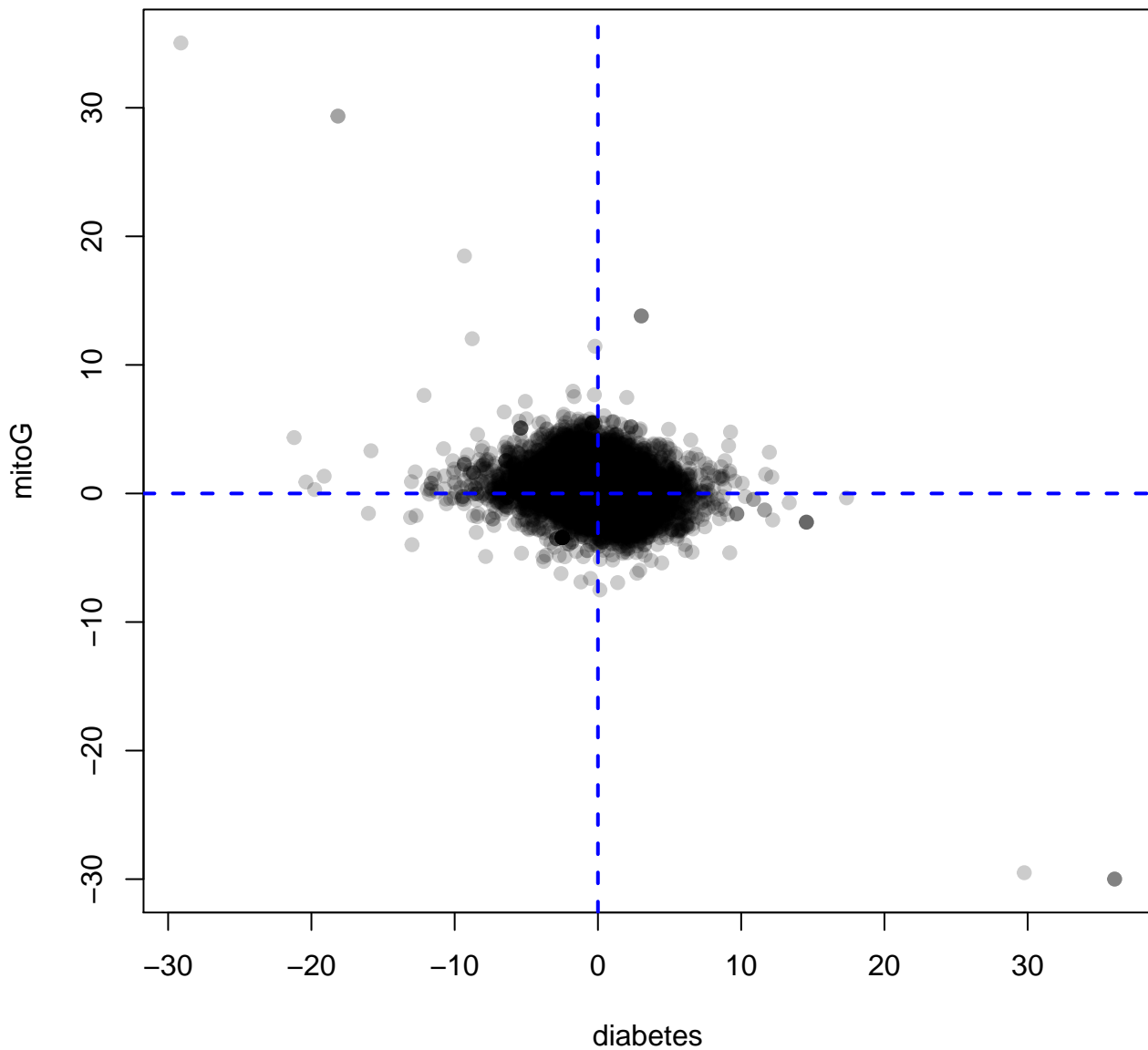
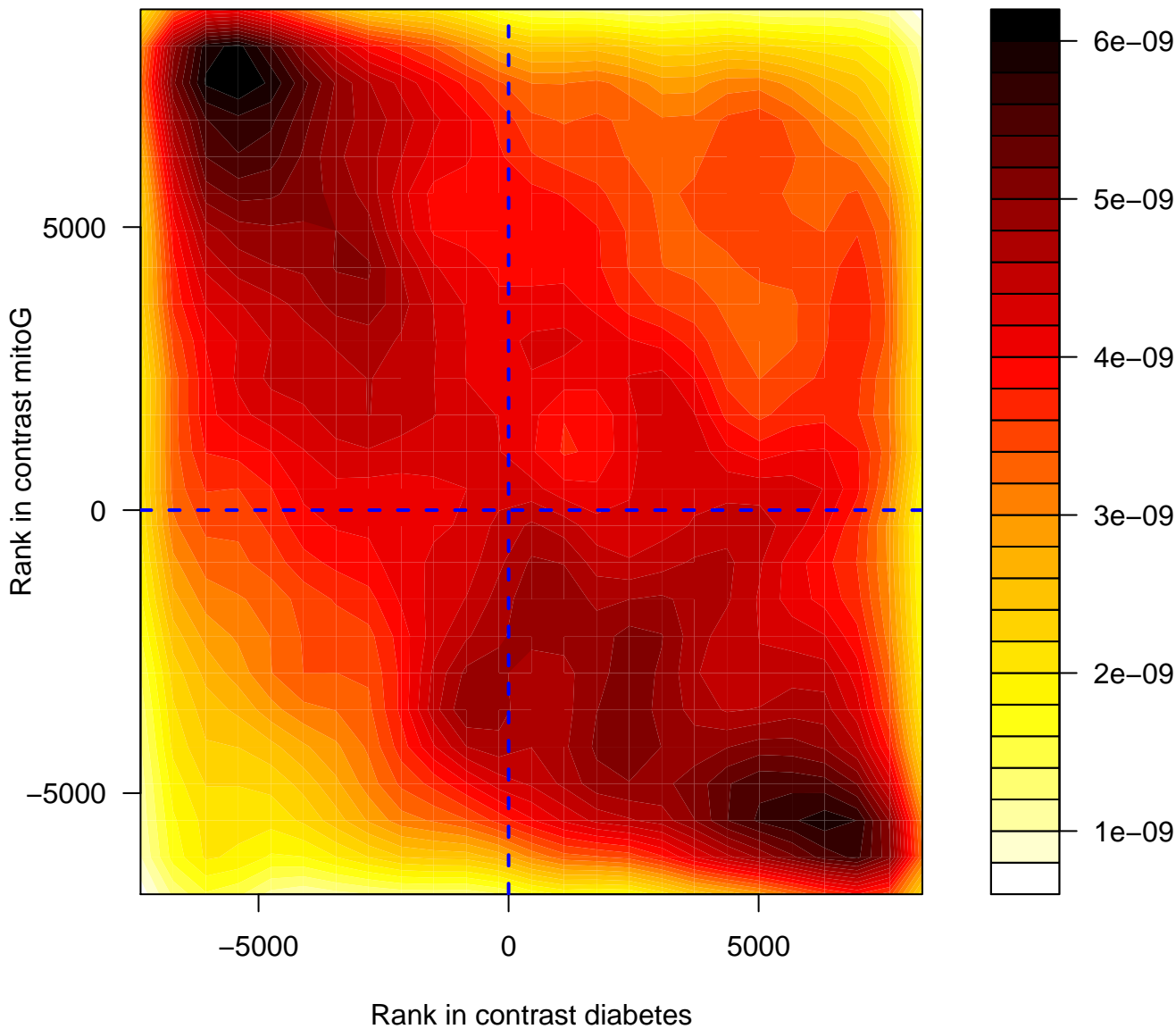


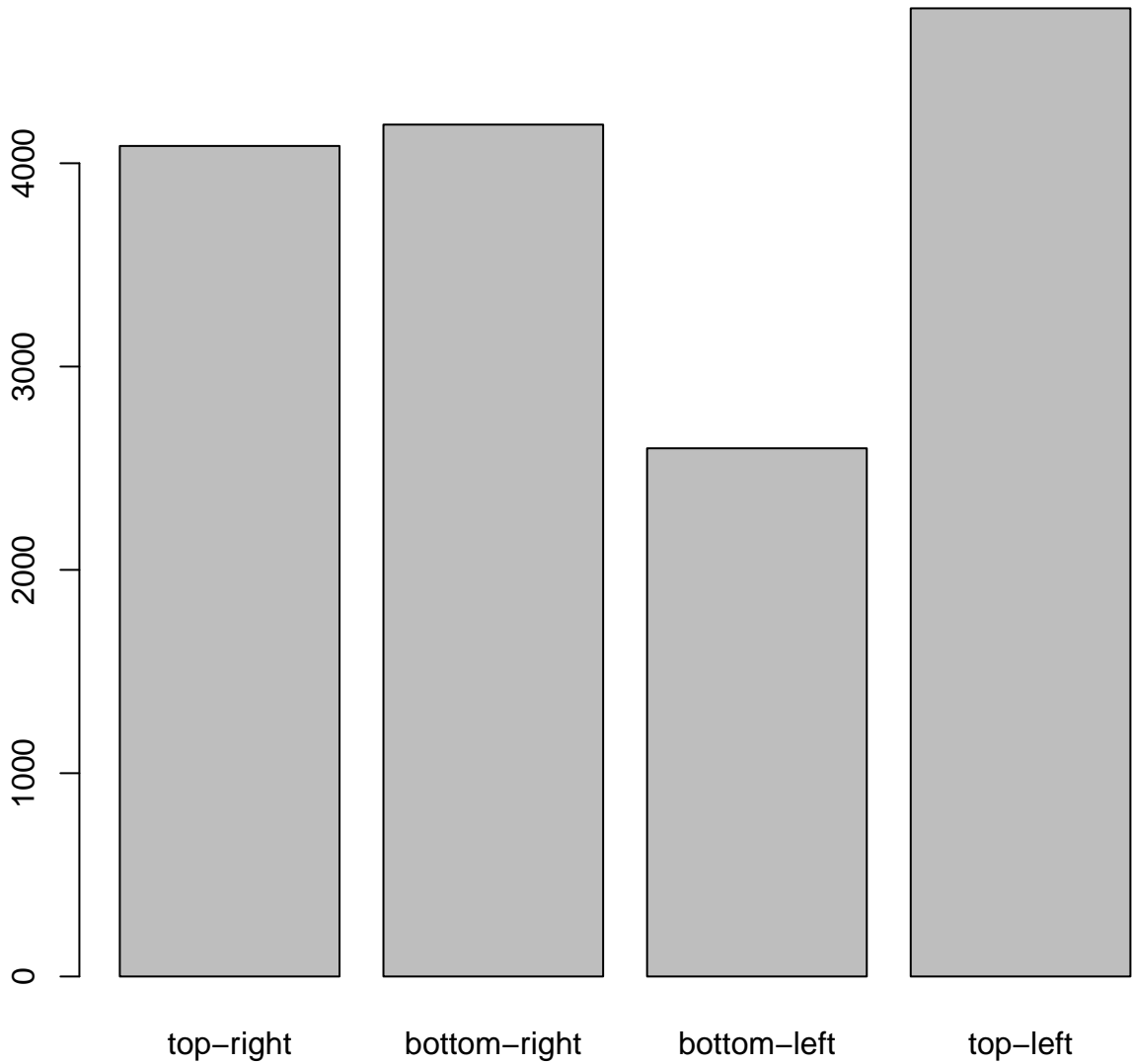
# Scatterplot of all genes



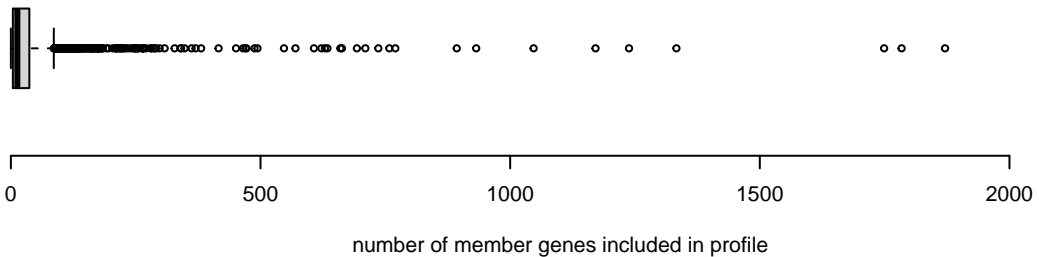
# Rank-rank plot of all genes



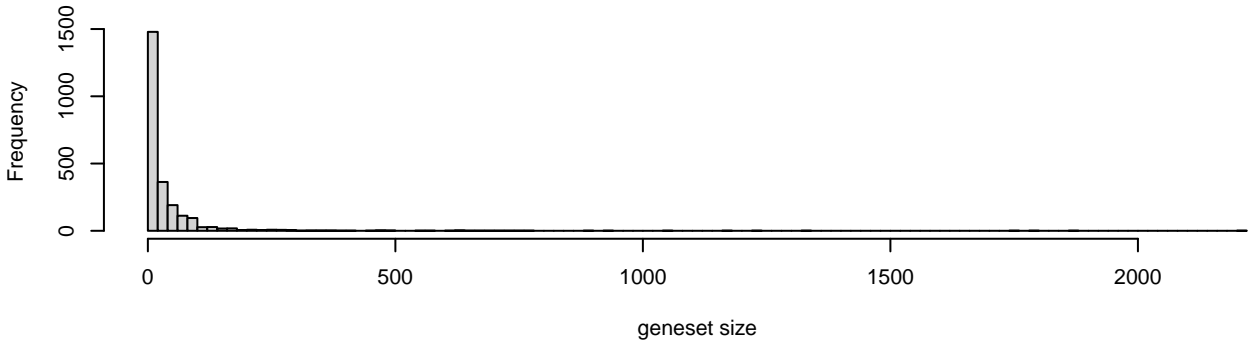
# number of genes in each quadrant



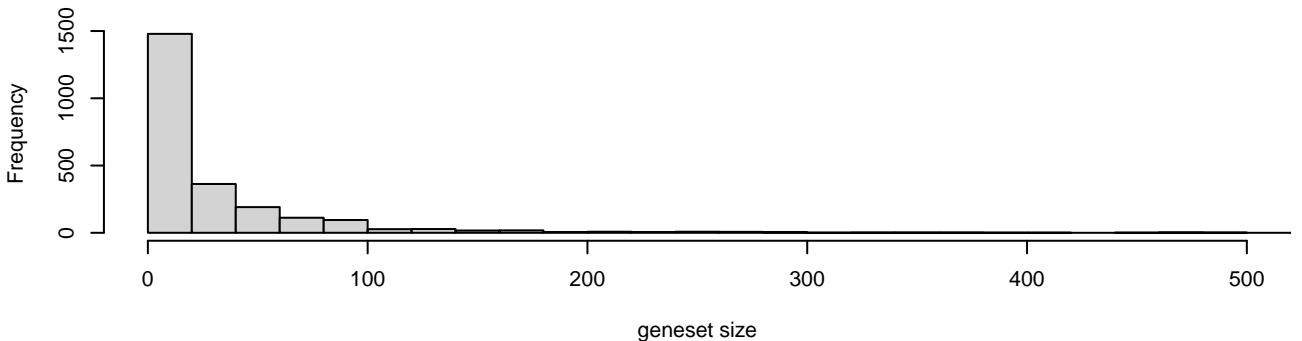
### Gene set size



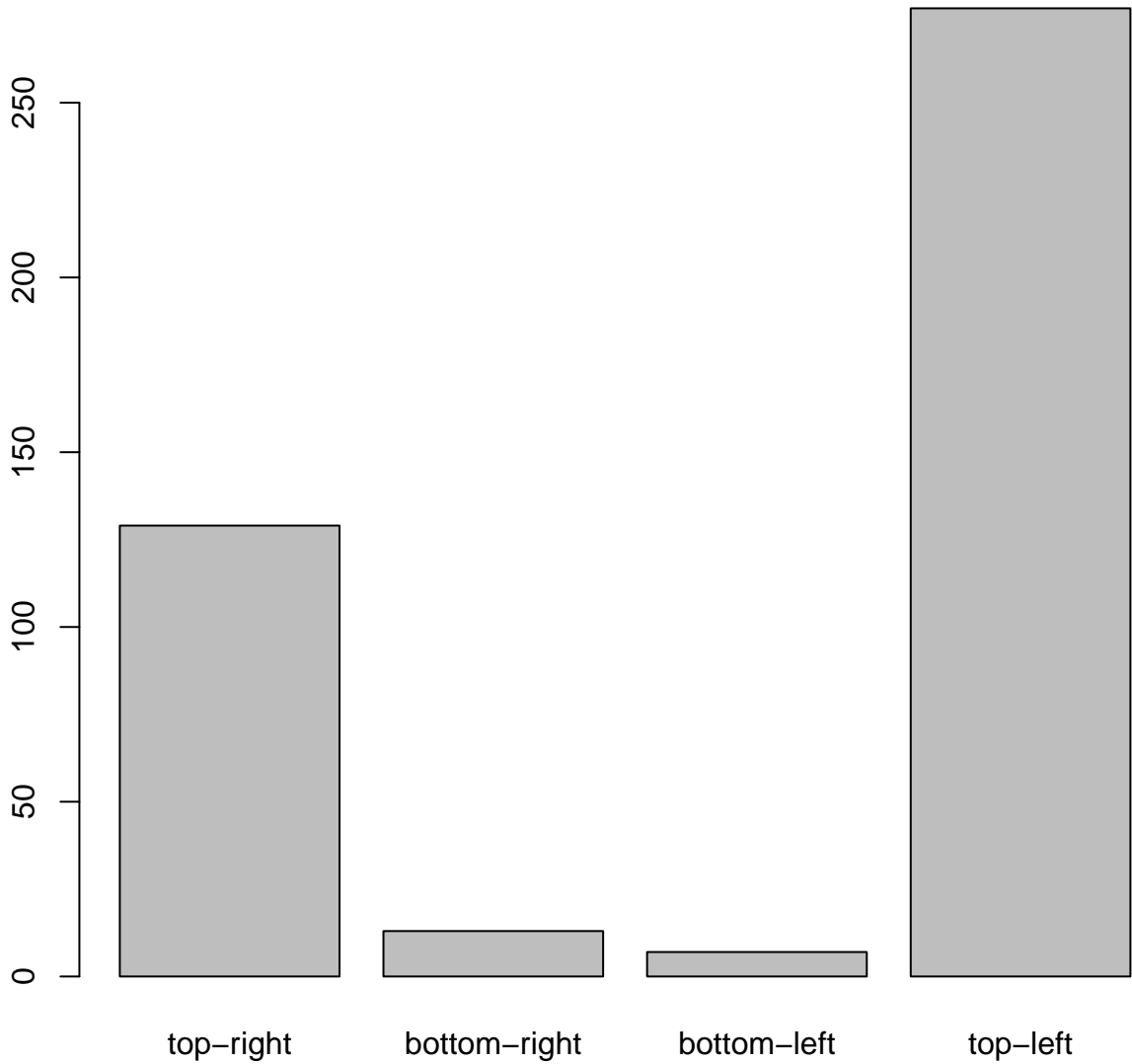
### Histogram of geneset size



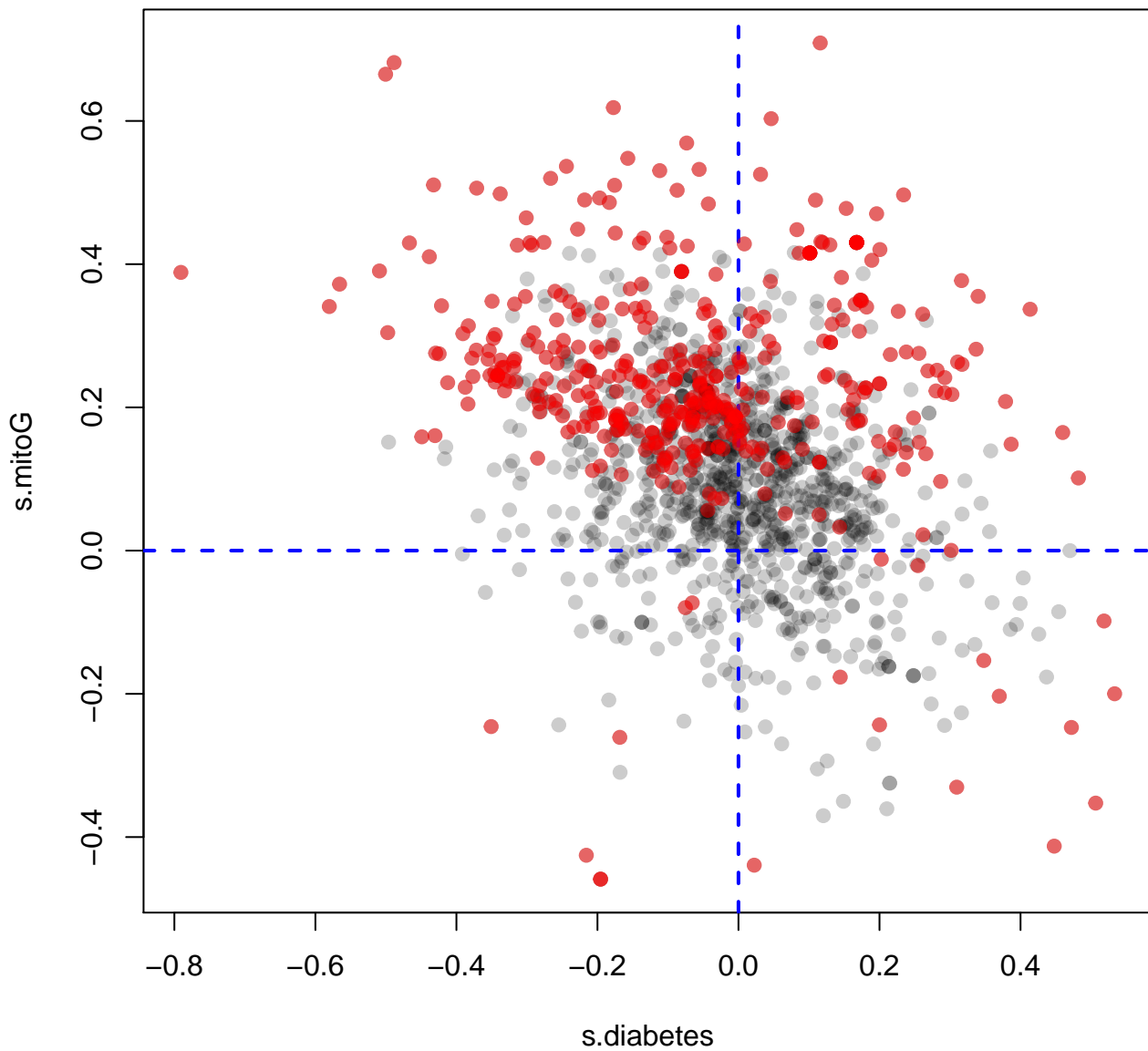
### Trimmed histogram of geneset size



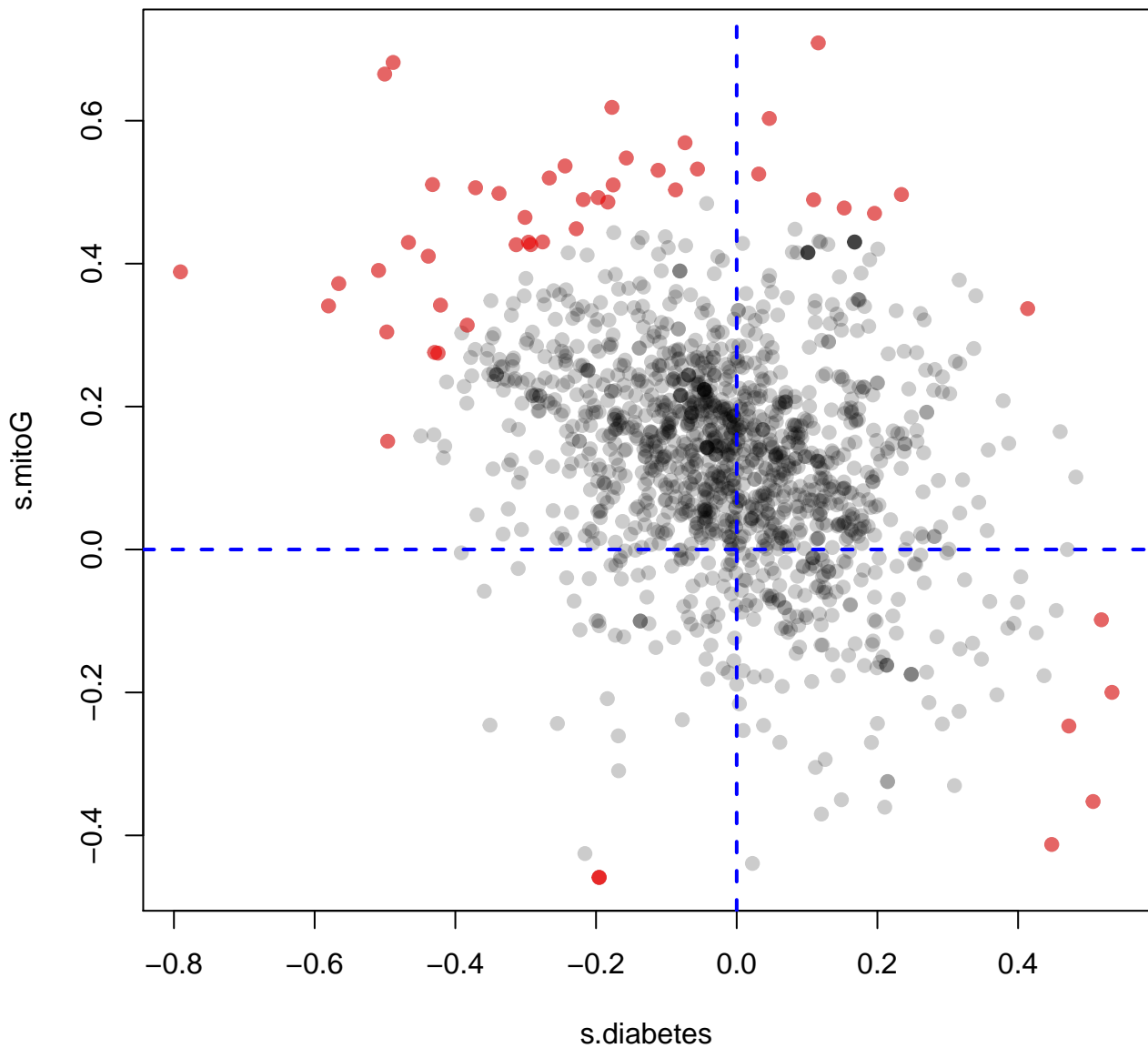
# number of genesets FDR<0.05



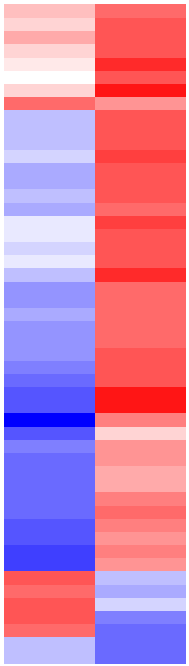
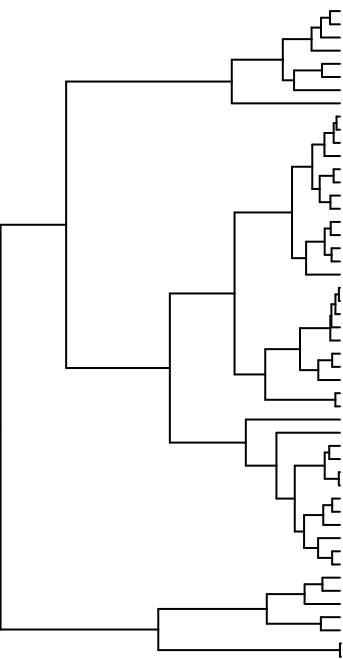
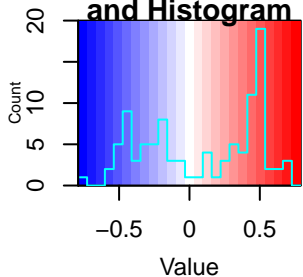
Scatterplot of all gene sets; FDR<0.05 in red



Scatterplot of all gene sets; top 50 in red



# Color Key and Histogram



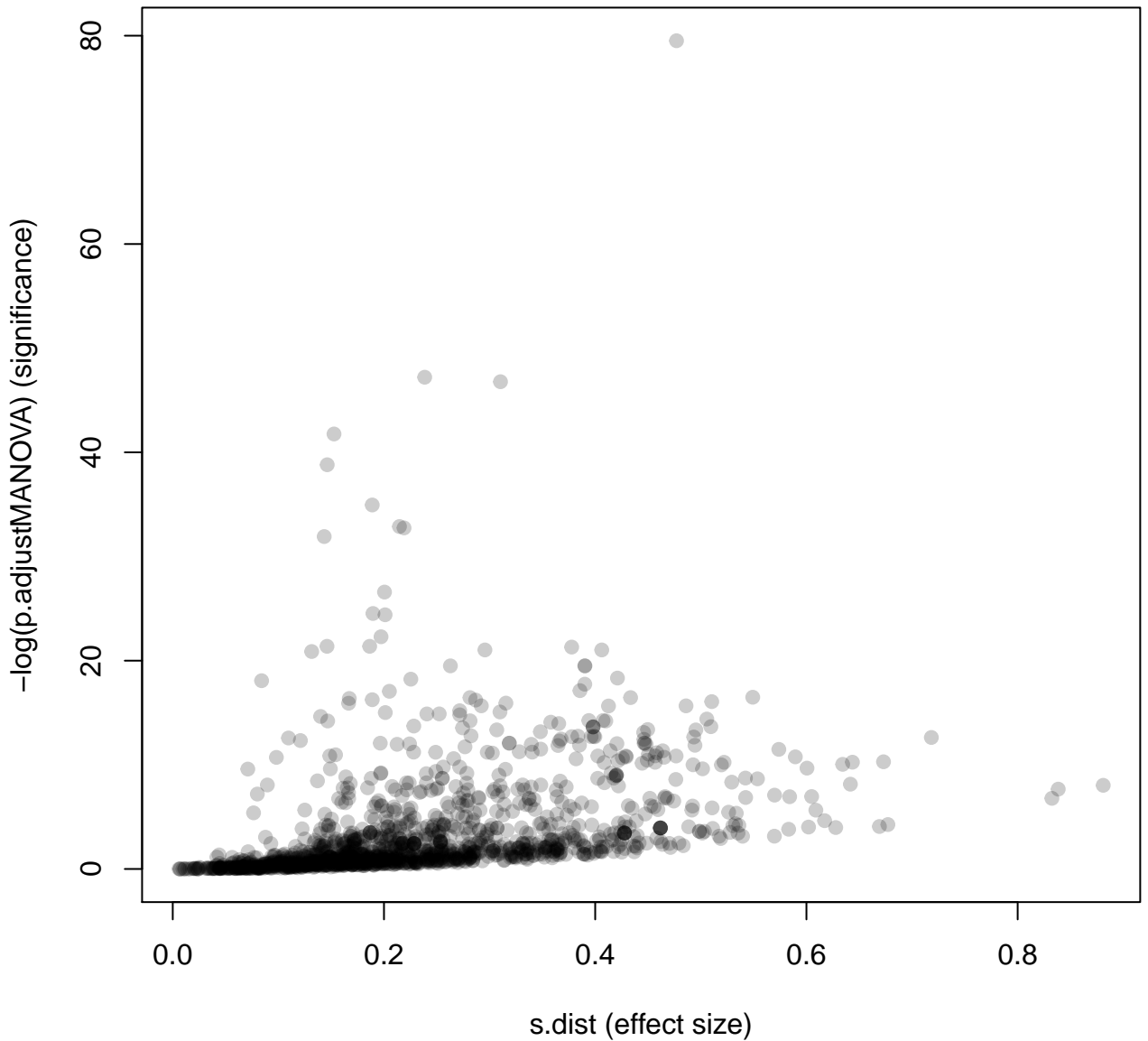
- Molecules associated with elastic fibres
- CDC6 association with the ORC:origin complex
- Cell-extracellular matrix interactions
- Apoptosis induced DNA fragmentation
- Metabolism of nitric oxide: NOS3 activation and regulation
- CD22 mediated BCR regulation
- Signaling by Hippo
- Response of EIF2AK1 (HRI) to heme deficiency
- RHO GTPases activate IQGAPs
- CTLA4 inhibitory signaling
- HSP90 chaperone cycle for steroid hormone receptors (SHR)
- Sema3A PAK dependent Axon repulsion
- FCGR activation
- IRAK4 deficiency (TLR2/4)
- Establishment of Sister Chromatid Cohesion
- Folding of actin by CCT/TriC
- AUF1 (hnRNP D0) binds and destabilizes mRNA
- Hh mutants that don't undergo autocatalytic processing are degraded by ERAD
- Cooperation of Prefoldin and TriC/CCT in actin and tubulin folding
- Formation of tubulin folding intermediates by CCT/TriC
- ATF6 (ATF6-alpha) activates chaperone genes
- Pyrimidine salvage
- Mismatch repair (MMR) directed by MSH2:MSH3 (MutSbeta)
- Glucuronidation
- Acetylcholine binding and downstream events

diabetes

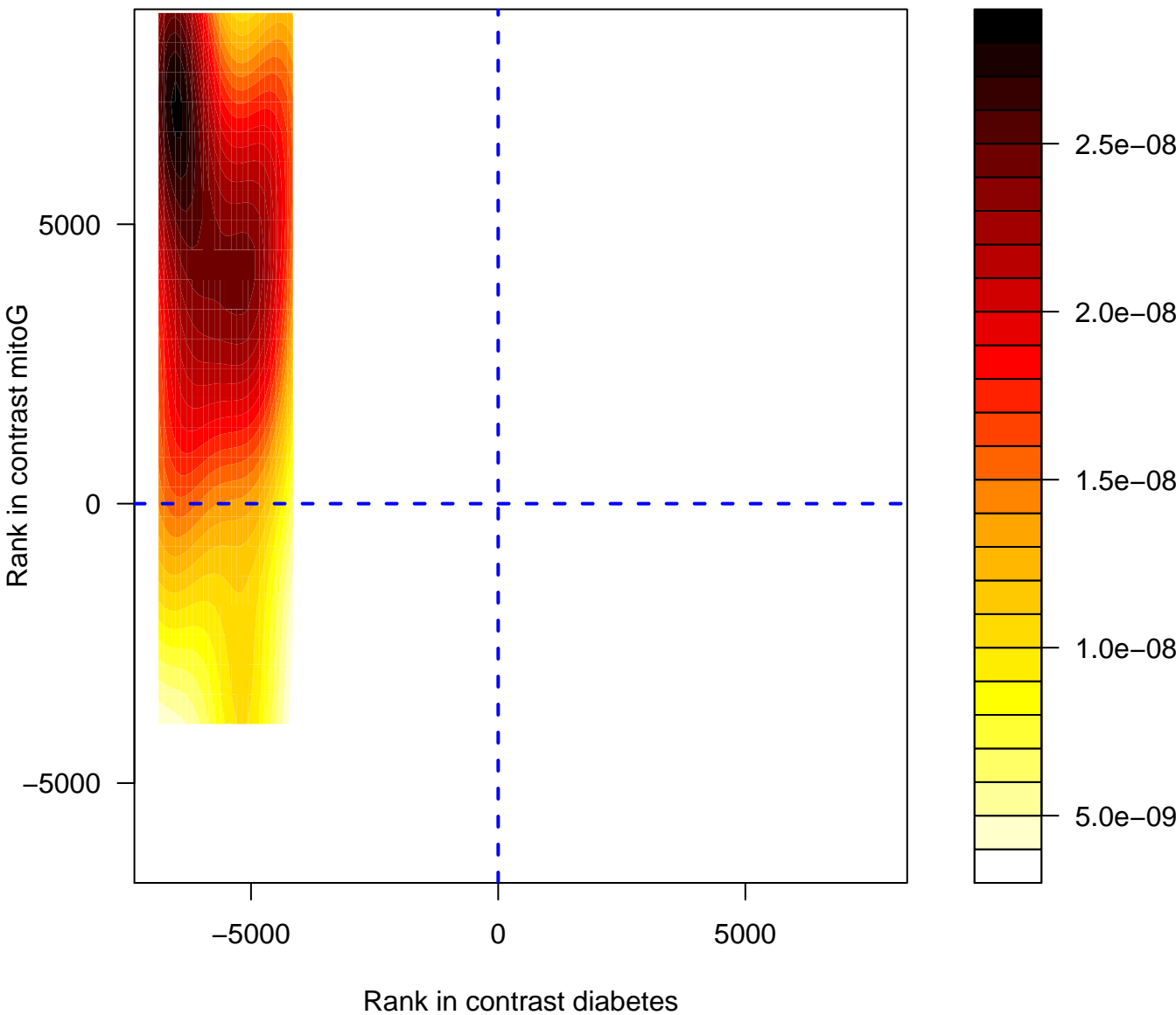
mitoG



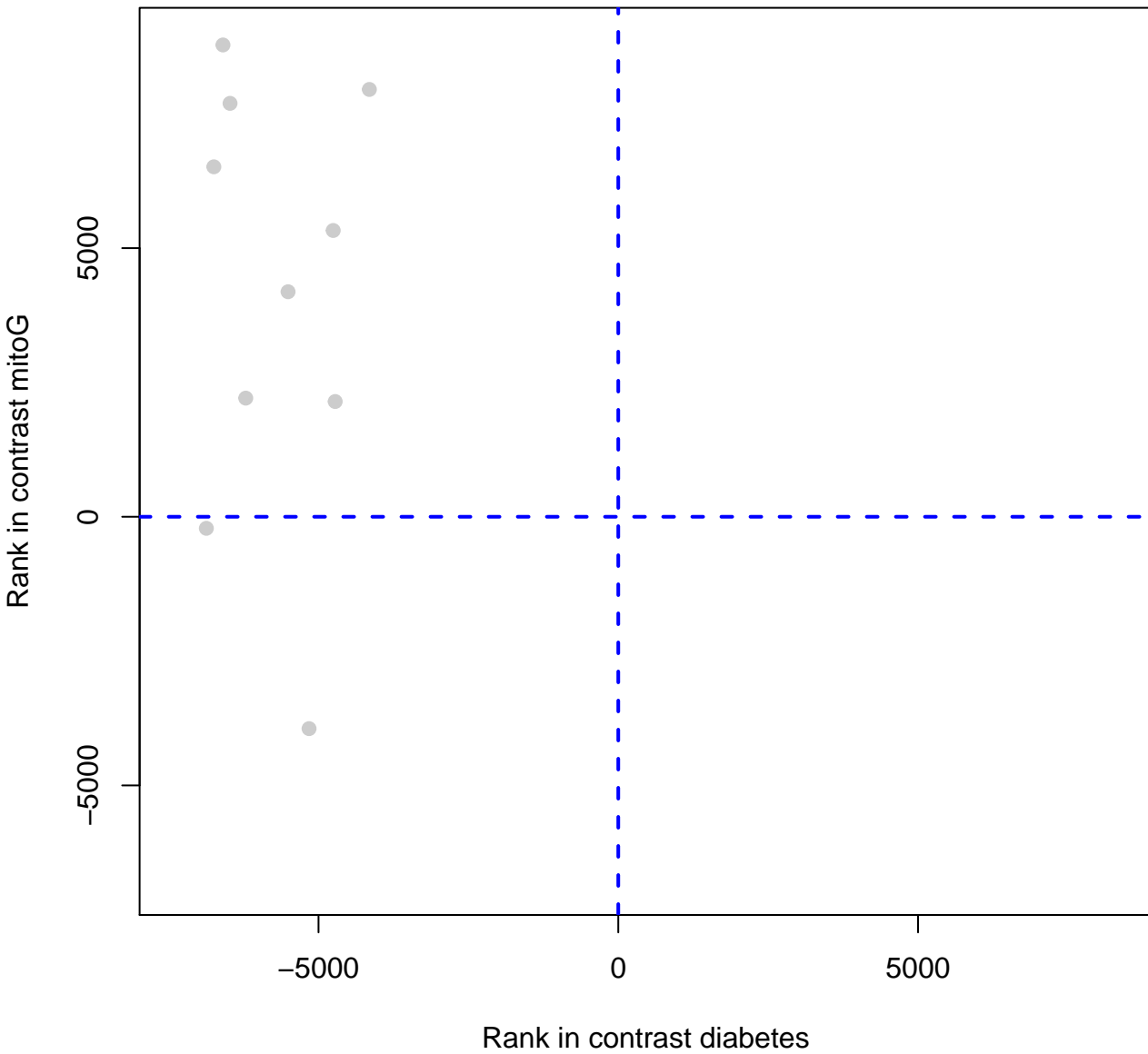
# effect size versus statistical significance



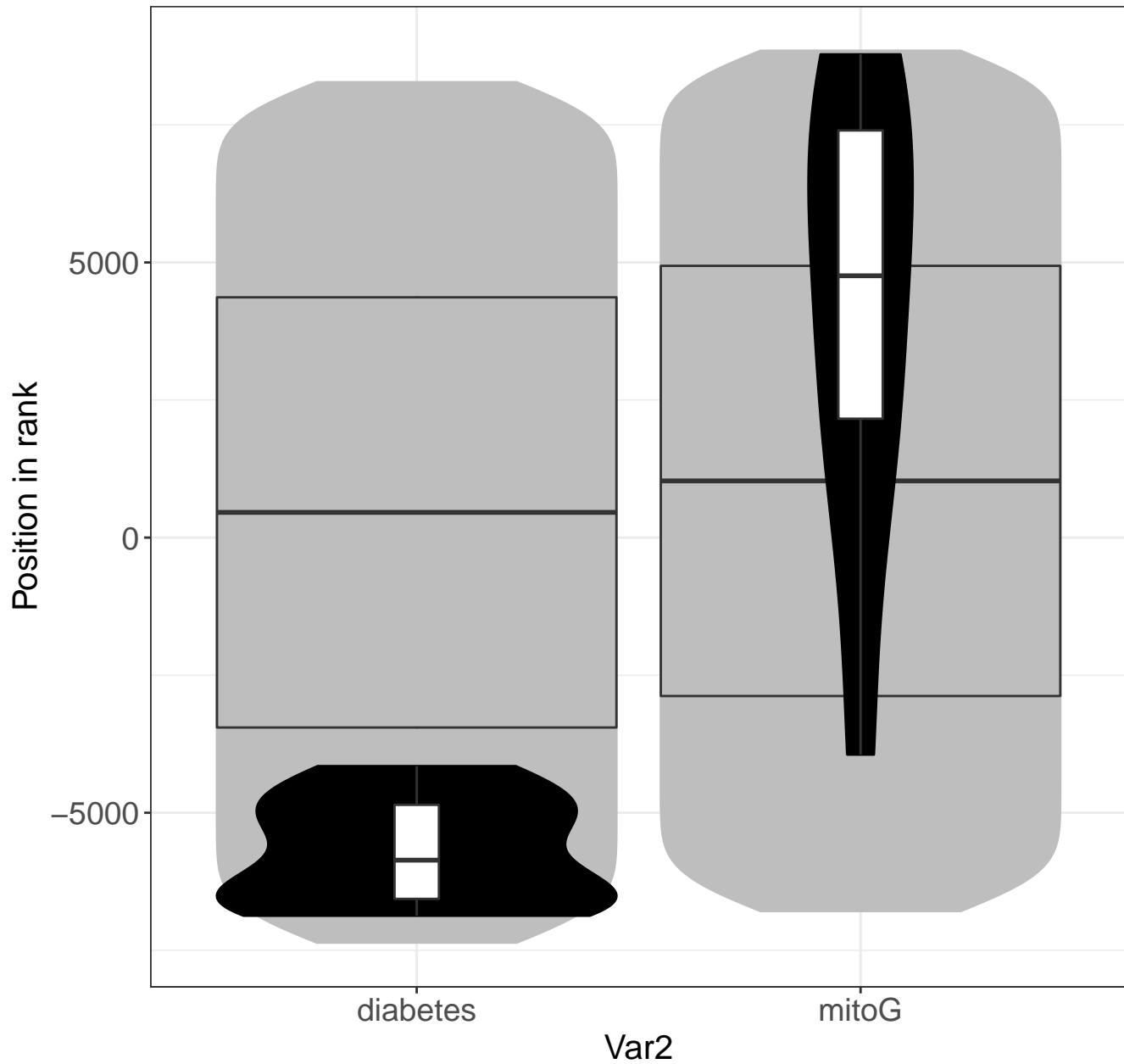
## Folding of actin by CCT/TriC



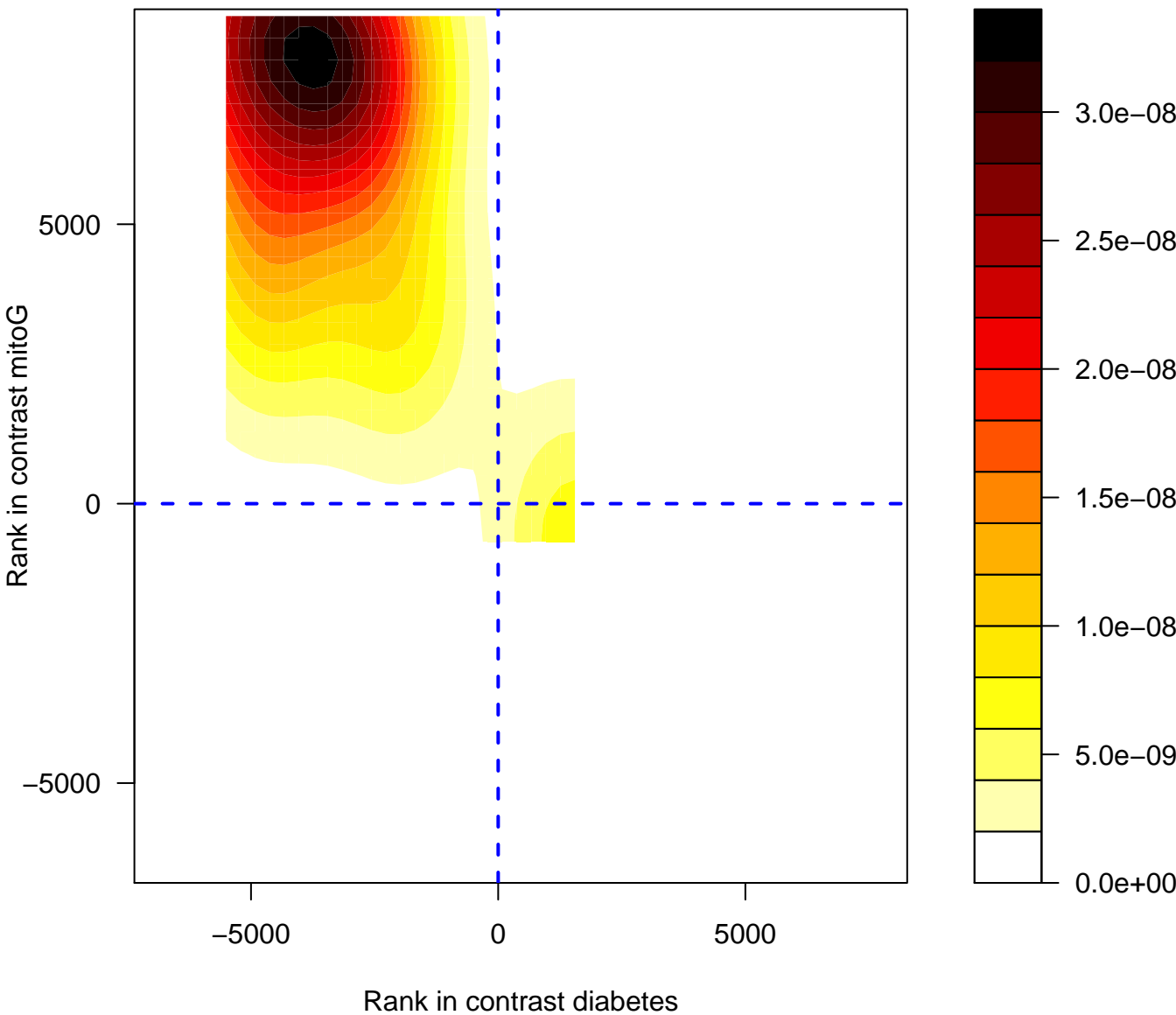
# Folding of actin by CCT/TriC



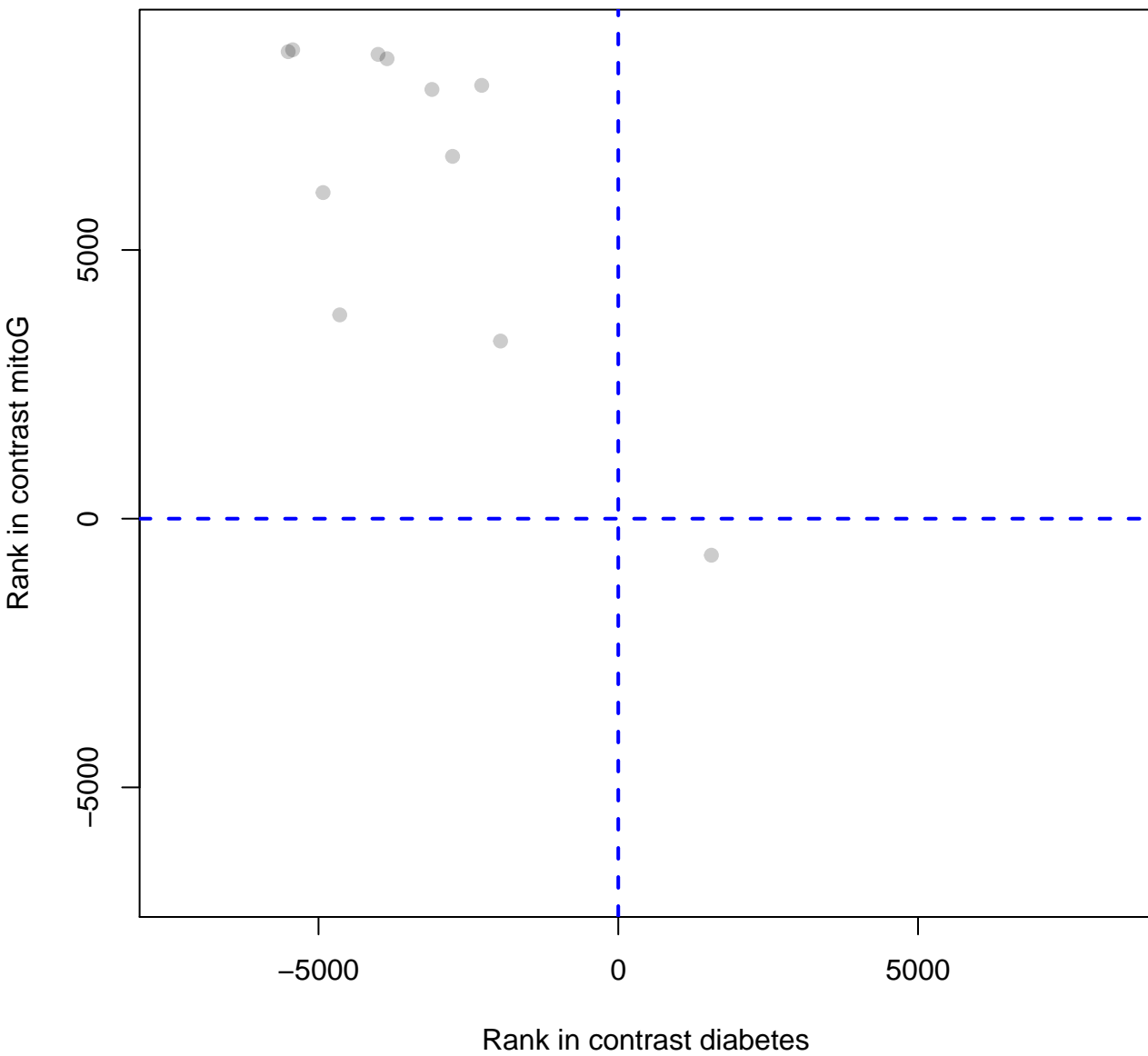
# Folding of actin by CCT/TriC



# Establishment of Sister Chromatid Cohesion



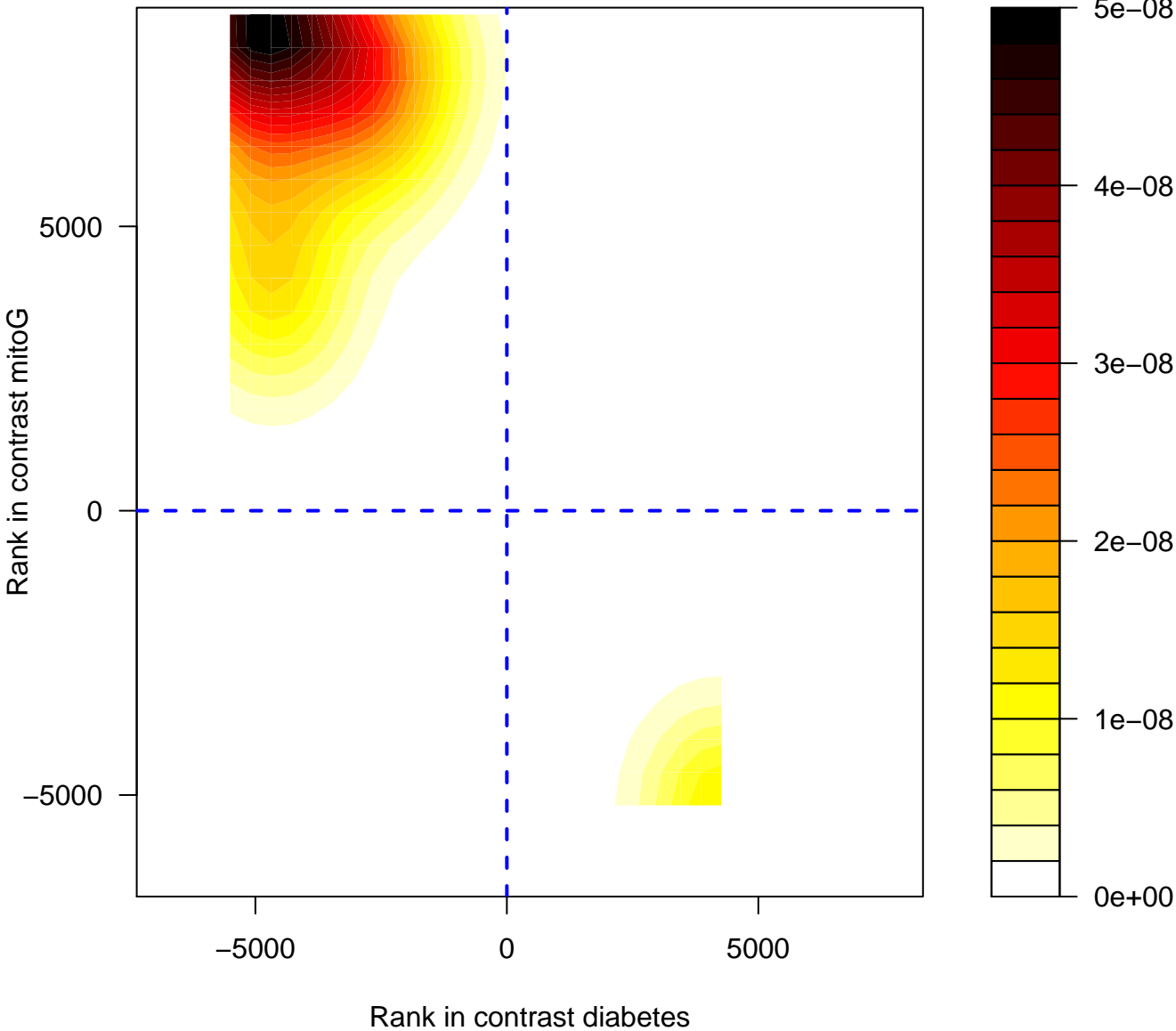
# Establishment of Sister Chromatid Cohesion



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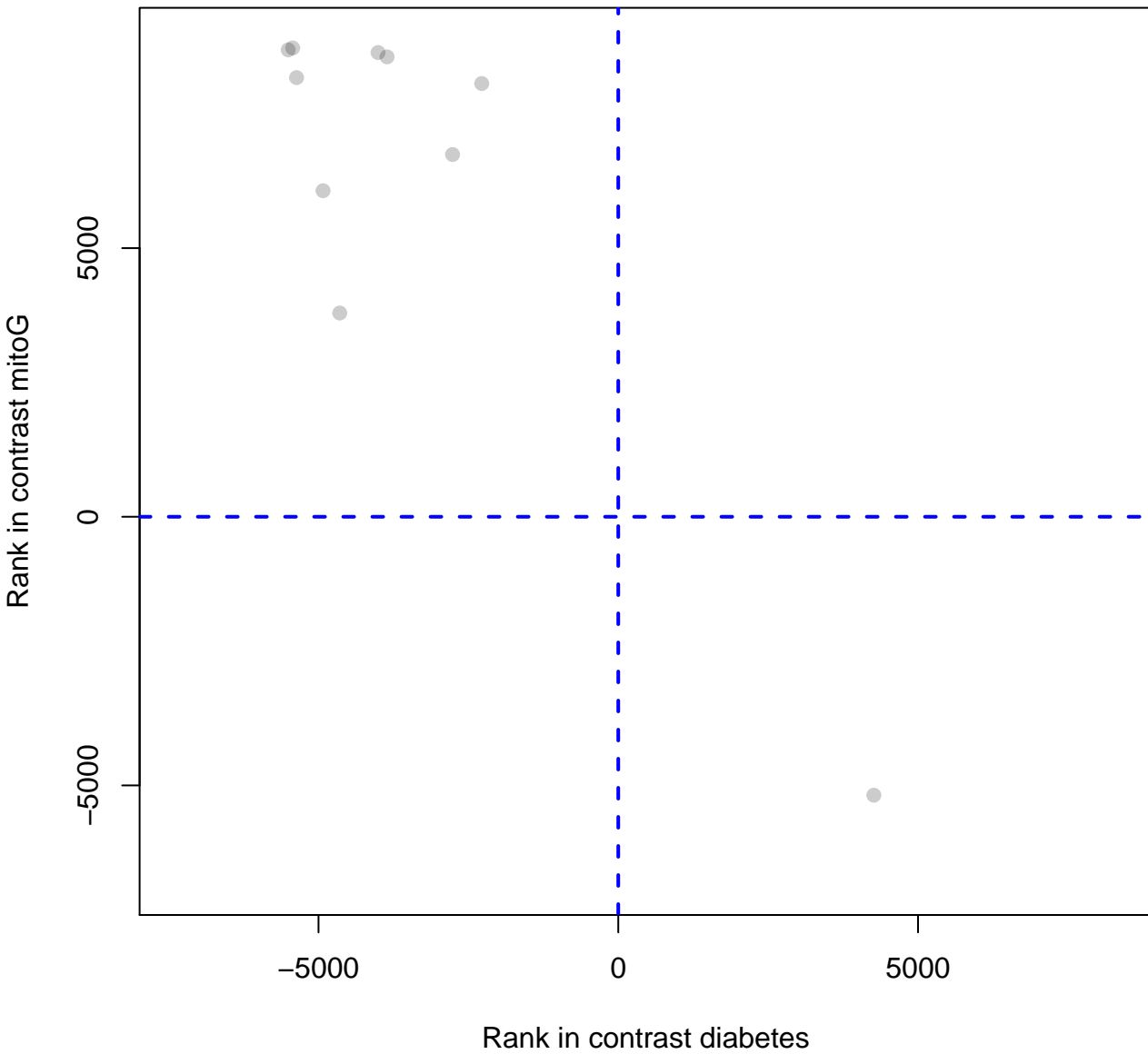


# Cohesin Loading onto Chromatin

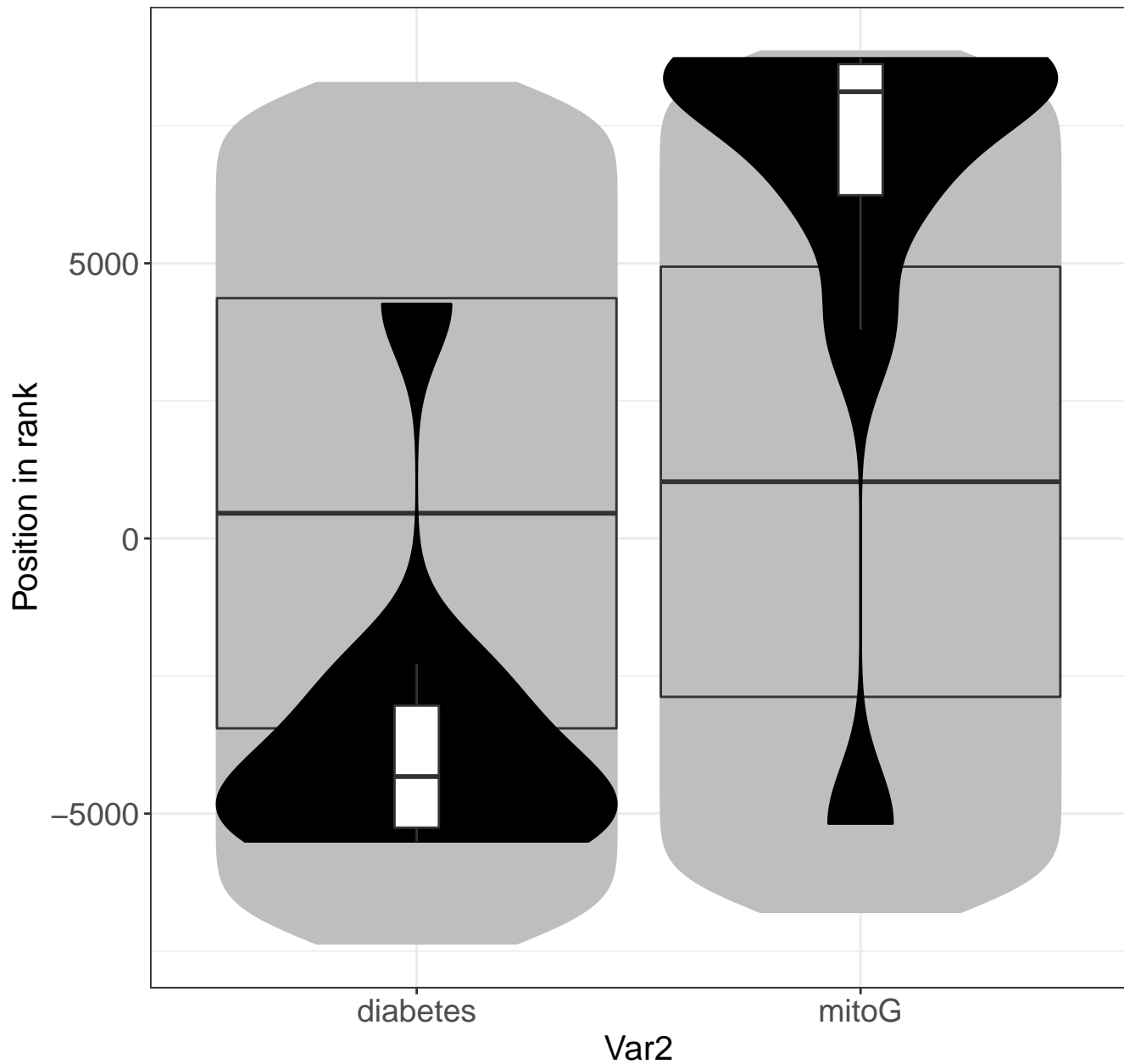




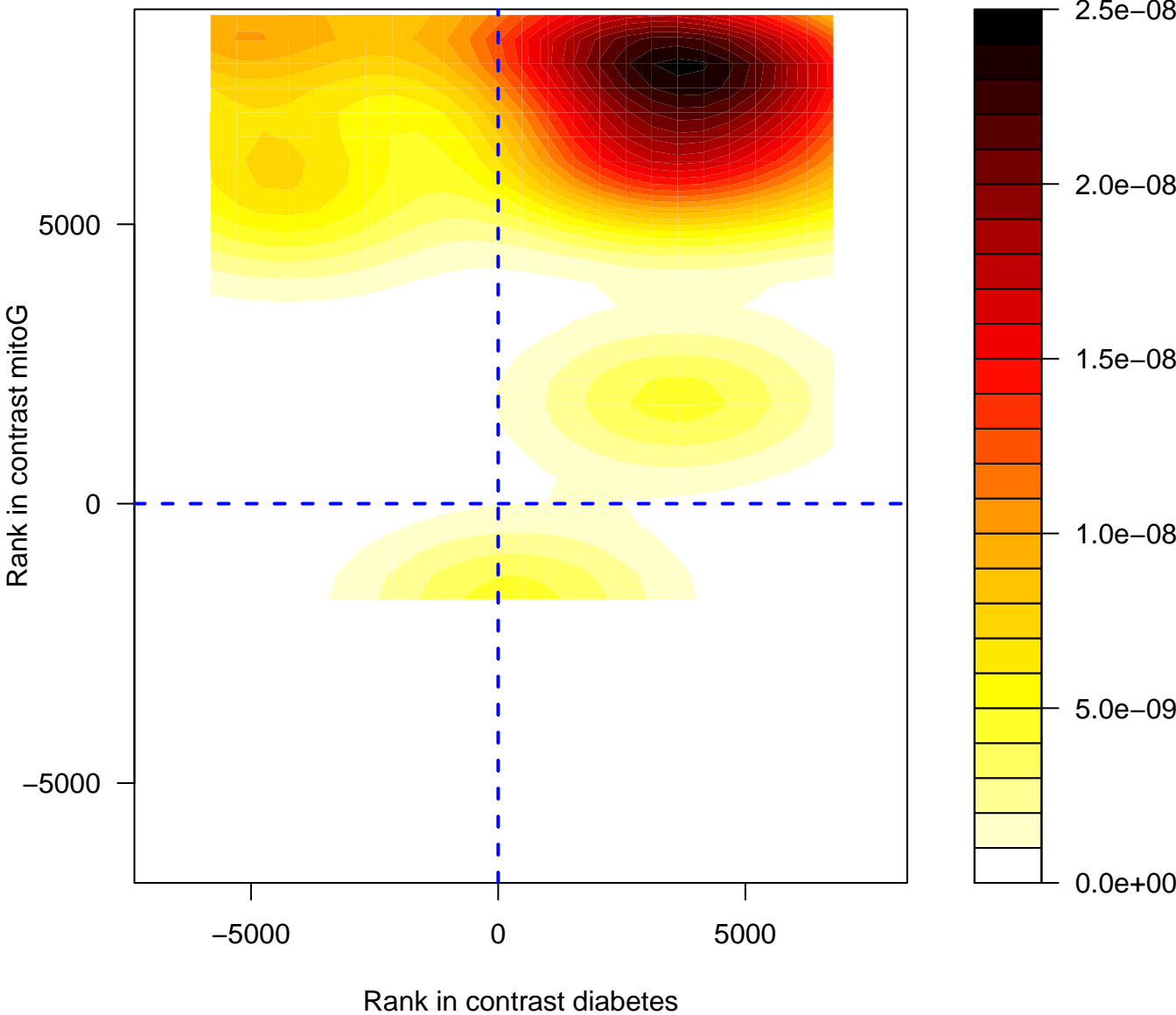
# Cohesin Loading onto Chromatin



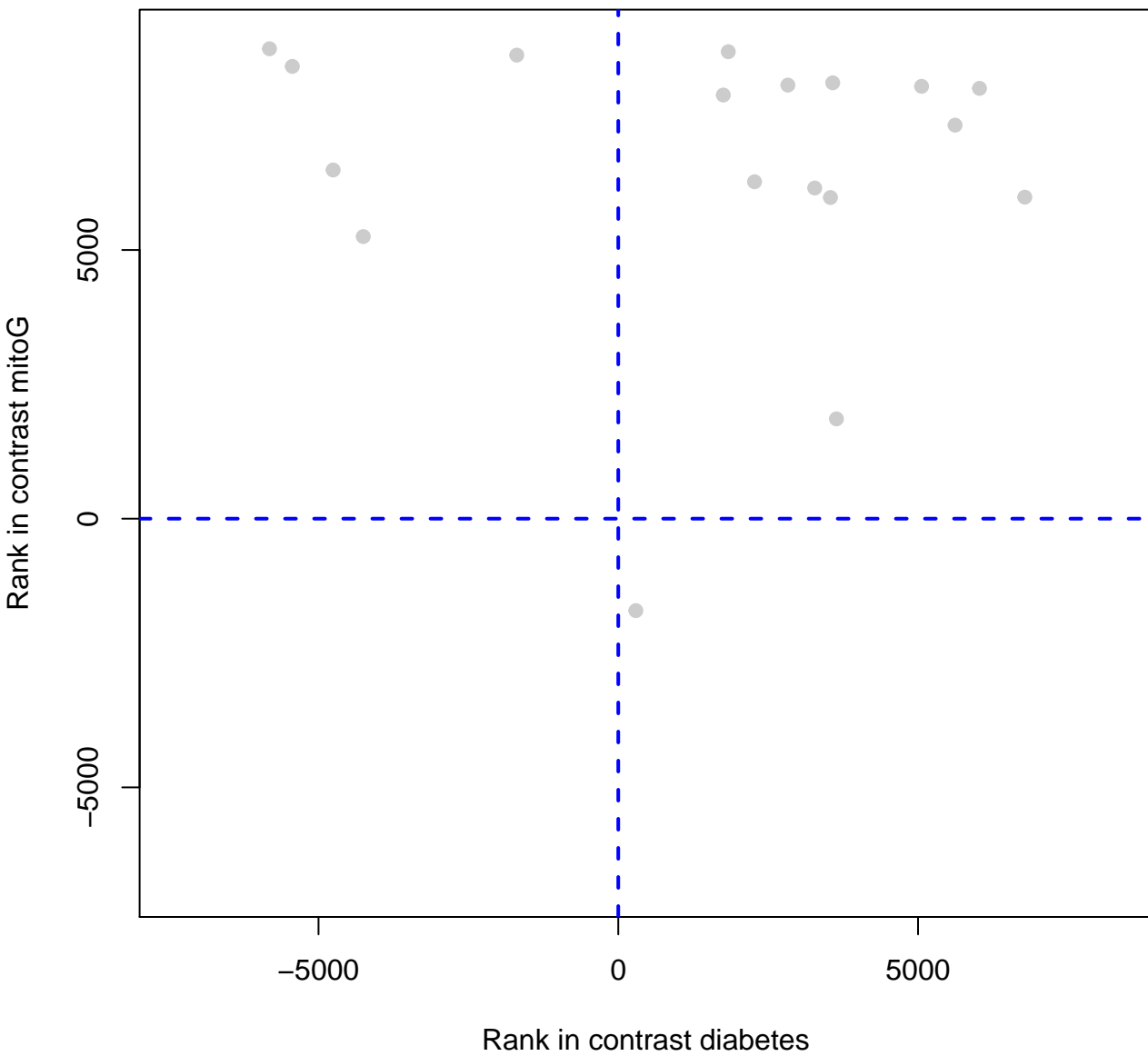
# Cohesin Loading onto Chromatin



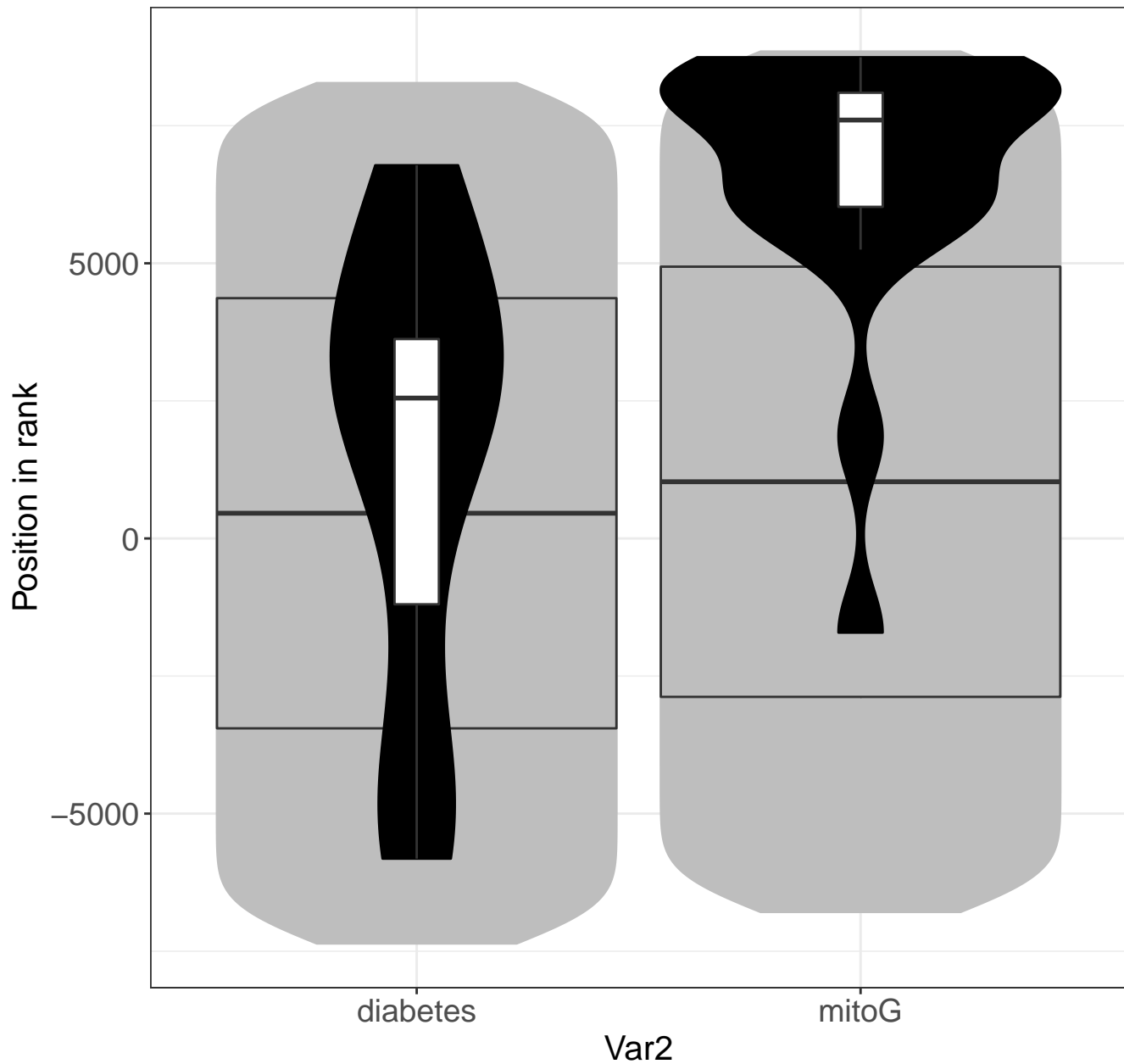
# tRNA processing in the mitochondrion



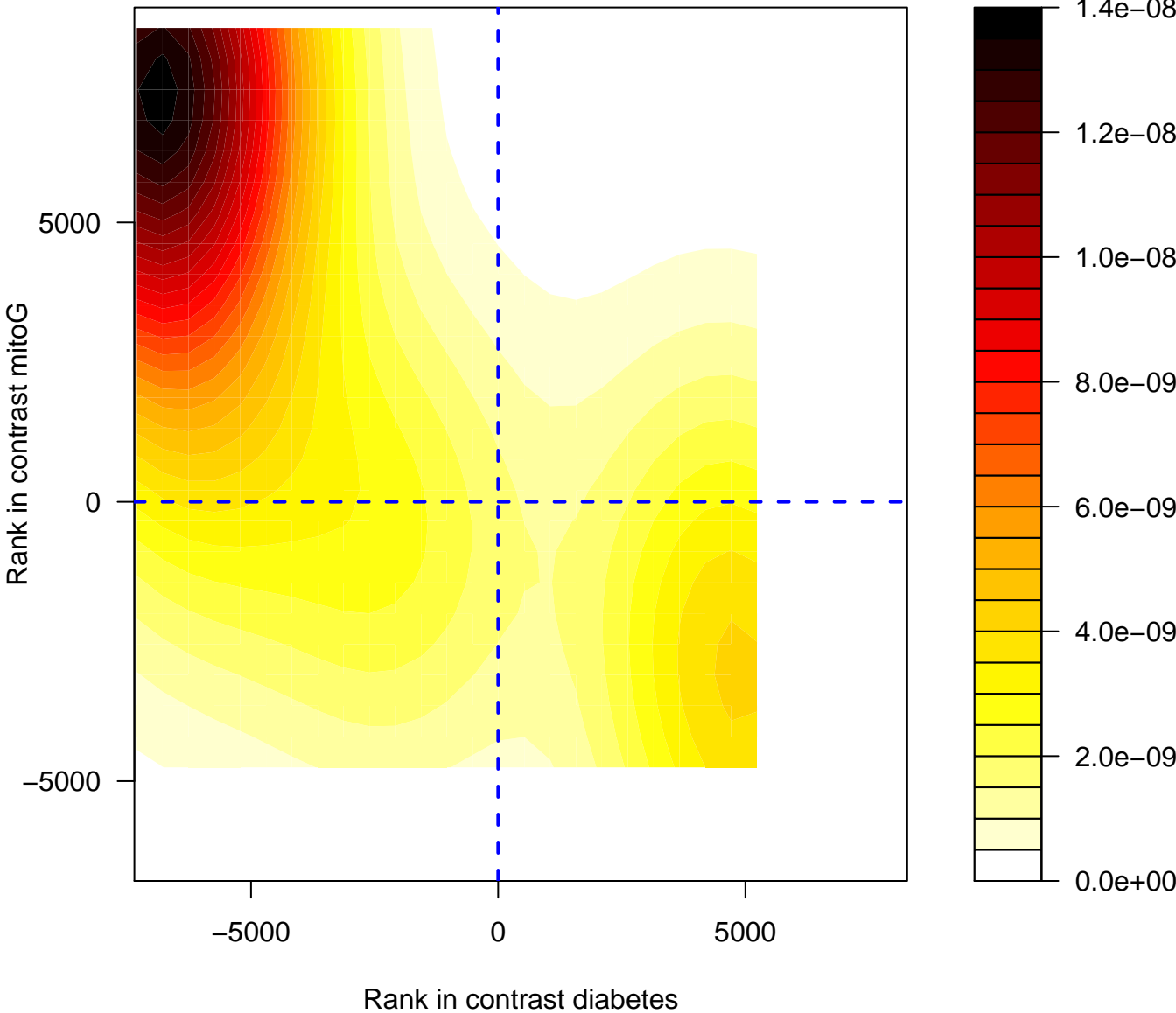
# tRNA processing in the mitochondrion



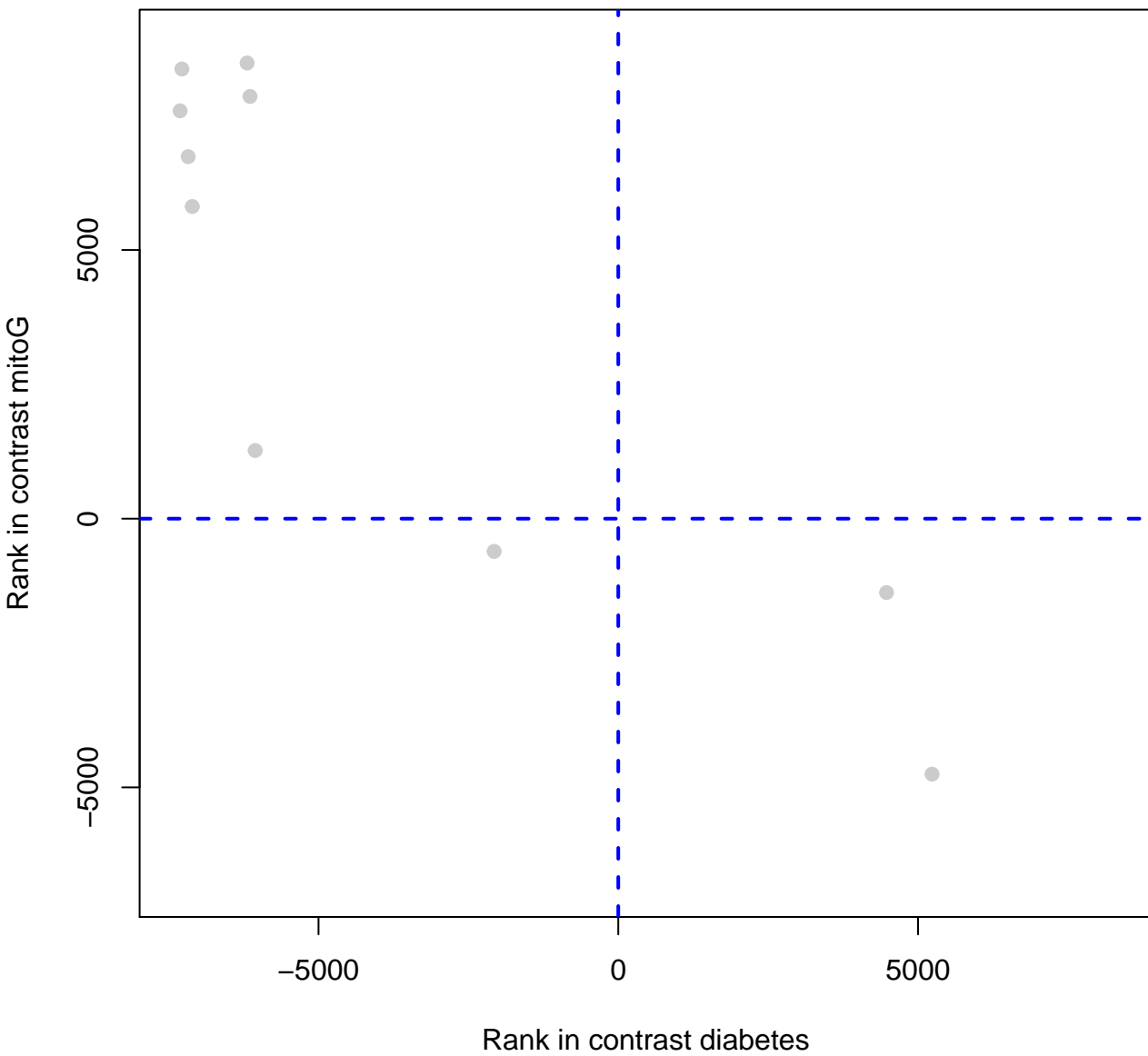
# tRNA processing in the mitochondrion



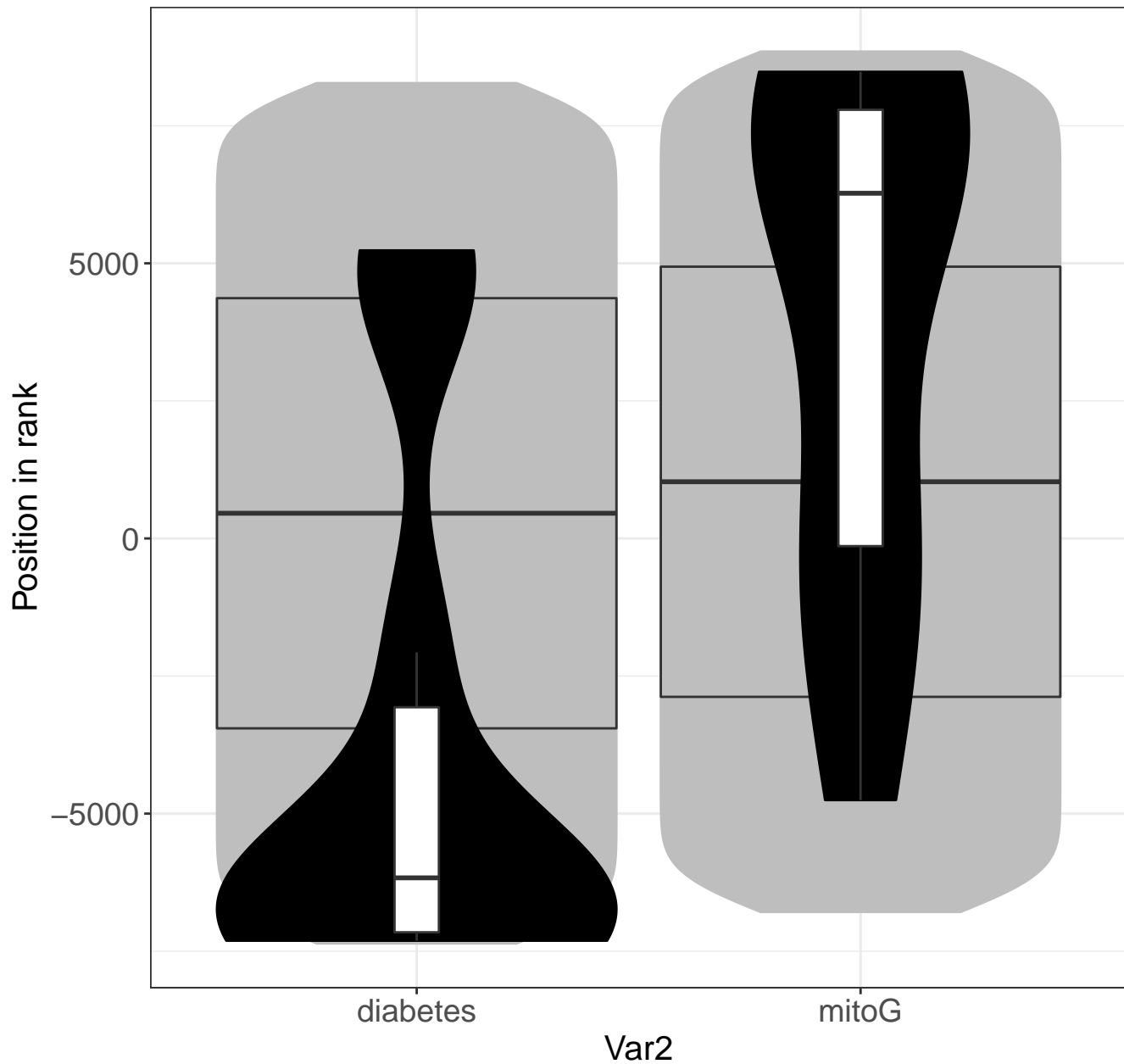
# ATF6 (ATF6-alpha) activates chaperone genes



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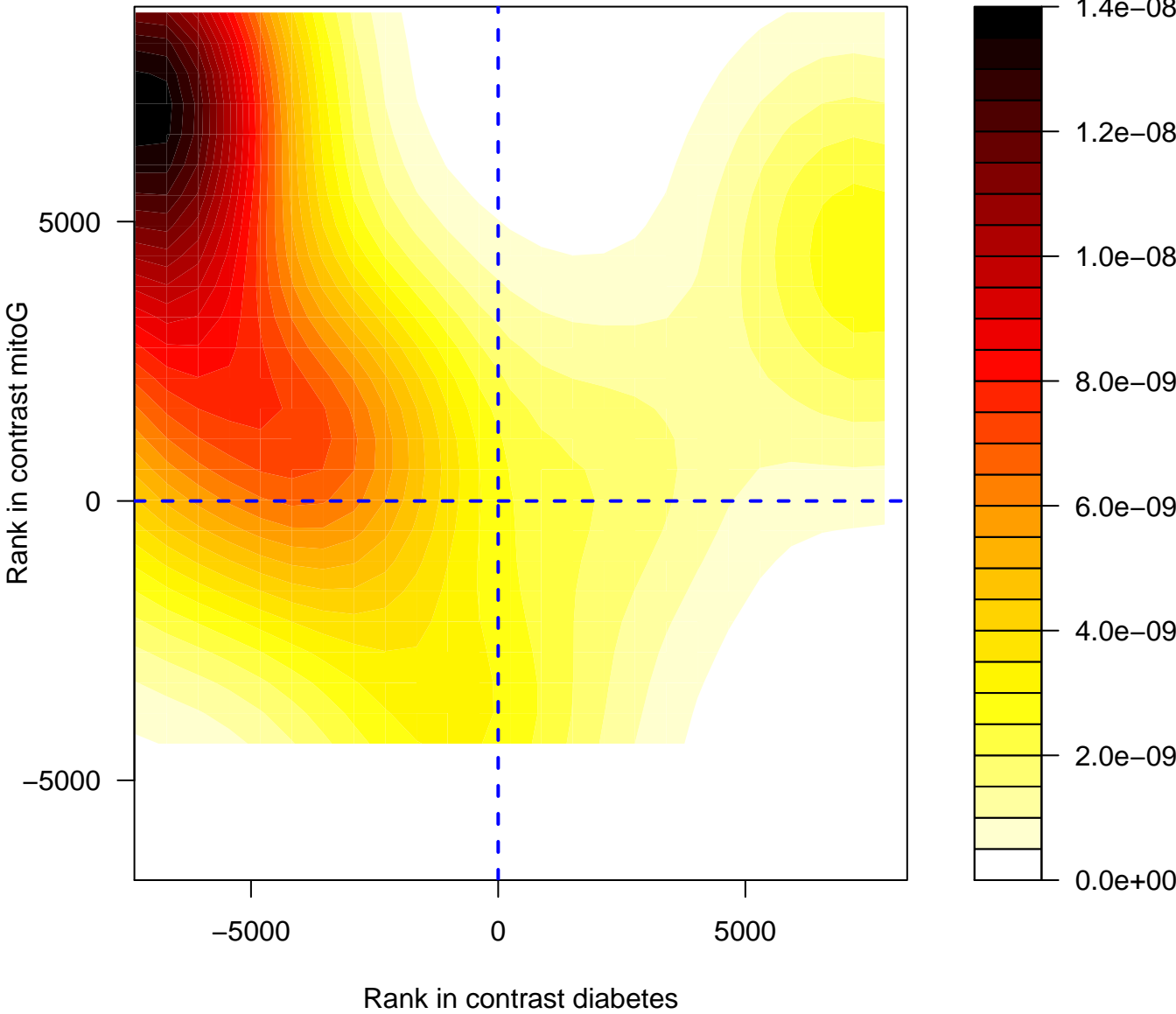


# ATF6 (ATF6-alpha) activates chaperone genes

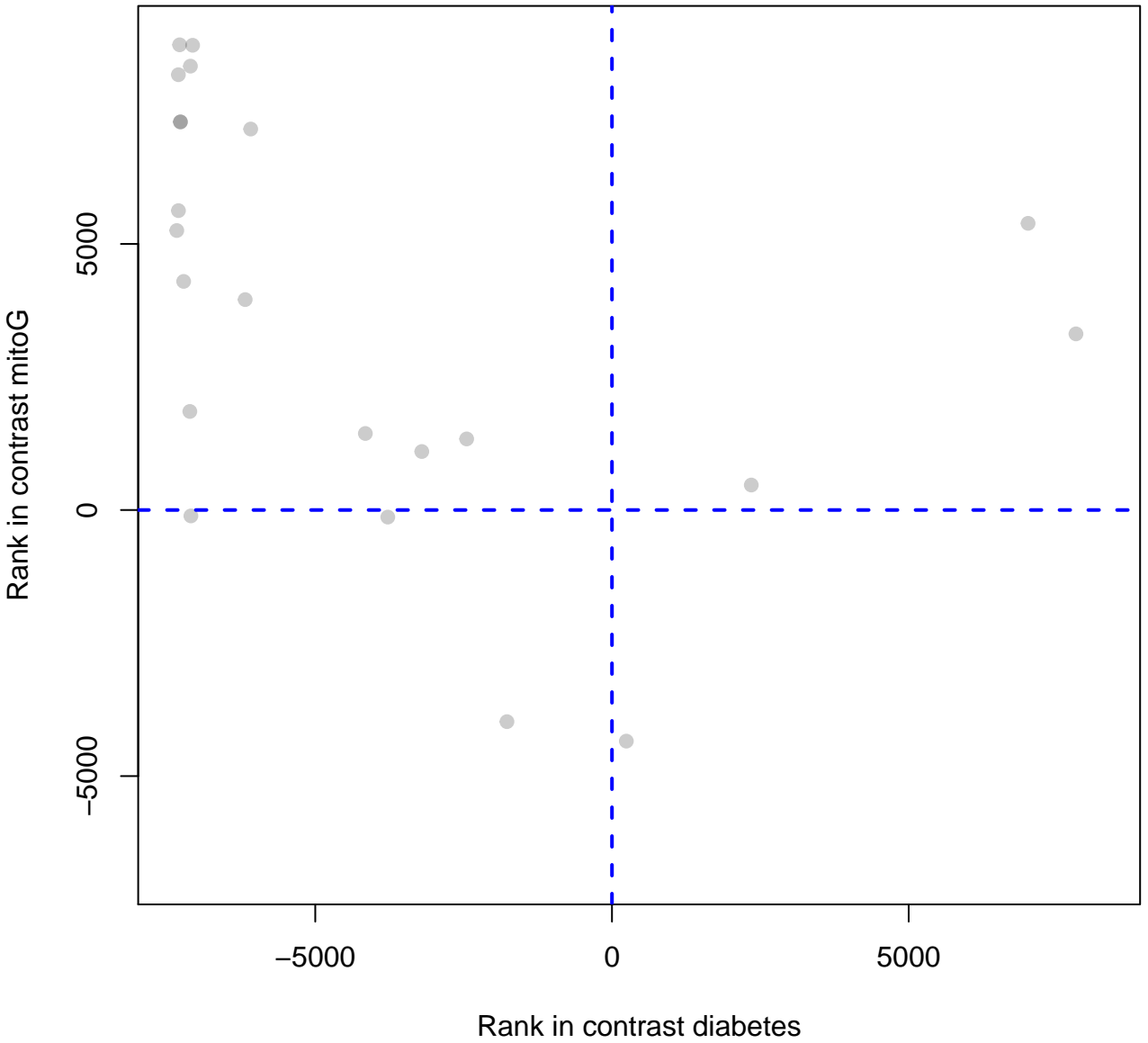




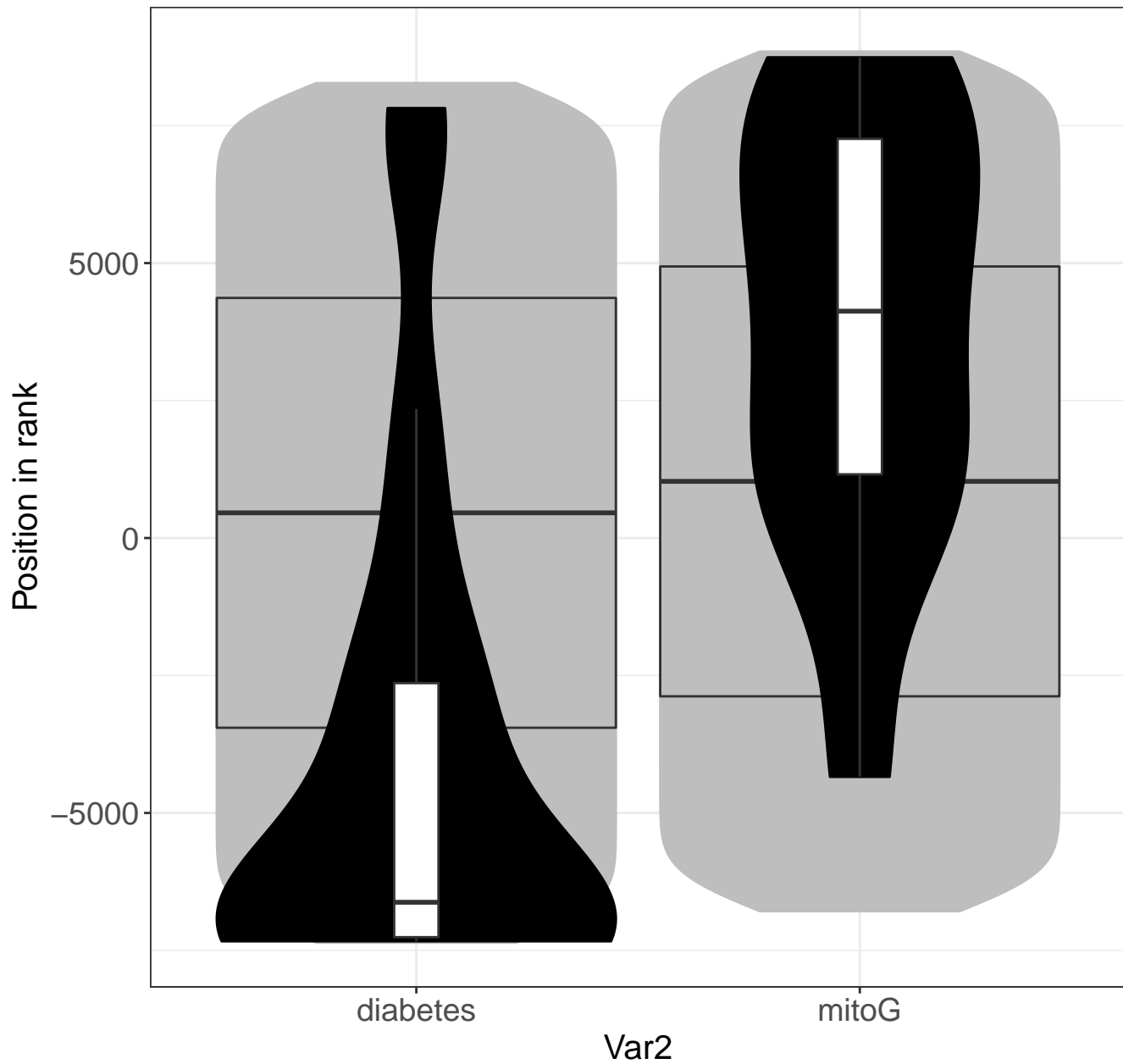
# Attenuation phase



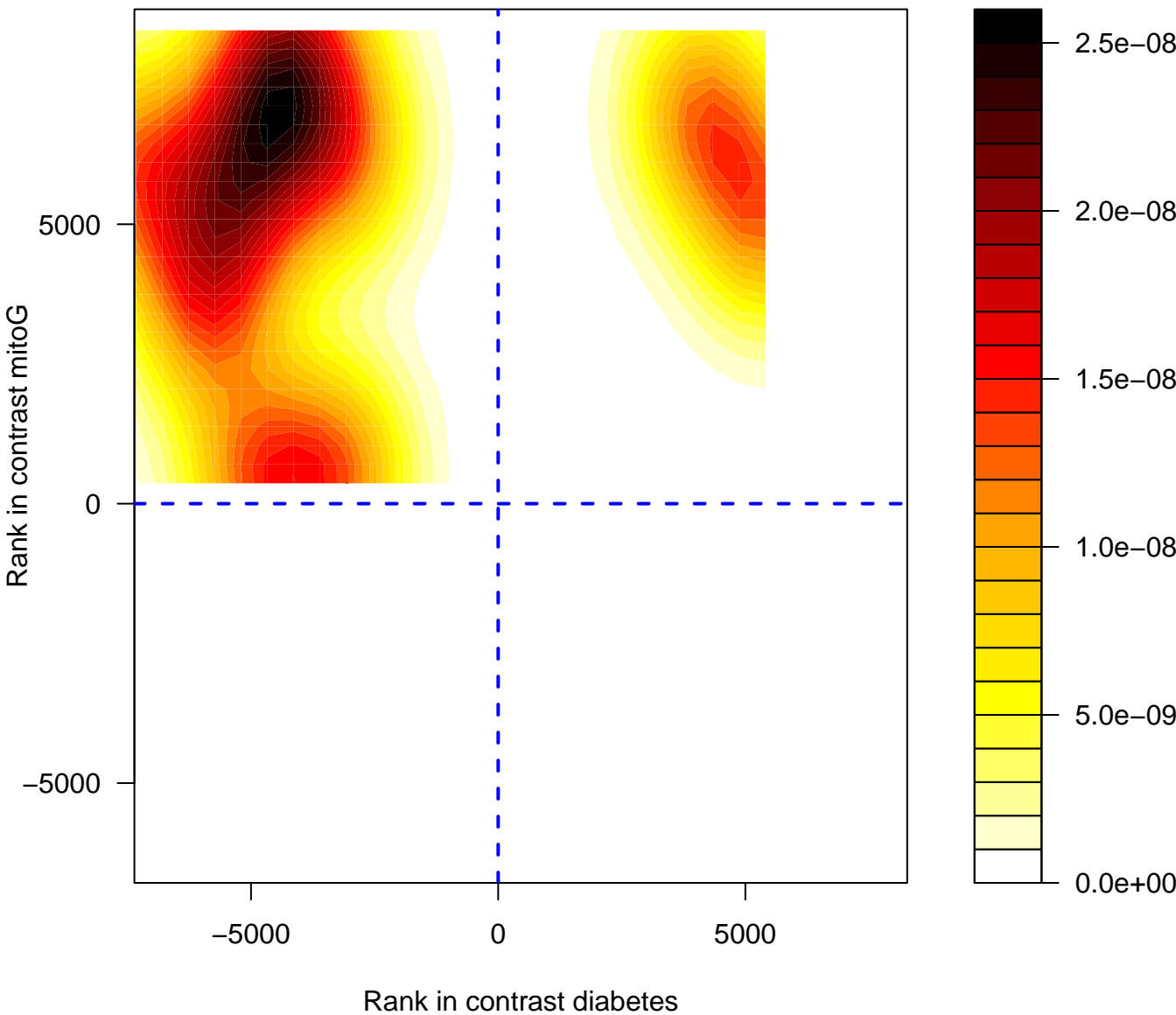
# Attenuation phase



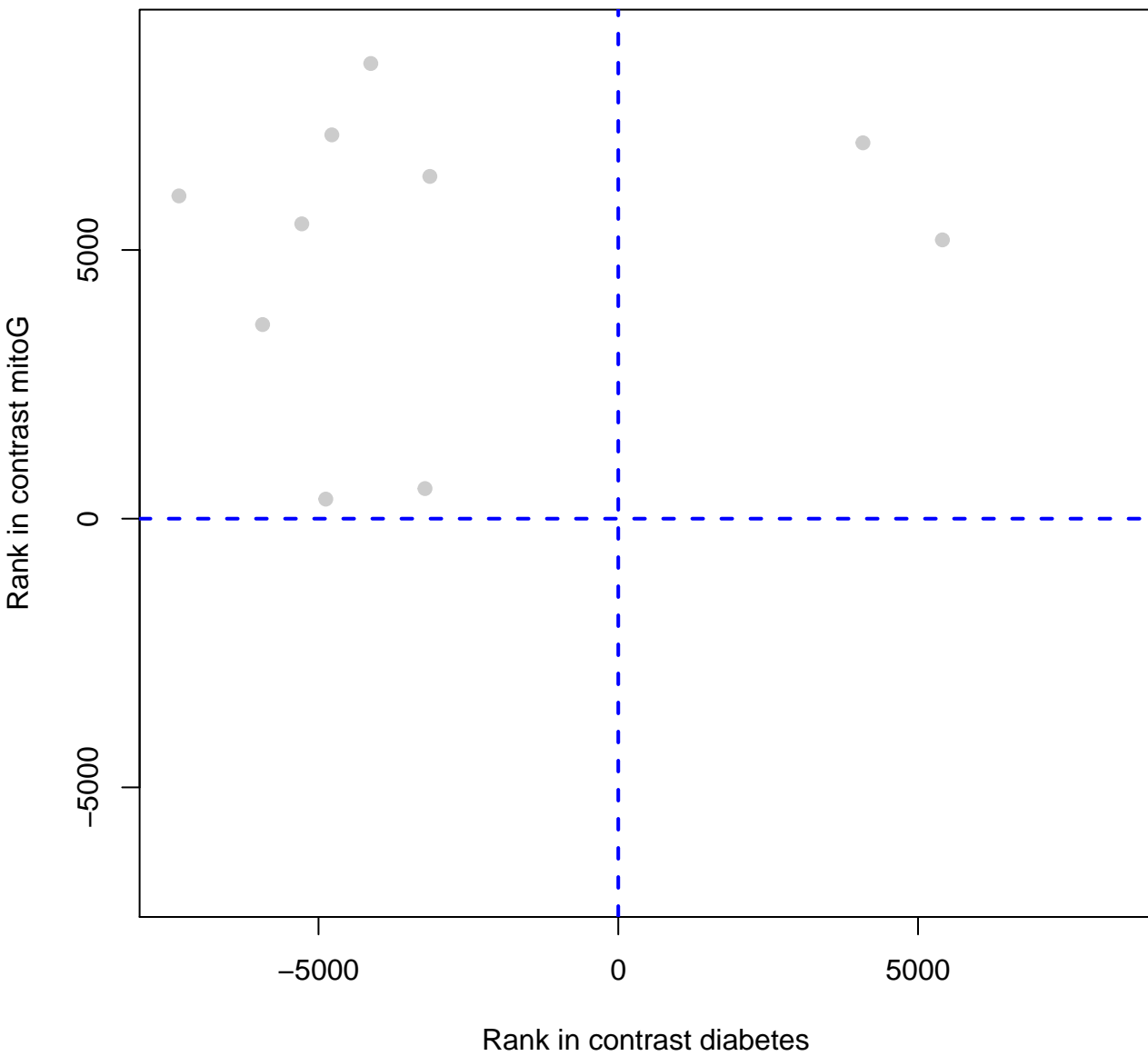
# Attenuation phase



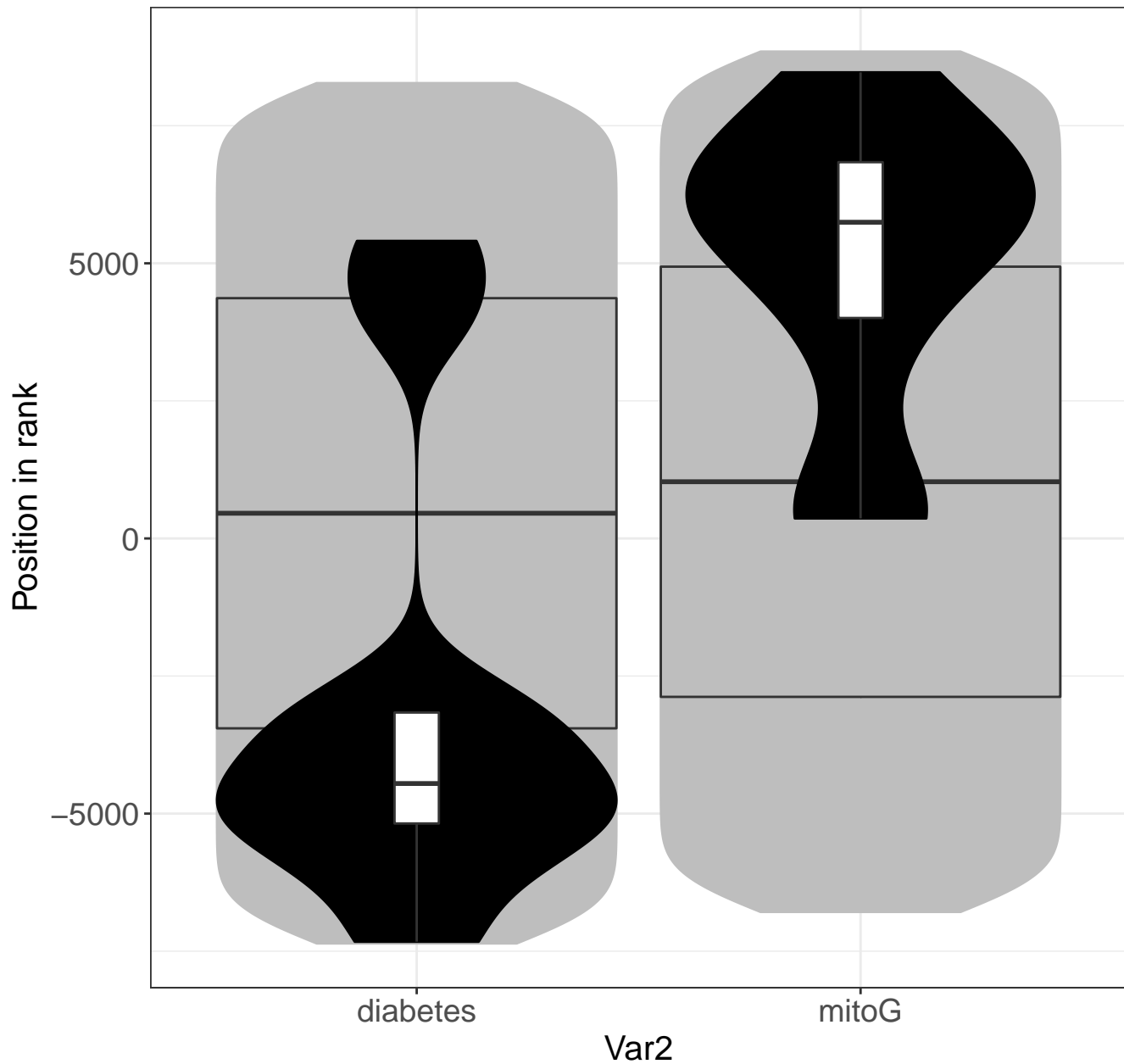
# MyD88 deficiency (TLR2/4)



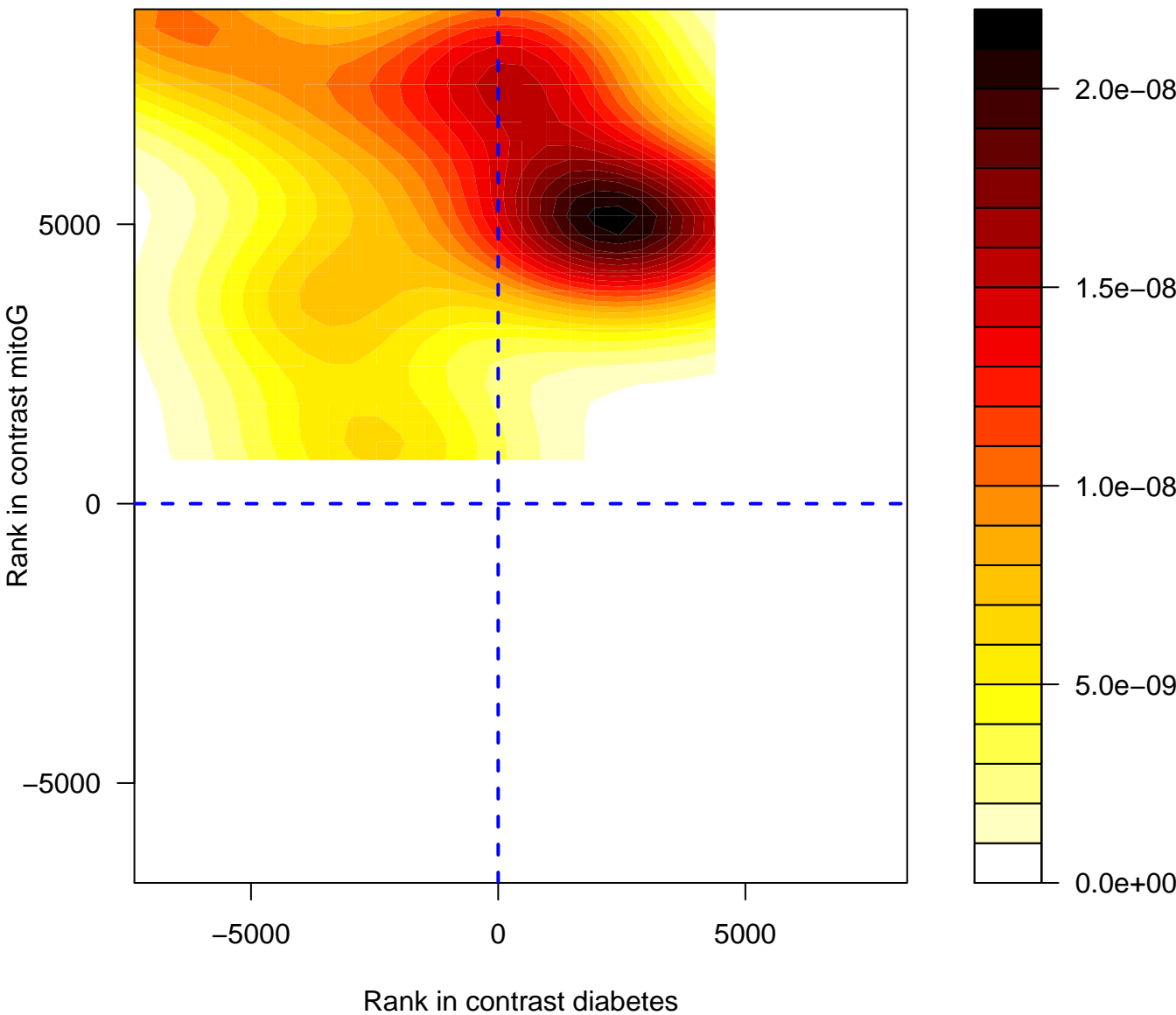
# MyD88 deficiency (TLR2/4)



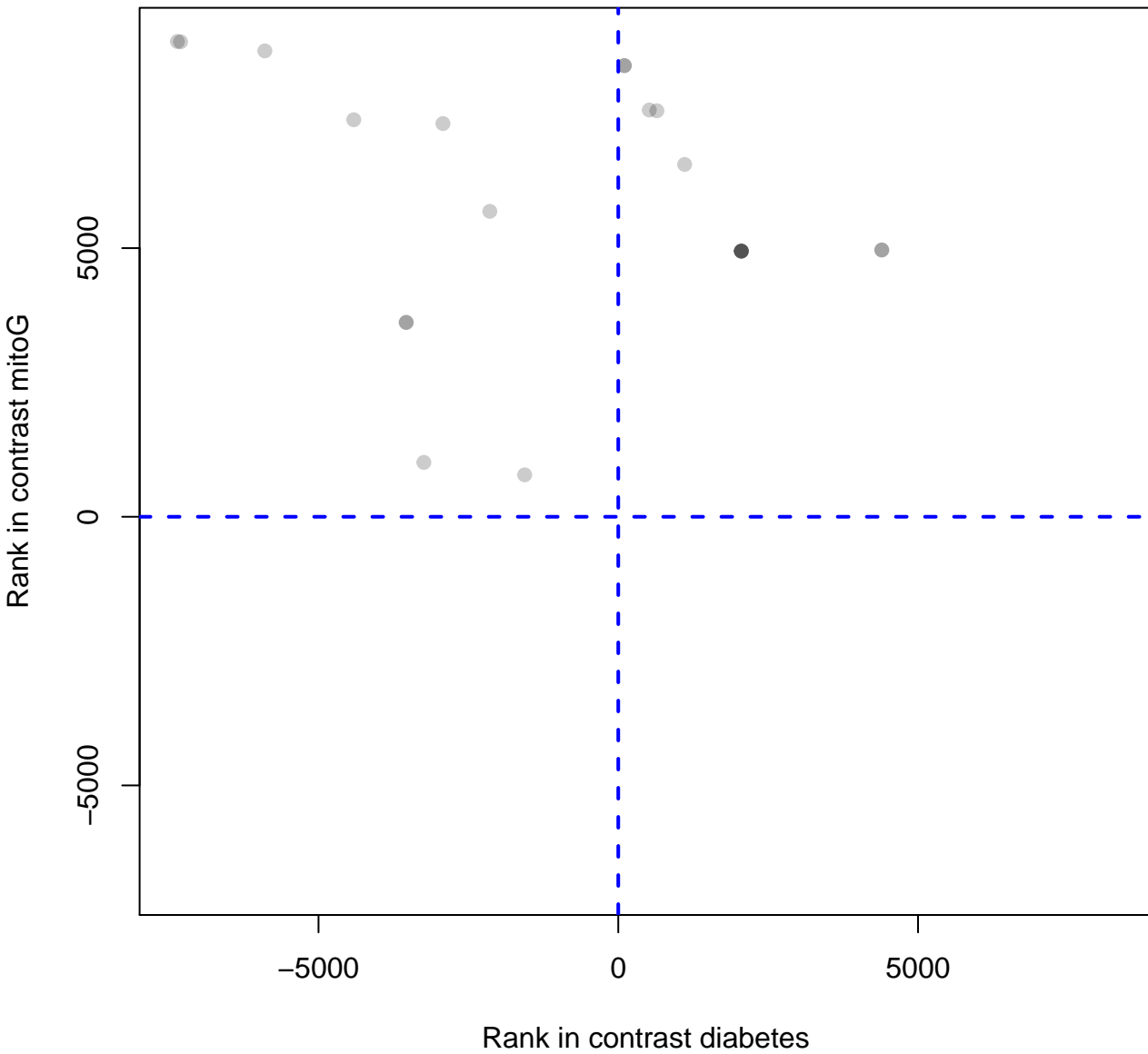
# MyD88 deficiency (TLR2/4)



# Classical antibody-mediated complement activation

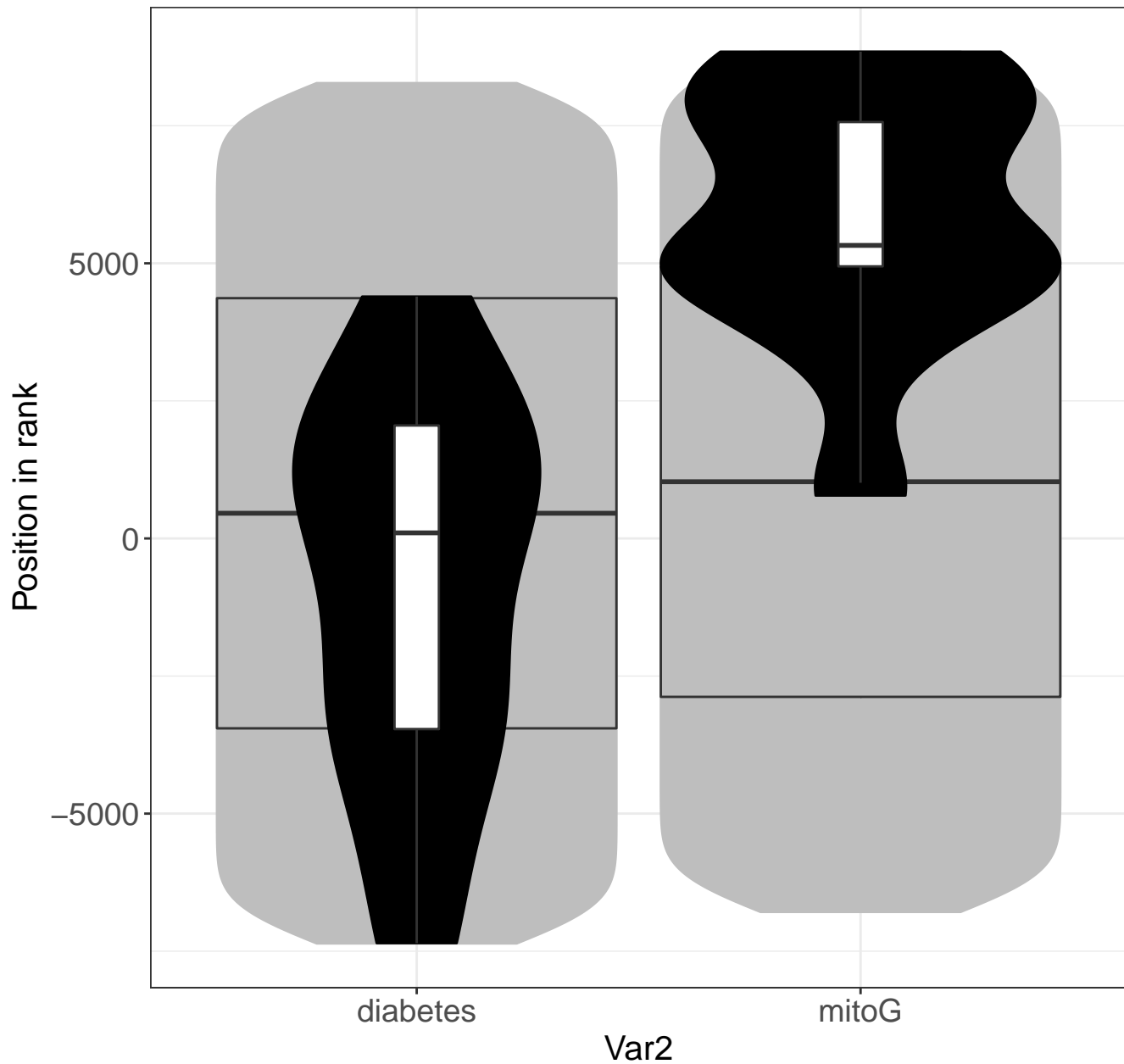


# Classical antibody-mediated complement activation

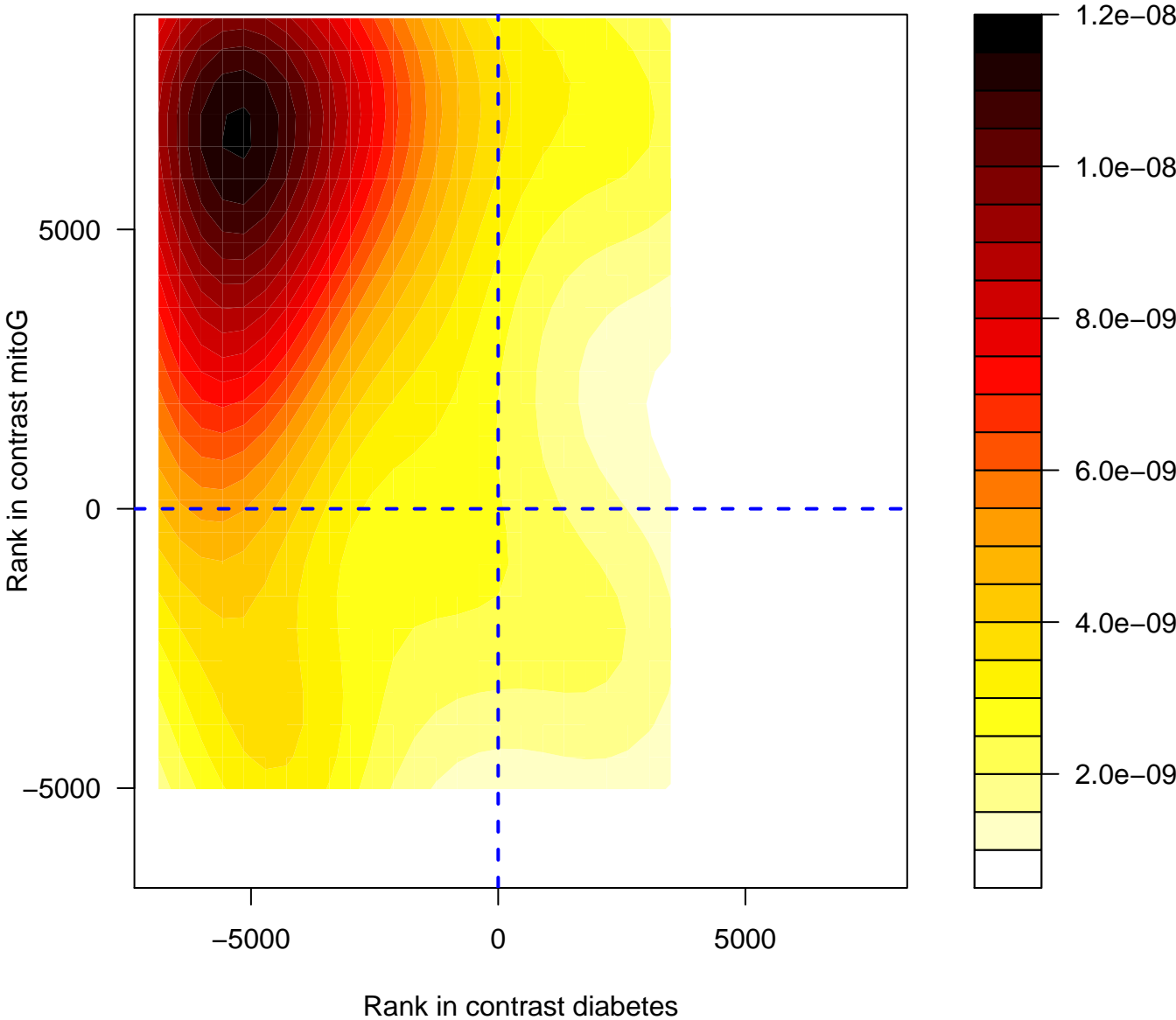




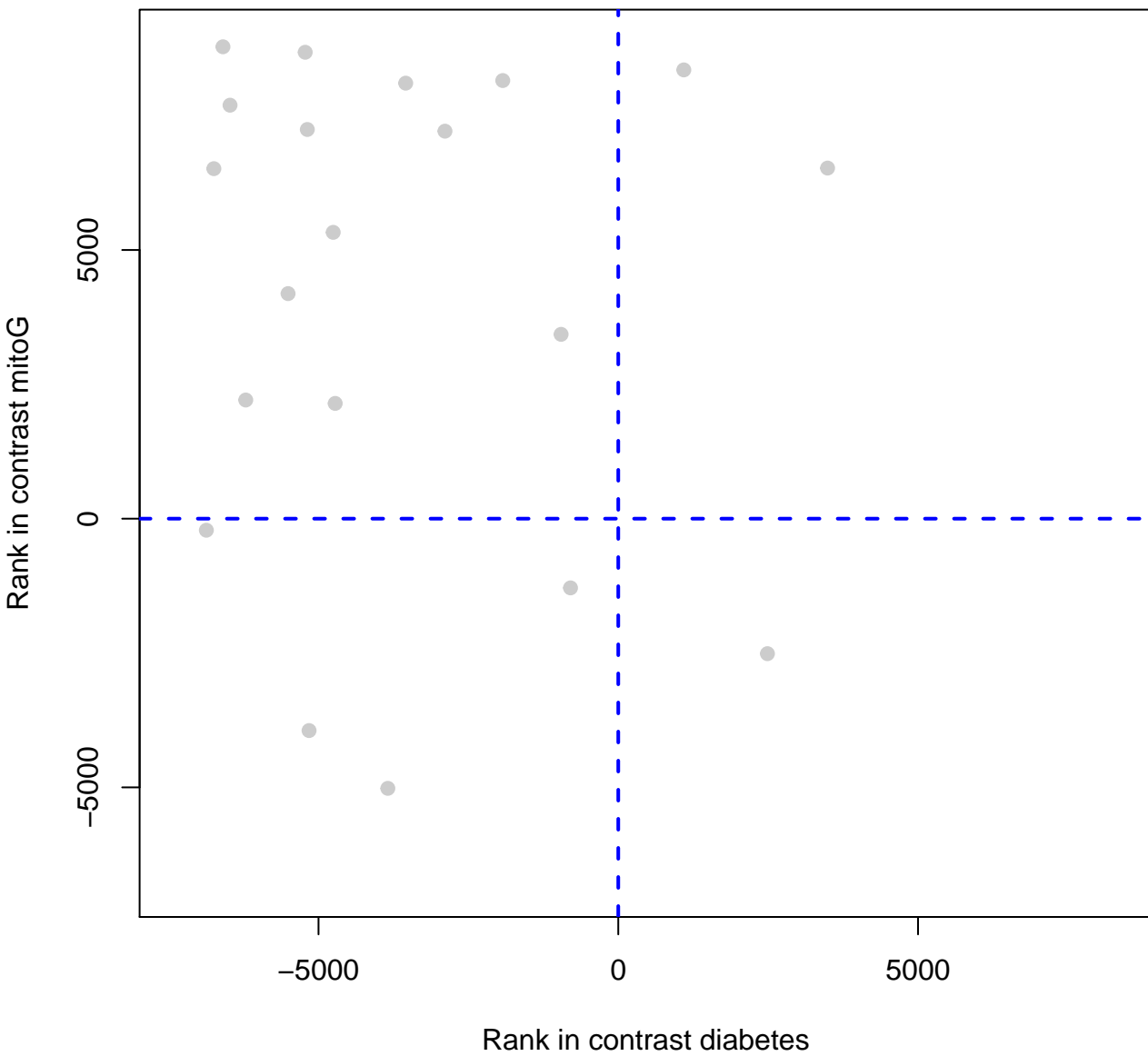
# Classical antibody-mediated complement activation



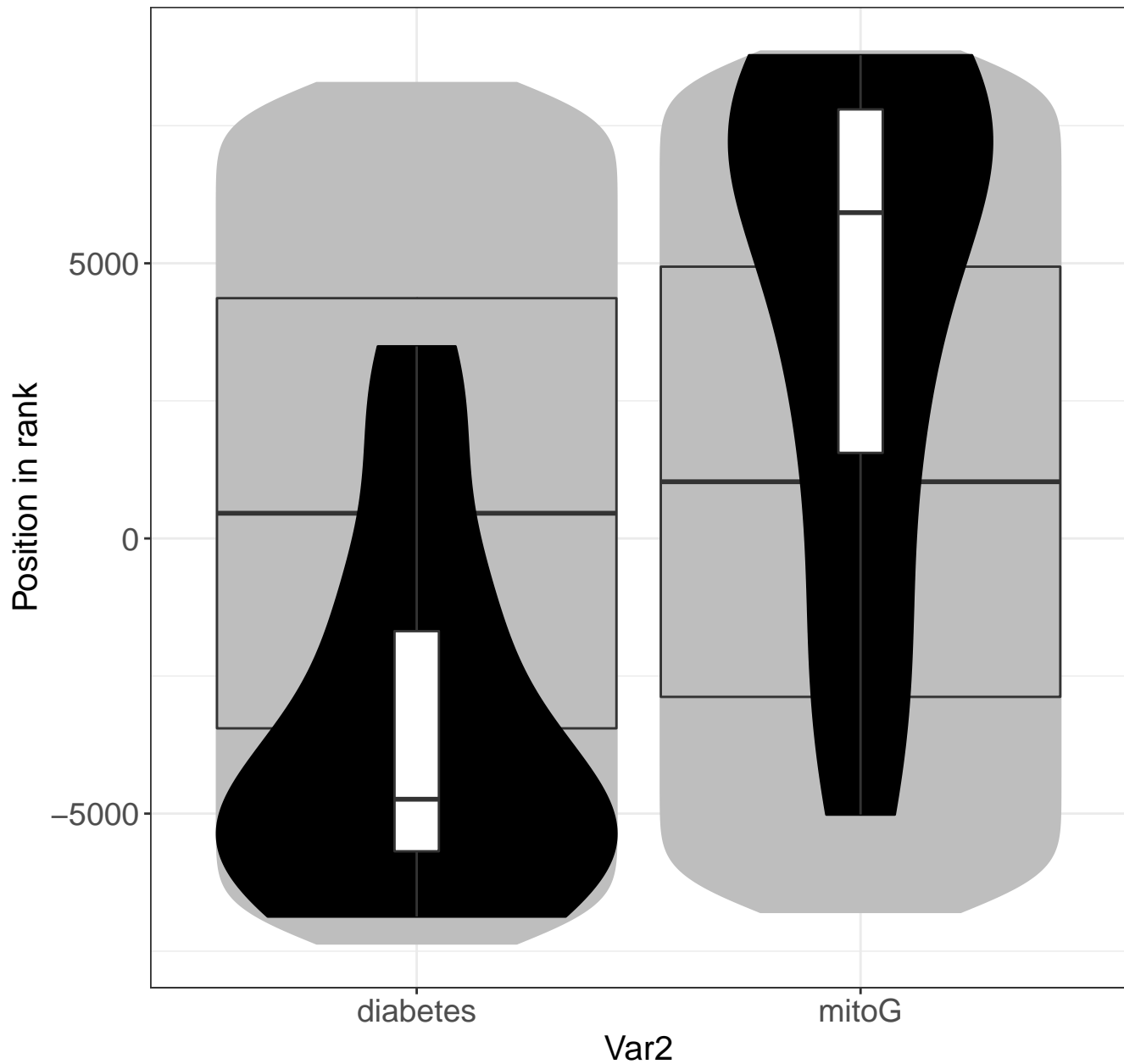
# Formation of tubulin folding intermediates by CCT/TriC



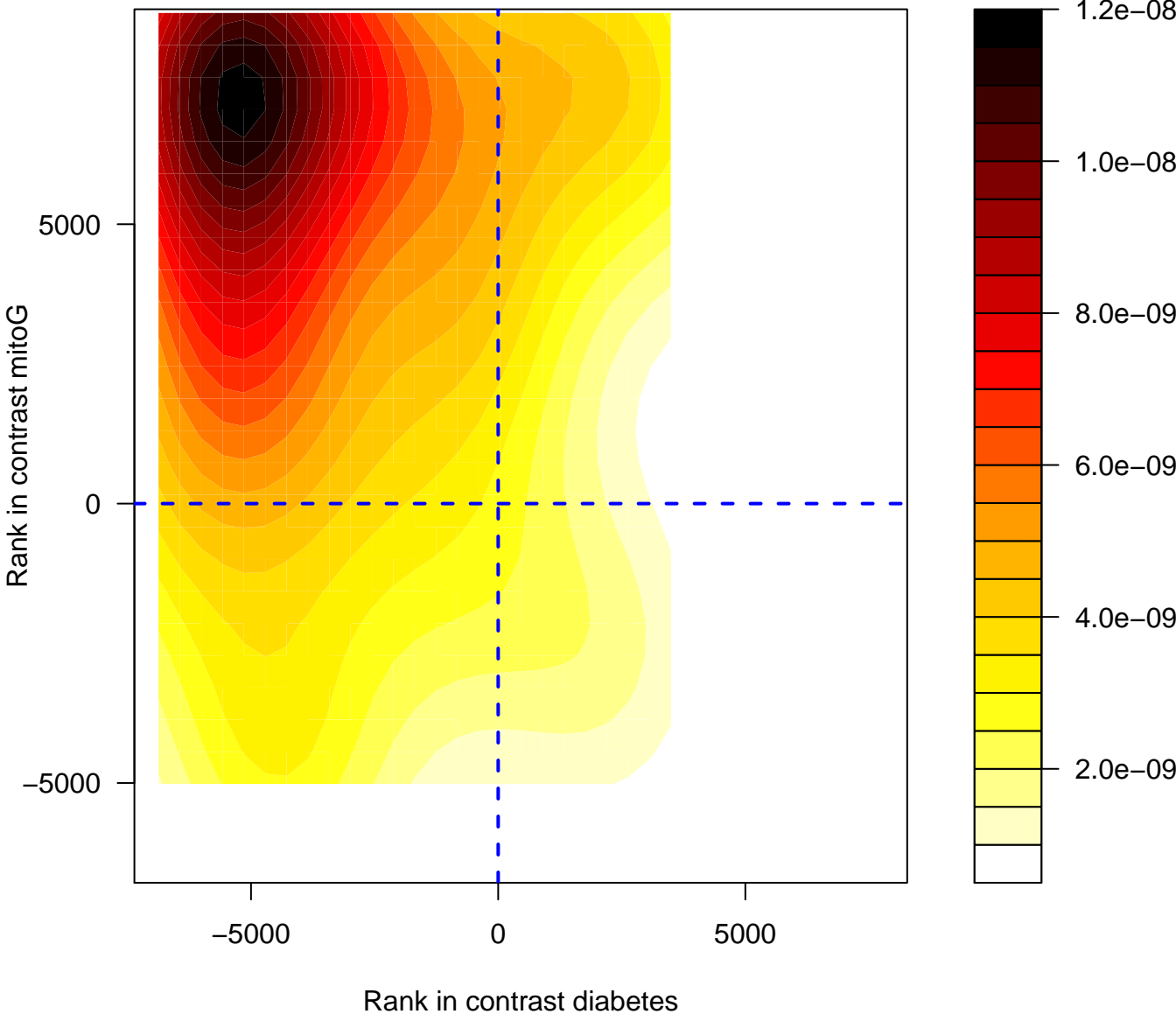
# Formation of tubulin folding intermediates by CCT/TriC



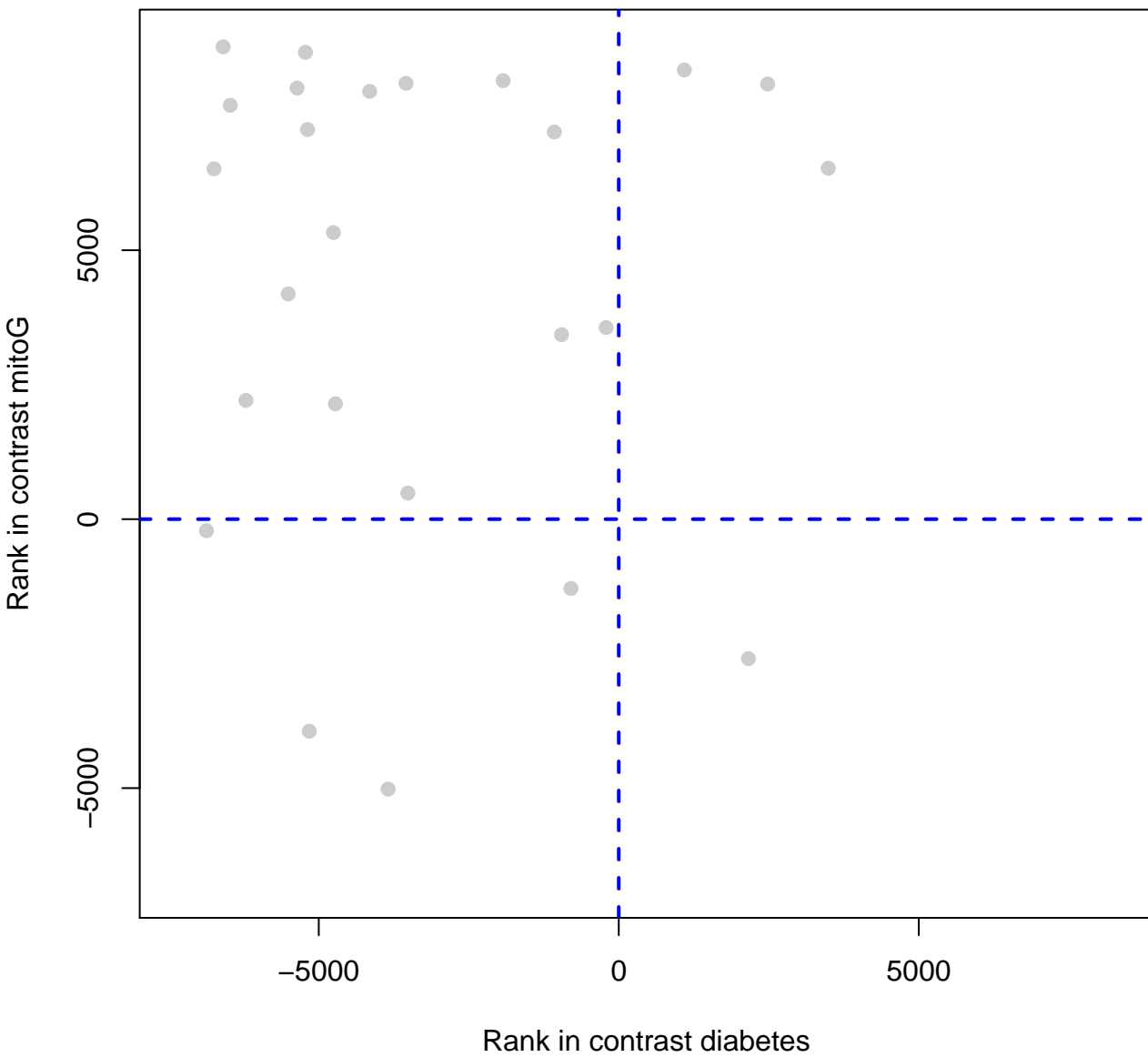
# Formation of tubulin folding intermediates by CCT



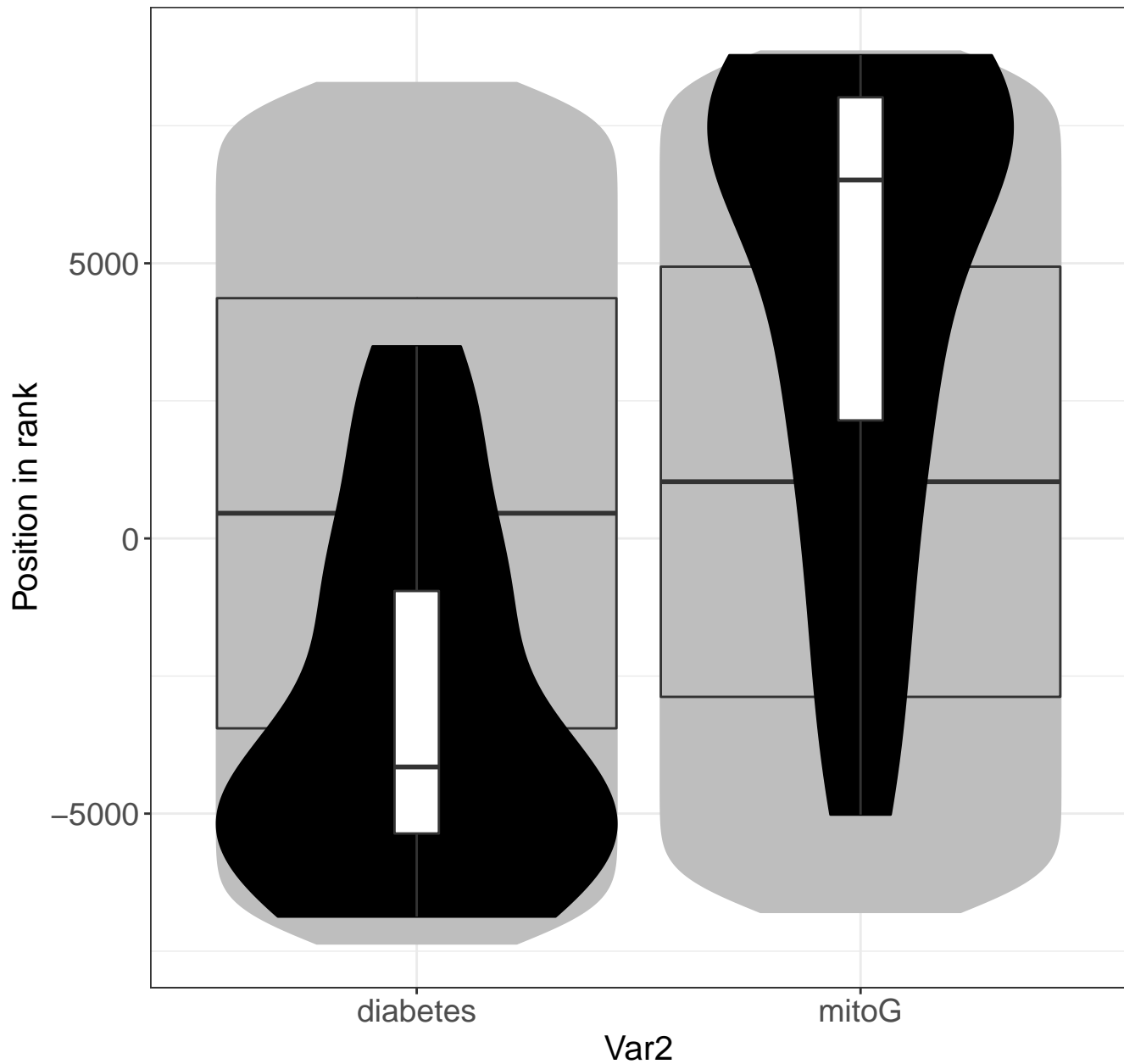
# Prefoldin mediated transfer of substrate to CCT/TriC



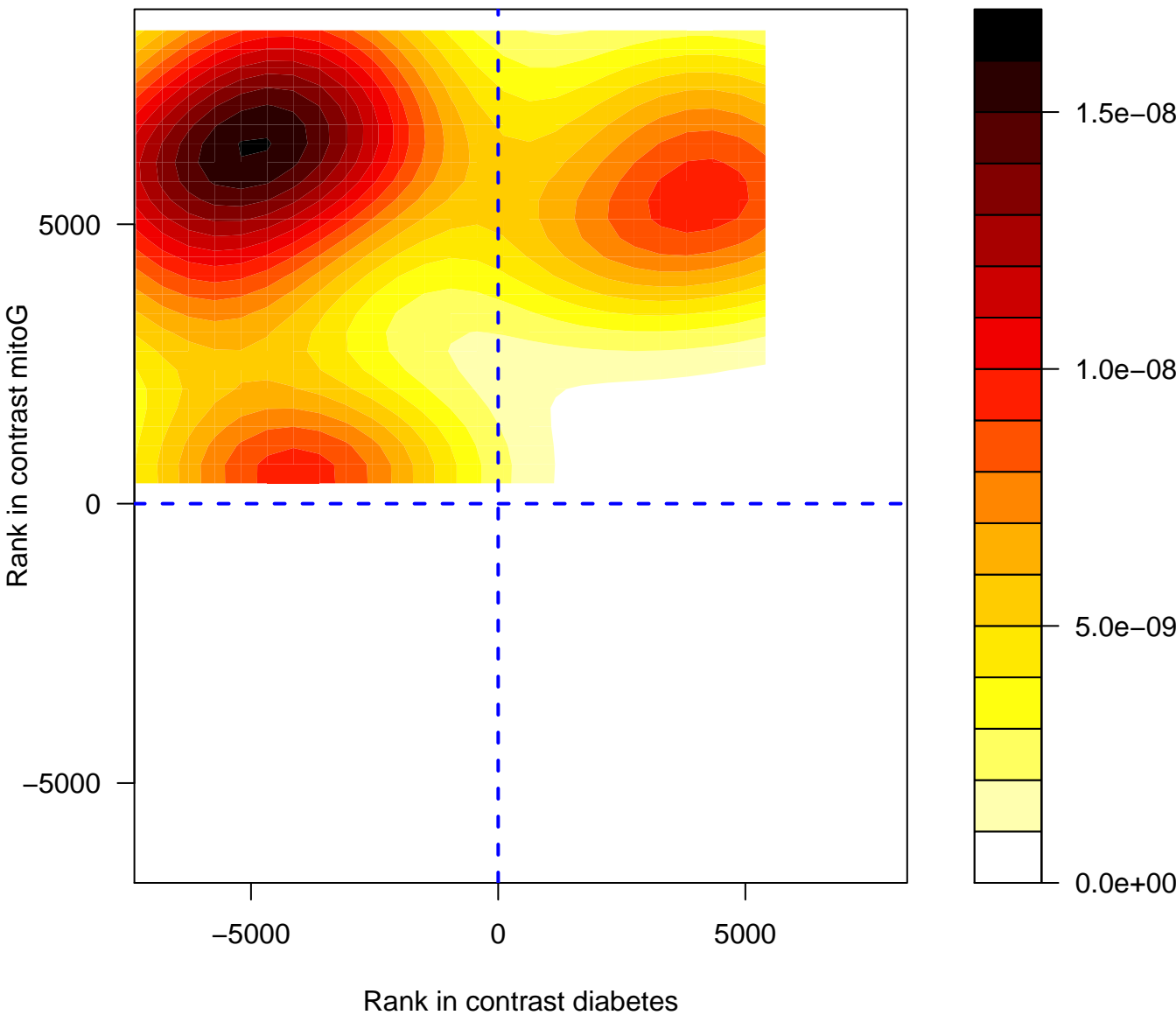
# Prefoldin mediated transfer of substrate to CCT/TriC



# Prefoldin mediated transfer of substrate to CCT/T

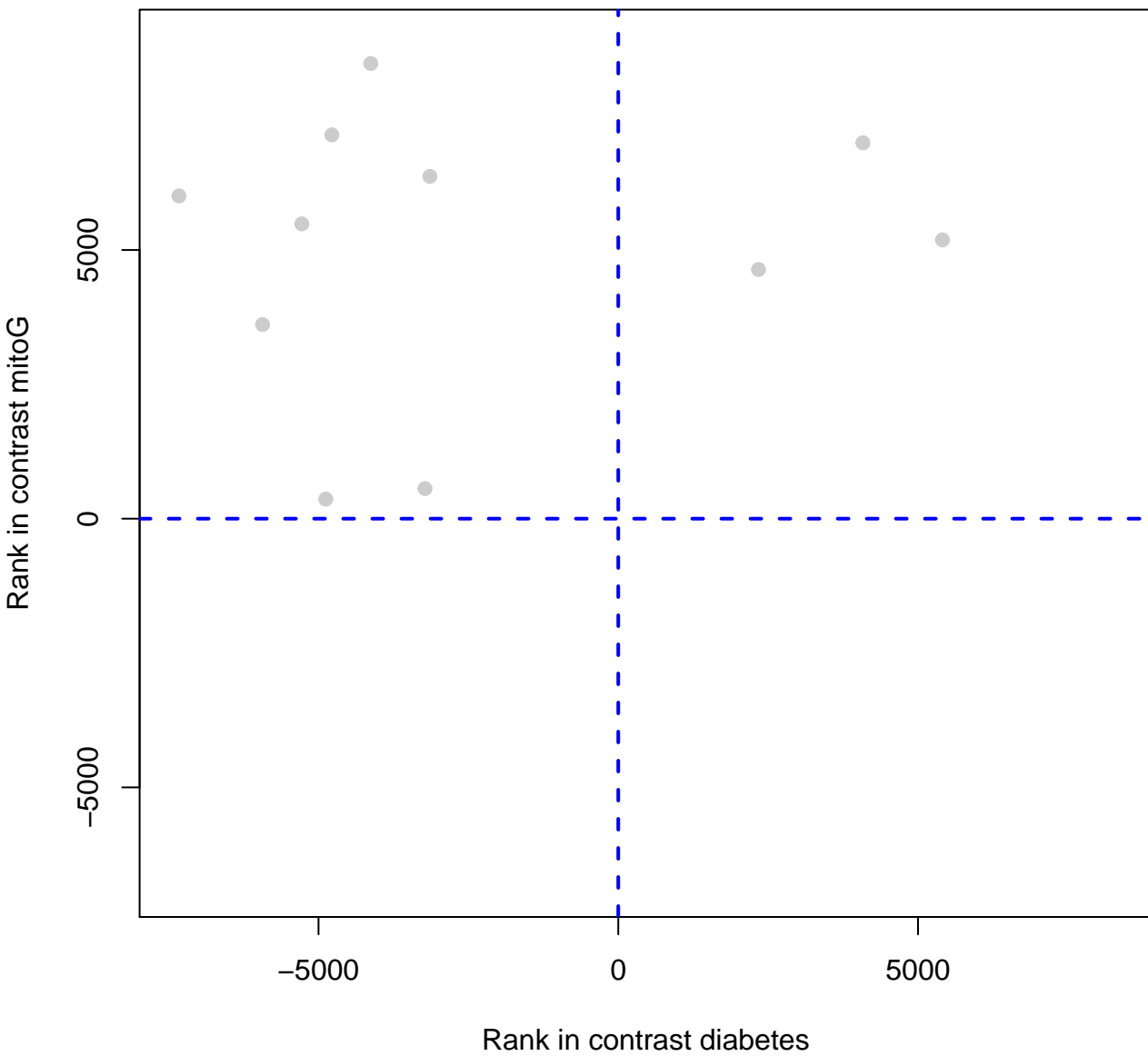


# IRAK4 deficiency (TLR2/4)

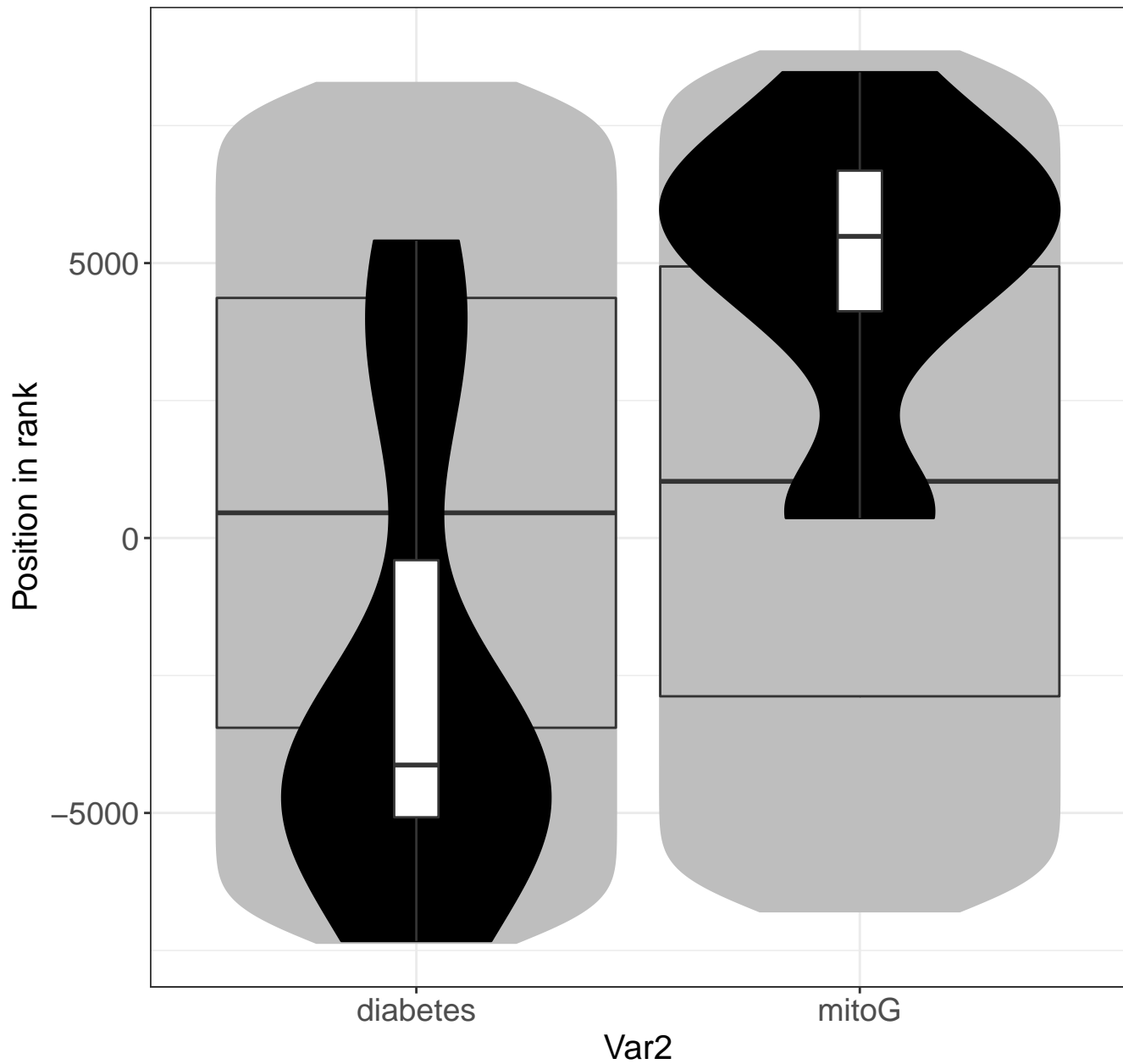




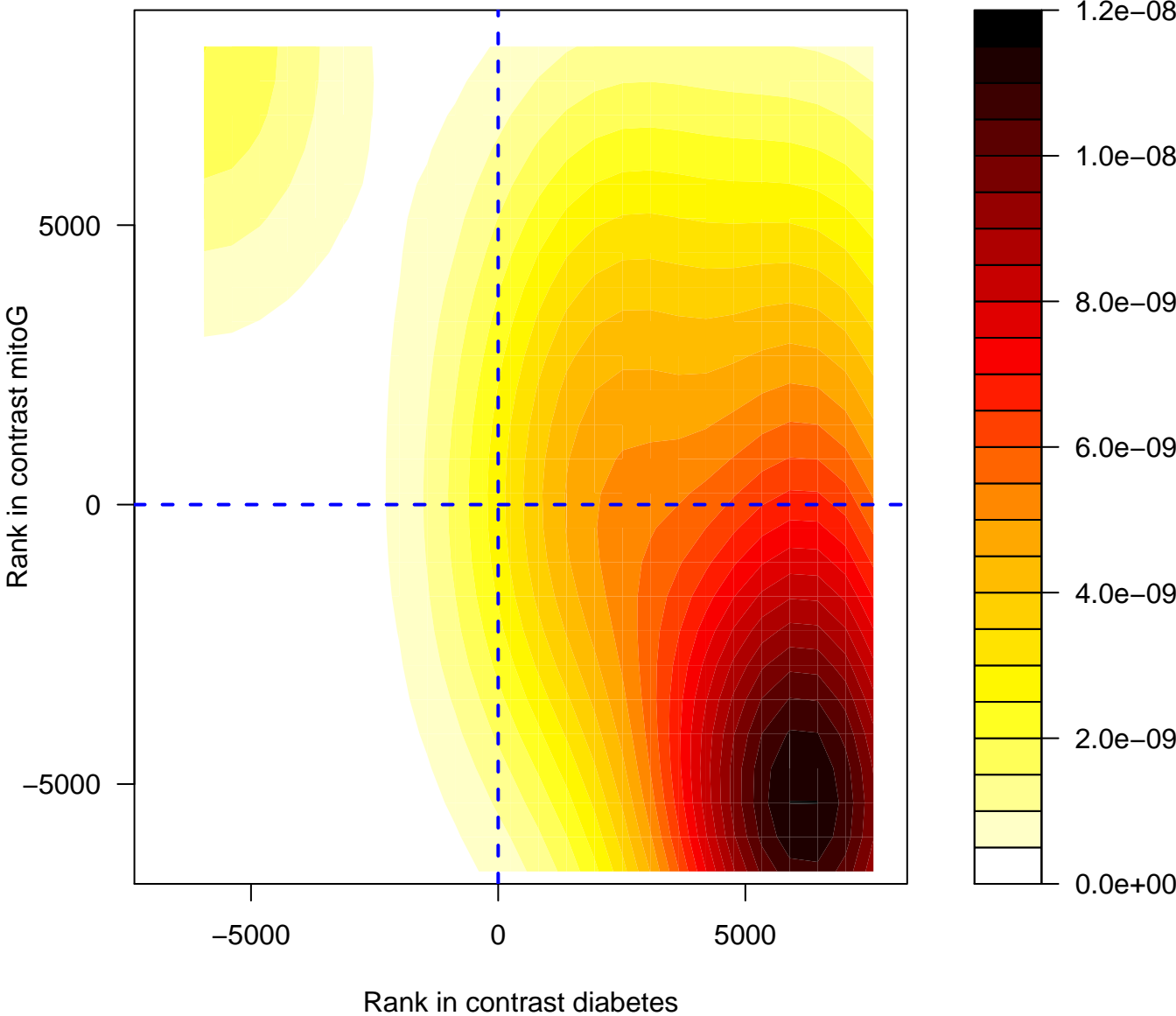
# IRAK4 deficiency (TLR2/4)



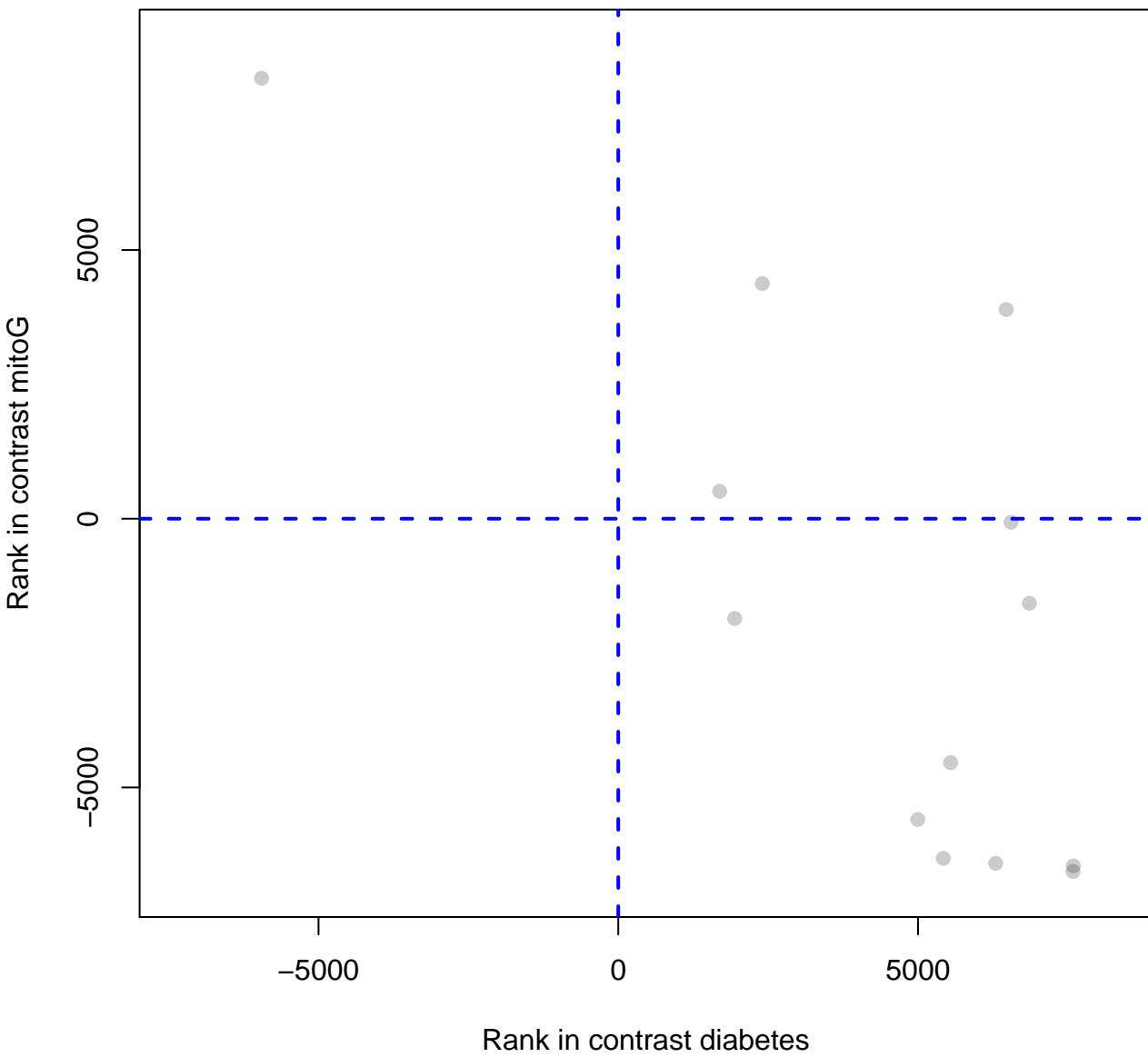
# IRAK4 deficiency (TLR2/4)



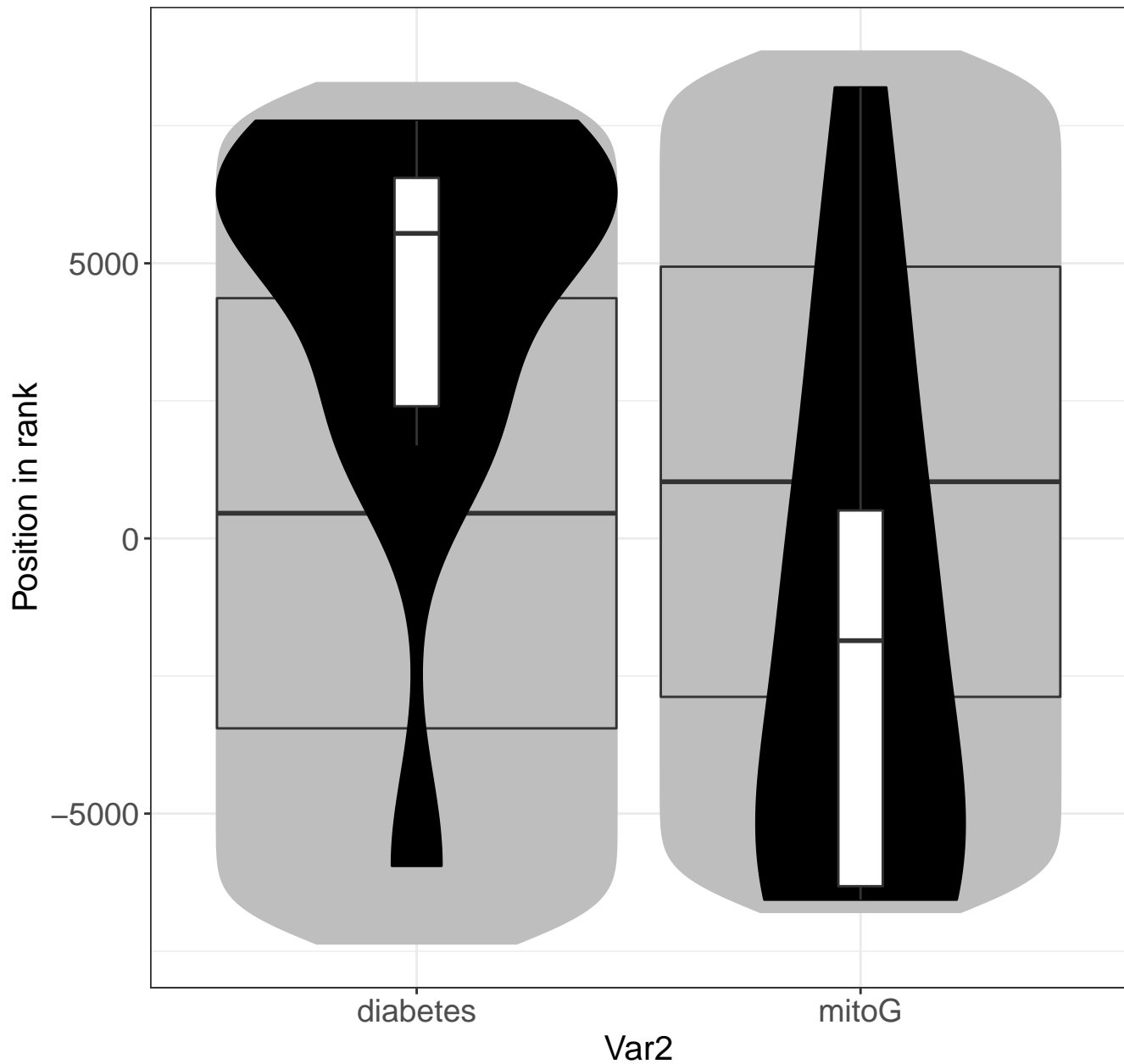
# Cytosolic iron-sulfur cluster assembly



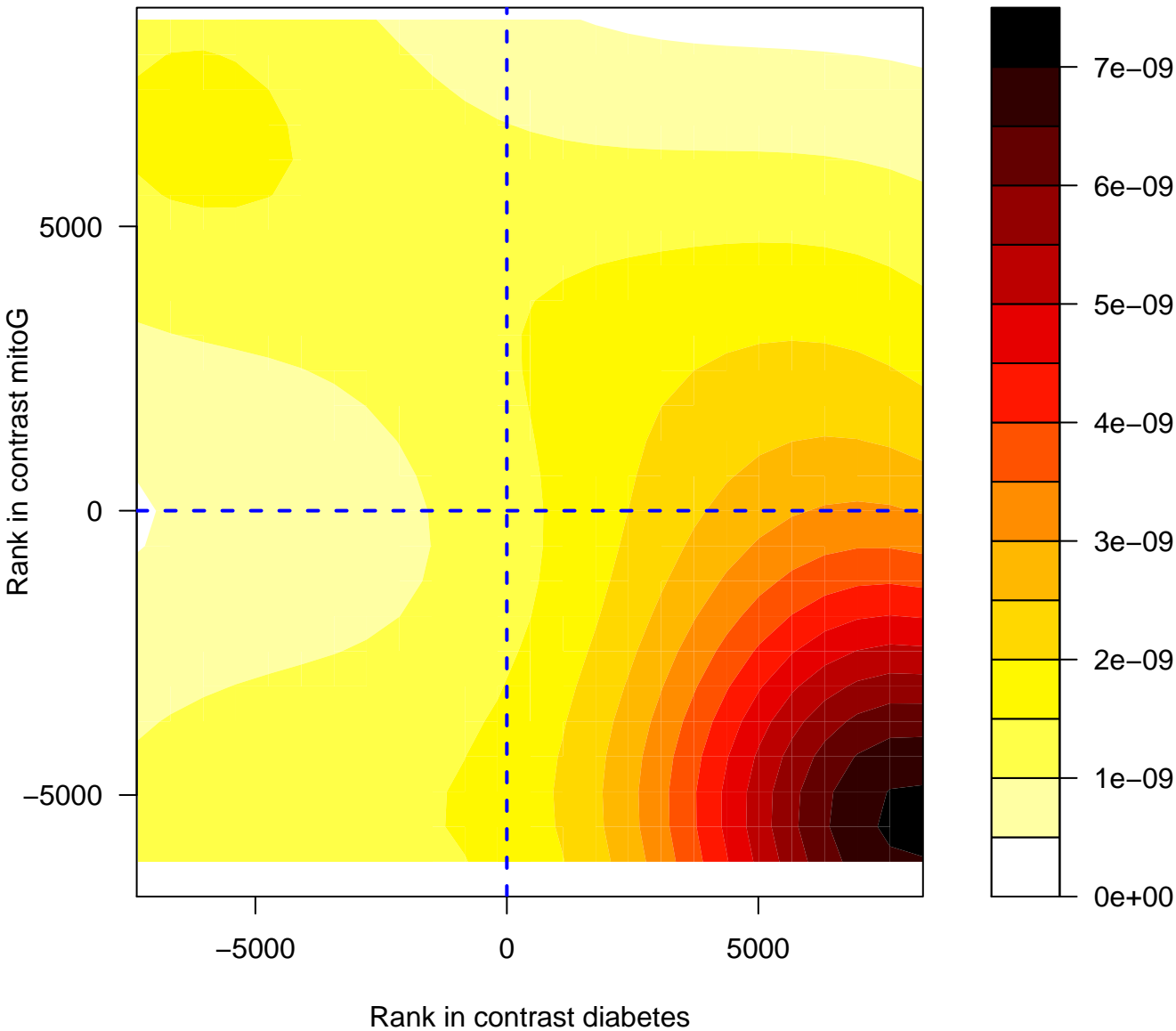
## Cytosolic iron-sulfur cluster assembly



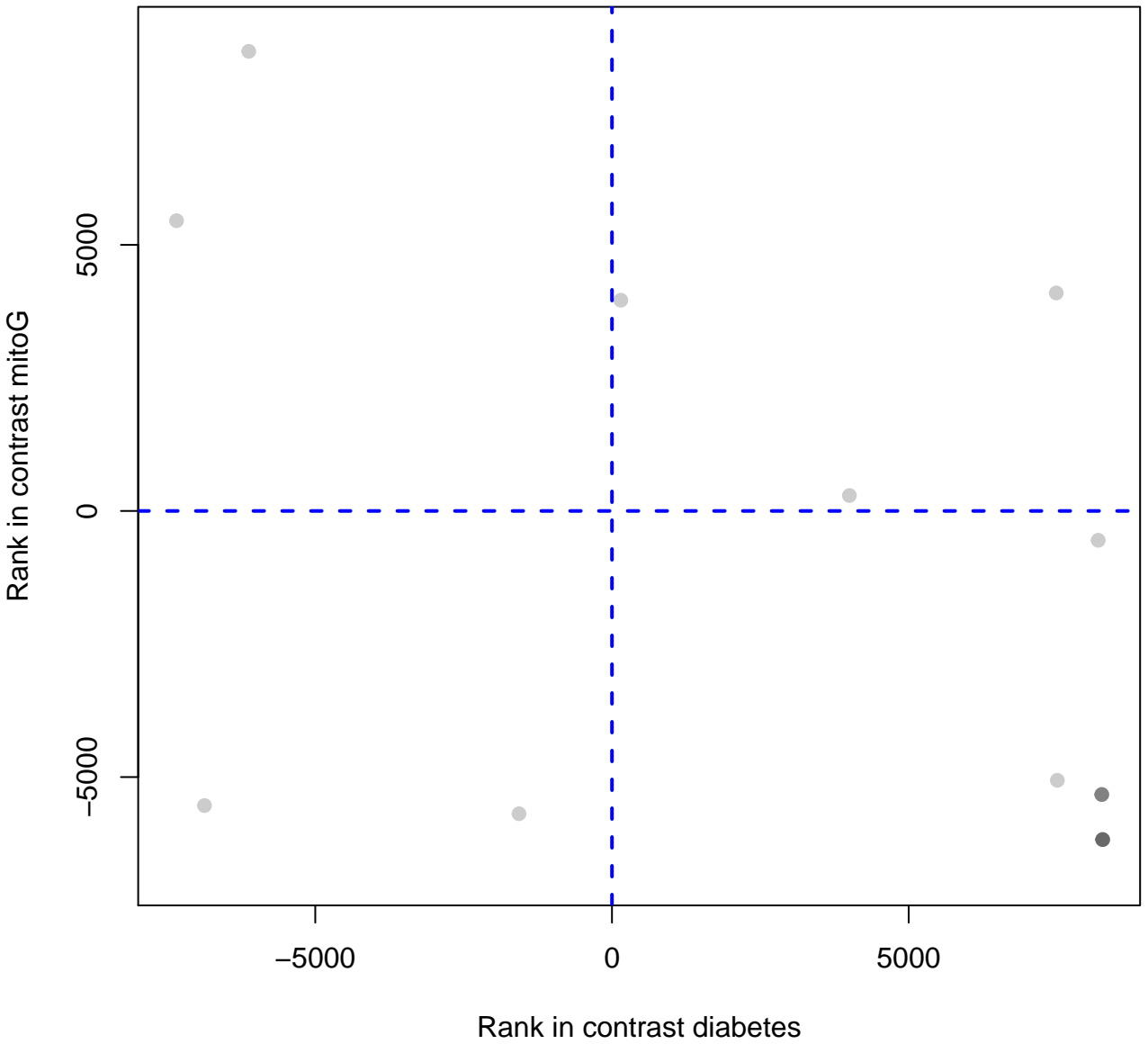
# Cytosolic iron-sulfur cluster assembly



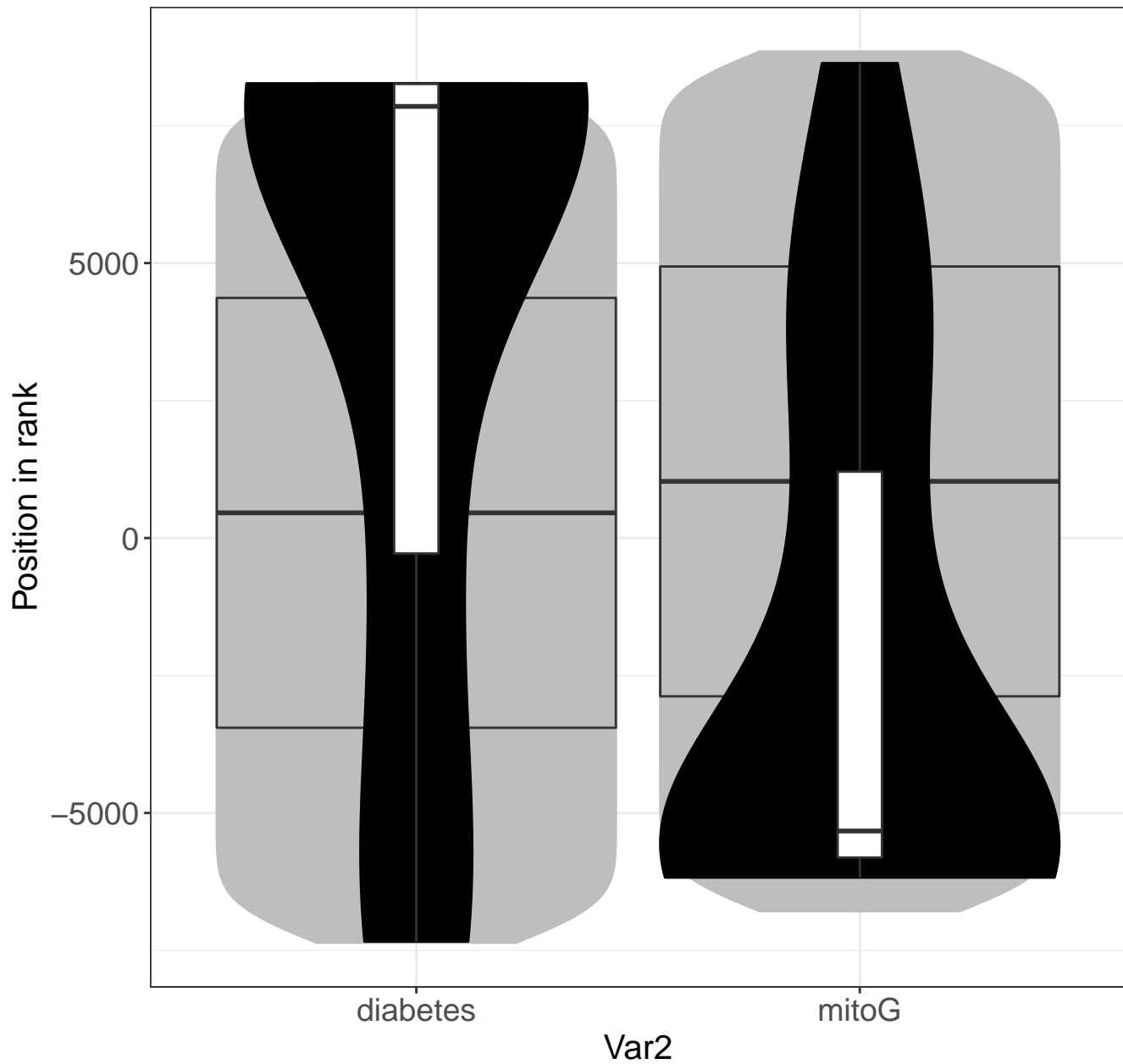
# Glucuronidation



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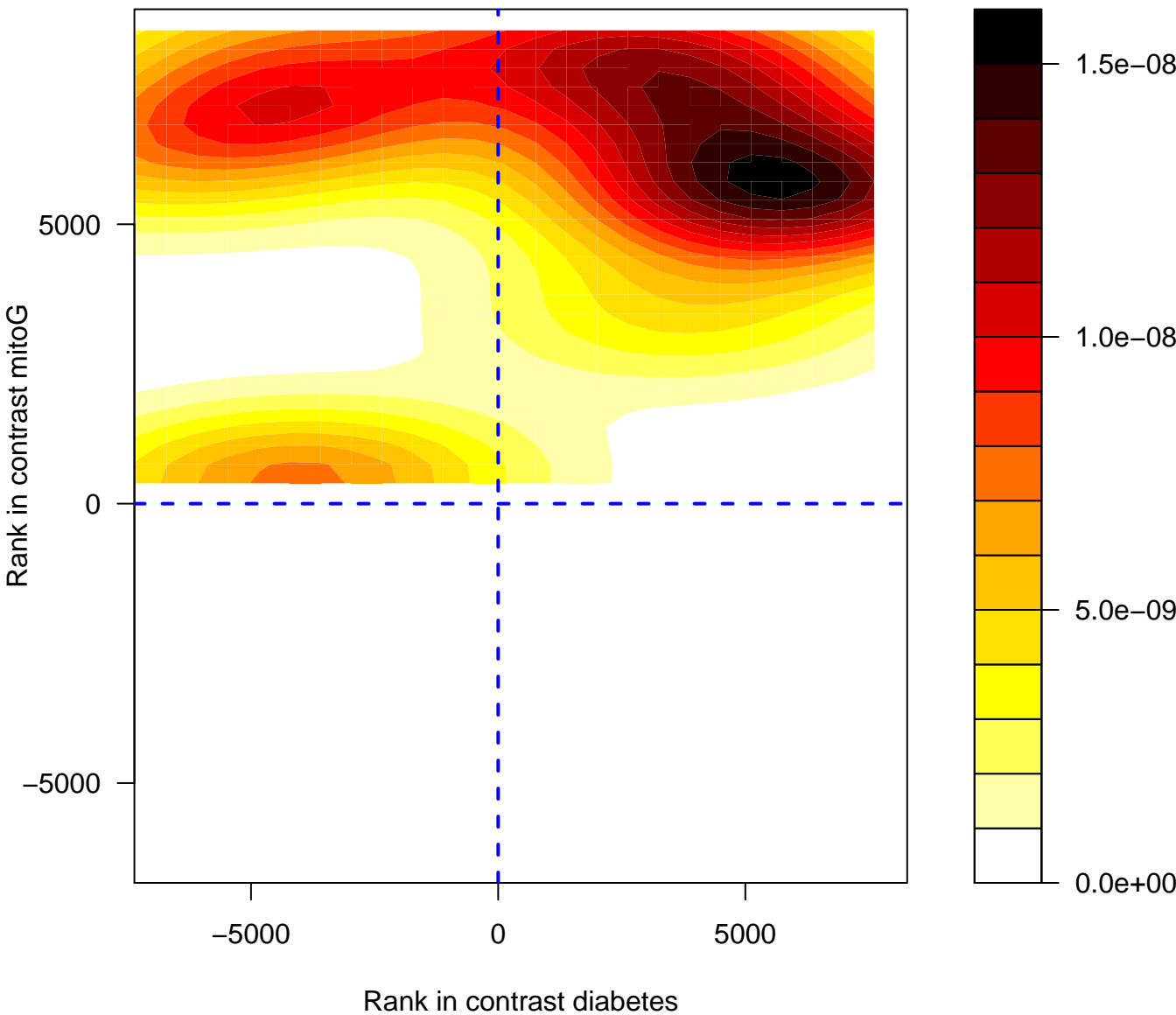


# Glucuronidation

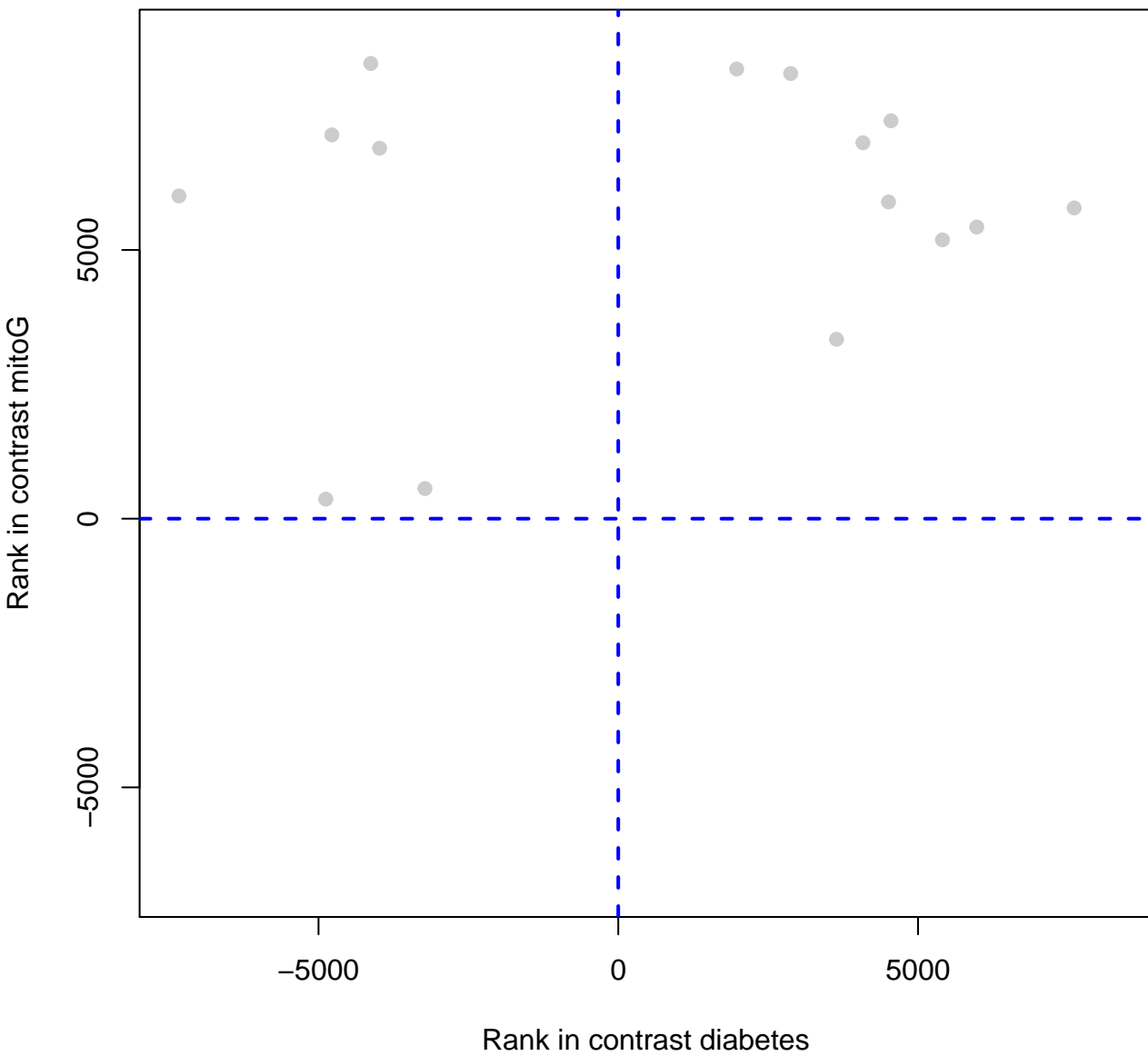




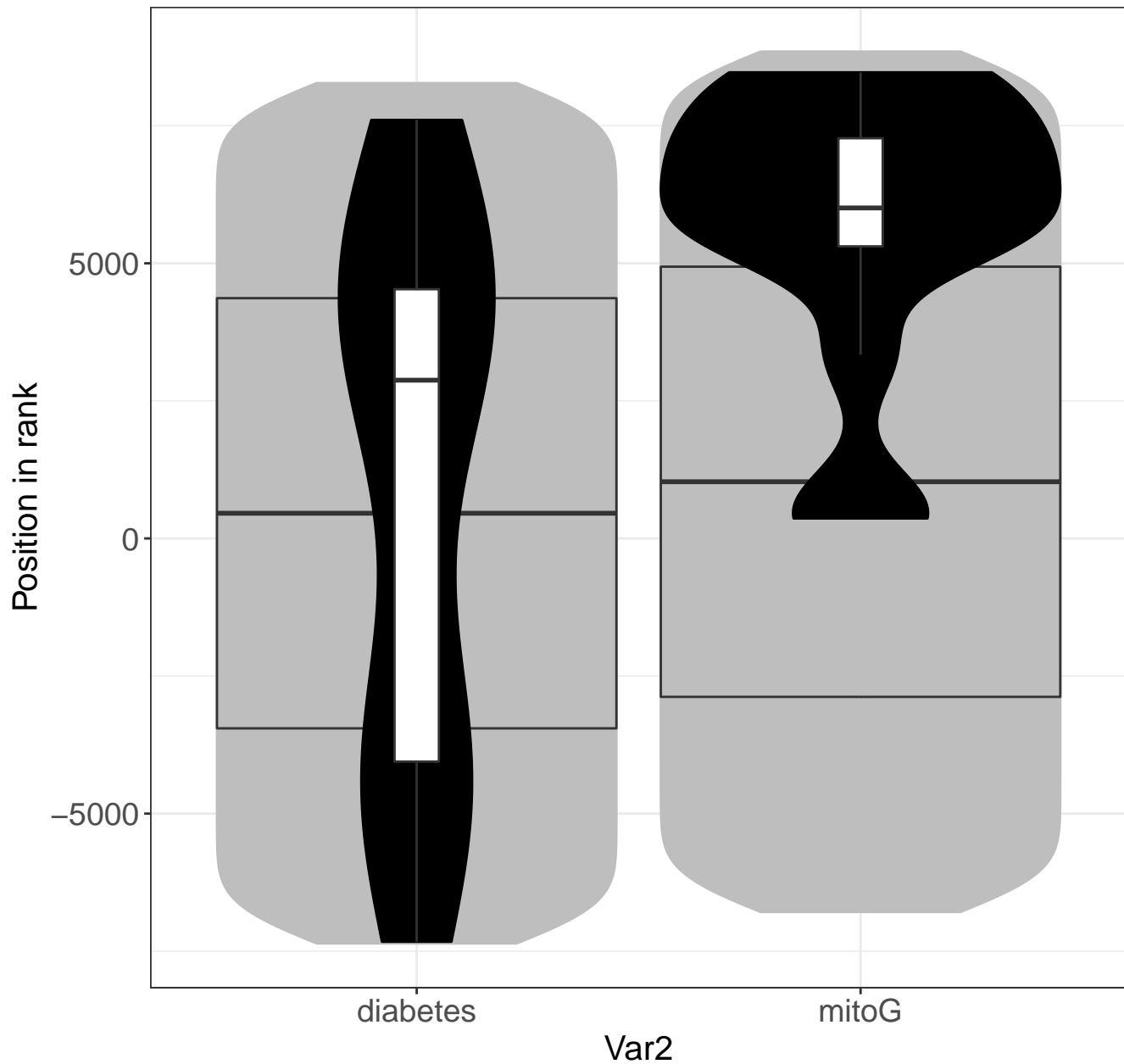
# Regulation of TLR by endogenous ligand



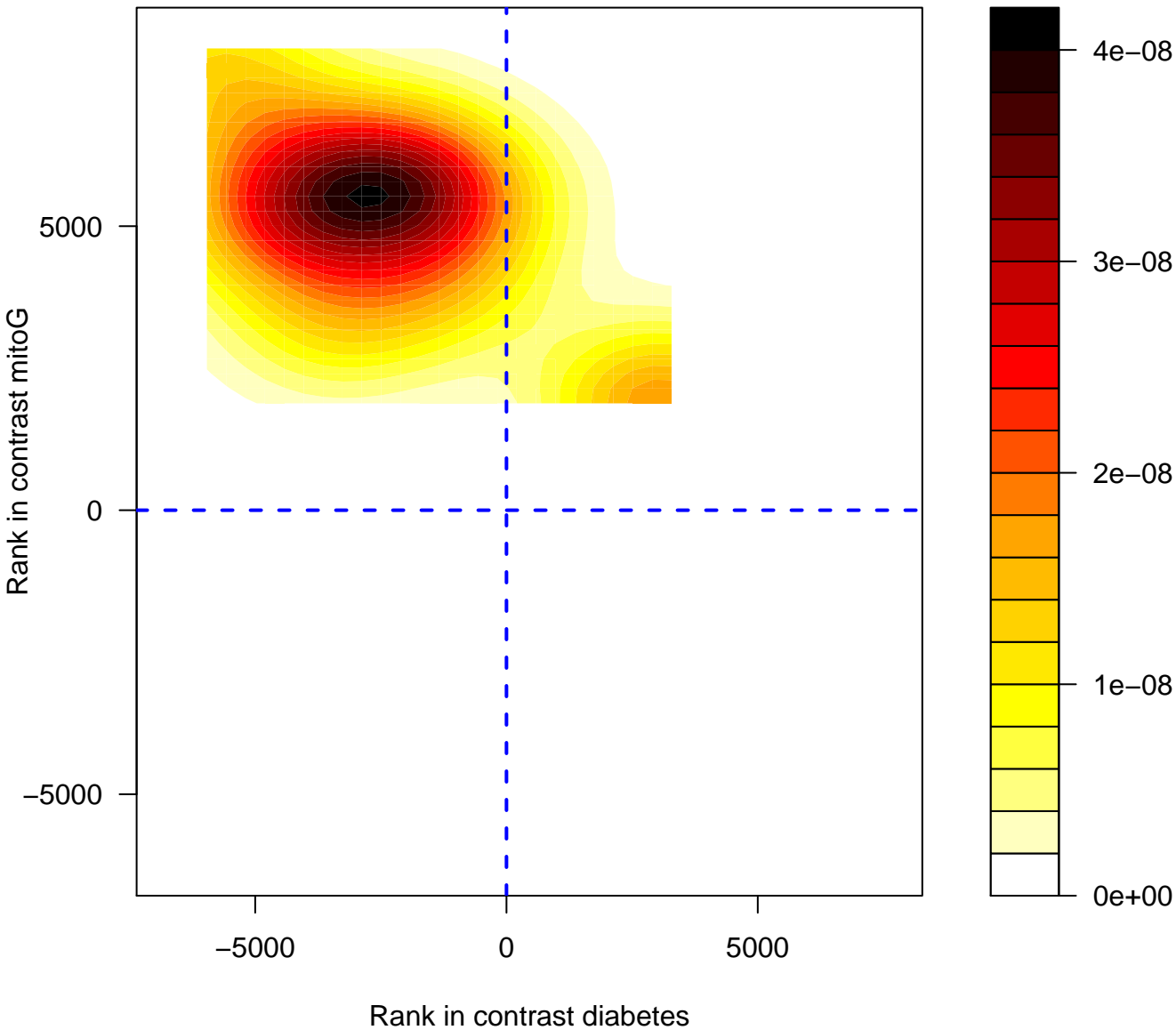
# Regulation of TLR by endogenous ligand



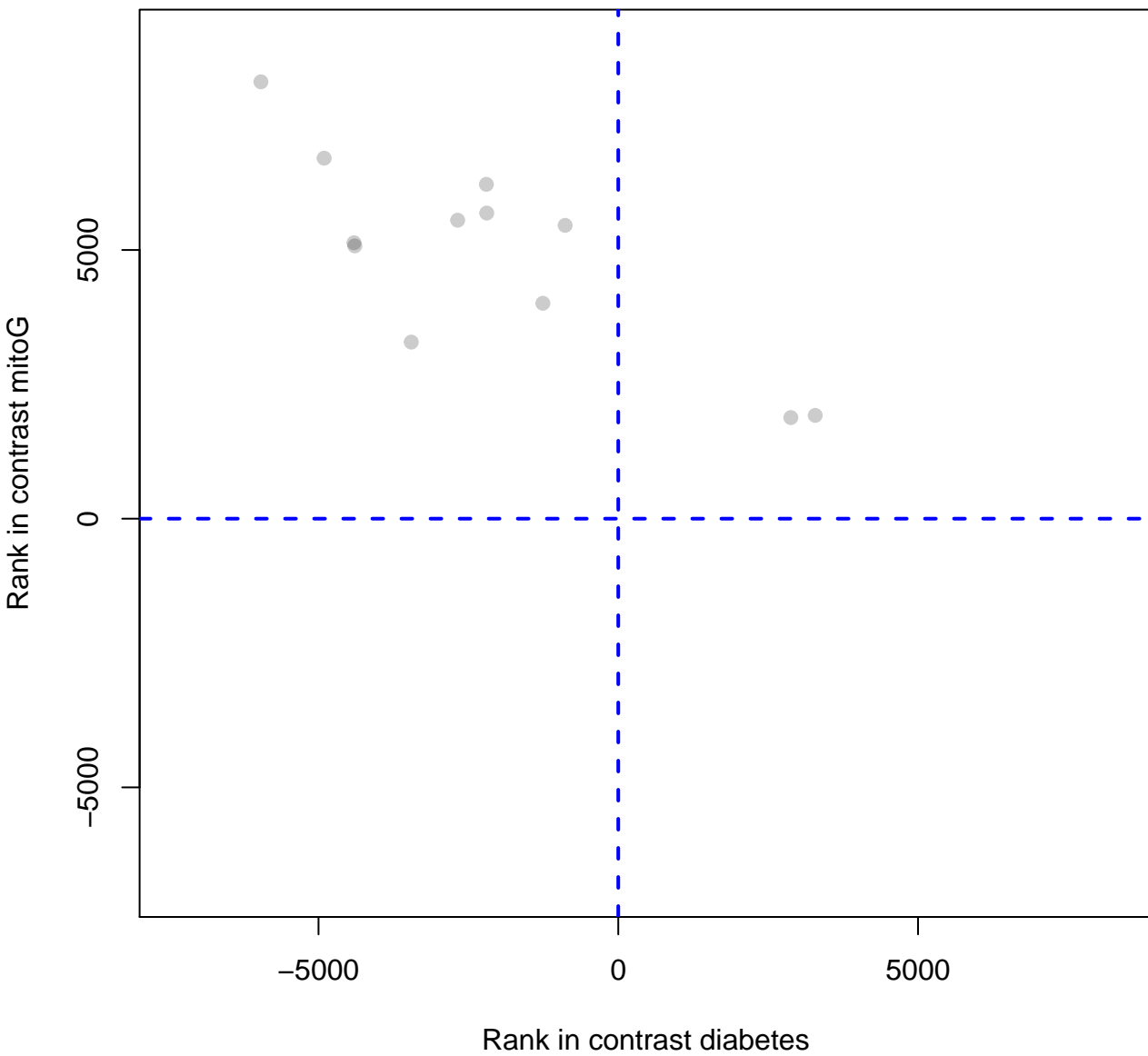
# Regulation of TLR by endogenous ligand



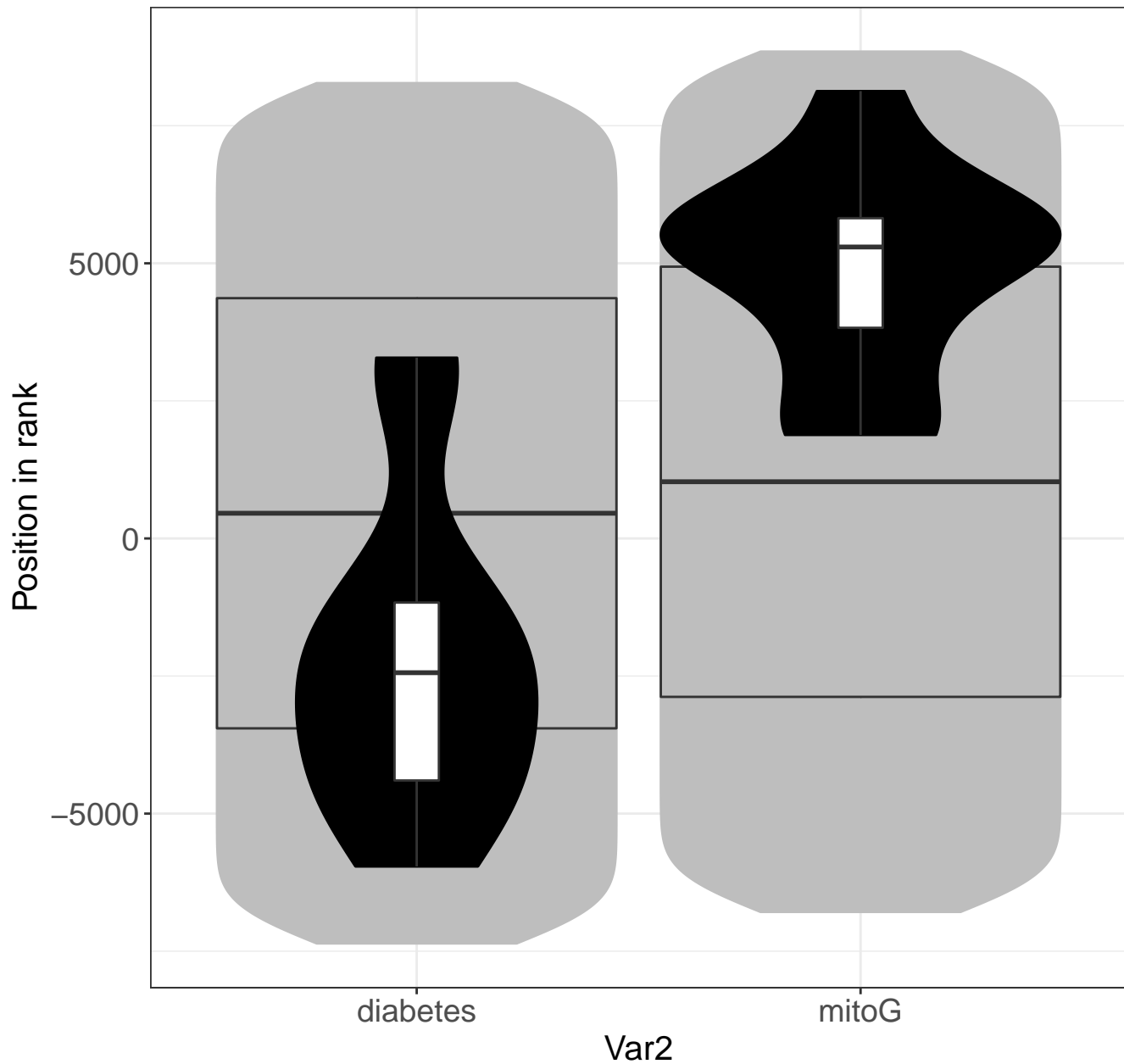
# CD28 dependent Vav1 pathway



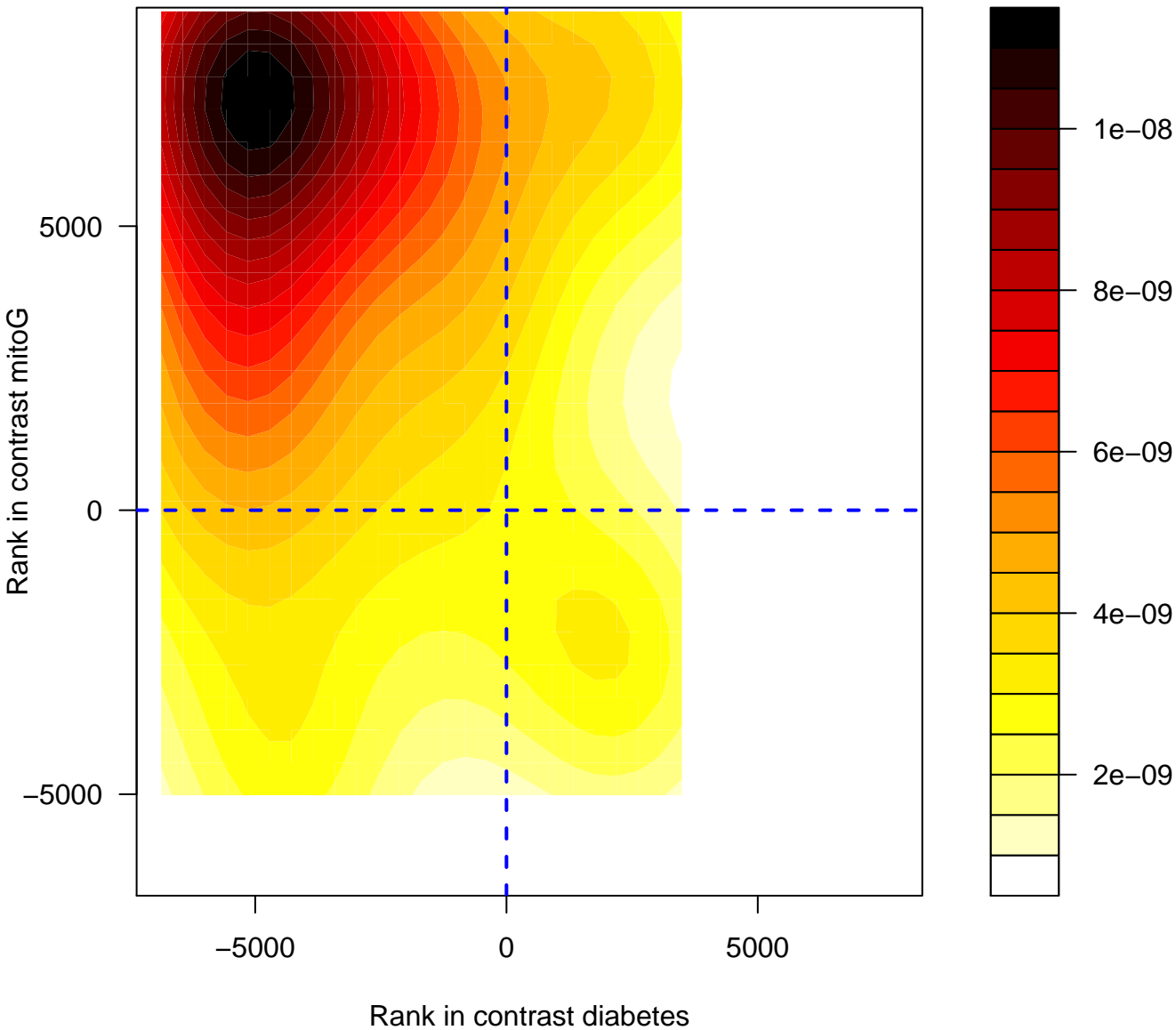
# CD28 dependent Vav1 pathway



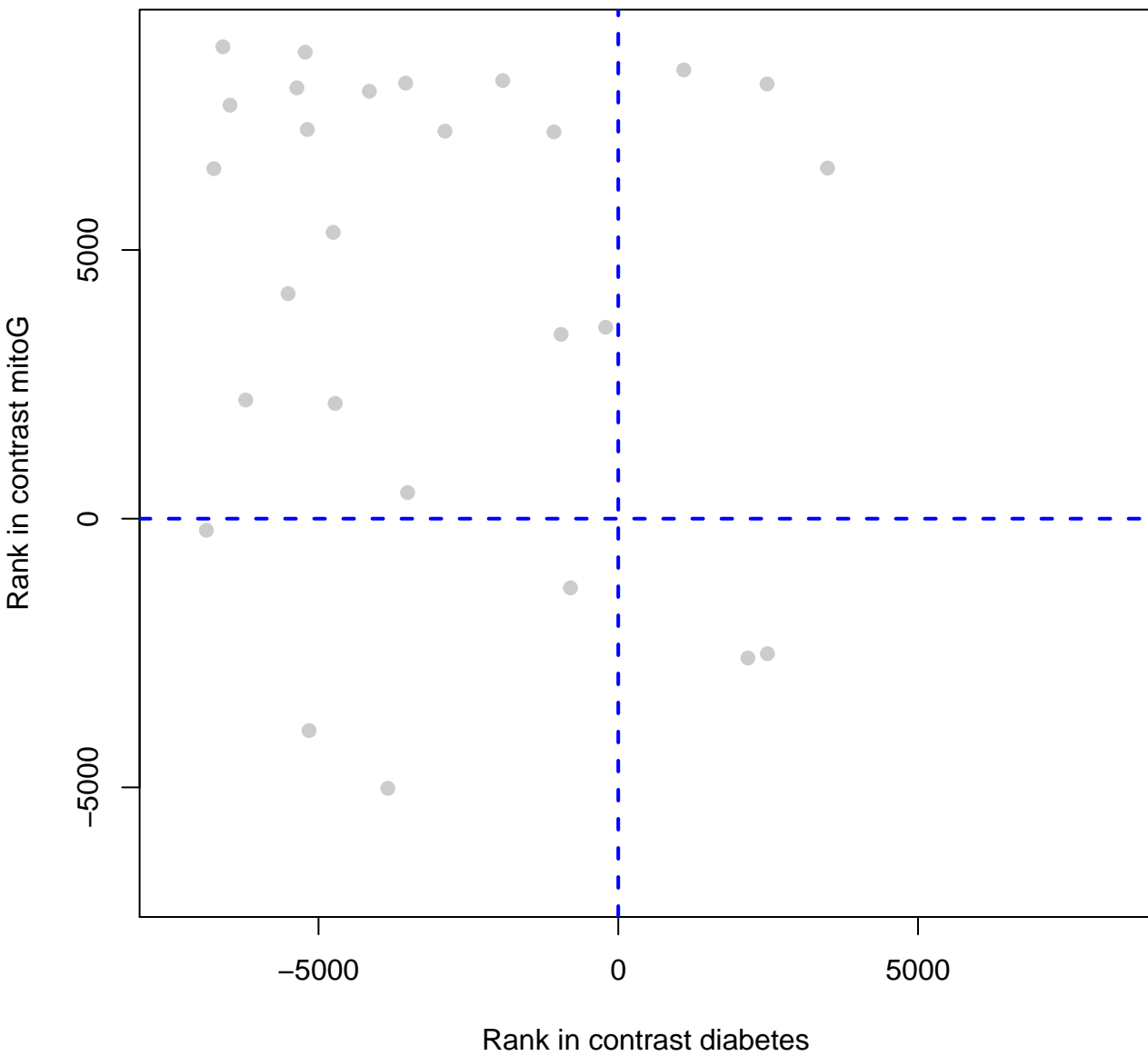
# CD28 dependent Vav1 pathway



# Cooperation of Prefoldin and TriC/CCT in actin and tubulin f

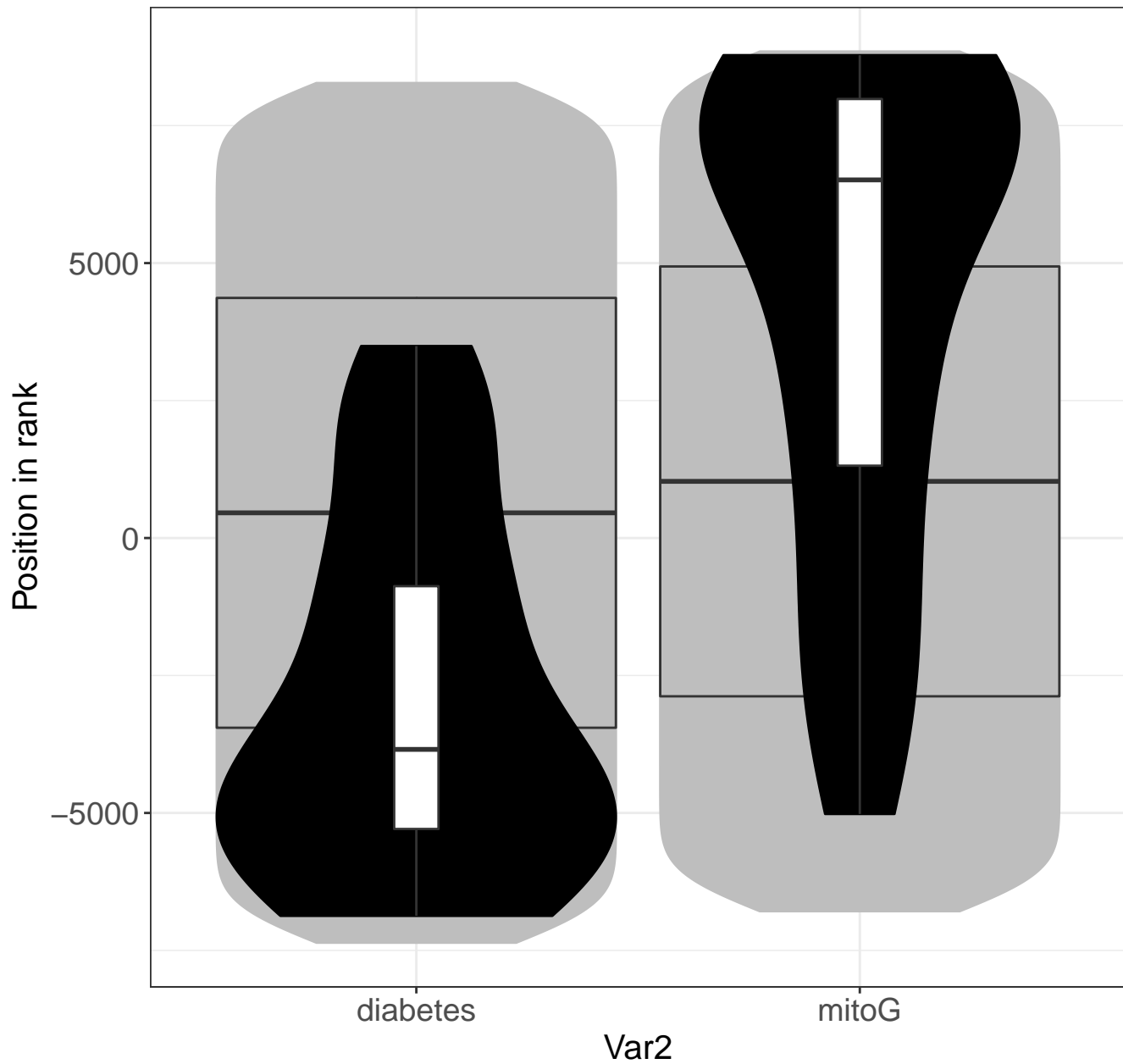


# Cooperation of Prefoldin and TriC/CCT in actin and tubulin folding

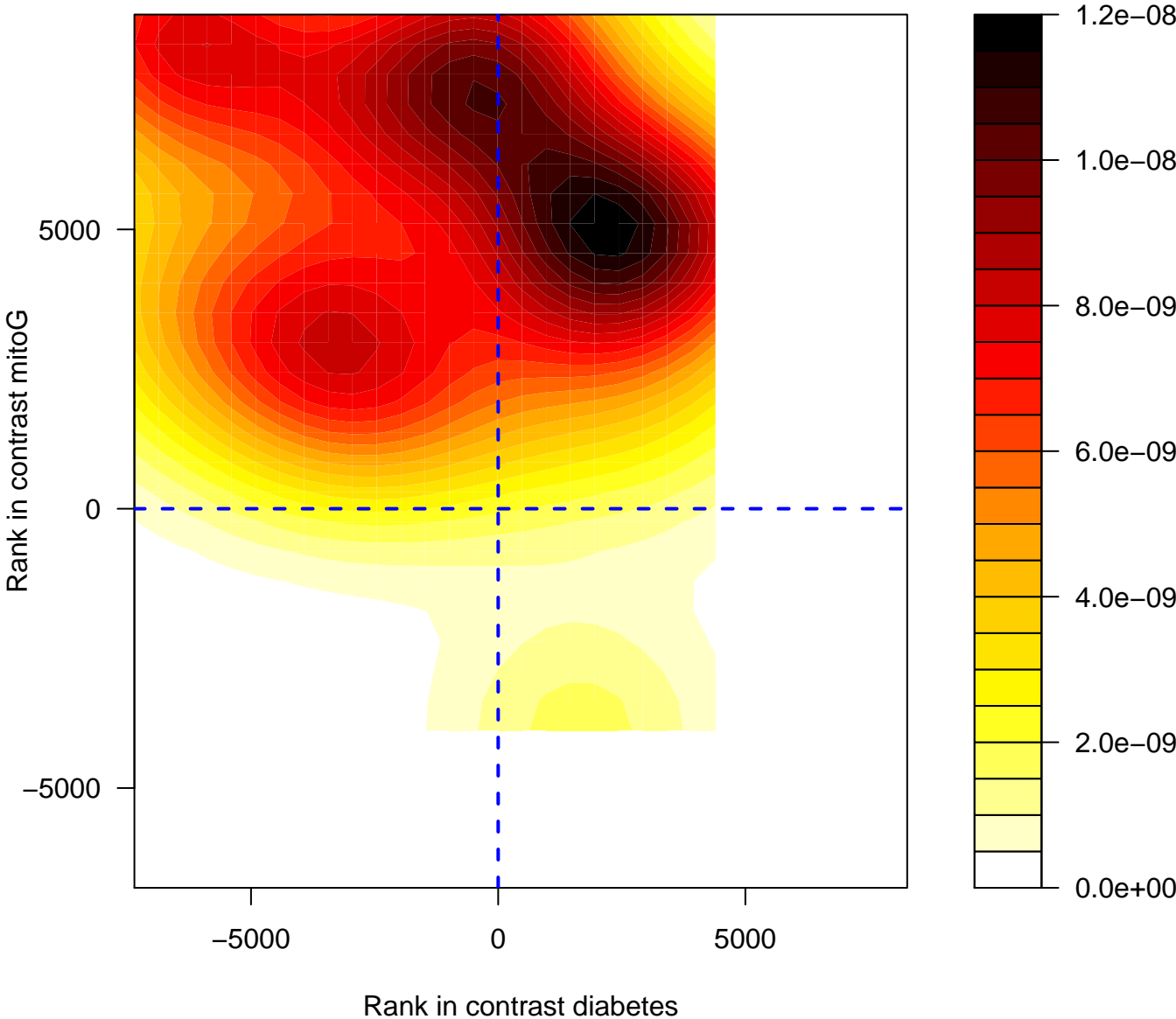




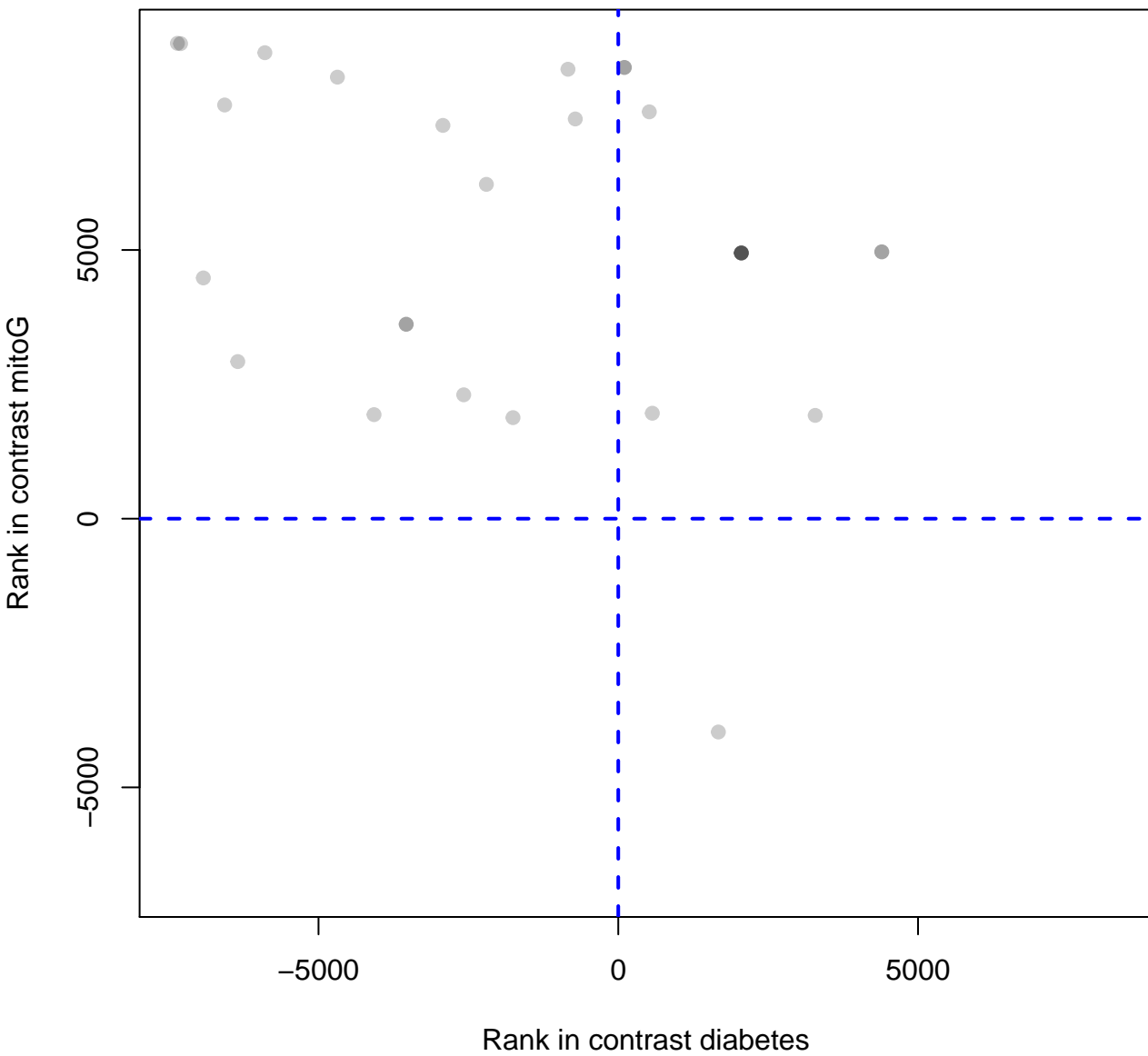
# Cooperation of Prefoldin and TriC/CCT in actin an



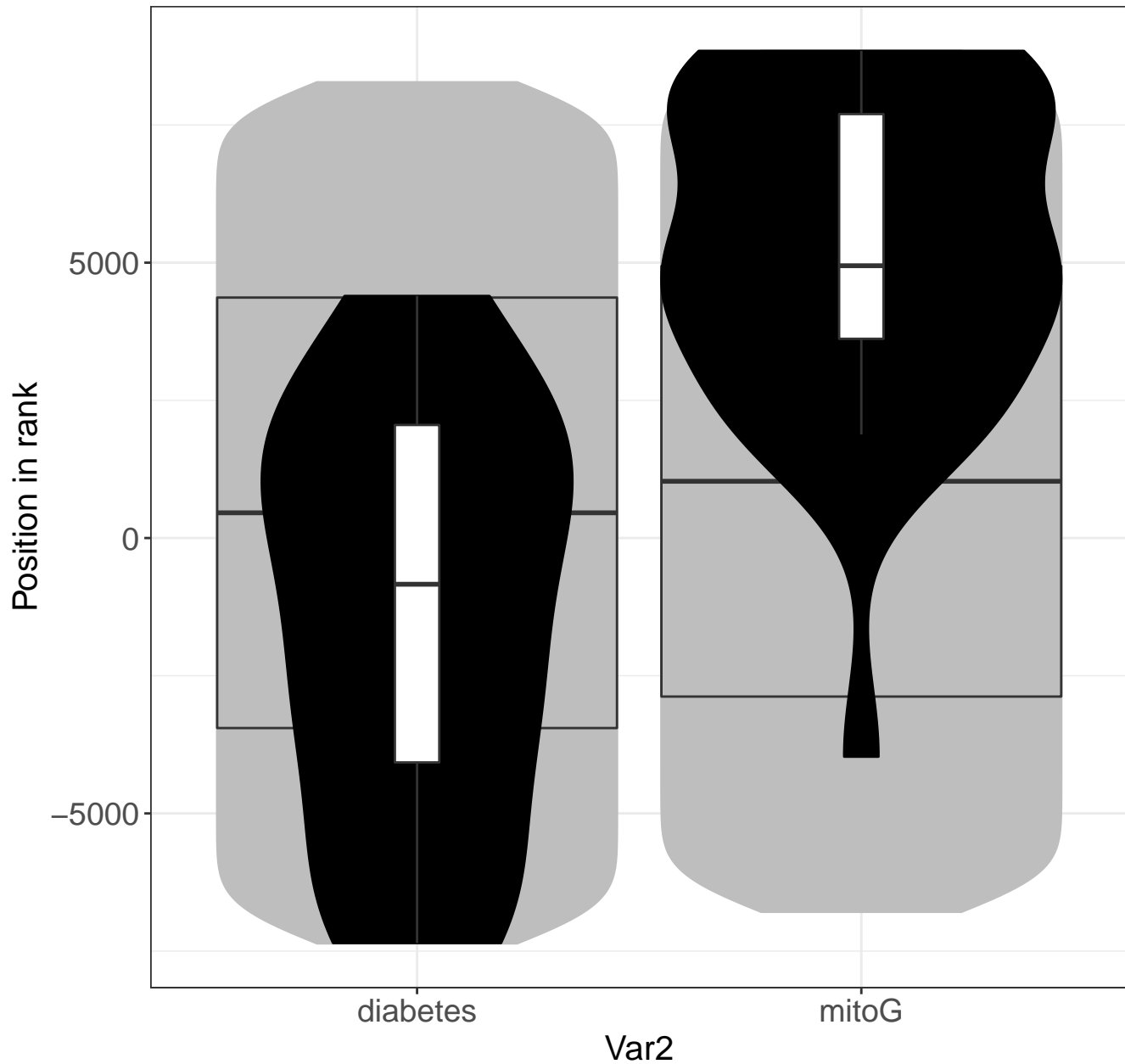
# Role of LAT2/NTAL/LAB on calcium mobilization



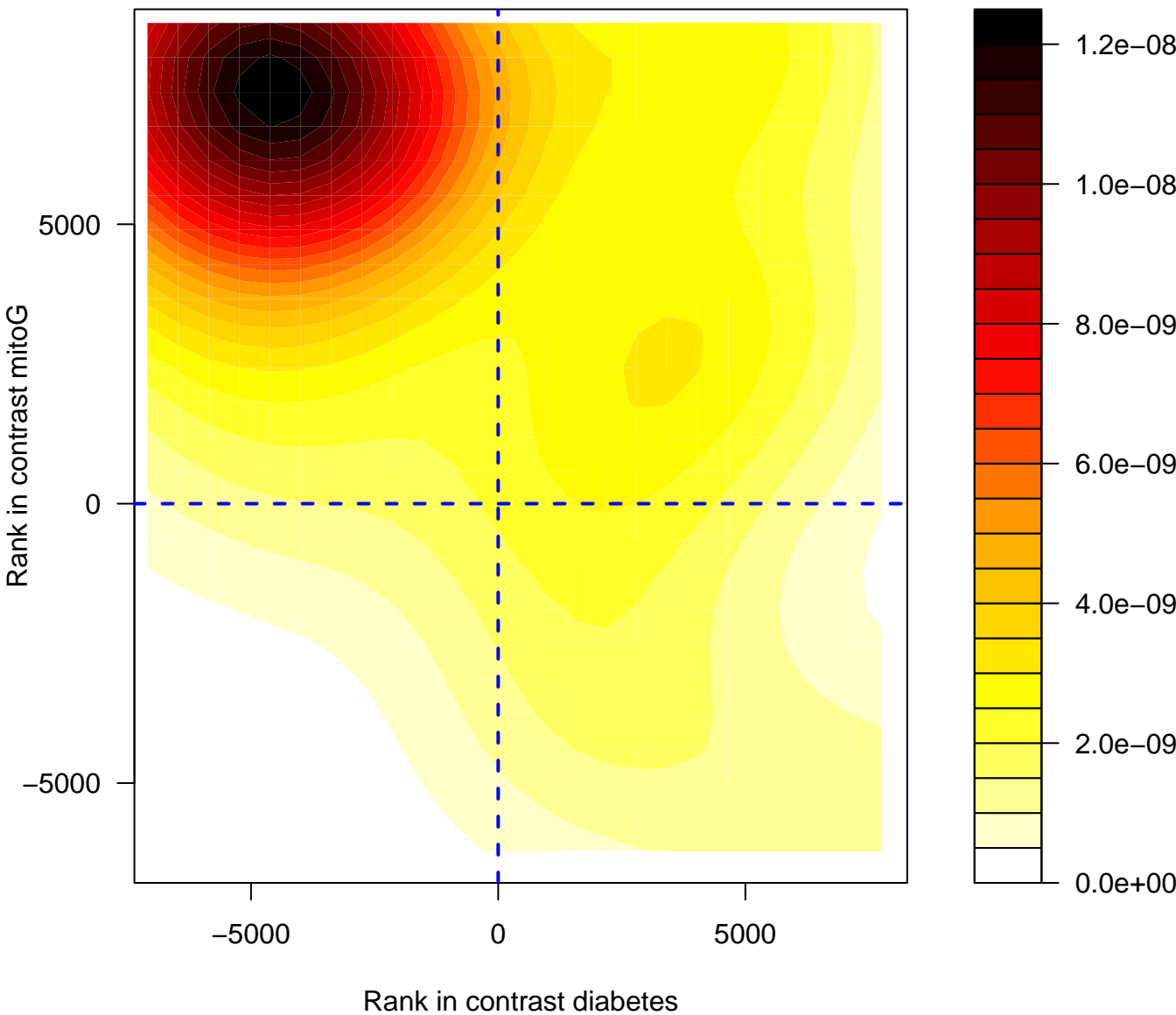
# Role of LAT2/NTAL/LAB on calcium mobilization



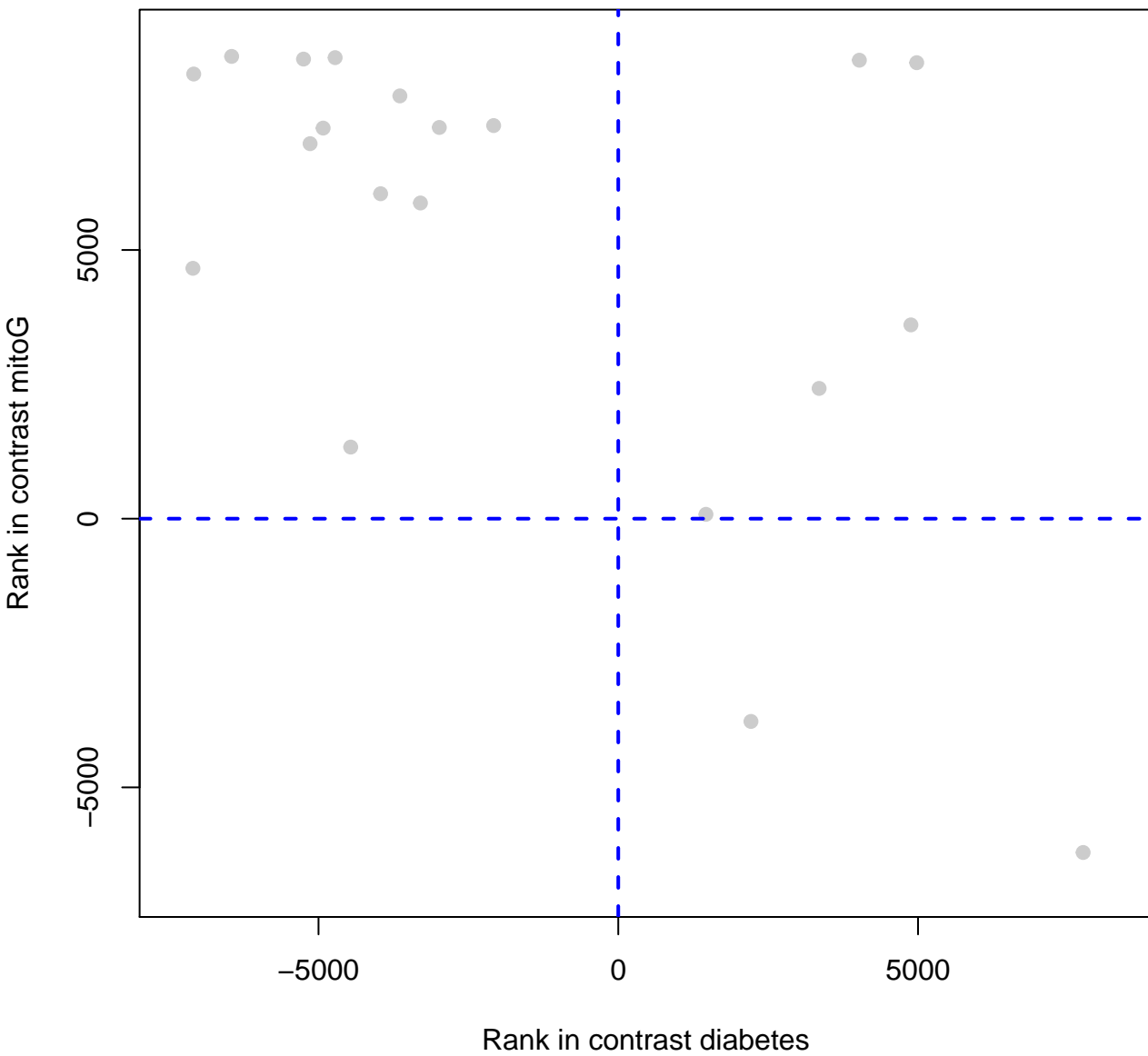
# Role of LAT2/NTAL/LAB on calcium mobilization



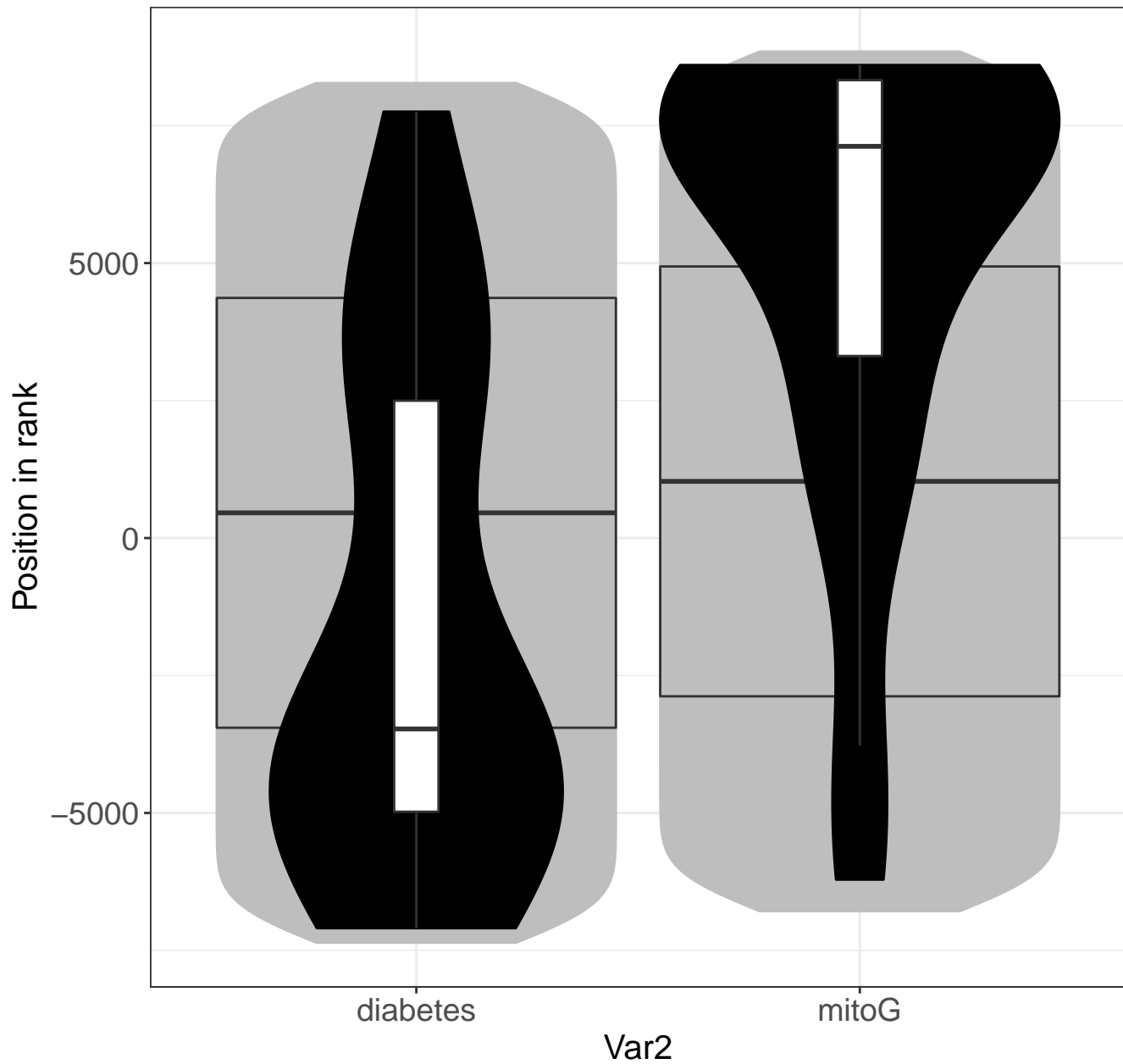
# Signaling by Hippo



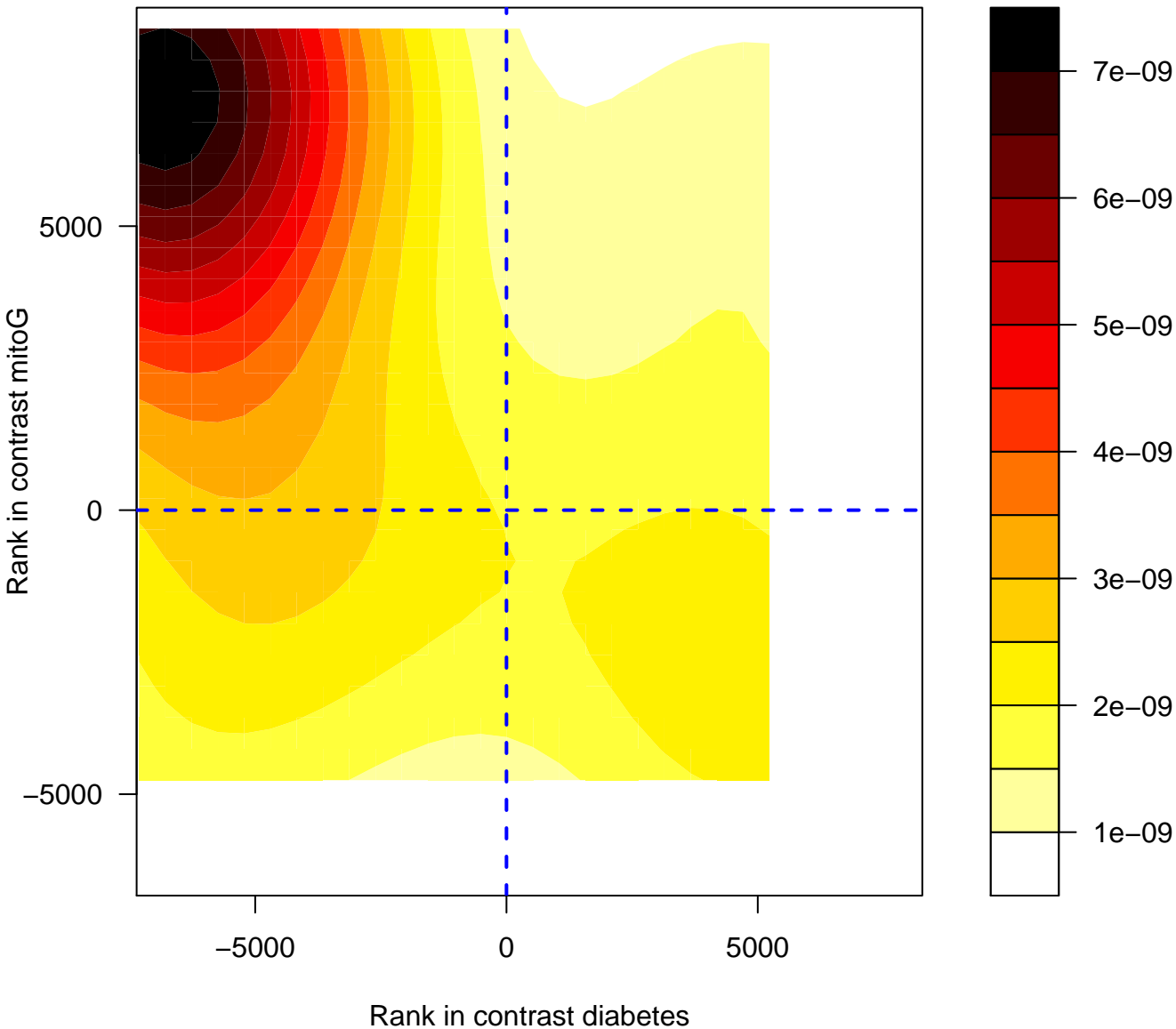
# Signaling by Hippo



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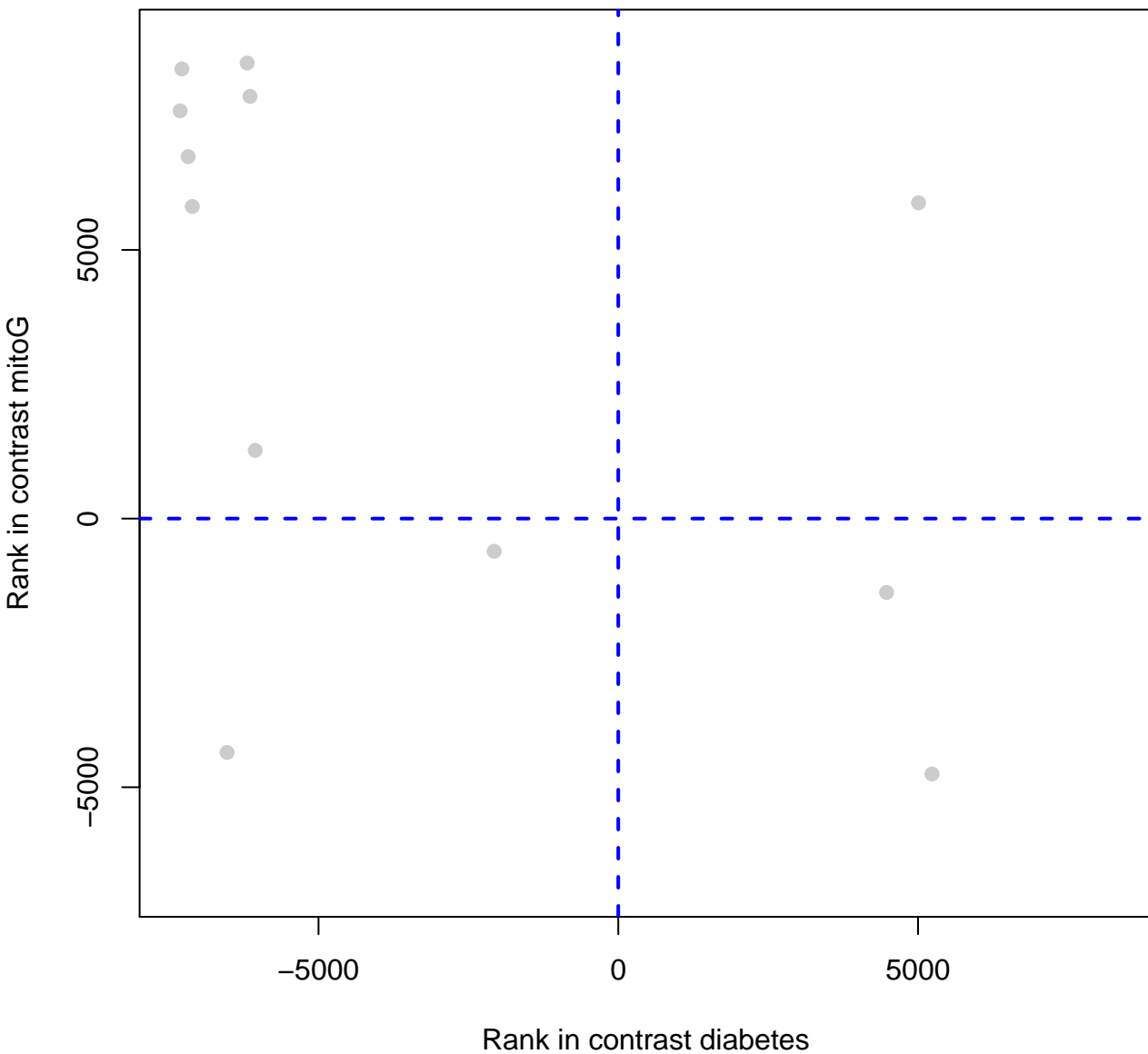


# ATF6 (ATF6-alpha) activates chaperones

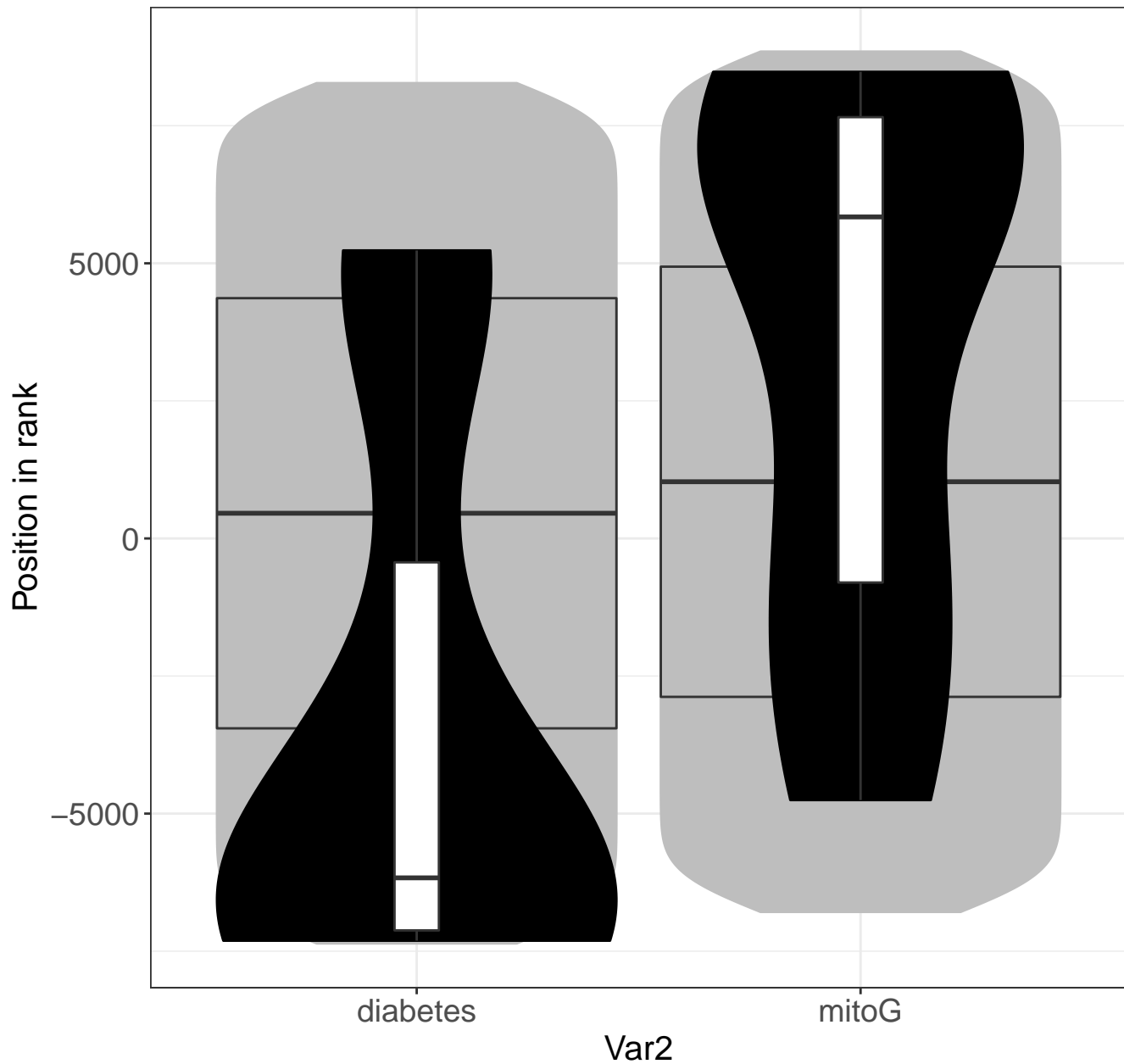




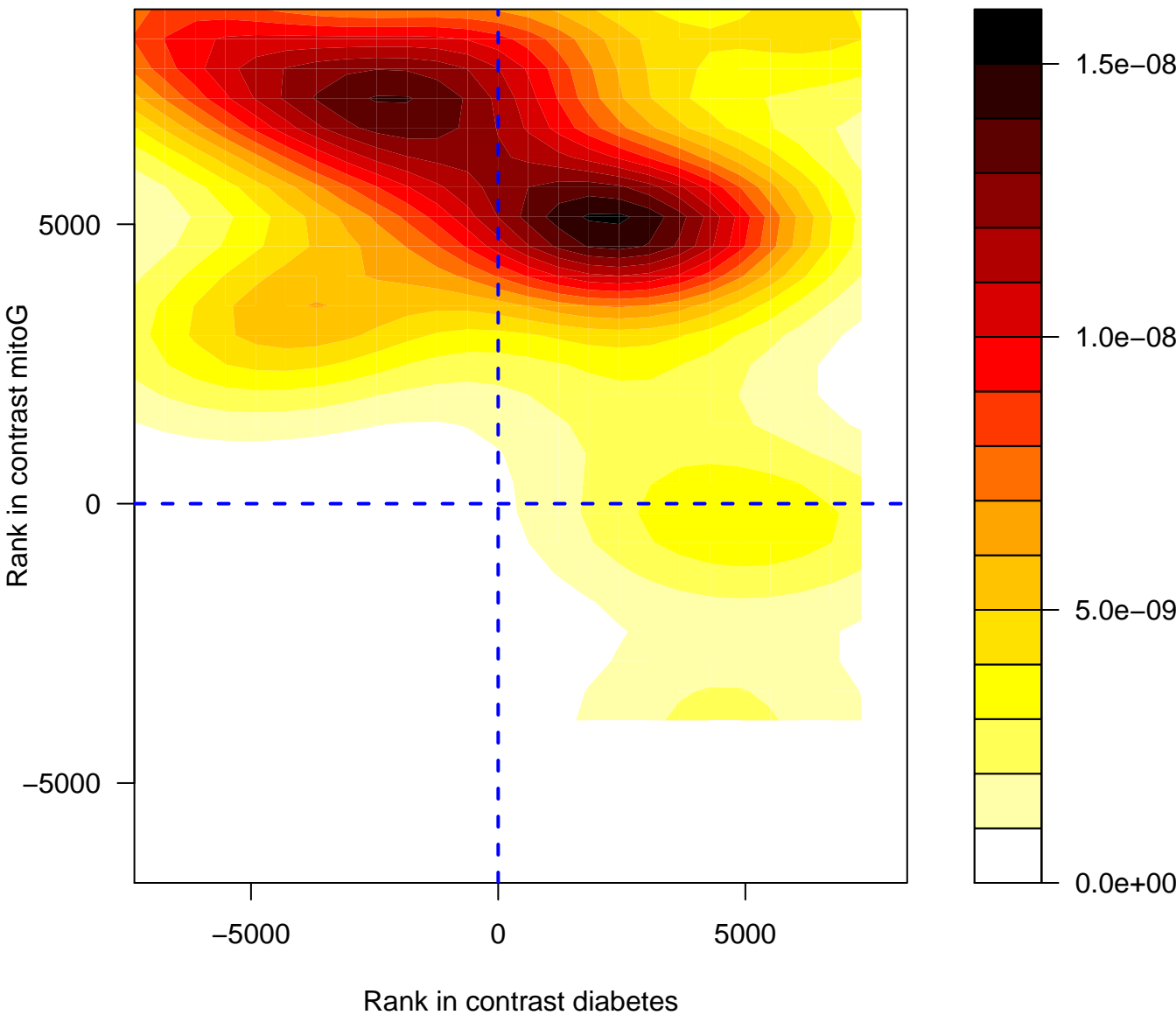
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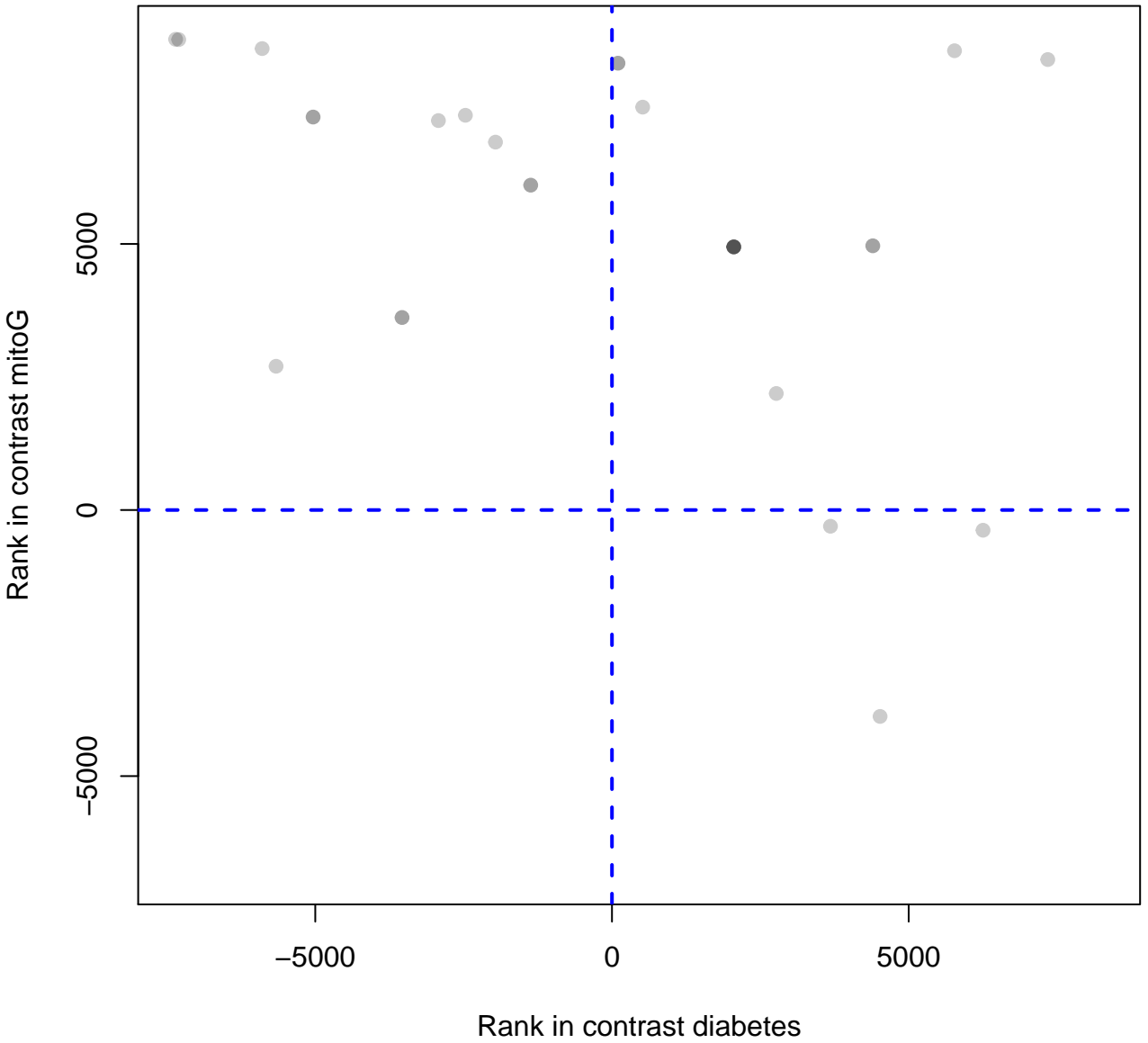
# ATF6 (ATF6-alpha) activates chaperones



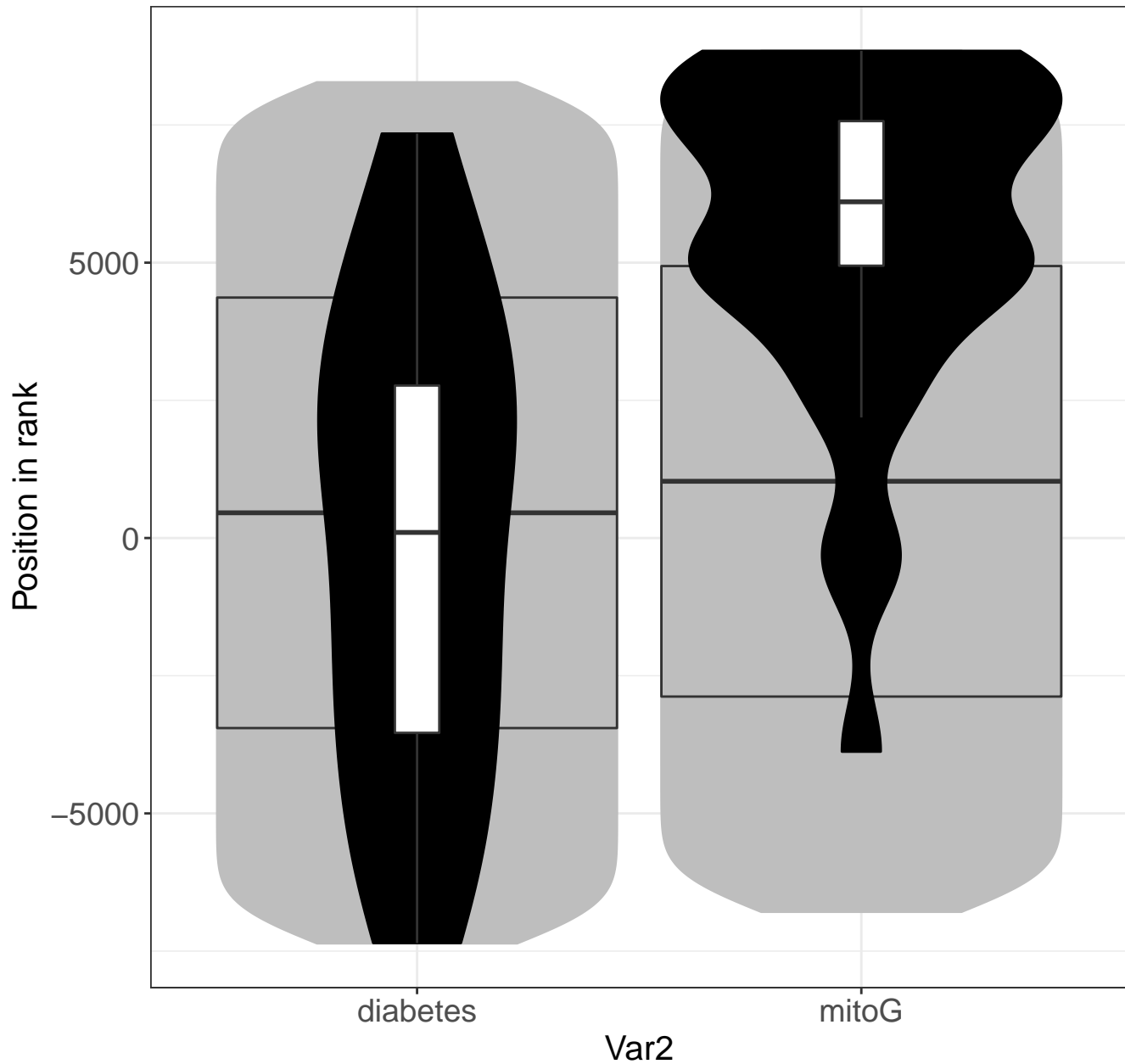
# Scavenging of heme from plasma



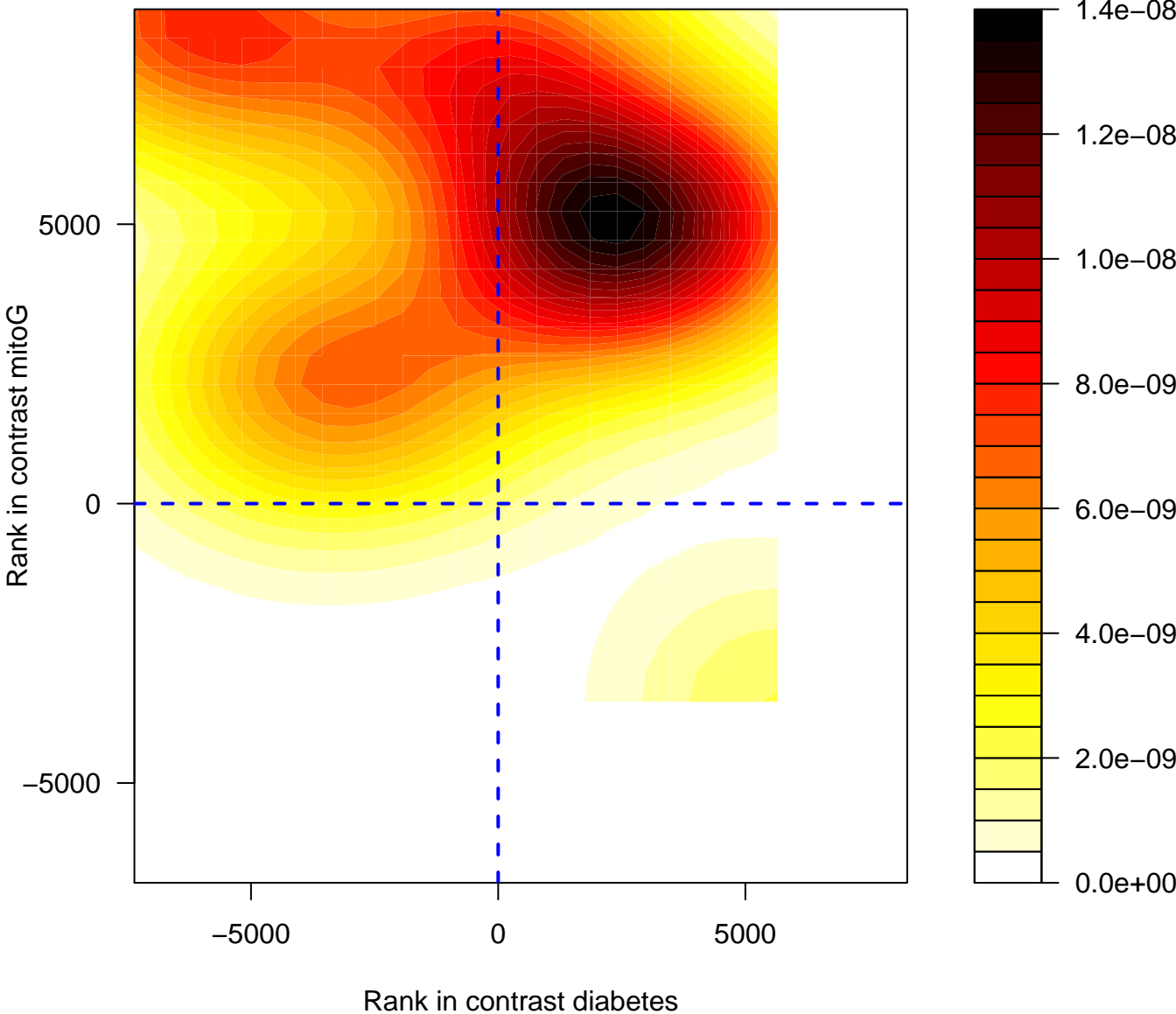
# Scavenging of heme from plasma



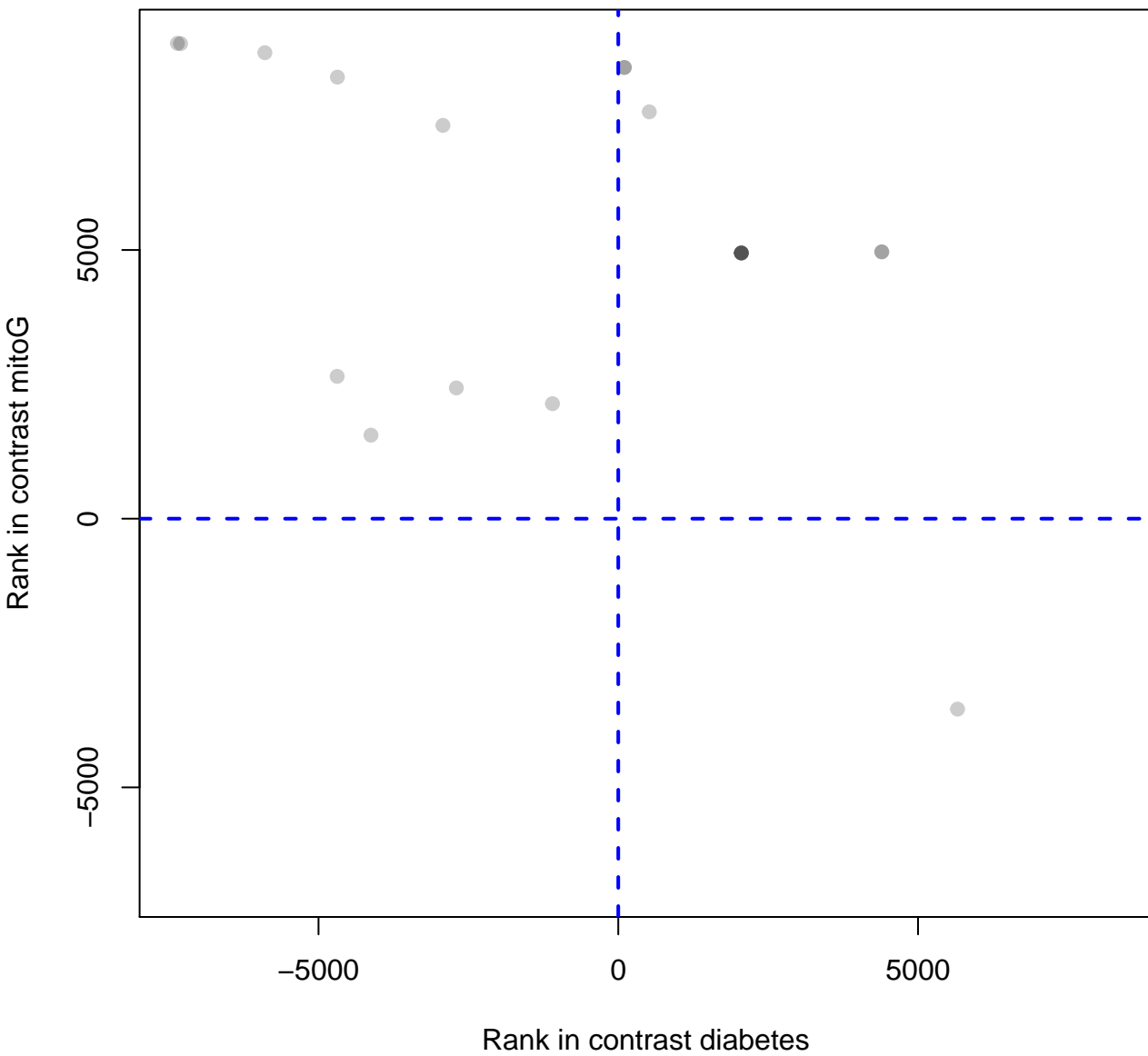
# Scavenging of heme from plasma



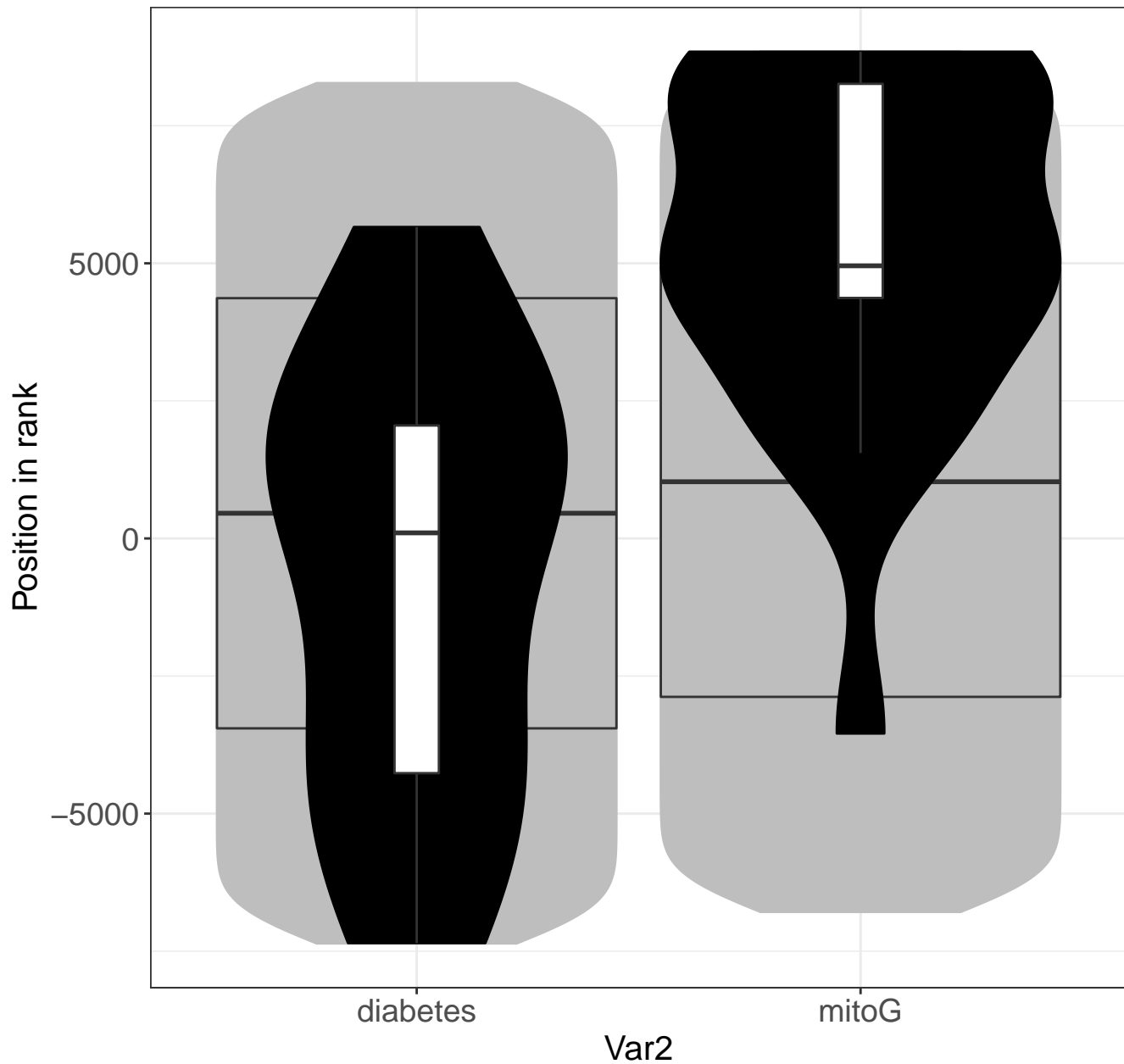
# CD22 mediated BCR regulation



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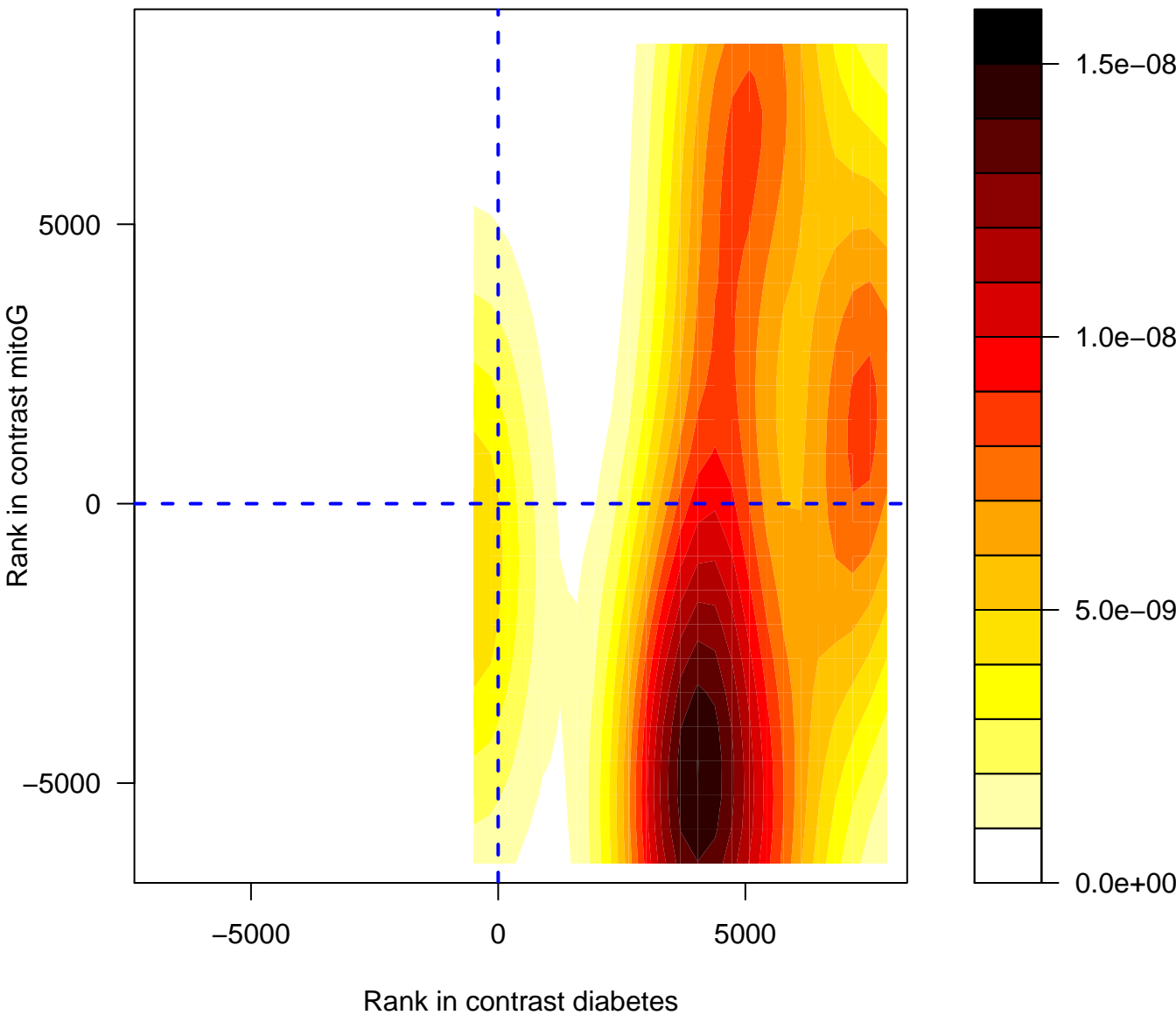


# CD22 mediated BCR regulation

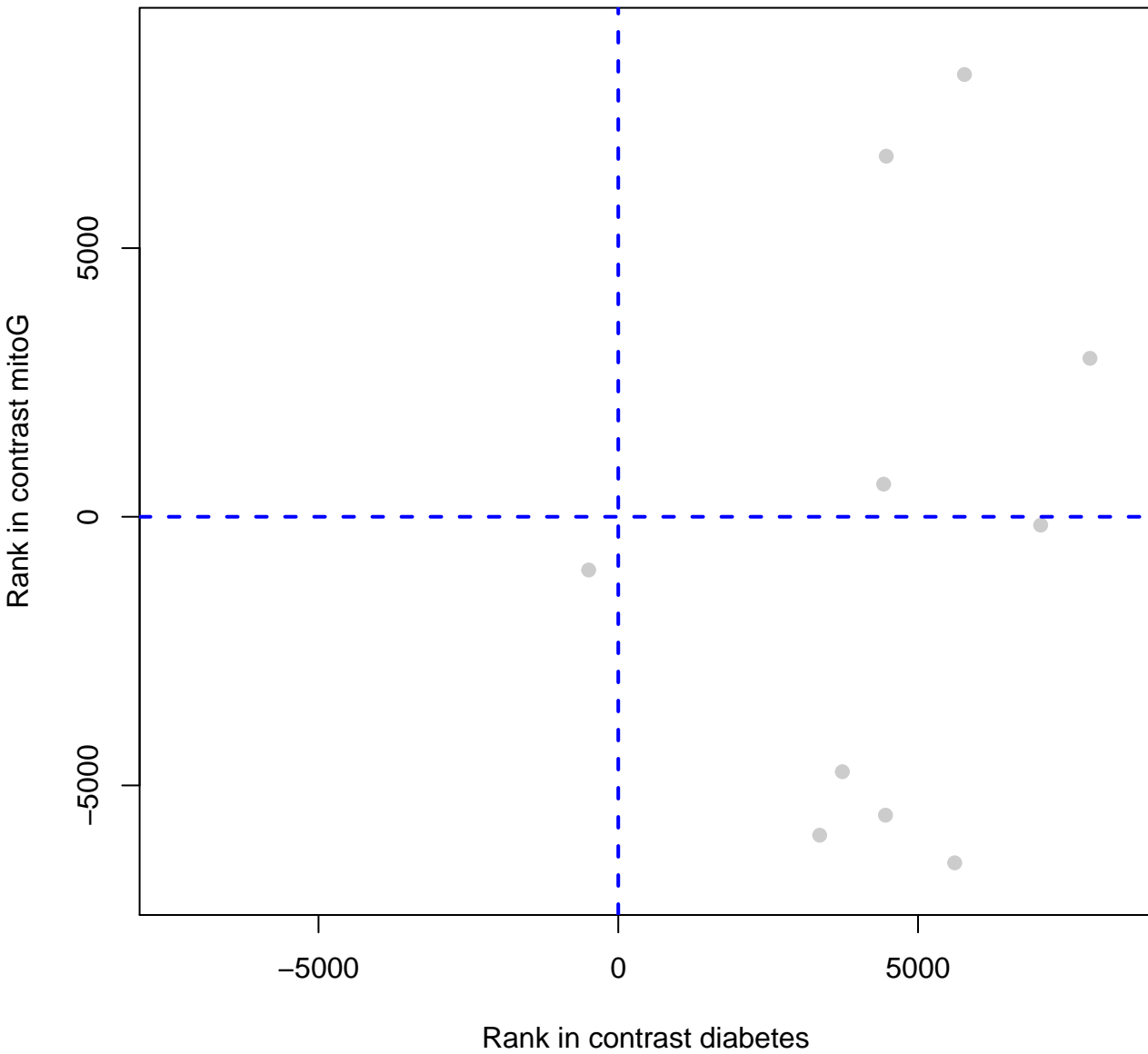




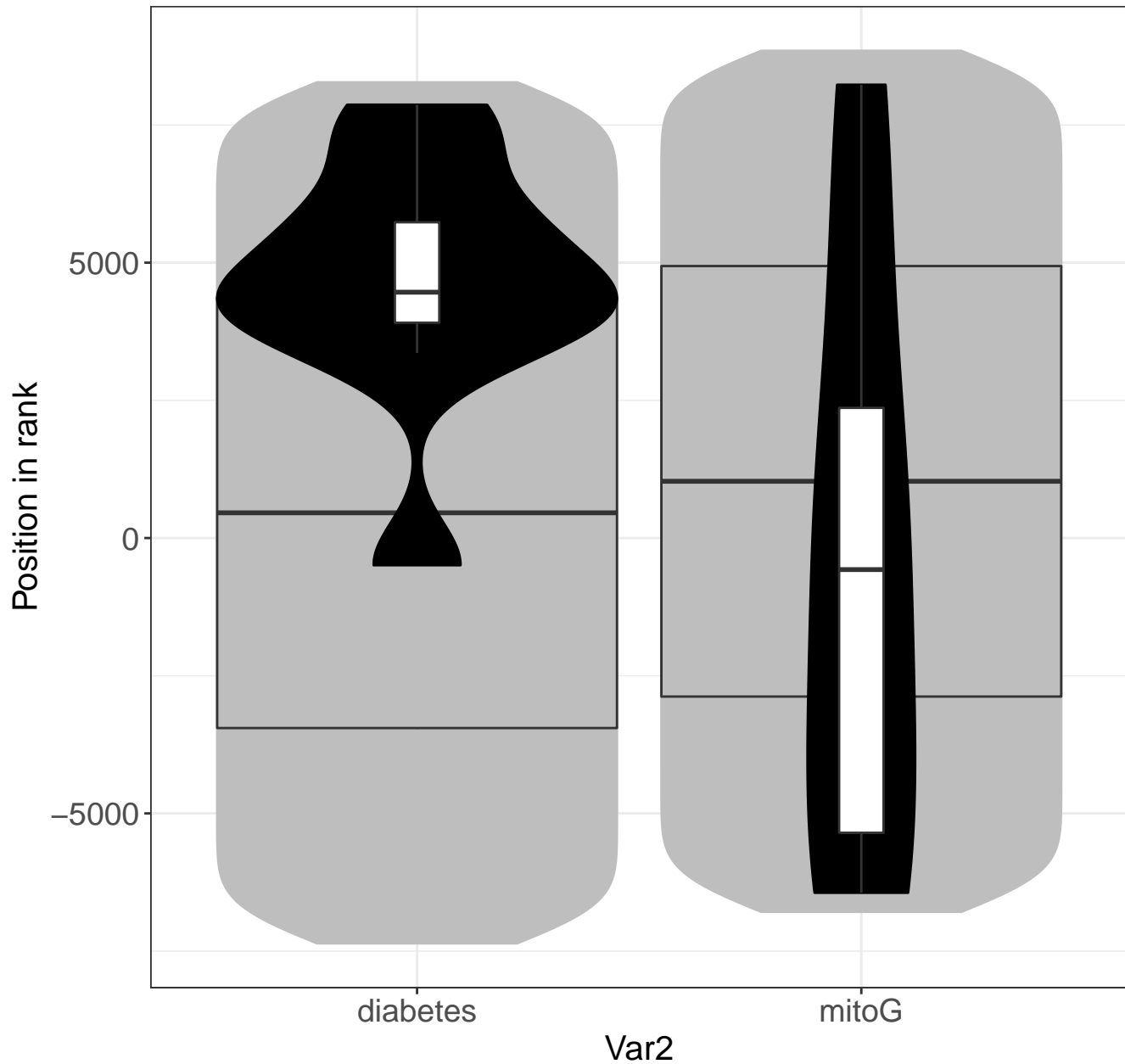
# Pyrimidine salvage



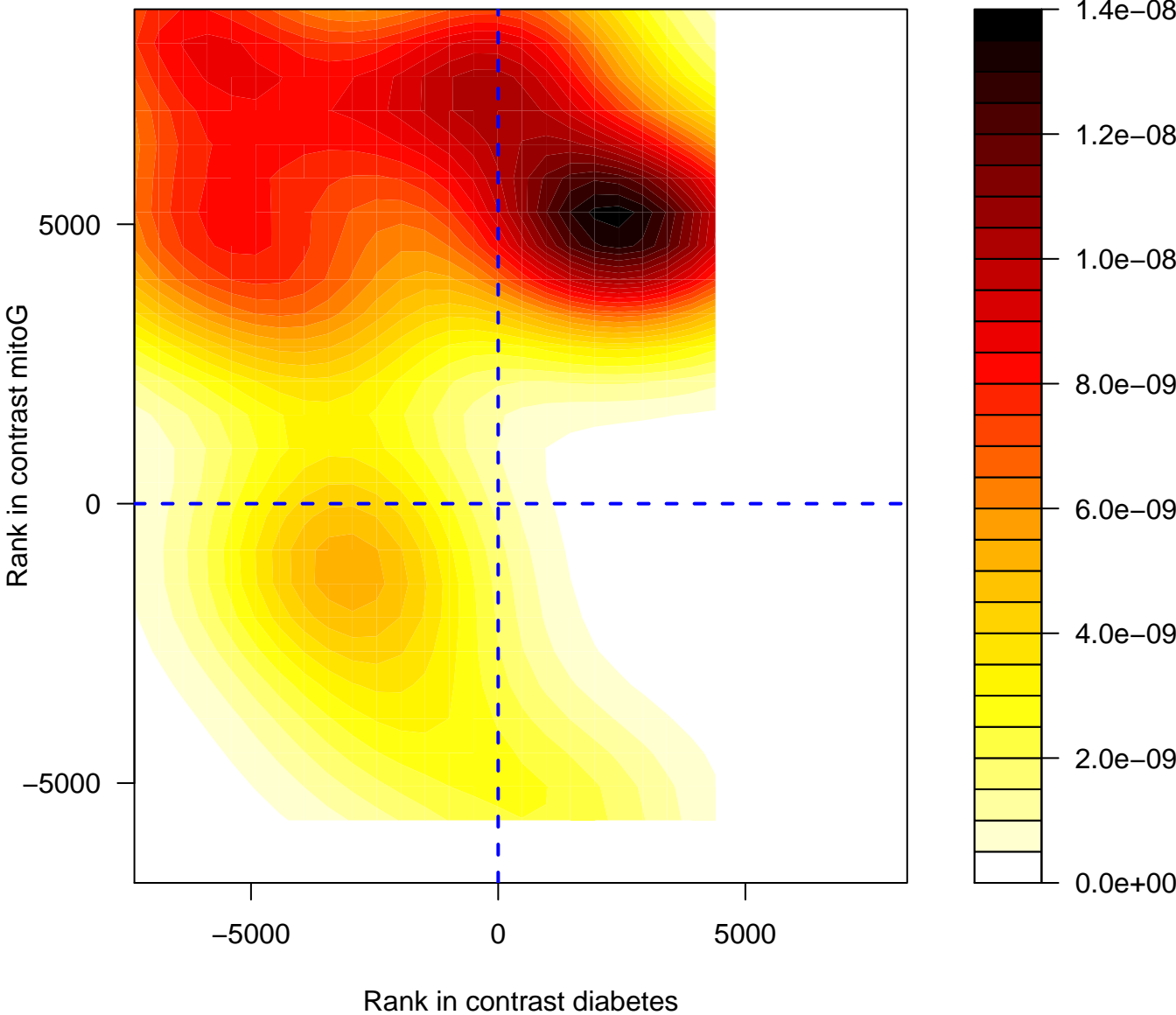
# Pyrimidine salvage



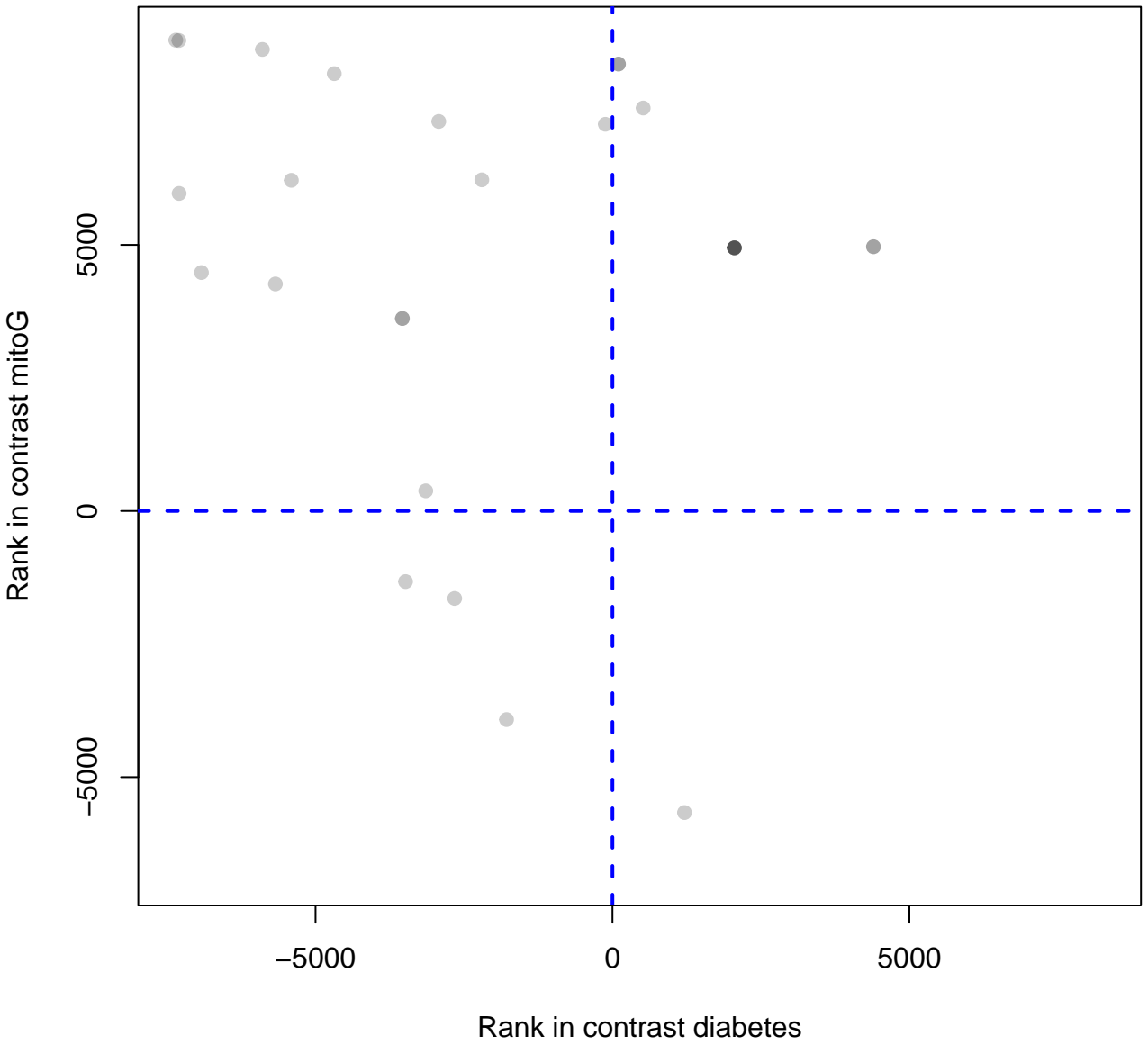
# Pyrimidine salvage



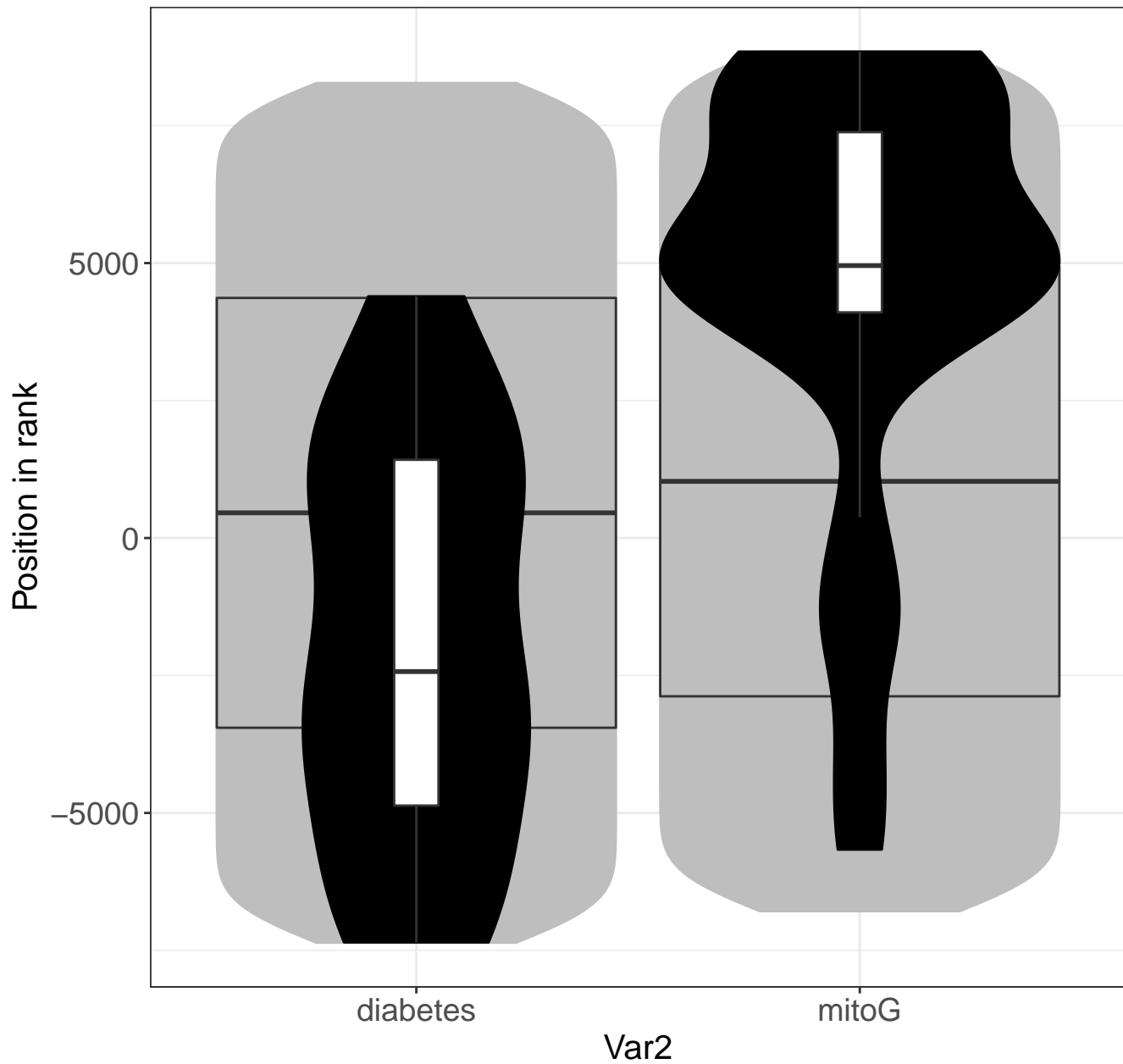
# FCGR activation



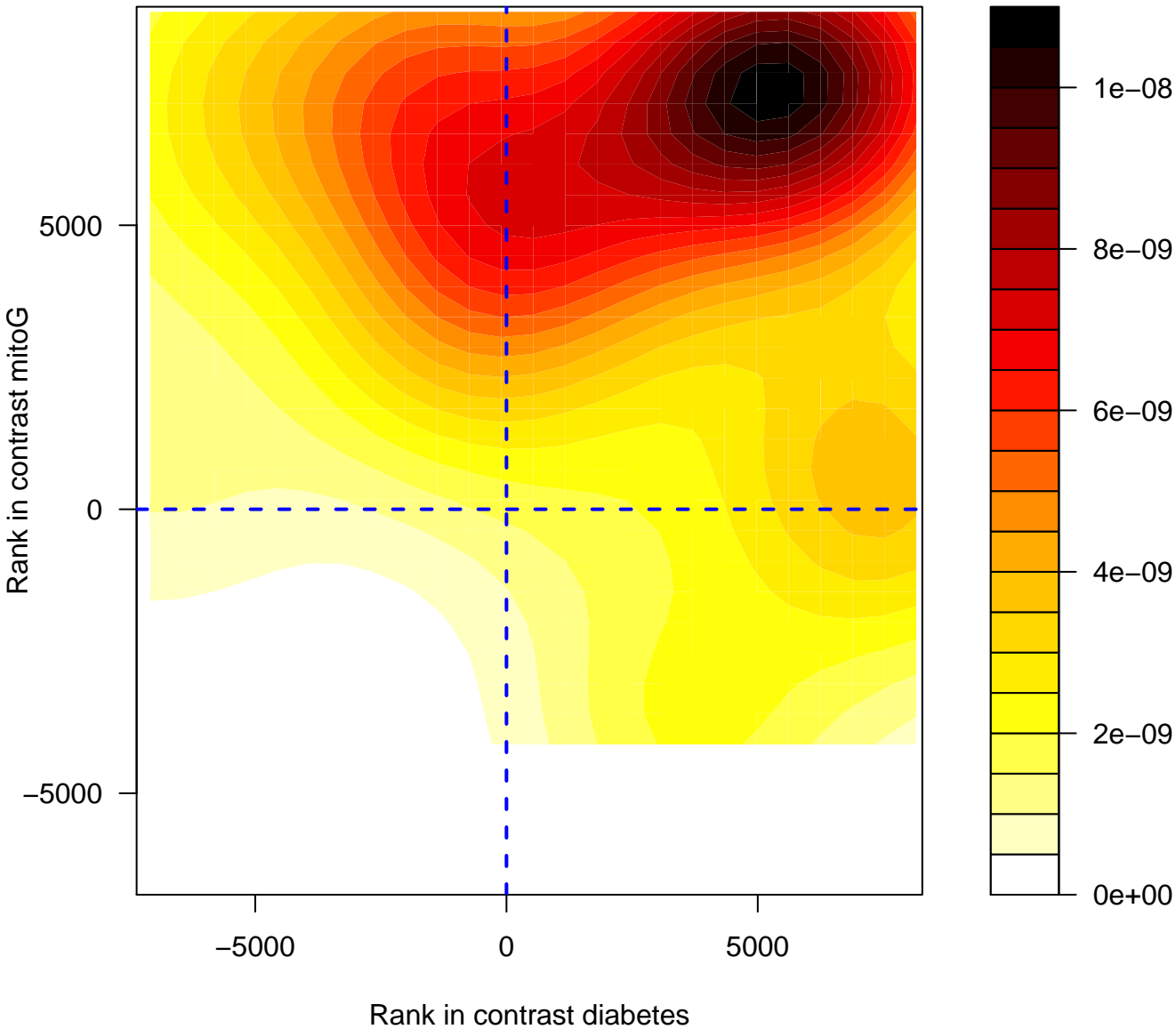
# FCGR activation



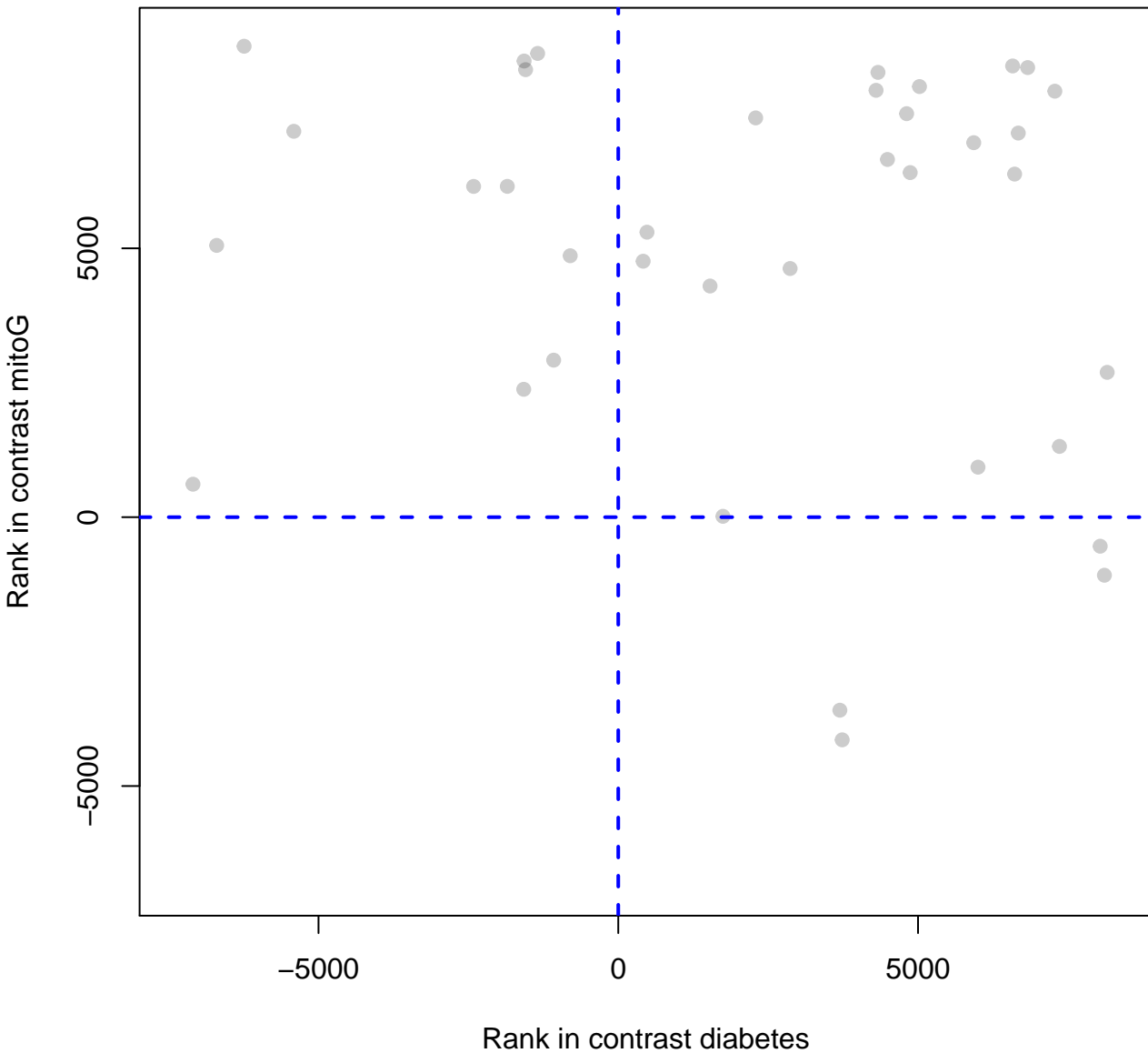
# FCGR activation



# Elastic fibre formation

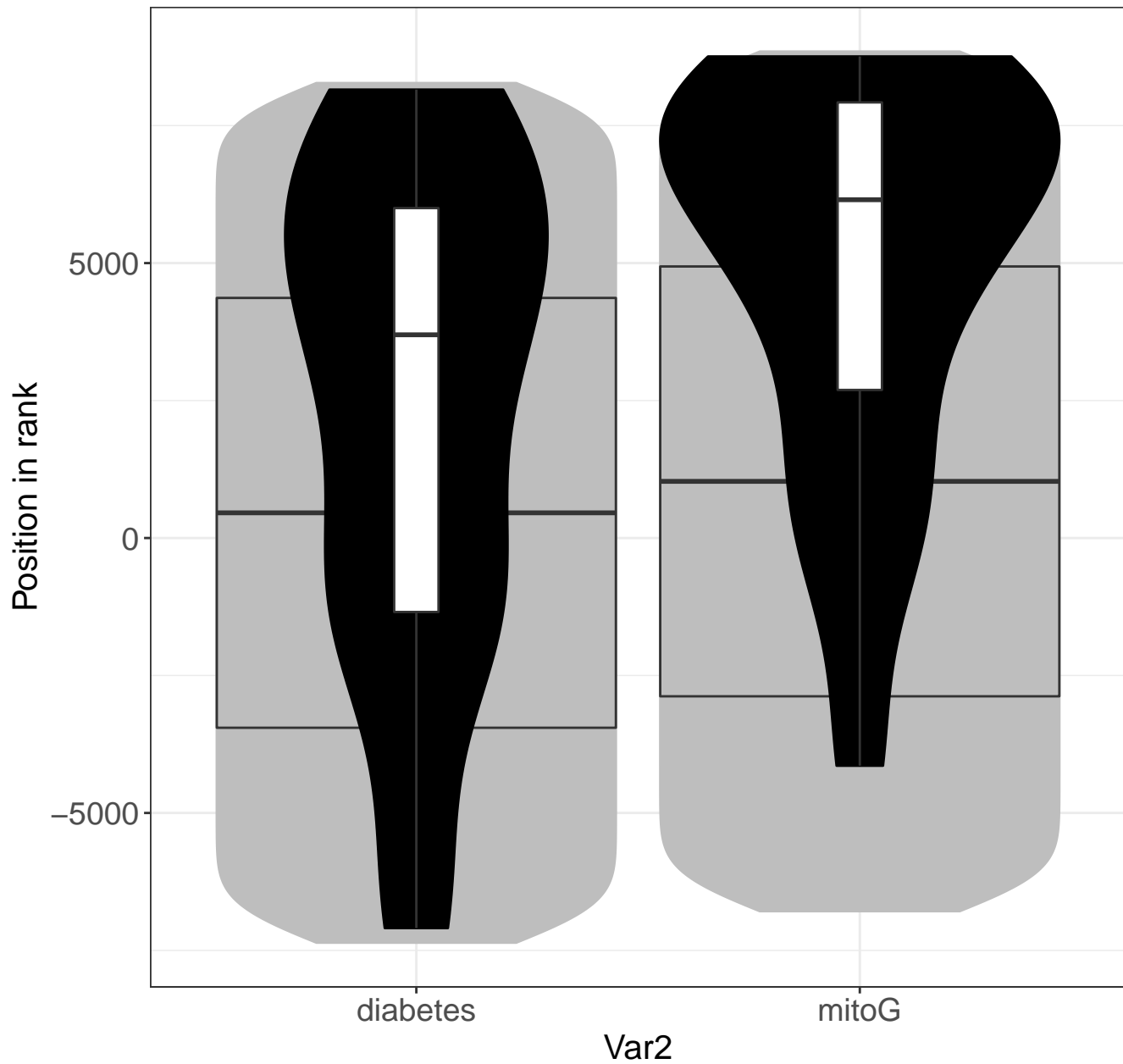


# Elastic fibre formation

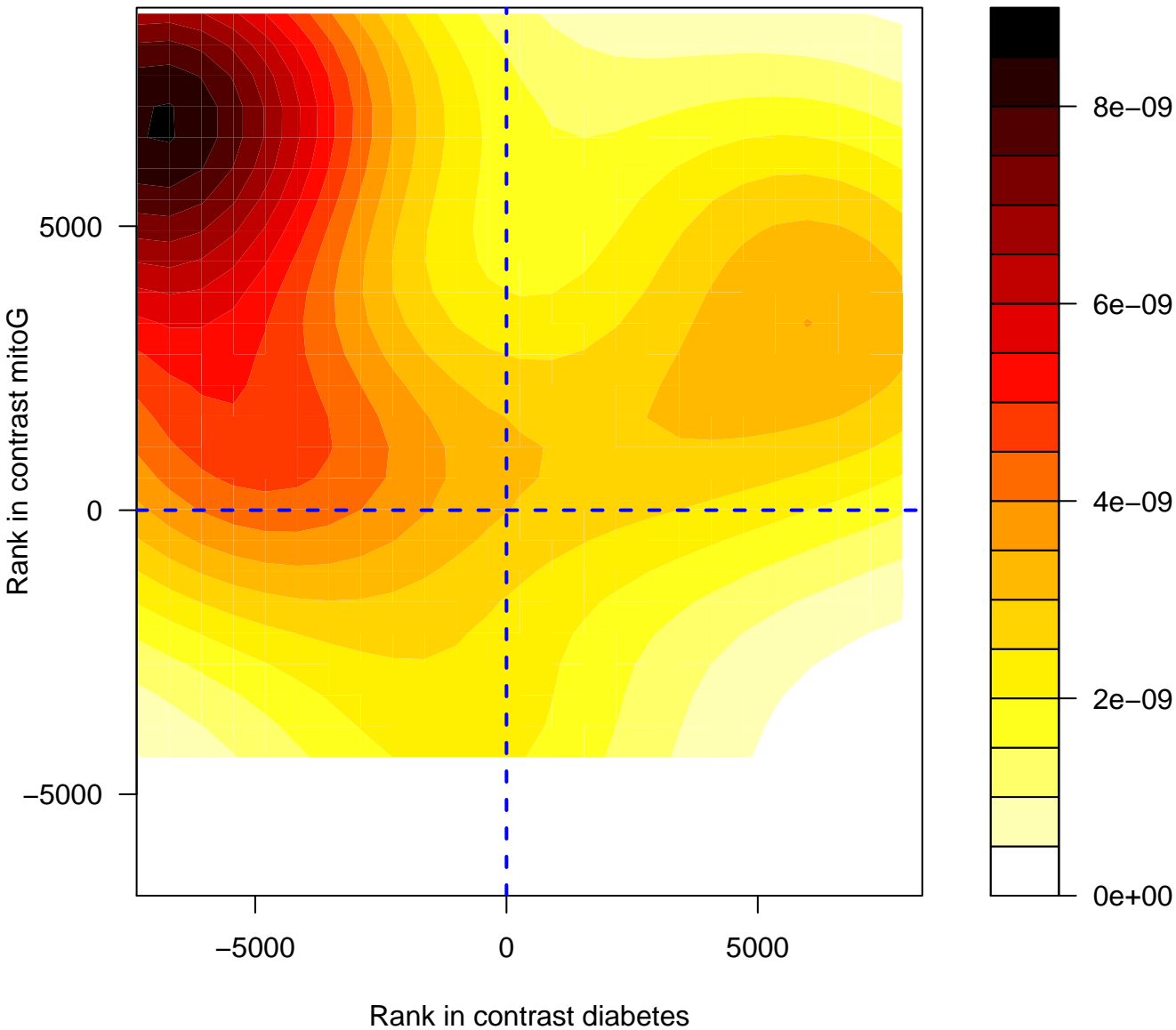




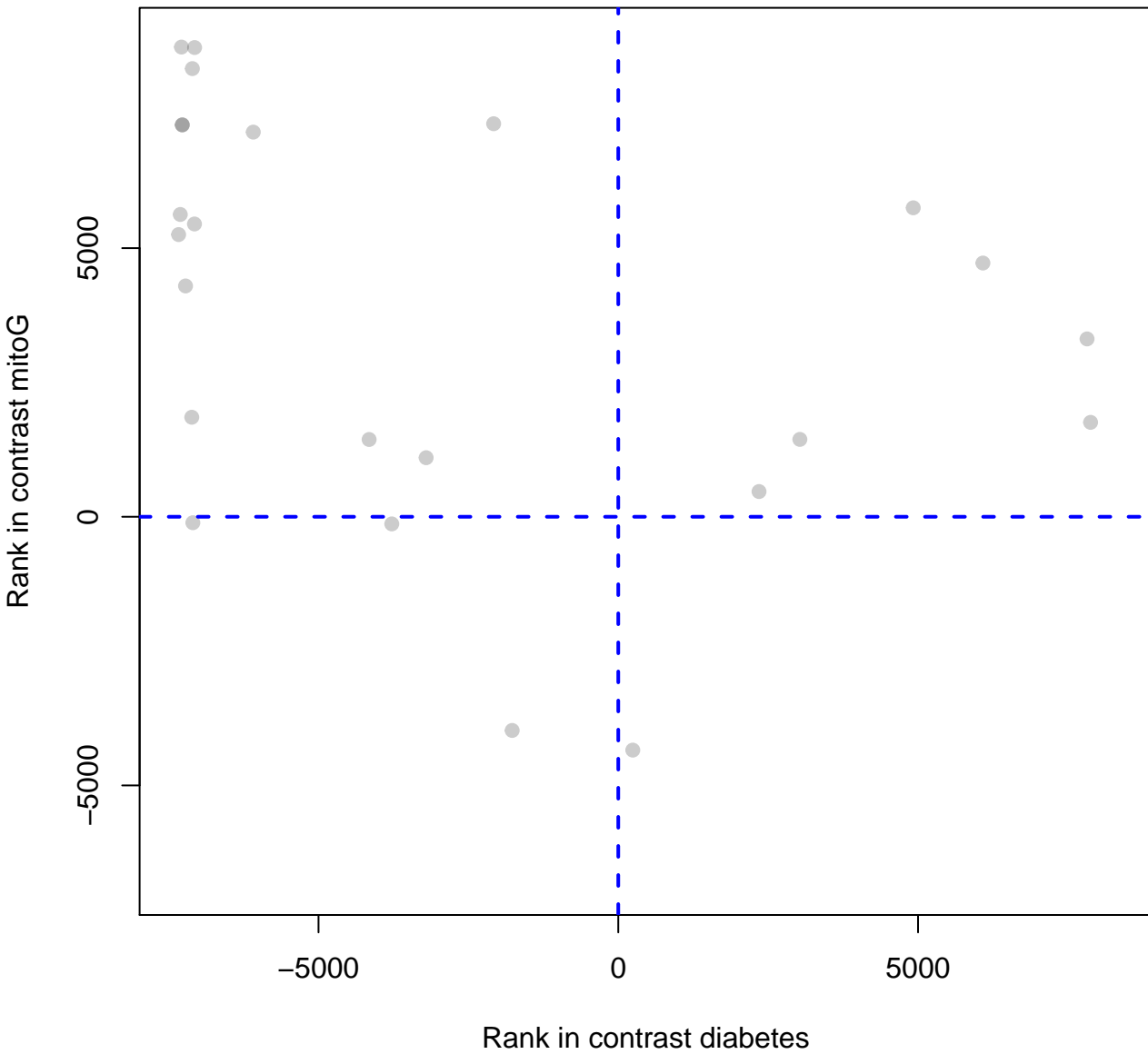
# Elastic fibre formation



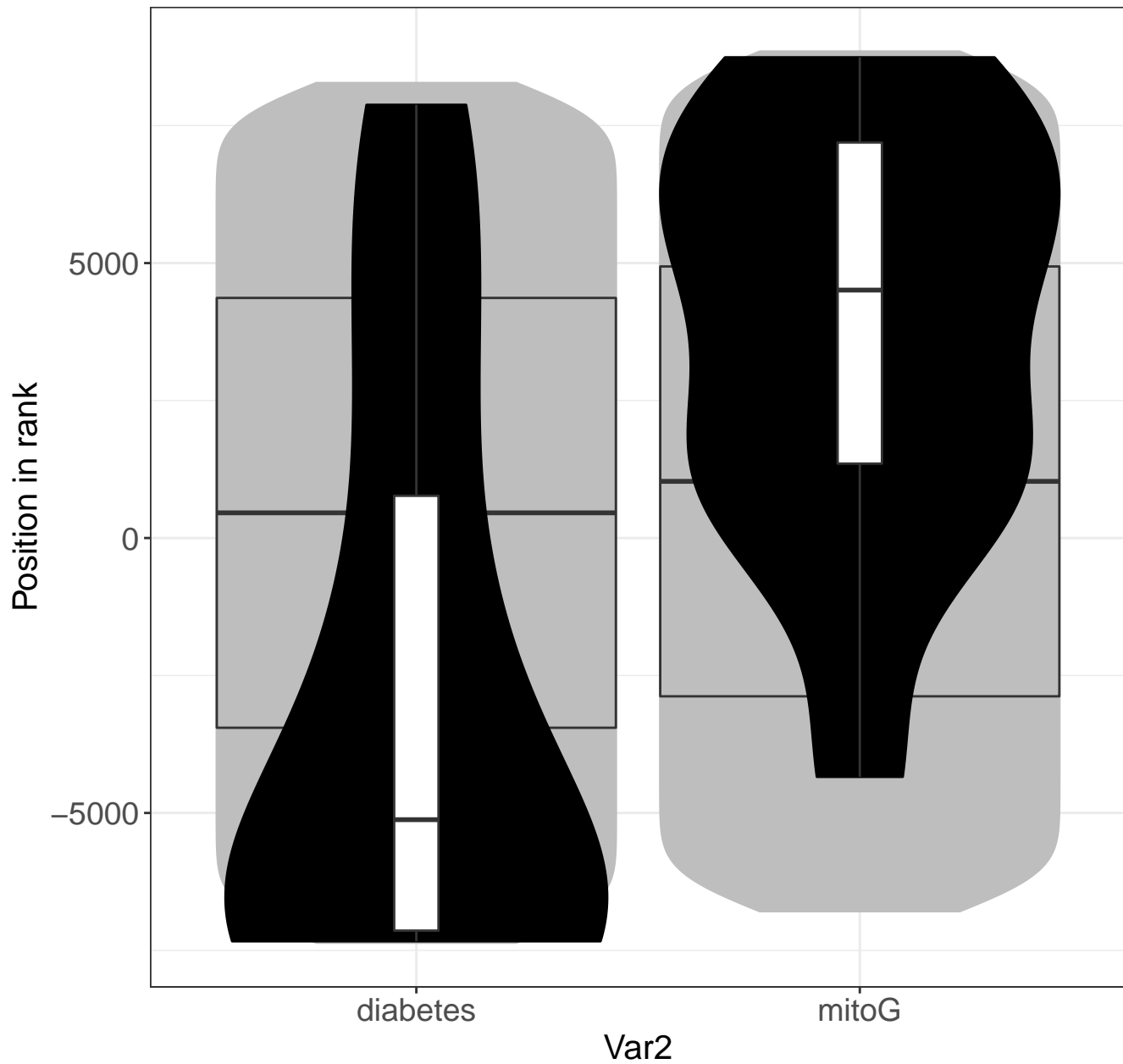
# HSF1 activation



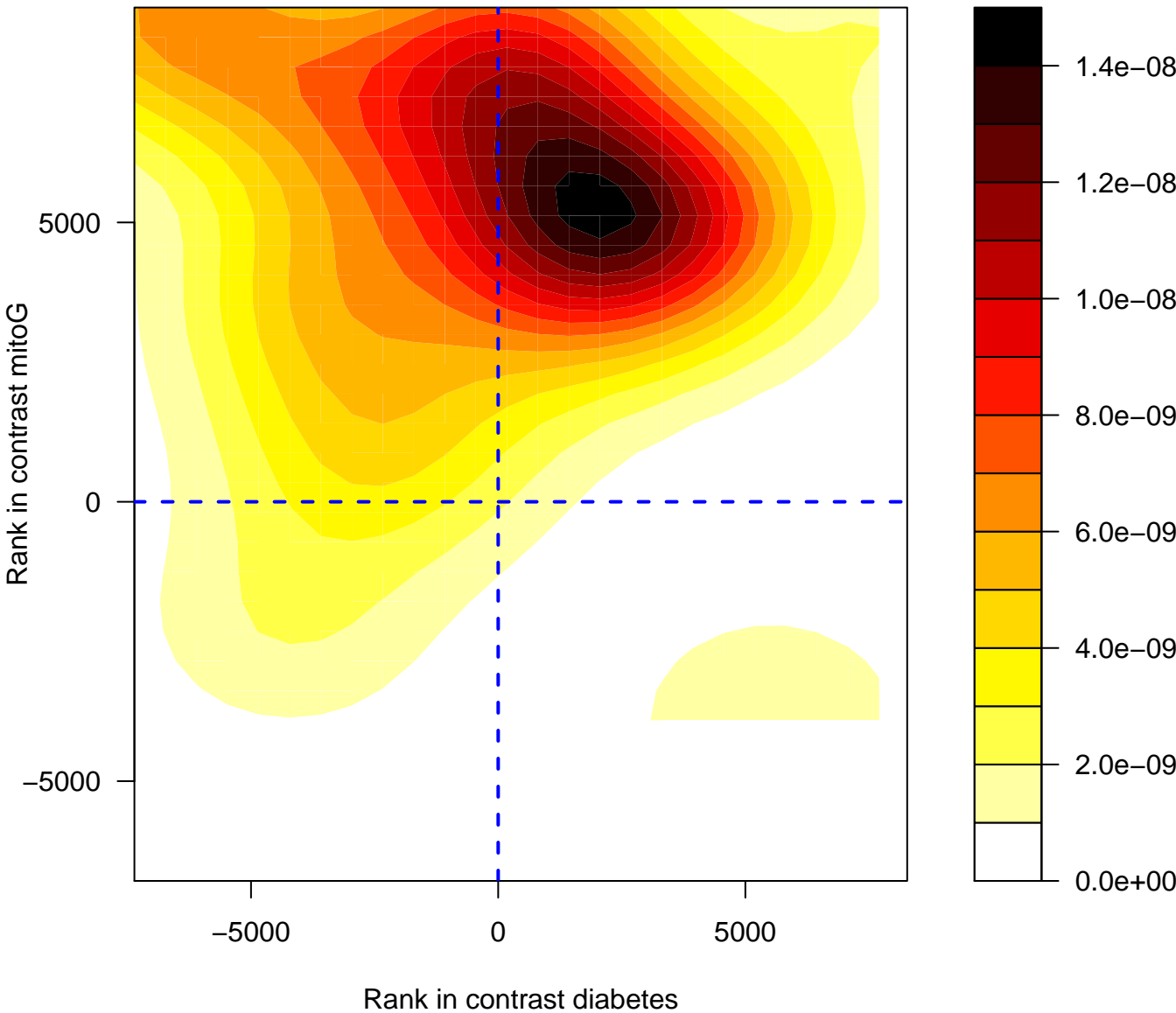
# HSF1 activation



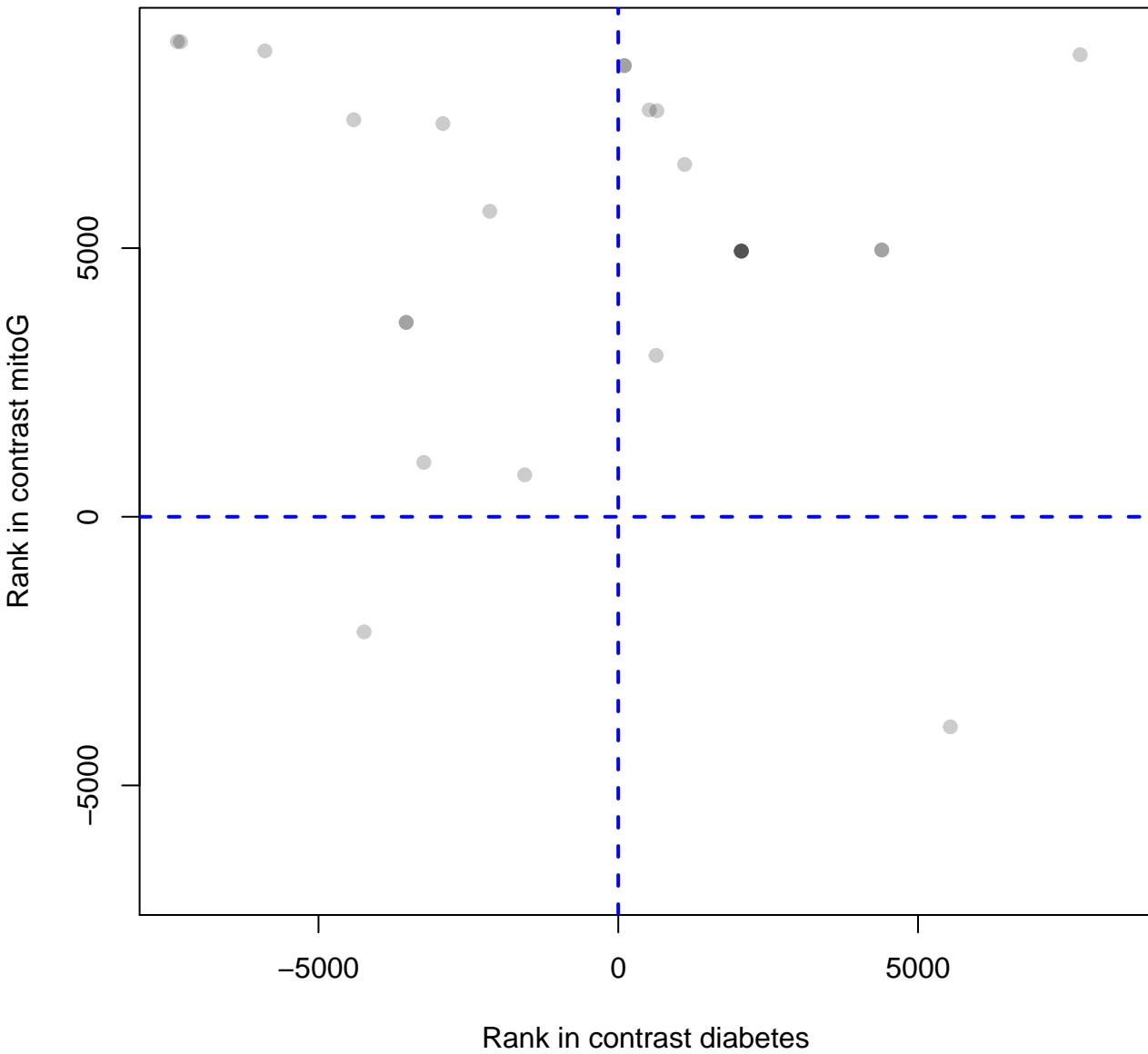
# HSF1 activation



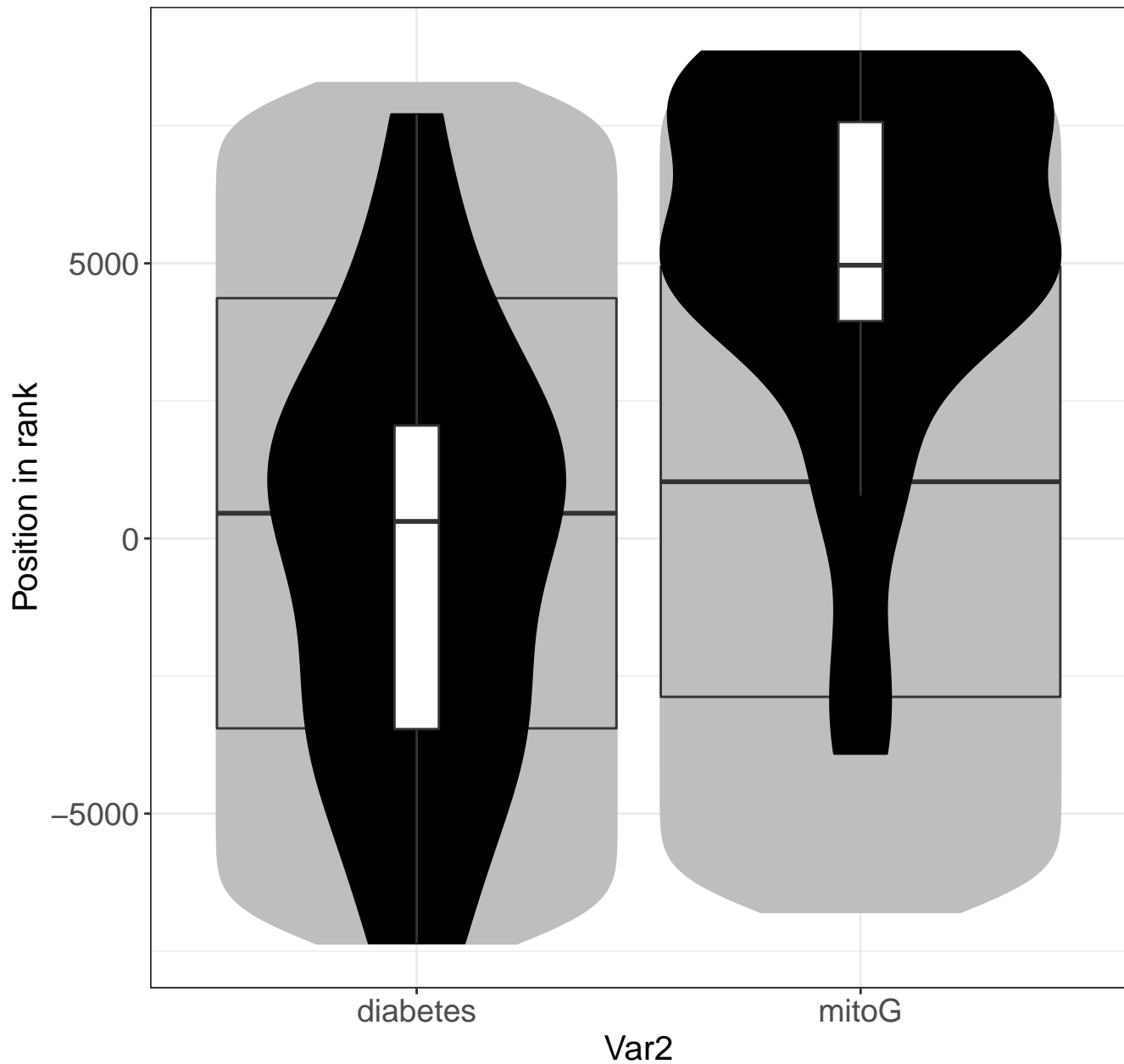
# Creation of C4 and C2 activators



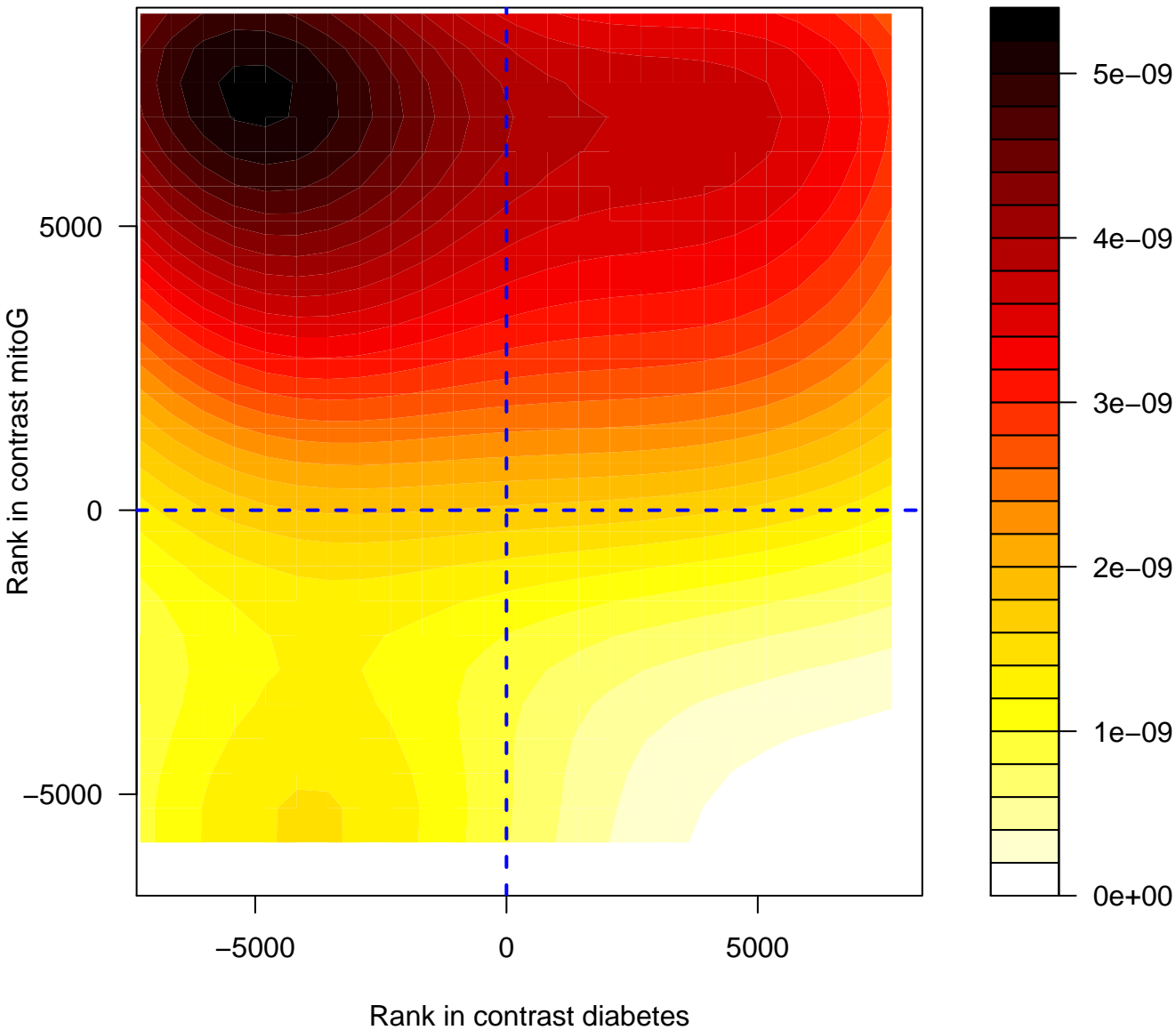
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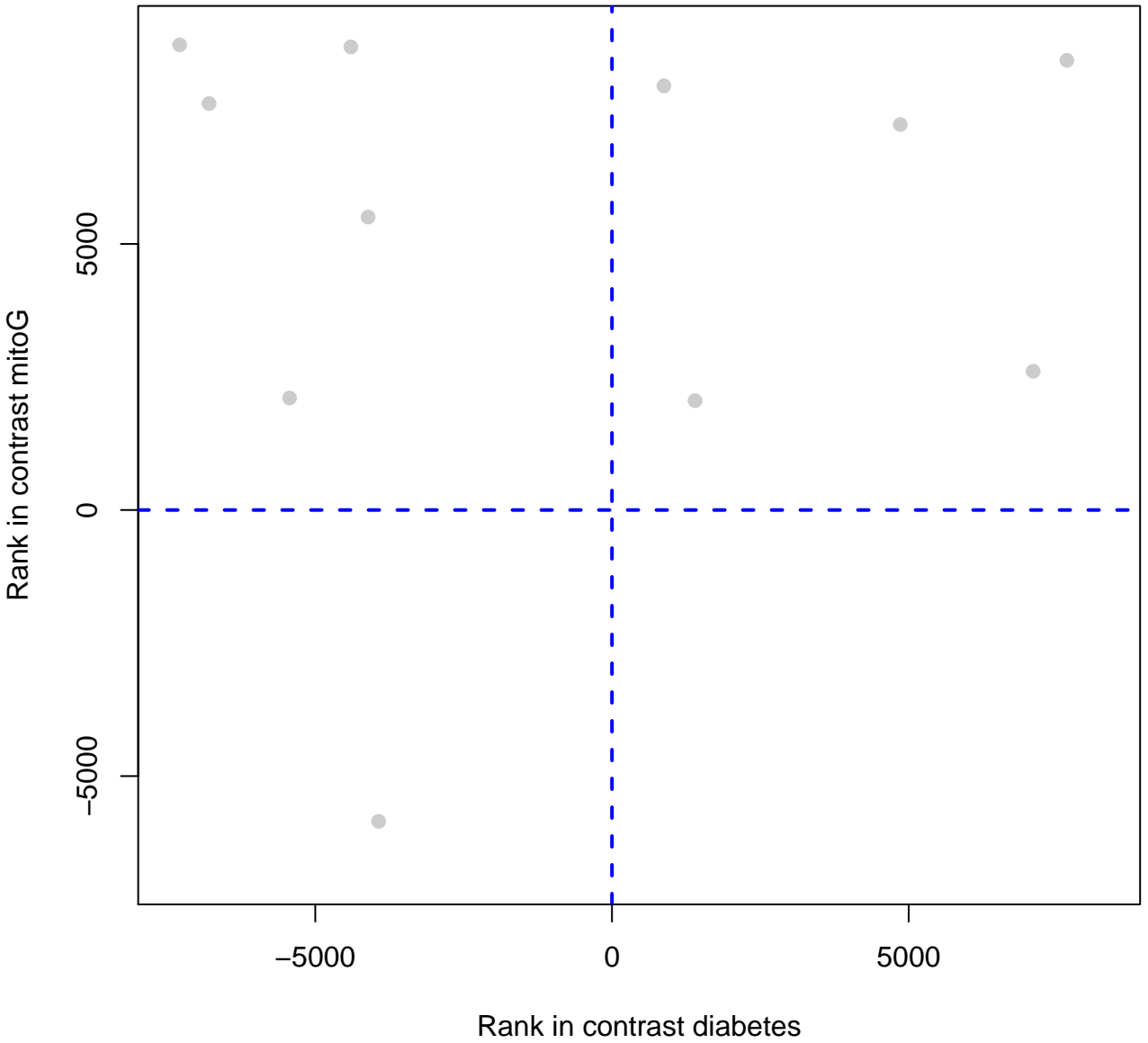


# eNOS activation

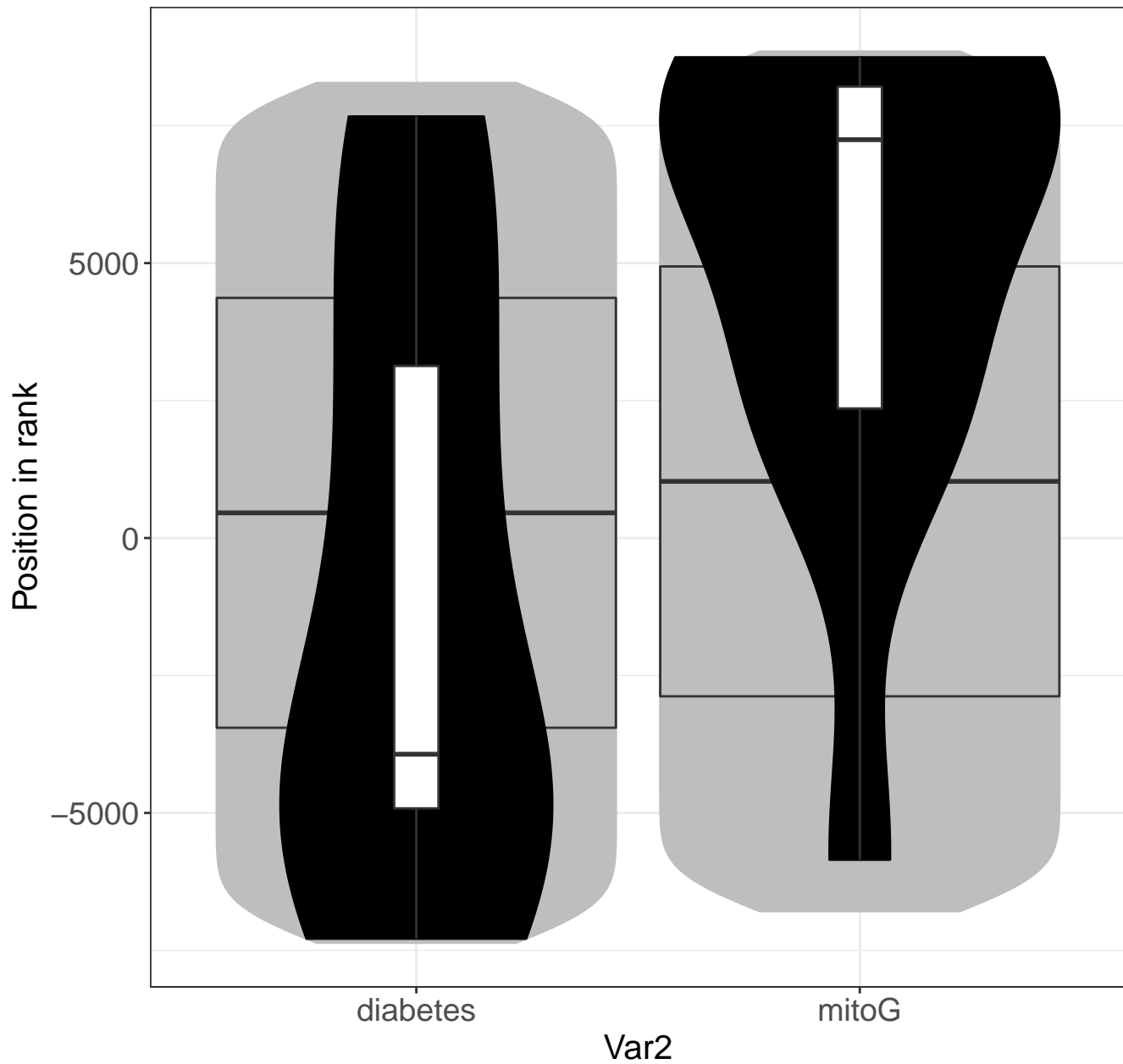




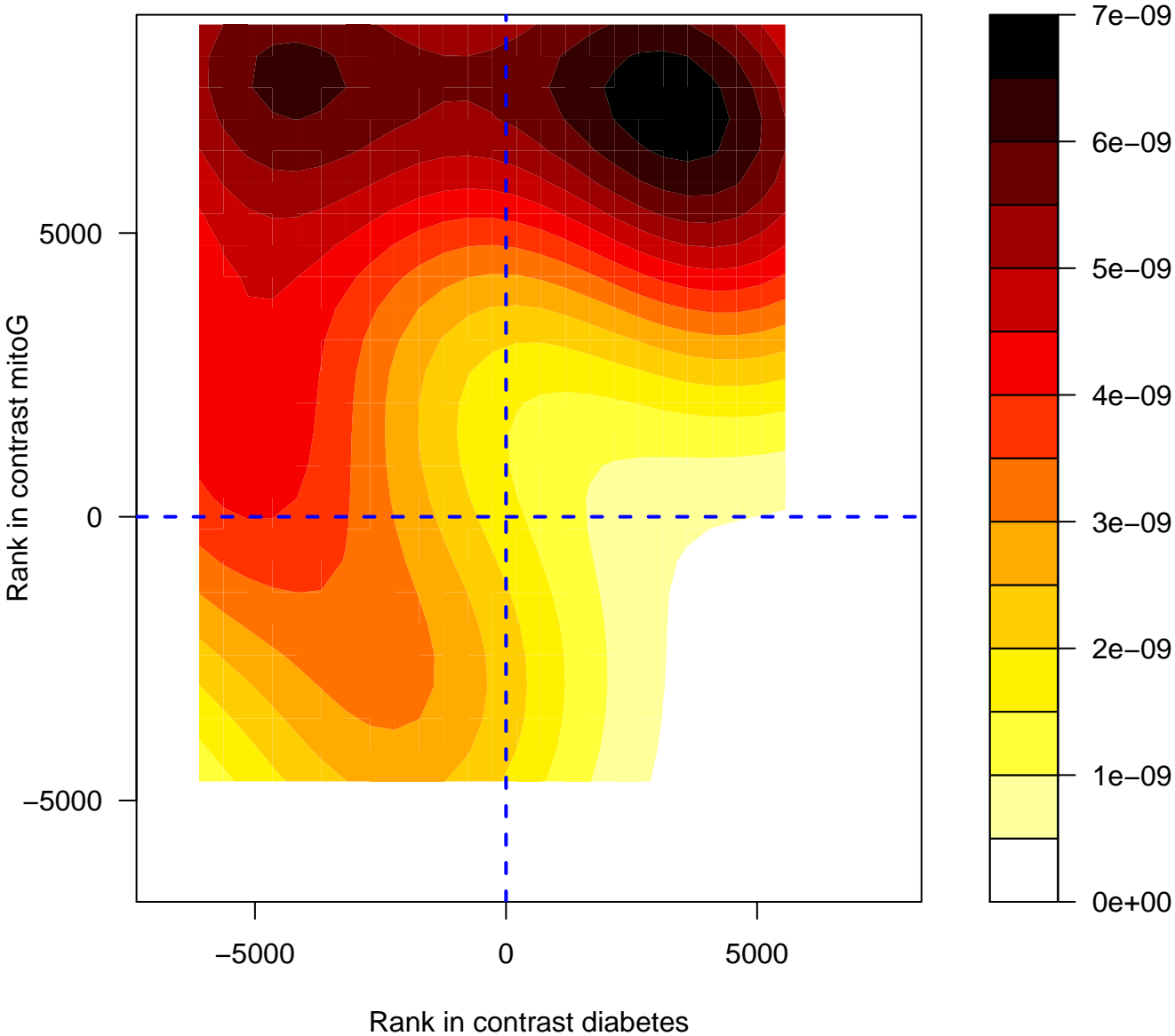
# eNOS activation



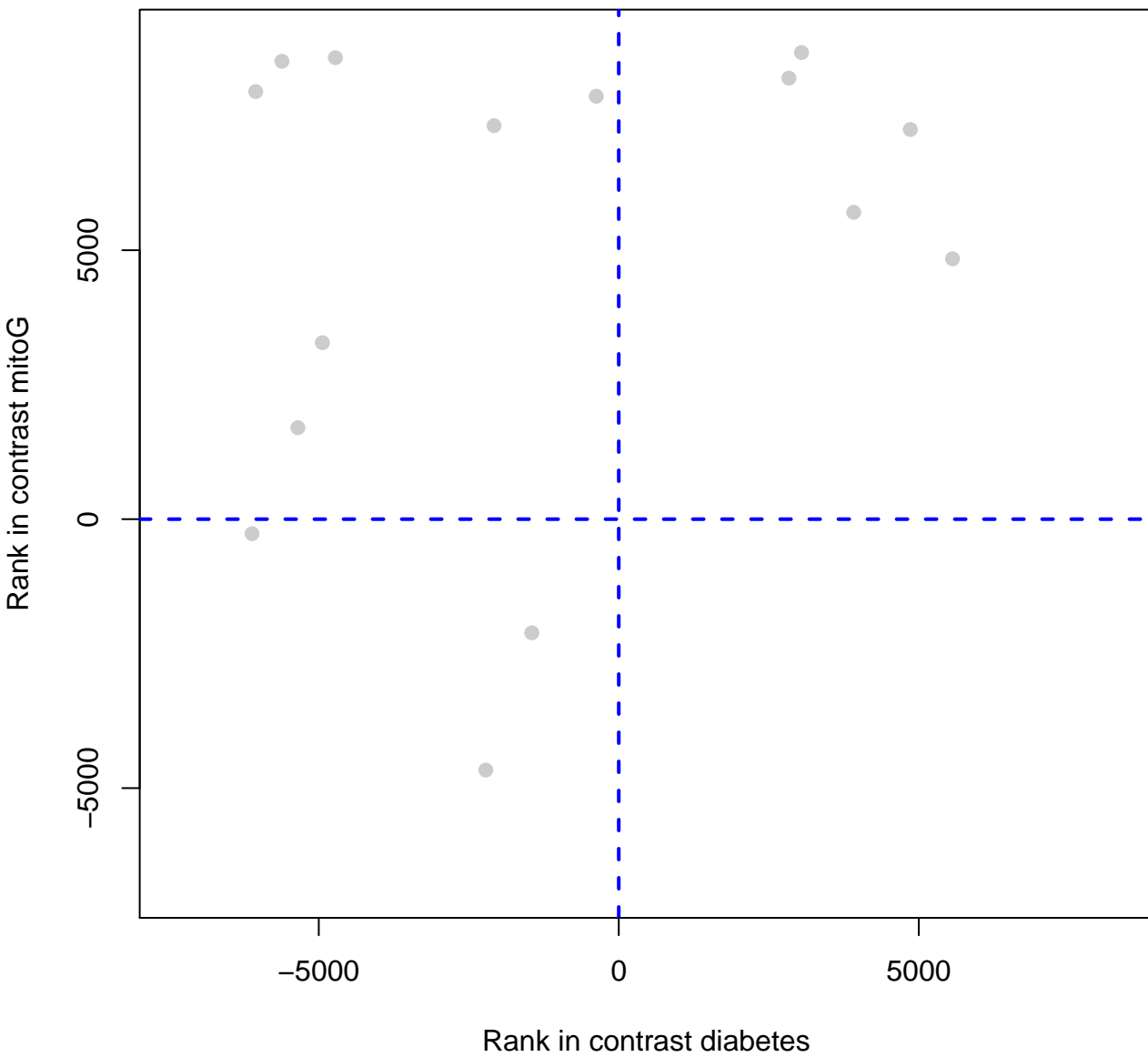
# eNOS activation



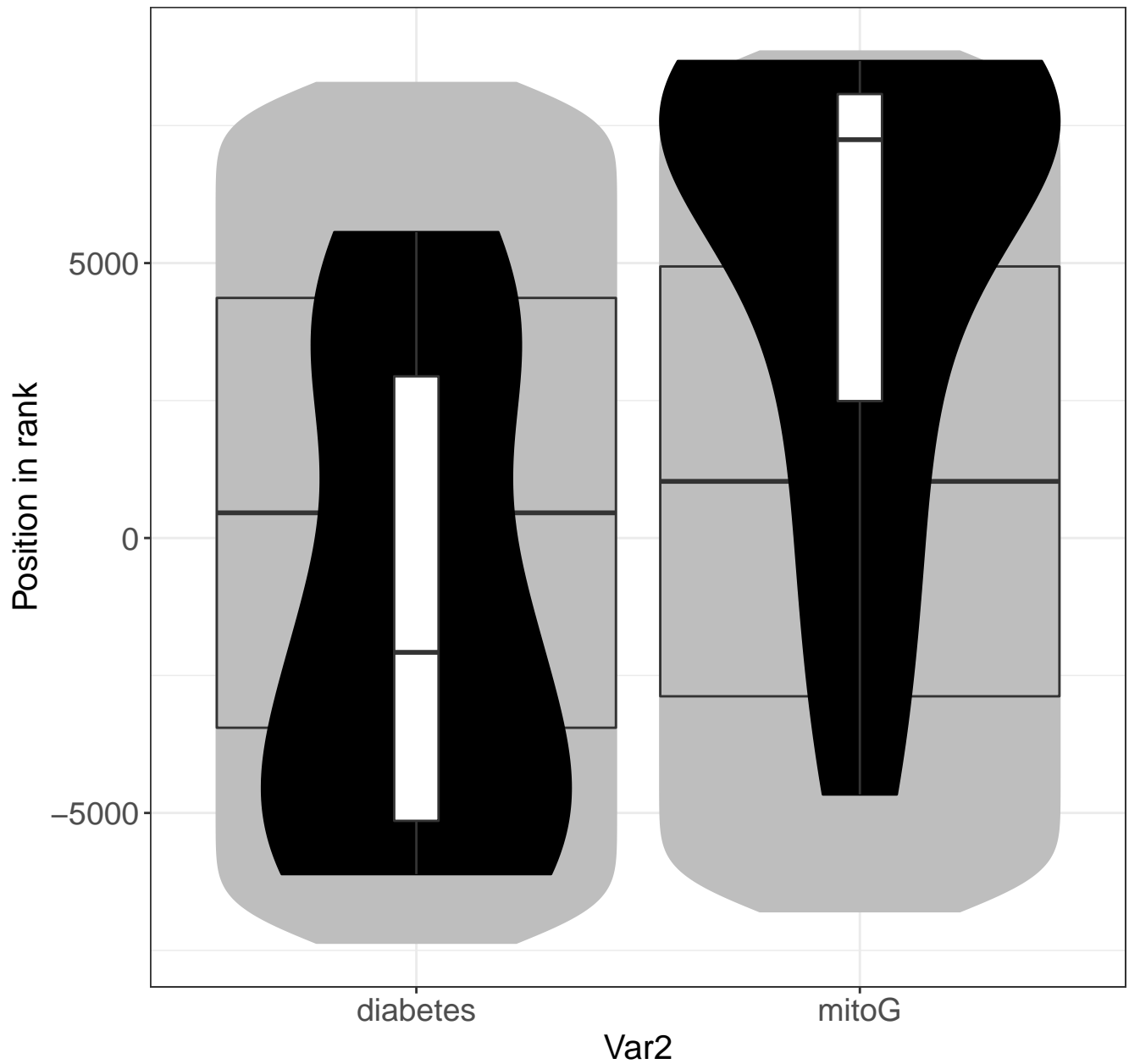
# Activation of BAD and translocation to mitochondria



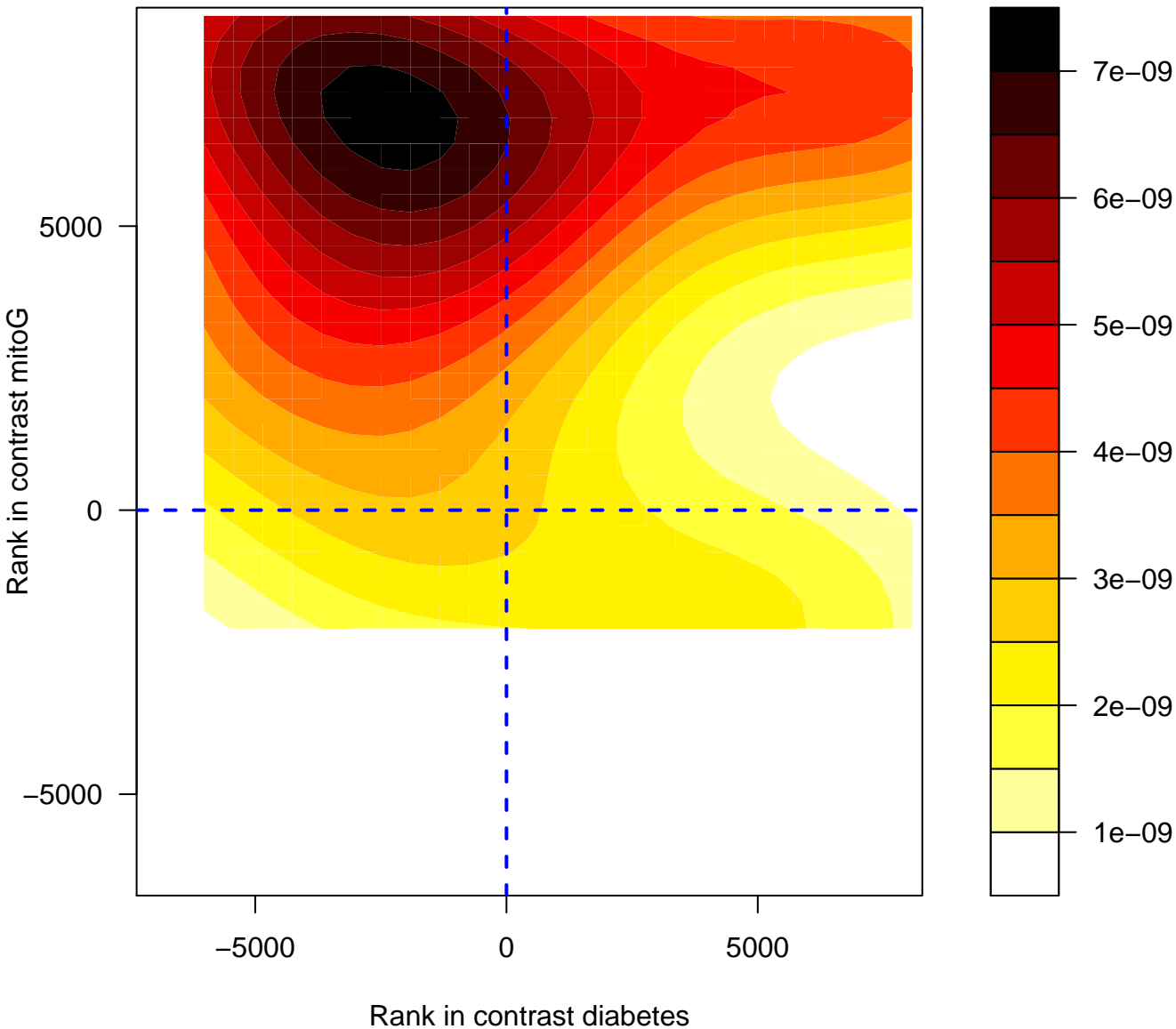
# Activation of BAD and translocation to mitochondria



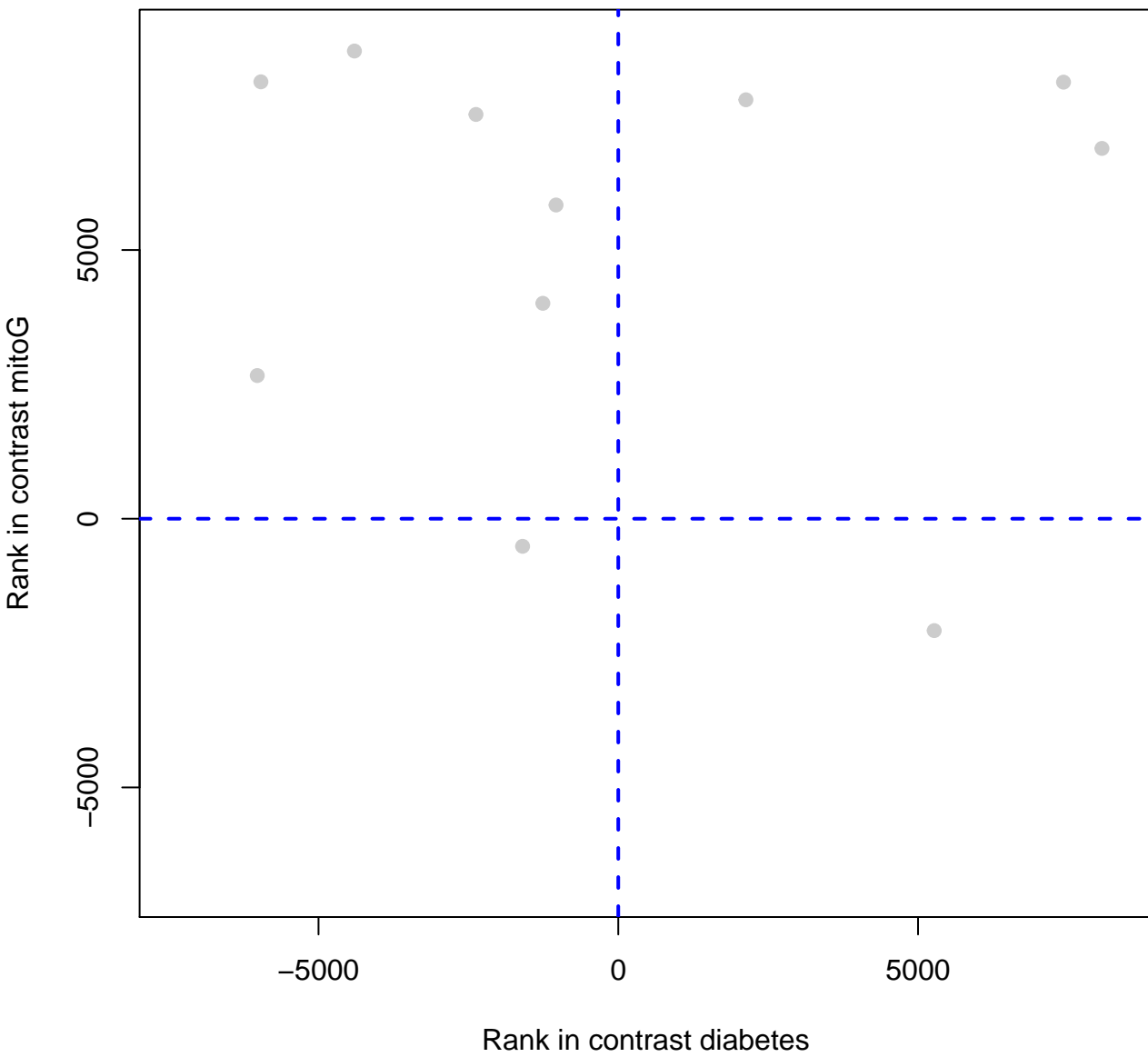
# Activation of BAD and translocation to mitochondria



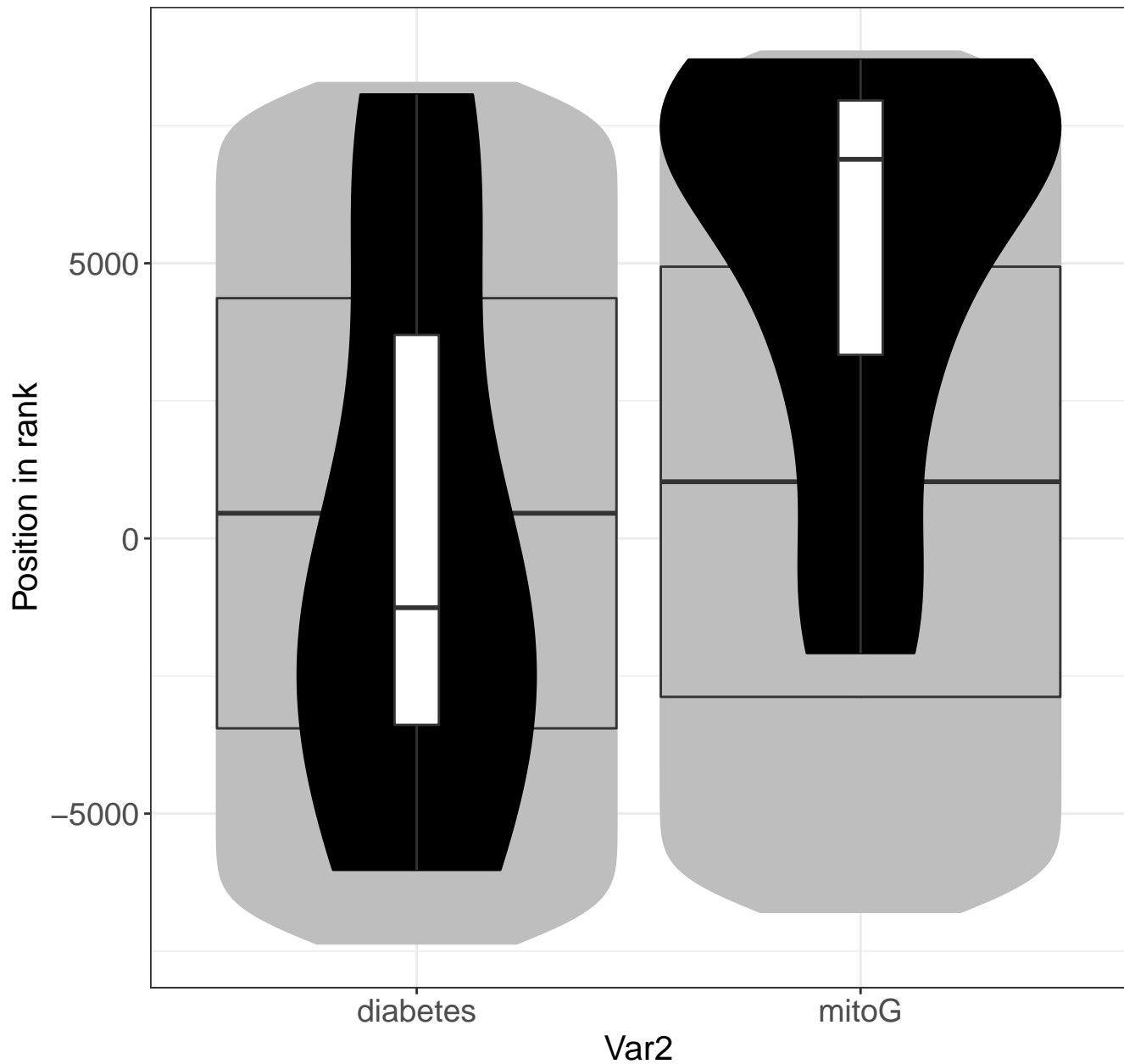
## RHO GTPases activate IQGAPs



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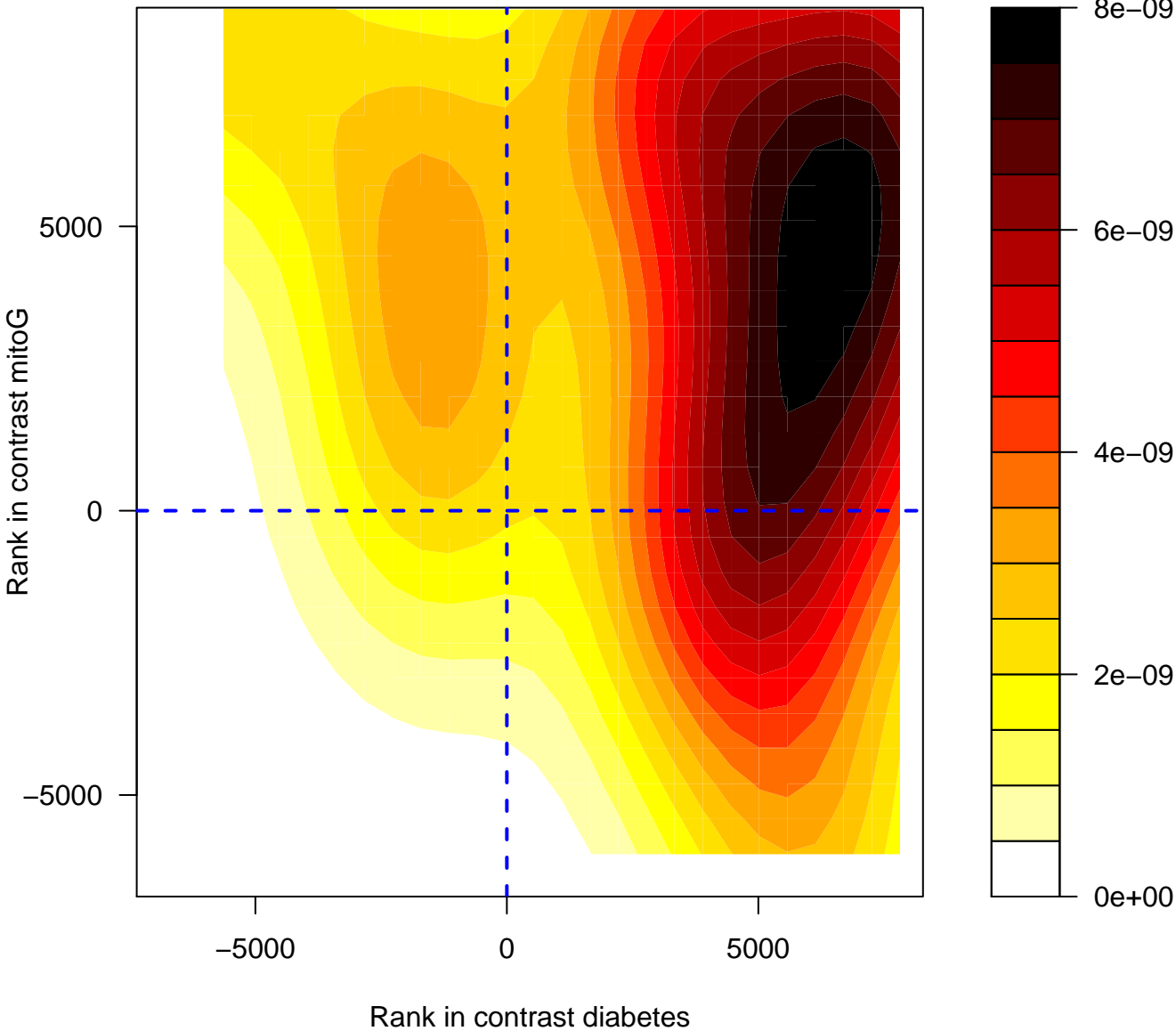


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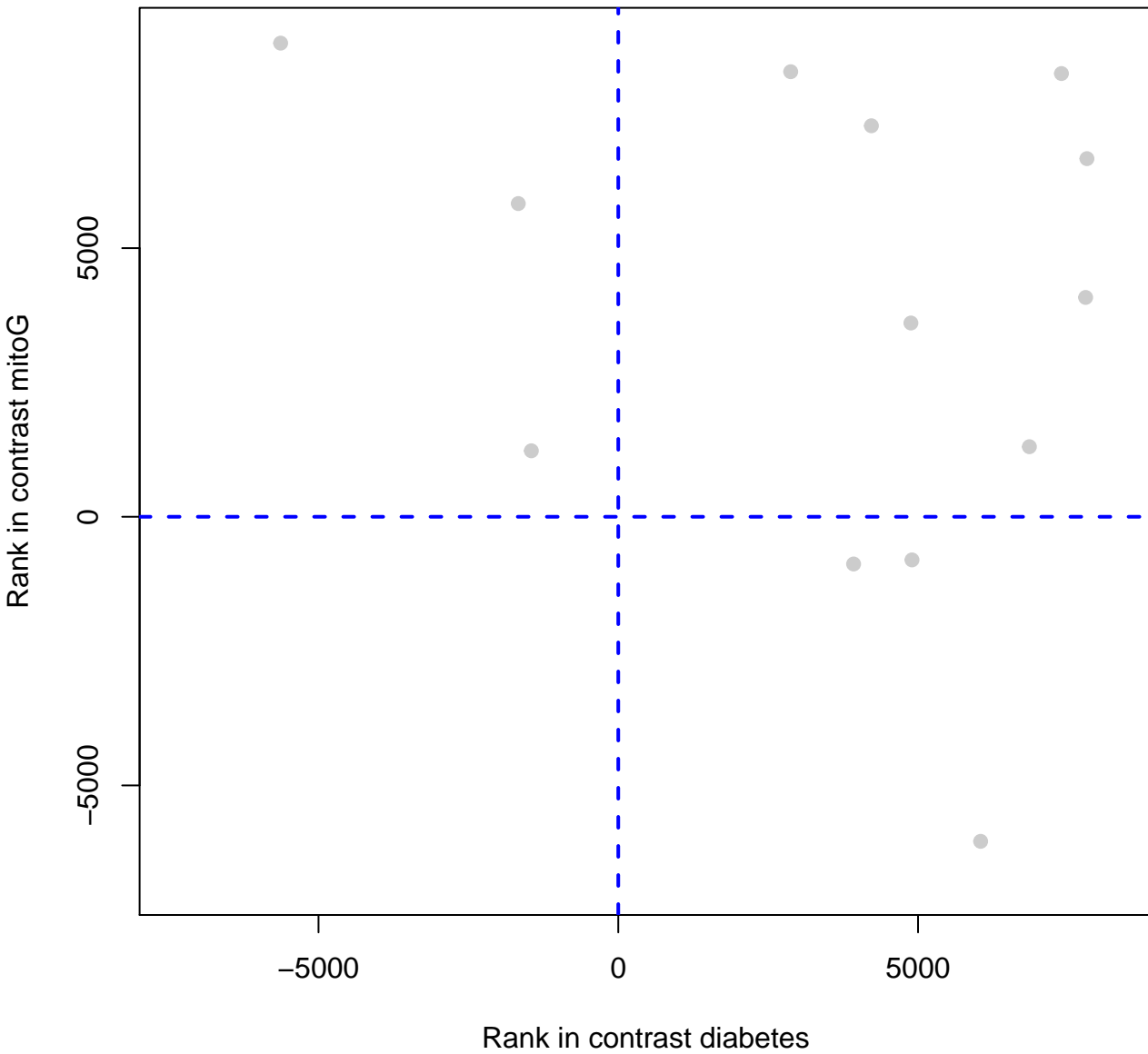




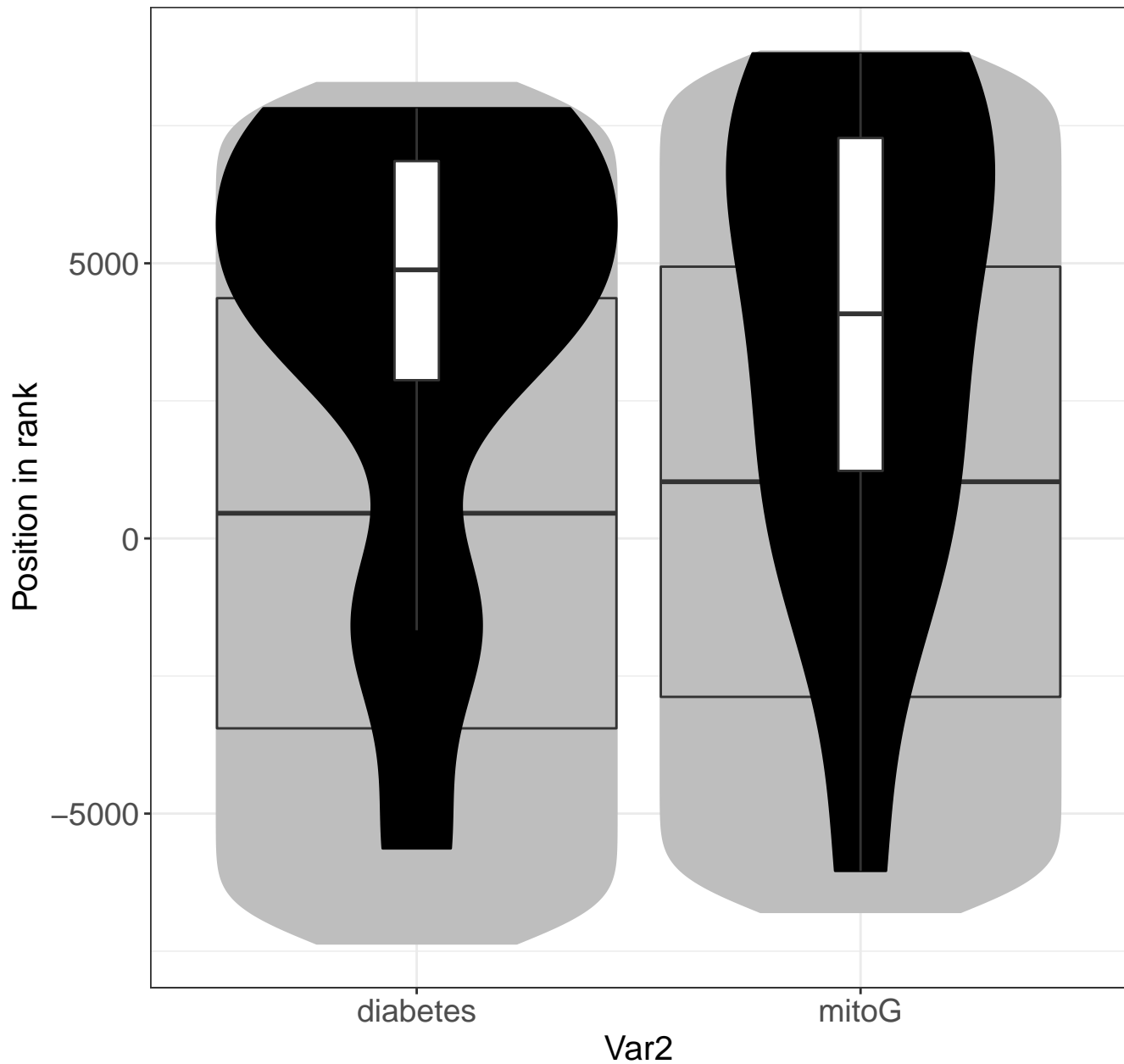
# Apoptosis induced DNA fragmentation



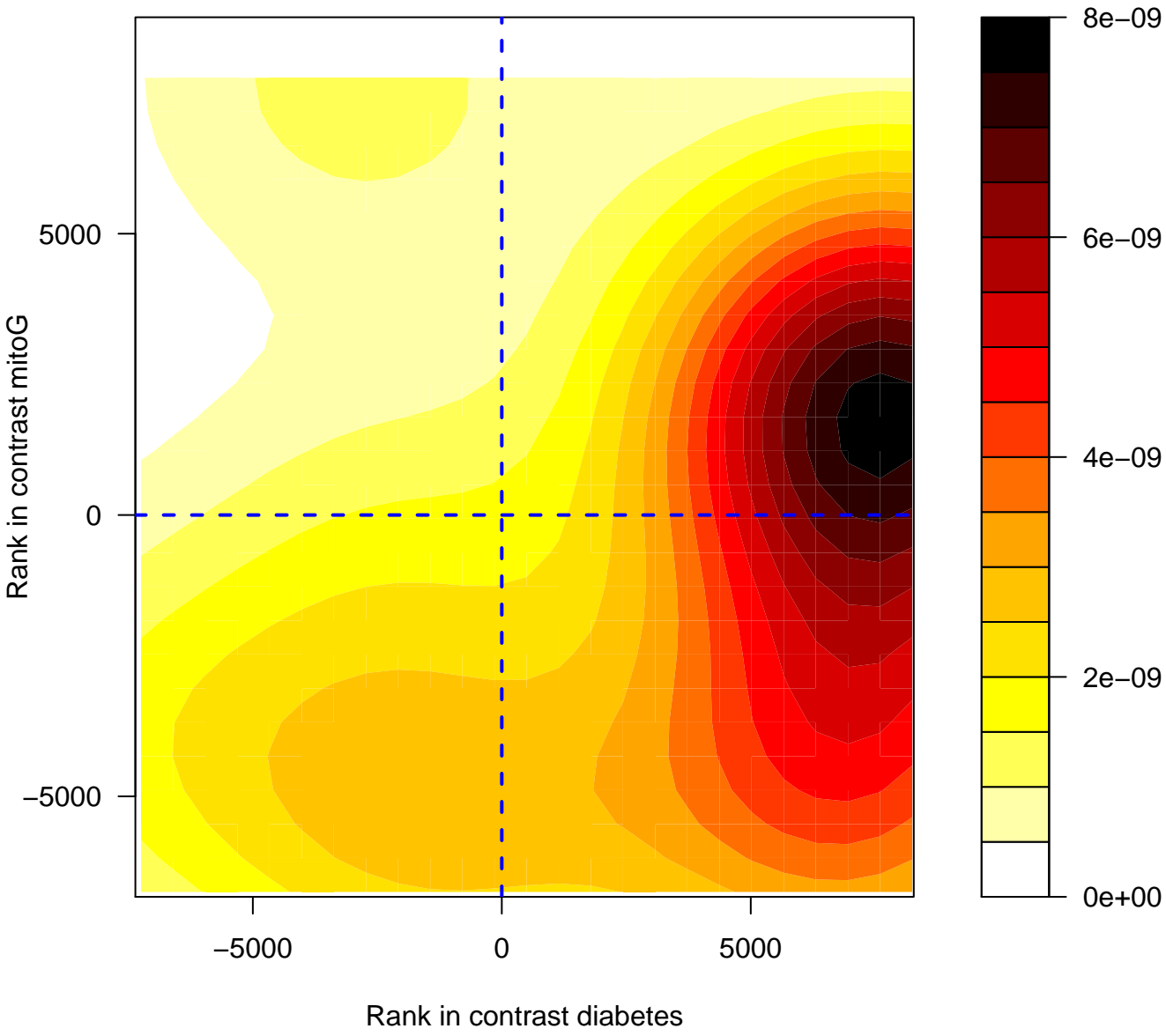
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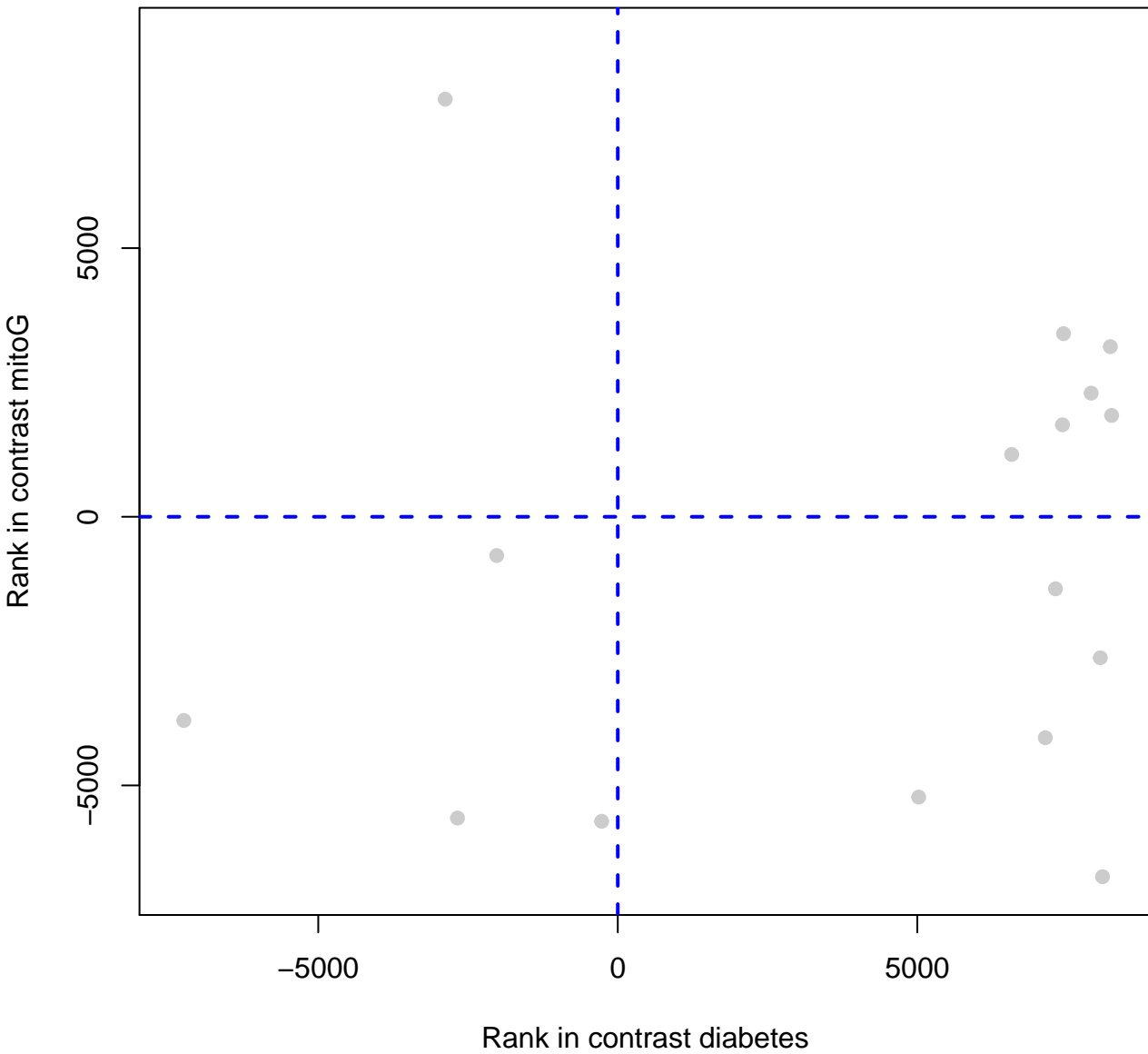
# Apoptosis induced DNA fragmentation



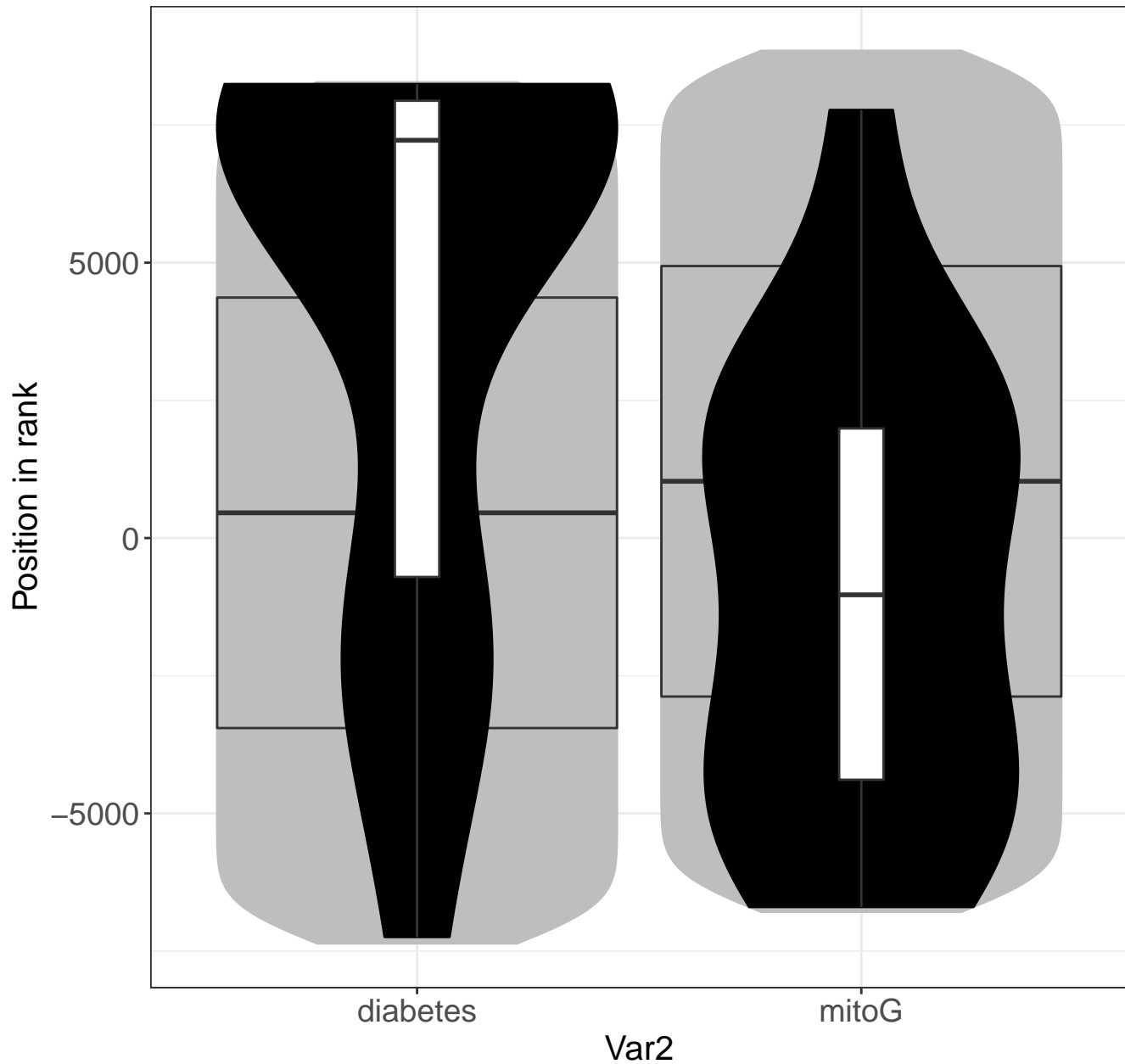
# Cellular hexose transport



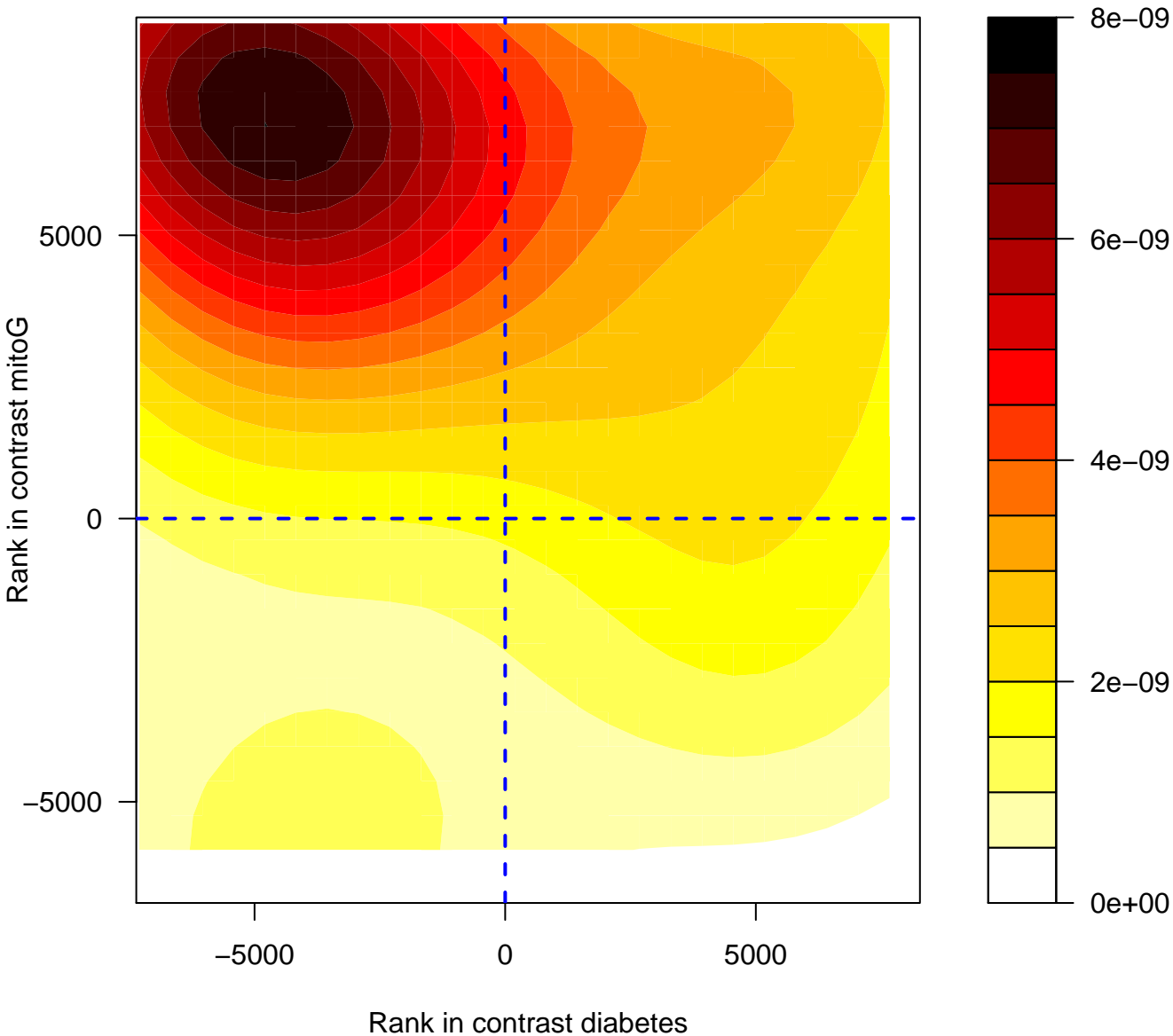
# Cellular hexose transport



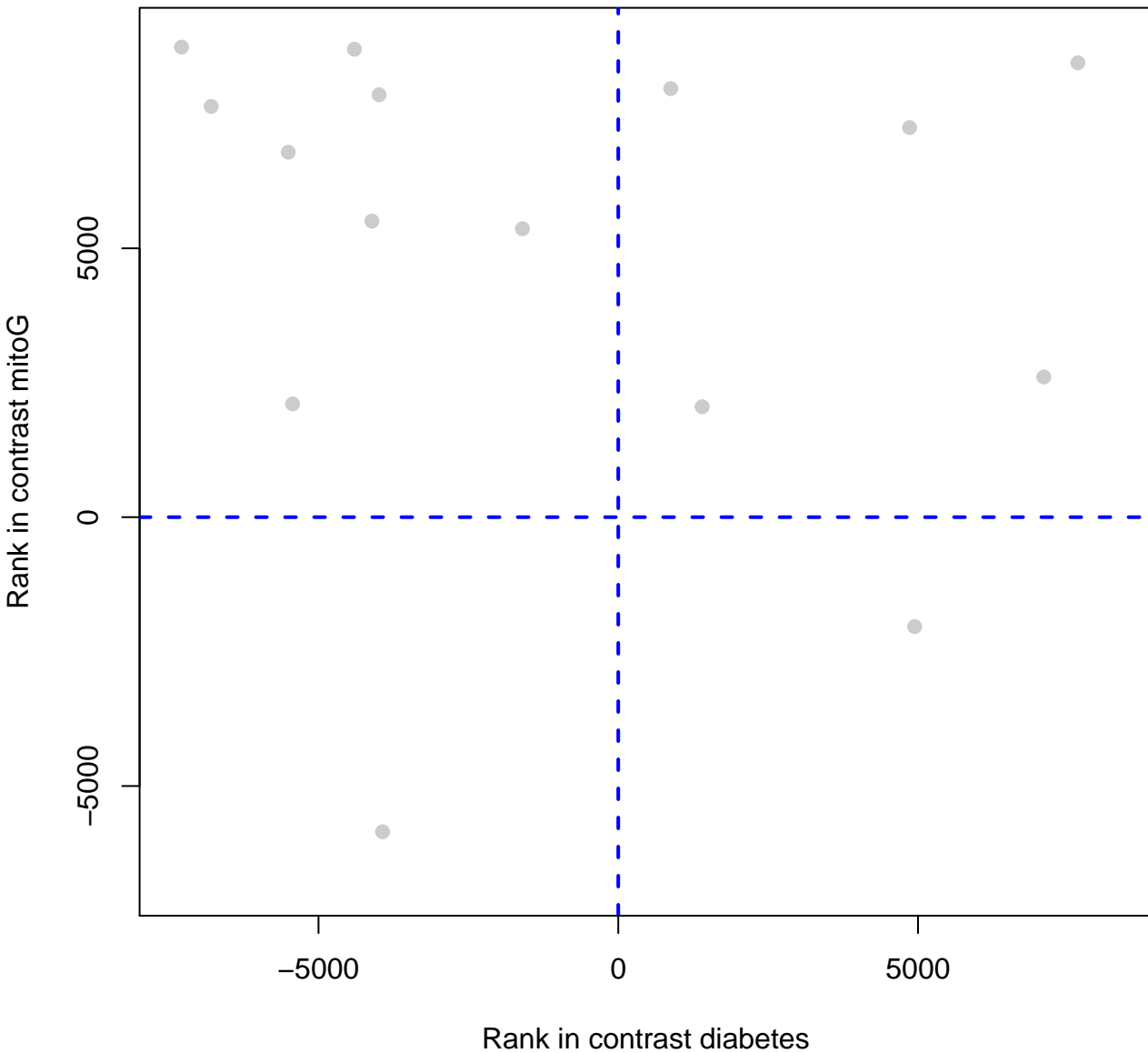
# Cellular hexose transport



# Metabolism of nitric oxide: NOS3 activation and regulati

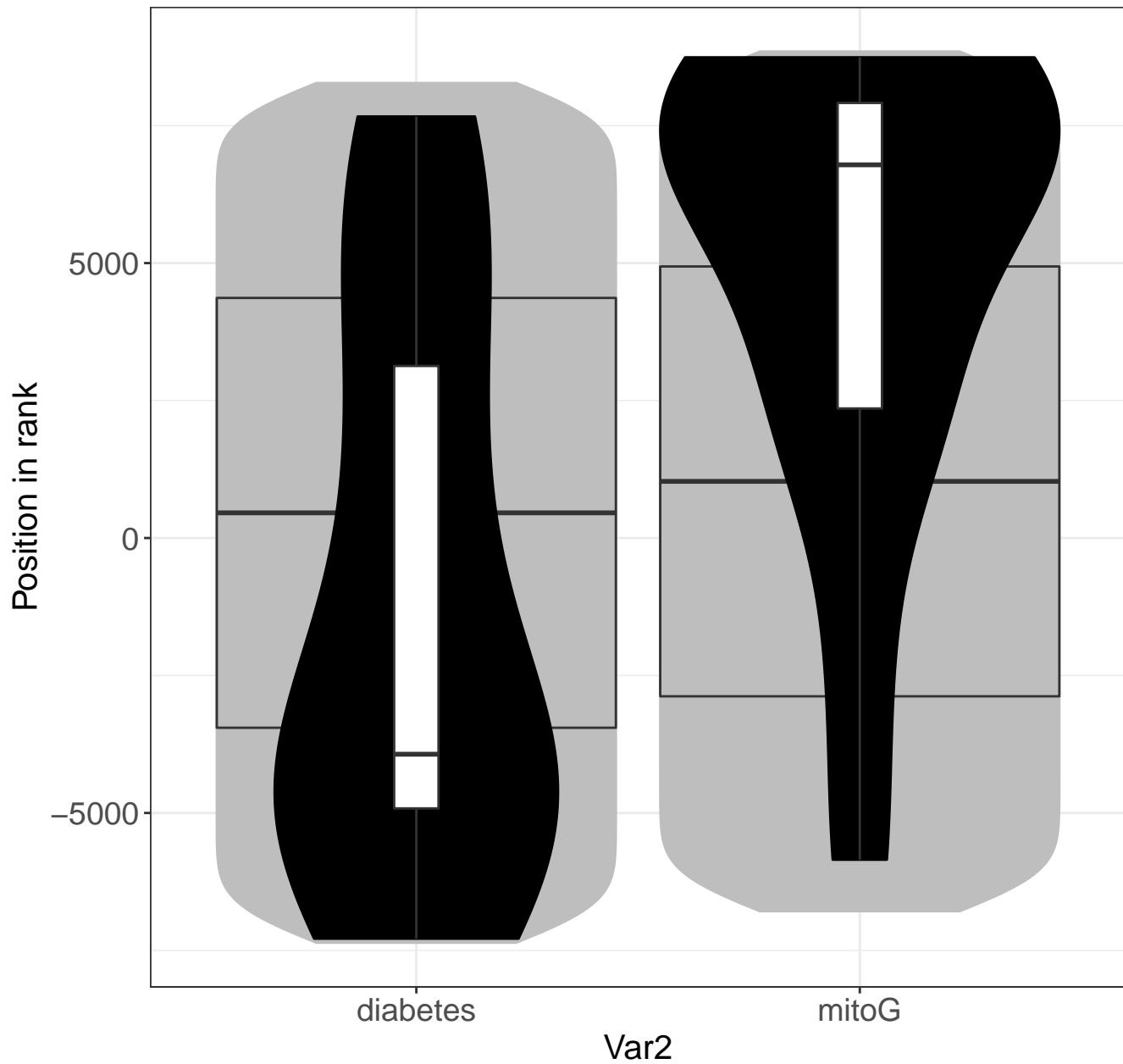


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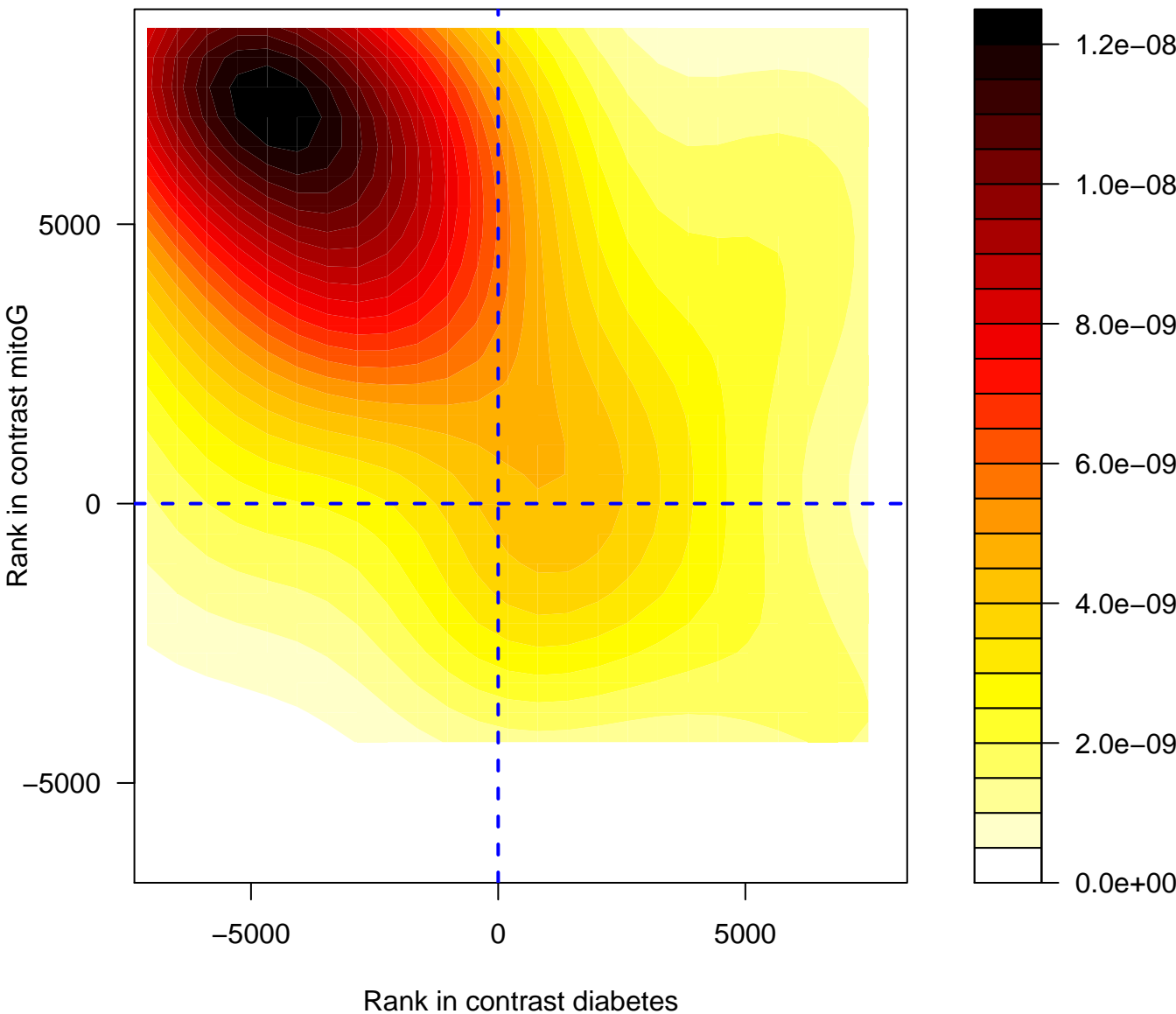




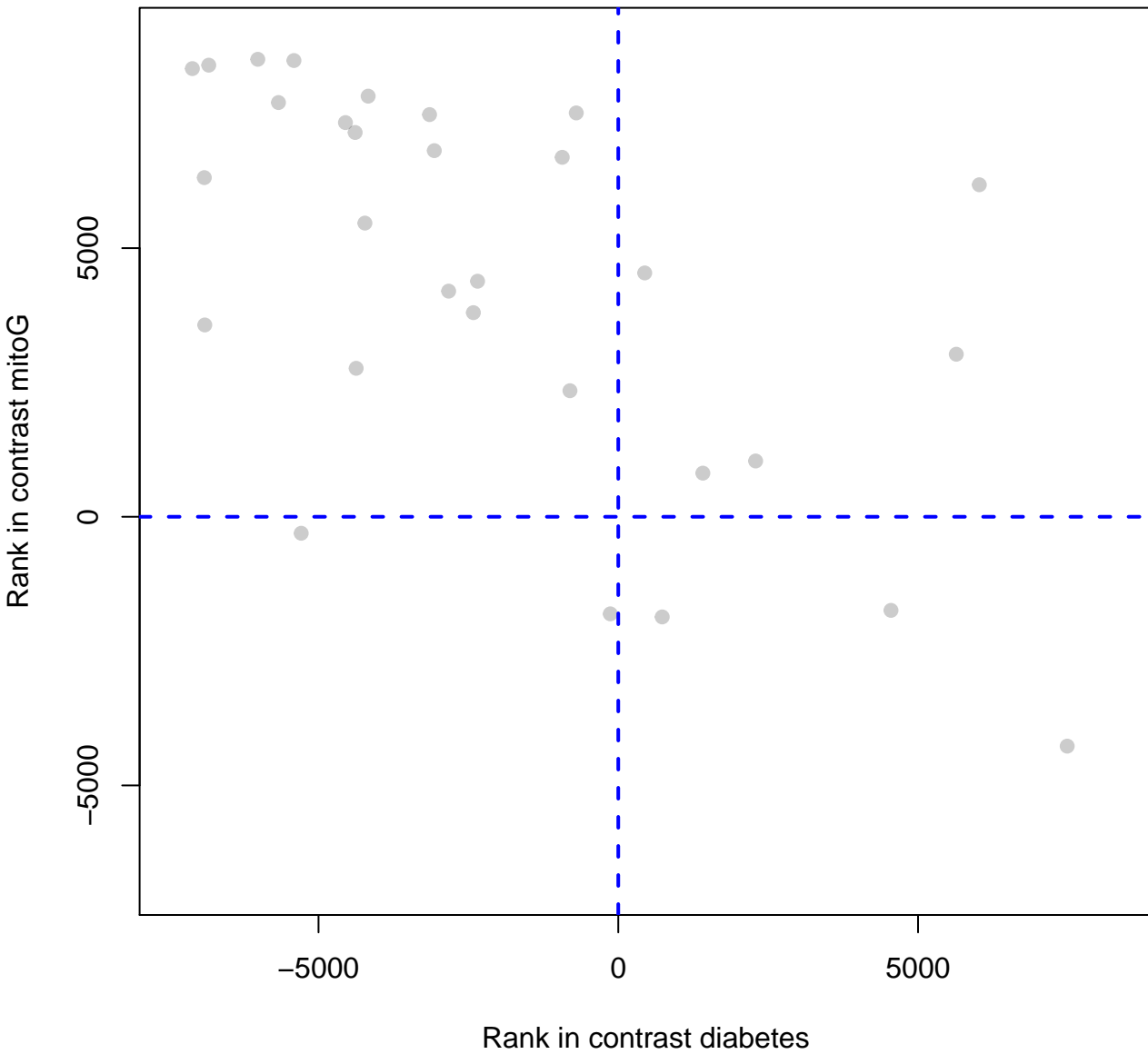
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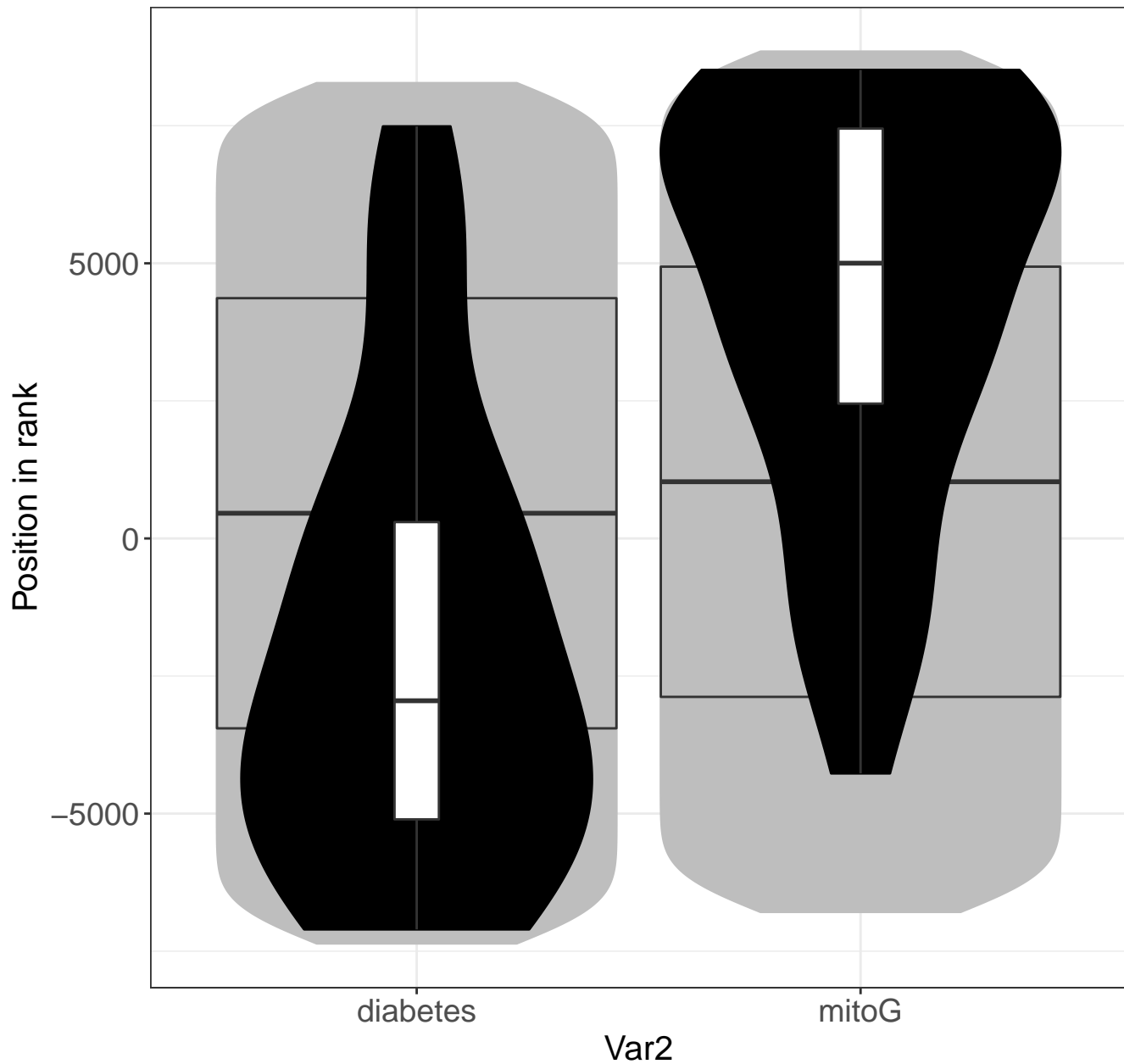
# Synthesis of active ubiquitin: roles of E1 and E2 enzyme



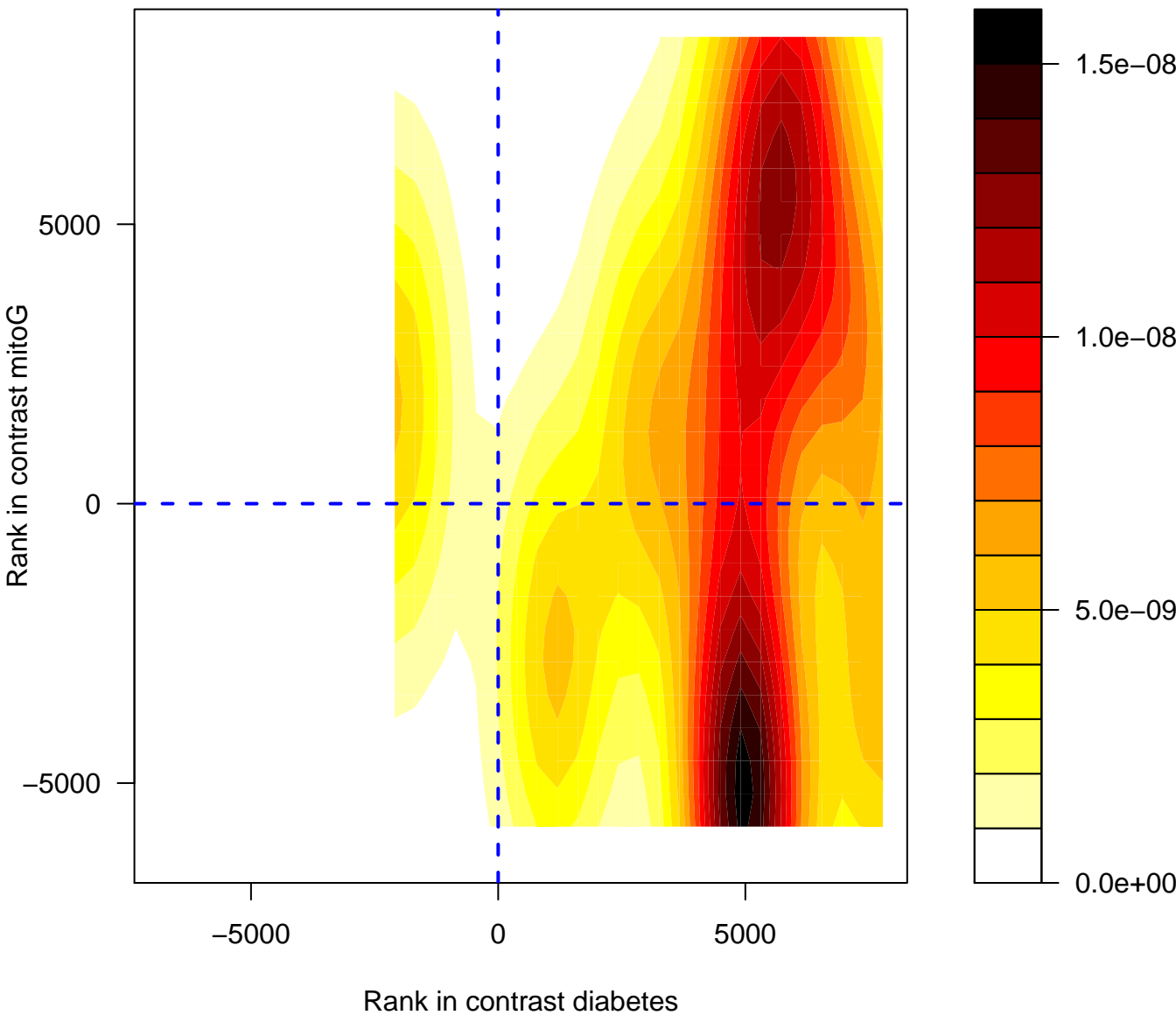
# Synthesis of active ubiquitin: roles of E1 and E2 enzymes



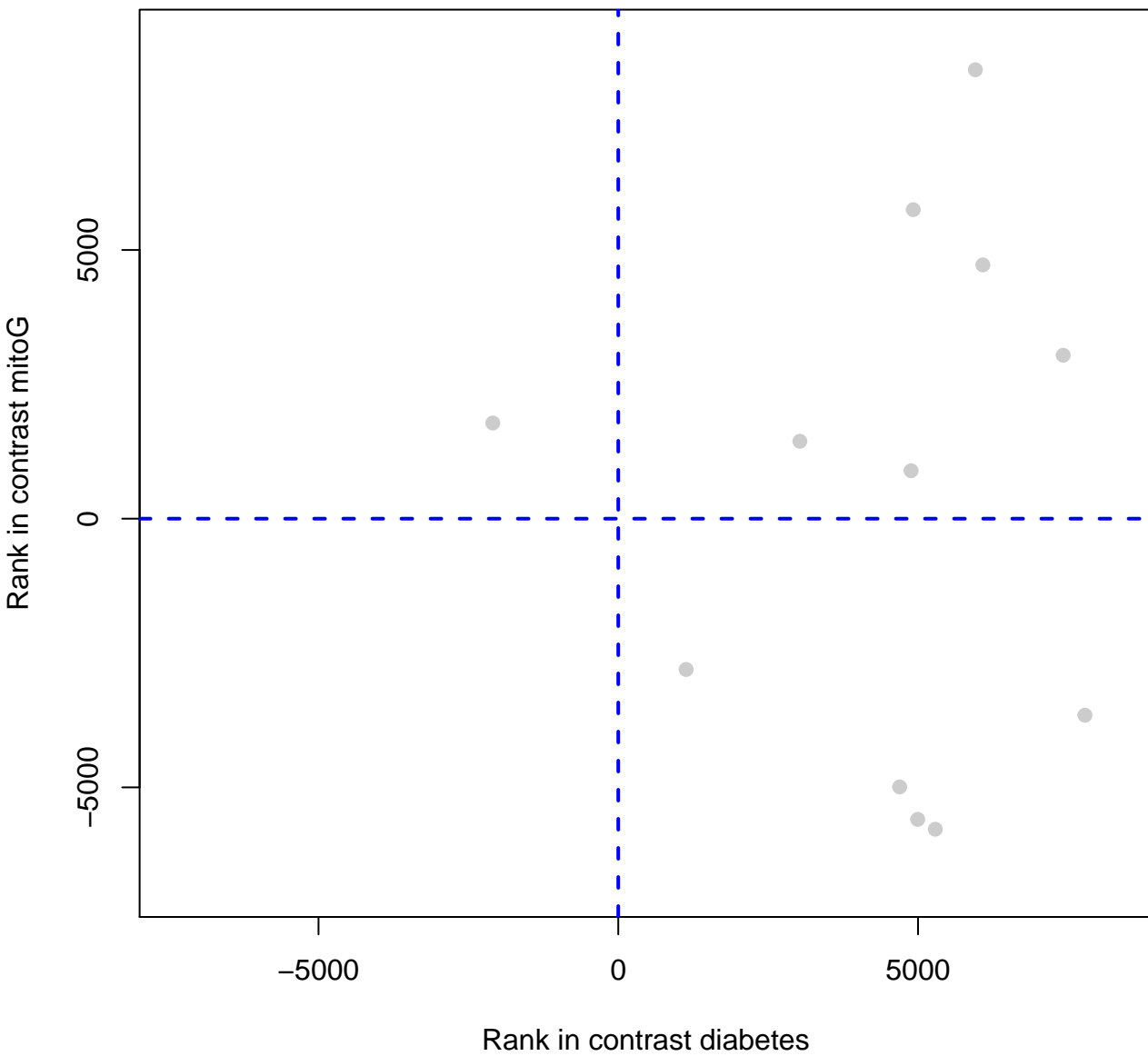
# Synthesis of active ubiquitin: roles of E1 and E2 e



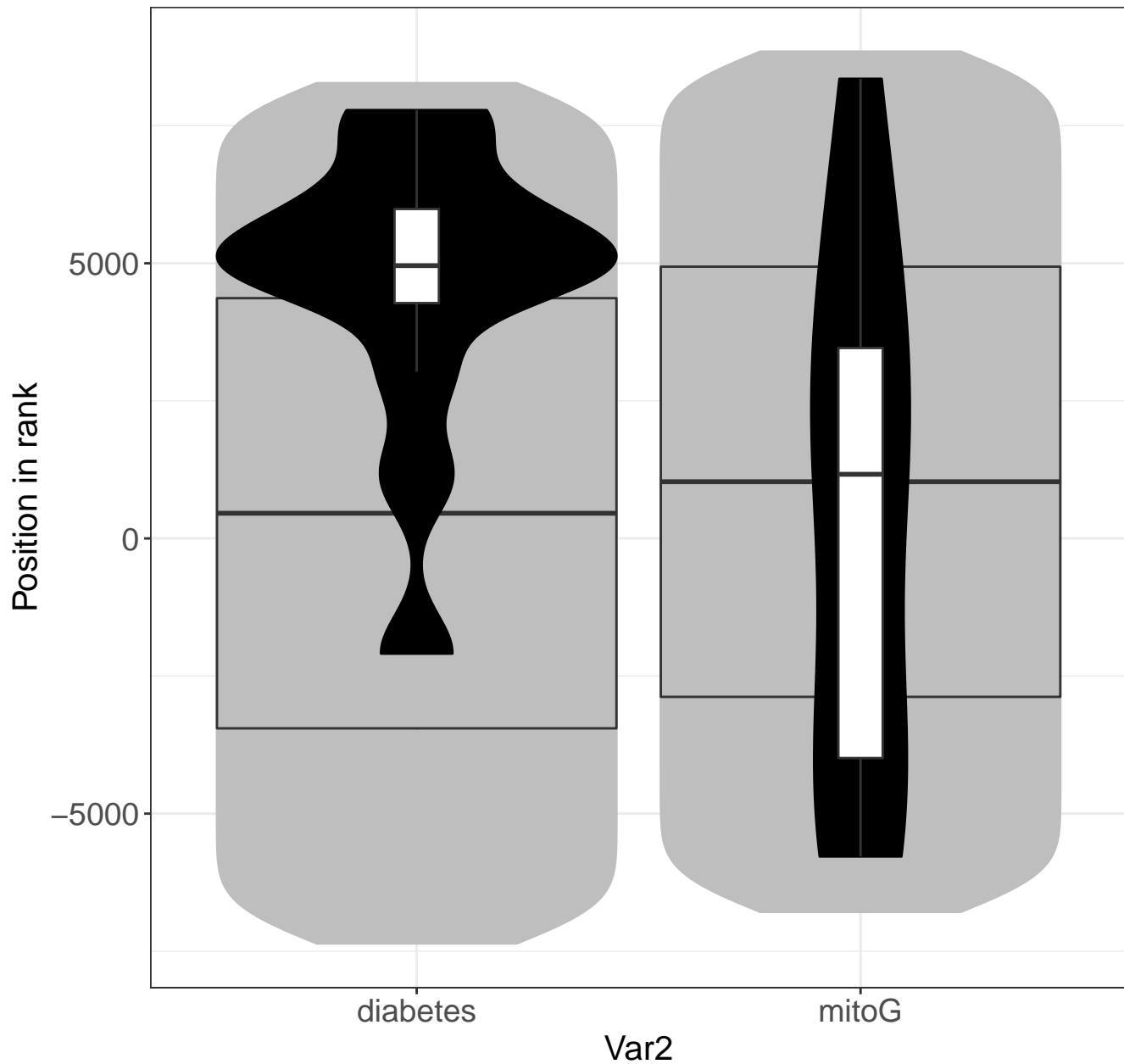
# Mismatch repair (MMR) directed by MSH2:MSH3 (MutSbe)



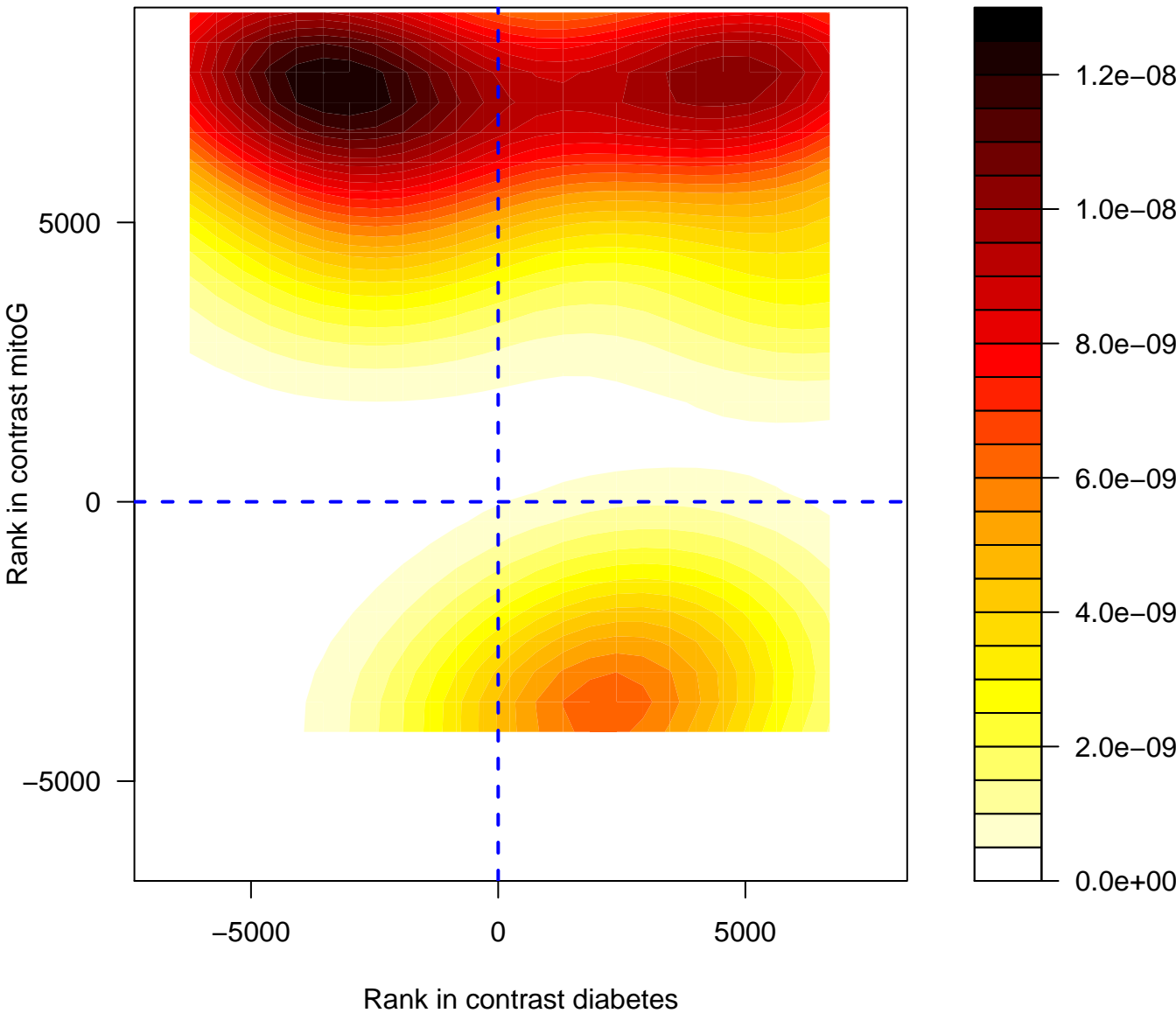
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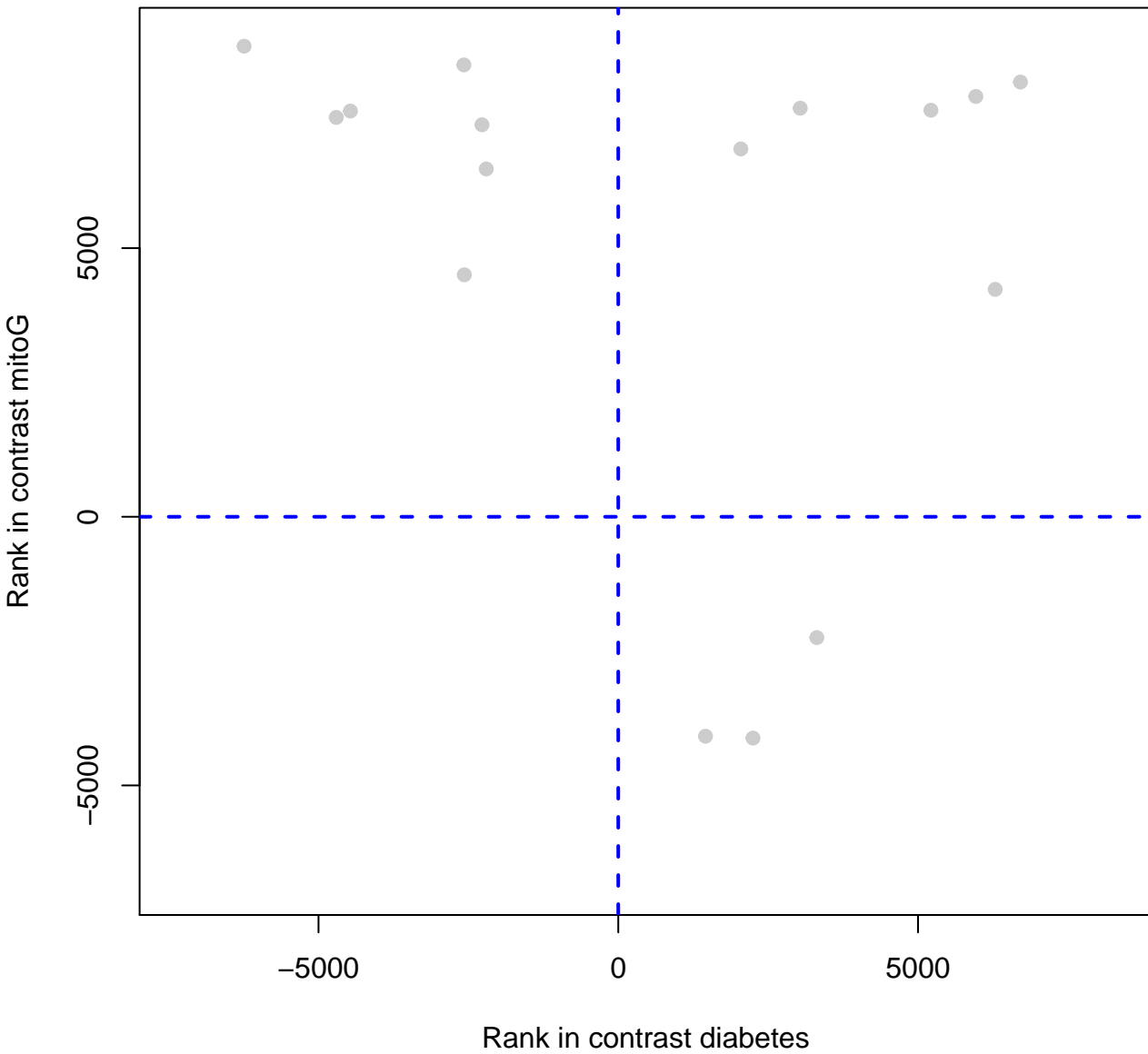


# Cell-extracellular matrix interactions

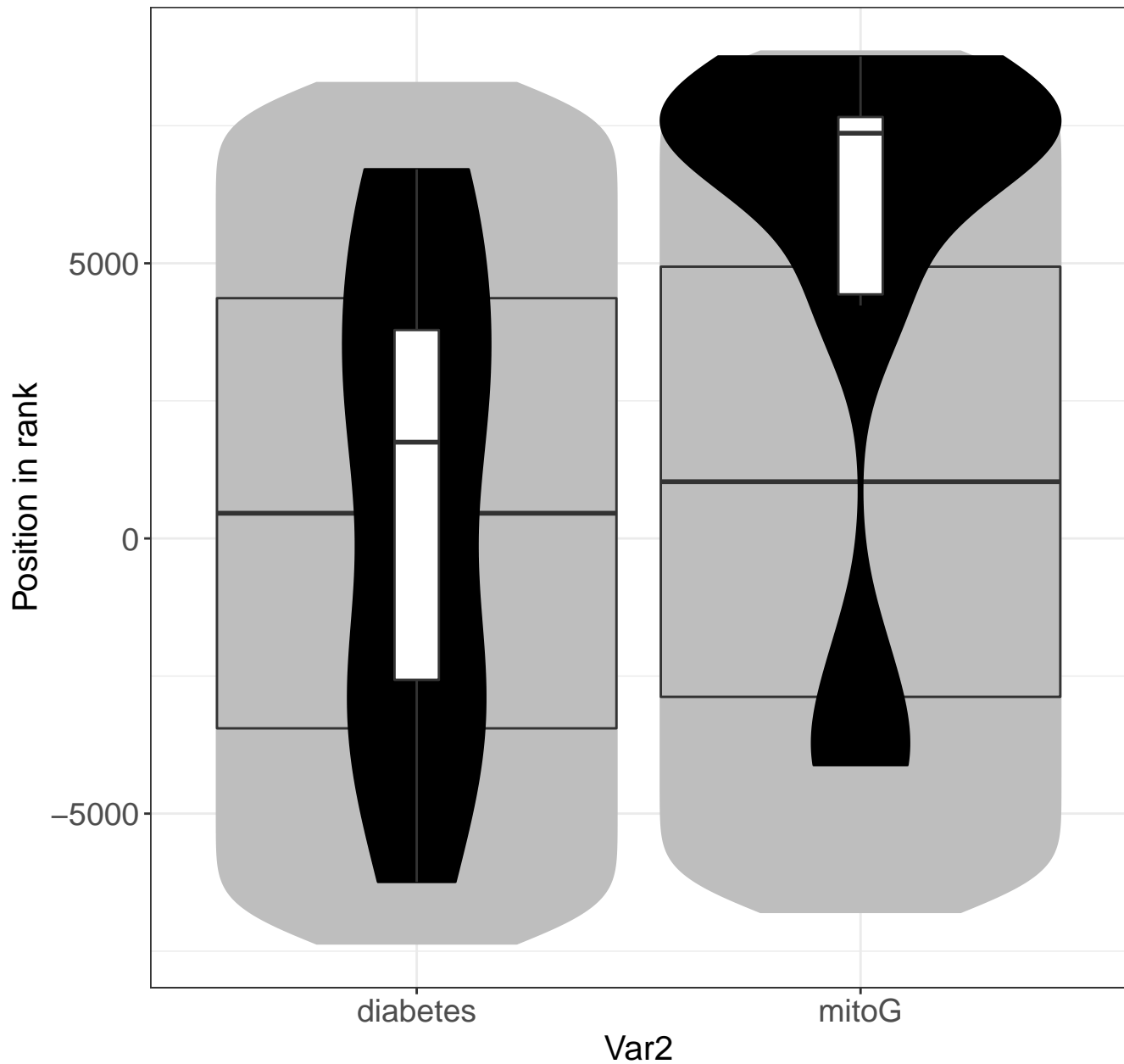




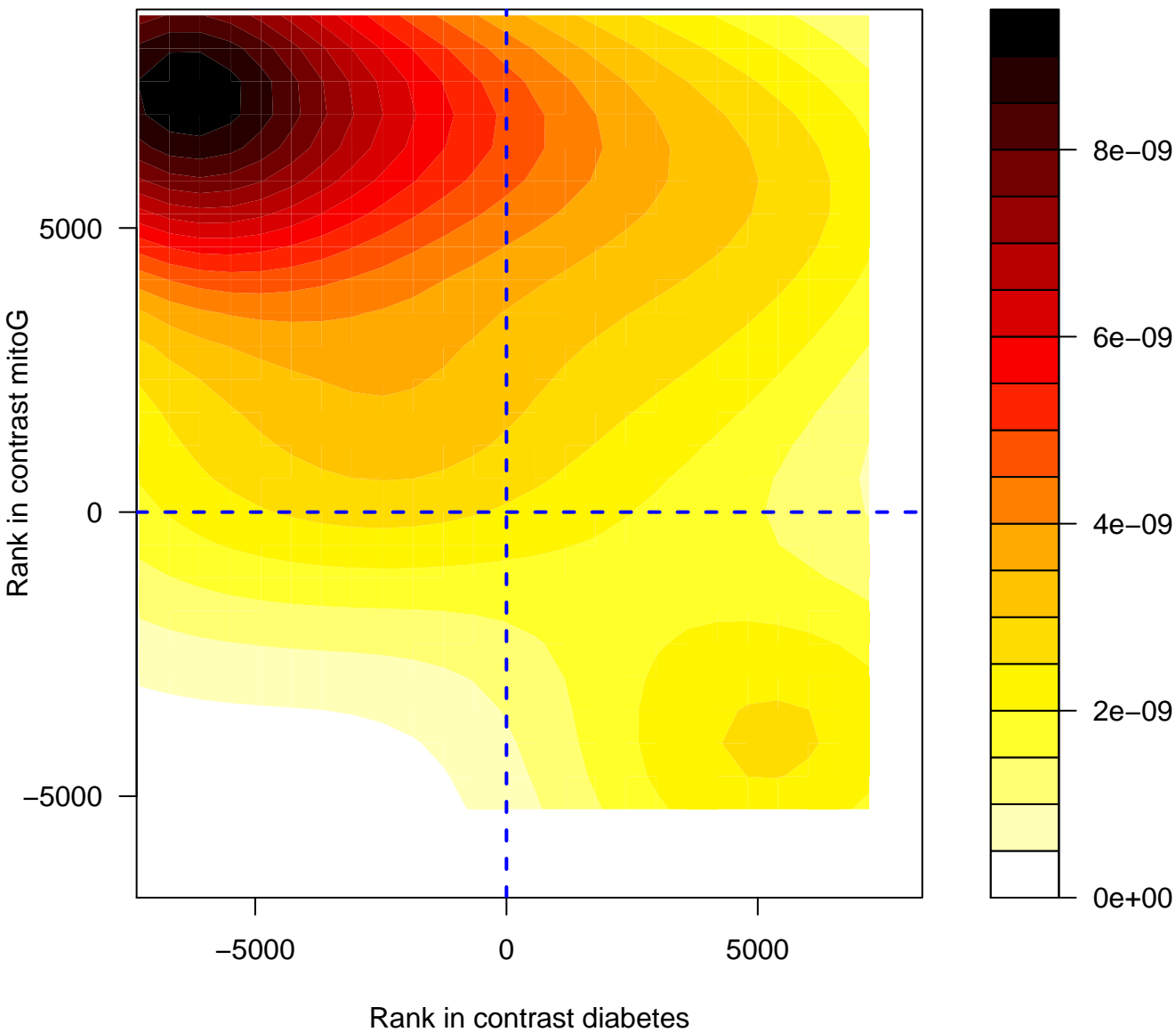
## Cell-extracellular matrix interactions



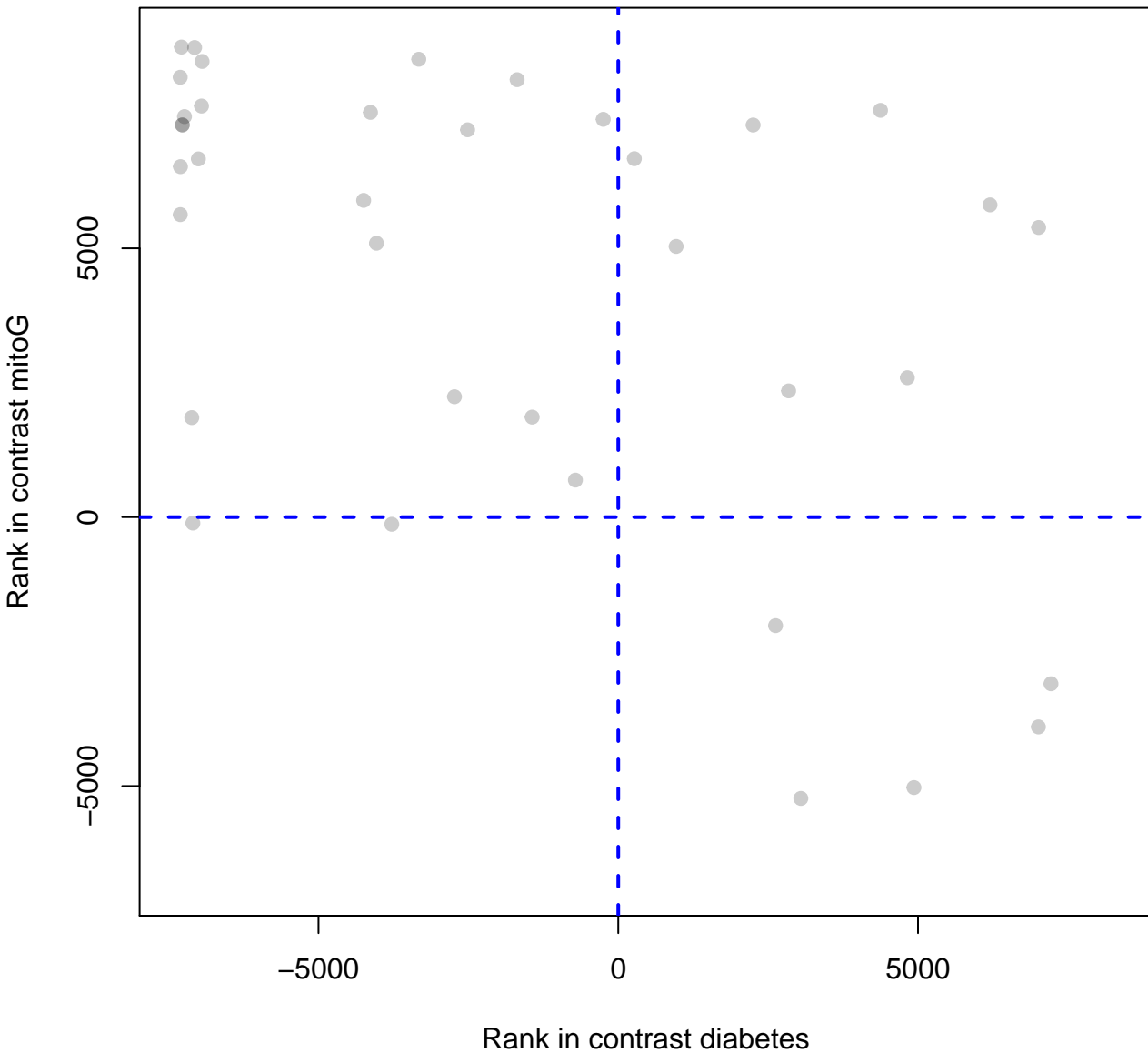
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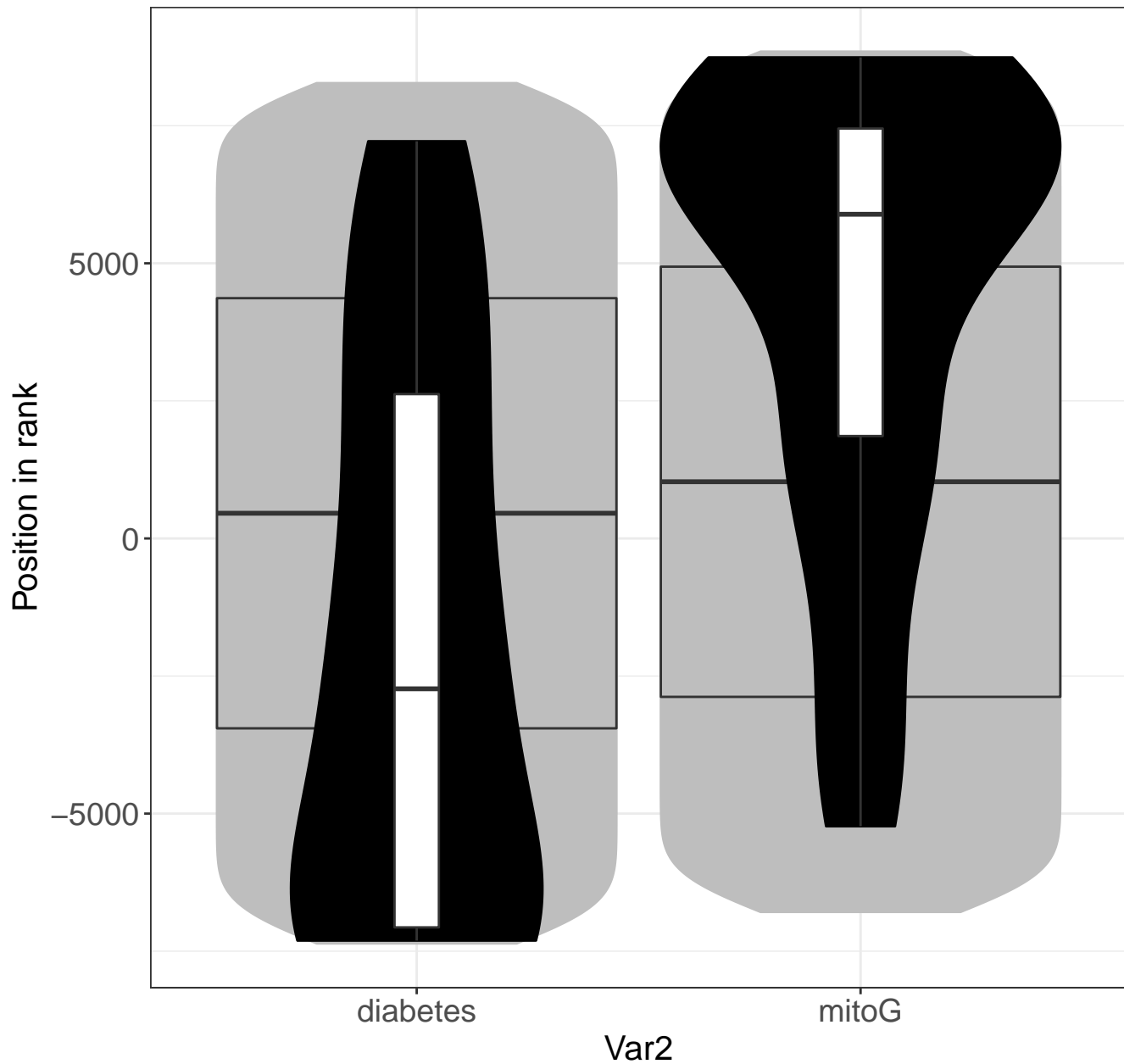
# HSP90 chaperone cycle for steroid hormone receptors (SI)



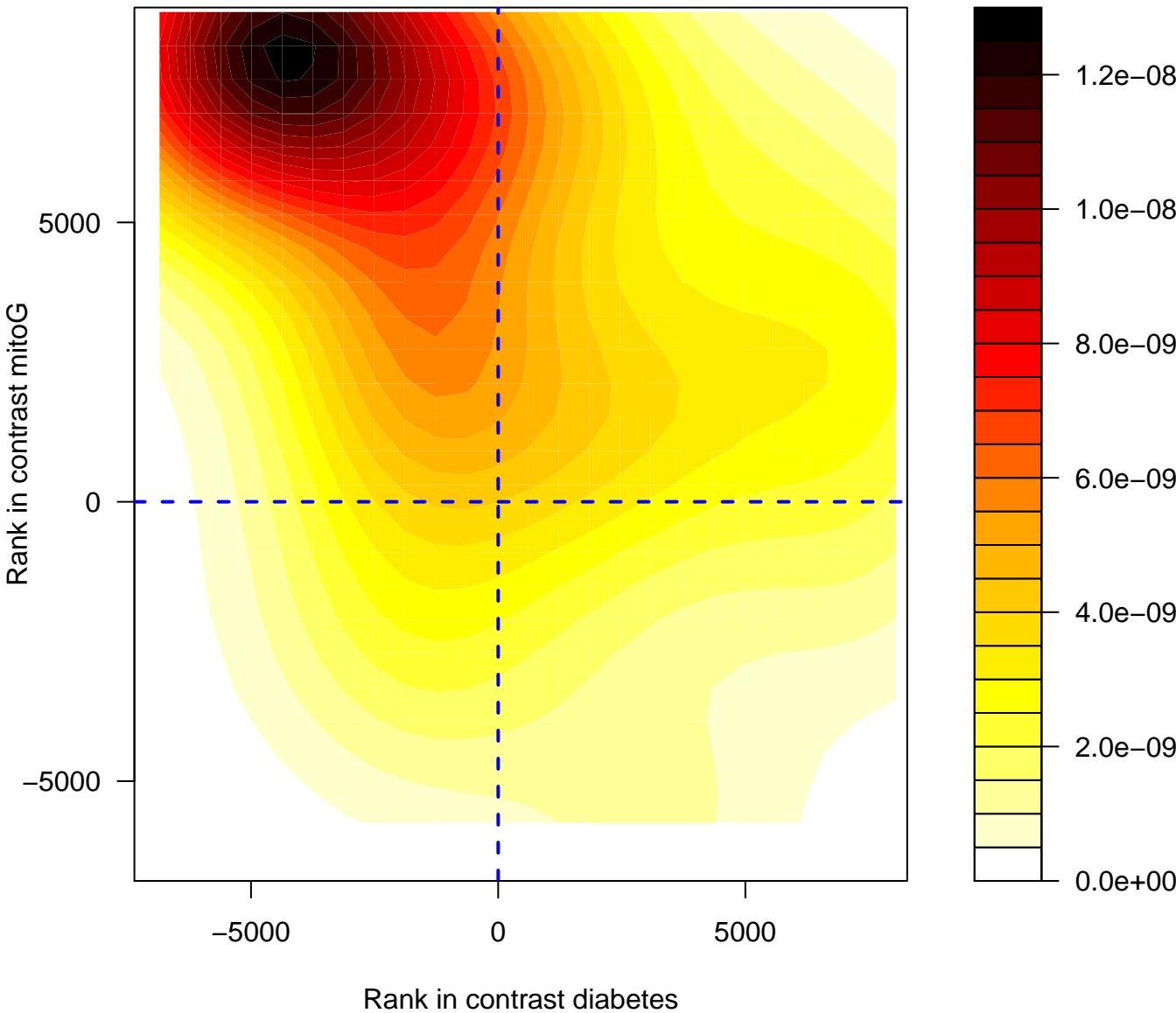
# HSP90 chaperone cycle for steroid hormone receptors (SHR)



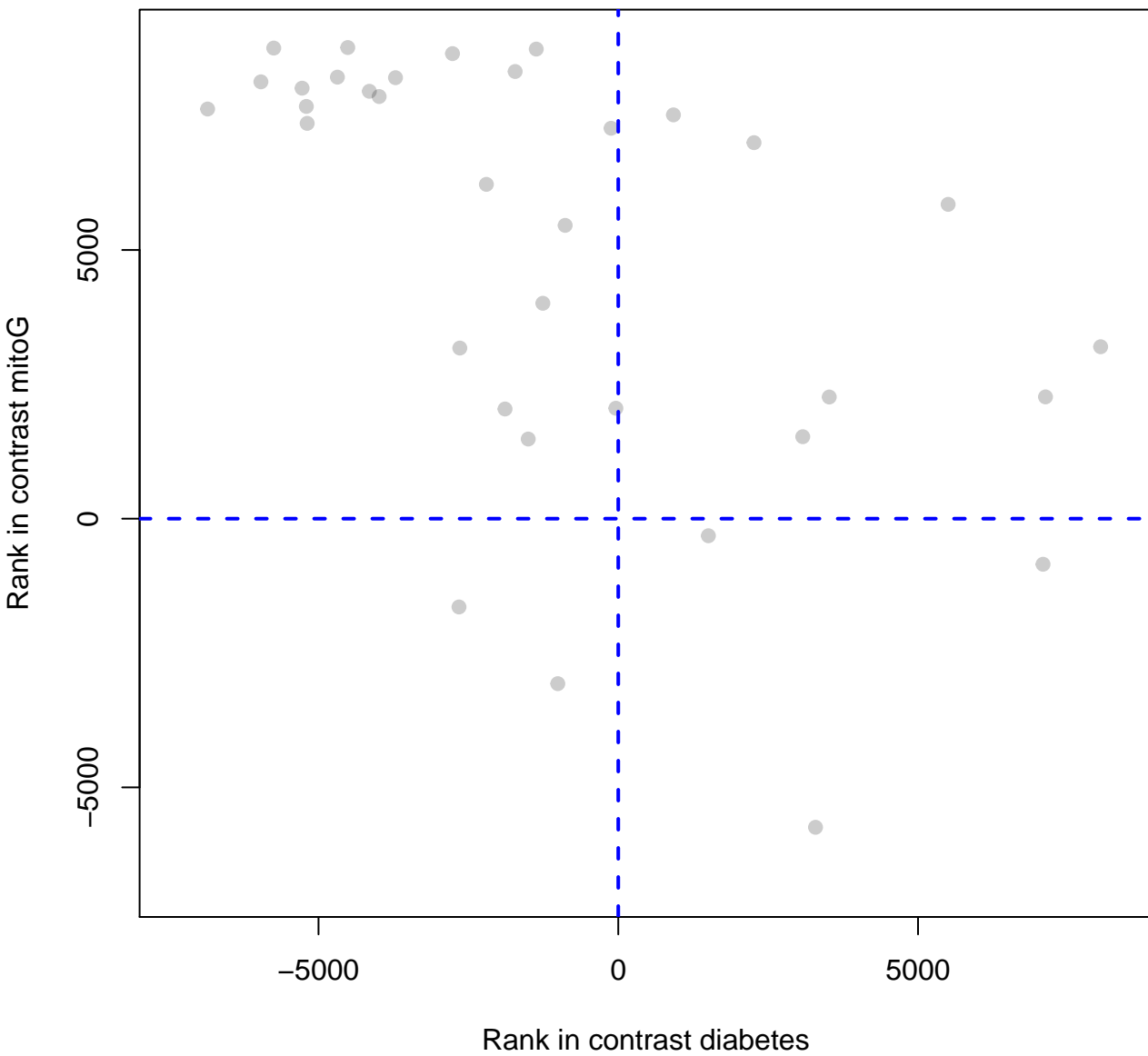
# HSP90 chaperone cycle for steroid hormone rece



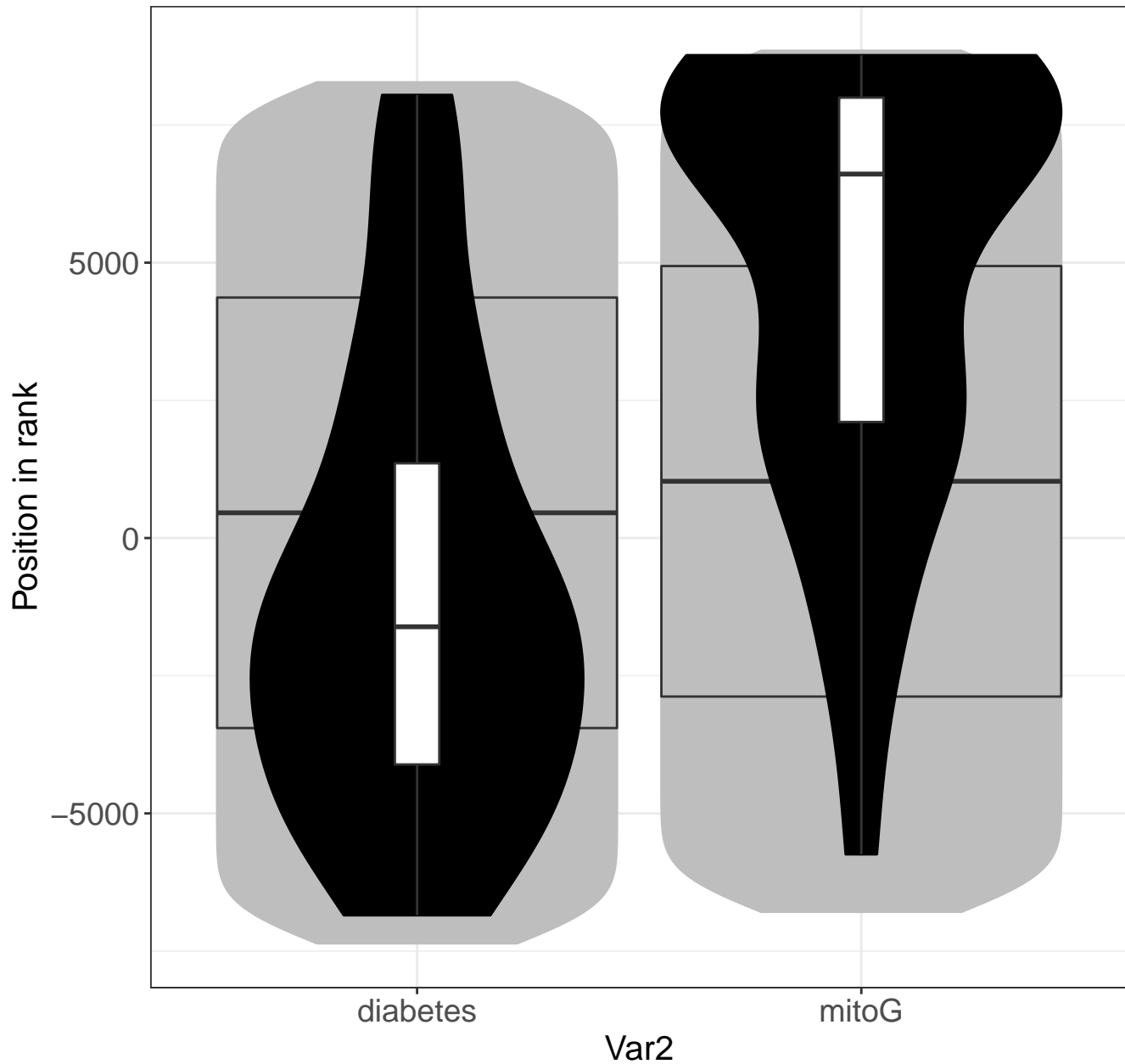
## EPHB-mediated forward signaling



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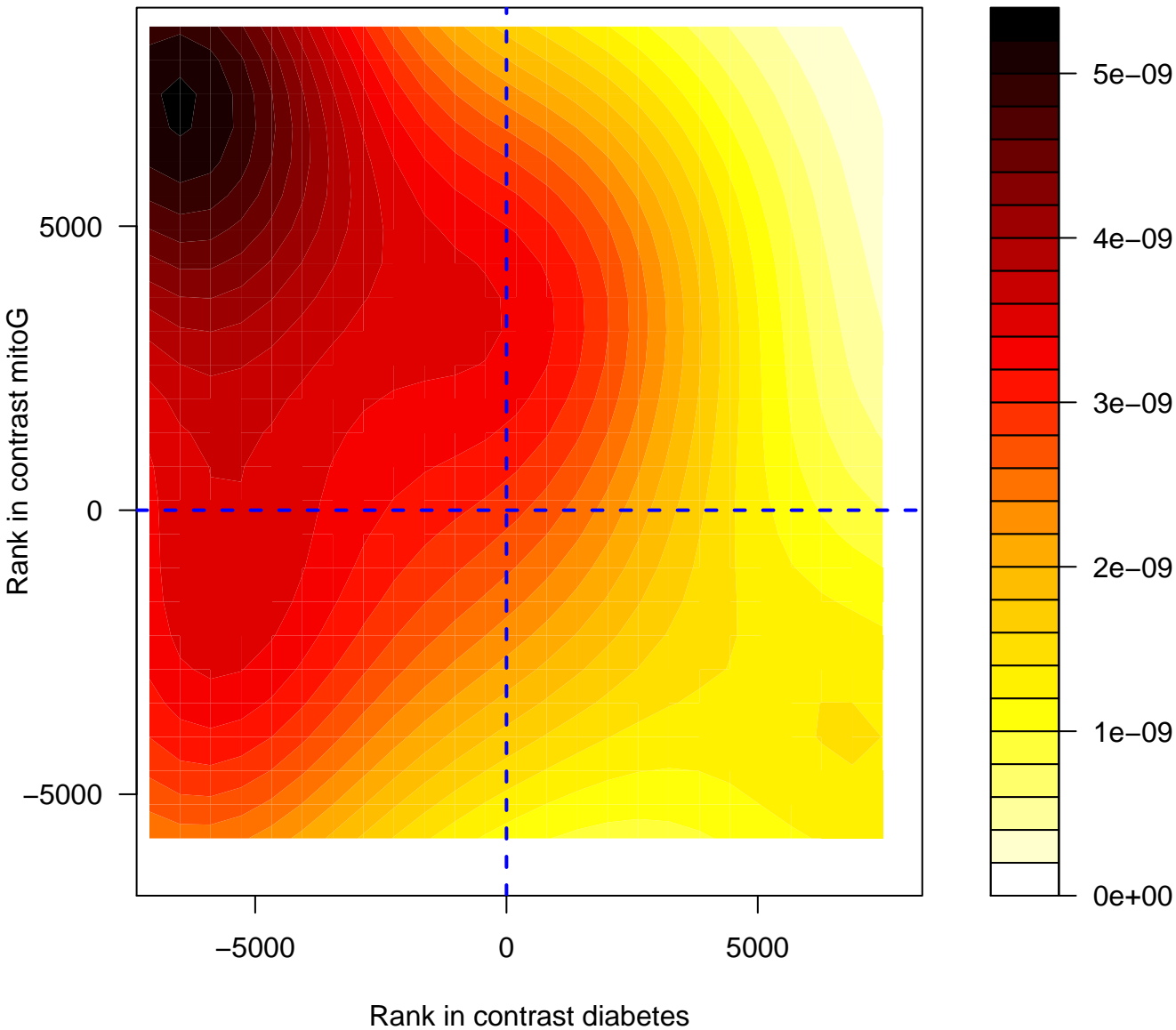


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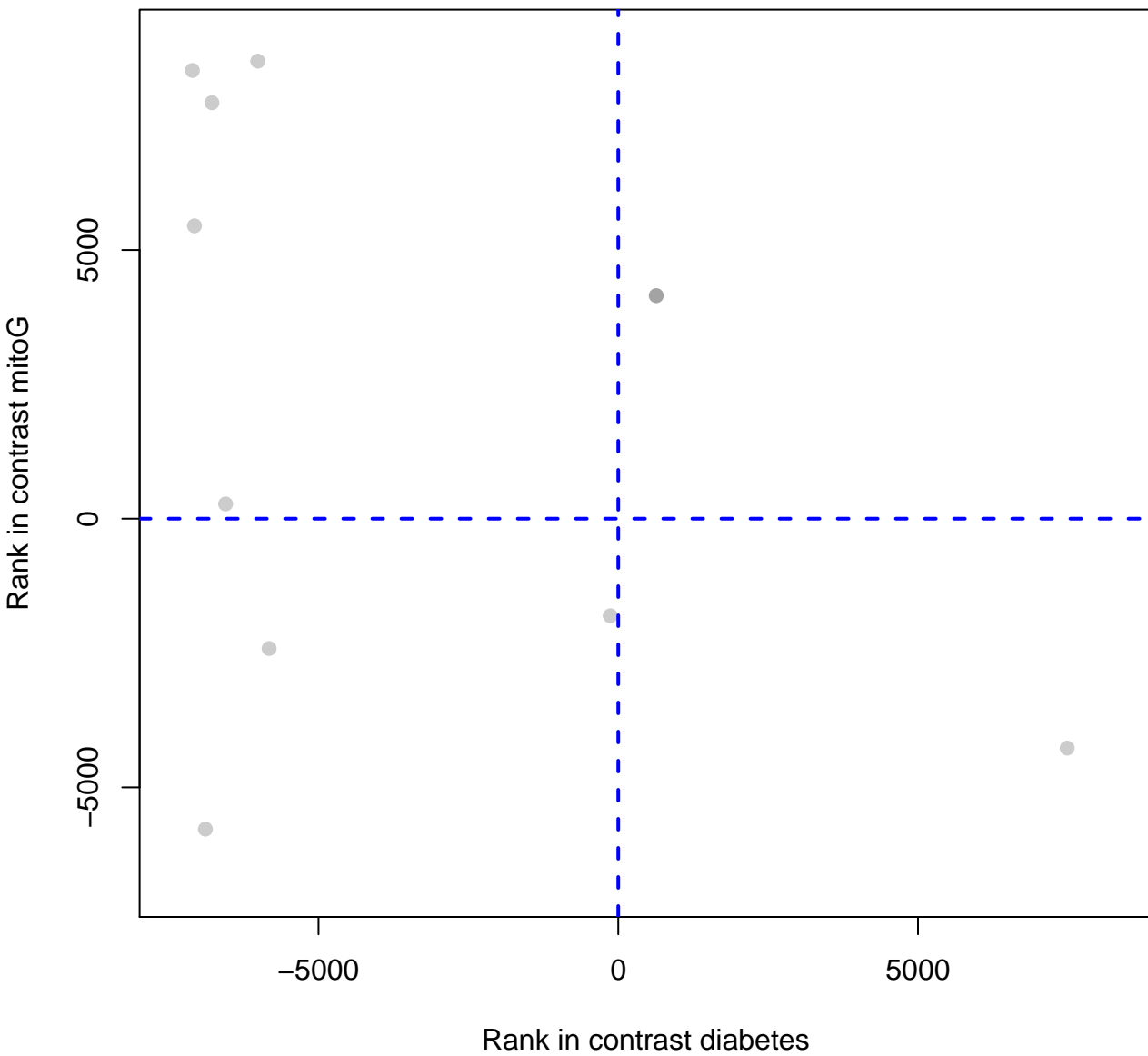




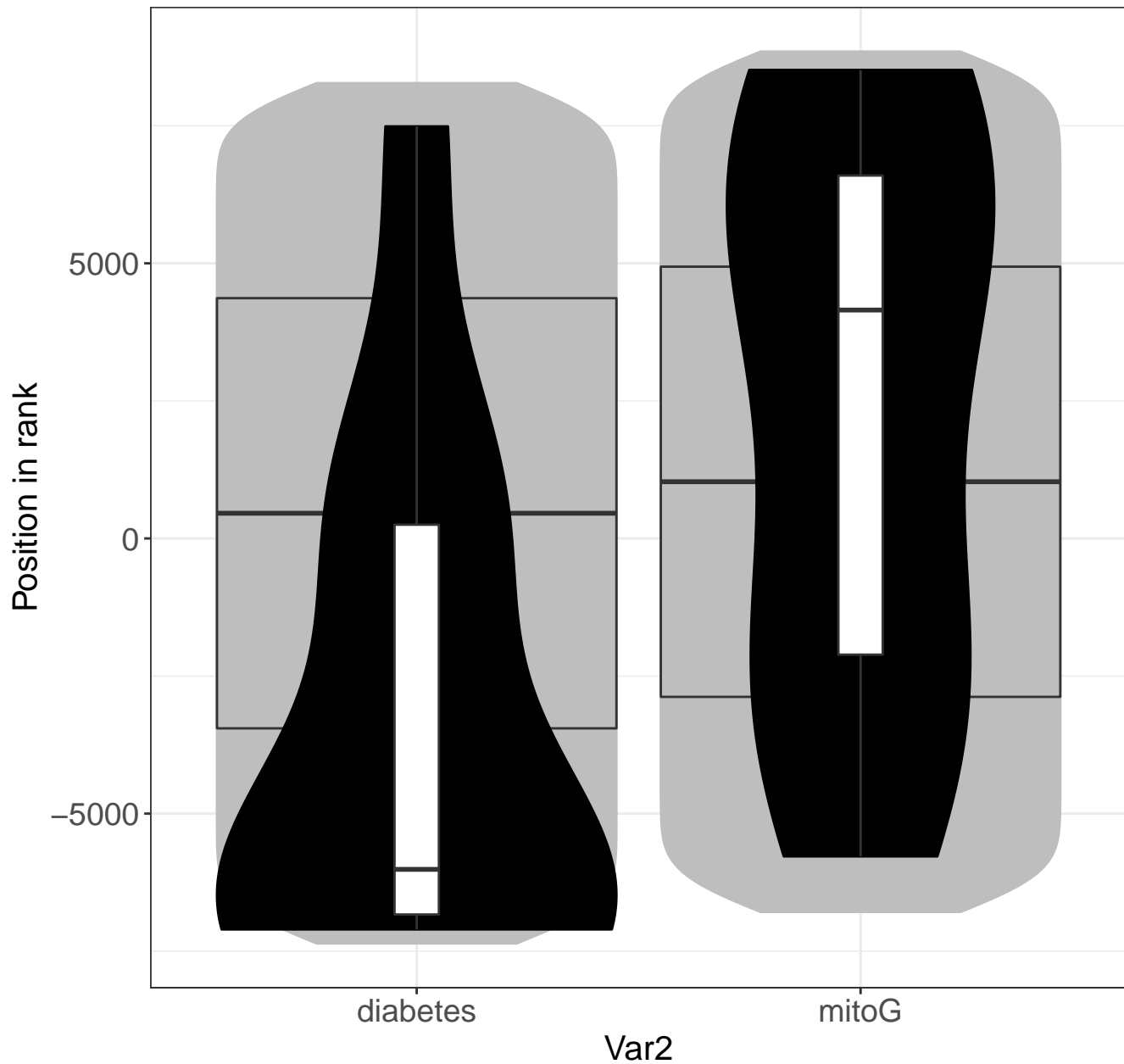
# Josephin domain DUBs



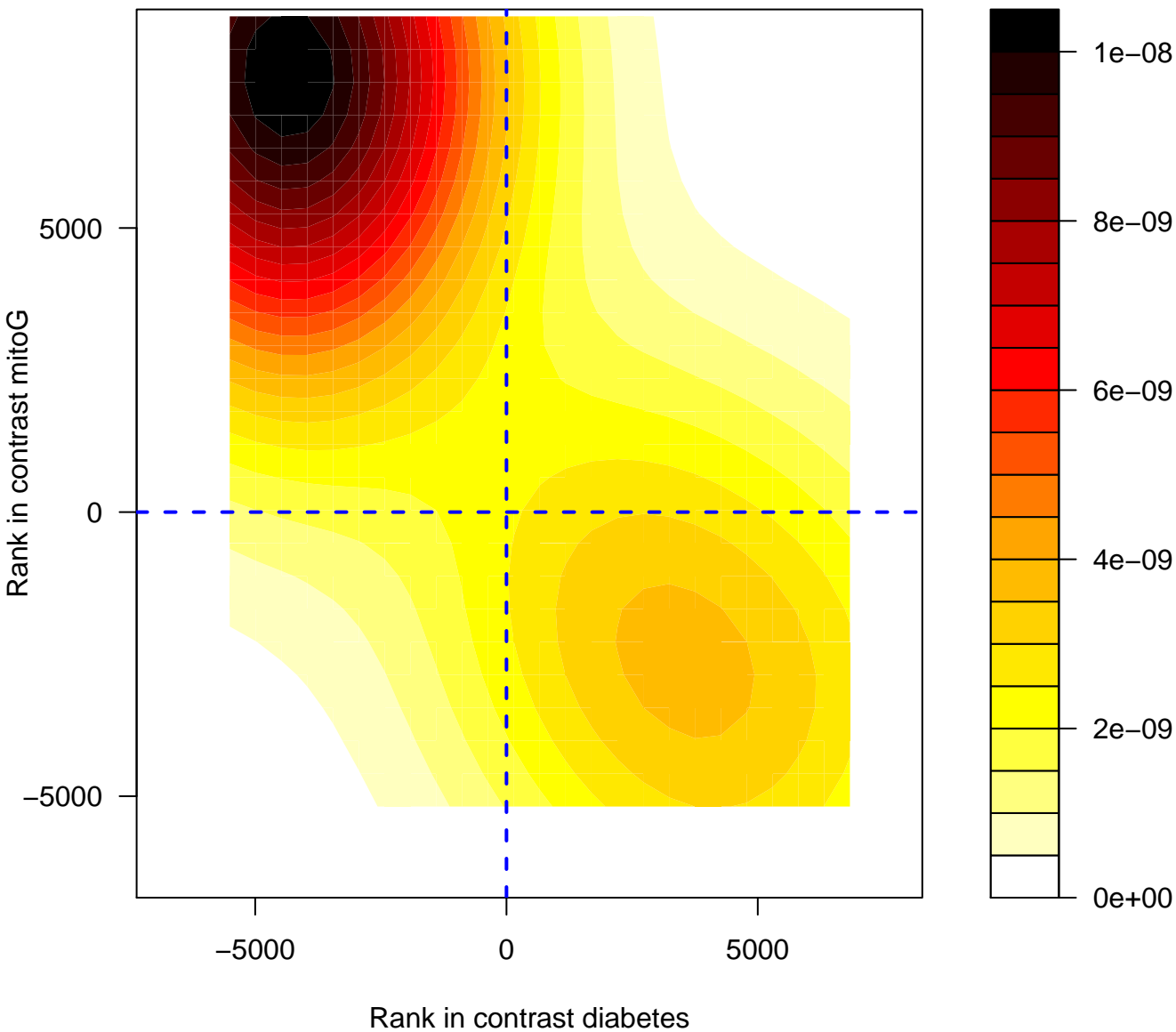
# Josephin domain DUBs



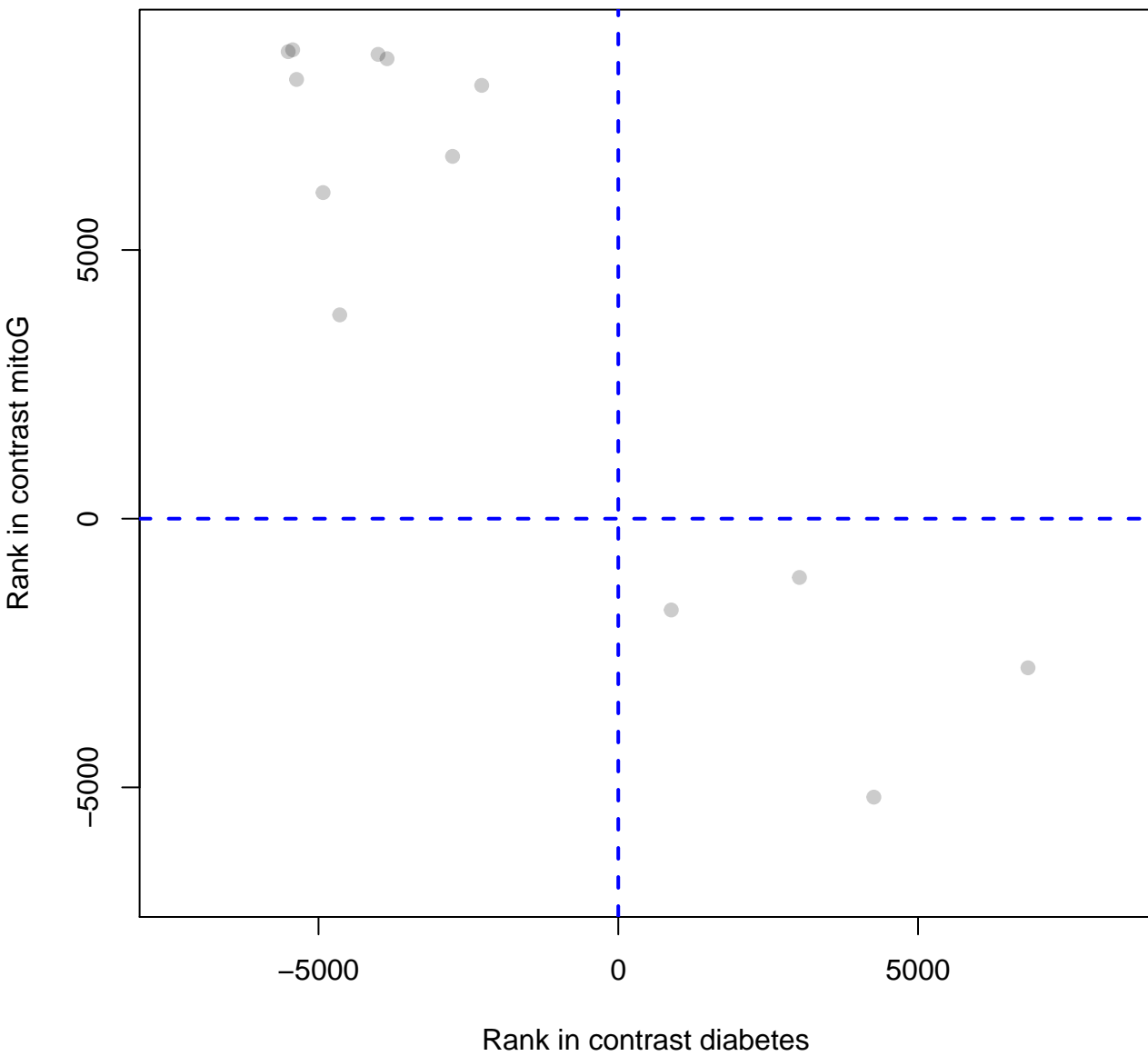
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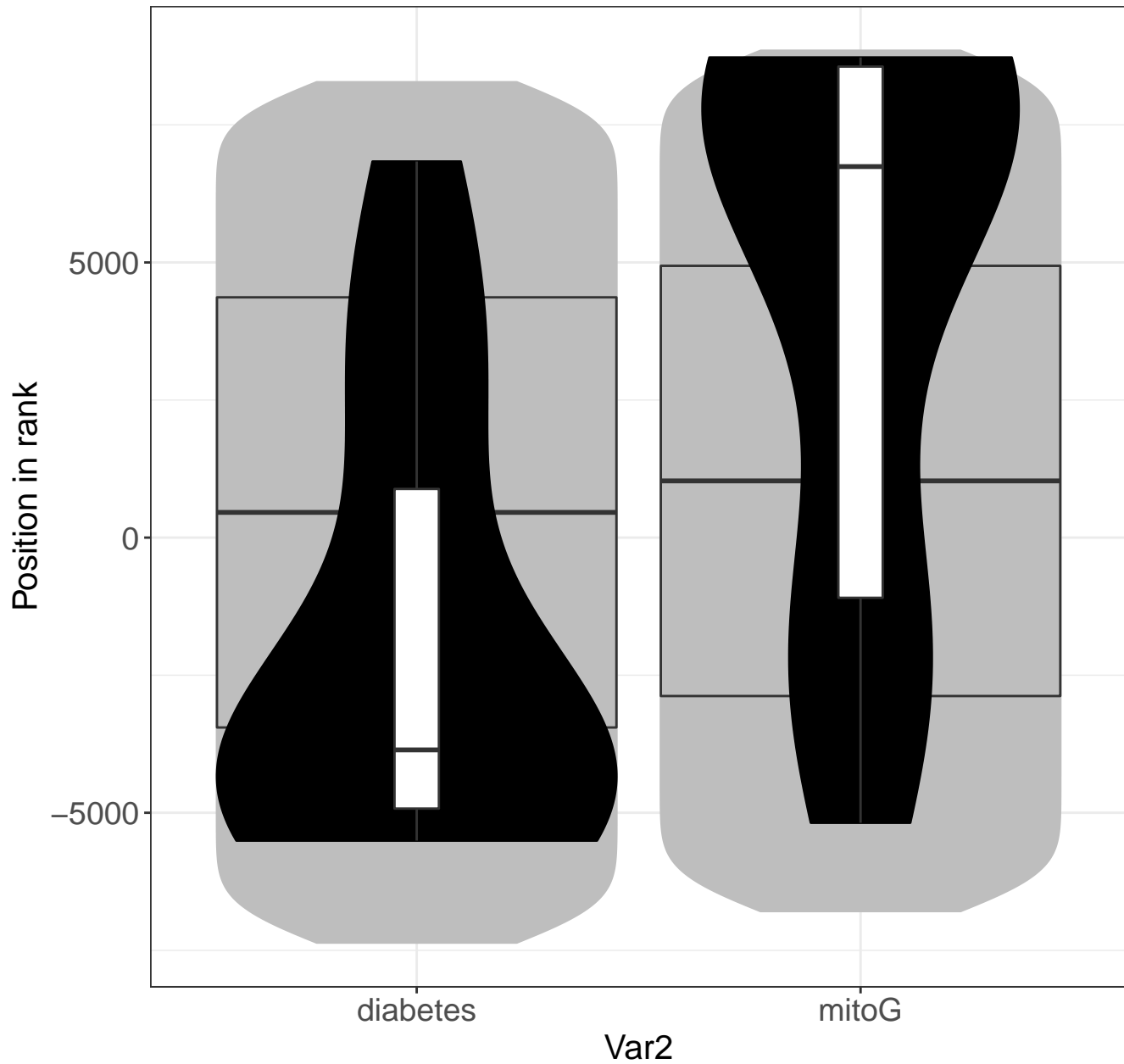
# Mitotic Telophase/Cytokinesis



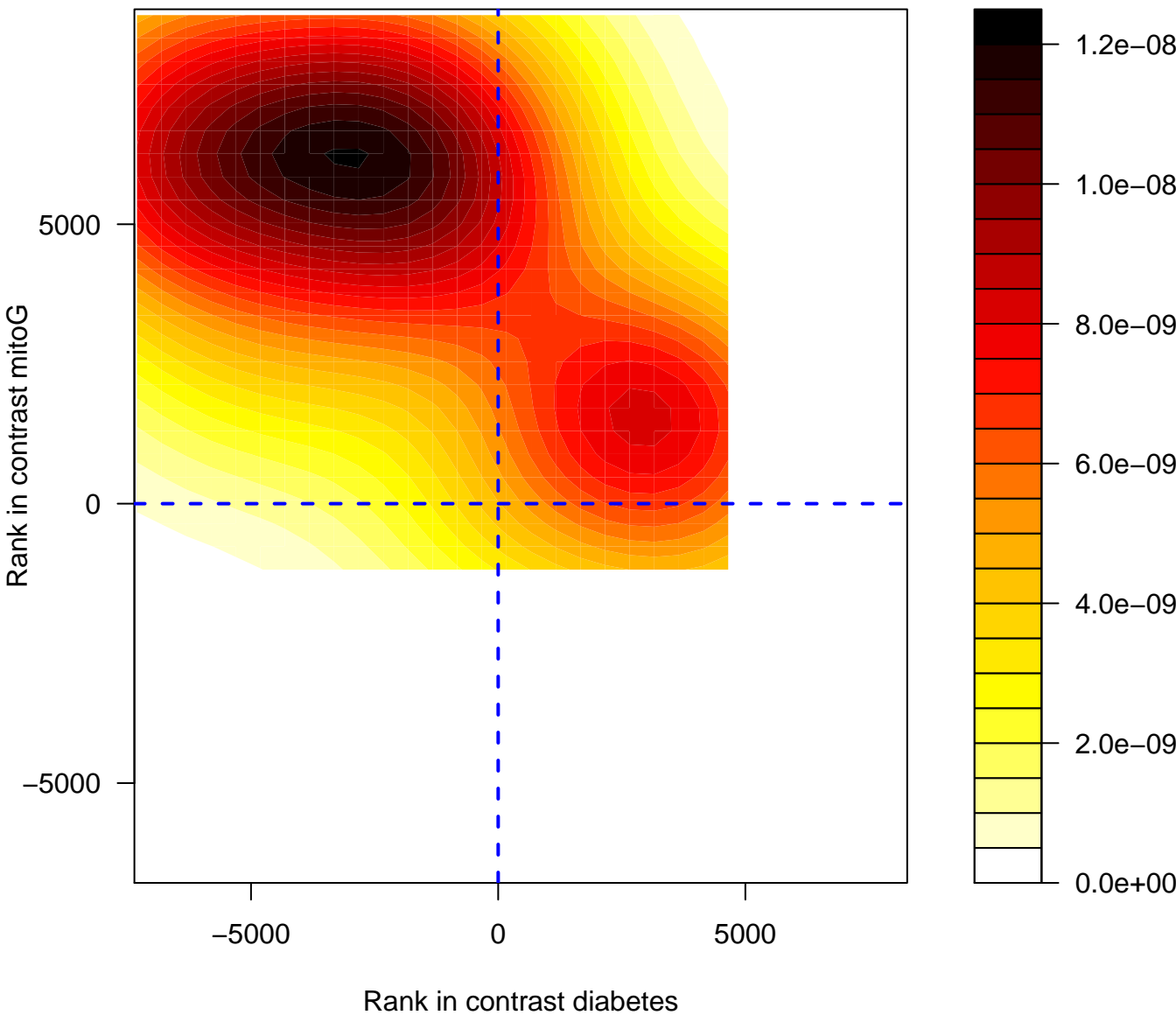
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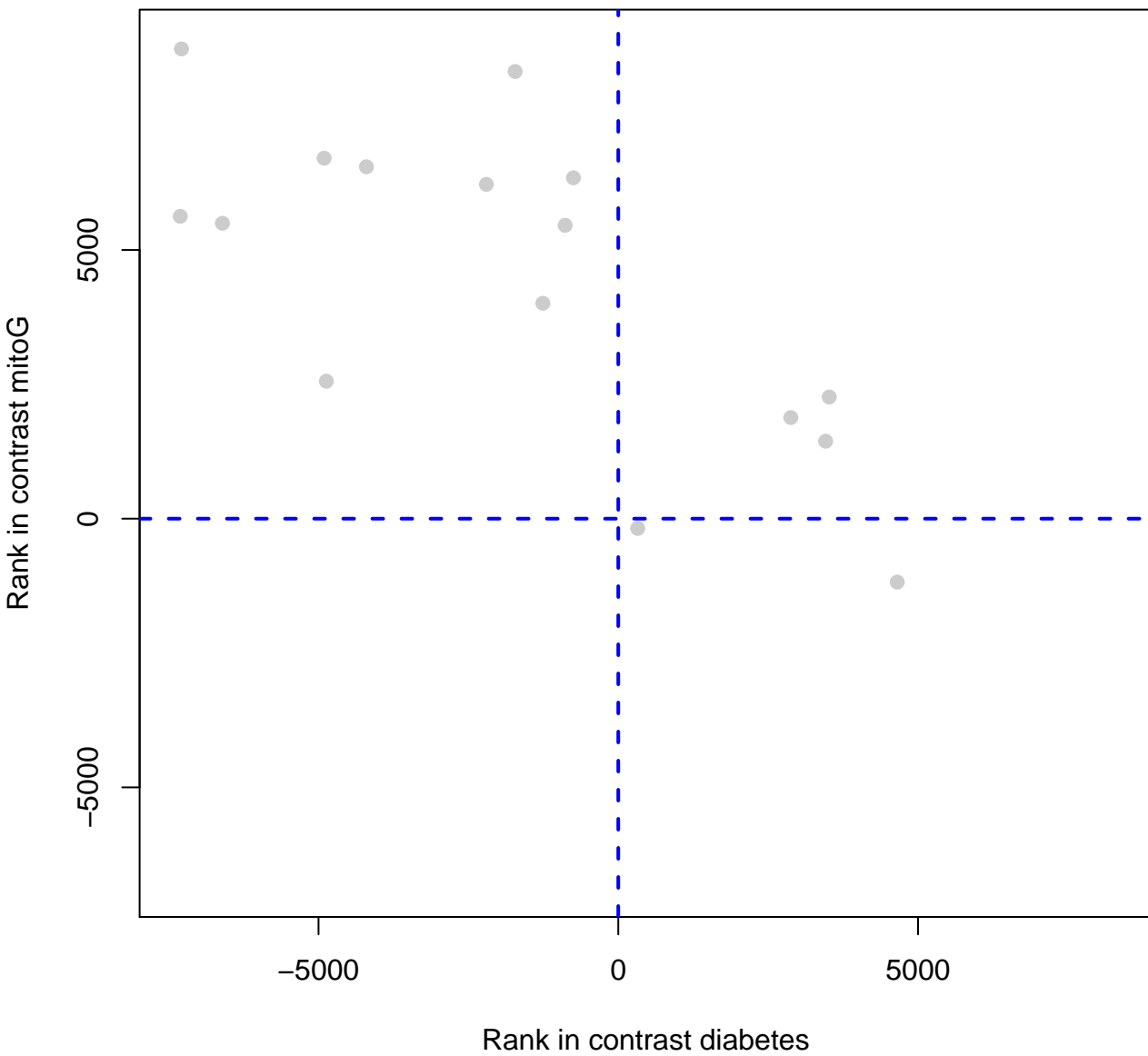
# Mitotic Telophase/Cytokinesis



# Sema3A PAK dependent Axon repulsion

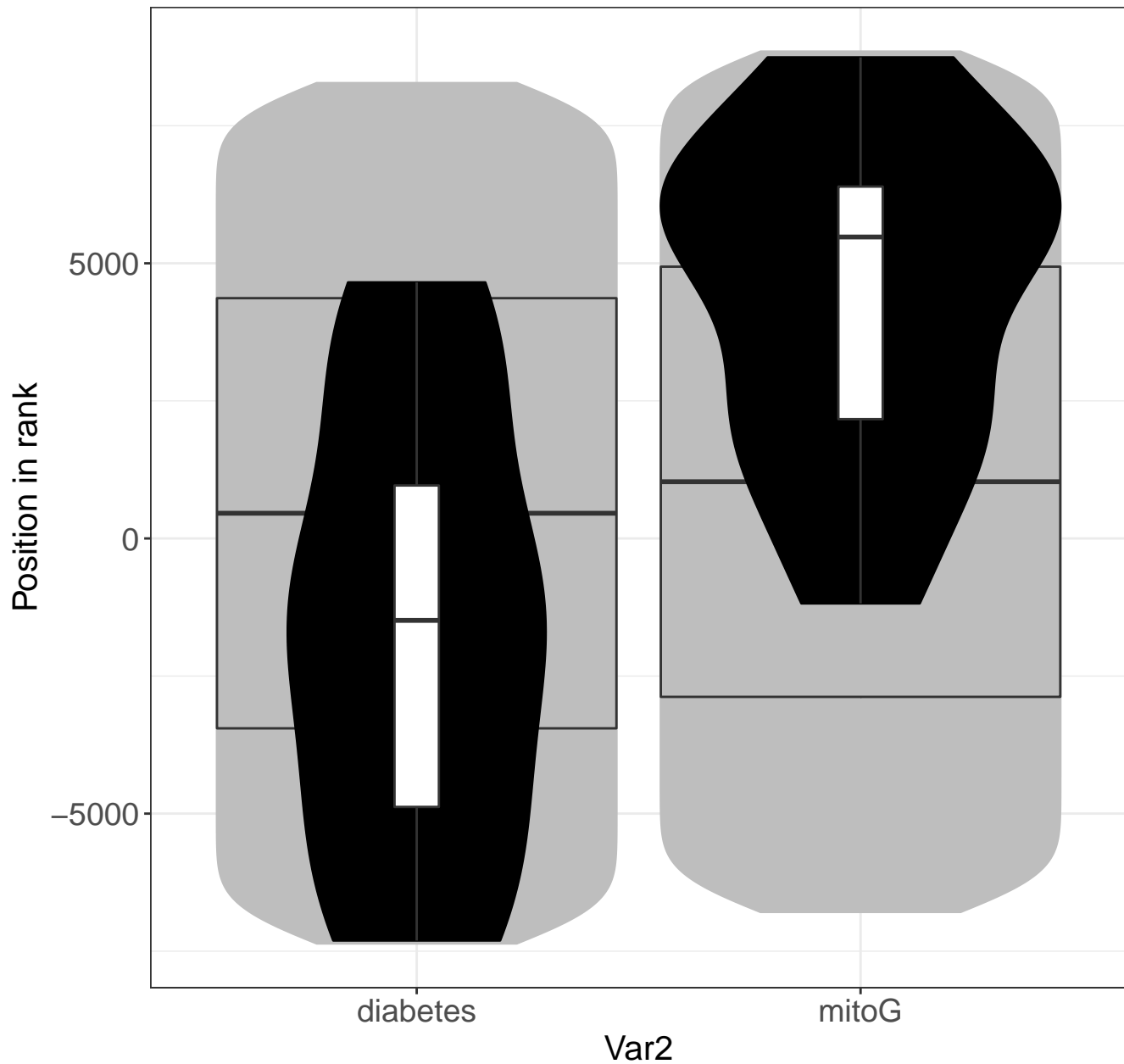


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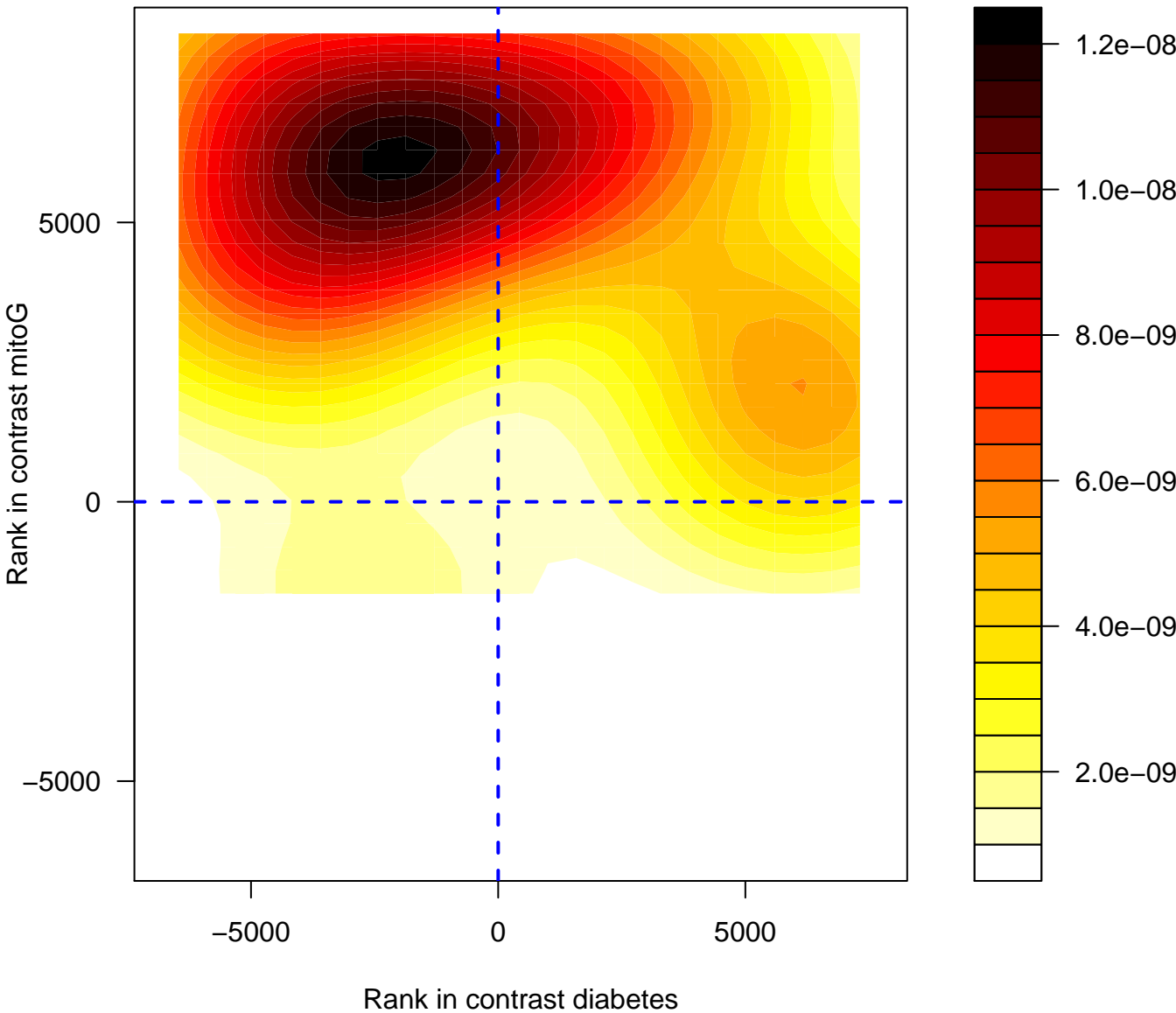




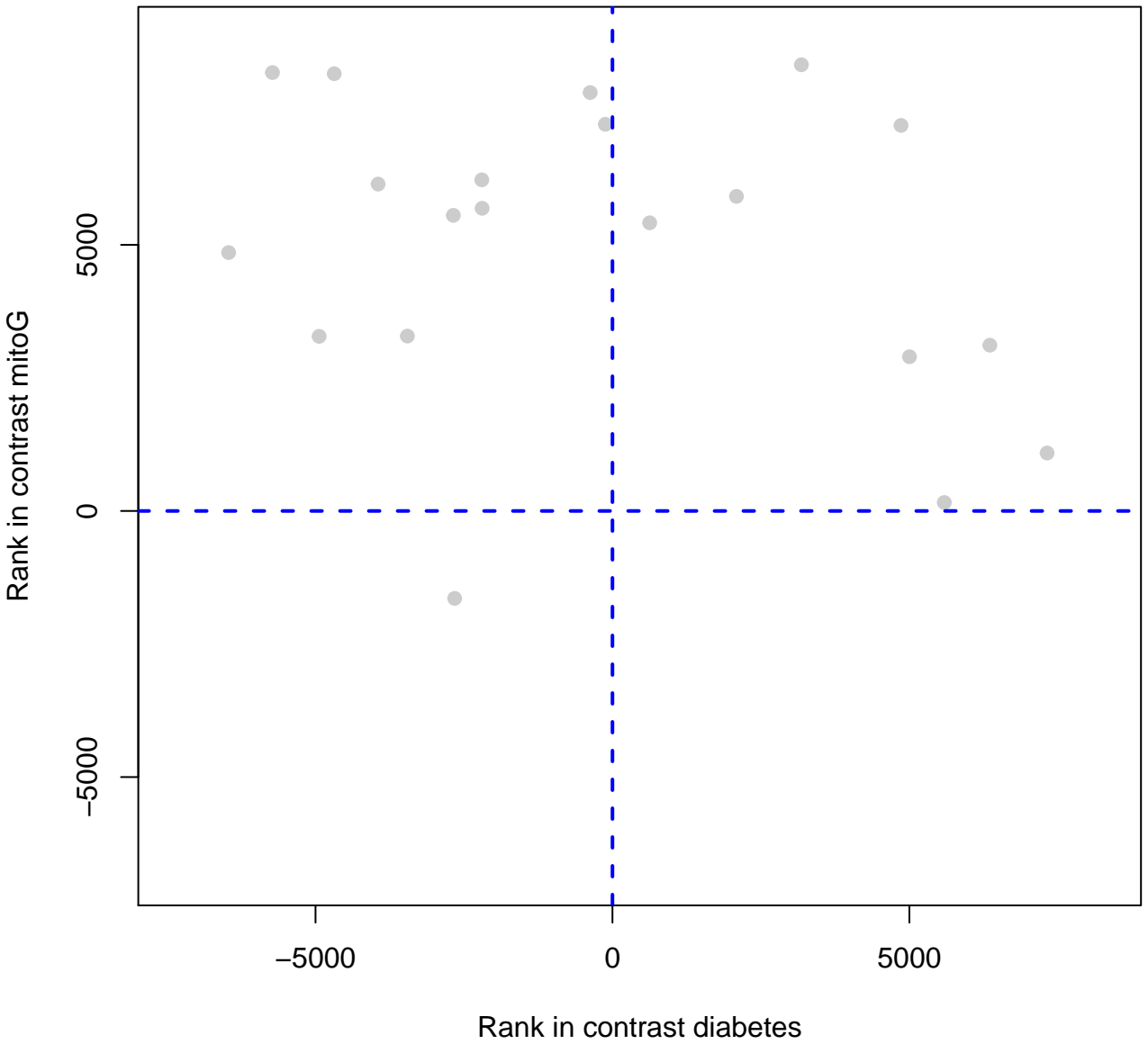
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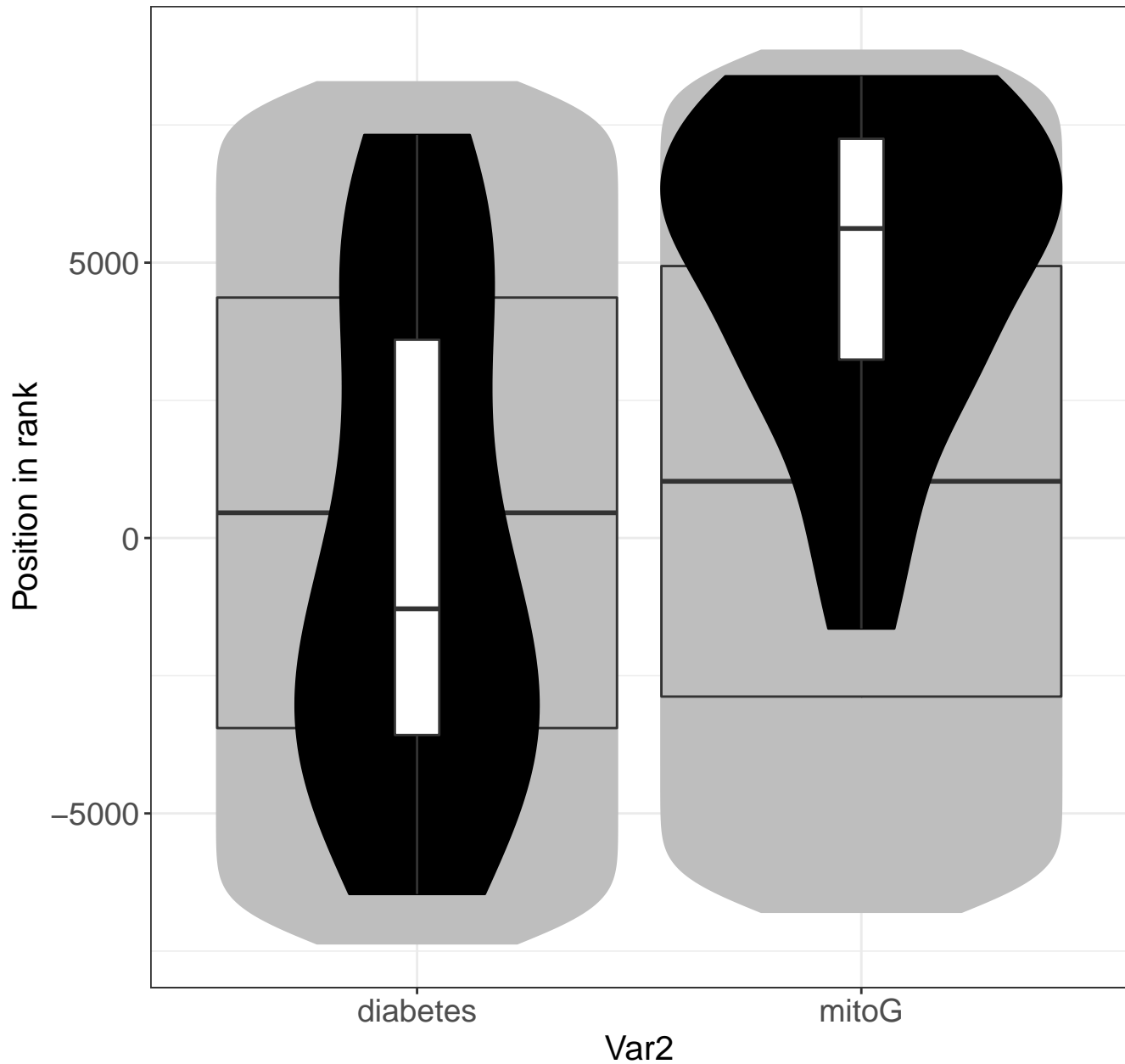
# CTLA4 inhibitory signaling



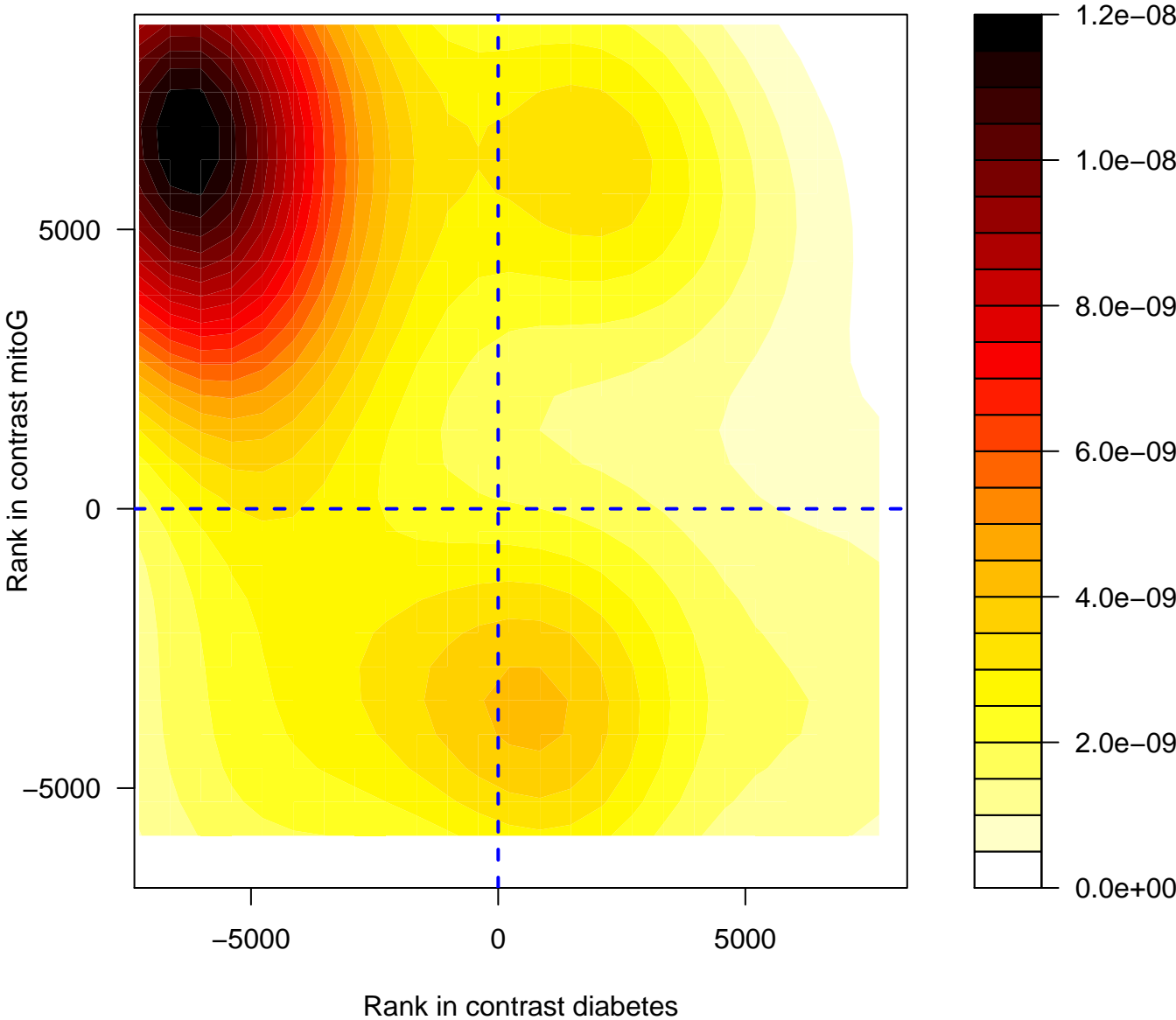
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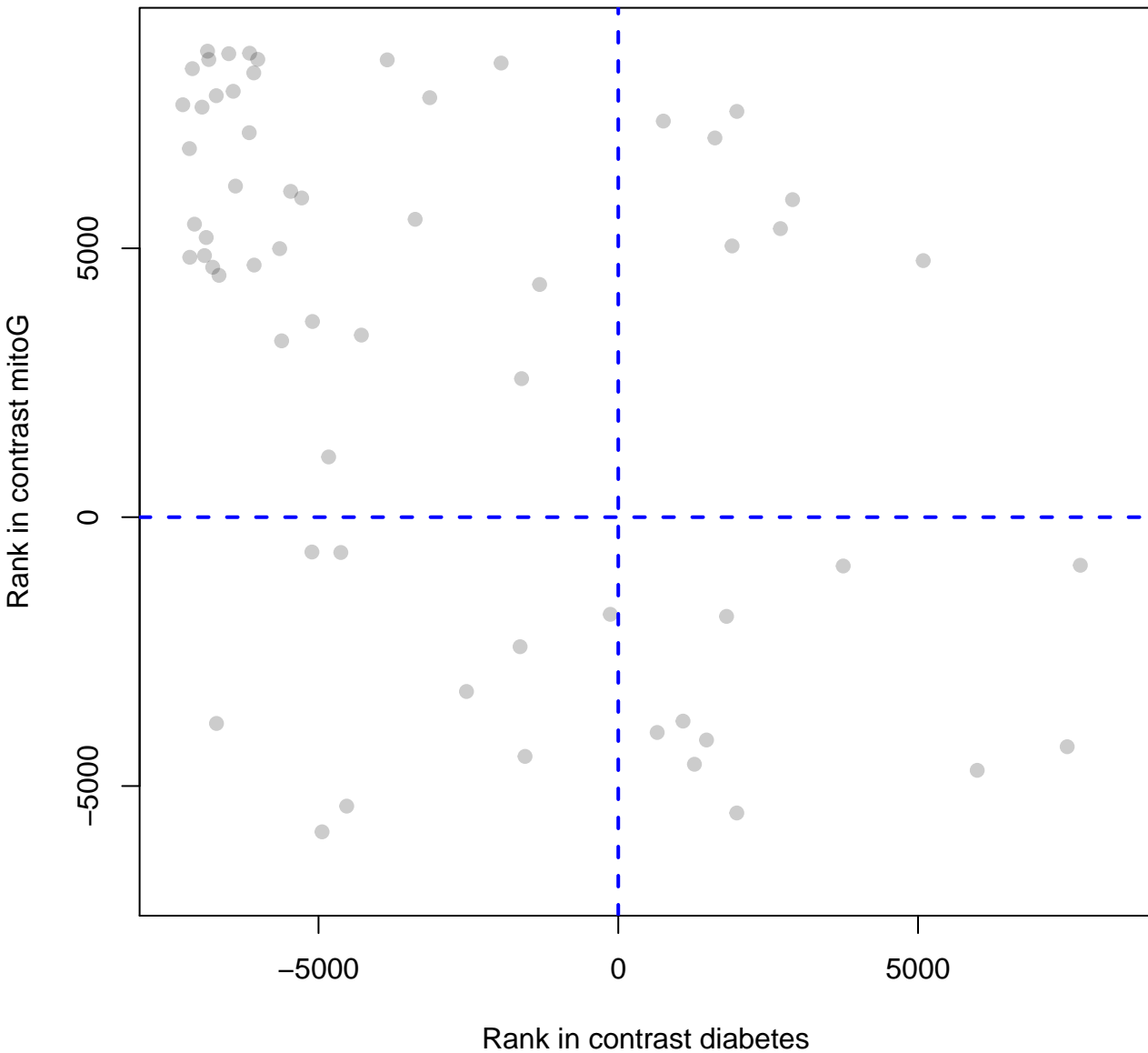
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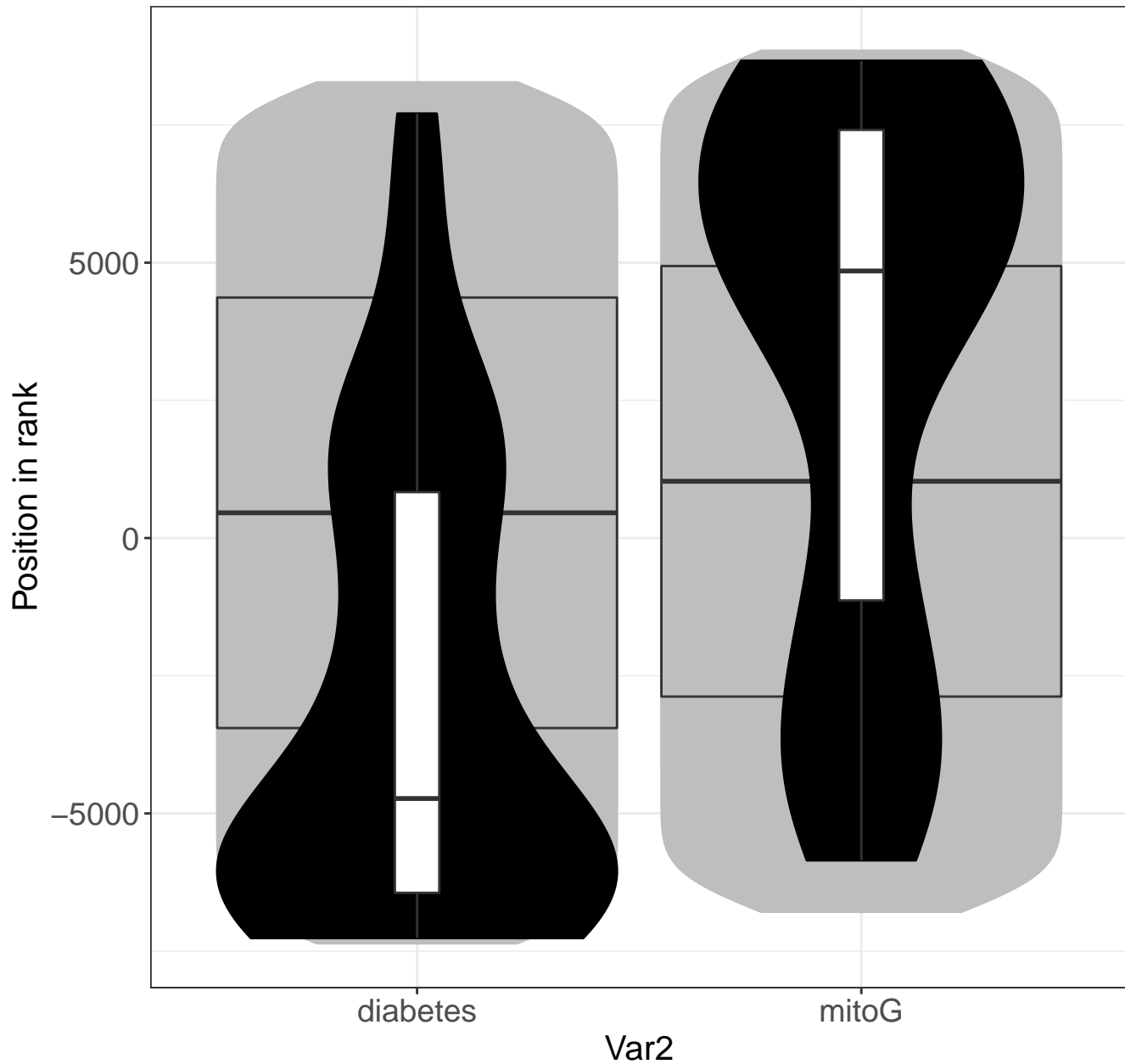
## Defective CFTR causes cystic fibrosis



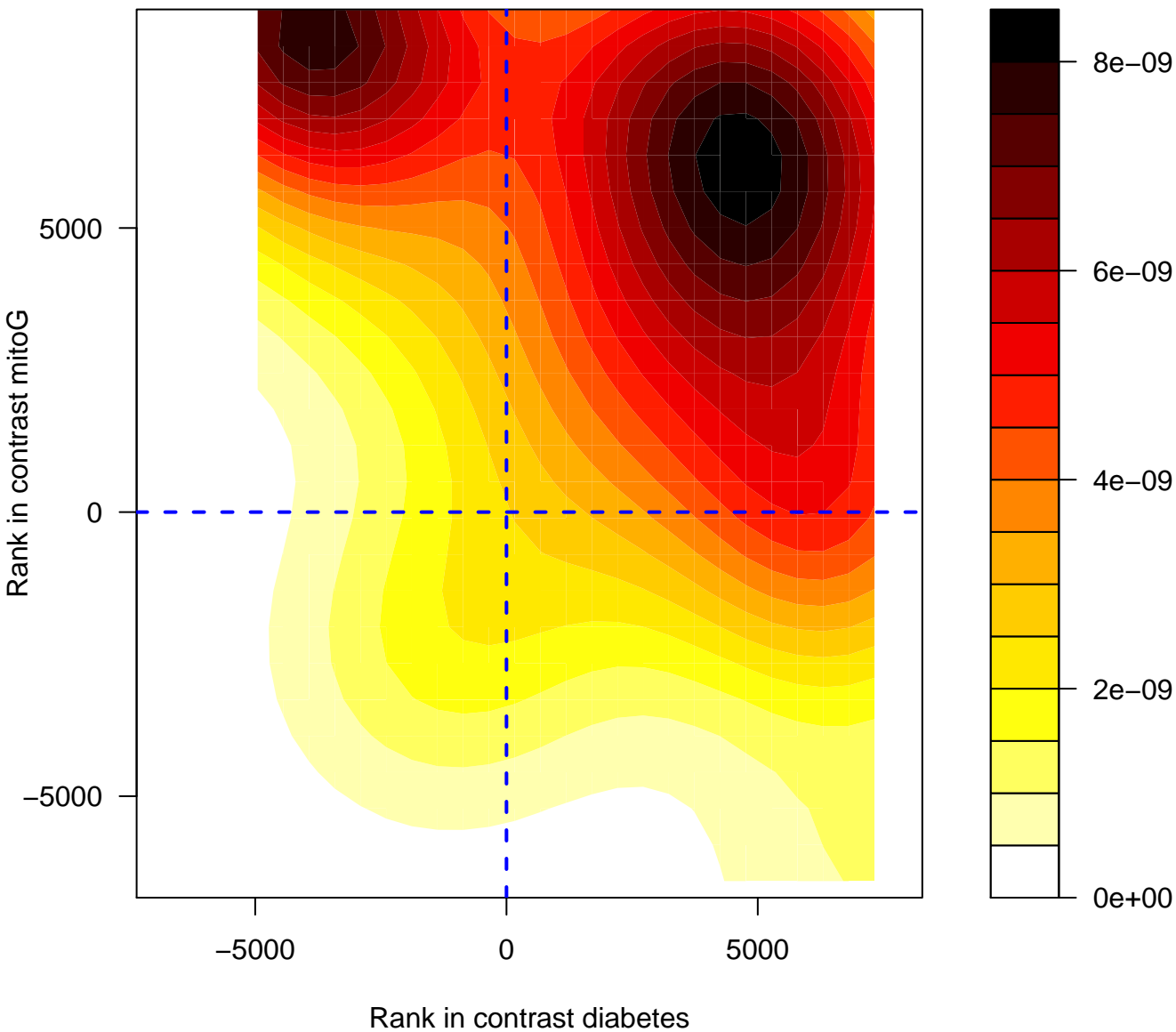
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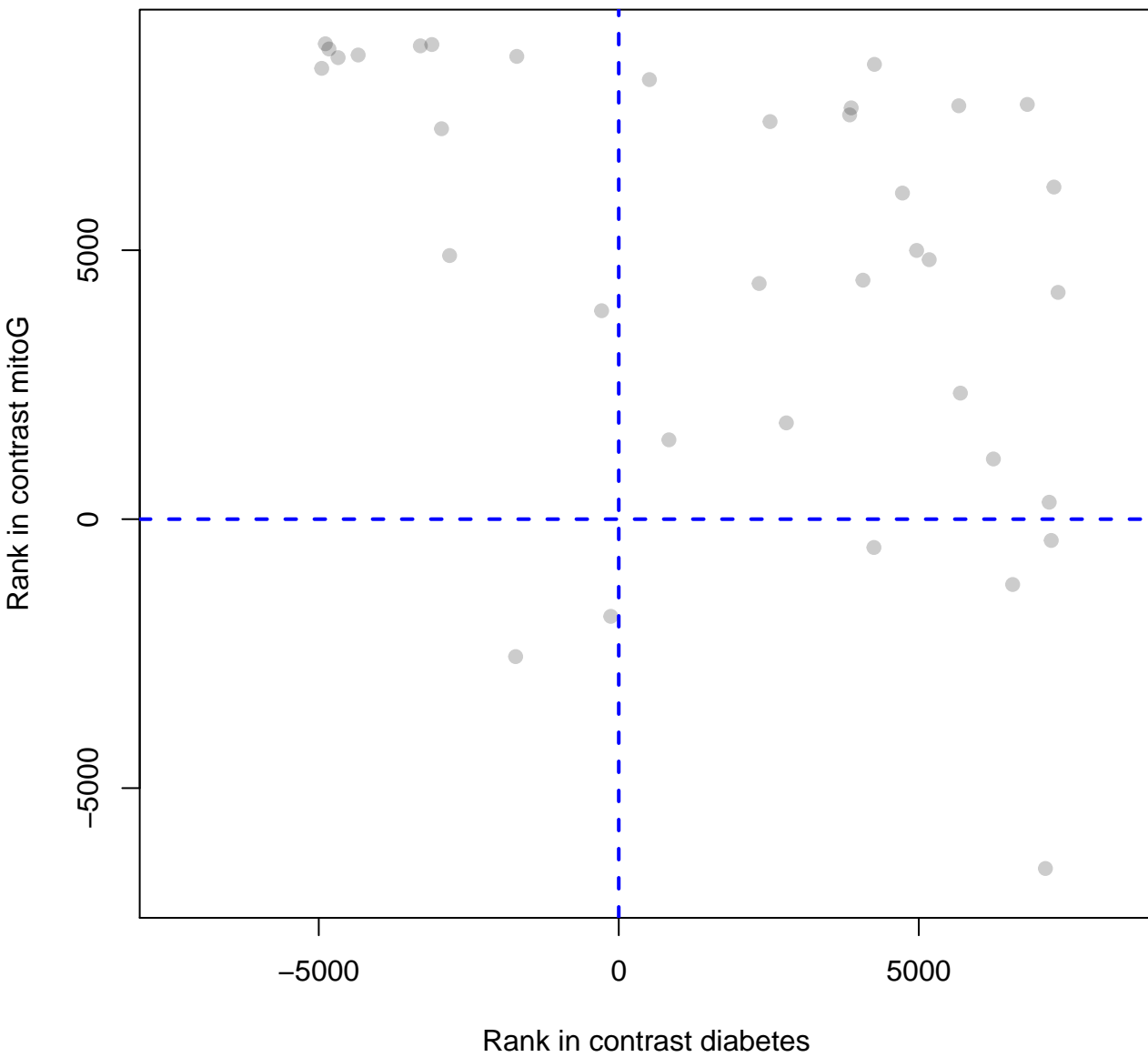


formation of the ternary complex, and subsequently, the 43S c

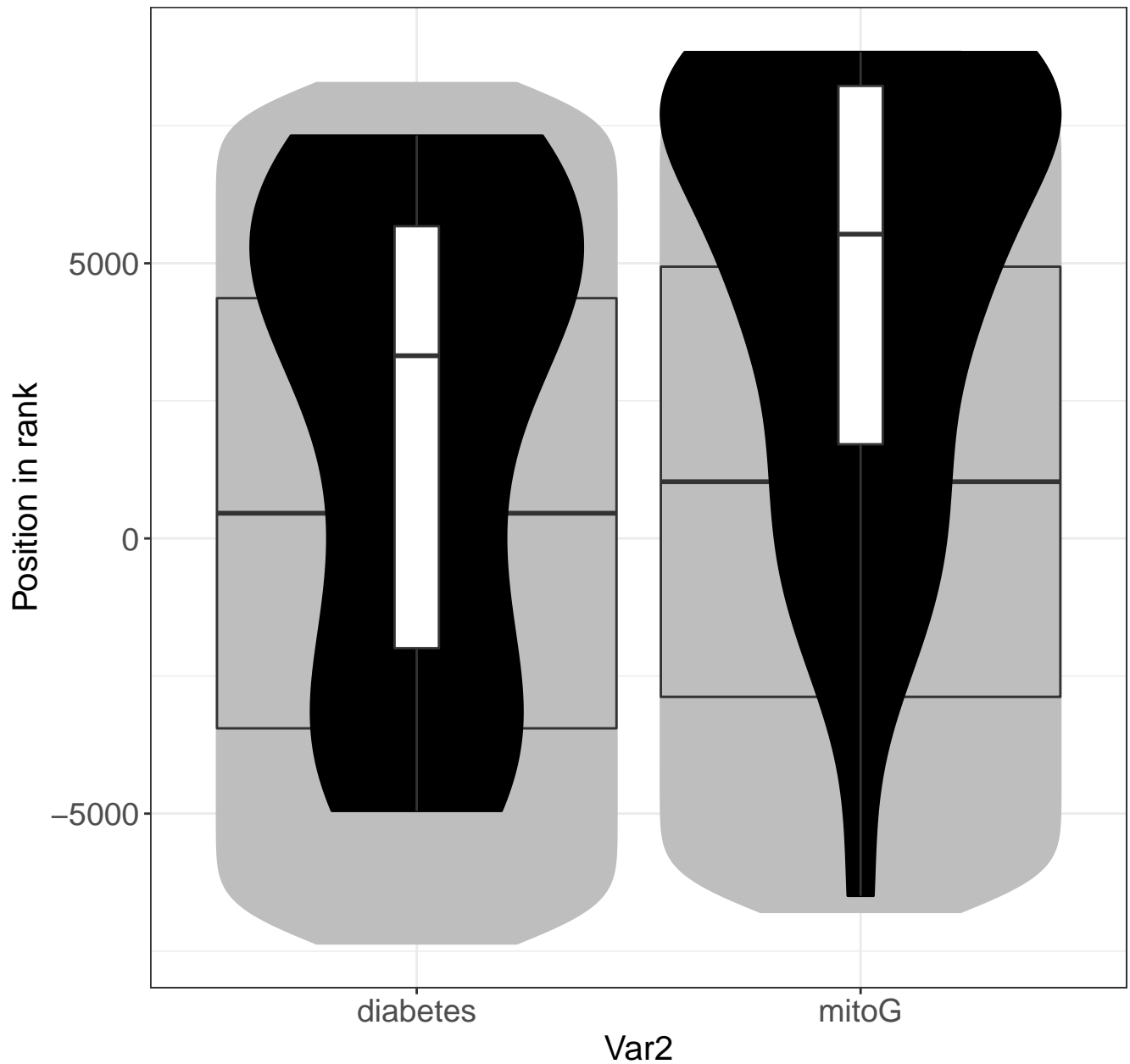




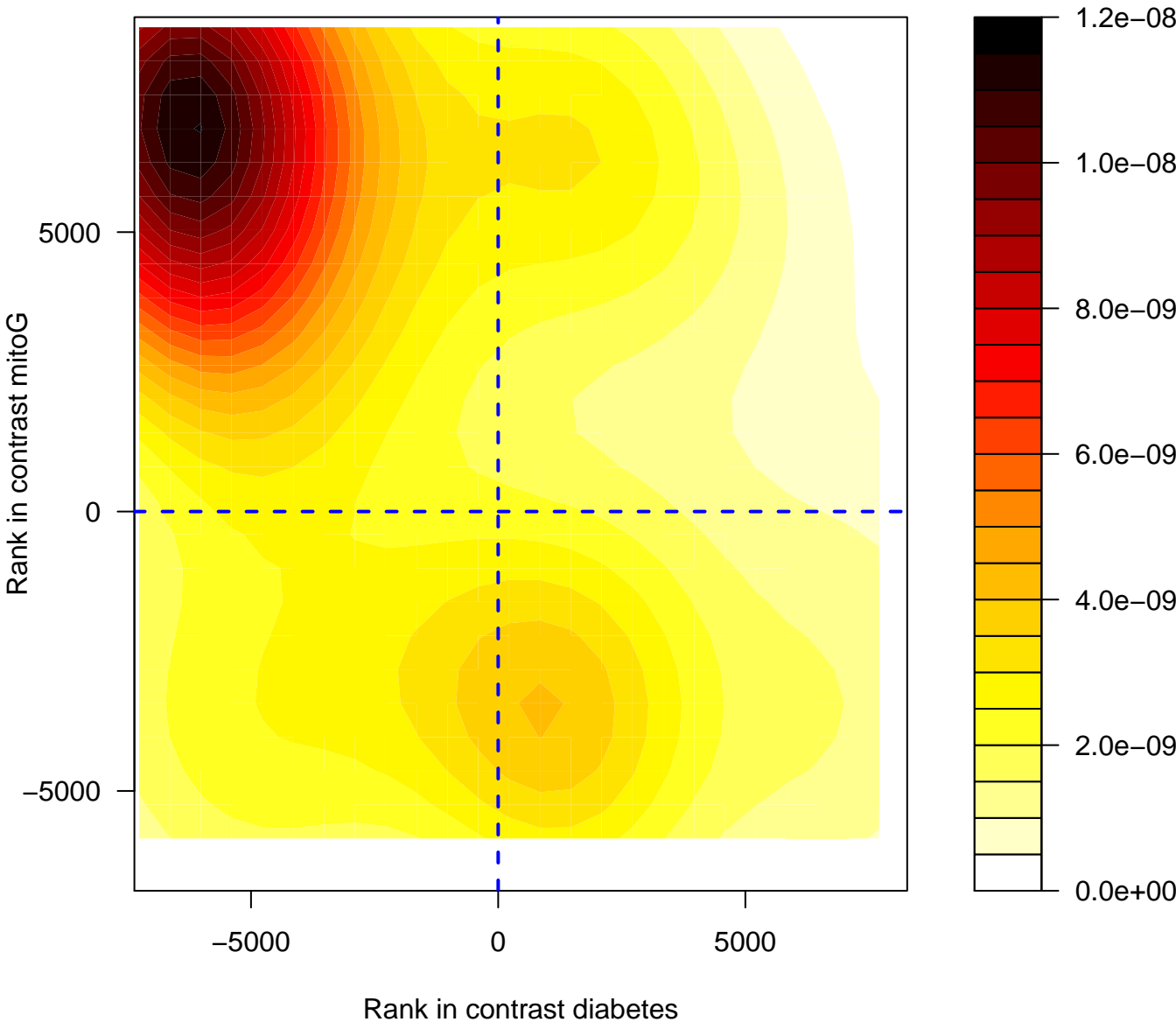
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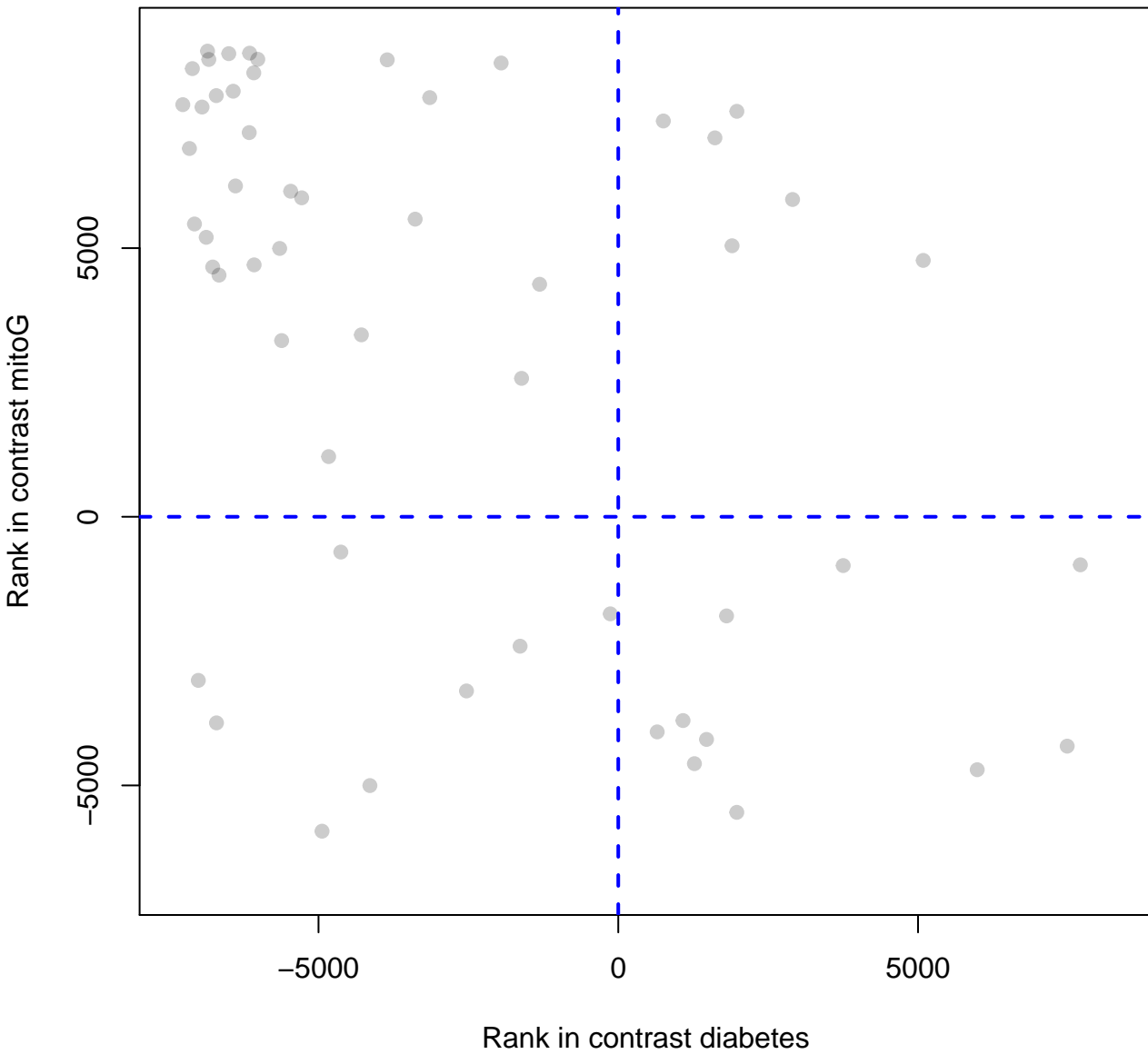
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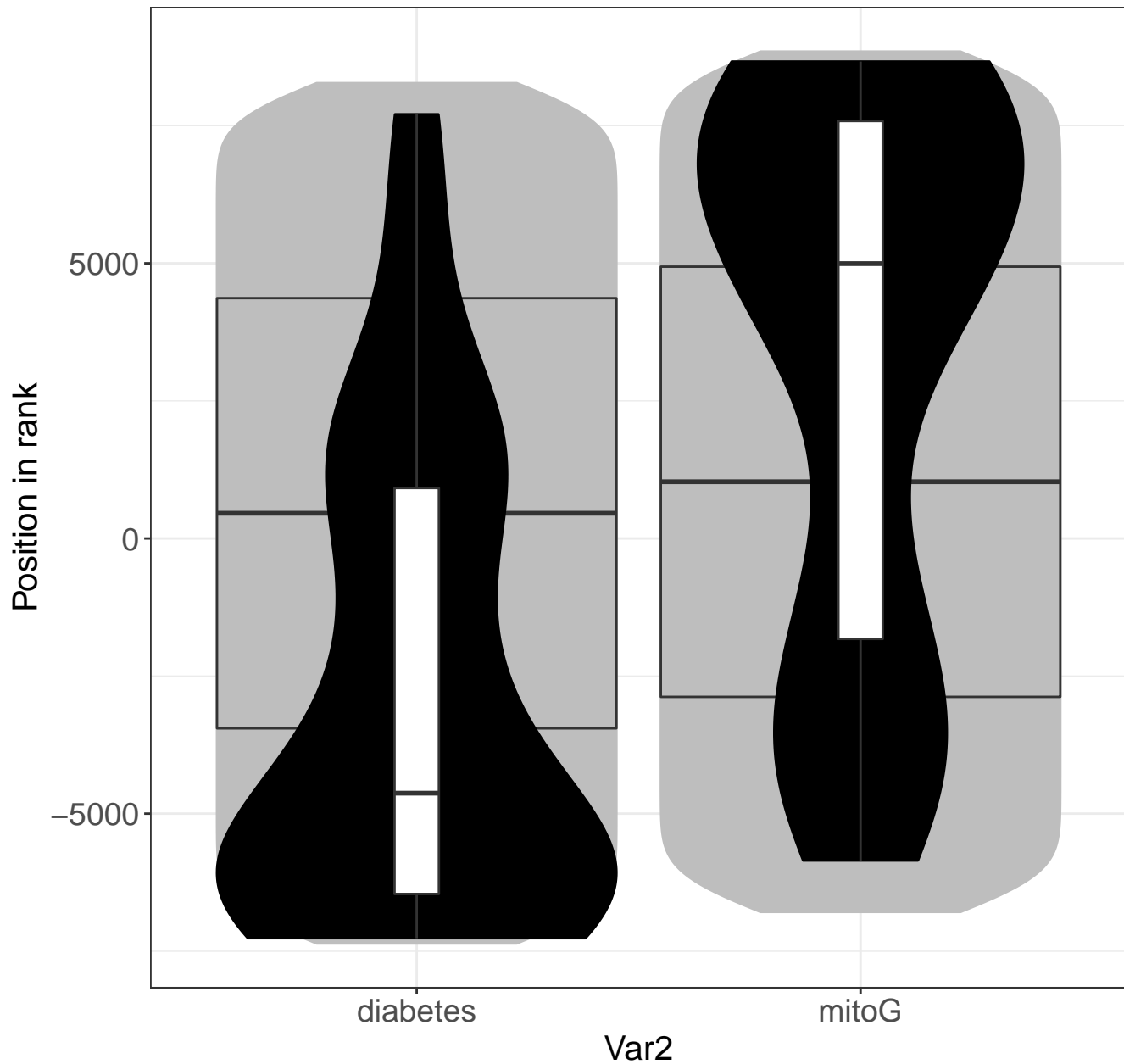
stantants that don't undergo autocatalytic processing are degraded



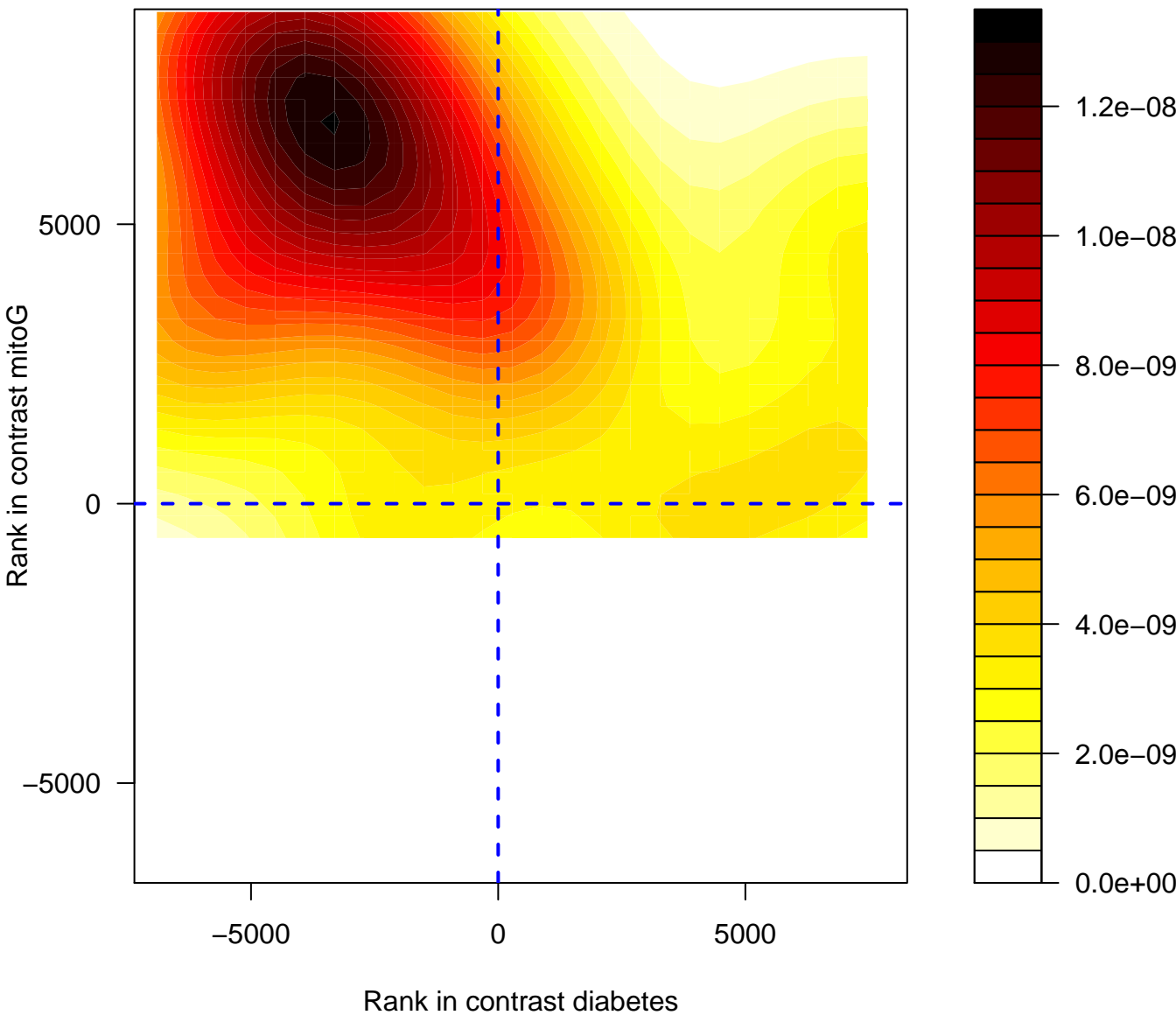
Hh mutants that don't undergo autocatalytic processing are degraded by EF



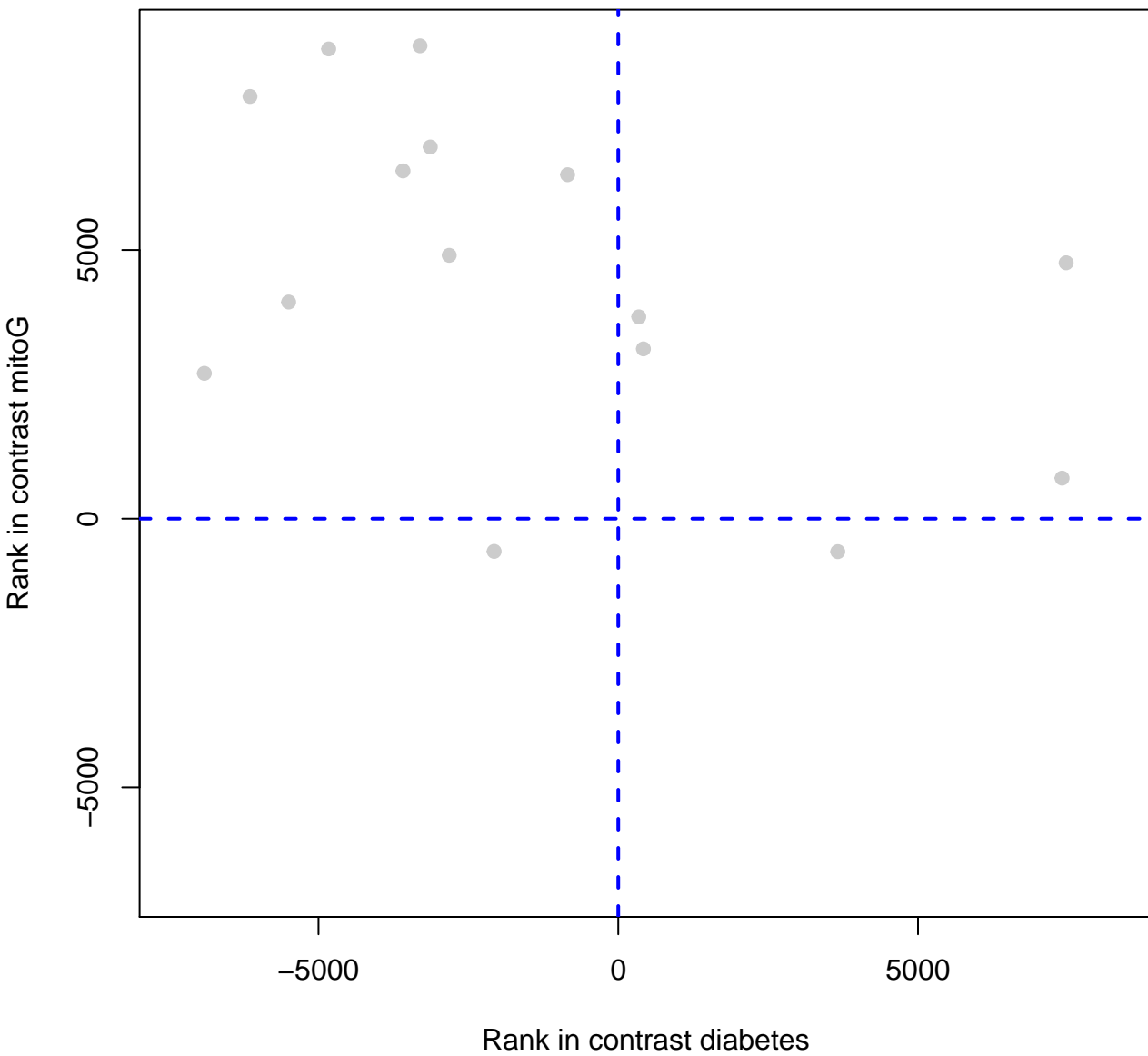
# Hh mutants that don't undergo autocatalytic proce



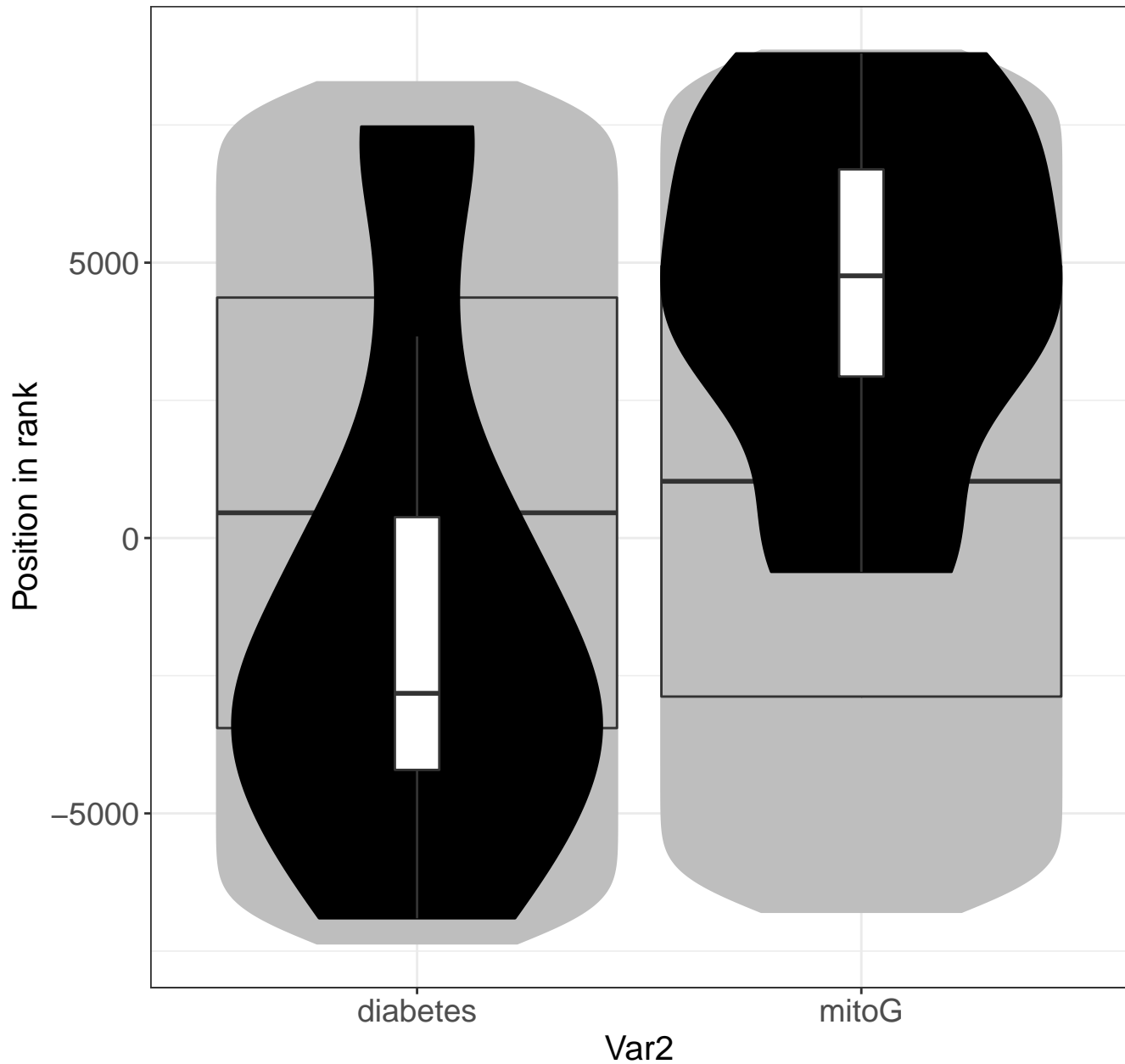
# Response of EIF2AK1 (HRI) to heme deficiency



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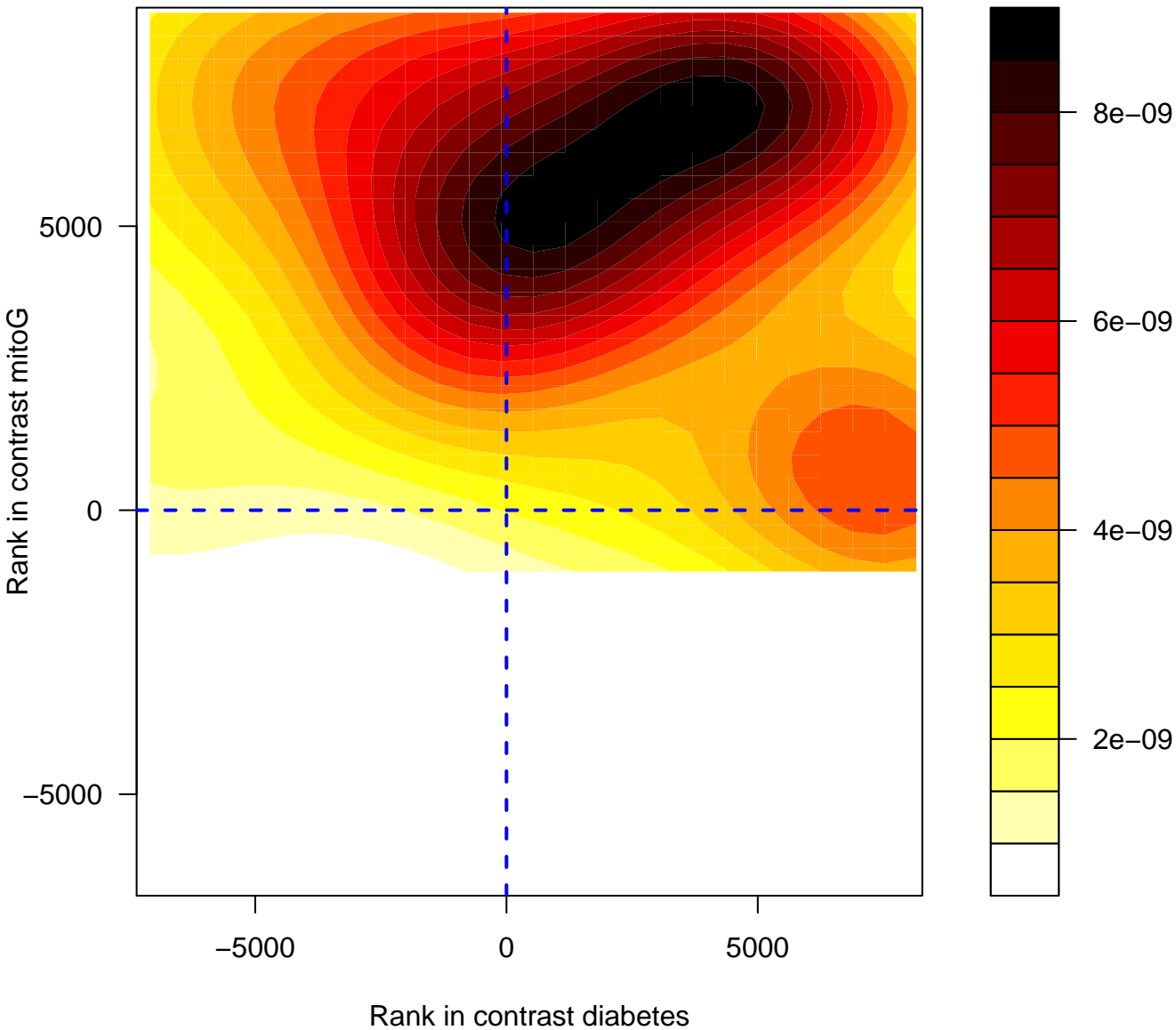


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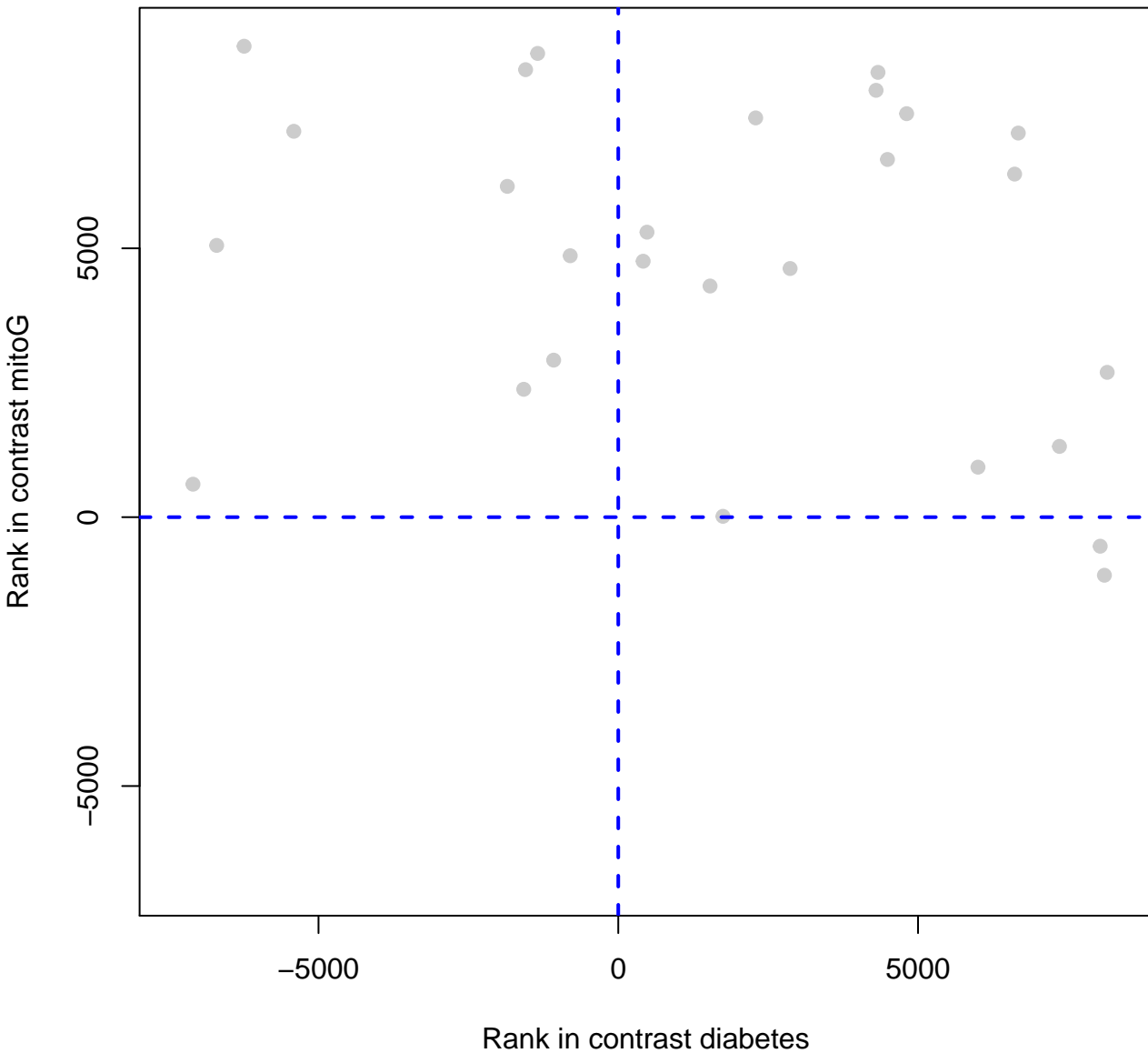




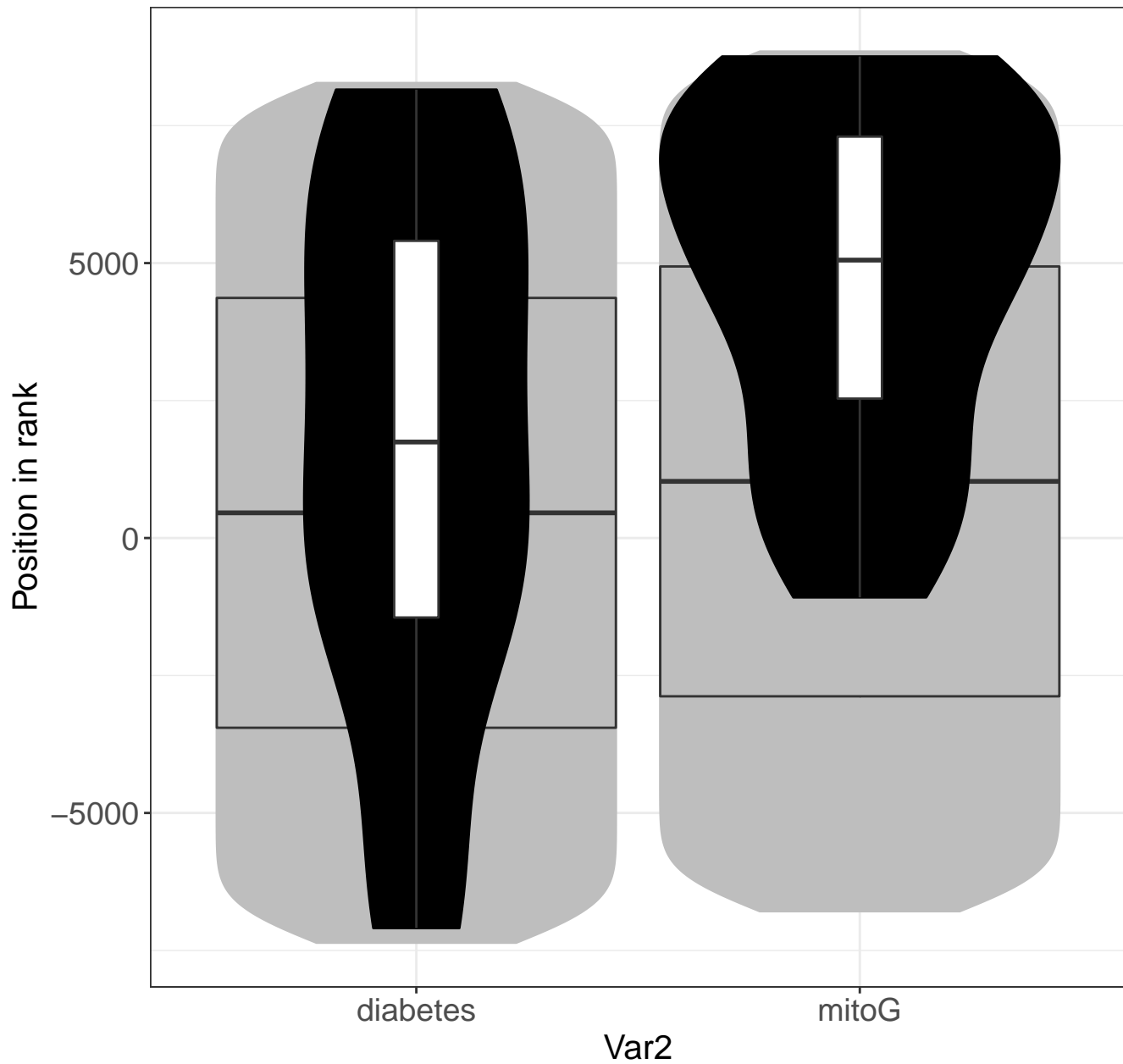
# Molecules associated with elastic fibres



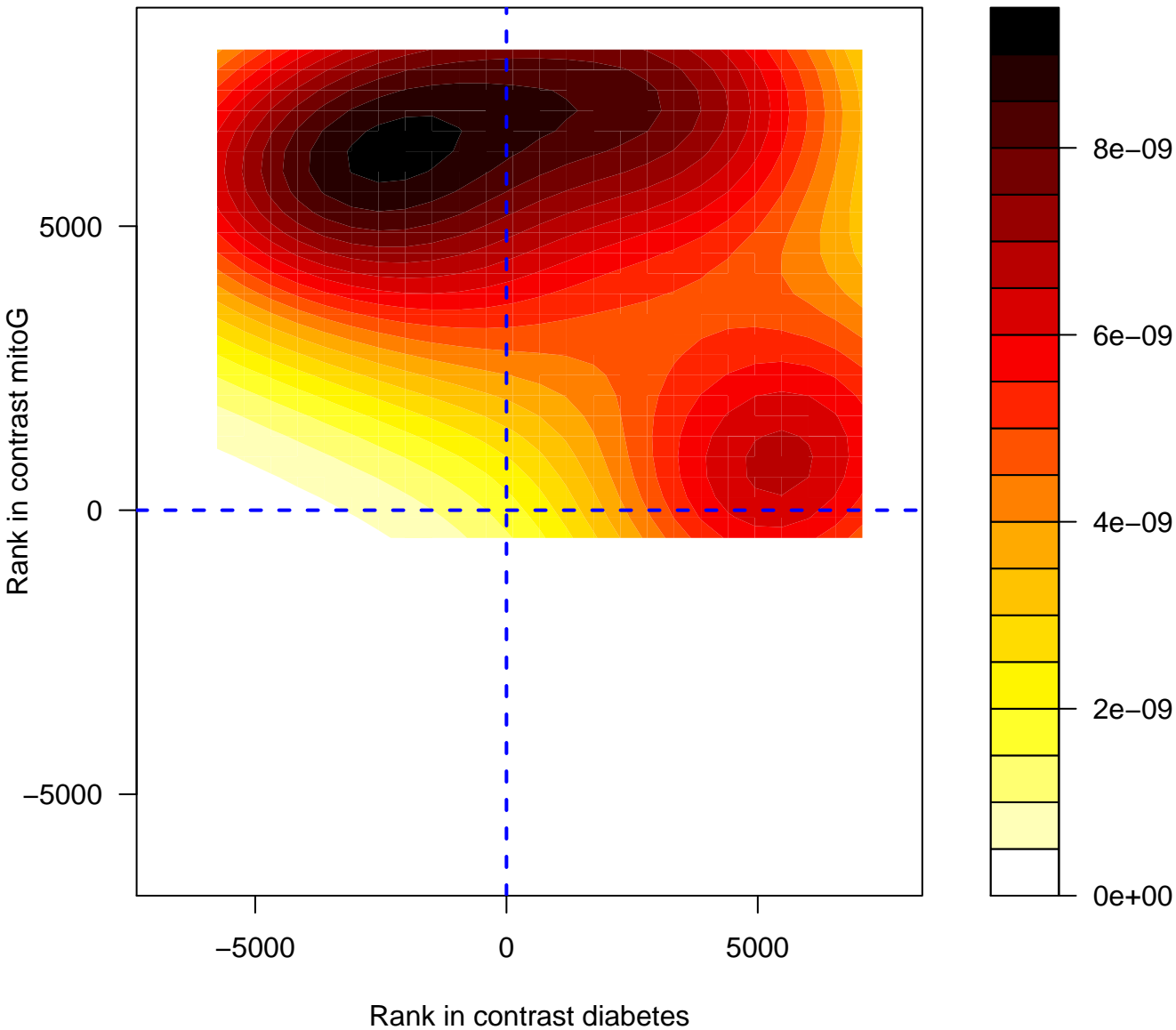
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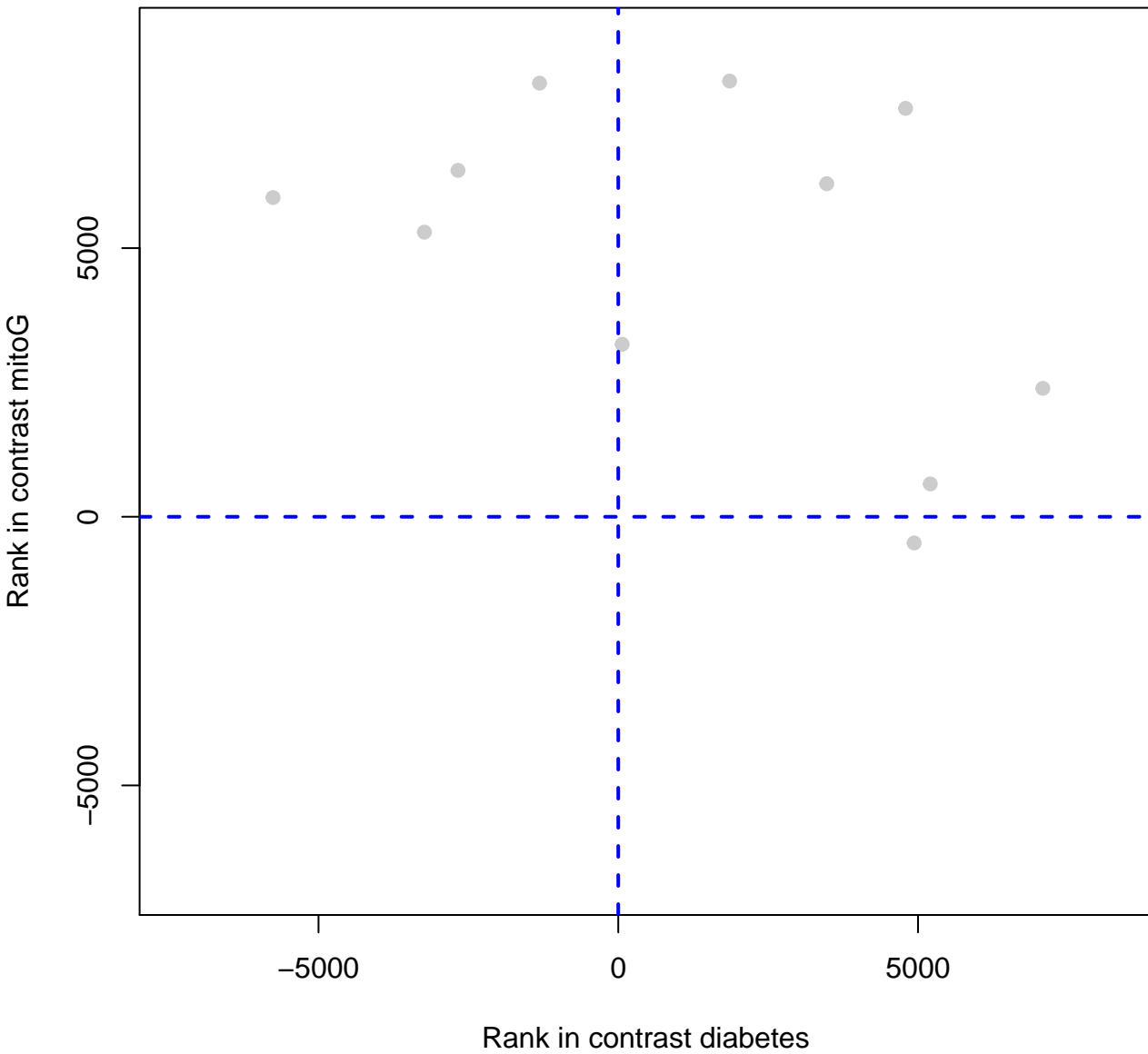
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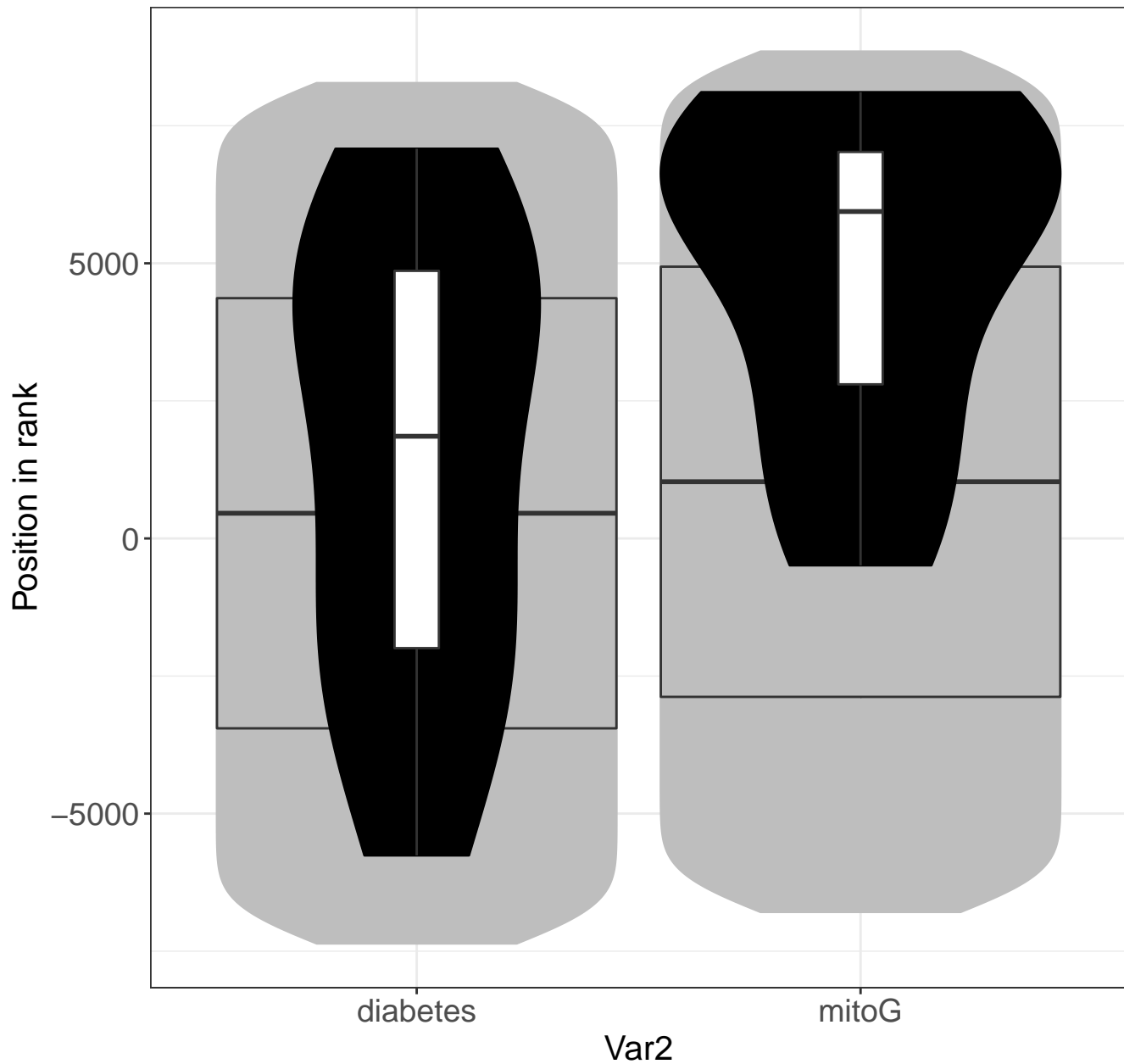
# CDC6 association with the ORC:origin complex



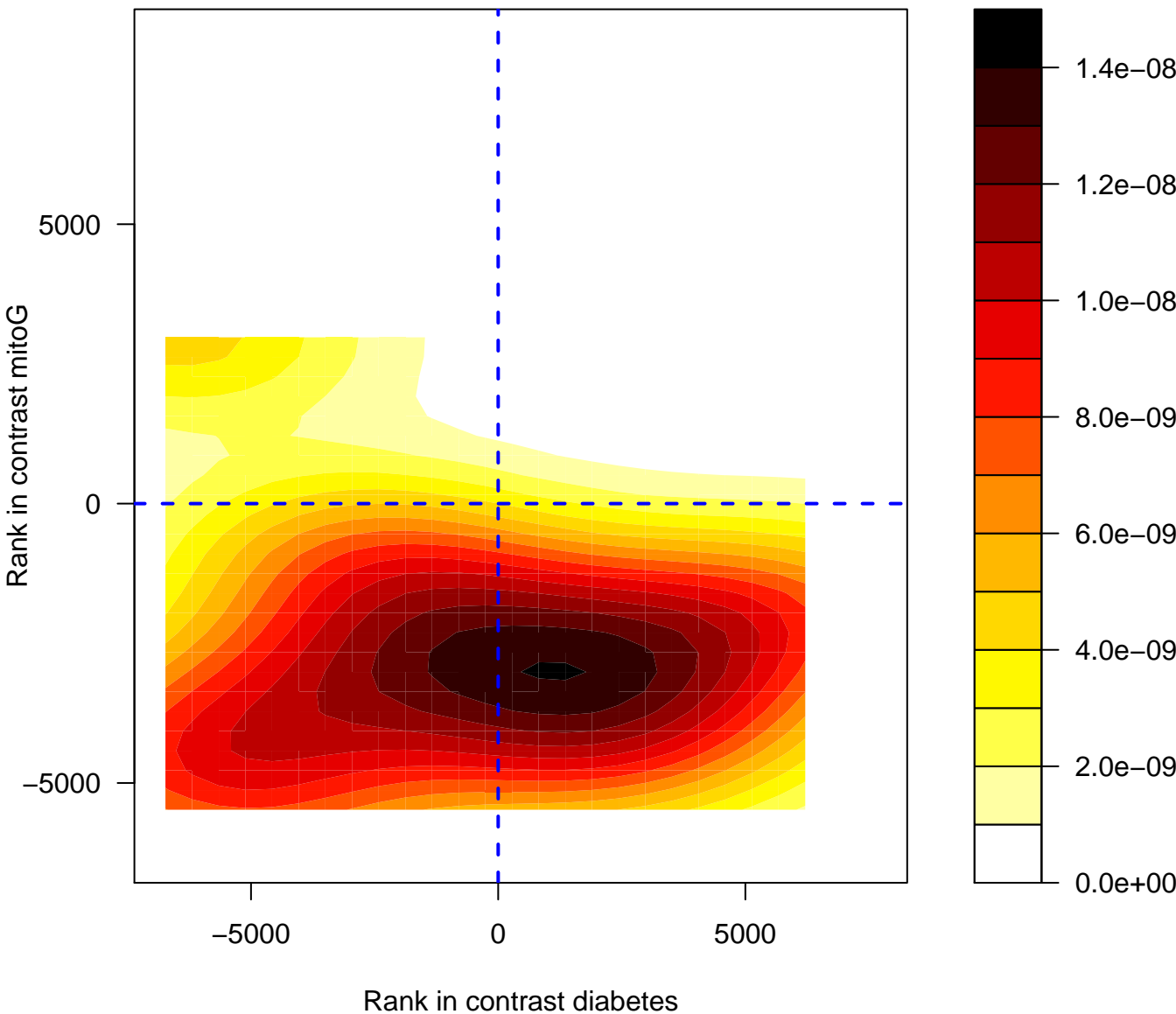
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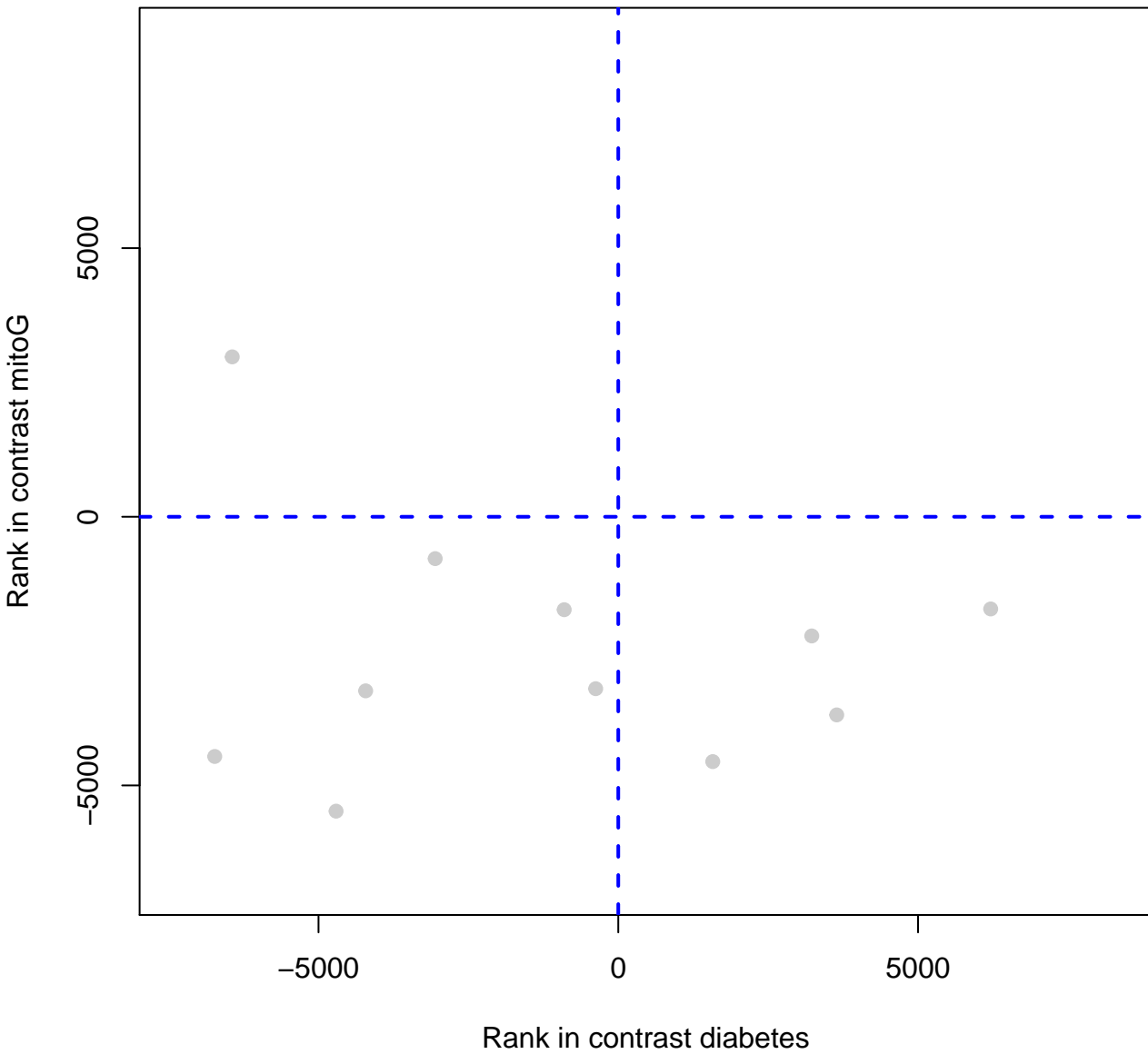
# CDC6 association with the ORC:origin complex



# Acetylcholine binding and downstream events

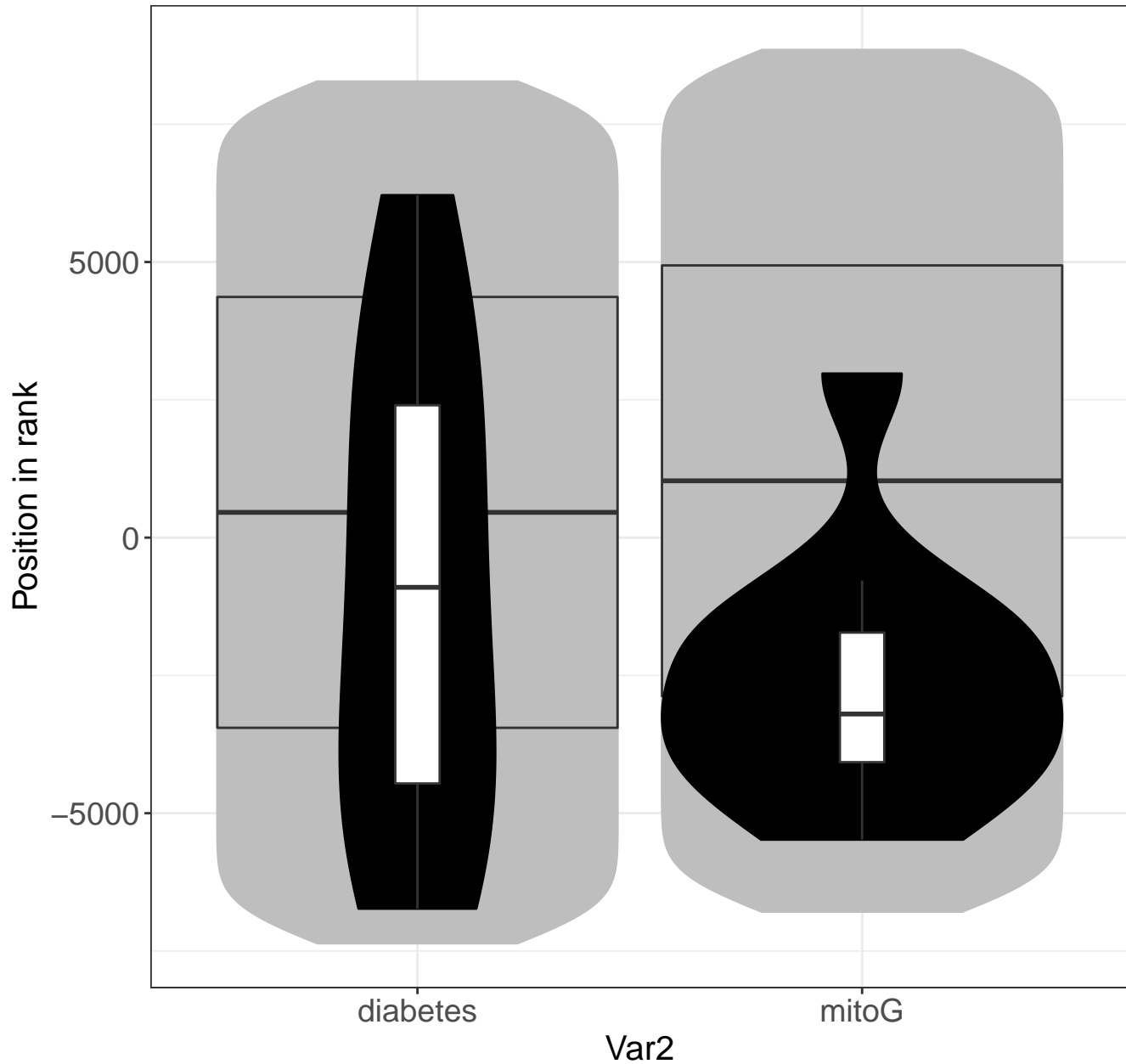


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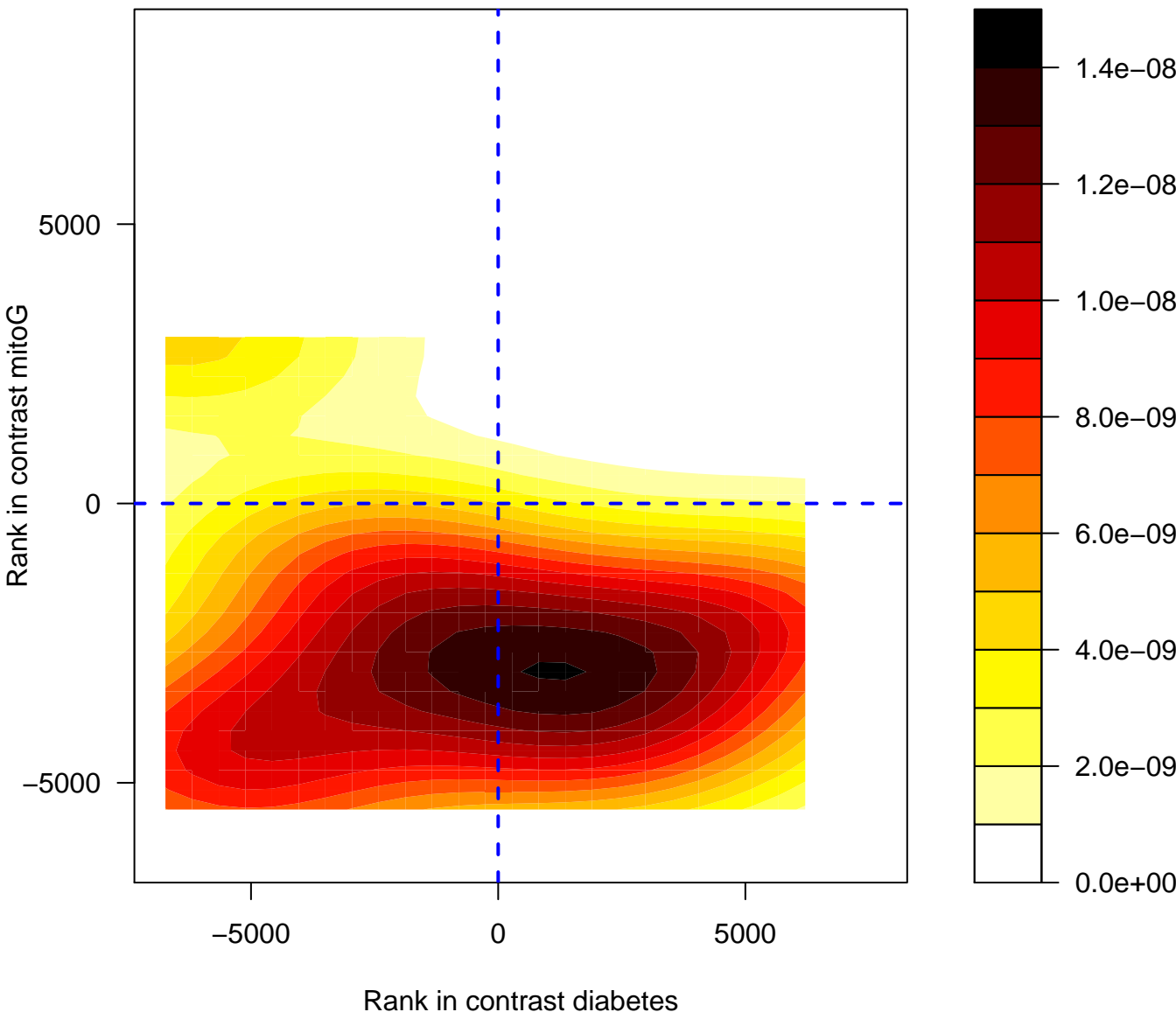




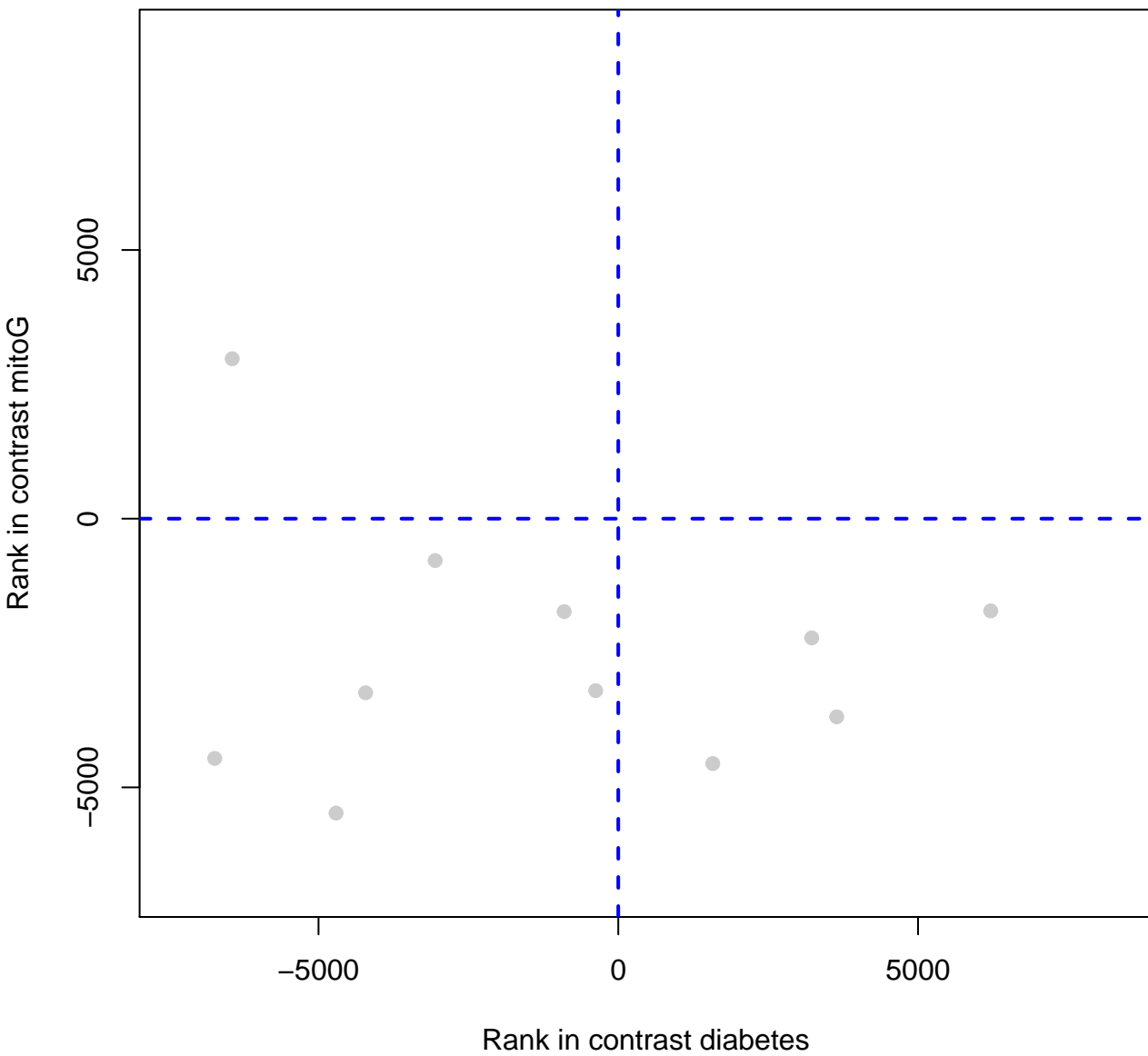
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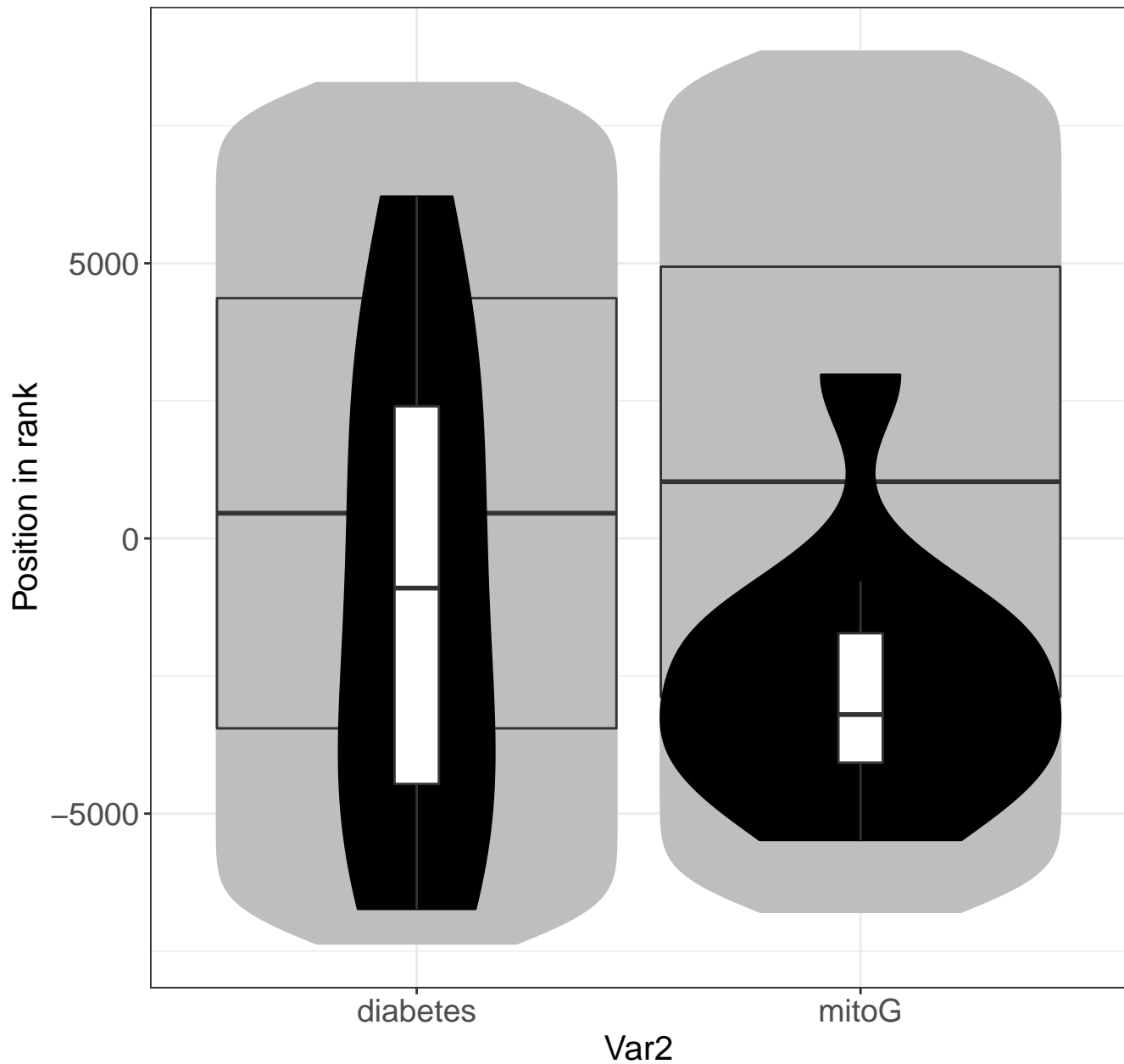
# Postsynaptic nicotinic acetylcholine receptors



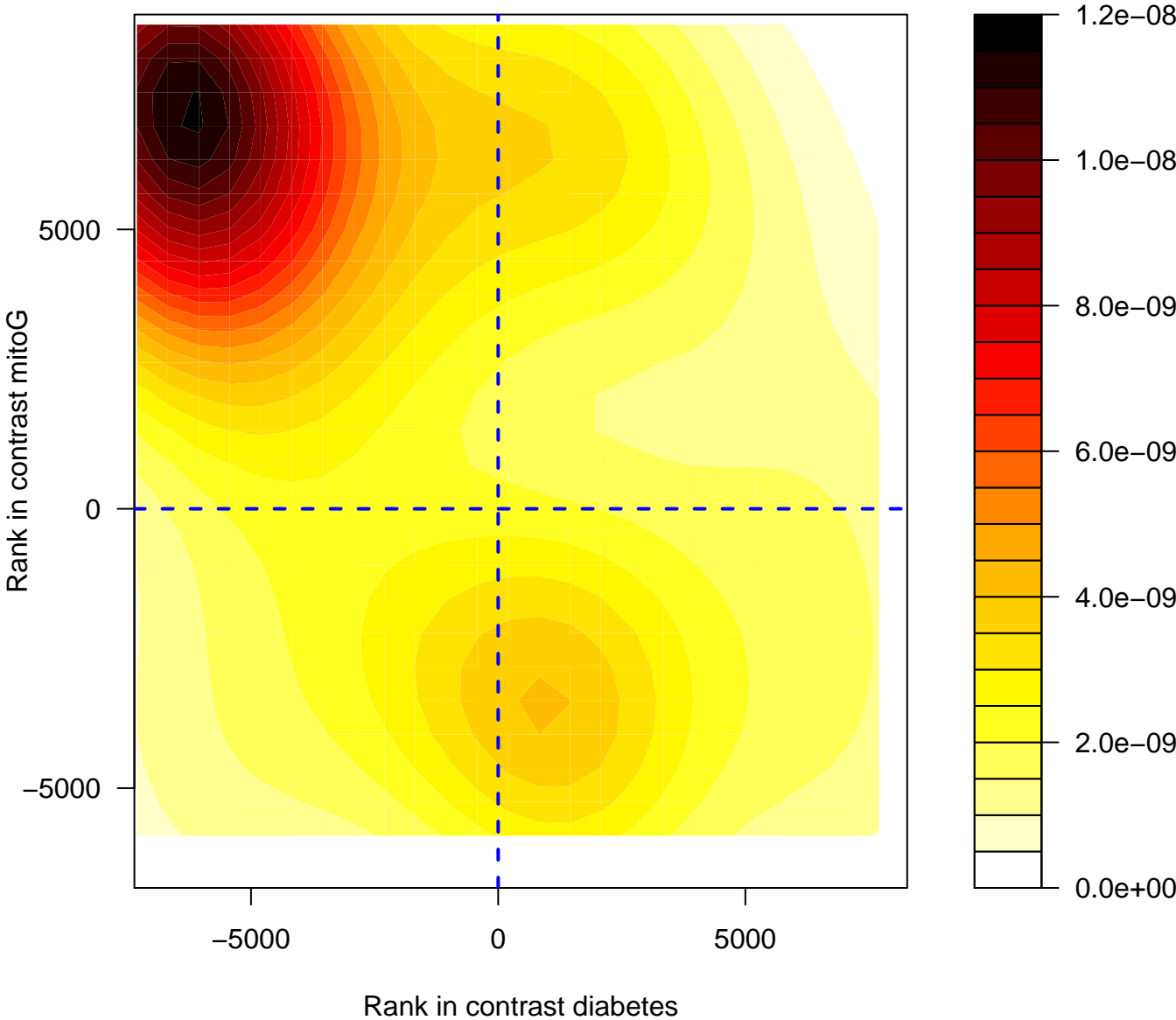
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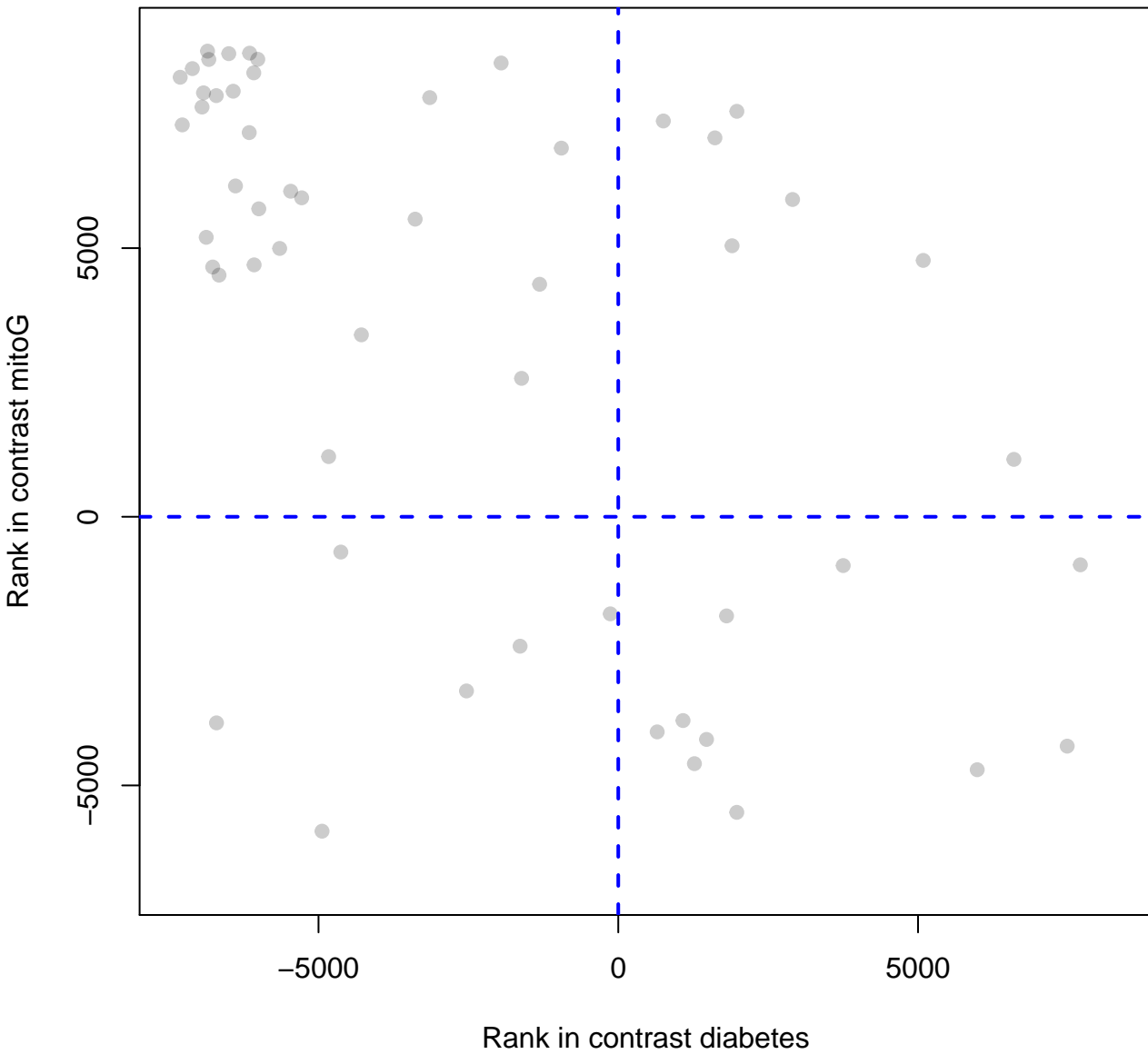
# Postsynaptic nicotinic acetylcholine receptors



# AUF1 (hnRNP D0) binds and destabilizes mRNA



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