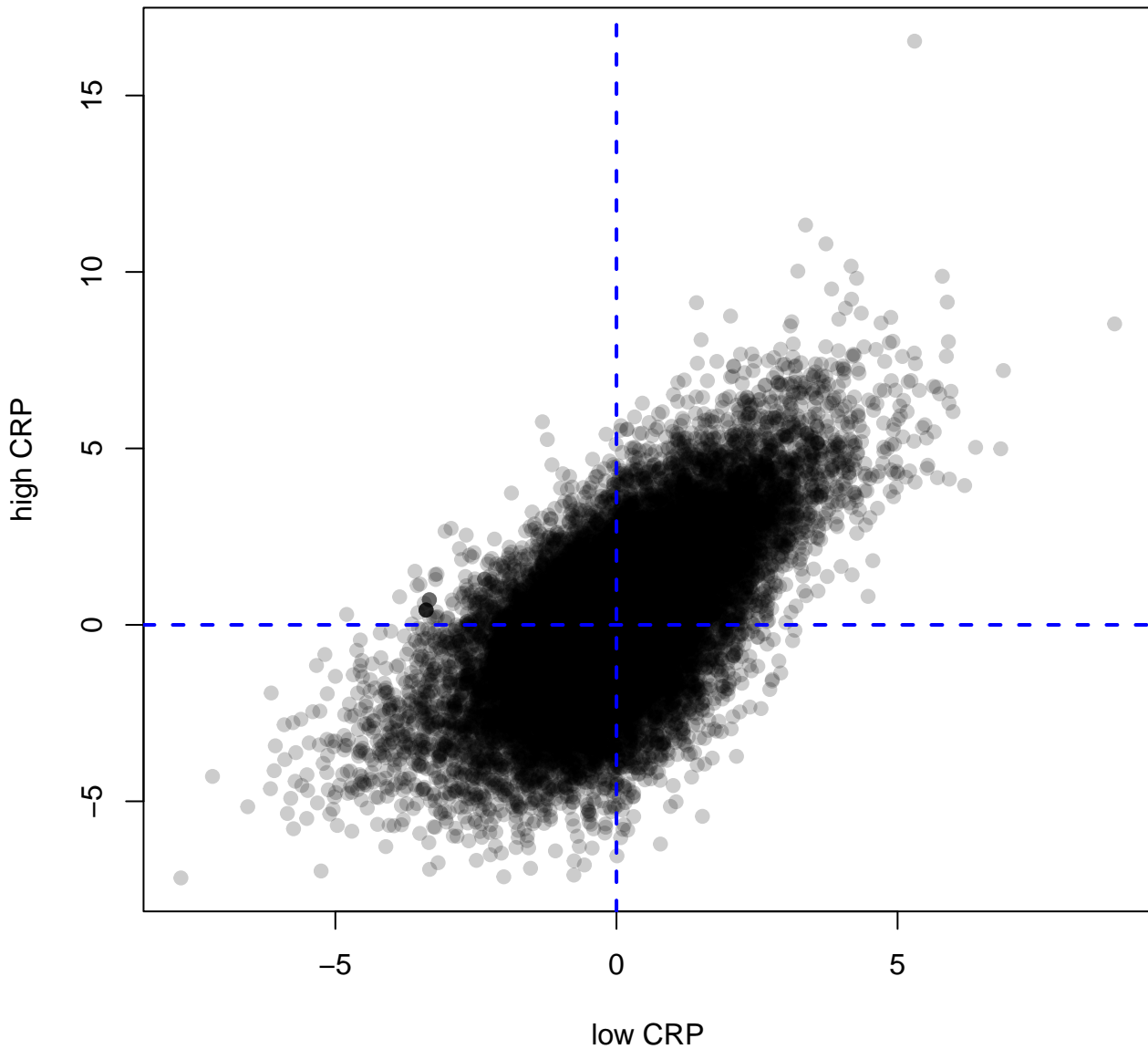
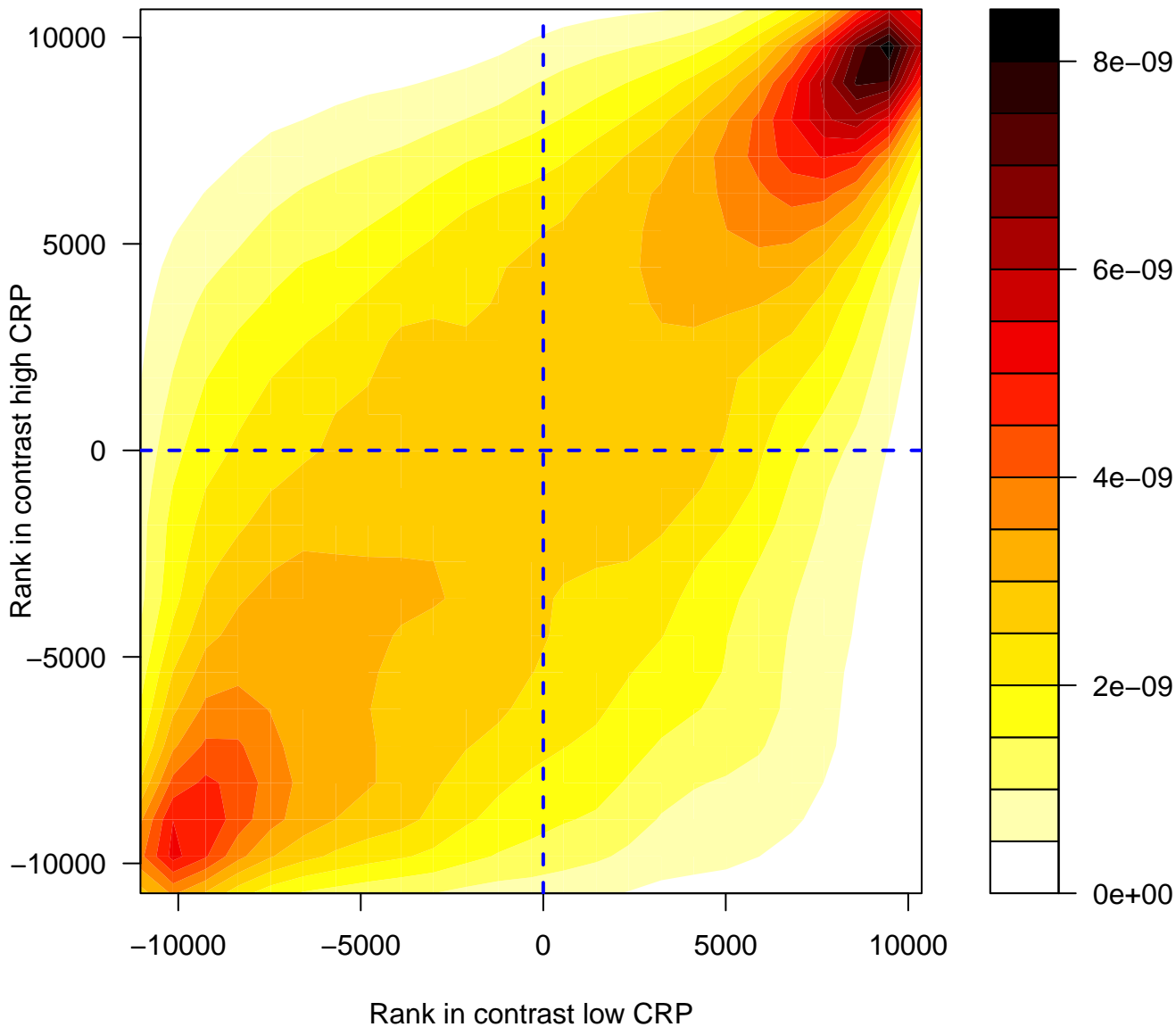


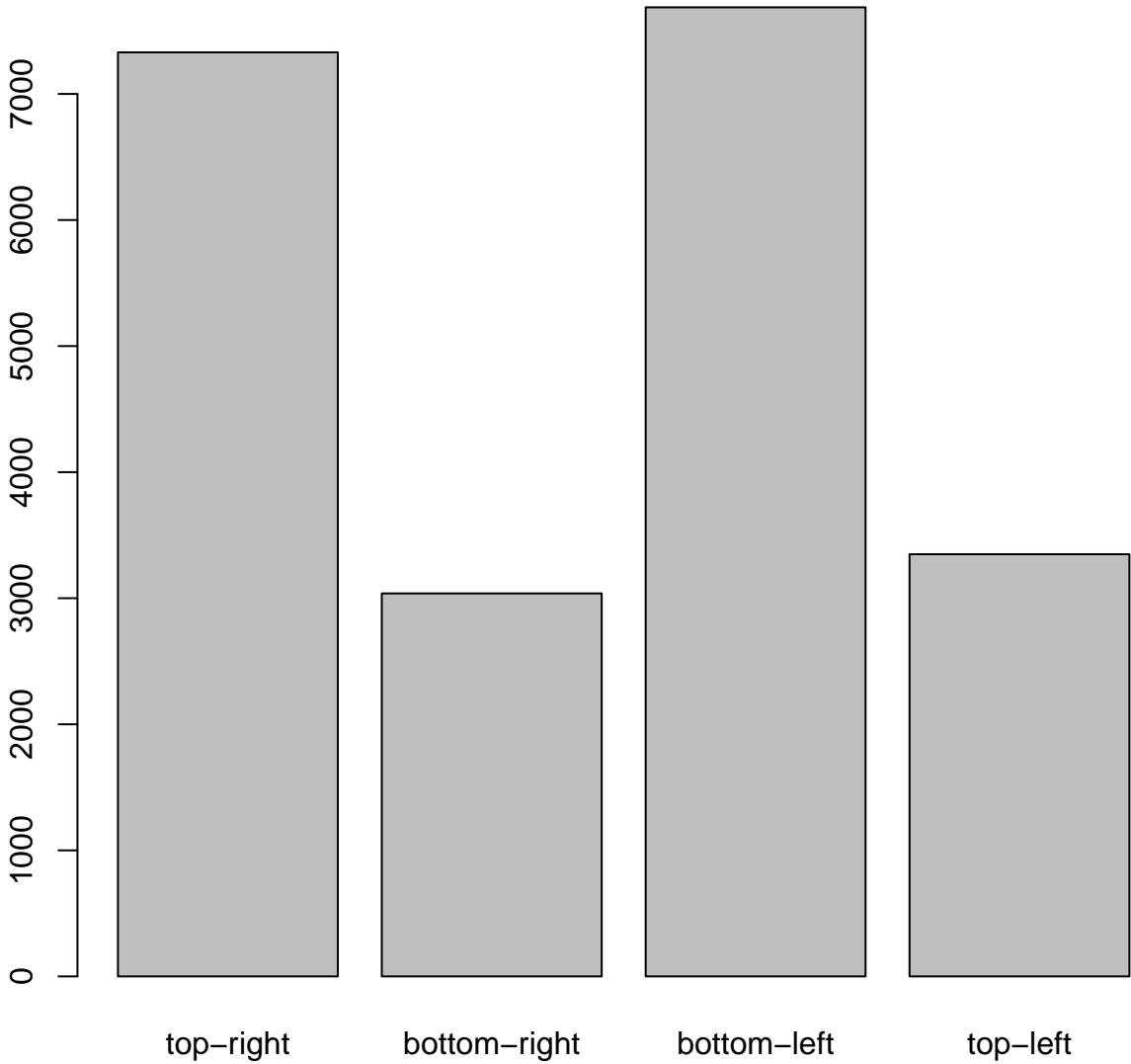
**Scatterplot of all genes**



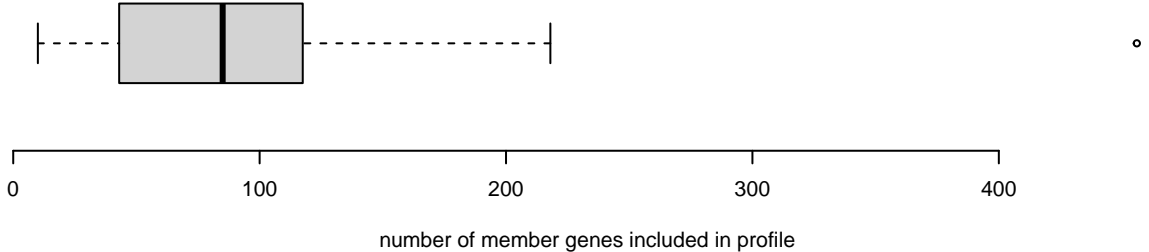
# Rank-rank plot of all genes



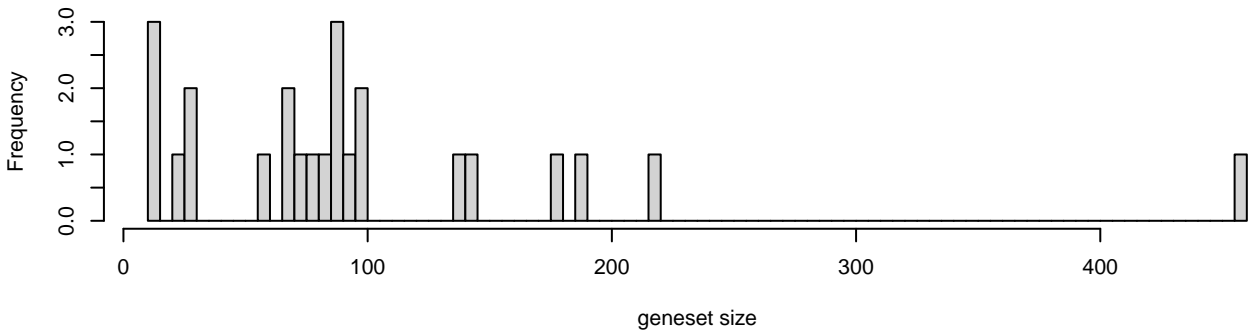
# number of genes in each quadrant



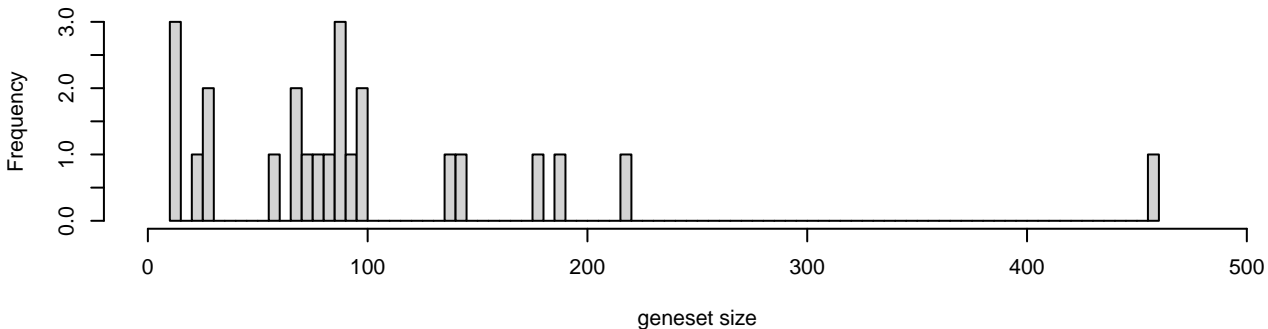
## Gene set size



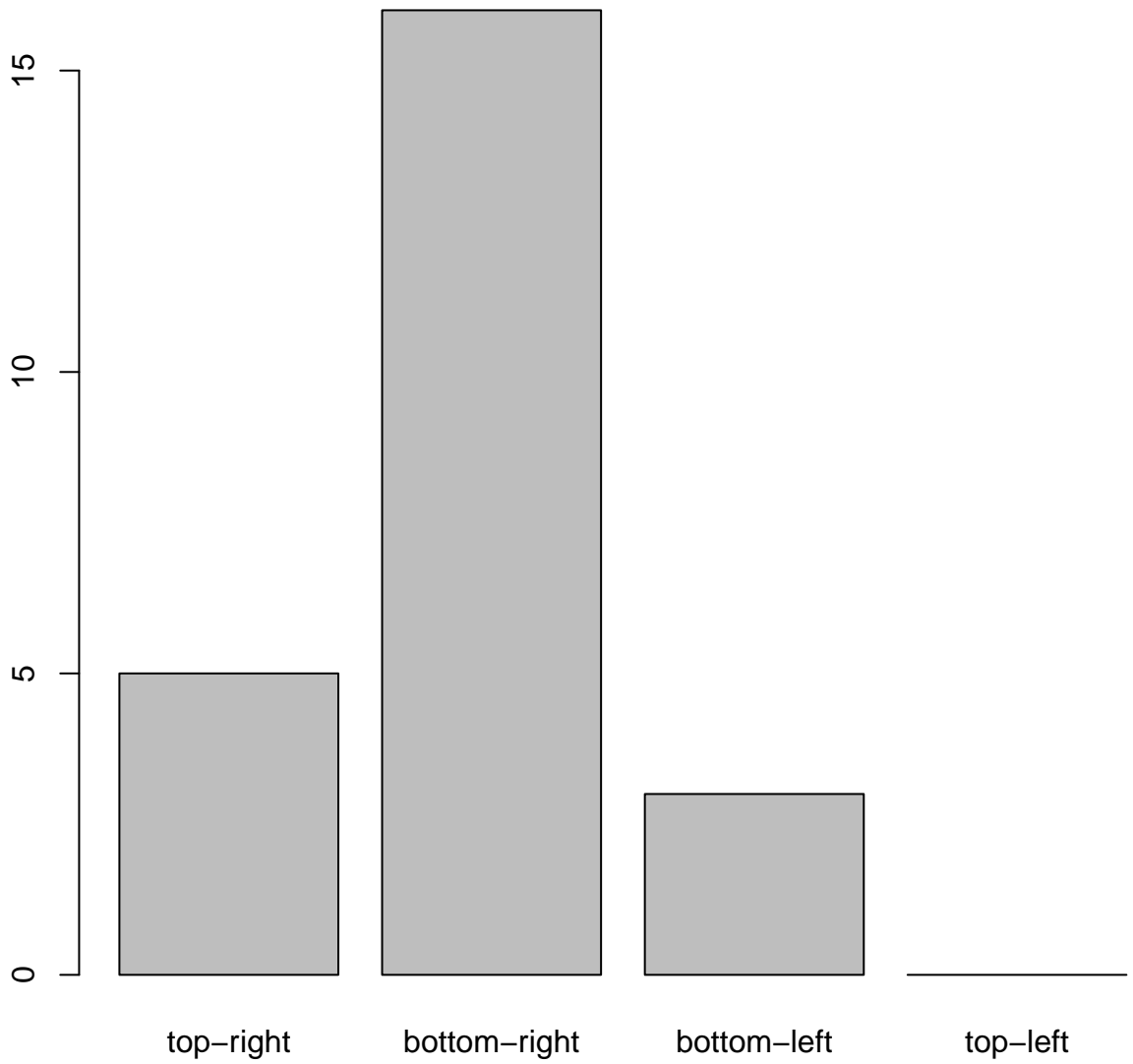
## Histogram of geneset size



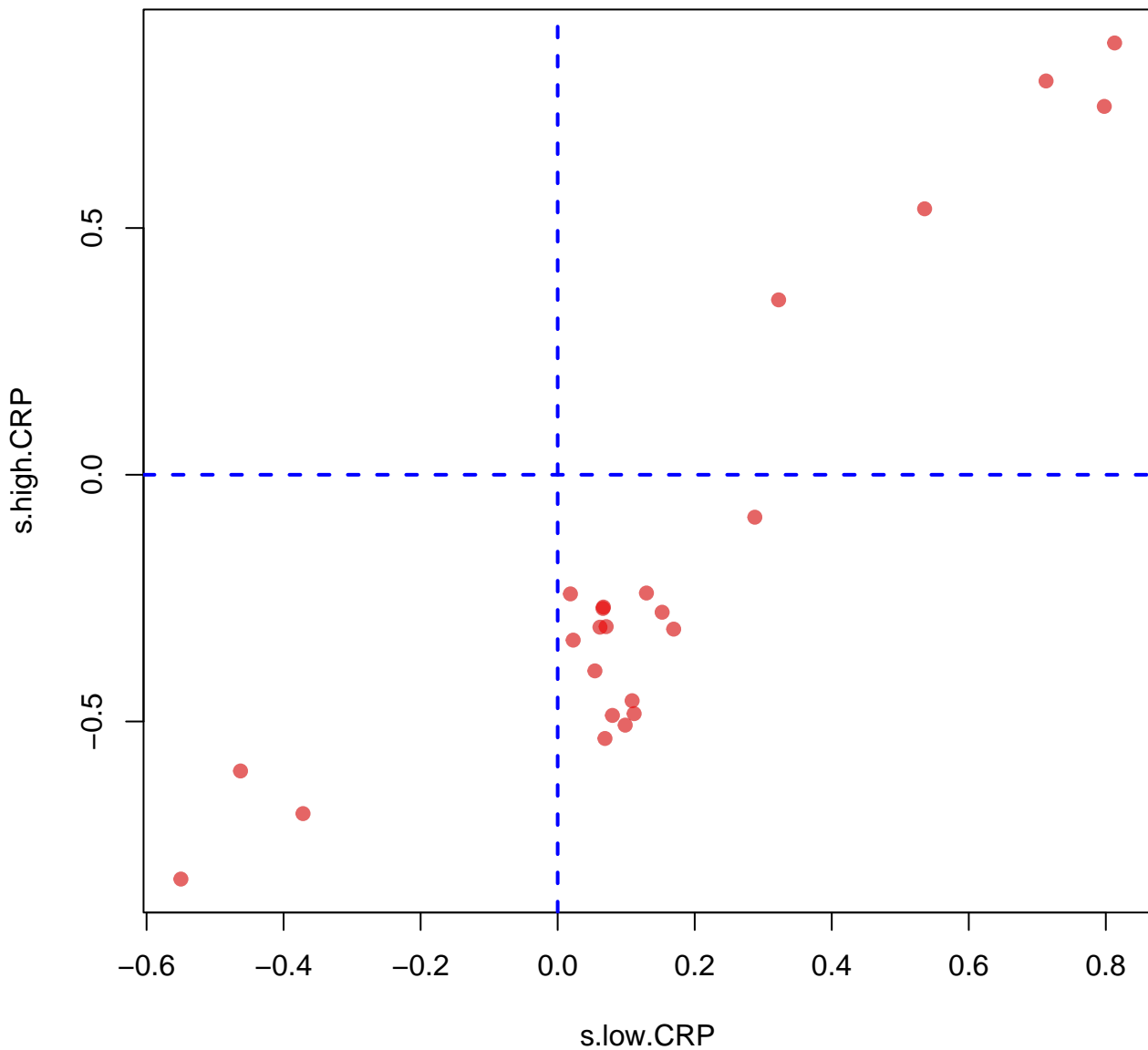
## Trimmed histogram of geneset size



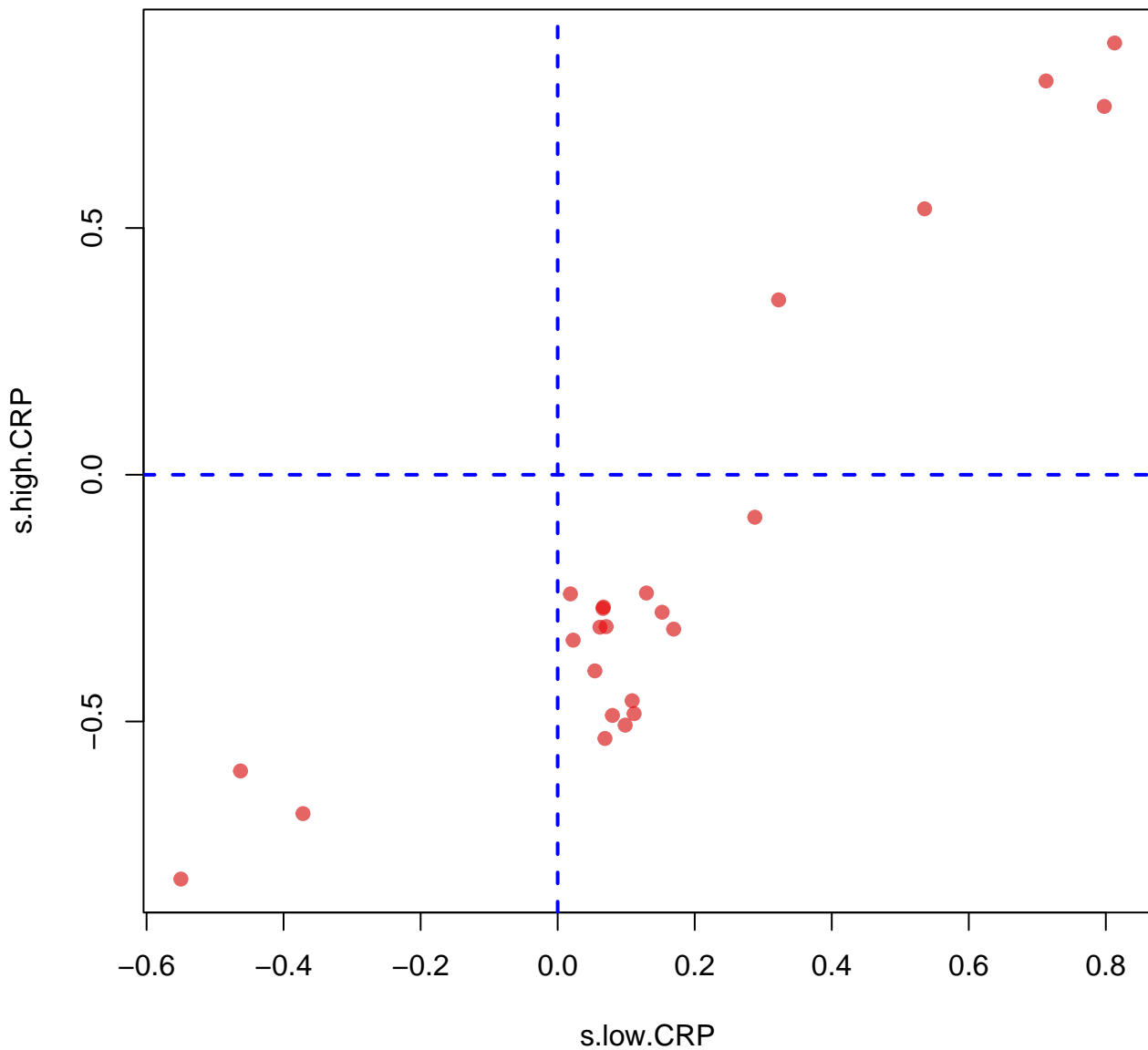
# number of genesets FDR<0.05



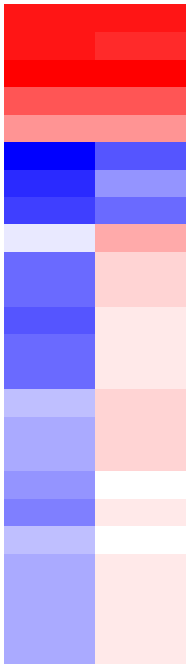
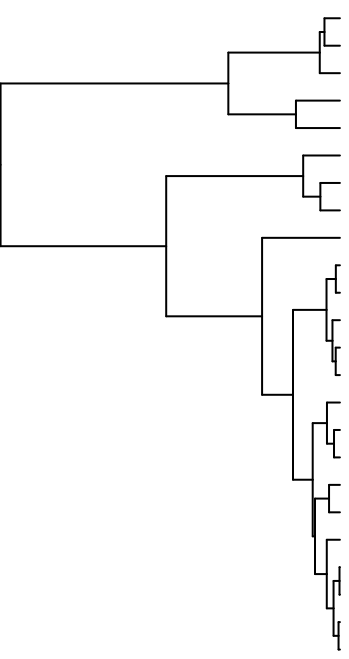
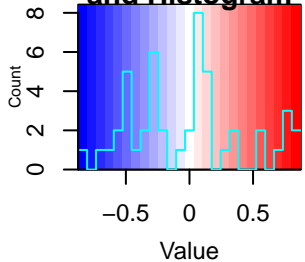
Scatterplot of all gene sets; FDR<0.05 in red



Scatterplot of all gene sets; top 24 in red



# Color Key and Histogram

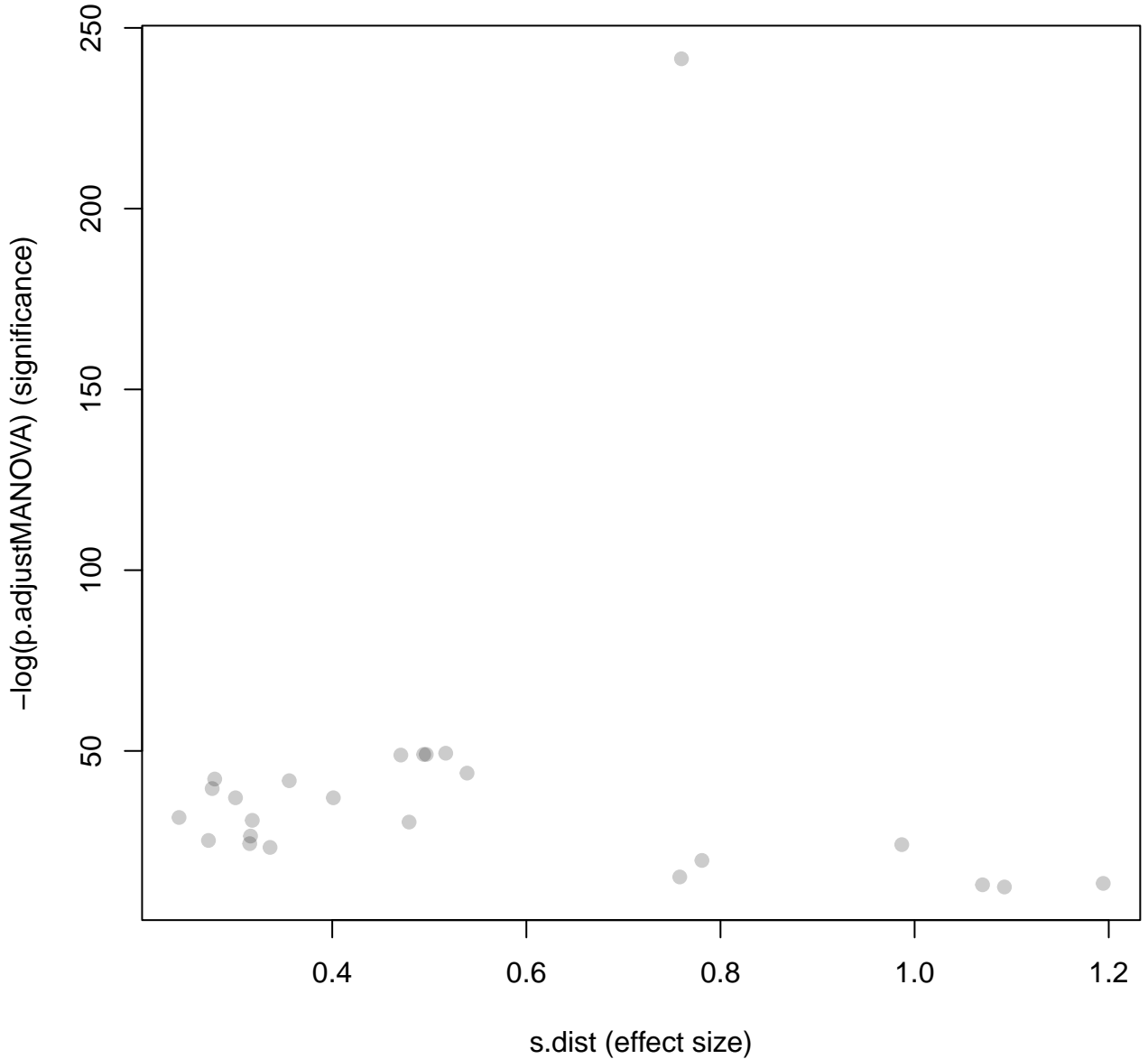


- Regulation of TLR by endogenous ligand
- alpha-linolenic acid (ALA) metabolism
- MyD88 deficiency (TLR2/4)
- Neutrophil degranulation
- Toll-like Receptor Cascades
- Translocation of ZAP-70 to Immunological synapse
- PD-1 signaling
- Phosphorylation of CD3 and TCR zeta chains
- FCER1 mediated NF-kB activation
- Initial triggering of complement
- Creation of C4 and C2 activators
- CD22 mediated BCR regulation
- FCGR activation
- Classical antibody-mediated complement activation
- Formation of a pool of free 40S subunits
- FCER1 mediated MAPK activation
- Complement cascade
- Antigen activates B Cell Receptor (BCR) leading to generation of second messenger
- Role of phospholipids in phagocytosis
- rRNA processing
- Major pathway of rRNA processing in the nucleolus and cytosol
- rRNA processing in the nucleus and cytosol
- Eukaryotic Translation Elongation
- Peptide chain elongation

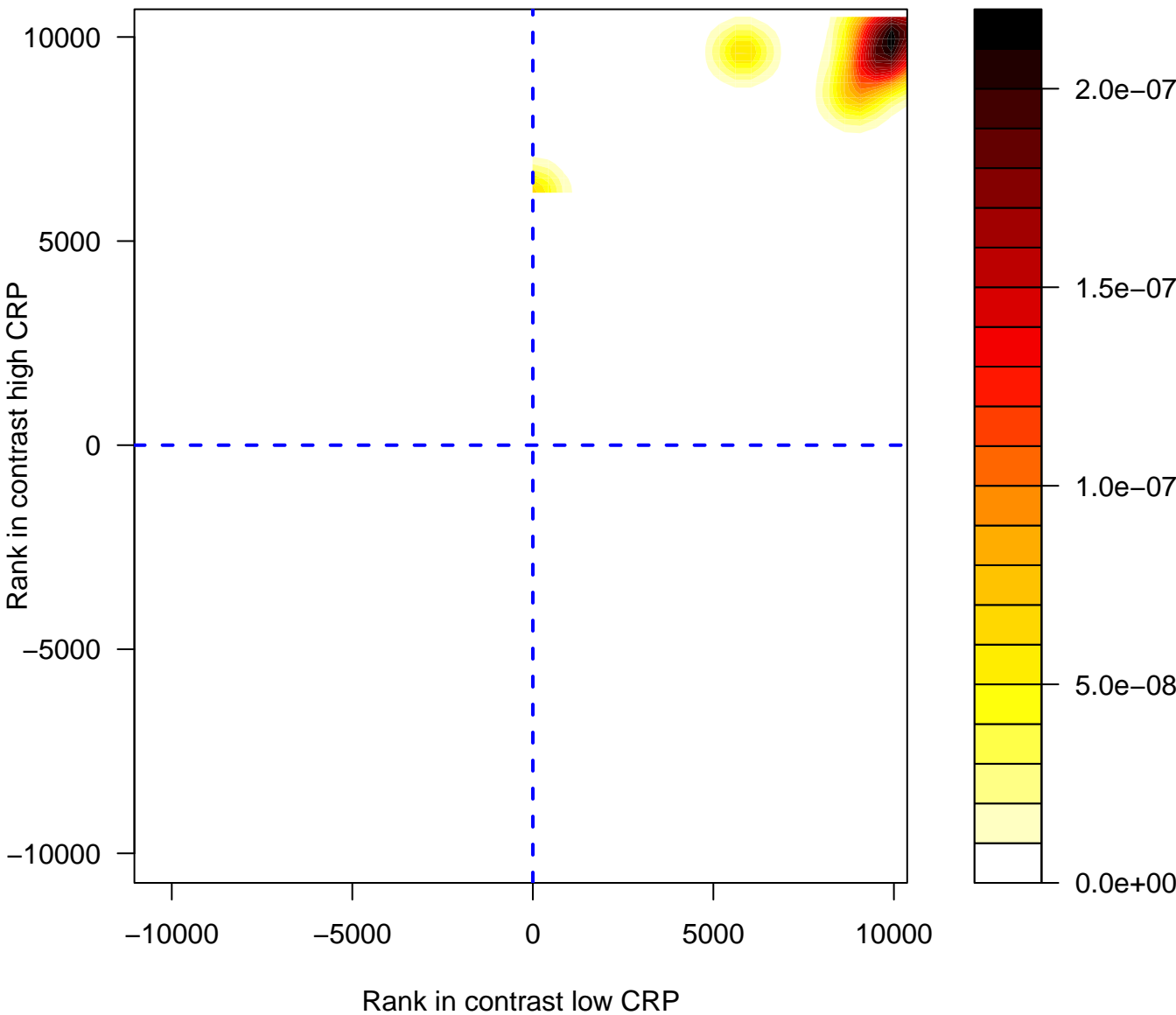
high.CRP  
low.CRP



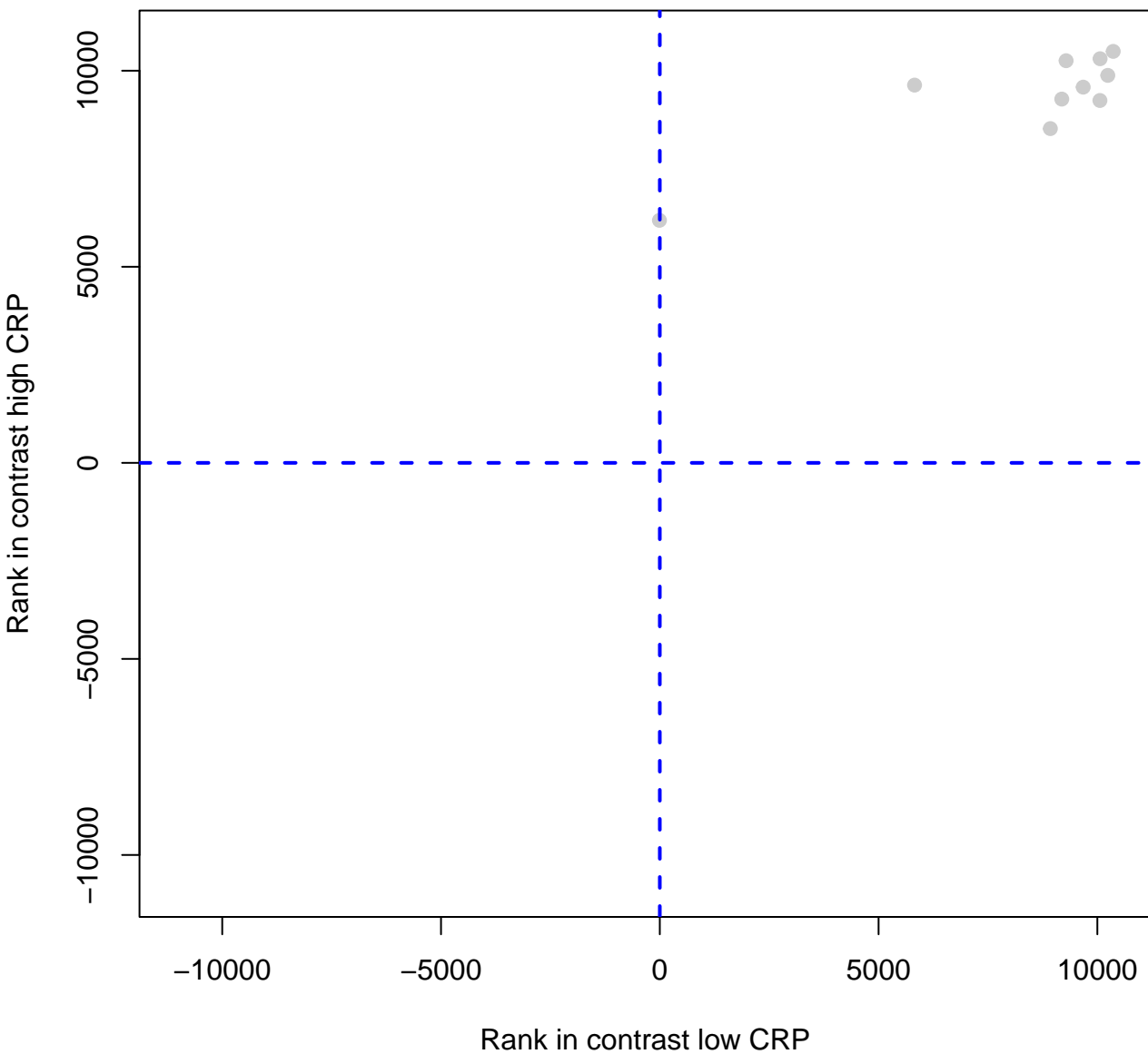
# effect size versus statistical significance



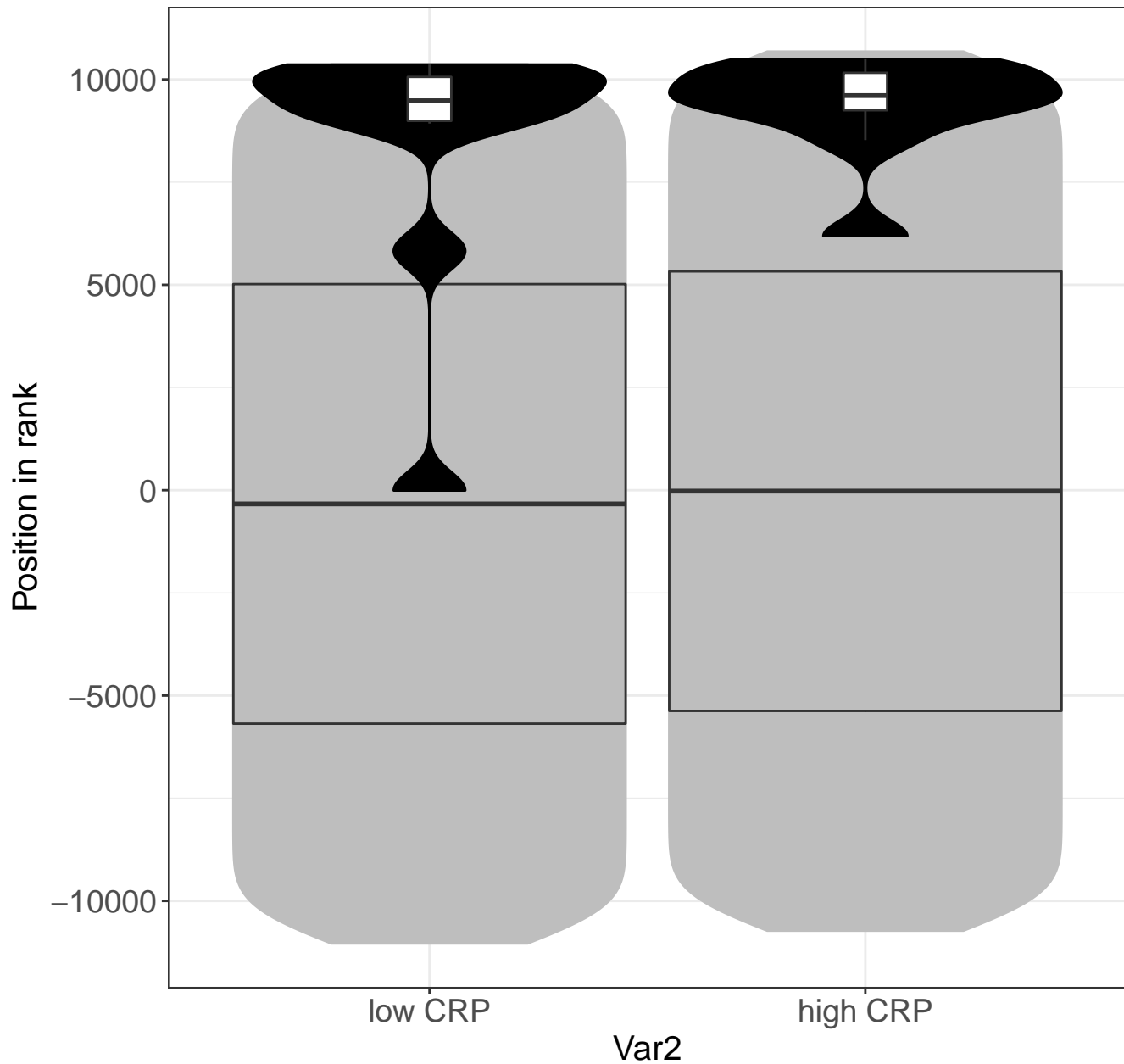
# MyD88 deficiency (TLR2/4)



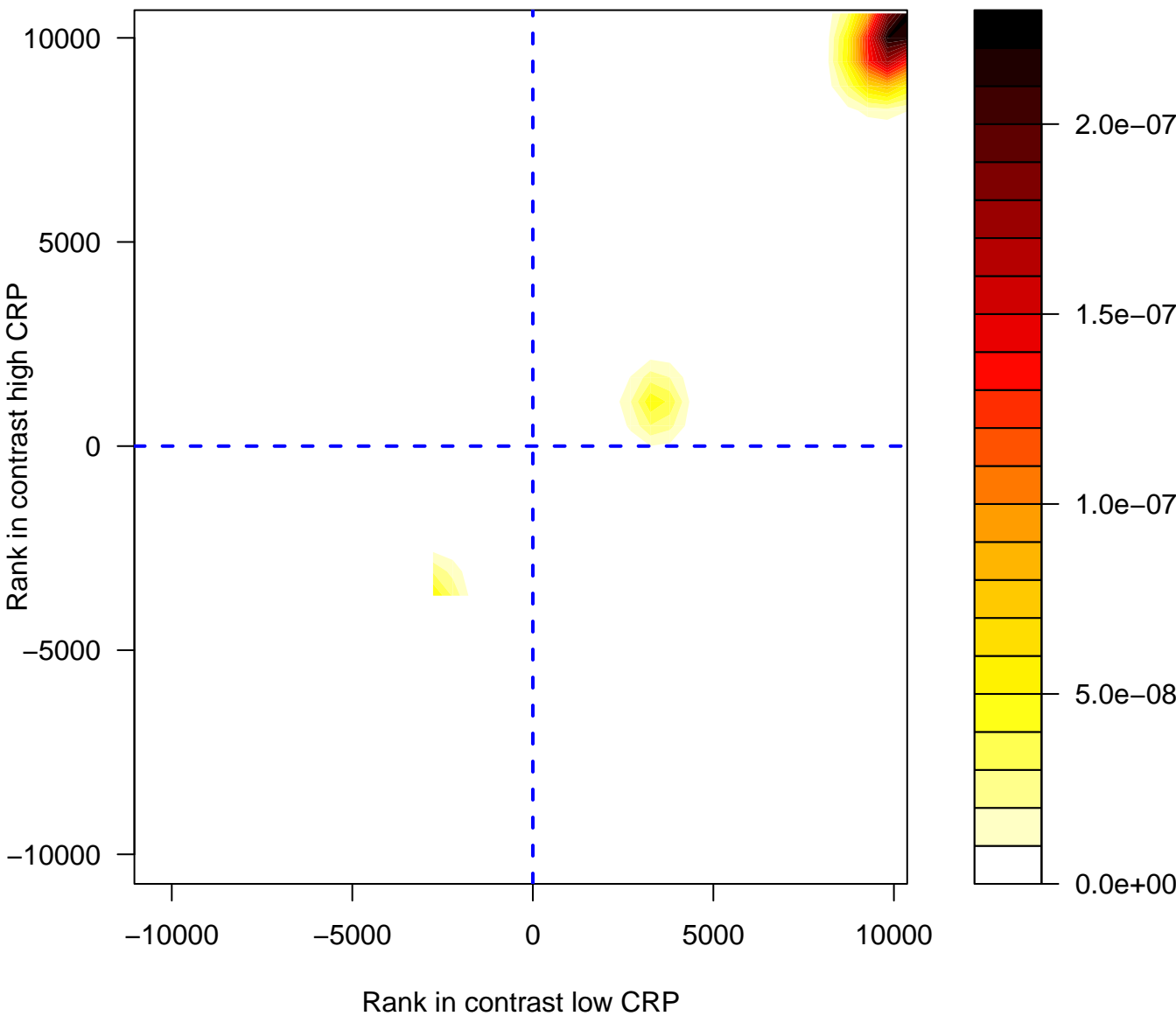
# MyD88 deficiency (TLR2/4)



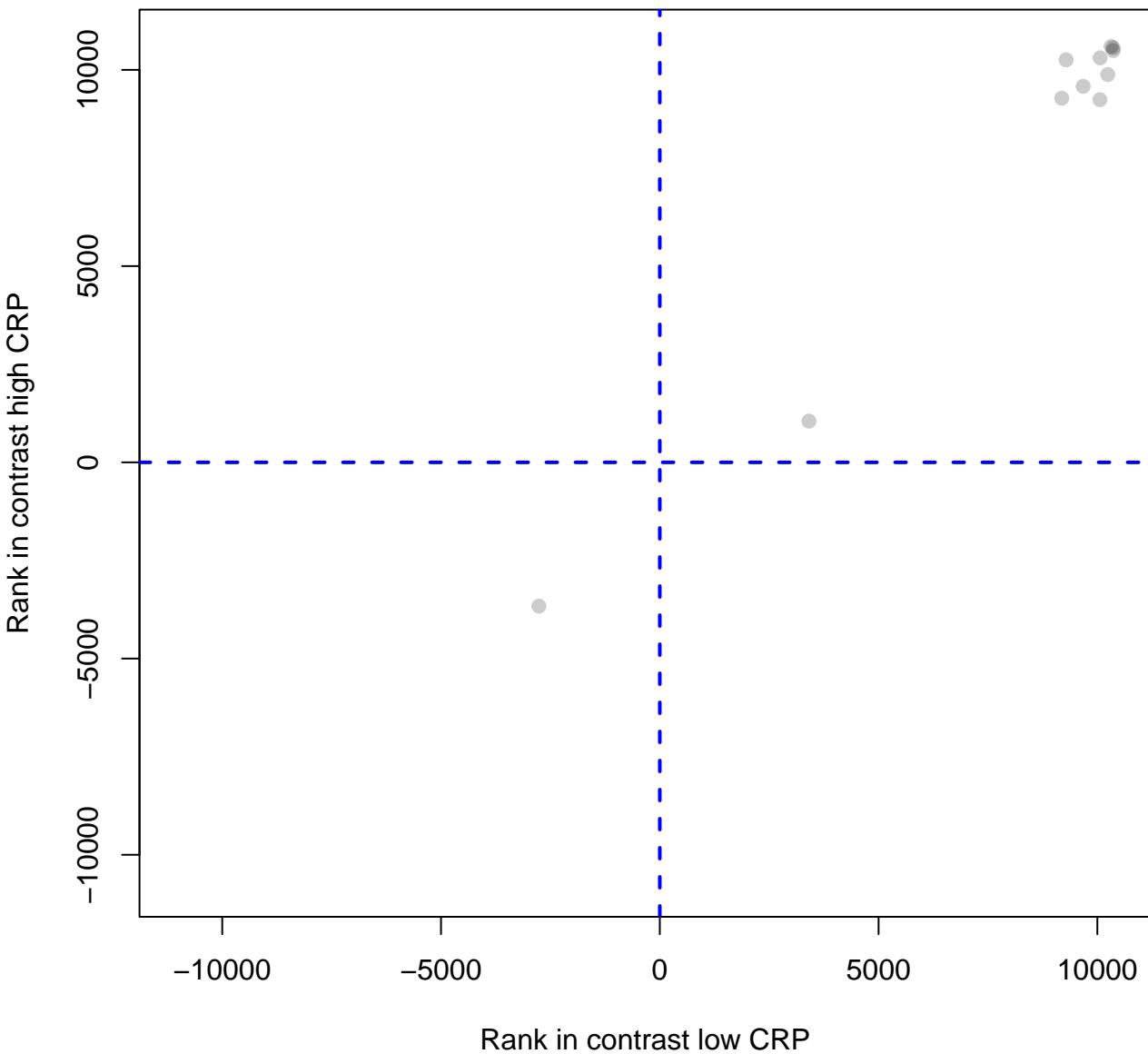
# MyD88 deficiency (TLR2/4)



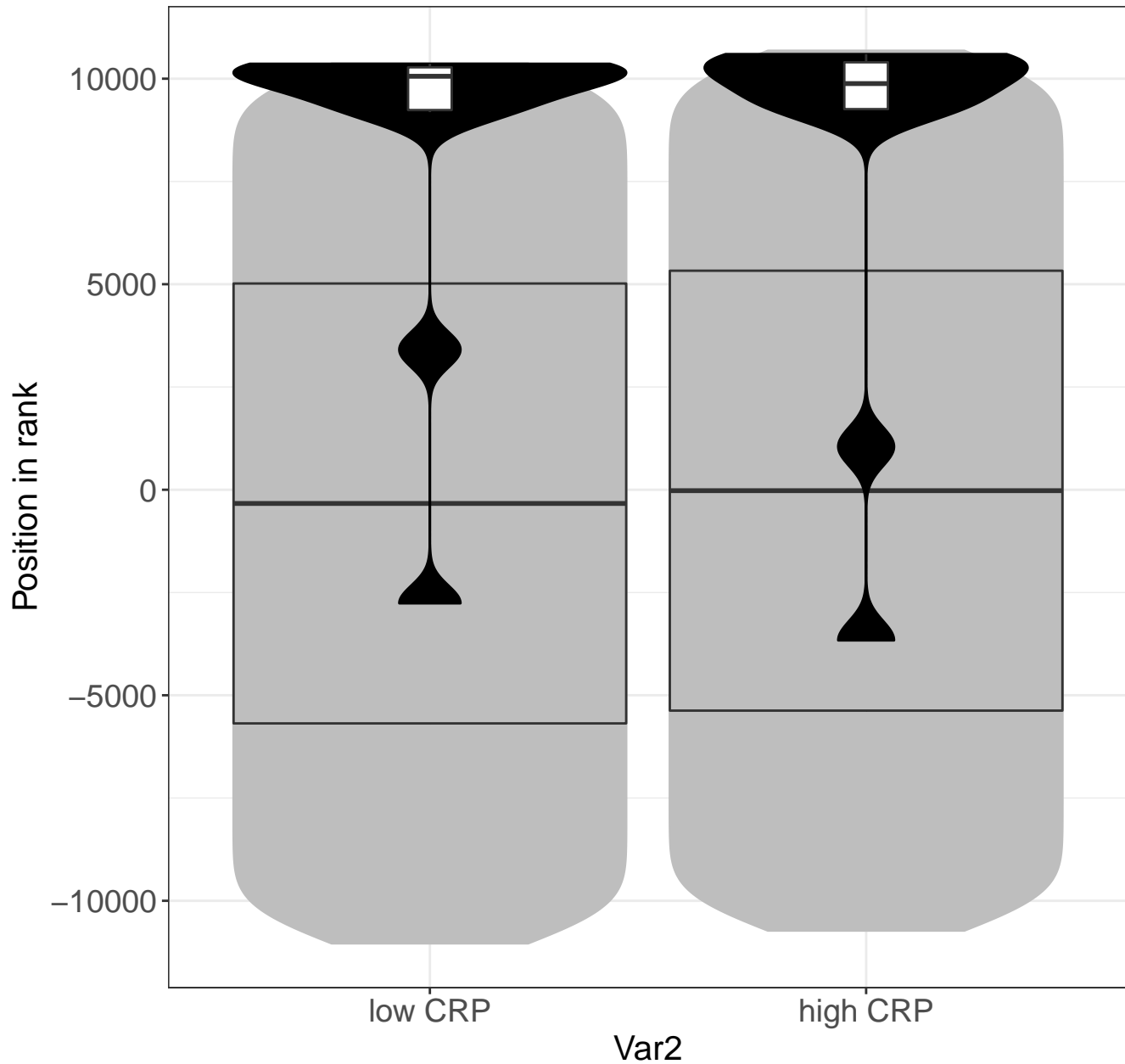
# Regulation of TLR by endogenous ligand



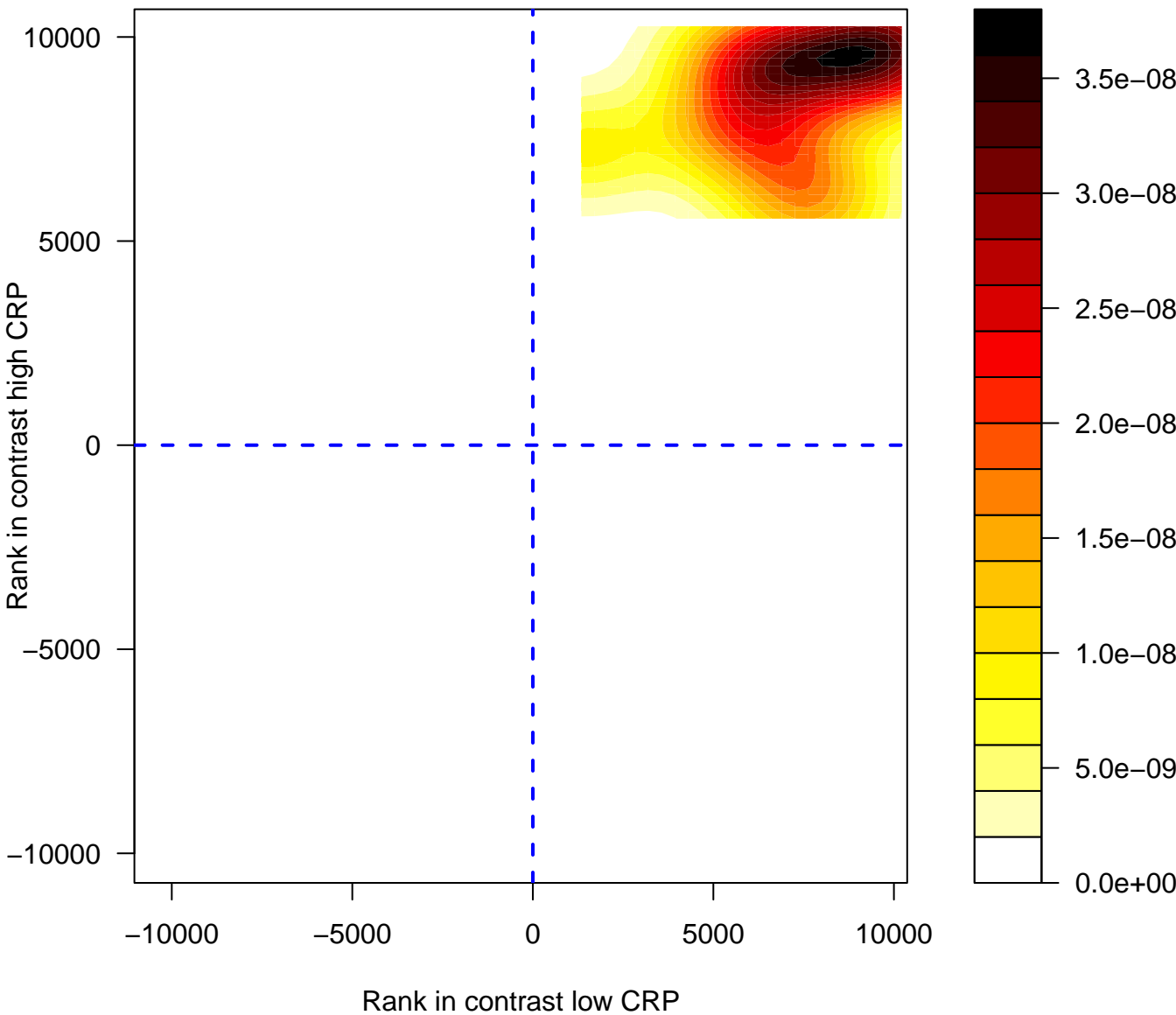
# Regulation of TLR by endogenous ligand



# Regulation of TLR by endogenous ligand

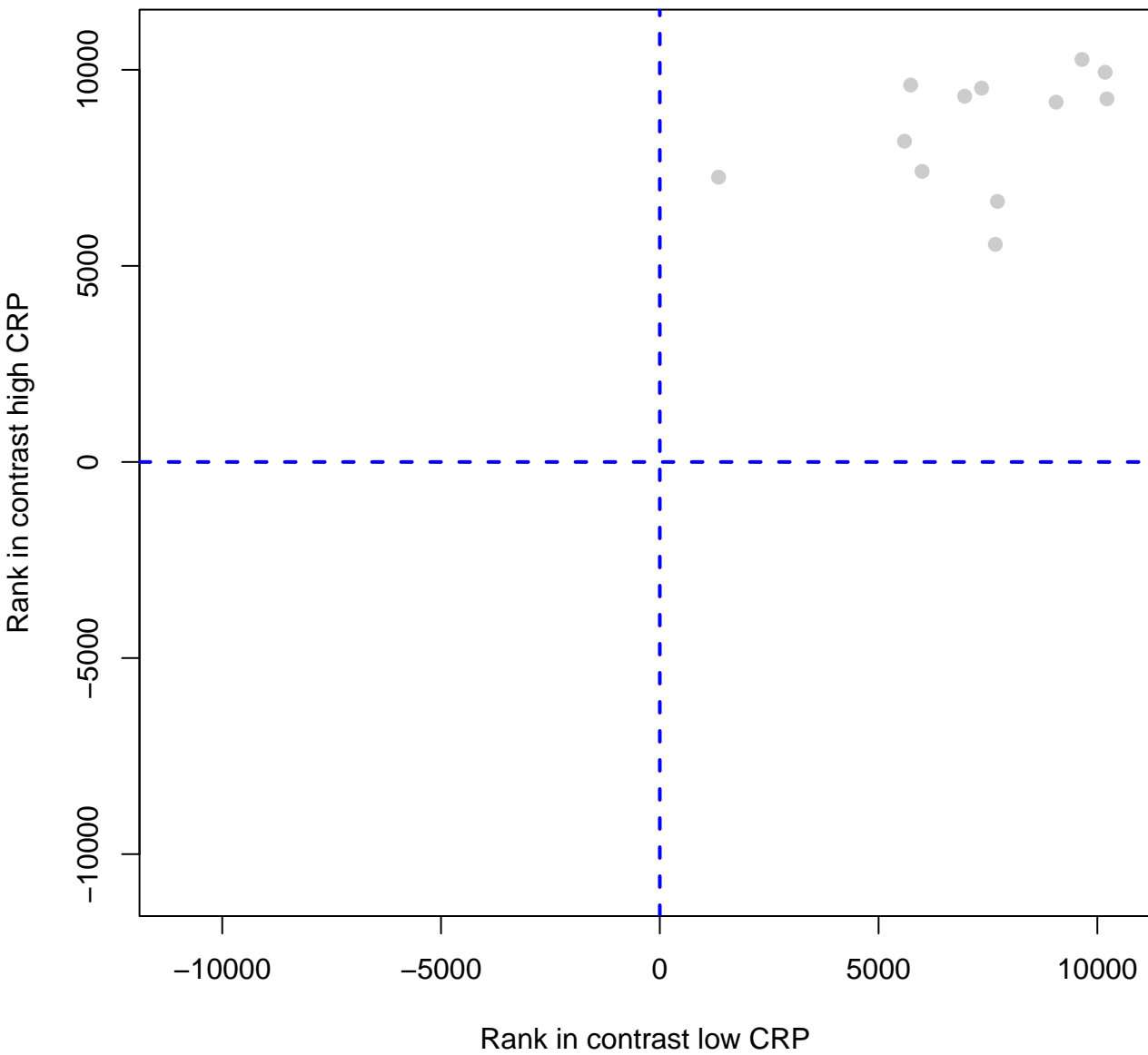


# alpha-linolenic acid (ALA) metabolism

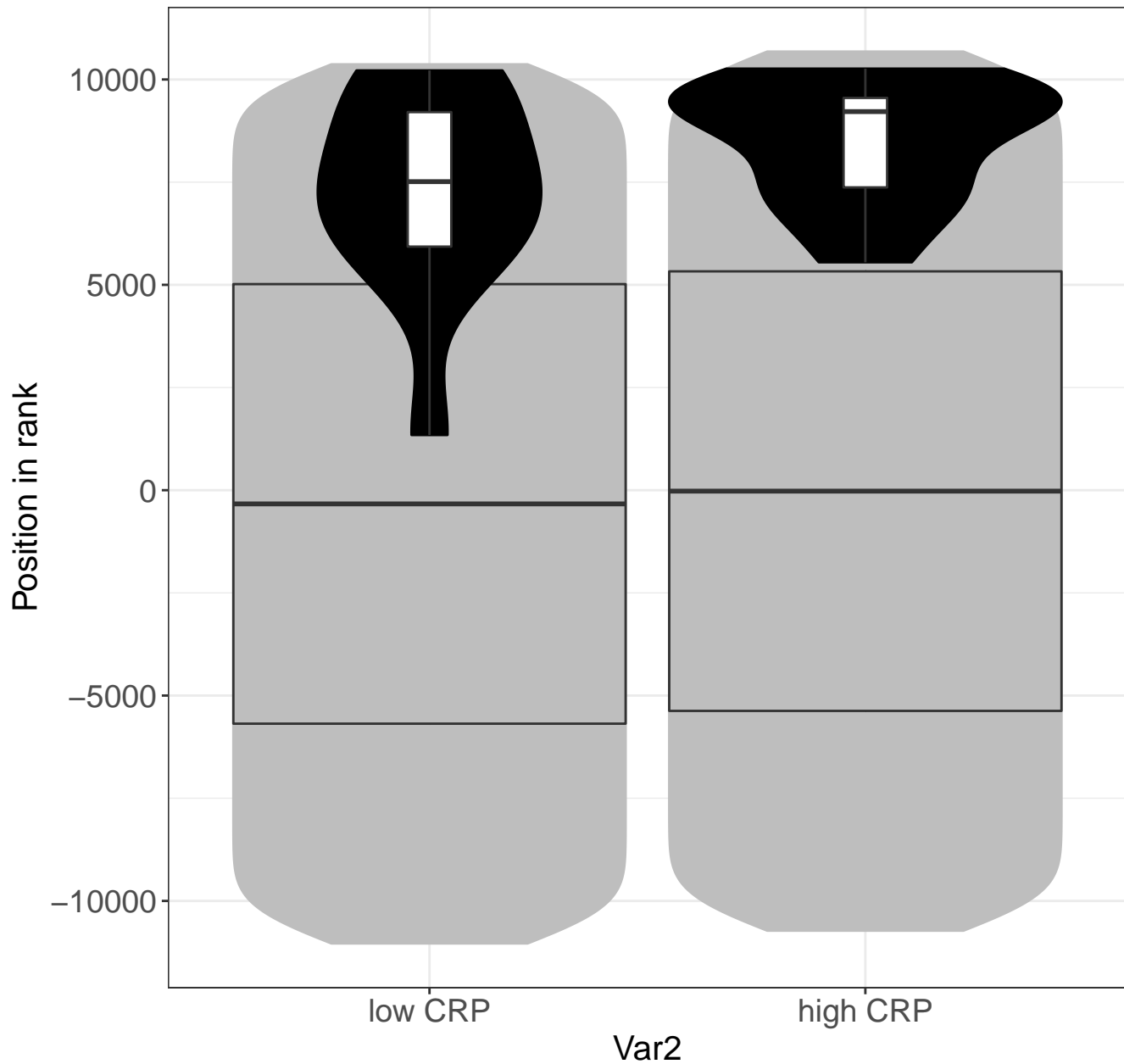




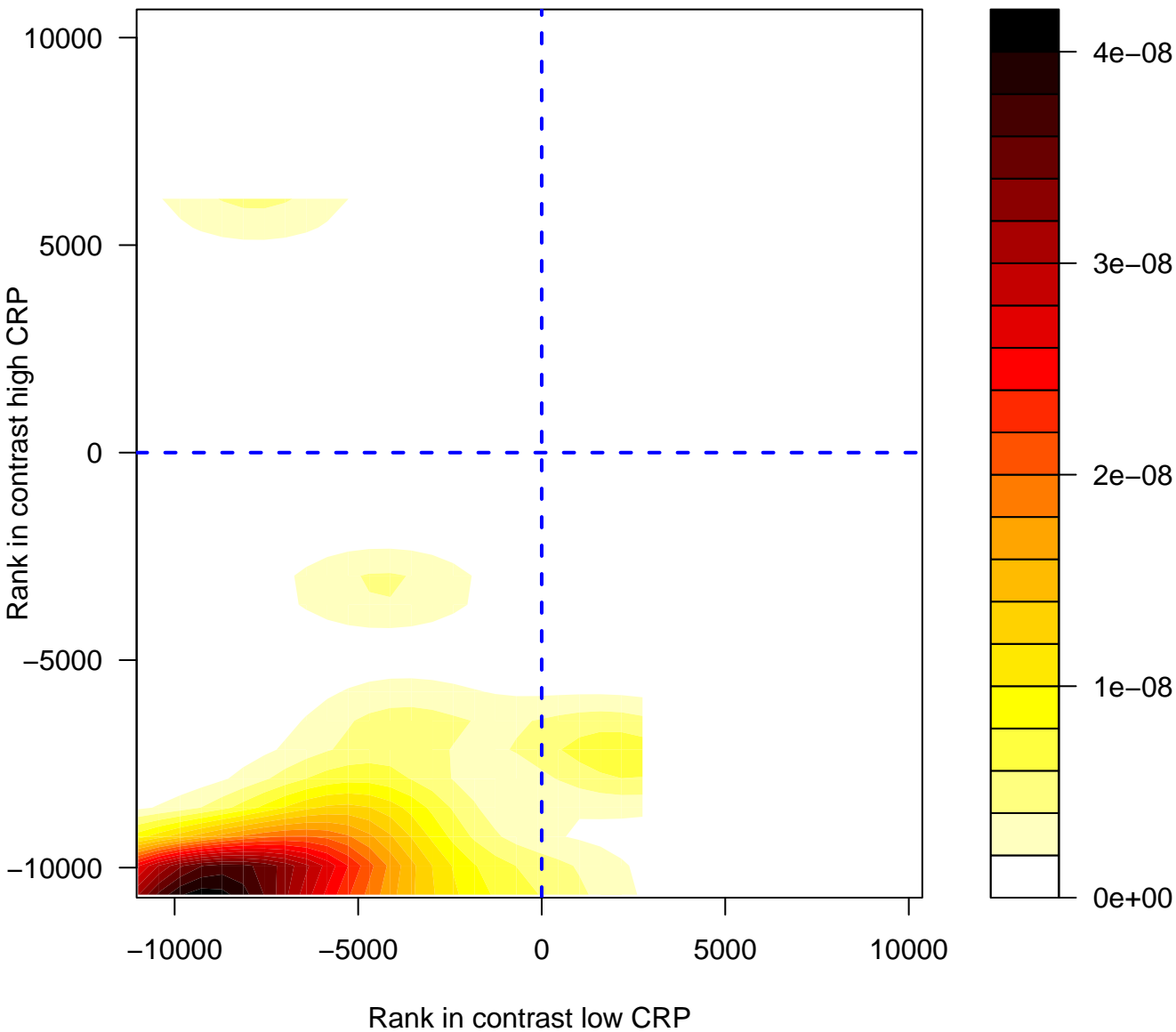
# alpha-linolenic acid (ALA) metabolism



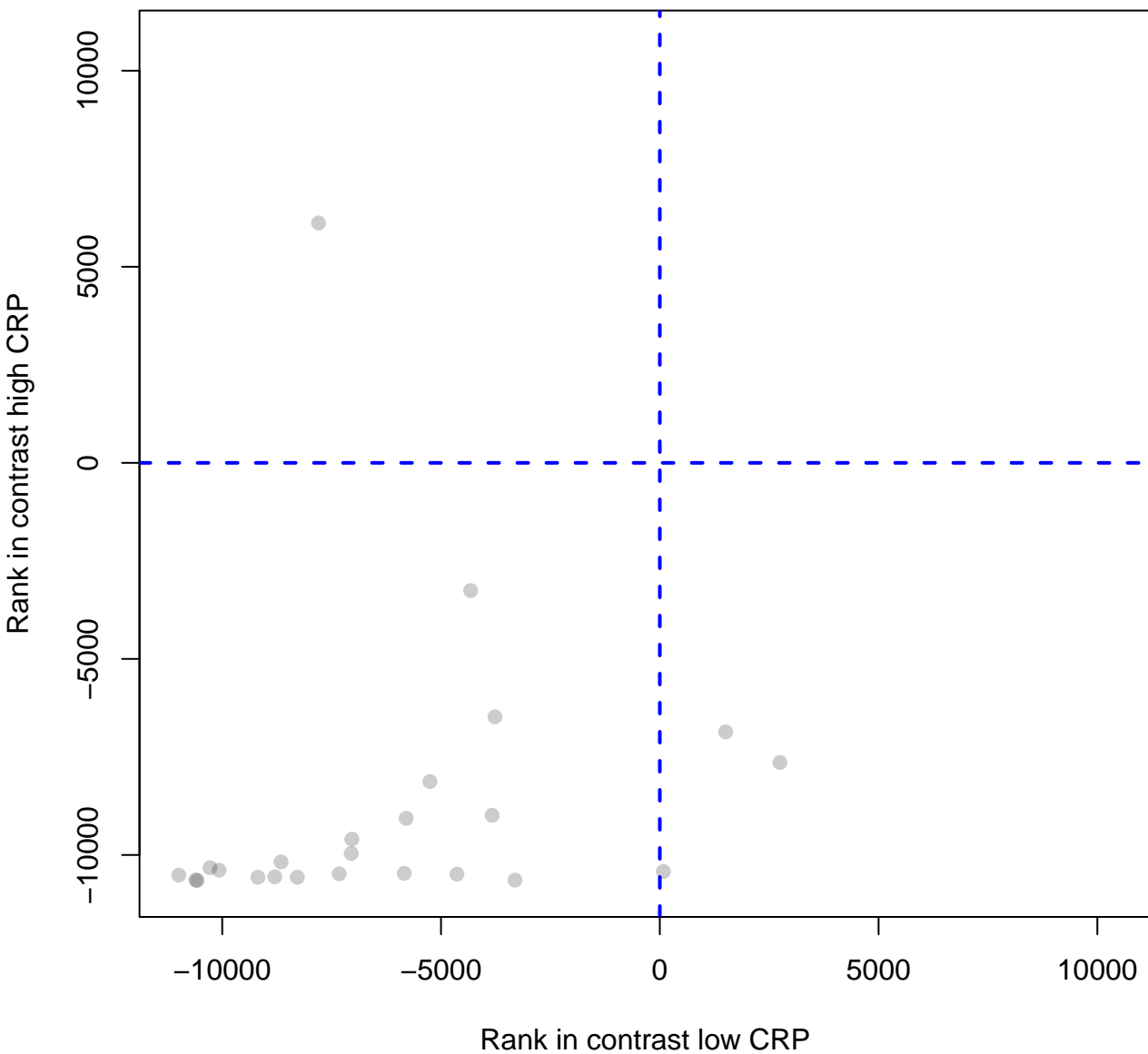
# alpha-linolenic acid (ALA) metabolism



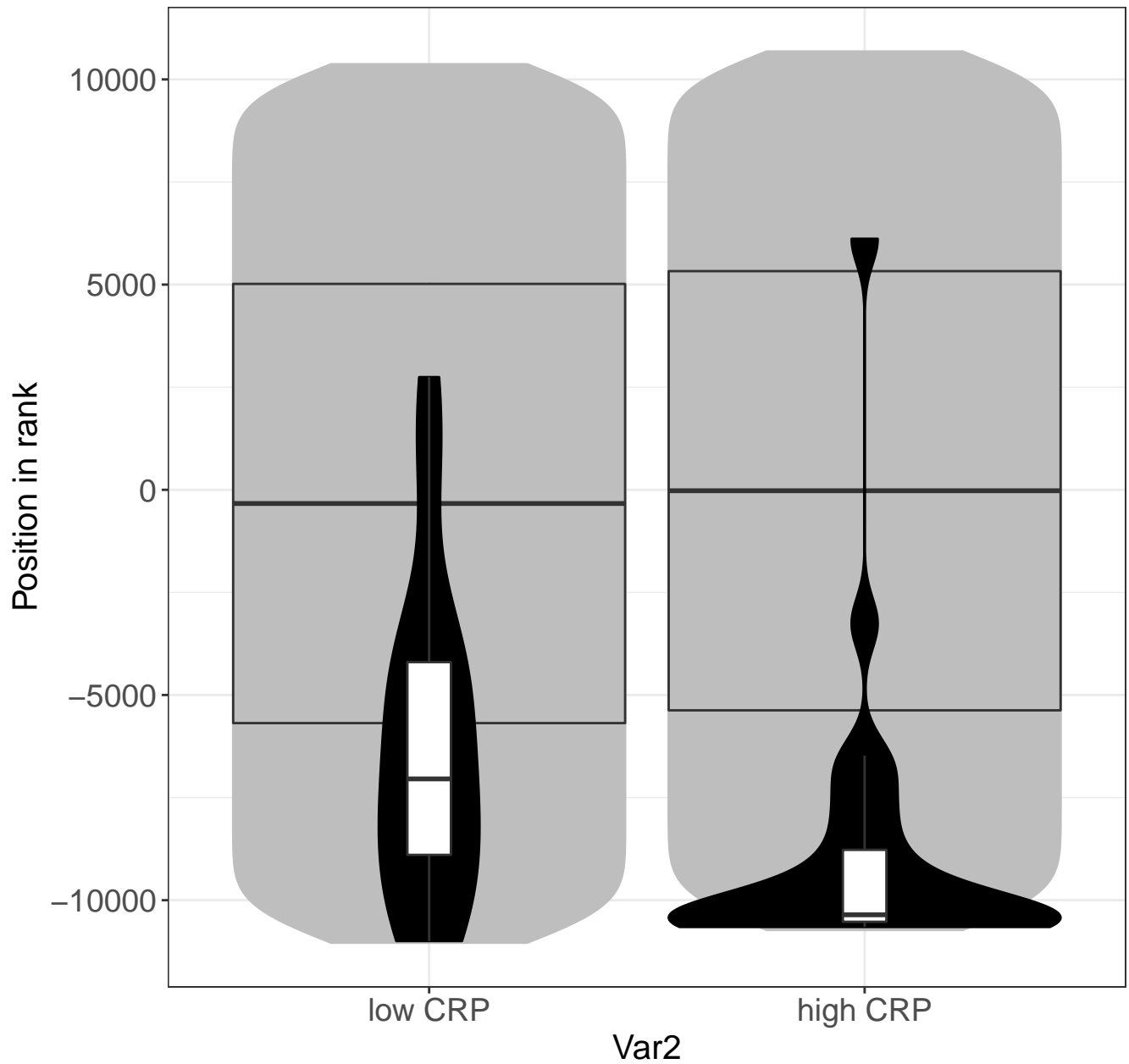
# Translocation of ZAP-70 to Immunological synapse



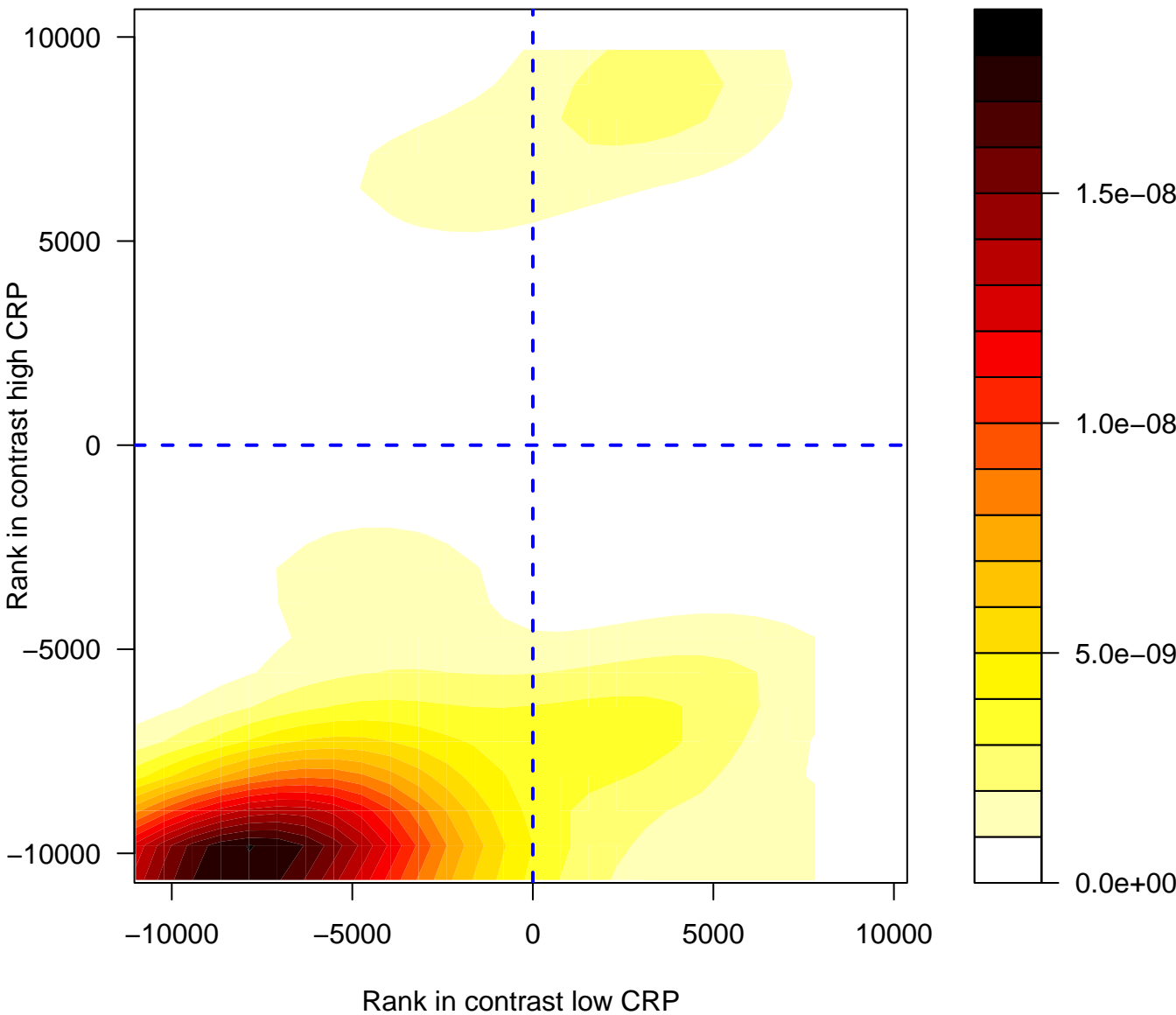
# Translocation of ZAP-70 to Immunological synapse



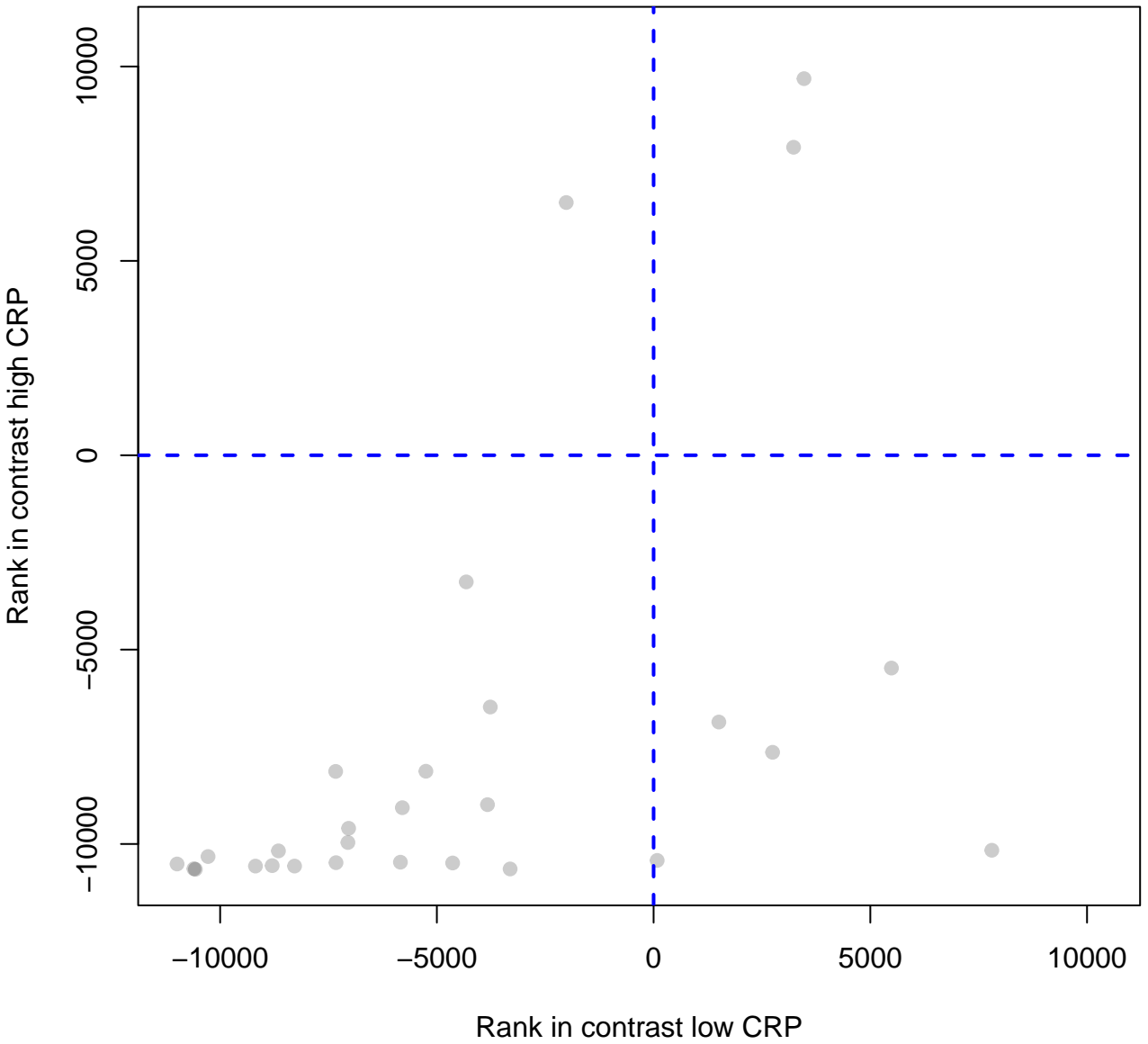
# Translocation of ZAP-70 to Immunological synapse



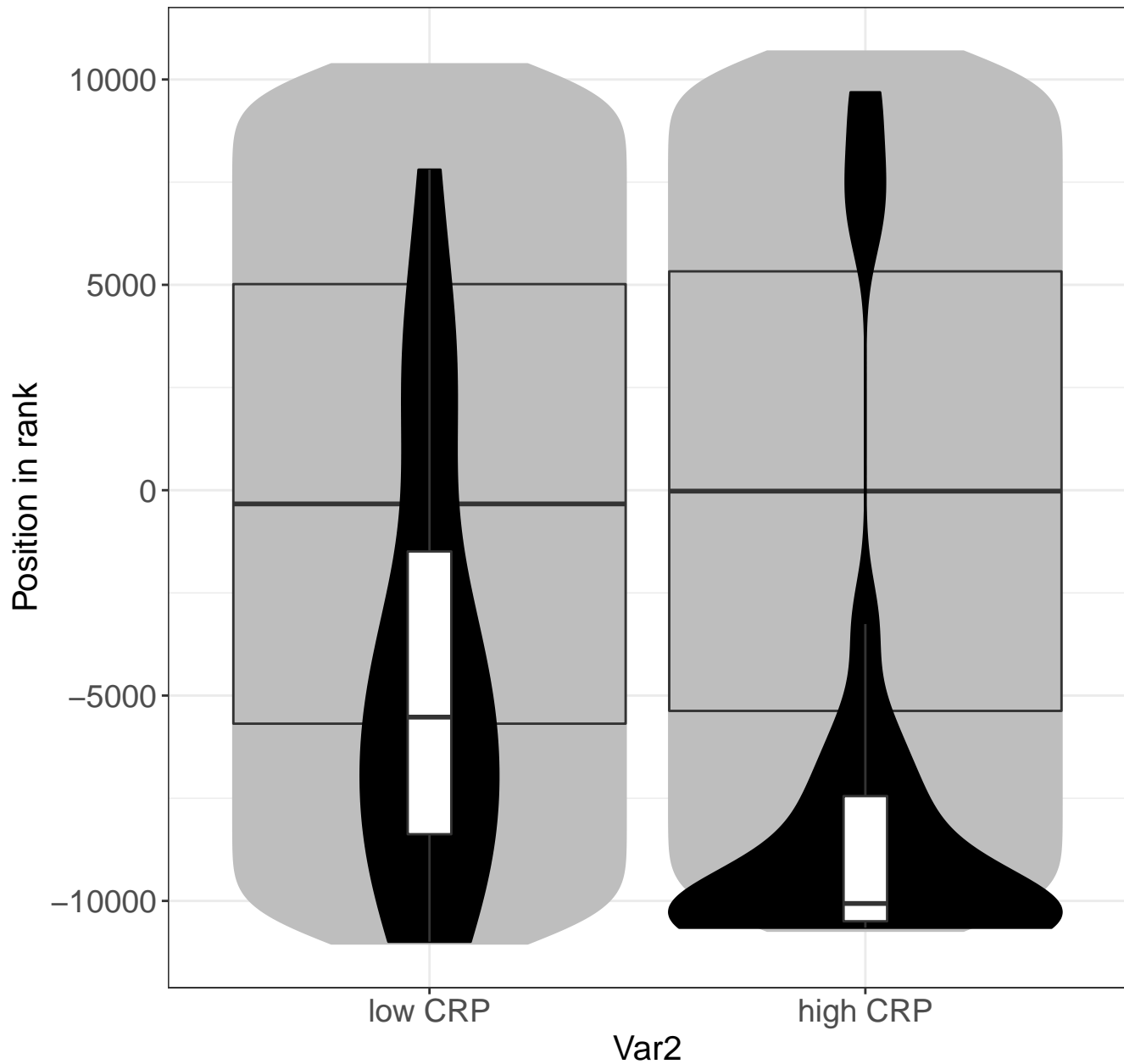
# PD-1 signaling



# PD-1 signaling

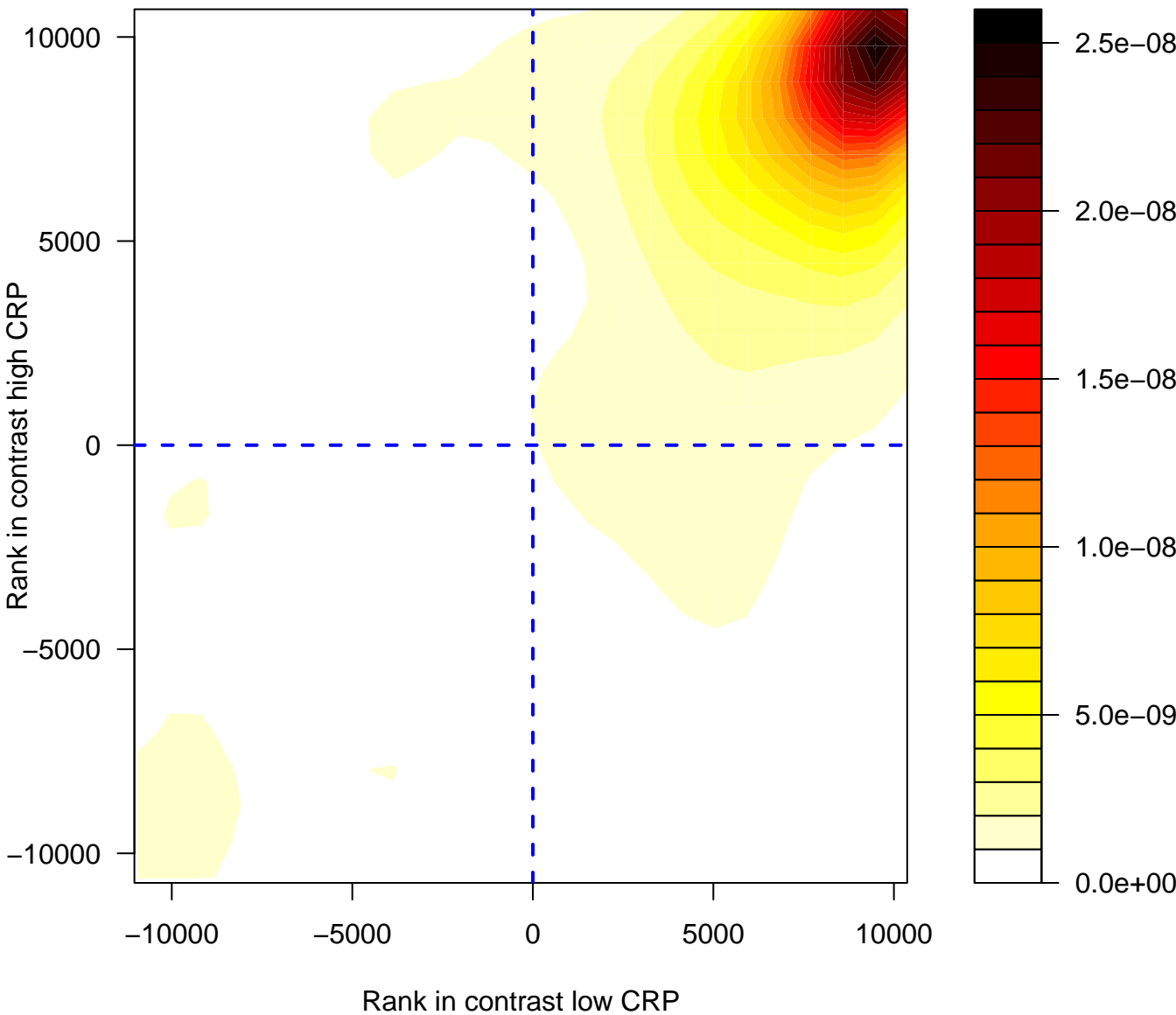


# PD-1 signaling

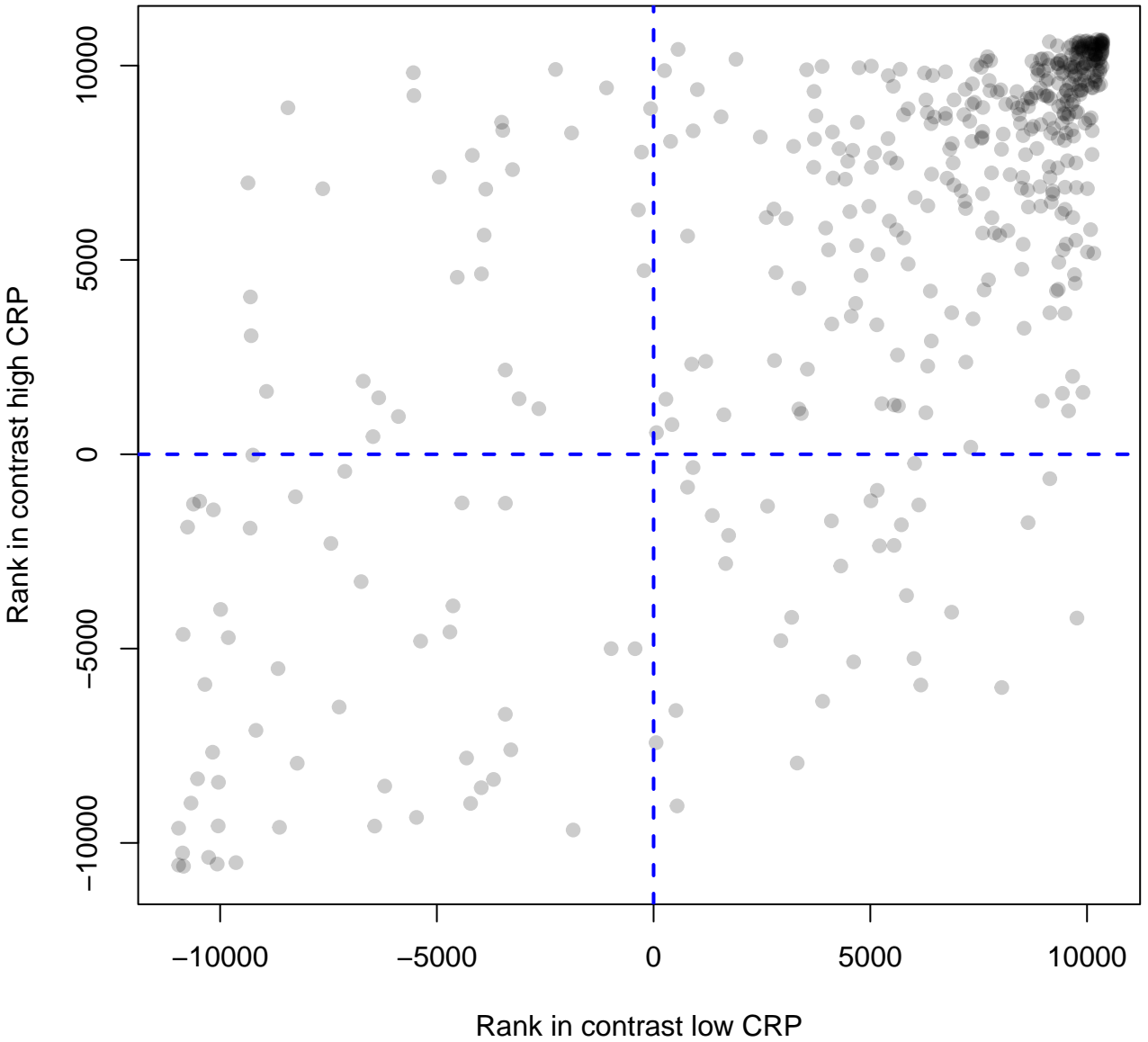




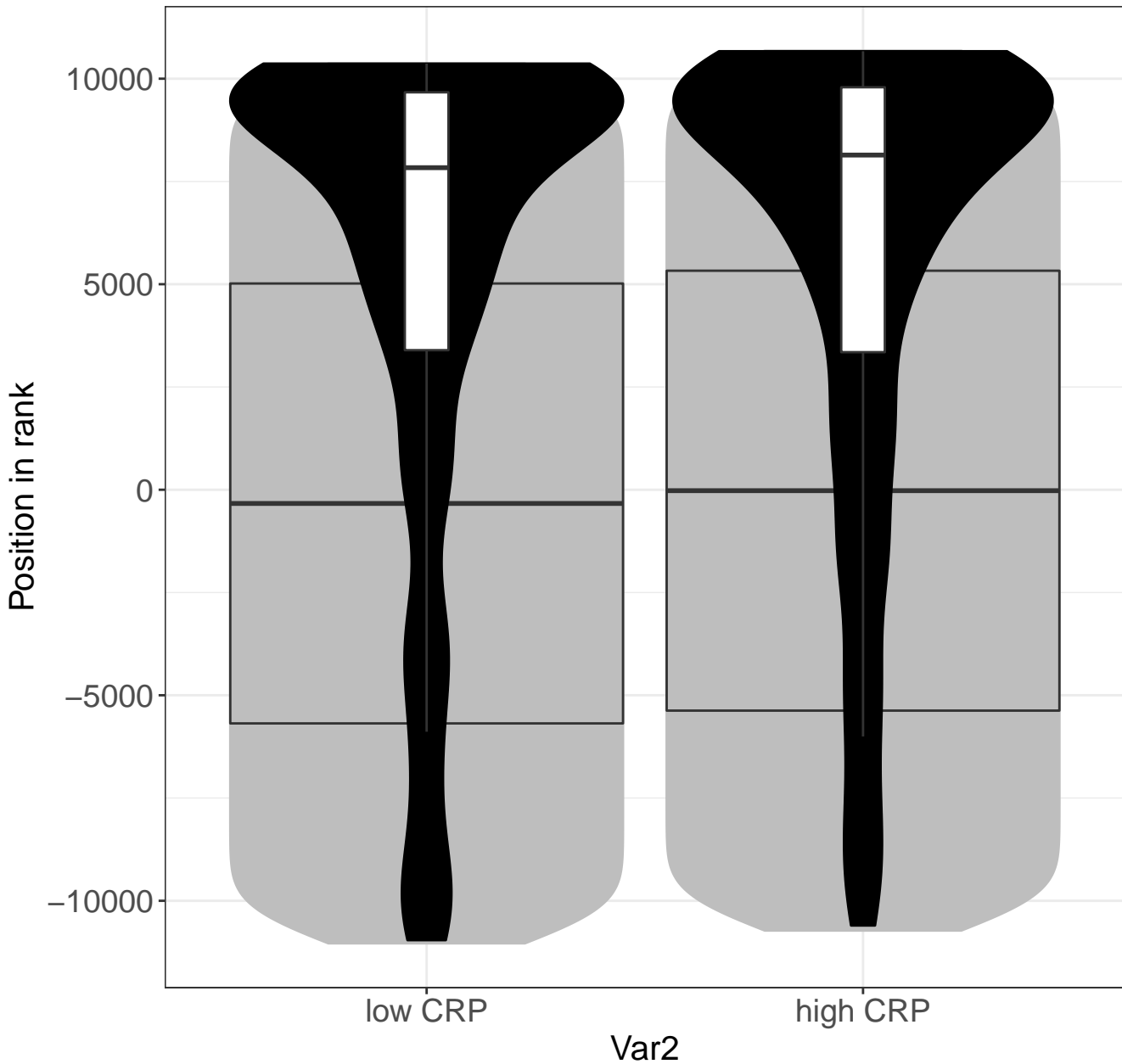
# Neutrophil degranulation



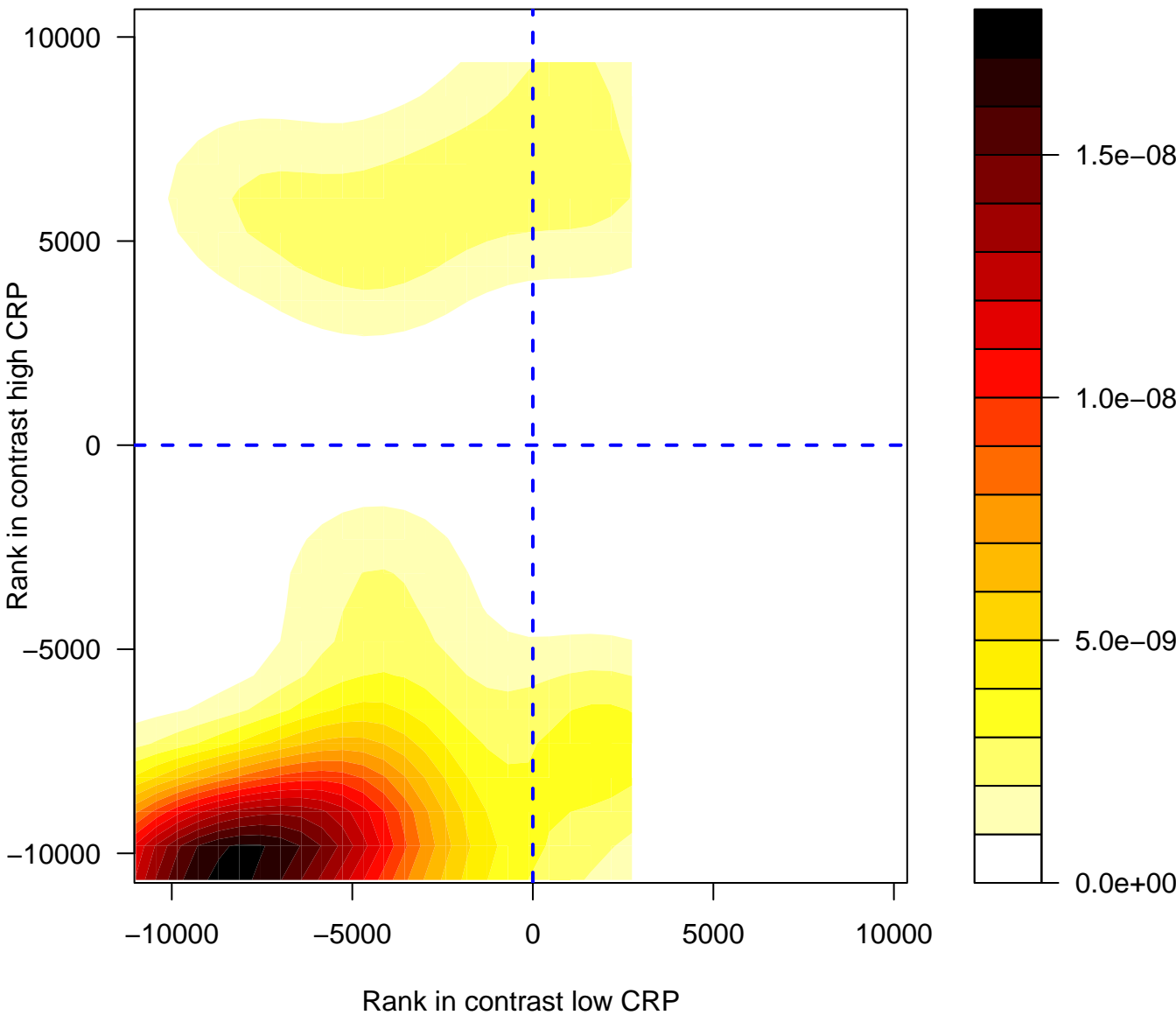
# Neutrophil degranulation



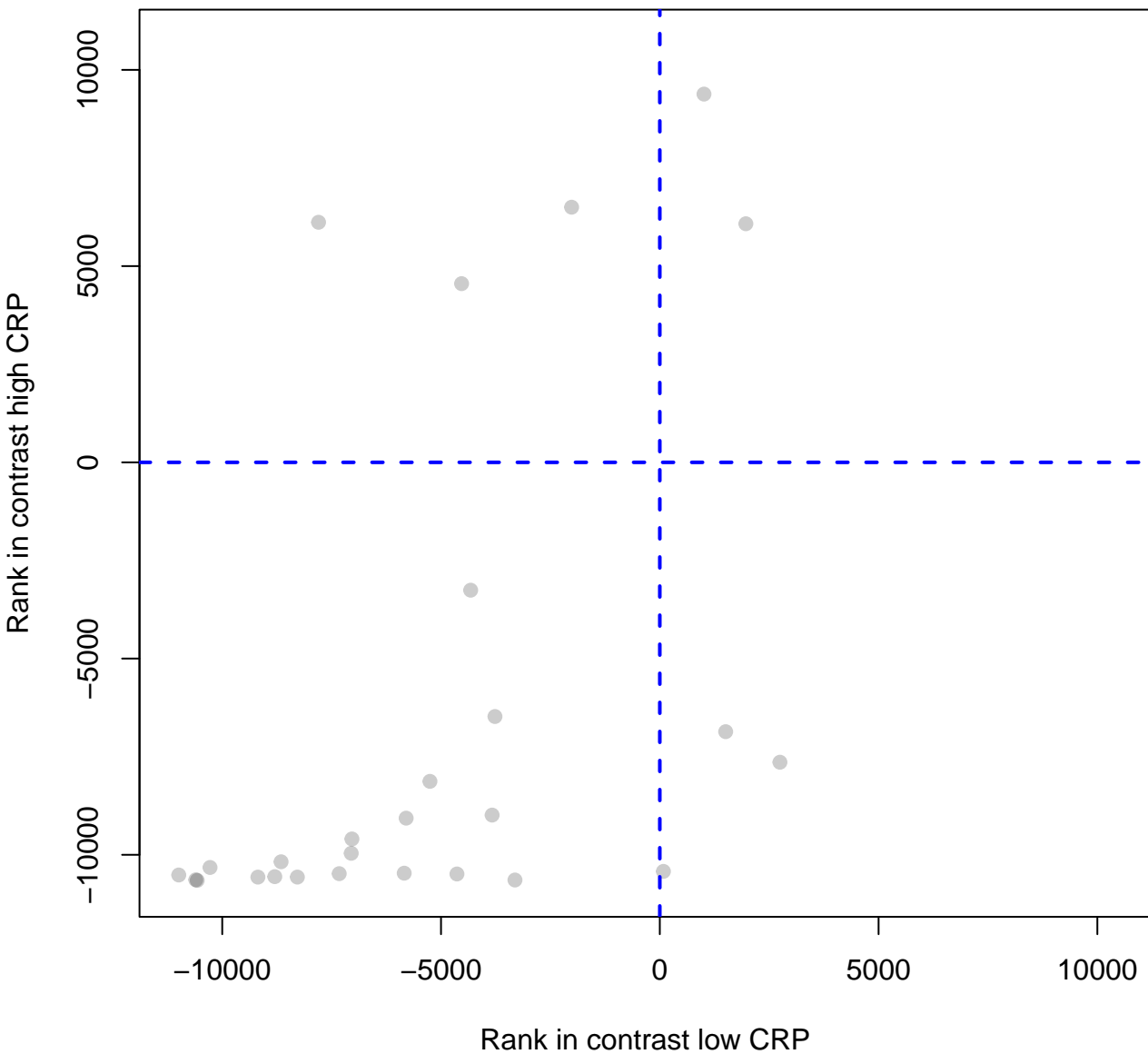
# Neutrophil degranulation



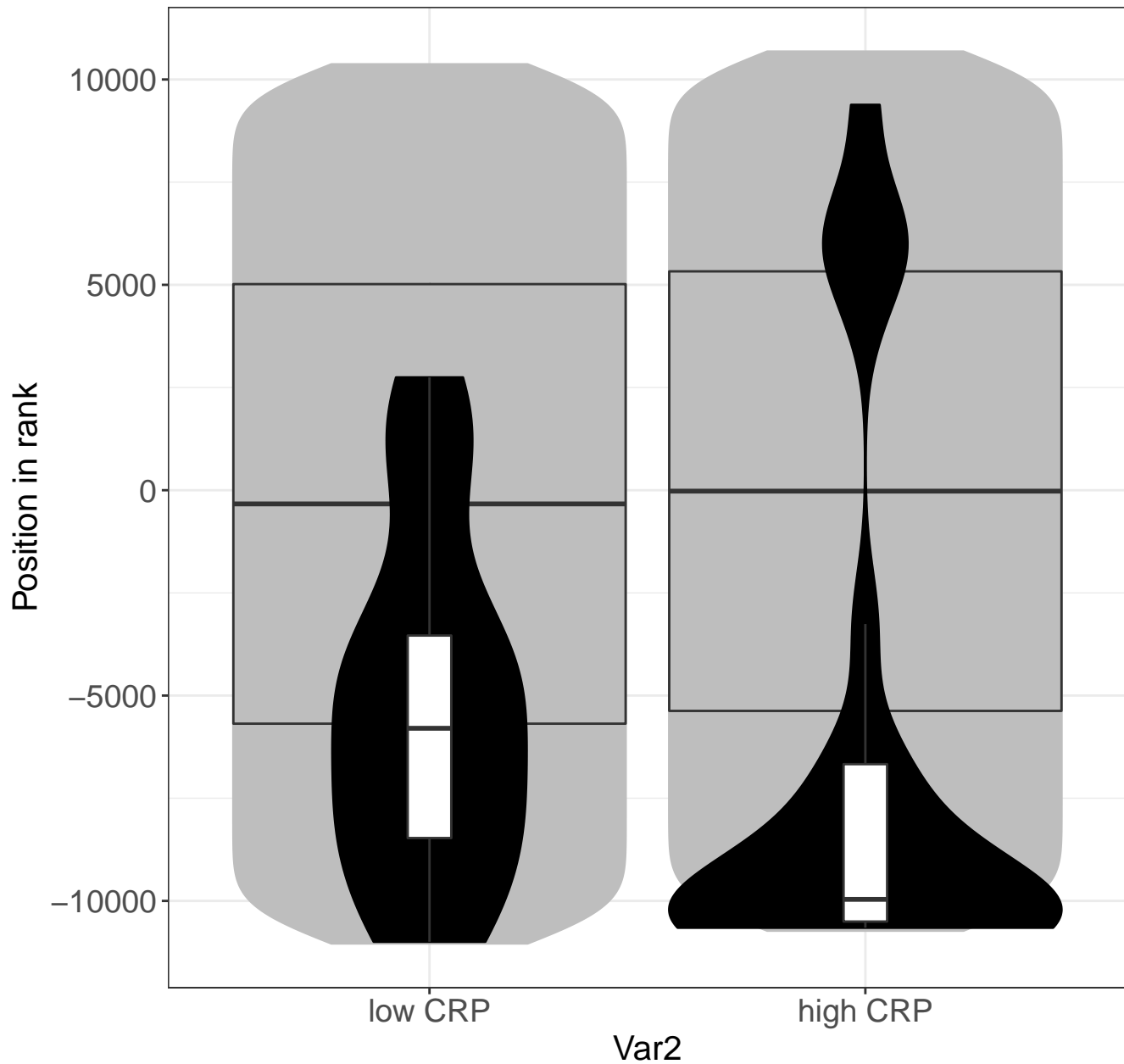
# Phosphorylation of CD3 and TCR zeta chains



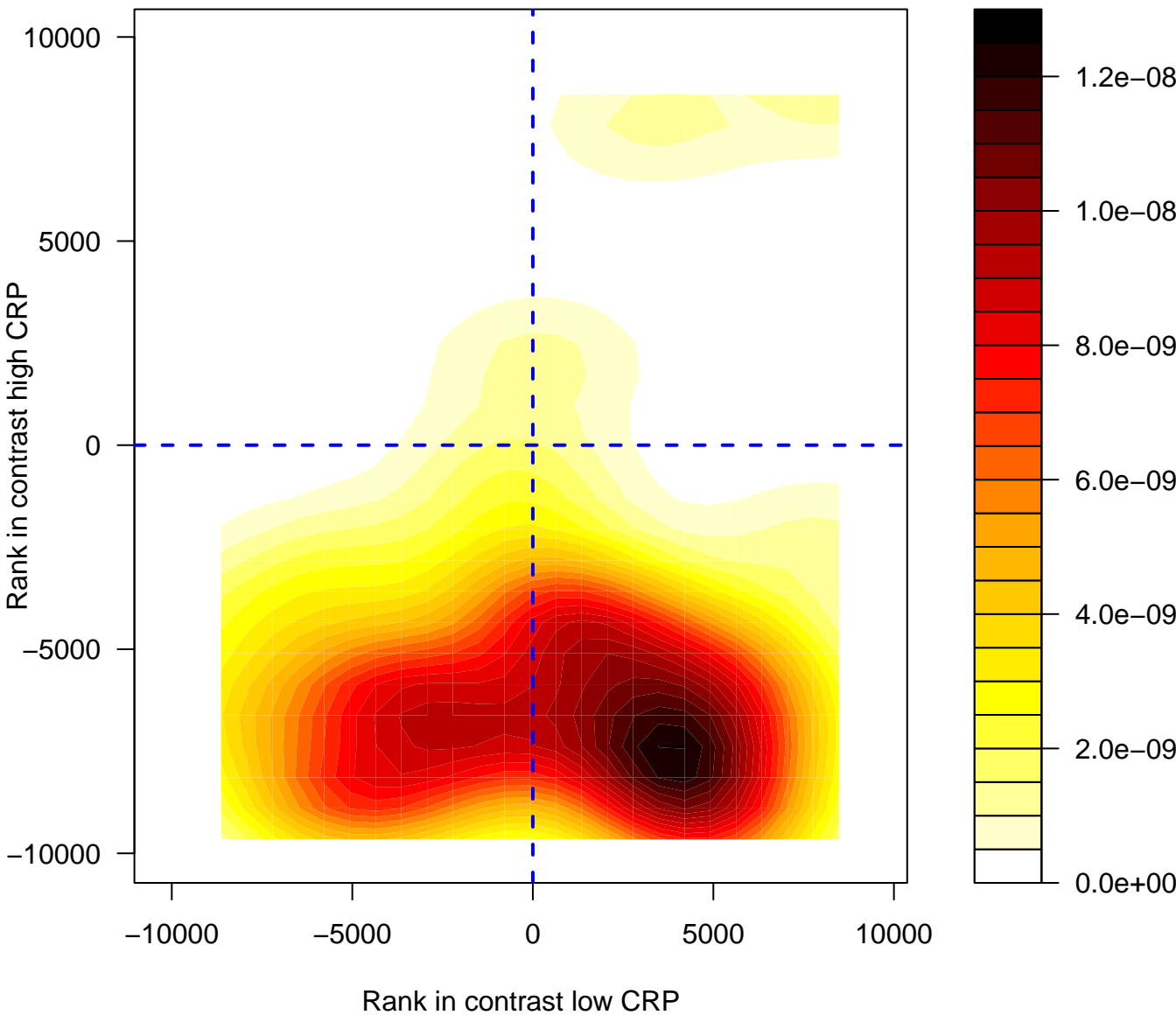
# Phosphorylation of CD3 and TCR zeta chains



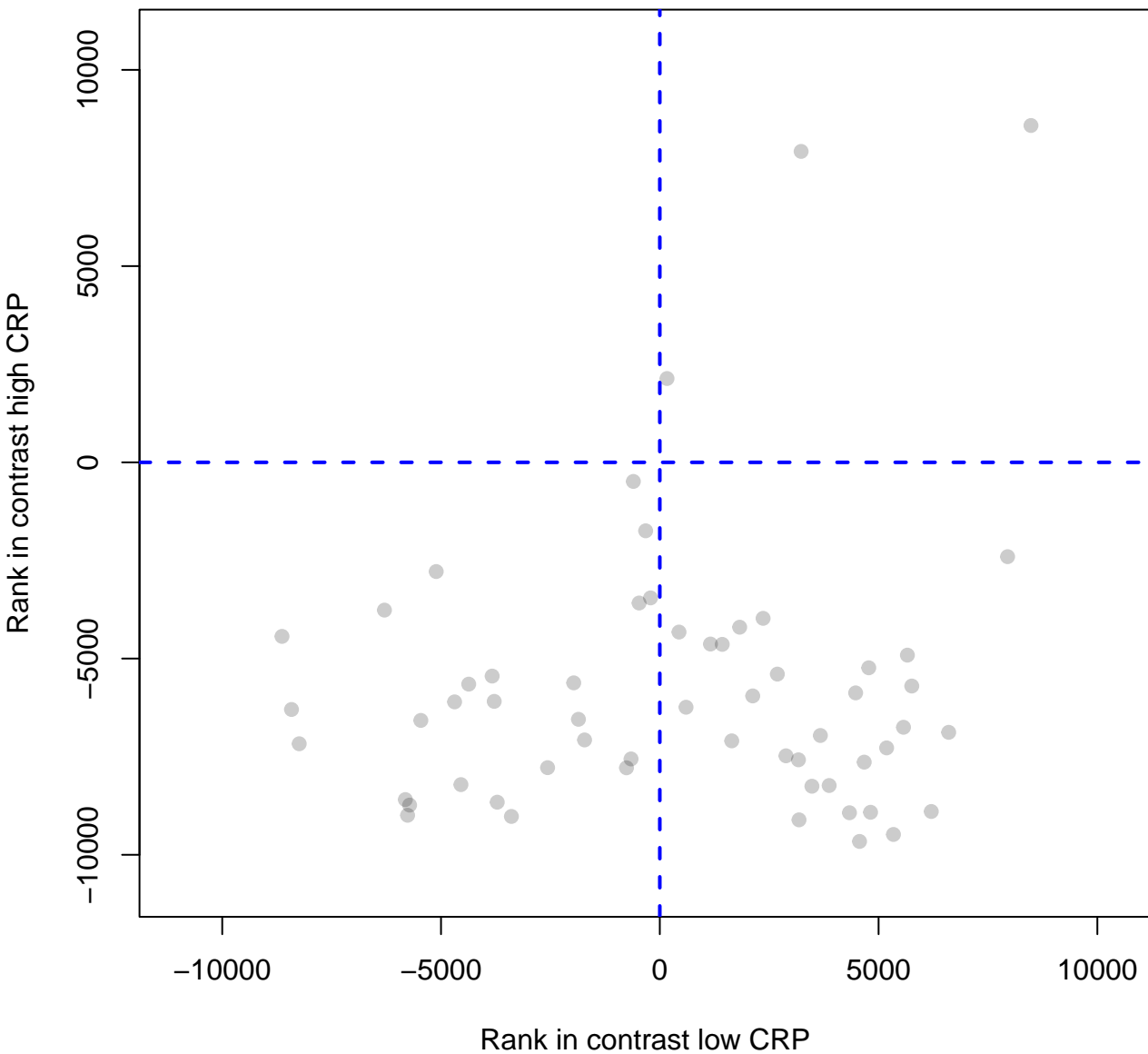
# Phosphorylation of CD3 and TCR zeta chains



# CD22 mediated BCR regulation

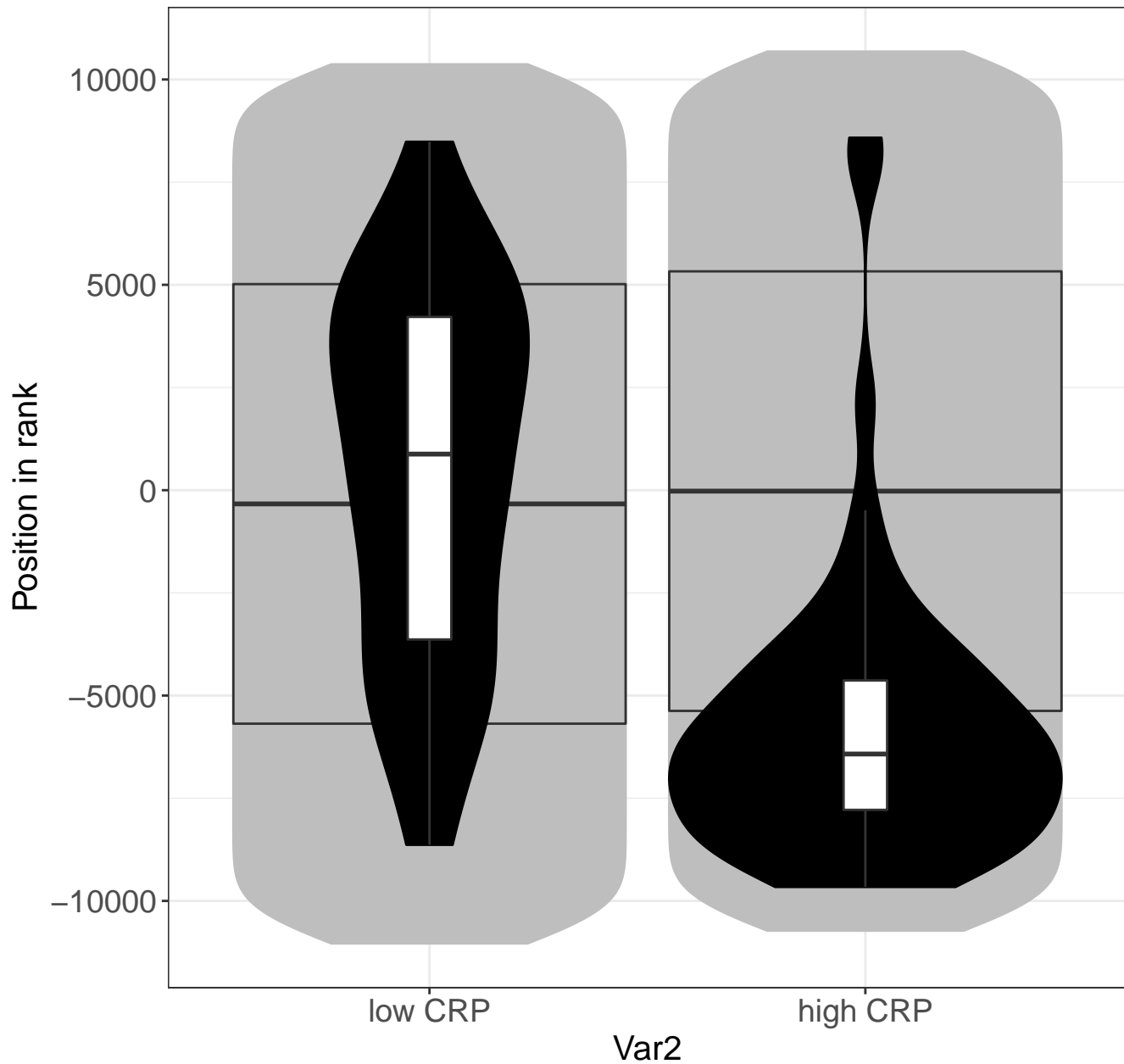


# CD22 mediated BCR regulation

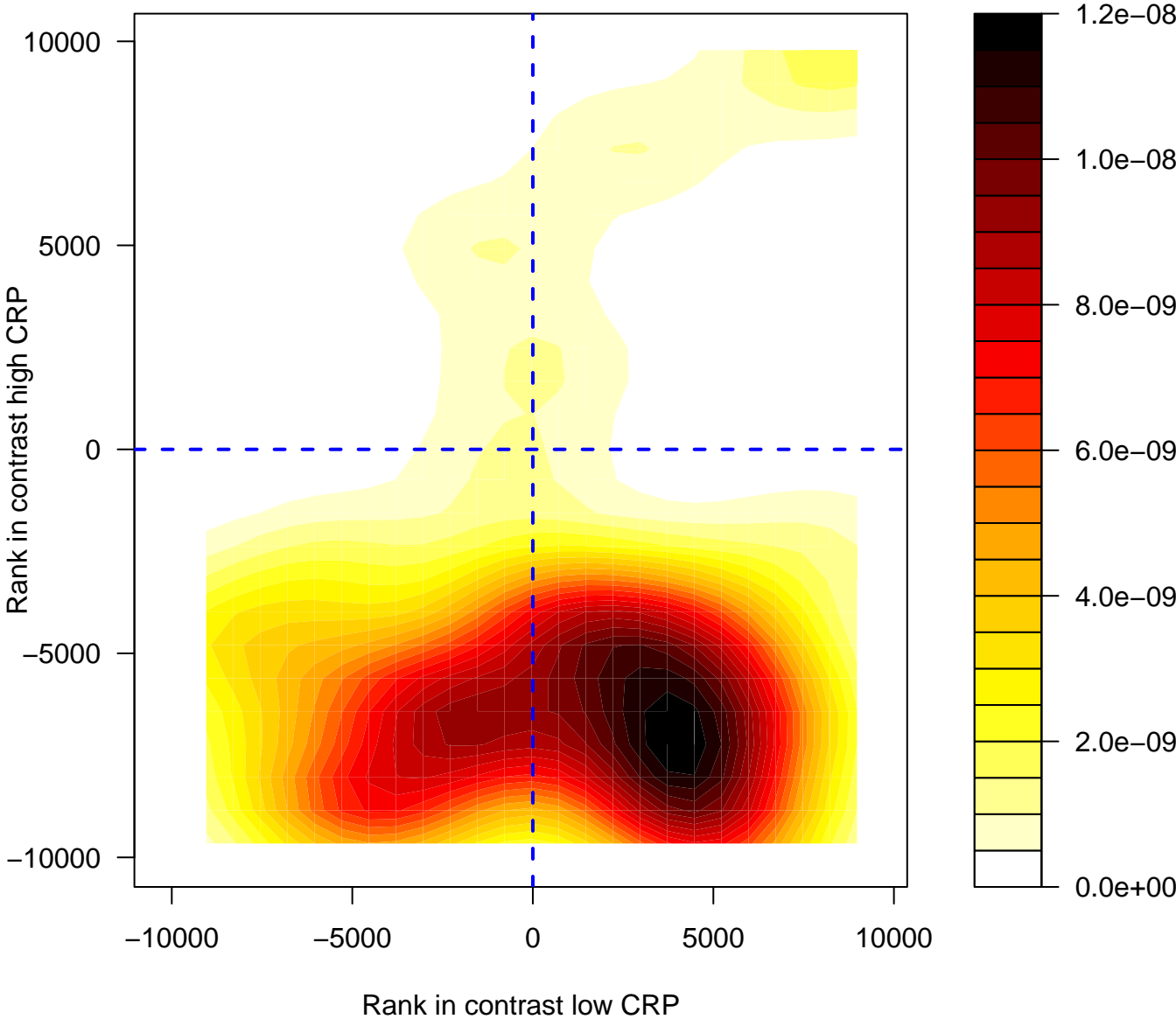




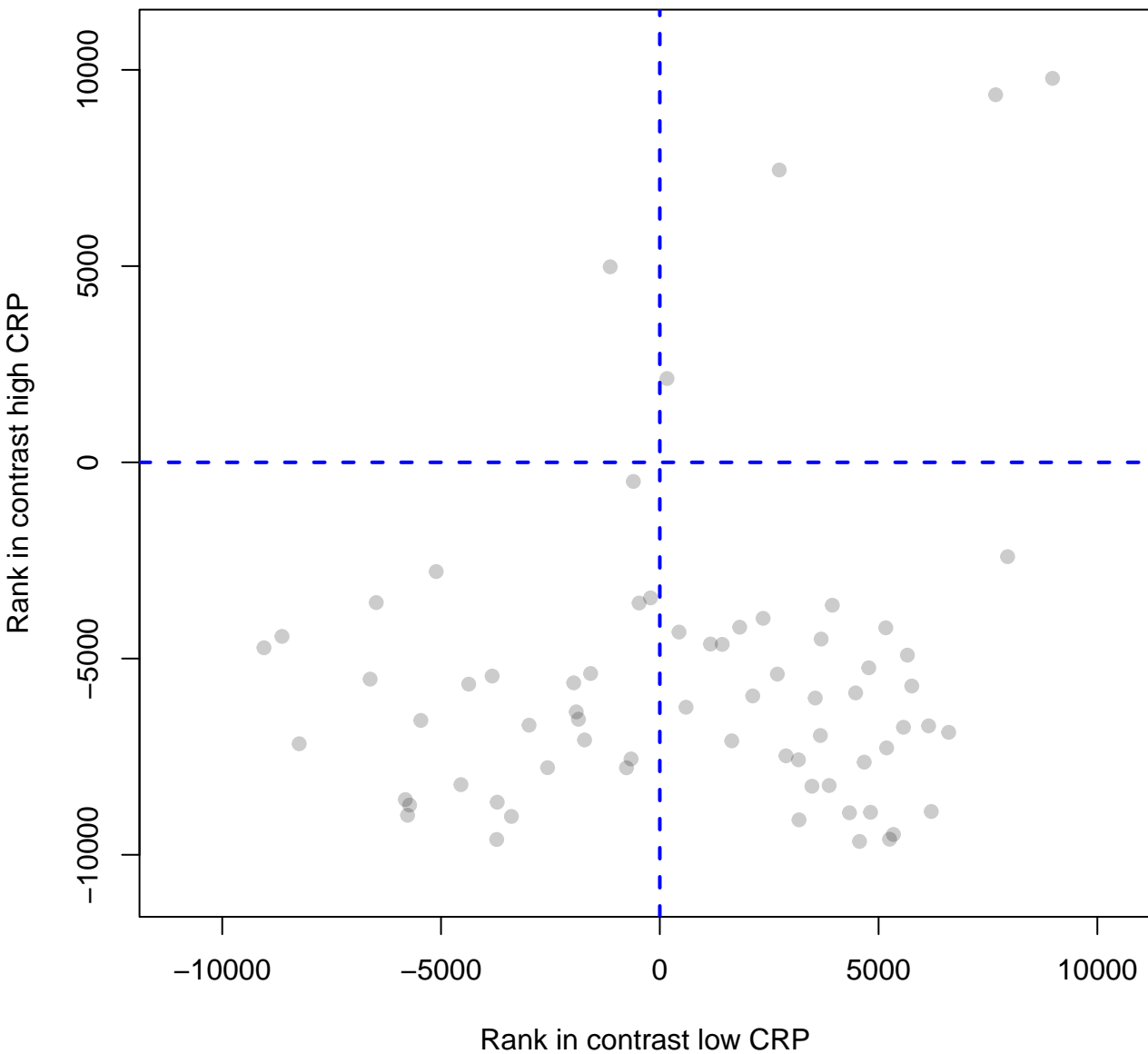
# CD22 mediated BCR regulation



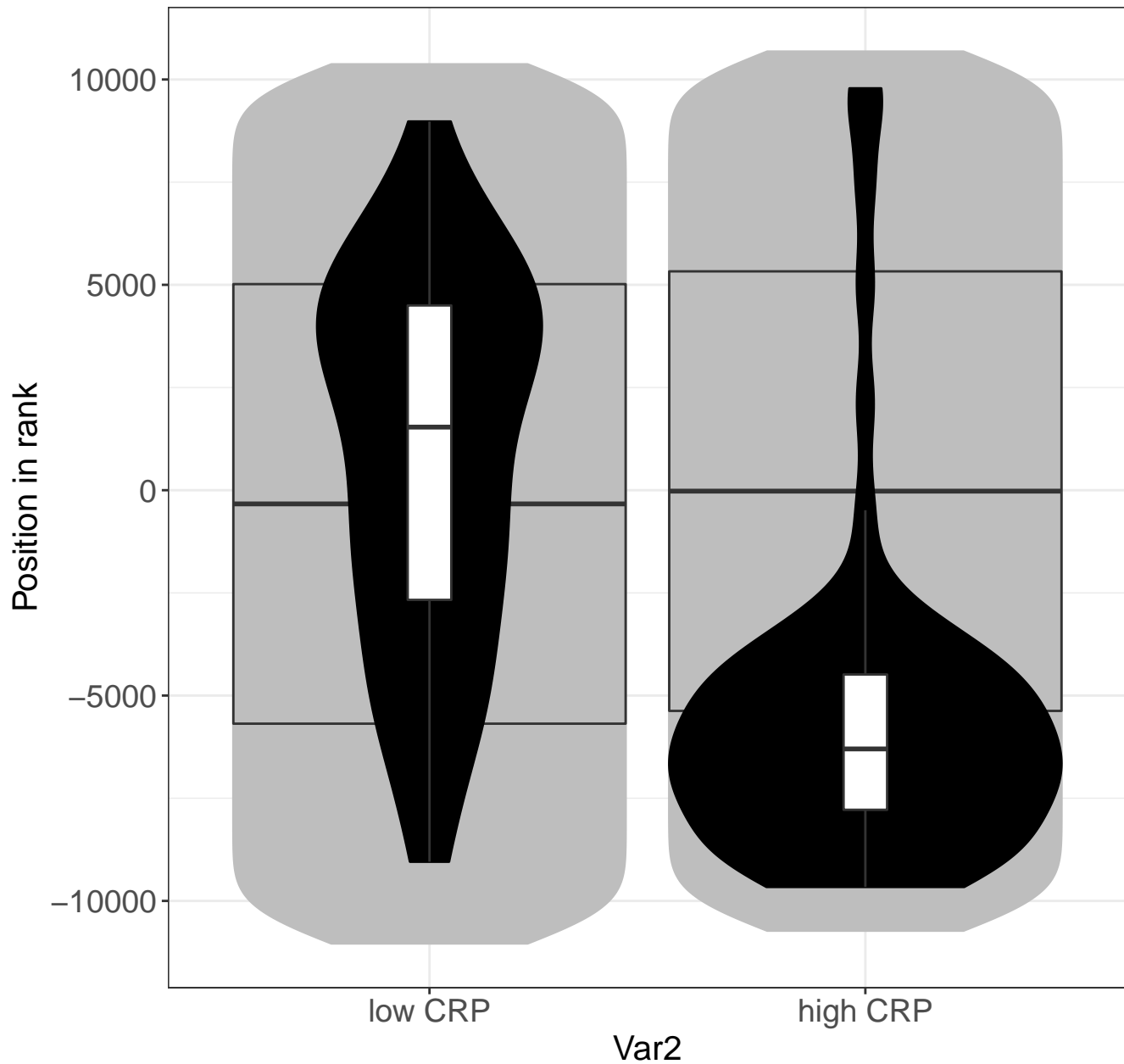
# Classical antibody-mediated complement activation



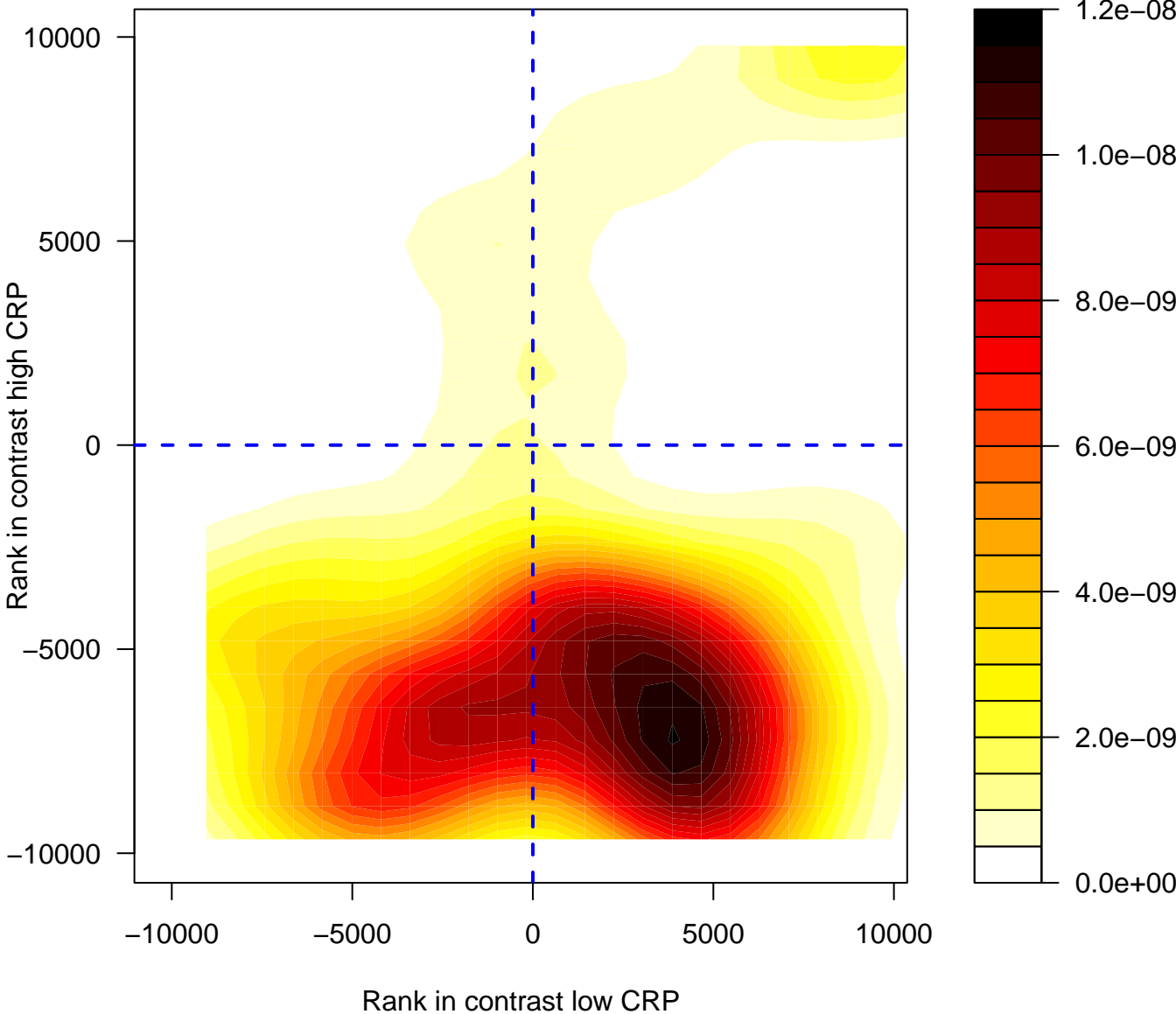
# Classical antibody-mediated complement activation



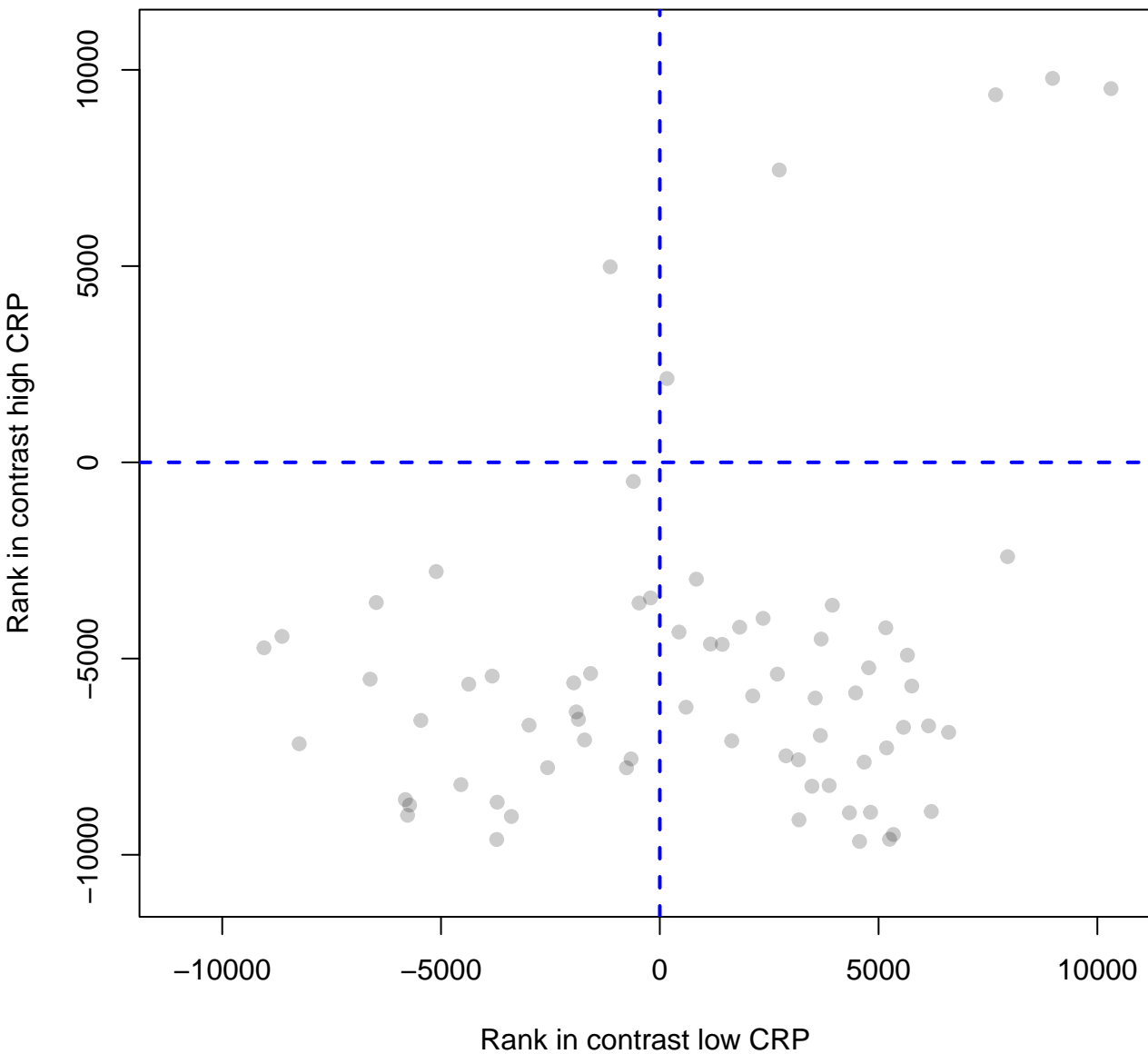
# Classical antibody-mediated complement activation



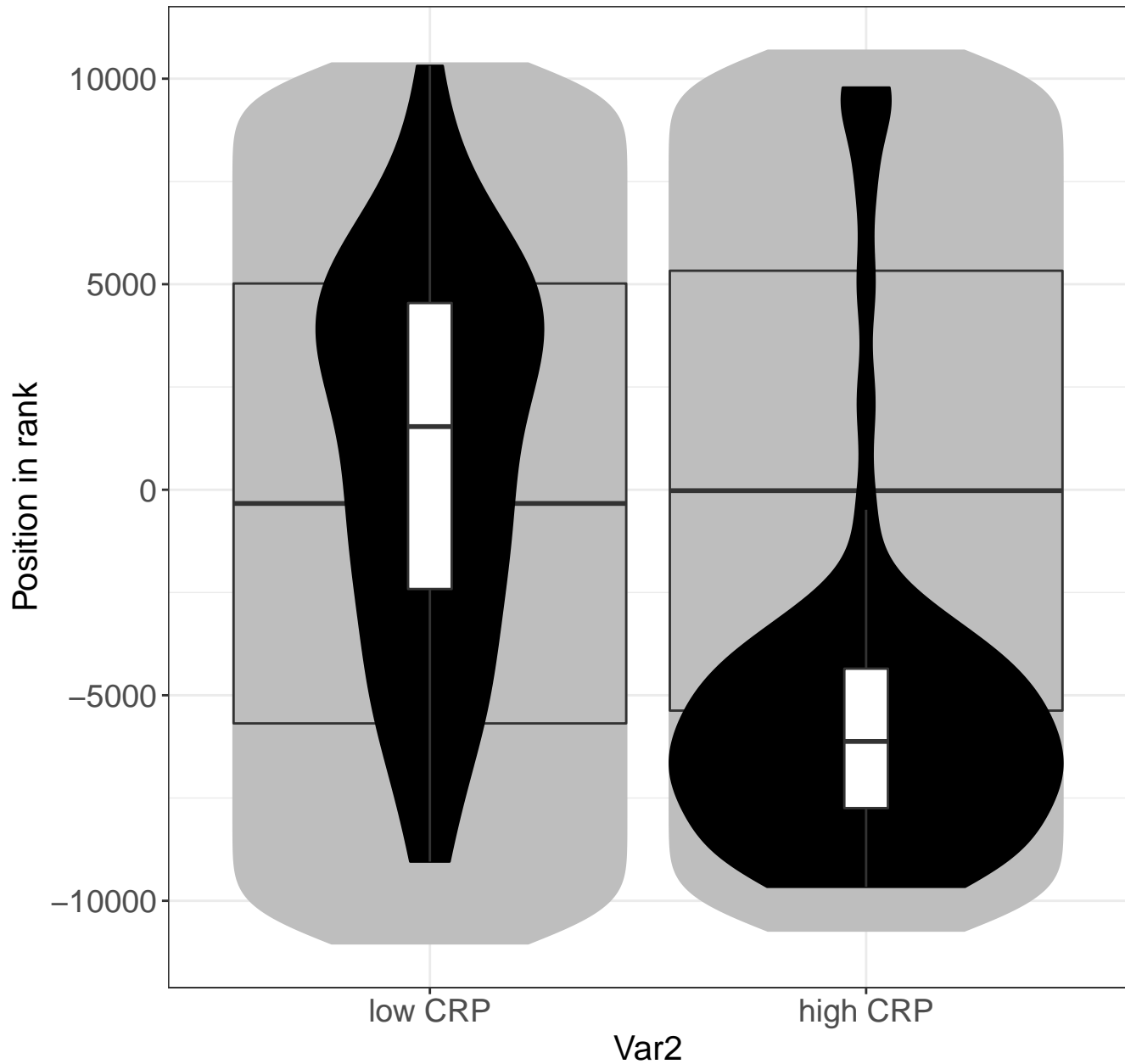
# Creation of C4 and C2 activators



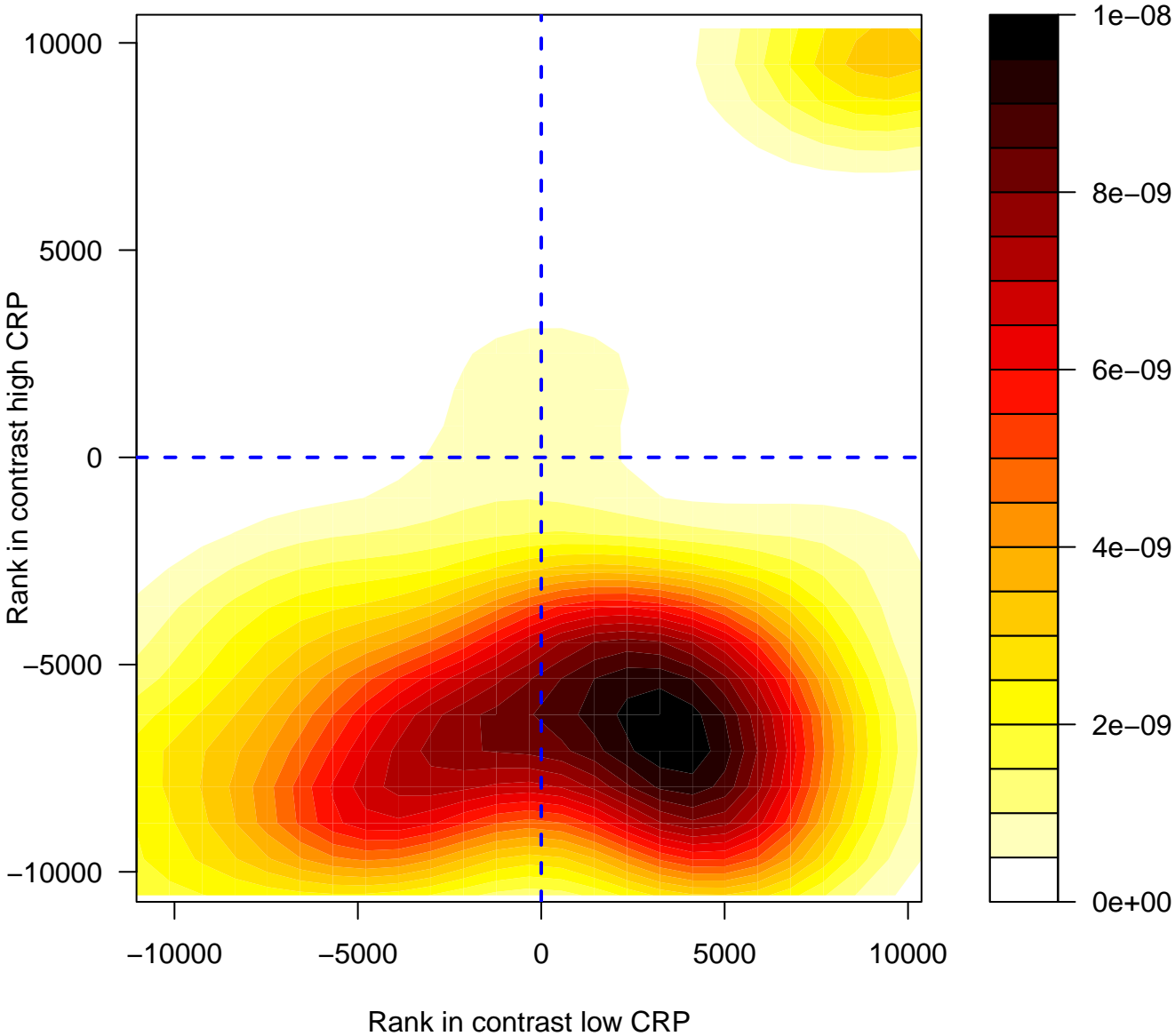
## Creation of C4 and C2 activators



# Creation of C4 and C2 activators



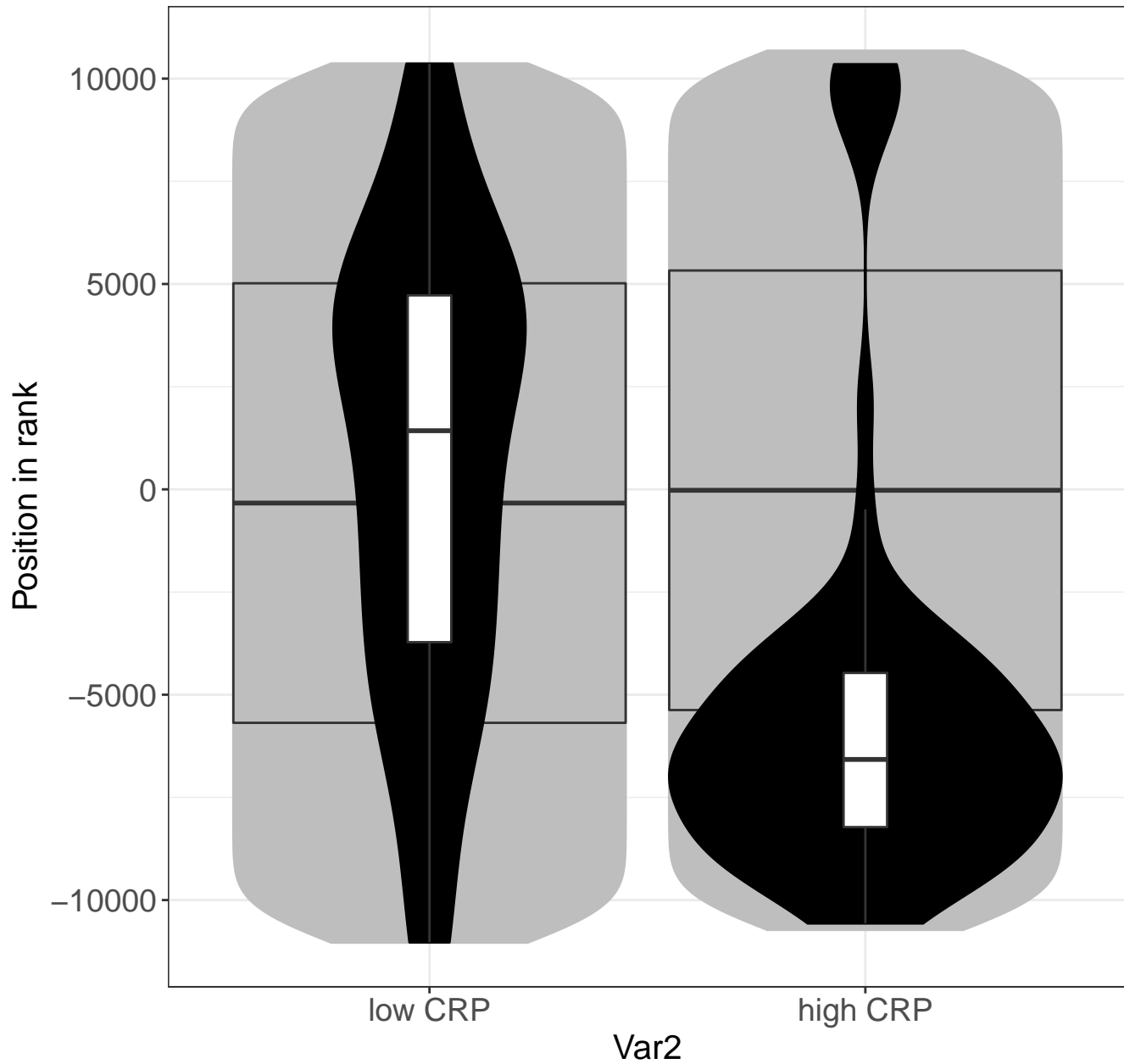
# FCGR activation



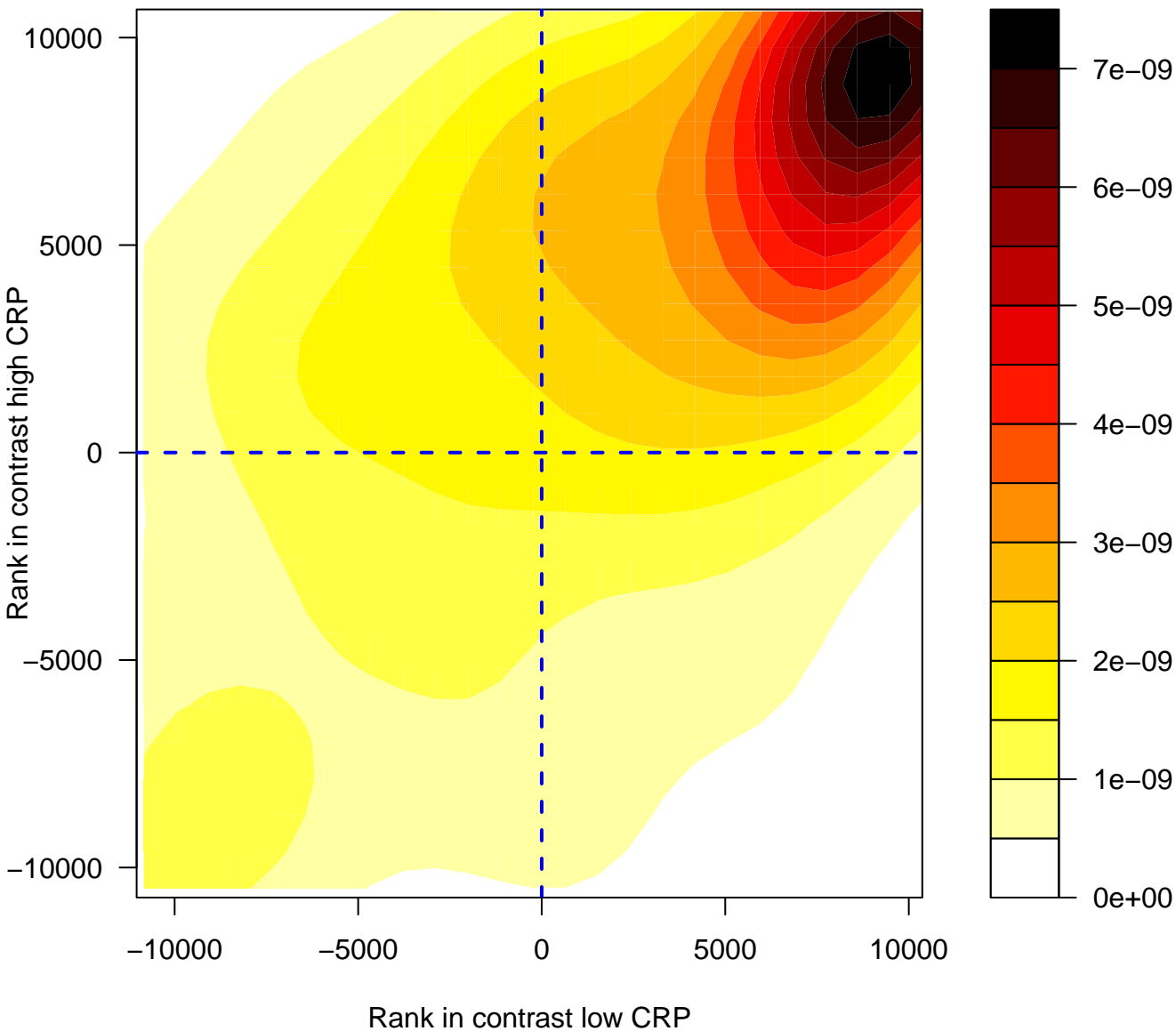




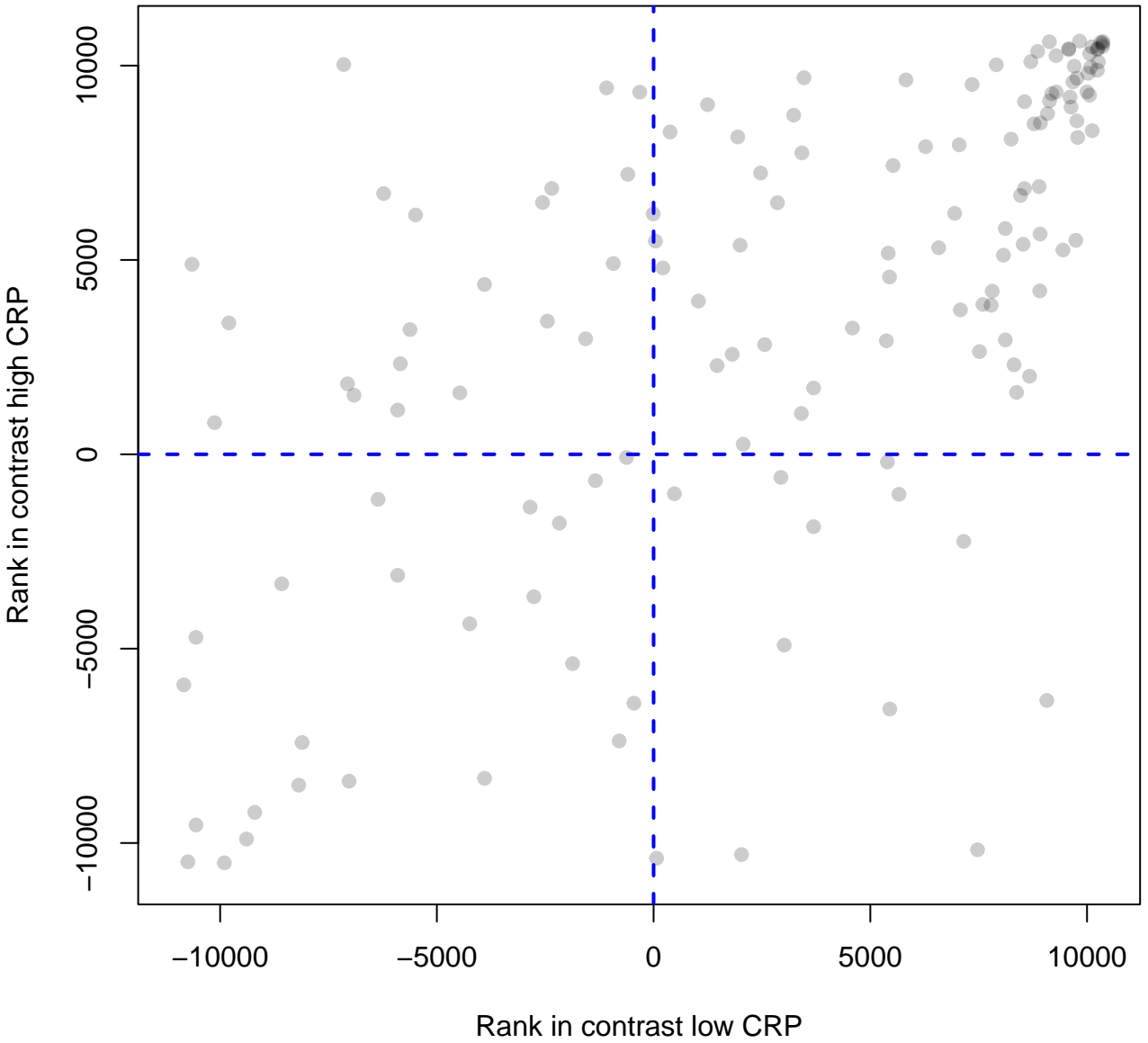
# FCGR activation



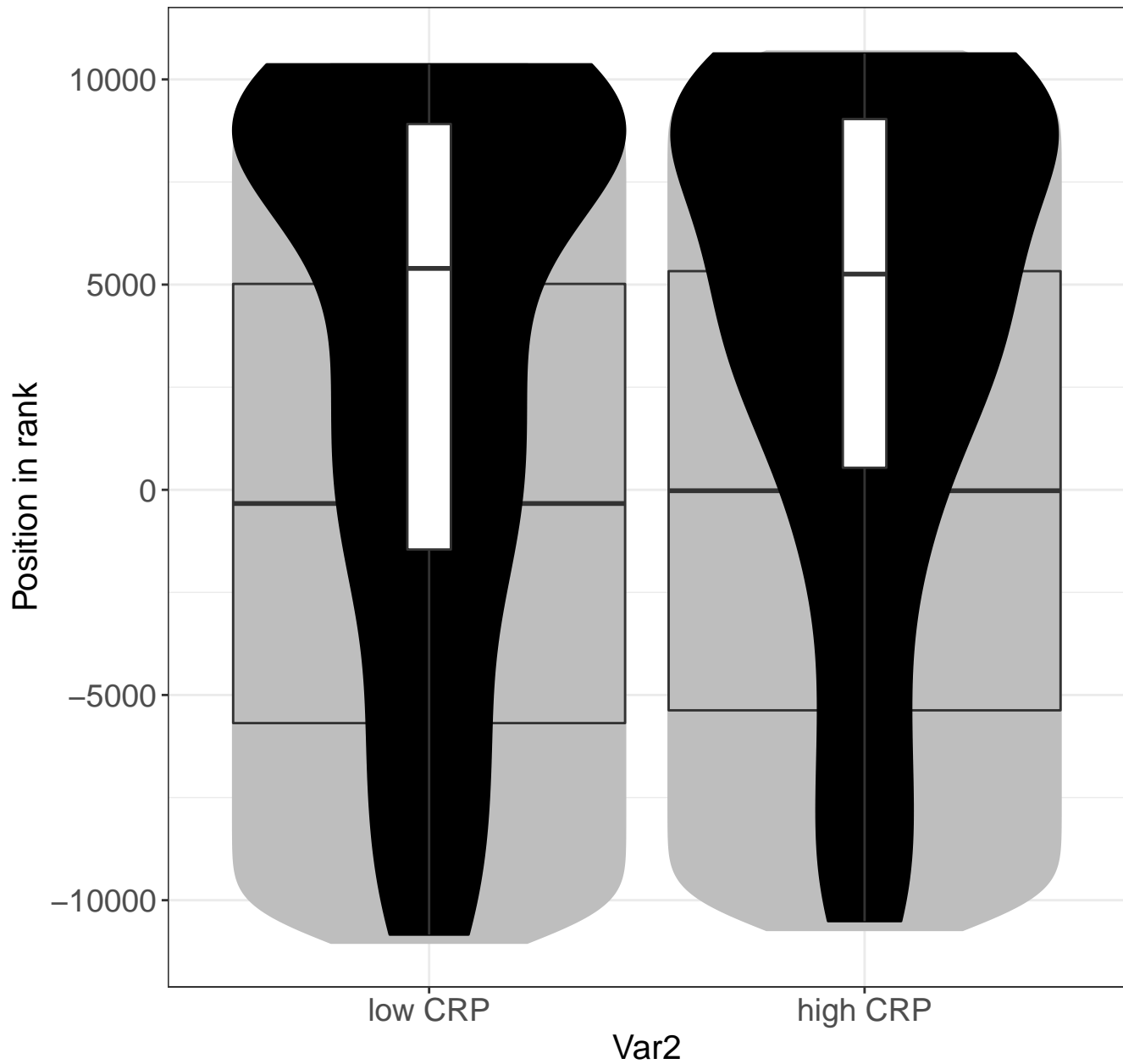
# Toll-like Receptor Cascades



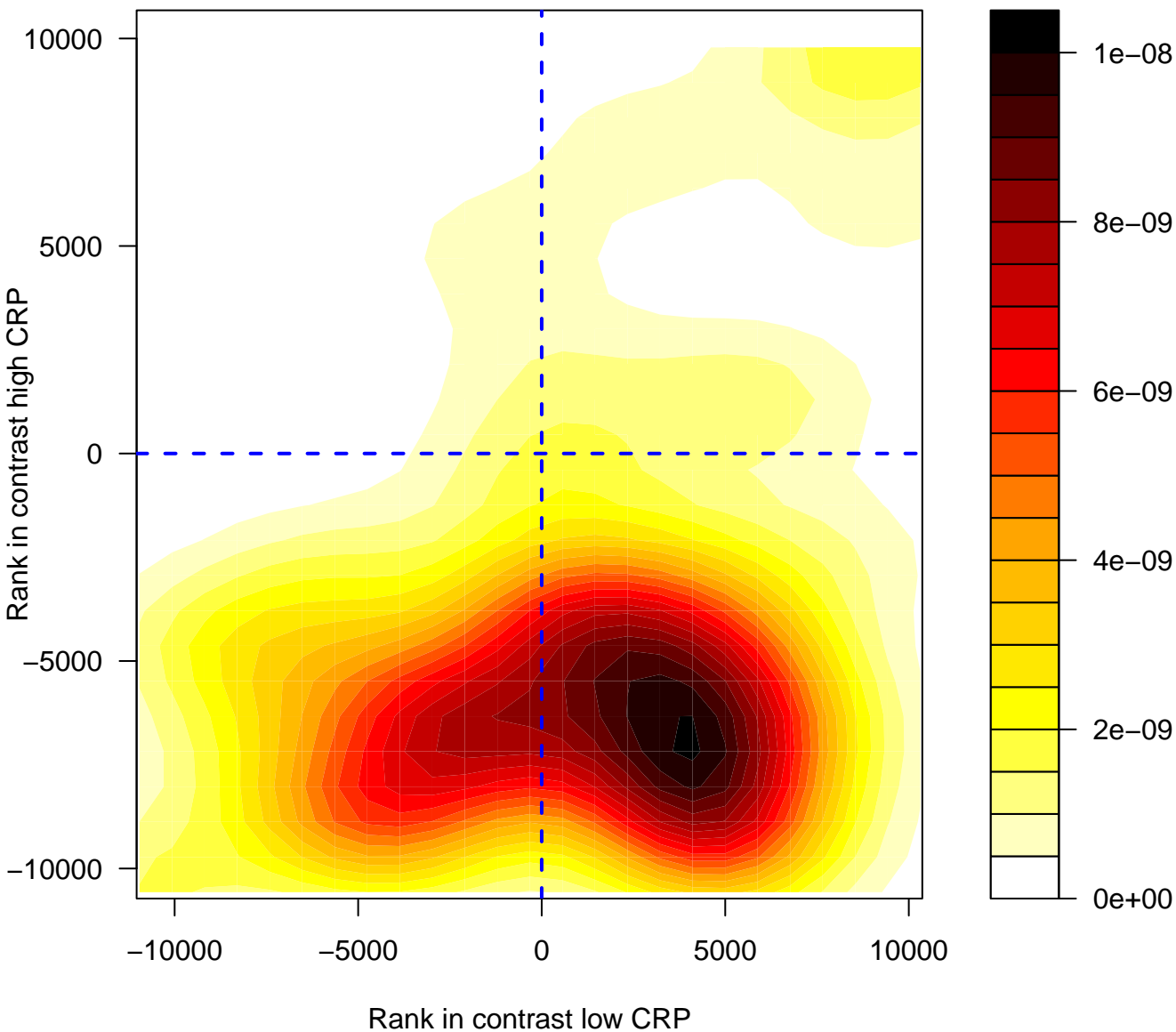
# Toll-like Receptor Cascades



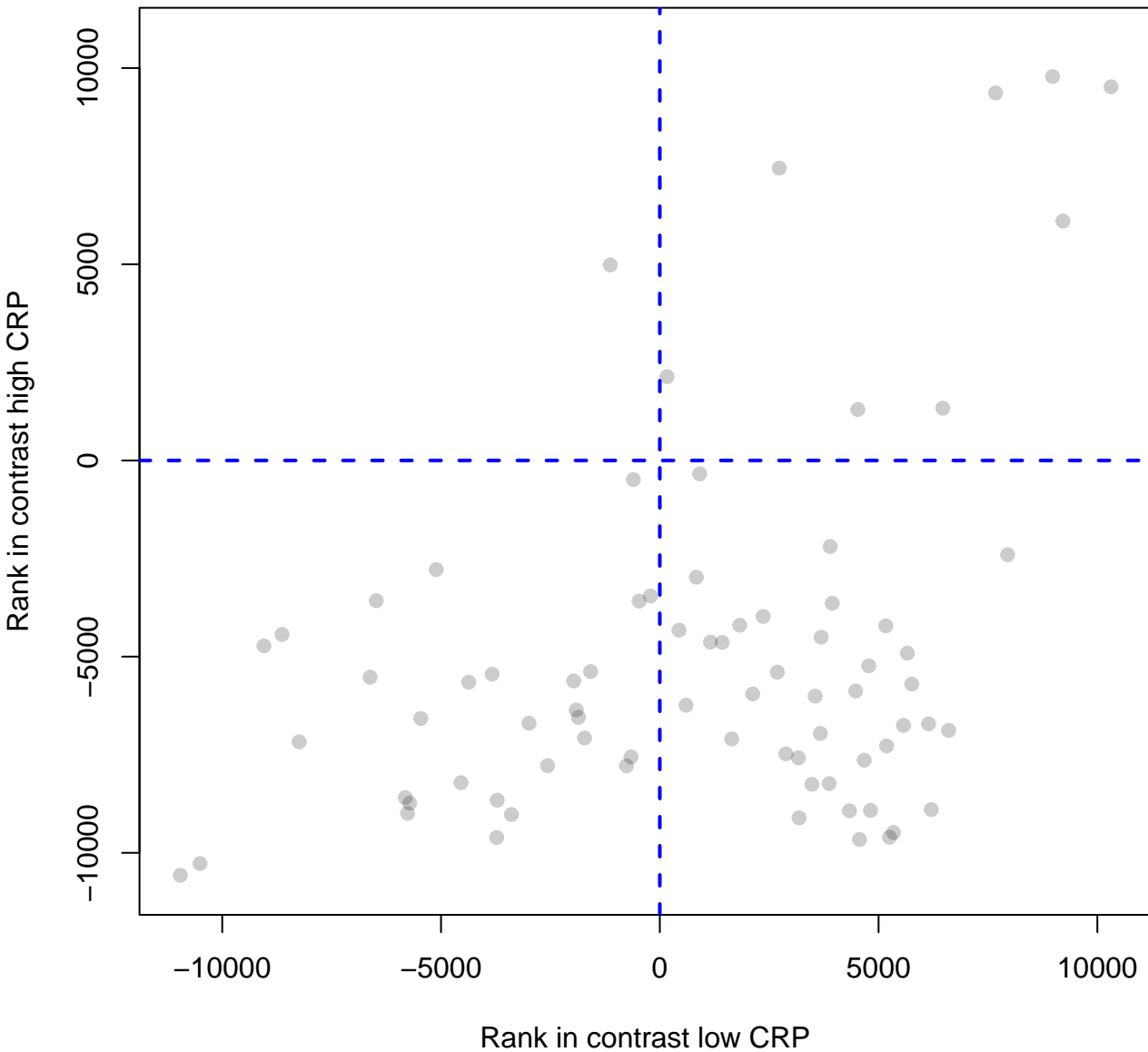
# Toll-like Receptor Cascades



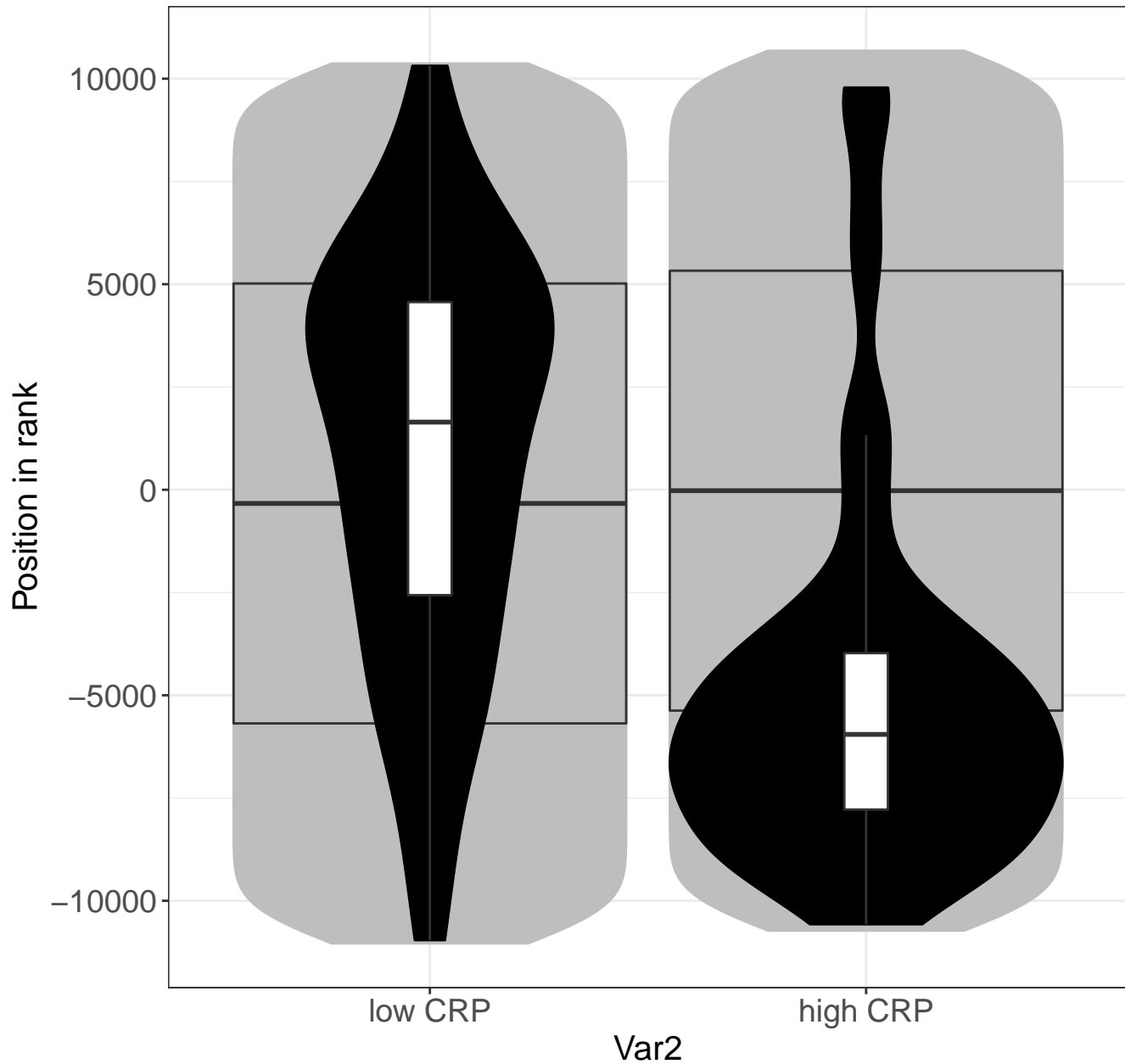
# Initial triggering of complement



# Initial triggering of complement

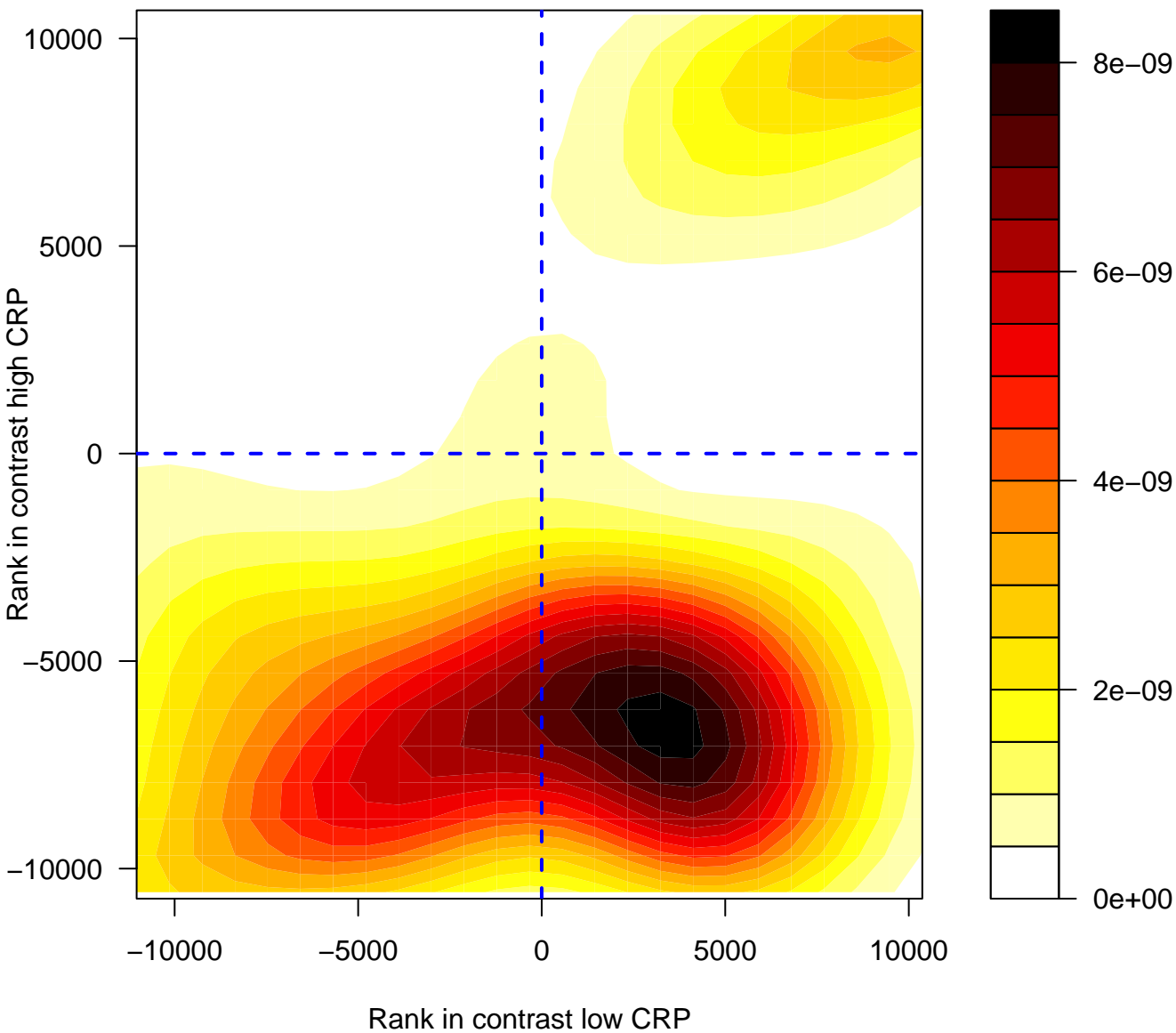


# Initial triggering of complement



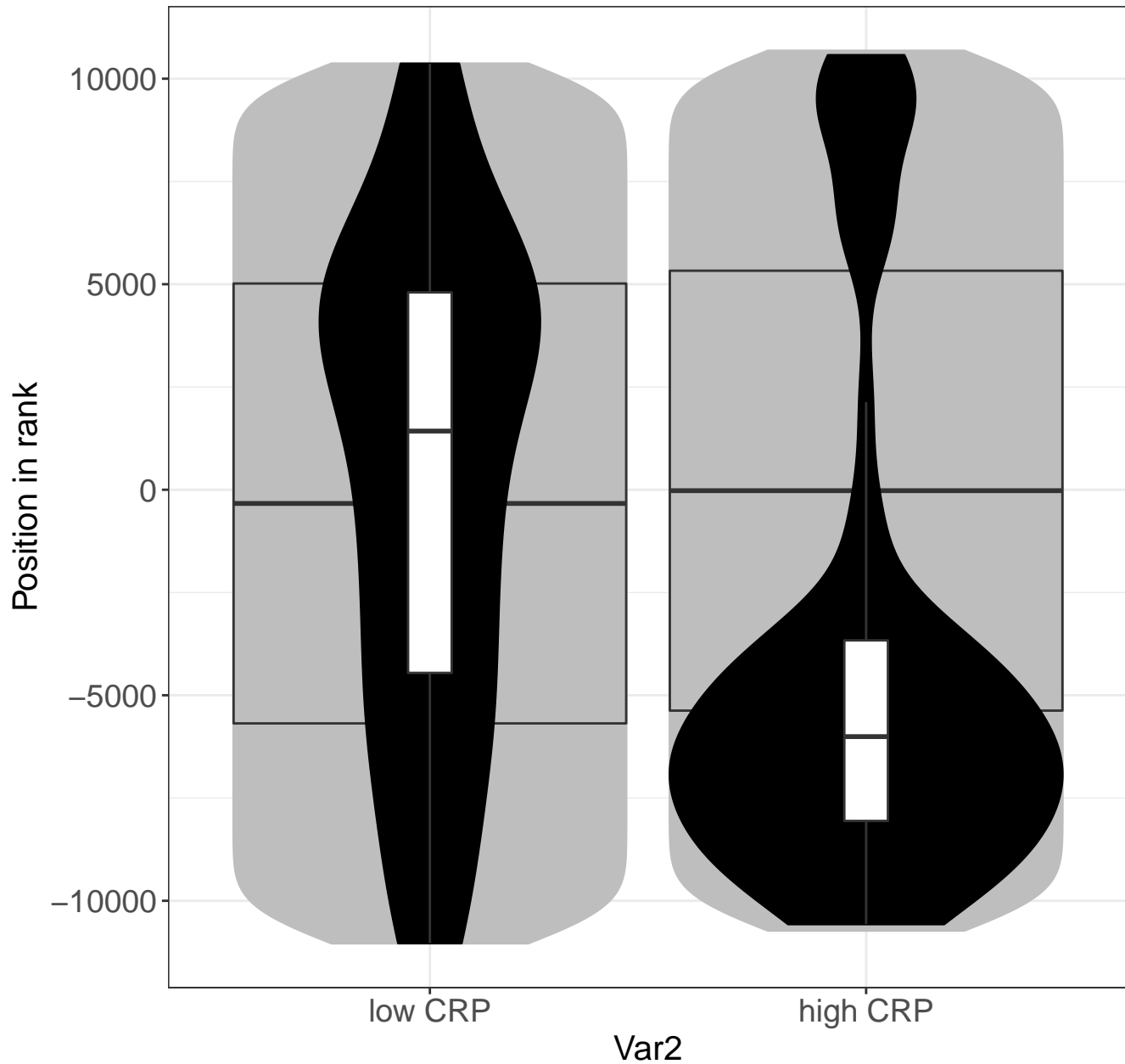


# Role of phospholipids in phagocytosis

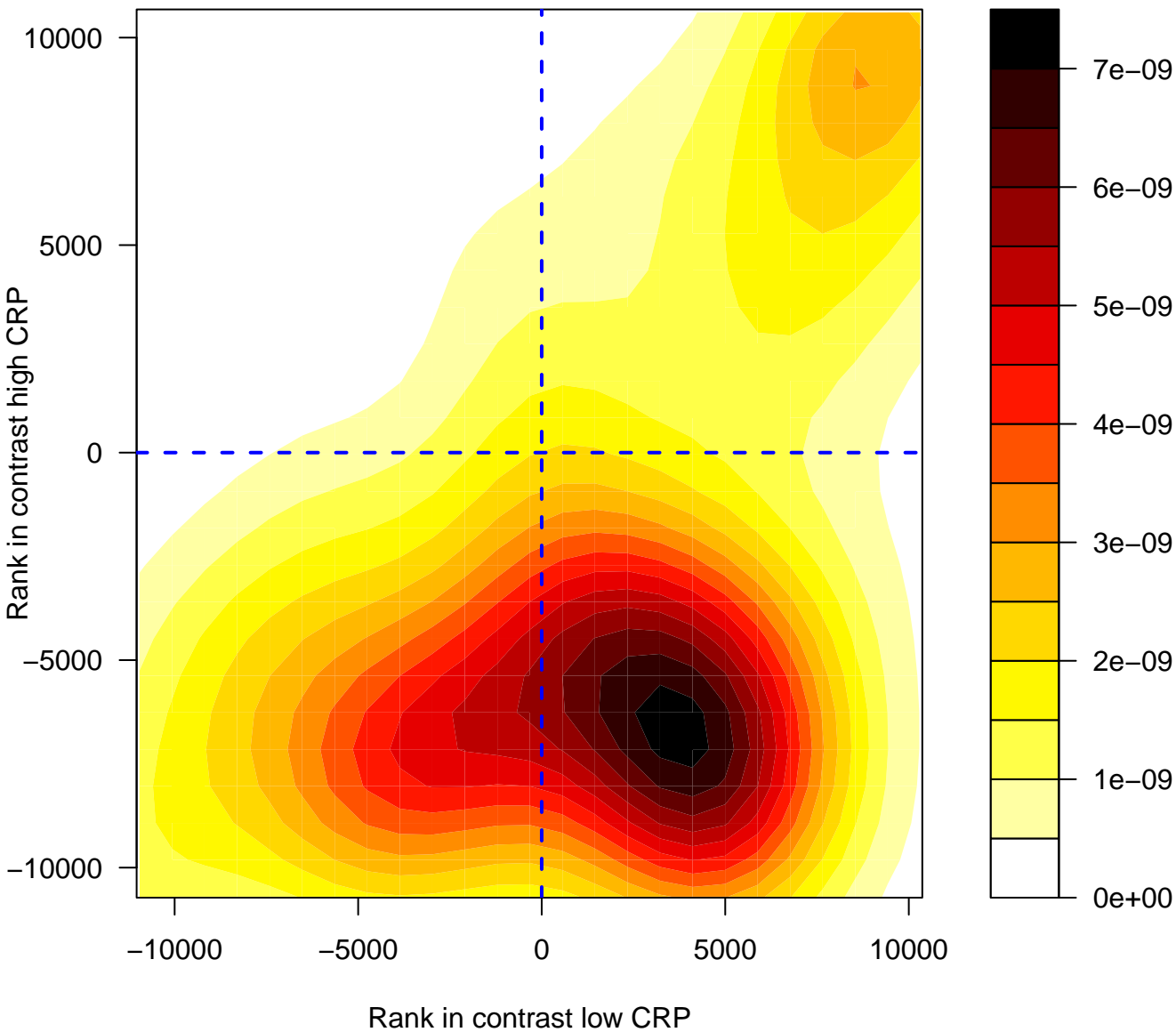




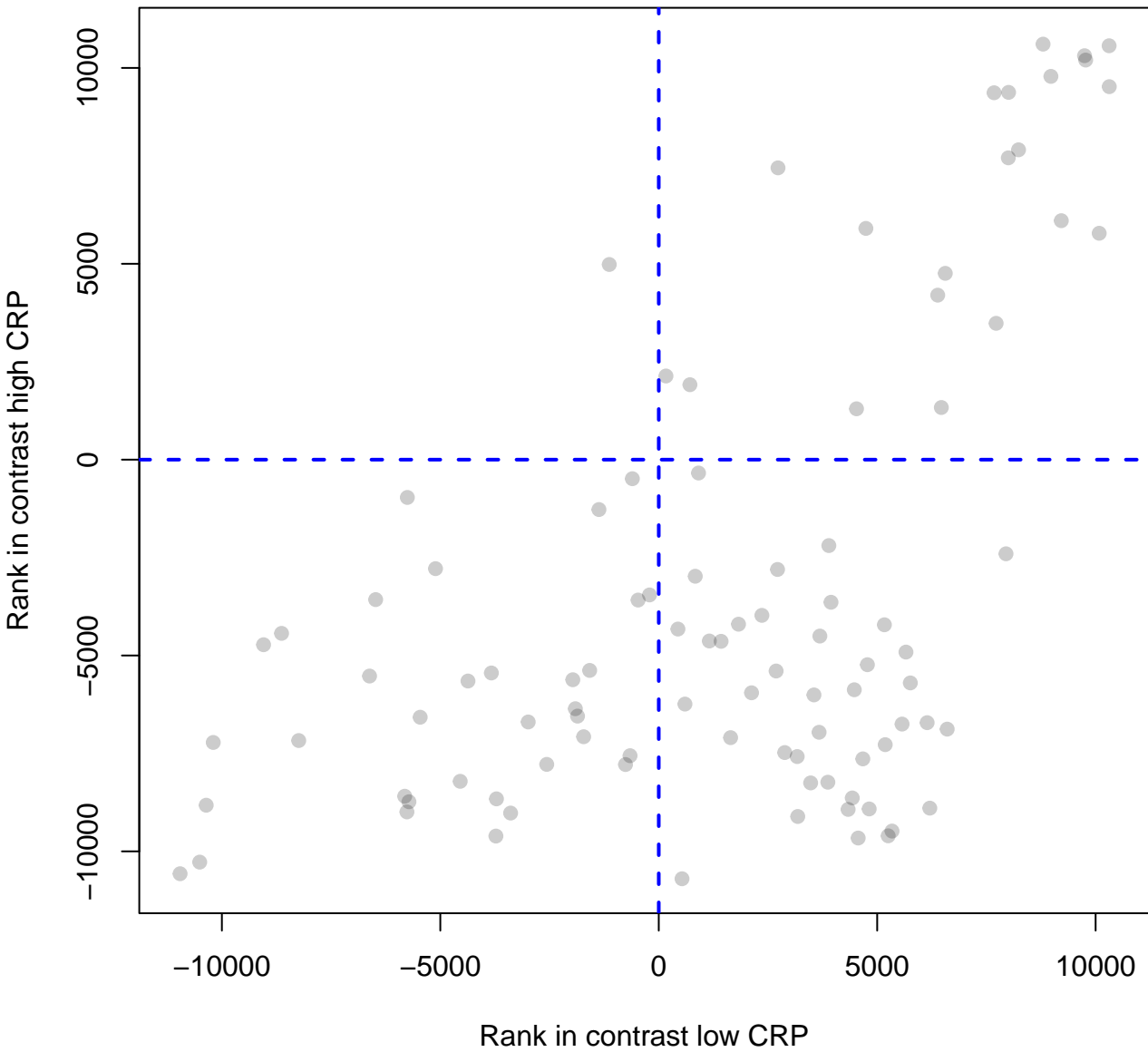
# Role of phospholipids in phagocytosis



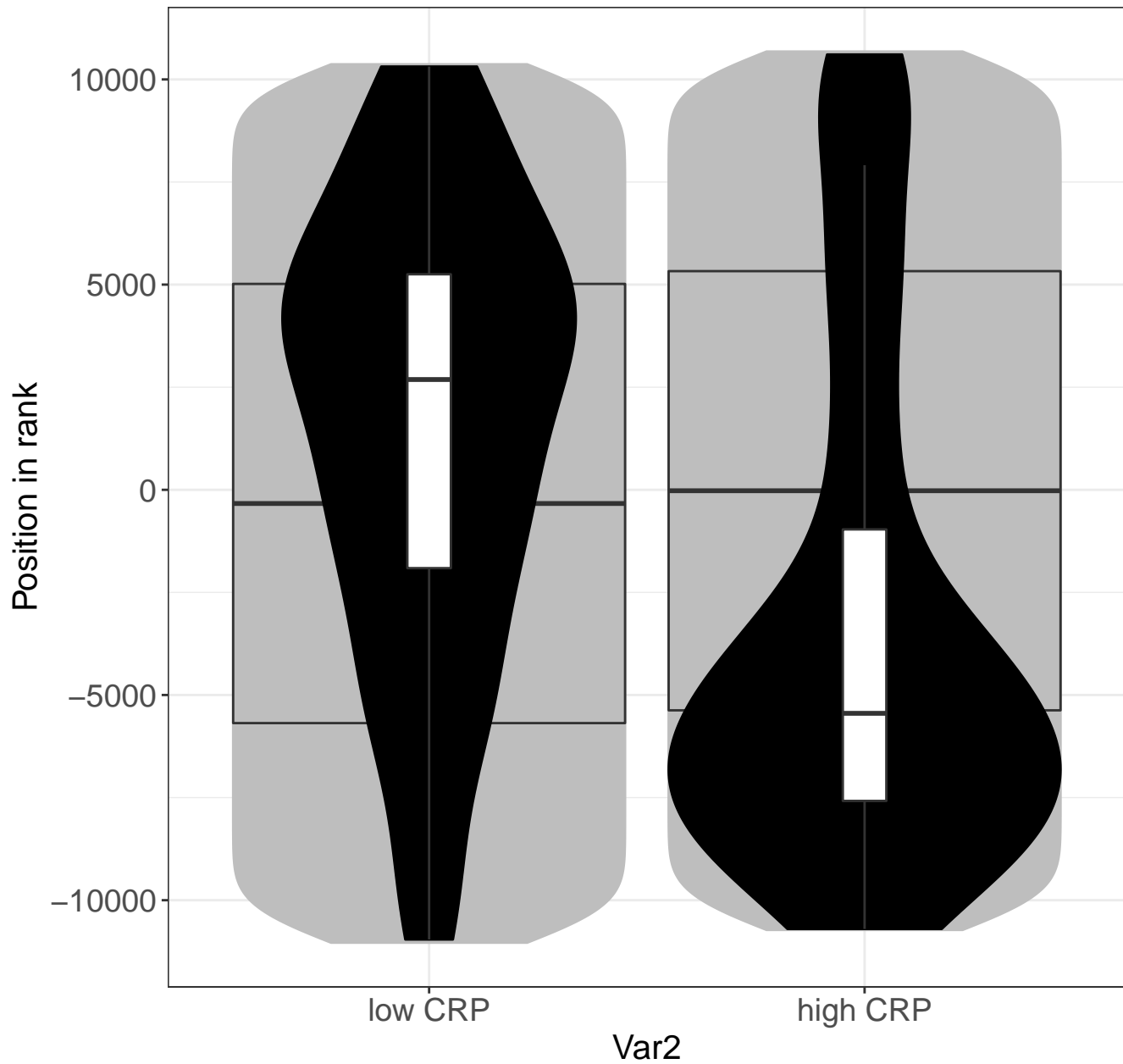
# Complement cascade



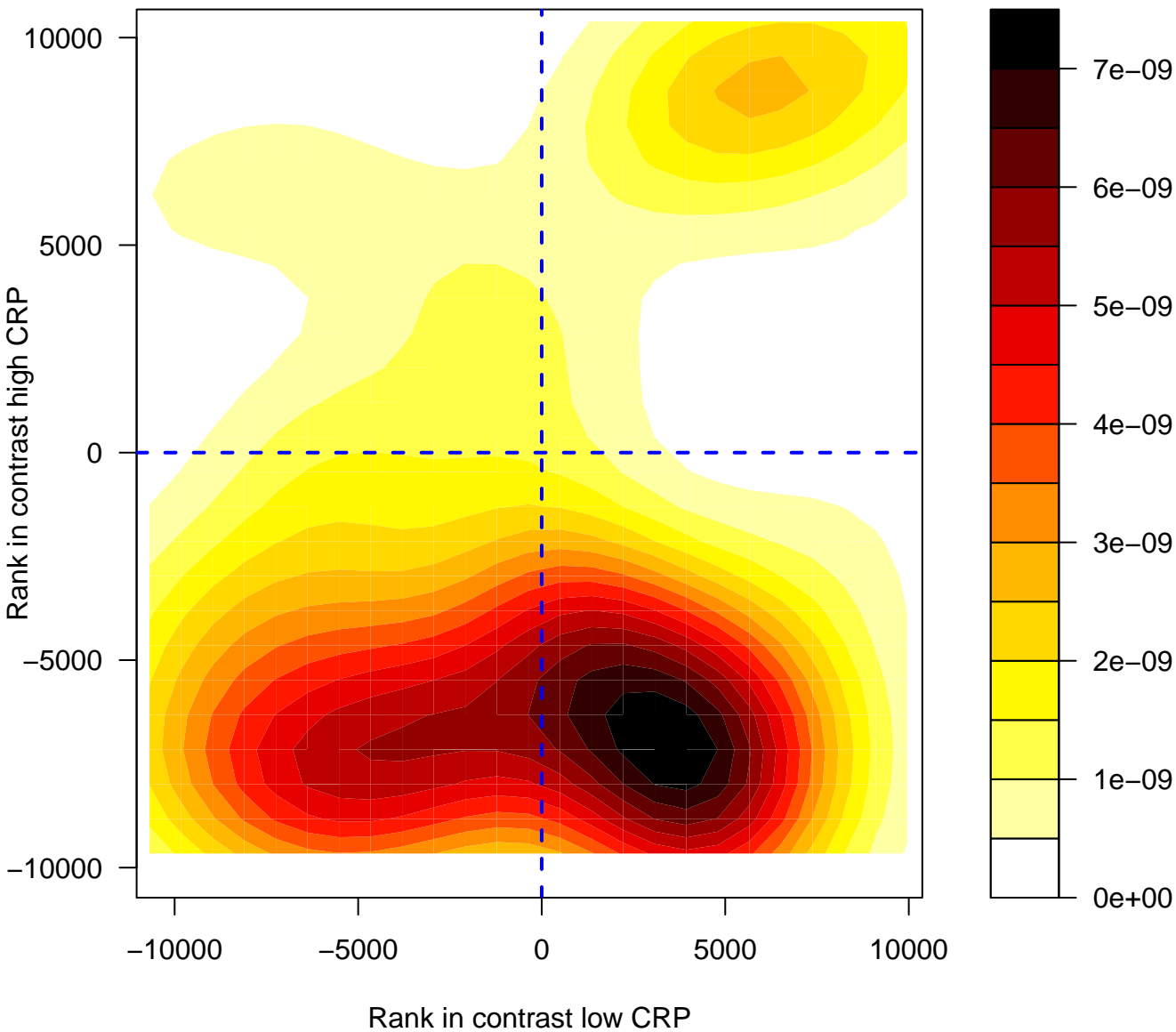
# Complement cascade



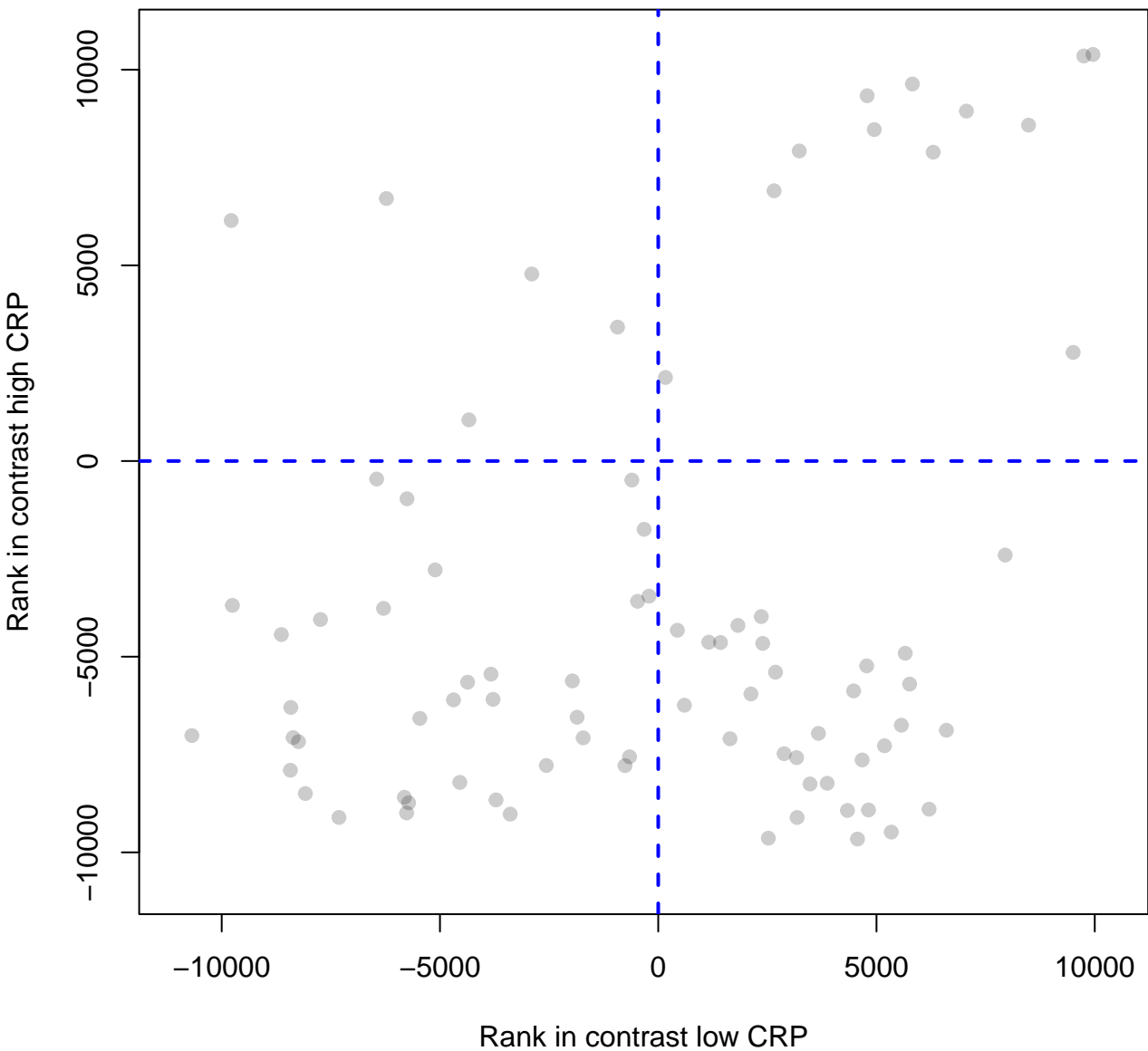
# Complement cascade



# activates B Cell Receptor (BCR) leading to generation of seco

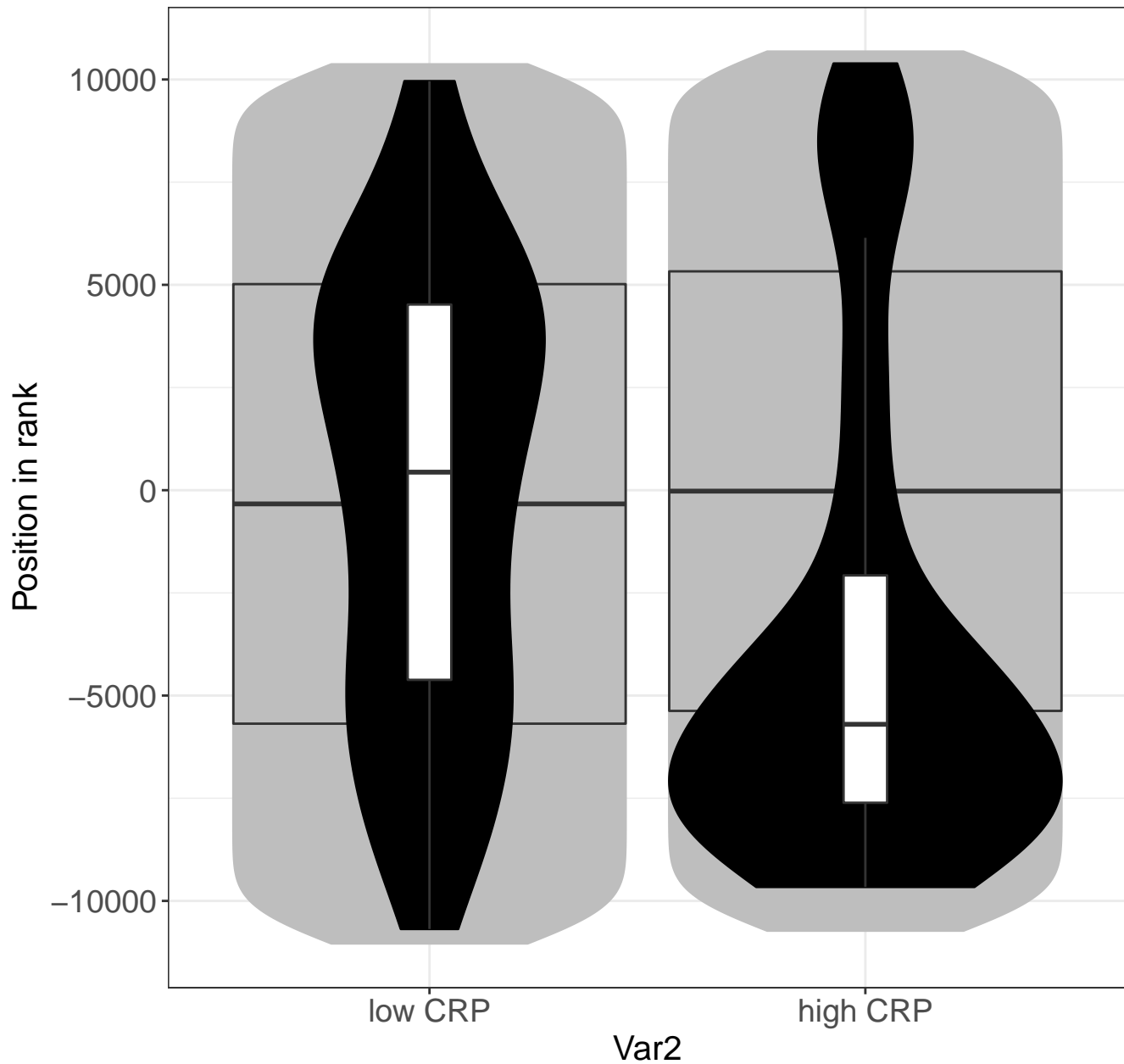


antigen activates B Cell Receptor (BCR) leading to generation of second mess

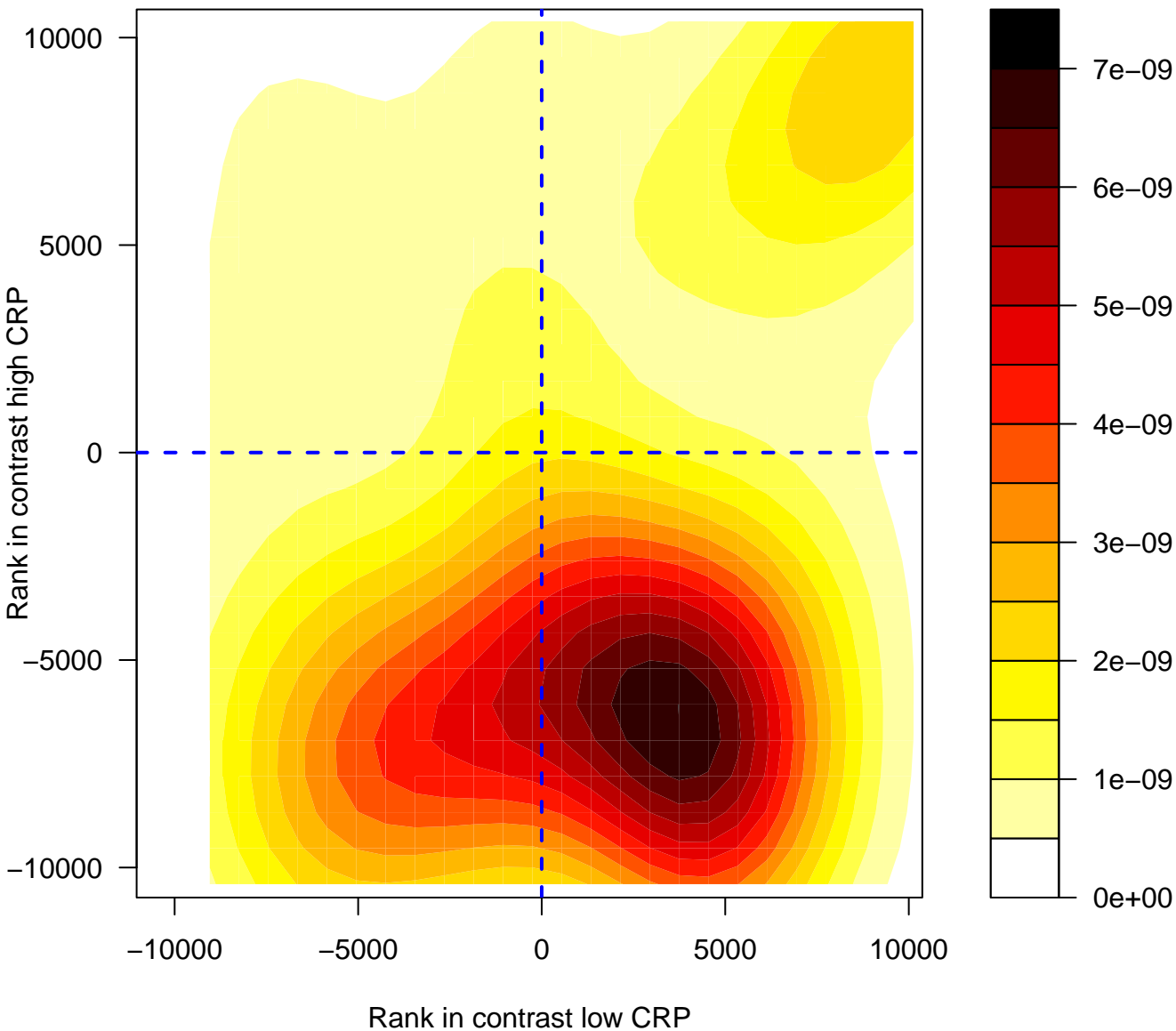




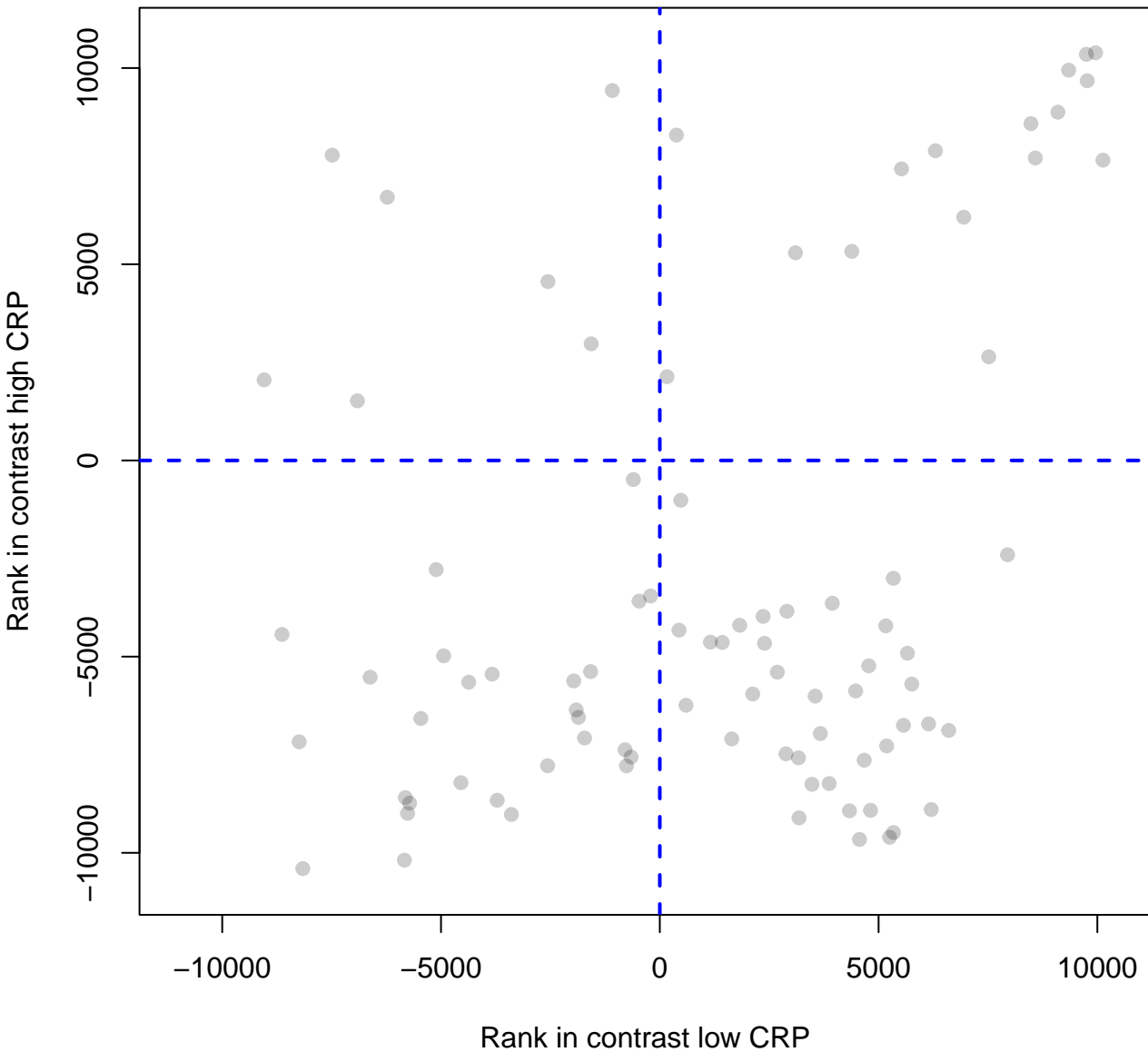
# Antigen activates B Cell Receptor (BCR) leading



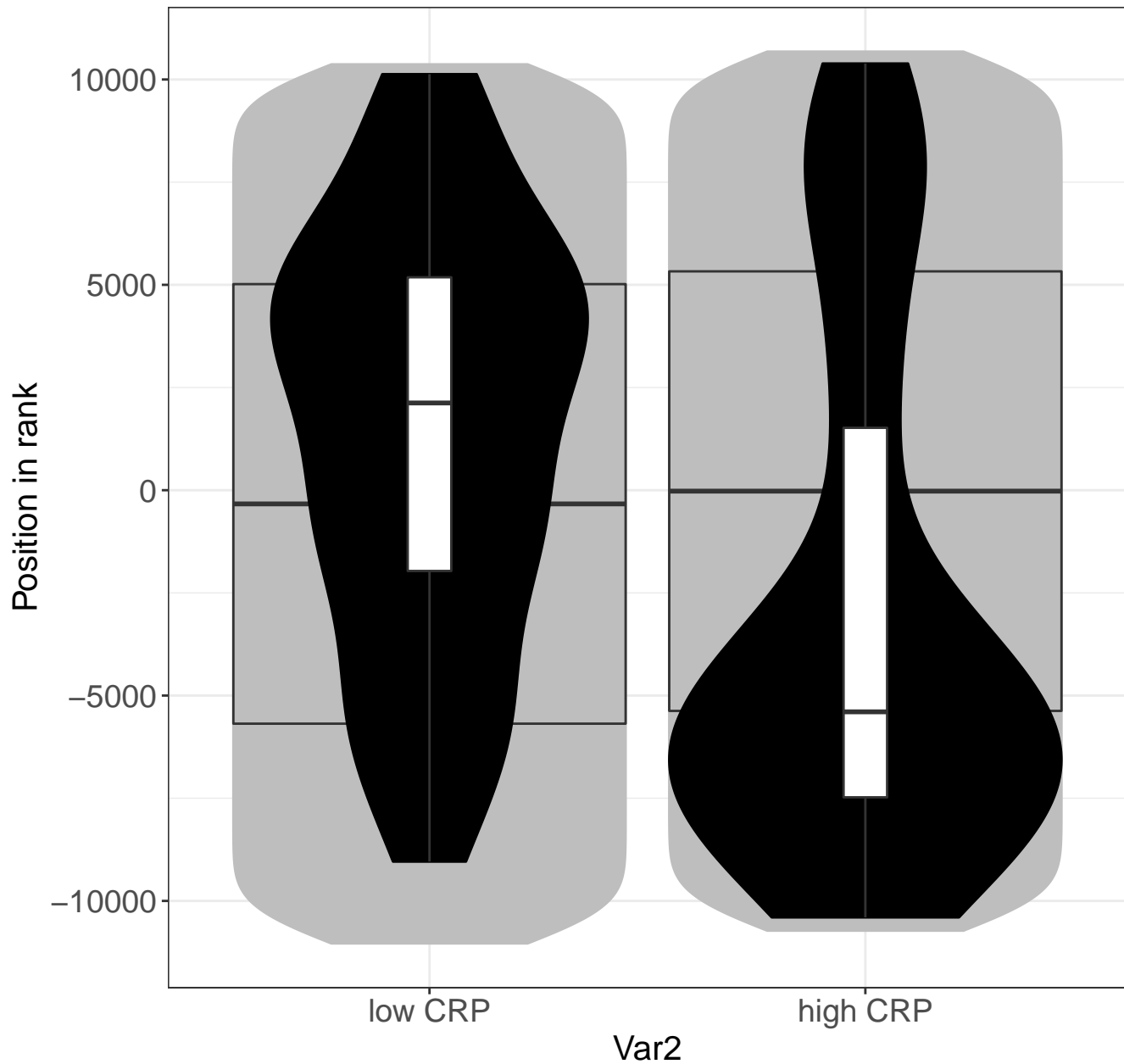
# FCERI mediated MAPK activation



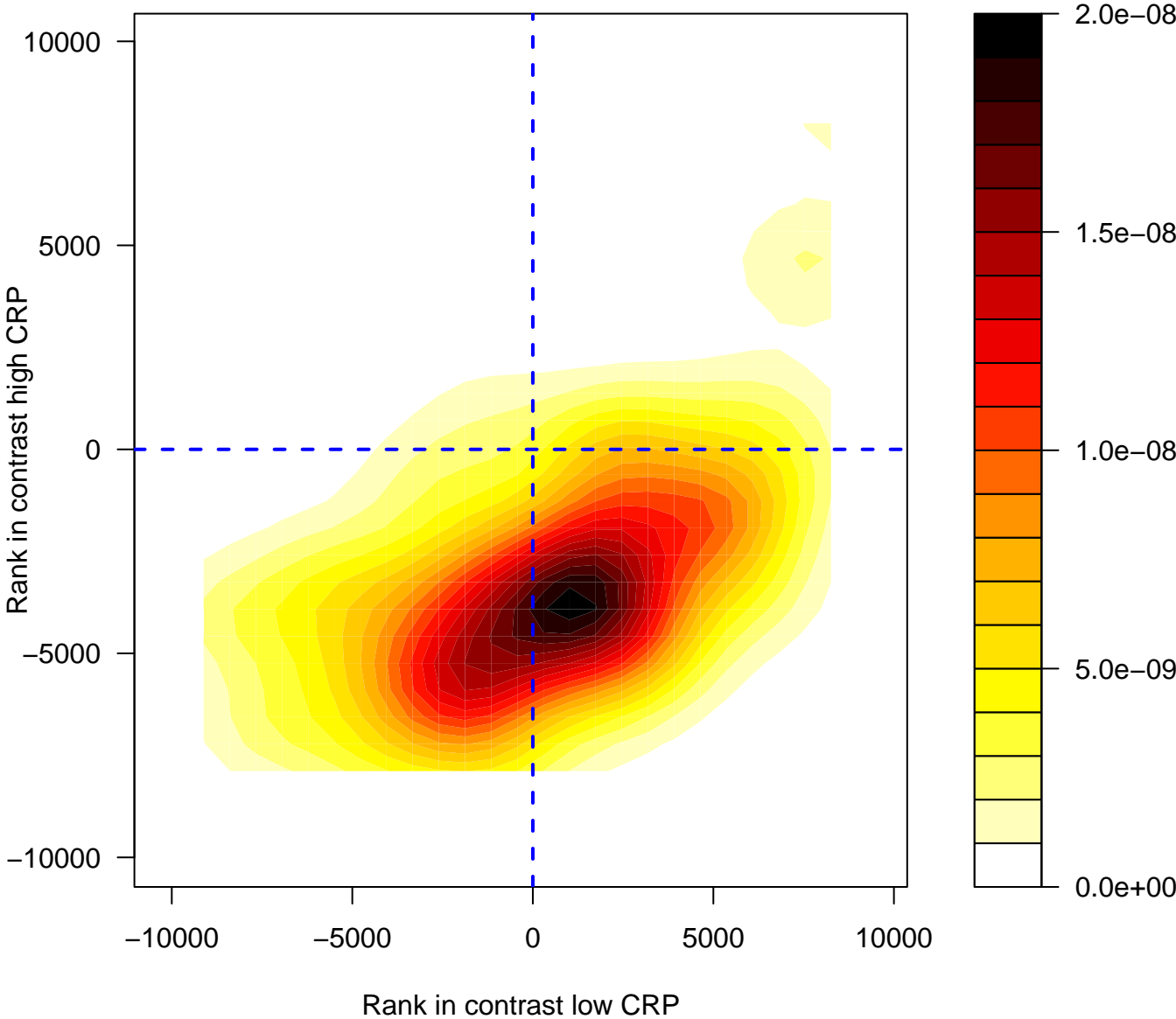
# FCERI mediated MAPK activation



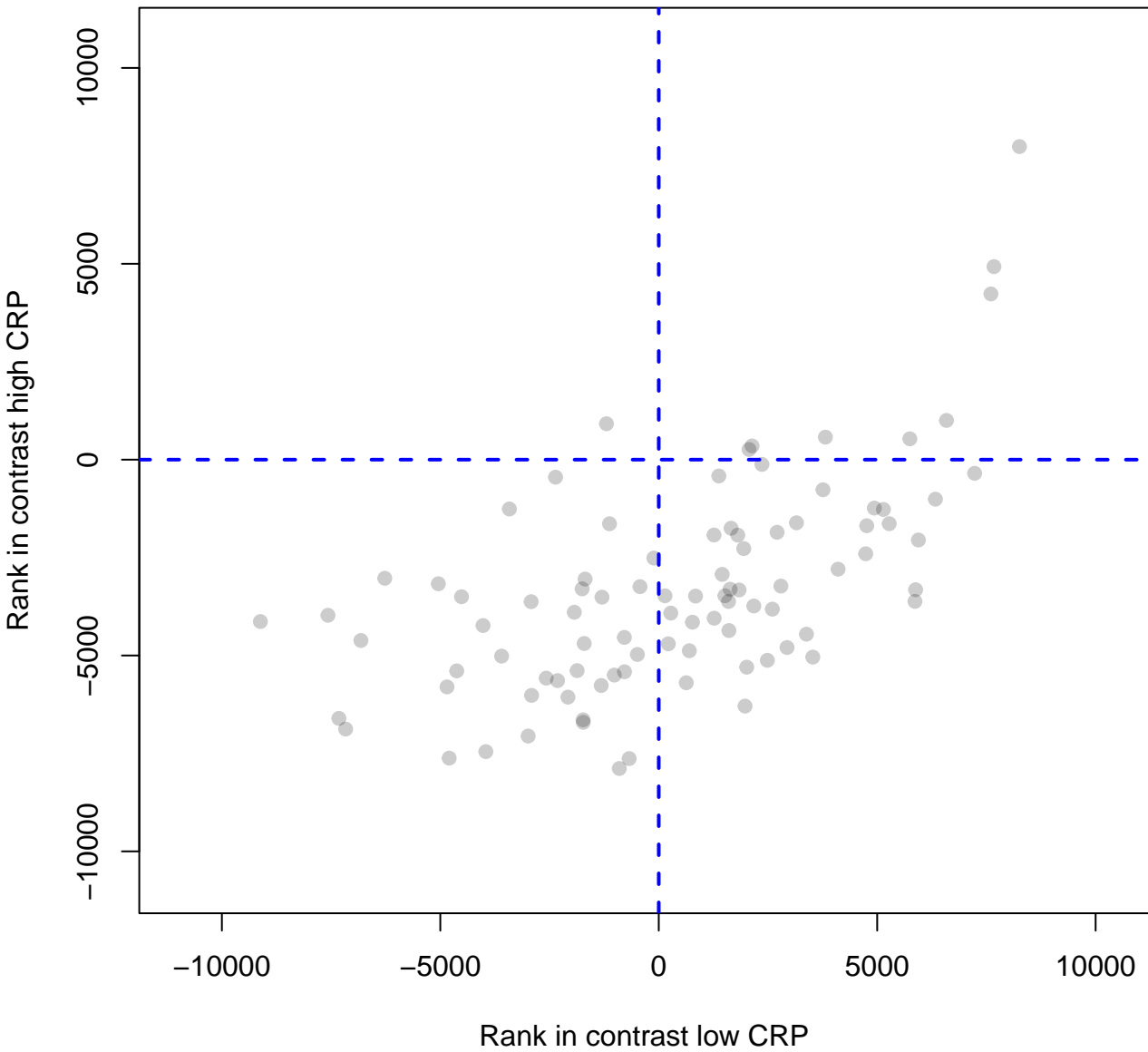
# FCERI mediated MAPK activation



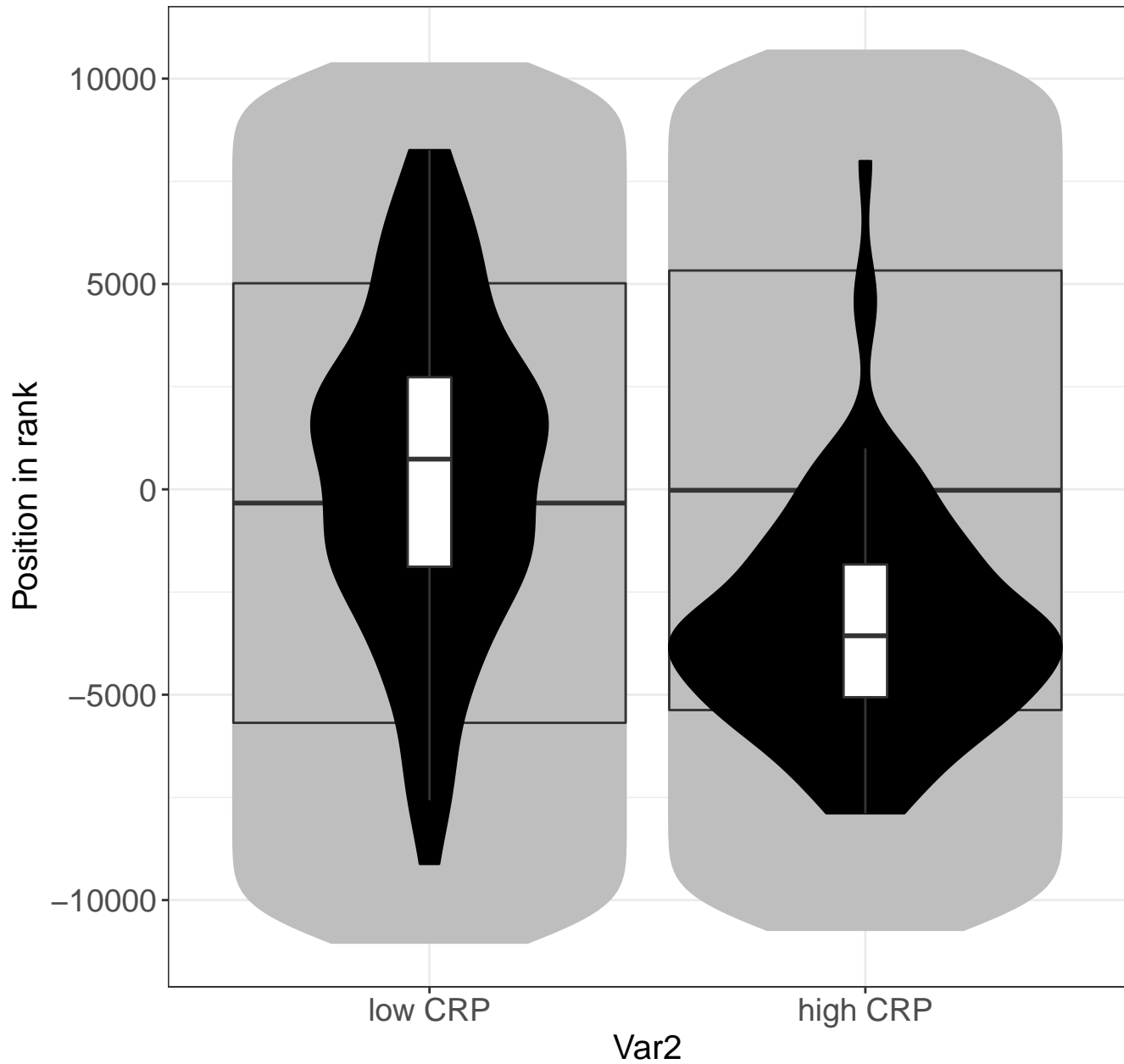
# Eukaryotic Translation Elongation



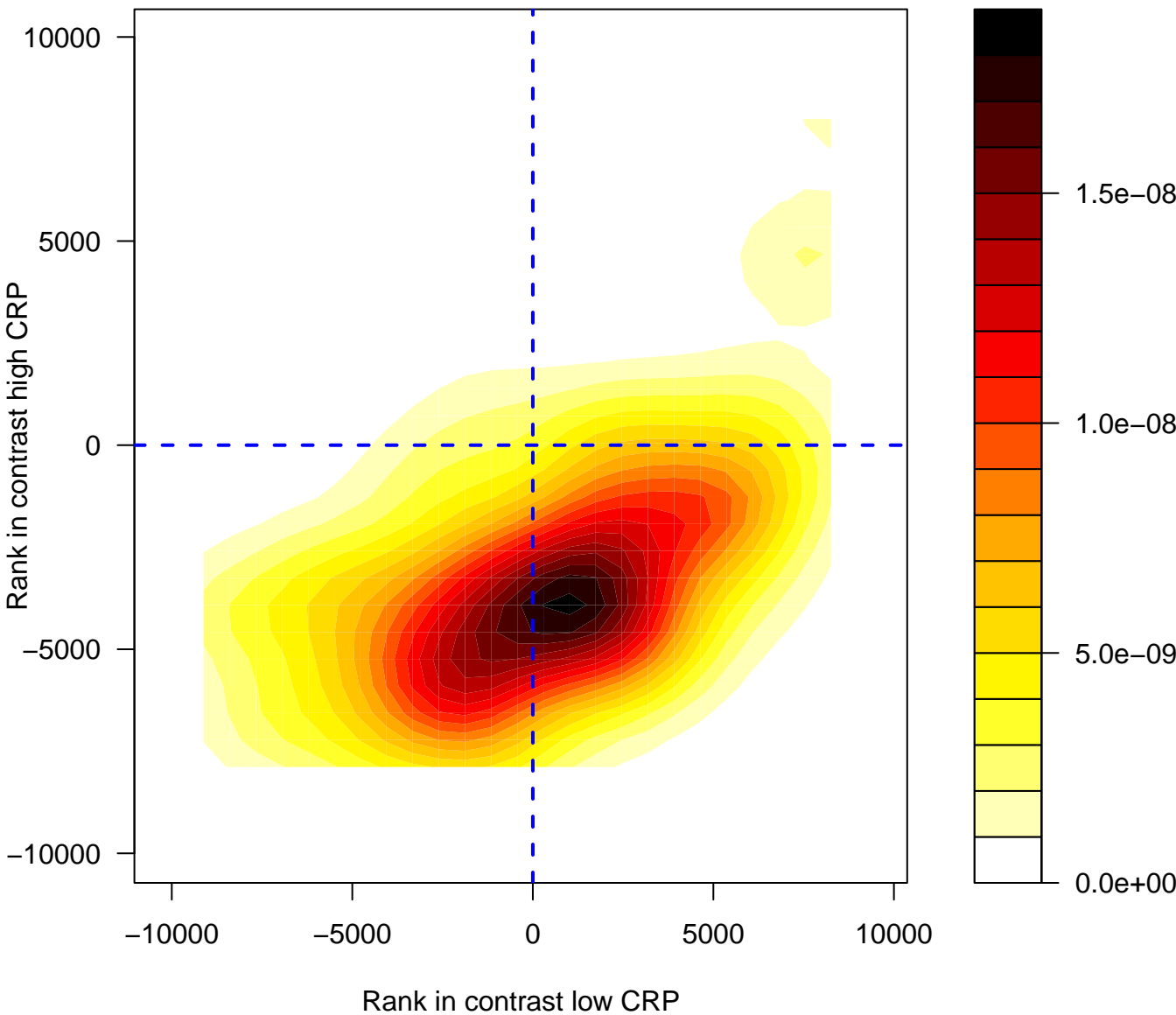
# Eukaryotic Translation Elongation



# Eukaryotic Translation Elongation

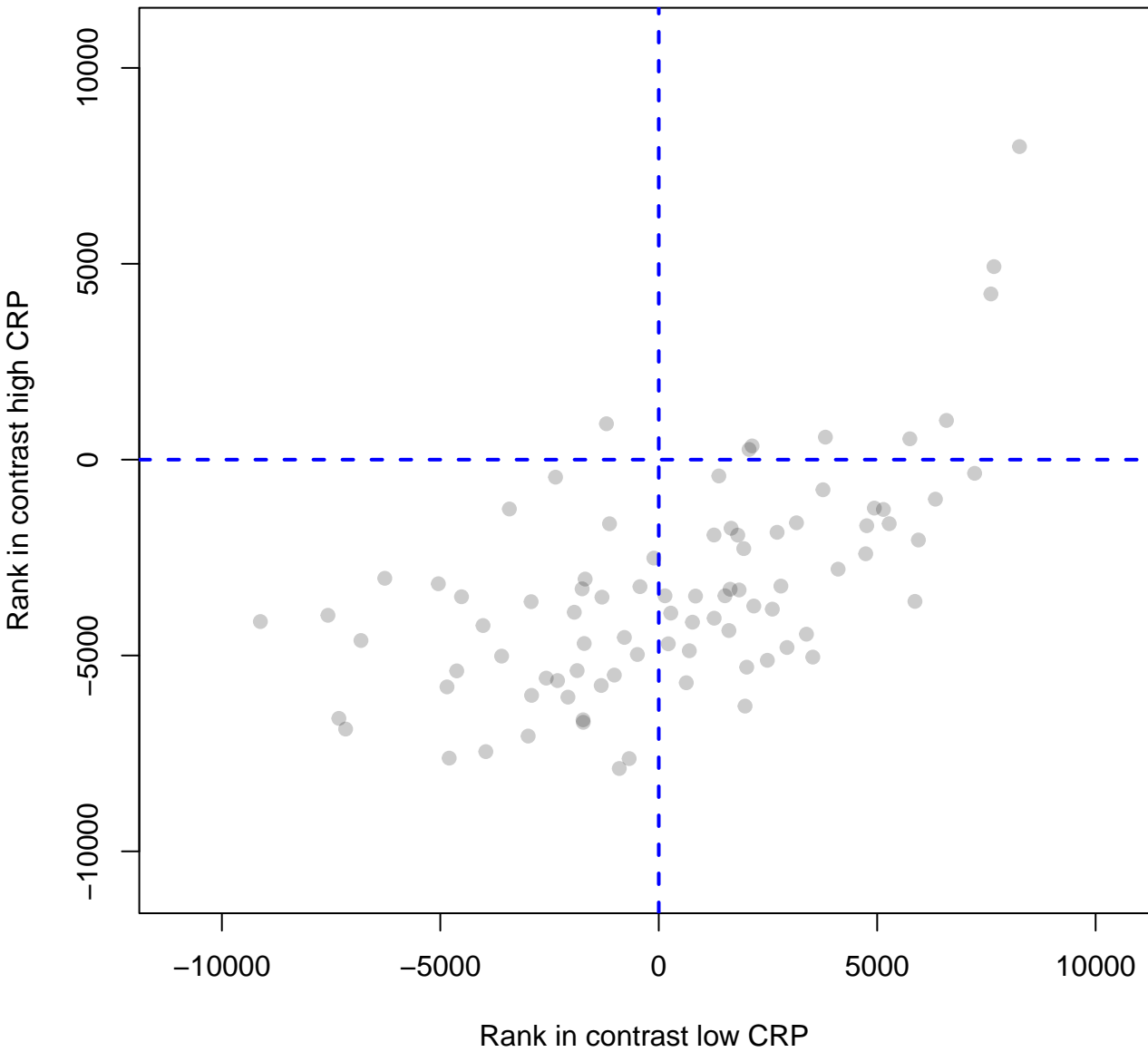


# Peptide chain elongation

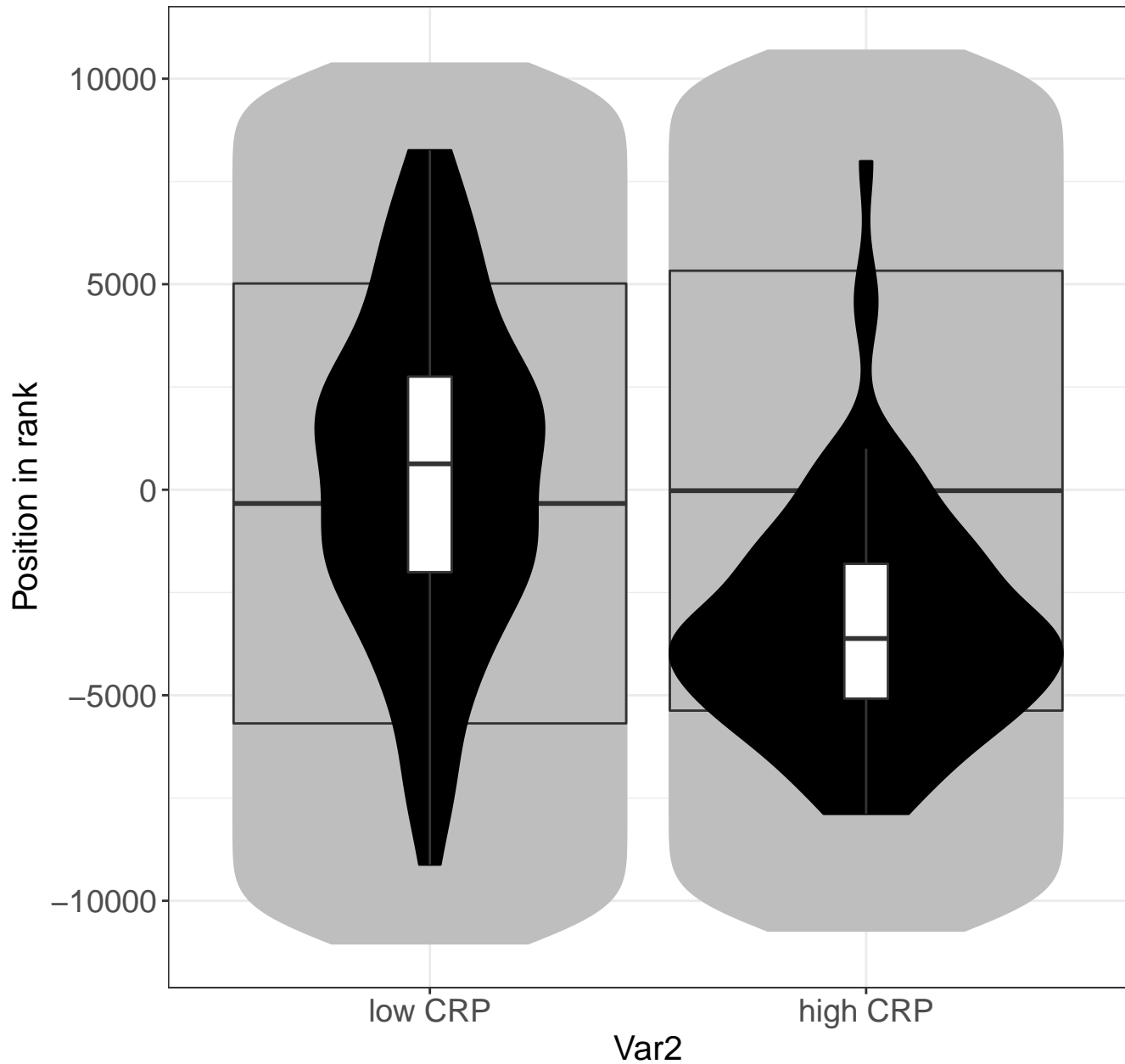




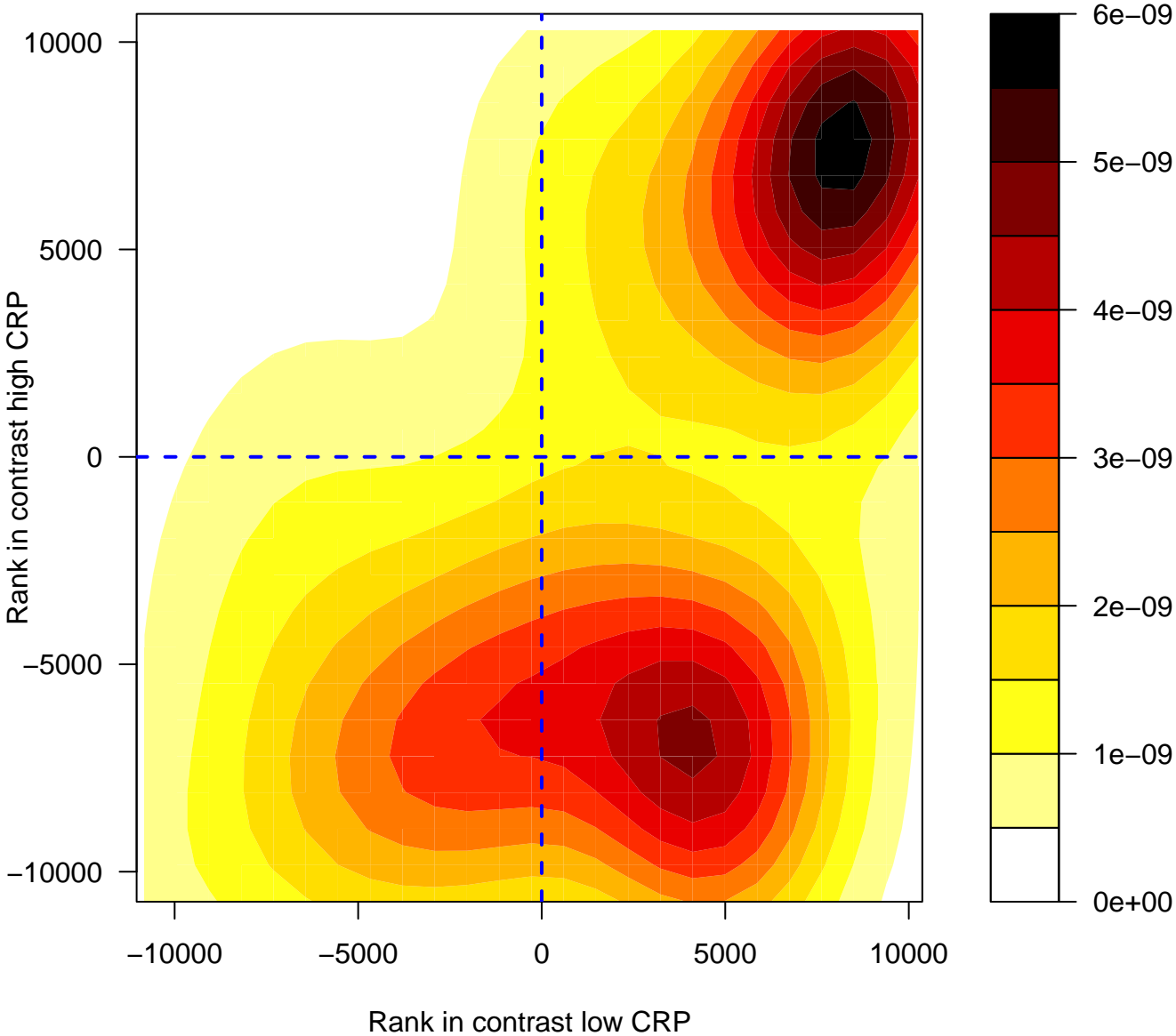
# Peptide chain elongation



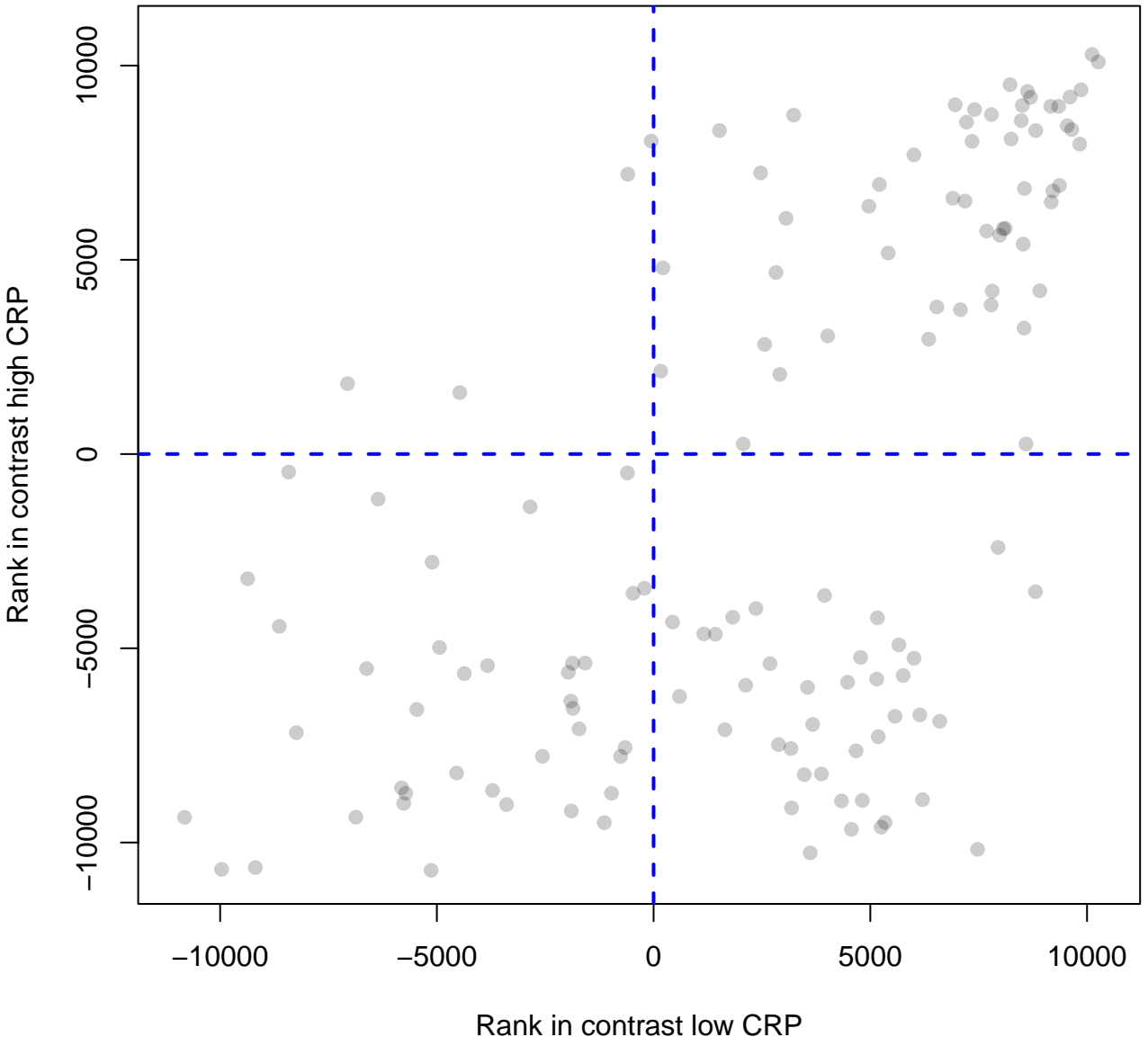
# Peptide chain elongation



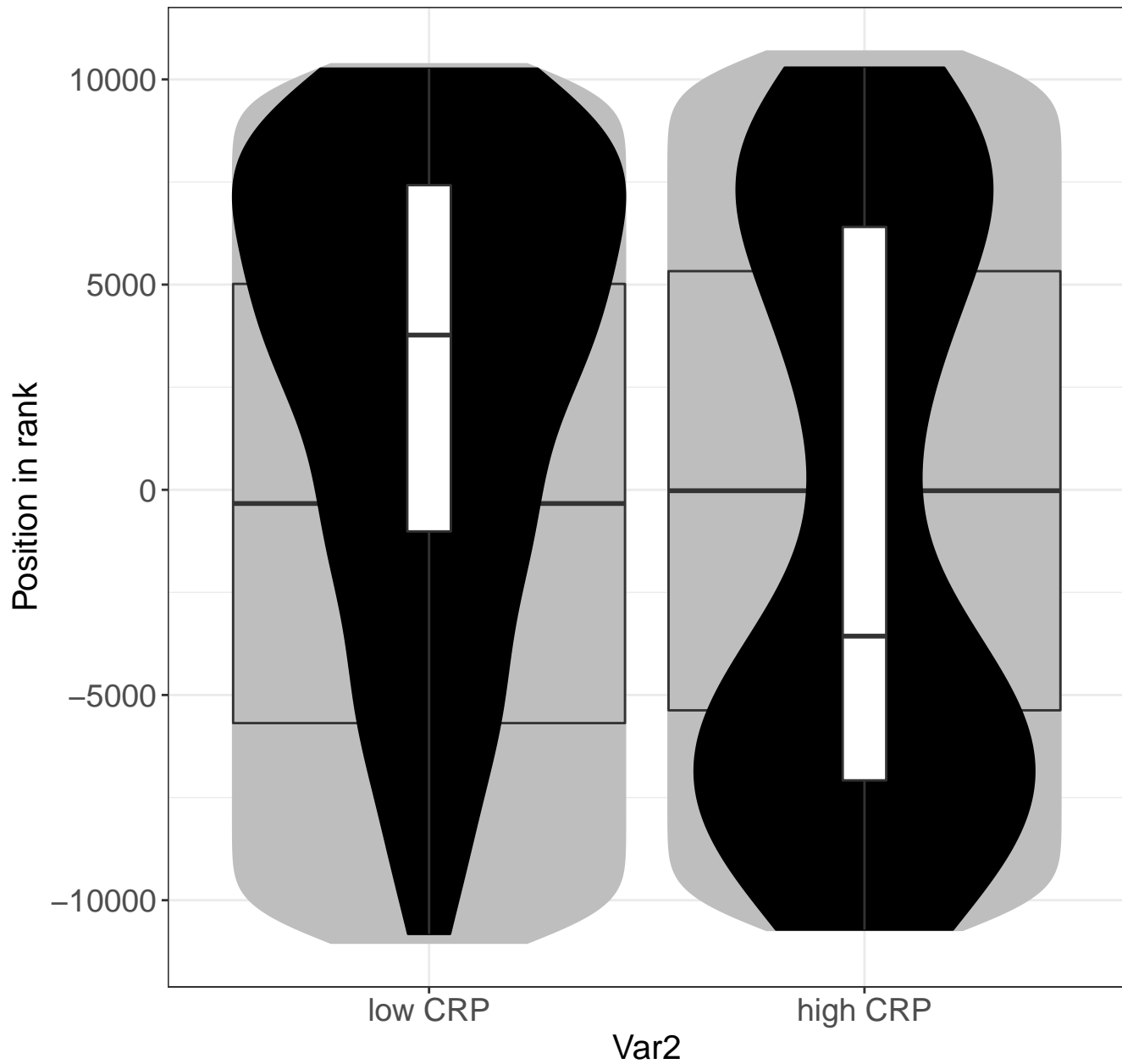
# FCERI mediated NF- $\kappa$ B activation



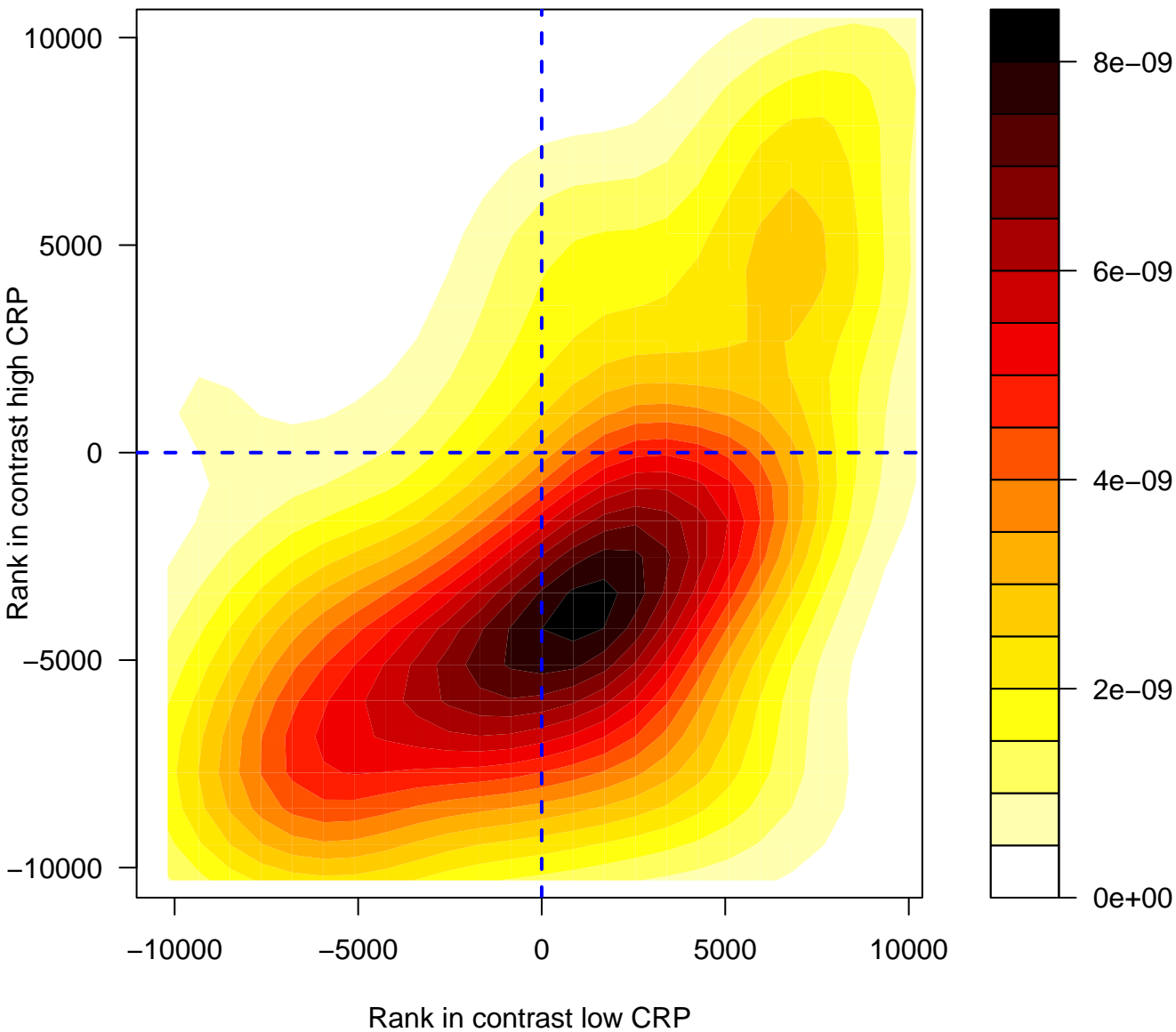
# FCERI mediated NF- $\kappa$ B activation



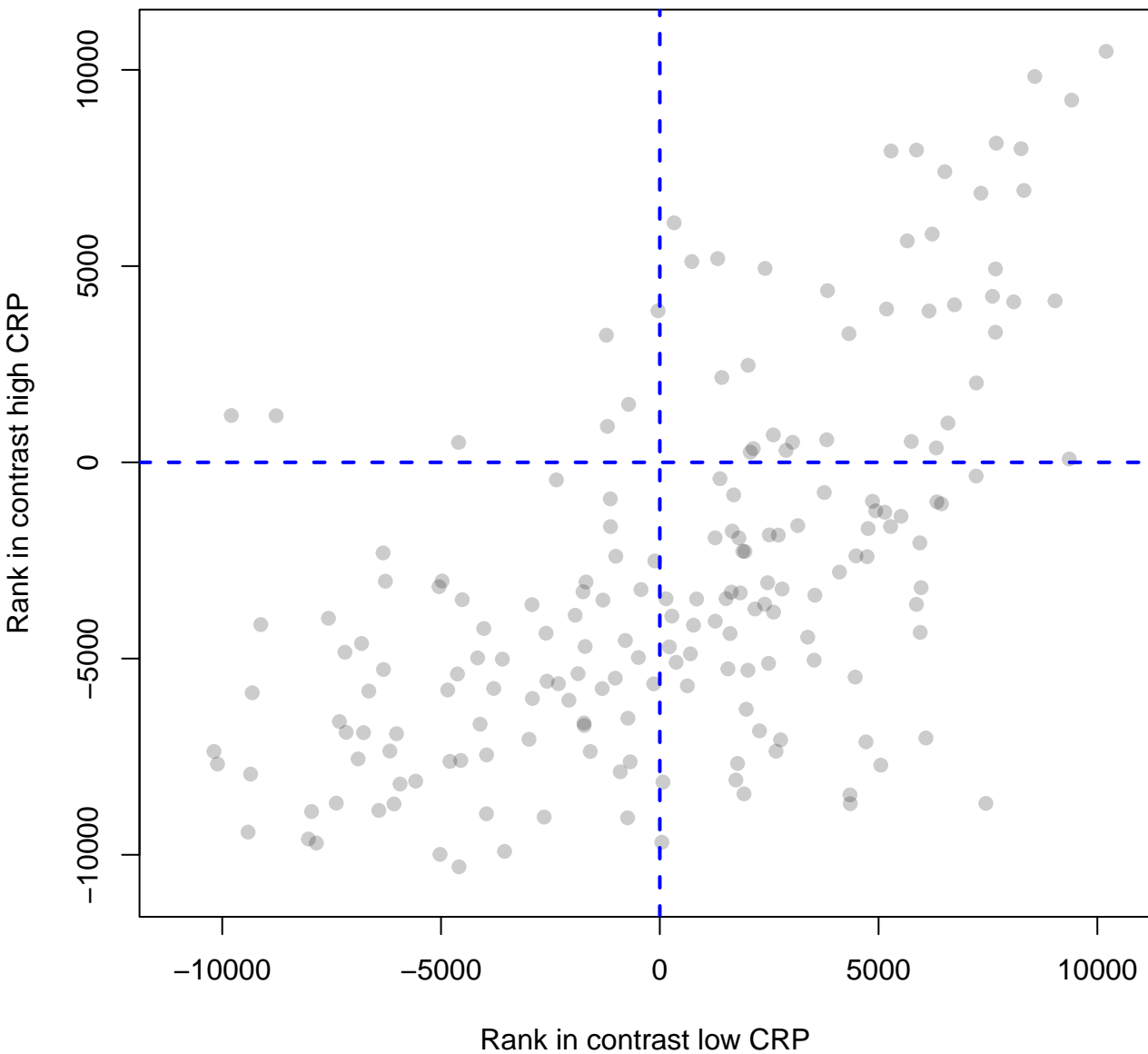
# FCERI mediated NF- $\kappa$ B activation



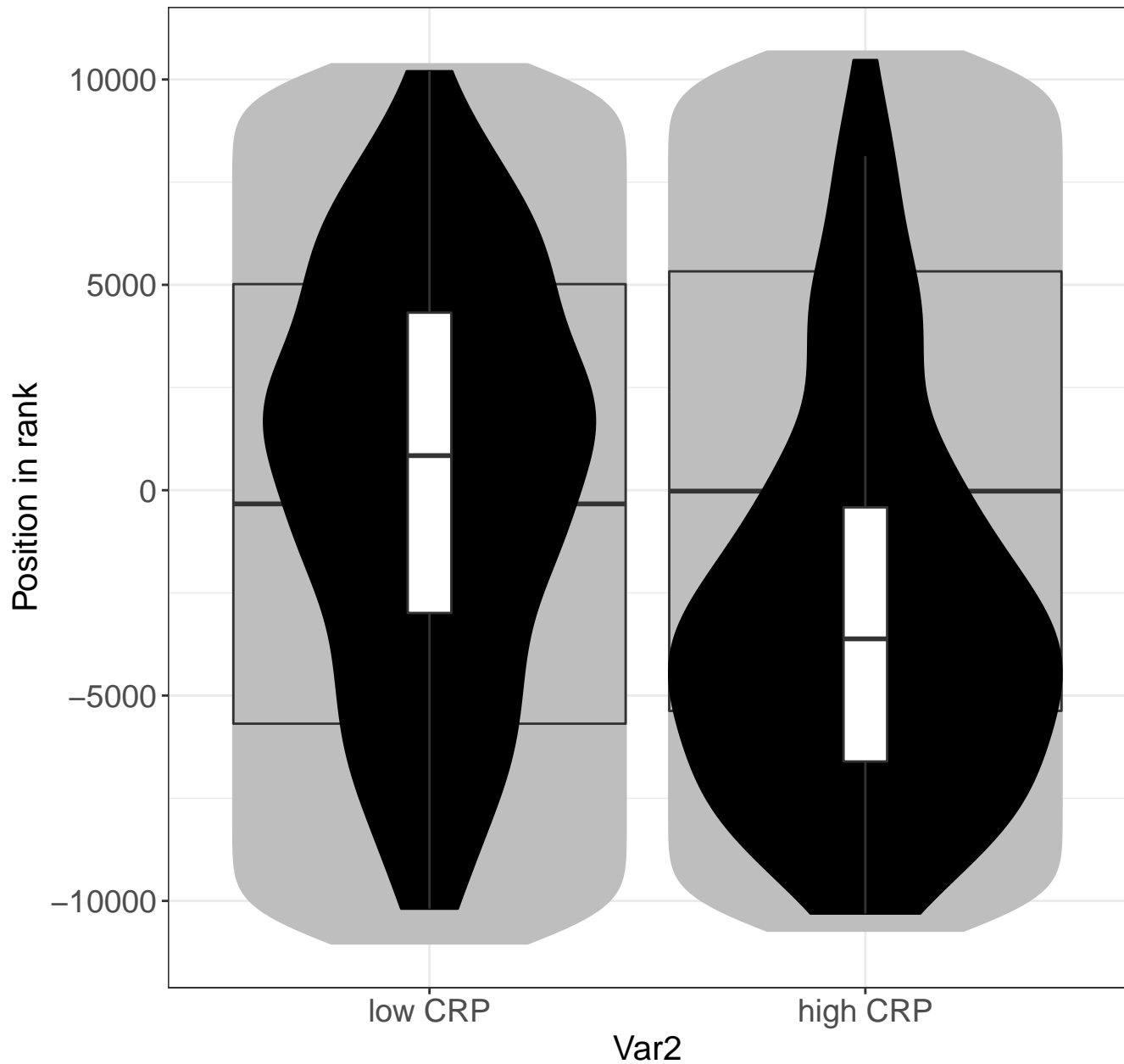
# rRNA processing in the nucleus and cytosol



# rRNA processing in the nucleus and cytosol

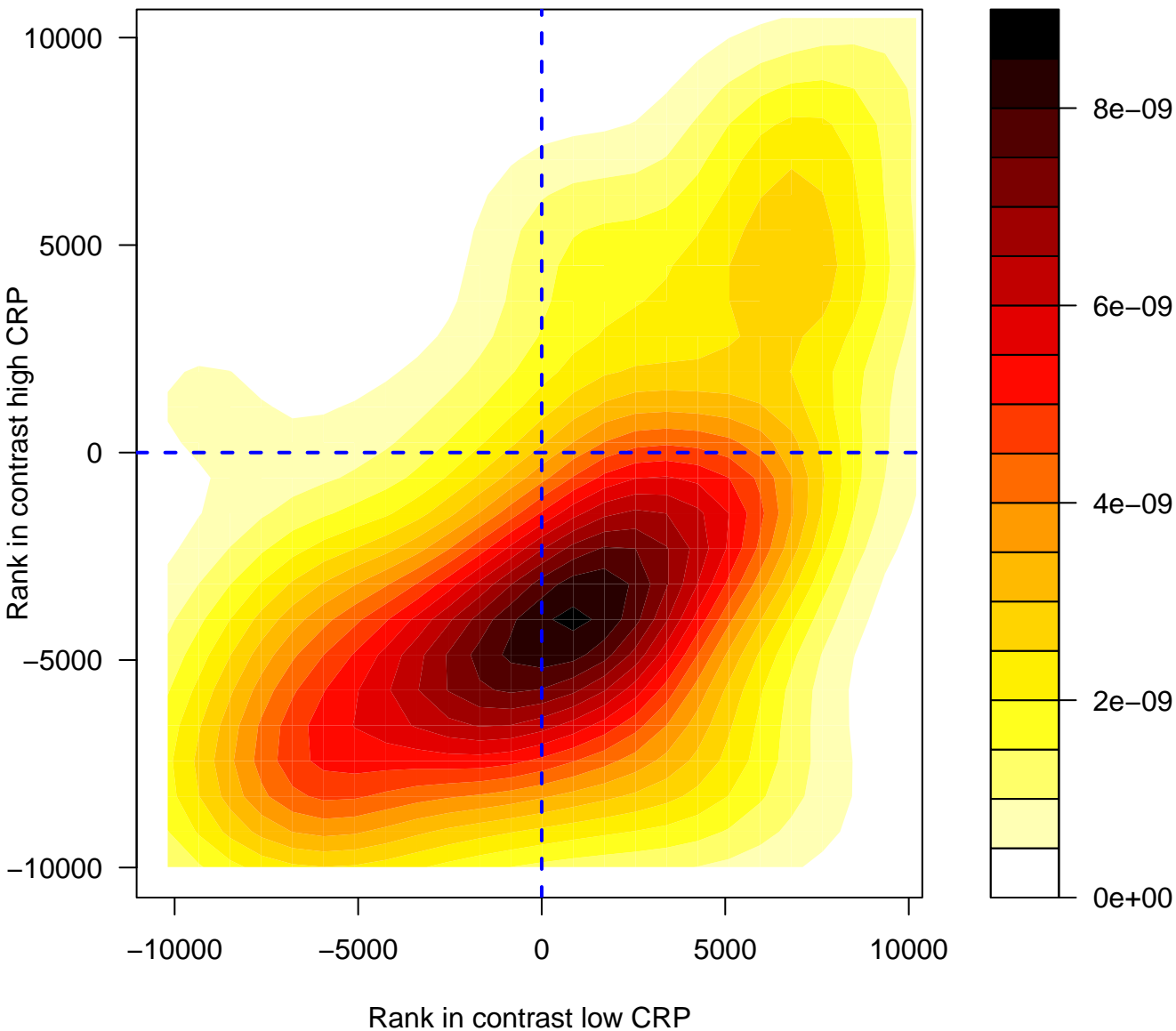


# rRNA processing in the nucleus and cytosol

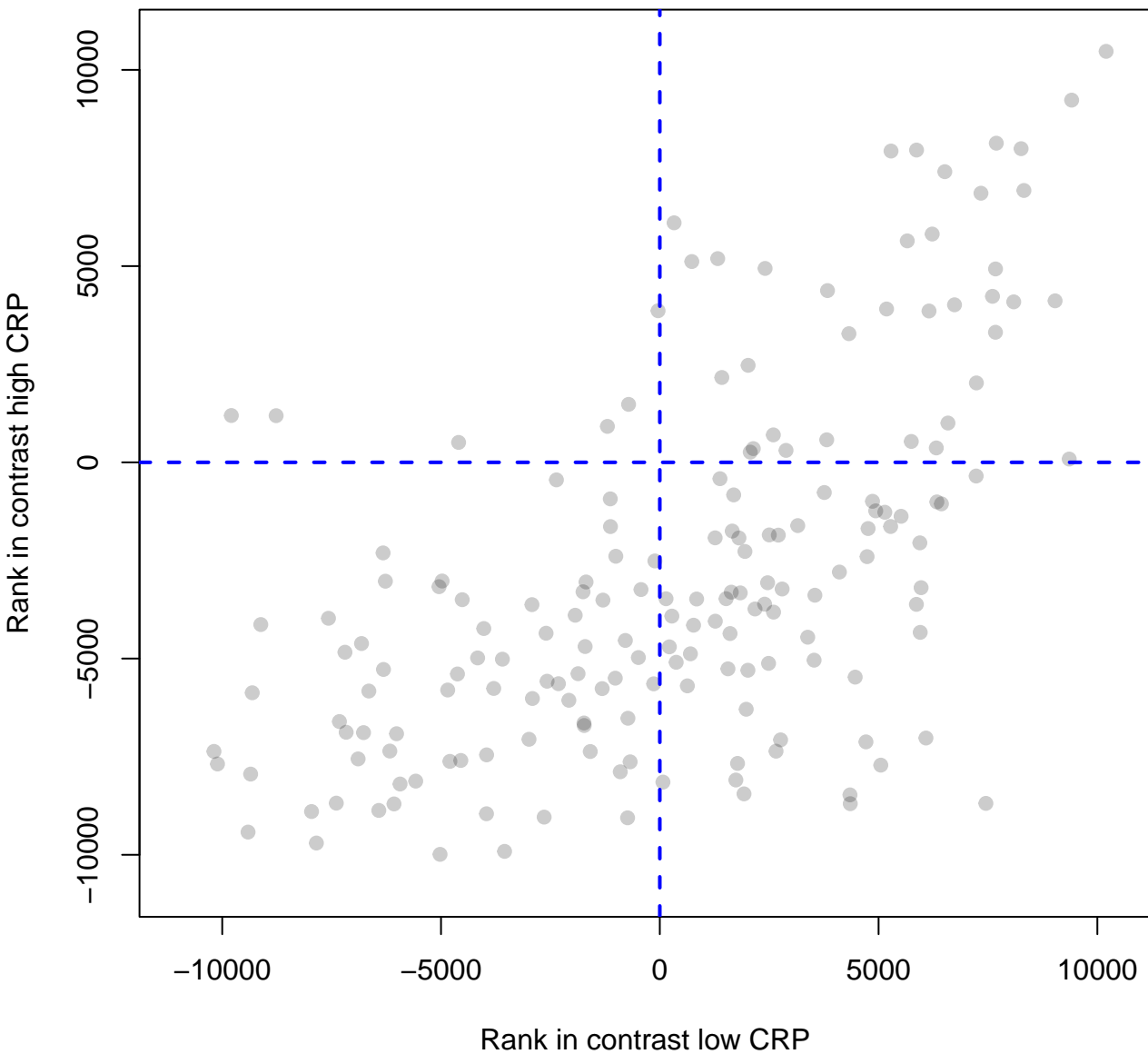




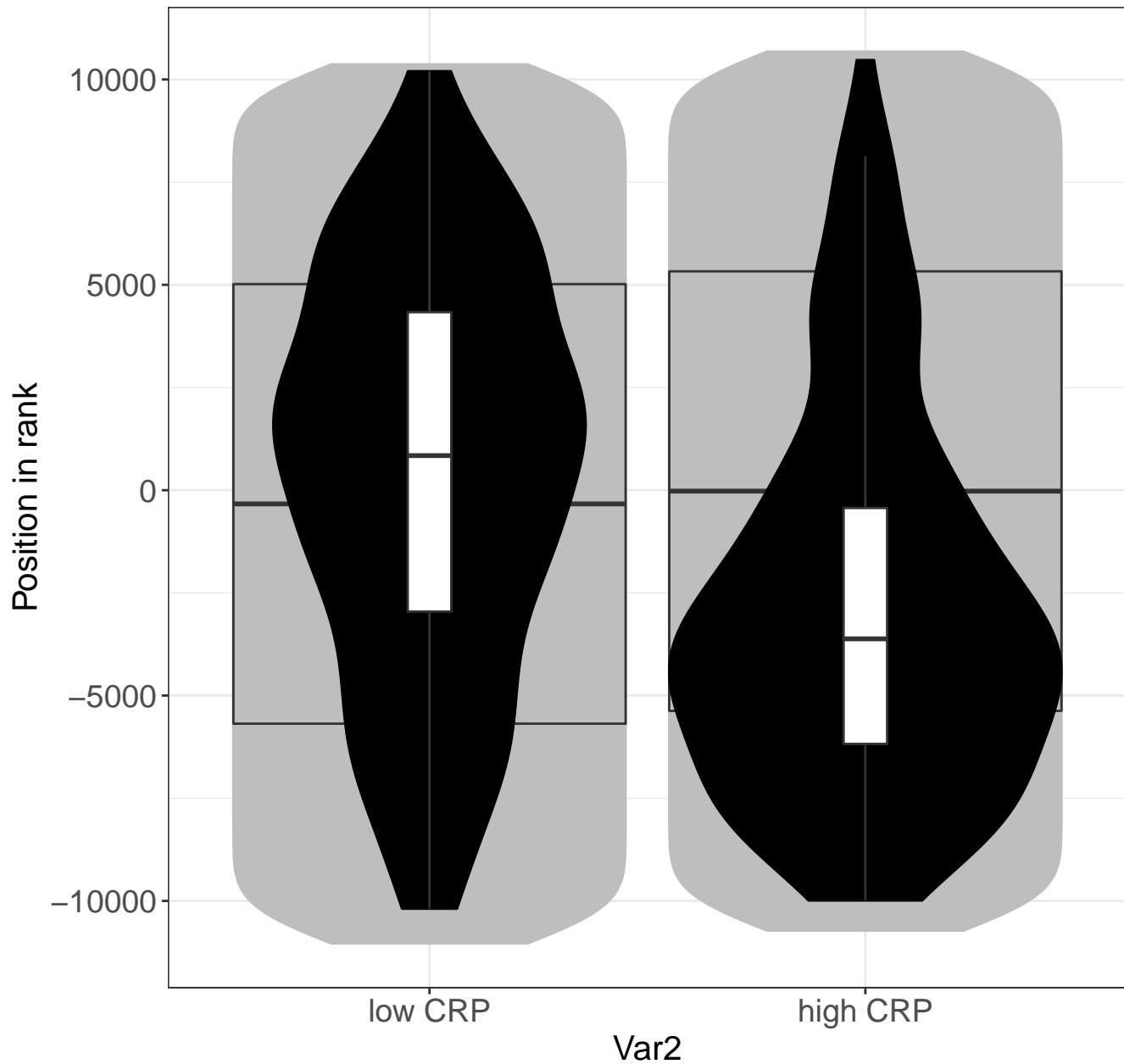
# Major pathway of rRNA processing in the nucleolus and cytoplasm



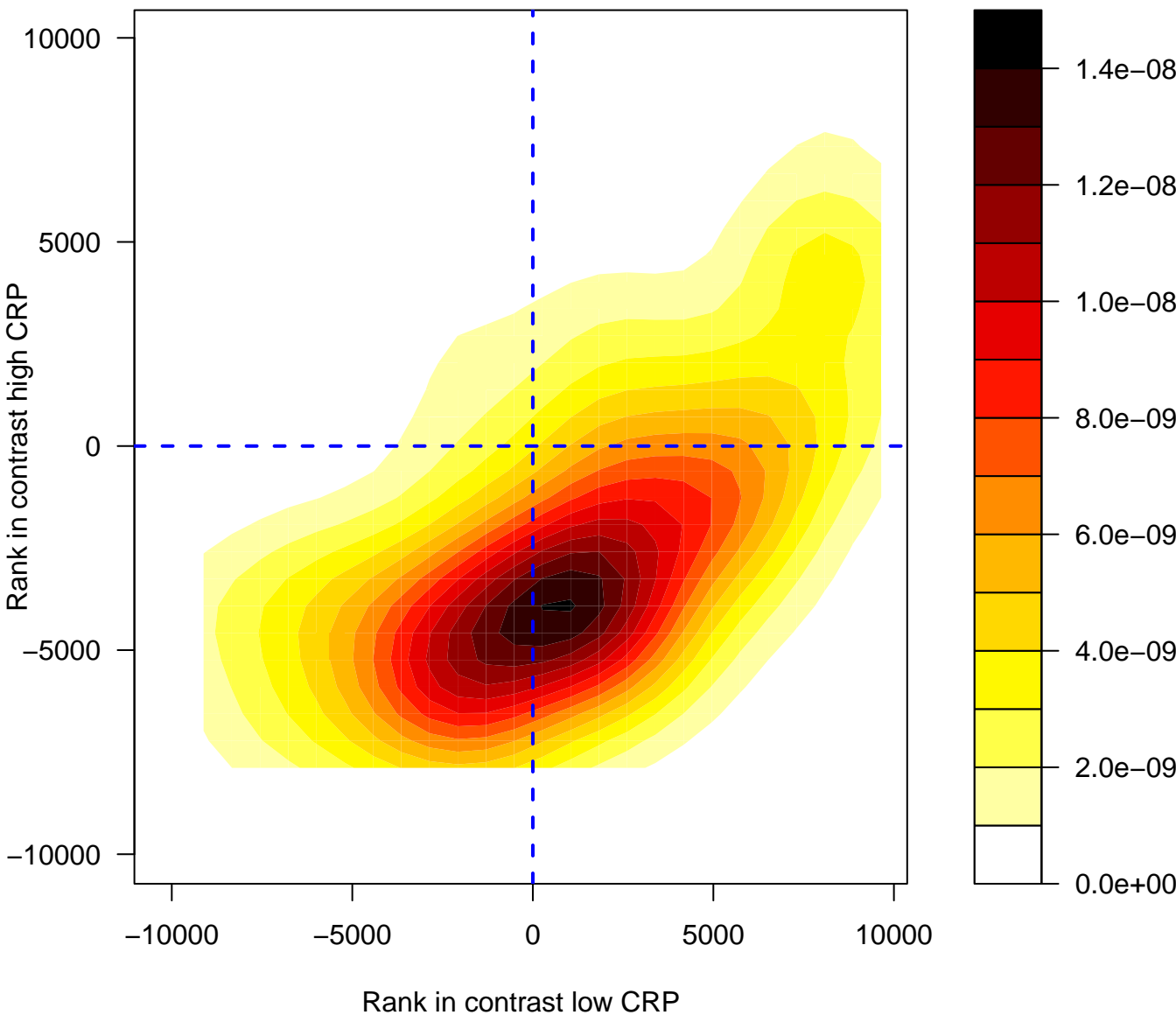
# Major pathway of rRNA processing in the nucleolus and cytosol



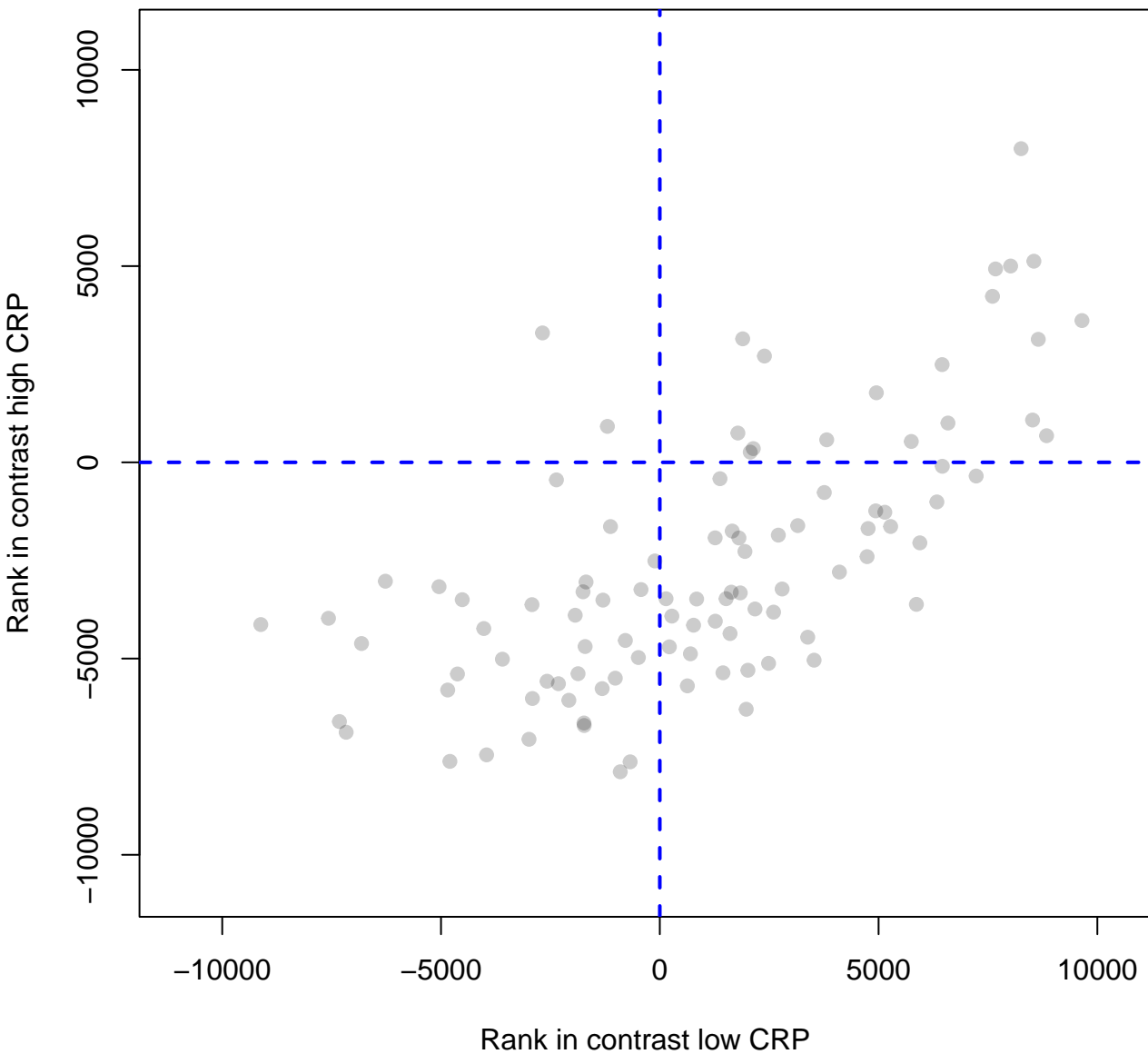
# Major pathway of rRNA processing in the nucleol



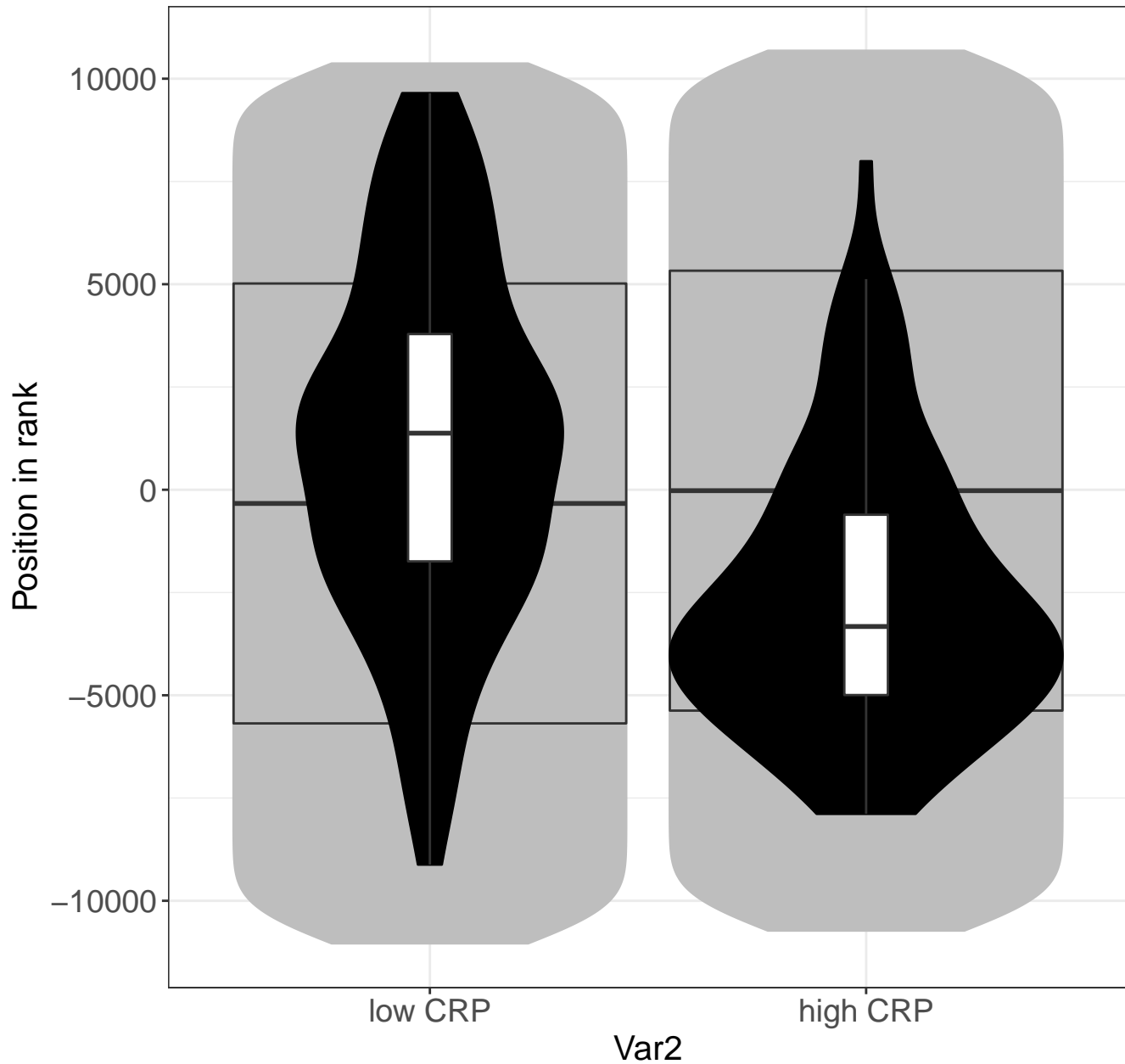
# Formation of a pool of free 40S subunits



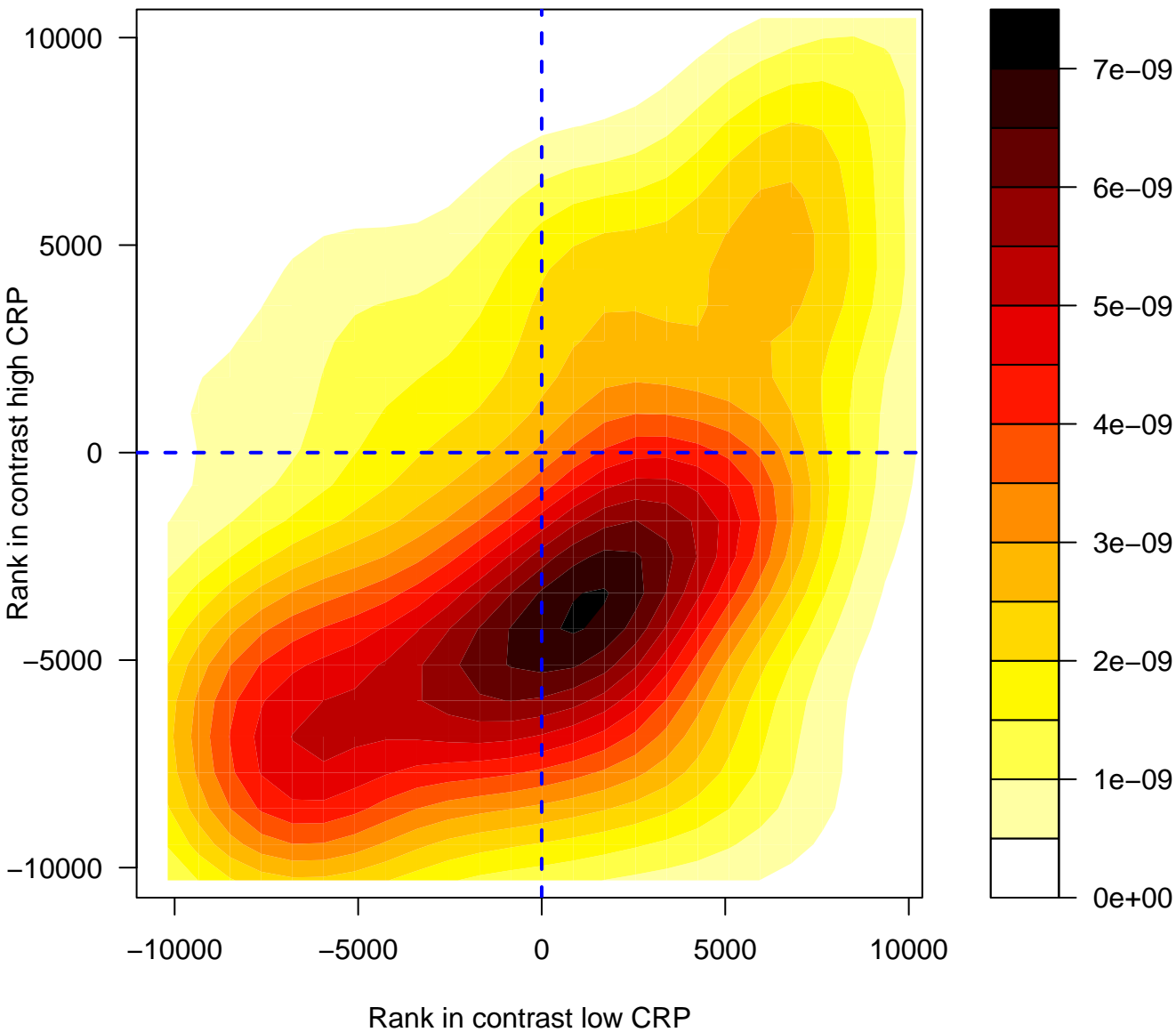
# Formation of a pool of free 40S subunits



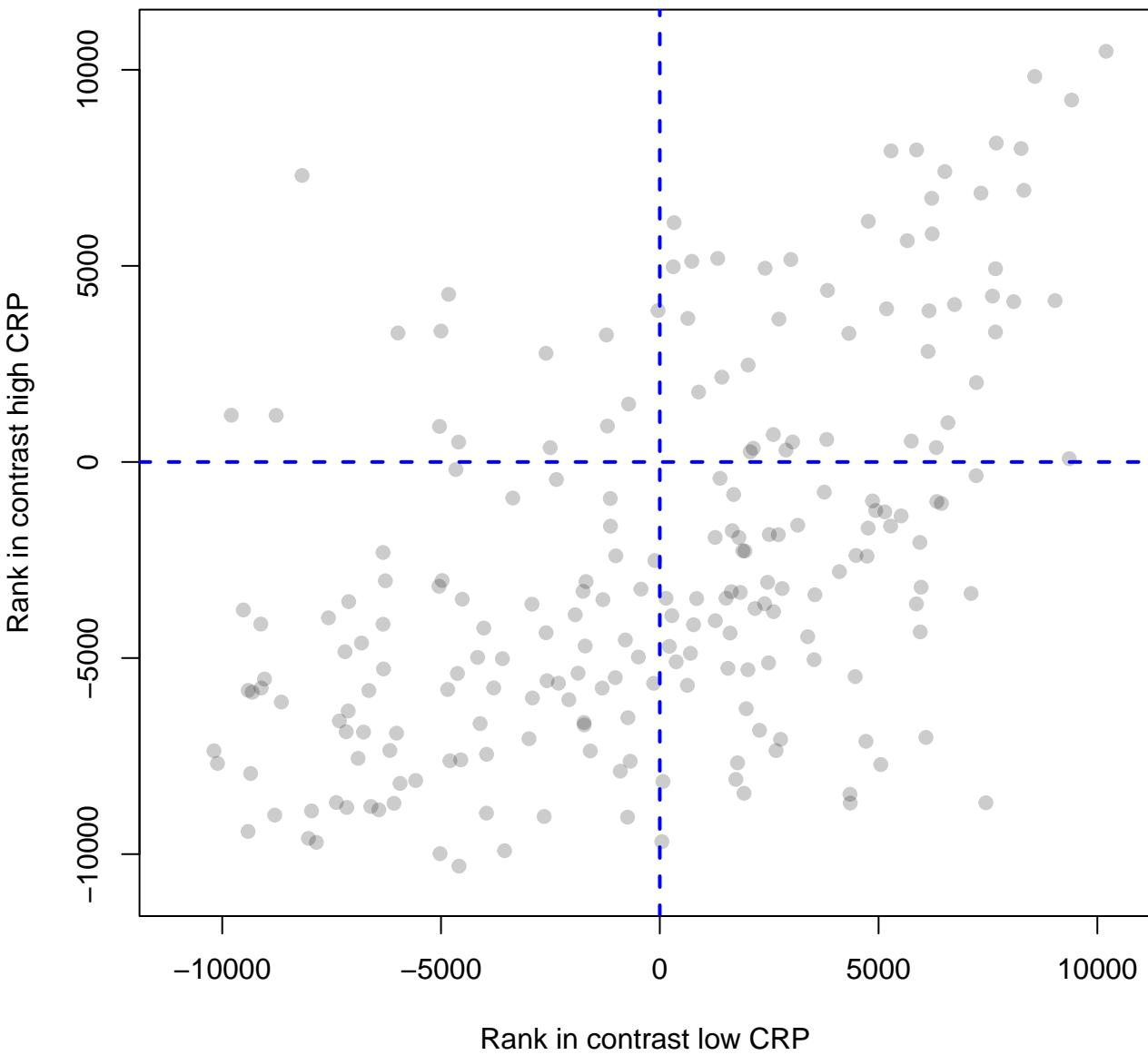
# Formation of a pool of free 40S subunits



# rRNA processing



# rRNA processing





# rRNA processing

