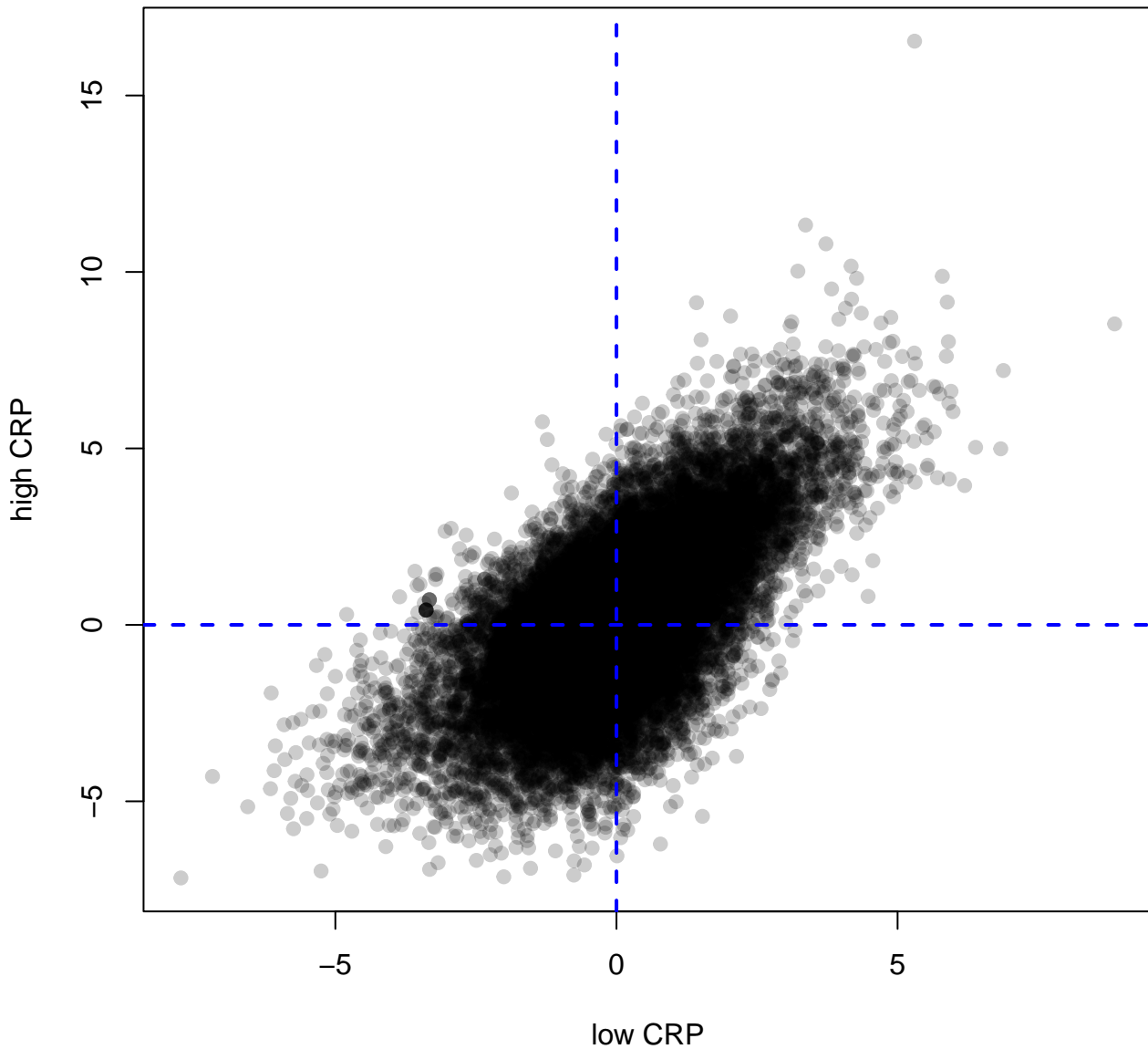
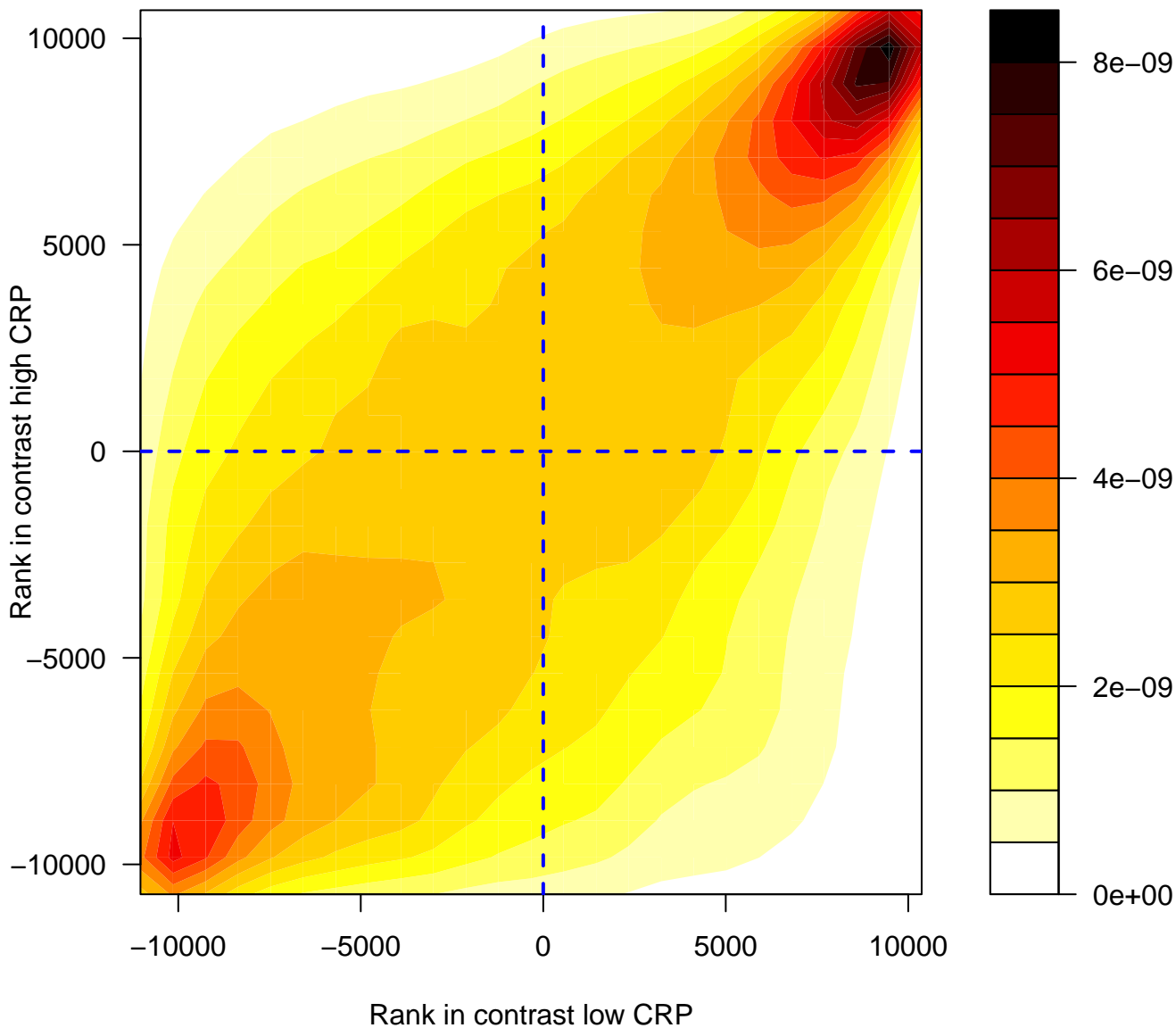


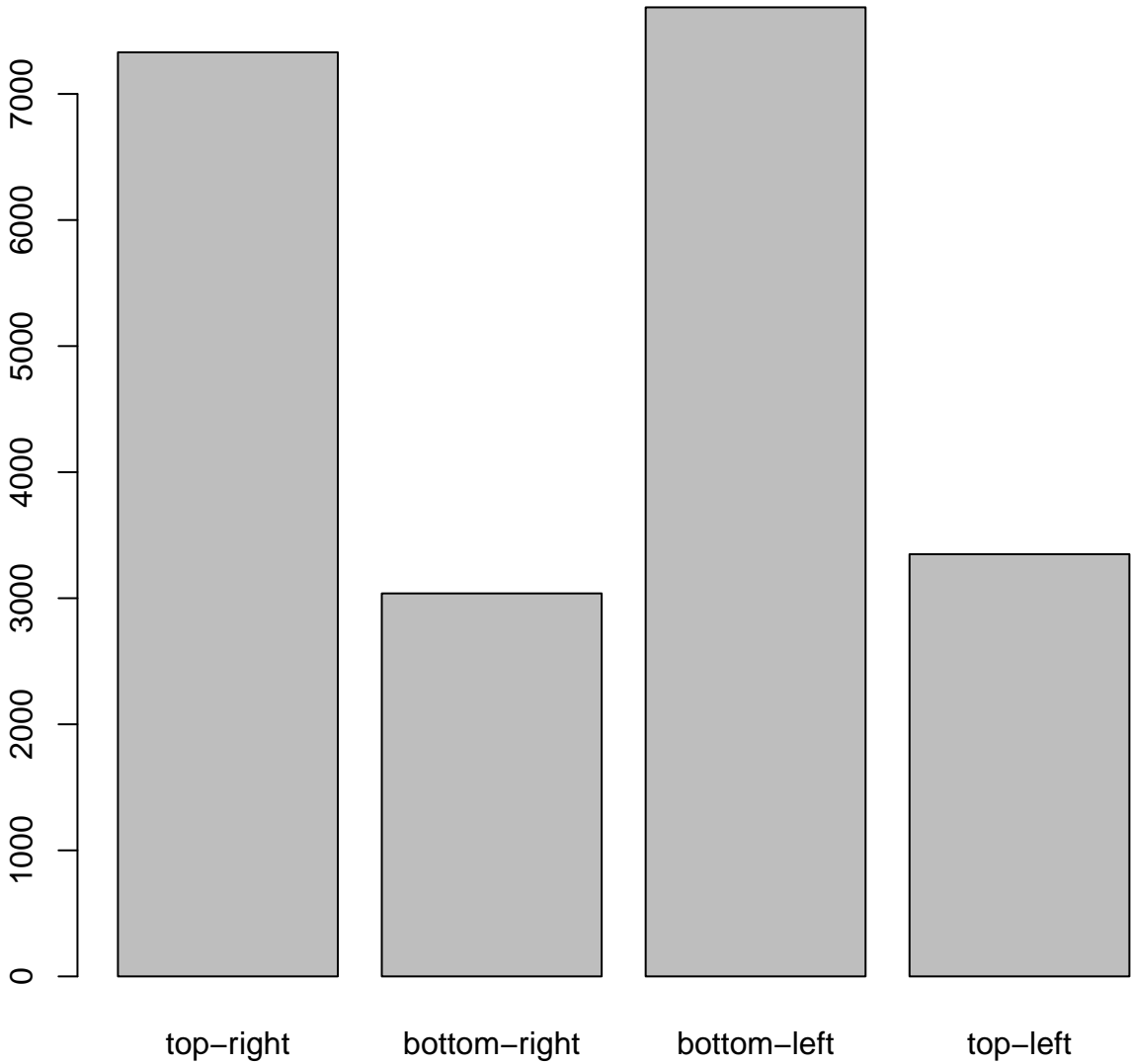
# Scatterplot of all genes



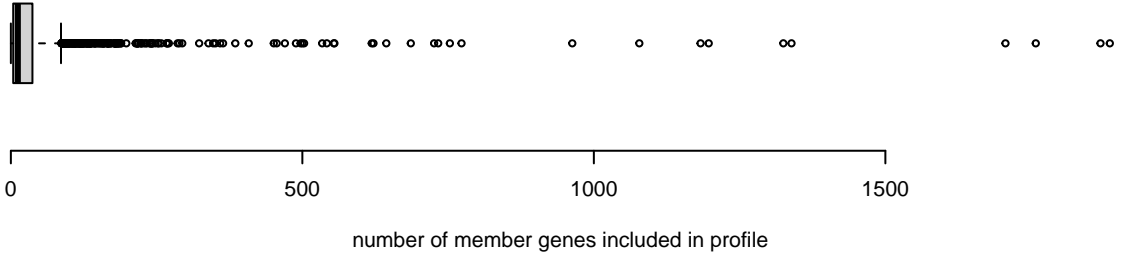
# Rank-rank plot of all genes



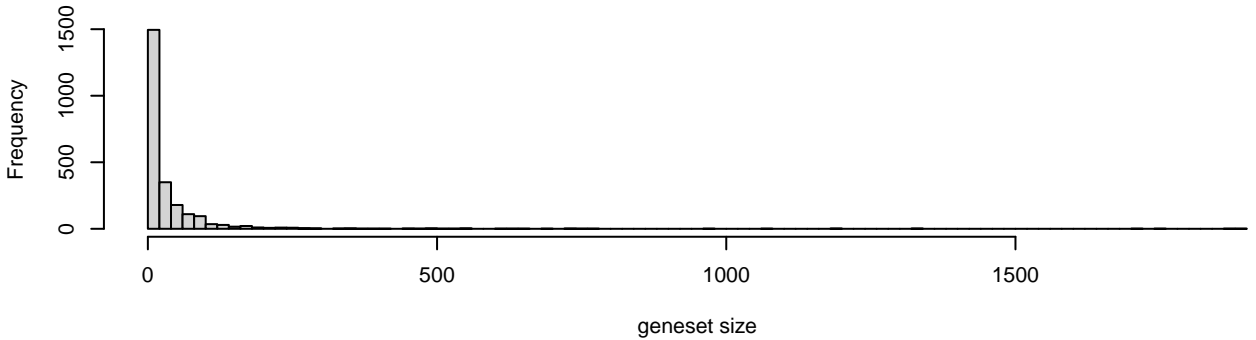
# number of genes in each quadrant



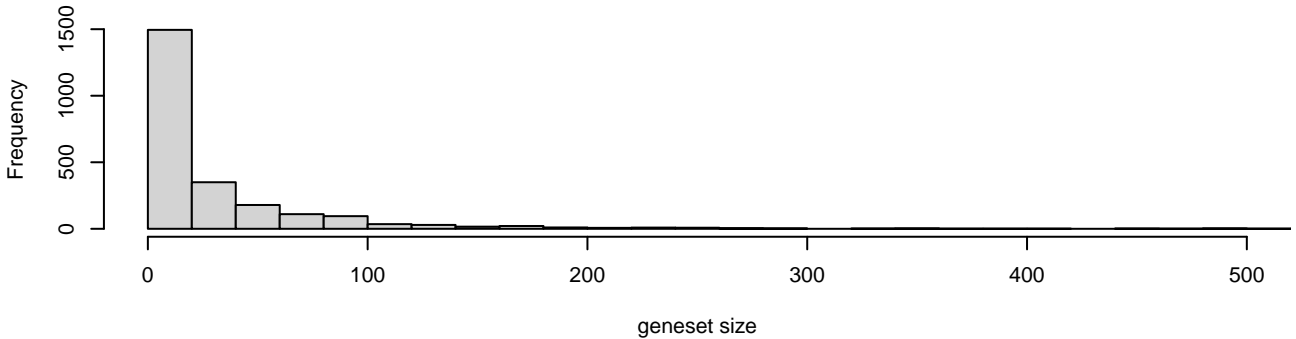
### Gene set size



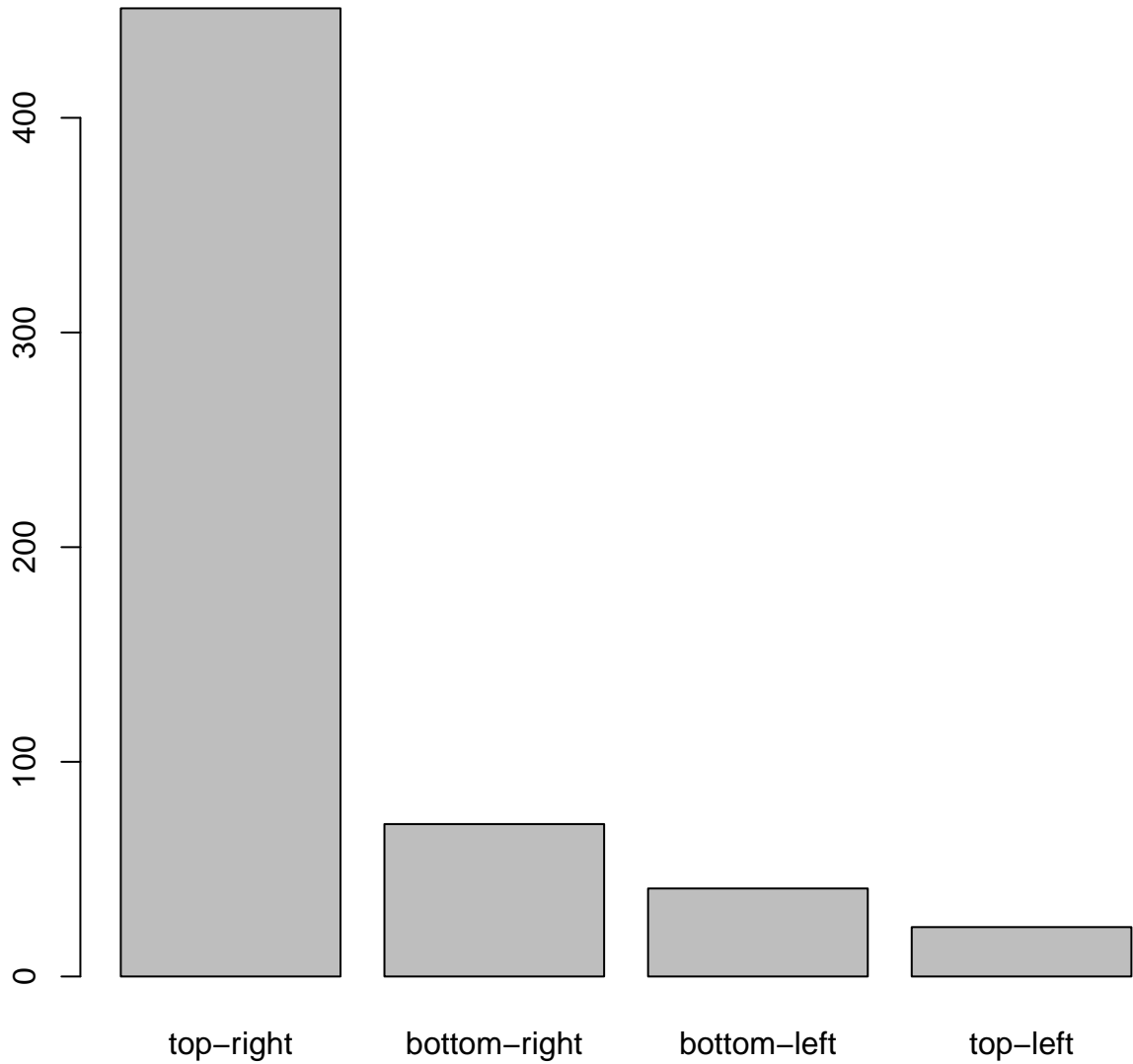
### Histogram of geneset size



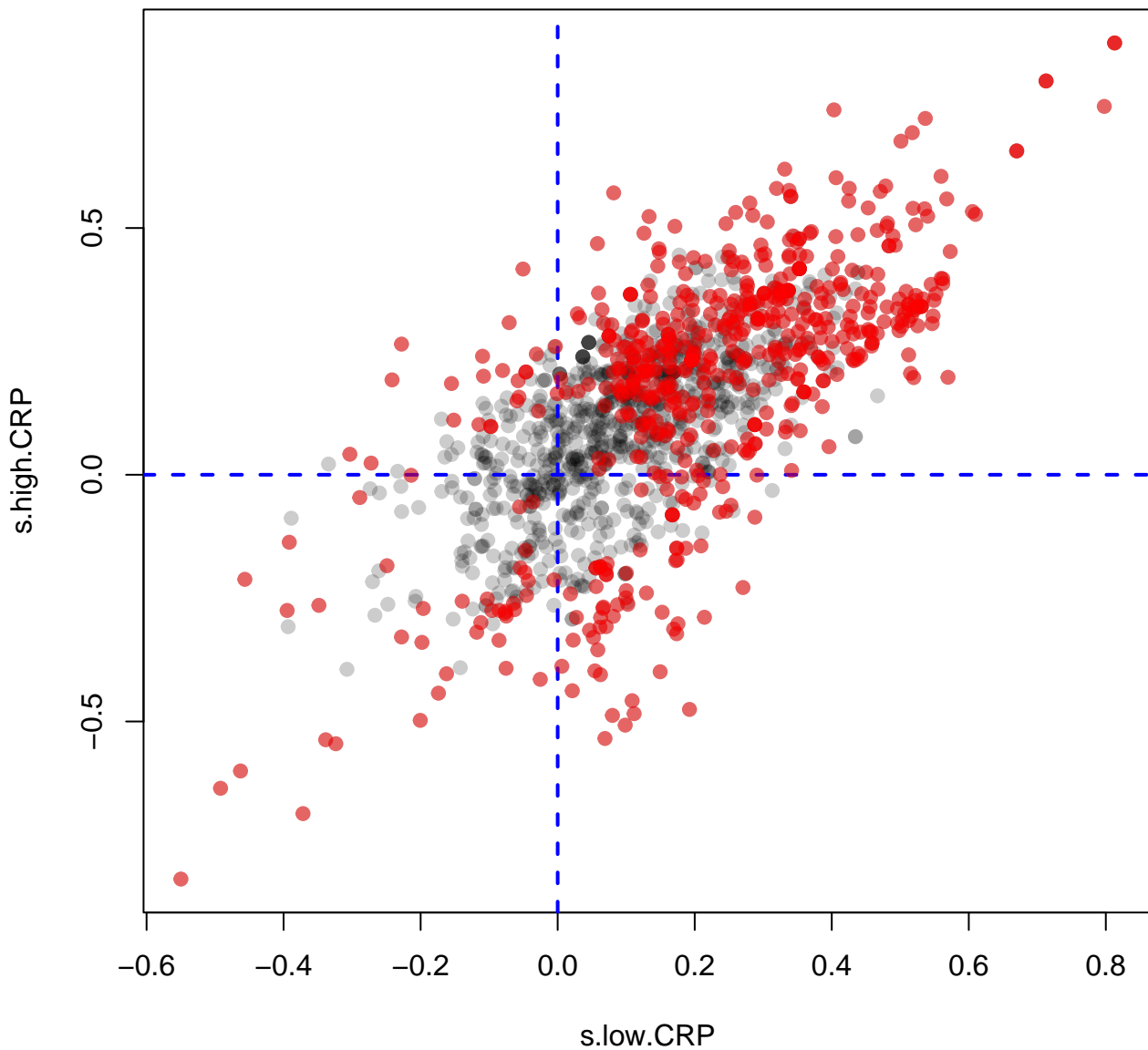
### Trimmed histogram of geneset size



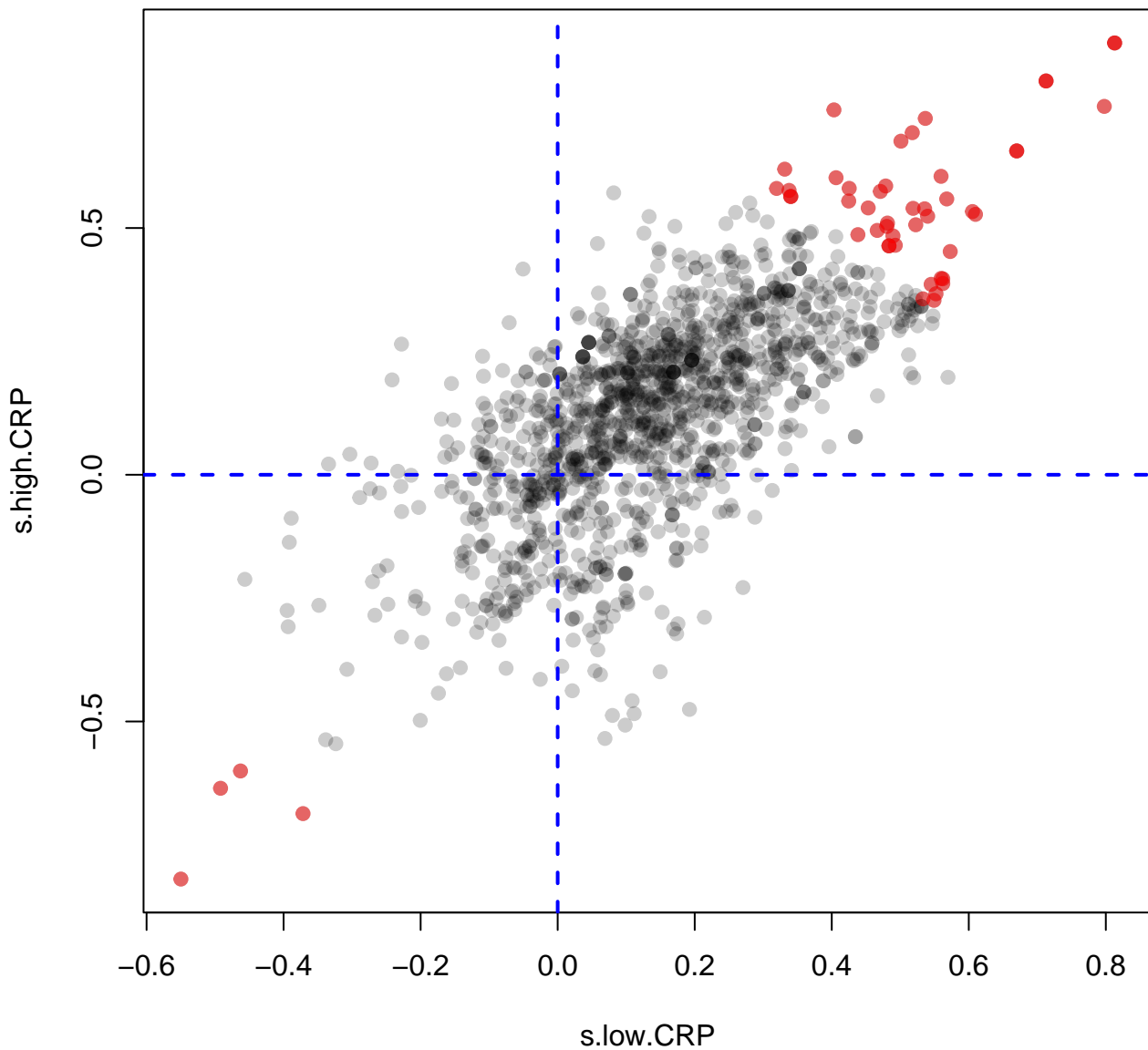
# number of genesets FDR<0.05



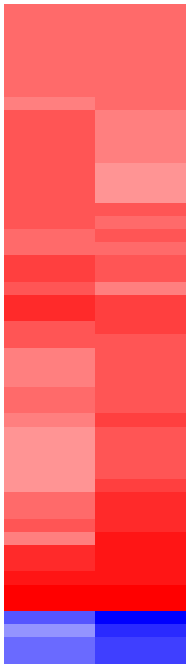
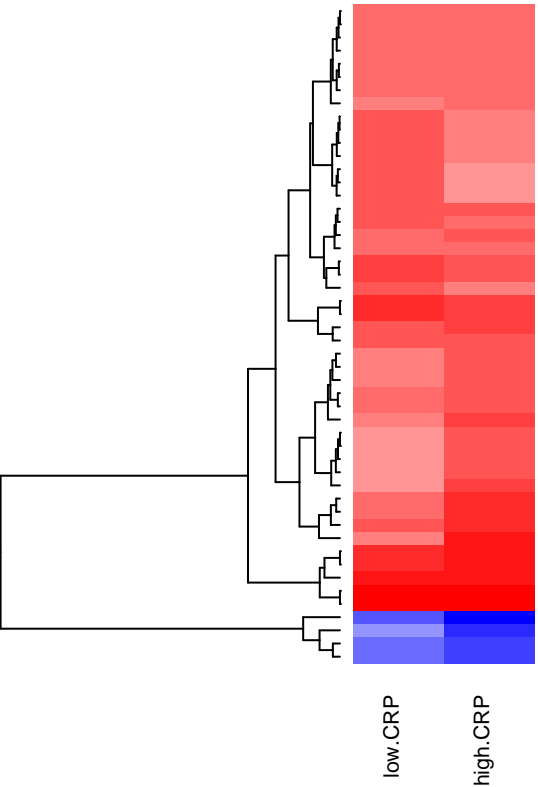
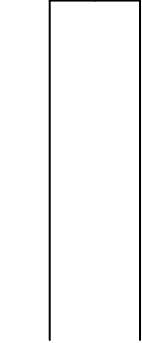
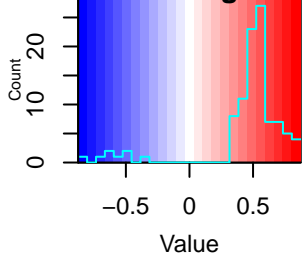
Scatterplot of all gene sets; FDR<0.05 in red



Scatterplot of all gene sets; top 50 in red



# Color Key and Histogram



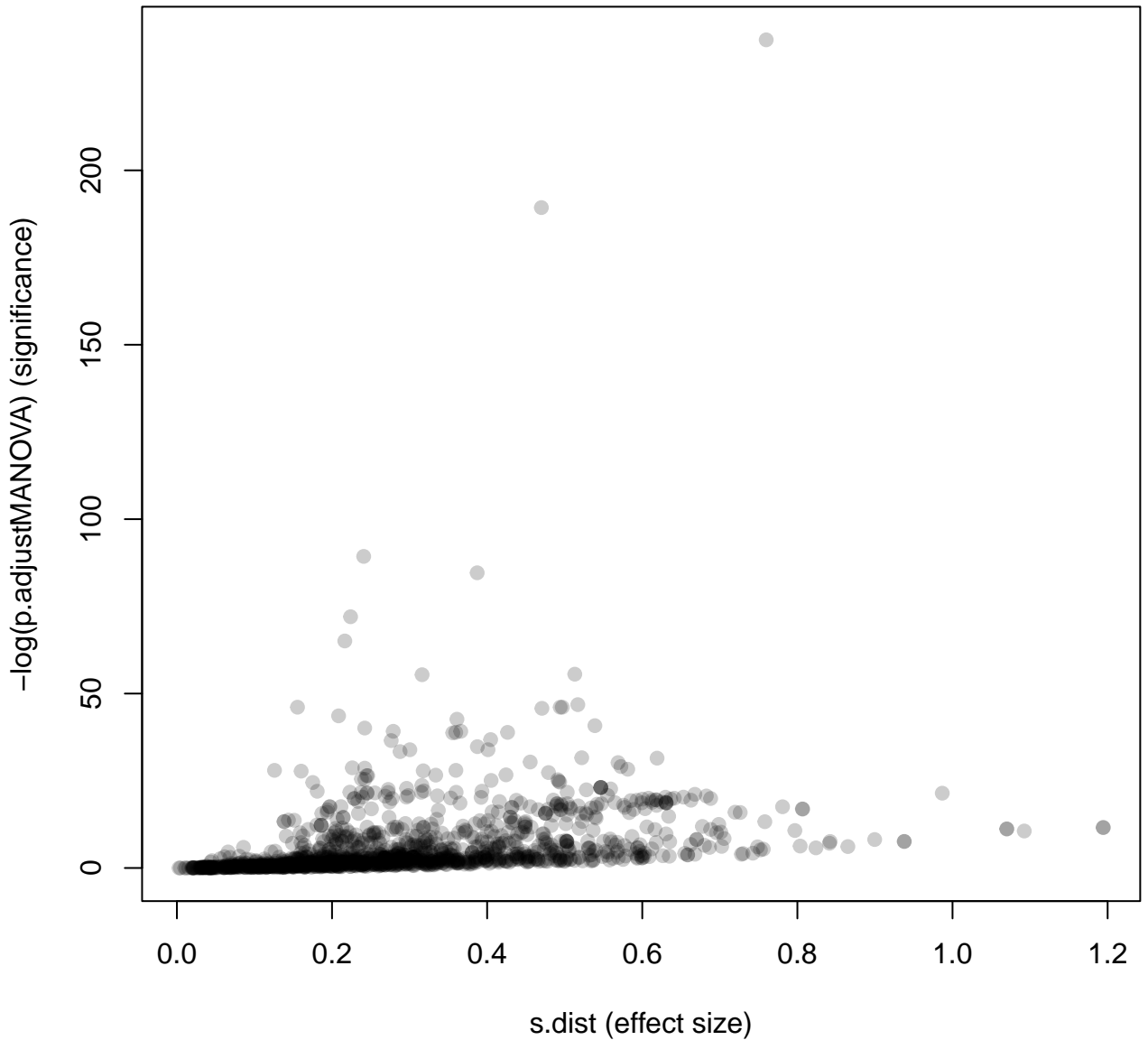
low.CRP

high.CRP

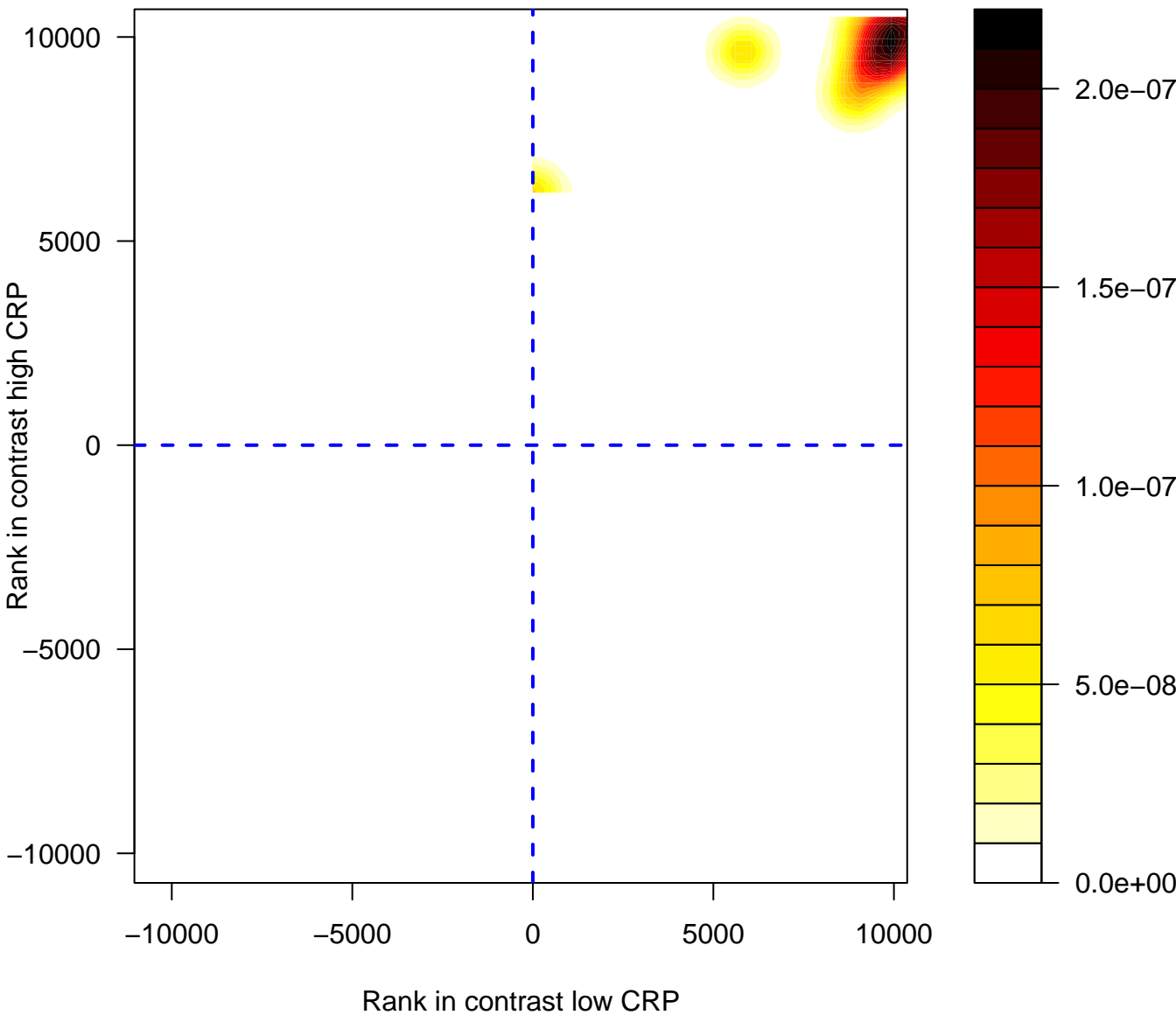
- Diseases associated with the TLR signaling cascade
- Endosomal Sorting Complex Required For Transport (ESCRT)
- Budding and maturation of HIV virion
- Pentose phosphate pathway
- The NLRP3 inflammasome
- Hh mutants that don't undergo autocatalytic processing are degraded by ERAD
- Regulation of Apoptosis
- Neutrophil degranulation
- Golgi Cisternae Pericentriolar Stack Reorganization
- Detoxification of Reactive Oxygen Species
- HuR (ELAVL1) binds and stabilizes mRNA
- Erythrocytes take up carbon dioxide and release oxygen
- Insulin receptor recycling
- Cargo concentration in the ER
- Dissolution of Fibrin Clot
- COPI-independent Golgi-to-ER retrograde traffic
- IRAK1 recruits IKK complex
- Platelet sensitization by LDL
- Uptake and function of anthrax toxins
- Hyaluronan uptake and degradation
- alpha-linolenic acid (ALA) metabolism
- Regulation of TLR by endogenous ligand
- IRAK4 deficiency (TLR2/4)
- PD-1 signaling
- Unwinding of DNA



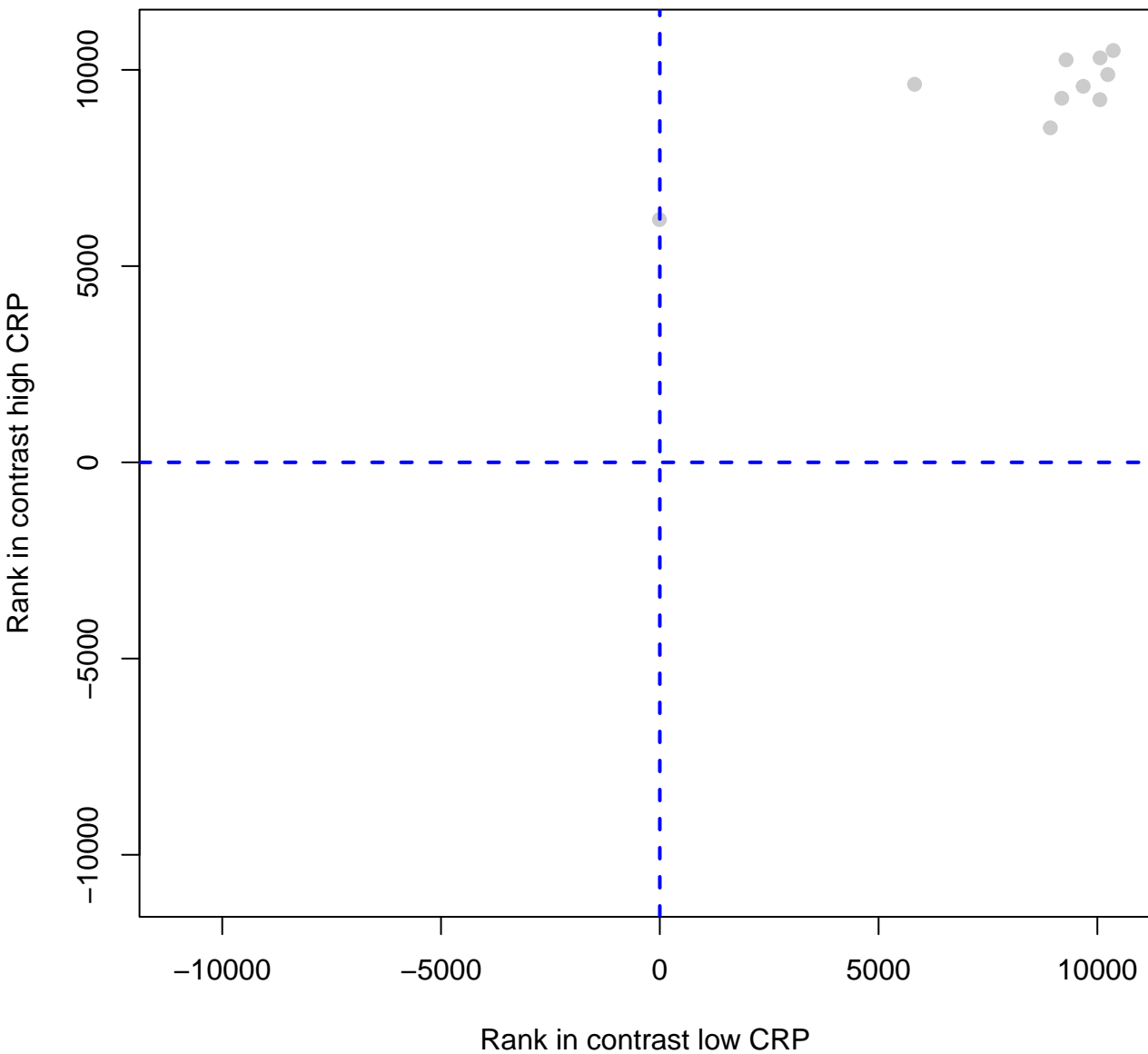
# effect size versus statistical significance



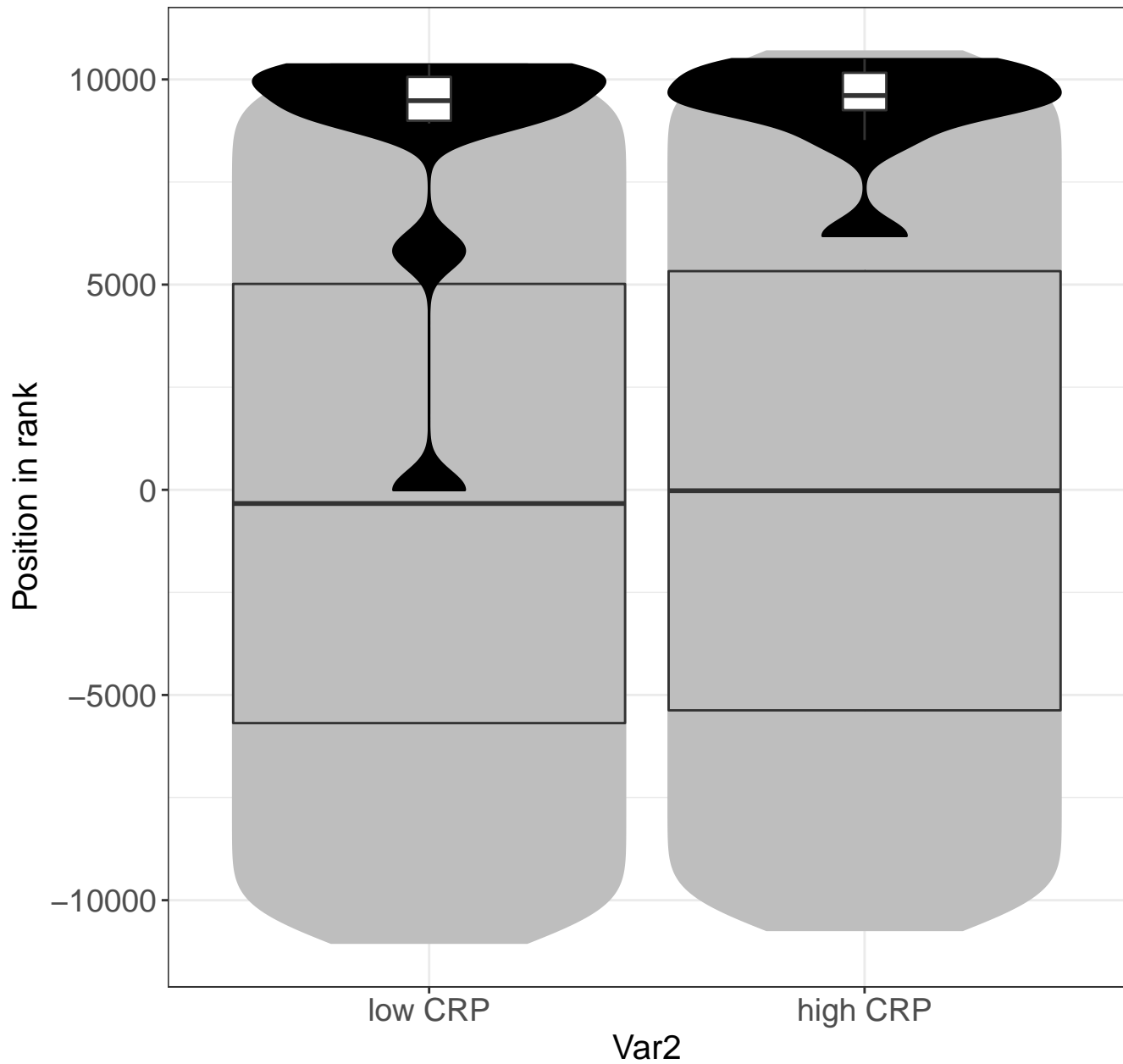
# IRAK4 deficiency (TLR2/4)



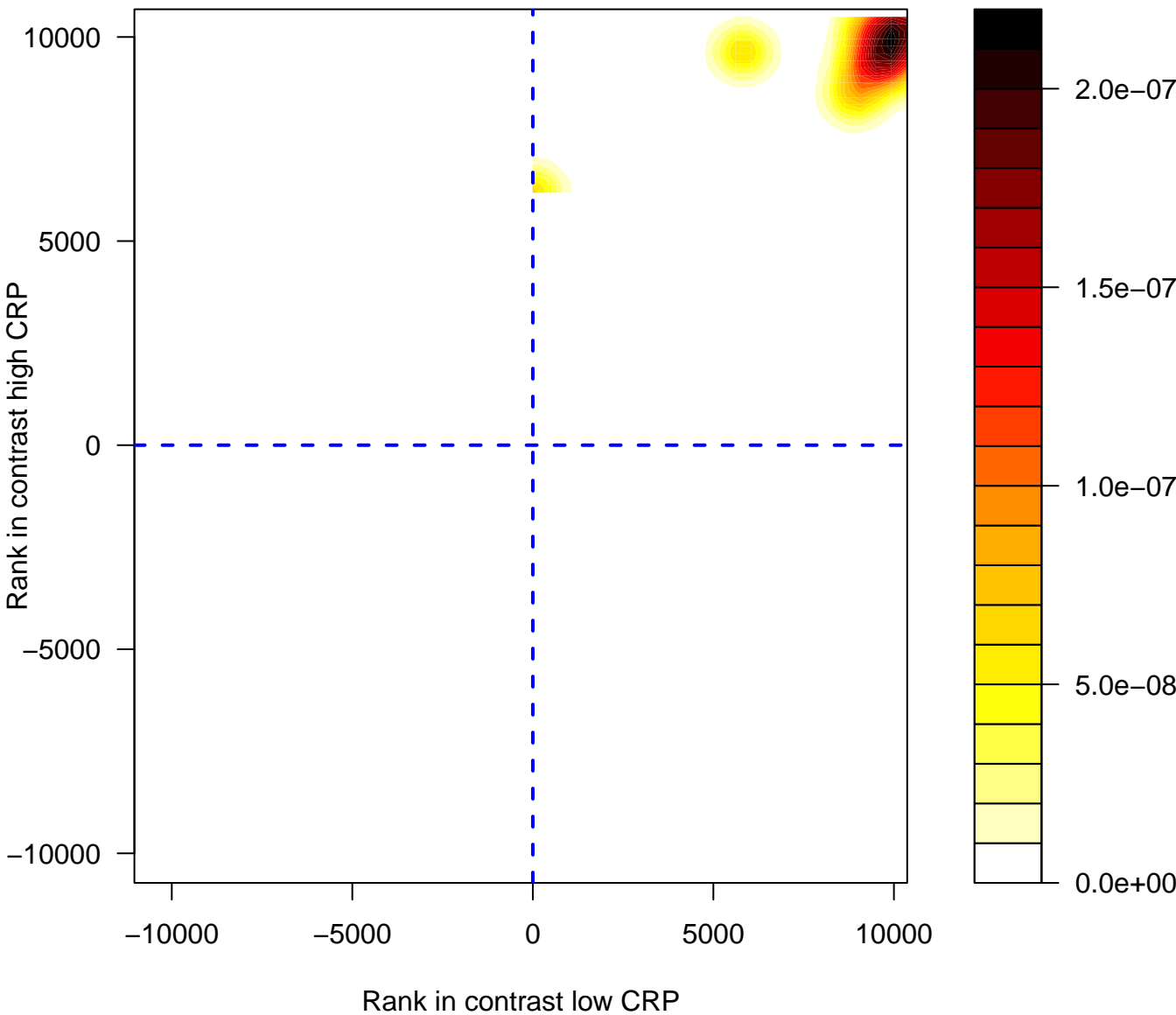
# IRAK4 deficiency (TLR2/4)



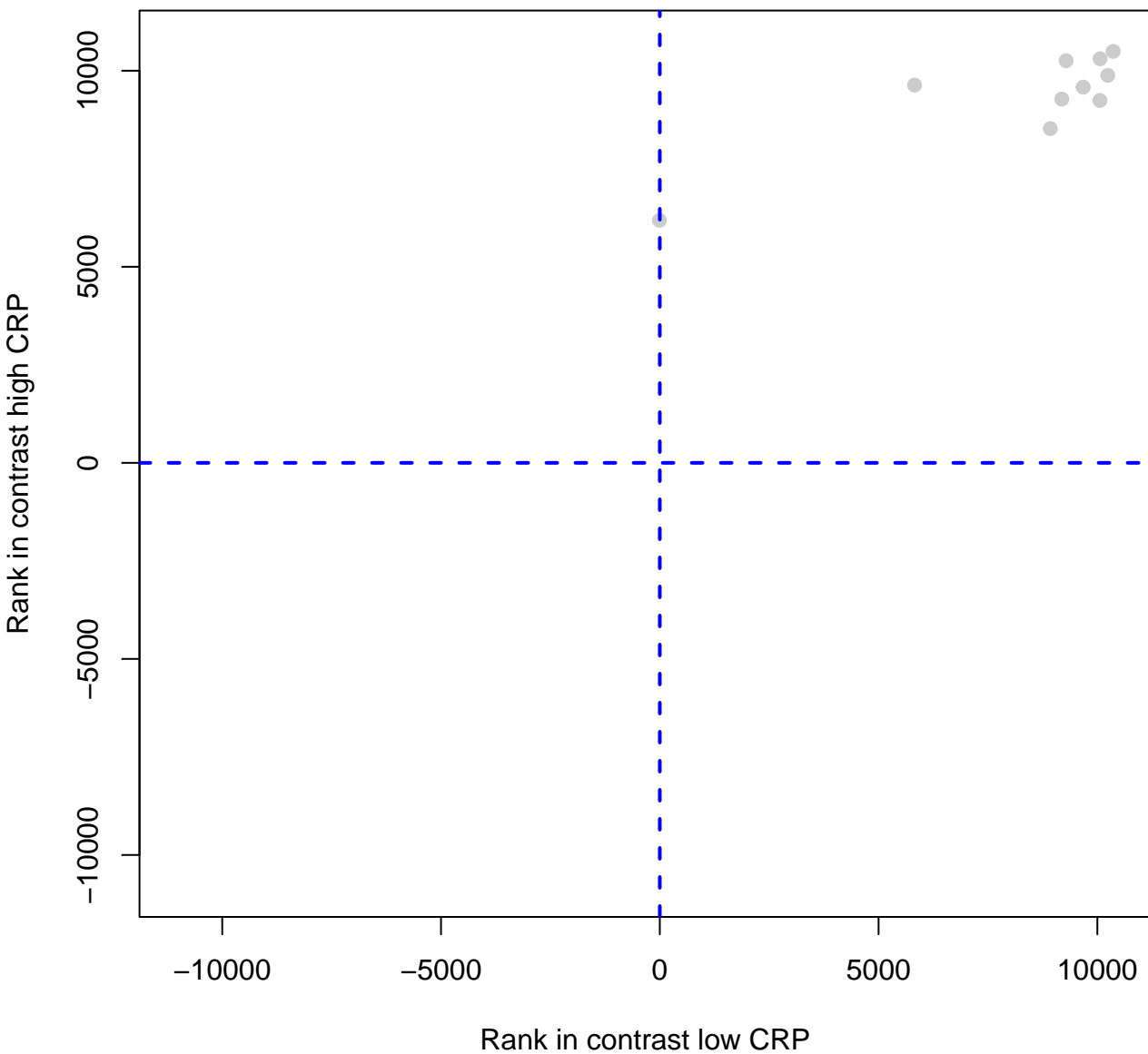
# IRAK4 deficiency (TLR2/4)



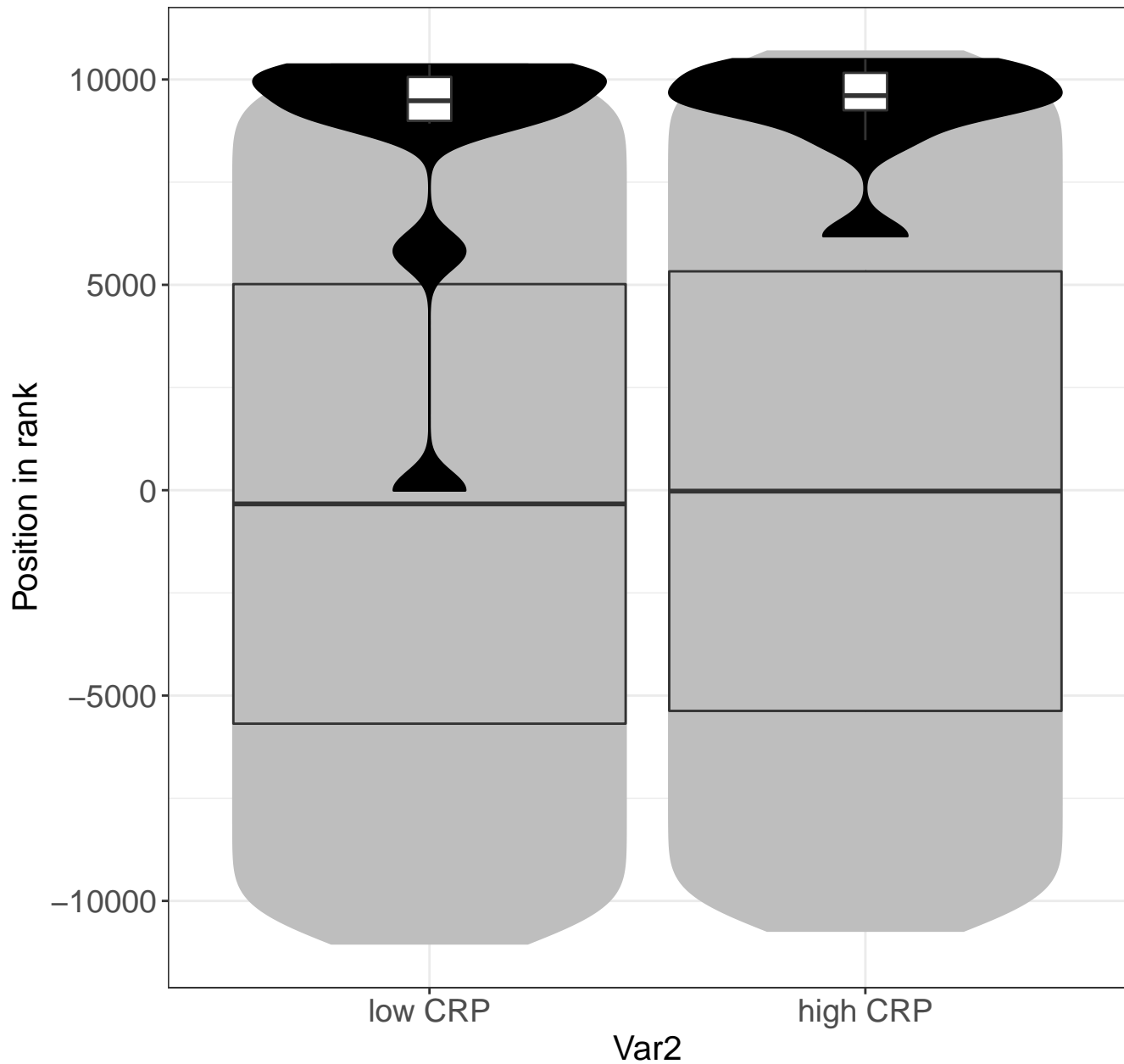
# MyD88 deficiency (TLR2/4)



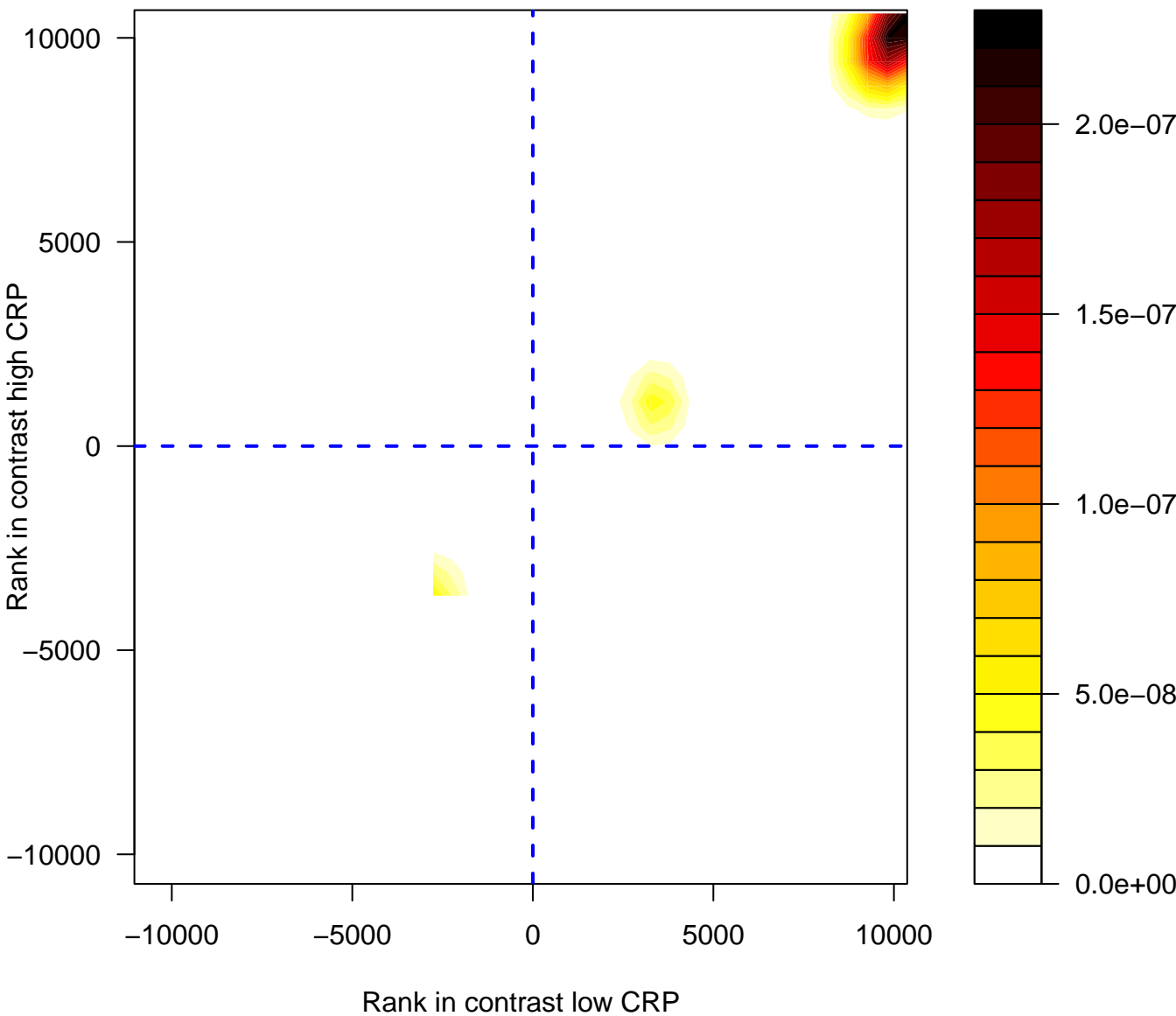
# MyD88 deficiency (TLR2/4)



# MyD88 deficiency (TLR2/4)

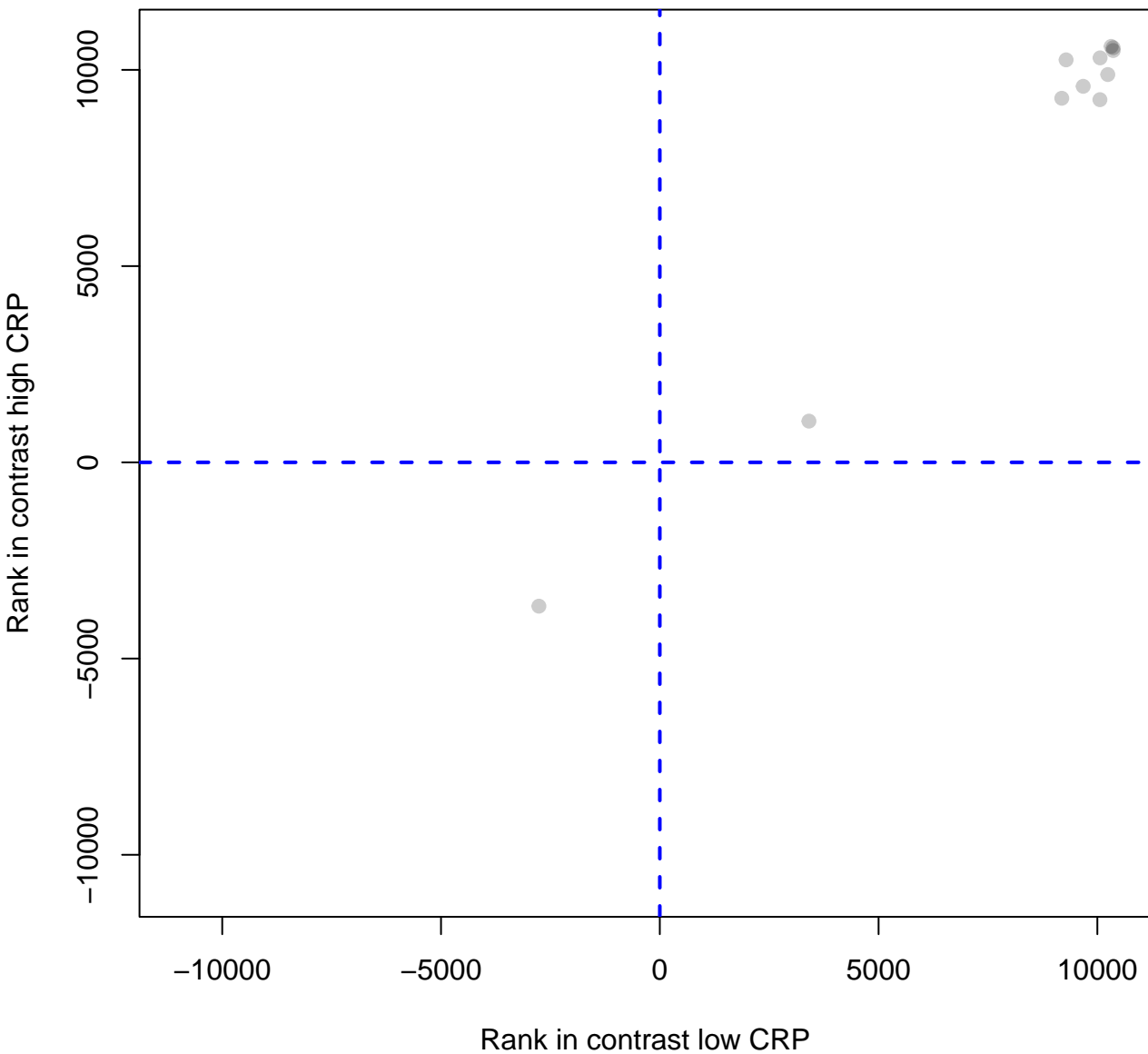


# Regulation of TLR by endogenous ligand

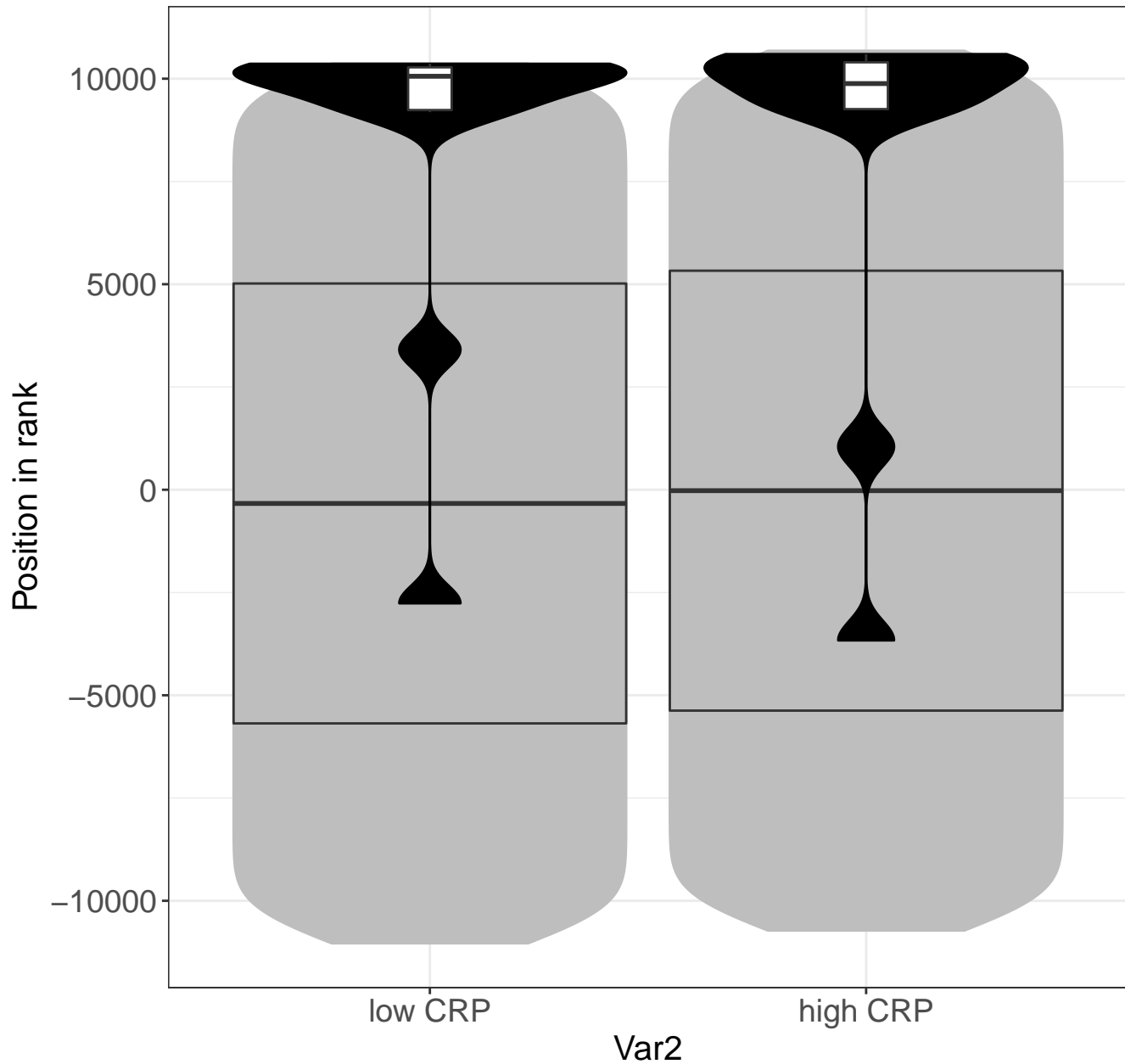




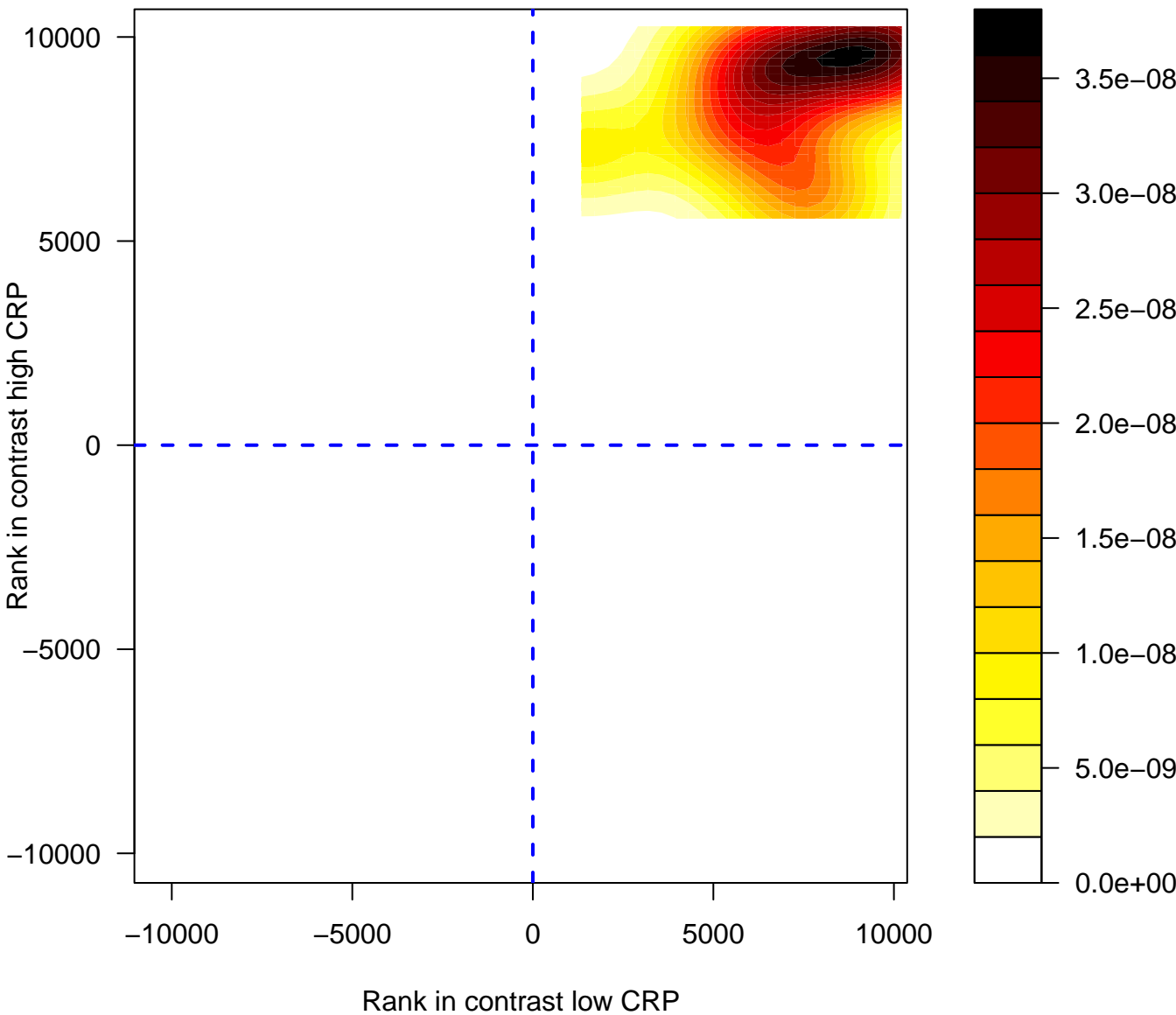
# Regulation of TLR by endogenous ligand



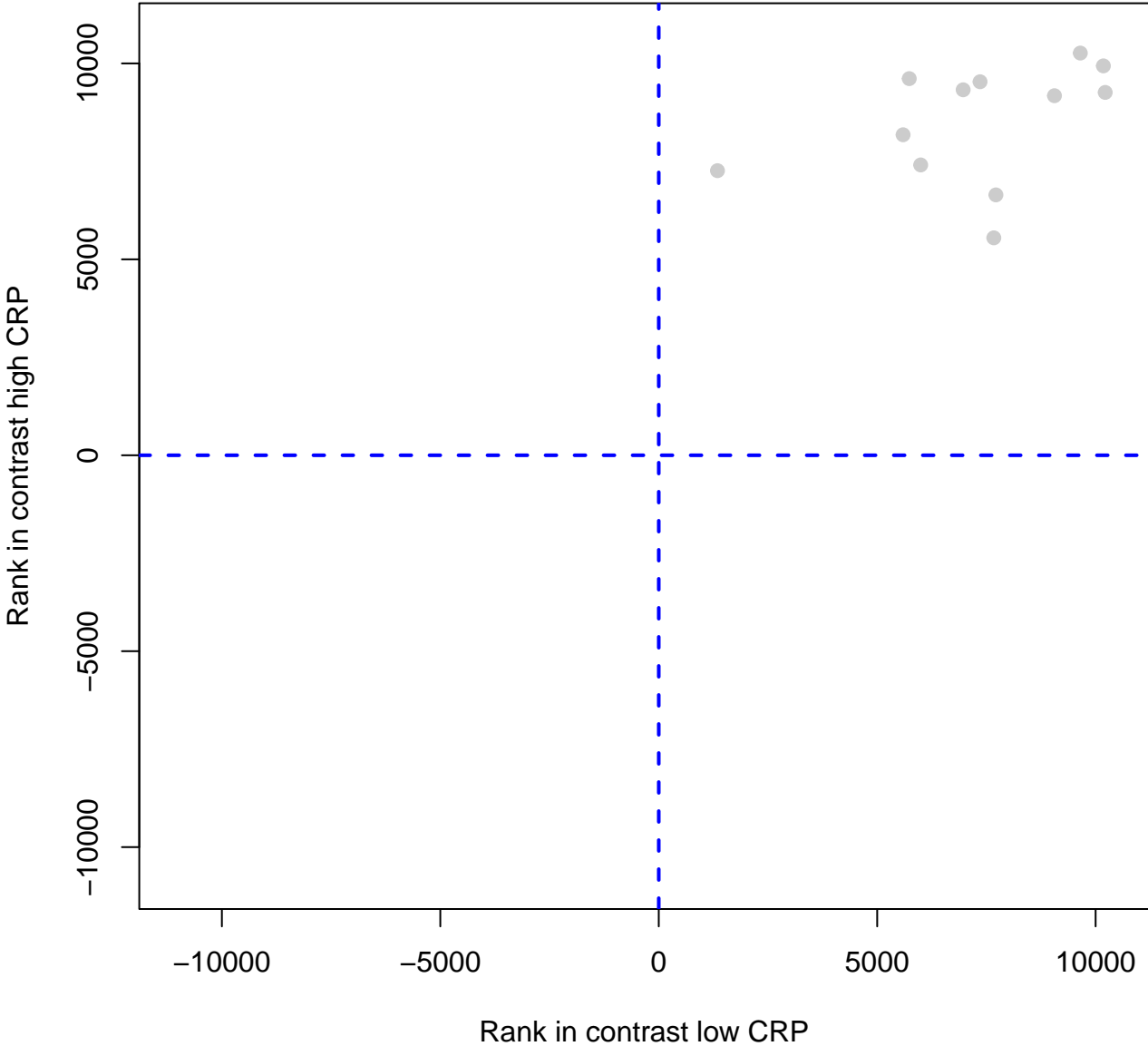
# Regulation of TLR by endogenous ligand



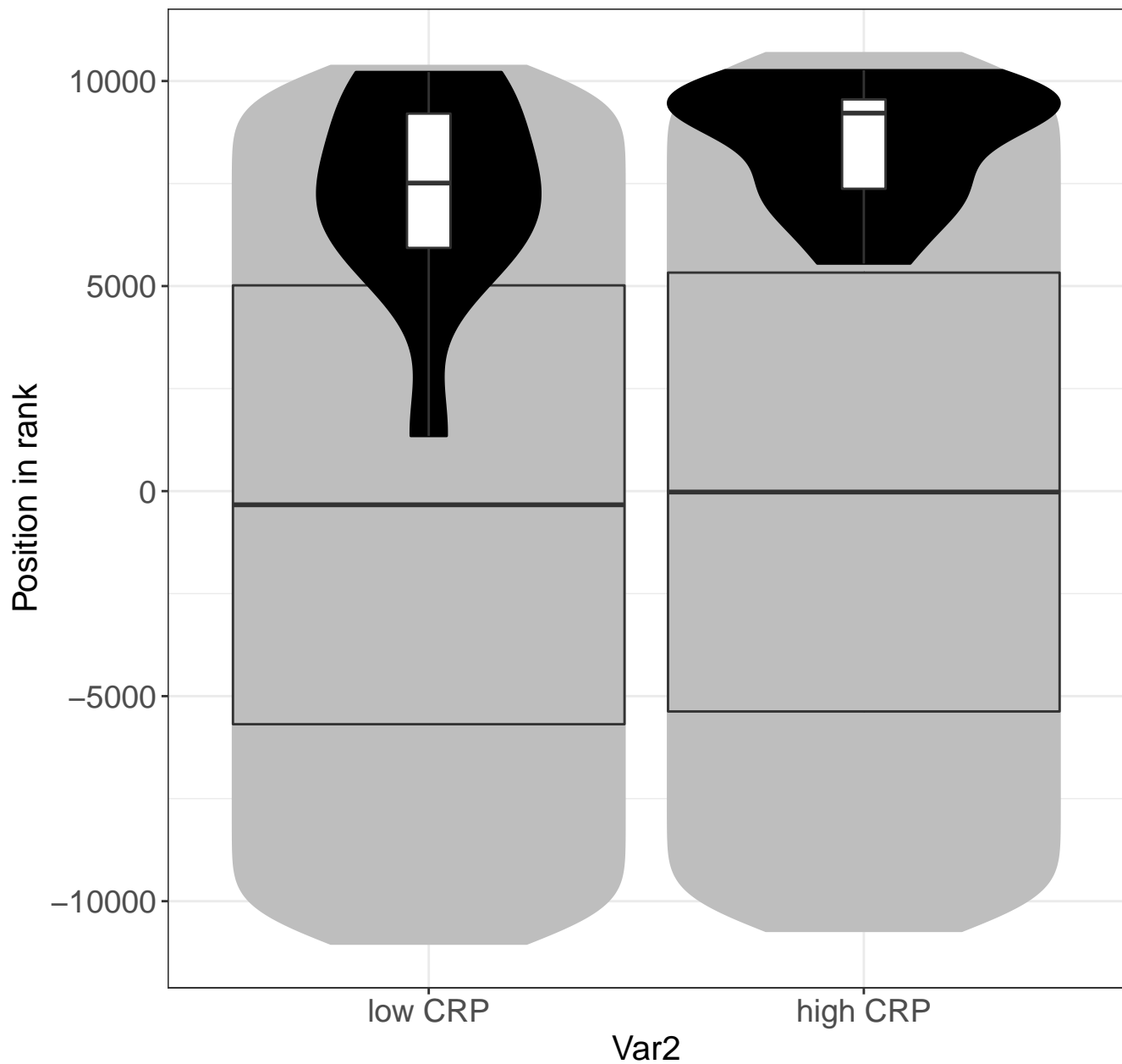
# alpha-linolenic (omega3) and linoleic (omega6) acid metabolites



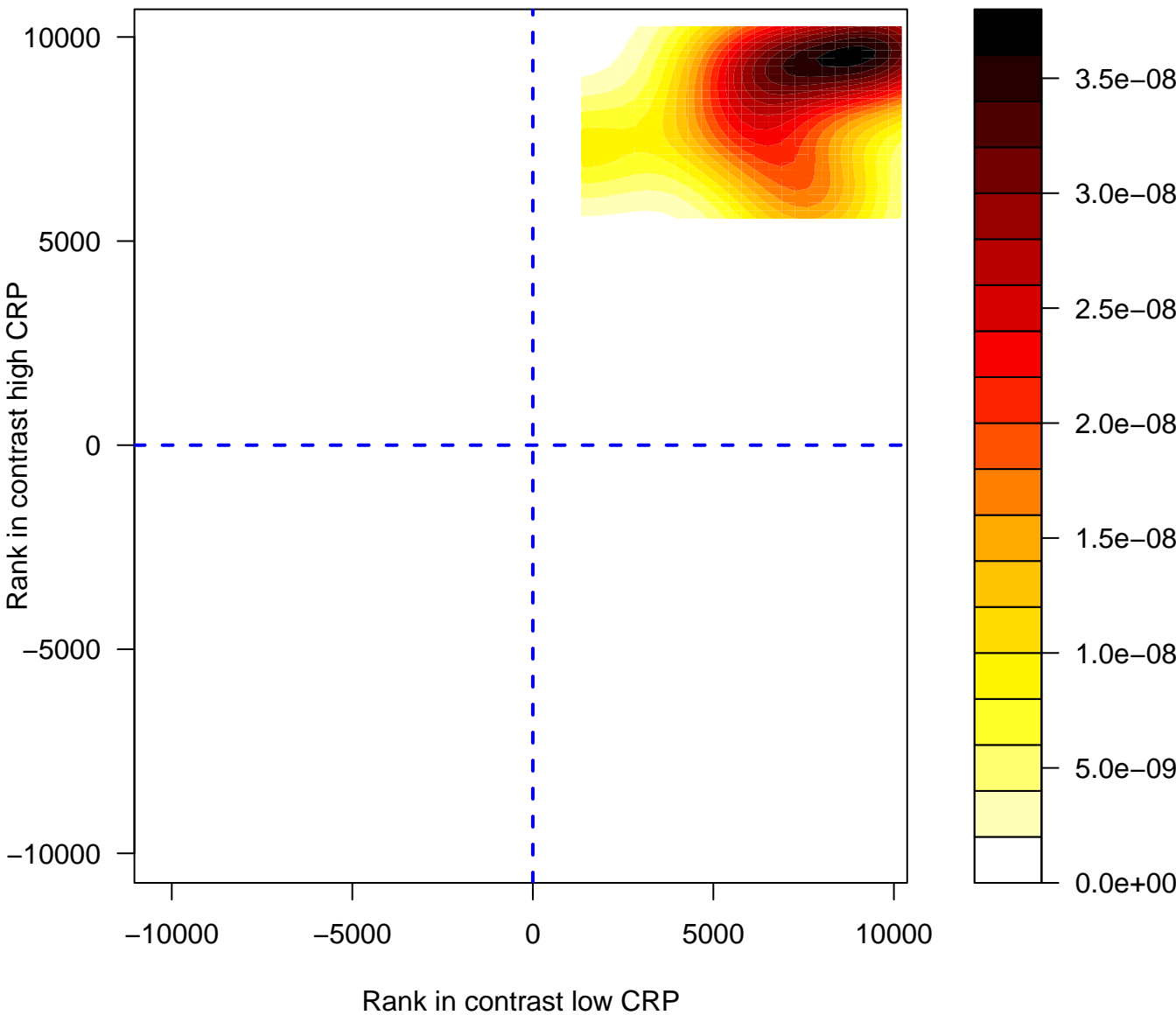
# alpha-linolenic (omega3) and linoleic (omega6) acid metabolism



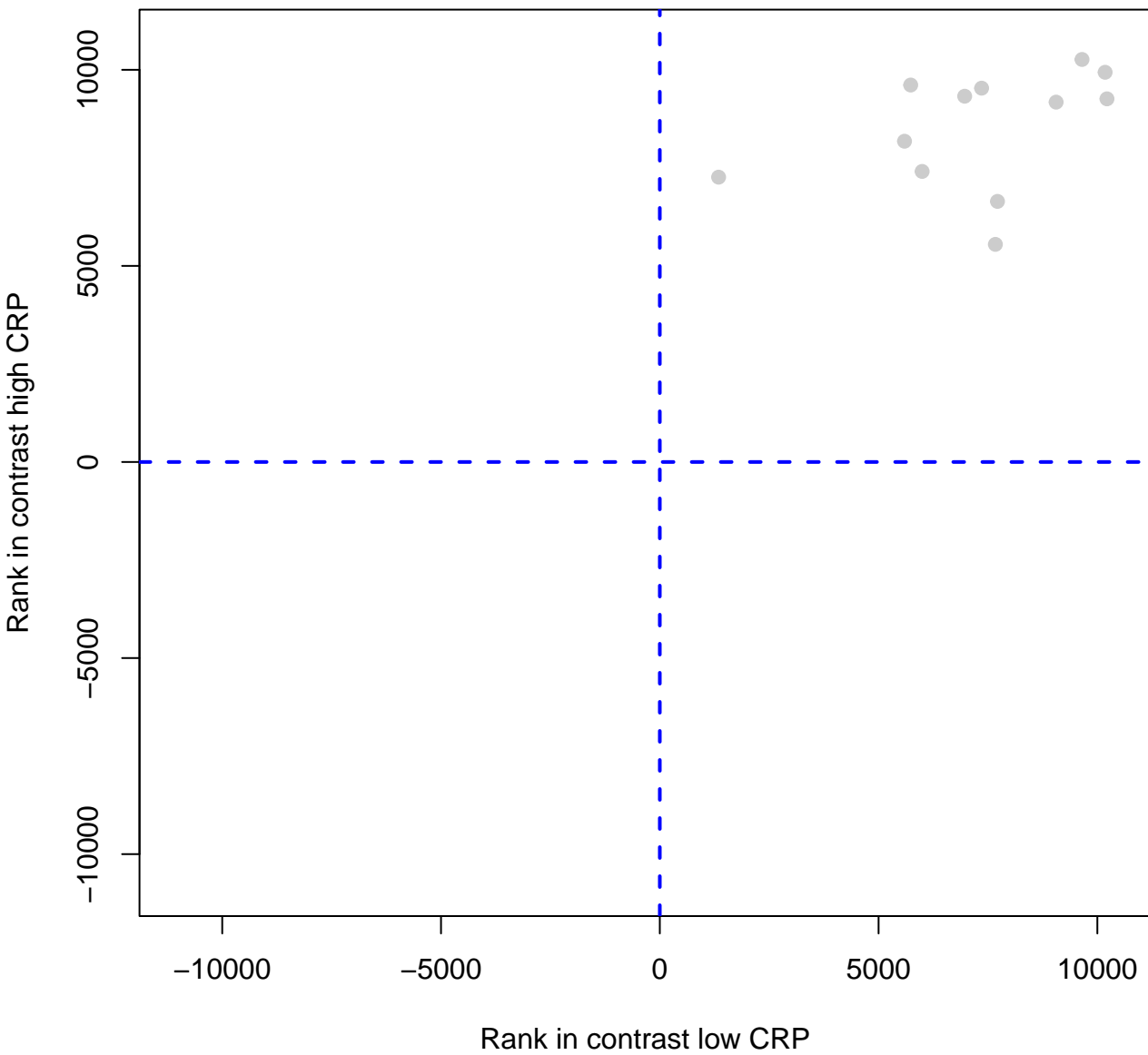
# alpha-linolenic (omega3) and linoleic (omega6) a



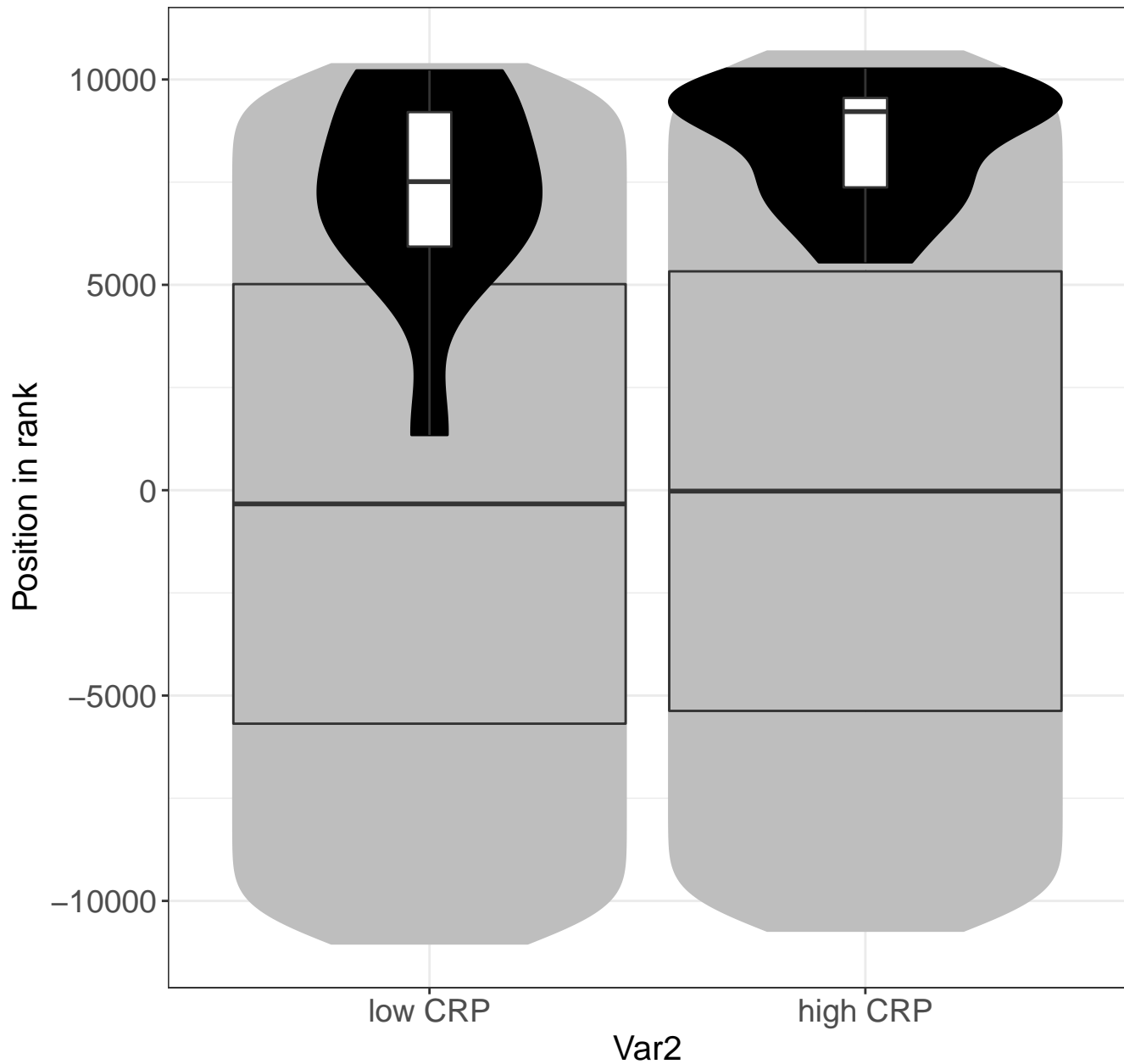
# alpha-linolenic acid (ALA) metabolism



# alpha-linolenic acid (ALA) metabolism

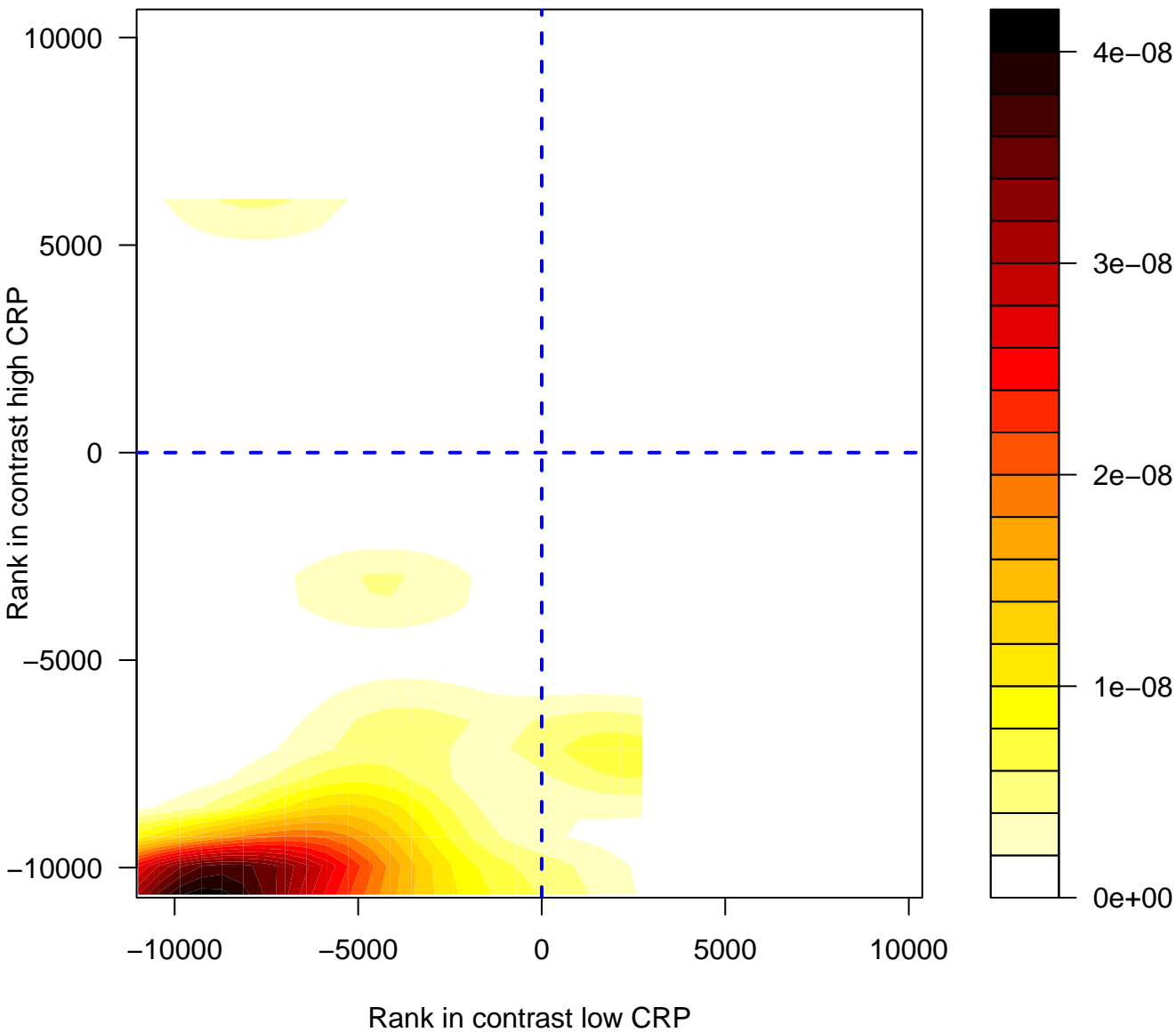


# alpha-linolenic acid (ALA) metabolism

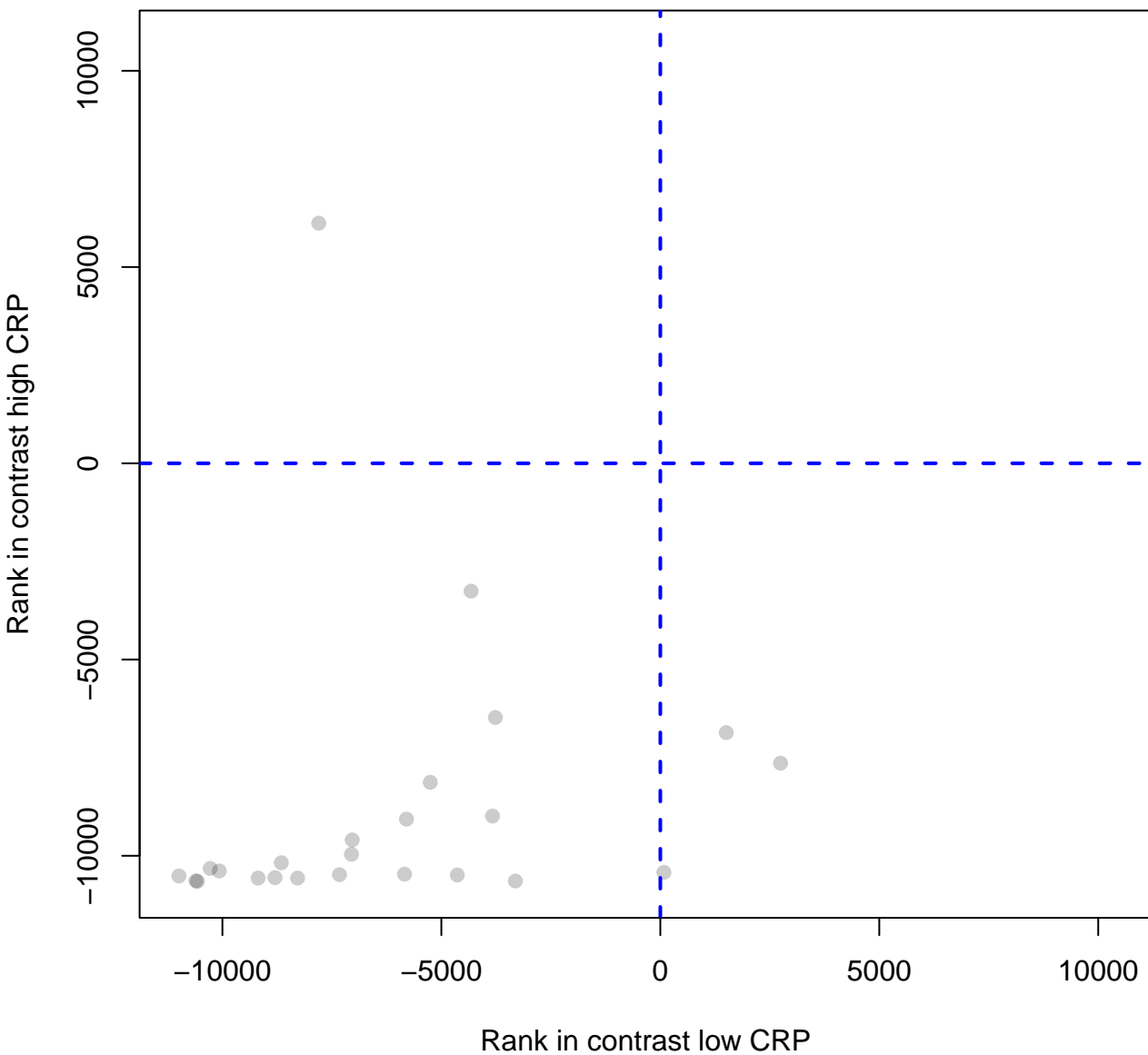




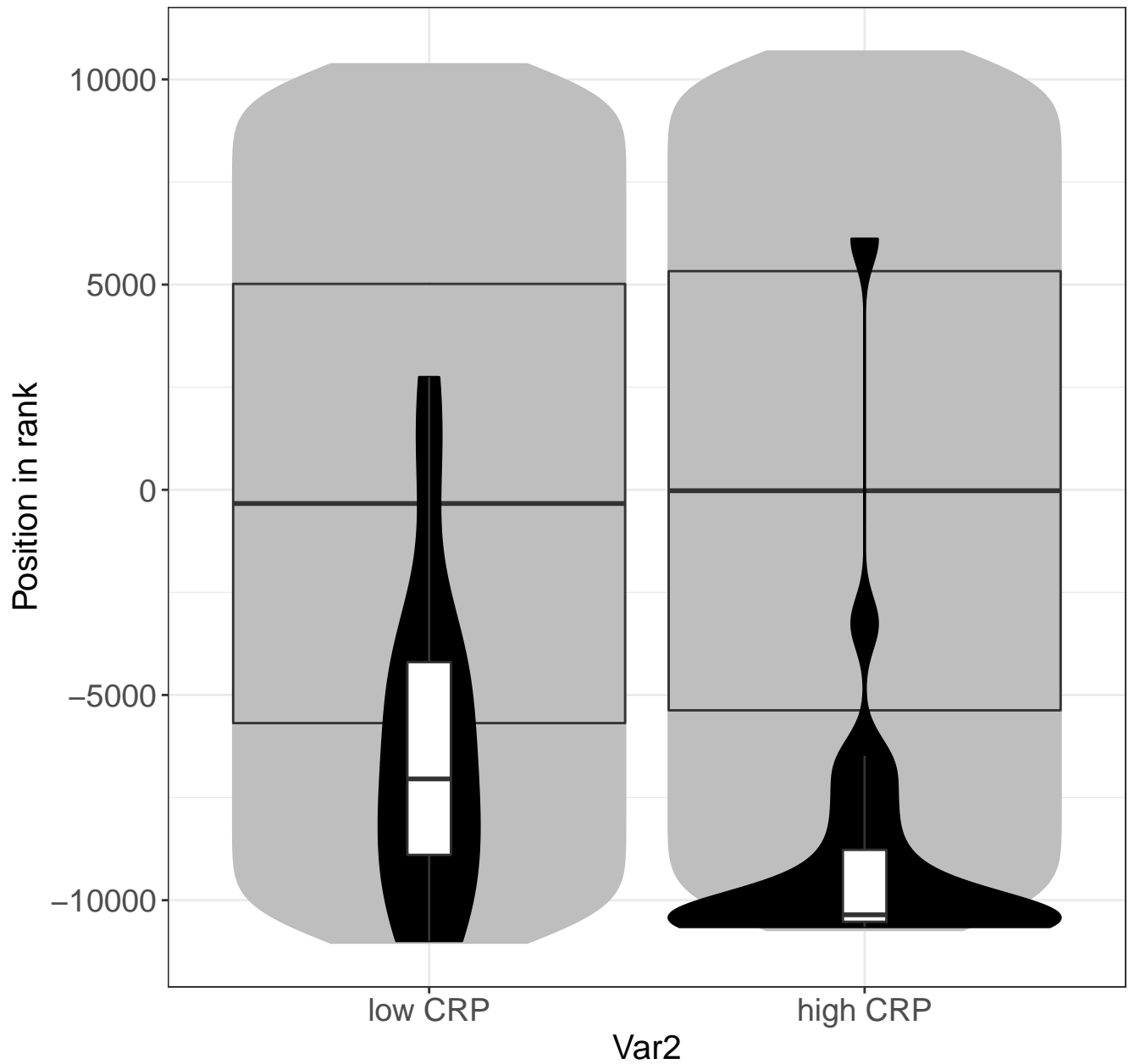
# Translocation of ZAP-70 to Immunological synapse



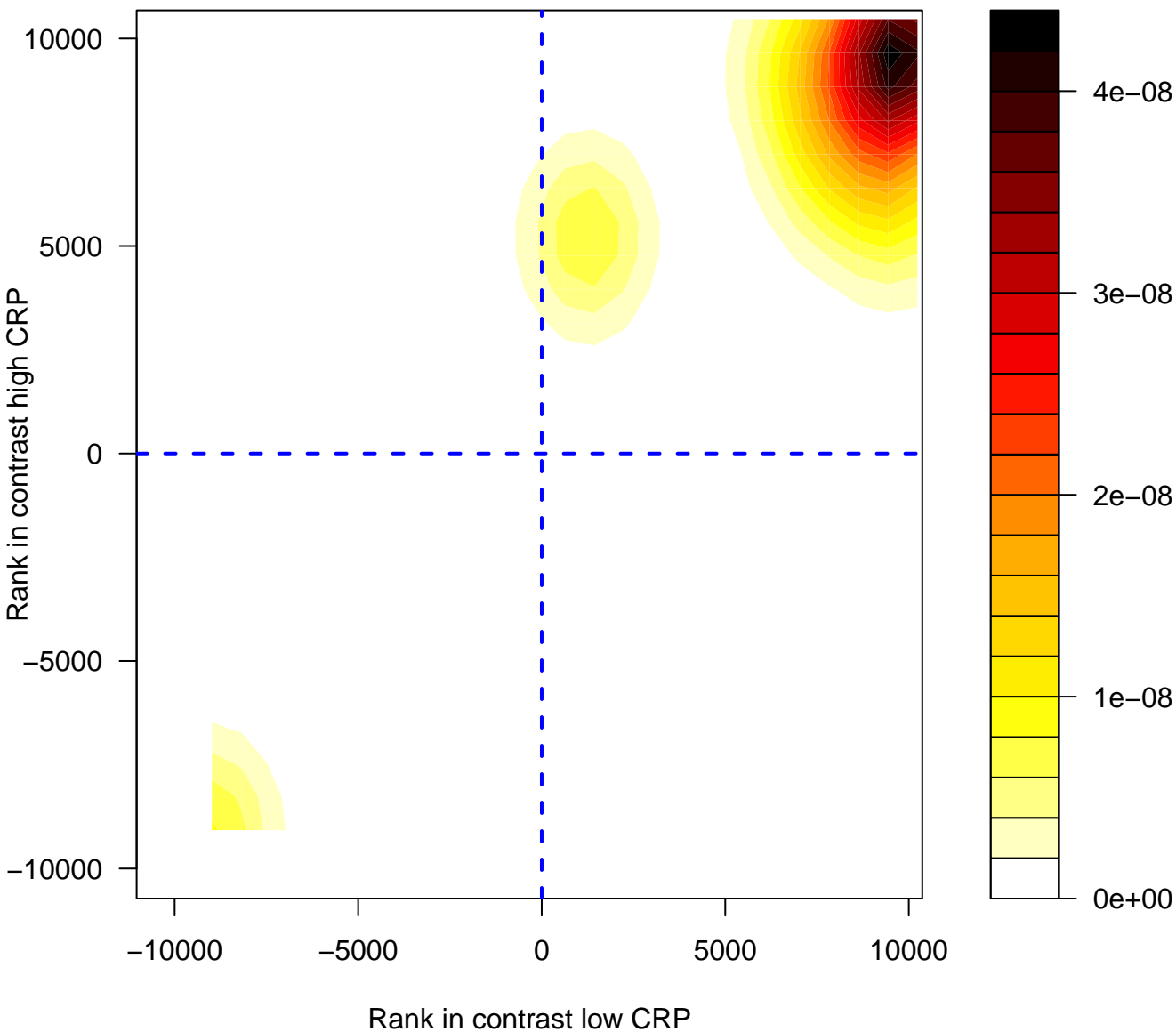
# Translocation of ZAP-70 to Immunological synapse



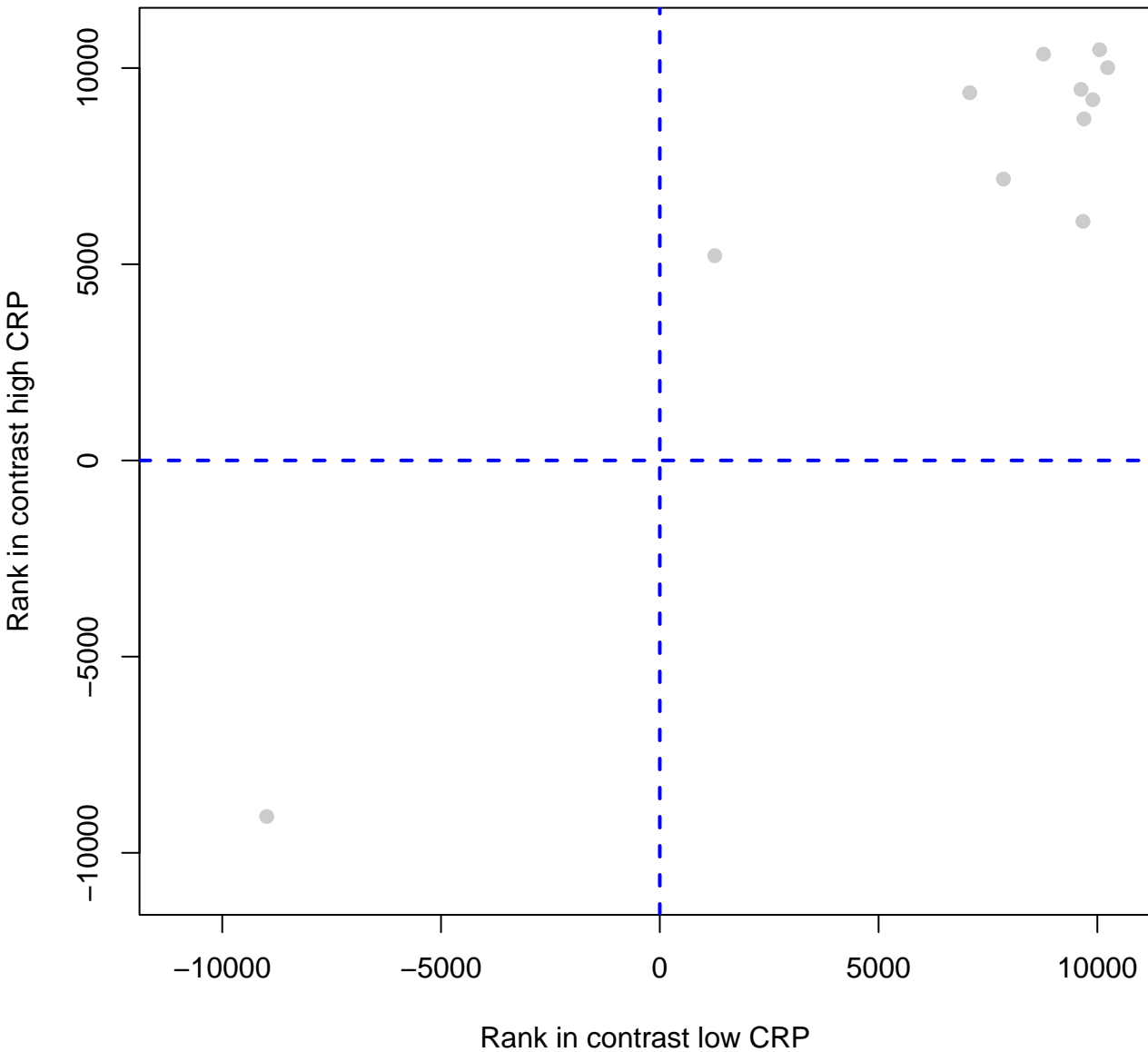
# Translocation of ZAP-70 to Immunological synapse



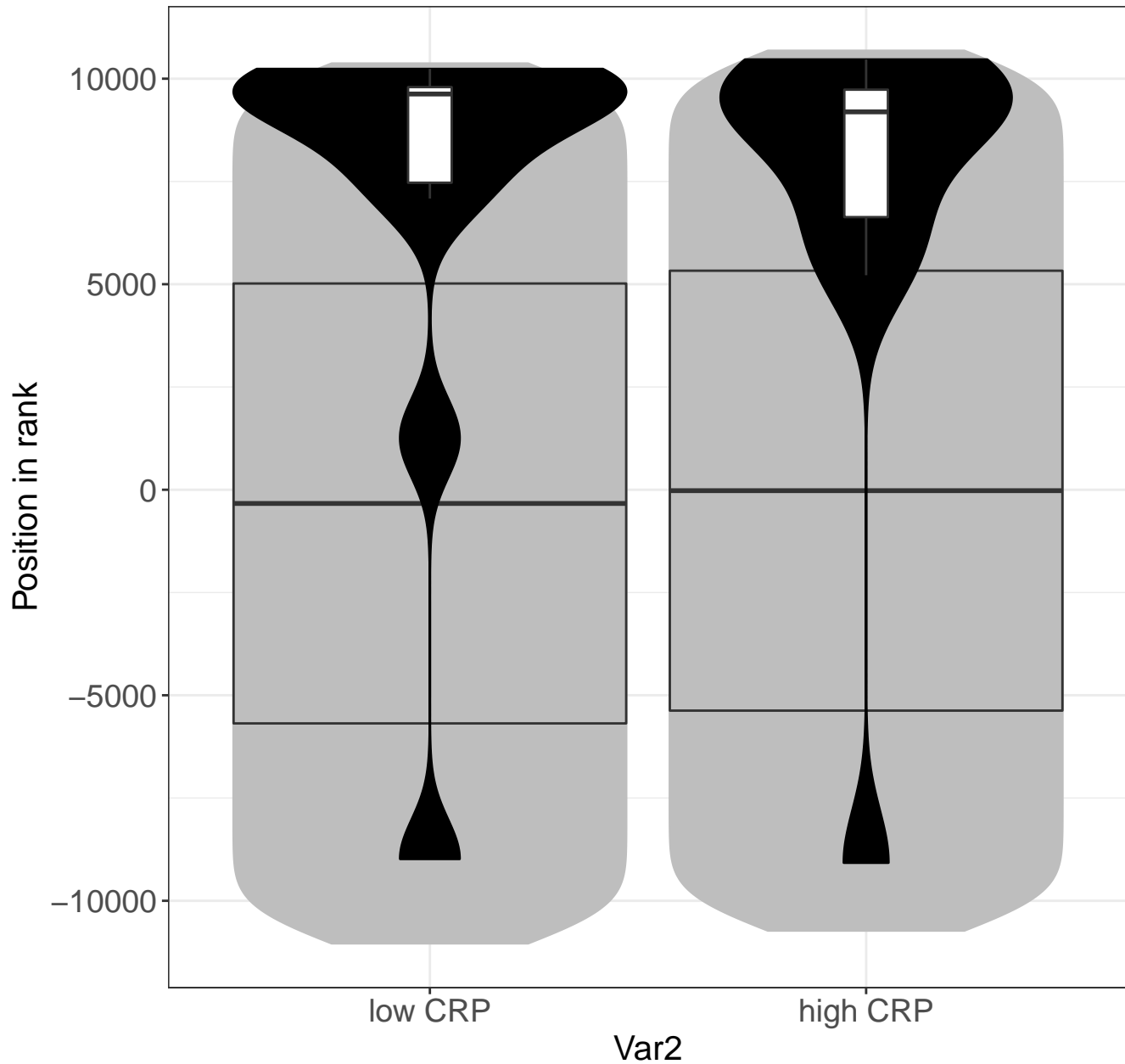
# Erythrocytes take up carbon dioxide and release oxygen



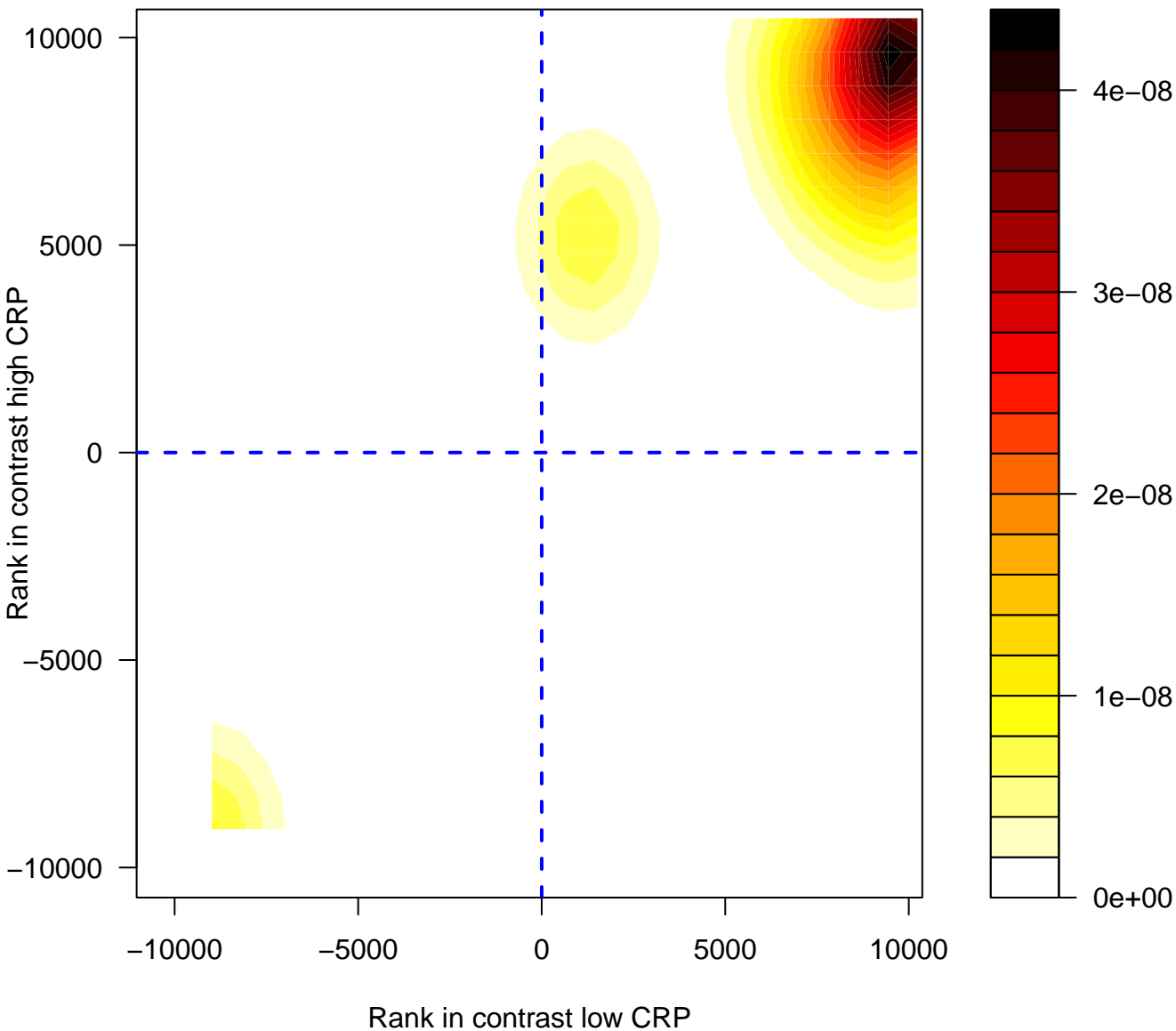
# Erythrocytes take up carbon dioxide and release oxygen



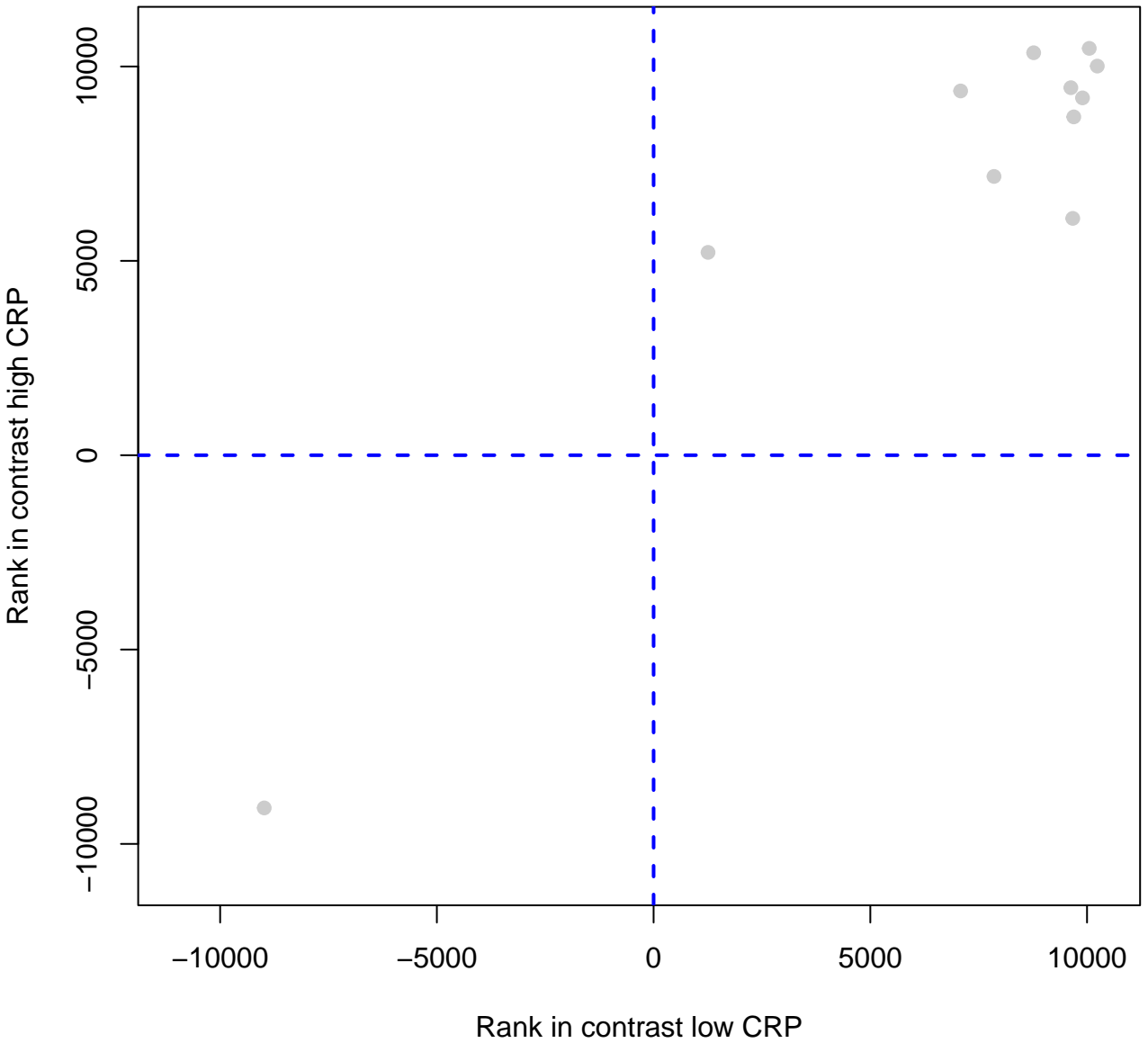
# Erythrocytes take up carbon dioxide and release



## O<sub>2</sub>/CO<sub>2</sub> exchange in erythrocytes

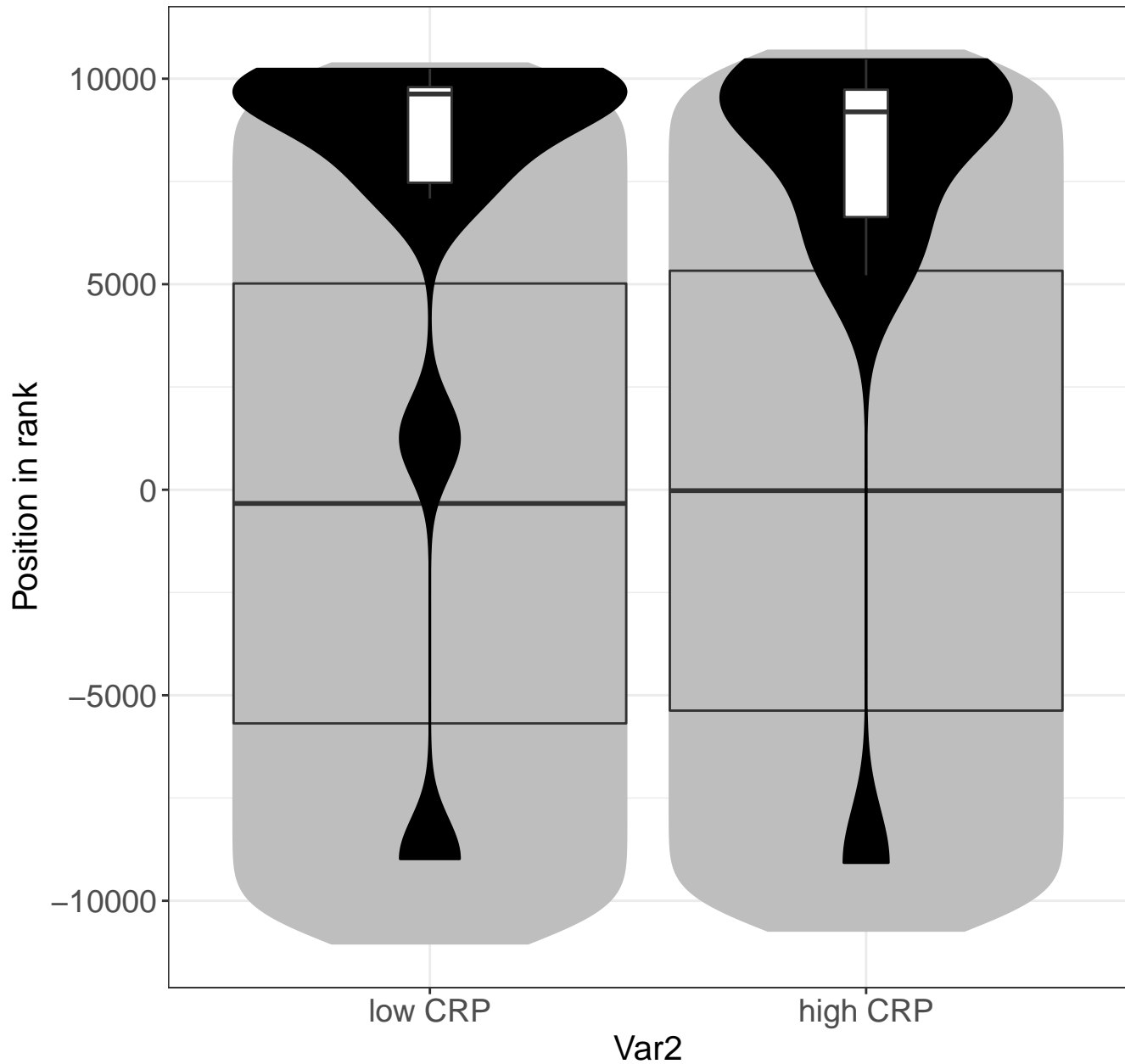


# O<sub>2</sub>/CO<sub>2</sub> exchange in erythrocytes

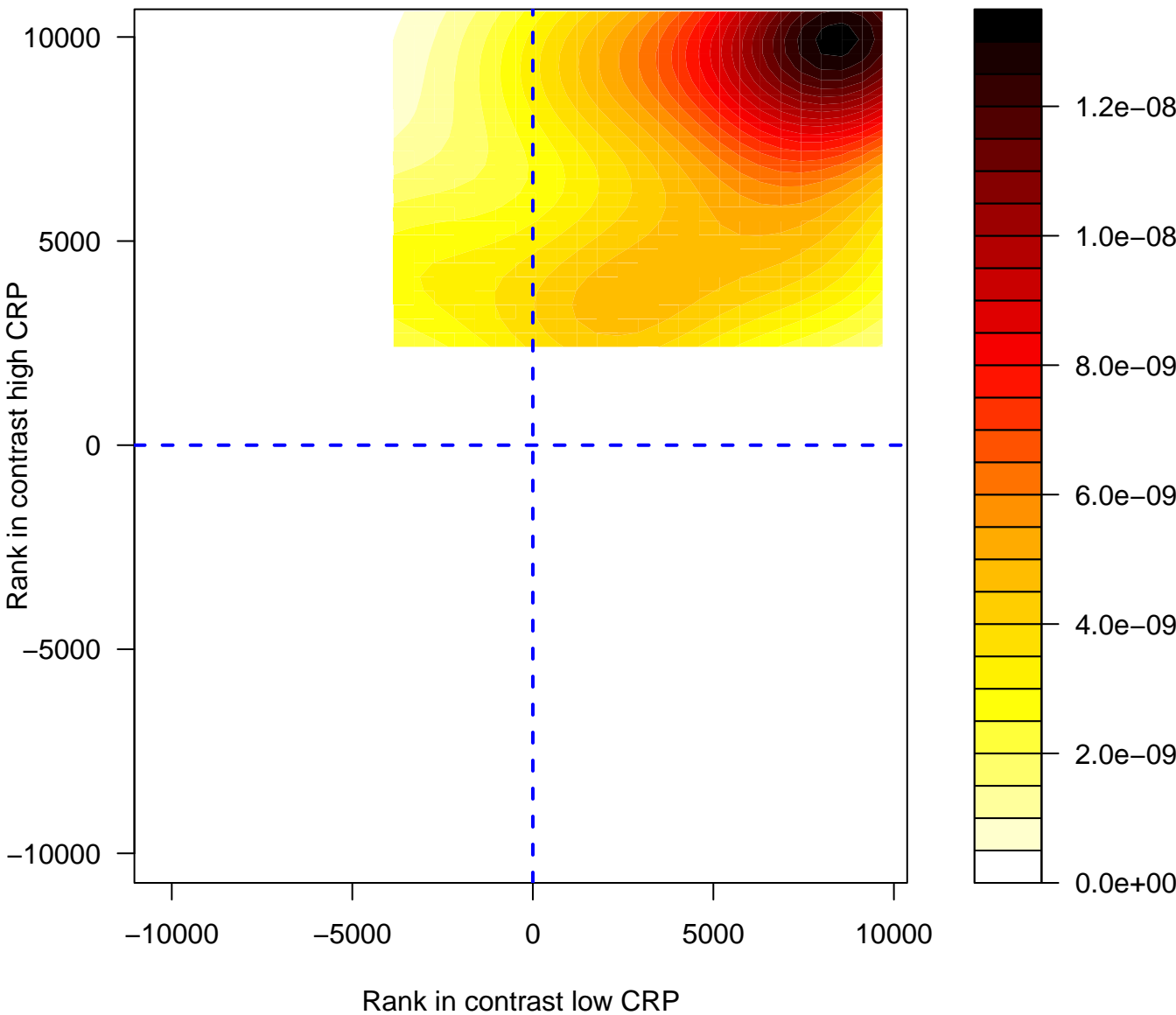




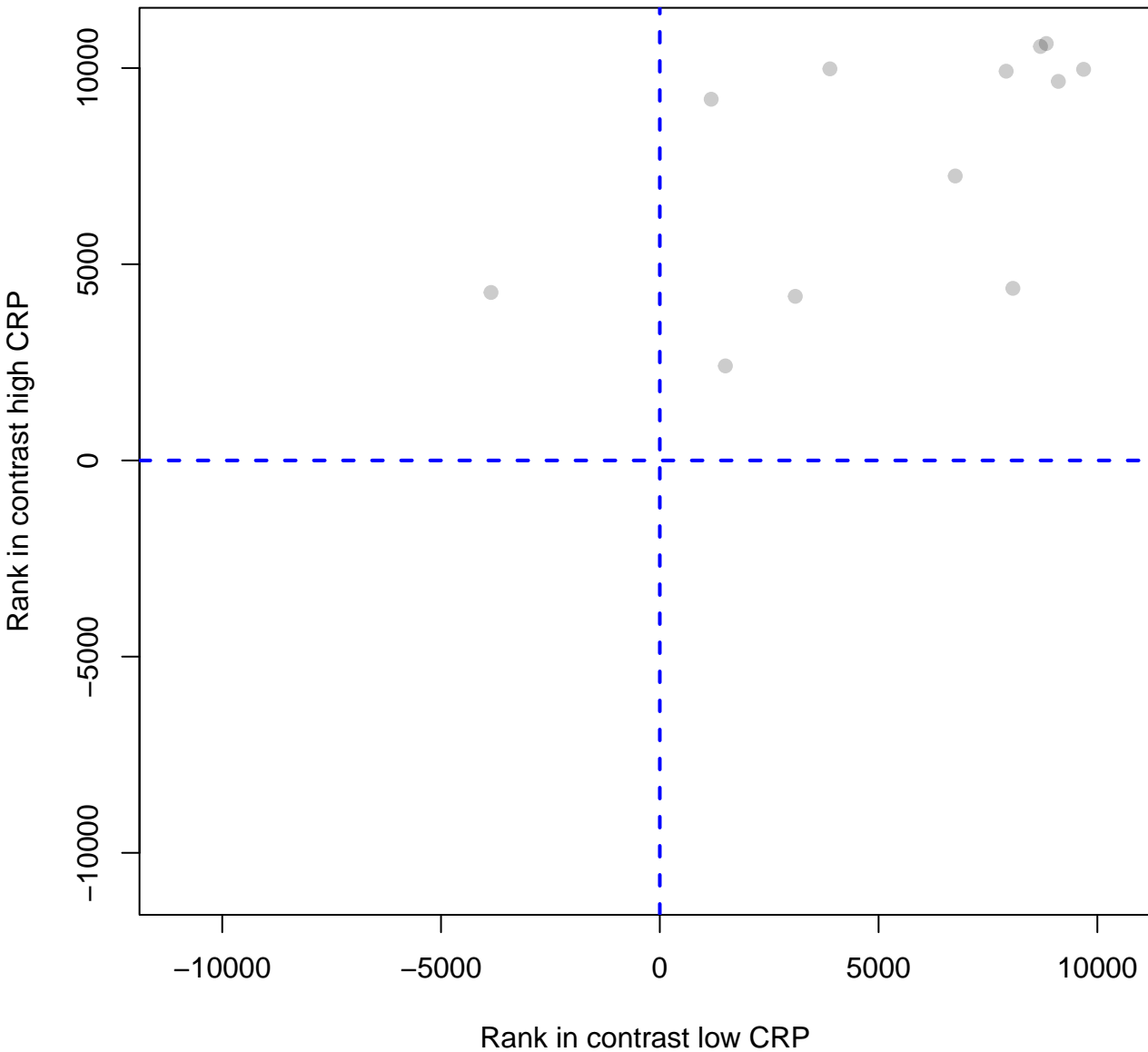
# O<sub>2</sub>/CO<sub>2</sub> exchange in erythrocytes



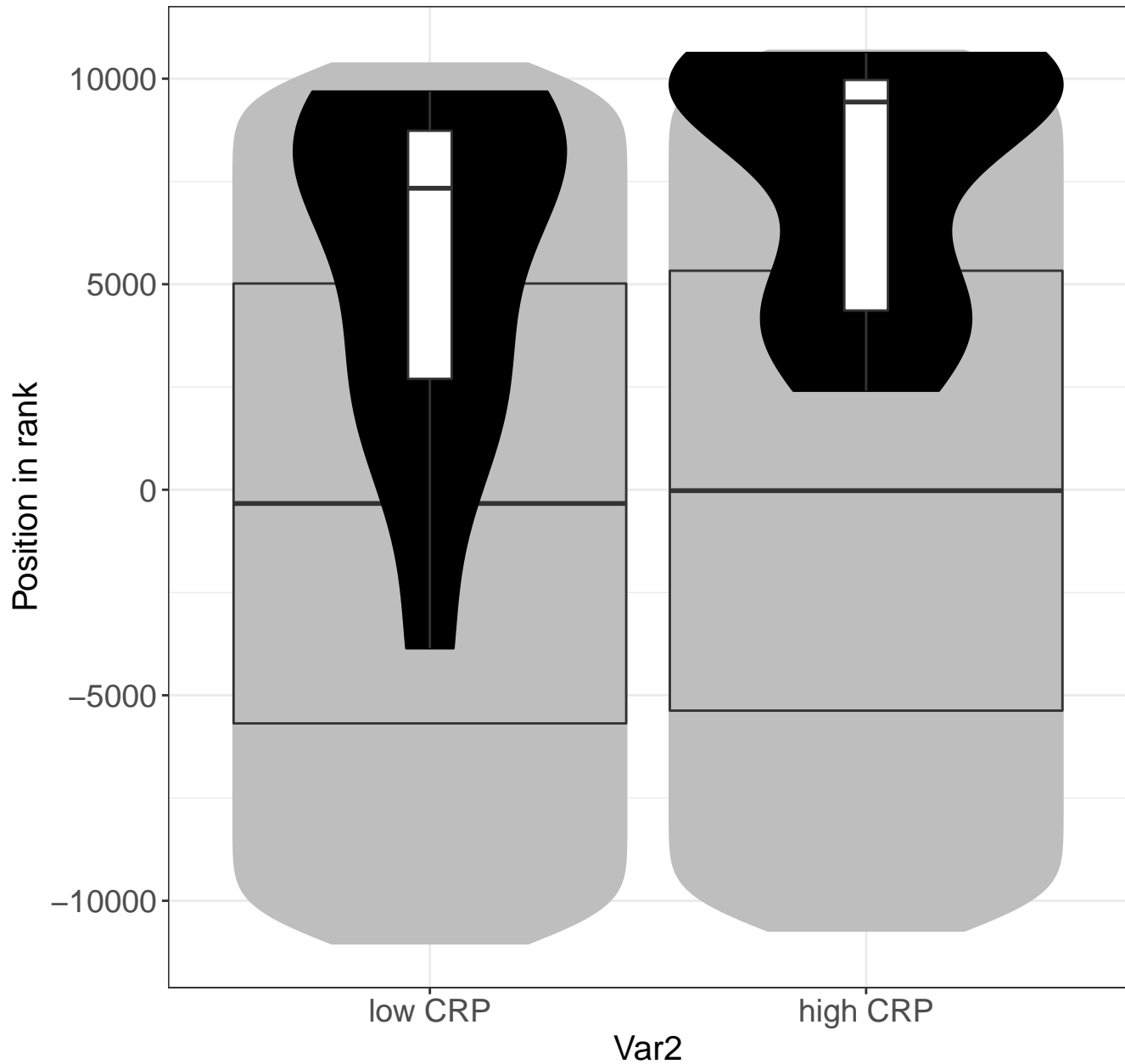
# Hyaluronan uptake and degradation



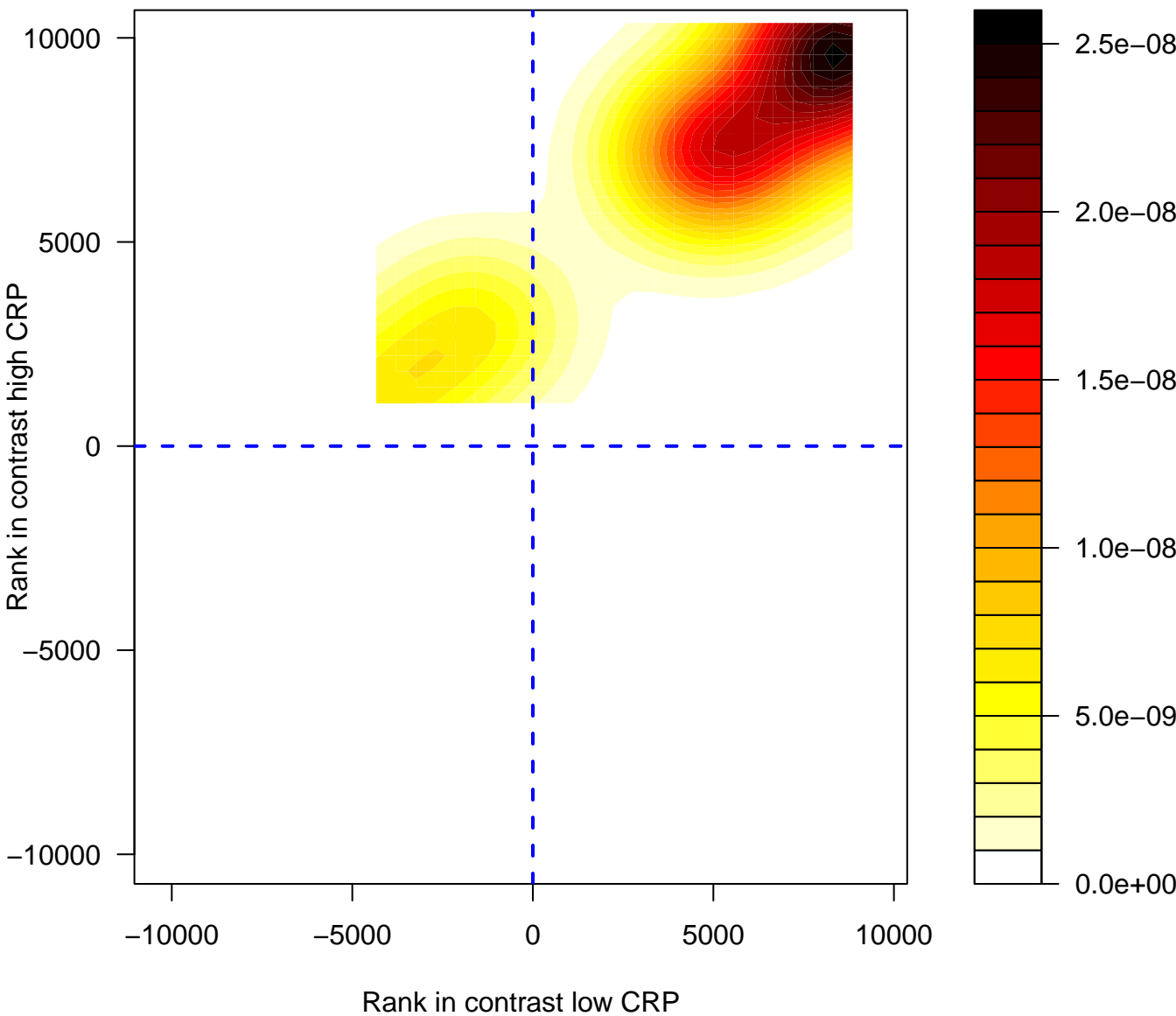
# Hyaluronan uptake and degradation



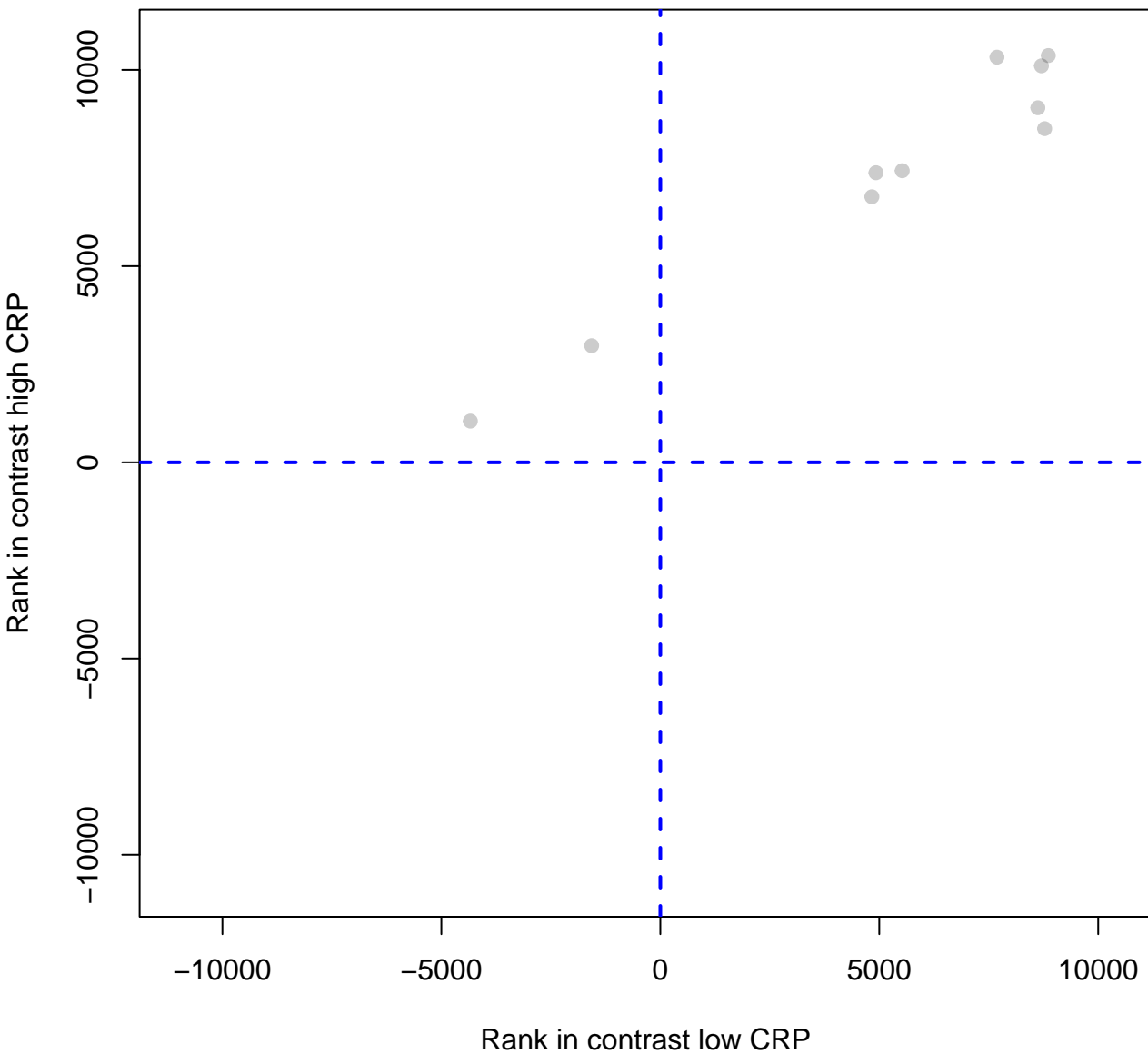
# Hyaluronan uptake and degradation



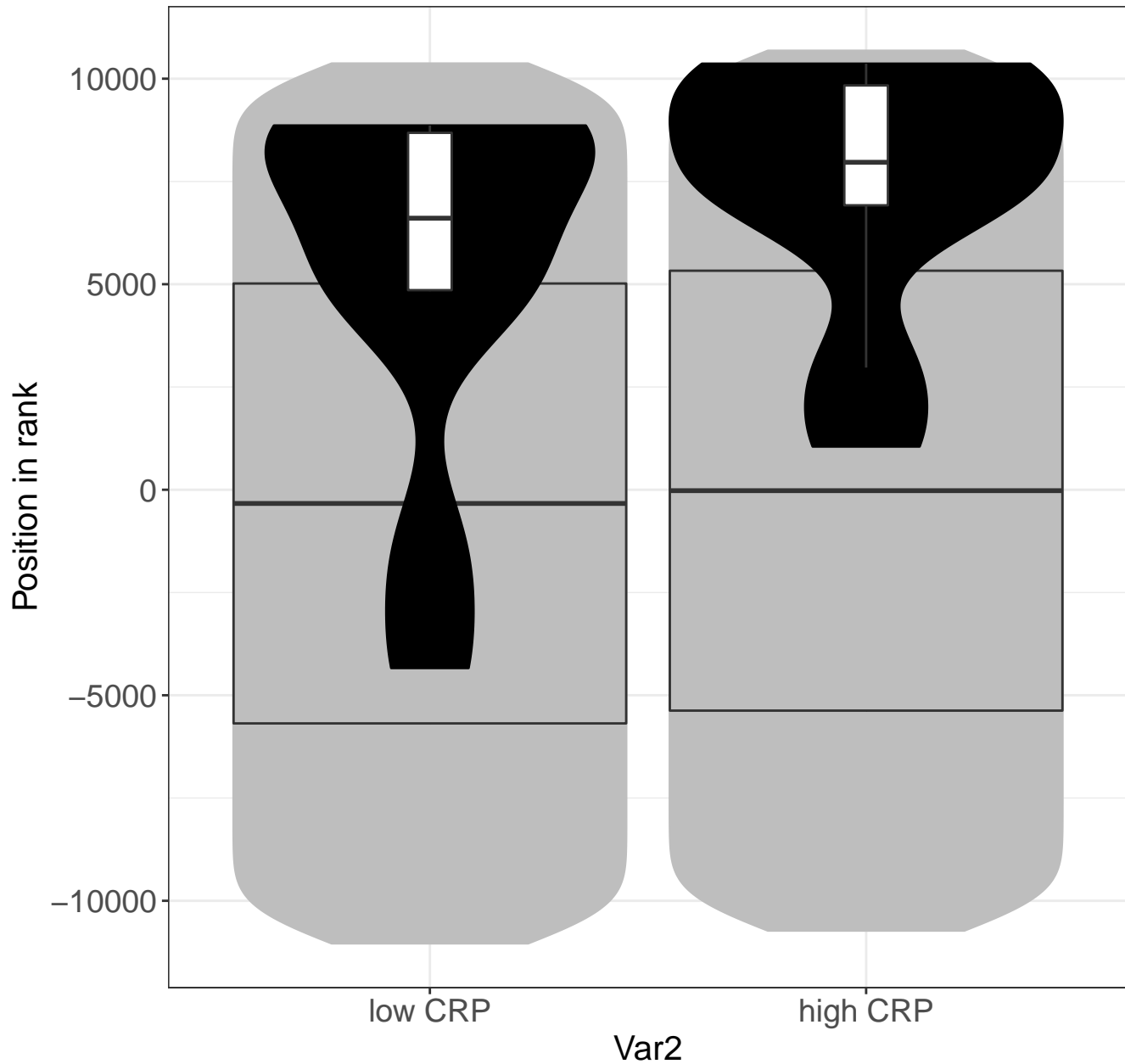
# Uptake and function of anthrax toxins



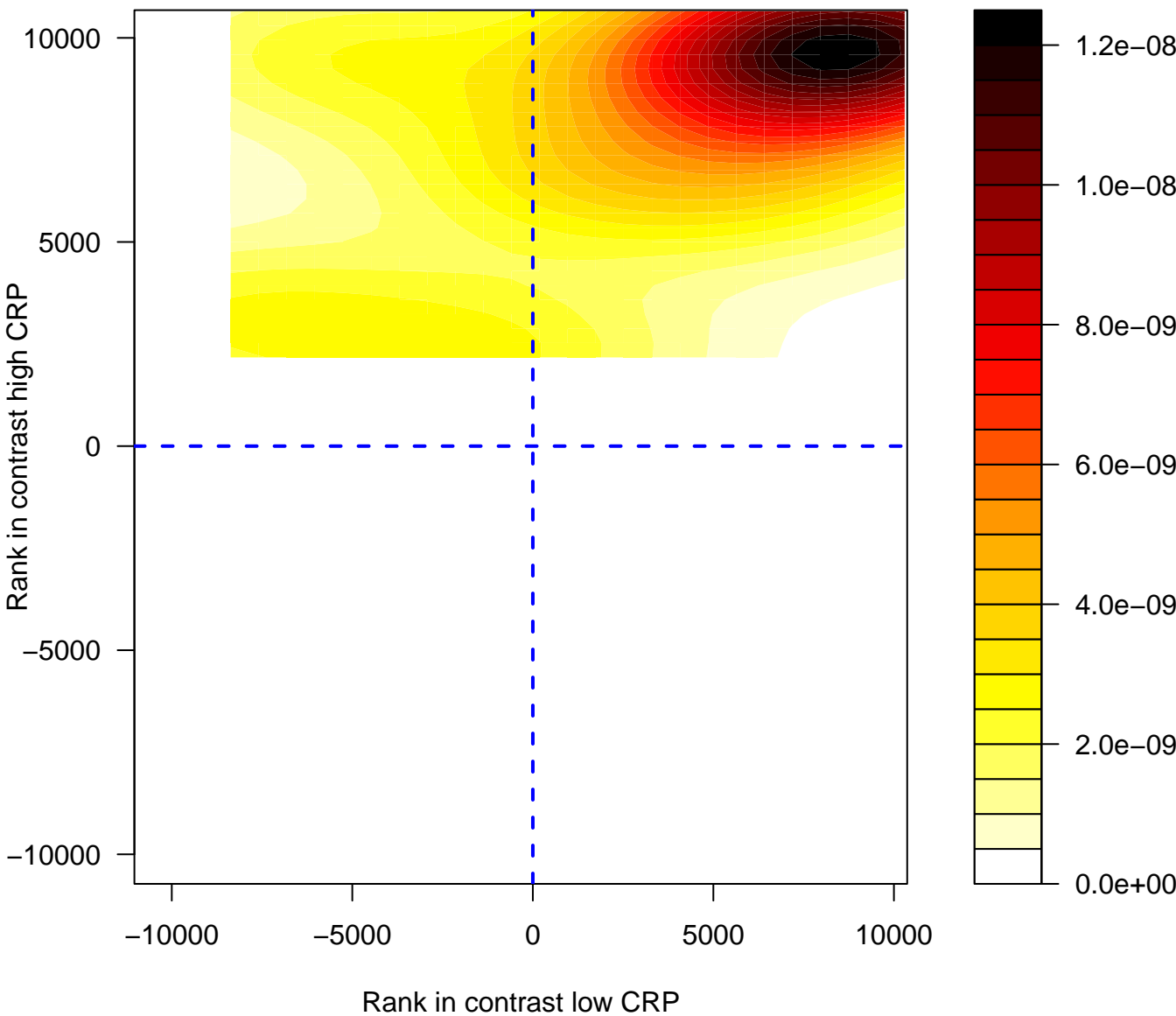
# Uptake and function of anthrax toxins



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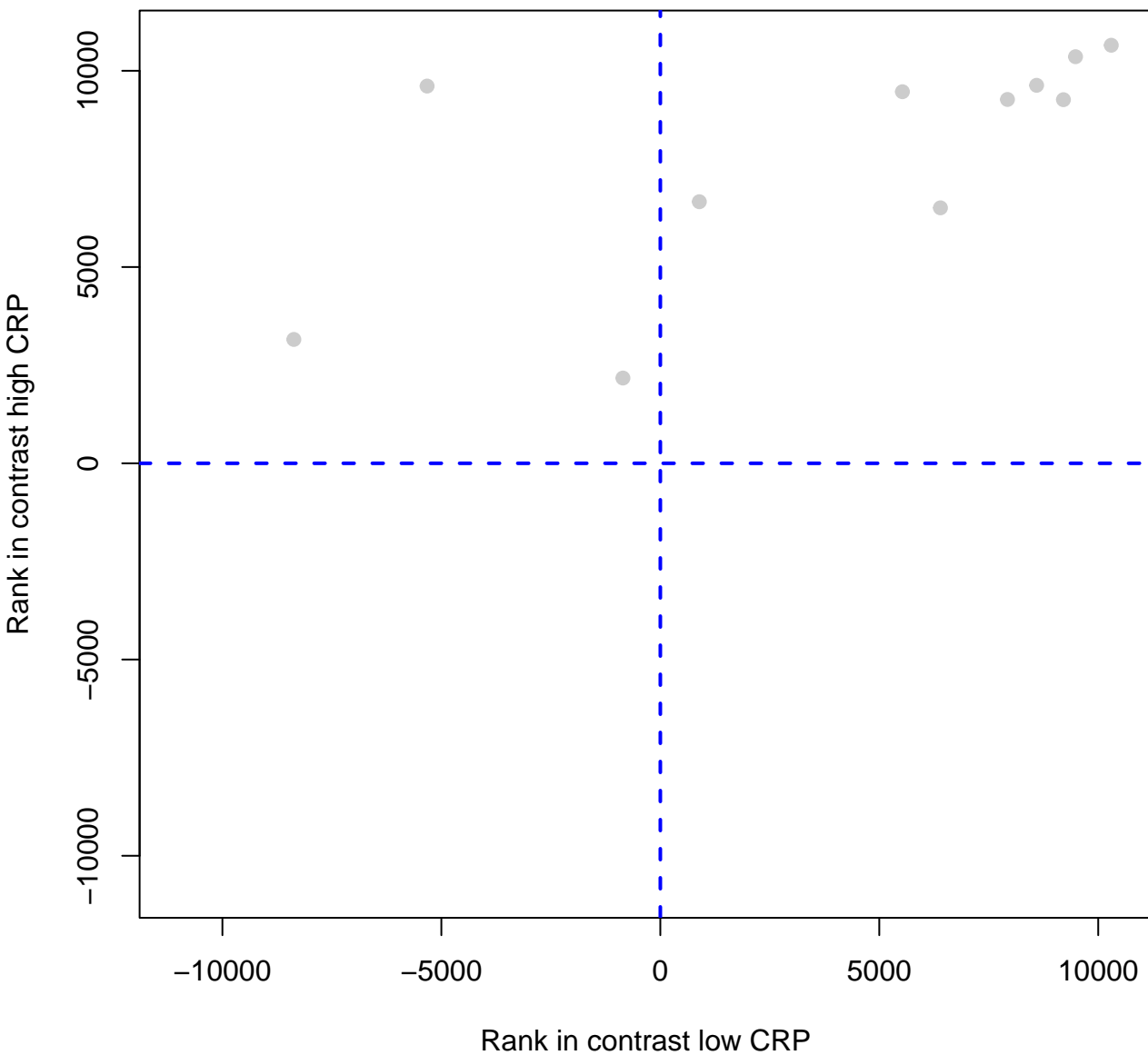


# WNT5A-dependent internalization of FZD2, FZD5 and RO

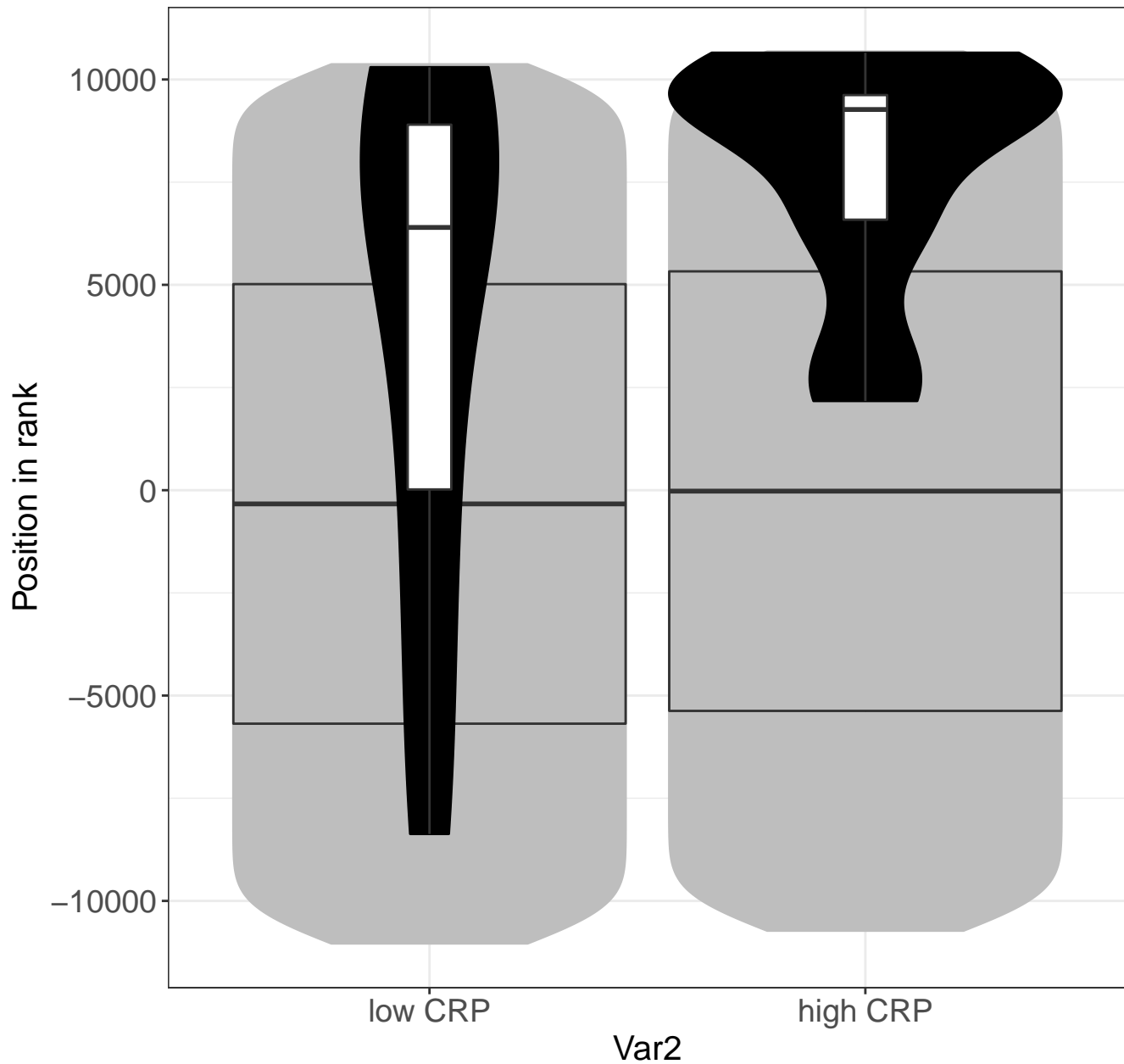




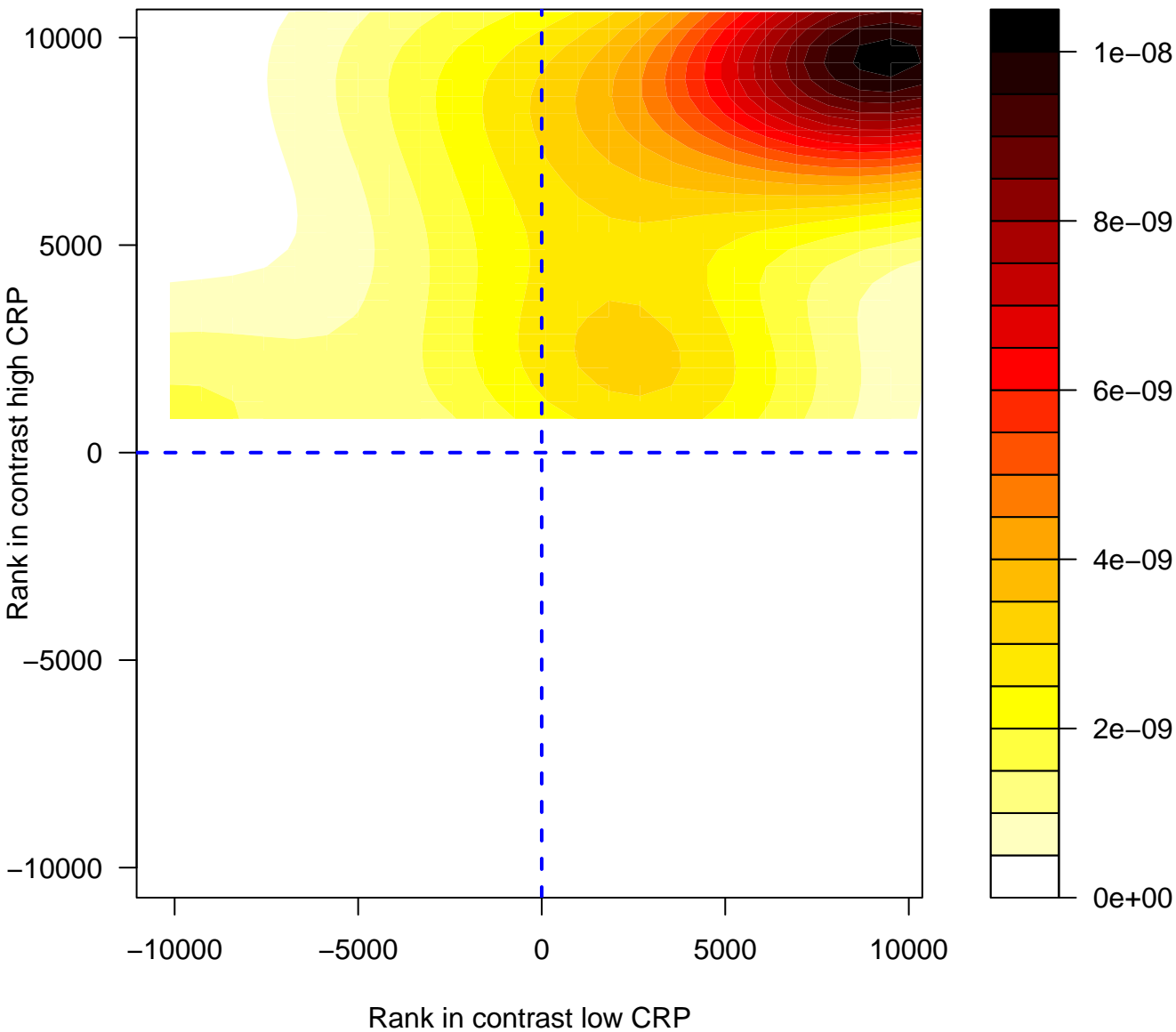
# WNT5A-dependent internalization of FZD2, FZD5 and ROR2



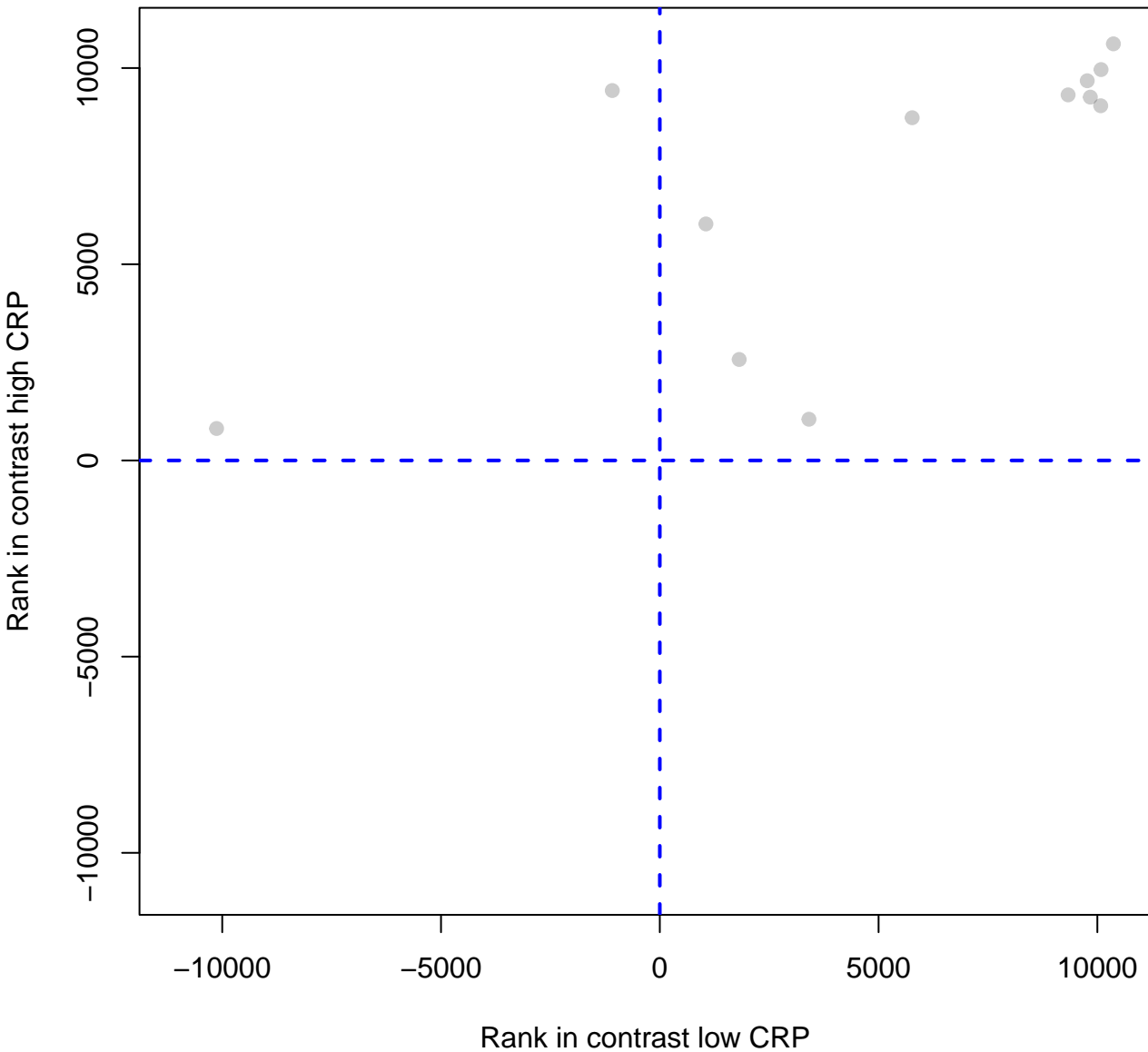
# WNT5A-dependent internalization of FZD2, FZD



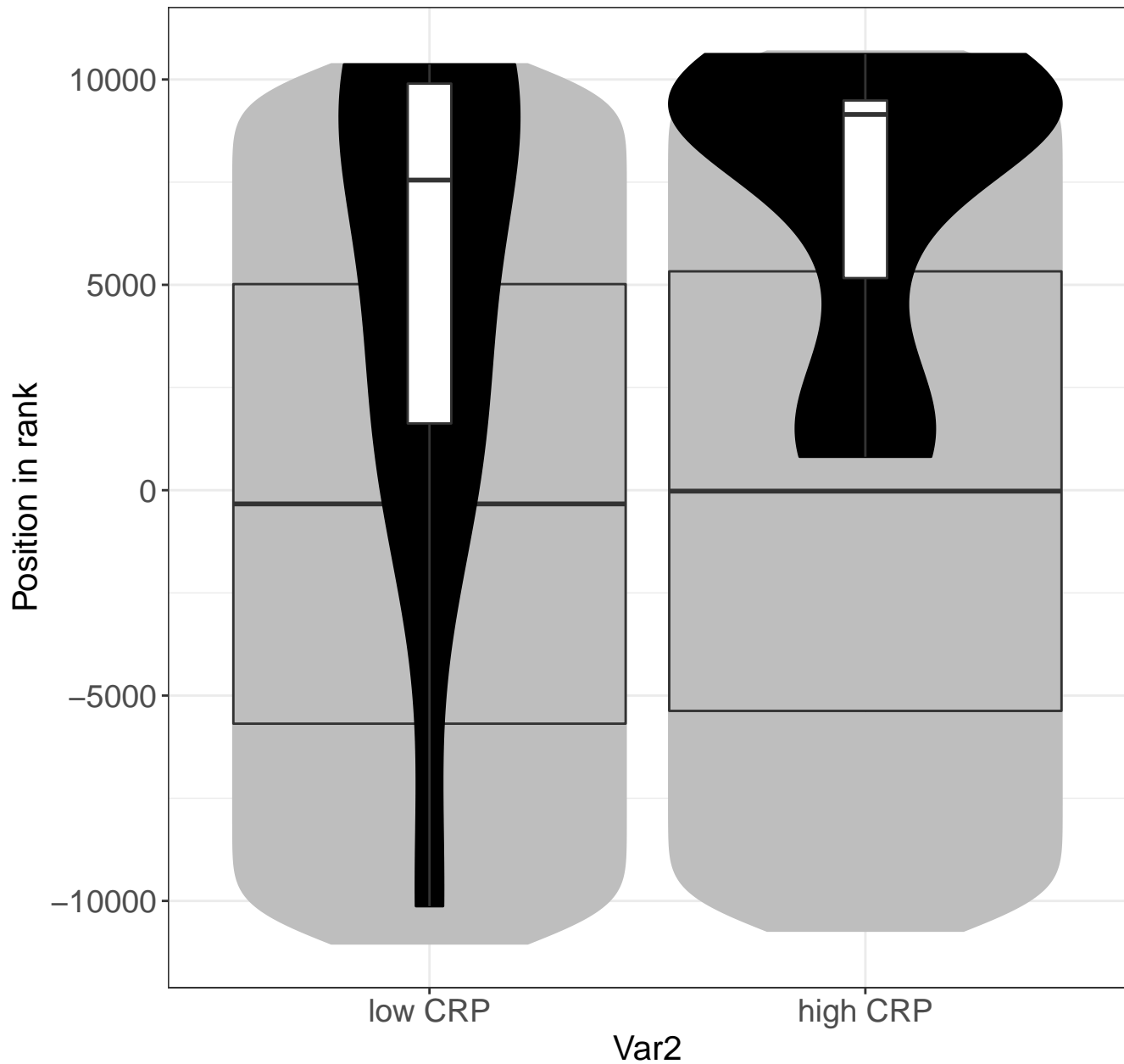
# Advanced glycosylation endproduct receptor signaling



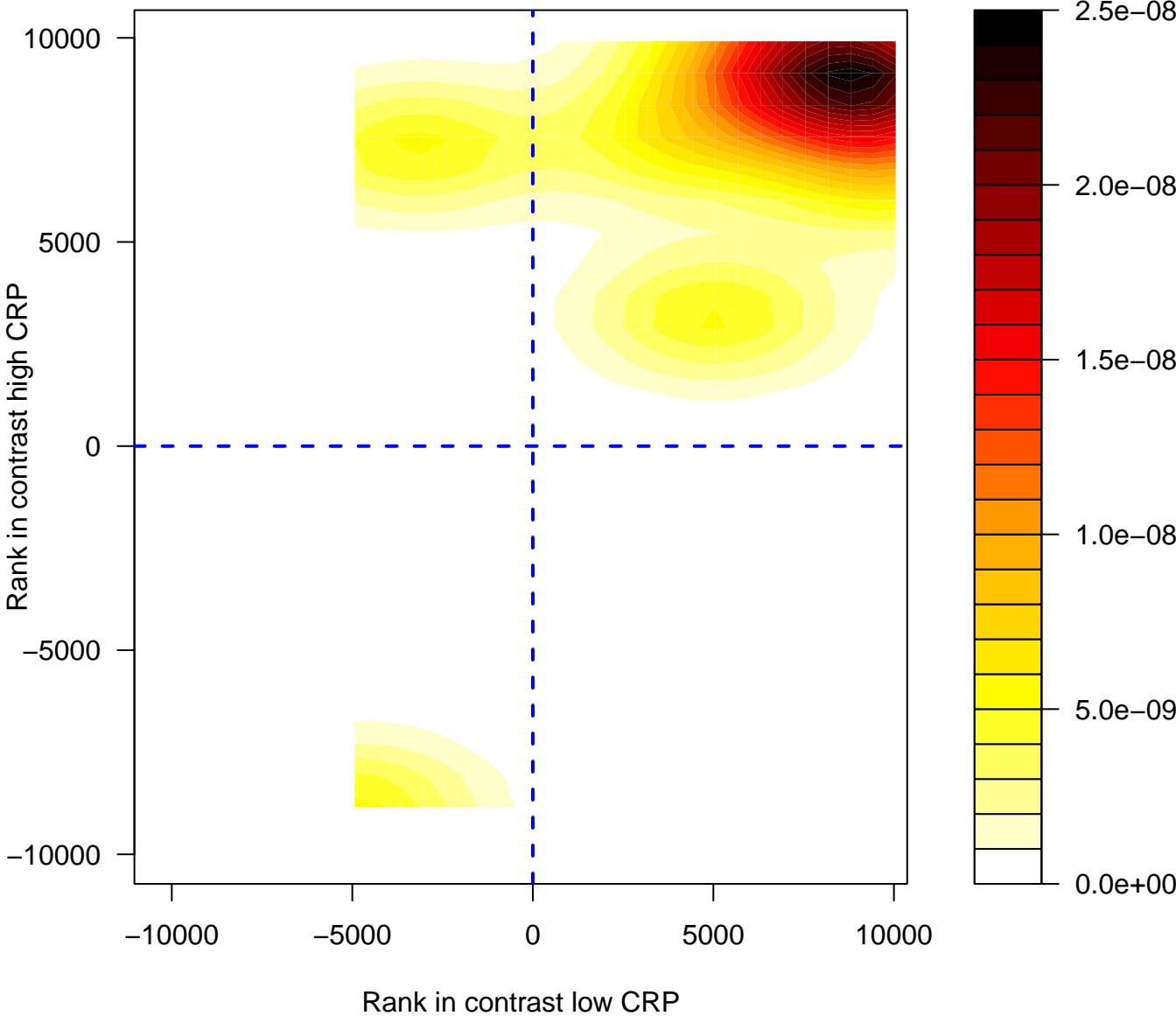
# Advanced glycosylation endproduct receptor signaling



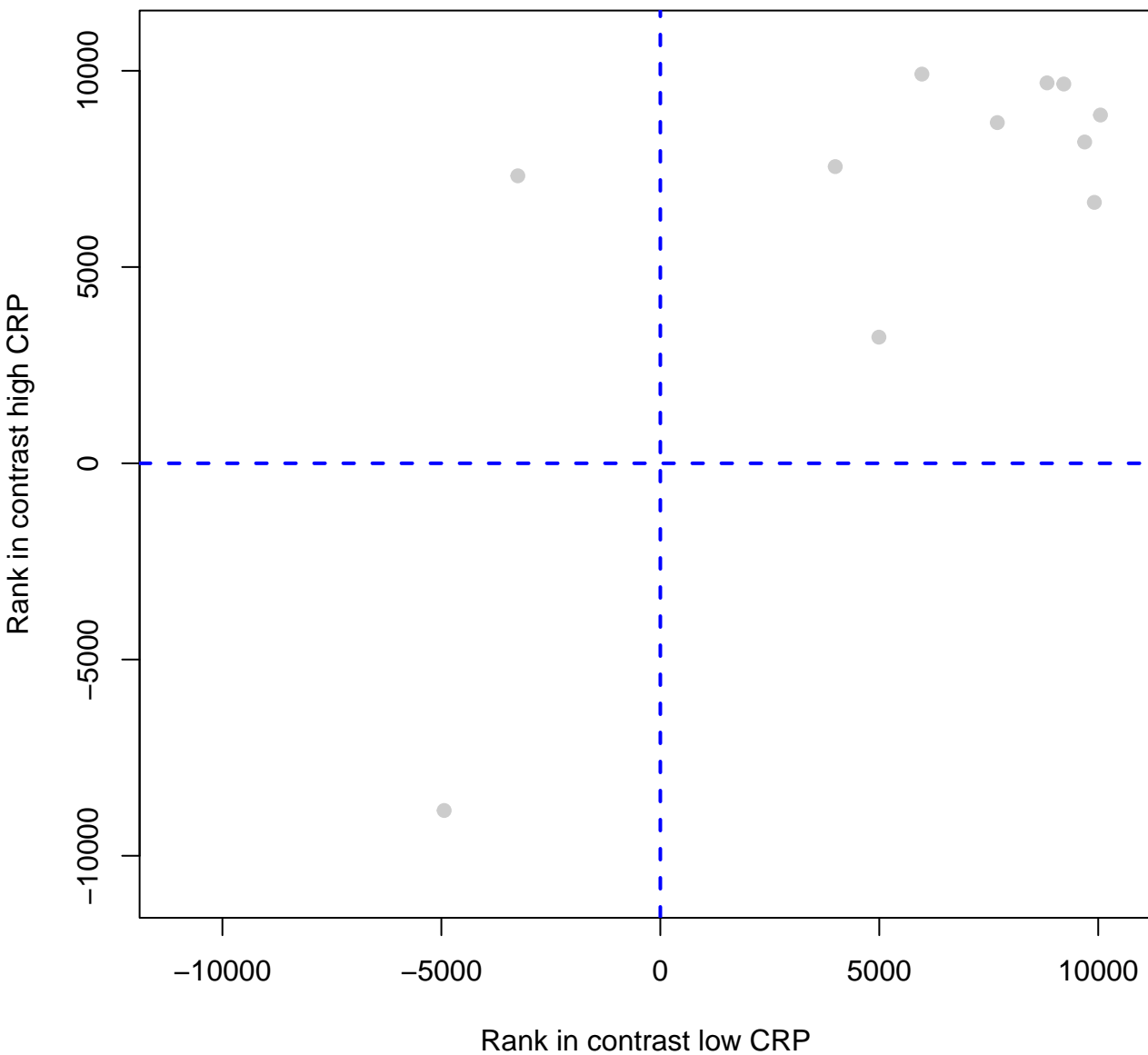
# Advanced glycosylation endproduct receptor sign



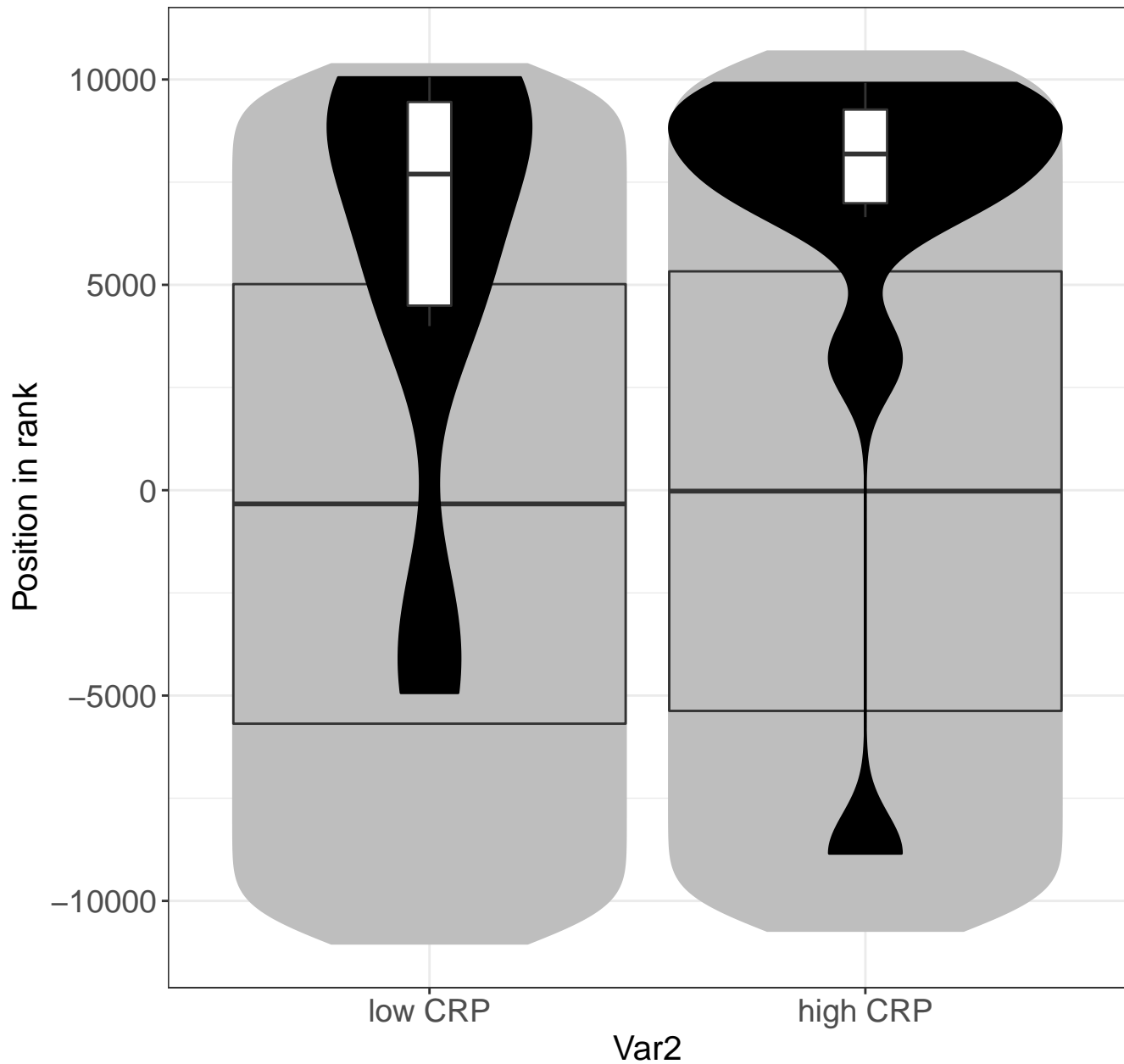
# p130Cas linkage to MAPK signaling for integrins



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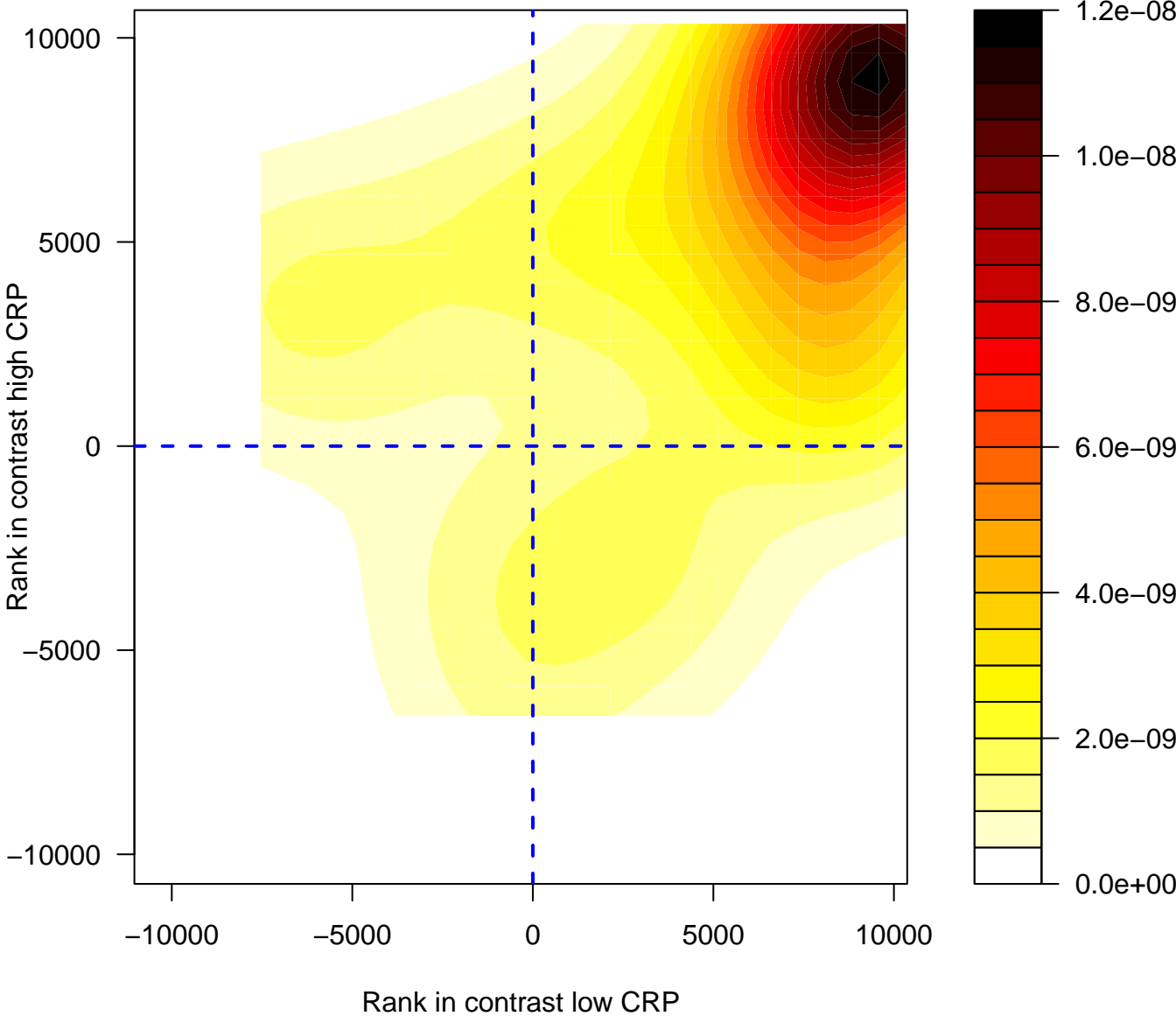


# p130Cas linkage to MAPK signaling for integrins

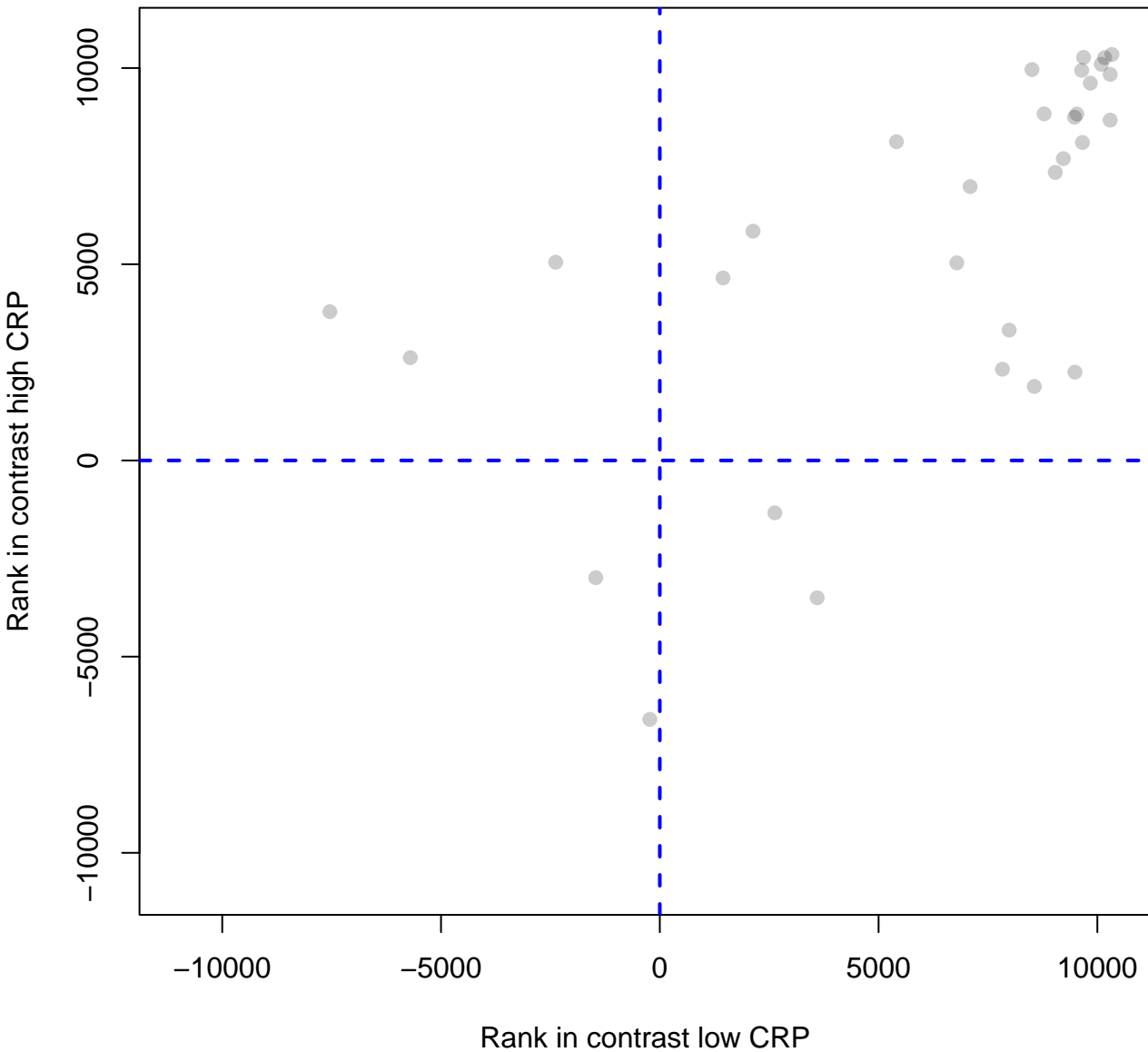




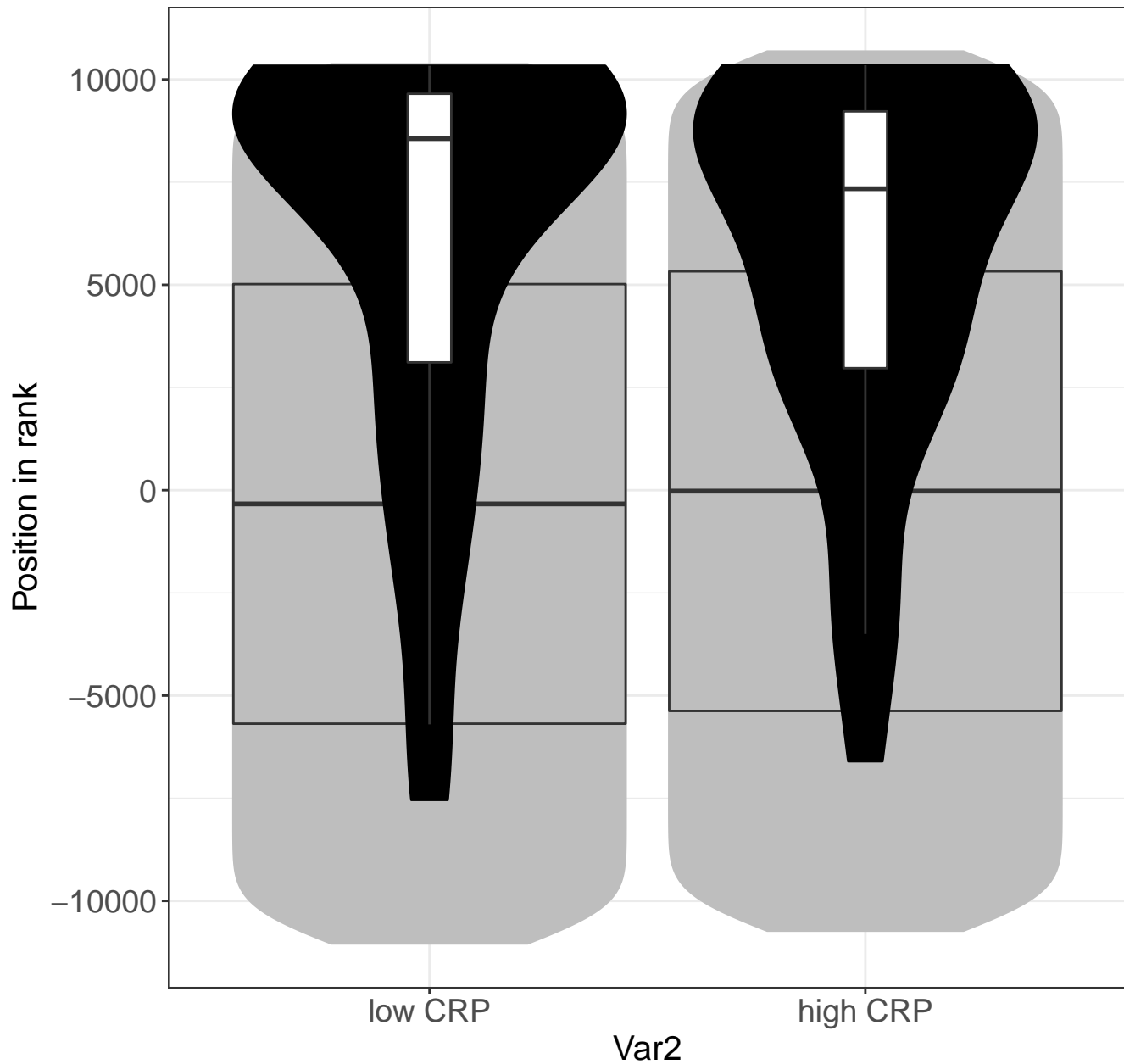
# Detoxification of Reactive Oxygen Species



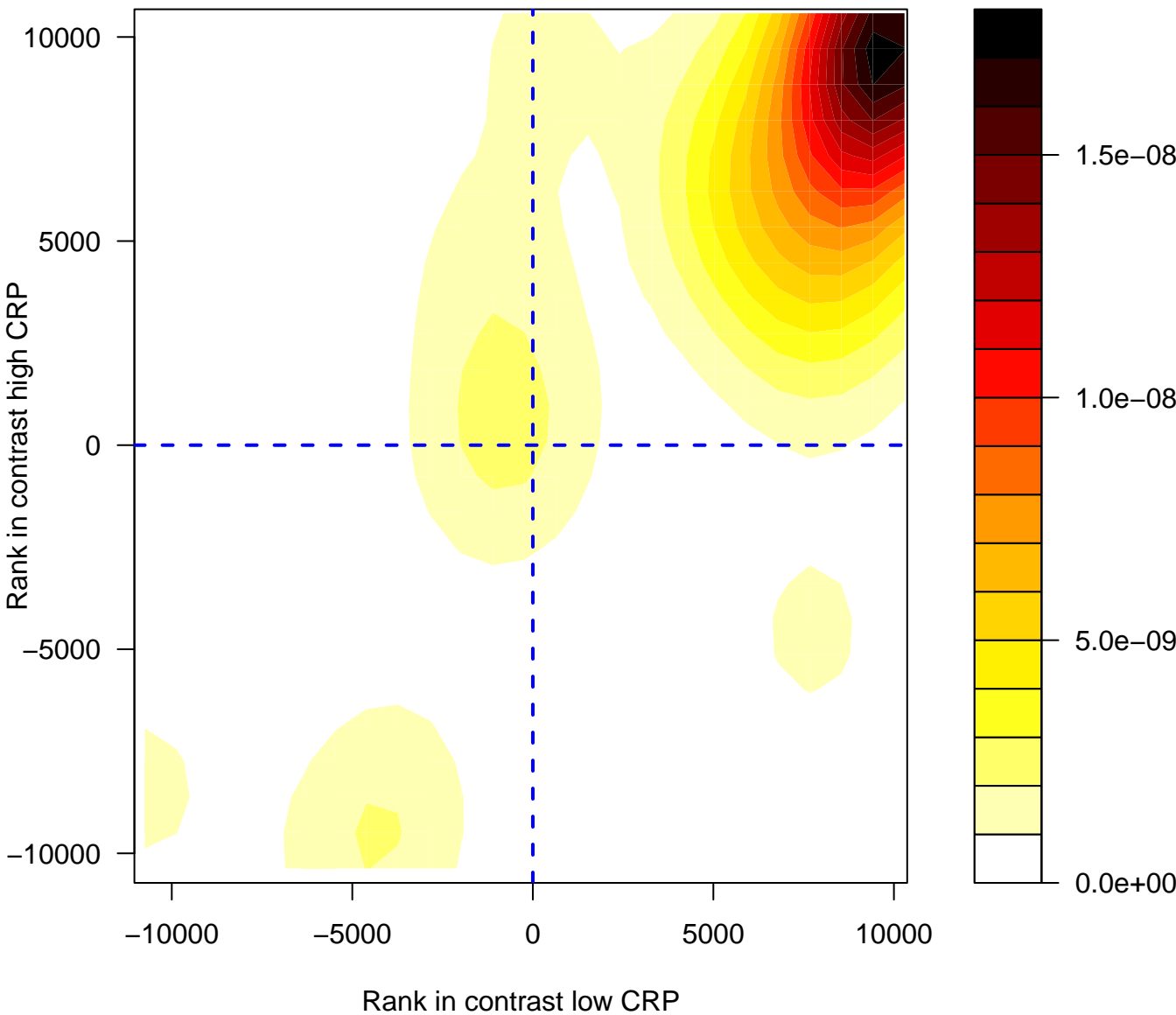
# Detoxification of Reactive Oxygen Species



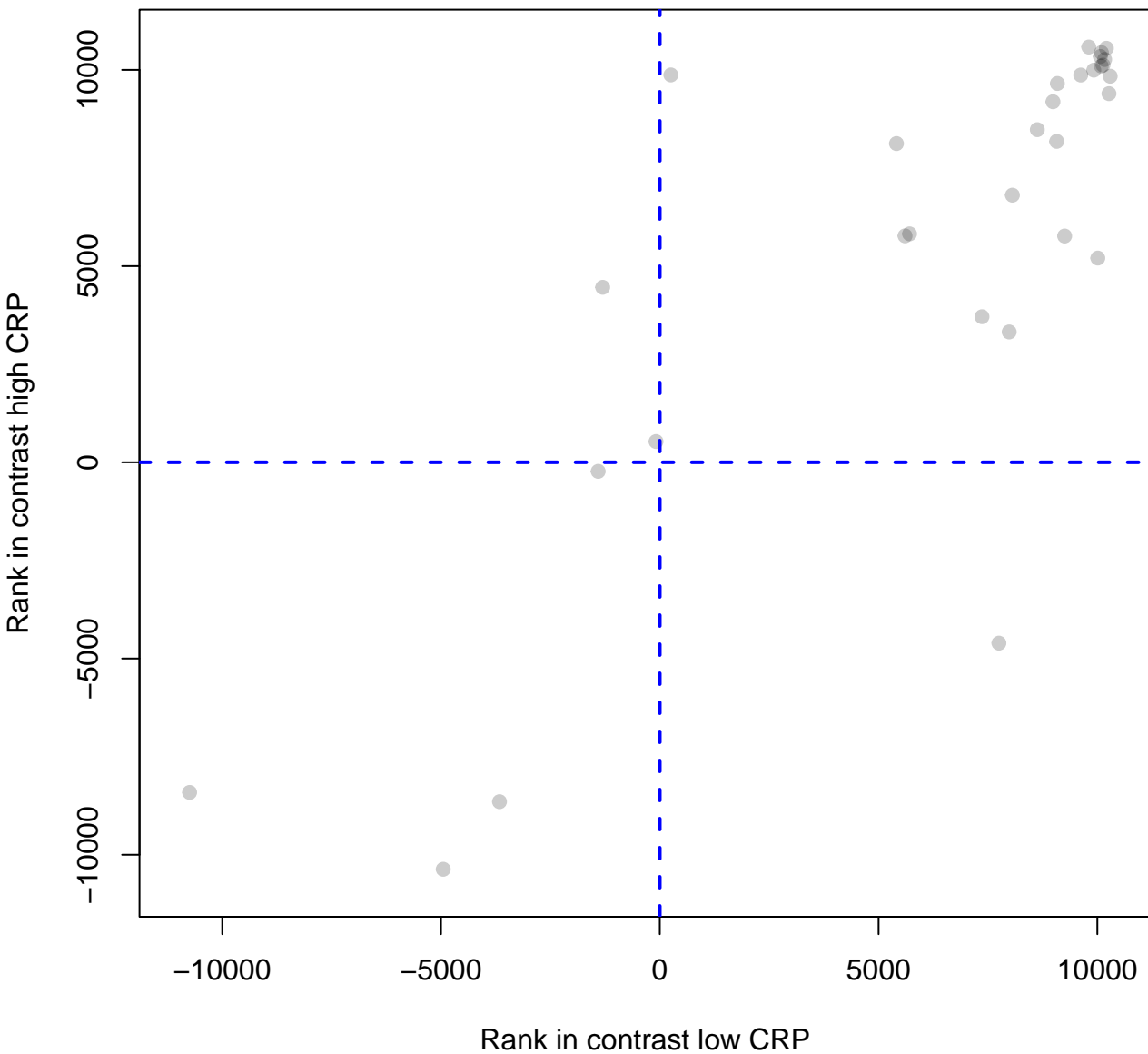
# Detoxification of Reactive Oxygen Species



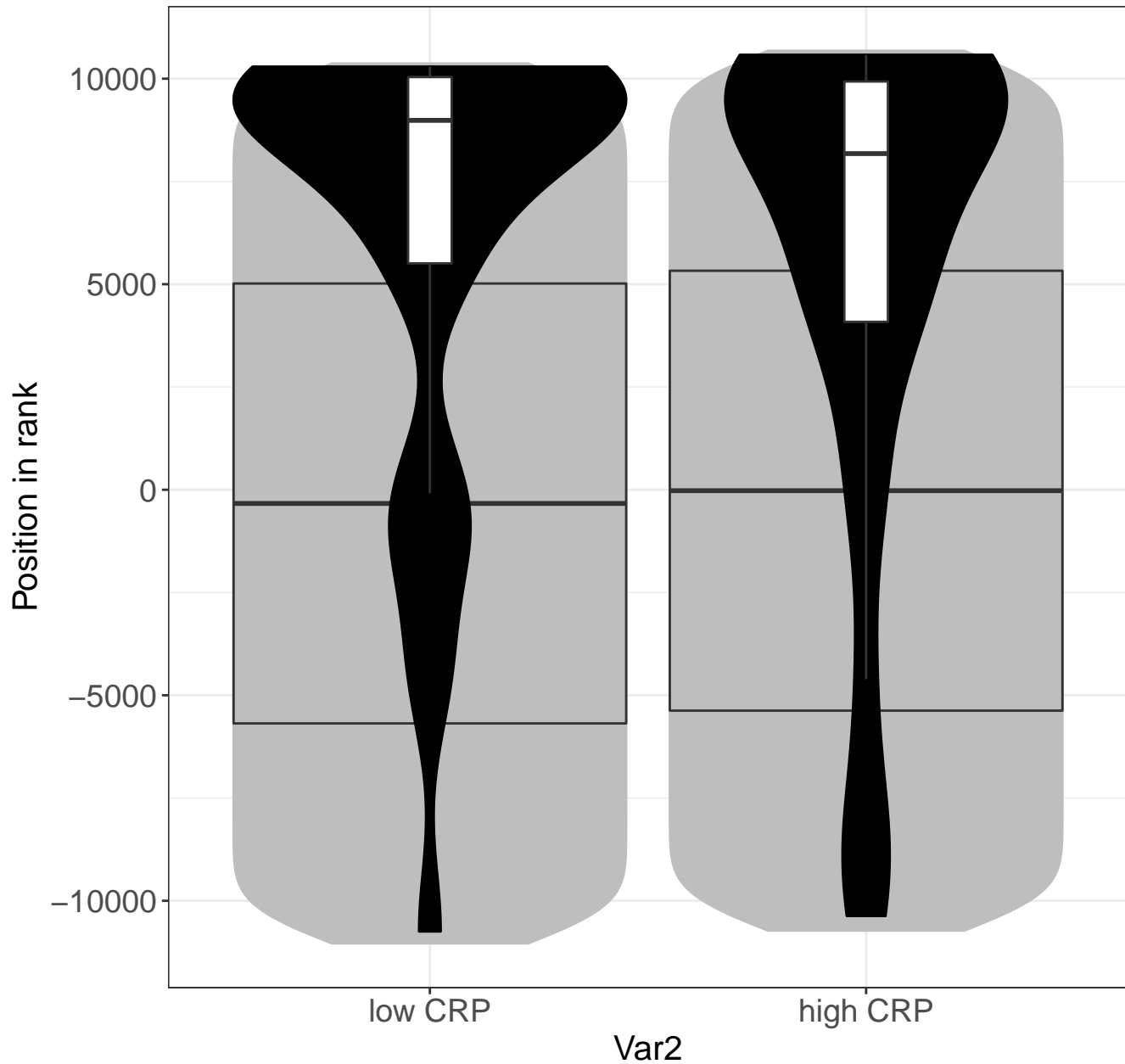
# ROS and RNS production in phagocytes



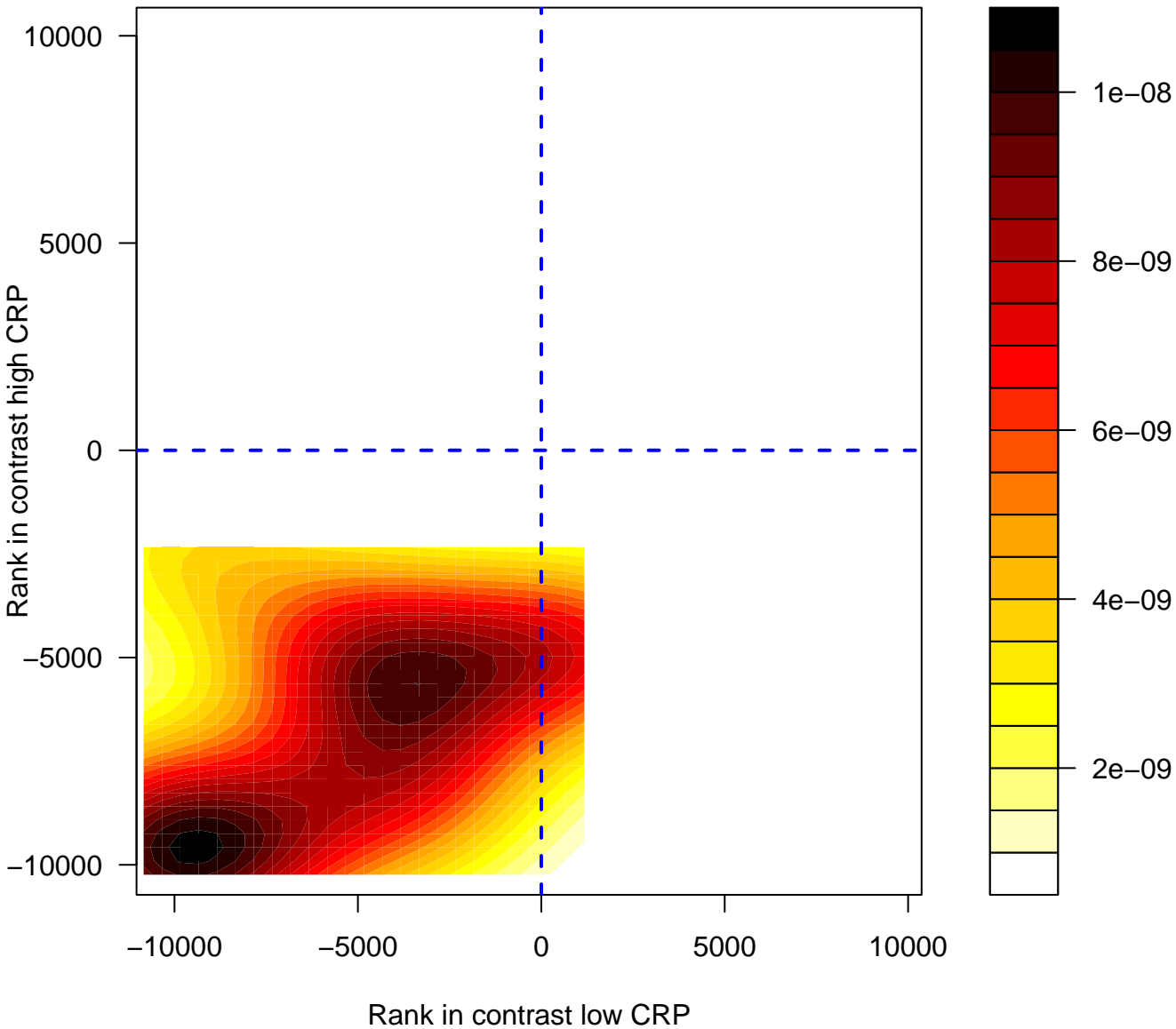
# ROS and RNS production in phagocytes



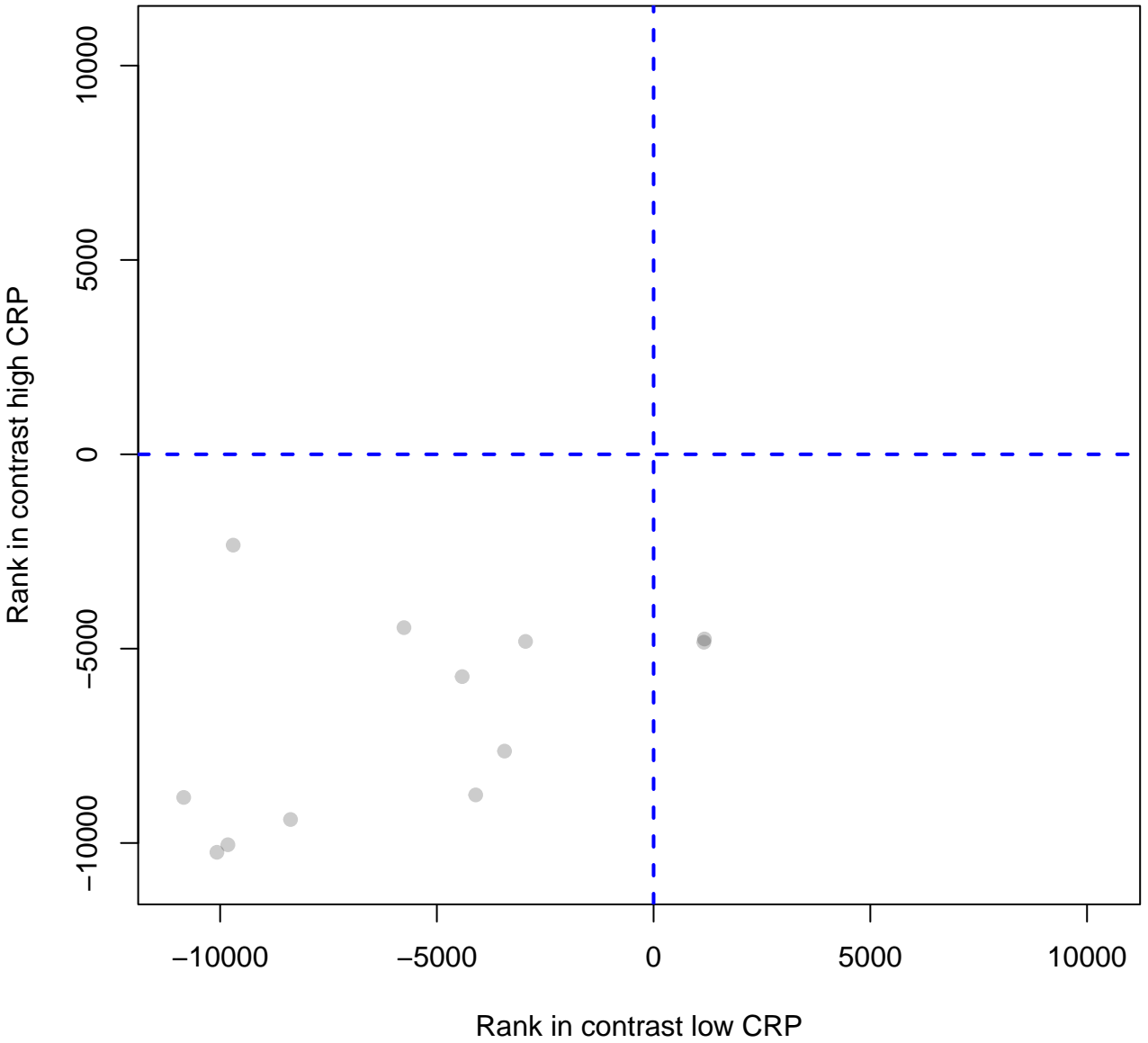
# ROS and RNS production in phagocytes



# Unwinding of DNA

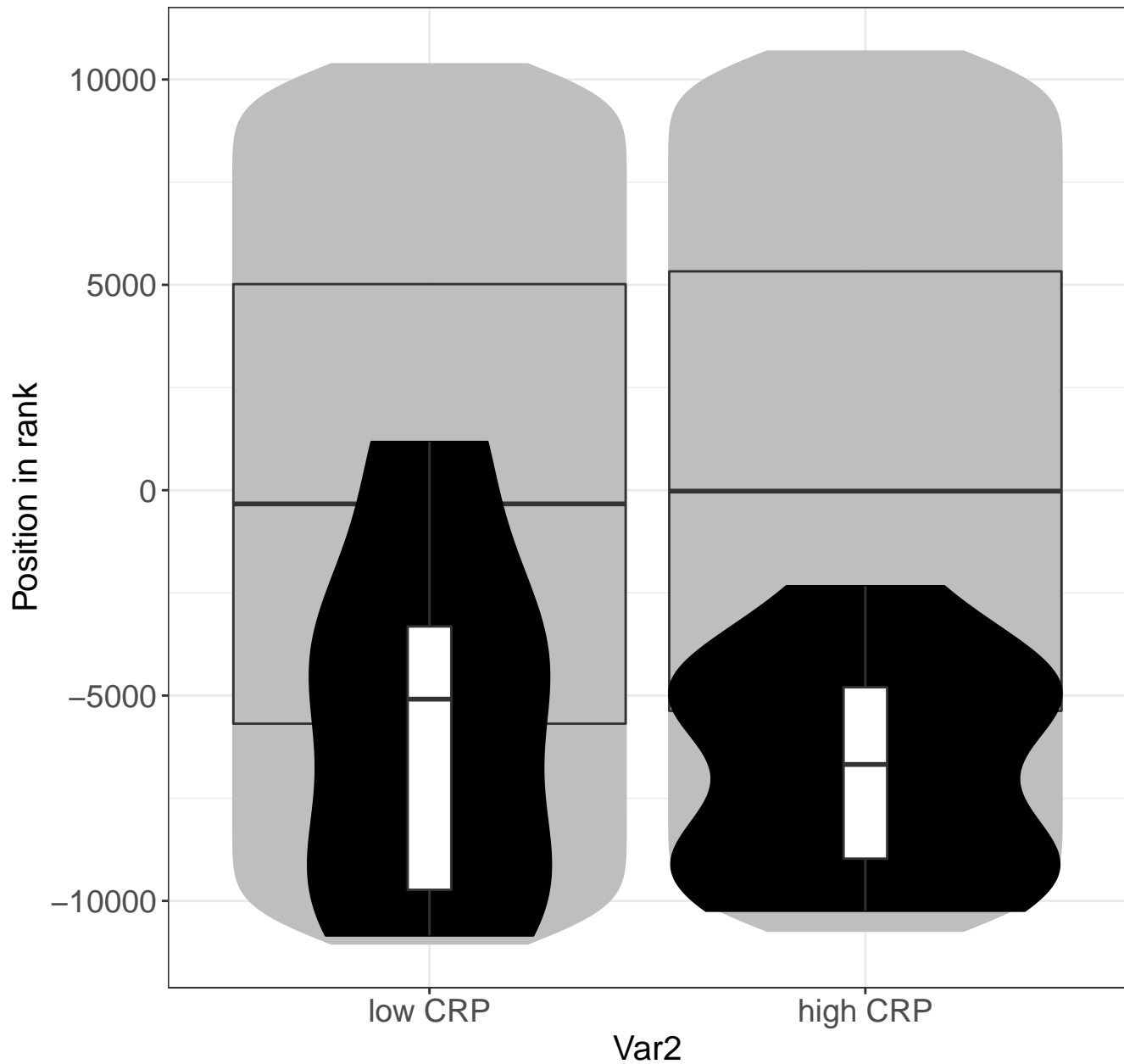


# Unwinding of DNA

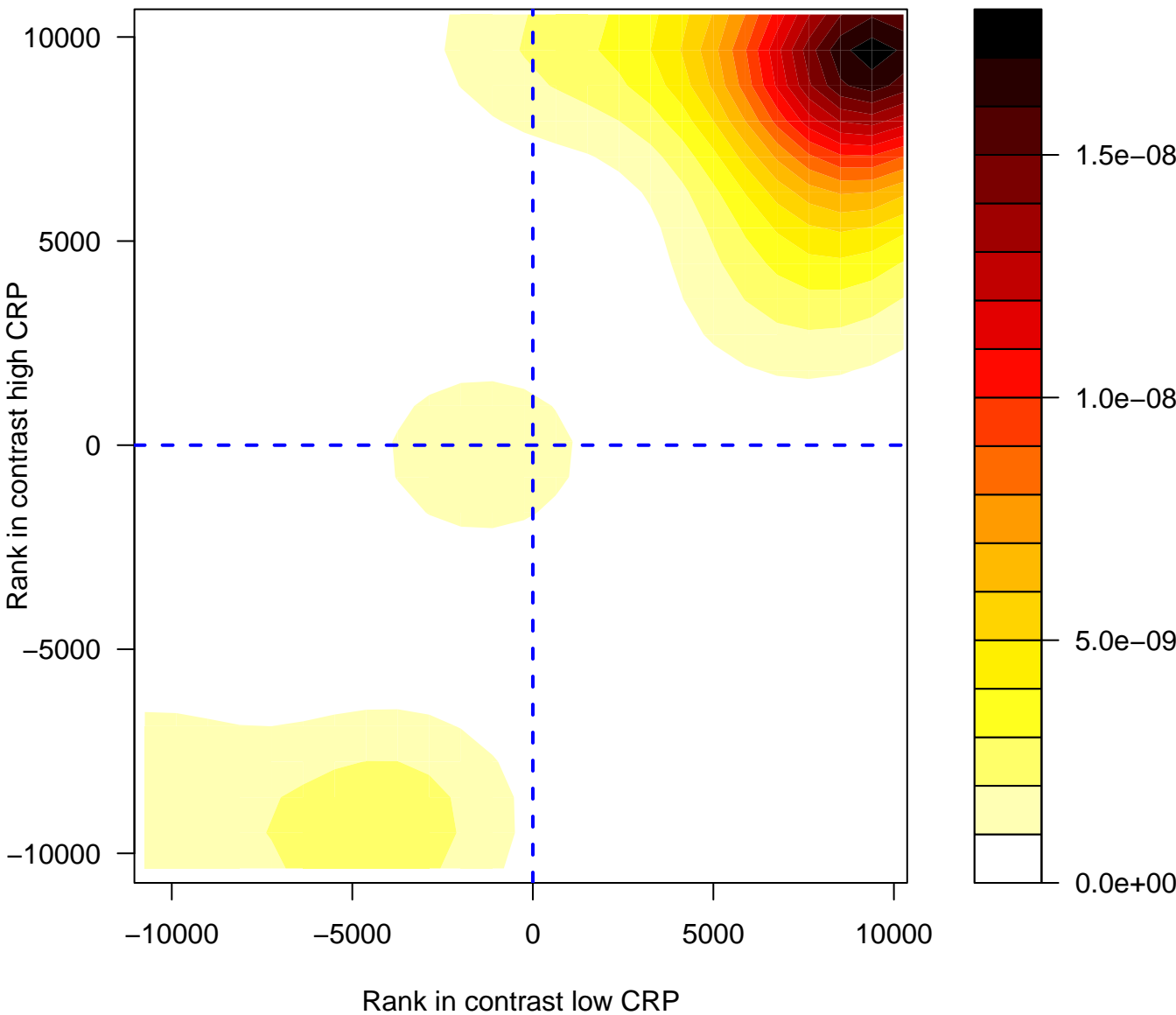




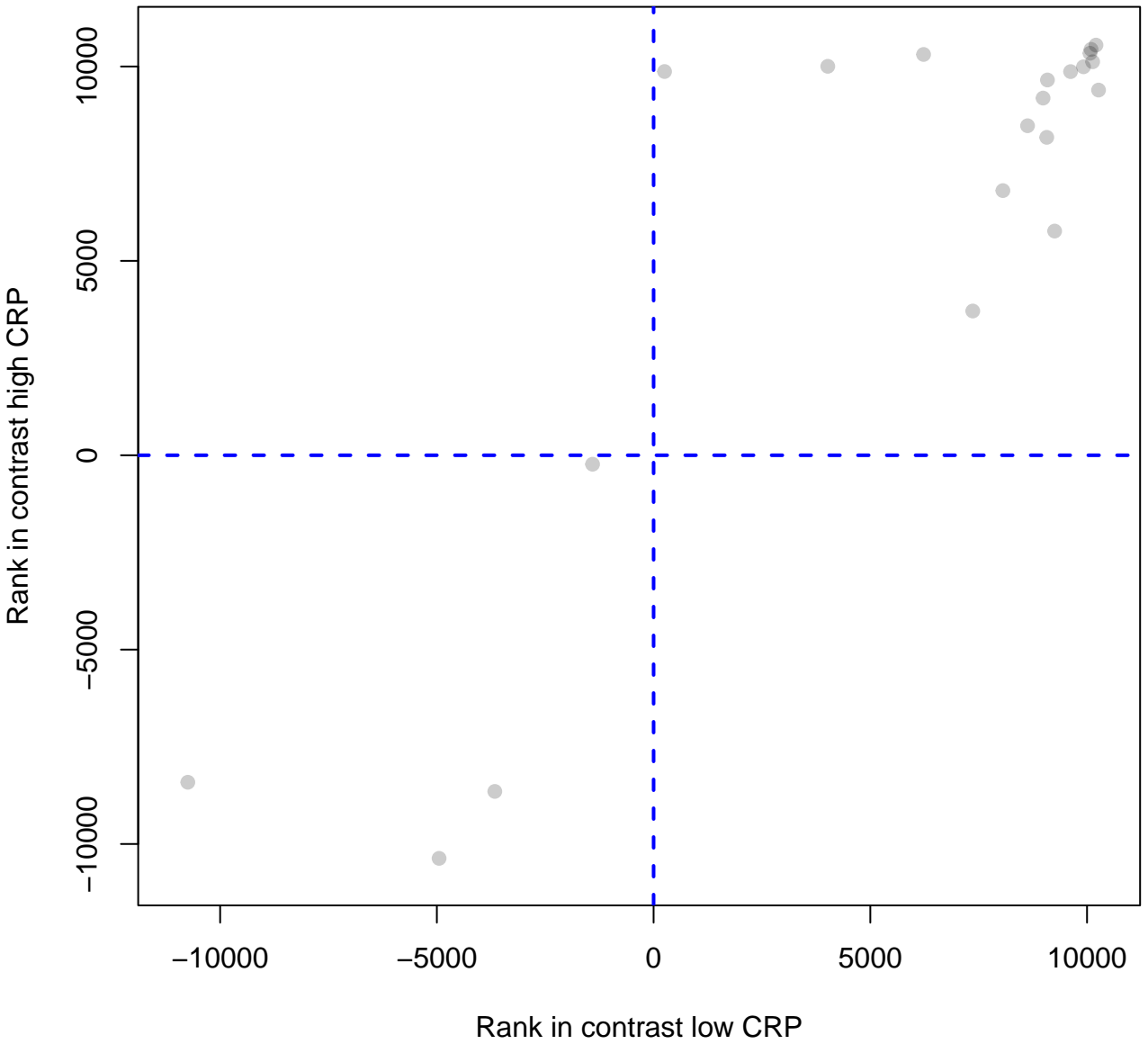
# Unwinding of DNA



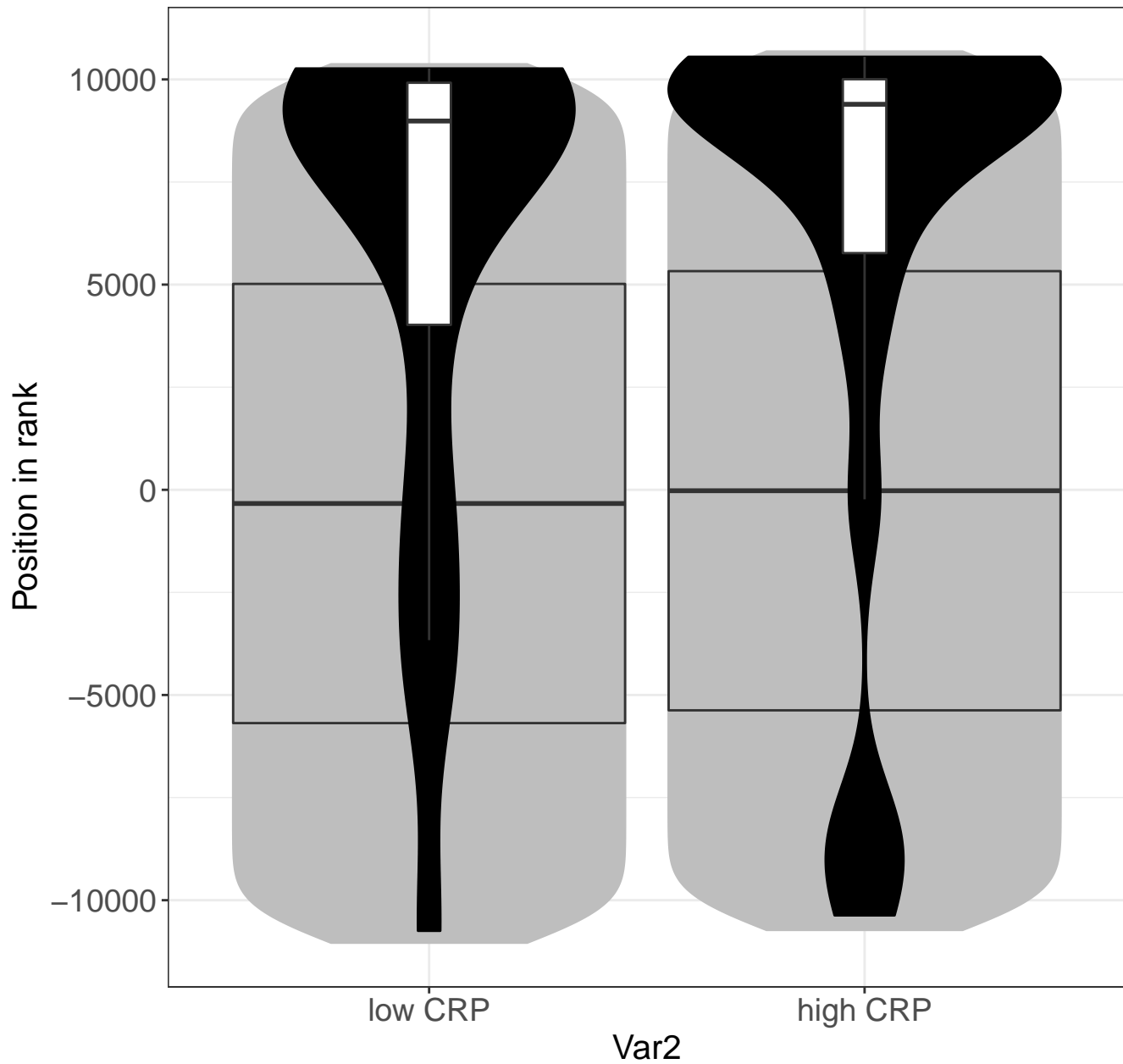
# Insulin receptor recycling



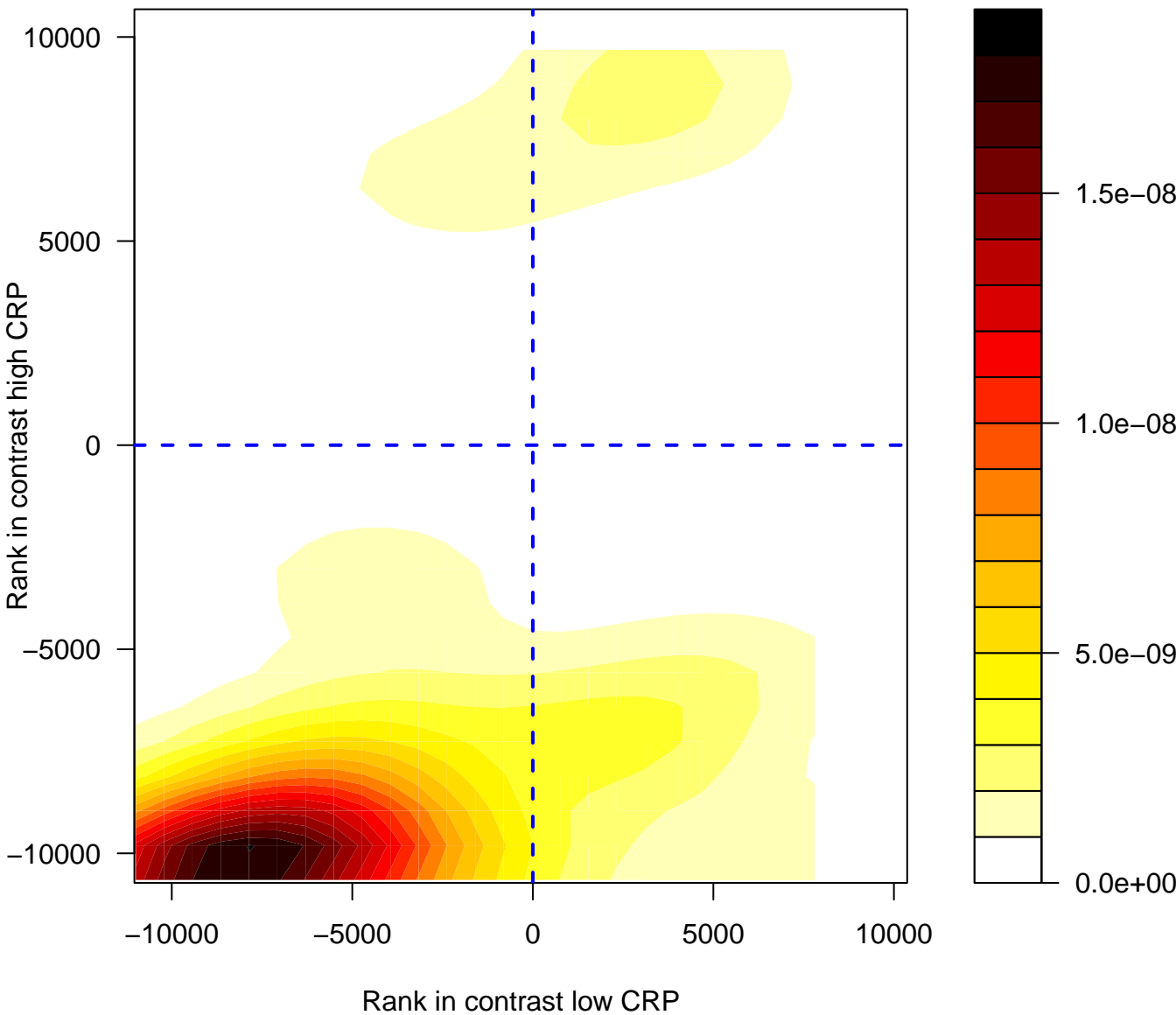
# Insulin receptor recycling



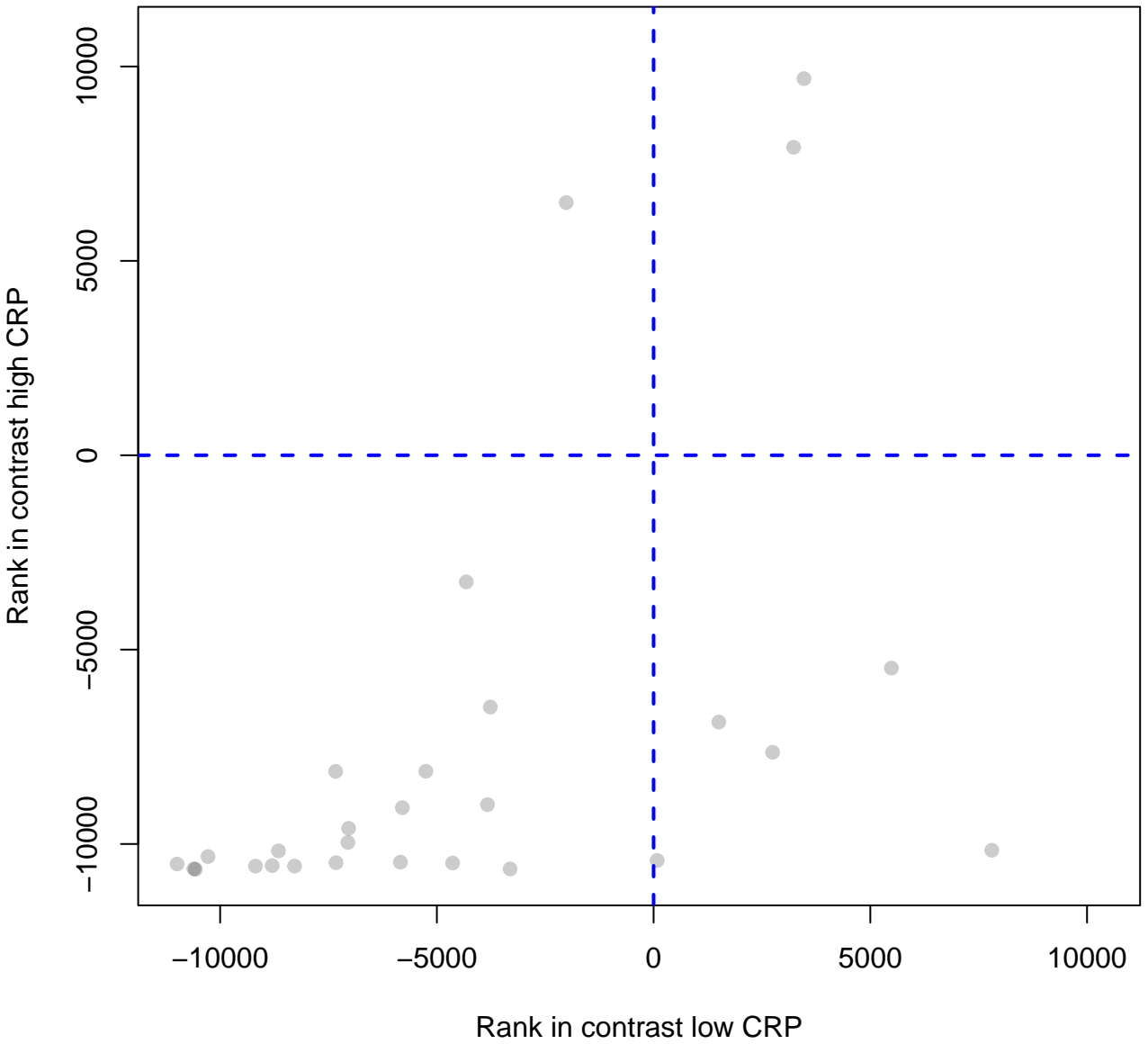
# Insulin receptor recycling



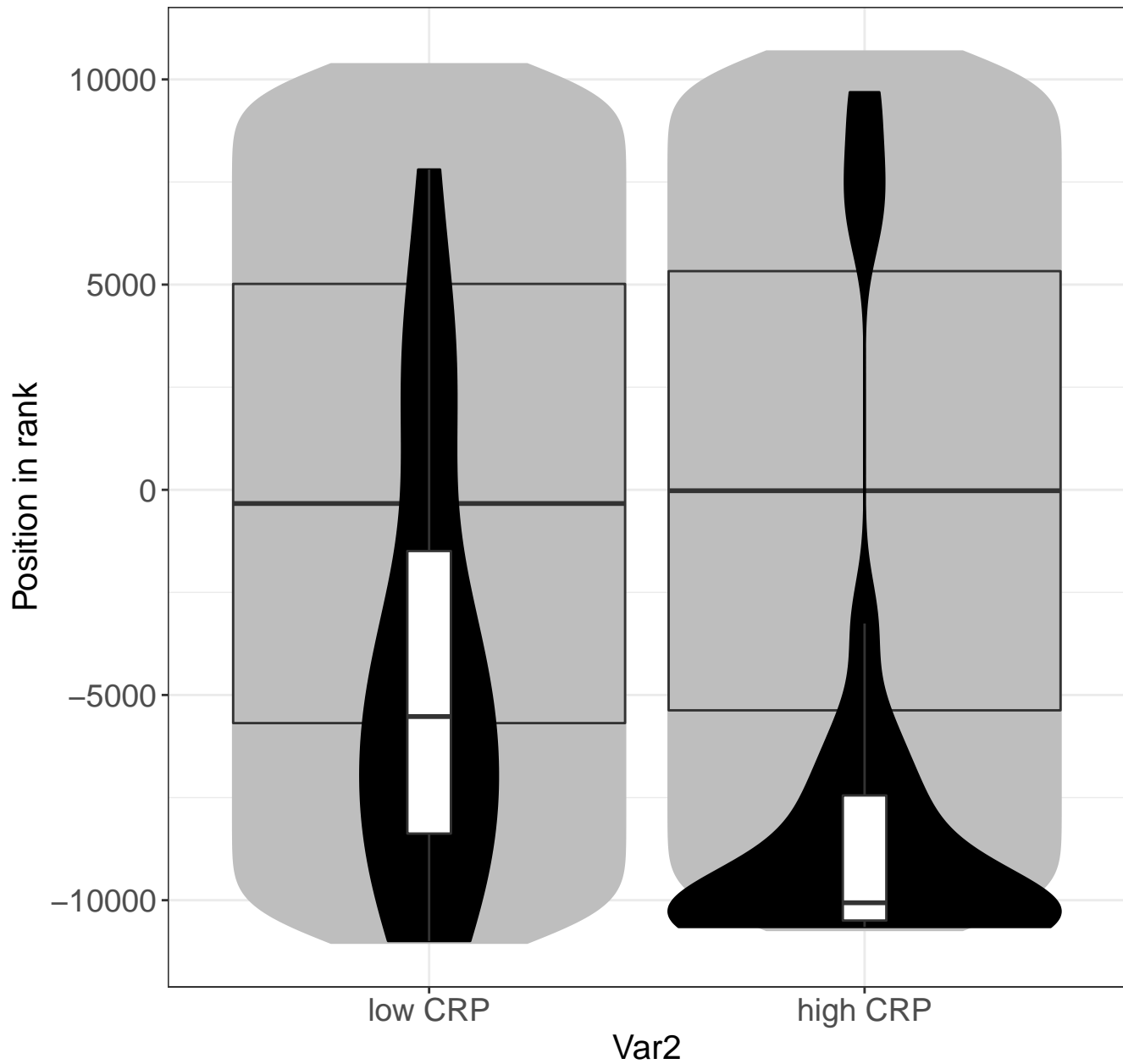
# PD-1 signaling



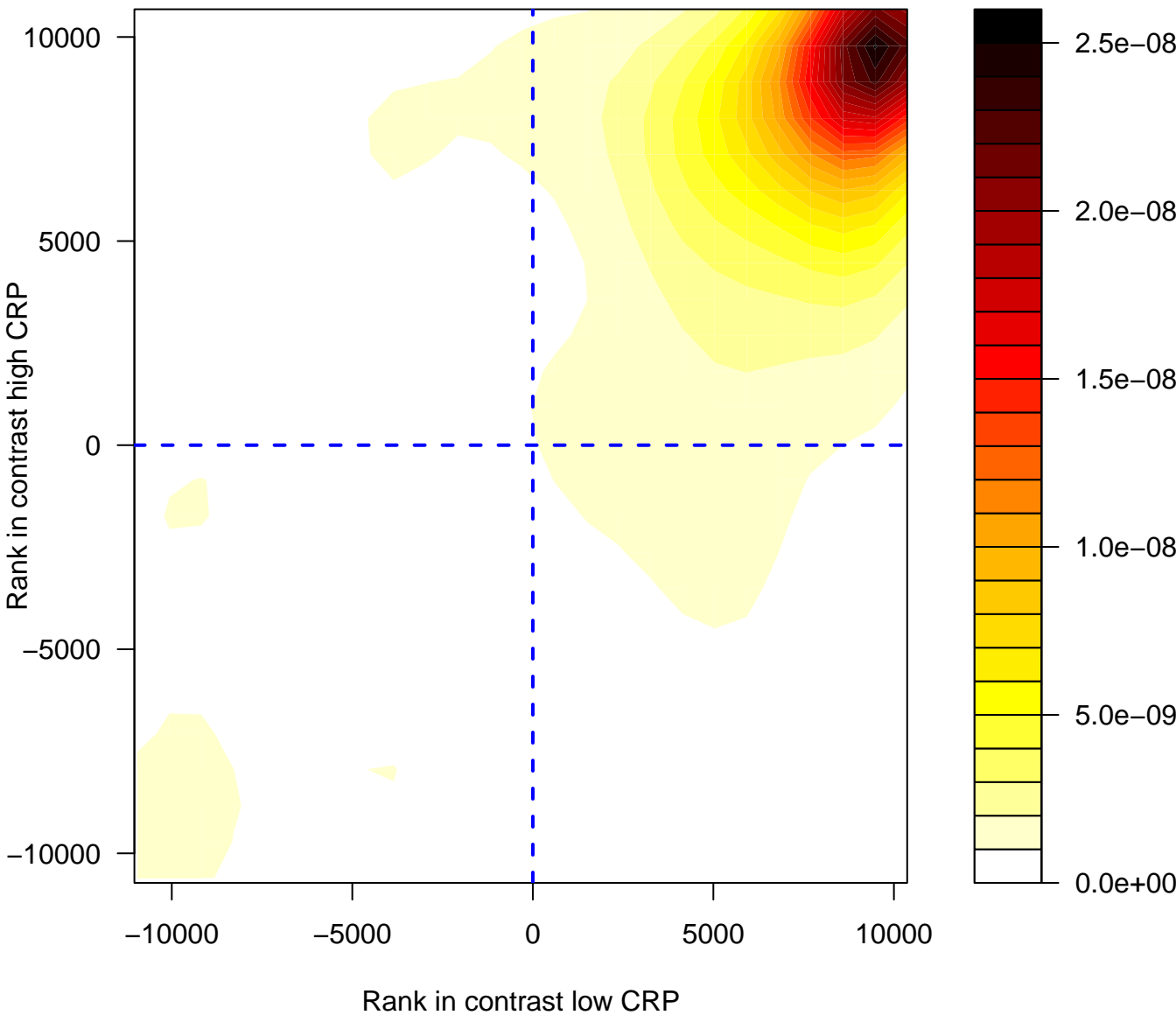
# PD-1 signaling



# PD-1 signaling

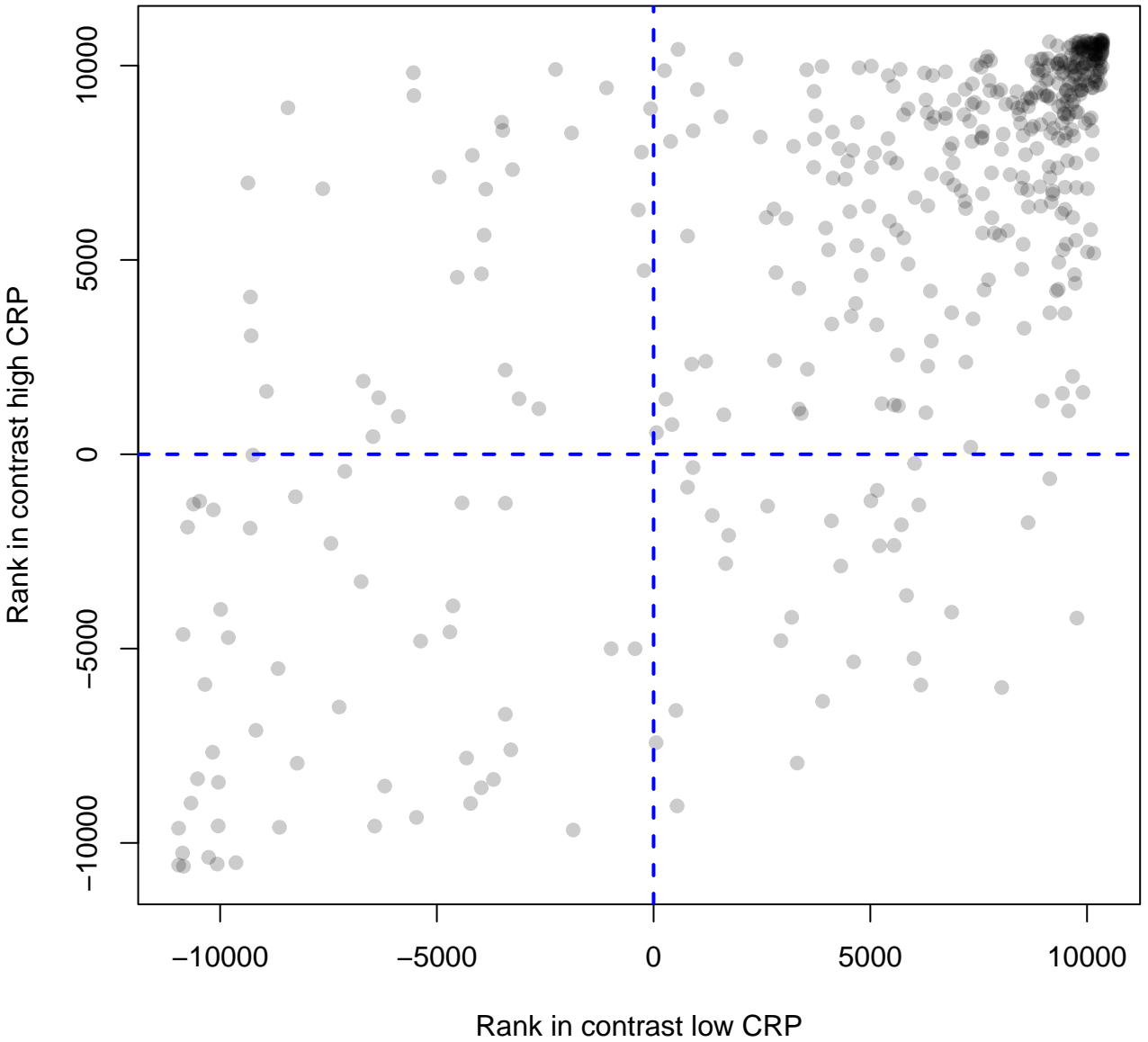


# Neutrophil degranulation

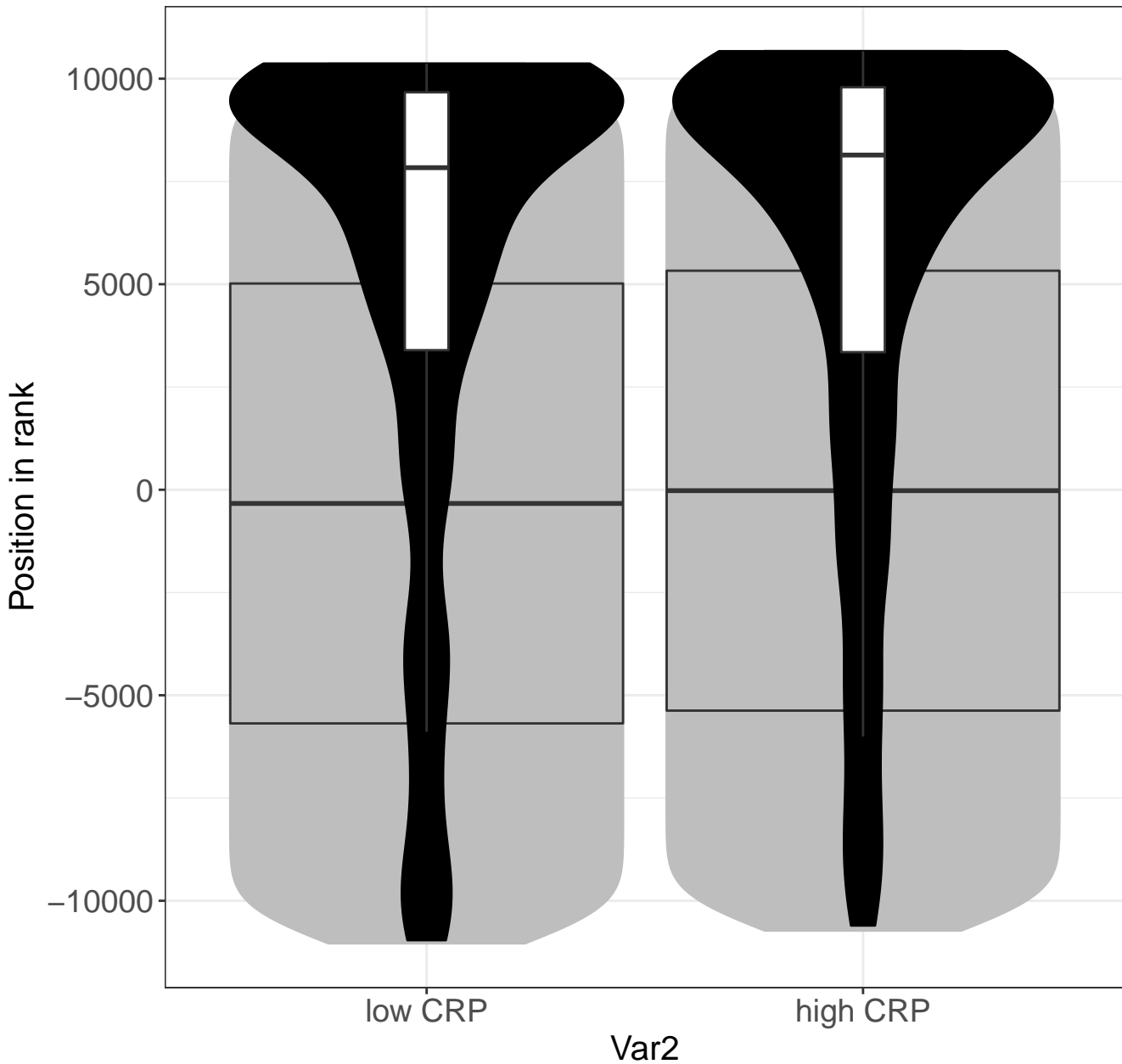




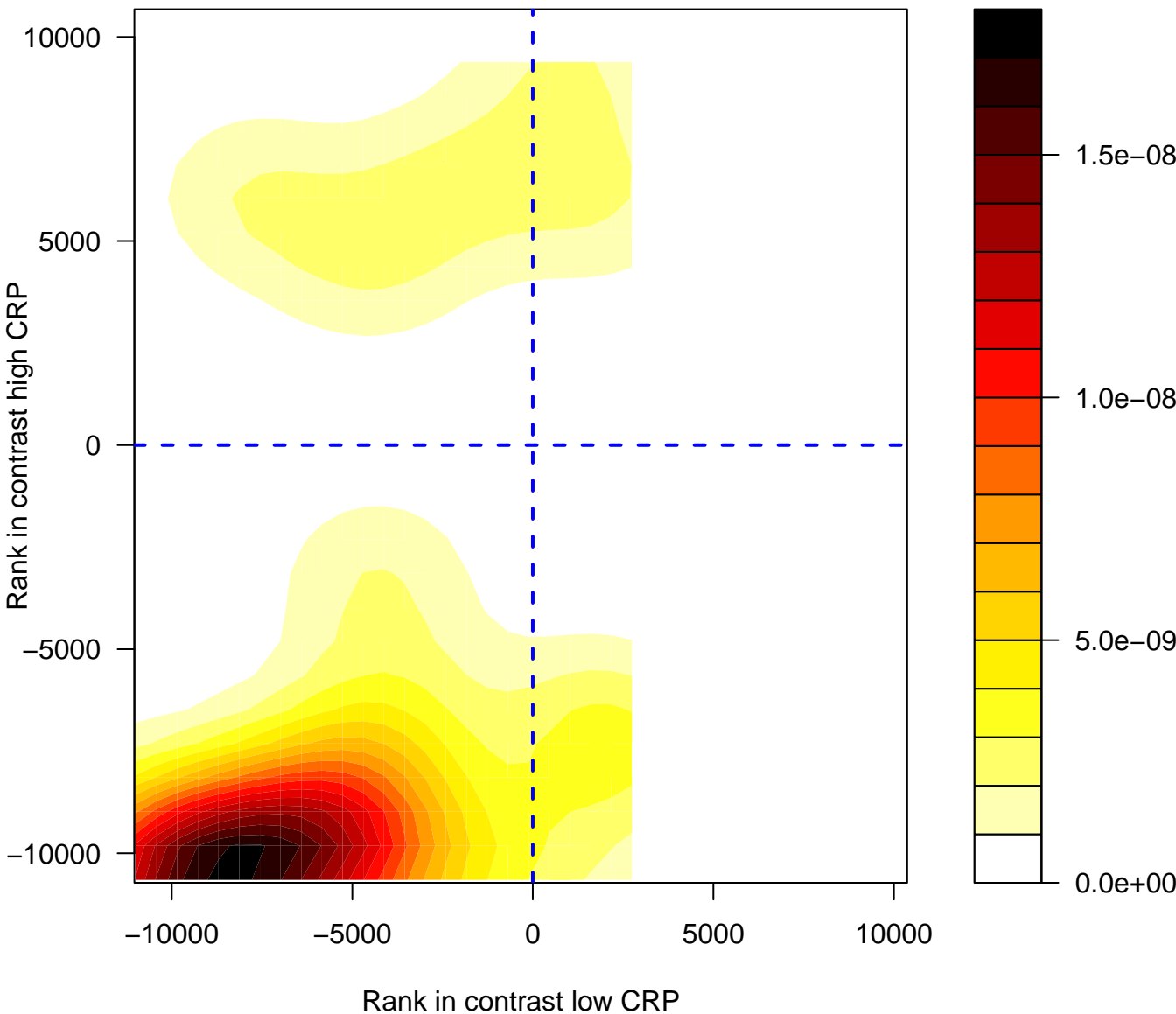
# Neutrophil degranulation



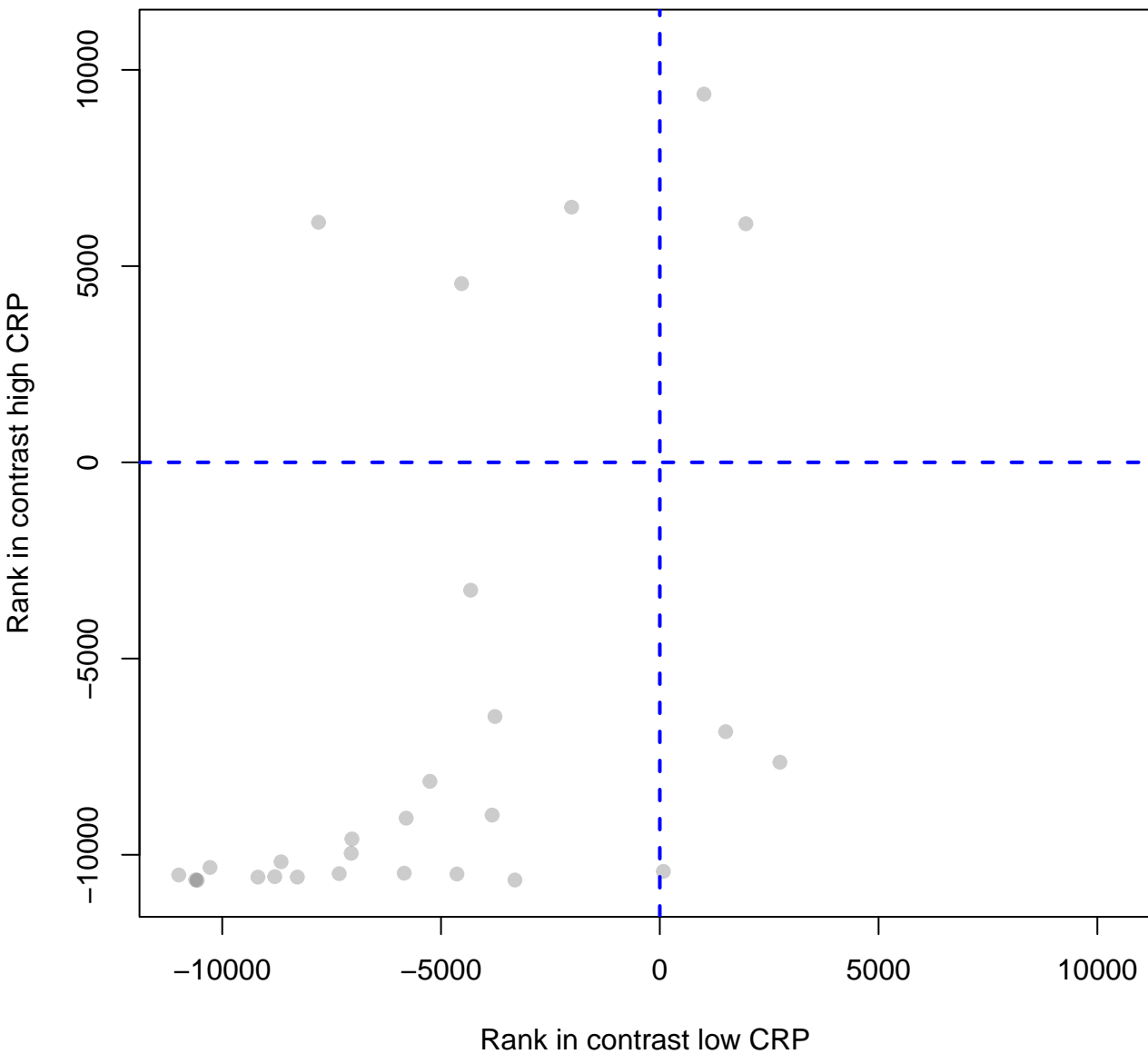
# Neutrophil degranulation



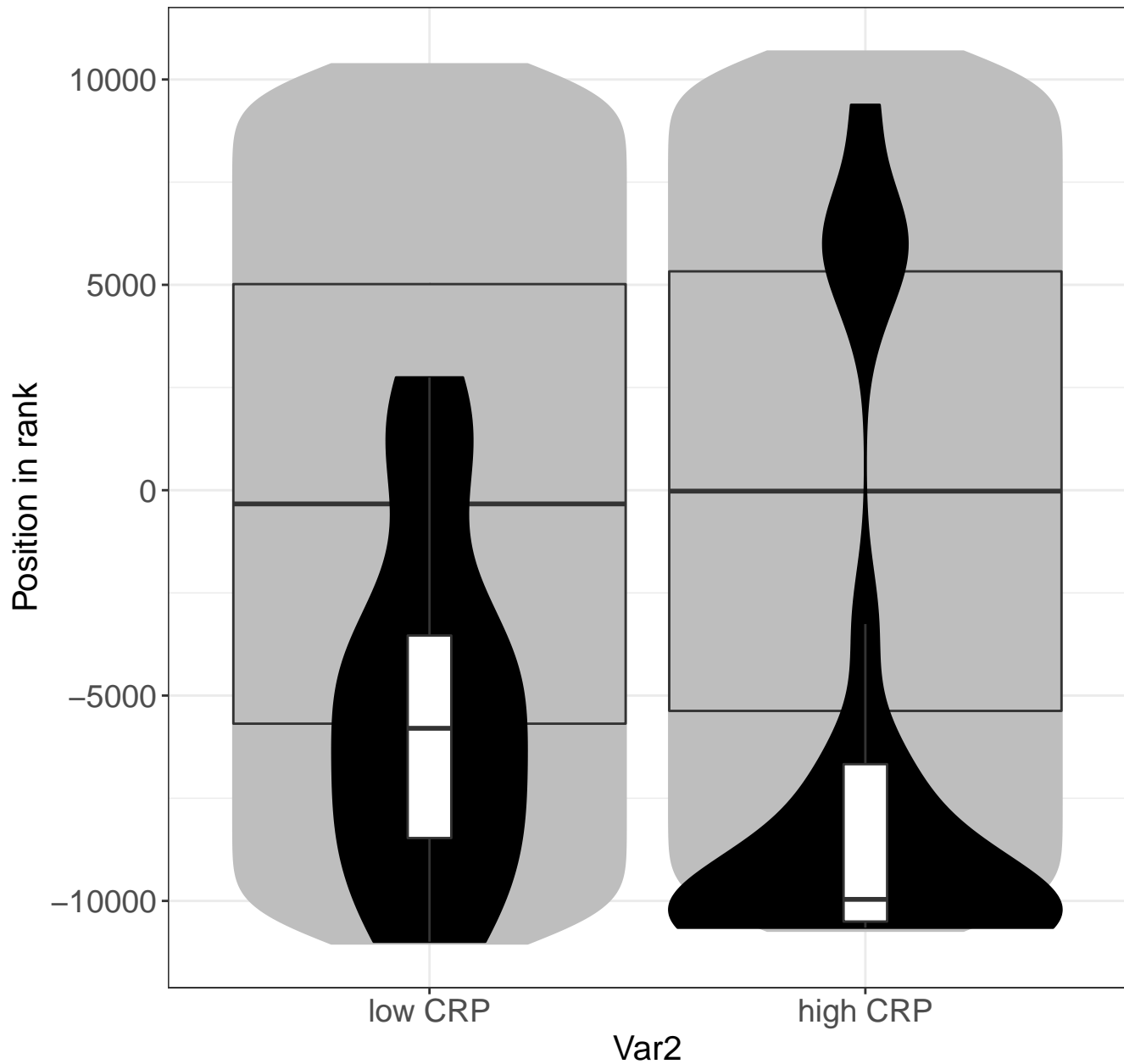
# Phosphorylation of CD3 and TCR zeta chains



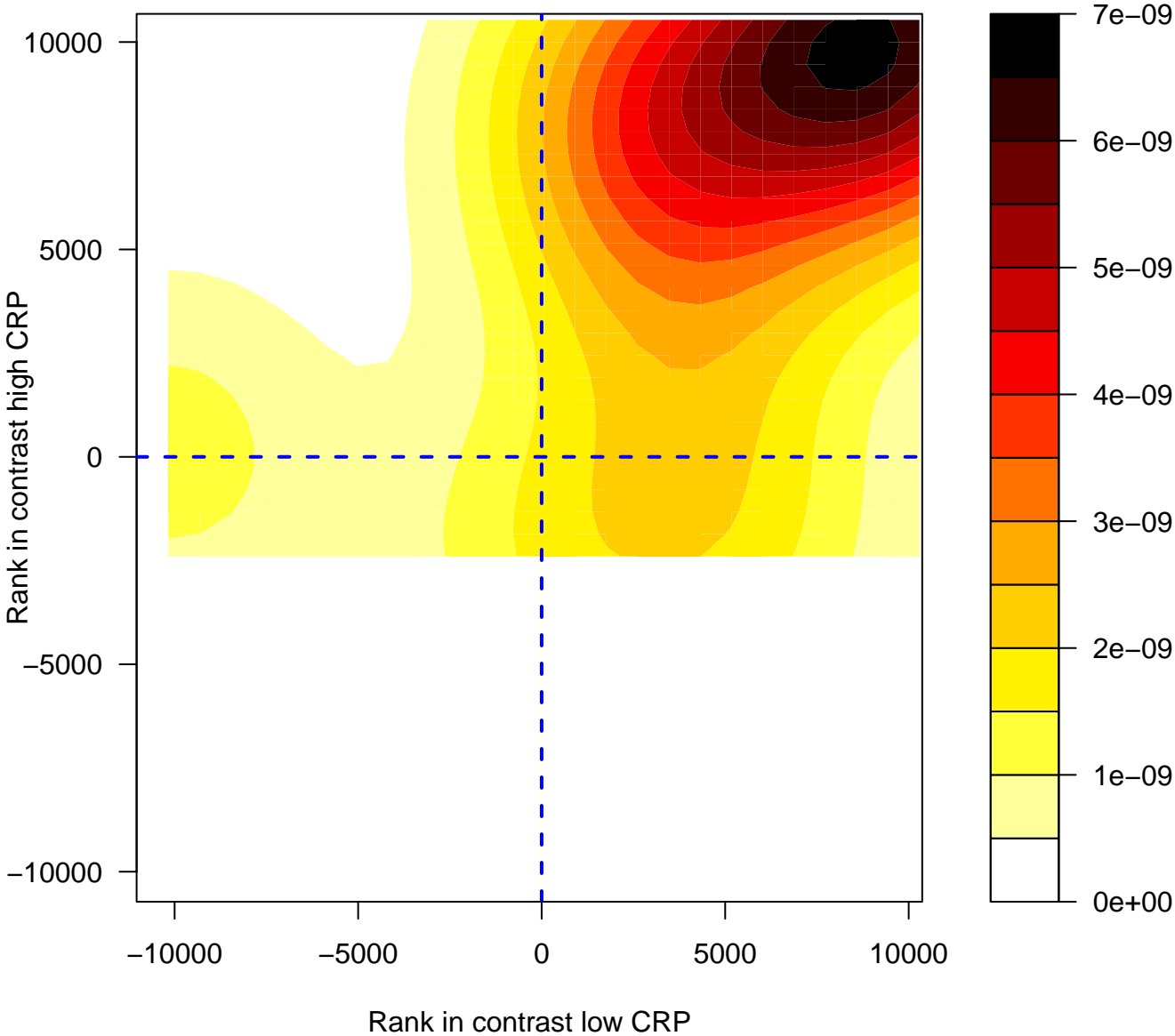
# Phosphorylation of CD3 and TCR zeta chains



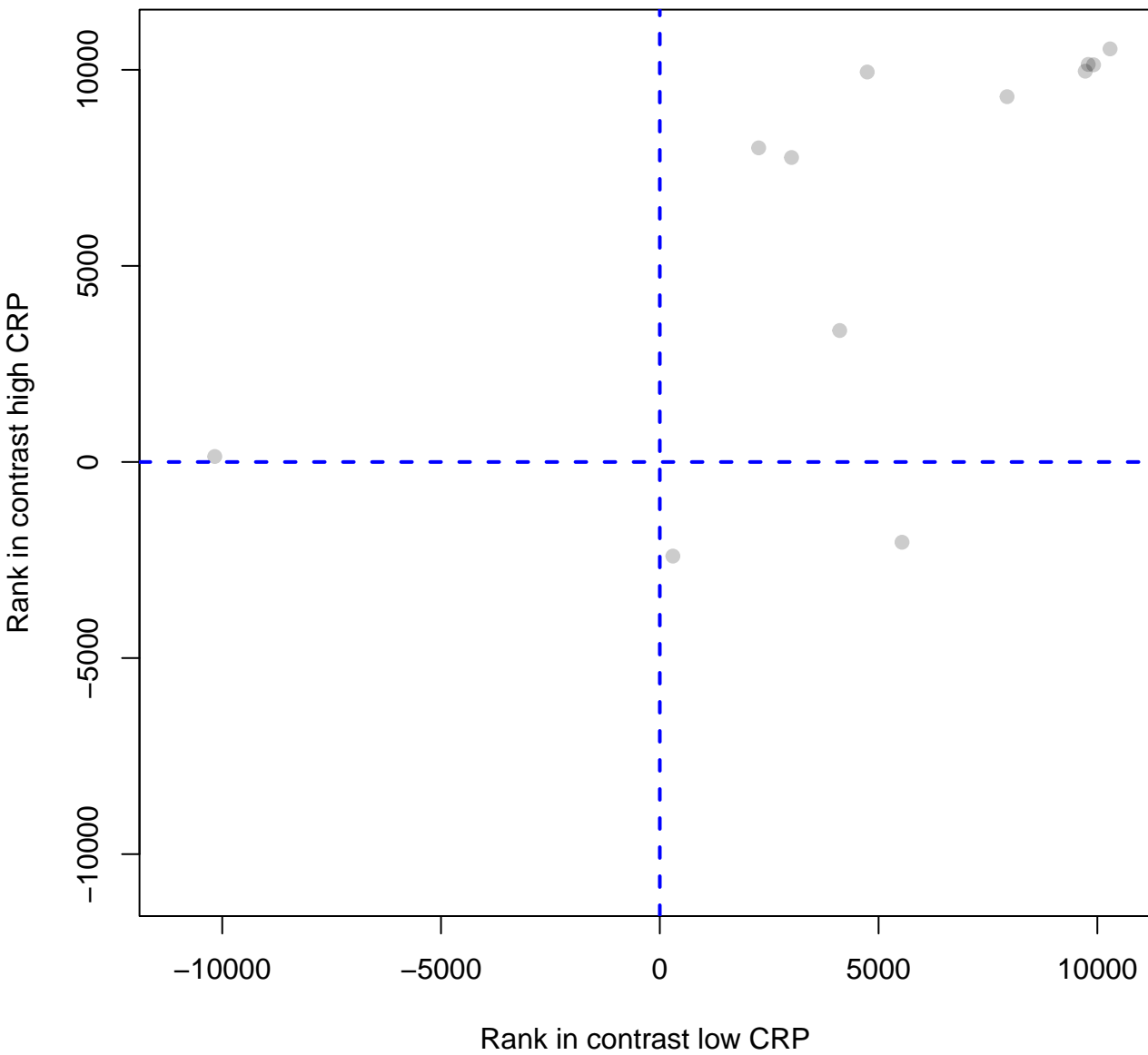
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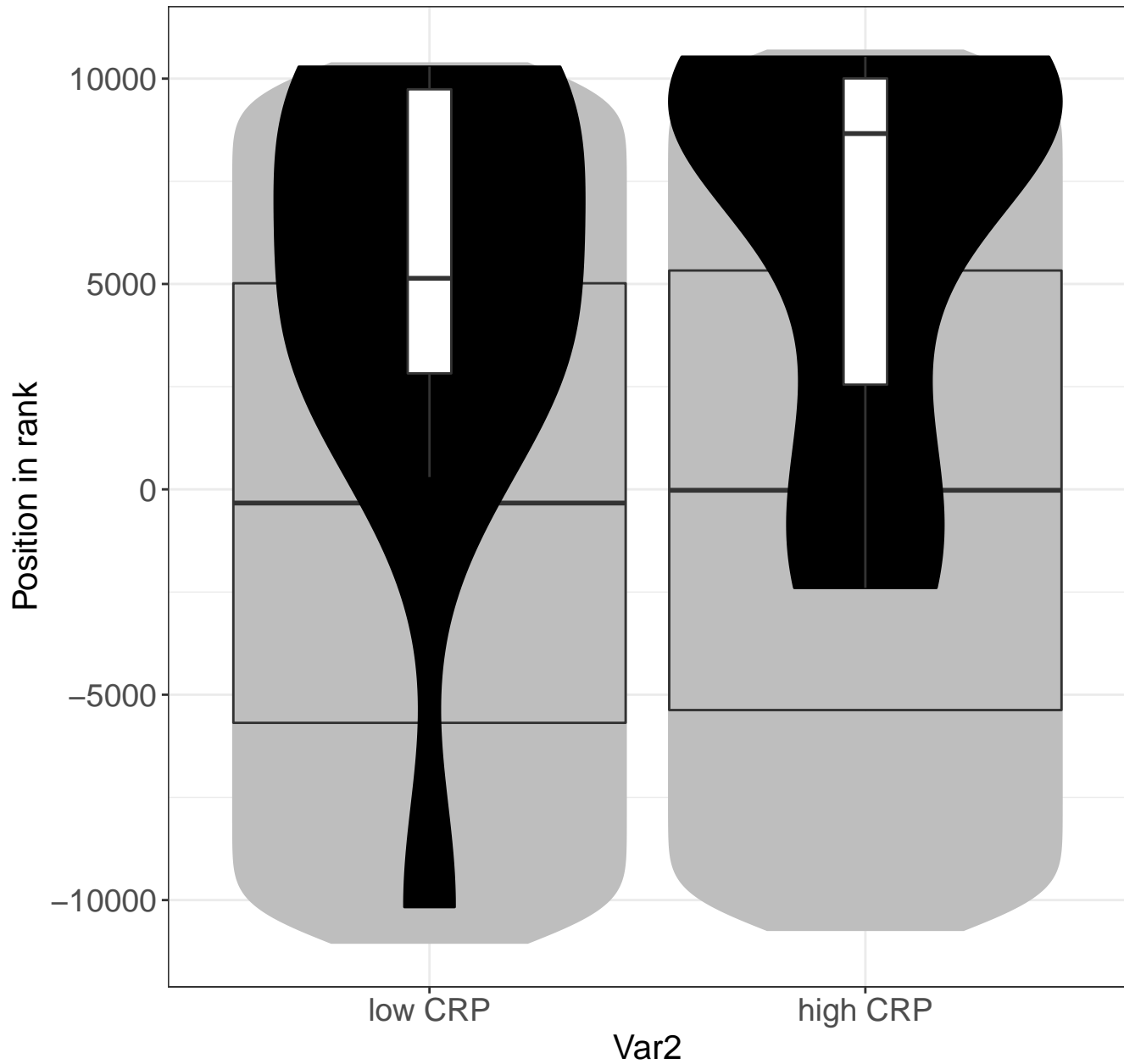
# Dissolution of Fibrin Clot



# Dissolution of Fibrin Clot

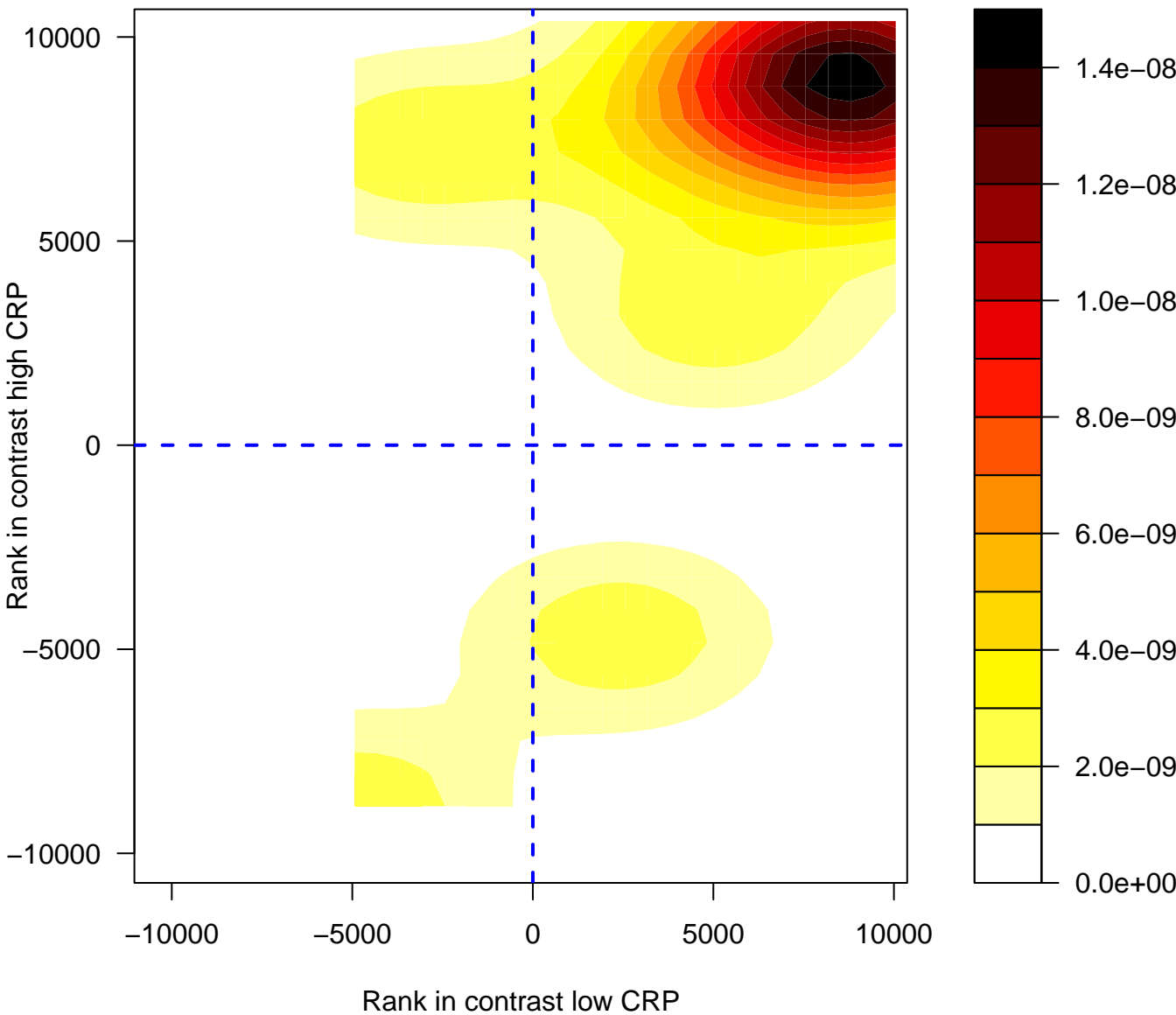


# Dissolution of Fibrin Clot

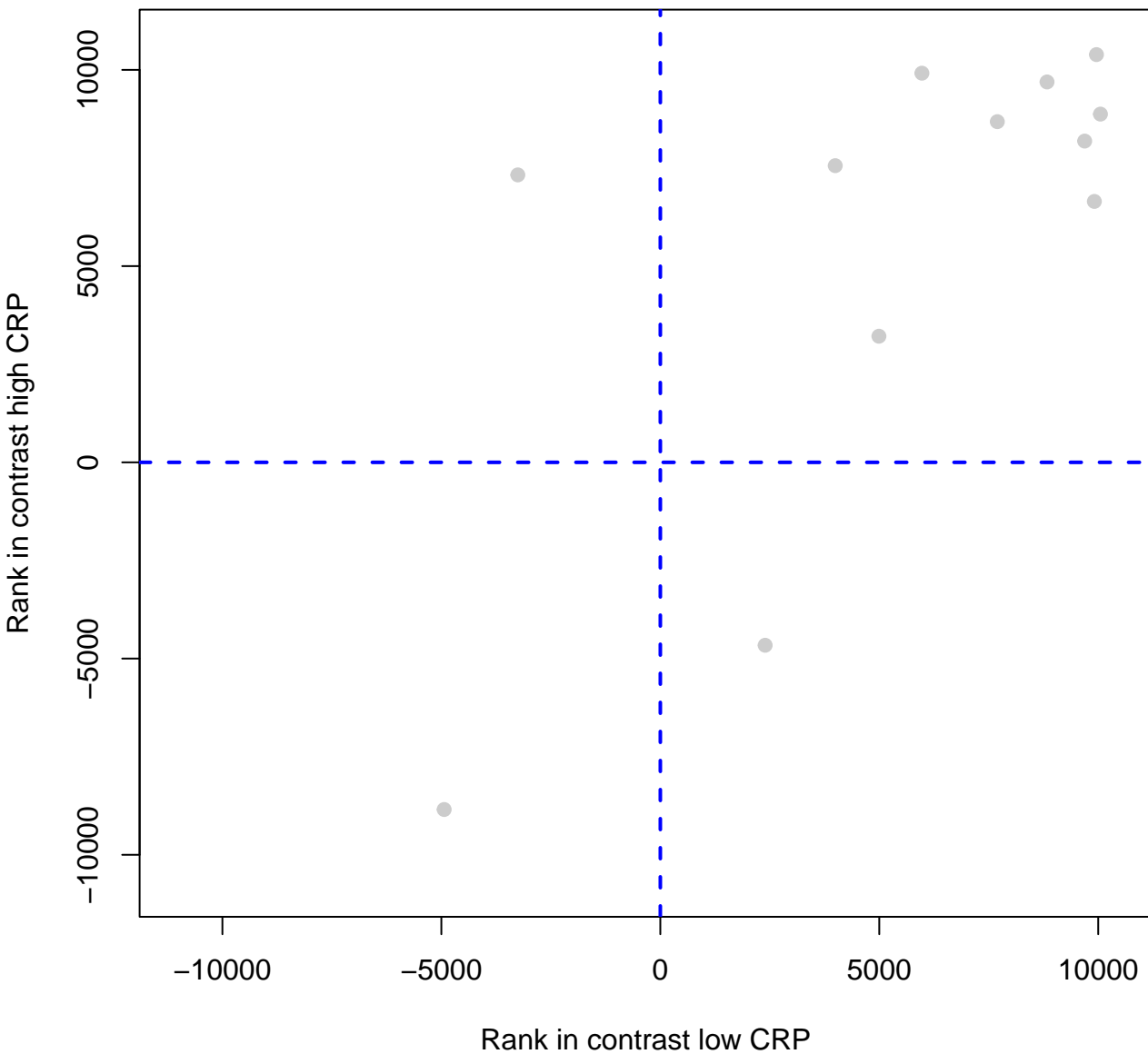




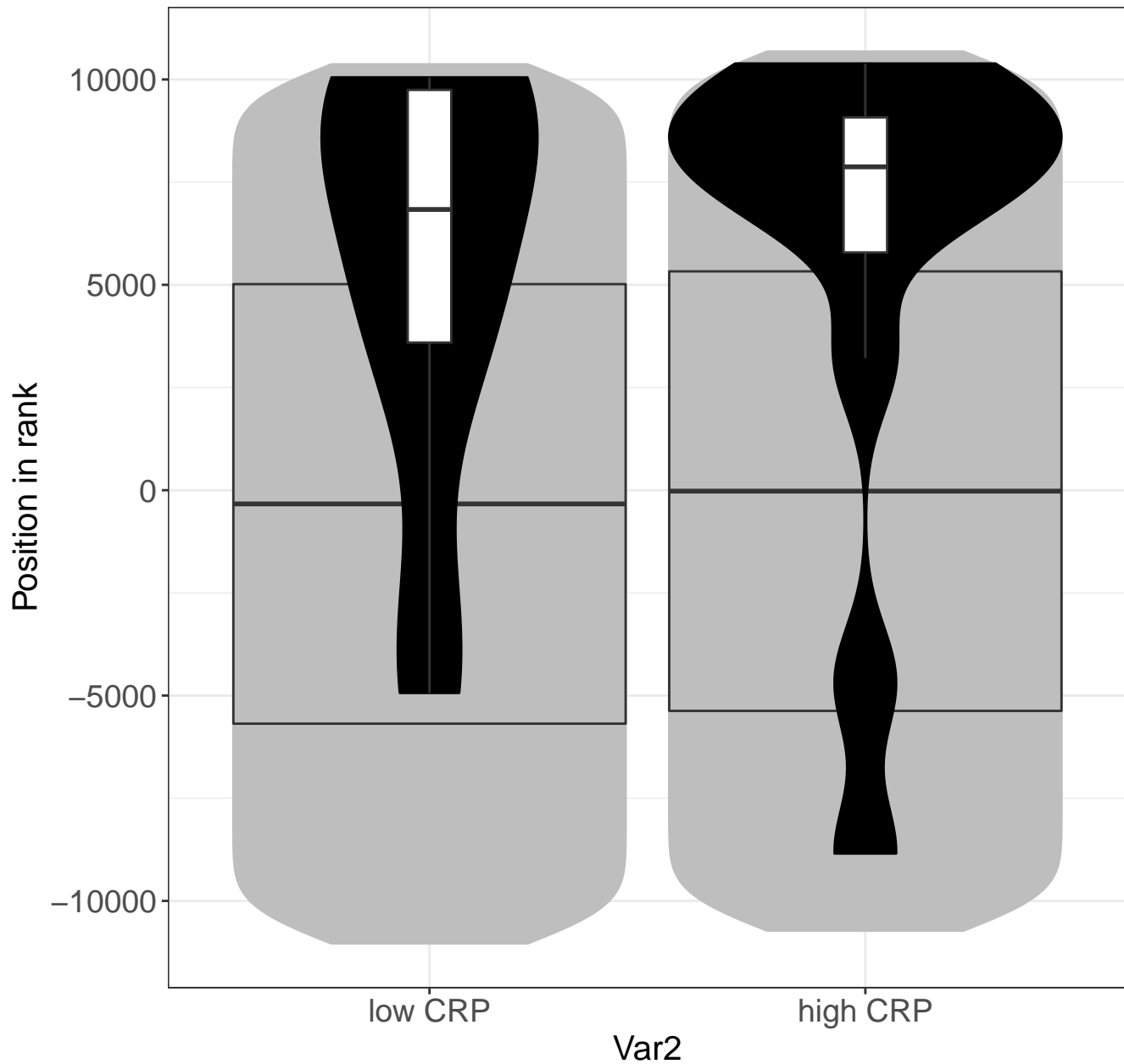
# GRB2:SOS provides linkage to MAPK signaling for Integr



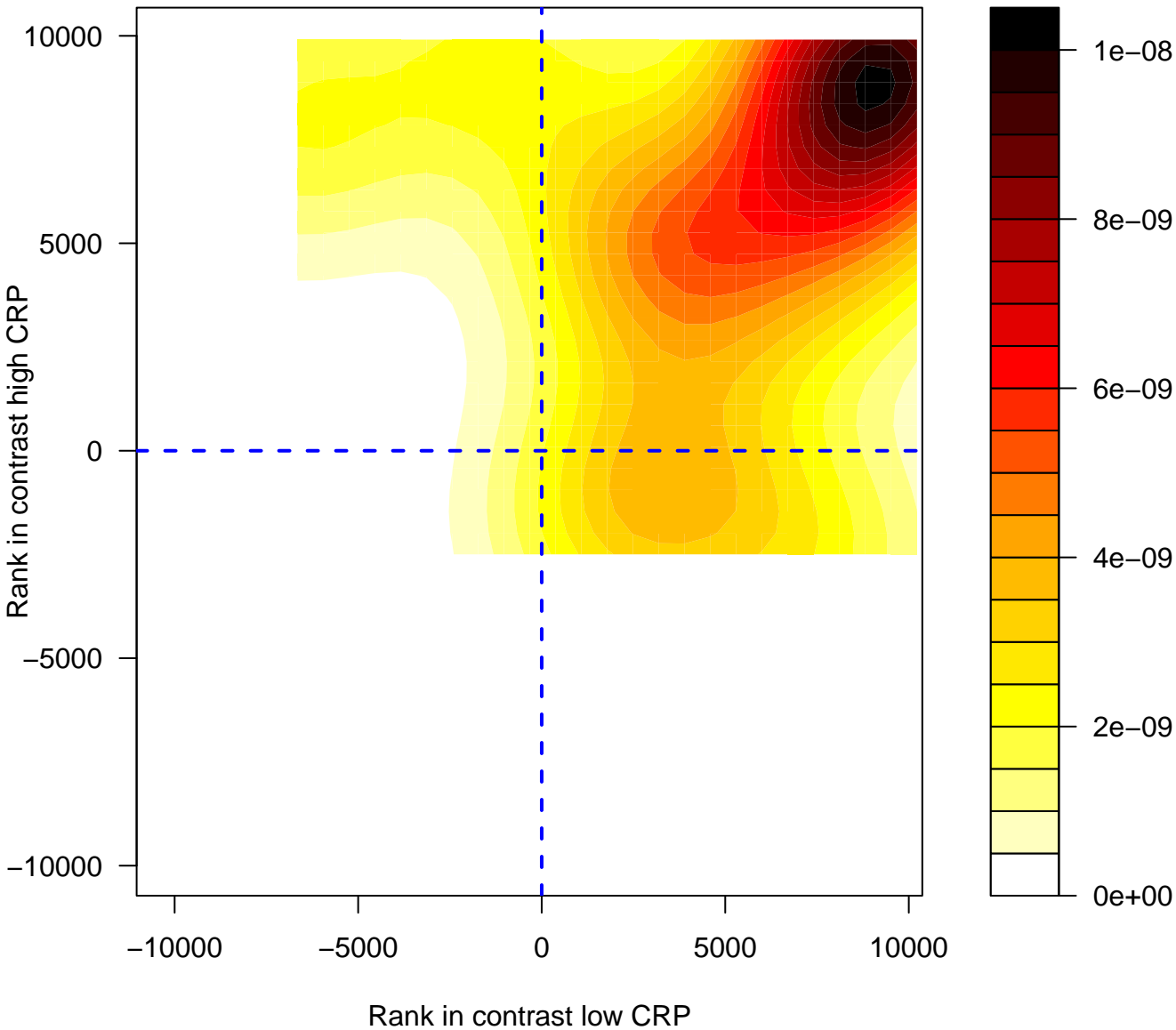
# GRB2:SOS provides linkage to MAPK signaling for Integrins



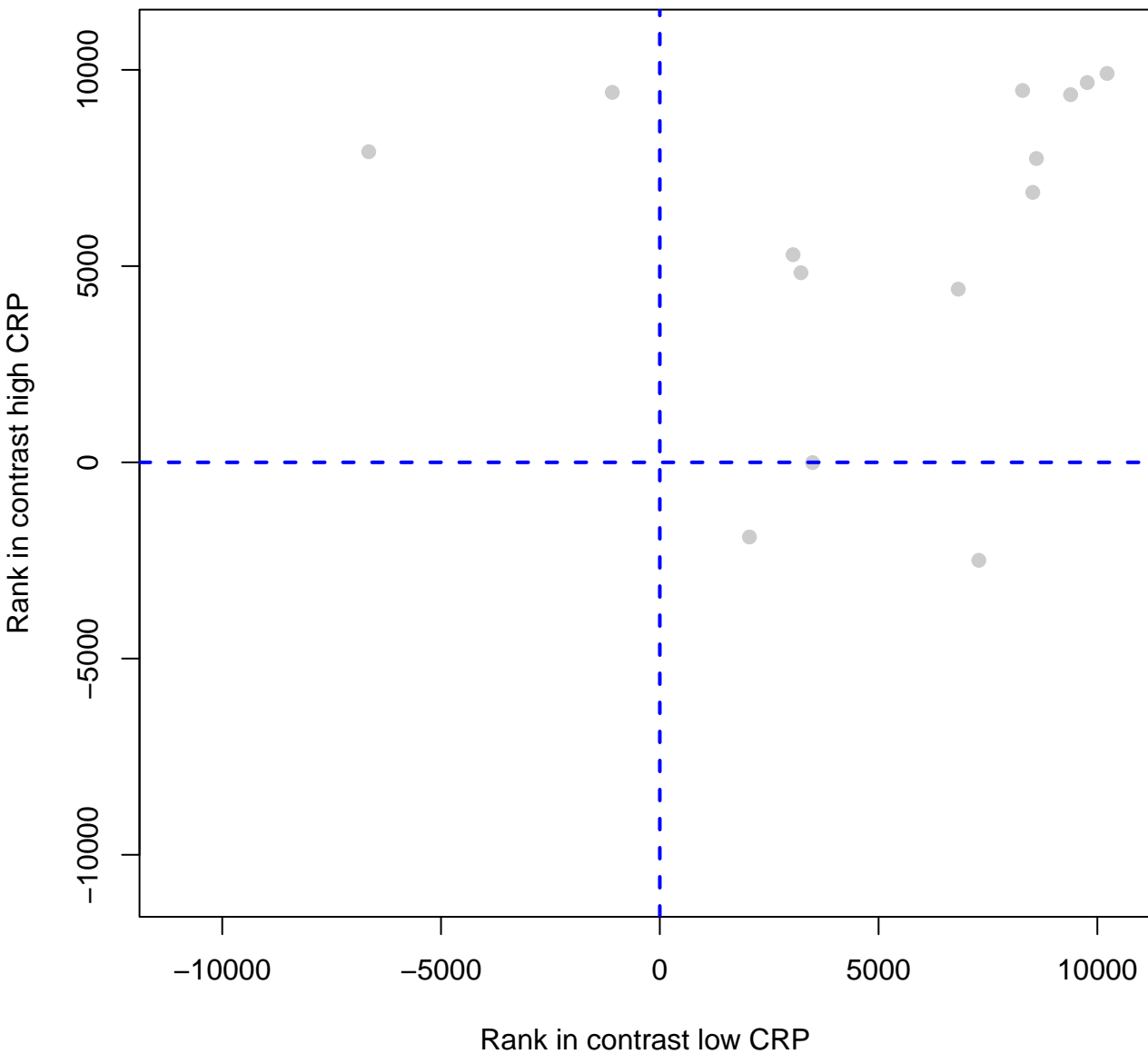
# GRB2:SOS provides linkage to MAPK signaling f



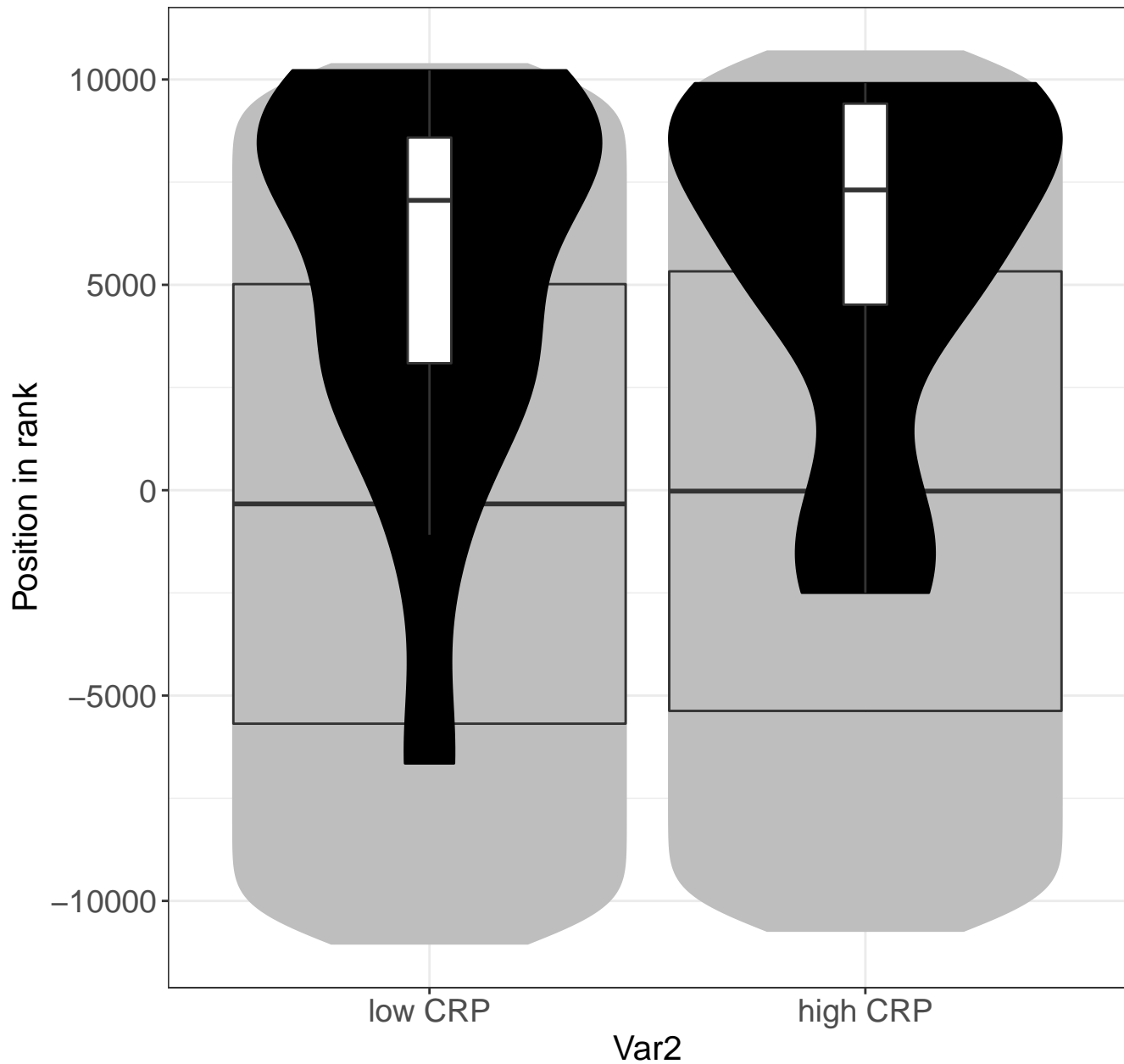
# Golgi Cisternae Pericentriolar Stack Reorganization



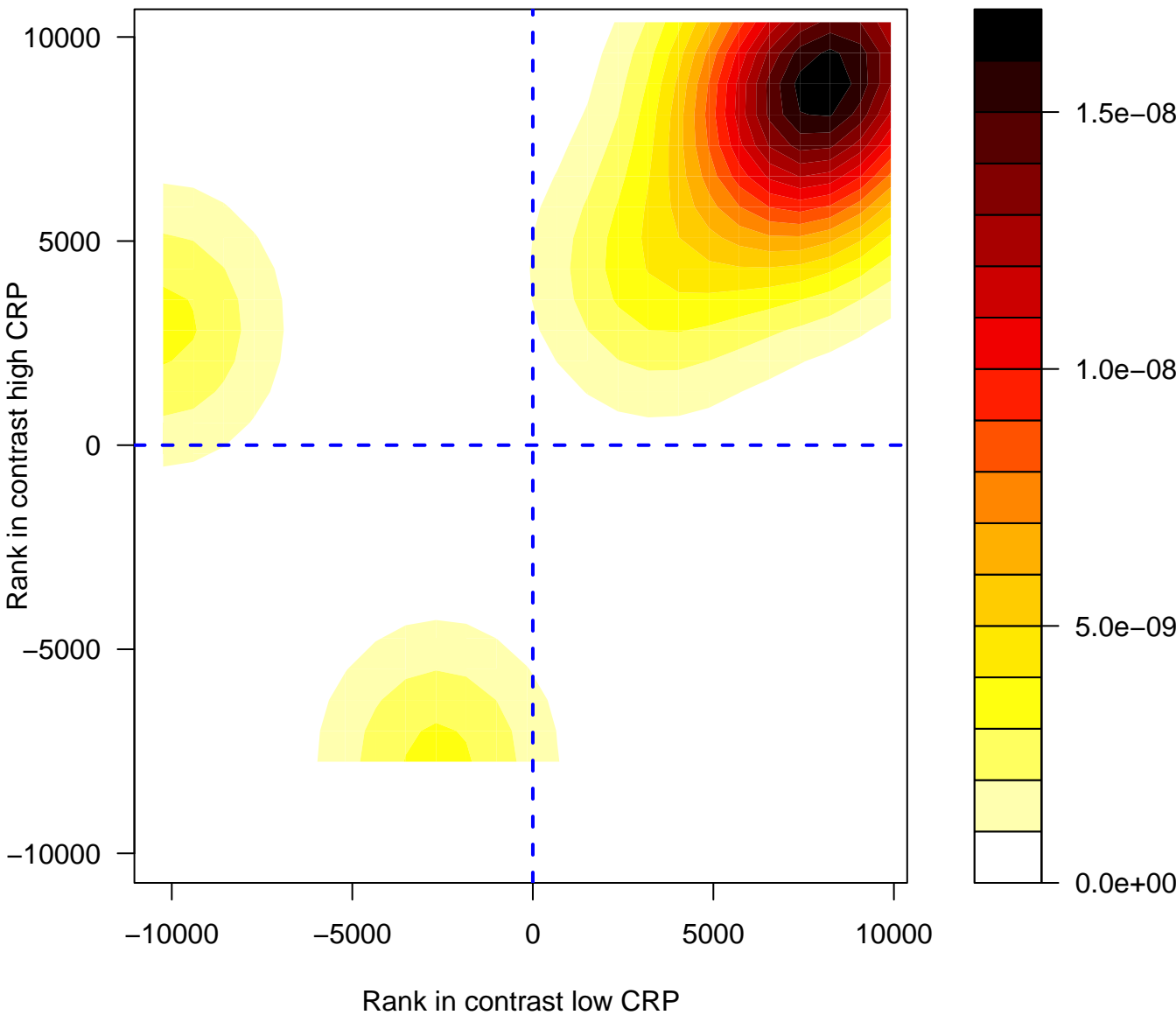
# Golgi Cisternae Pericentriolar Stack Reorganization



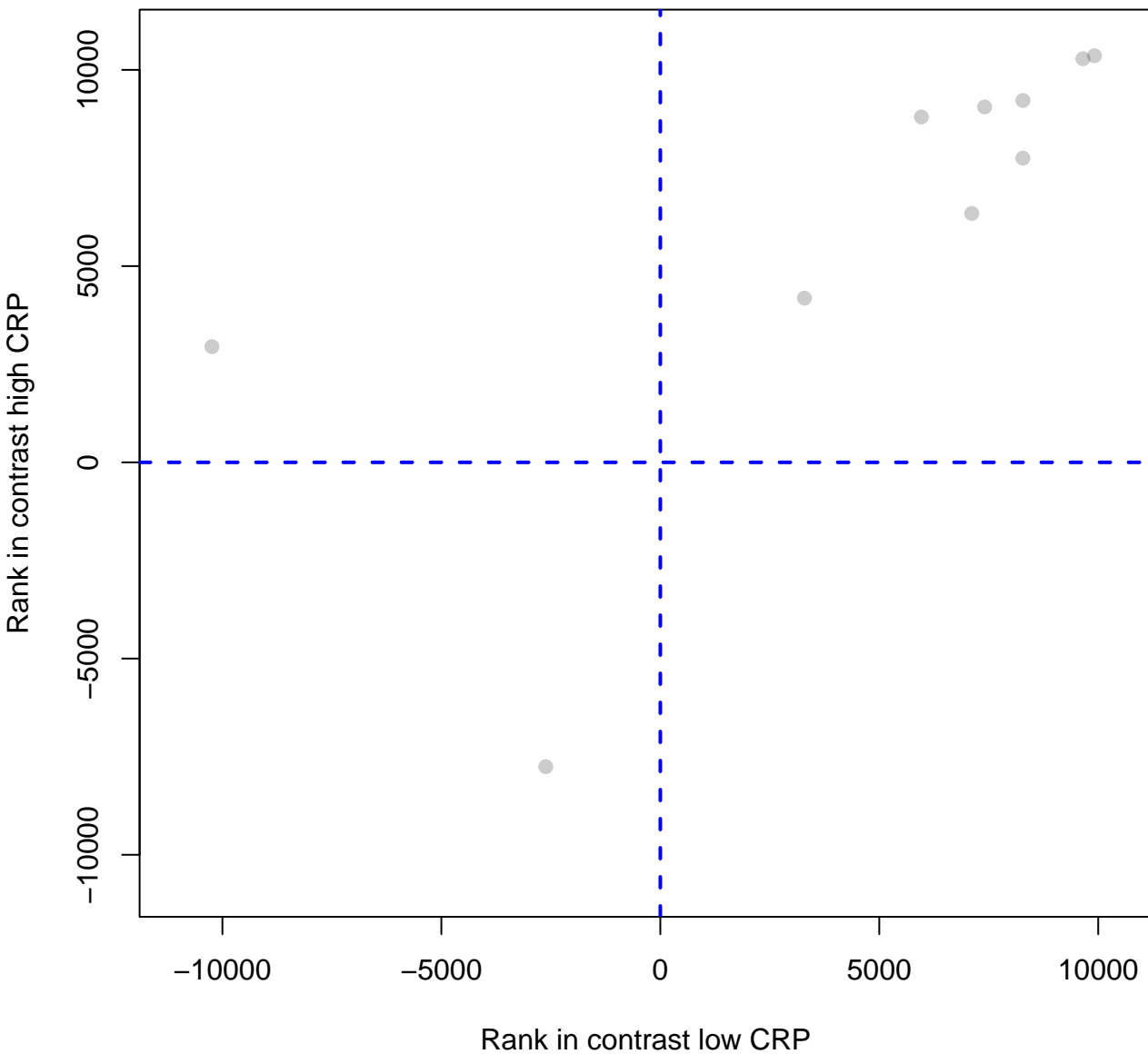
# Golgi Cisternae Pericentriolar Stack Reorganizat



# NOTCH4 Activation and Transmission of Signal to the Nuc|

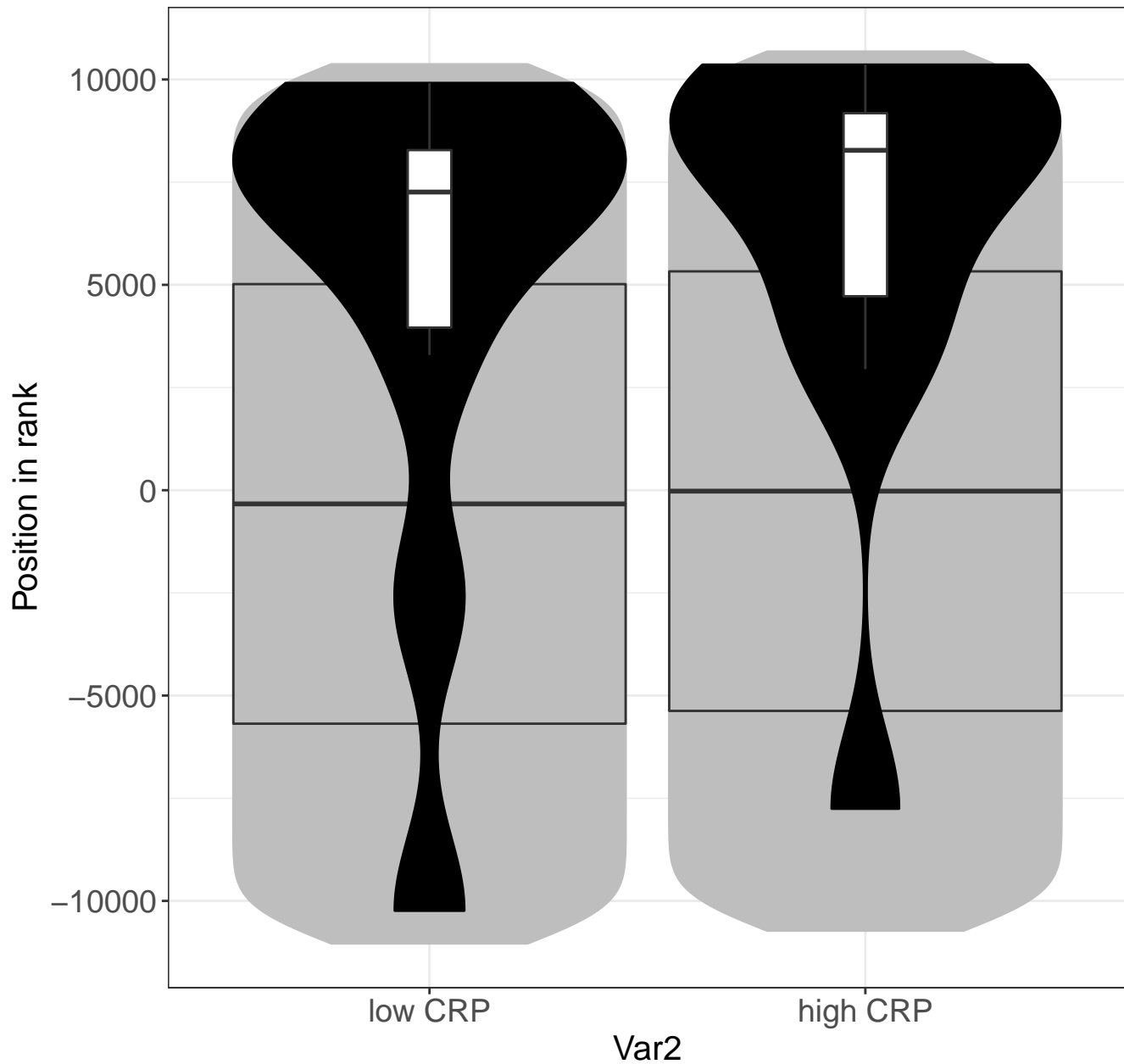


# NOTCH4 Activation and Transmission of Signal to the Nucleus

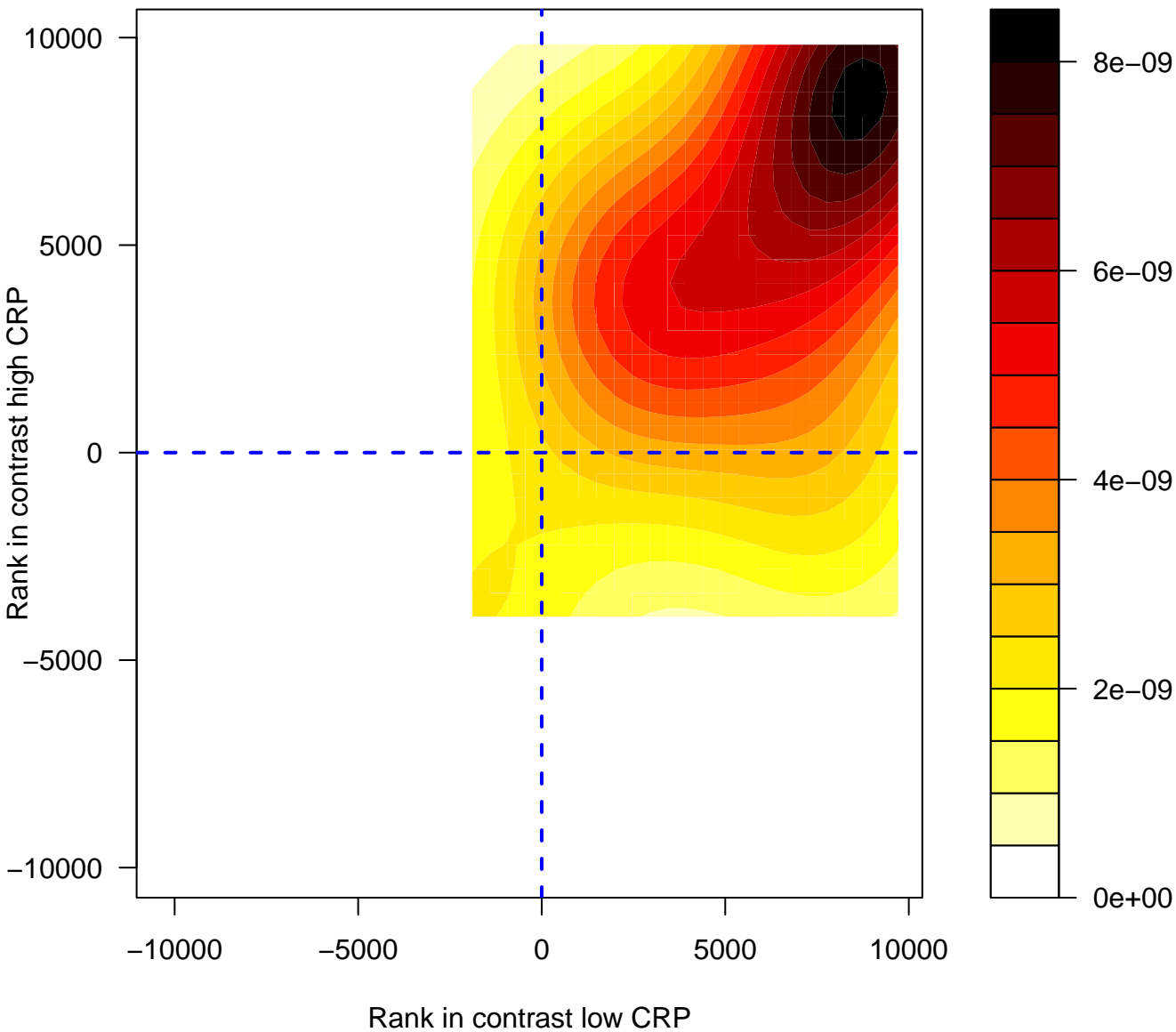




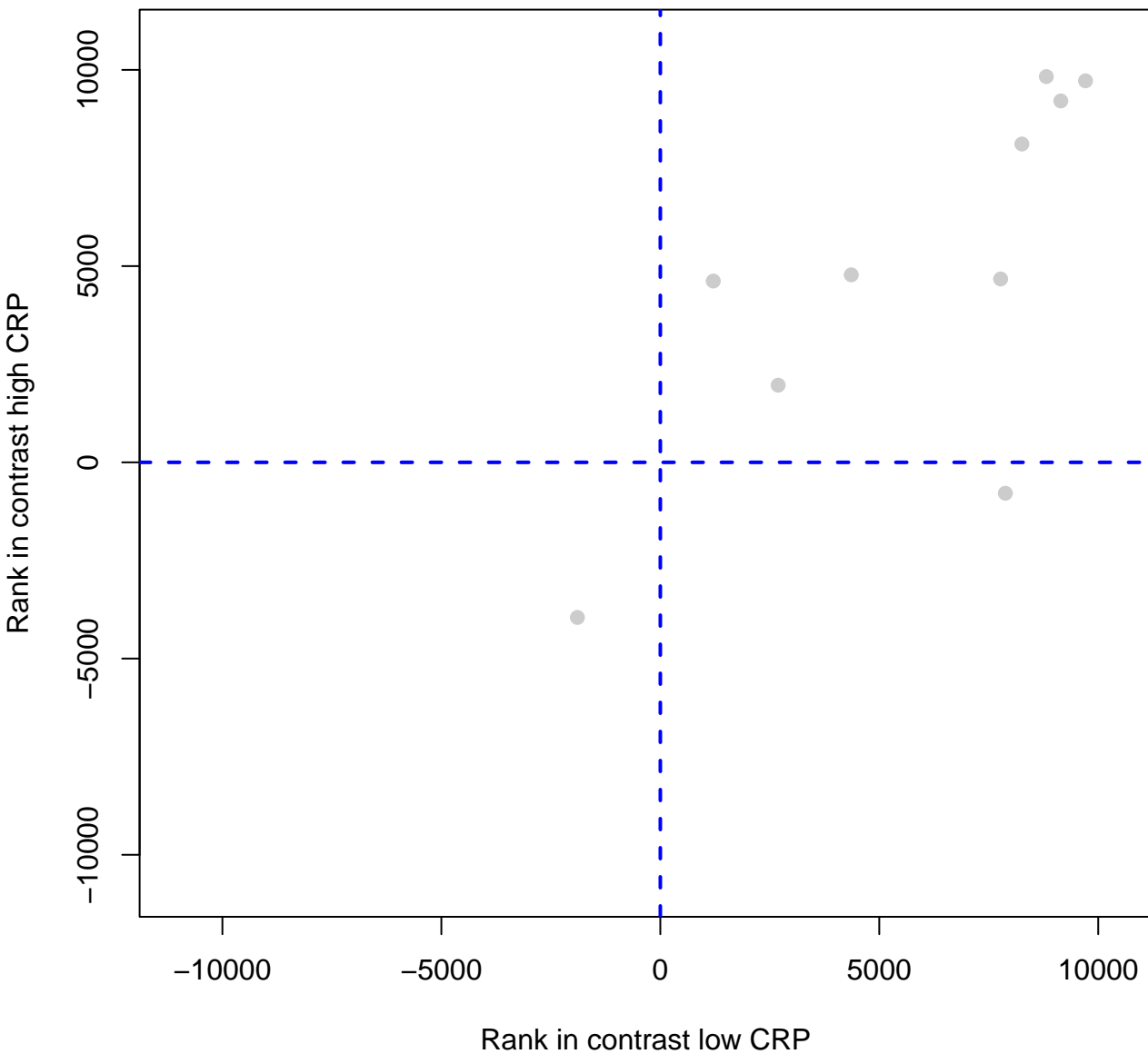
# NOTCH4 Activation and Transmission of Signal t



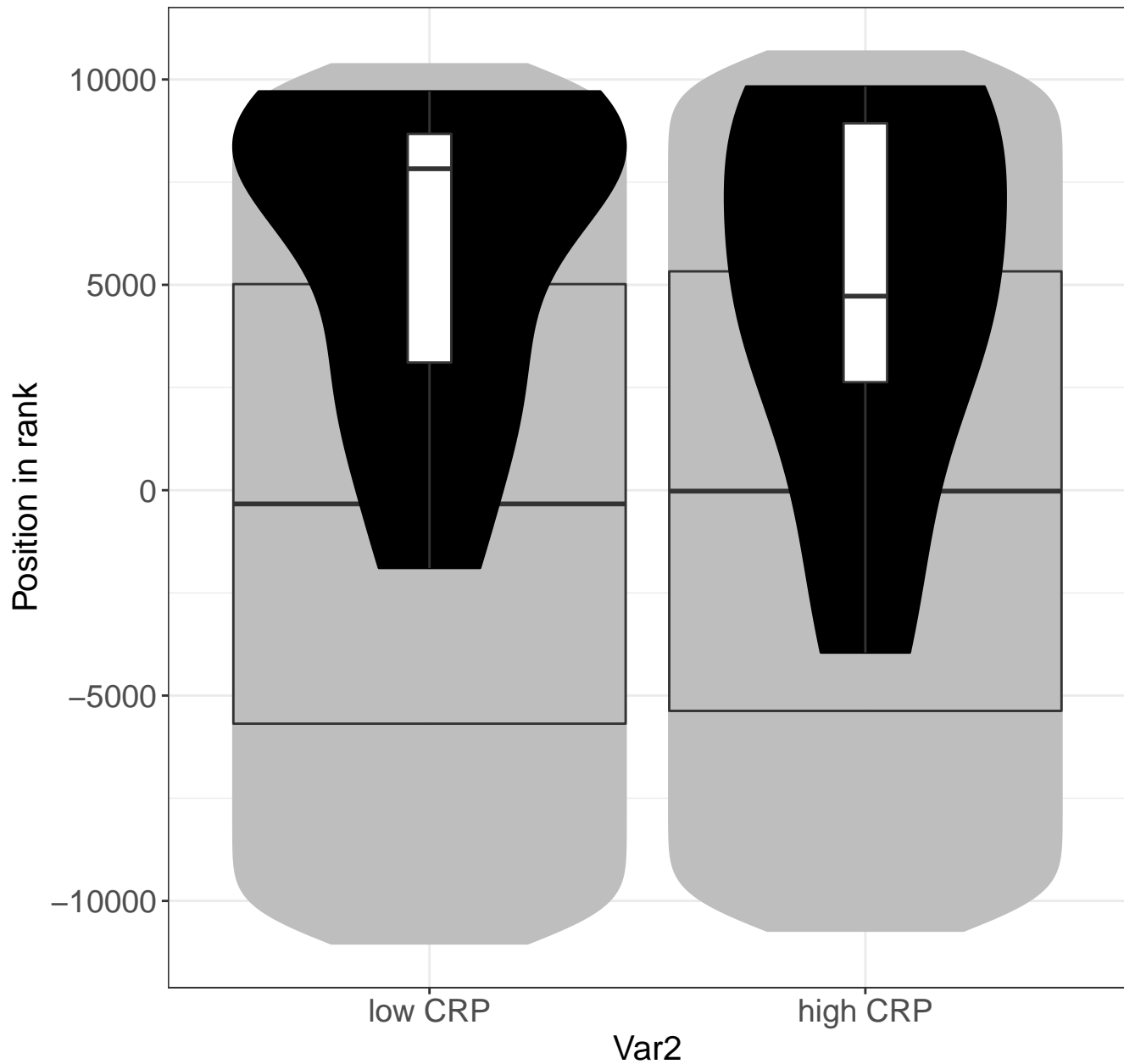
# HuR (ELAVL1) binds and stabilizes mRNA



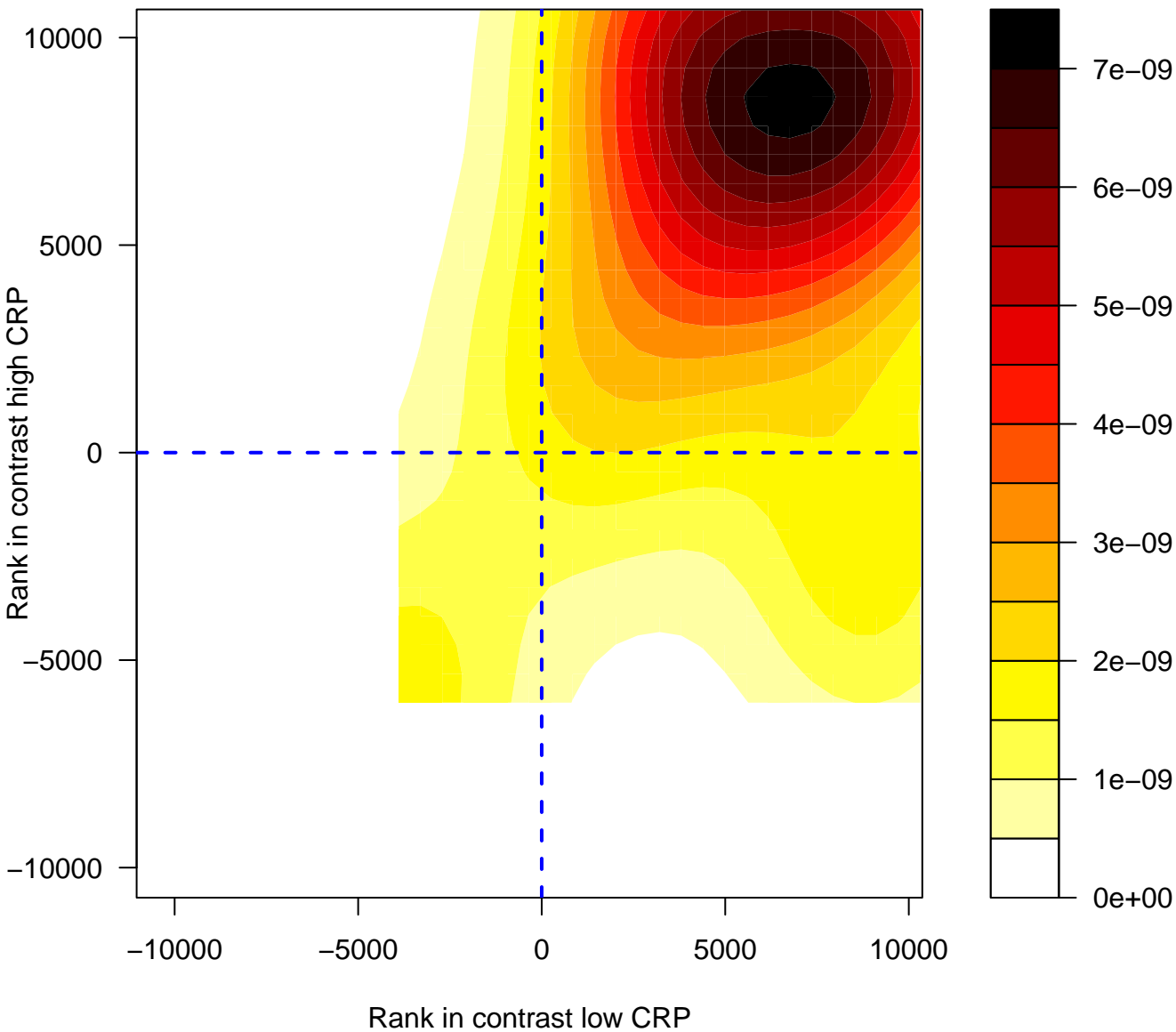
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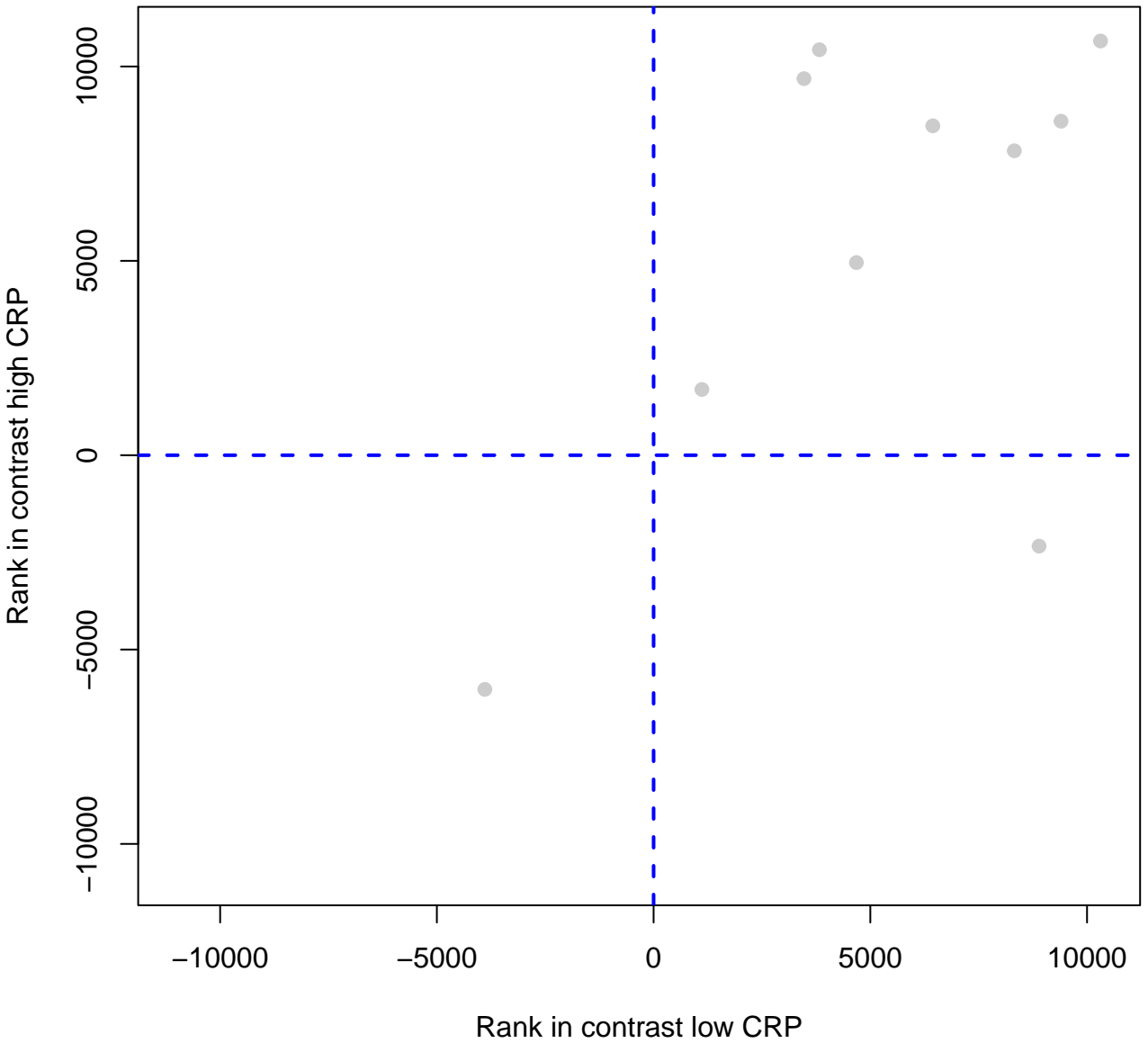
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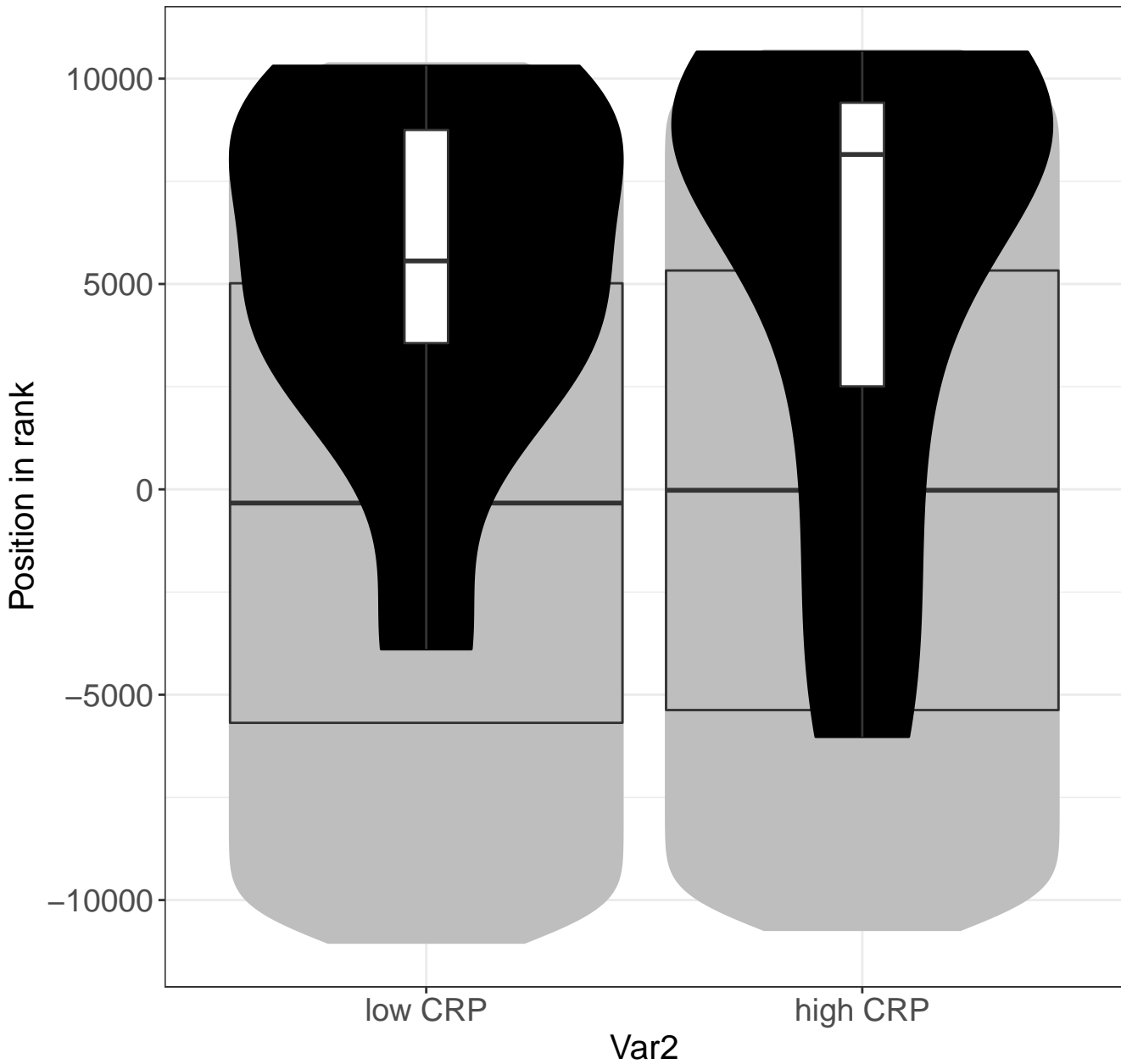
# Signaling by Leptin



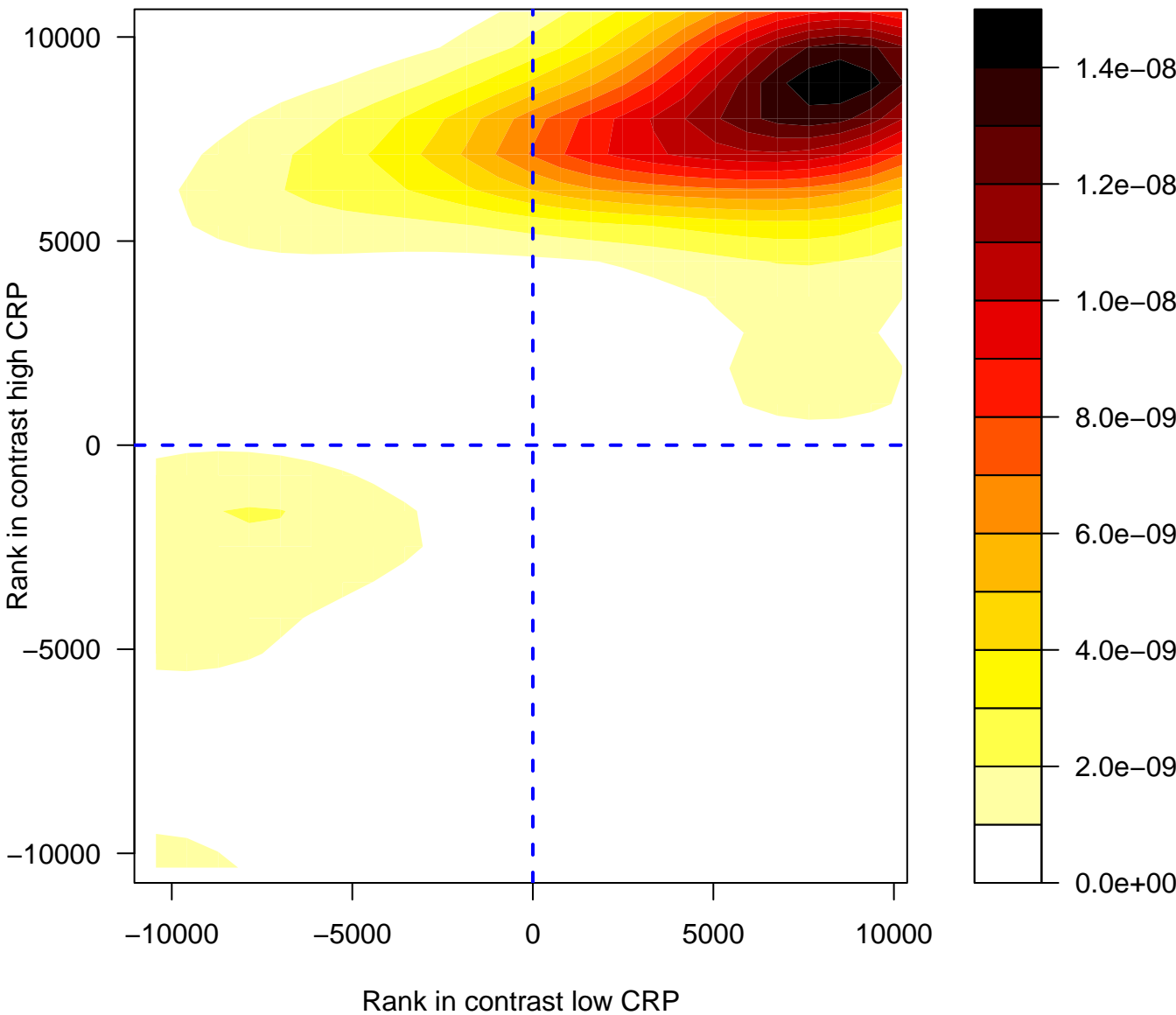
# Signaling by Leptin



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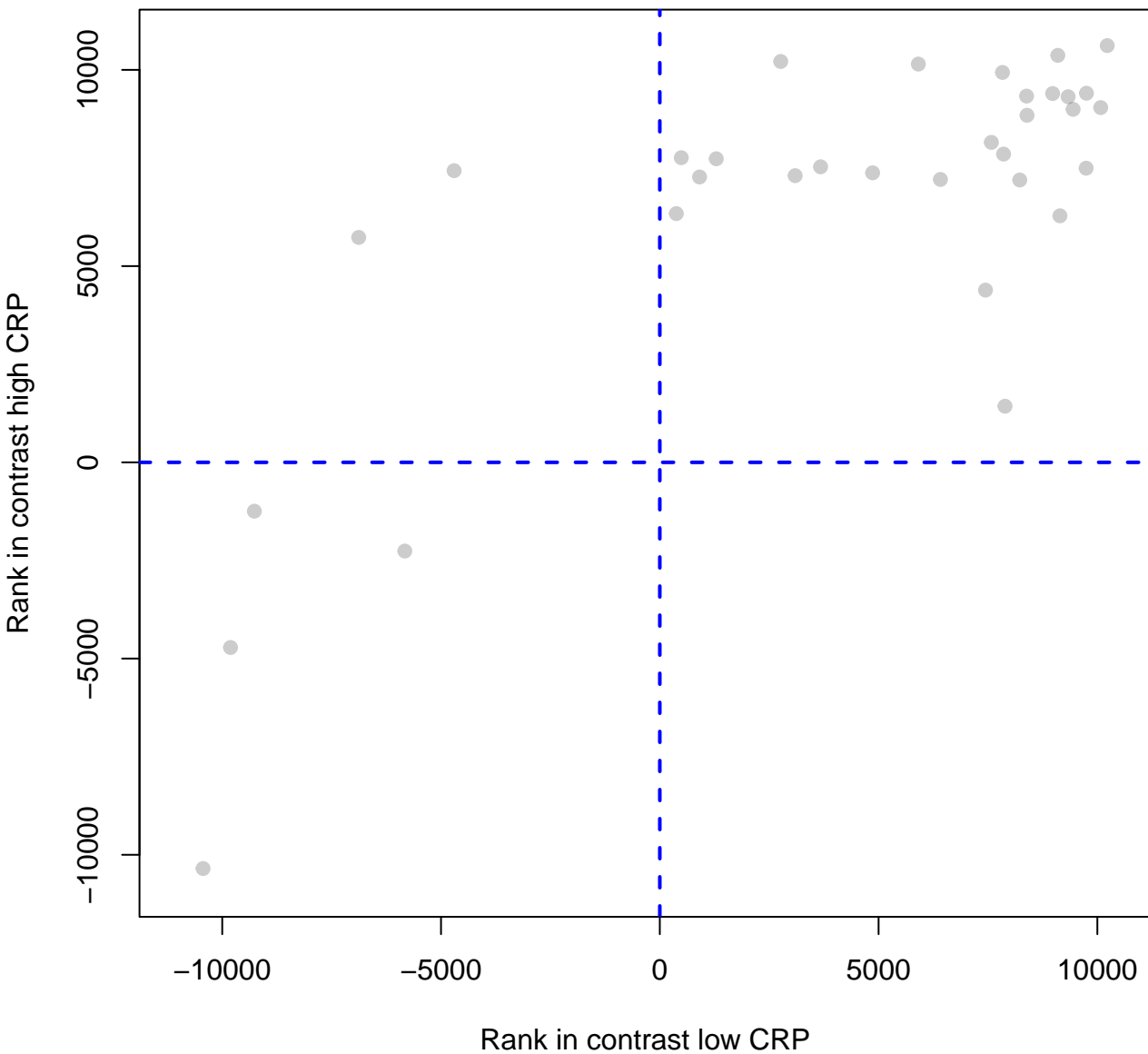


# COPI-independent Golgi-to-ER retrograde traffic

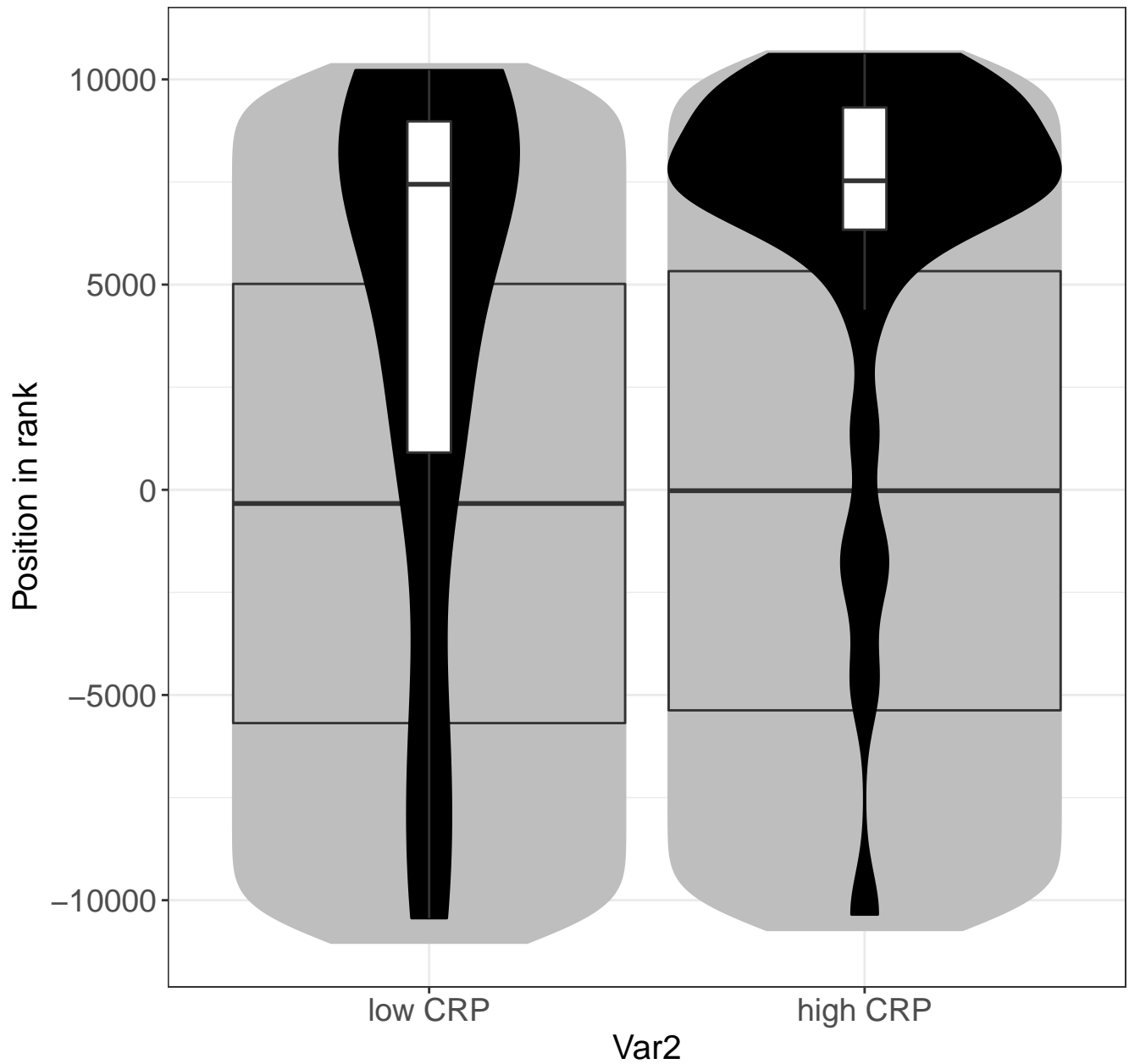




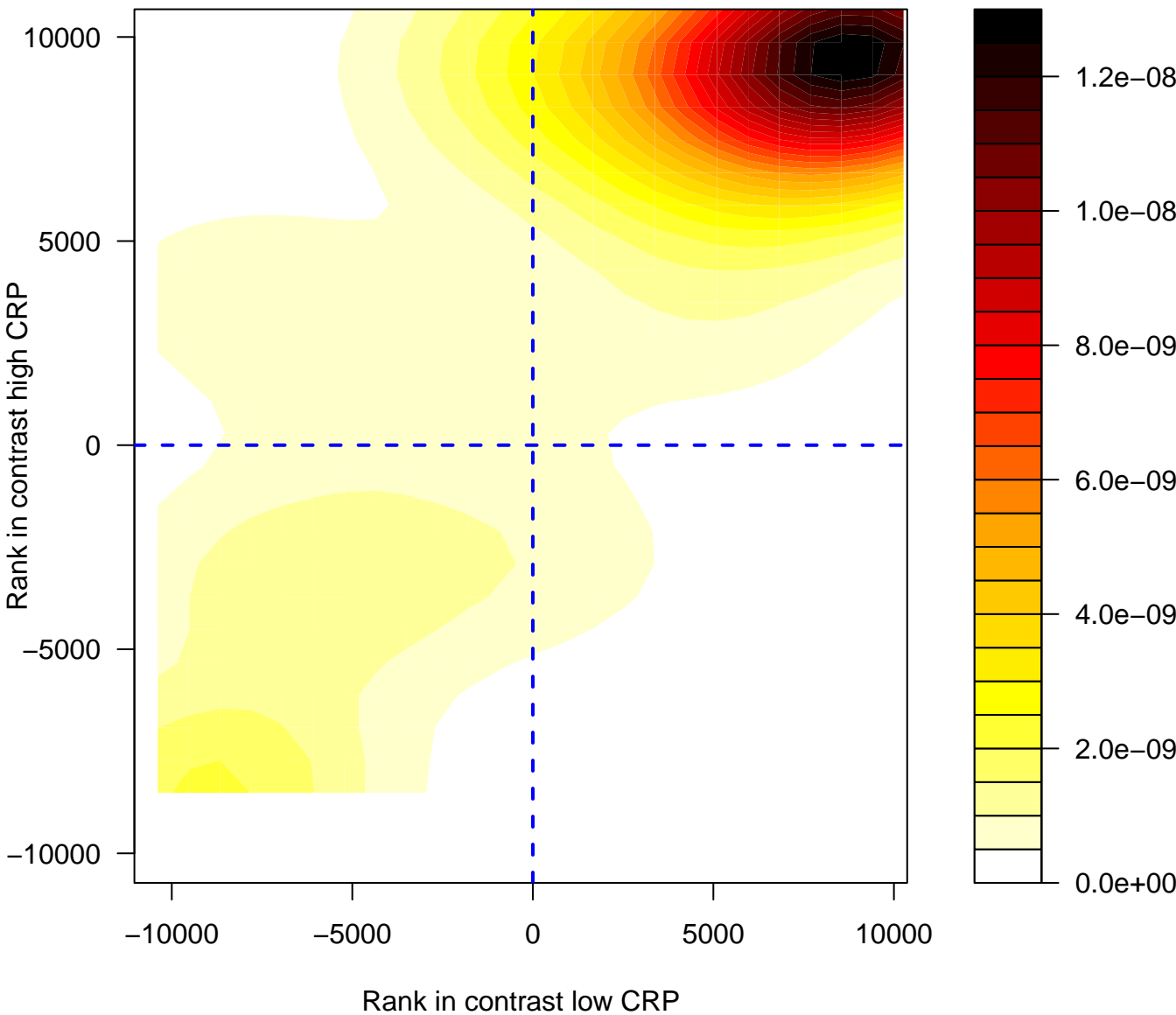
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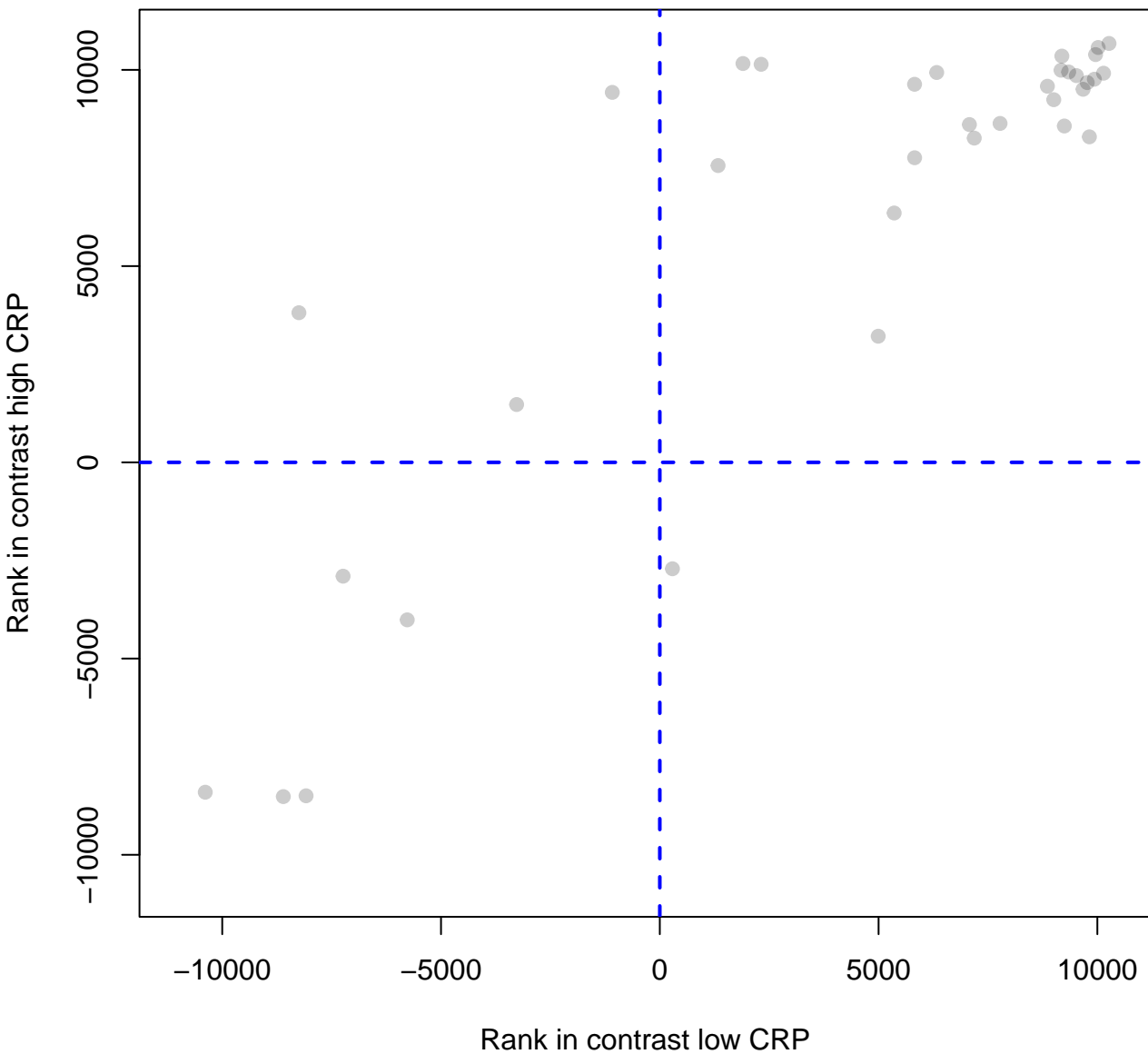
# COPI-independent Golgi-to-ER retrograde traffic



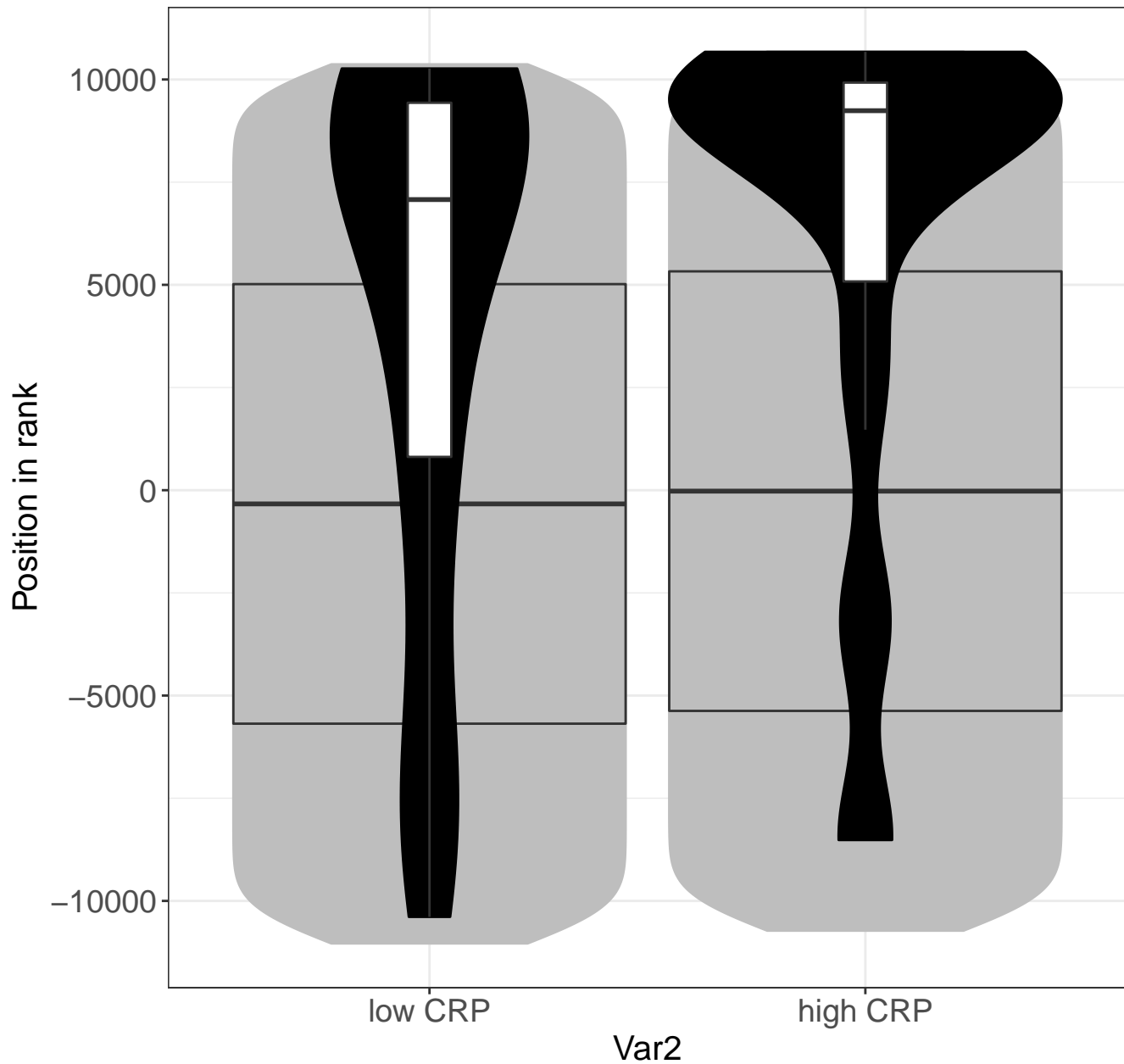
# RHO GTPases Activate WASPs and WAVEs



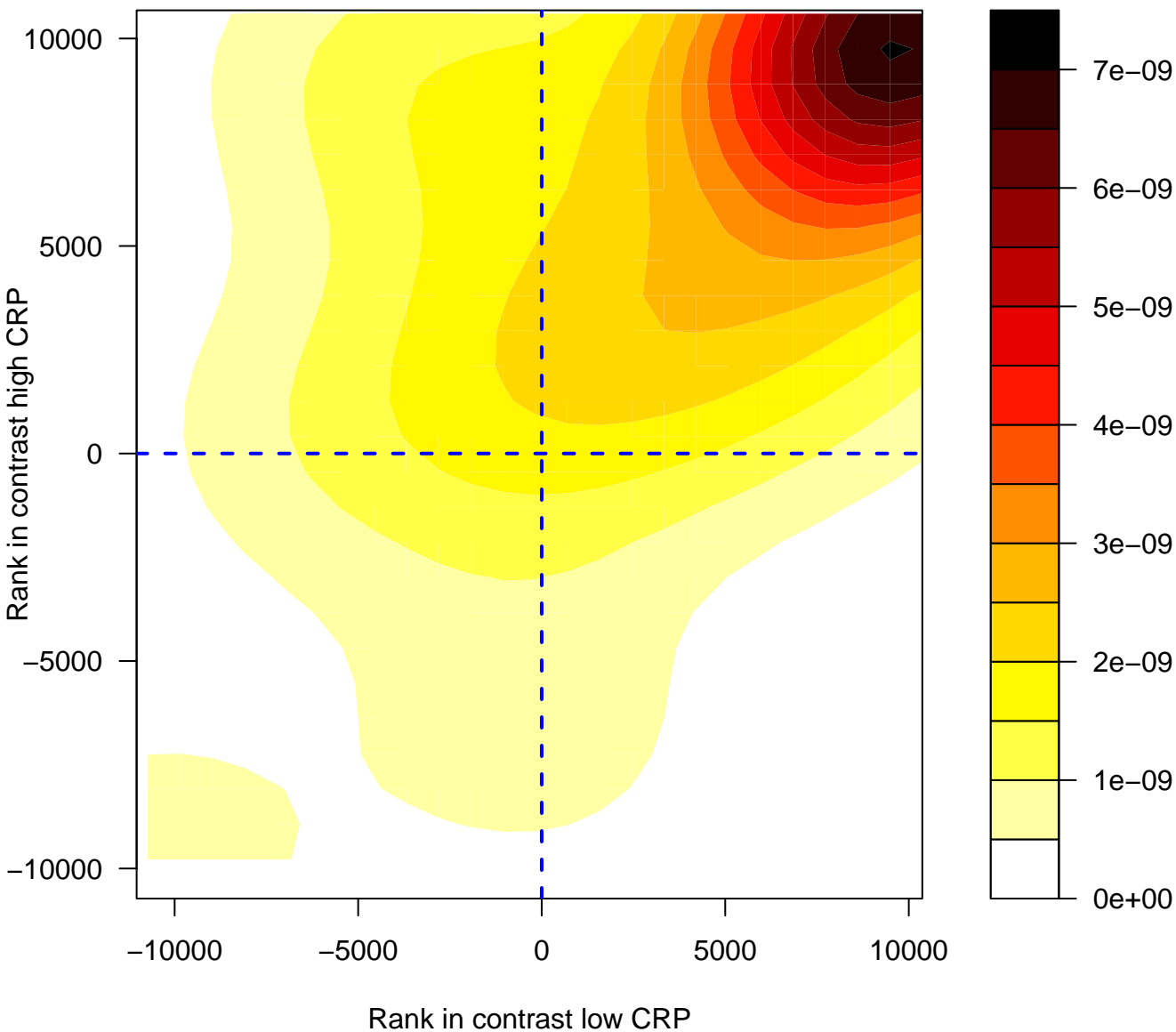
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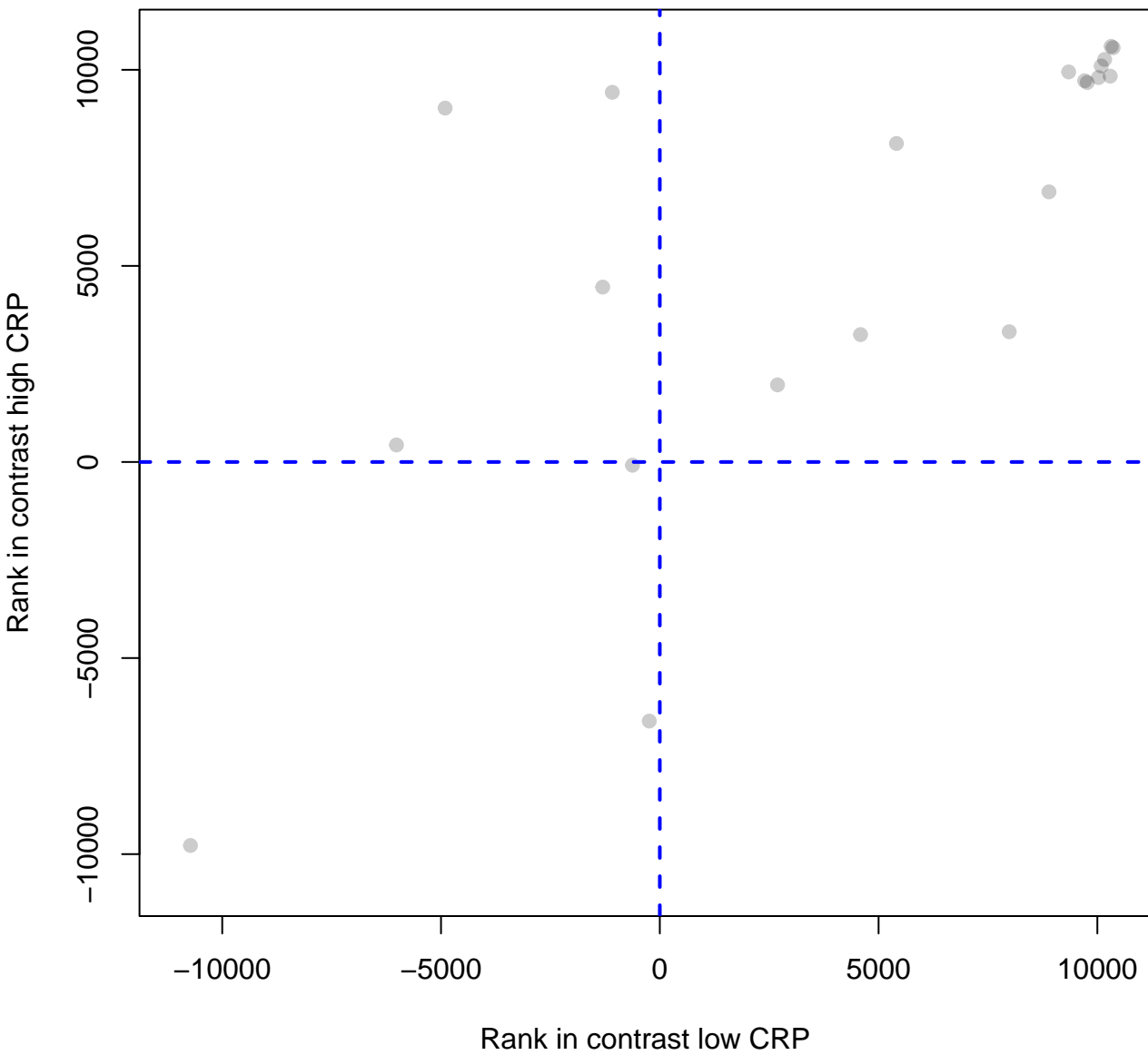
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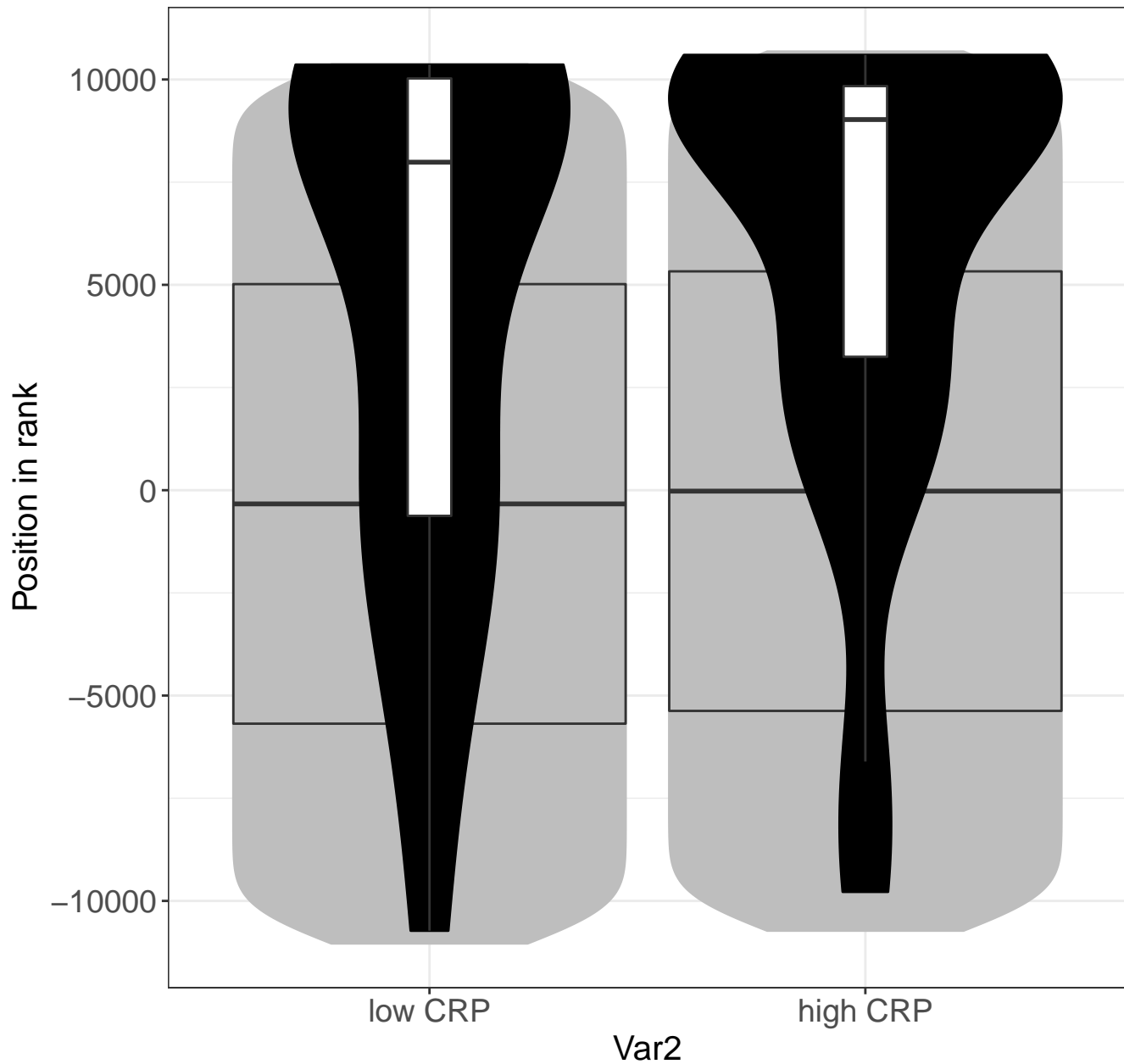
# RHO GTPases Activate NADPH Oxidases



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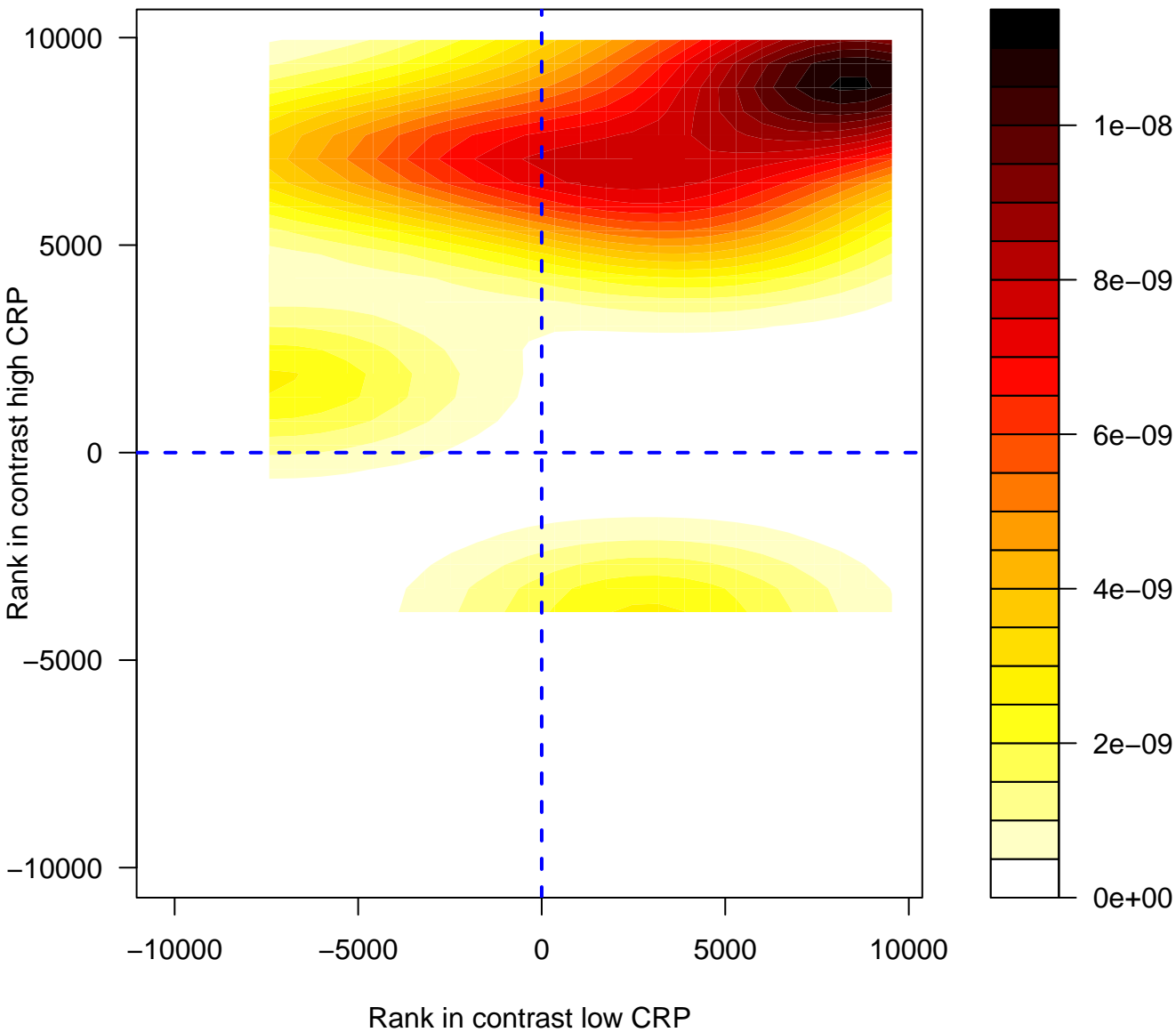


# RHO GTPases Activate NADPH Oxidases

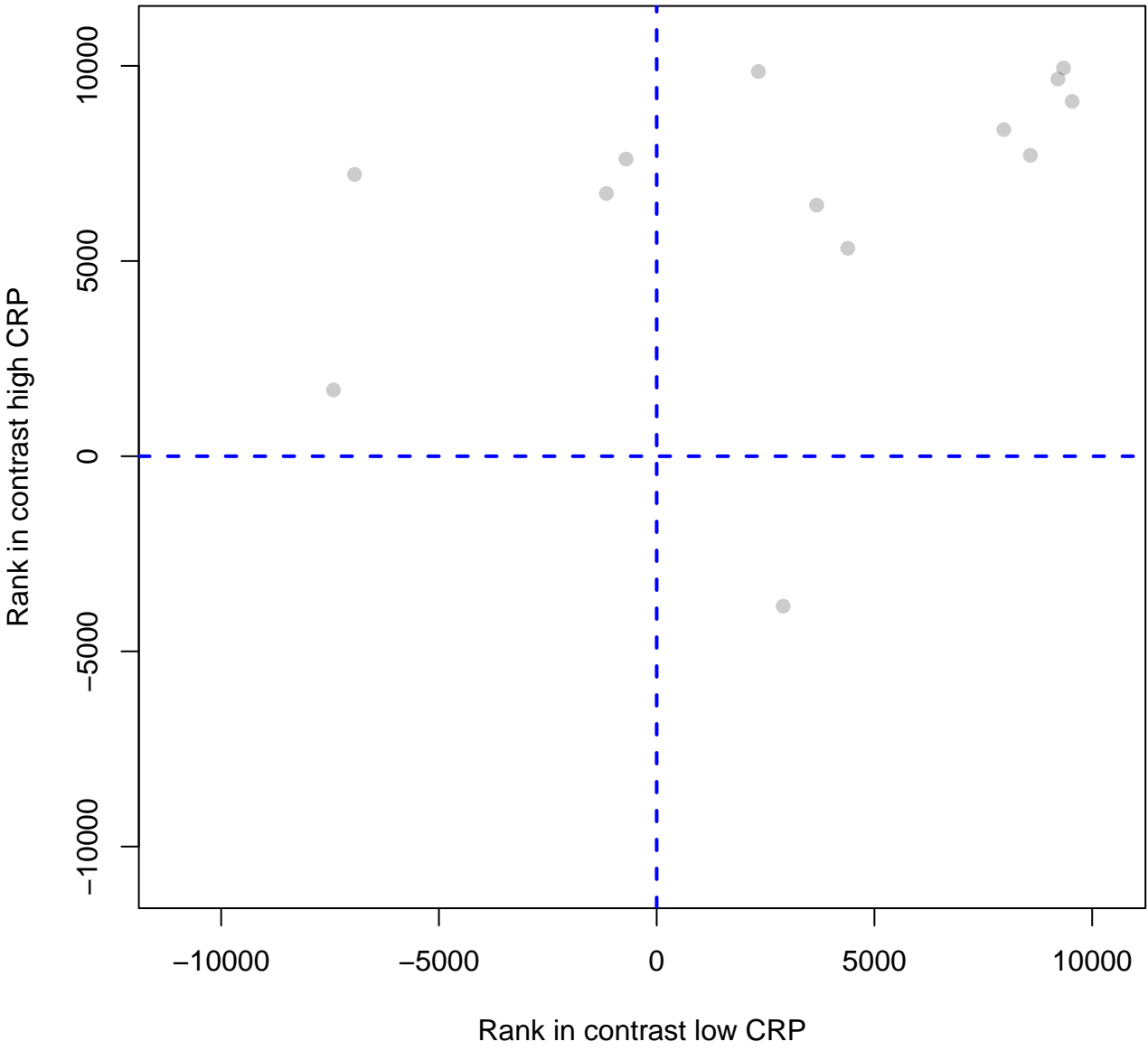




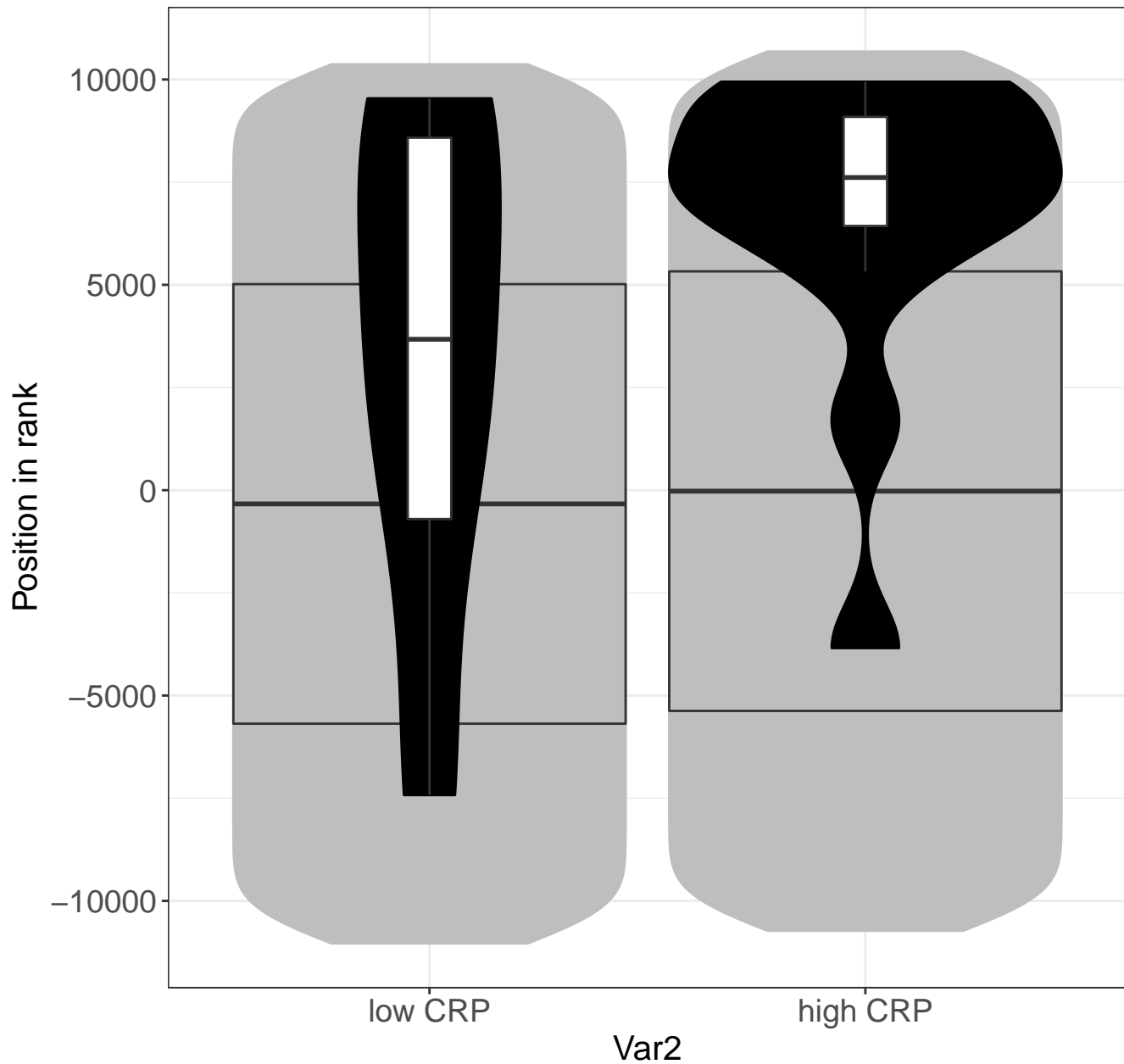
# PTK6 Regulates RHO GTPases, RAS GTPase and MAP kinases



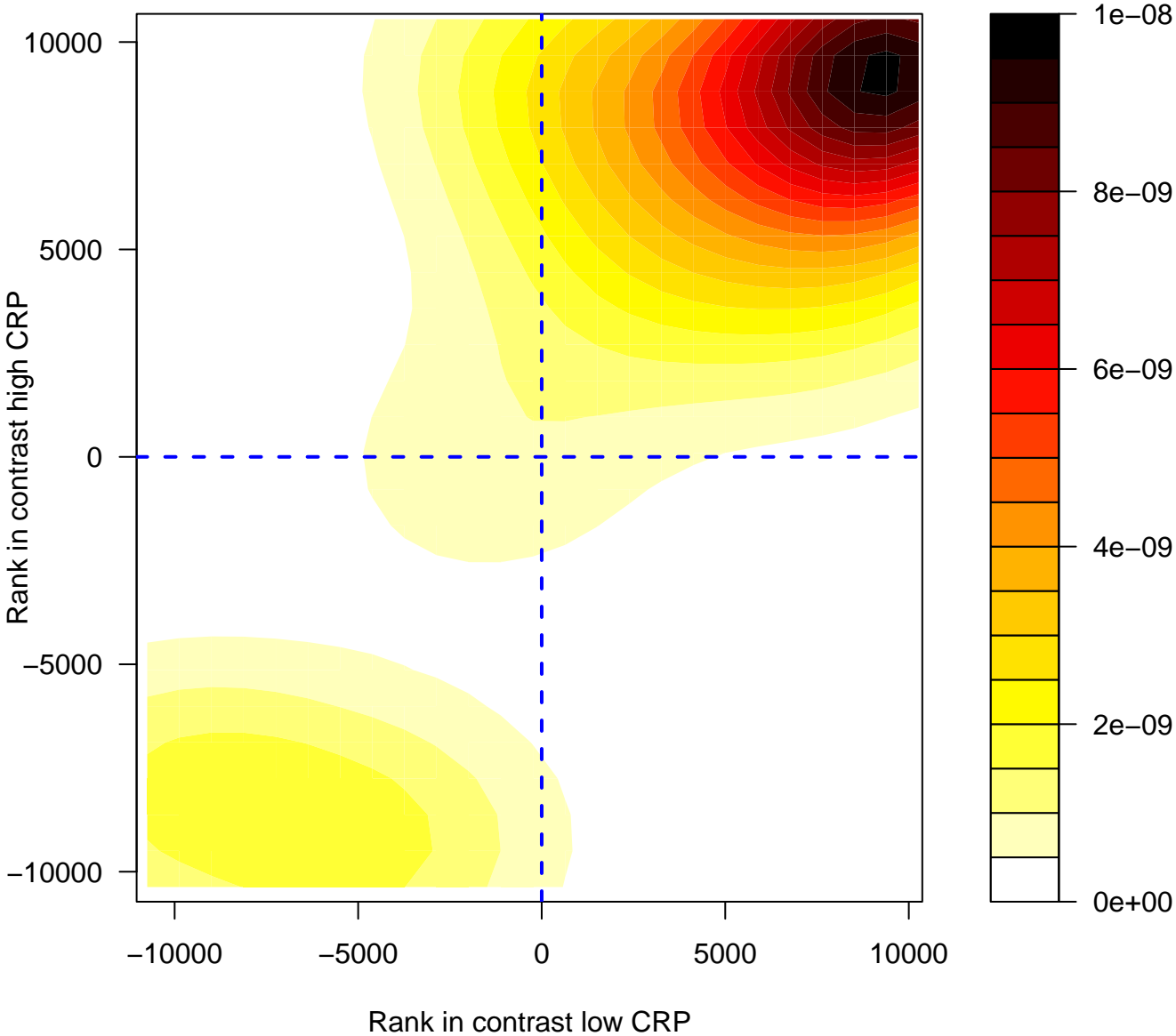
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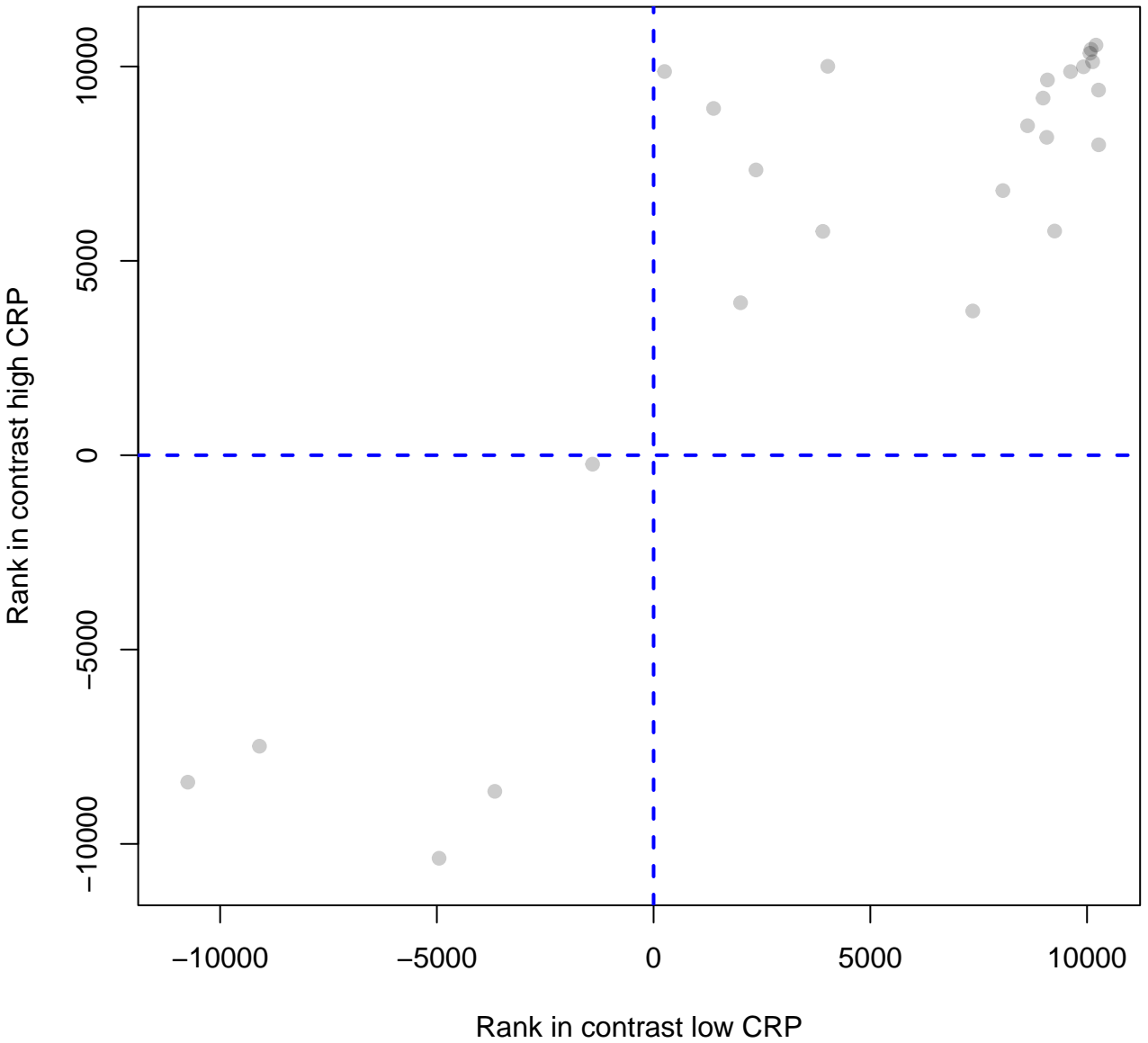
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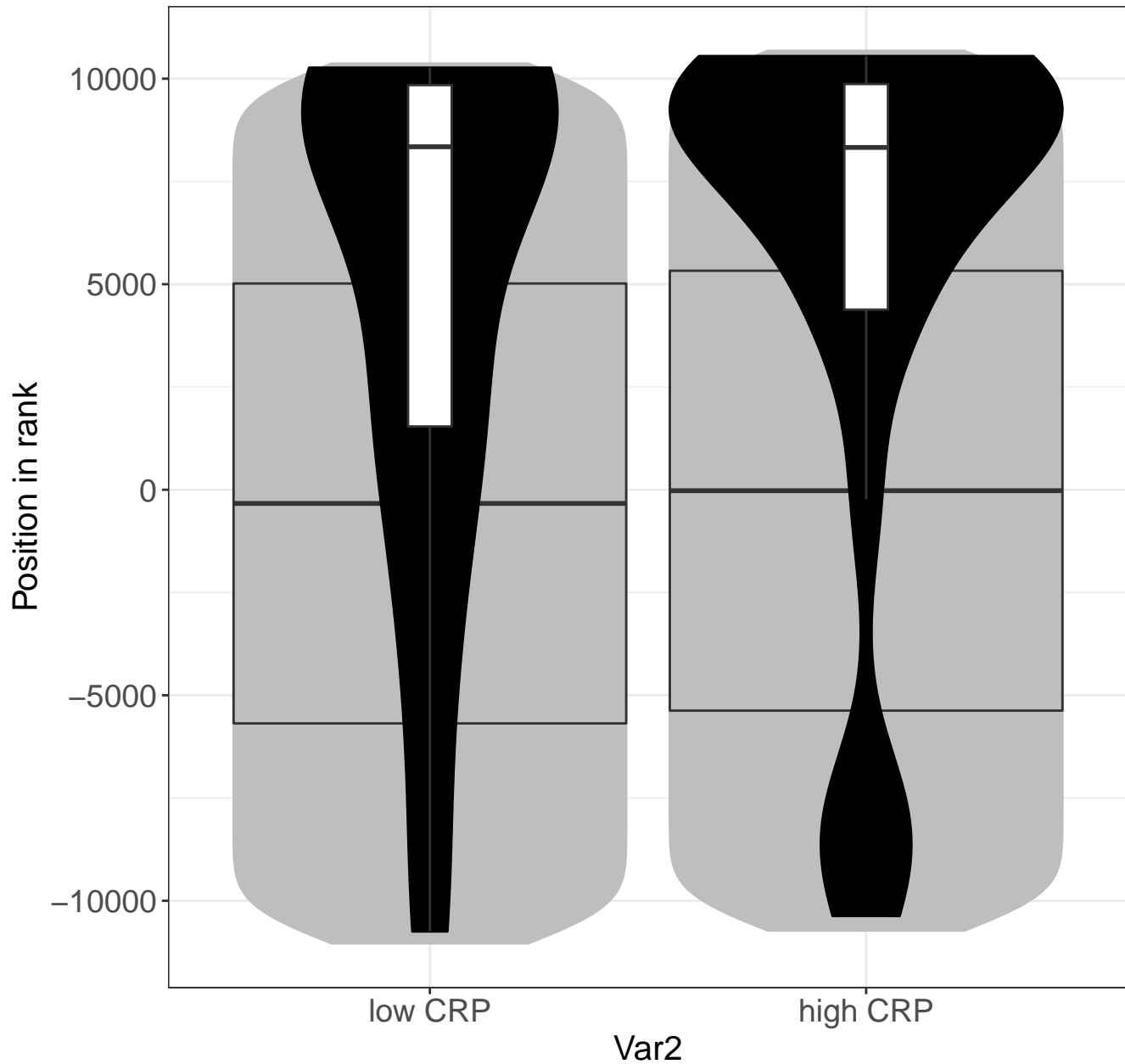
# Transferrin endocytosis and recycling



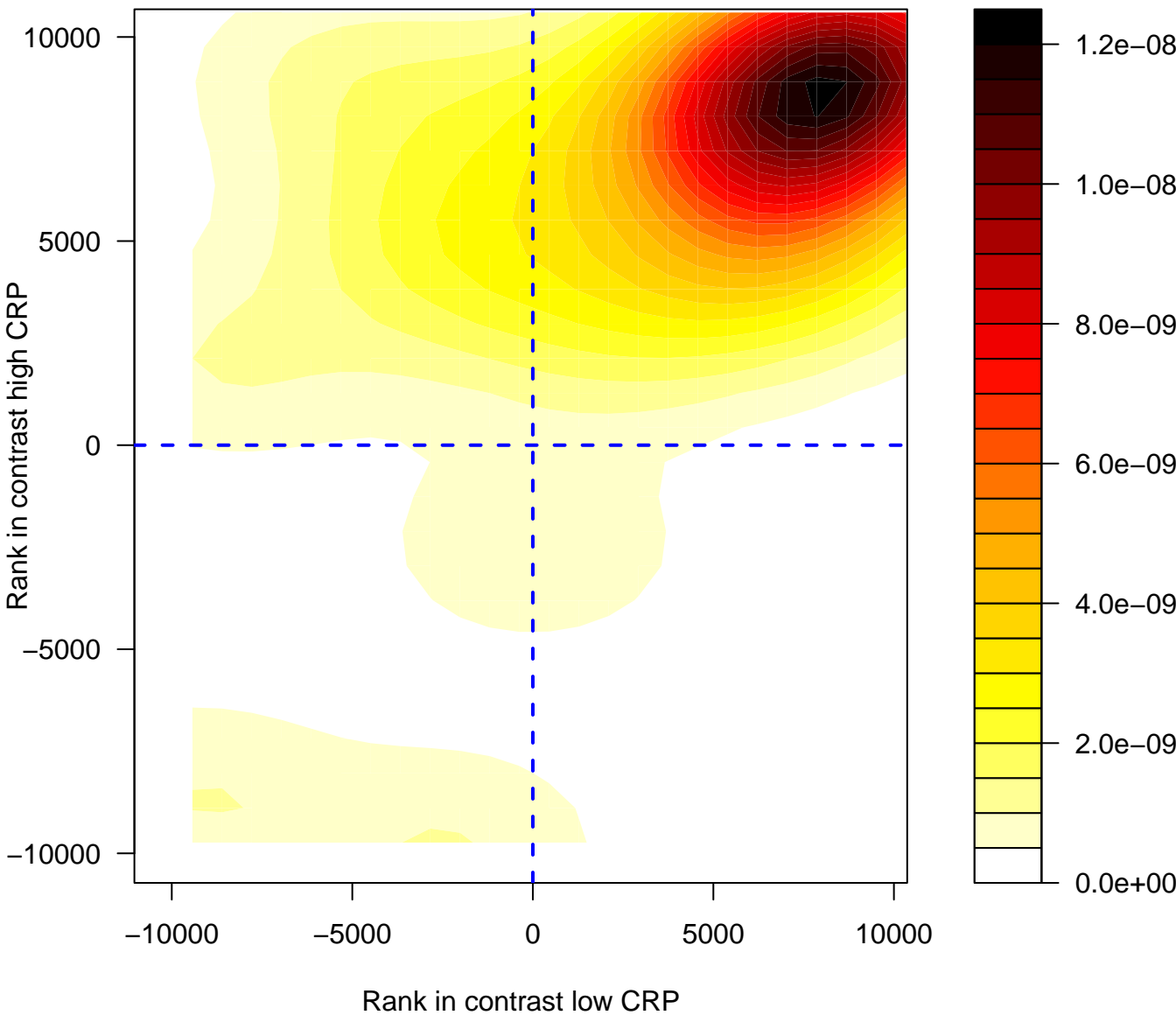
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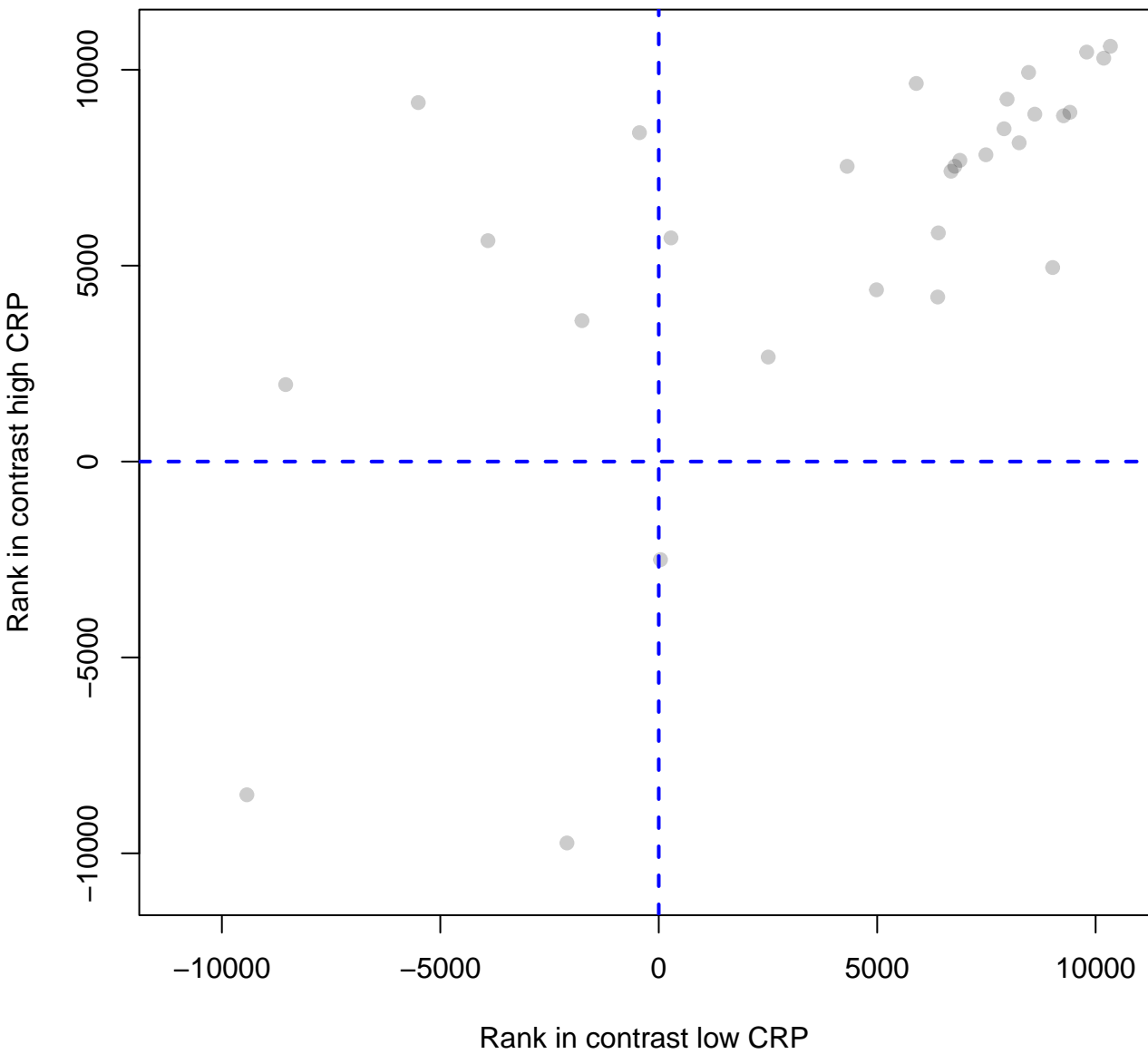
# Transferrin endocytosis and recycling



# Cargo concentration in the ER

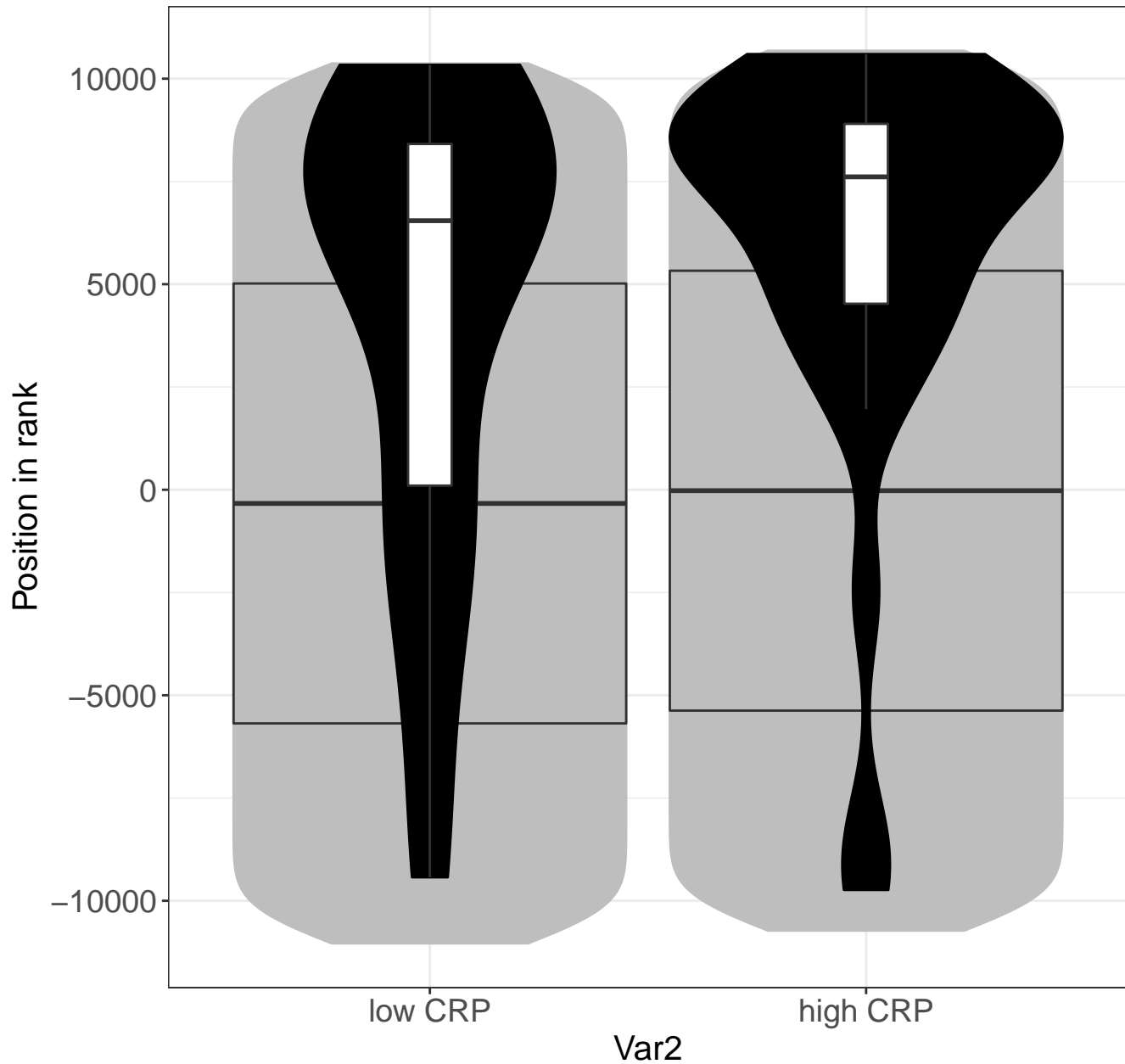


# Cargo concentration in the ER

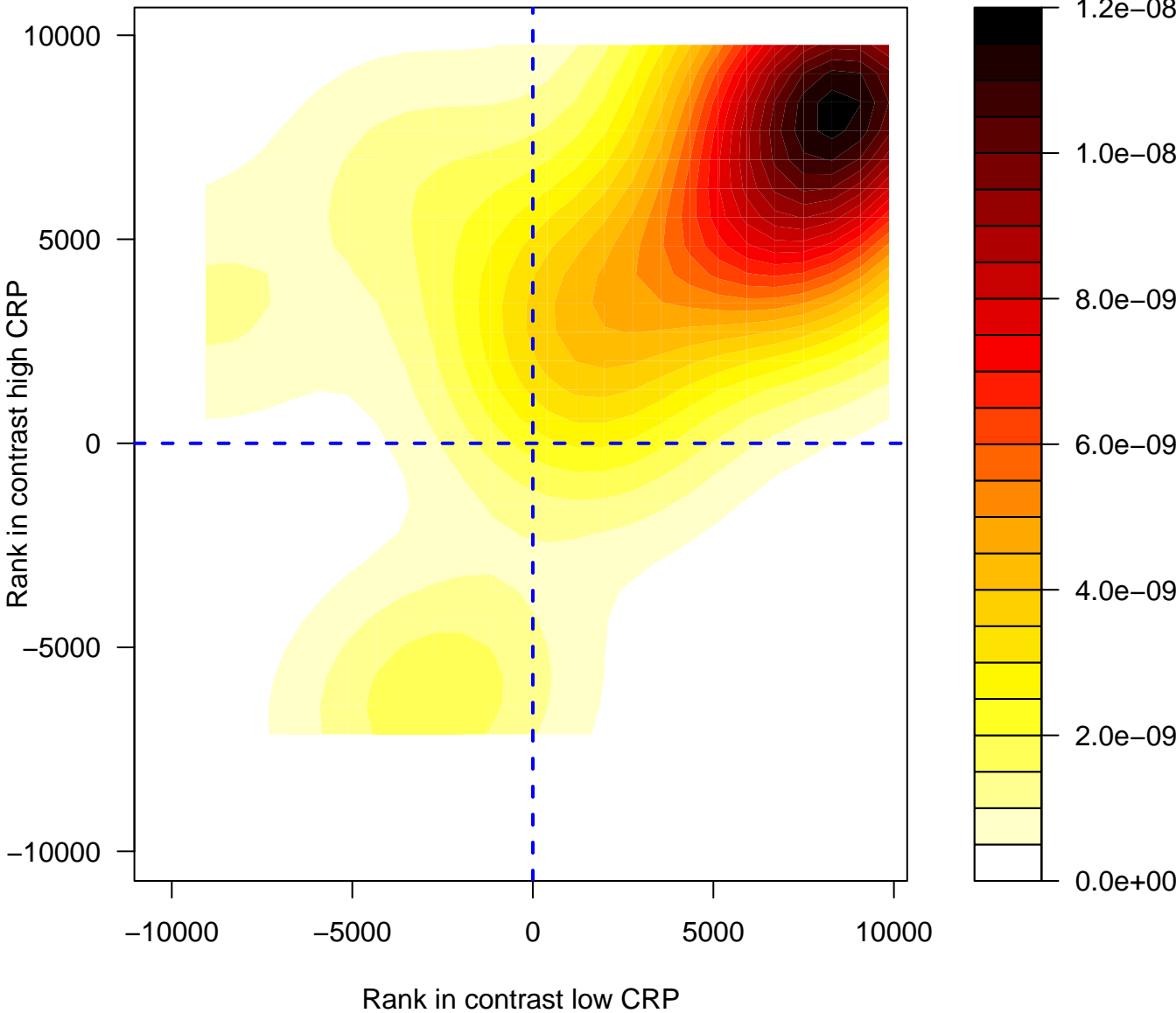




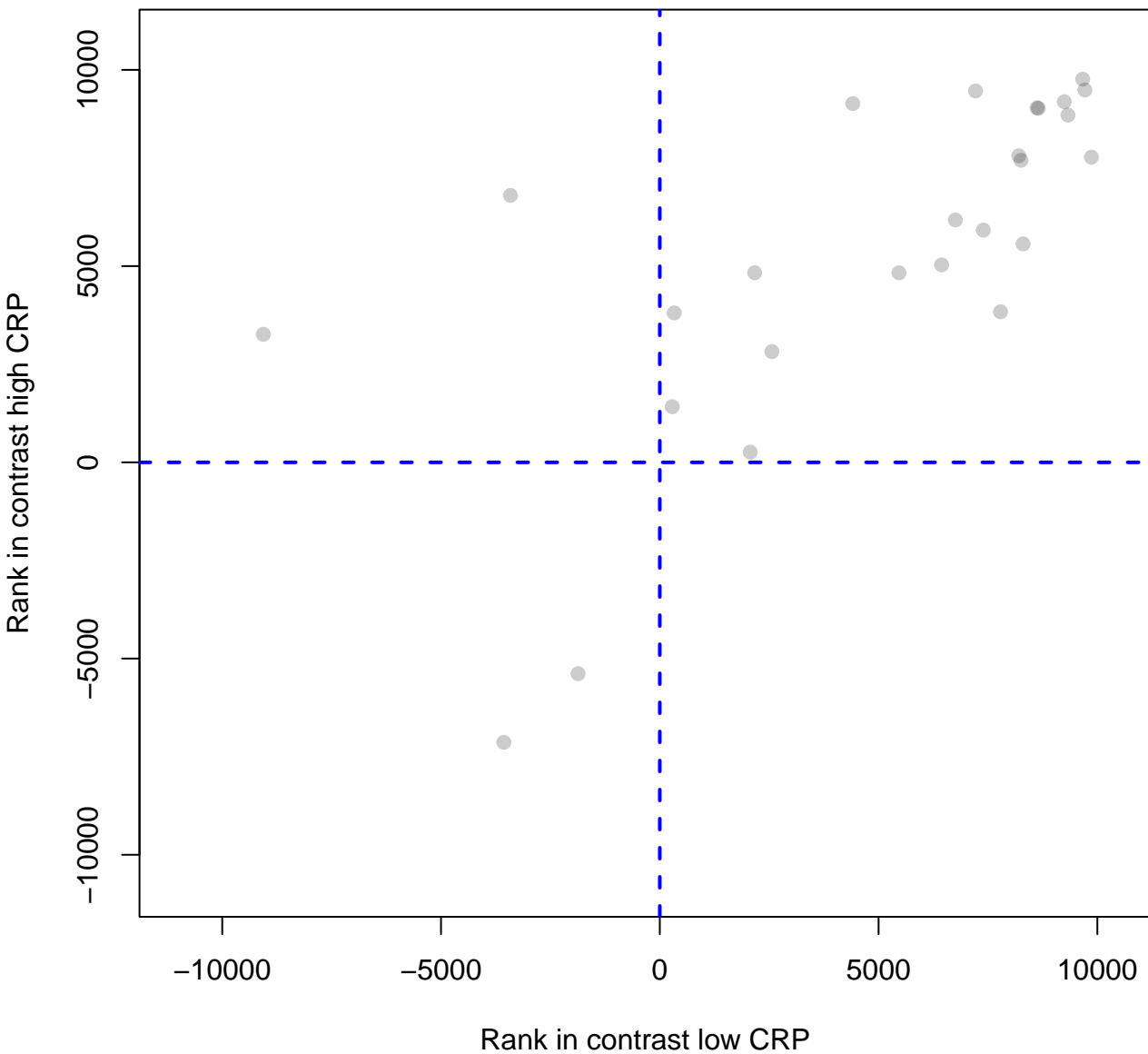
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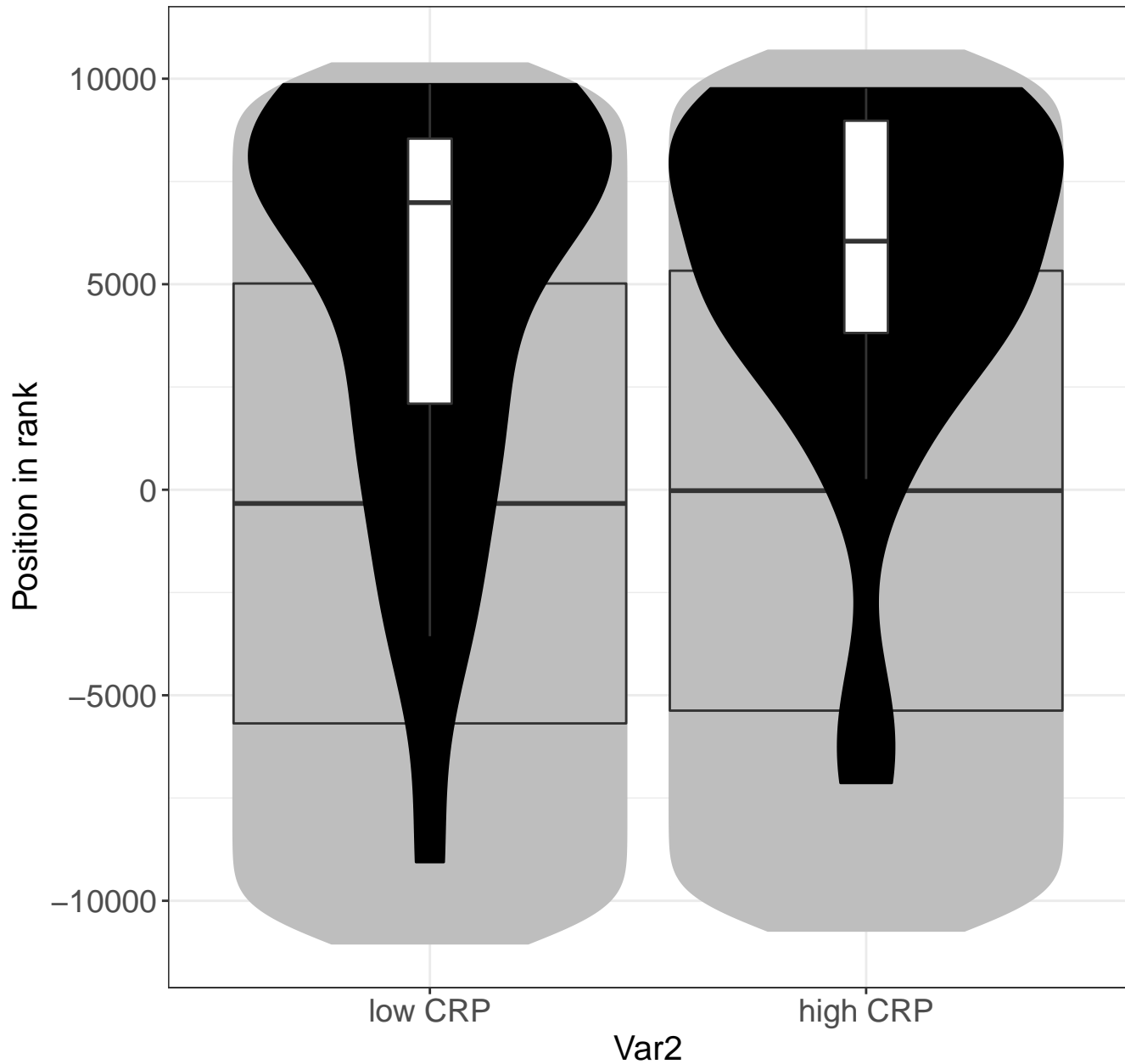
# Budding and maturation of HIV virion



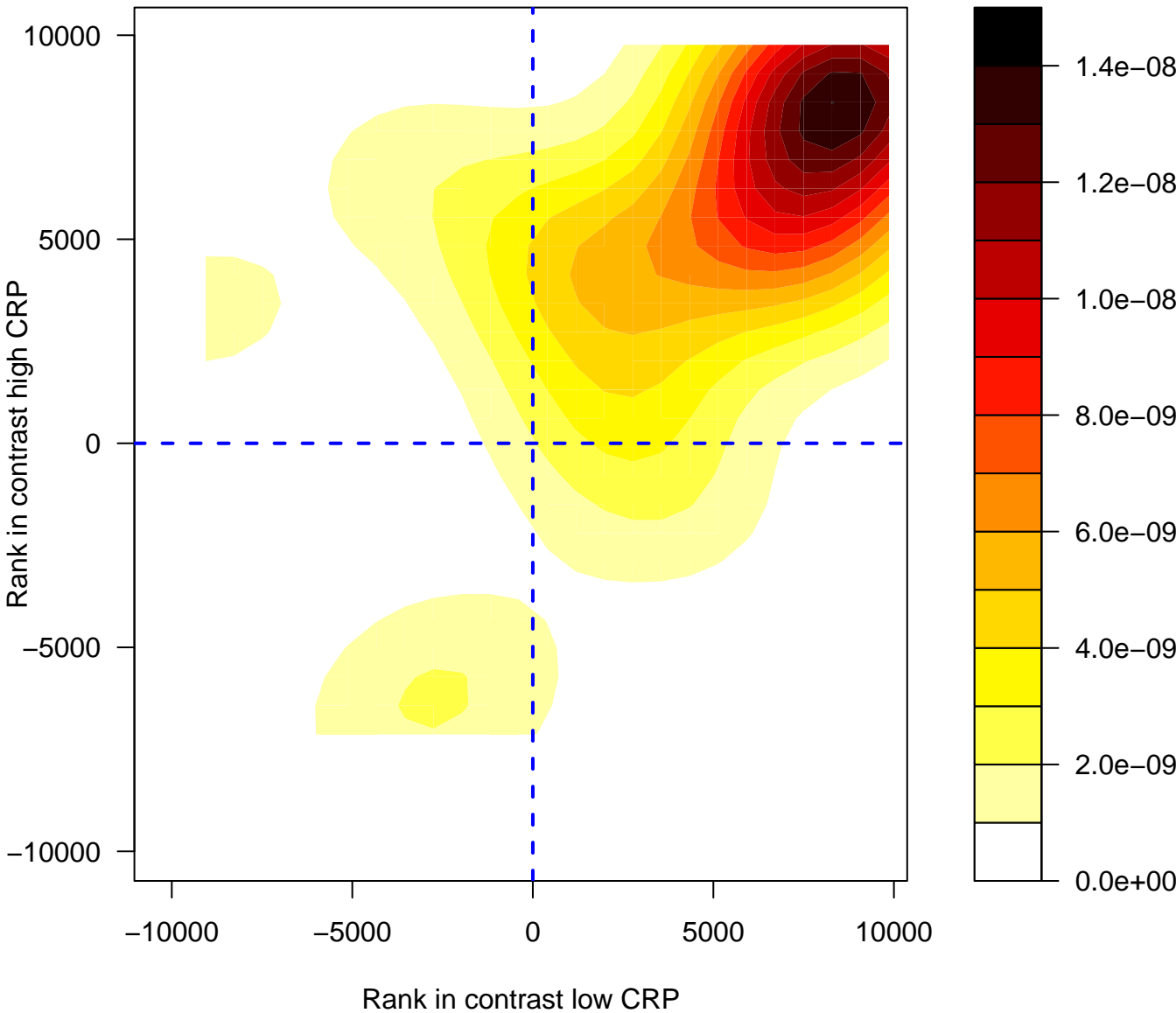
## Budding and maturation of HIV virion



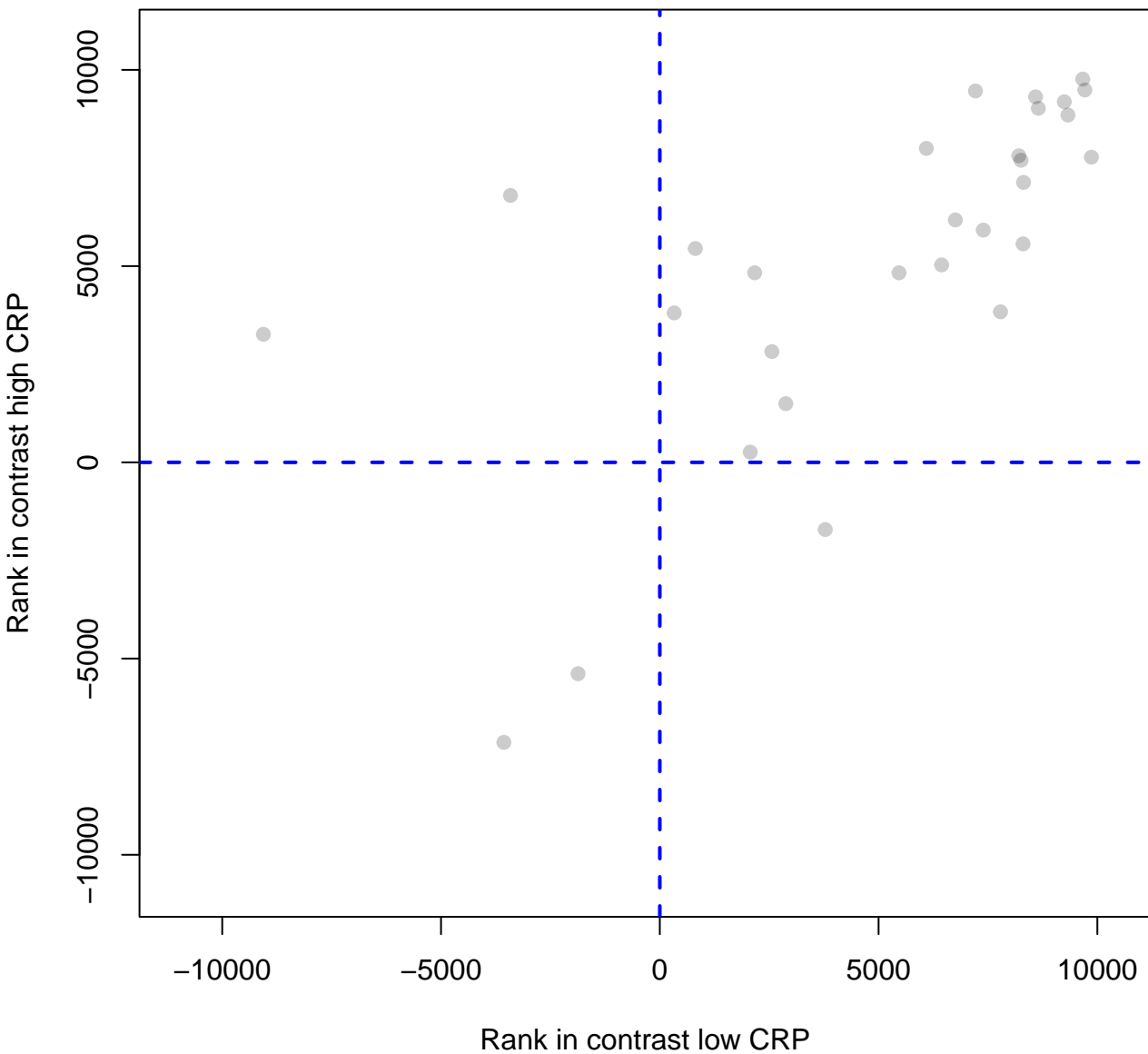
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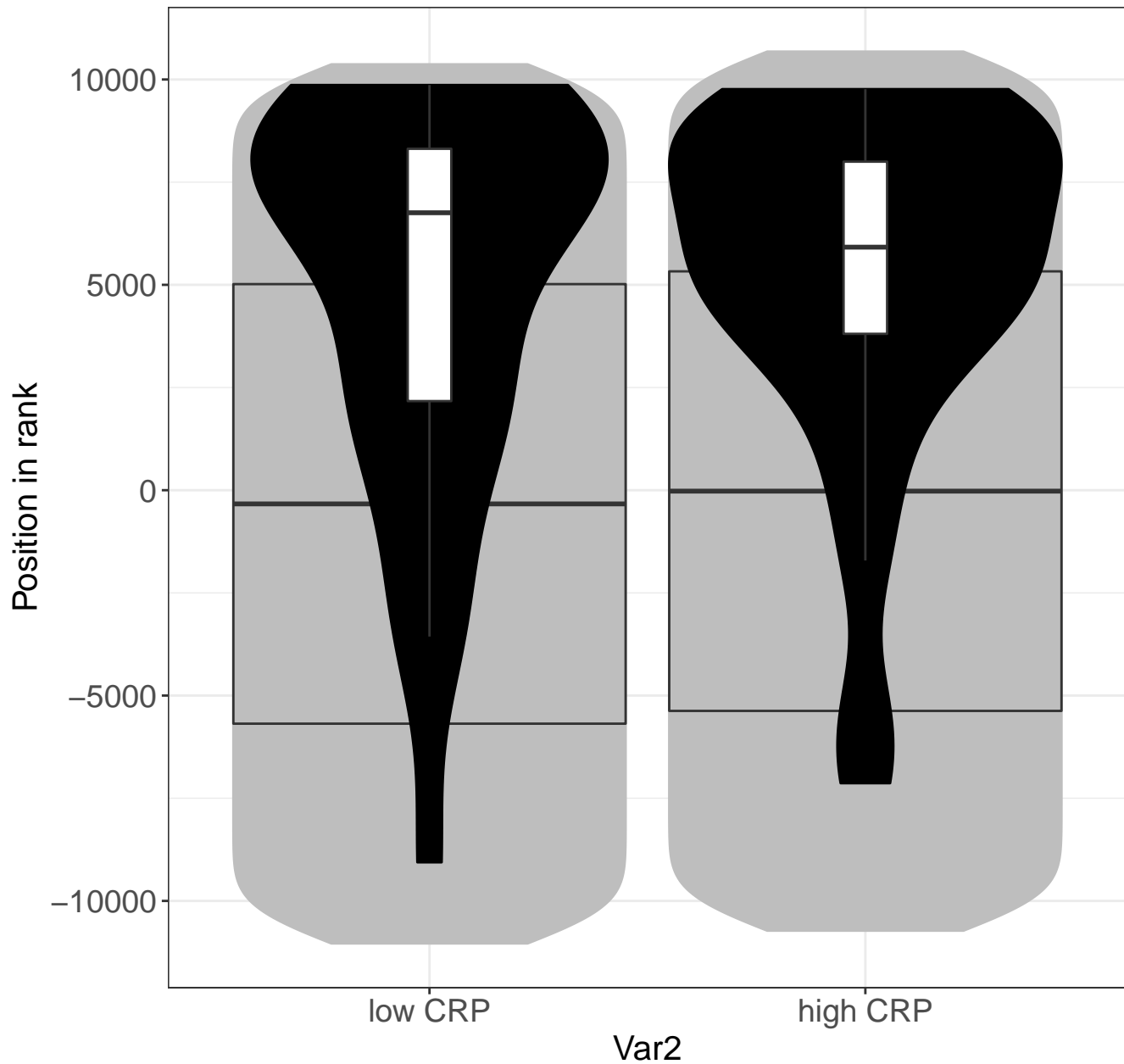
# Endosomal Sorting Complex Required For Transport (ESC)



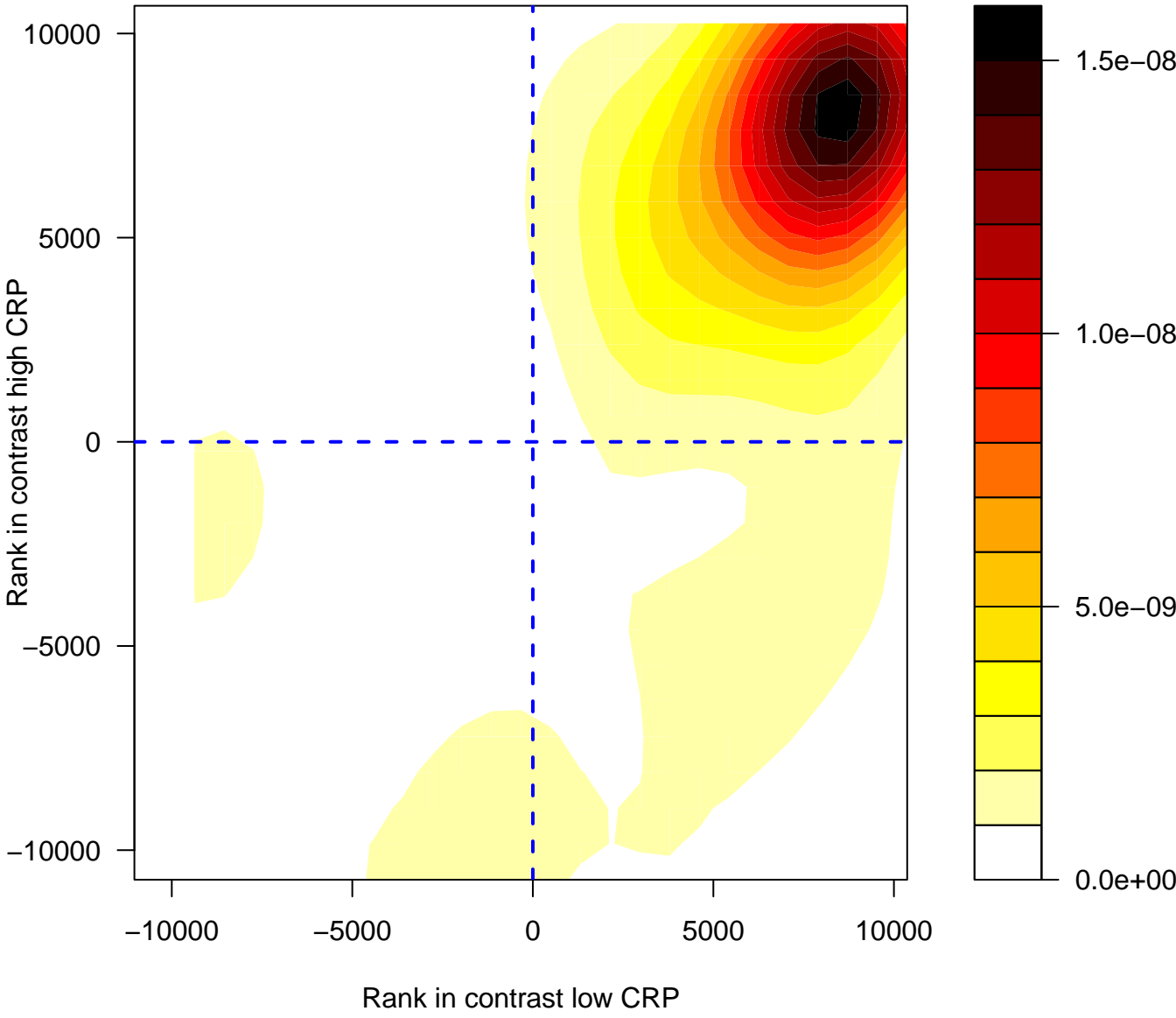
# Endosomal Sorting Complex Required For Transport (ESCRT)



# Endosomal Sorting Complex Required For Trans

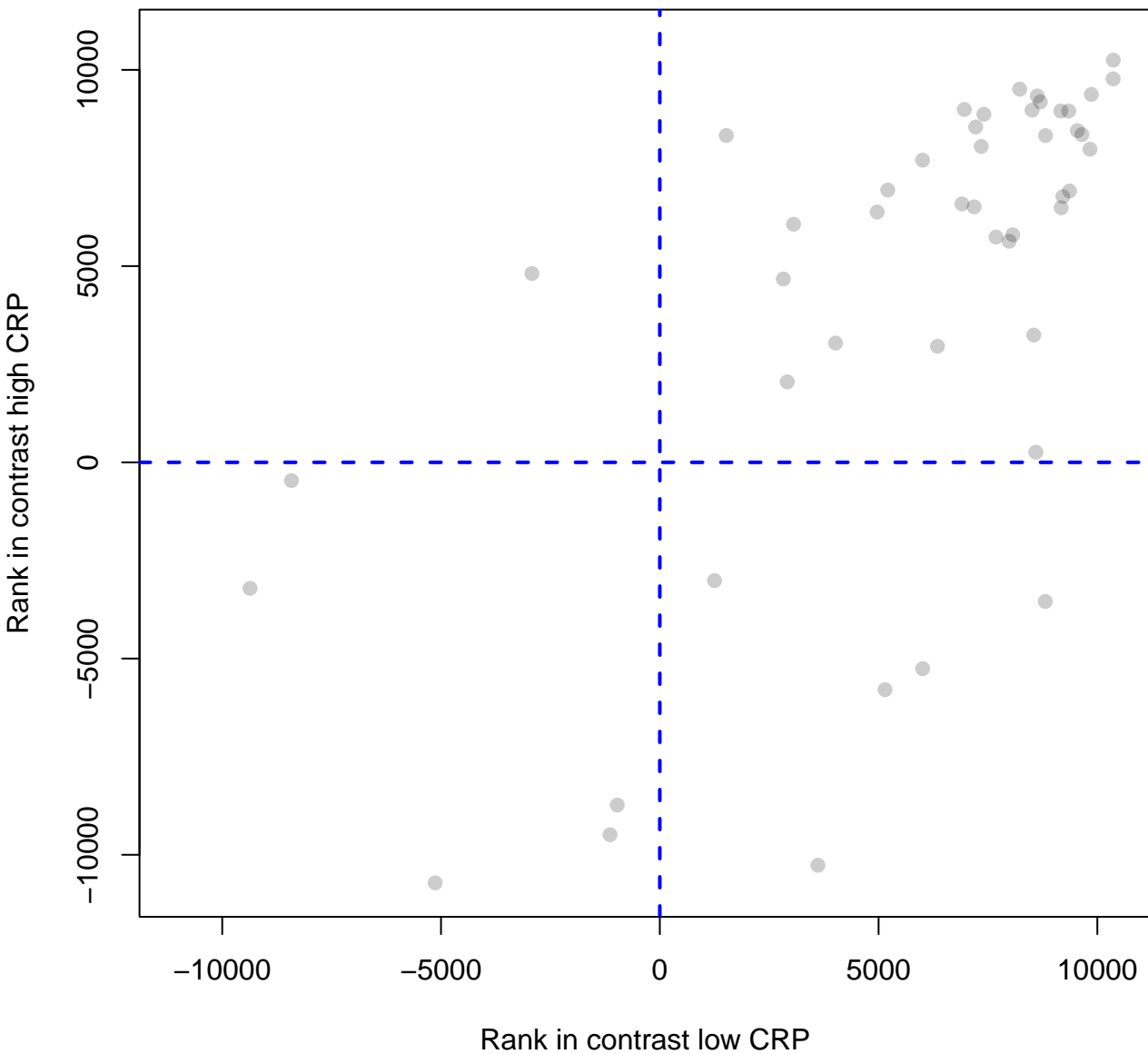


# Cross-presentation of soluble exogenous antigens (endosc

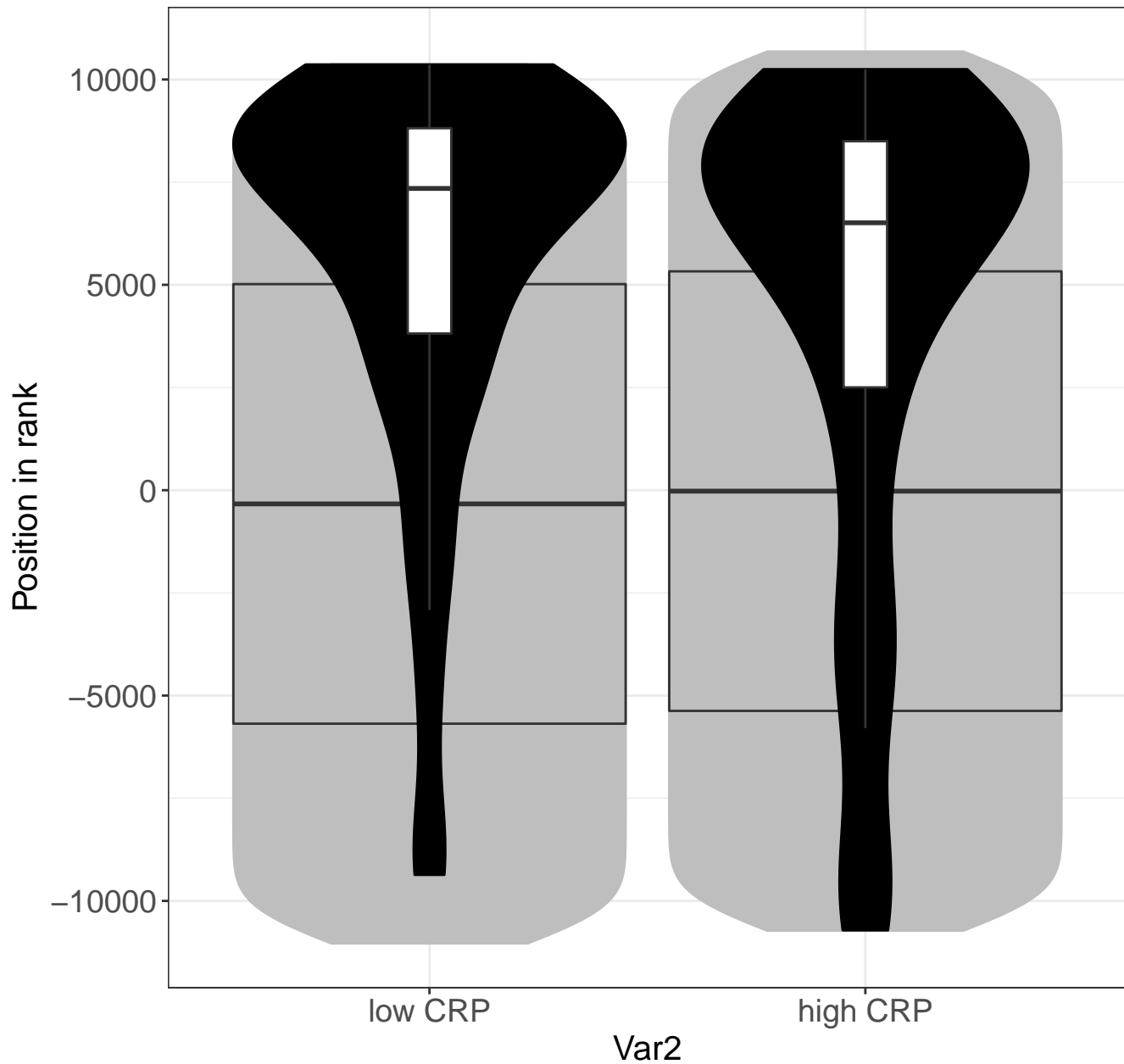




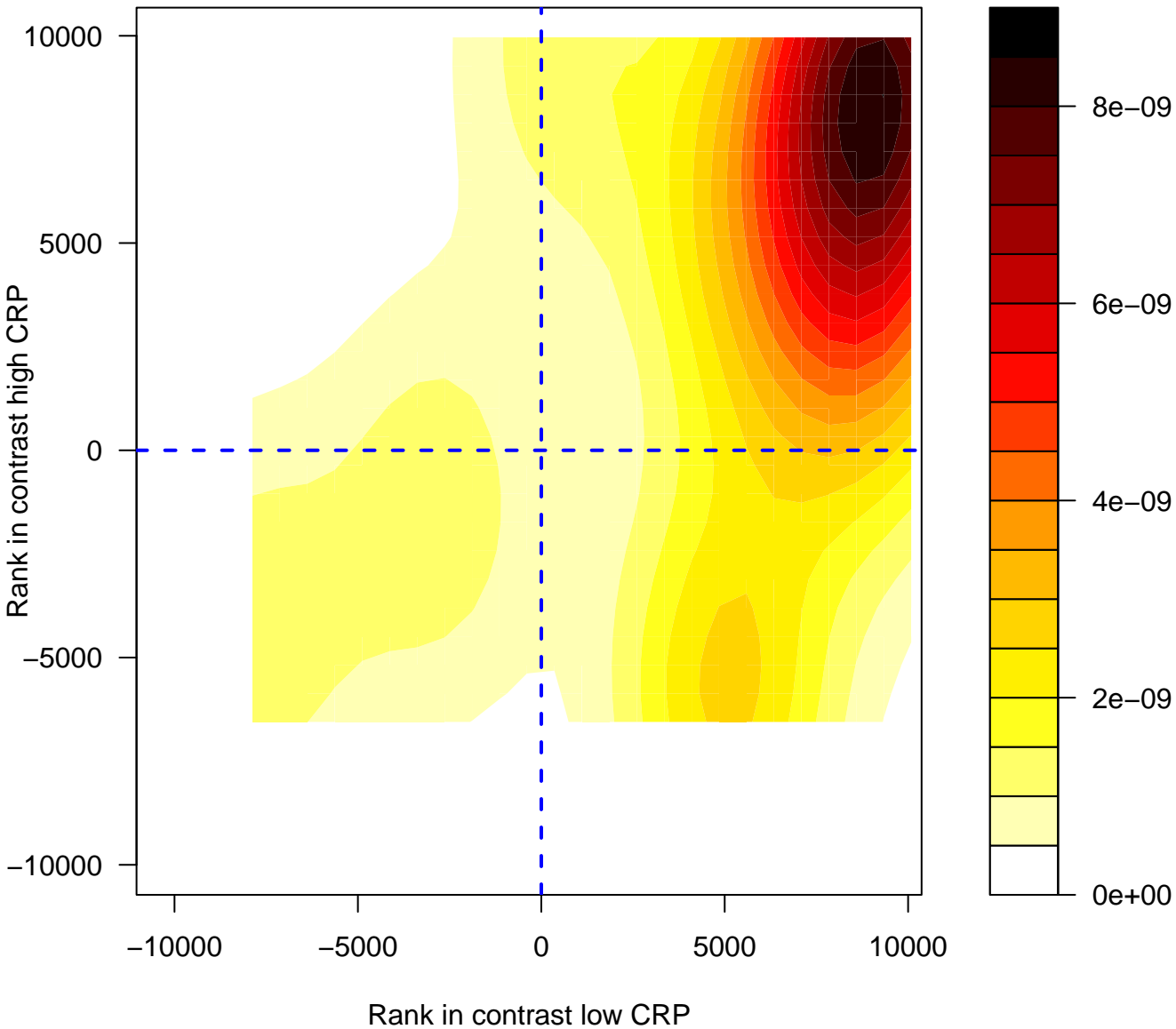
# Cross-presentation of soluble exogenous antigens (endosomes)



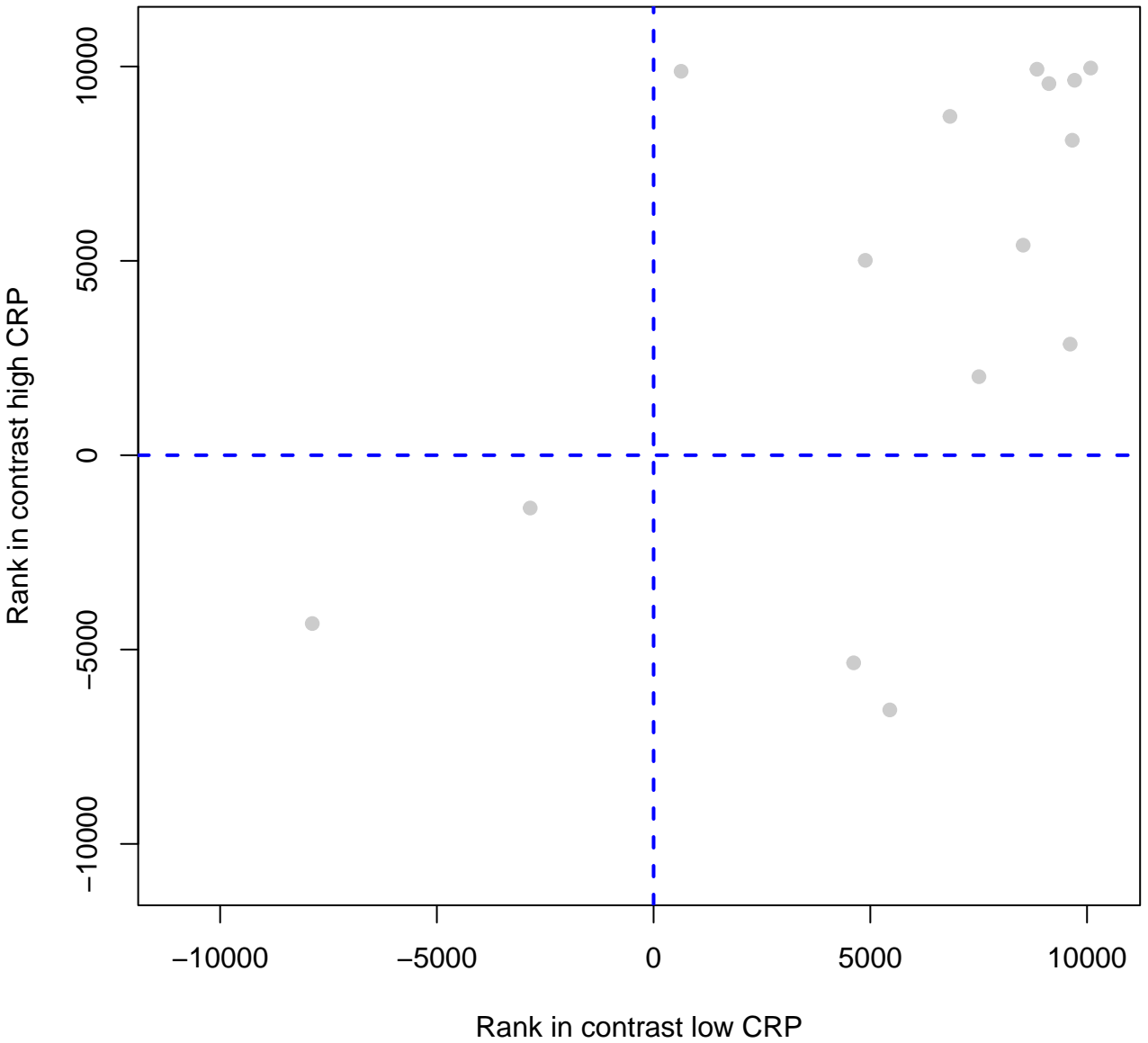
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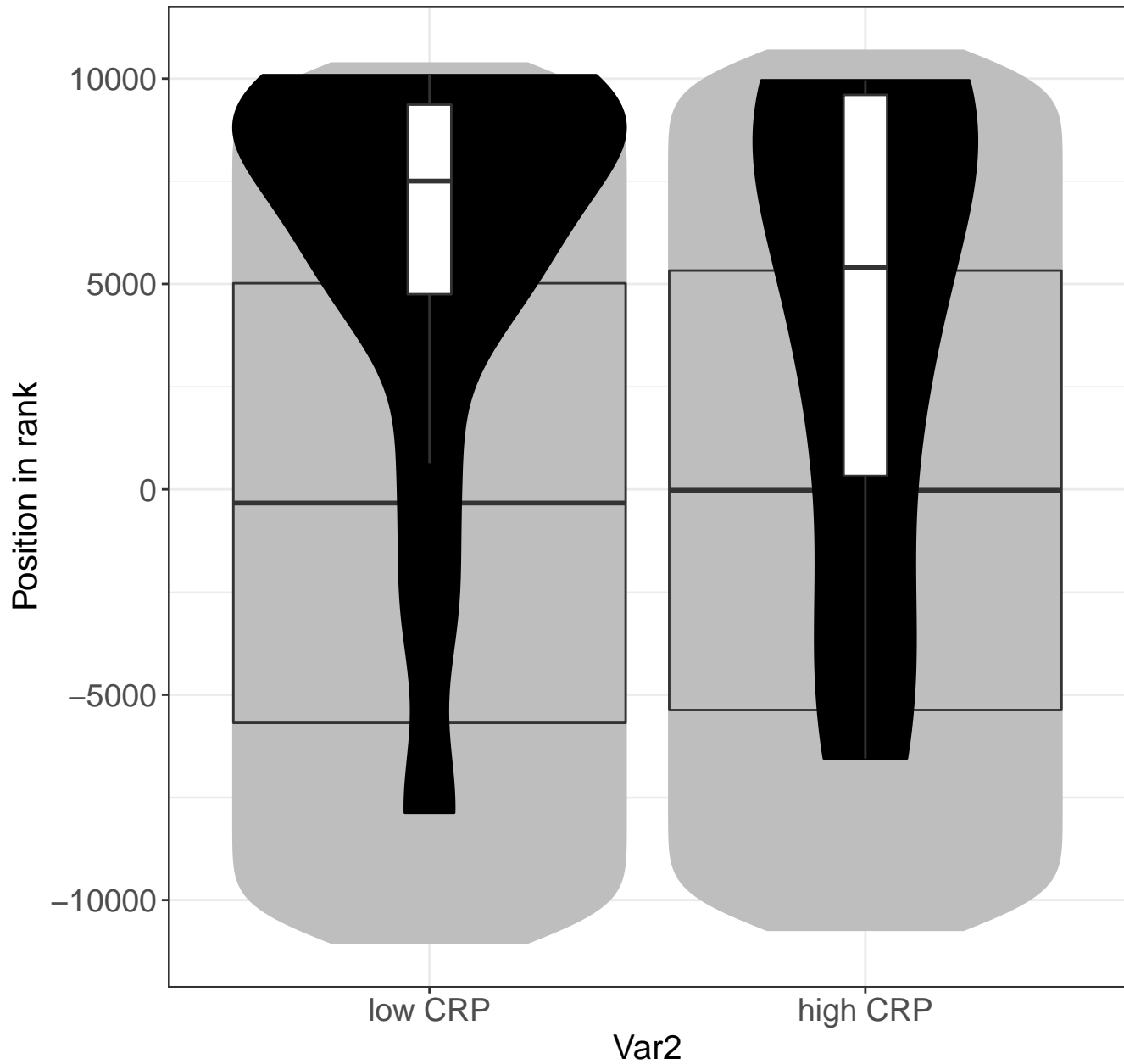
# The NLRP3 inflammasome



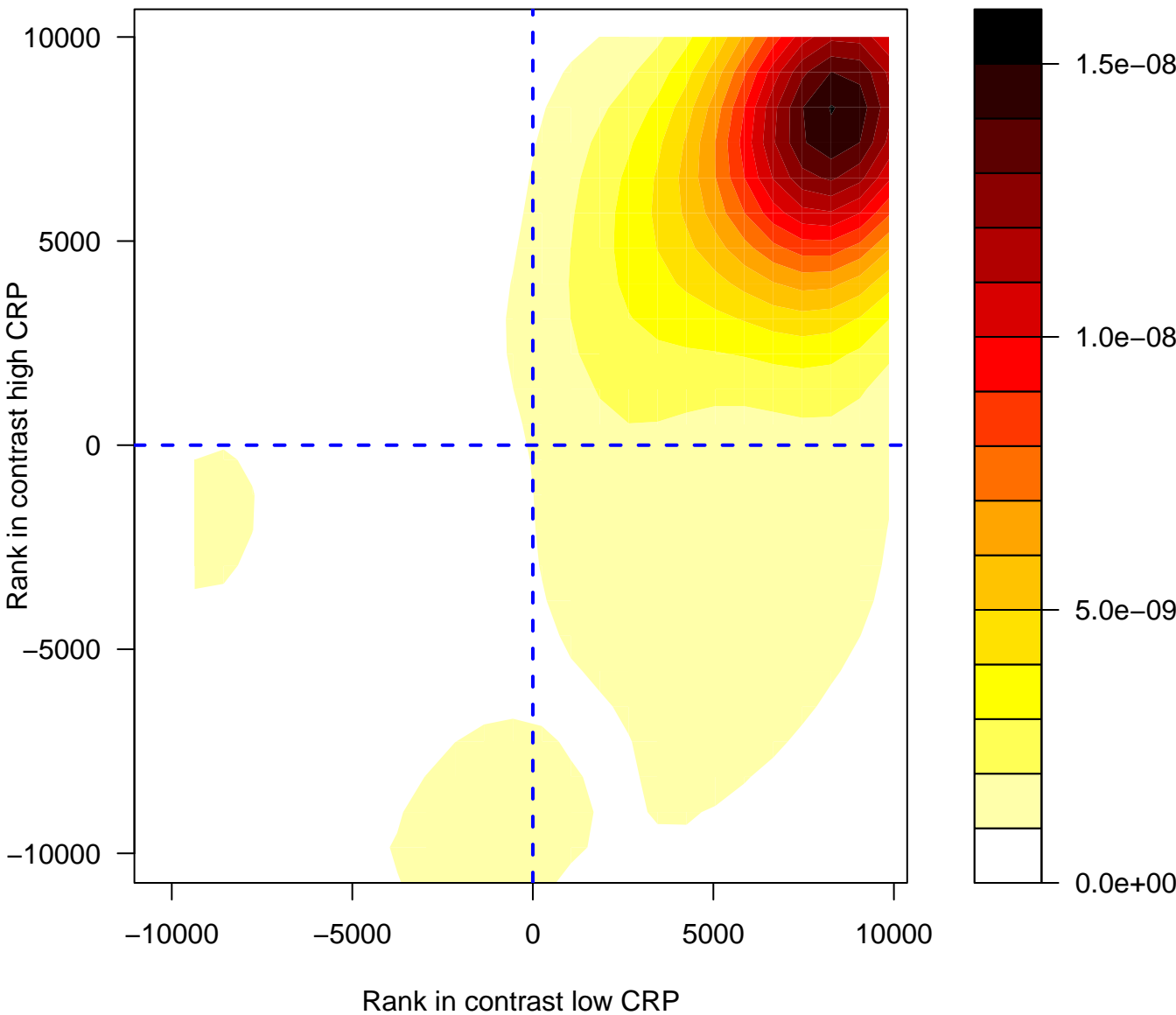
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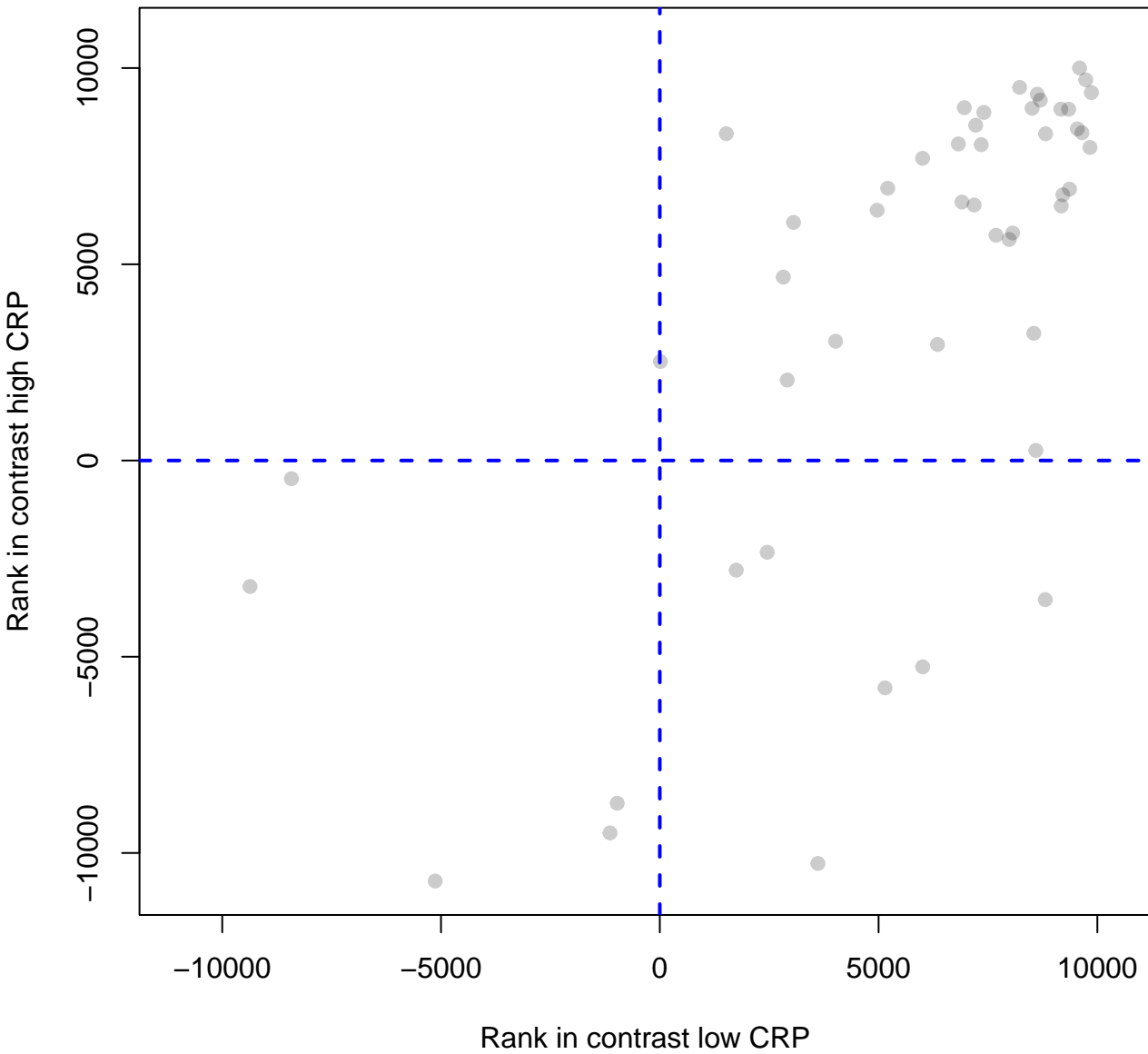
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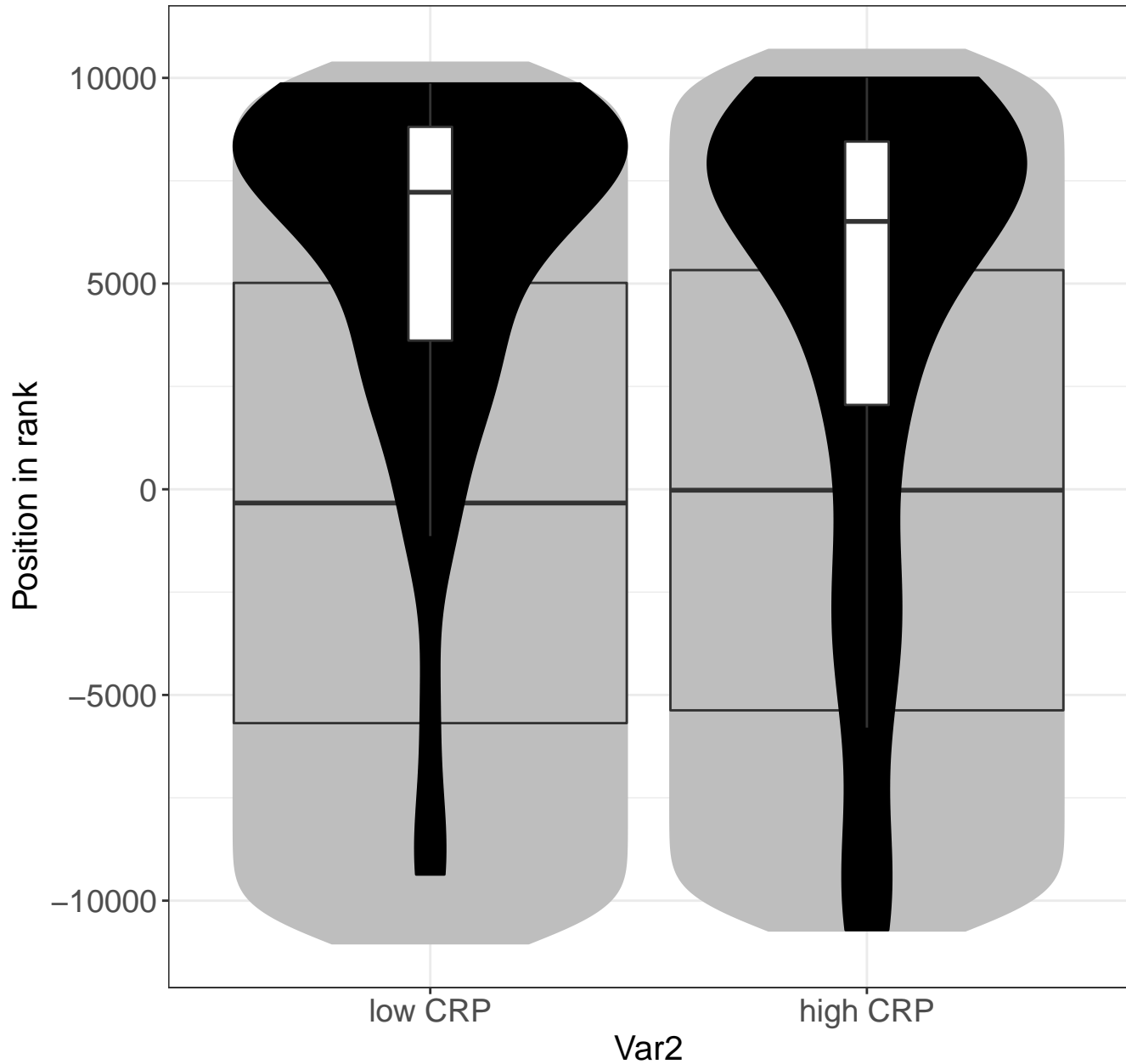
# Regulation of ornithine decarboxylase (ODC)



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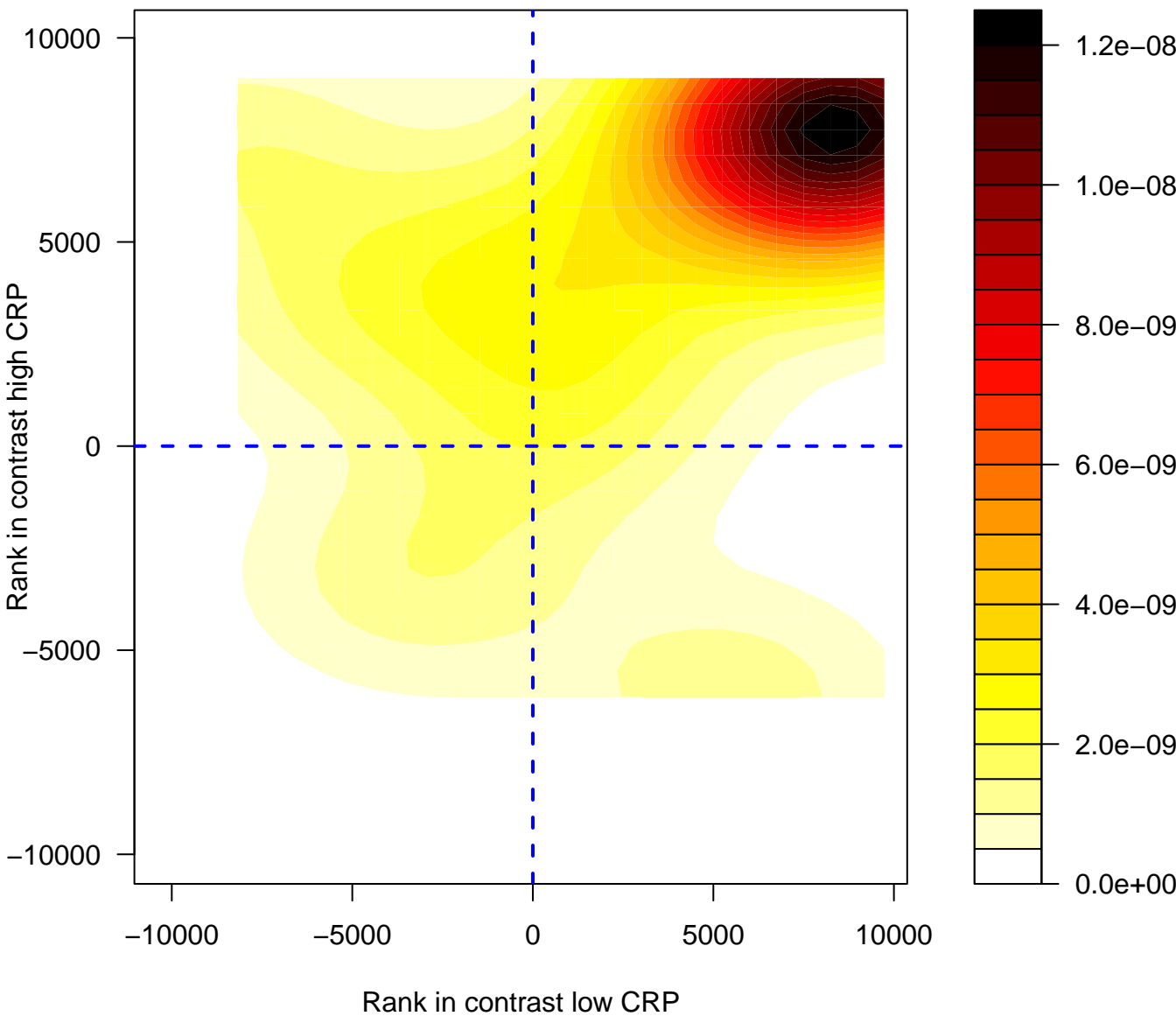


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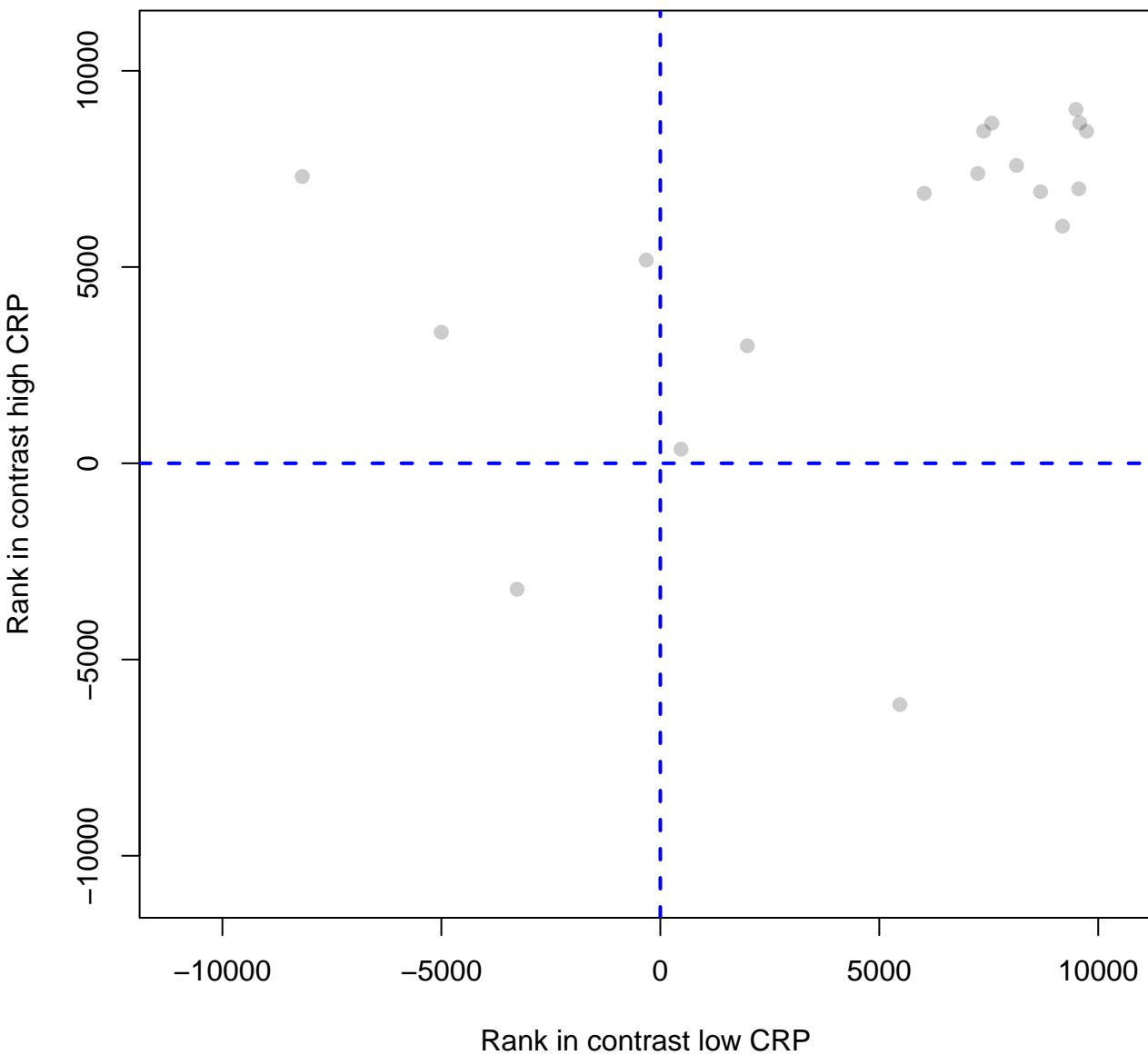




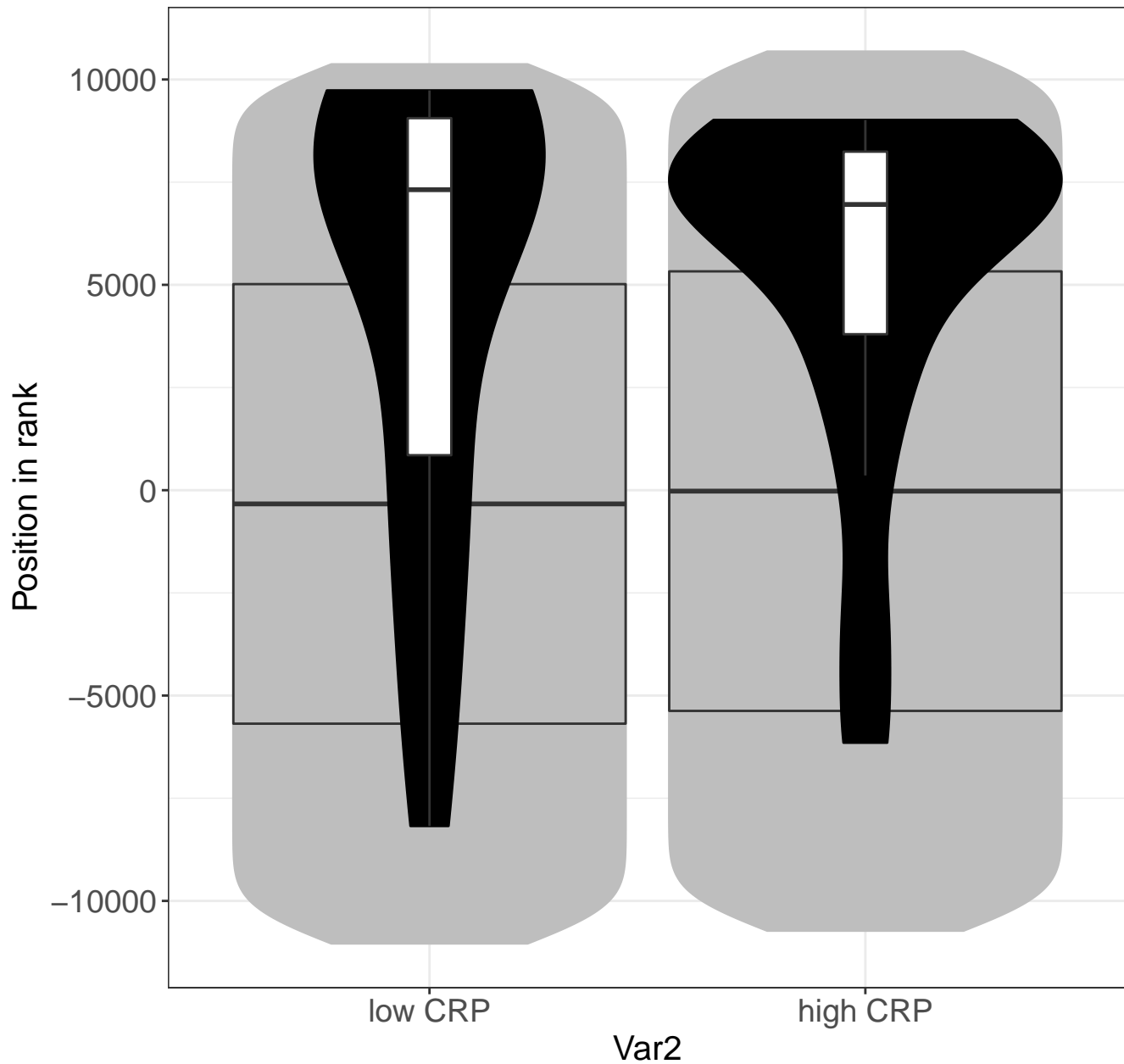
# Formation of ATP by chemiosmotic coupling



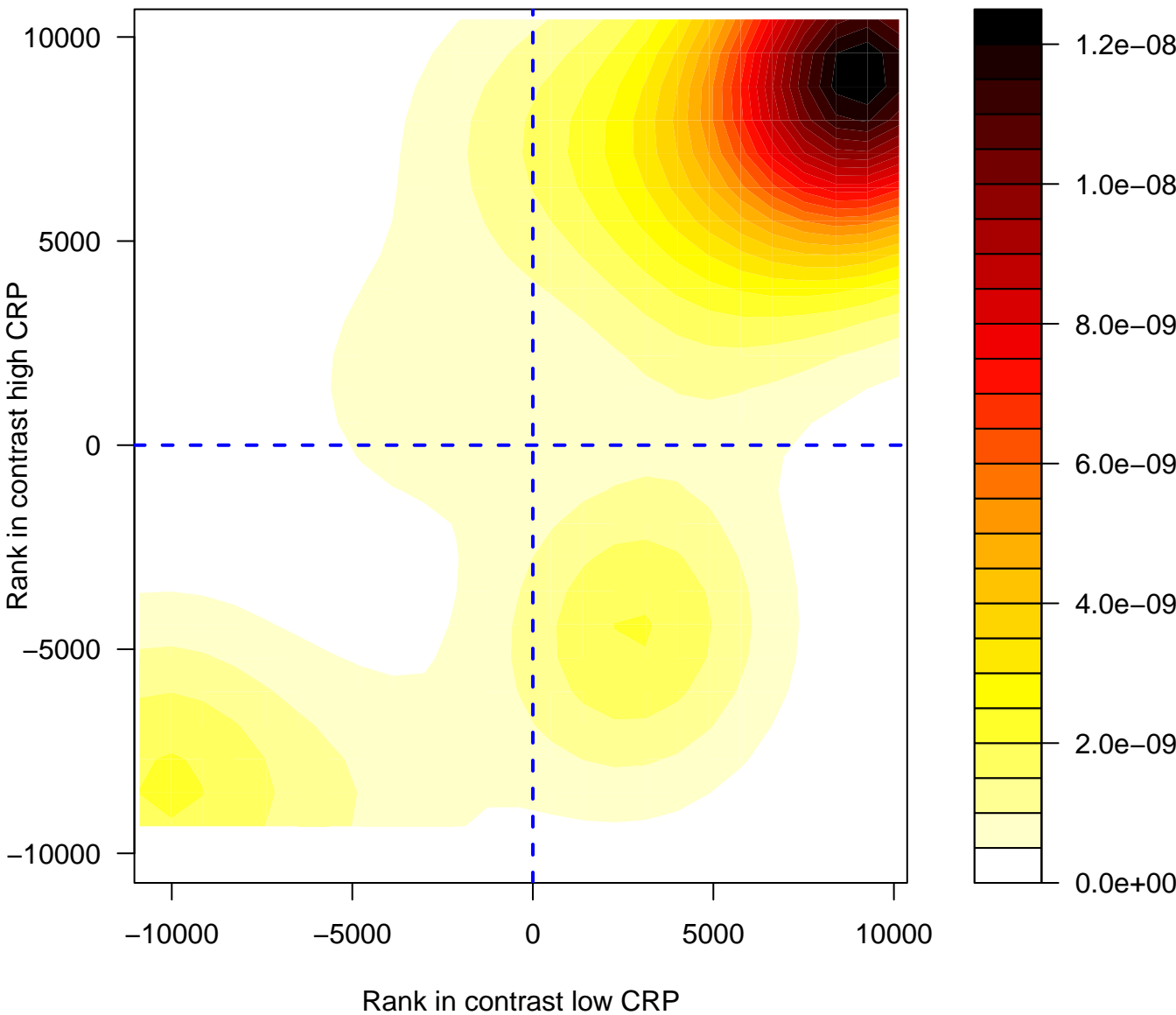
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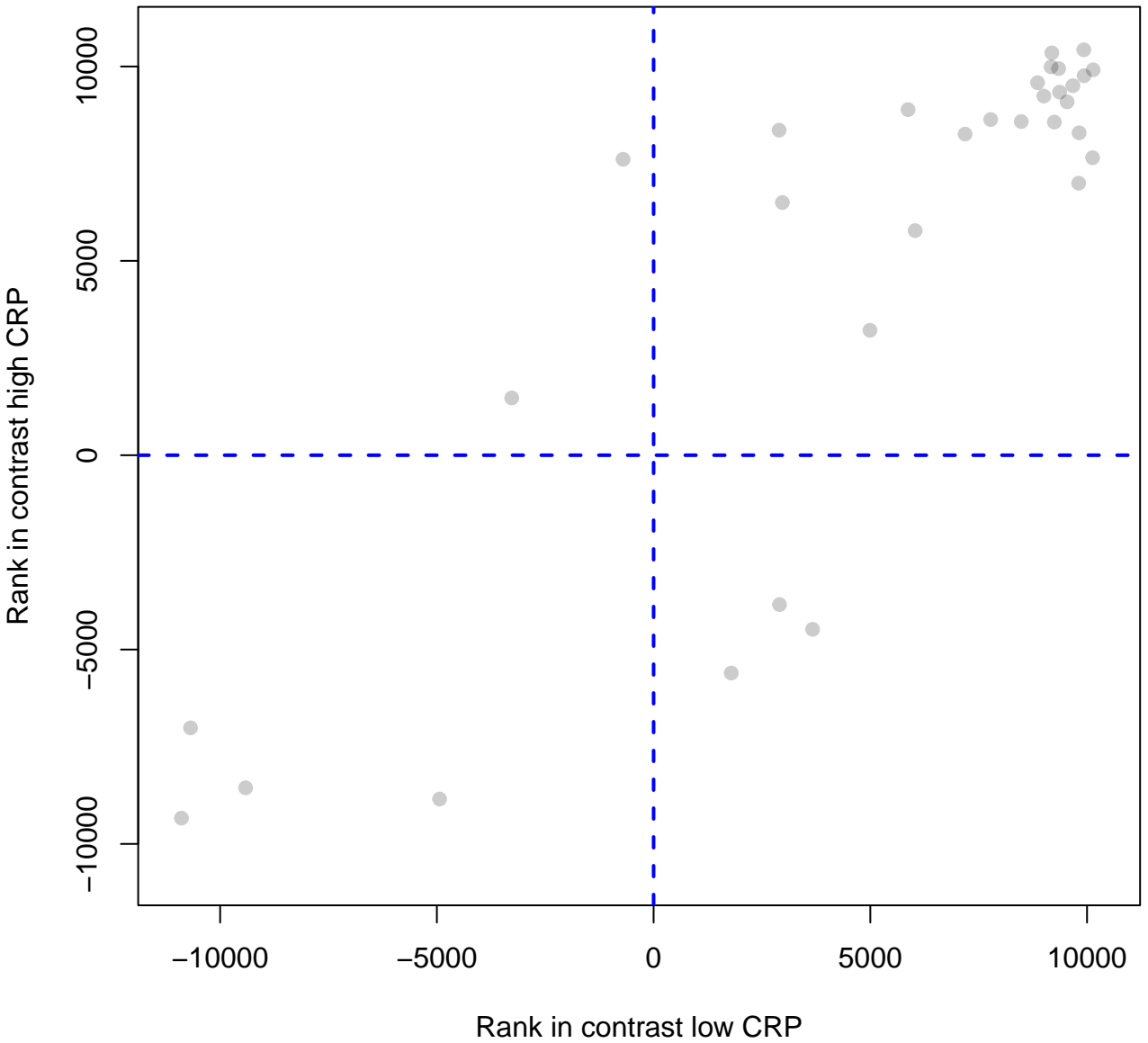
# Formation of ATP by chemiosmotic coupling



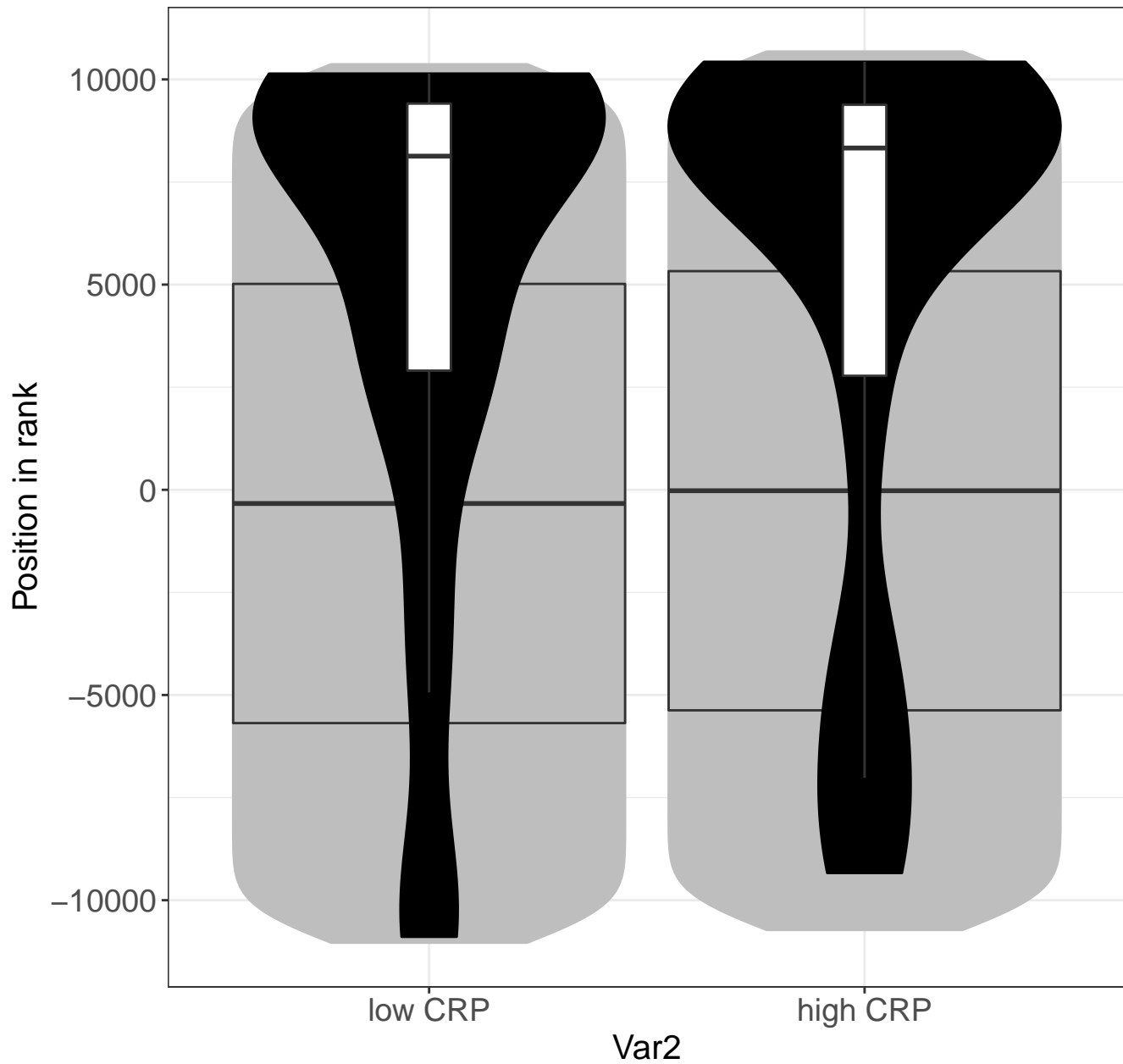
# EPHB-mediated forward signaling



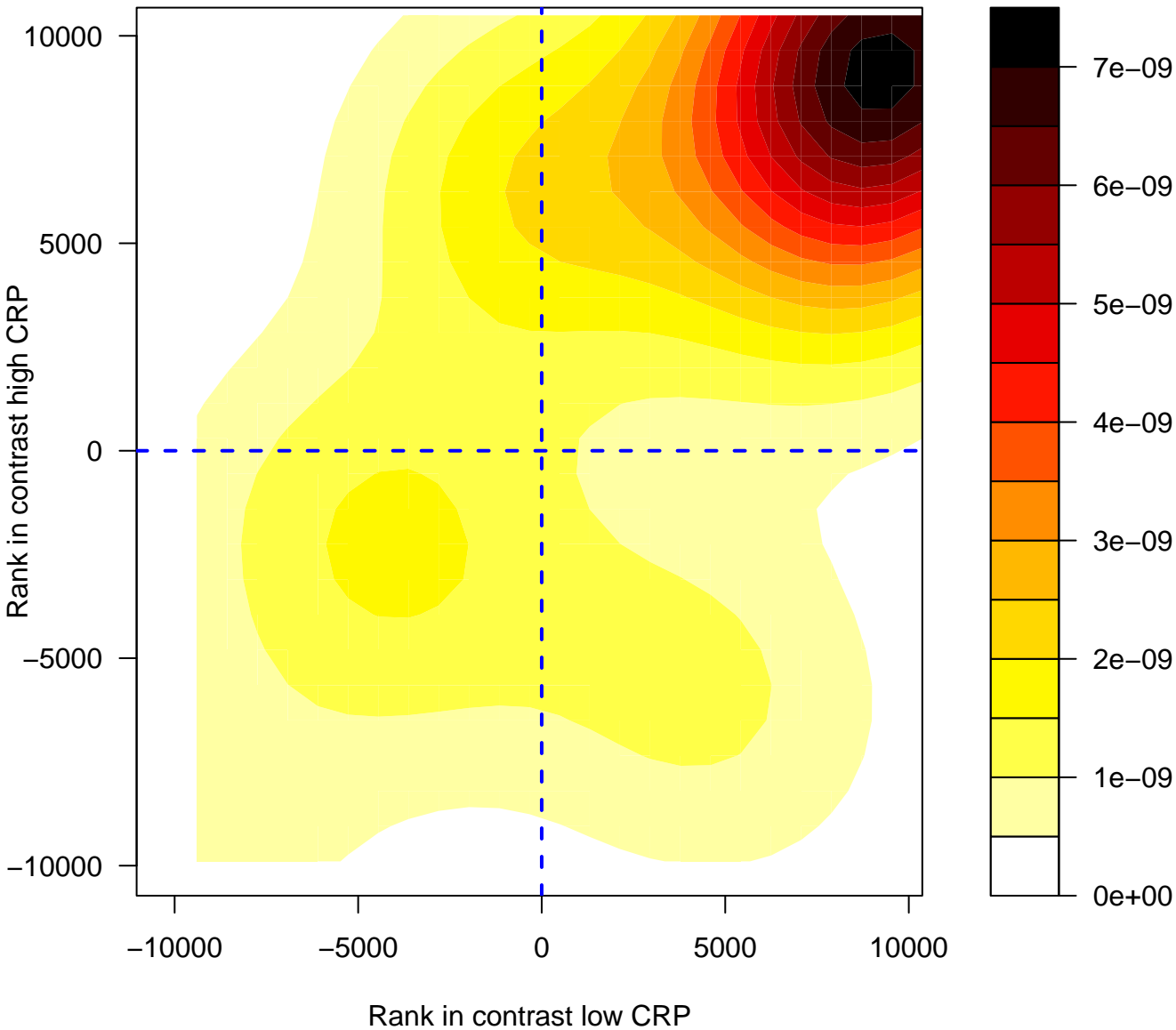
# EPHB-mediated forward signaling



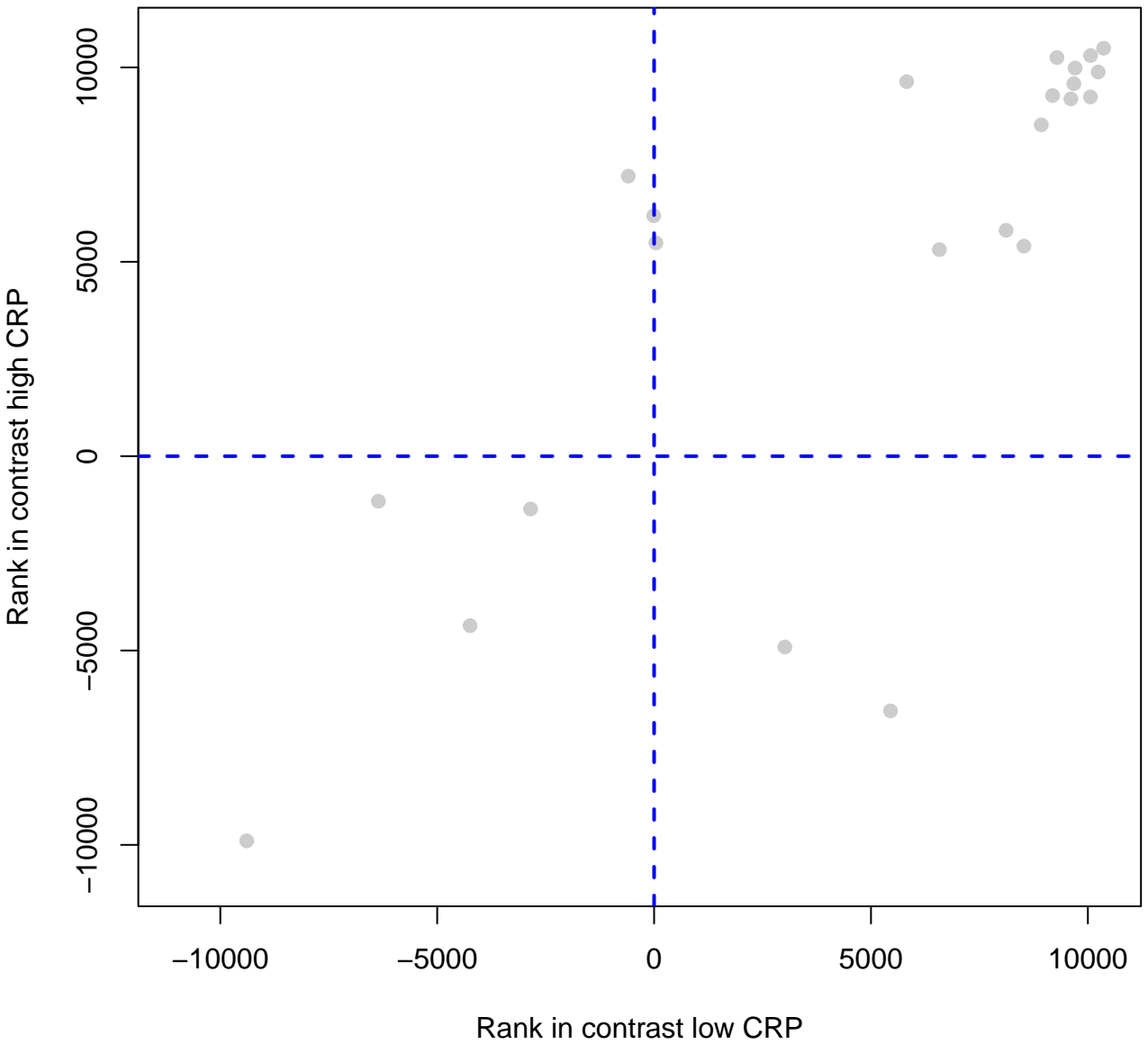
# EPHB-mediated forward signaling



# Diseases associated with the TLR signaling cascade

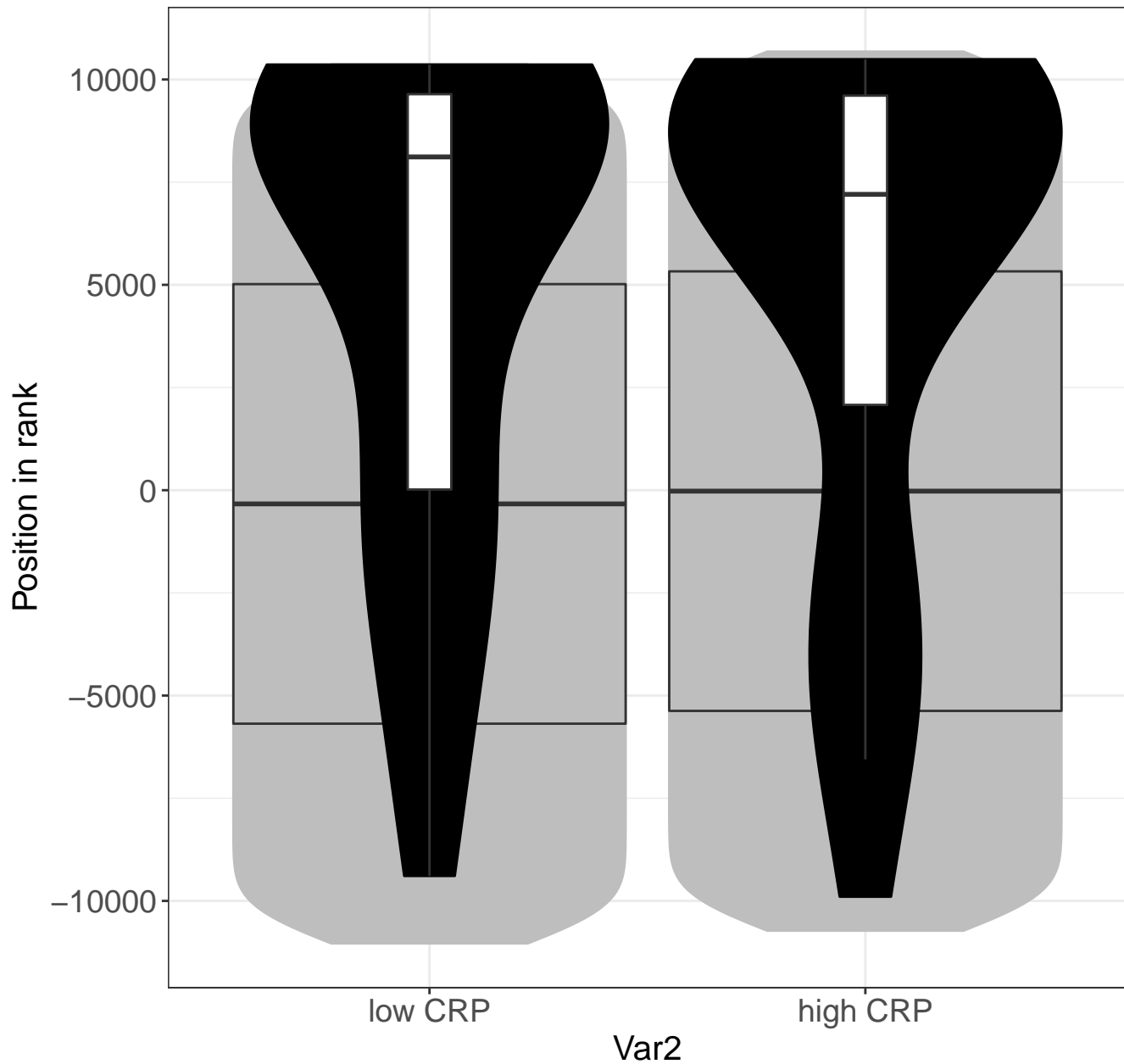


# Diseases associated with the TLR signaling cascade

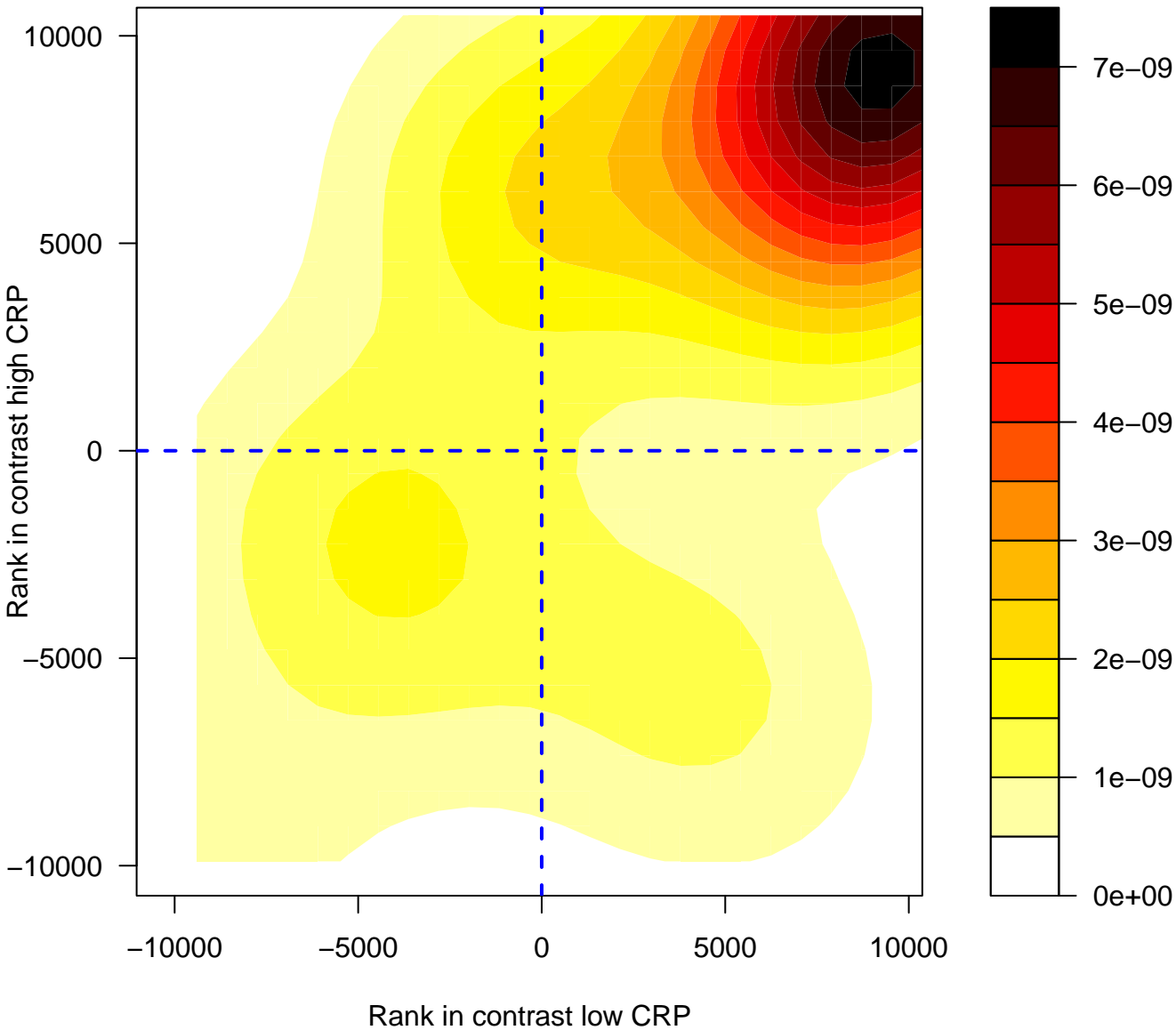




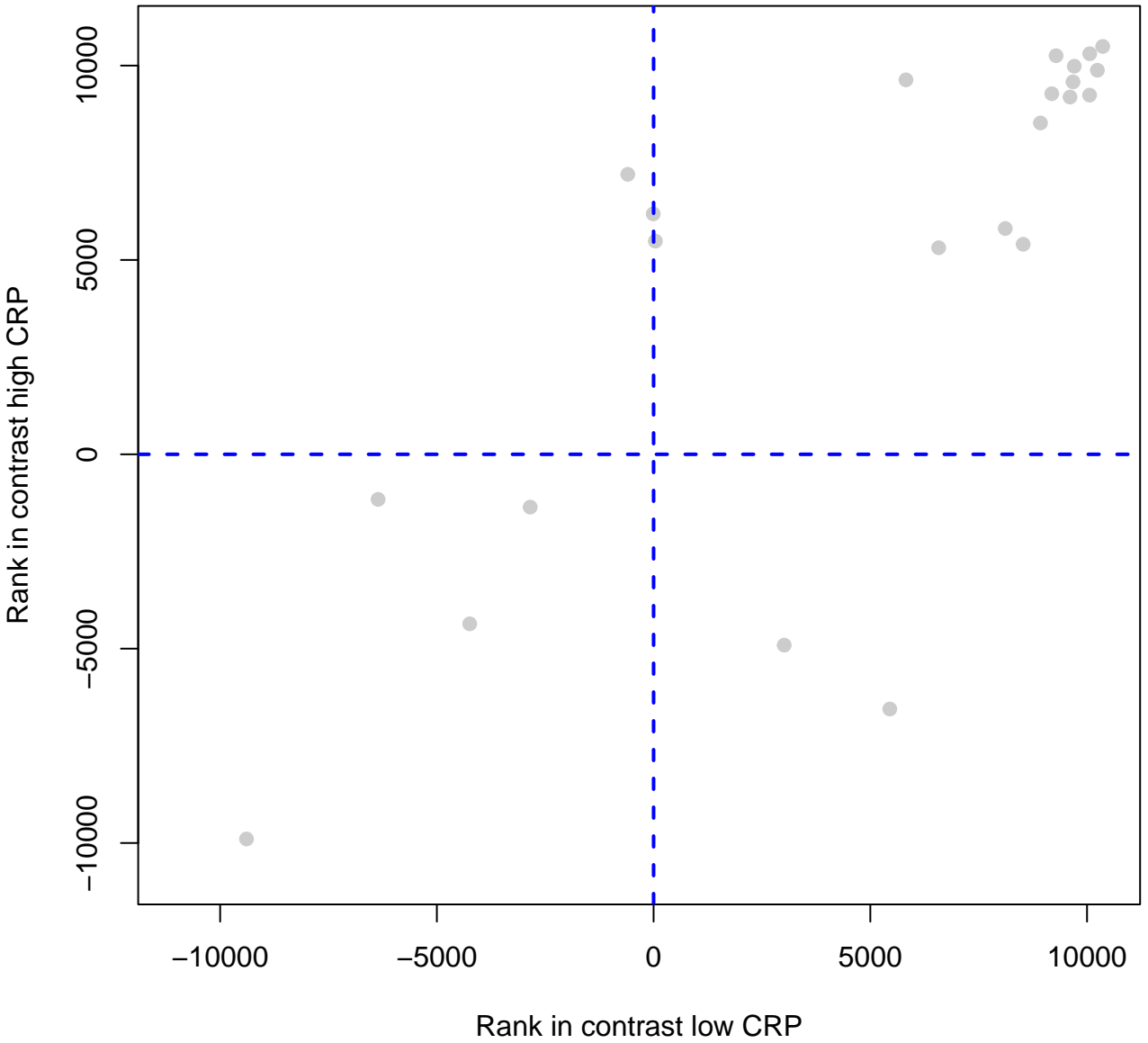
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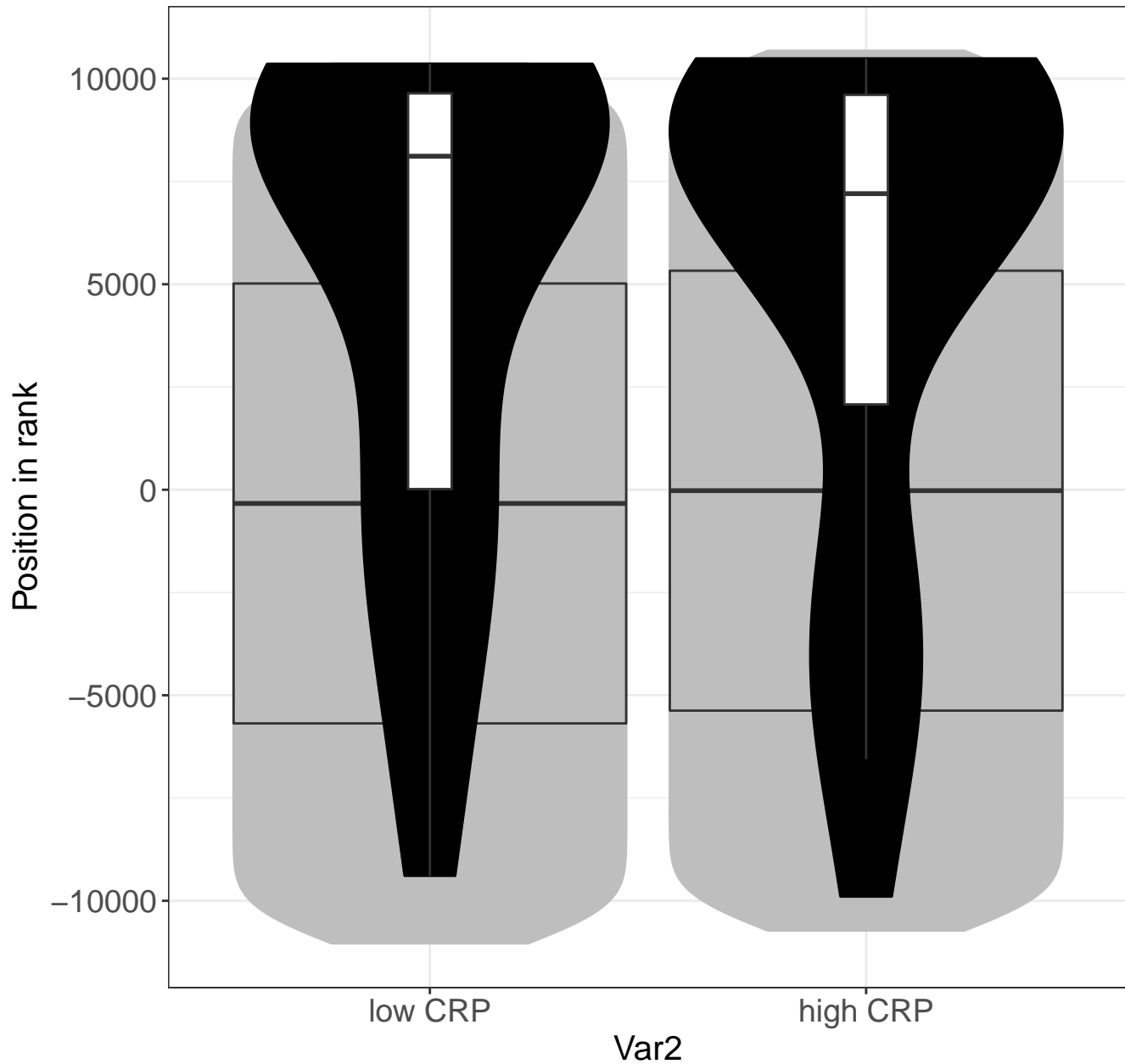
# Diseases of Immune System



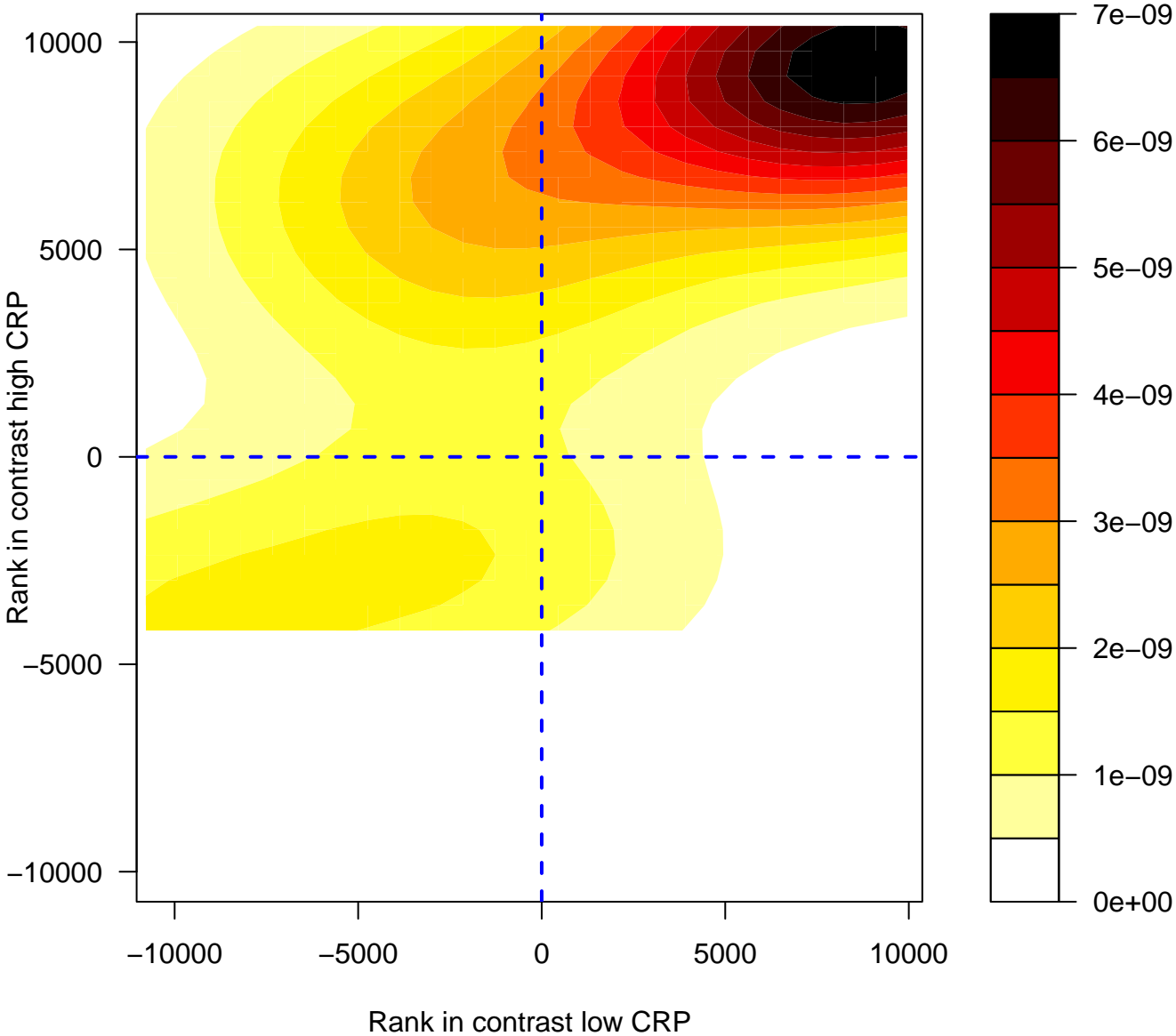
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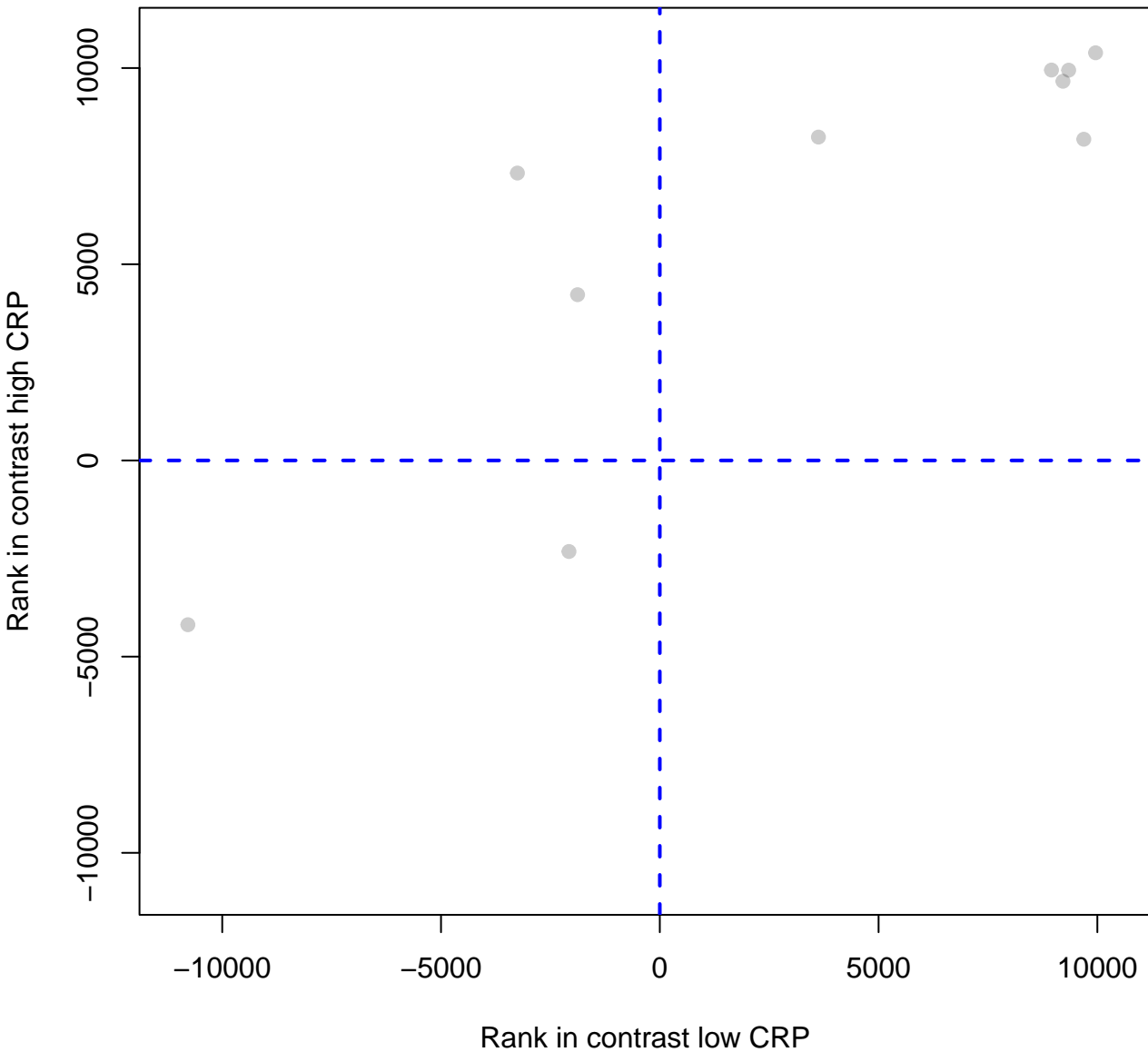
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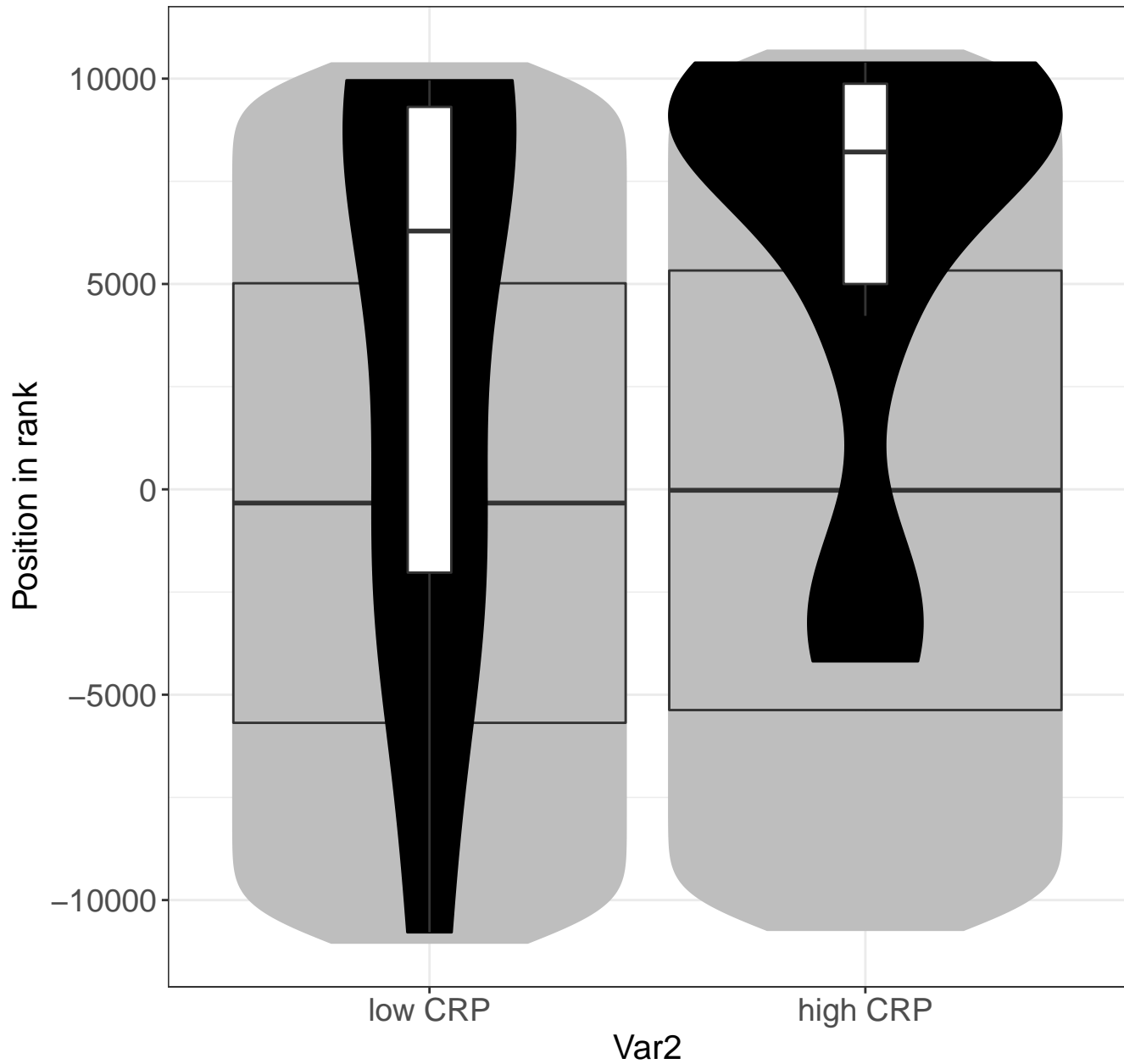
# MET activates RAP1 and RAC1



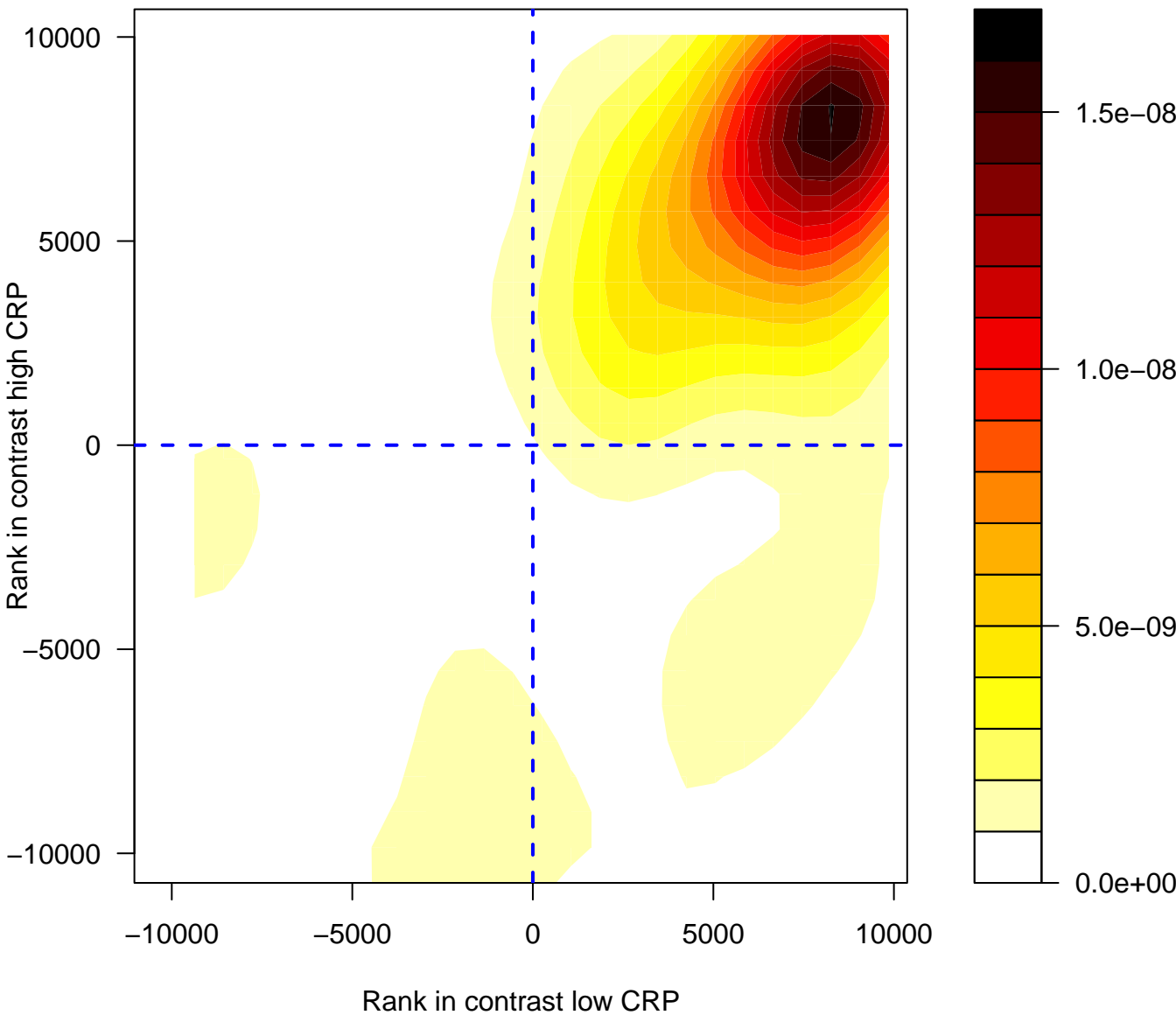
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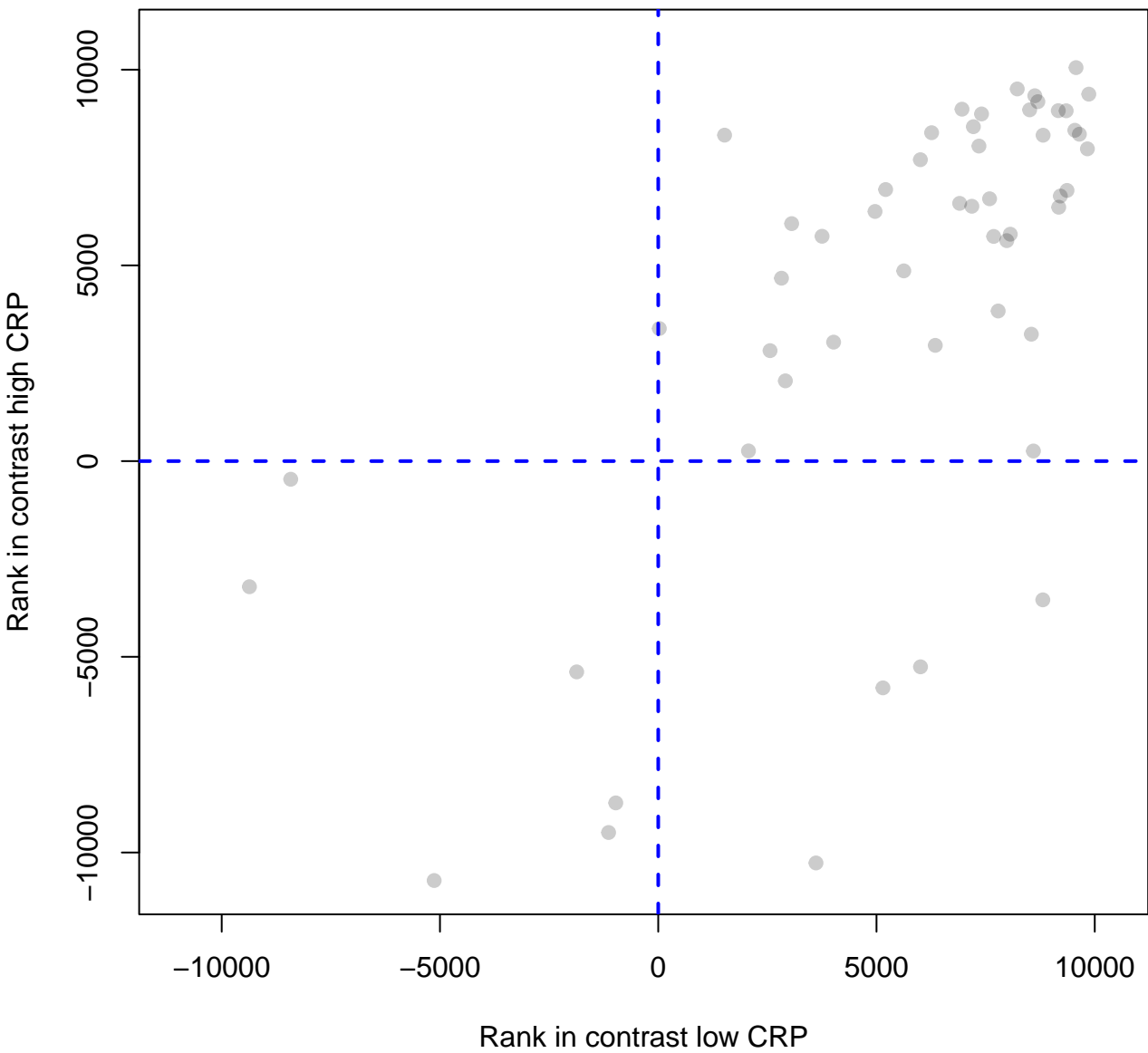


stants that don't undergo autocatalytic processing are degraded

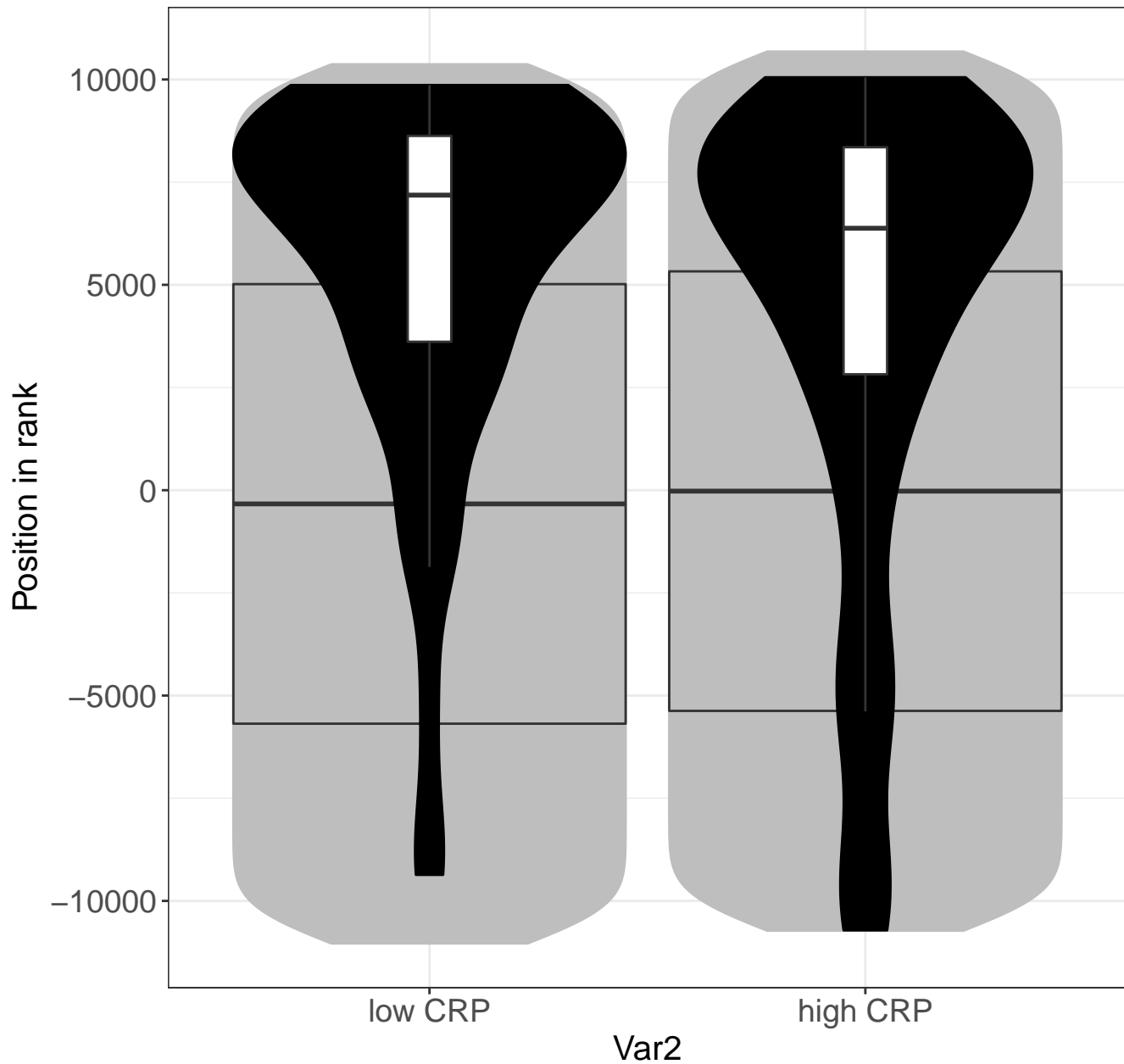




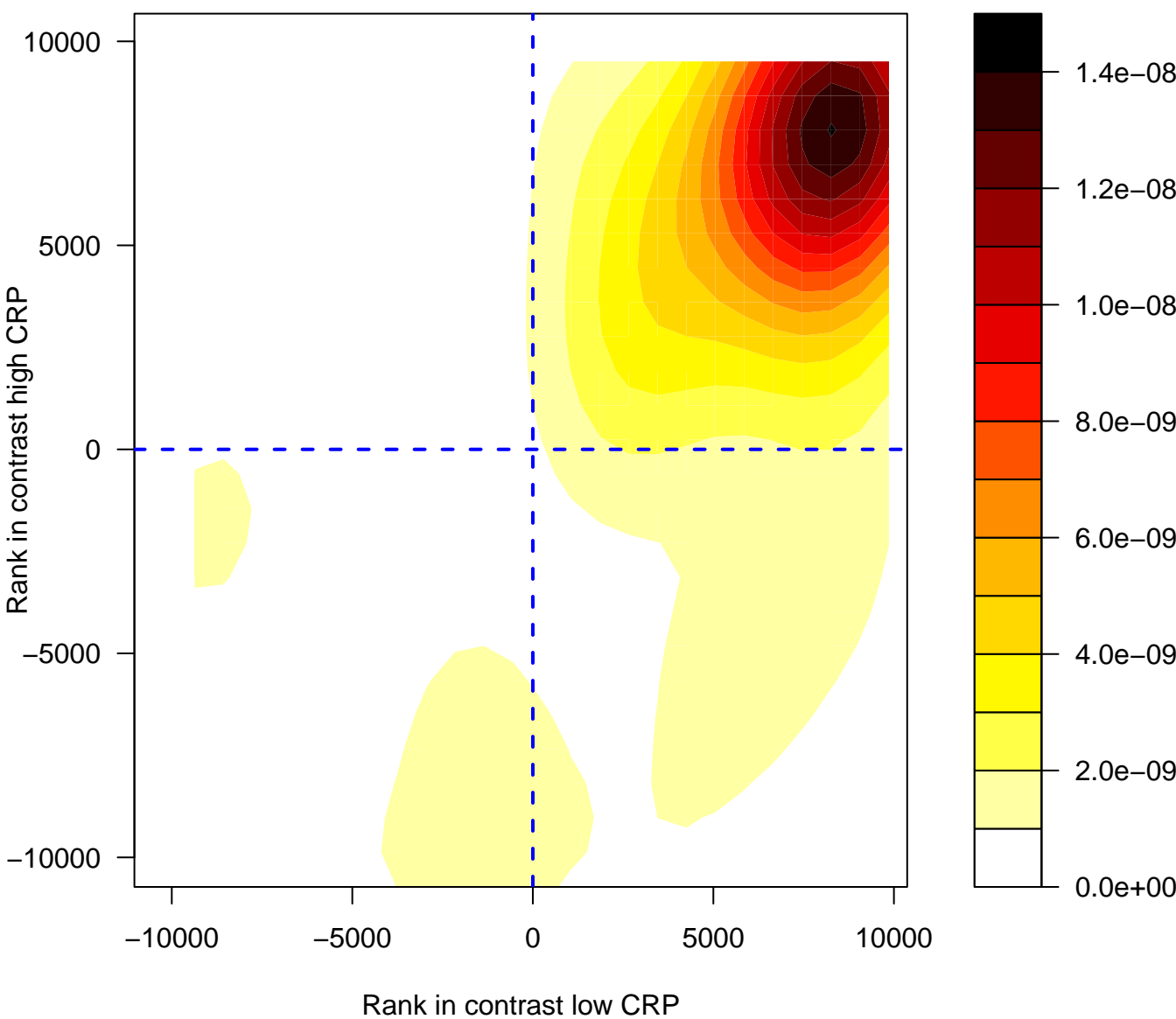
# Hh mutants that don't undergo autocatalytic processing are degraded by ER



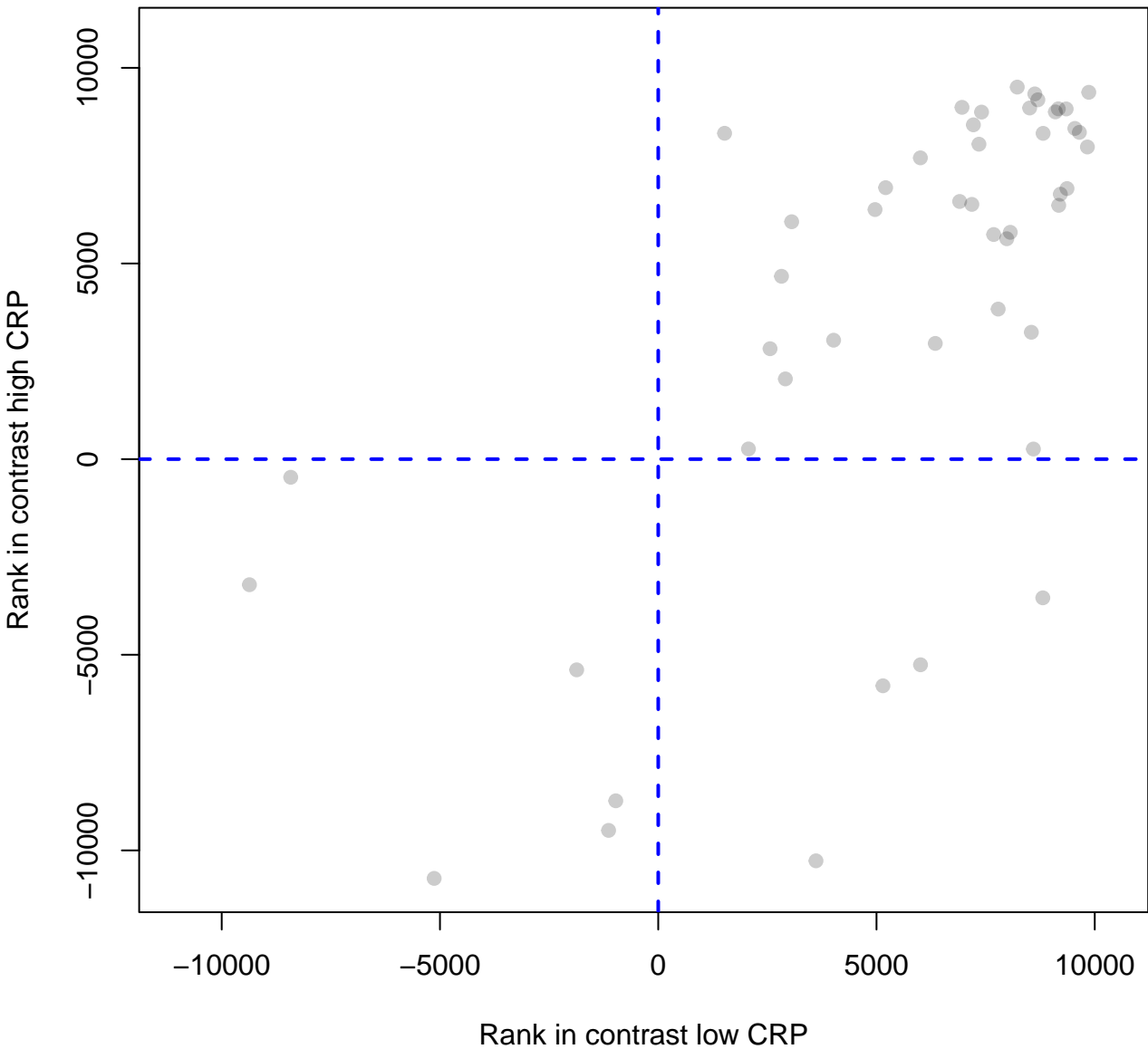
# Hh mutants that don't undergo autocatalytic proc



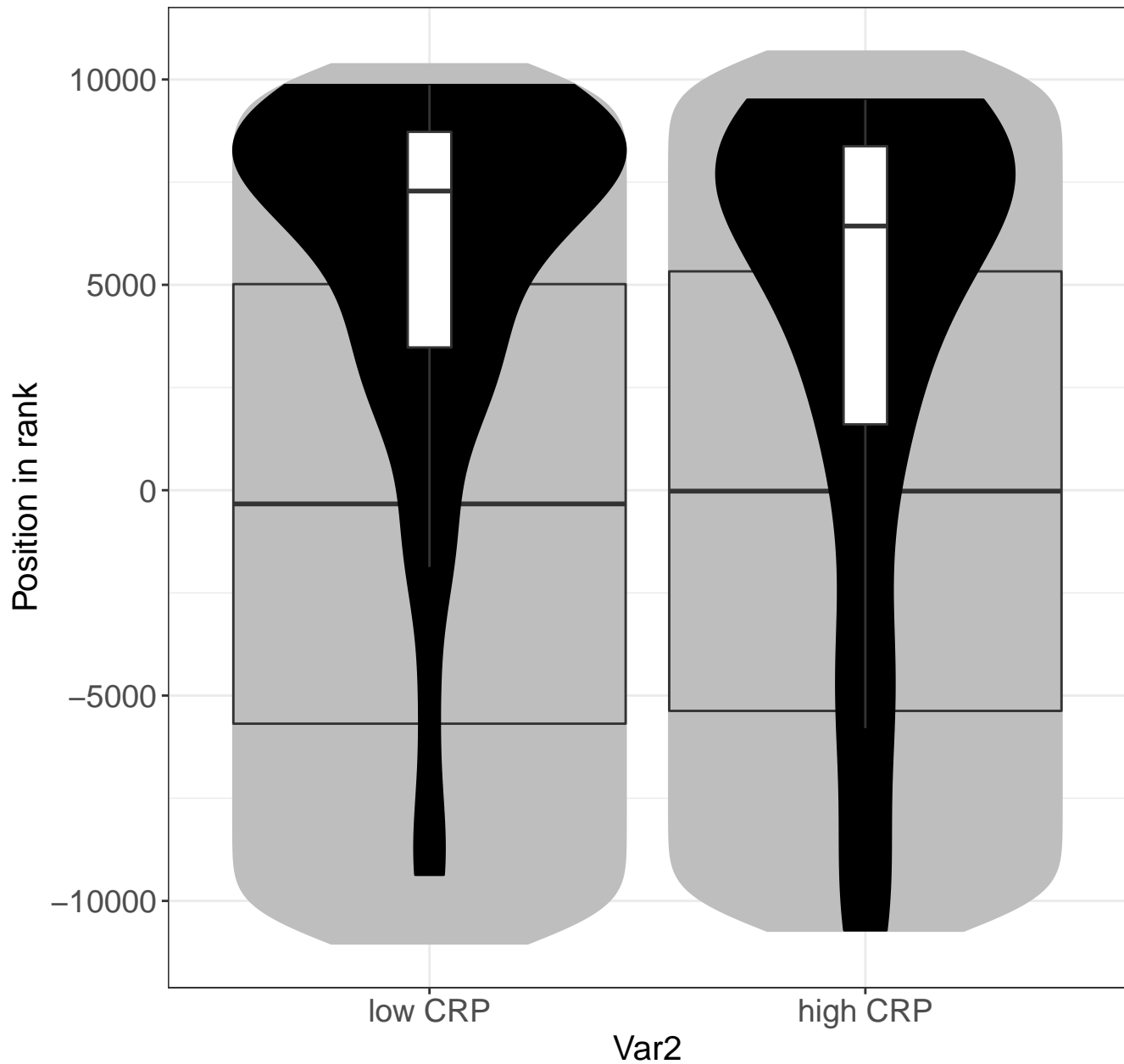
# Regulation of activated PAK-2p34 by proteasome mediated deg



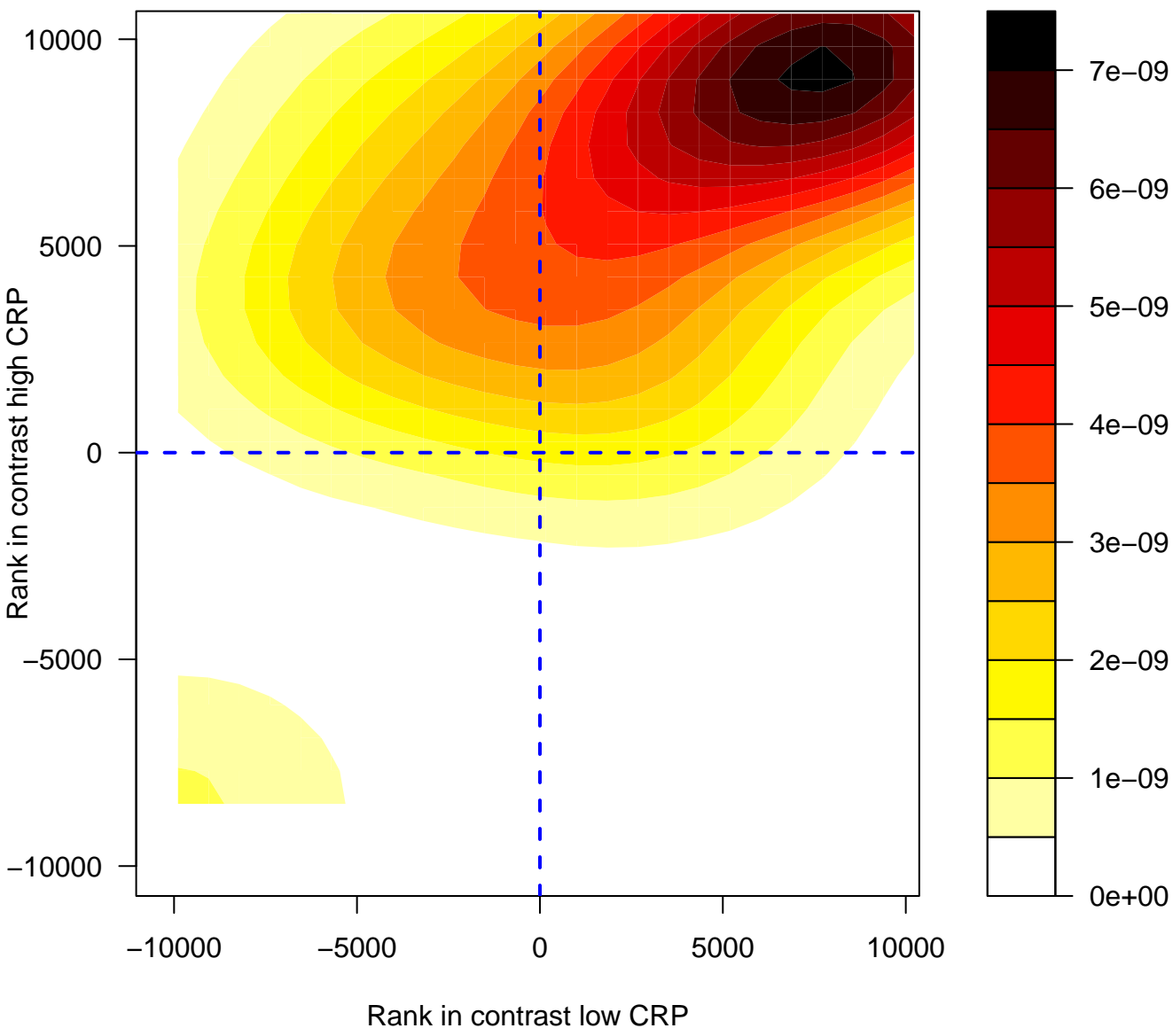
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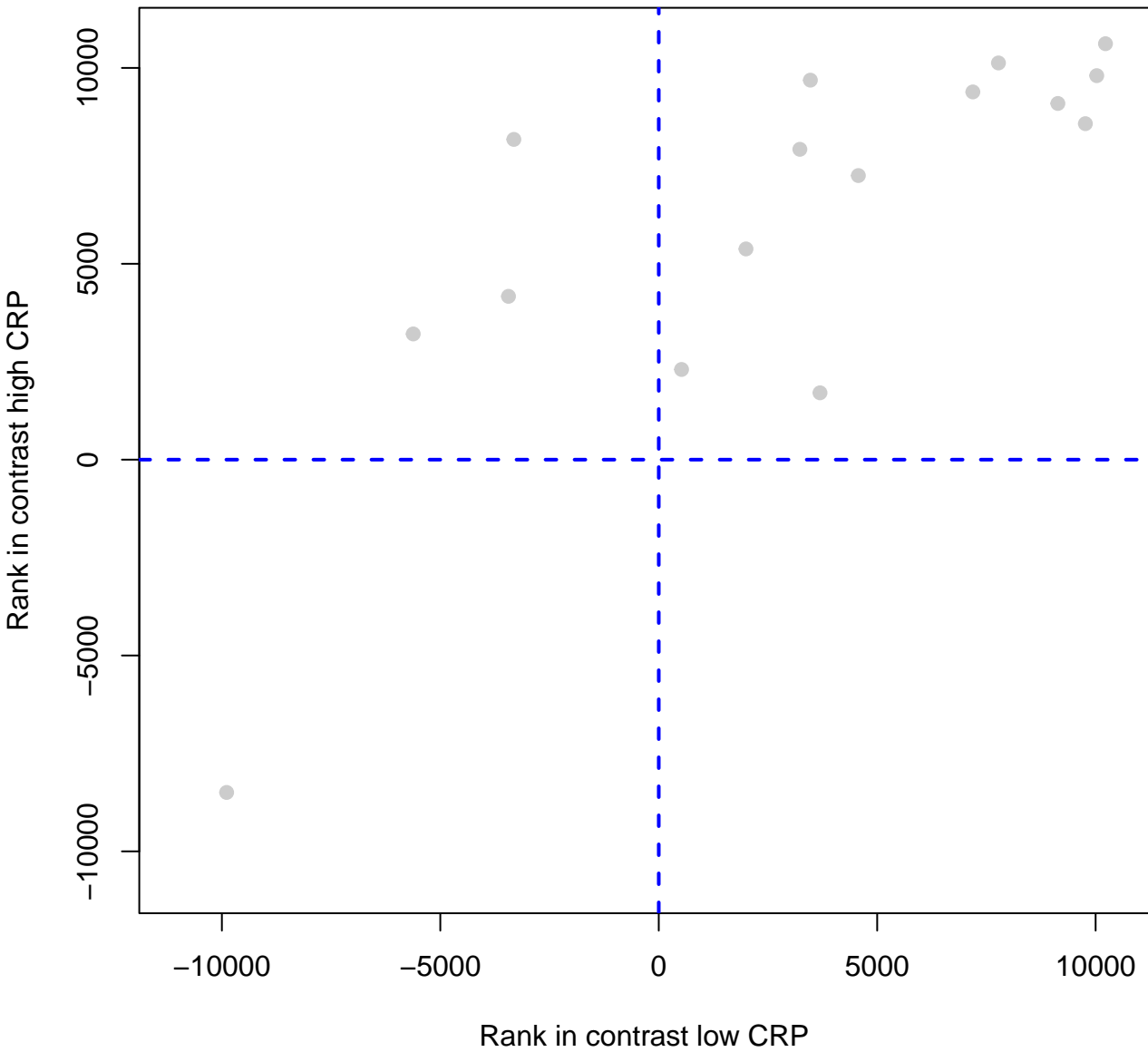
# Regulation of activated PAK-2p34 by proteasom



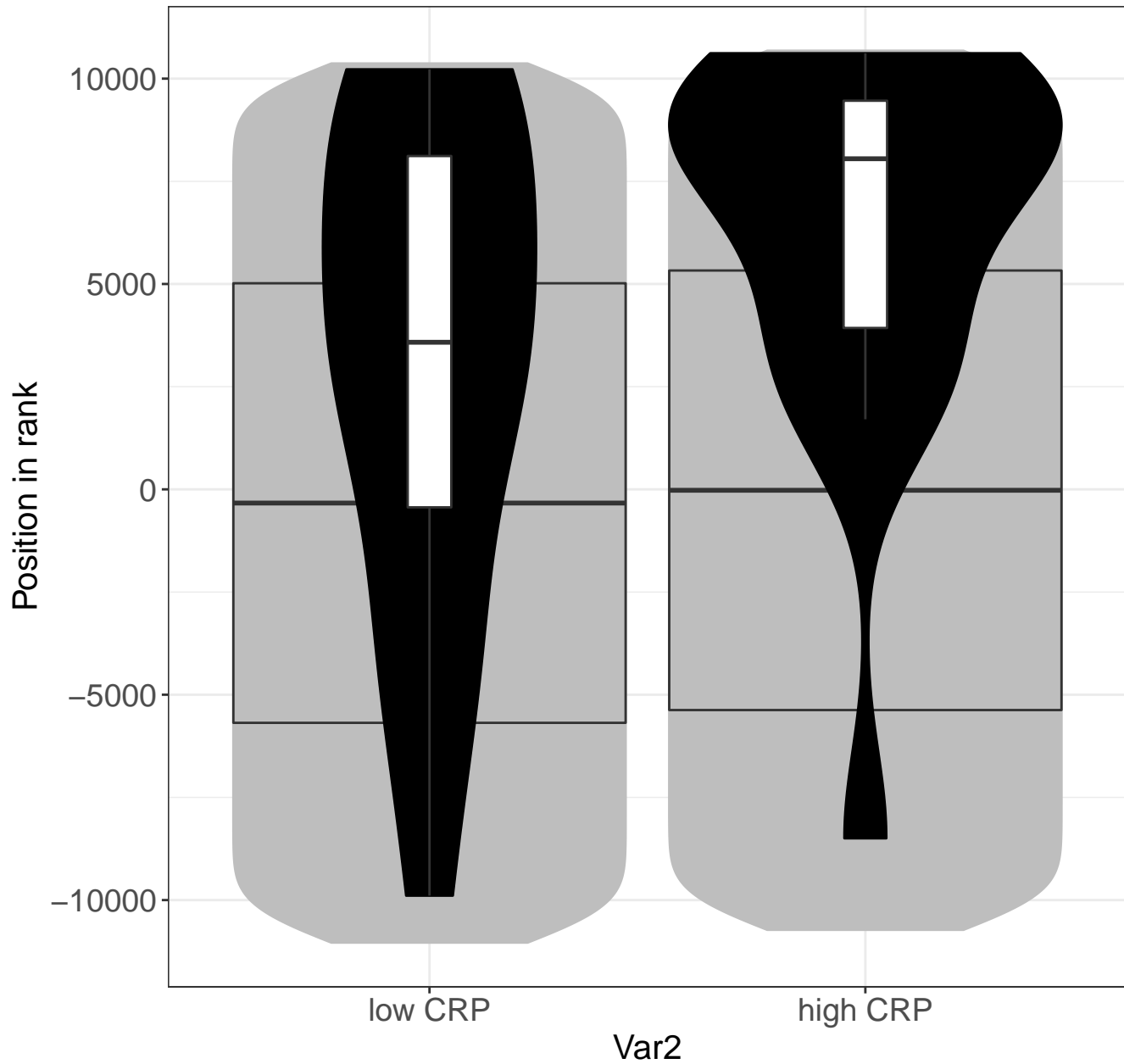
# Platelet sensitization by LDL



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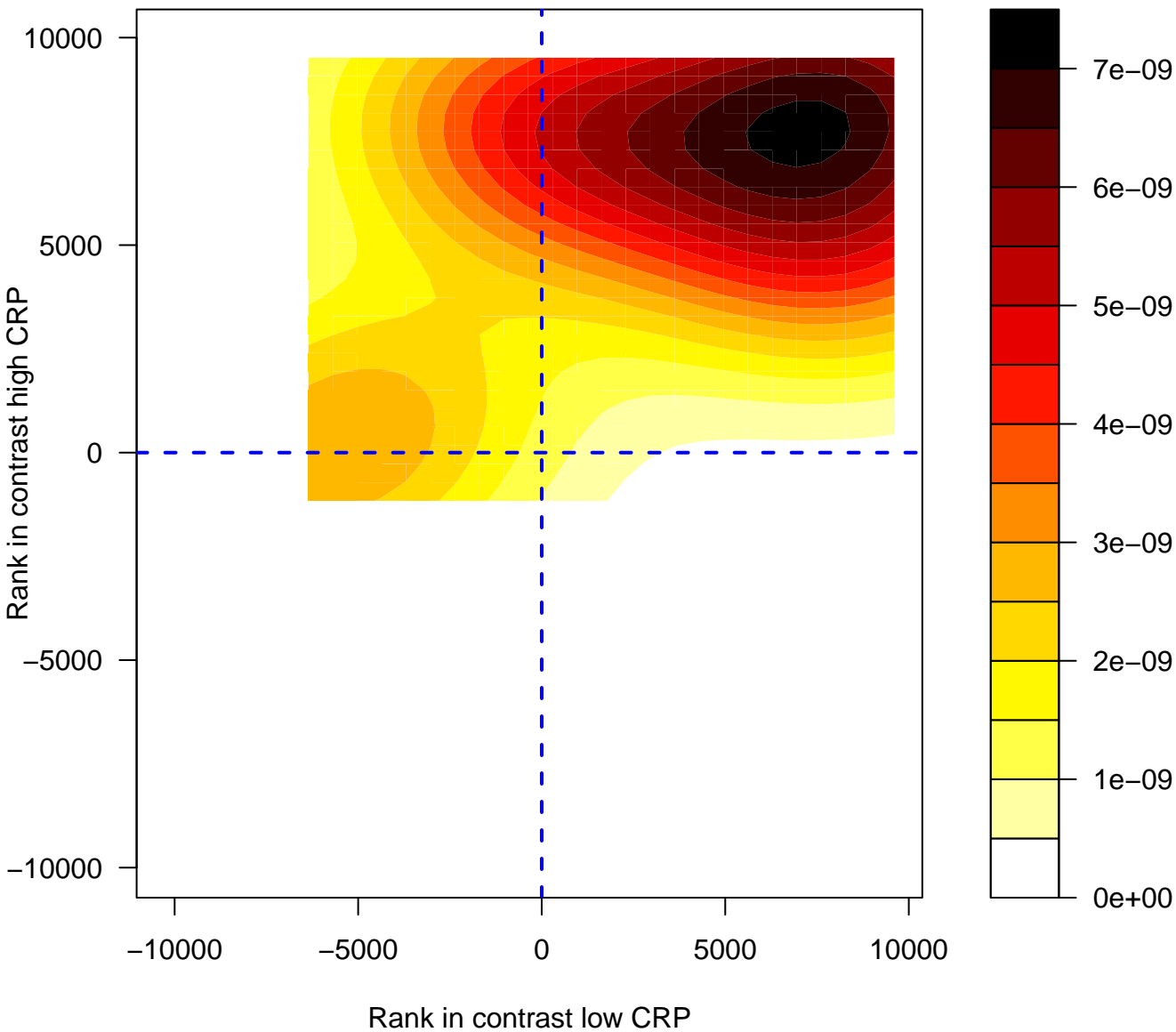


# Platelet sensitization by LDL

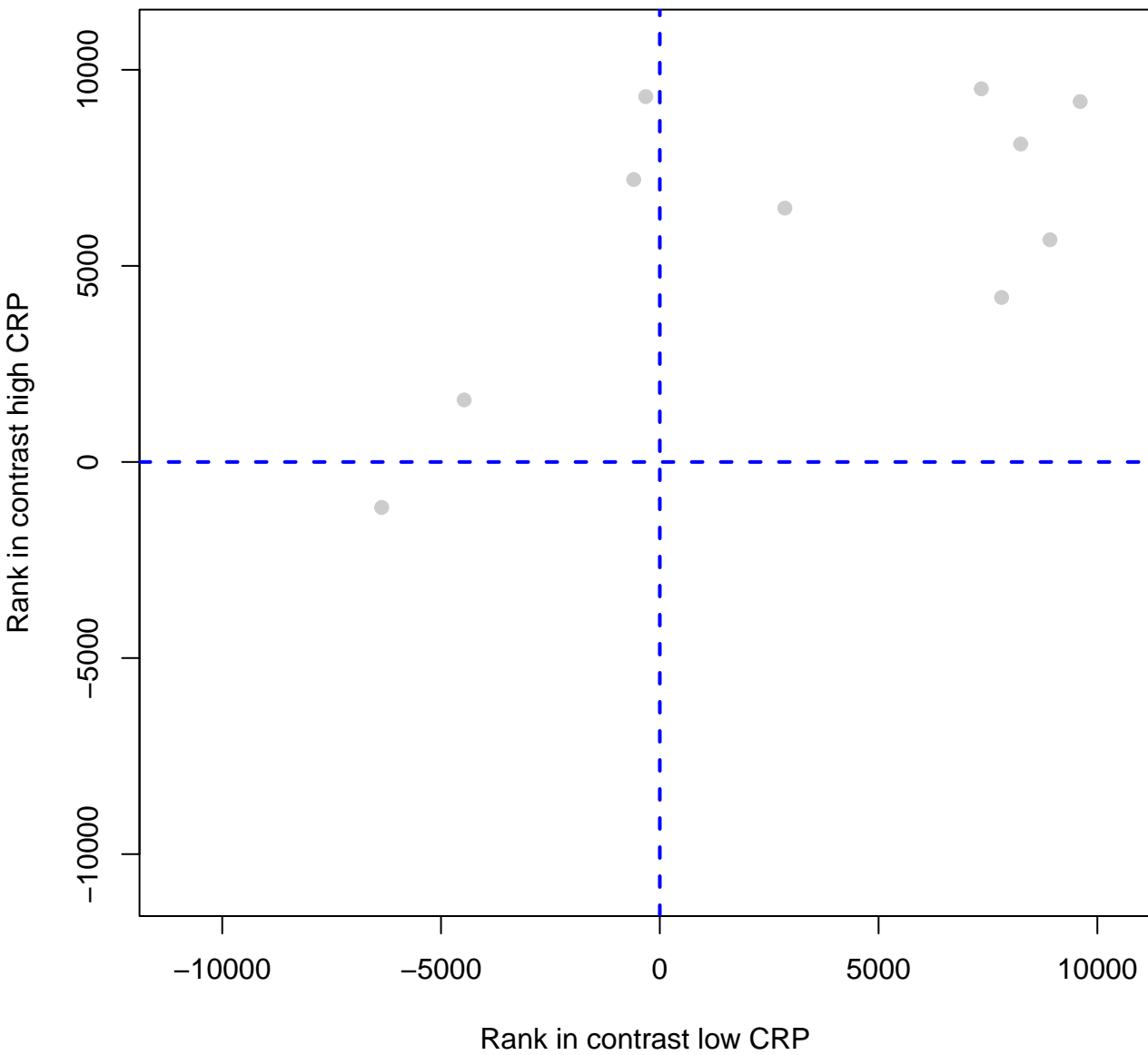




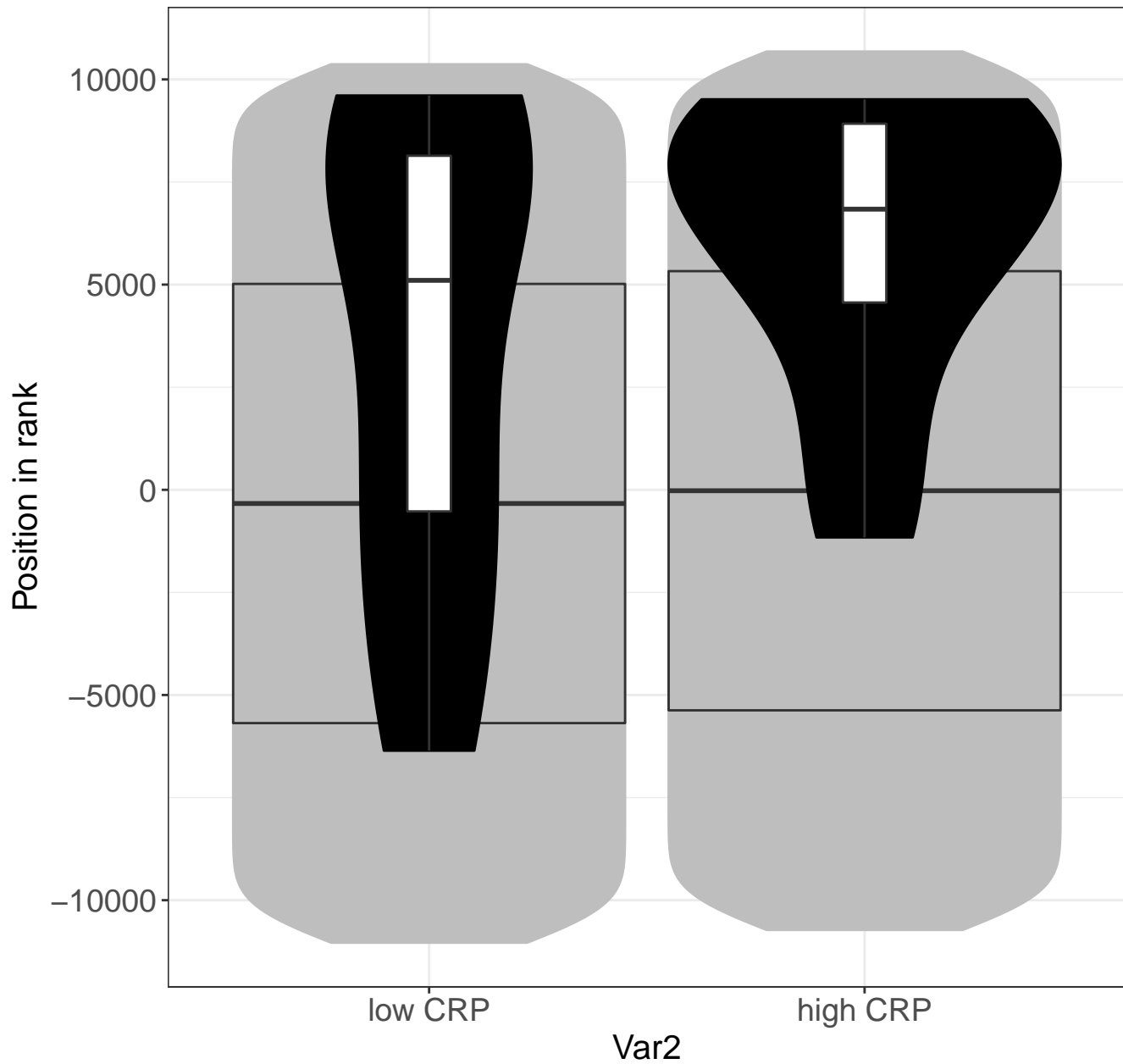
# IRAK1 recruits IKK complex



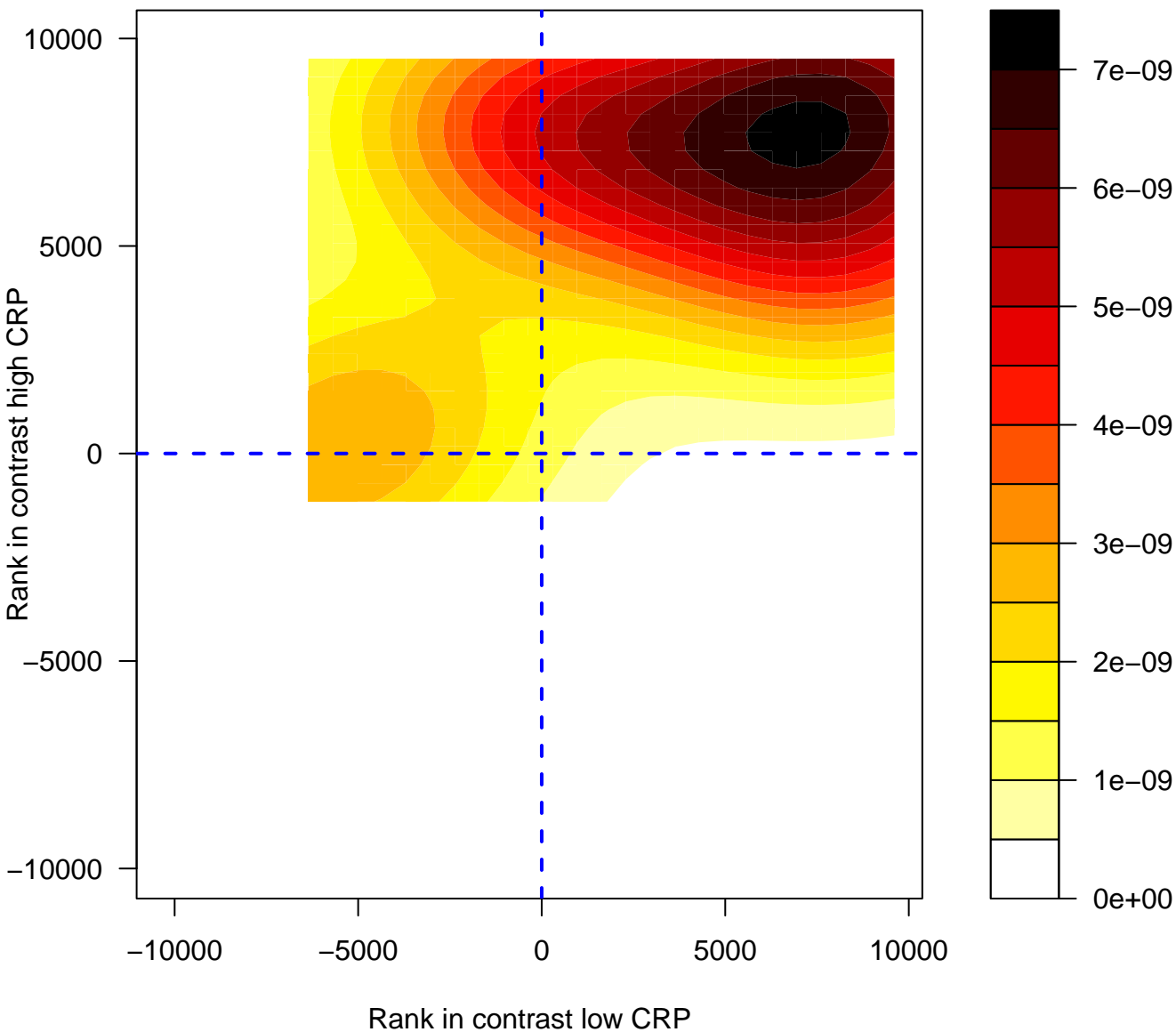
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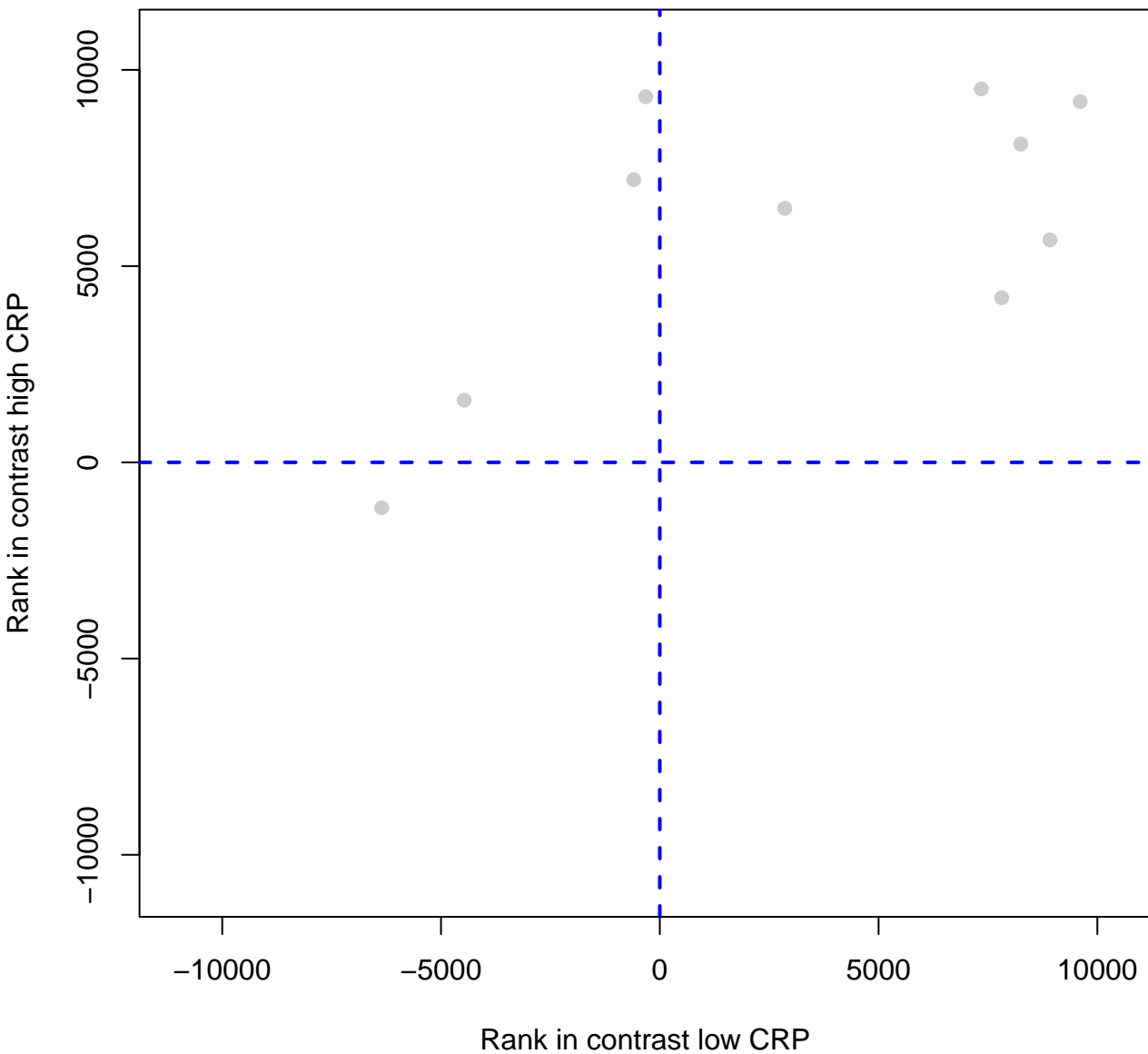
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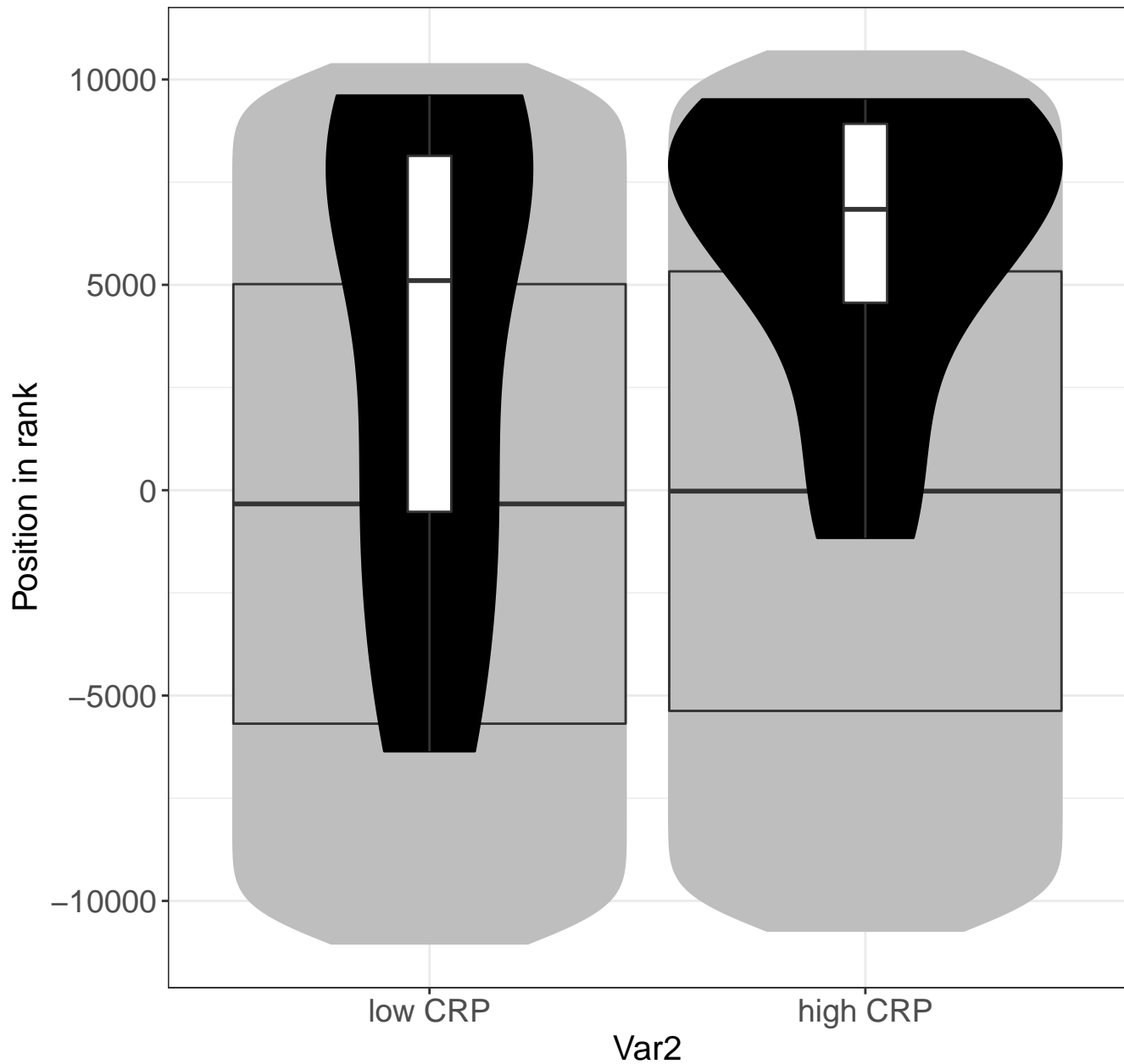
# IRAK1 recruits IKK complex upon TLR7/8 or 9 stimulatc



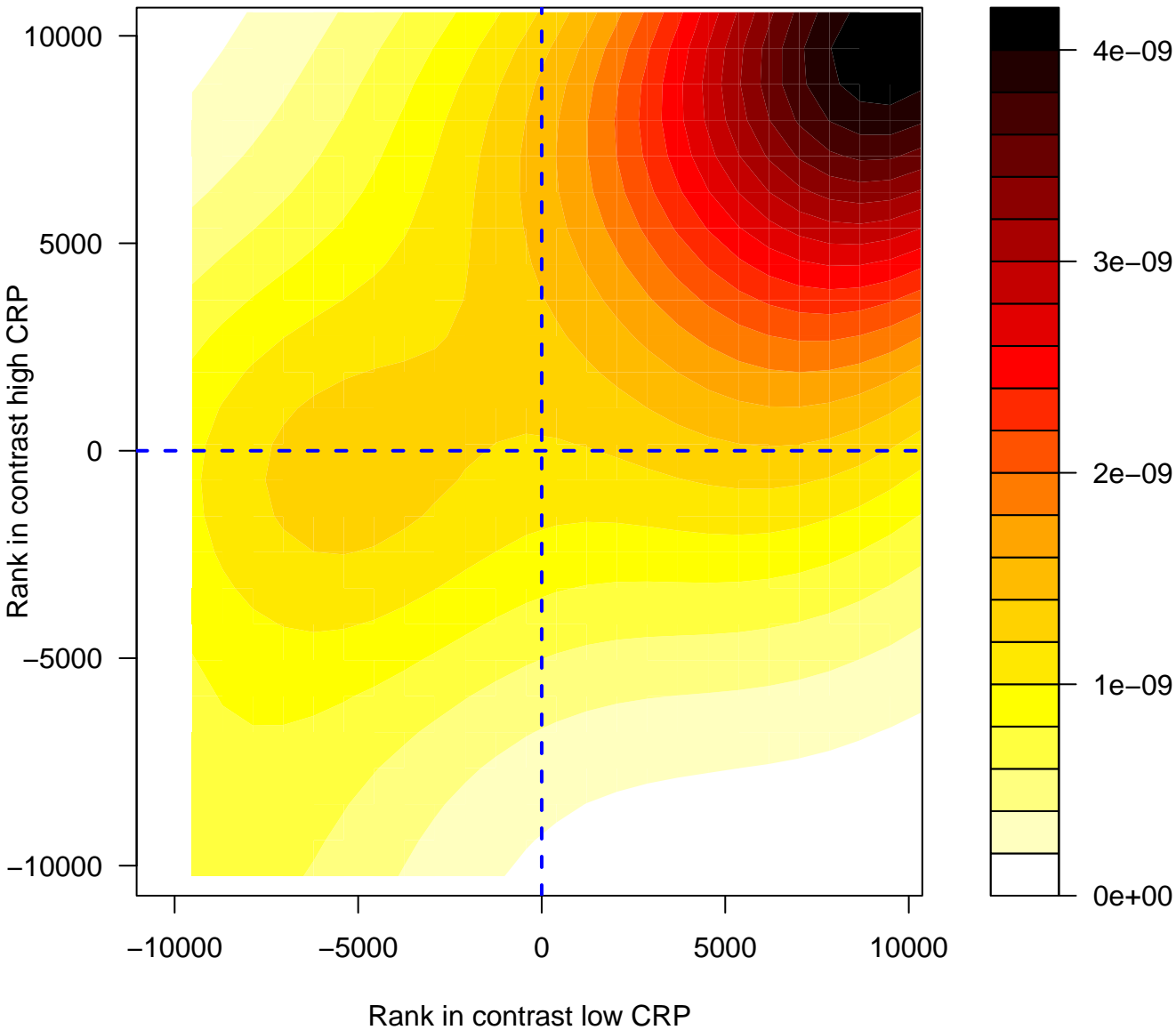
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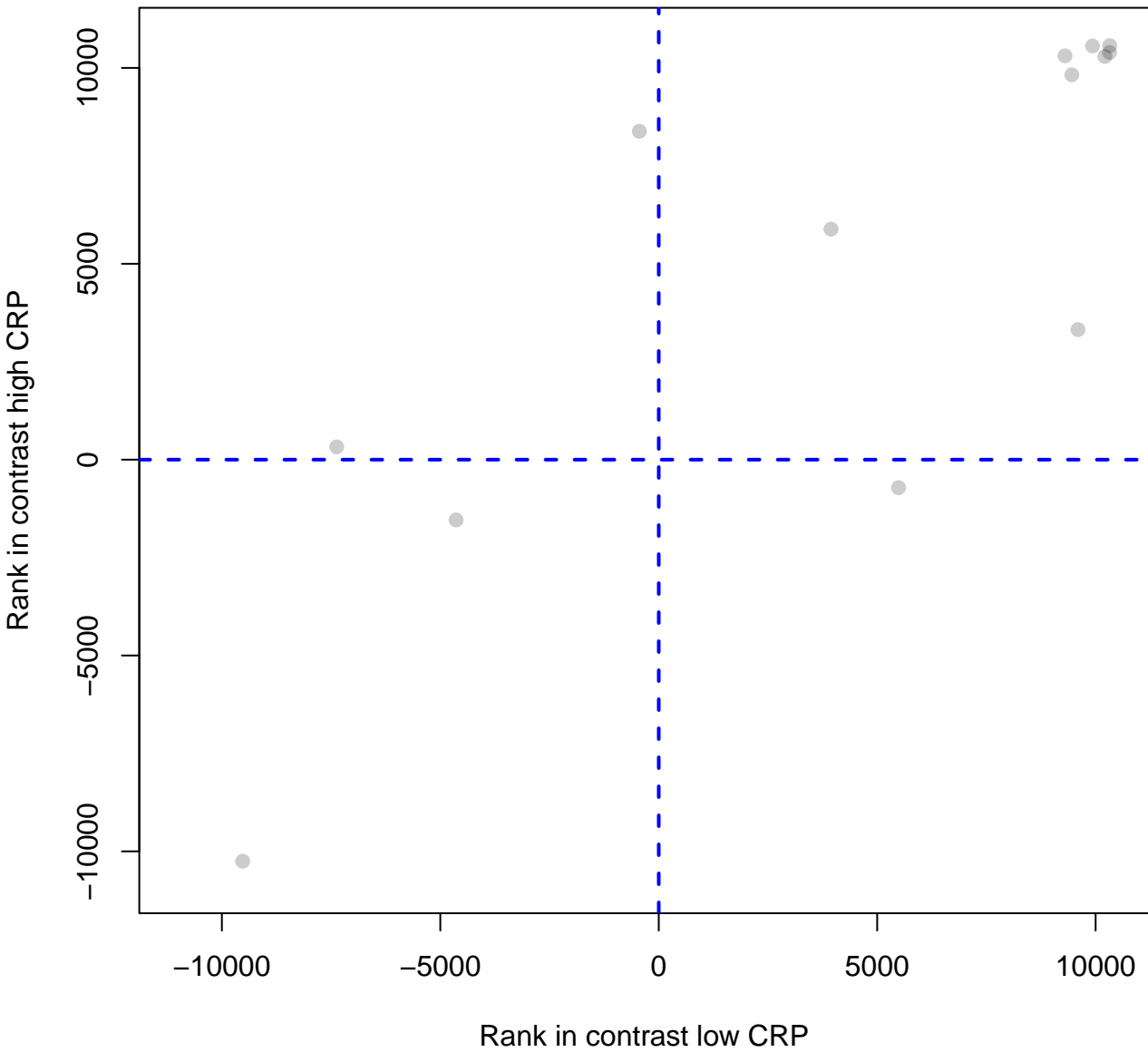
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# Pentose phosphate pathway

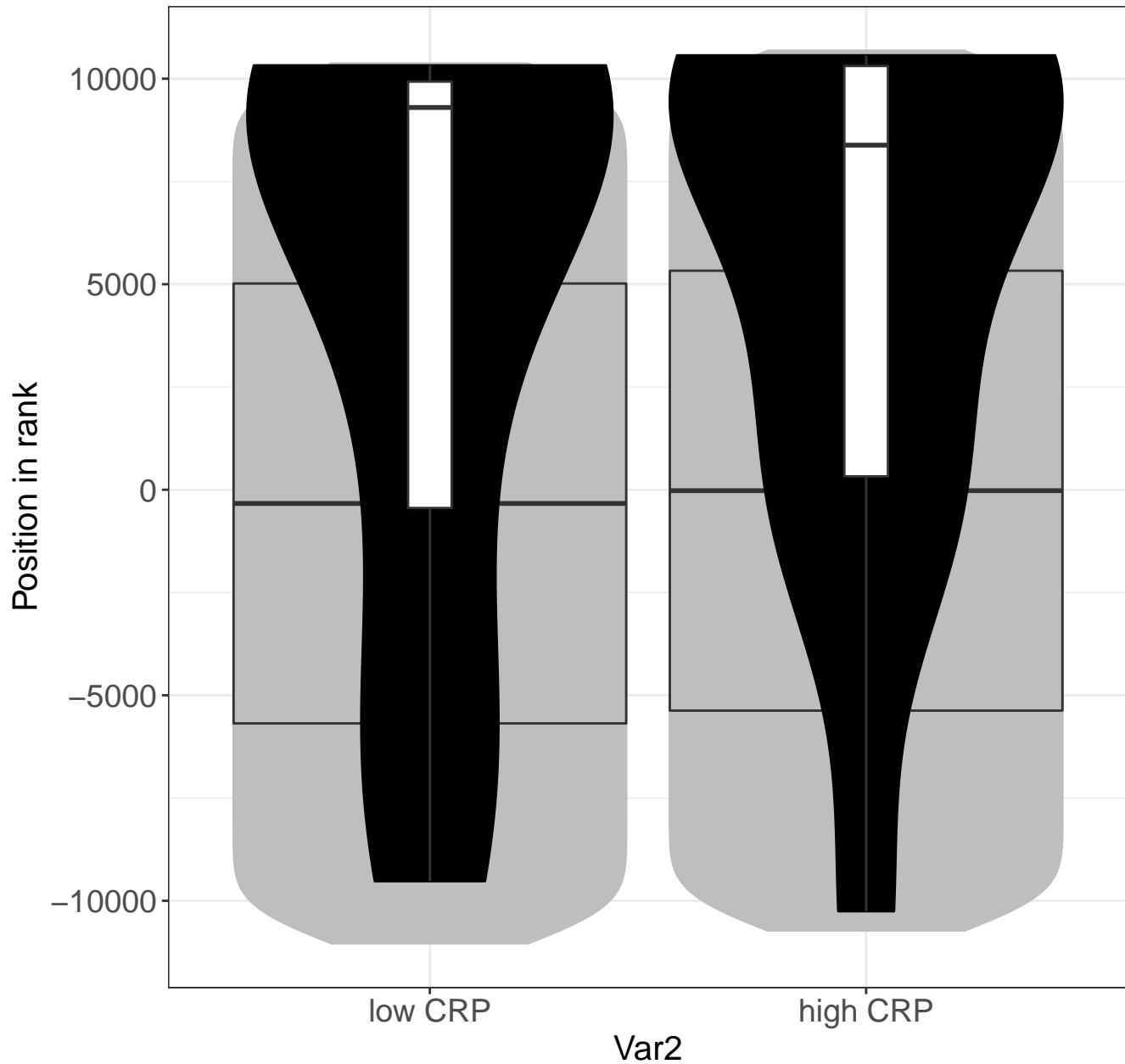


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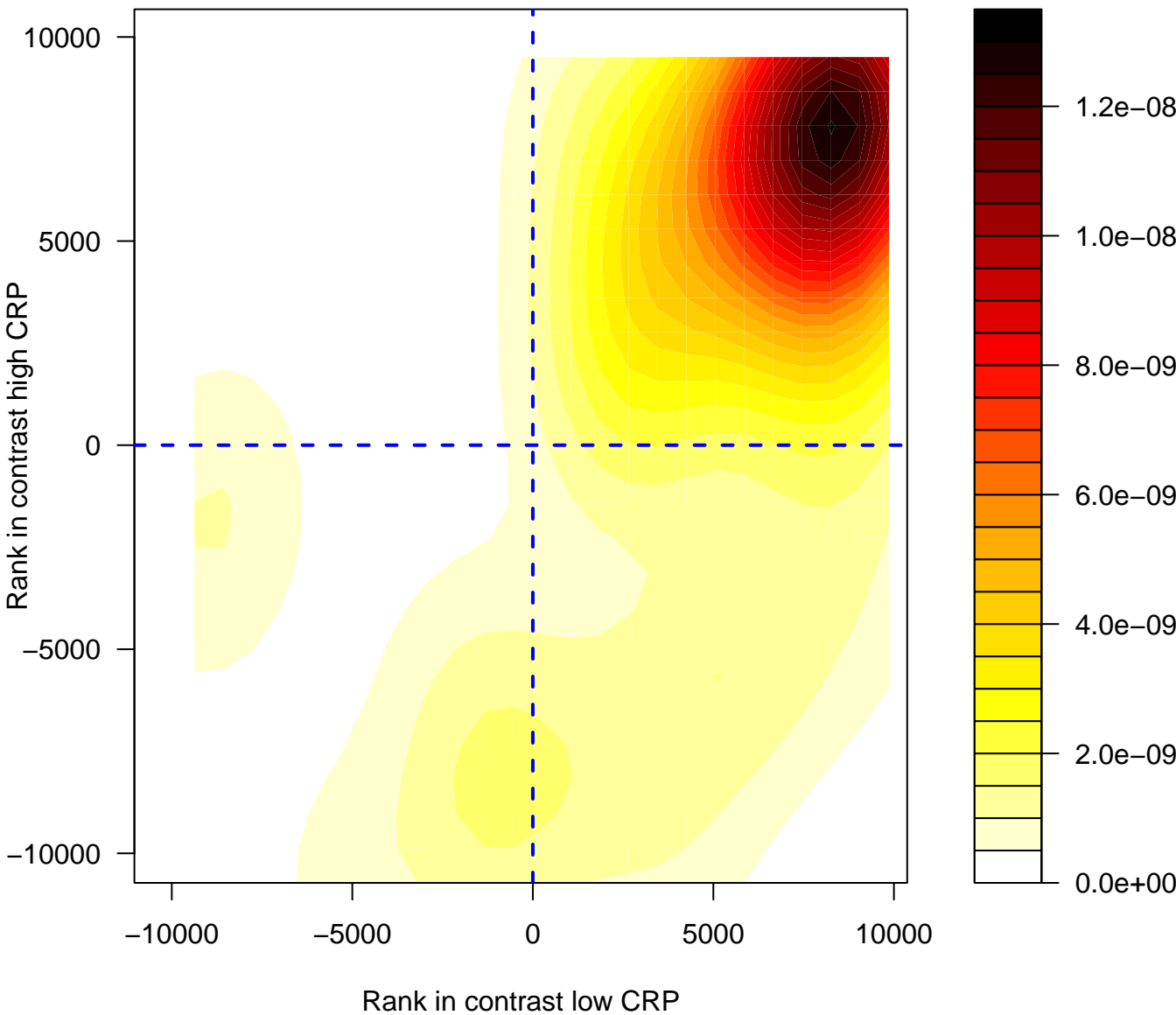




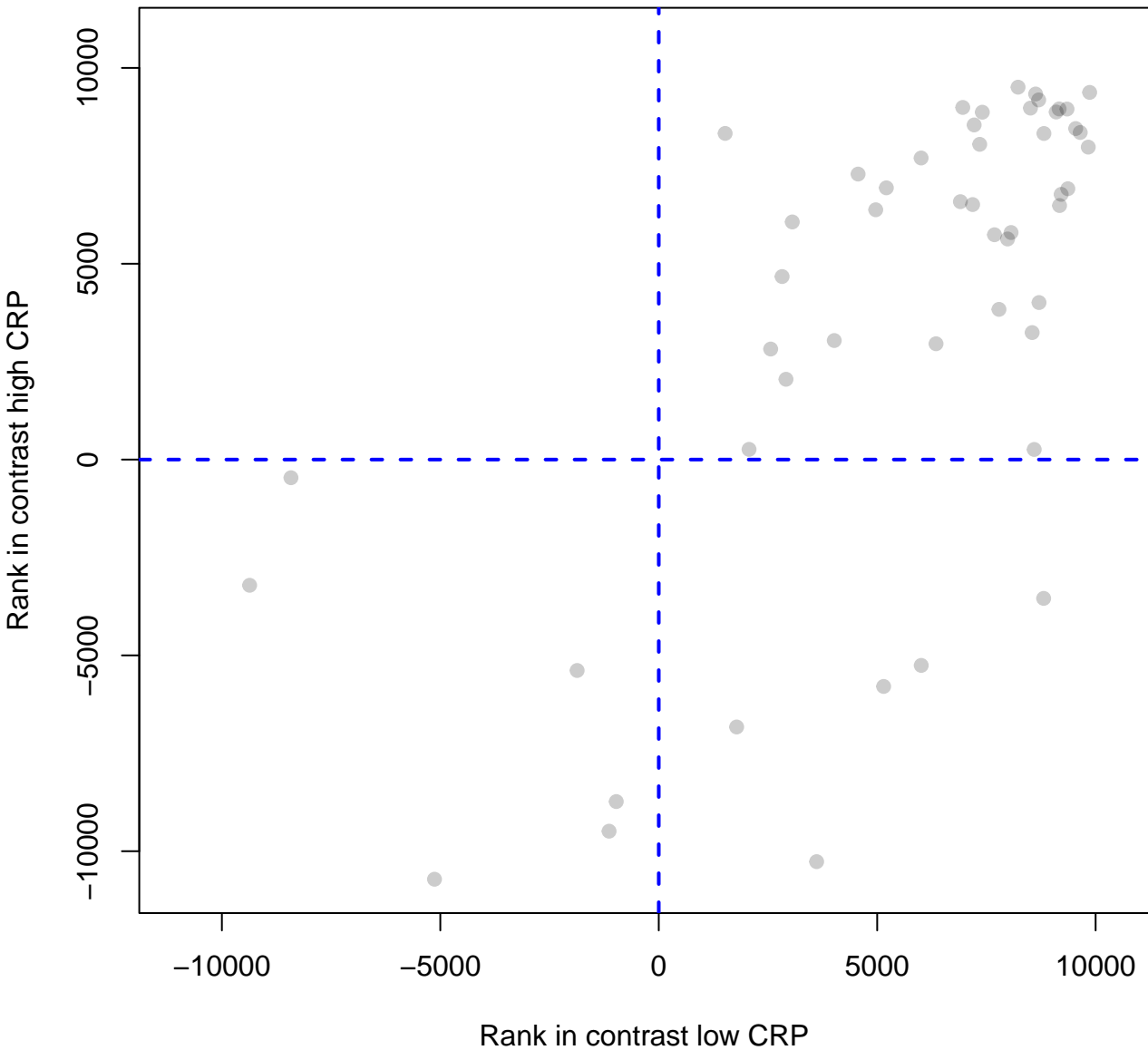
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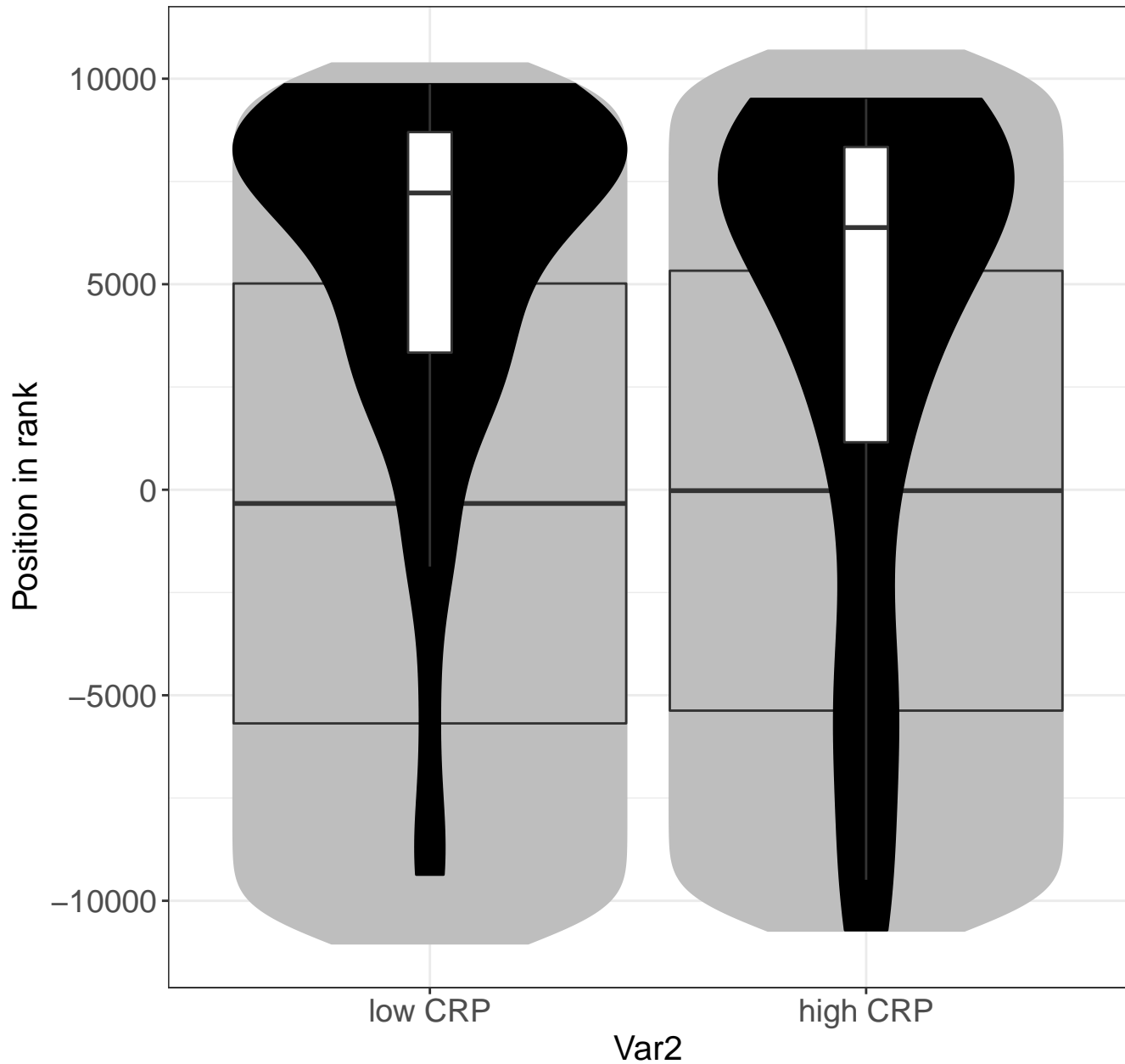
# Regulation of Apoptosis



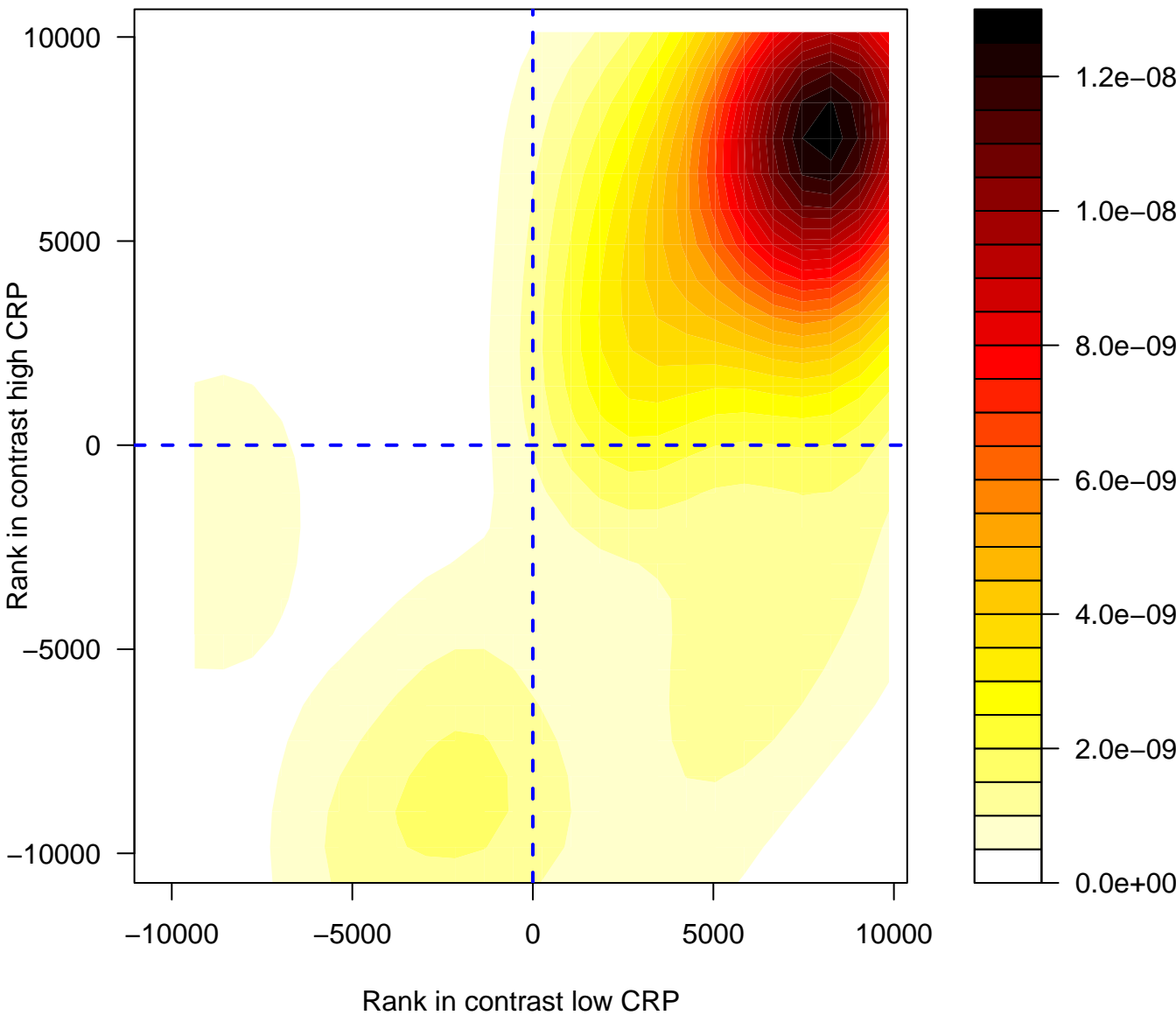
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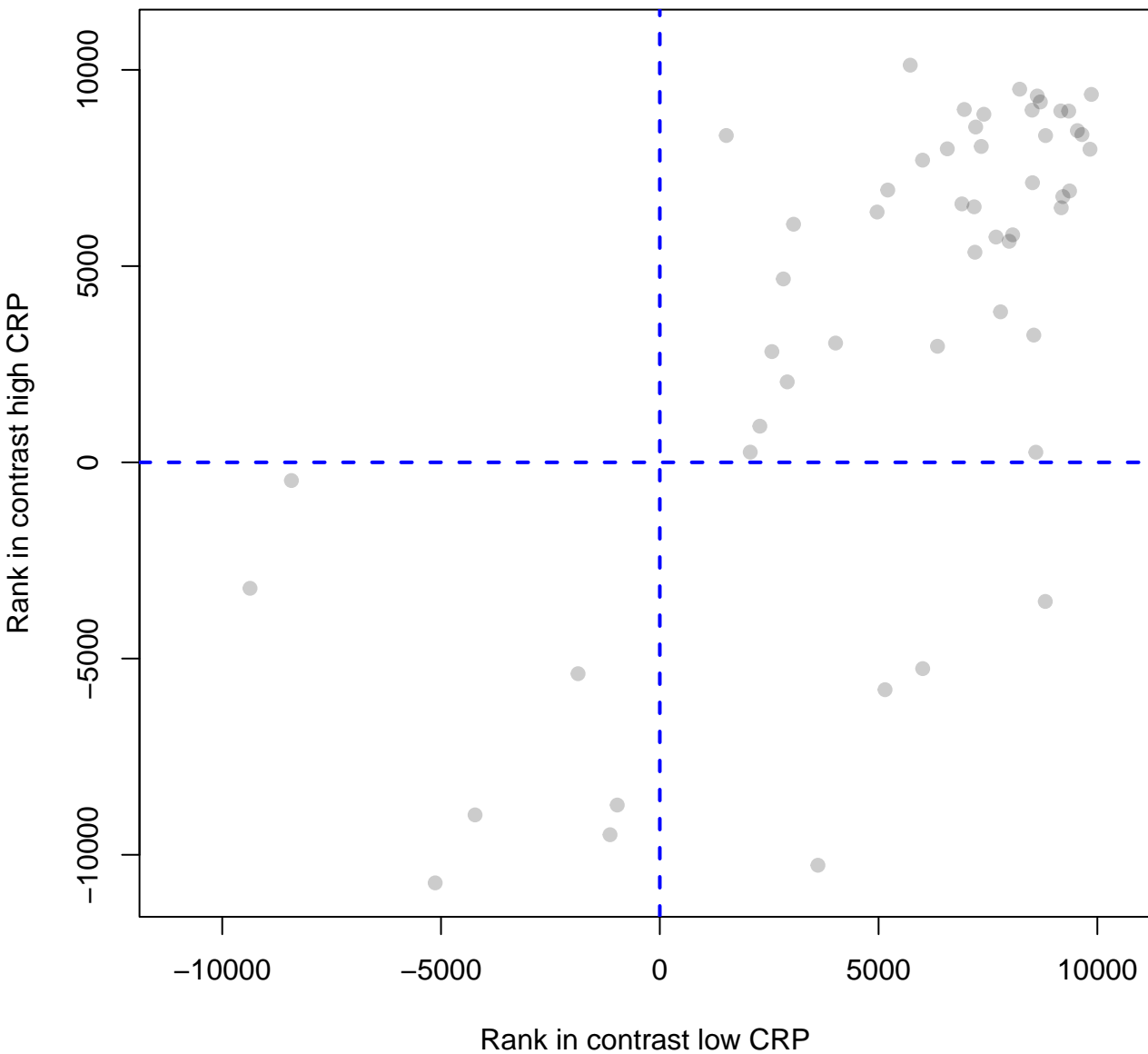
# Regulation of Apoptosis



# AUF1 (hnRNP D0) binds and destabilizes mRNA



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