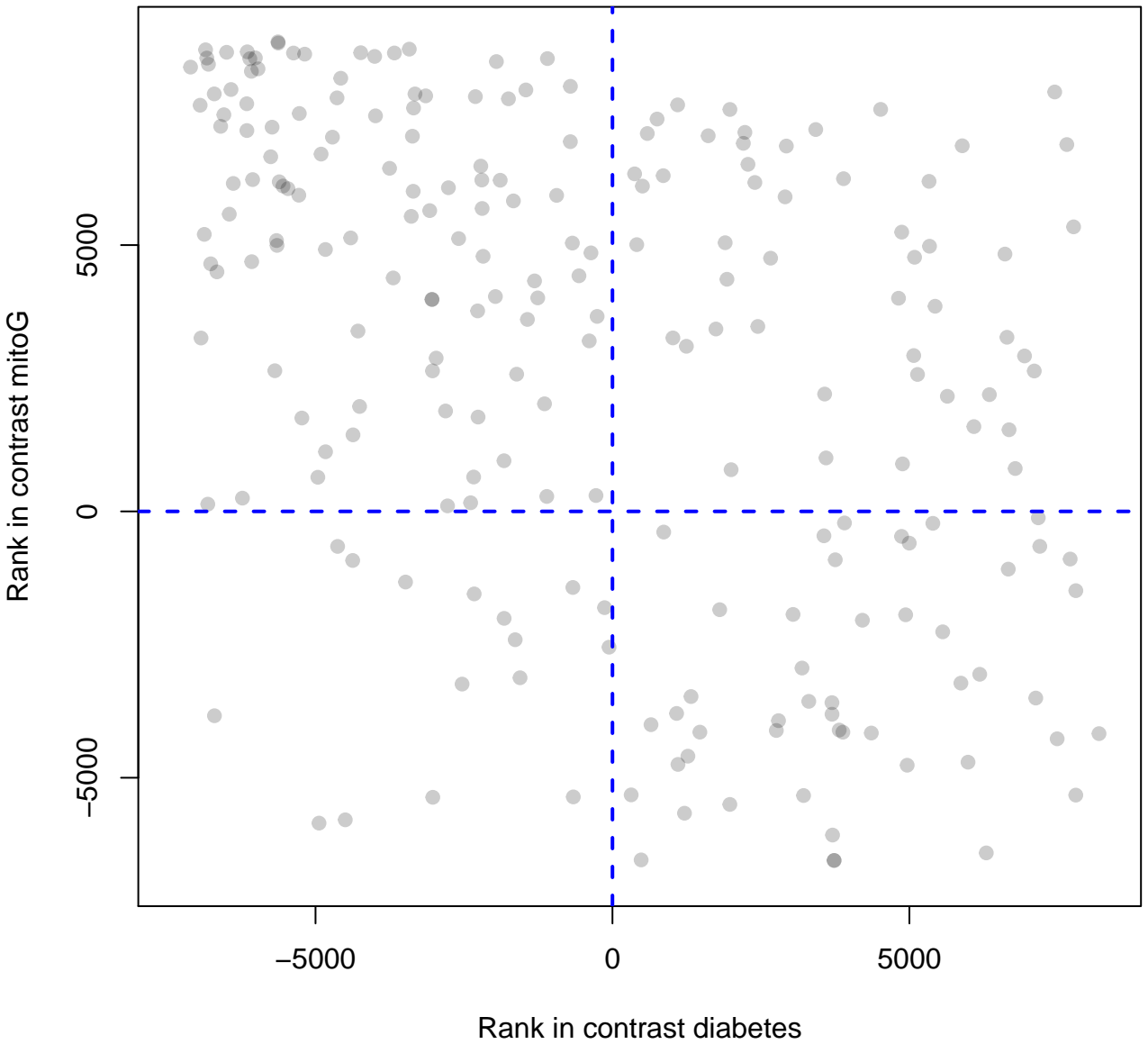
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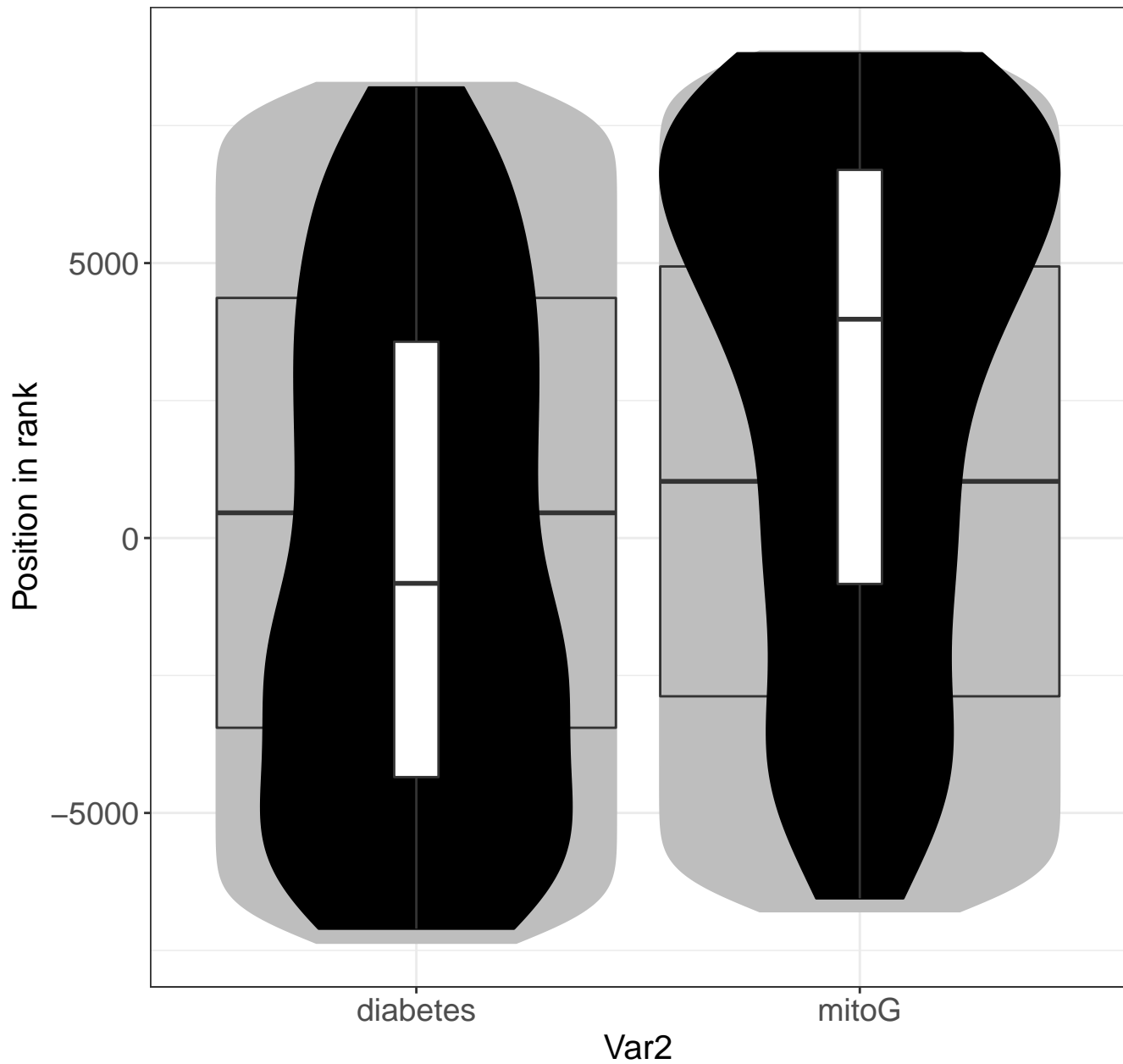
# HIV Infection



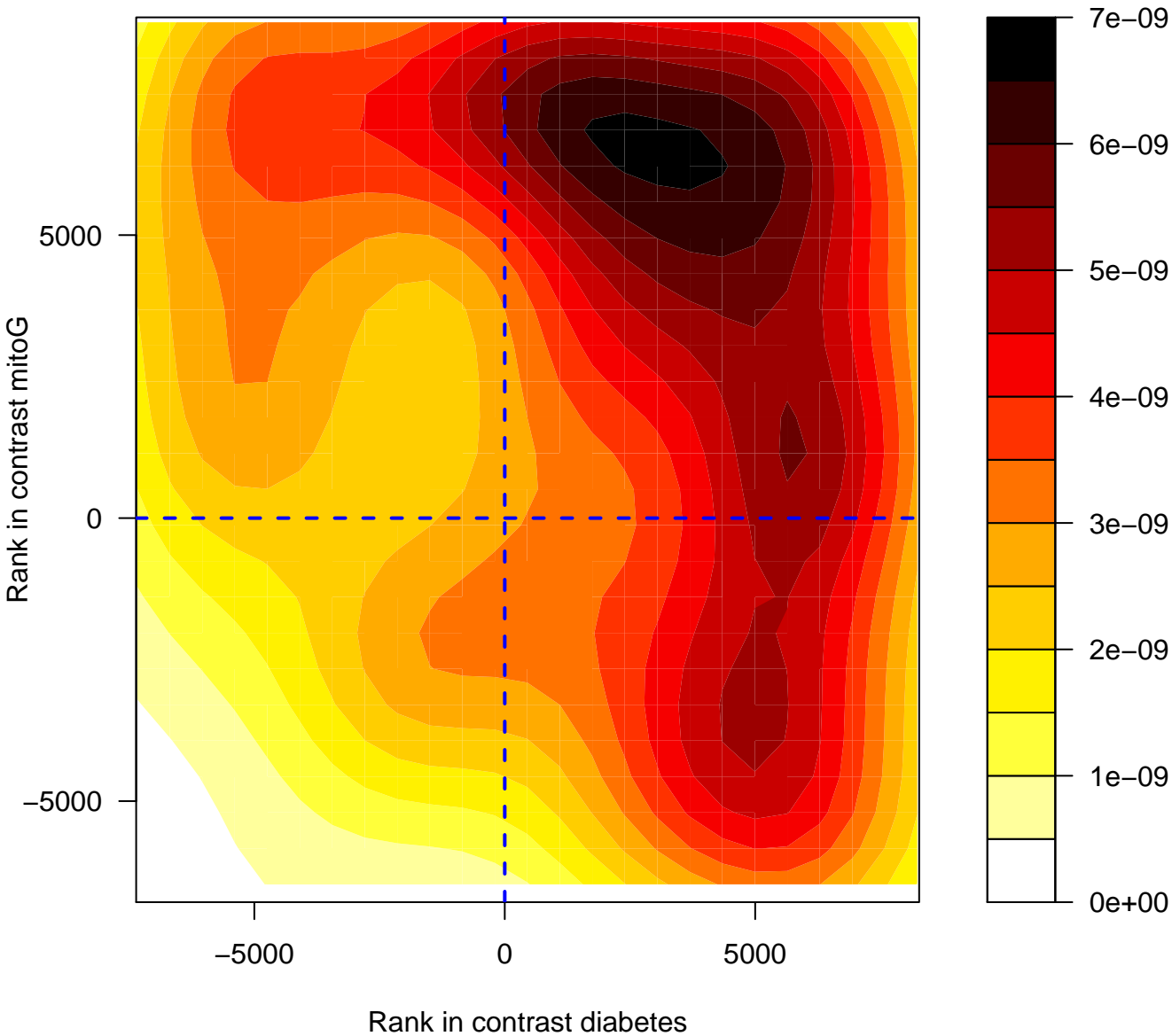
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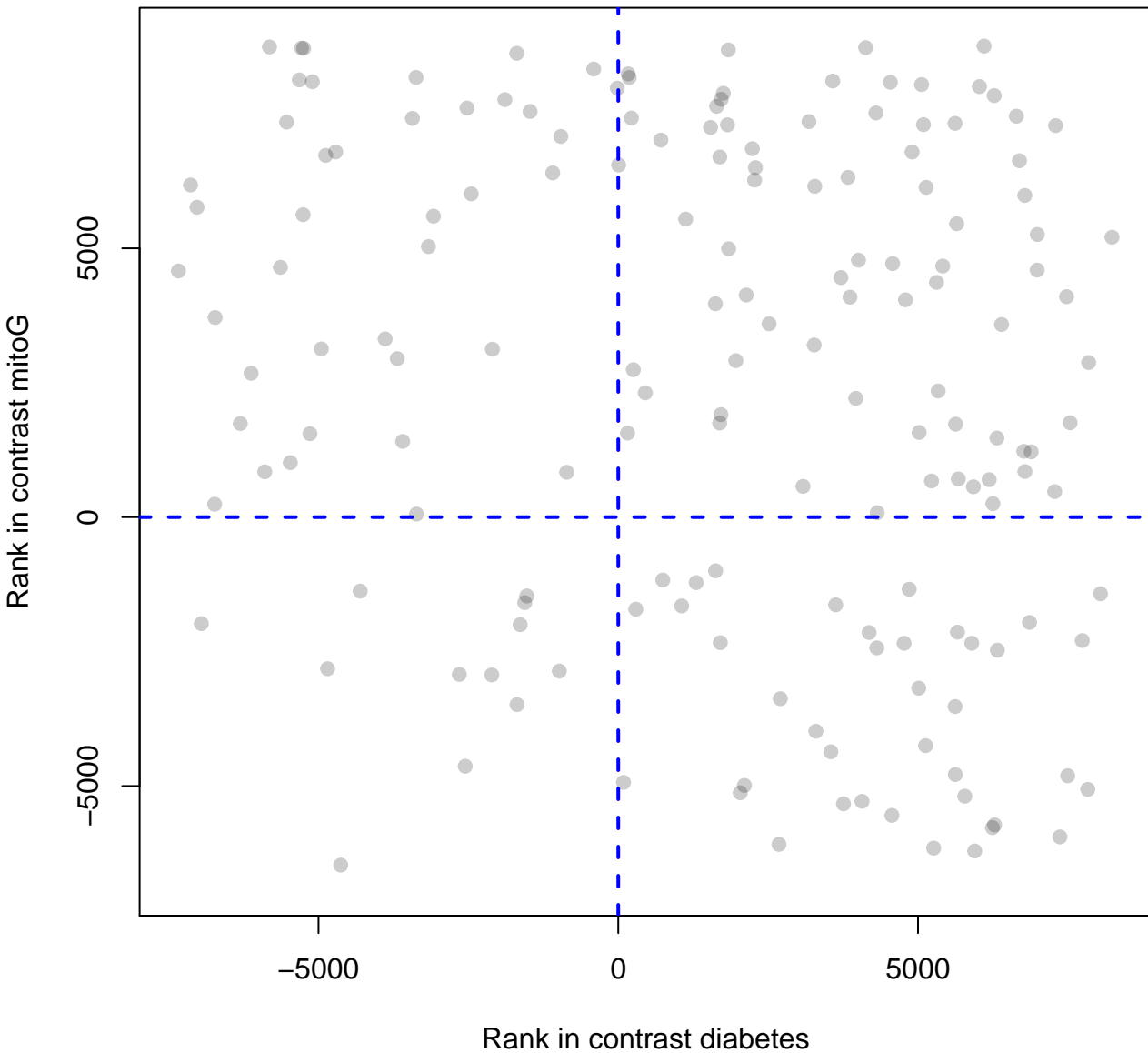
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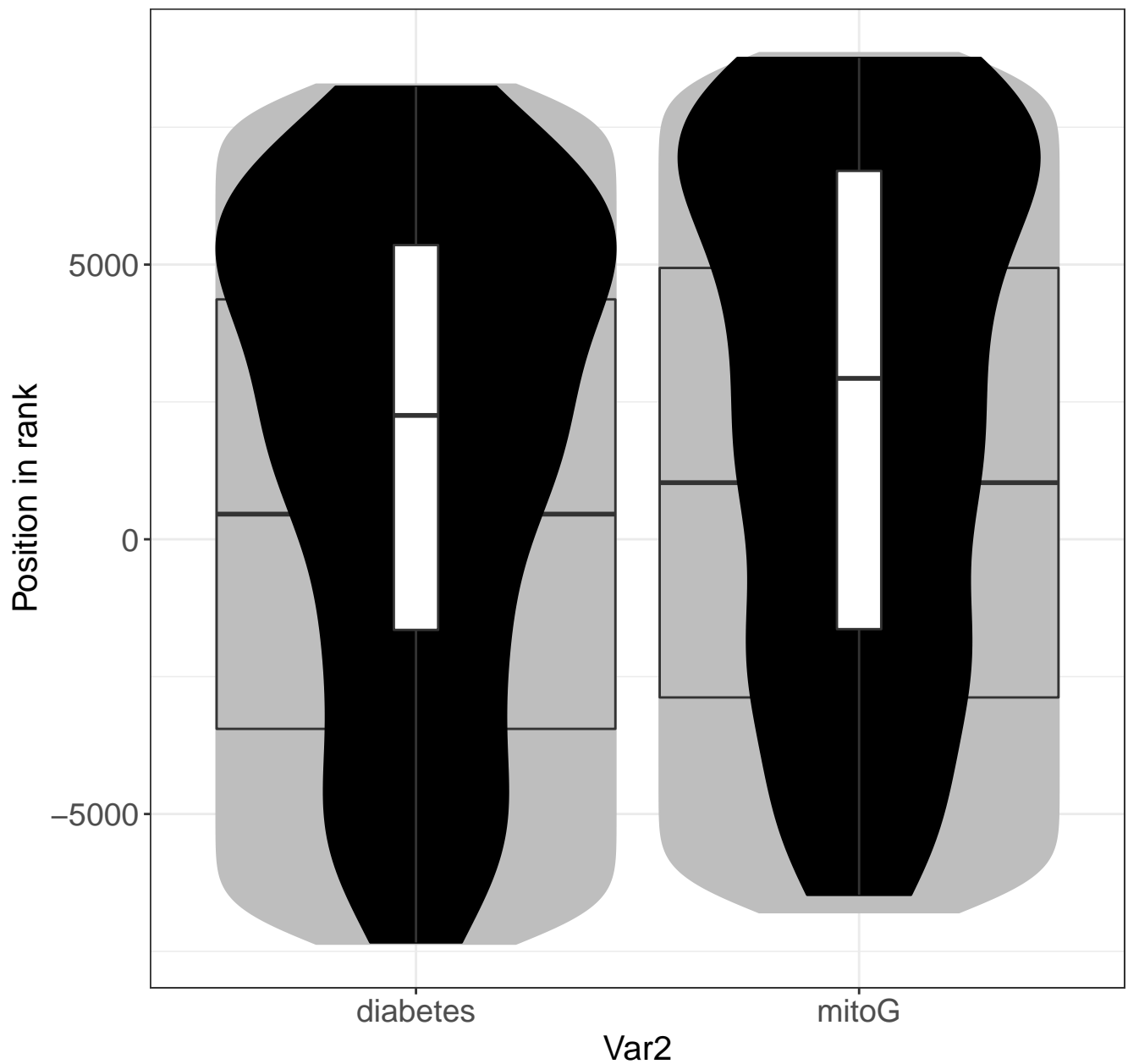
# The citric acid (TCA) cycle and respiratory electron transp



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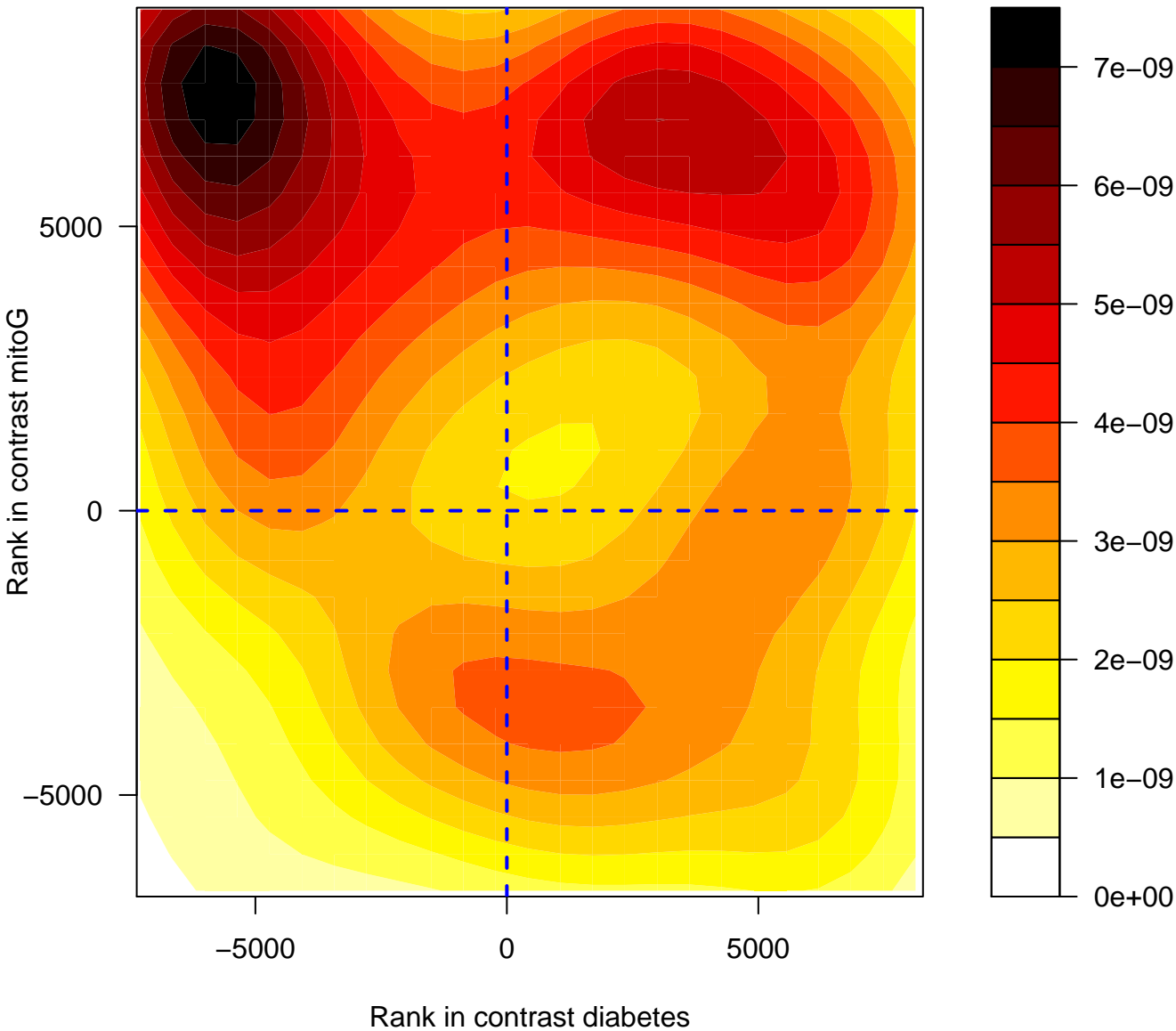


# The citric acid (TCA) cycle and respiratory electro

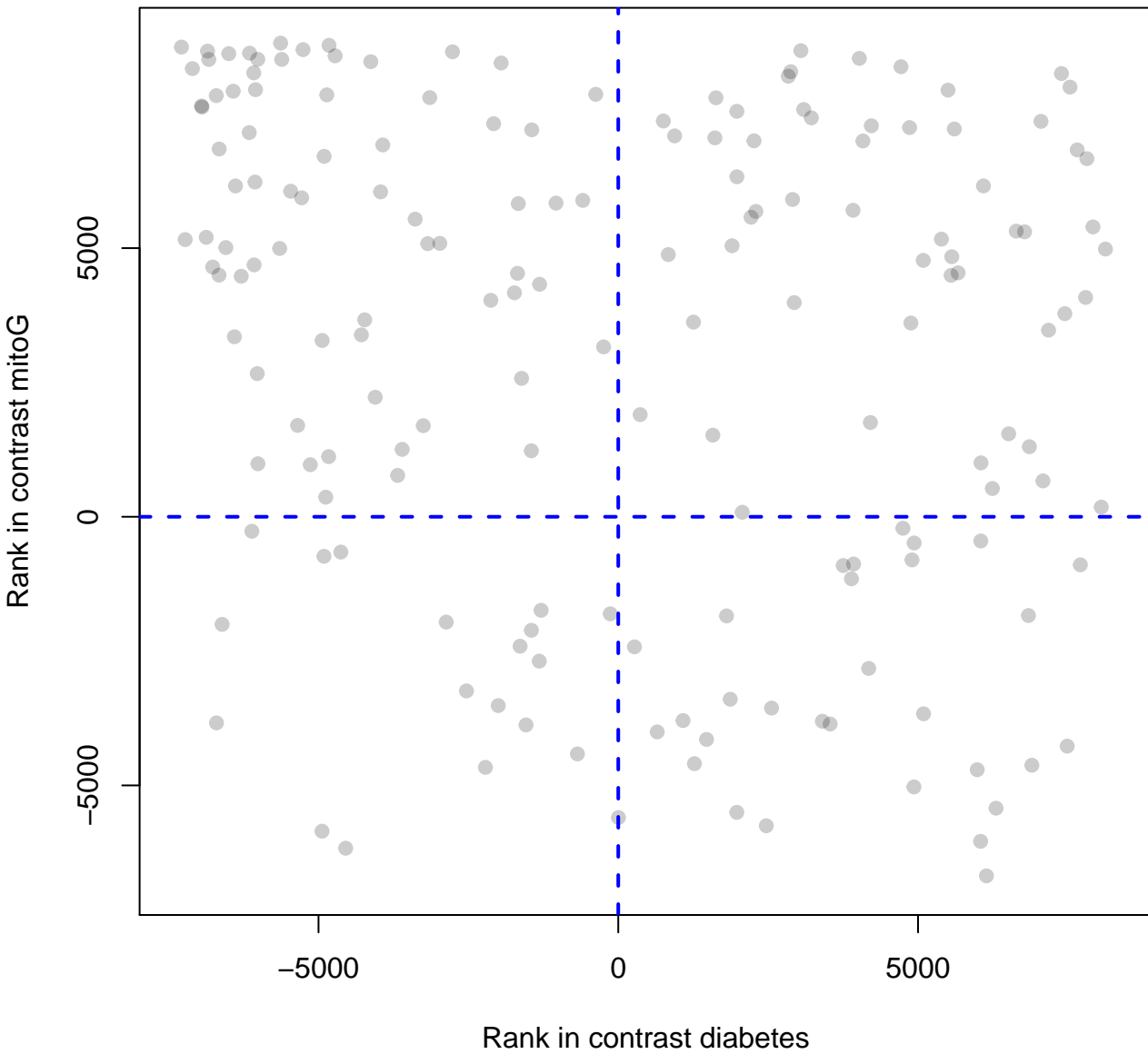




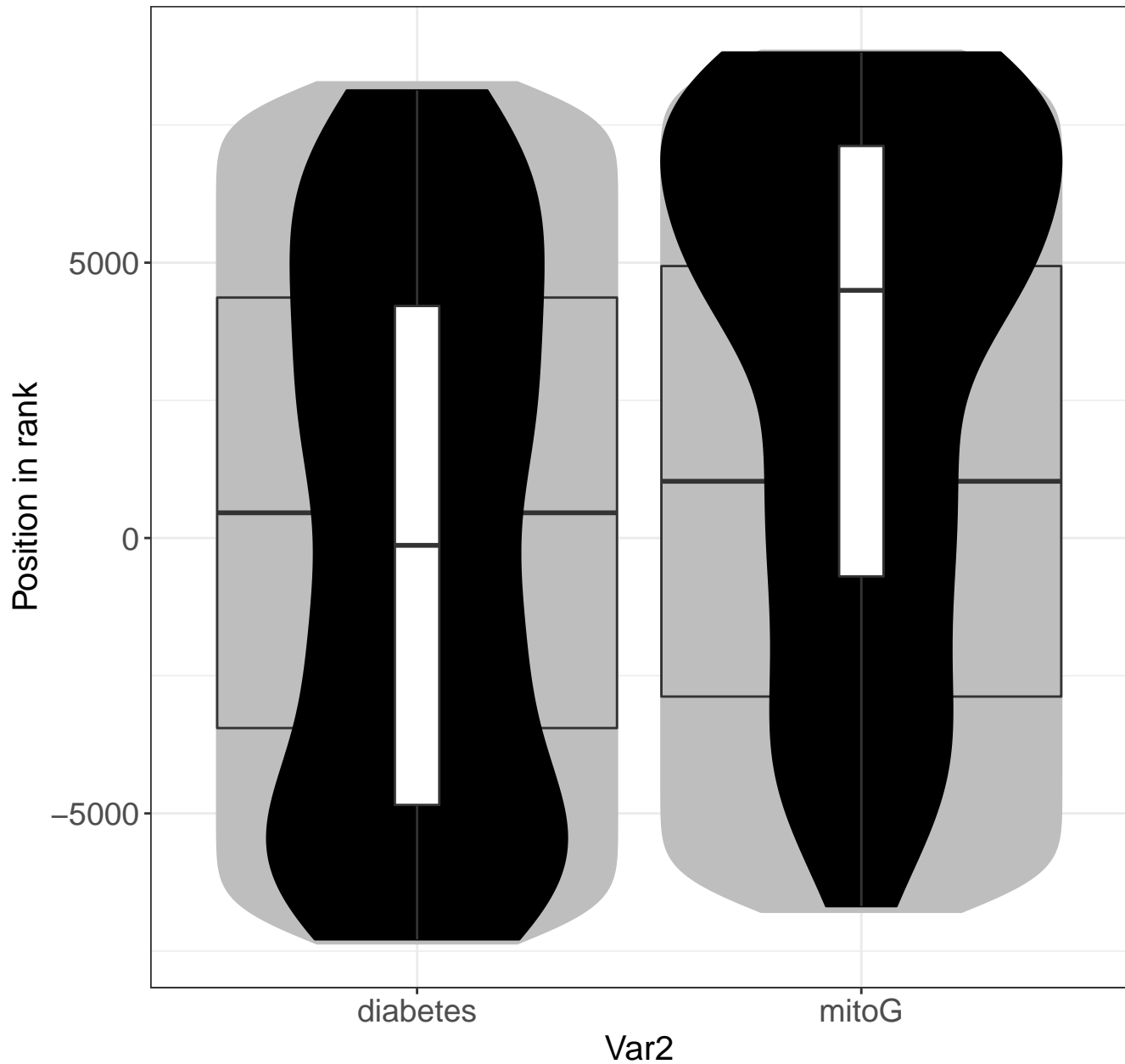
# Programmed Cell Death



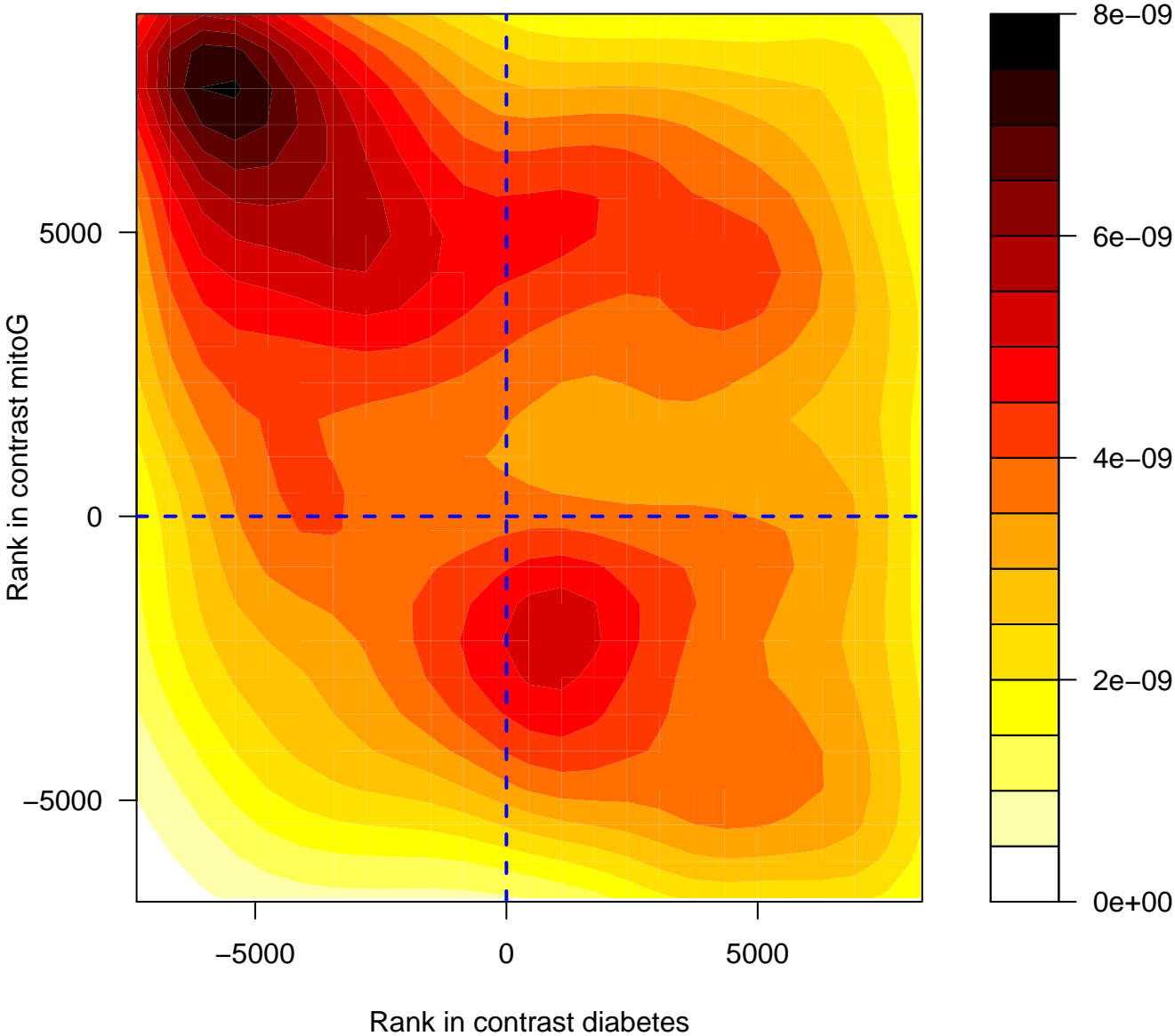
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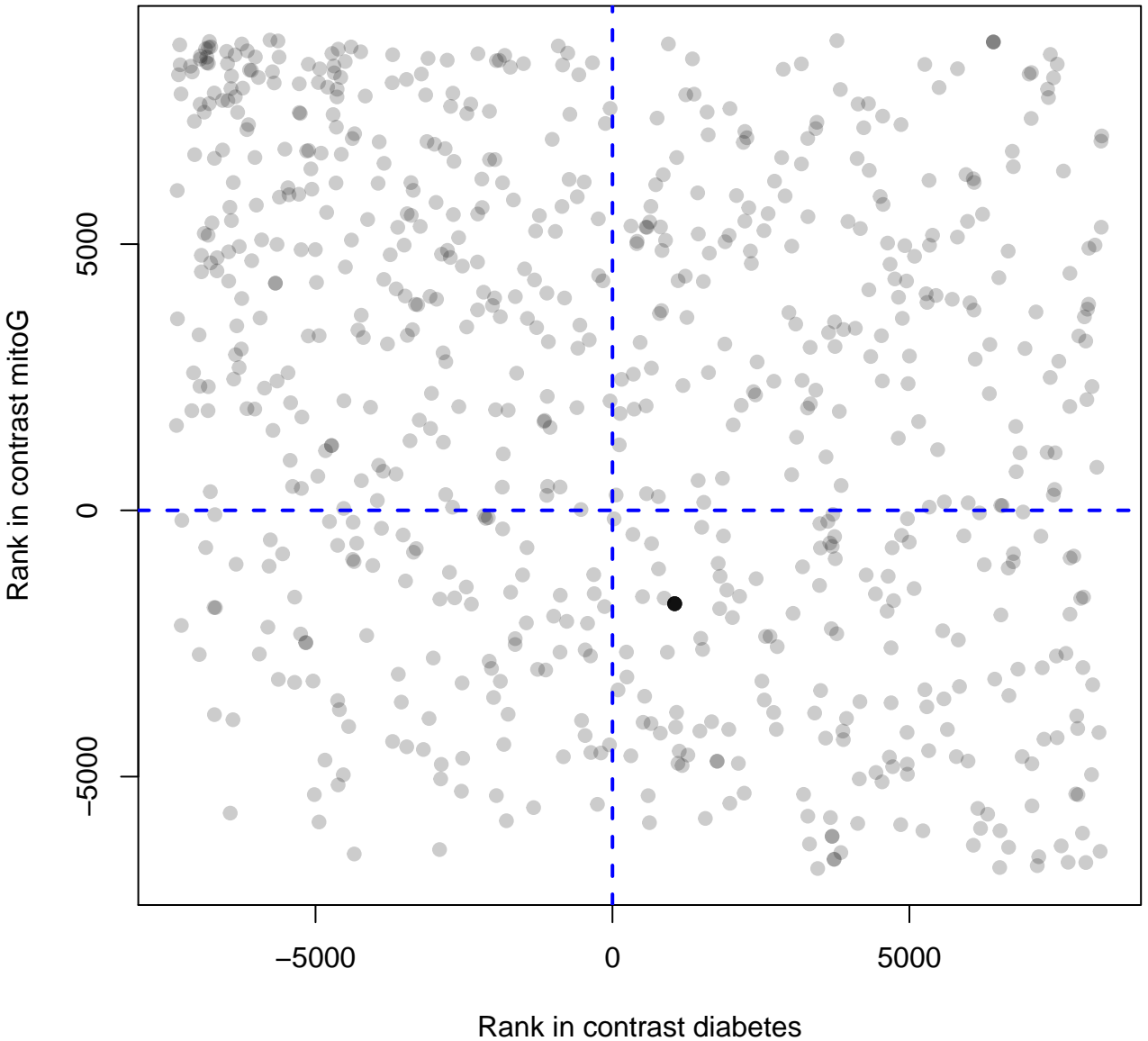
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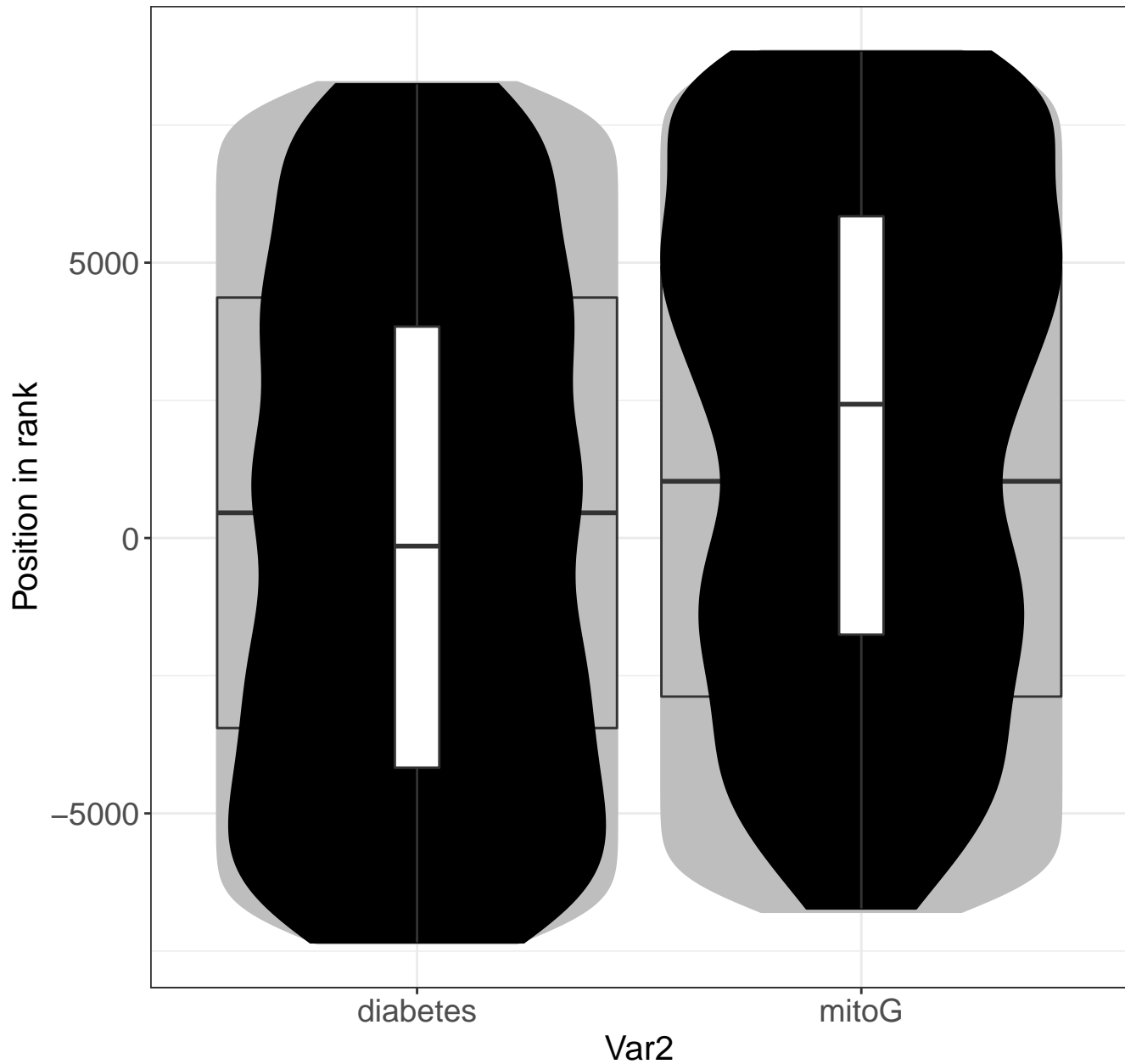
# Cytokine Signaling in Immune system



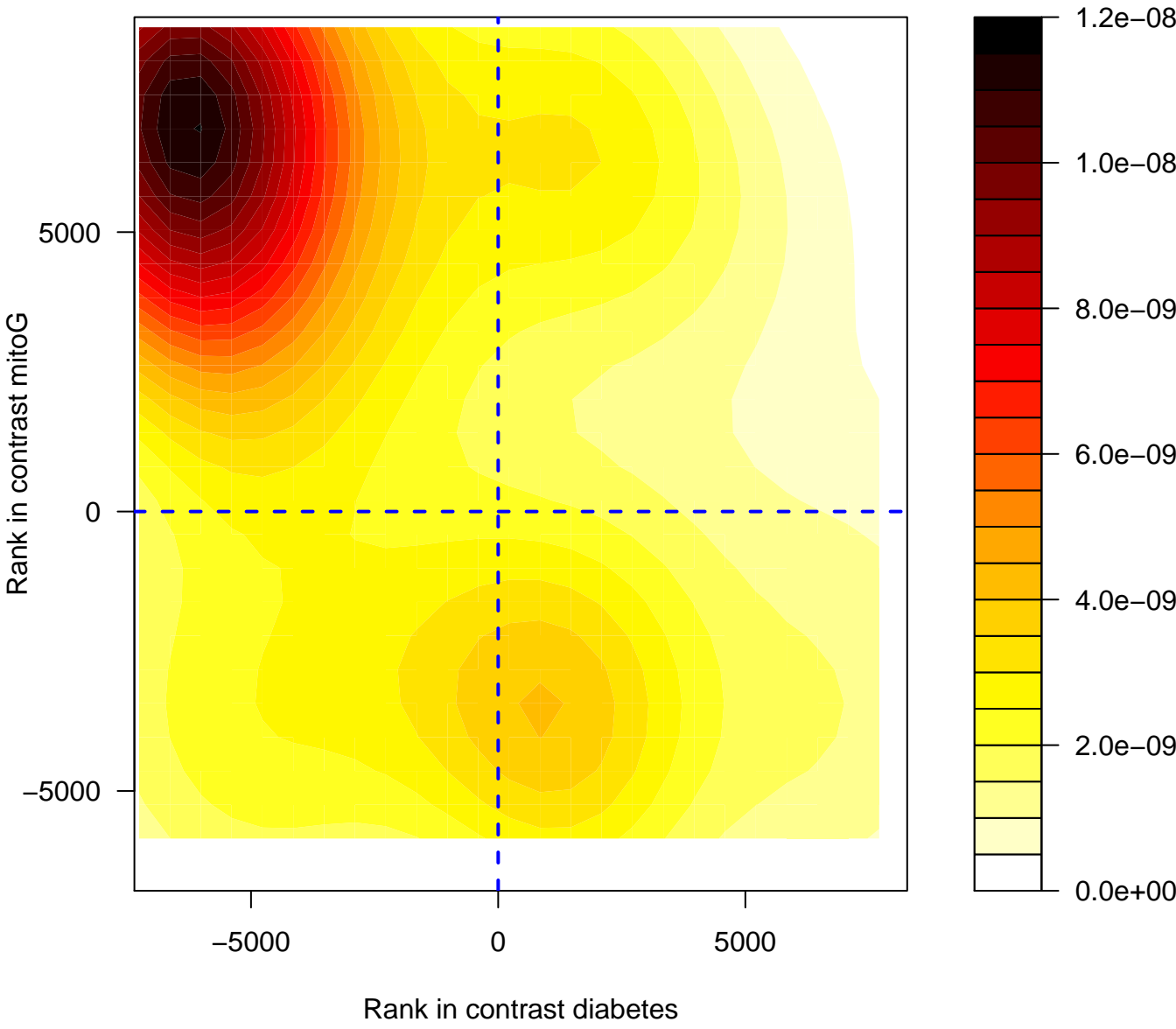
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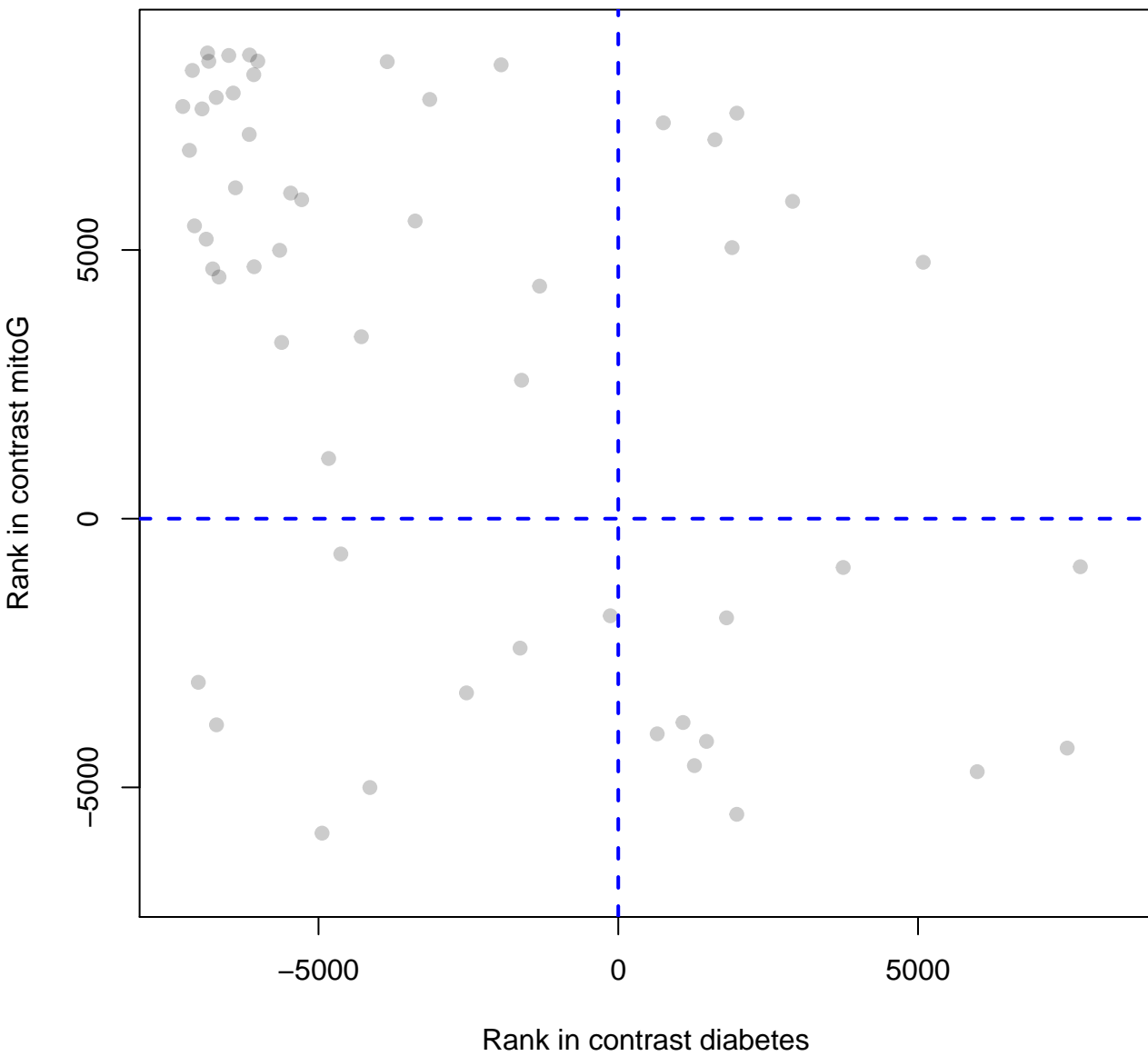
# Cytokine Signaling in Immune system



stantants that don't undergo autocatalytic processing are degraded

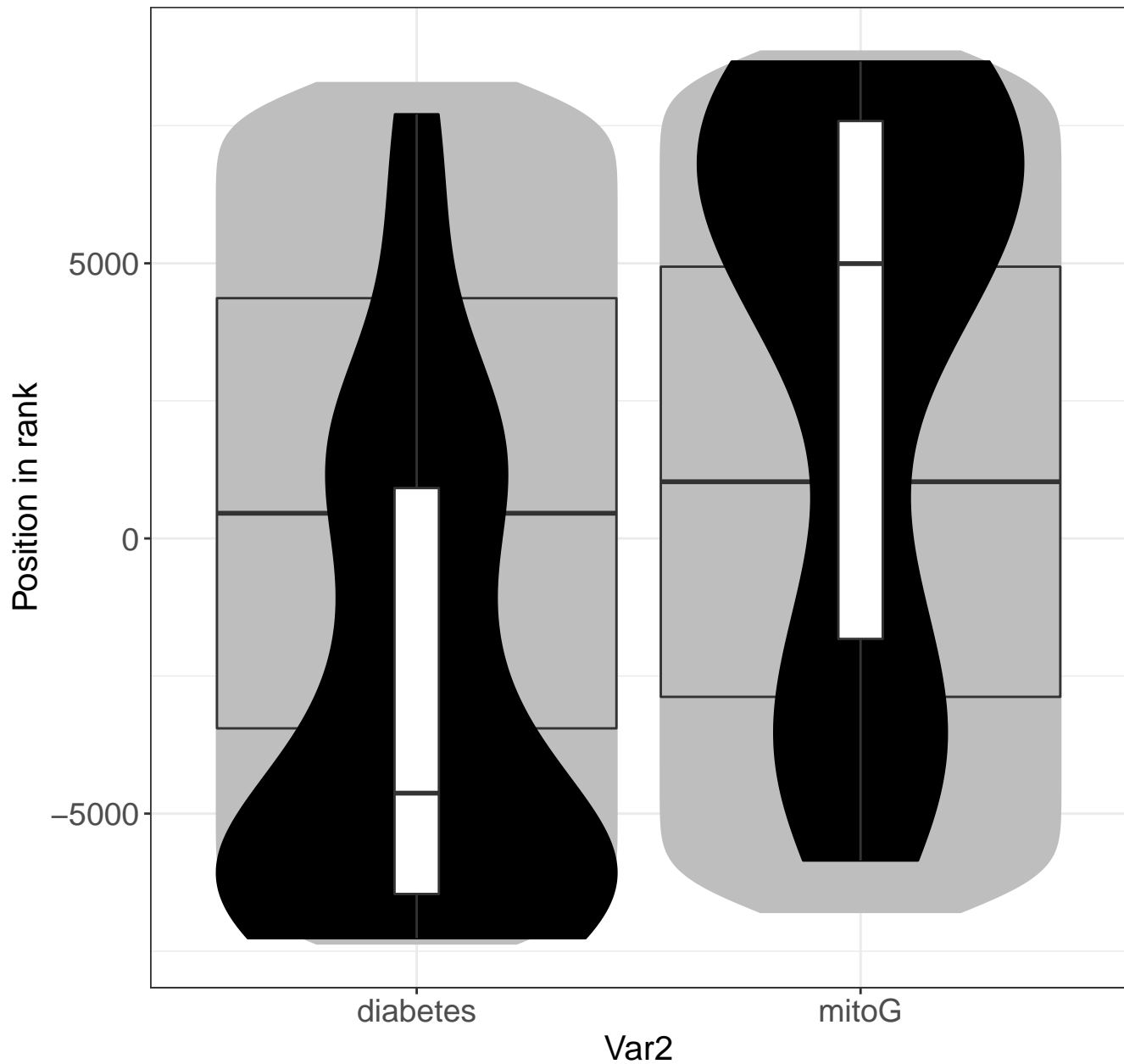


Hh mutants that don't undergo autocatalytic processing are degraded by EF

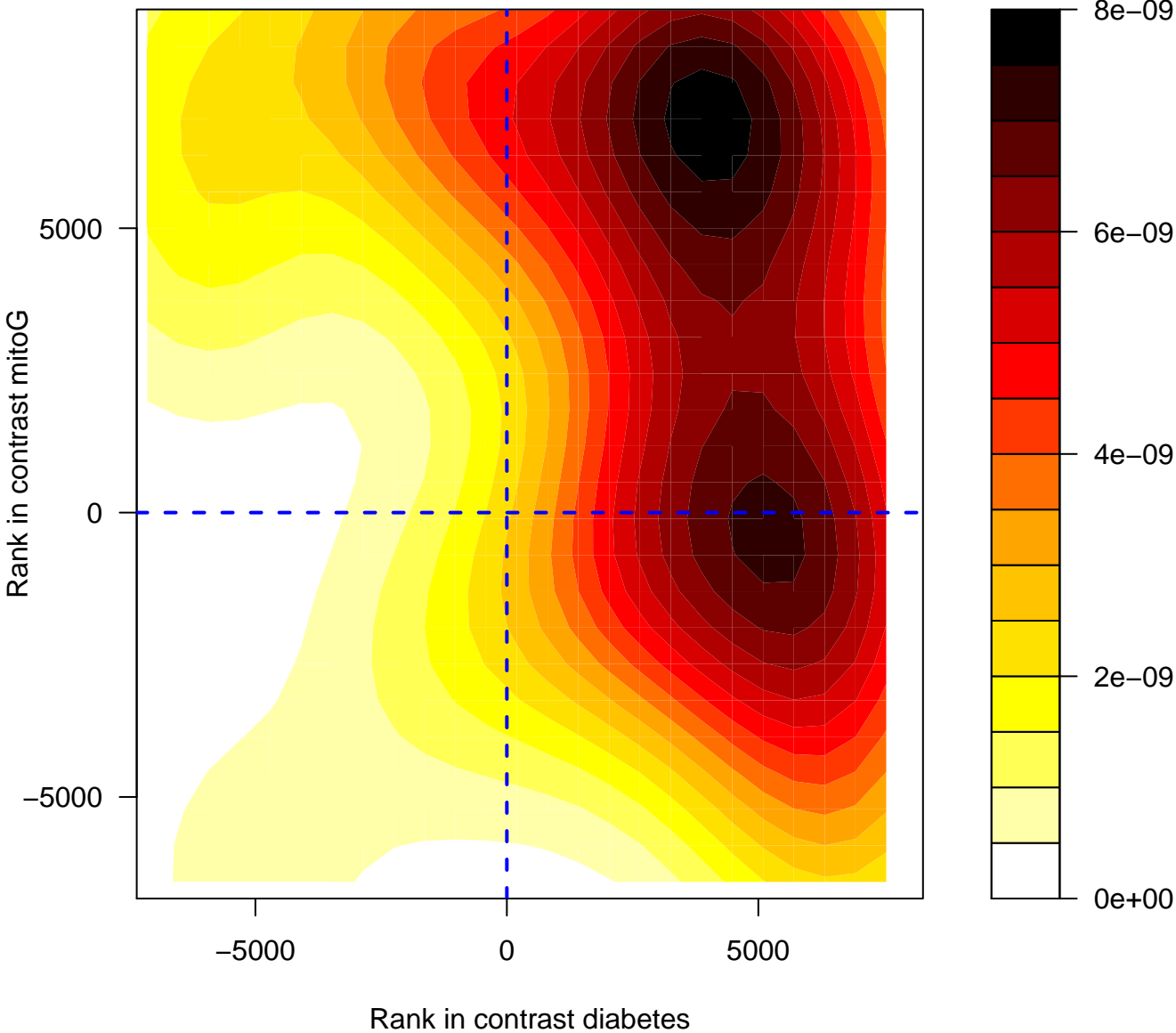




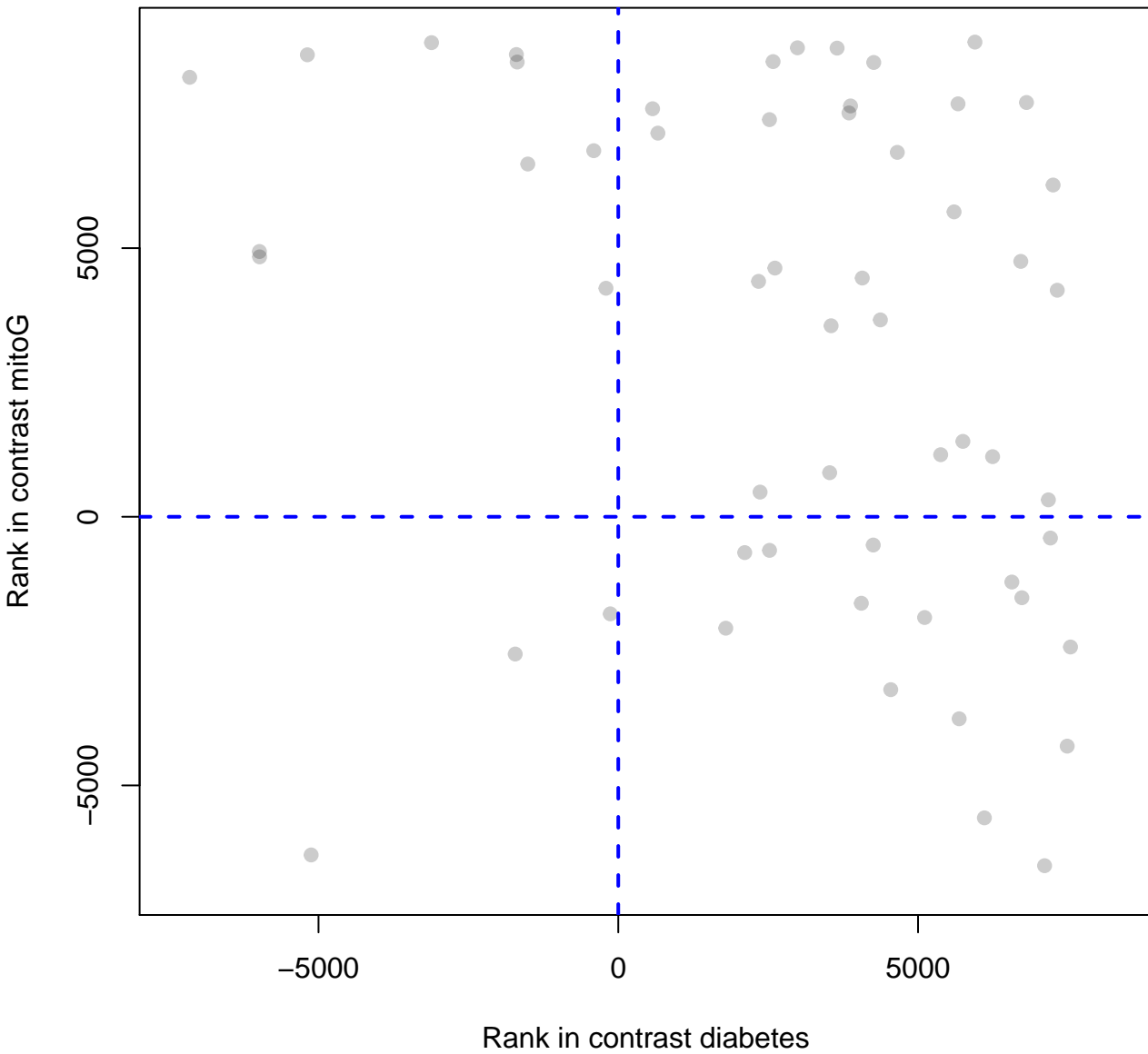
# Hh mutants that don't undergo autocatalytic process



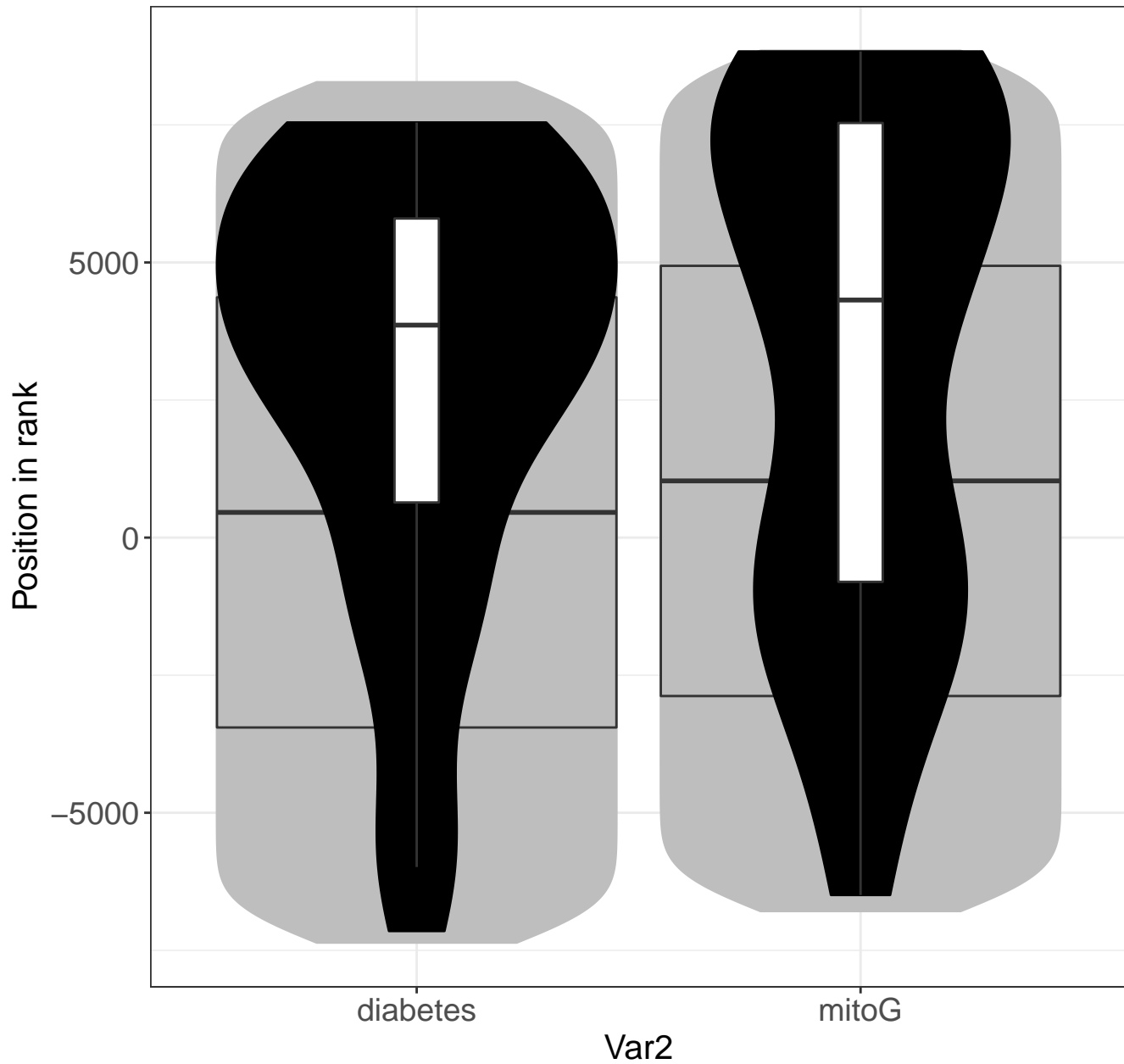
# Viral mRNA Translation



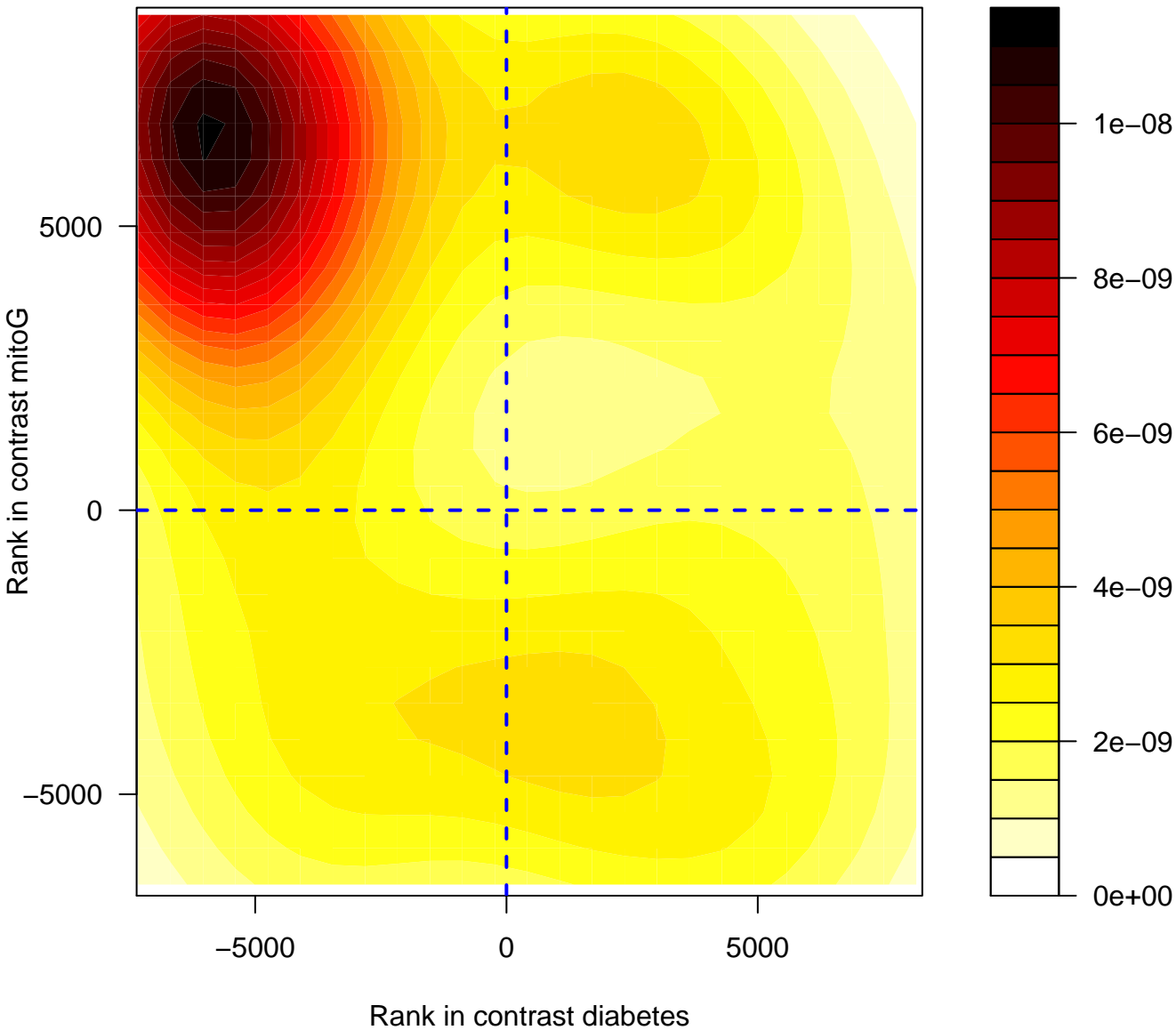
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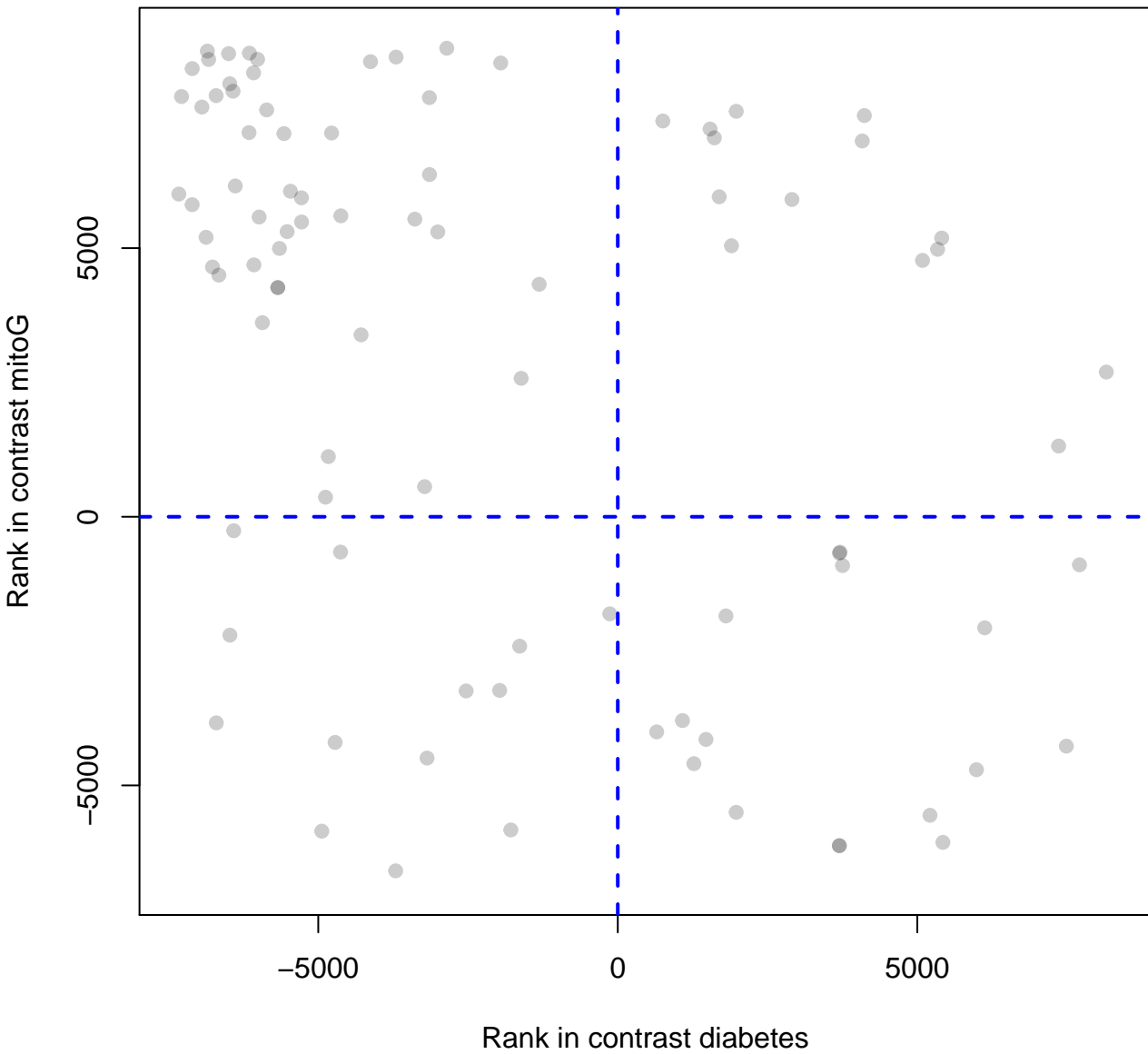
# Viral mRNA Translation



# Antigen processing–Cross presentation



# Antigen processing–Cross presentation



# Antigen processing–Cross presentation

