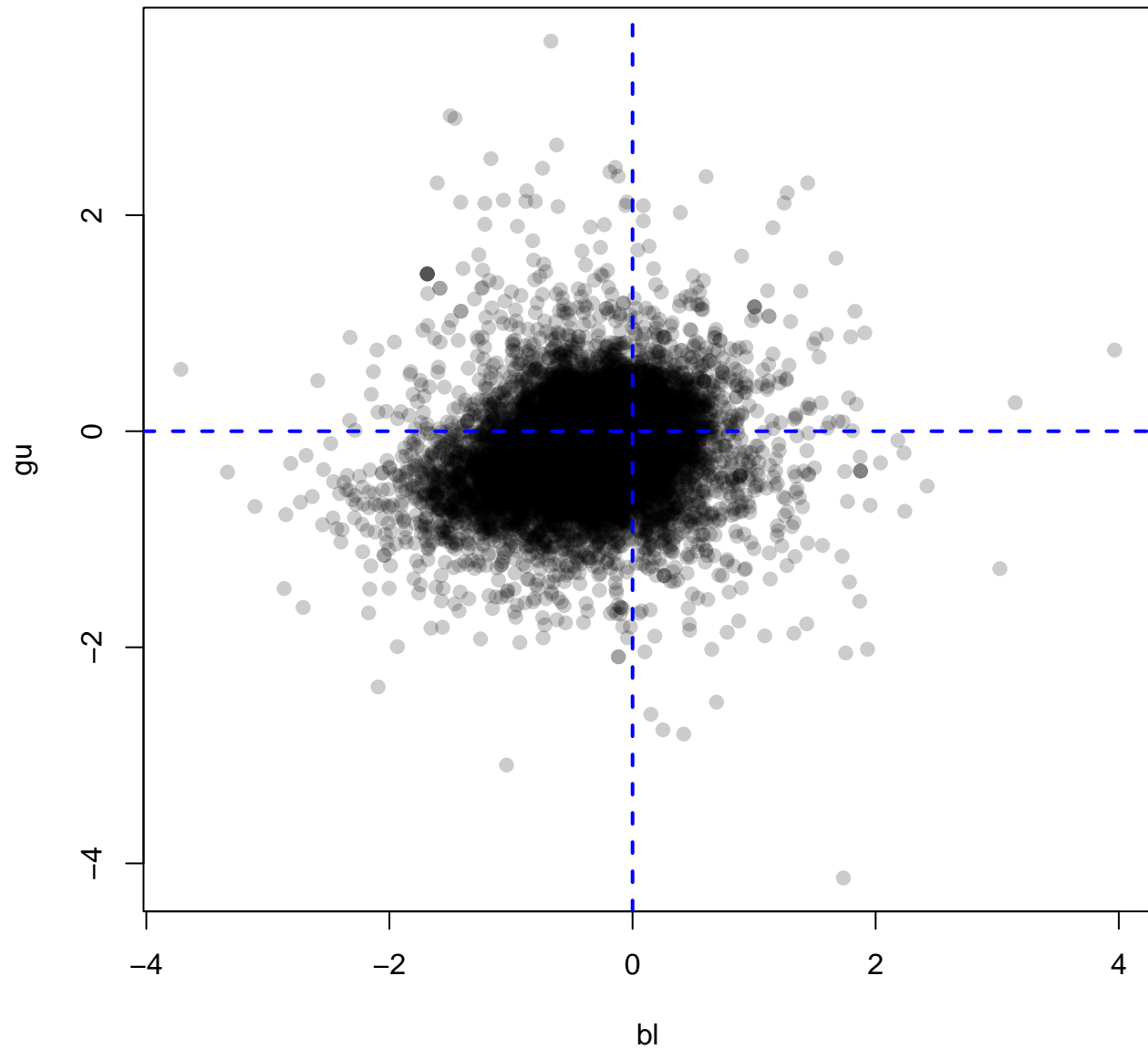
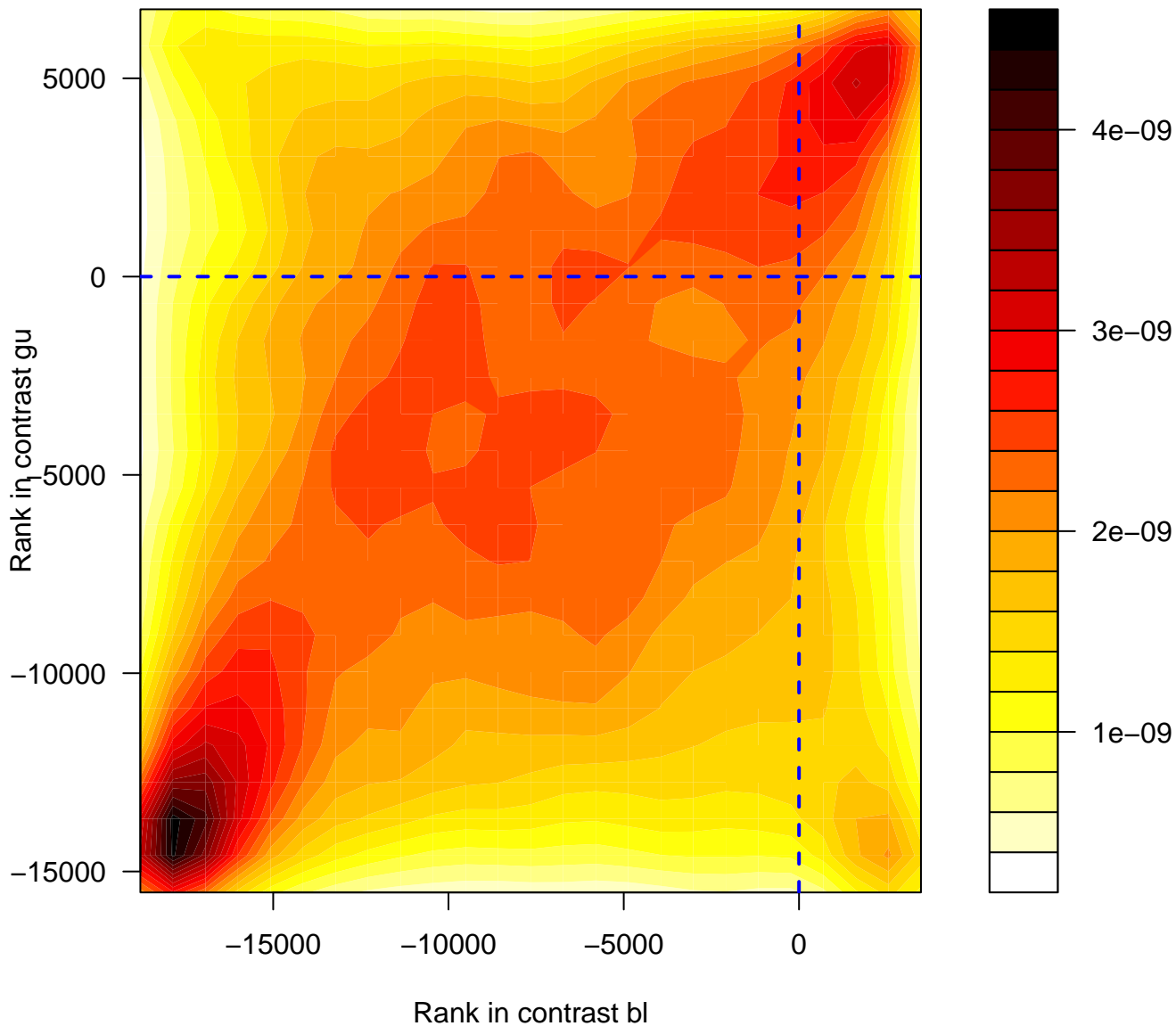


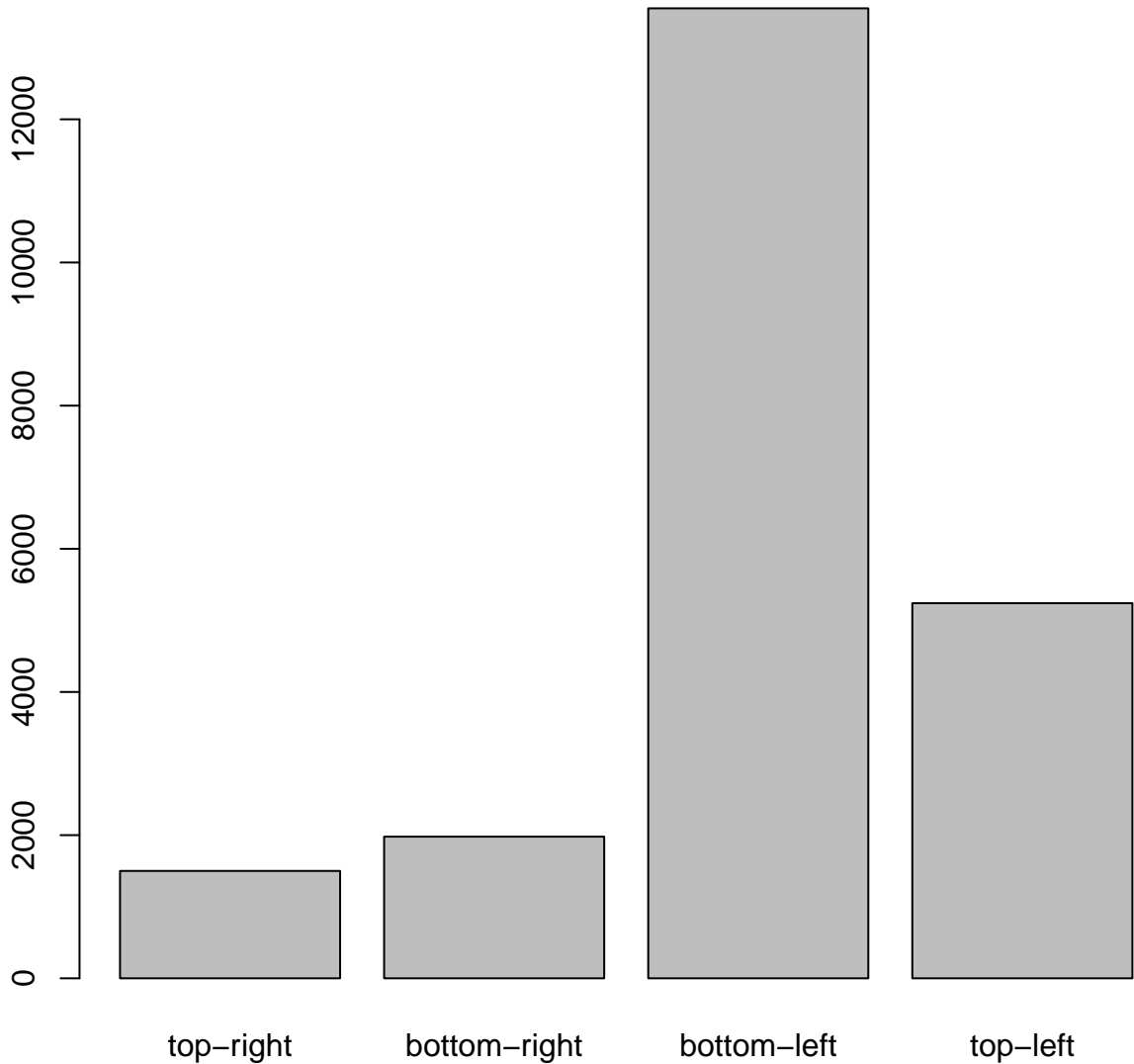
Scatterplot of all genes



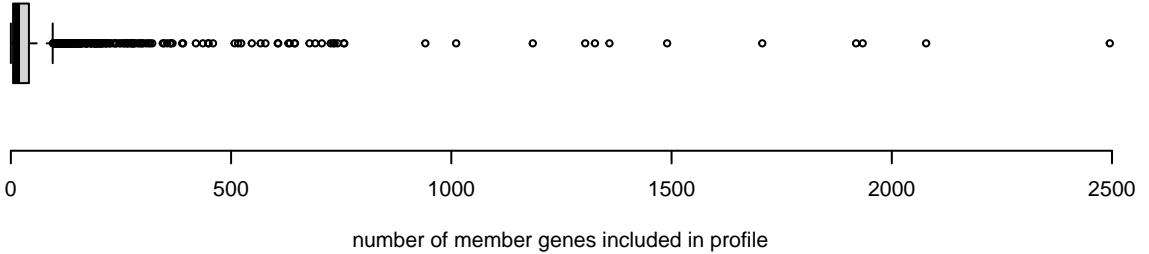
Rank-rank plot of all genes



# number of genes in each quadrant



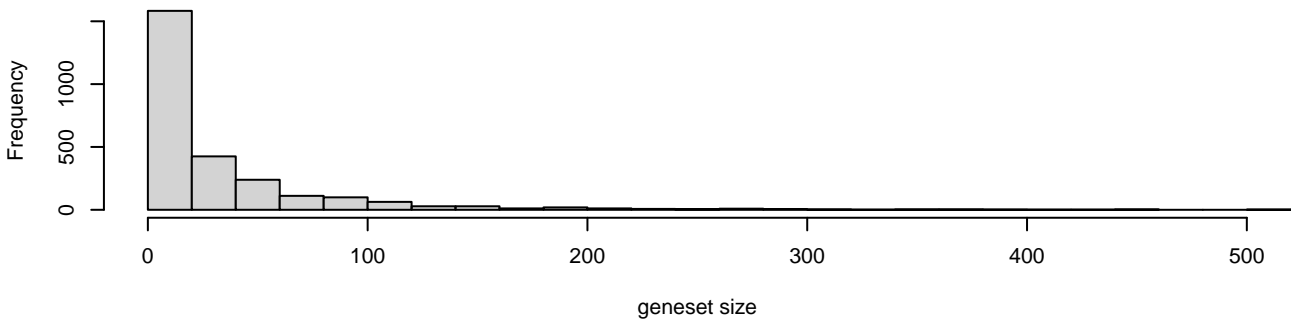
### Gene set size



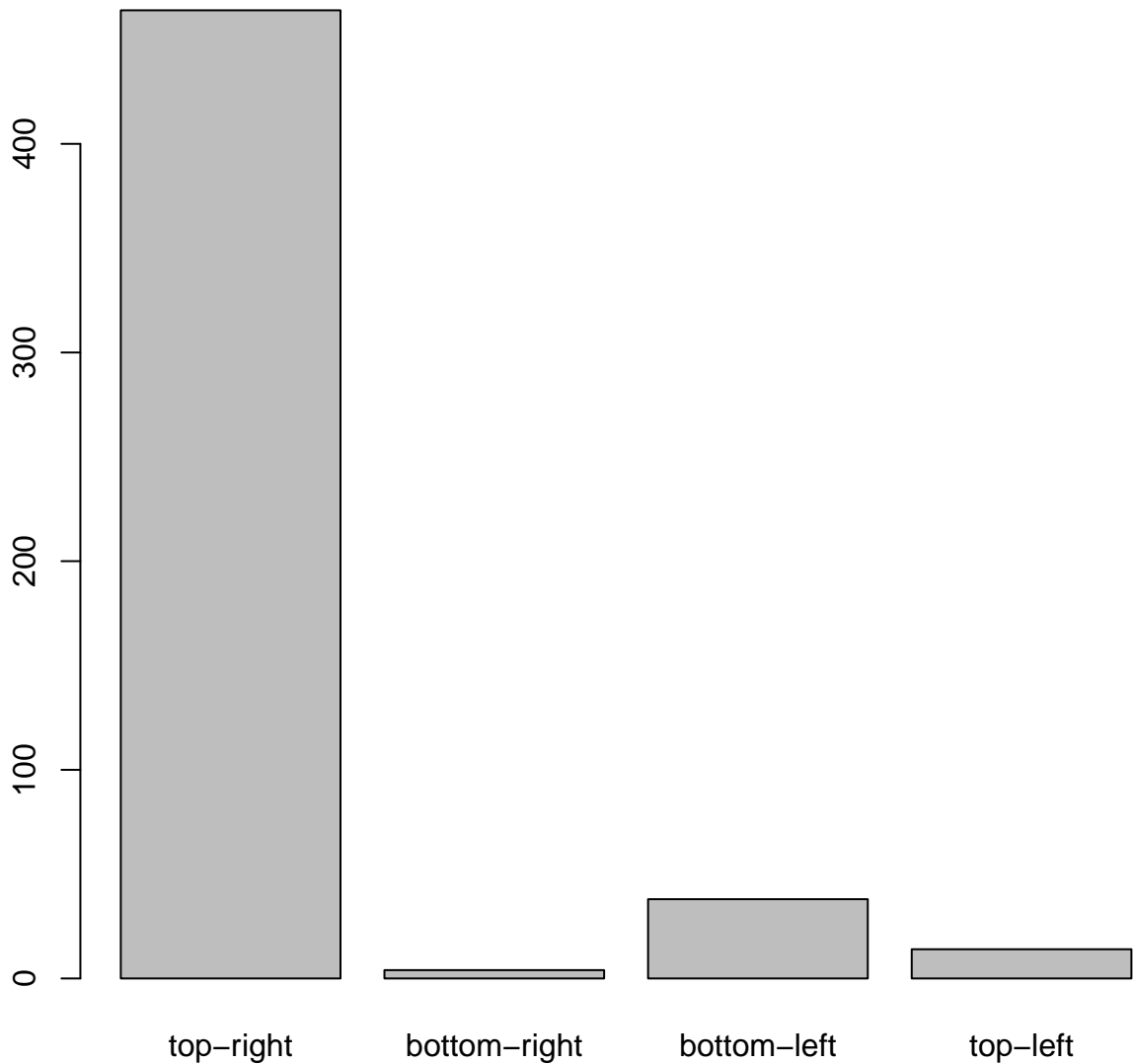
### Histogram of geneset size



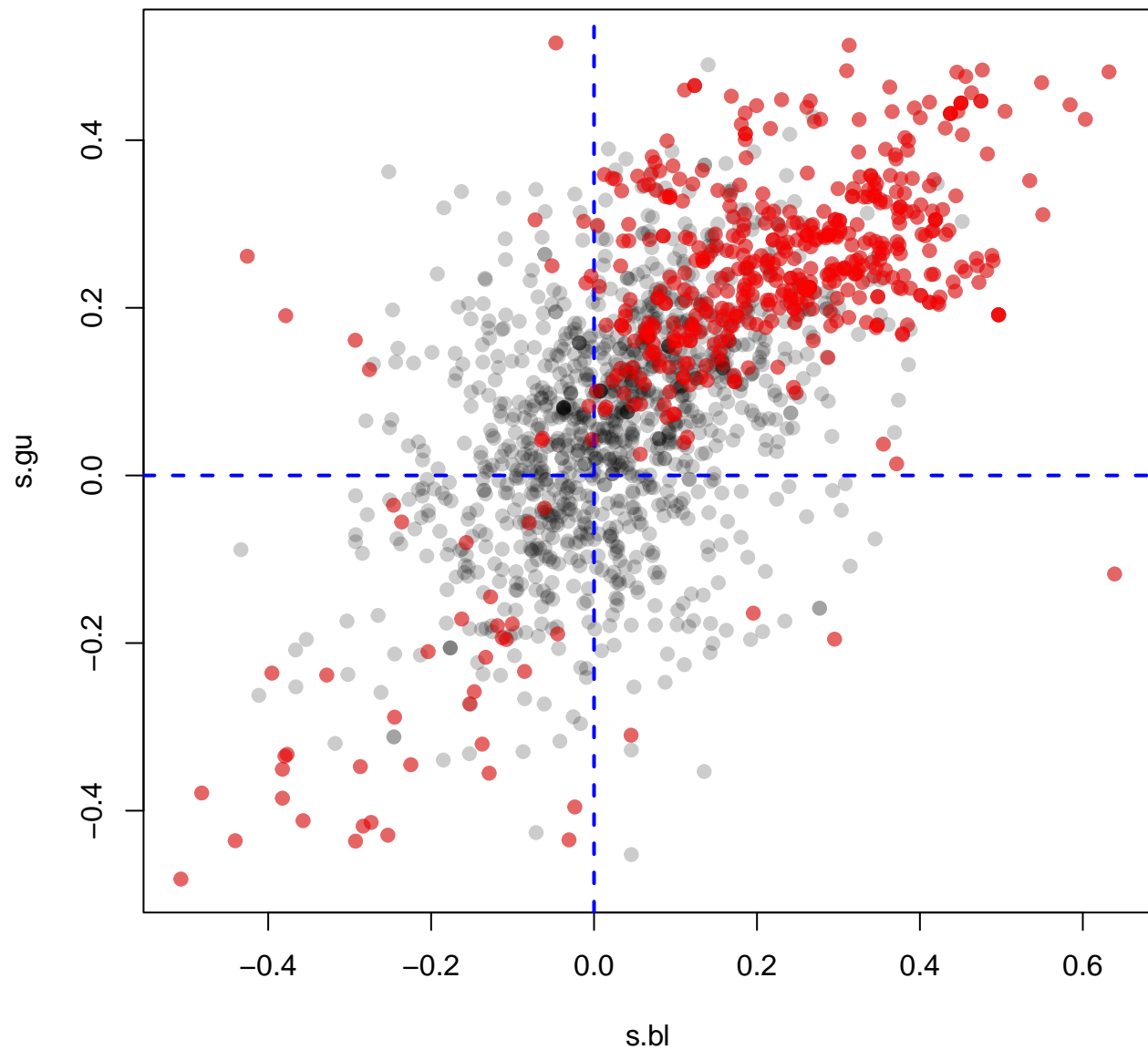
### Trimmed histogram of geneset size



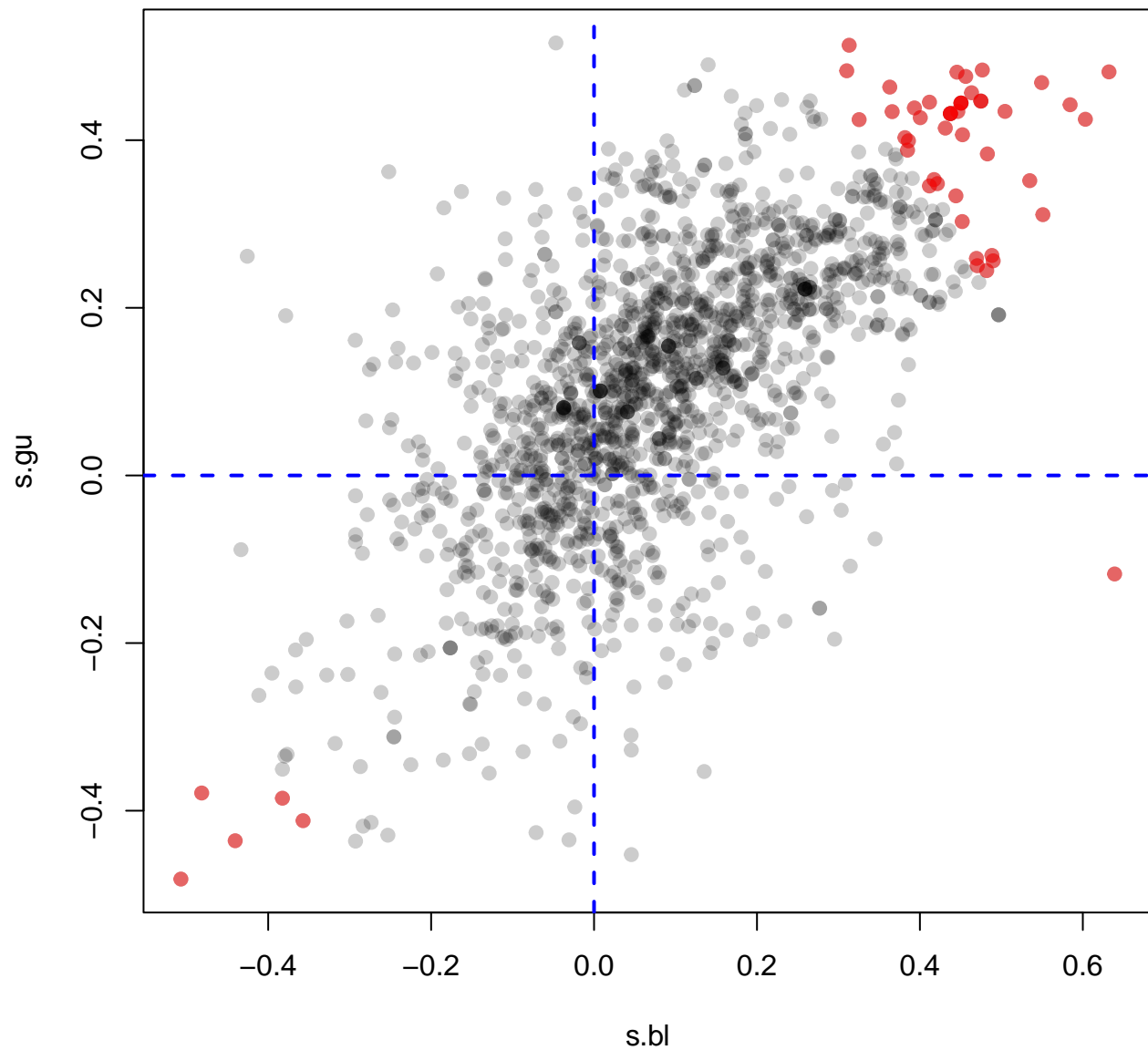
# number of genesets FDR<0.05



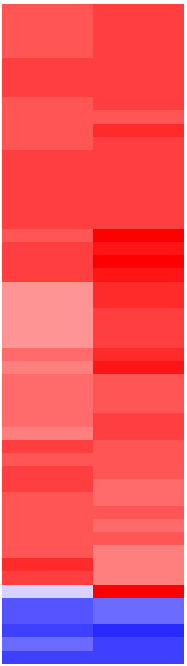
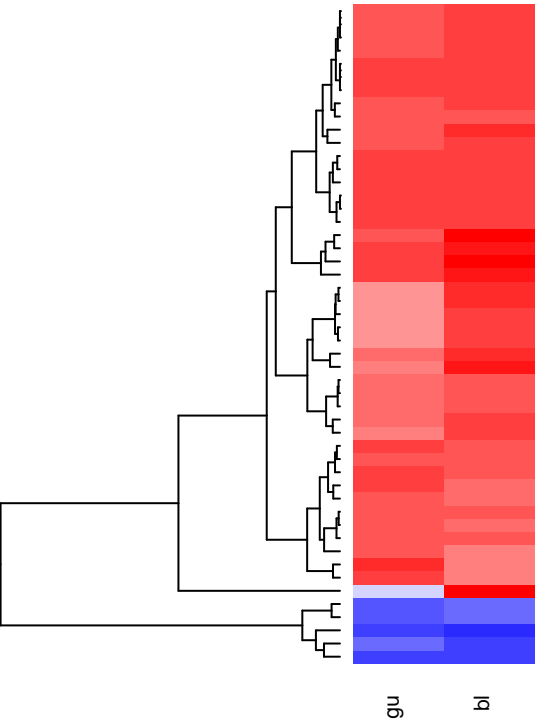
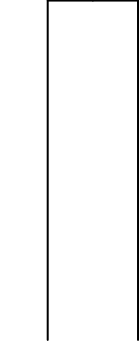
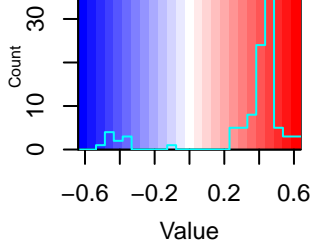
Scatterplot of all gene sets; FDR<0.05 in red



Scatterplot of all gene sets; top 50 in red



# Color Key and Histogram



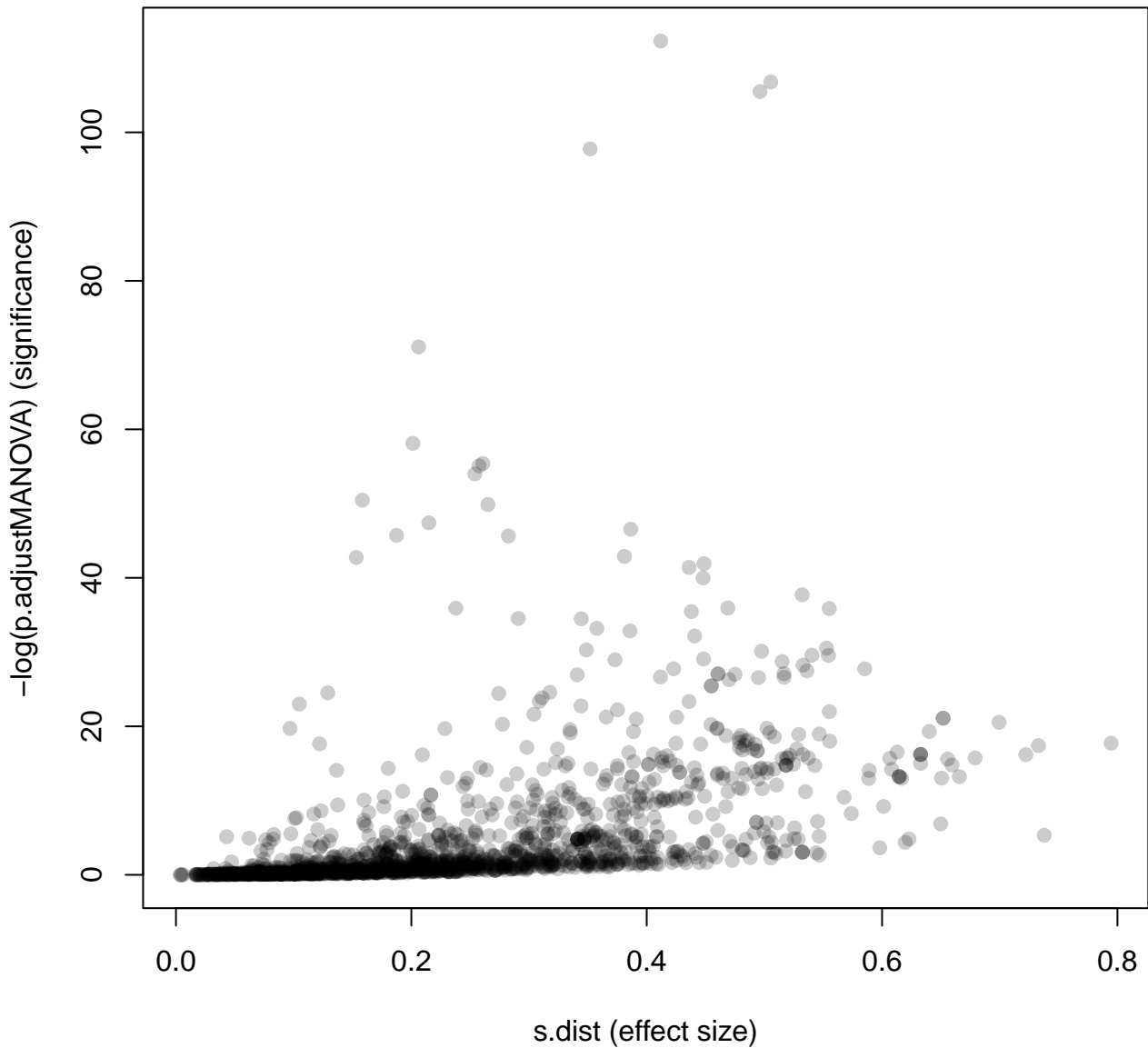
gu

bi

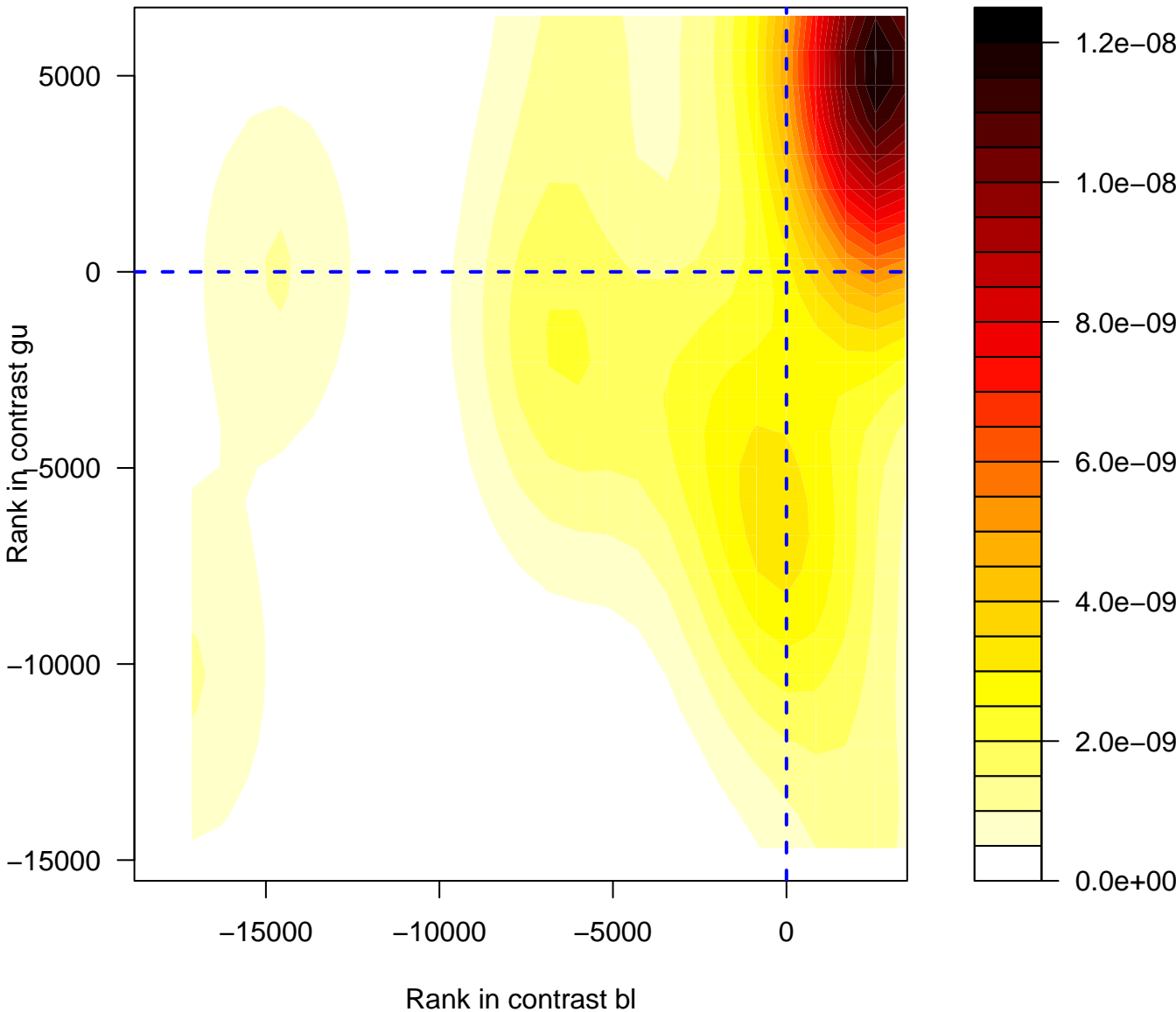
- Cleavage of the damaged purine
- TICAM1-dependent activation of IRF3/IRF7
- Cleavage of the damaged pyrimidine
- Condensation of Prophase Chromosomes
- DNA methylation
- Regulation of endogenous retroelements by the Human Silencing Hub (HUSH) complex
- Assembly of the ORC complex at the origin of replication
- Deposition of new CENPA-containing nucleosomes at the centromere
- Pexophagy
- RNA Polymerase I Promoter Opening
- Peptide chain elongation
- Eukaryotic Translation Elongation
- Selenocysteine synthesis
- SARS-CoV-1 modulates host translation machinery
- TICAM1, TRAF6-dependent induction of TAK1 complex
- B-WICH complex positively regulates rRNA expression
- ERCC6 (CSB) and EHMT2 (G9a) positively regulate rRNA expression
- Base-Excision Repair, AP Site Formation
- PINK1-PRKN Mediated Mitophagy
- Assembly of the pre-replicative complex
- Mitophagy
- APC/C:Cdc20 mediated degradation of Cyclin B
- Sensory perception of taste
- Class C/3 (Metabotropic glutamate/pheromone receptors)
- Scavenging of heme from plasma



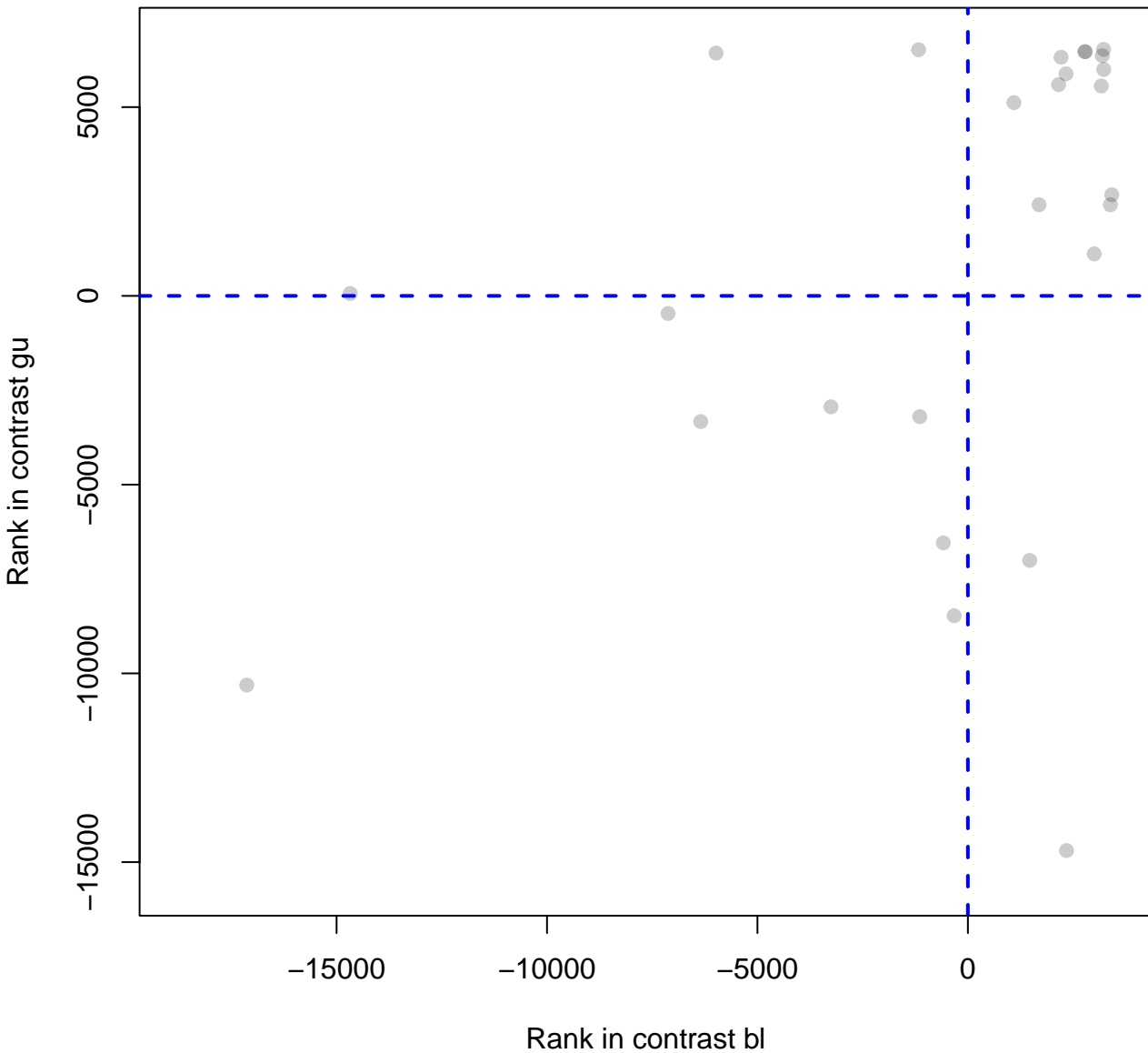
# effect size versus statistical significance



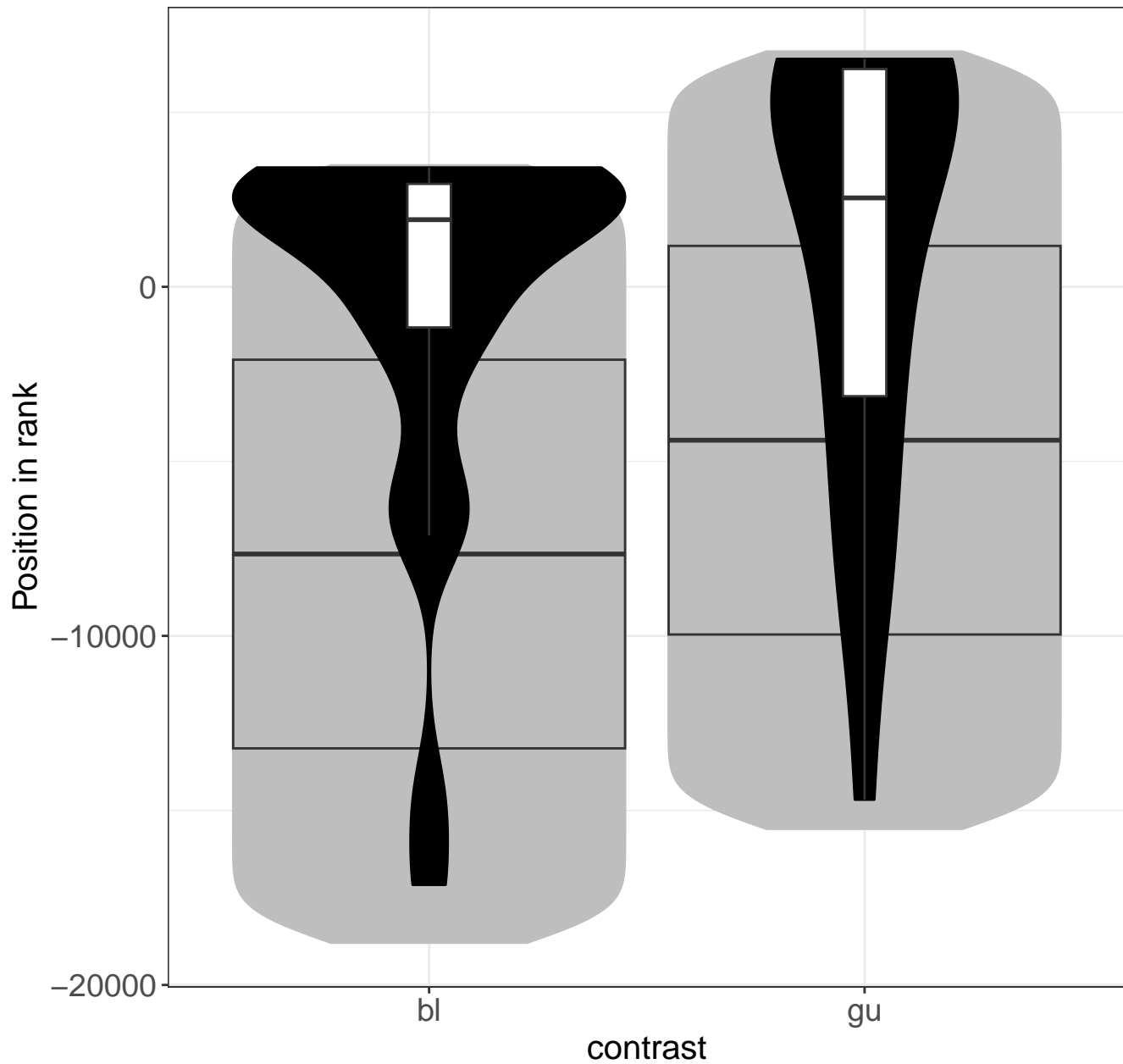
# RNA Polymerase I Promoter Opening



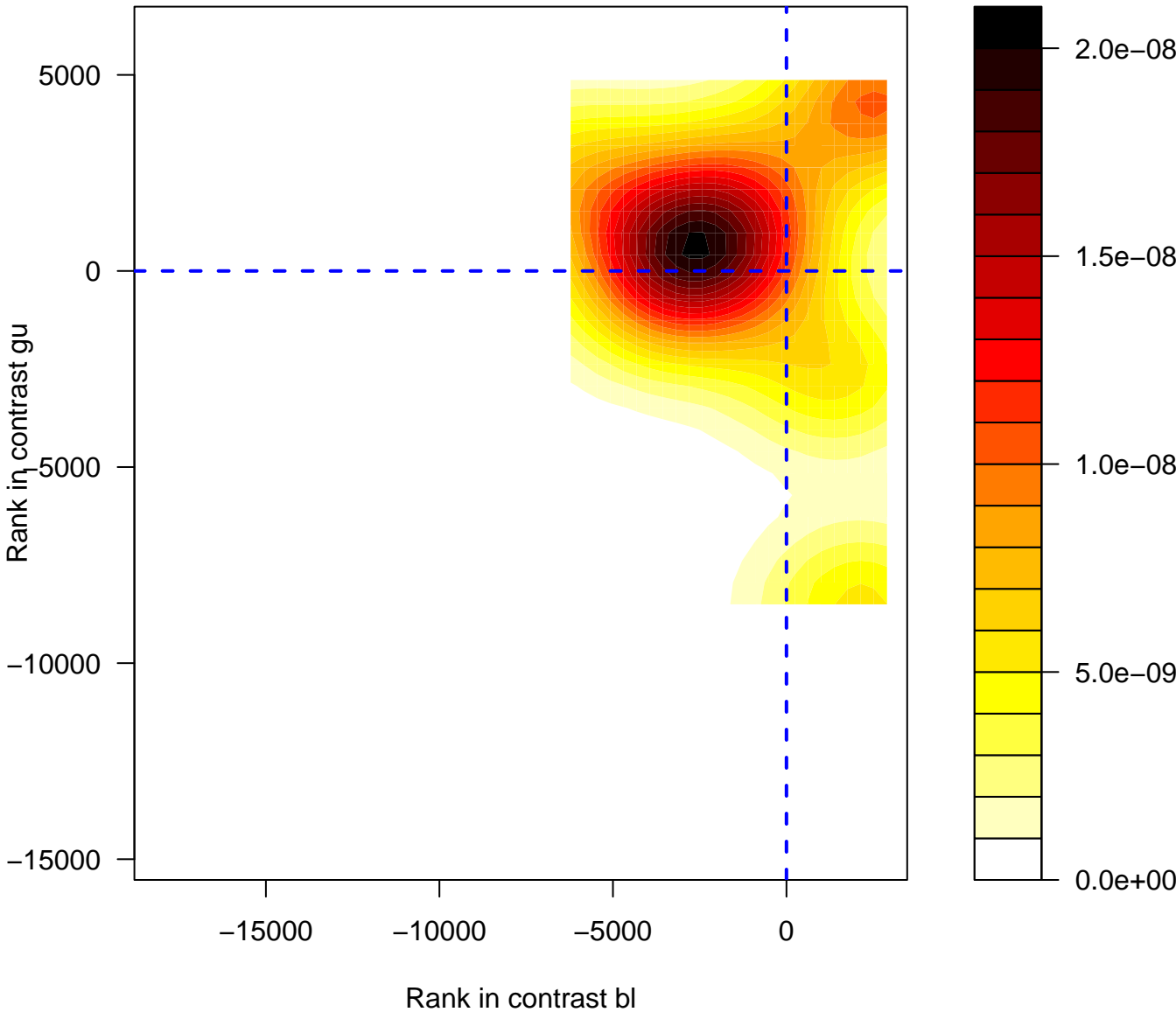
# RNA Polymerase I Promoter Opening



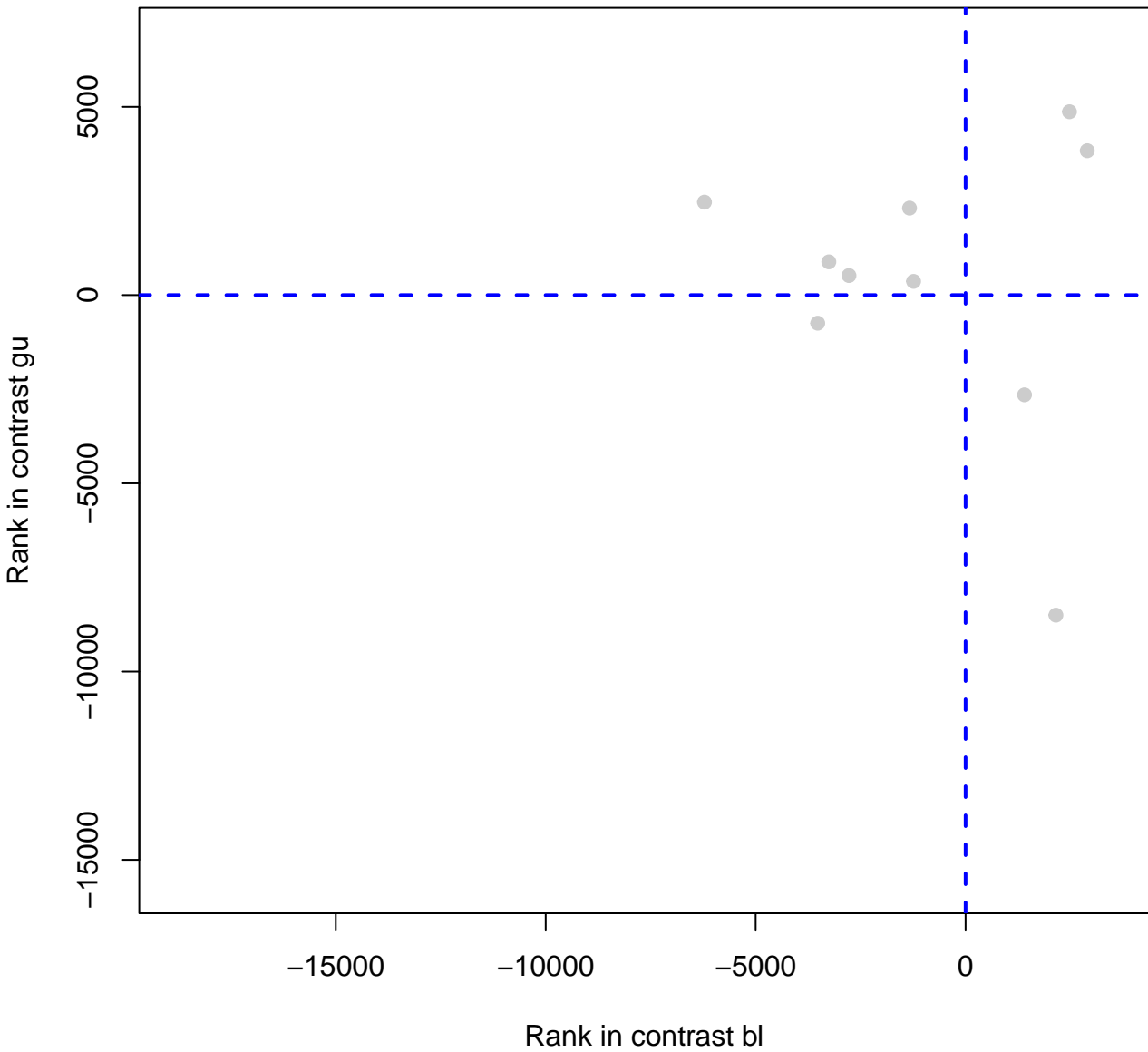
# RNA Polymerase I Promoter Opening



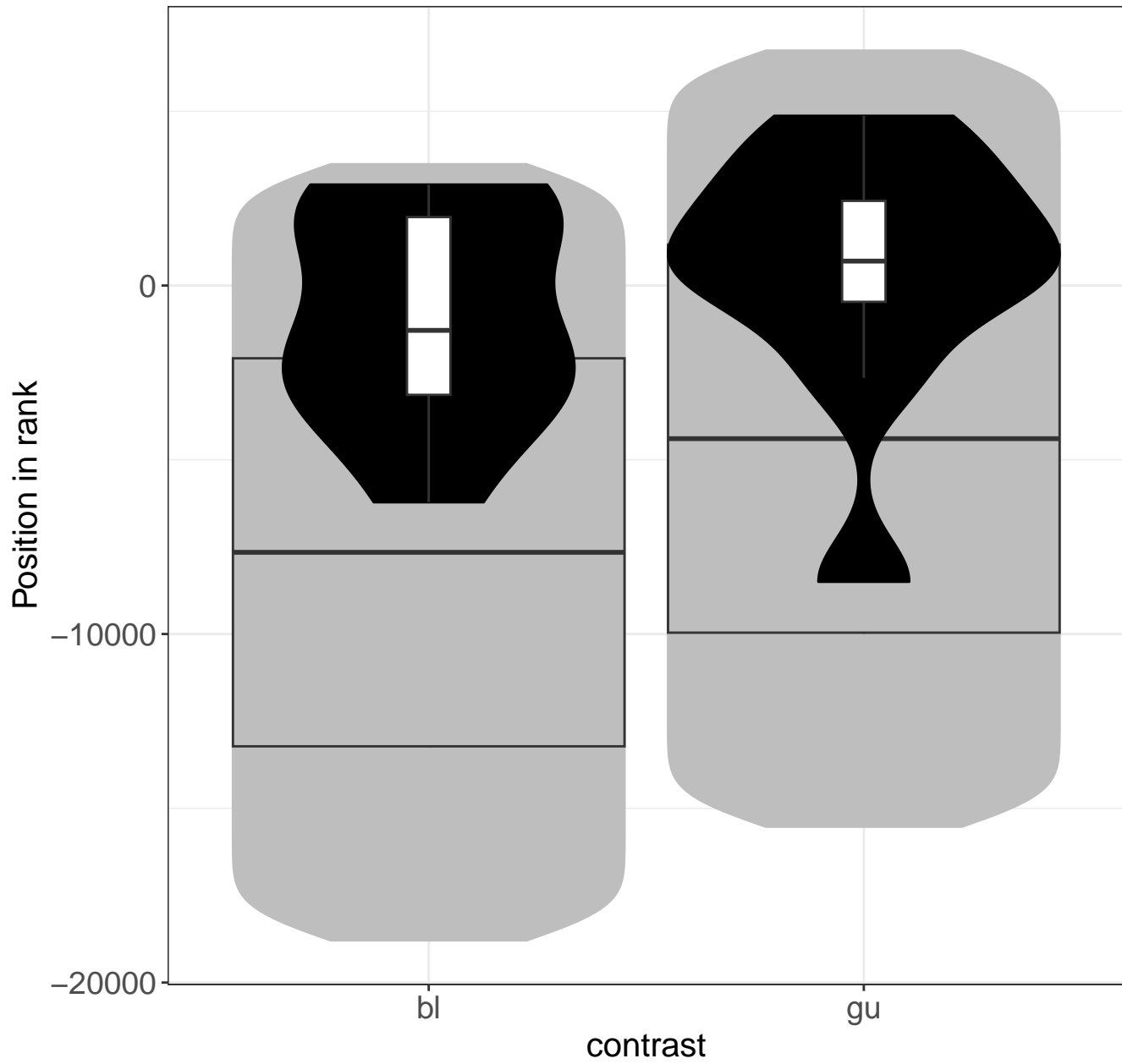
# Pexophagy



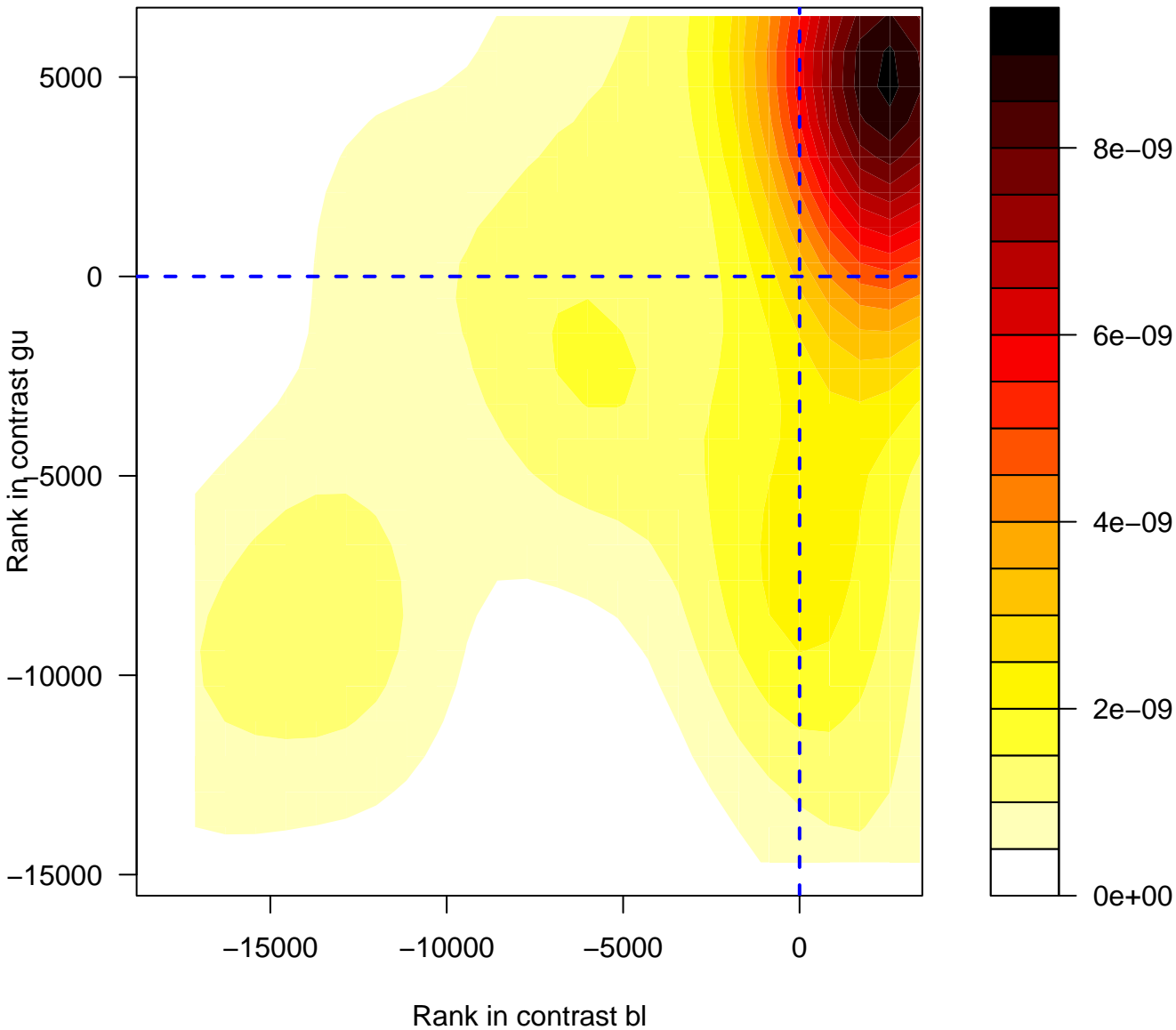
# Pexophagy



# Pexophagy

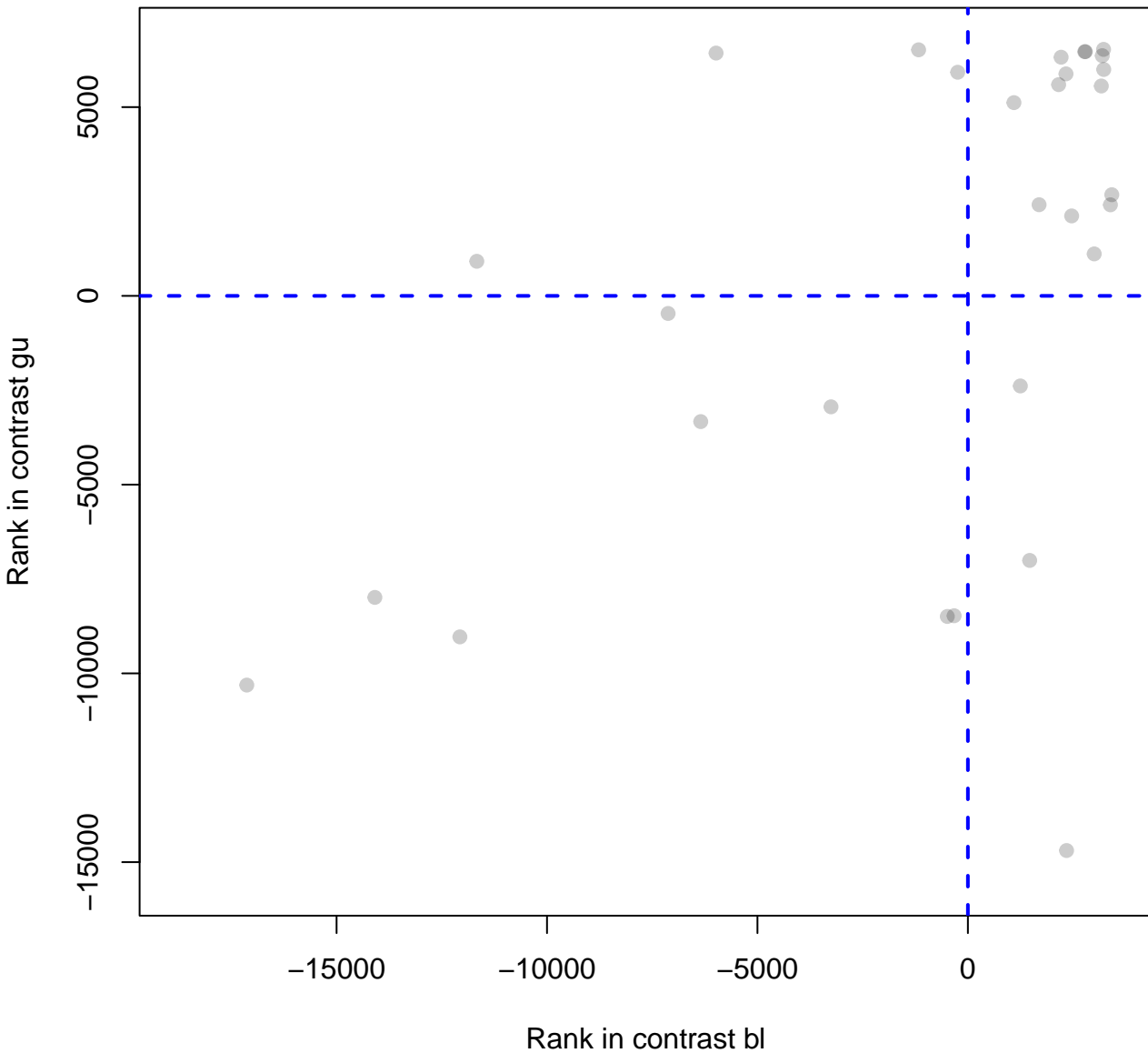


# SIRT1 negatively regulates rRNA expression

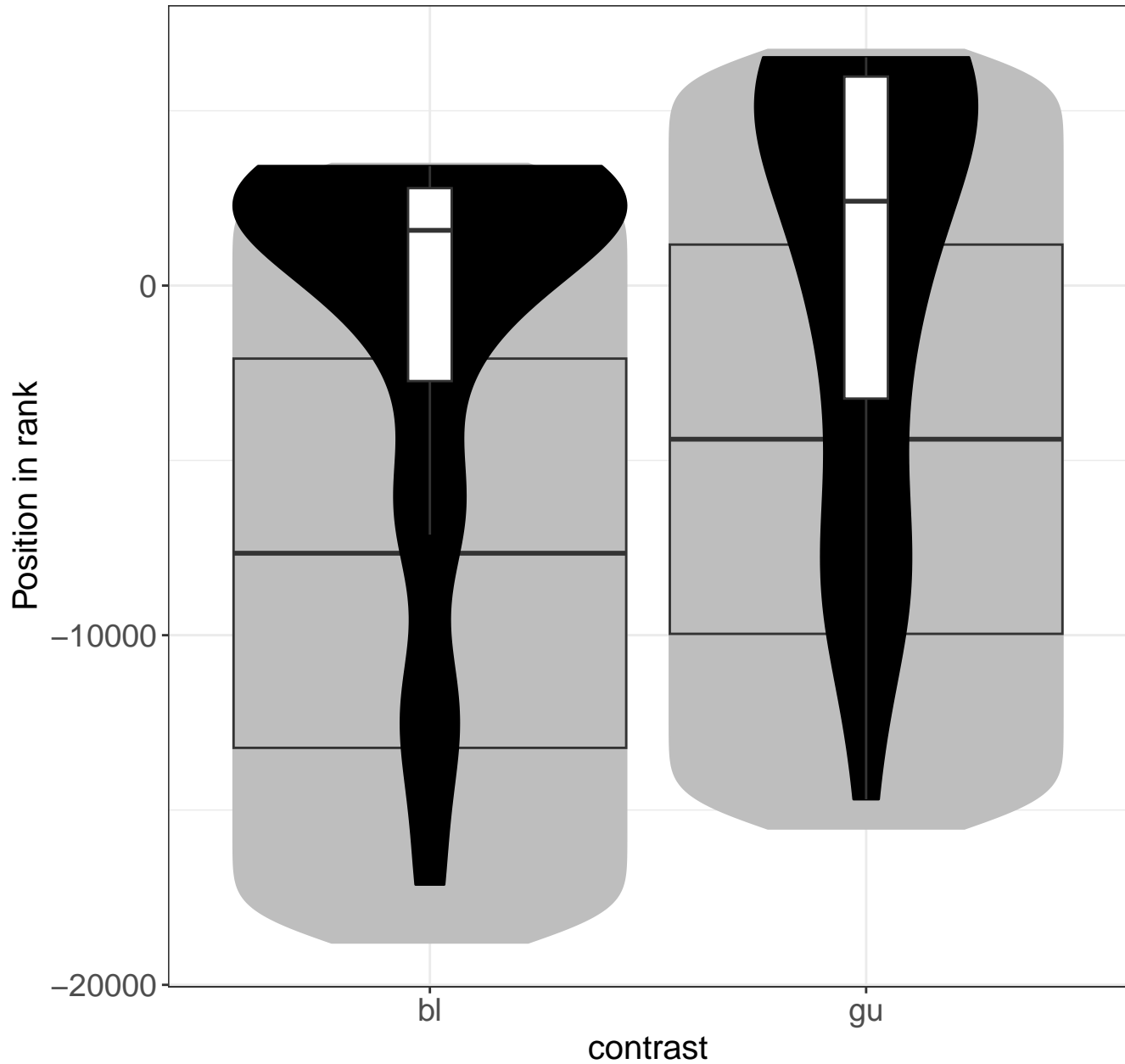




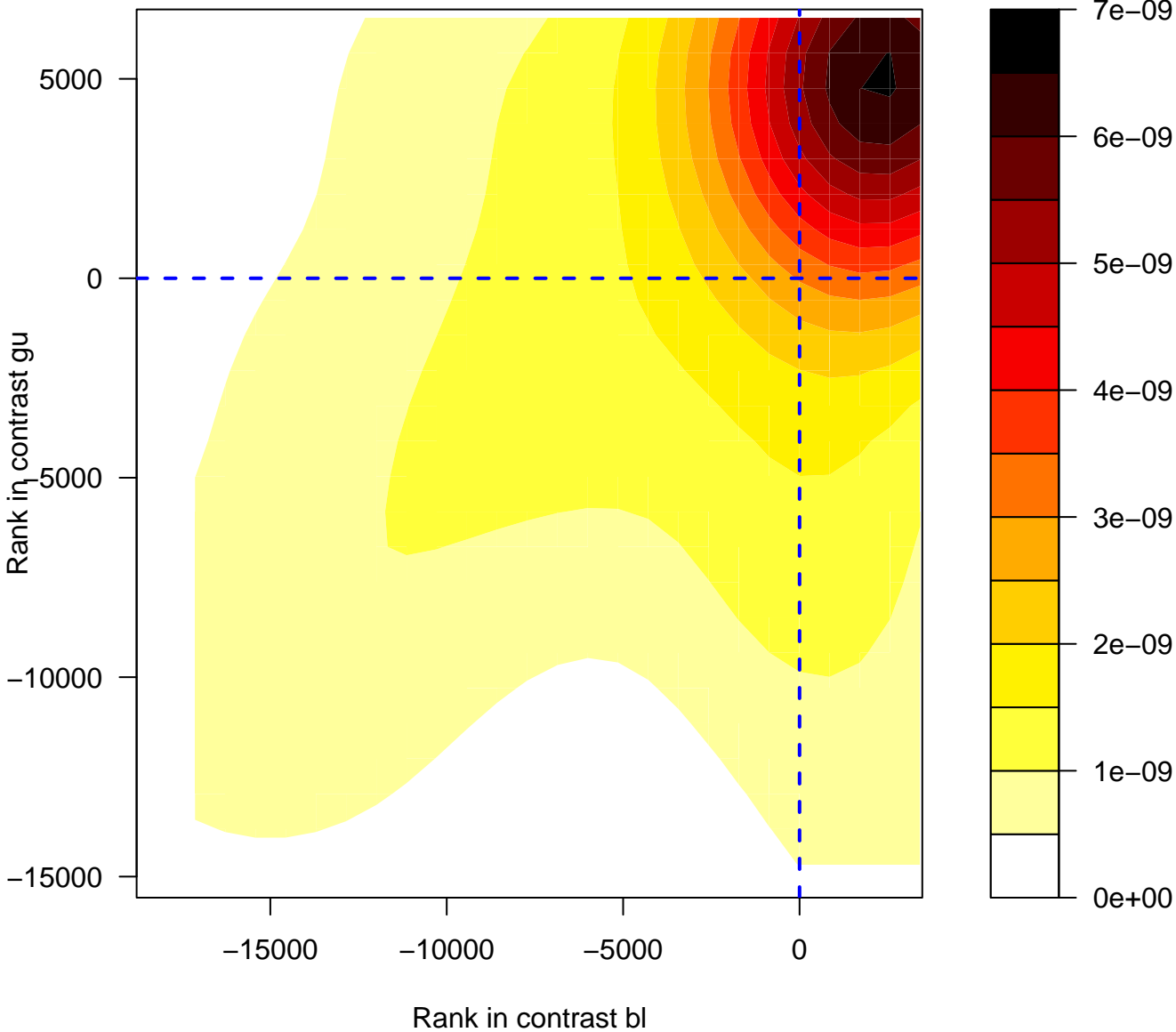
# SIRT1 negatively regulates rRNA expression



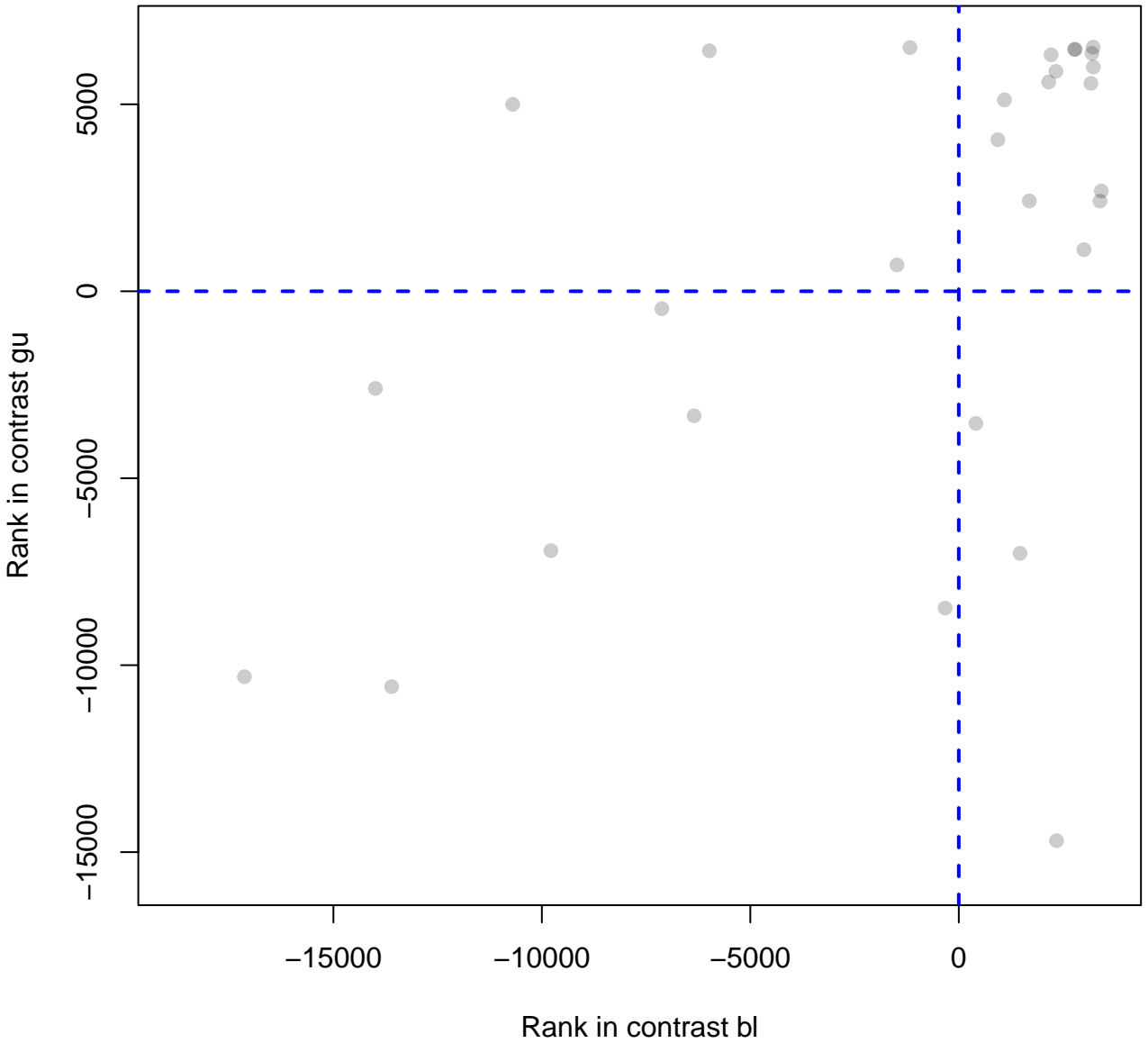
# SIRT1 negatively regulates rRNA expression



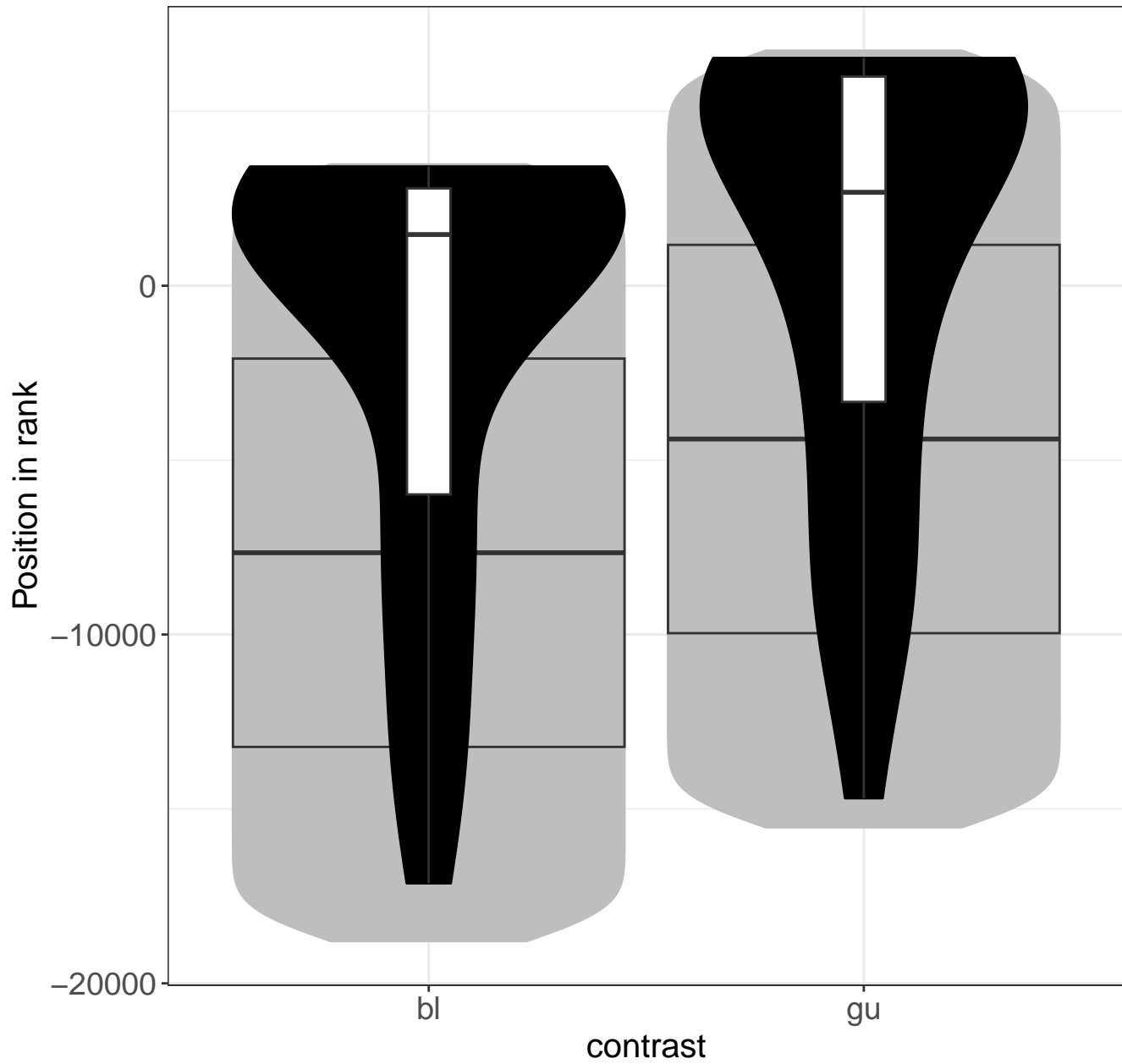
# Packaging Of Telomere Ends



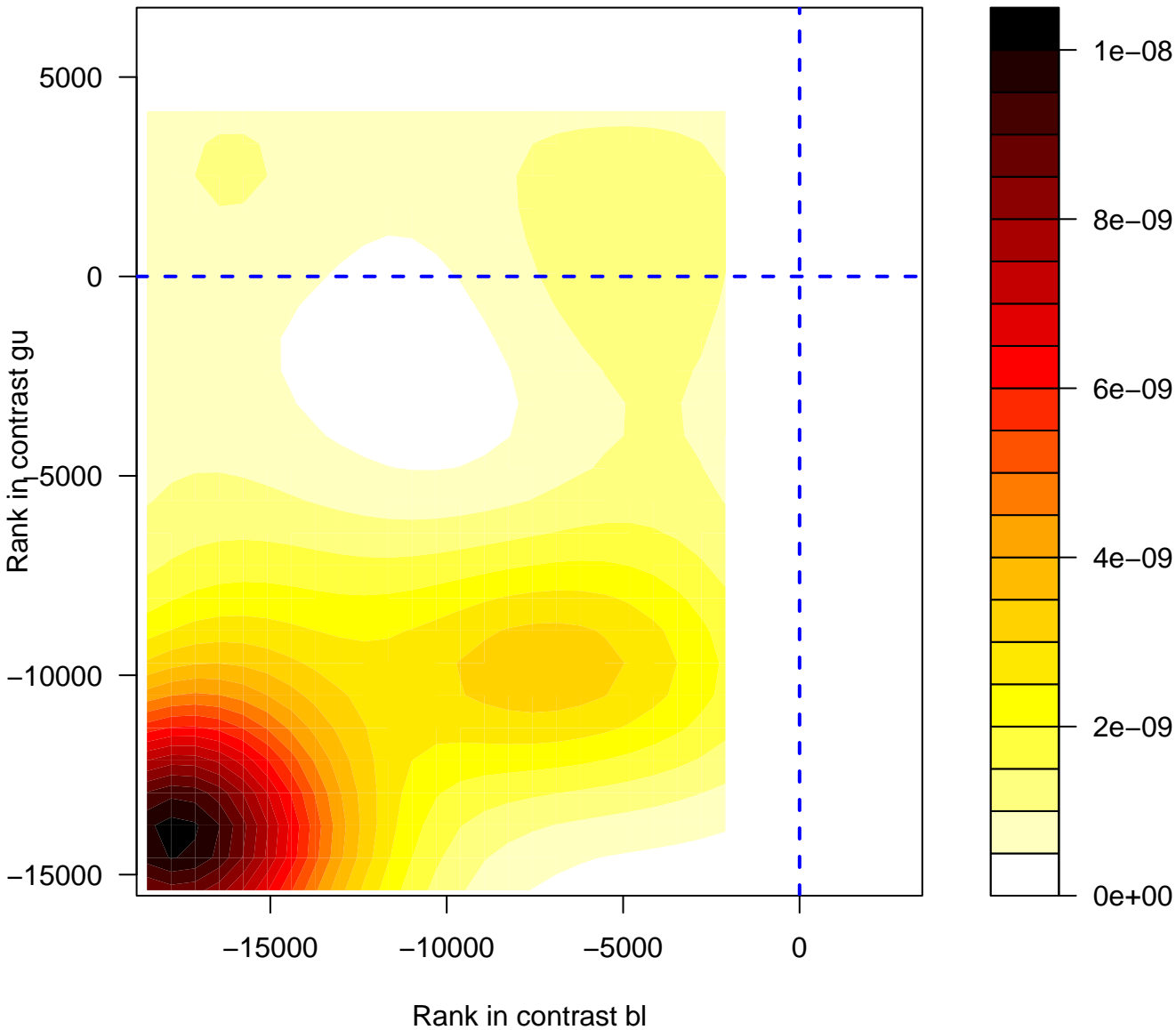
# Packaging Of Telomere Ends



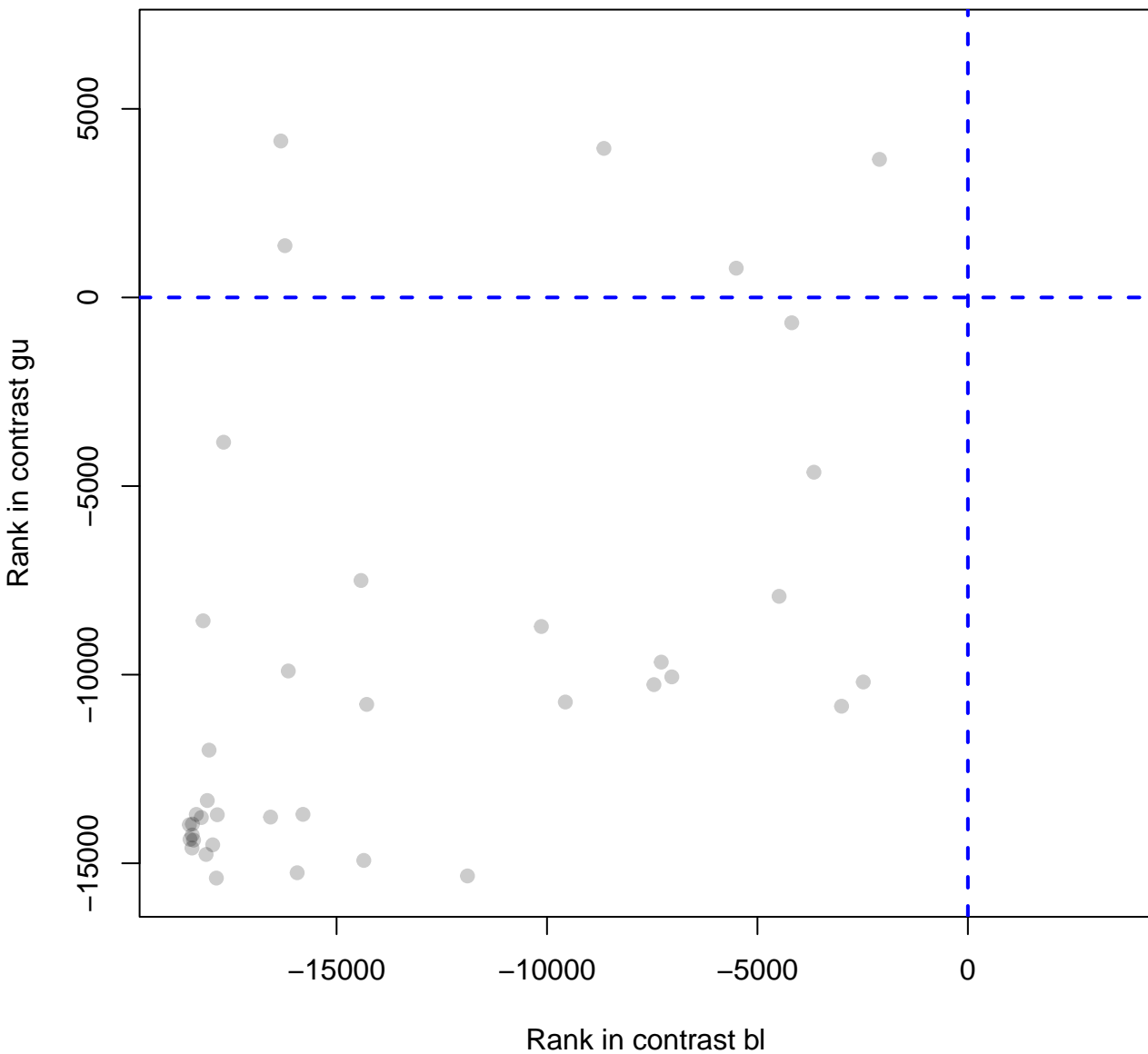
# Packaging Of Telomere Ends



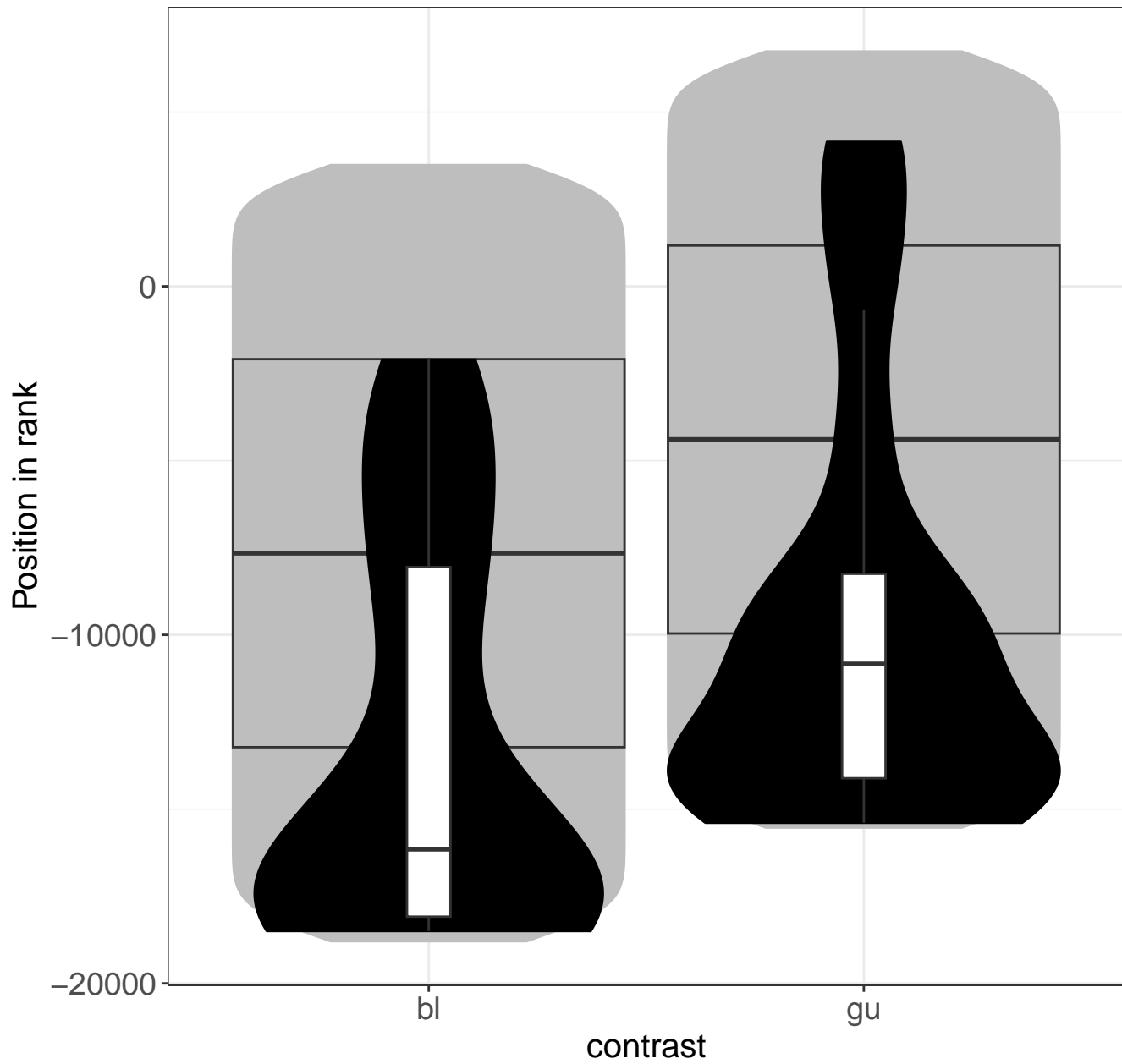
# Class C/3 (Metabotropic glutamate/pheromone receptors)



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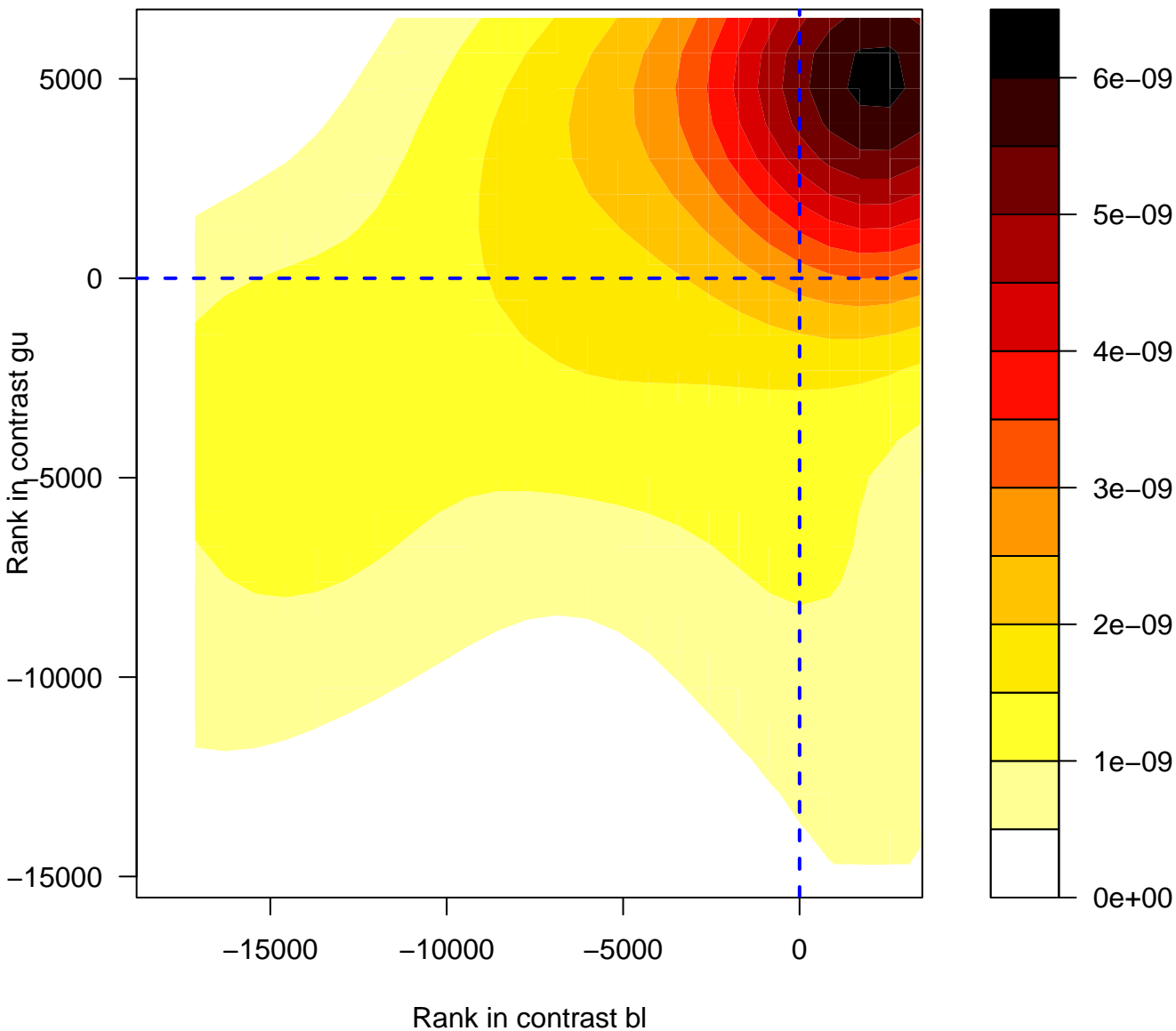


# Class C/3 (Metabotropic glutamate/pheromone r

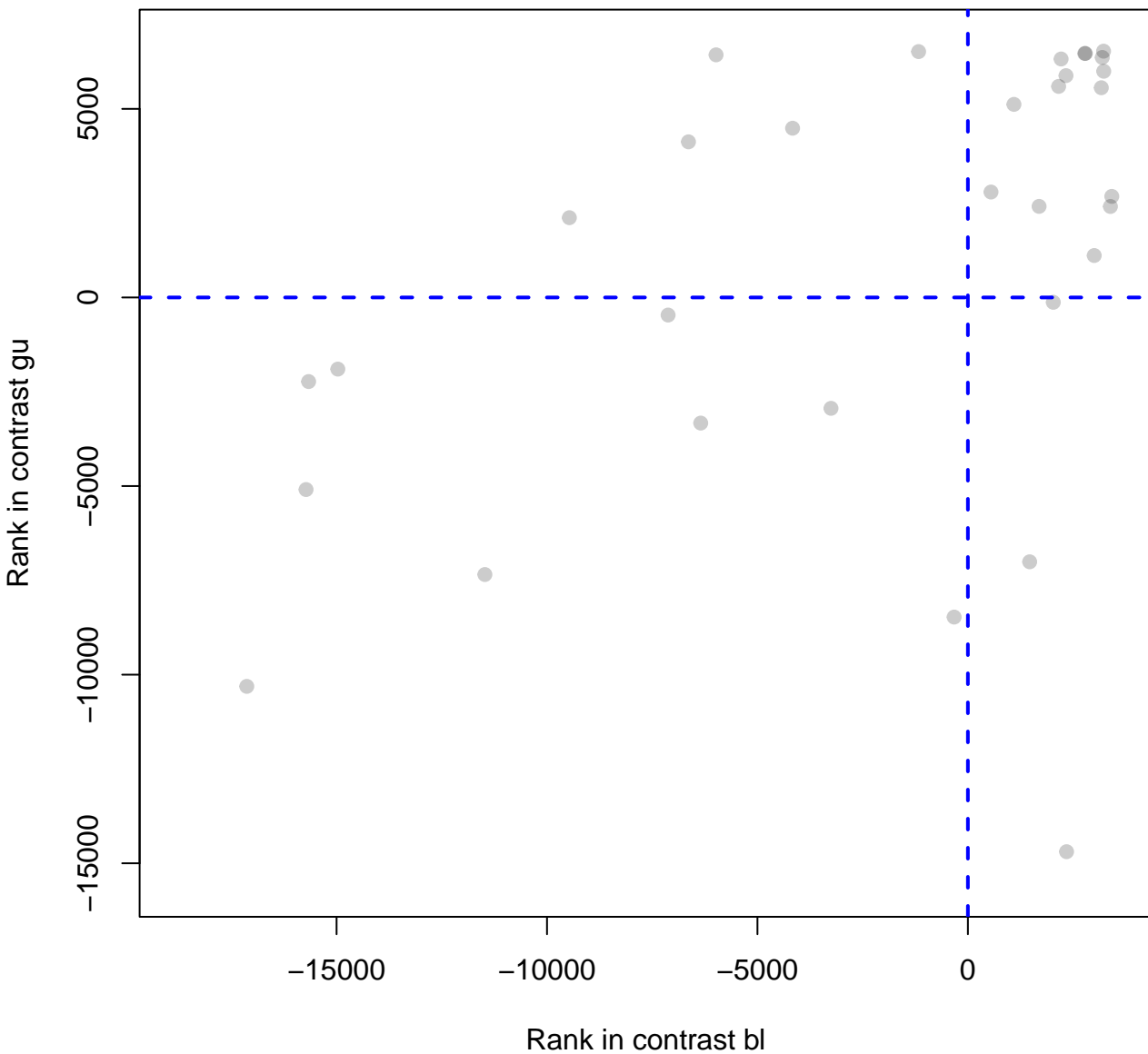




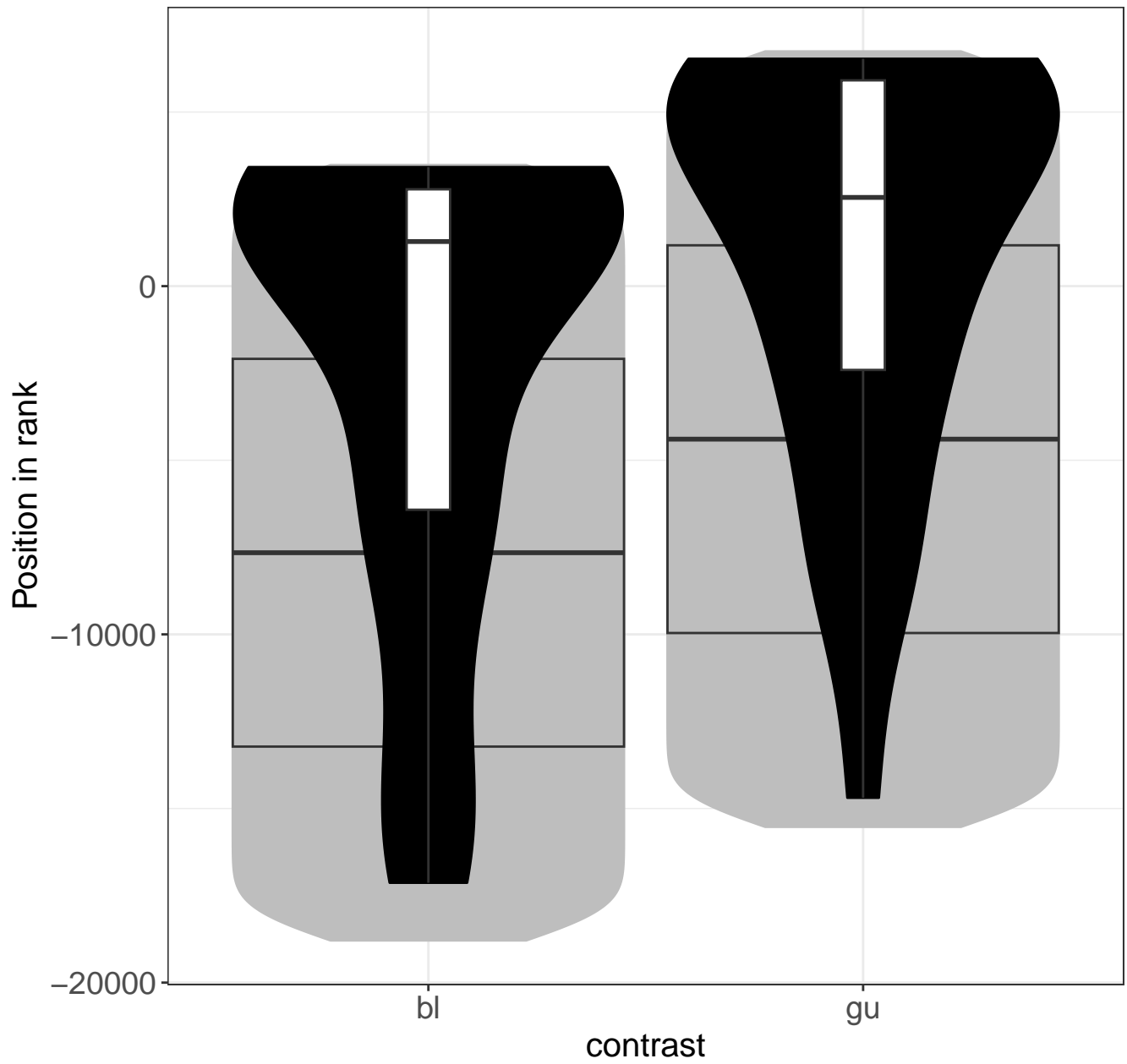
# Assembly of the ORC complex at the origin of replicatio



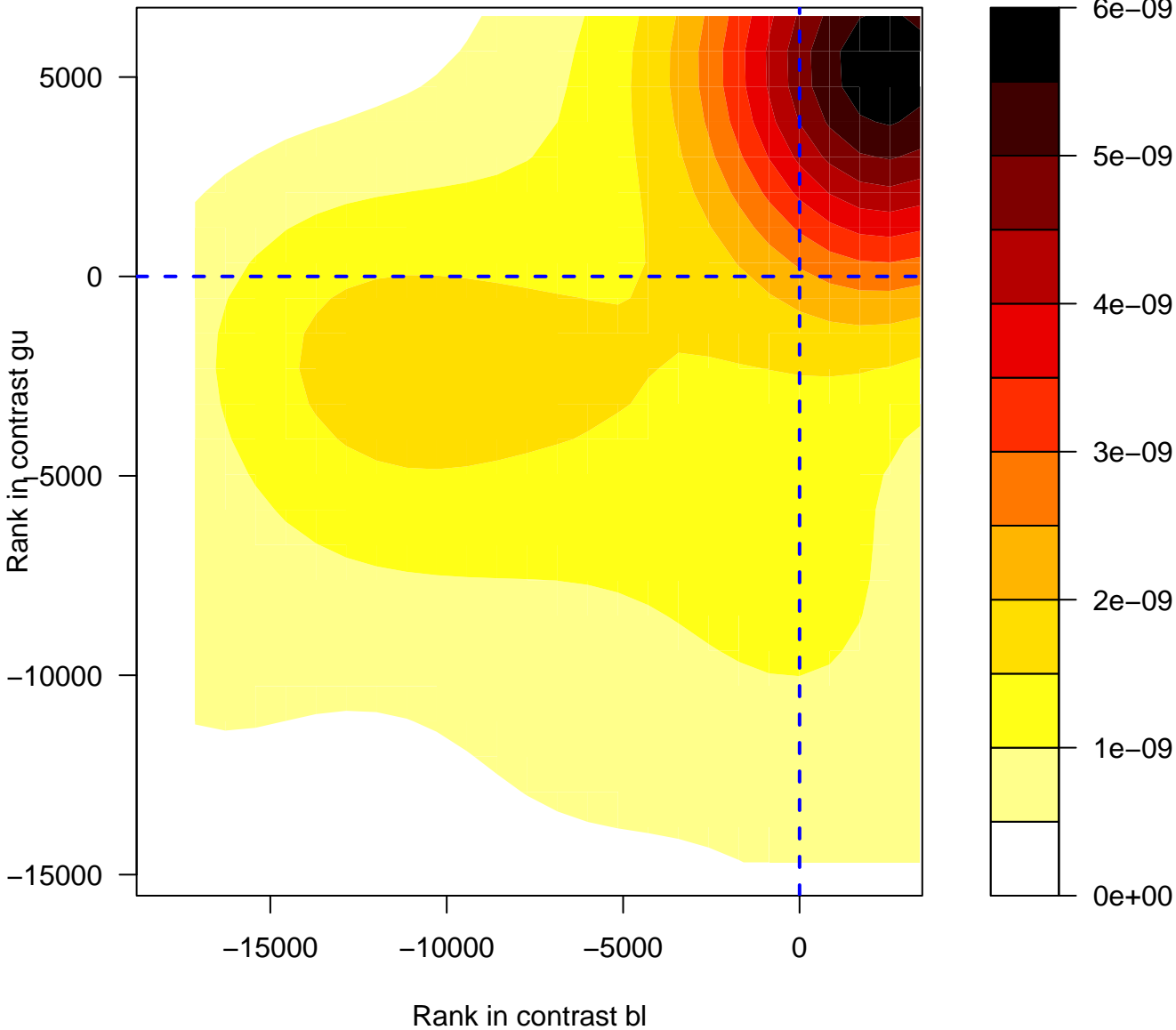
# Assembly of the ORC complex at the origin of replication



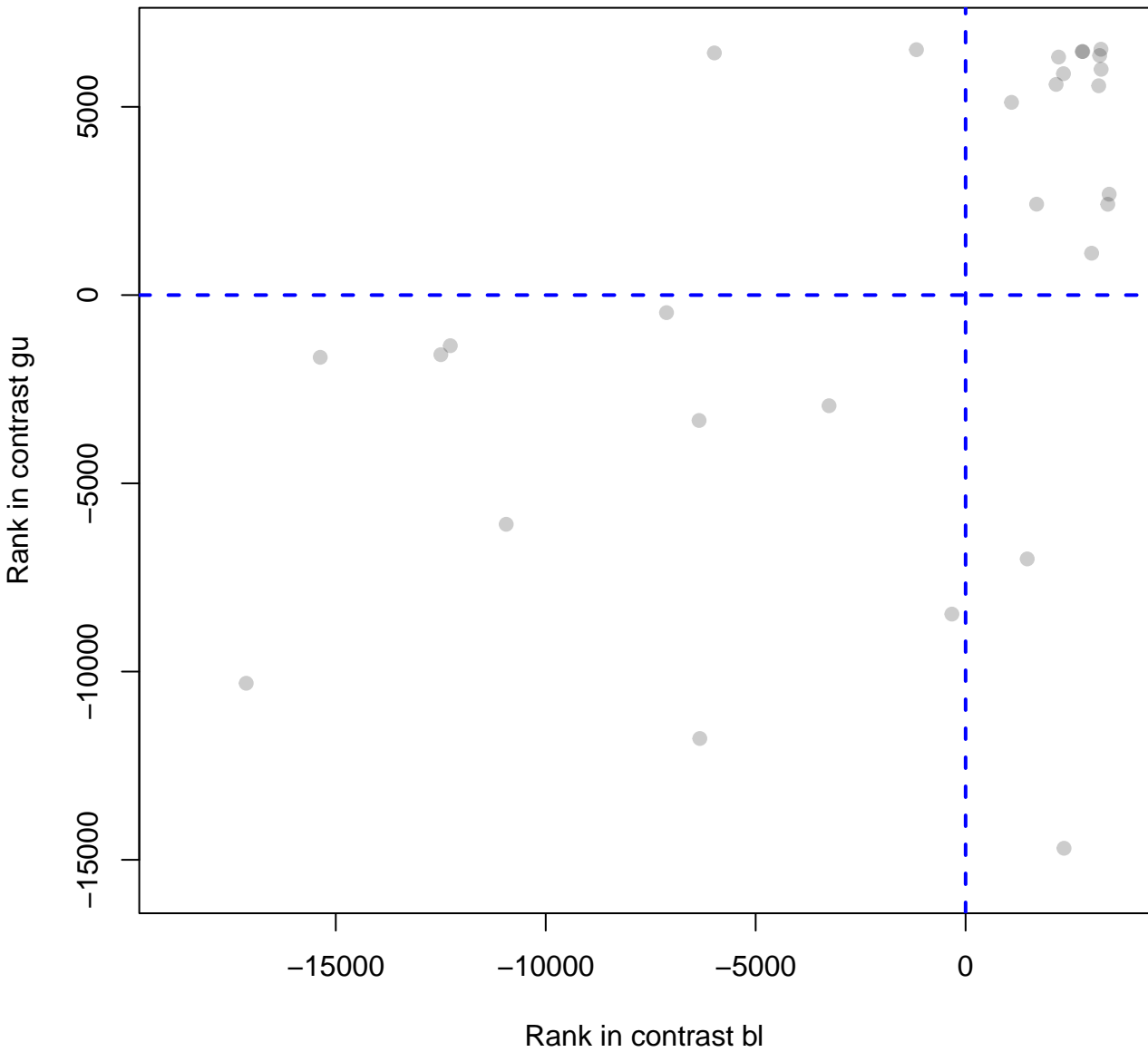
# Assembly of the ORC complex at the origin of replication



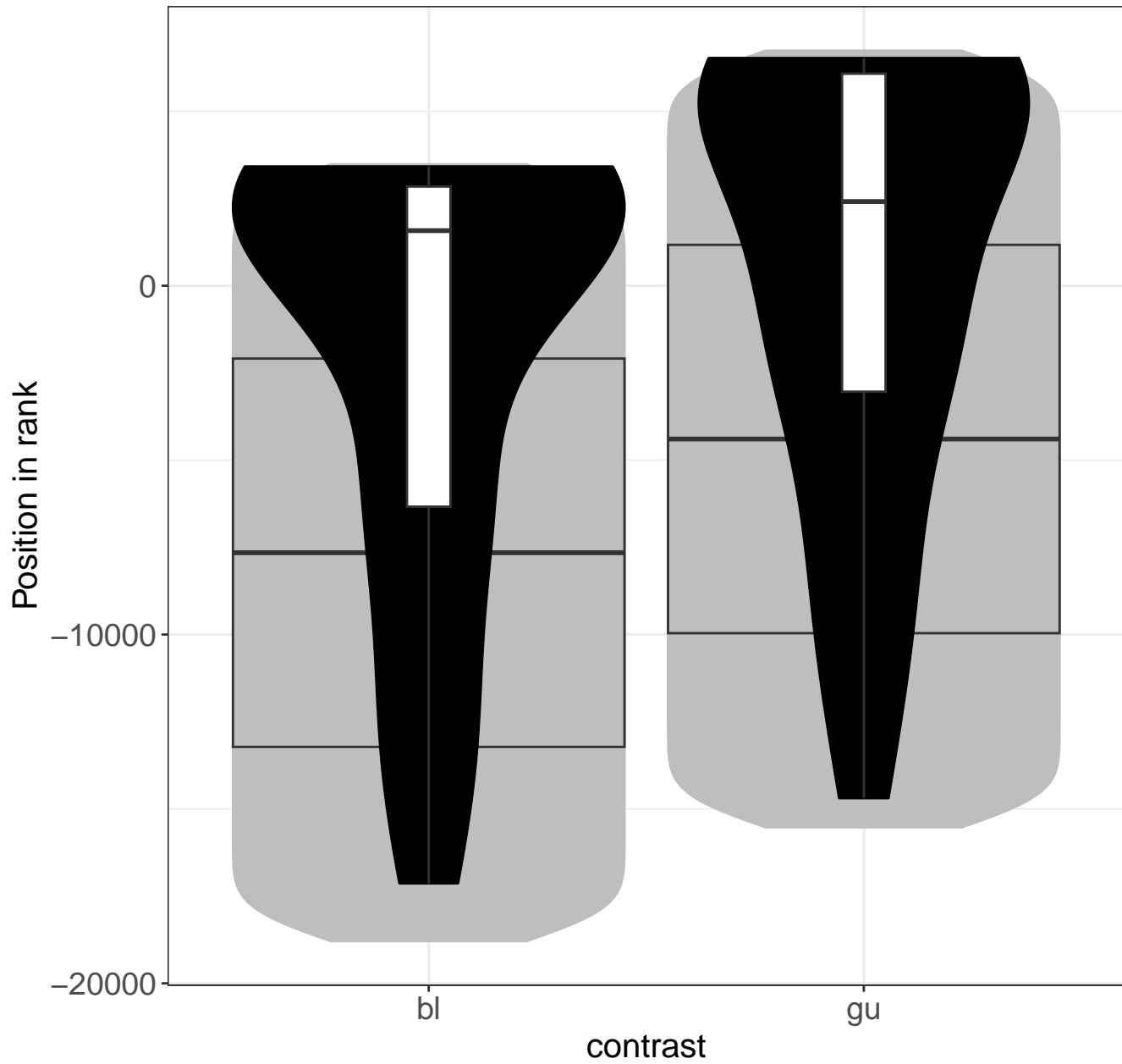
# DNA methylation



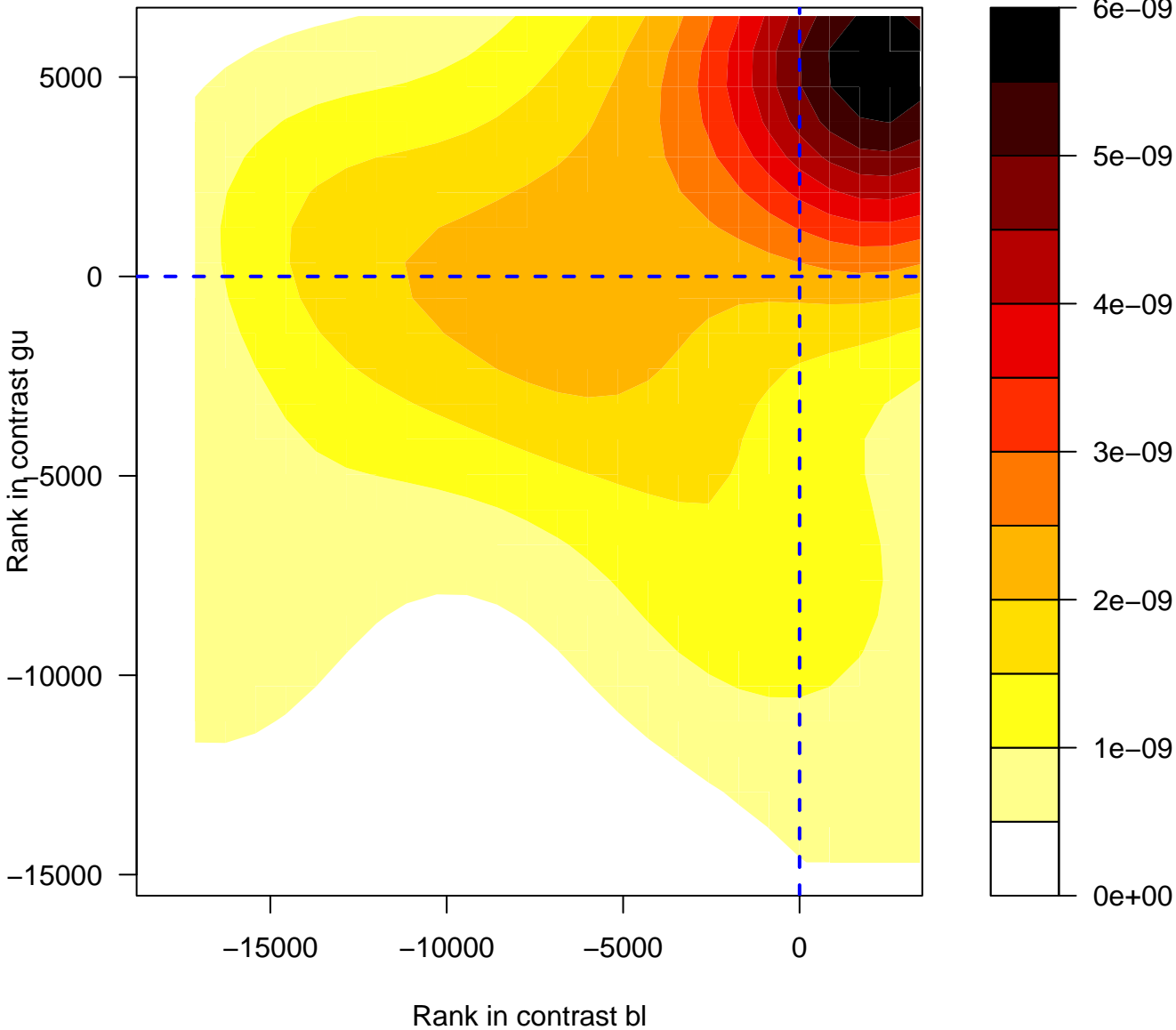
## DNA methylation



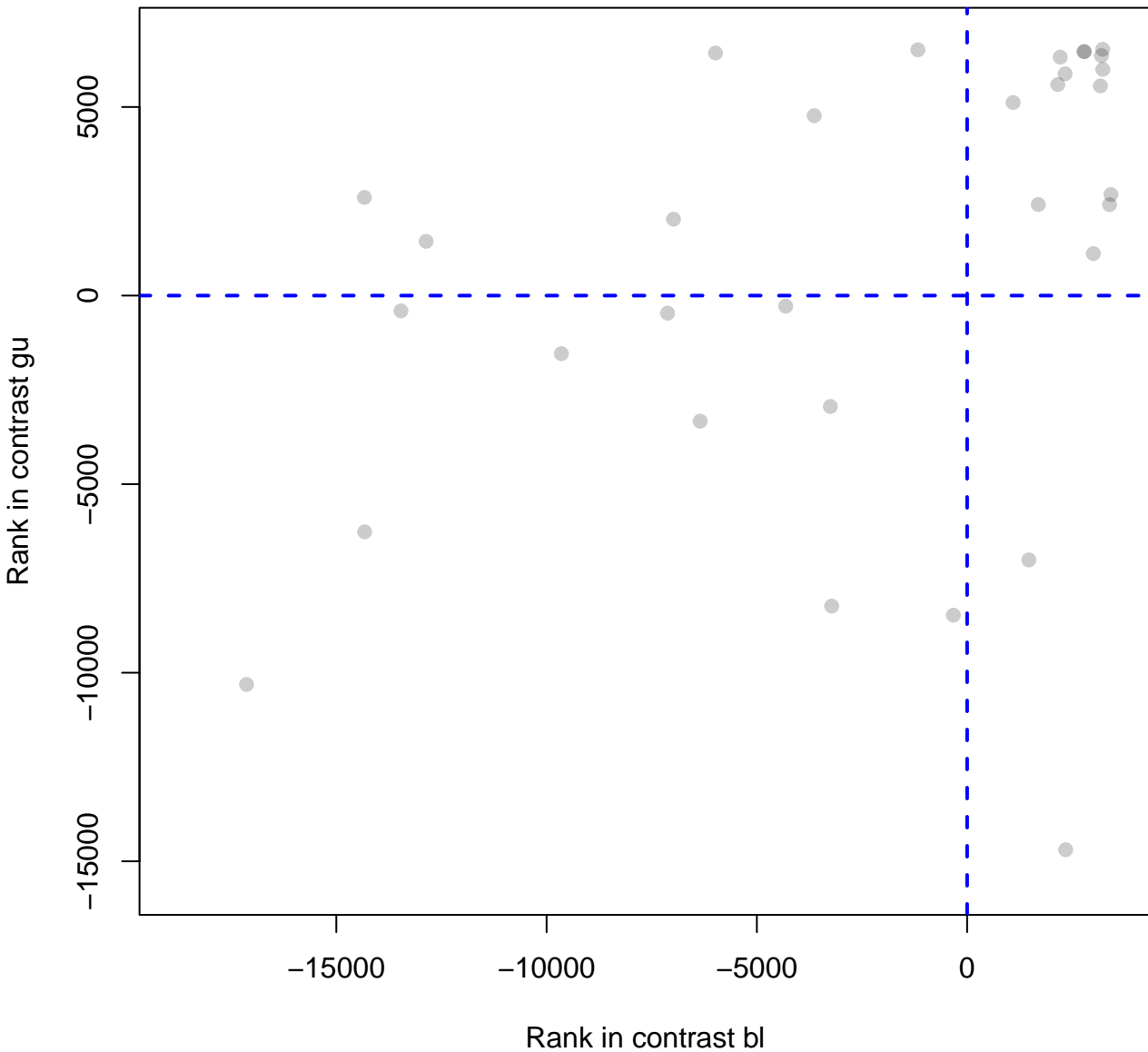
# DNA methylation



# Rank of endogenous retroelements by the Human Silencing Hub

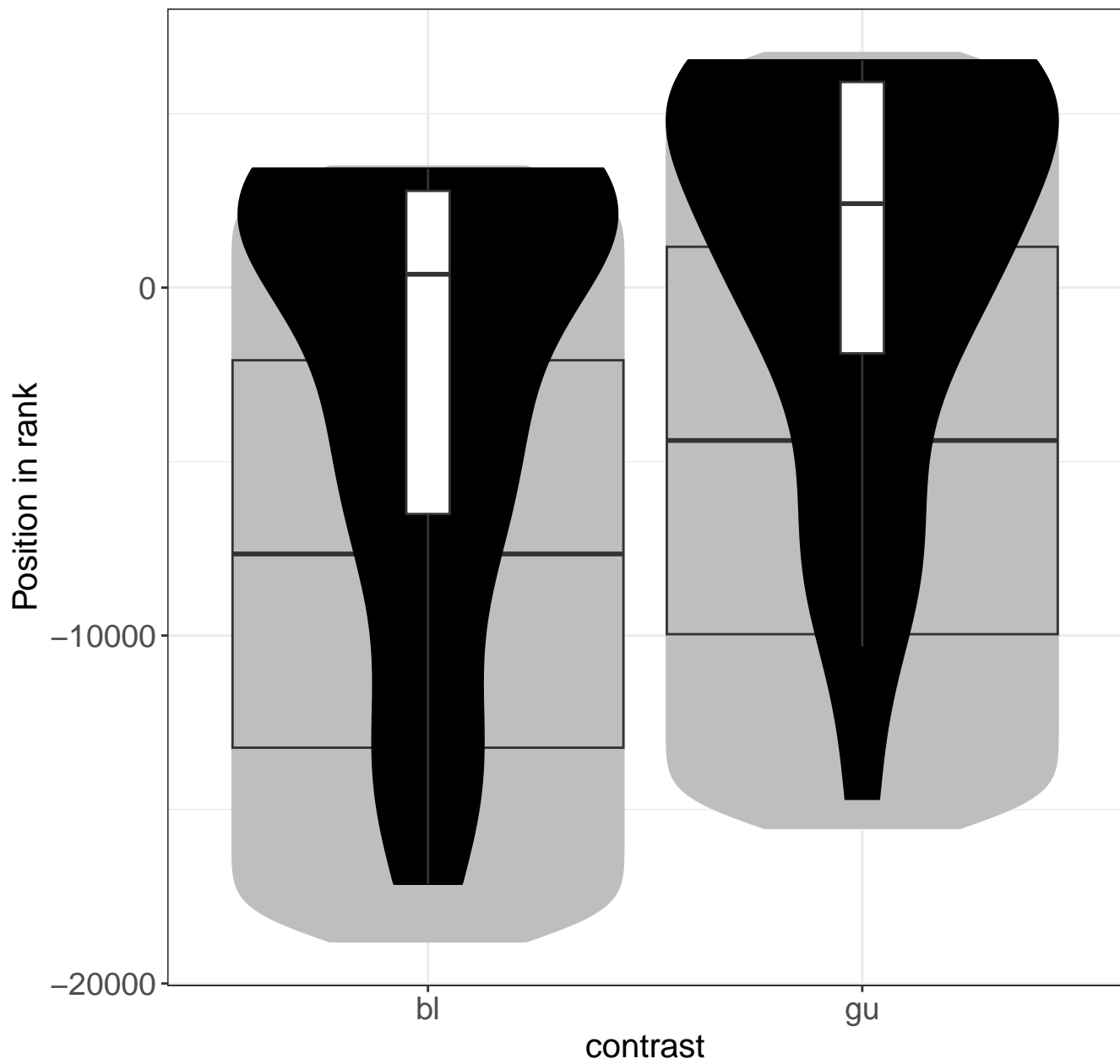


# Regulation of endogenous retroelements by the Human Silencing Hub (HUSH) c

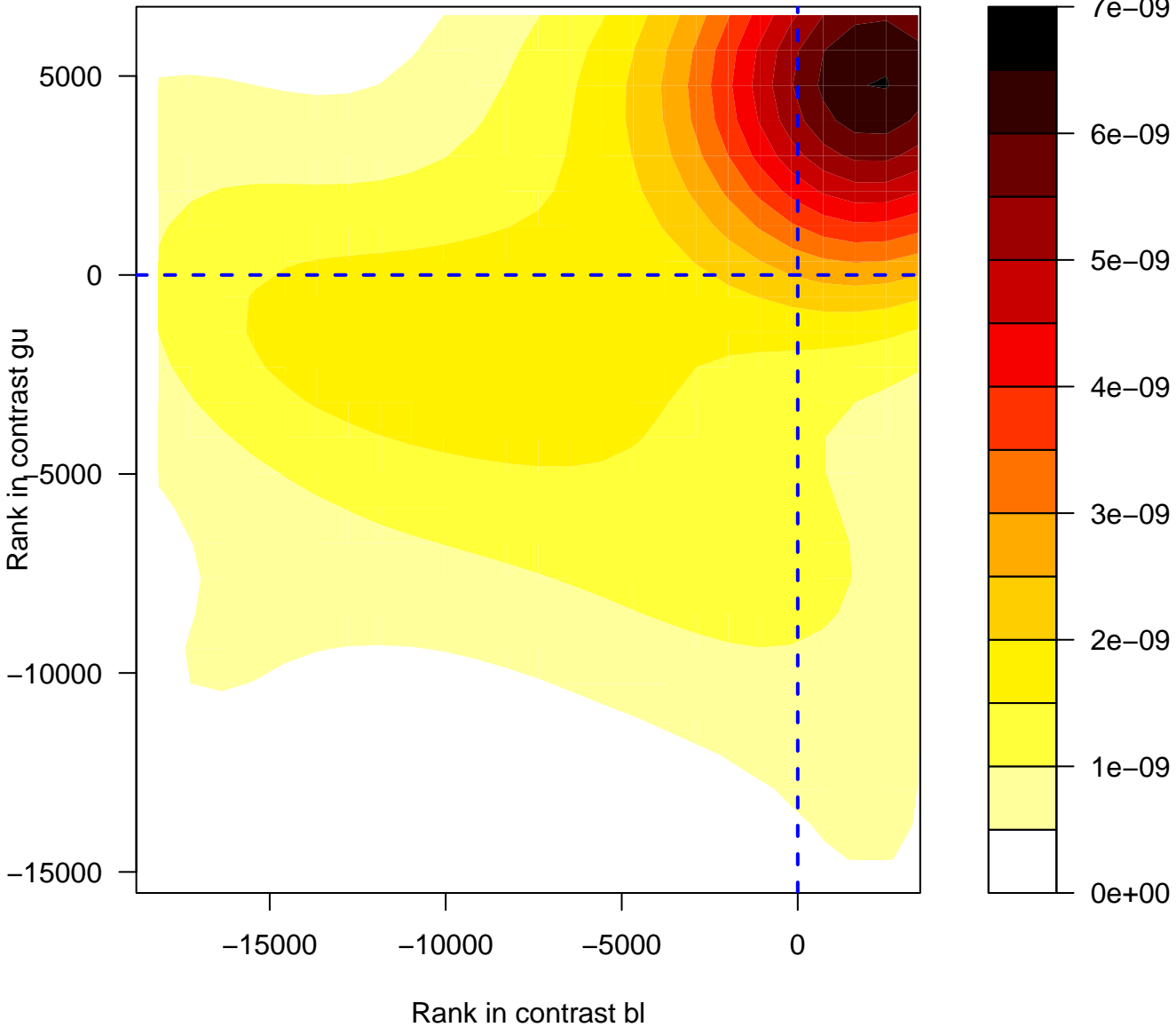




# Regulation of endogenous retroelements by the I

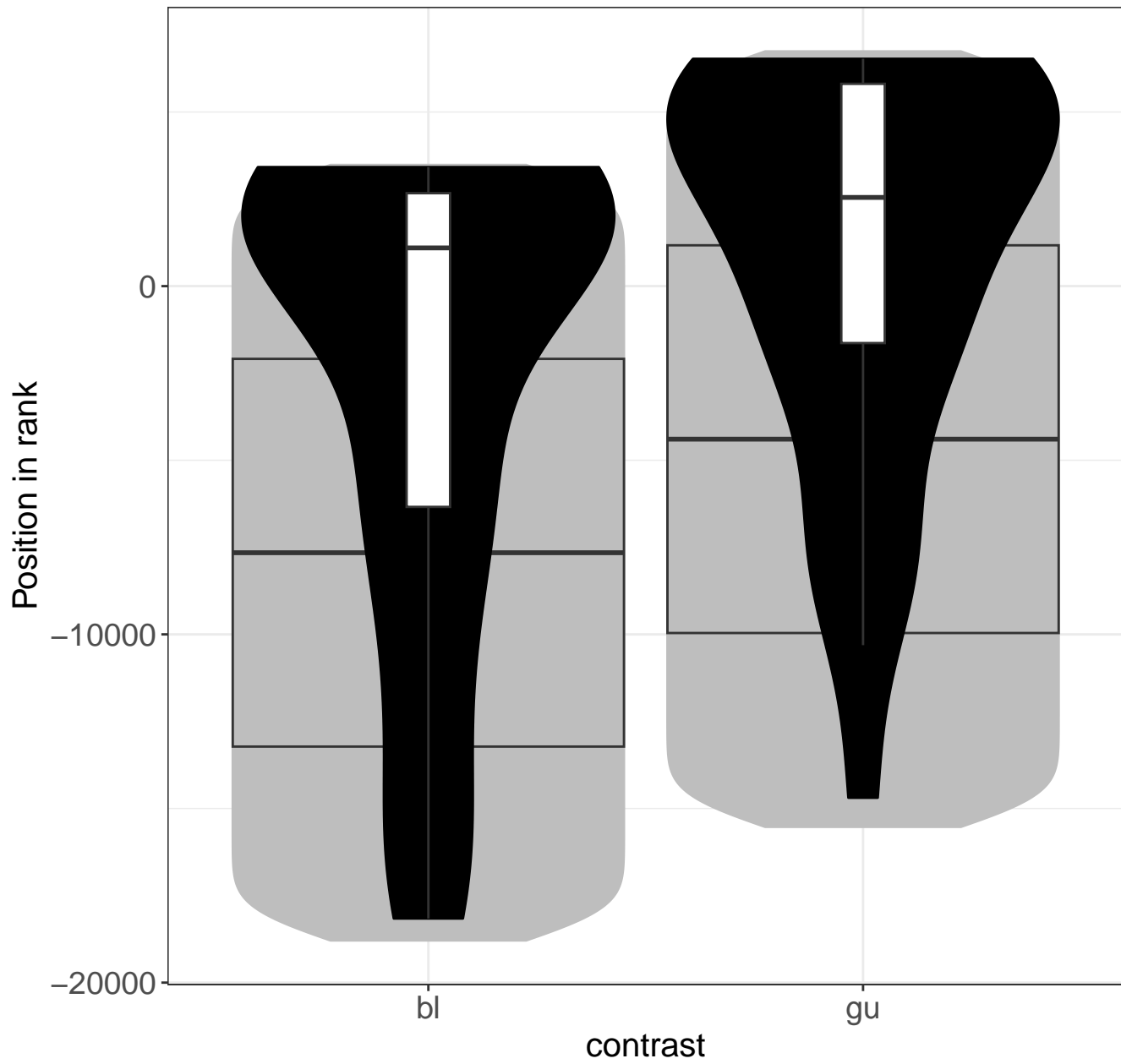


# Defective pyroptosis

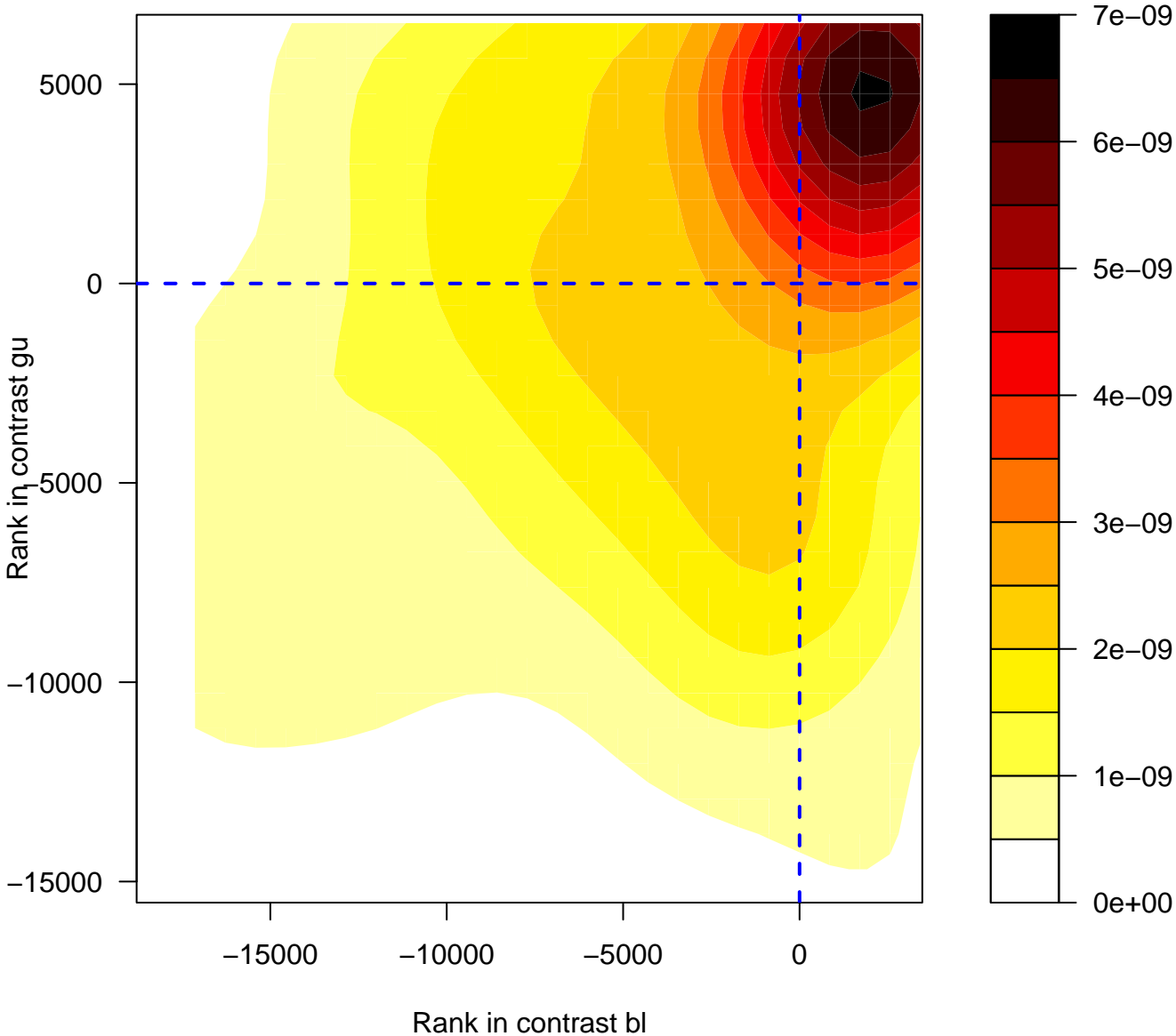




# Defective pyroptosis

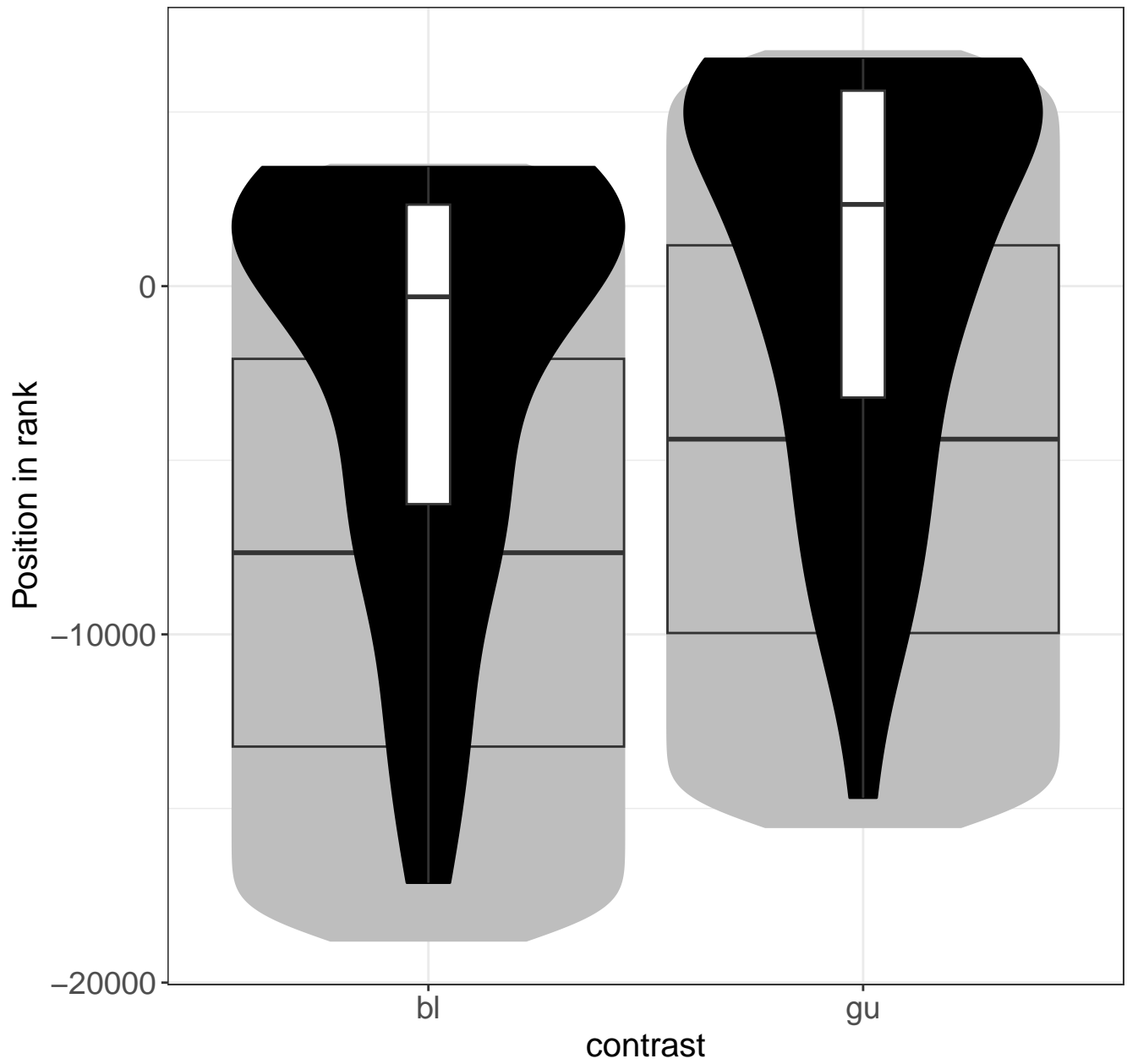


# Position of new CENPA-containing nucleosomes at the cen

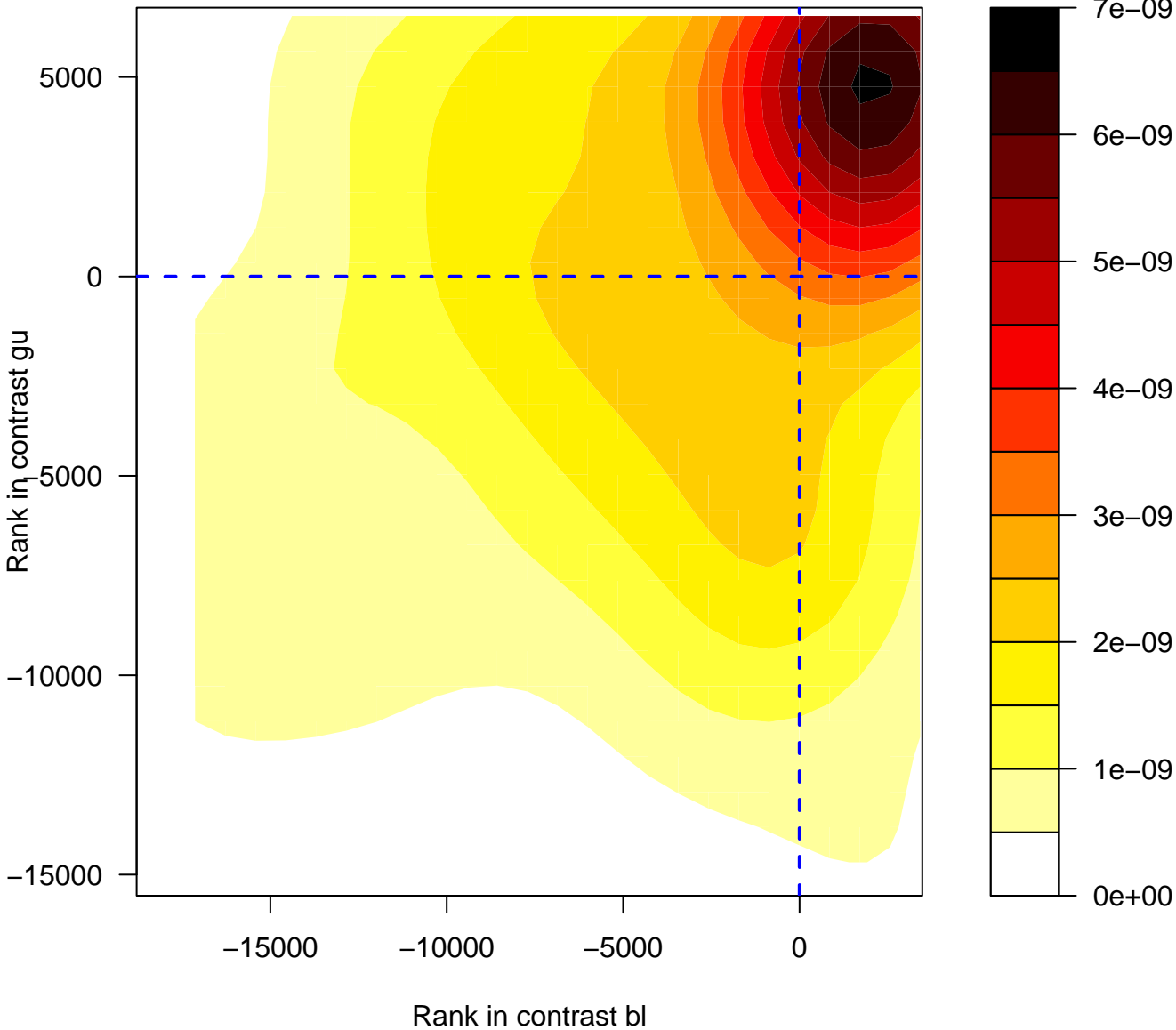




# Deposition of new CENPA-containing nucleosomes



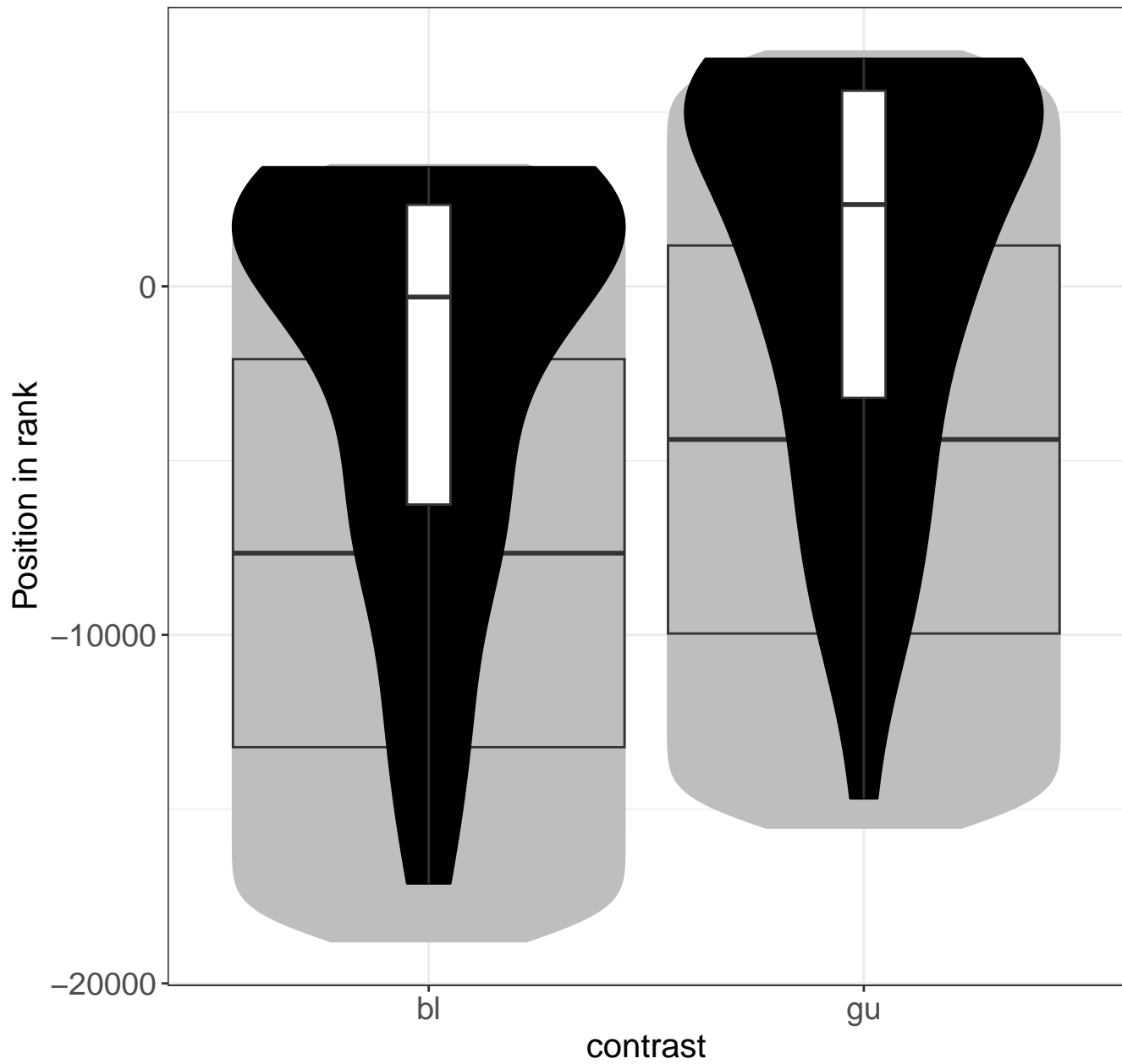
# Nucleosome assembly



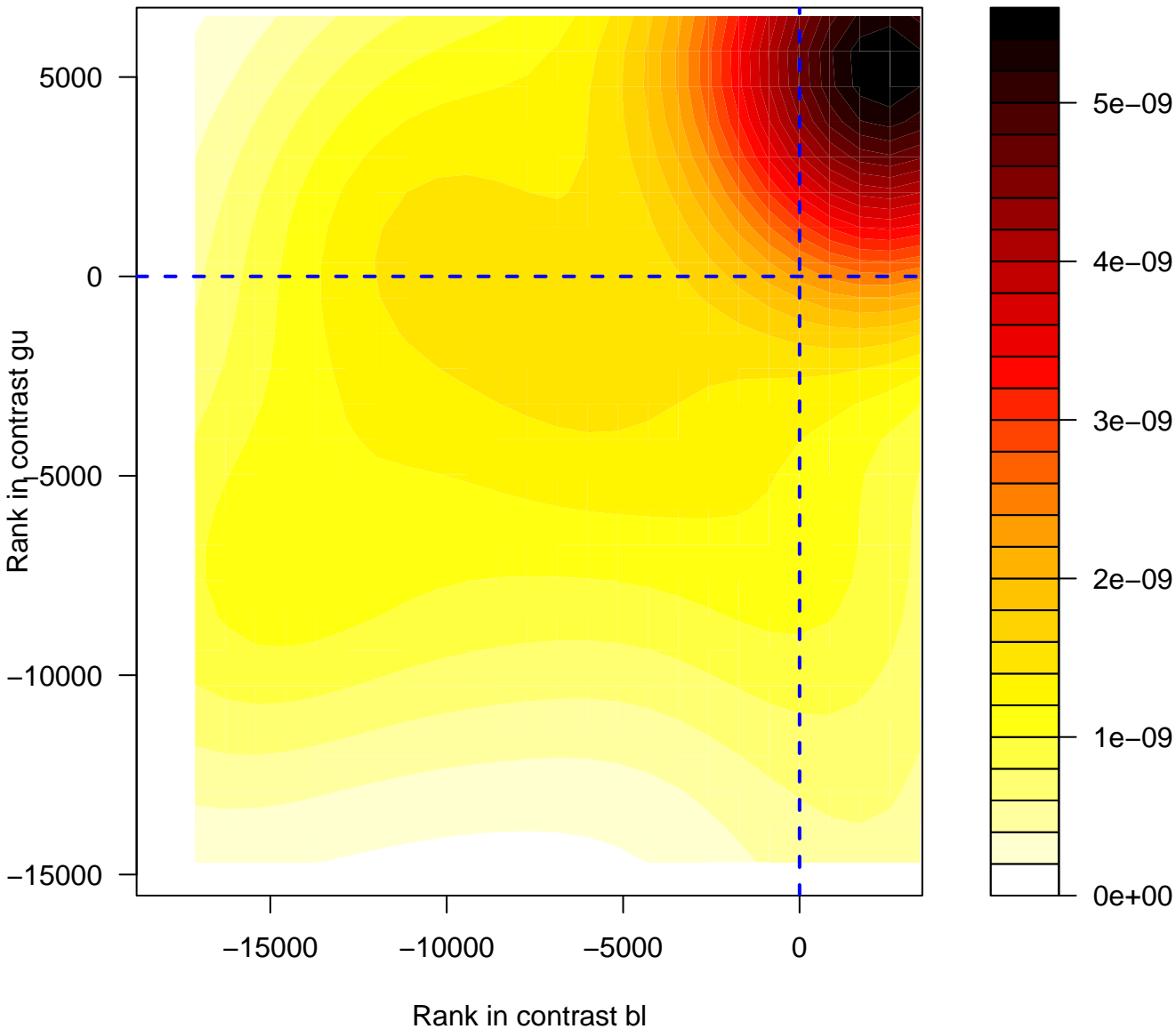




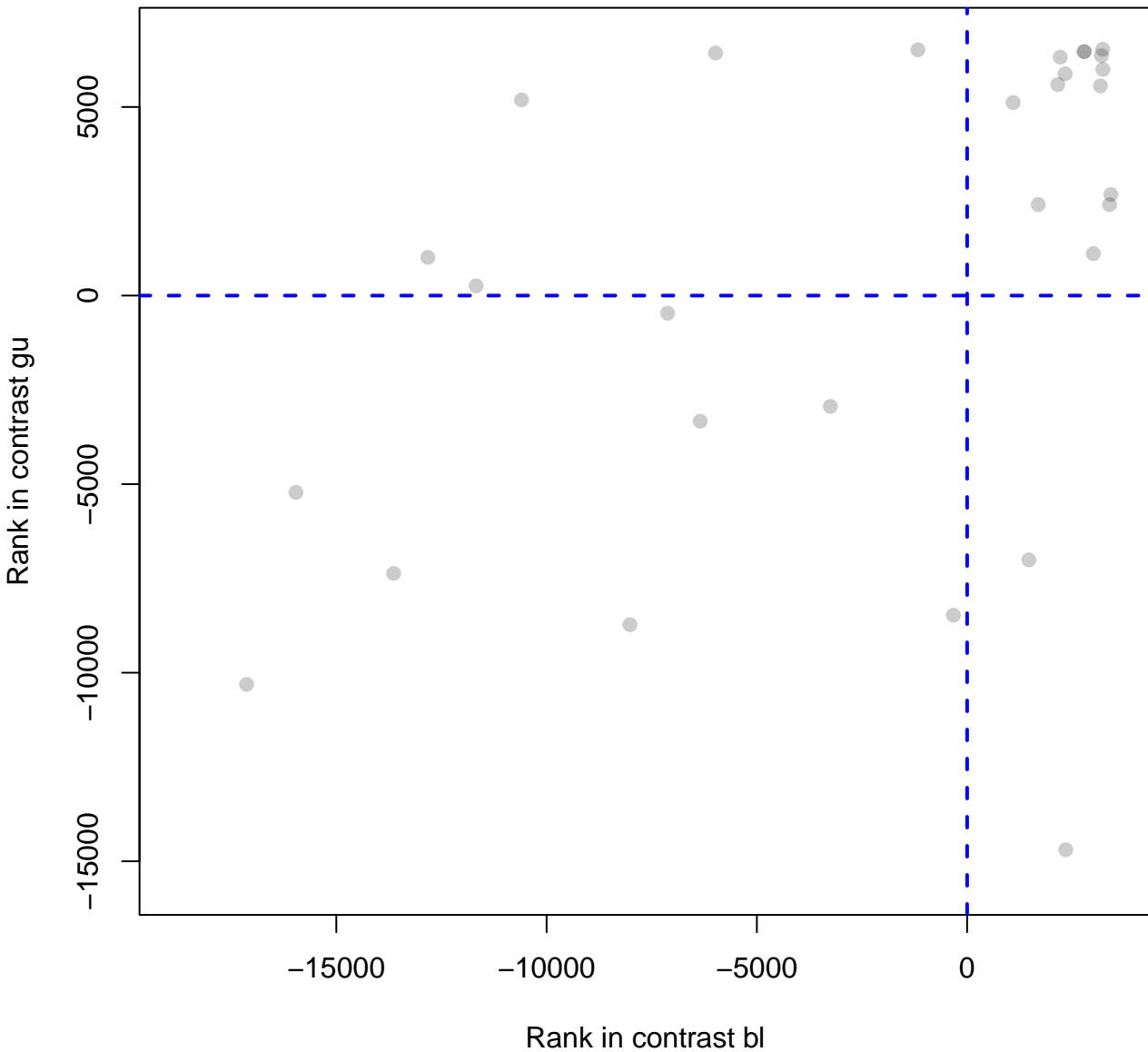
# Nucleosome assembly



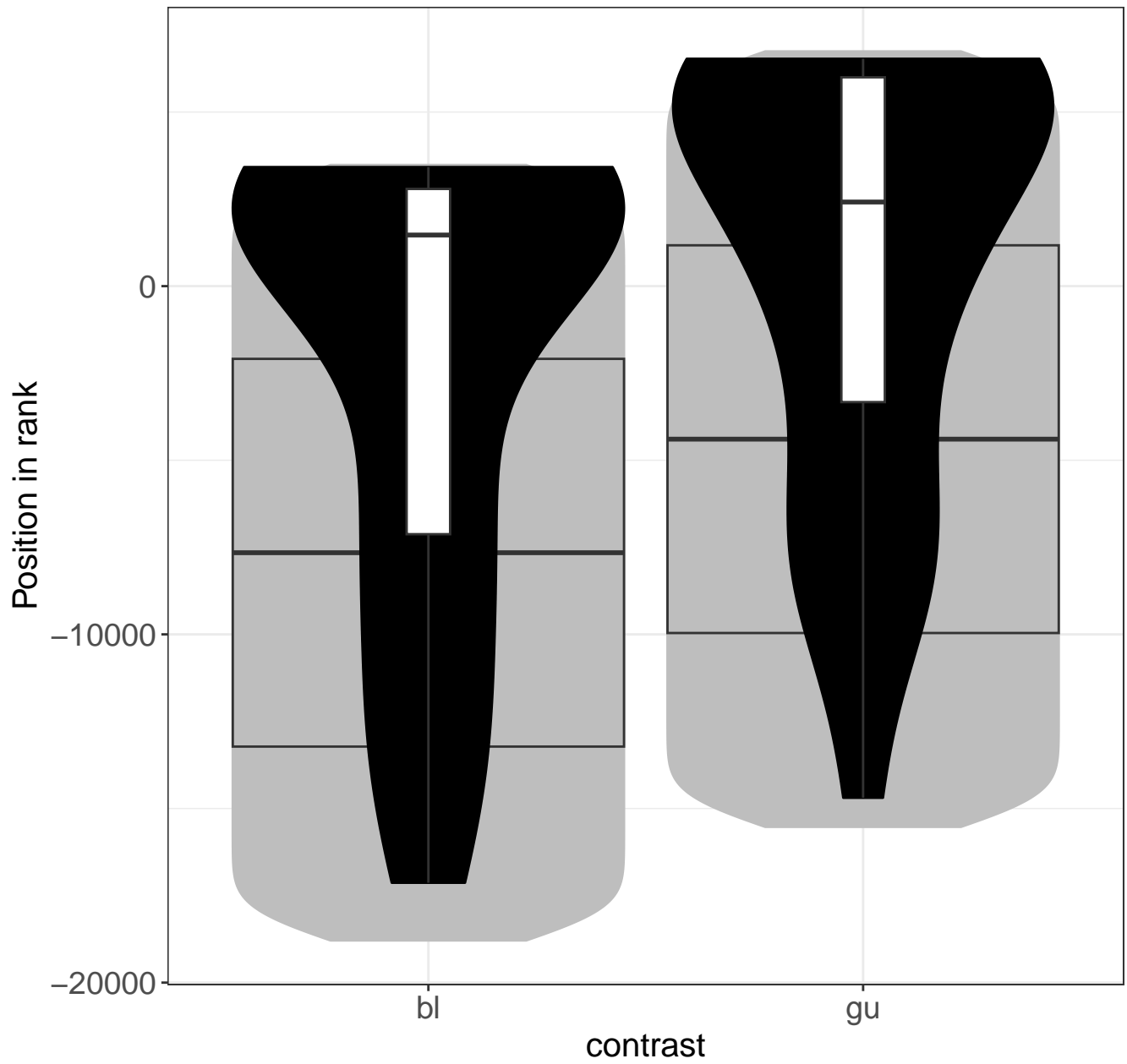
# stimulates transcription of AR (androgen receptor) regulated



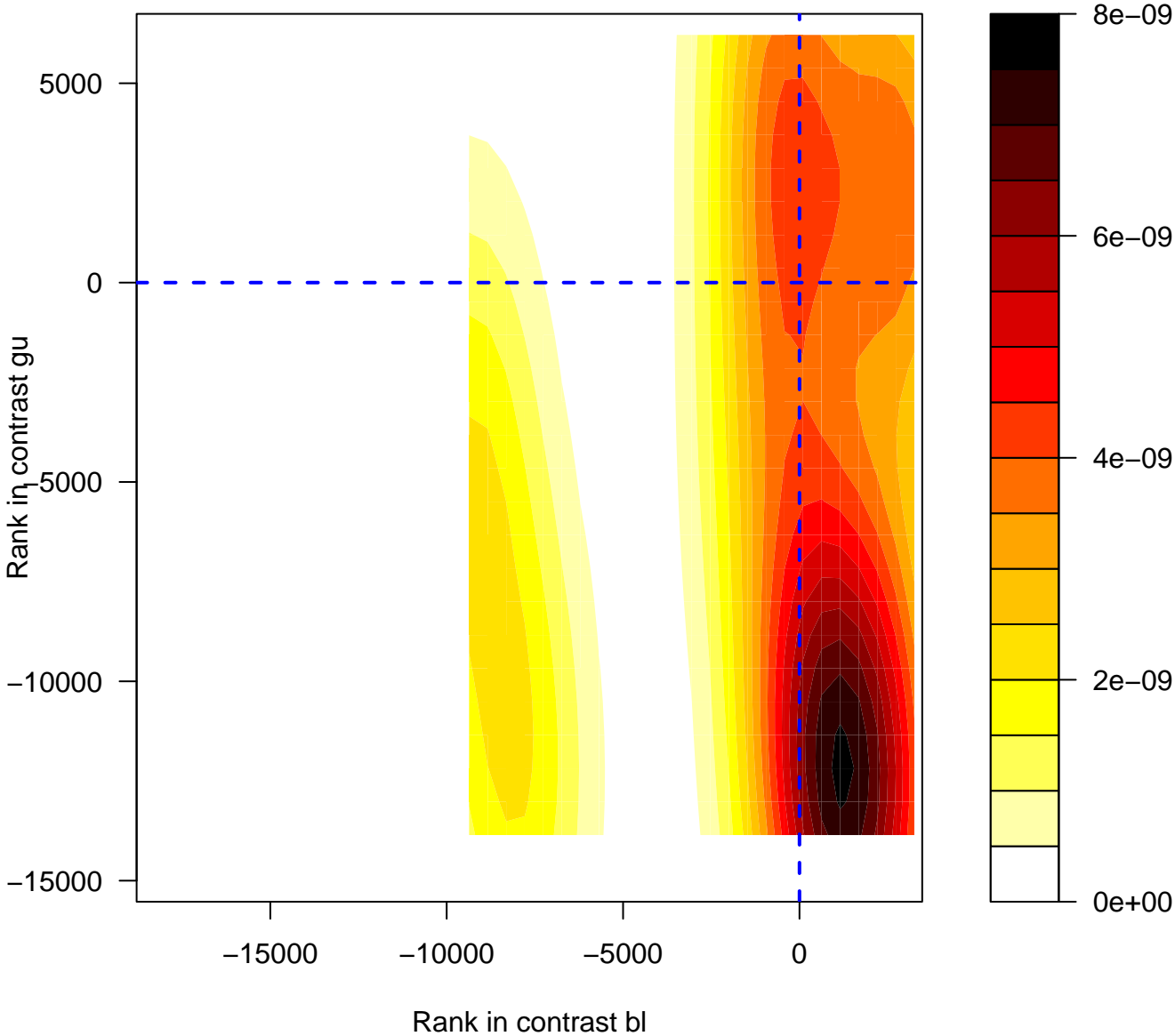
# PKN1 stimulates transcription of AR (androgen receptor) regulated genes K



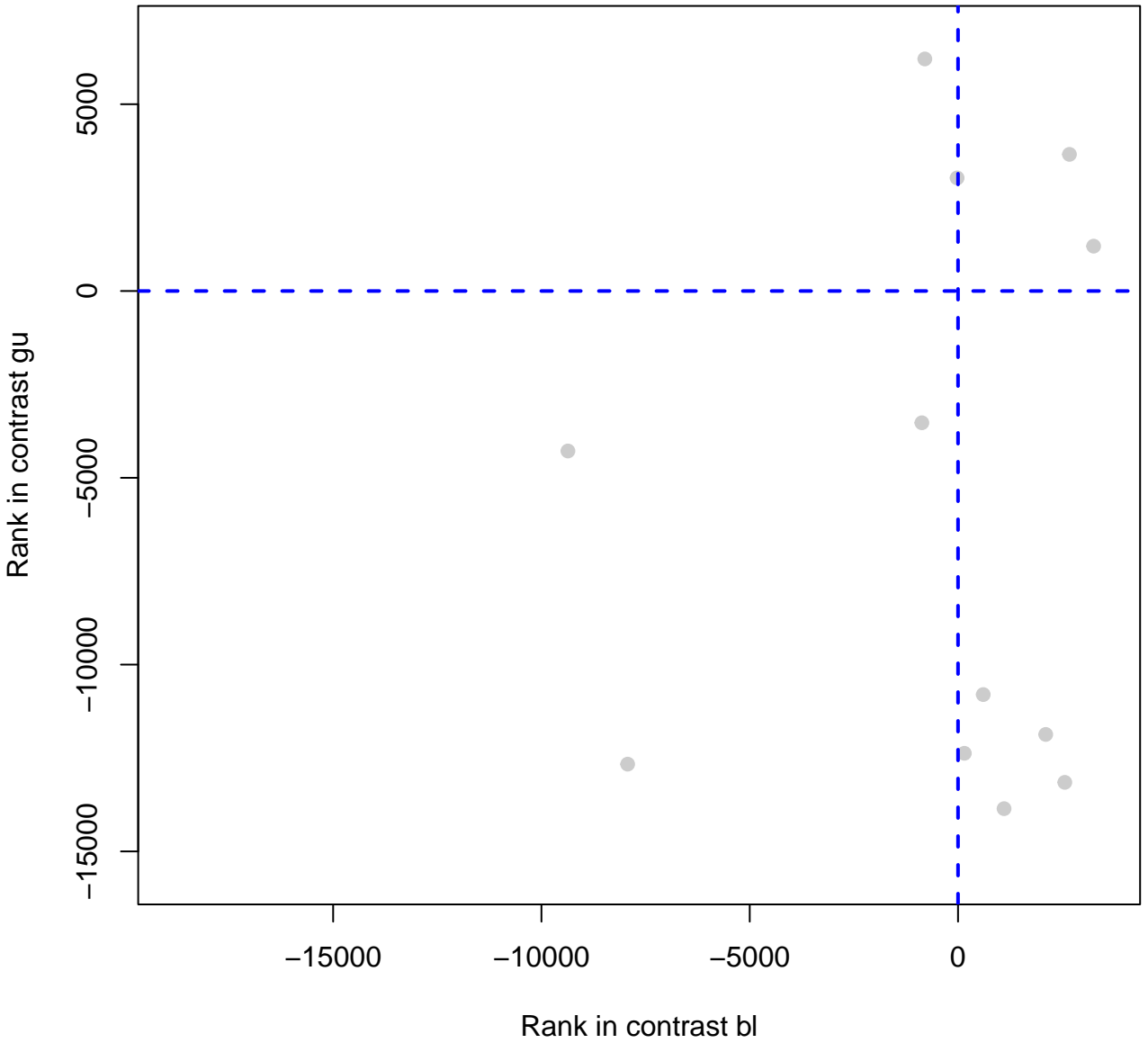
# Activated PKN1 stimulates transcription of AR (a)



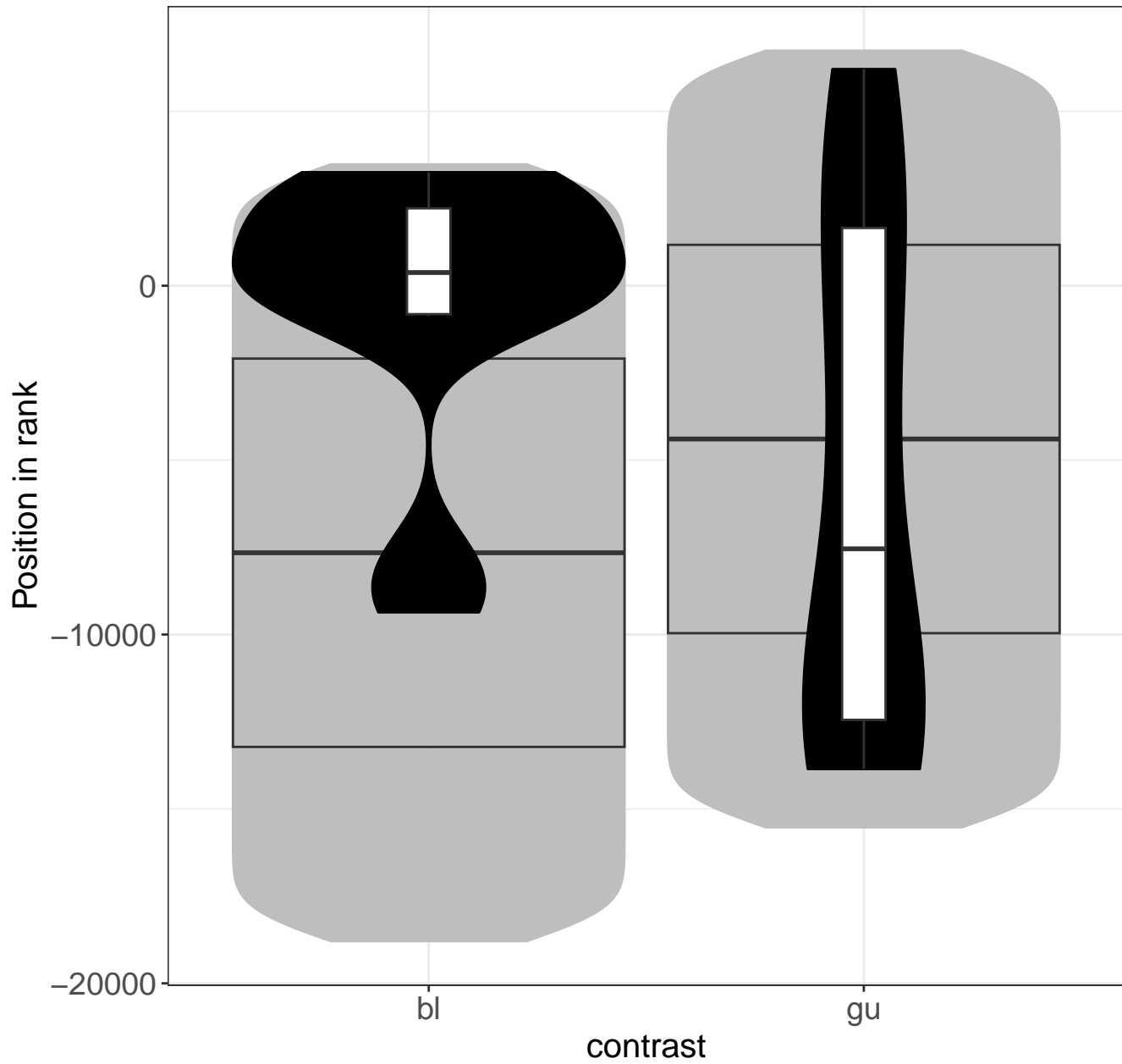
# Eicosanoids



# Eicosanoids

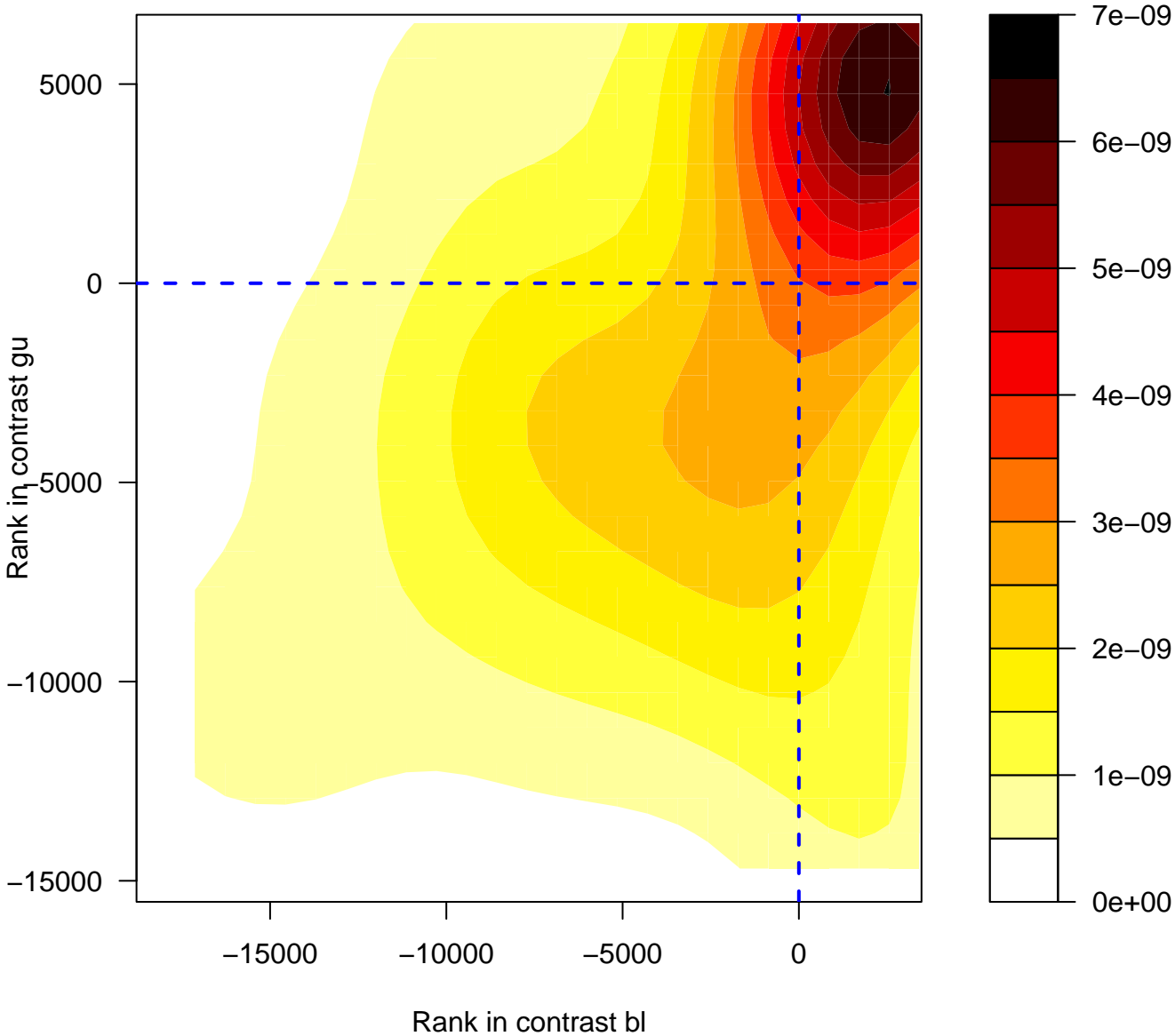


# Eicosanoids

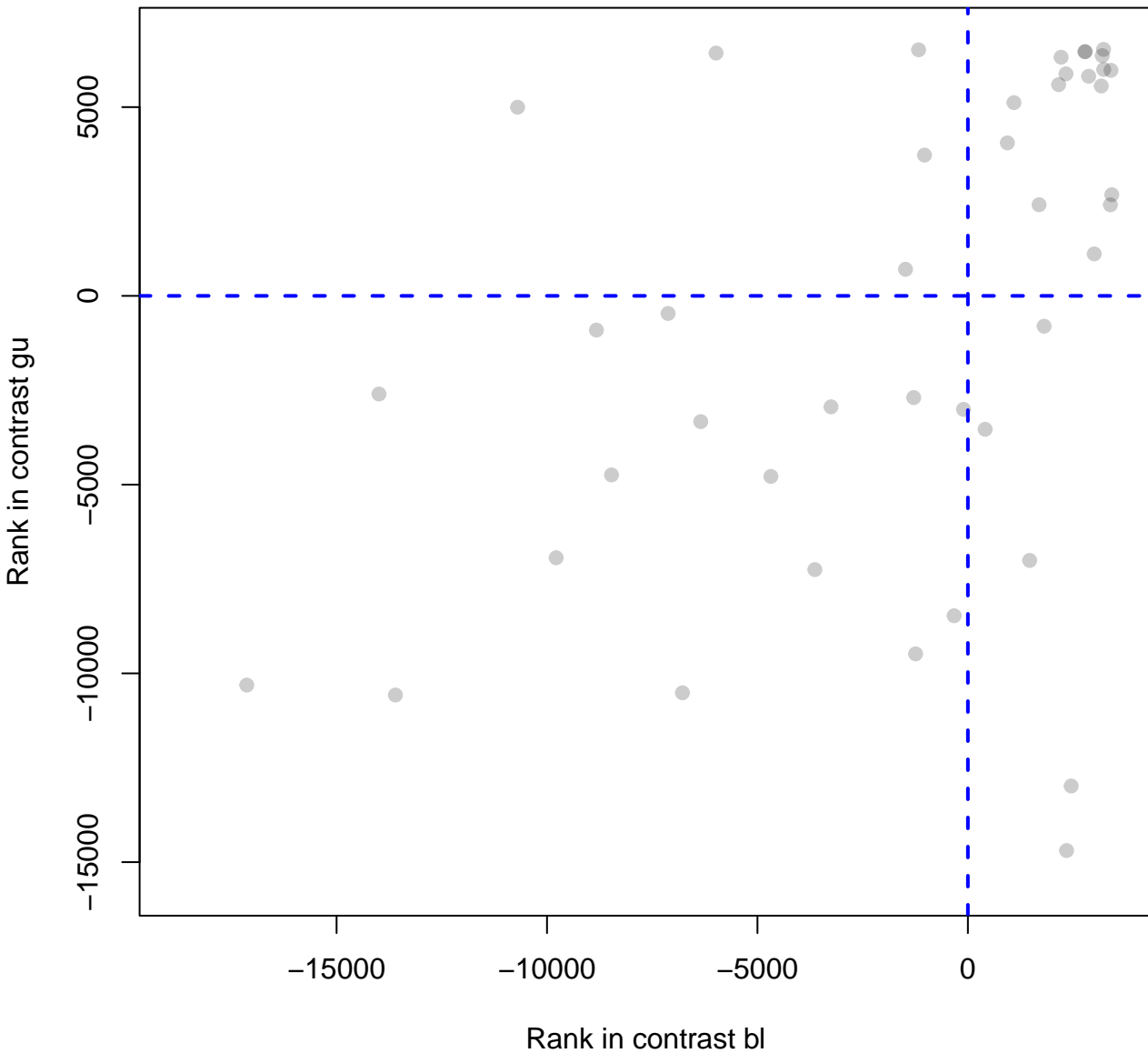




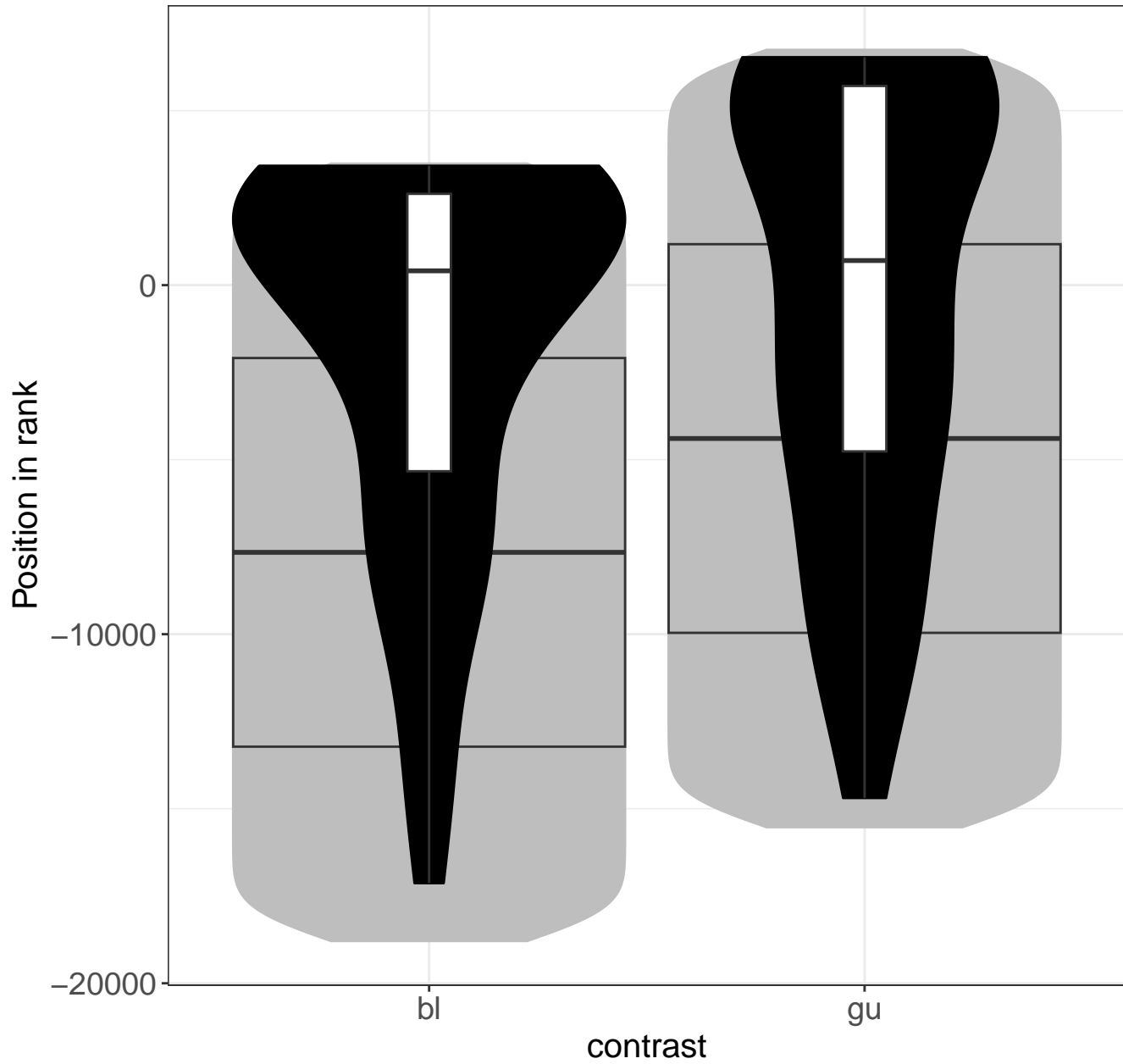
# Inhibition of DNA recombination at telomere



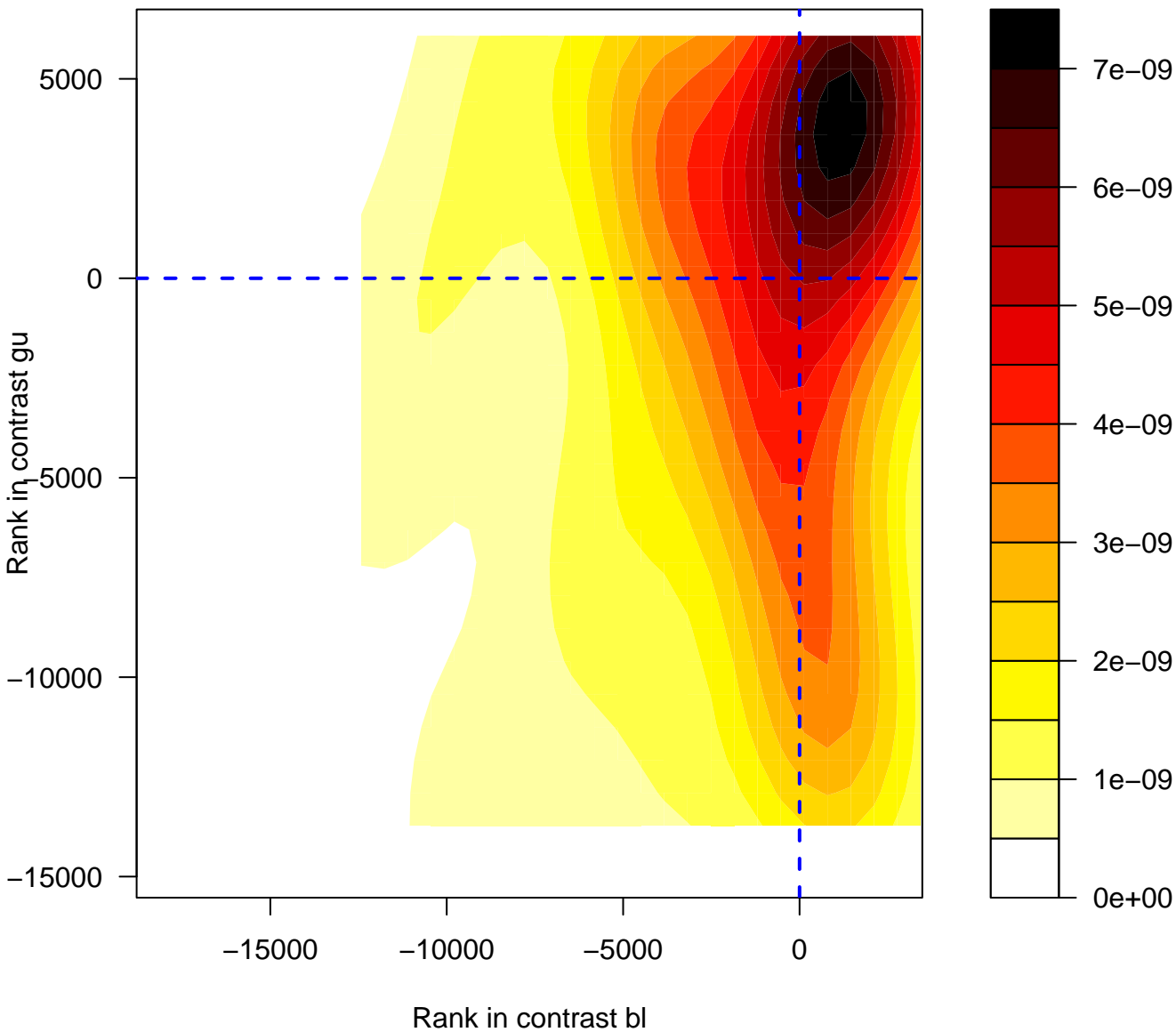
# Inhibition of DNA recombination at telomere



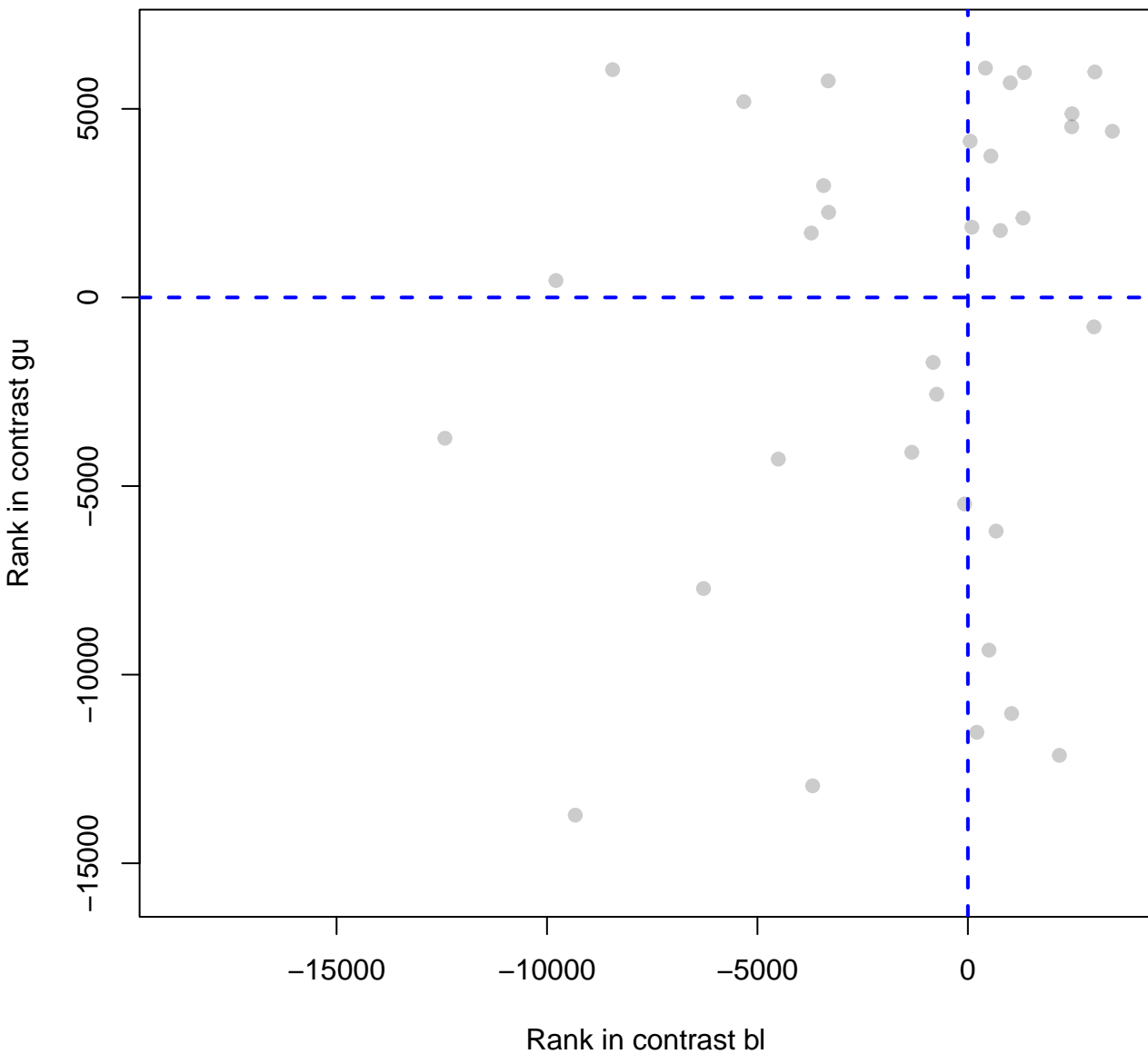
# Inhibition of DNA recombination at telomere



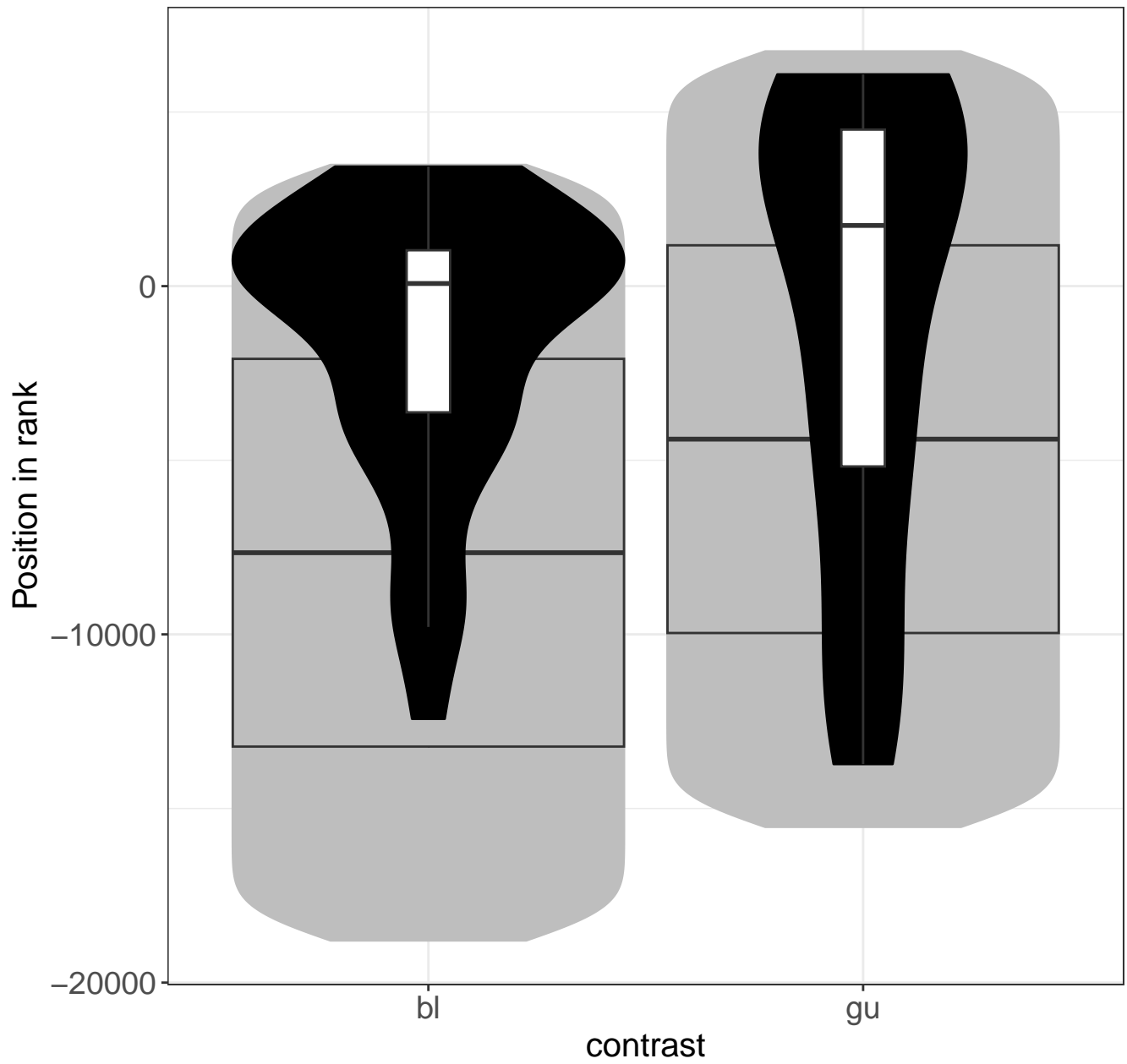
# SARS-CoV-1 modulates host translation machinery



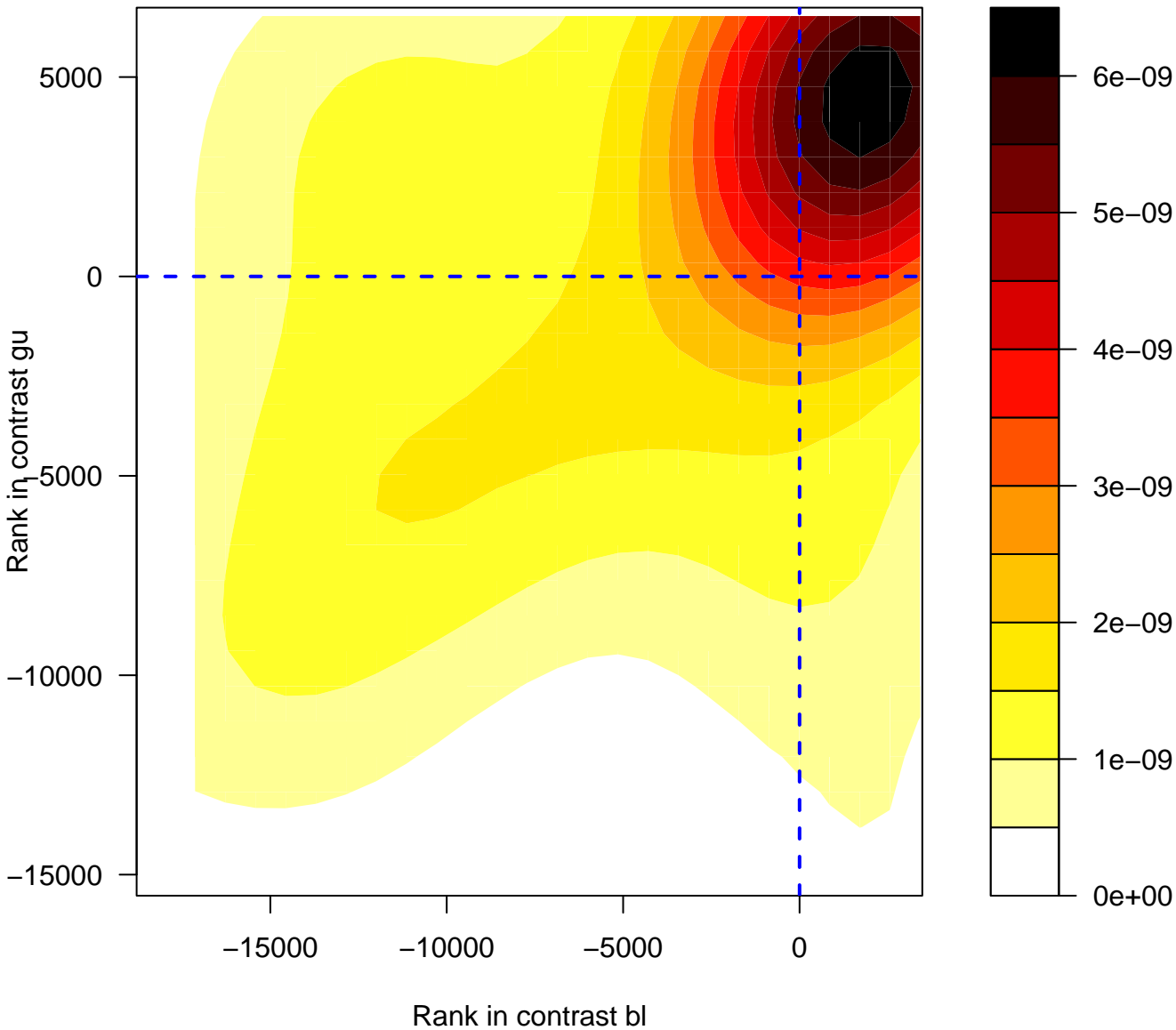
# SARS-CoV-1 modulates host translation machinery



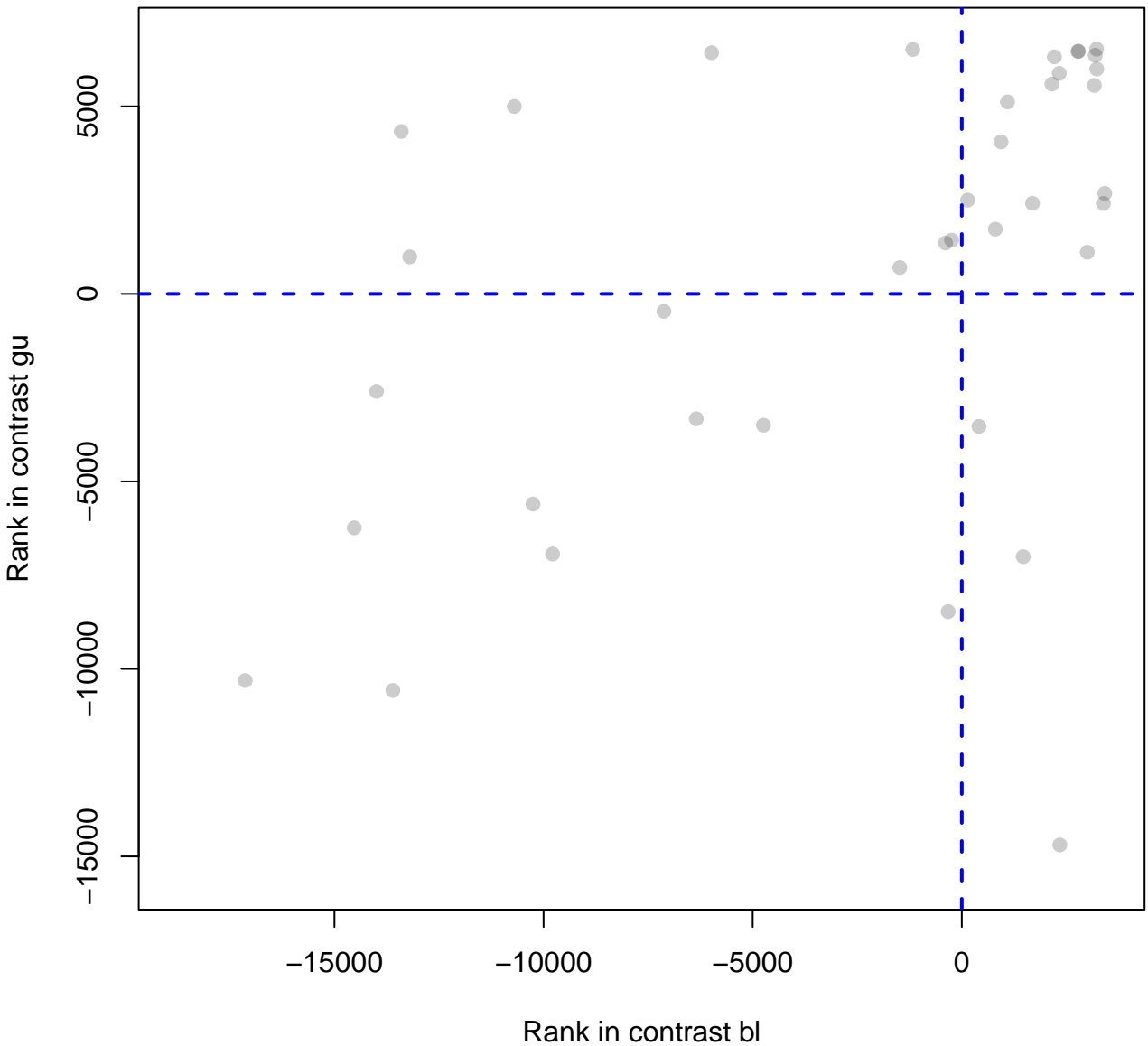
# SARS-CoV-1 modulates host translation machinery



# Cleavage of the damaged pyrimidine

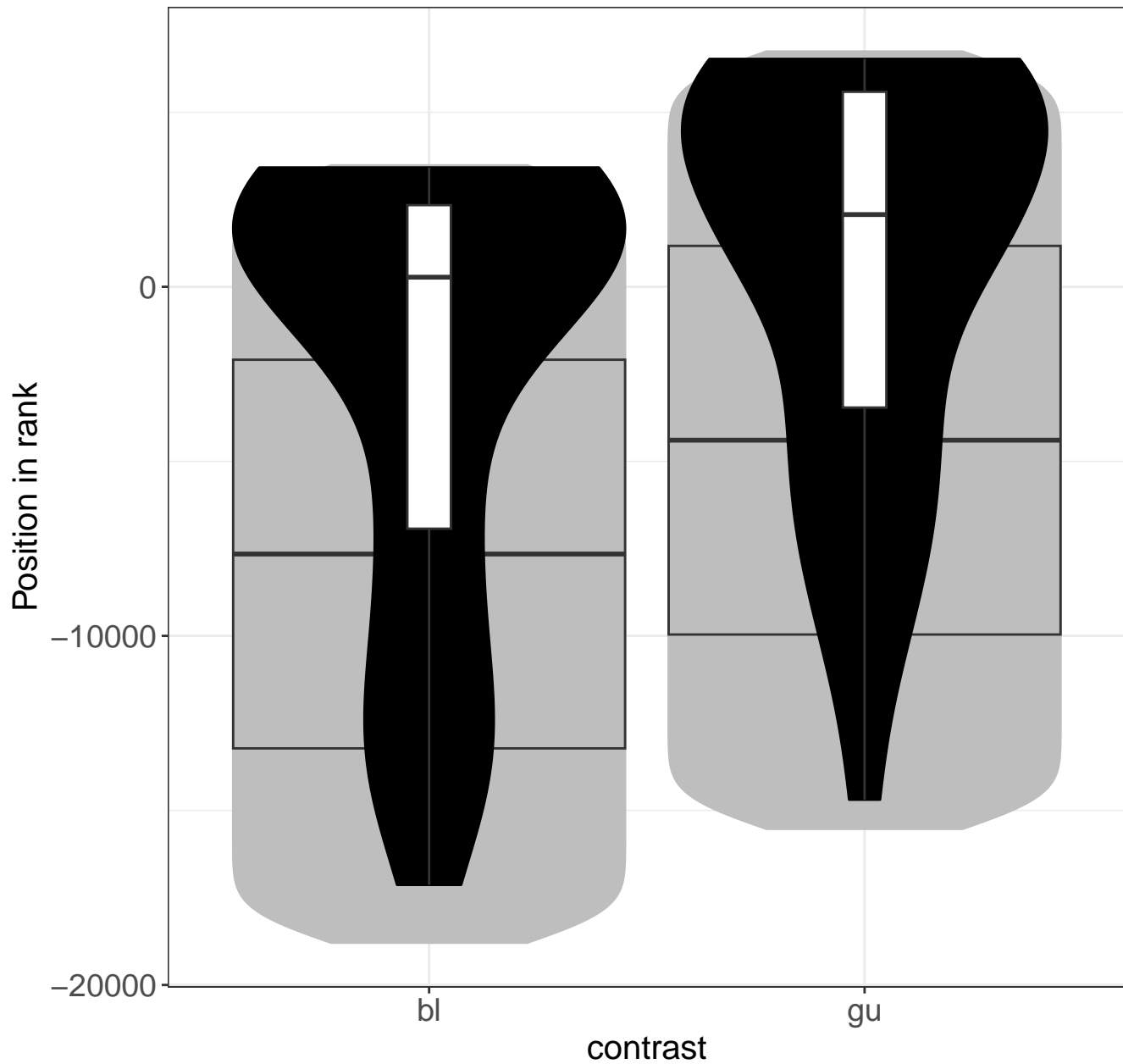


# Cleavage of the damaged pyrimidine

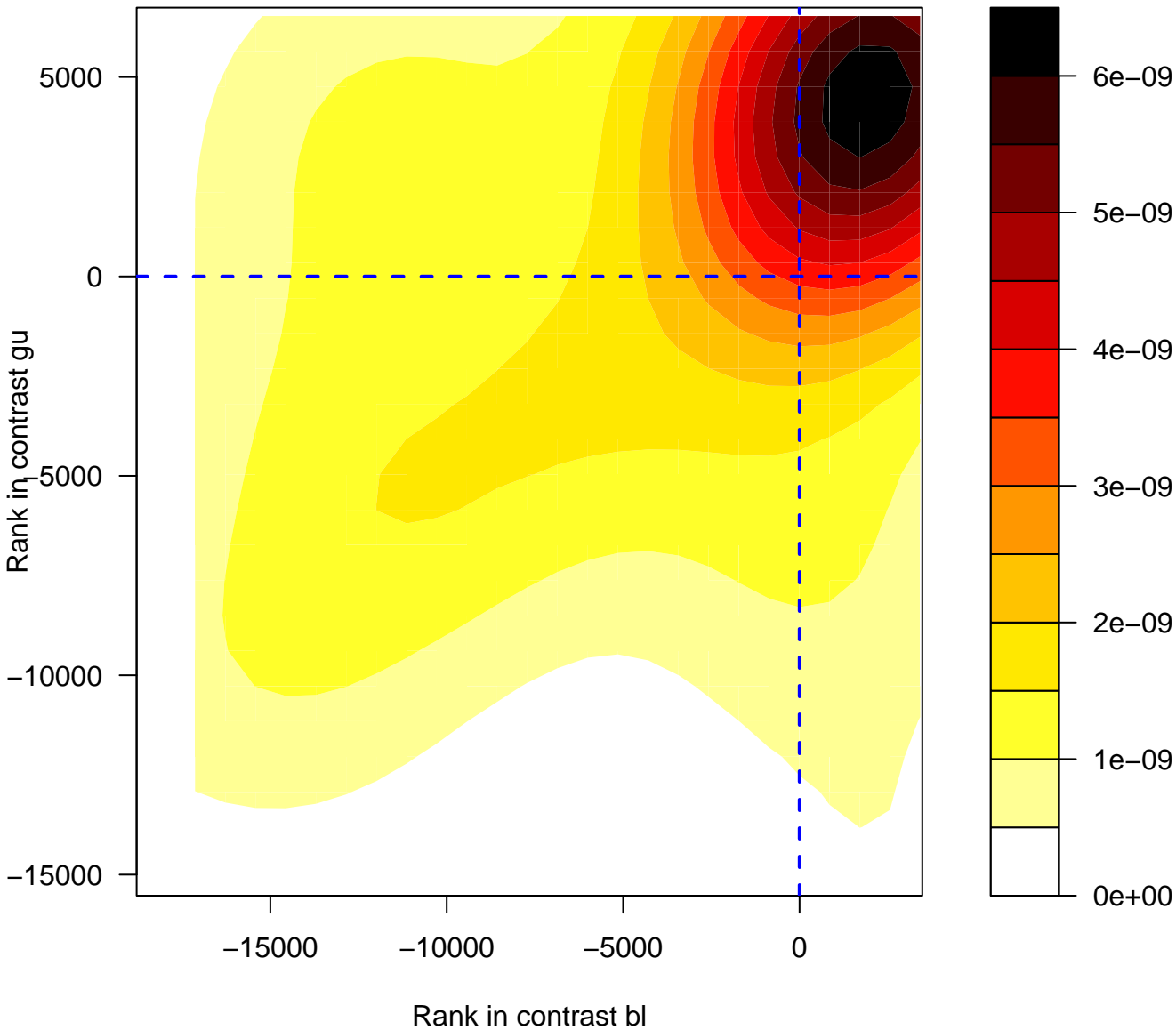




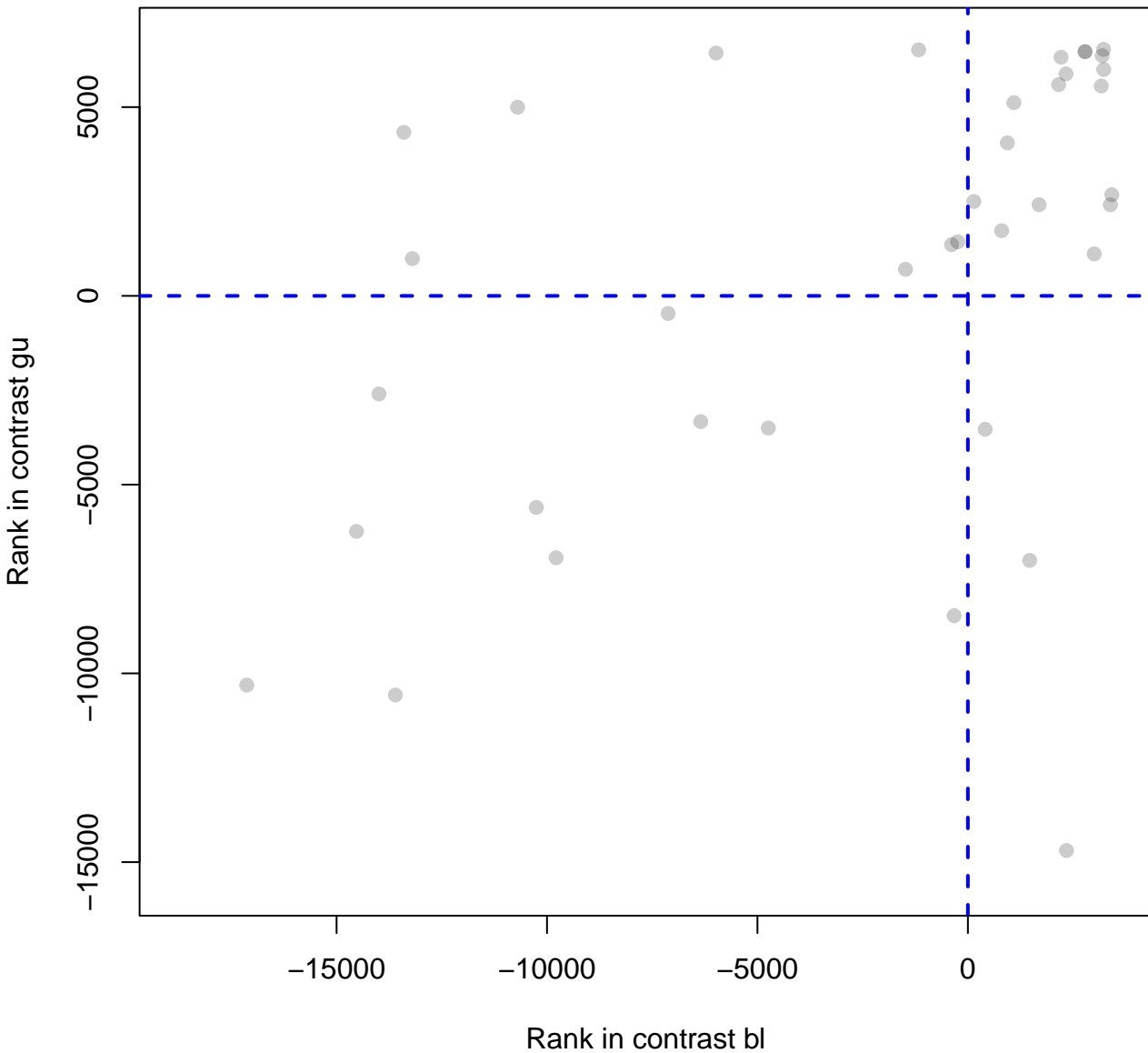
# Cleavage of the damaged pyrimidine



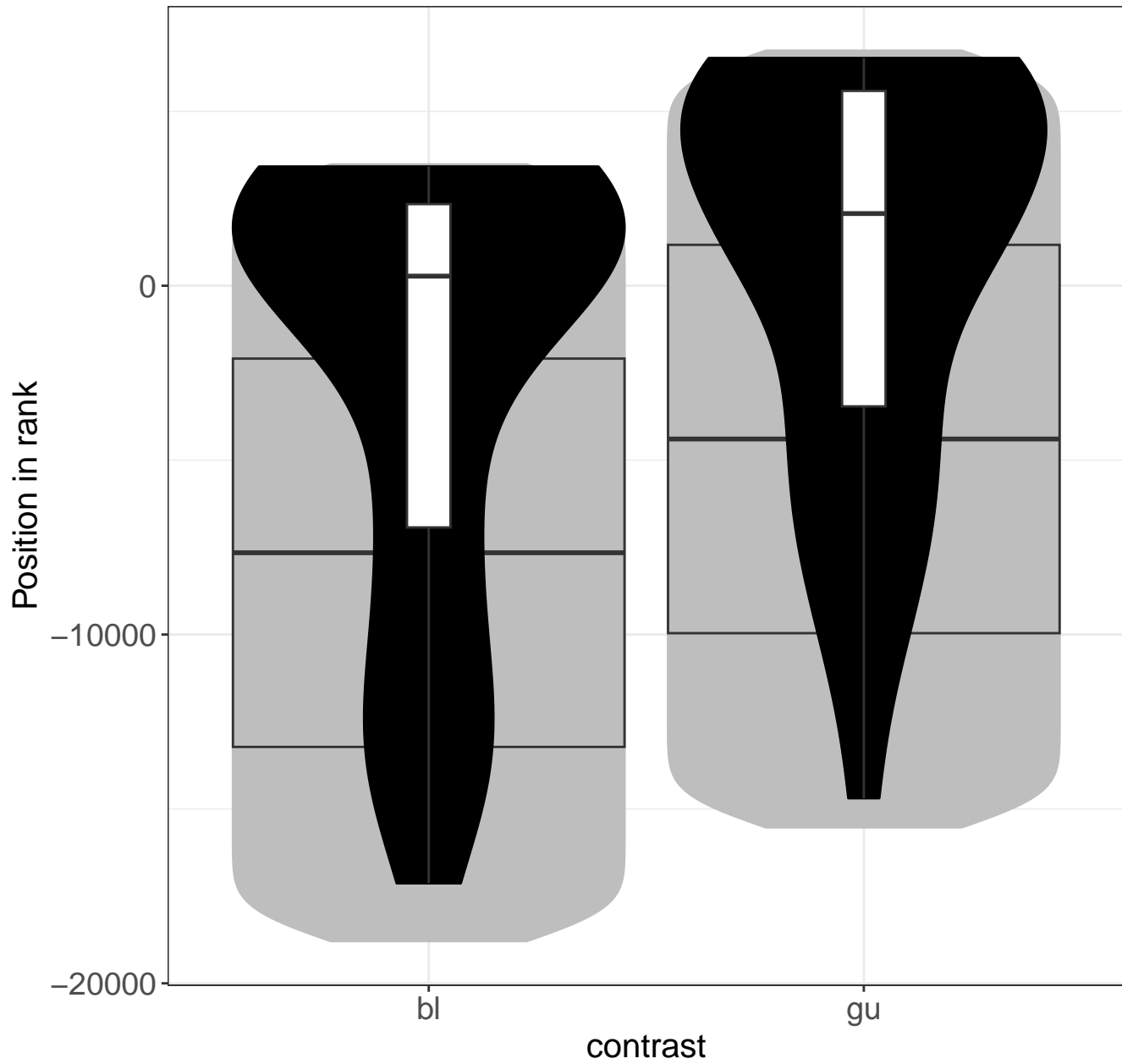
# Depyrimidination



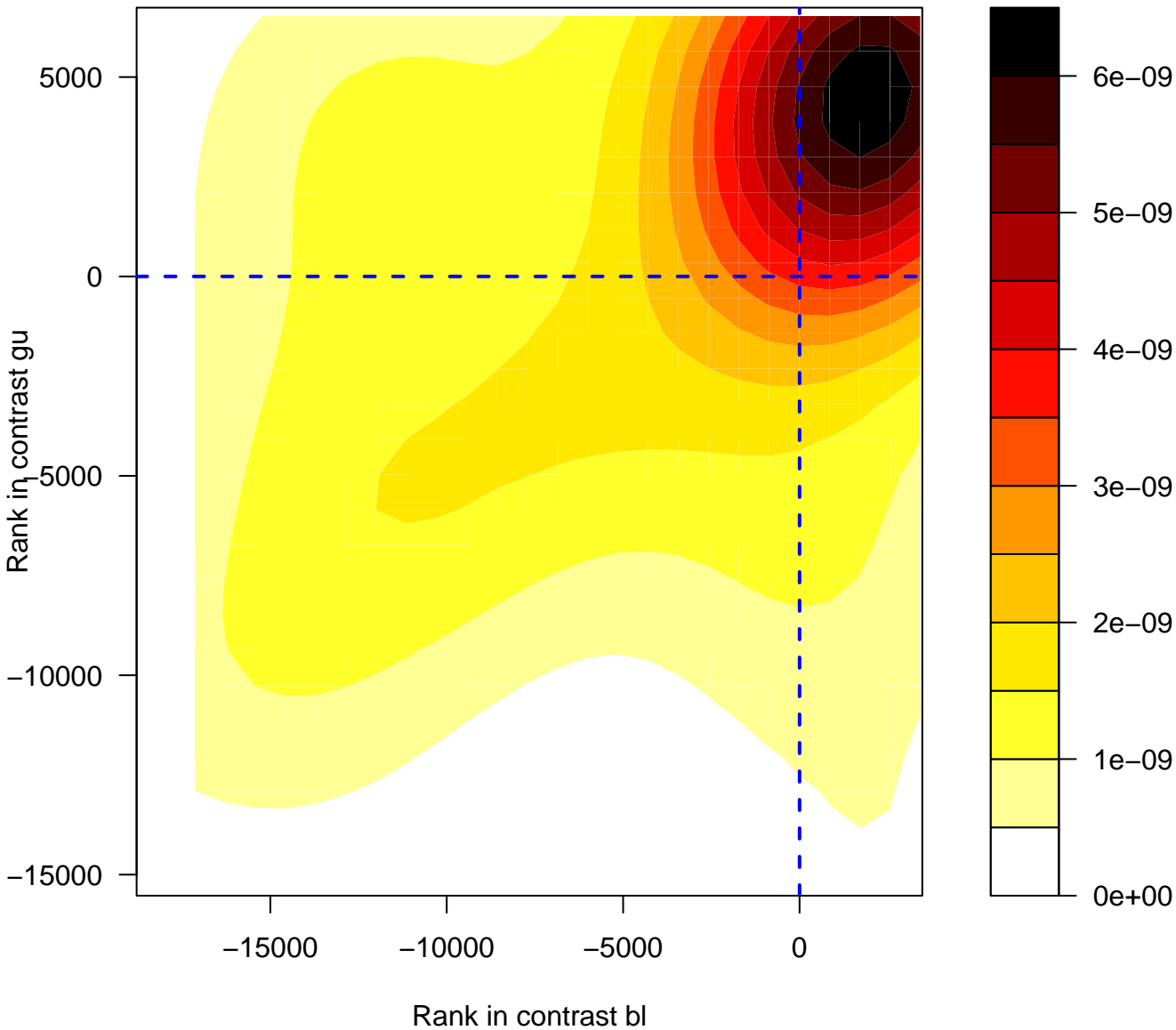
# Depyrimidination



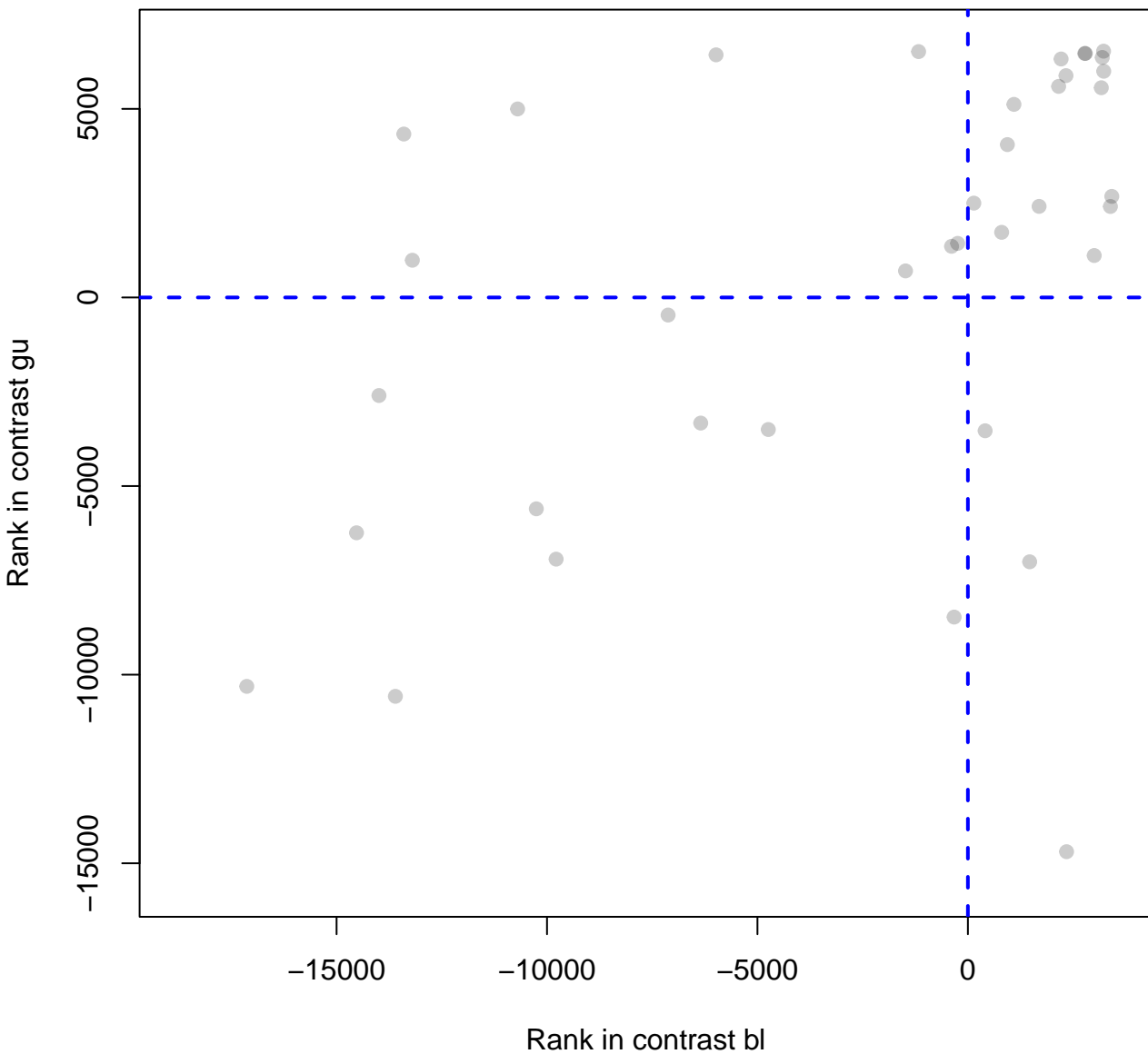
# Depyrimidination



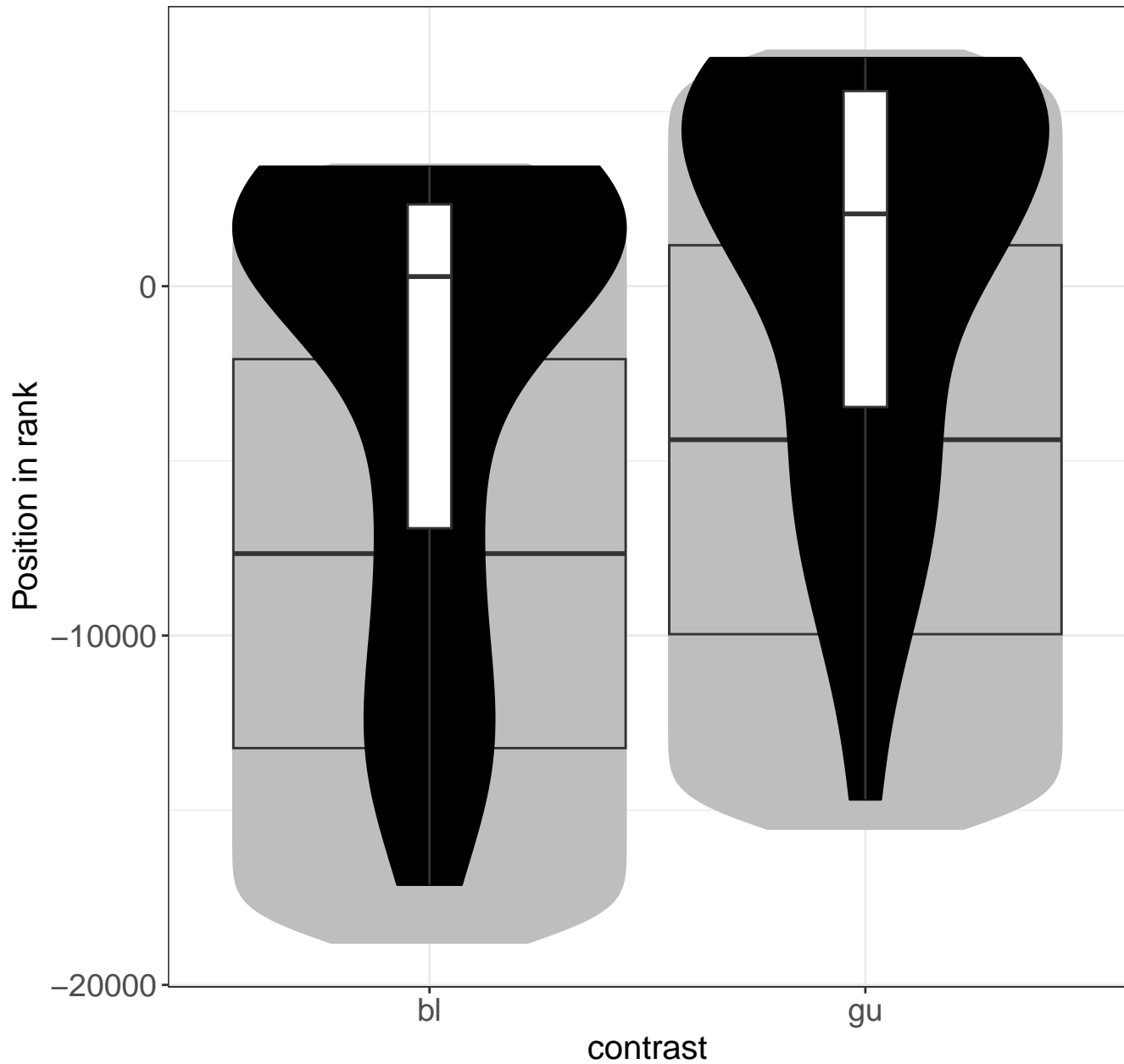
and association of DNA glycosylase with site containing an :



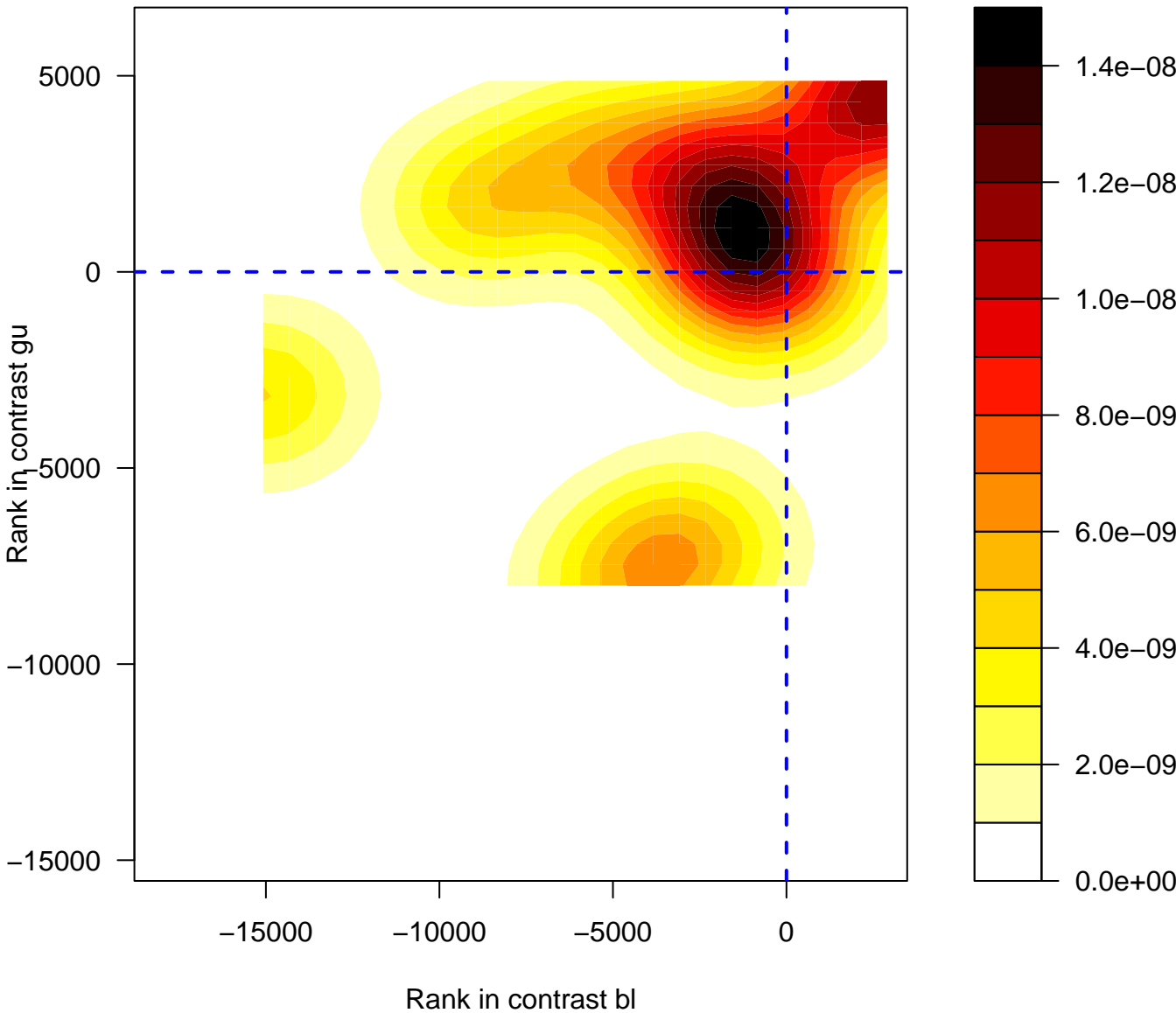
# Cognition and association of DNA glycosylase with site containing an affected p



# Recognition and association of DNA glycosylase

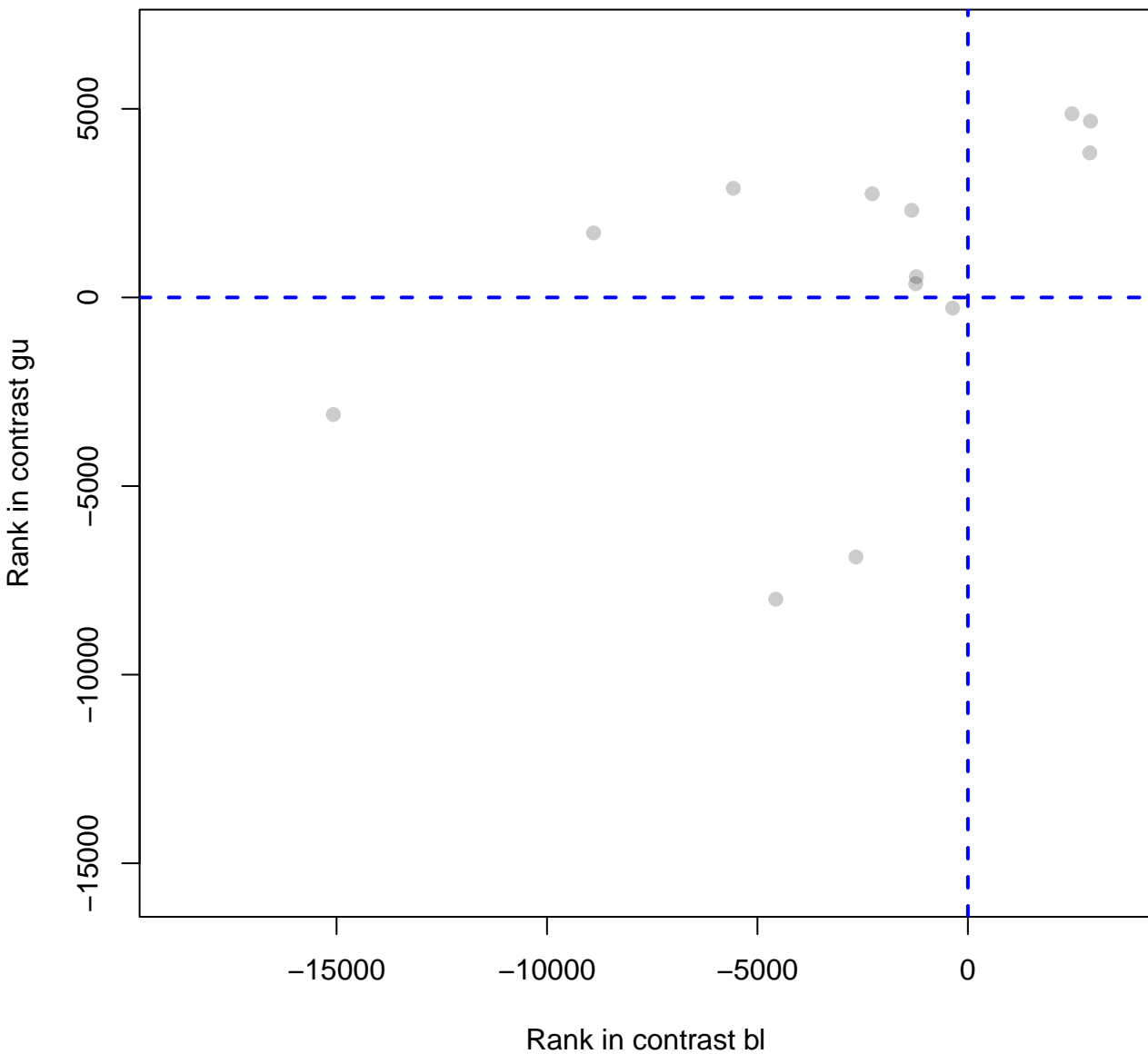


# TICAM1-dependent activation of IRF3/IRF7

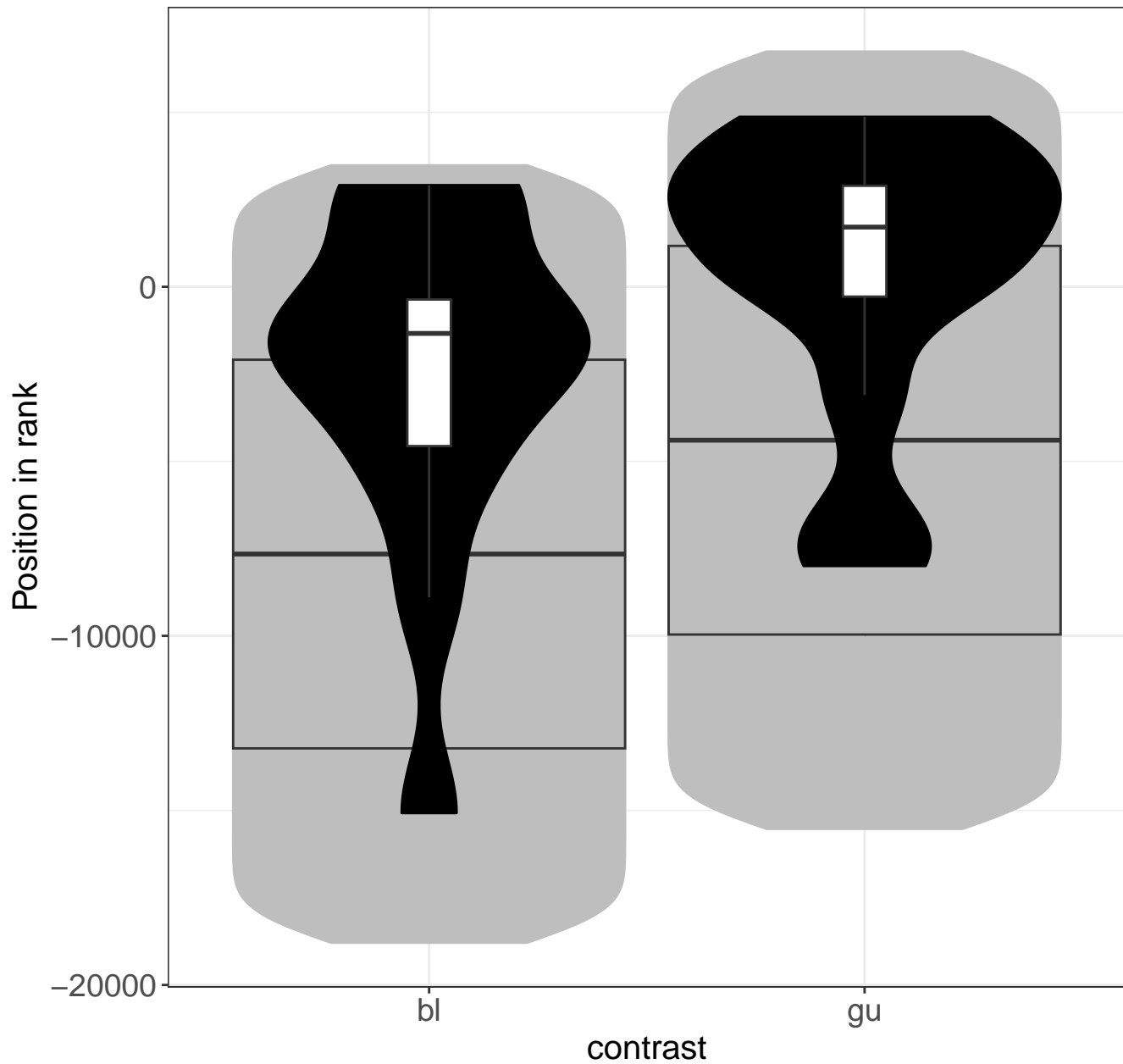




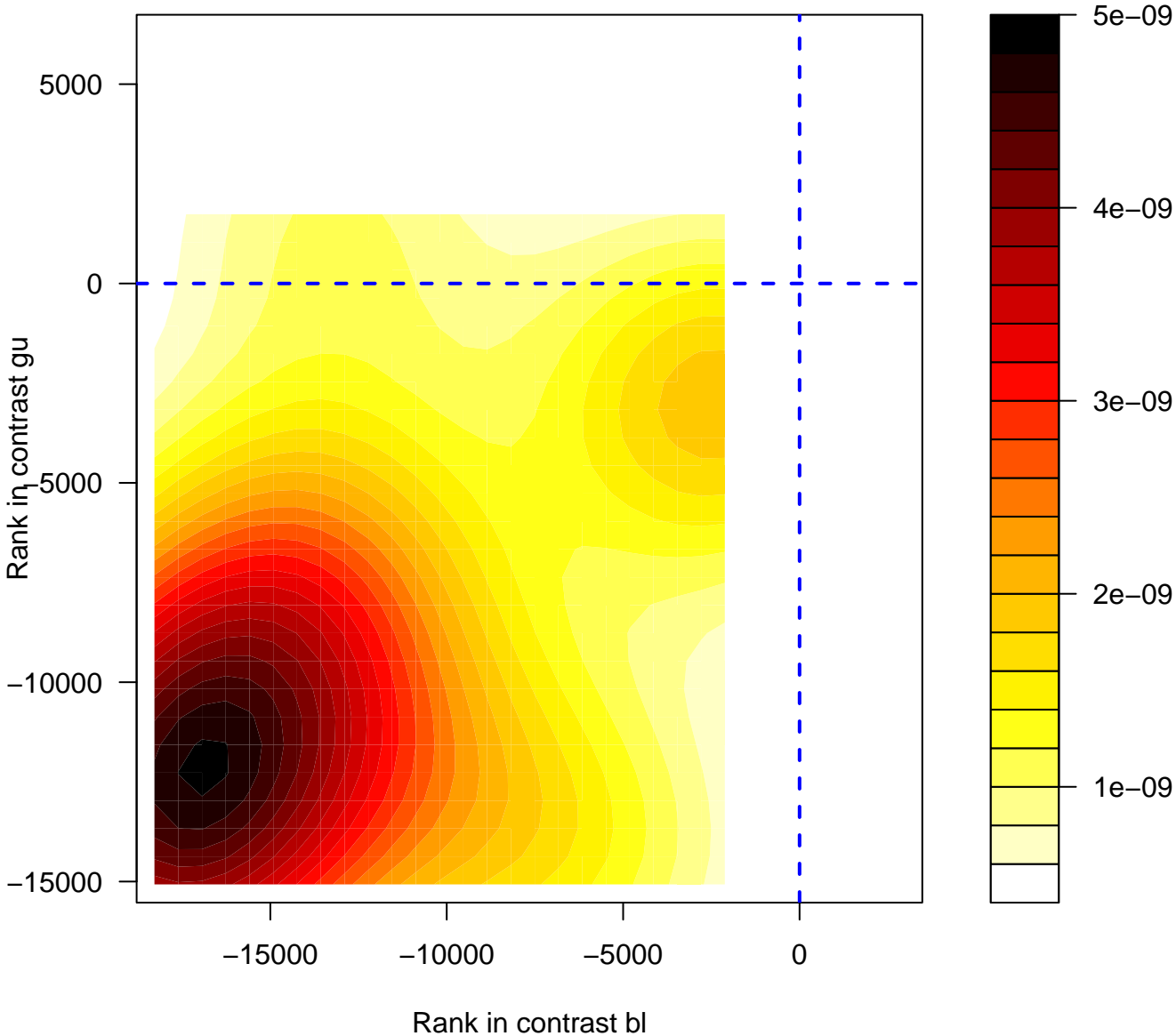
# TICAM1-dependent activation of IRF3/IRF7



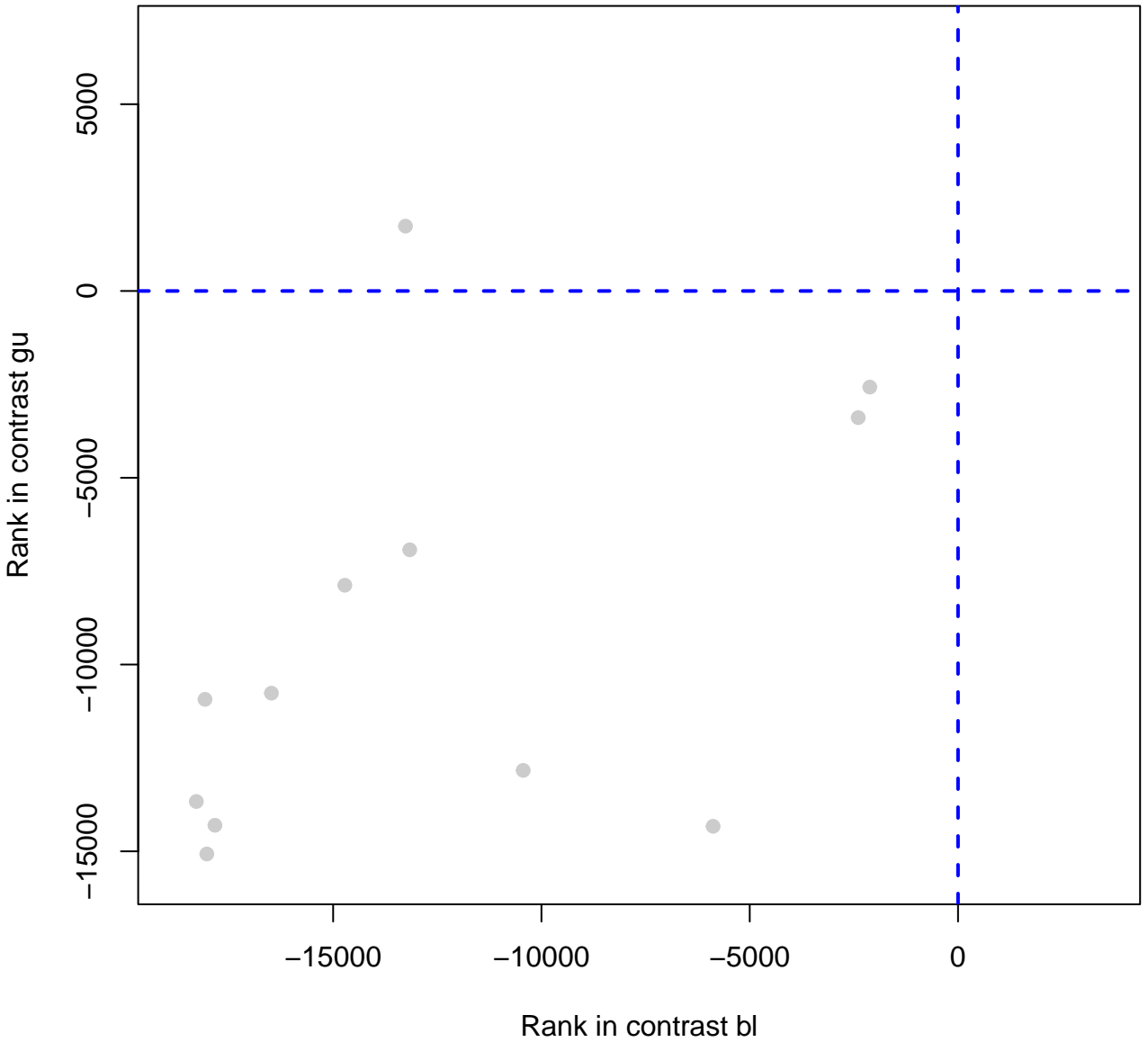
# TICAM1-dependent activation of IRF3/IRF7



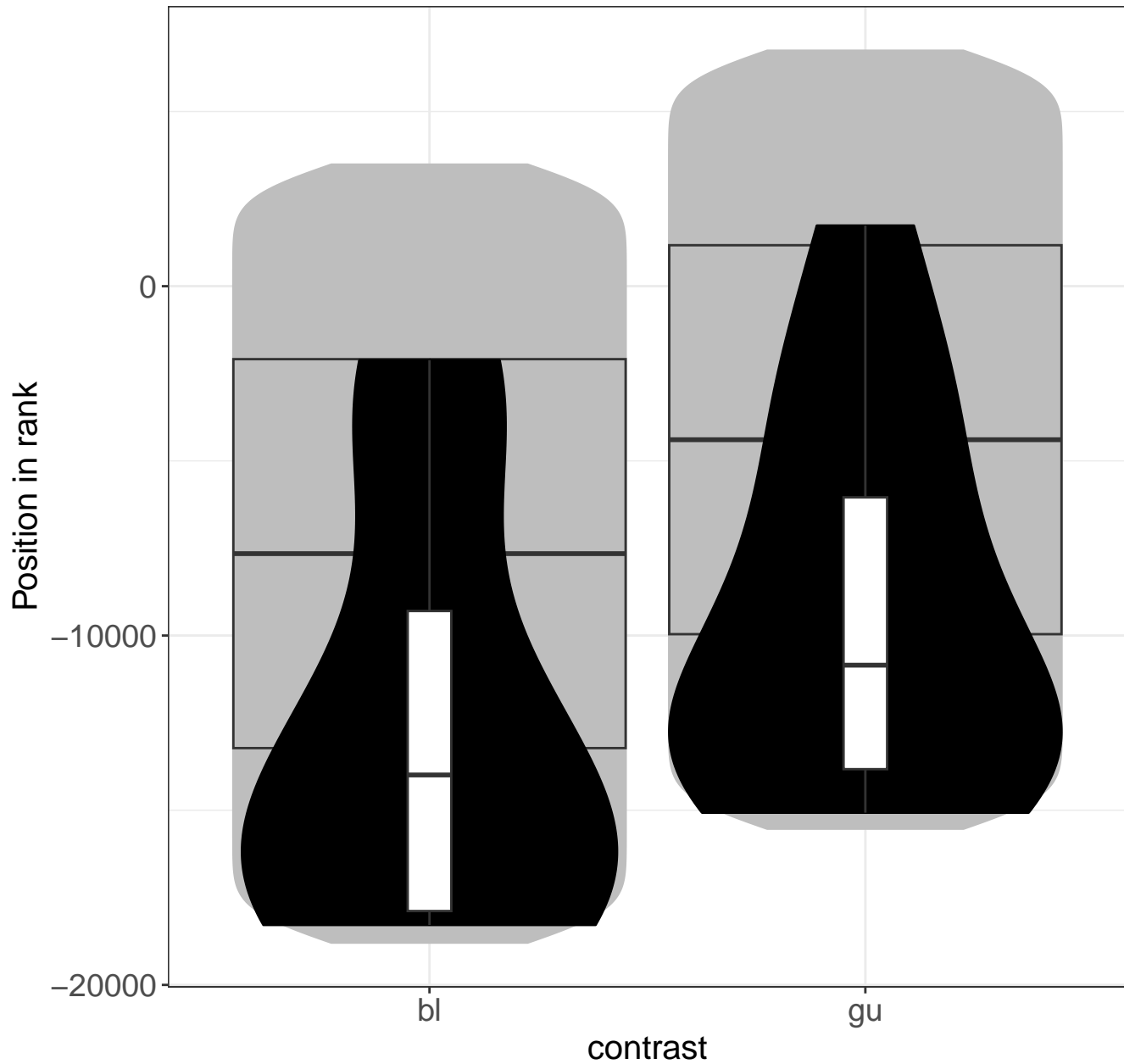
# Scavenging of heme from plasma



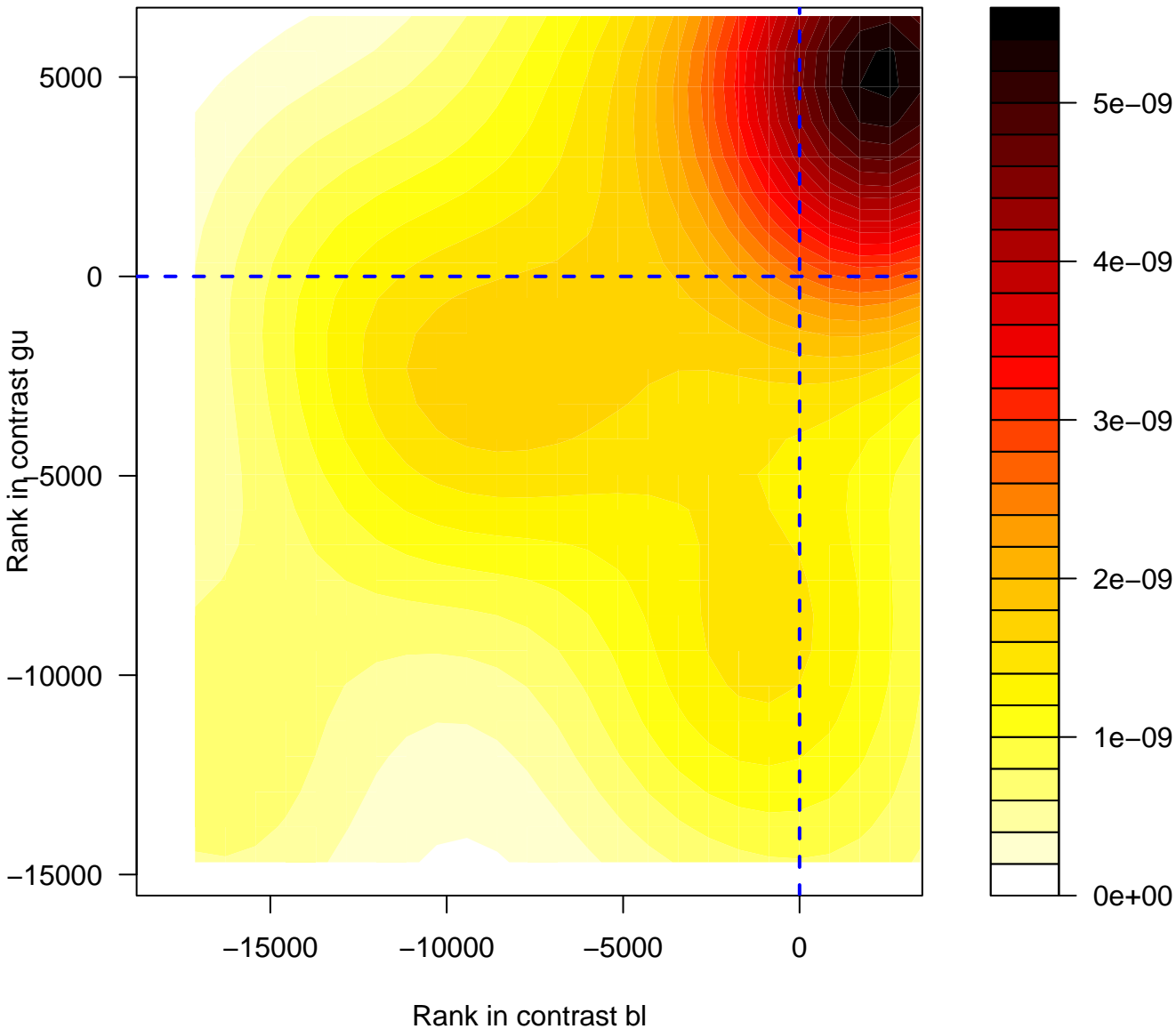
# Scavenging of heme from plasma



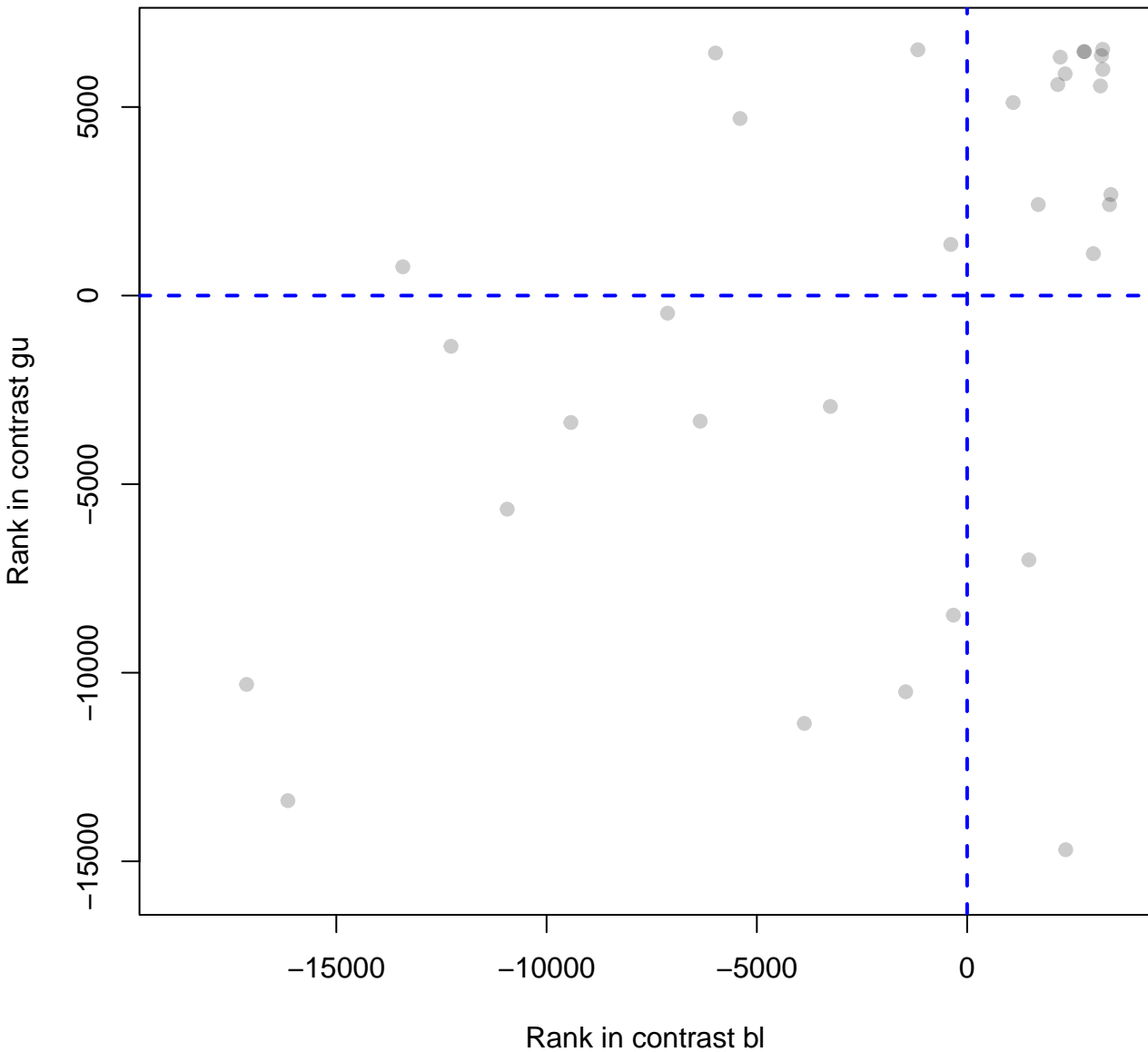
# Scavenging of heme from plasma



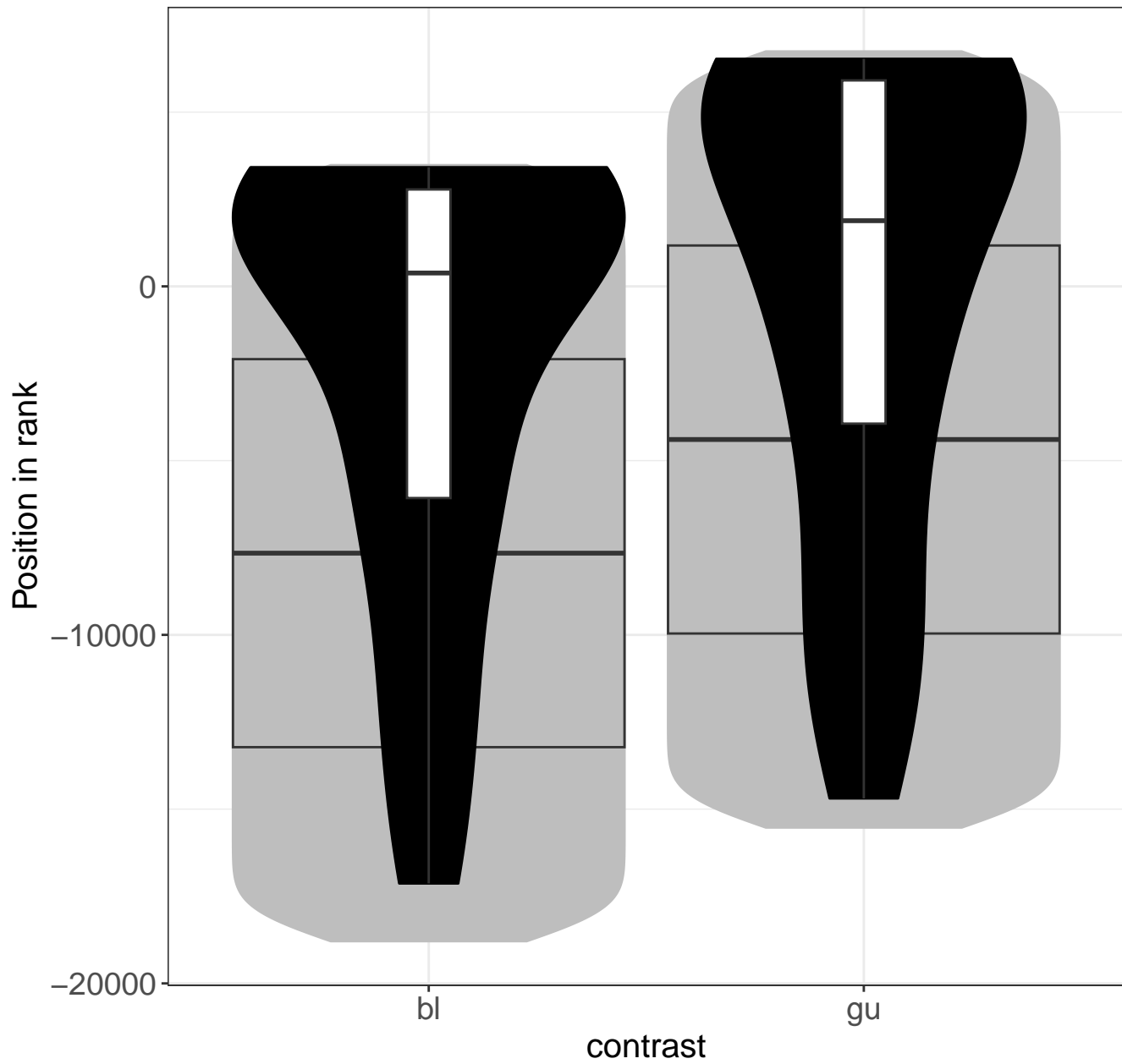
# Chromatin modifications during the maternal to zygotic transition



# Chromatin modifications during the maternal to zygotic transition (MZT)

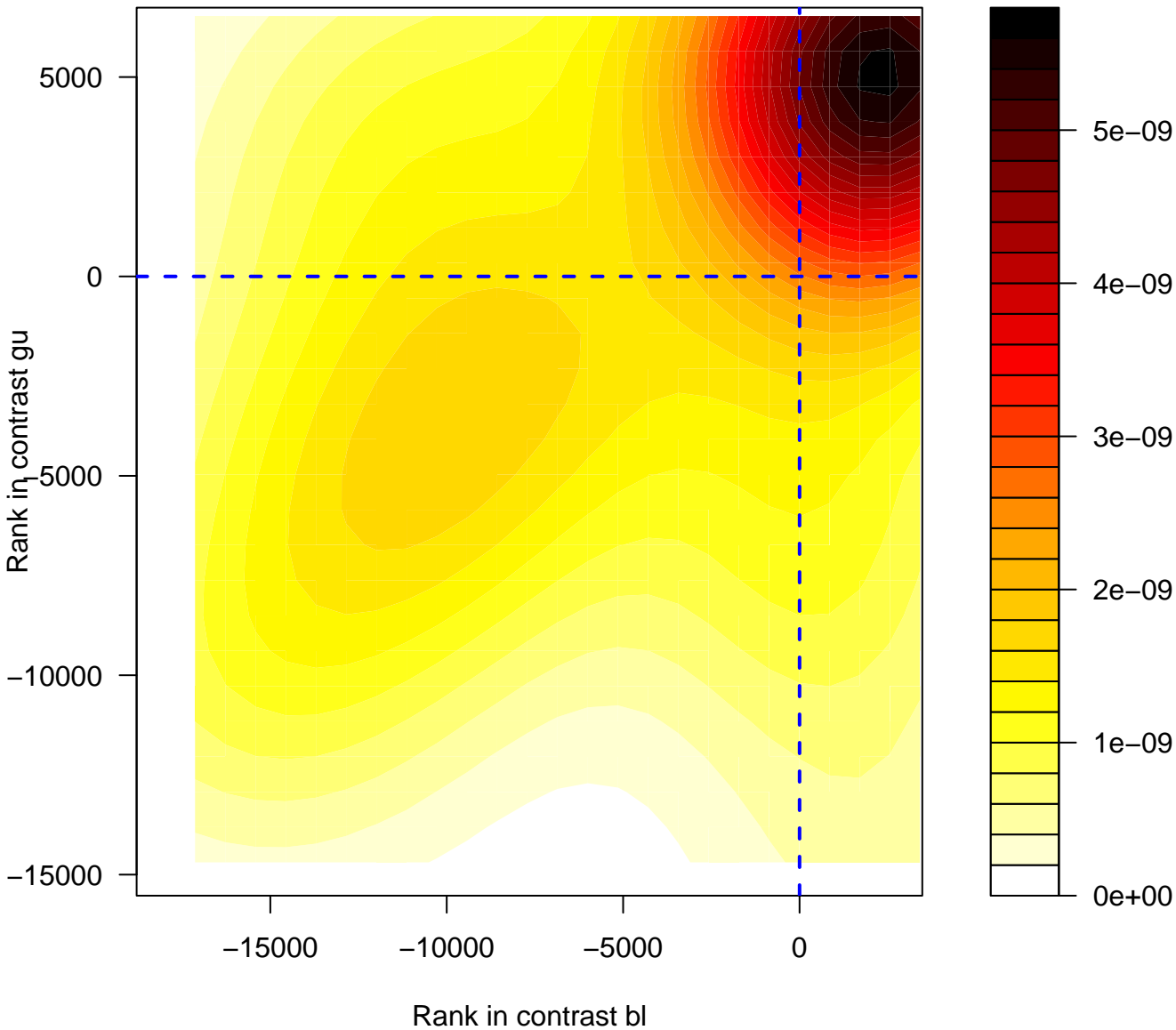


# Chromatin modifications during the maternal to zygotic transition

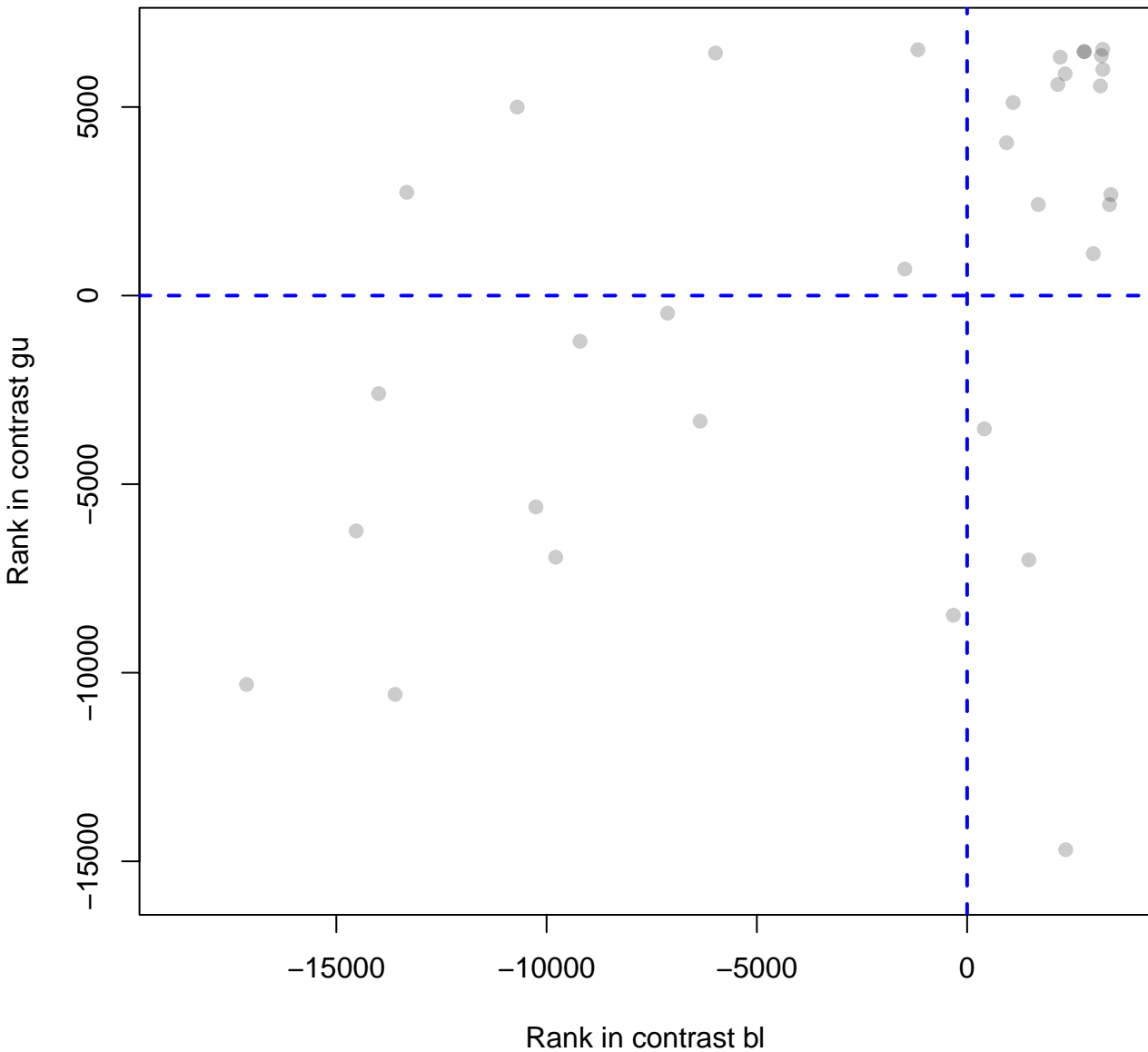




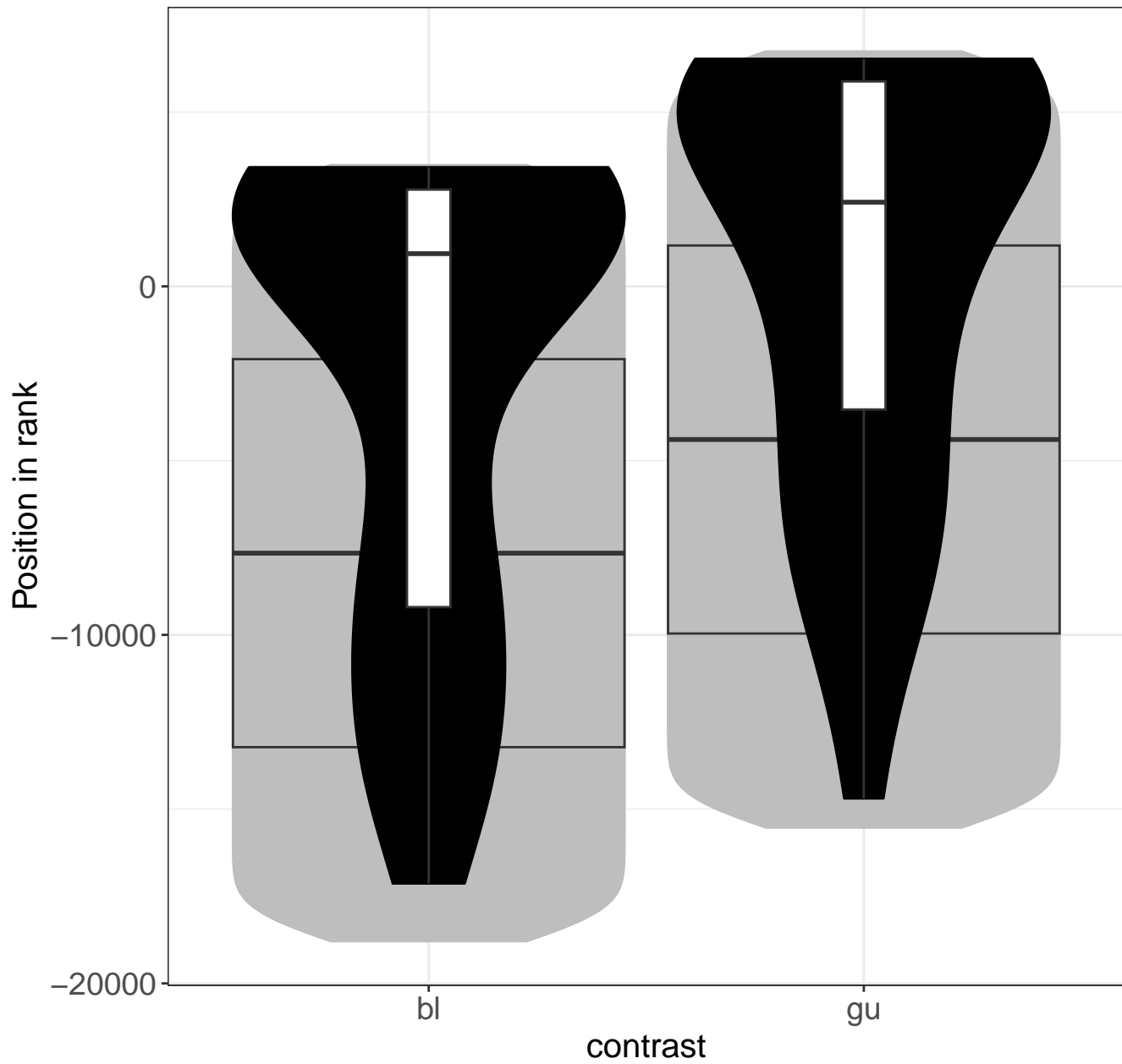
# Cleavage of the damaged purine



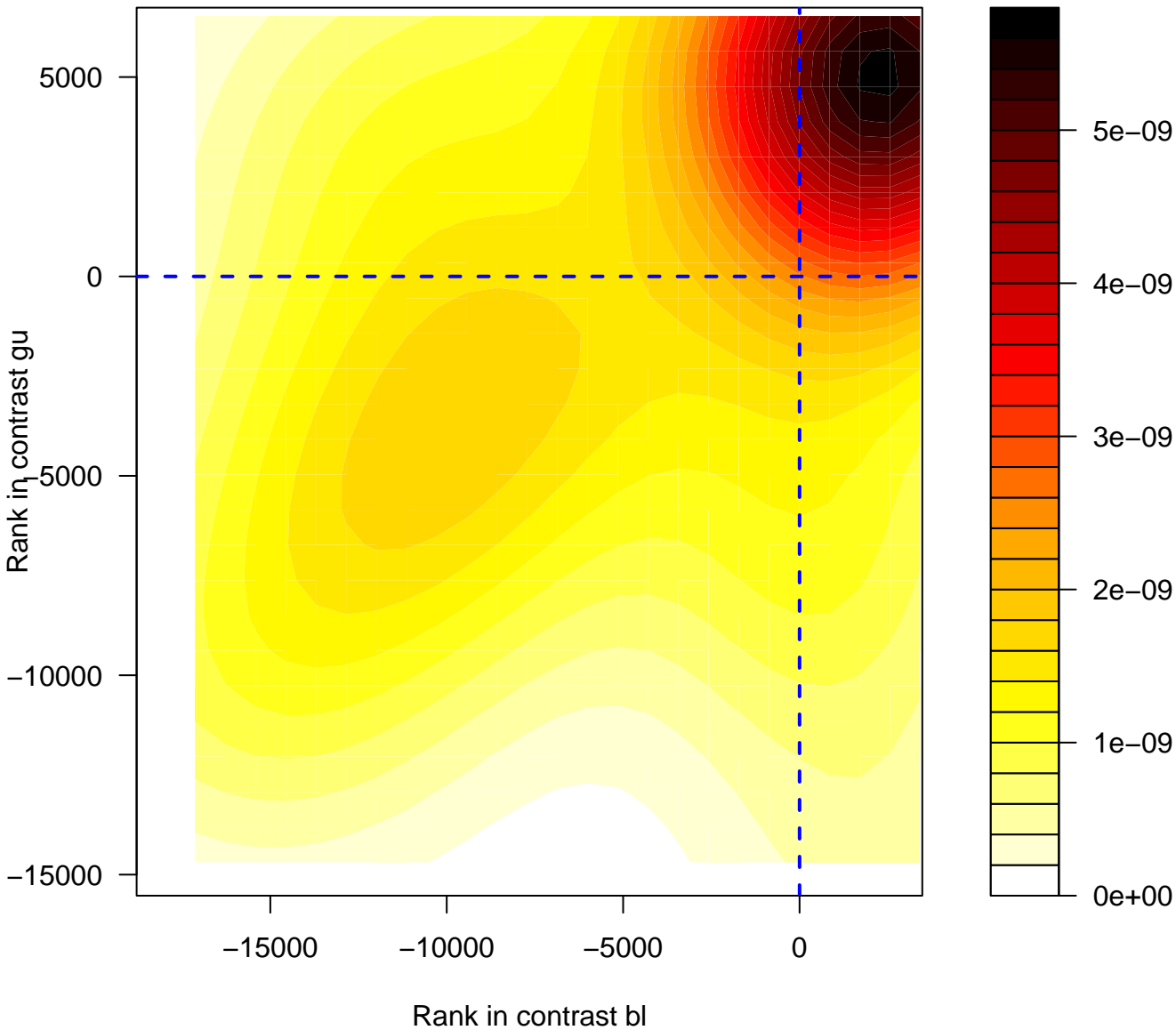
# Cleavage of the damaged purine



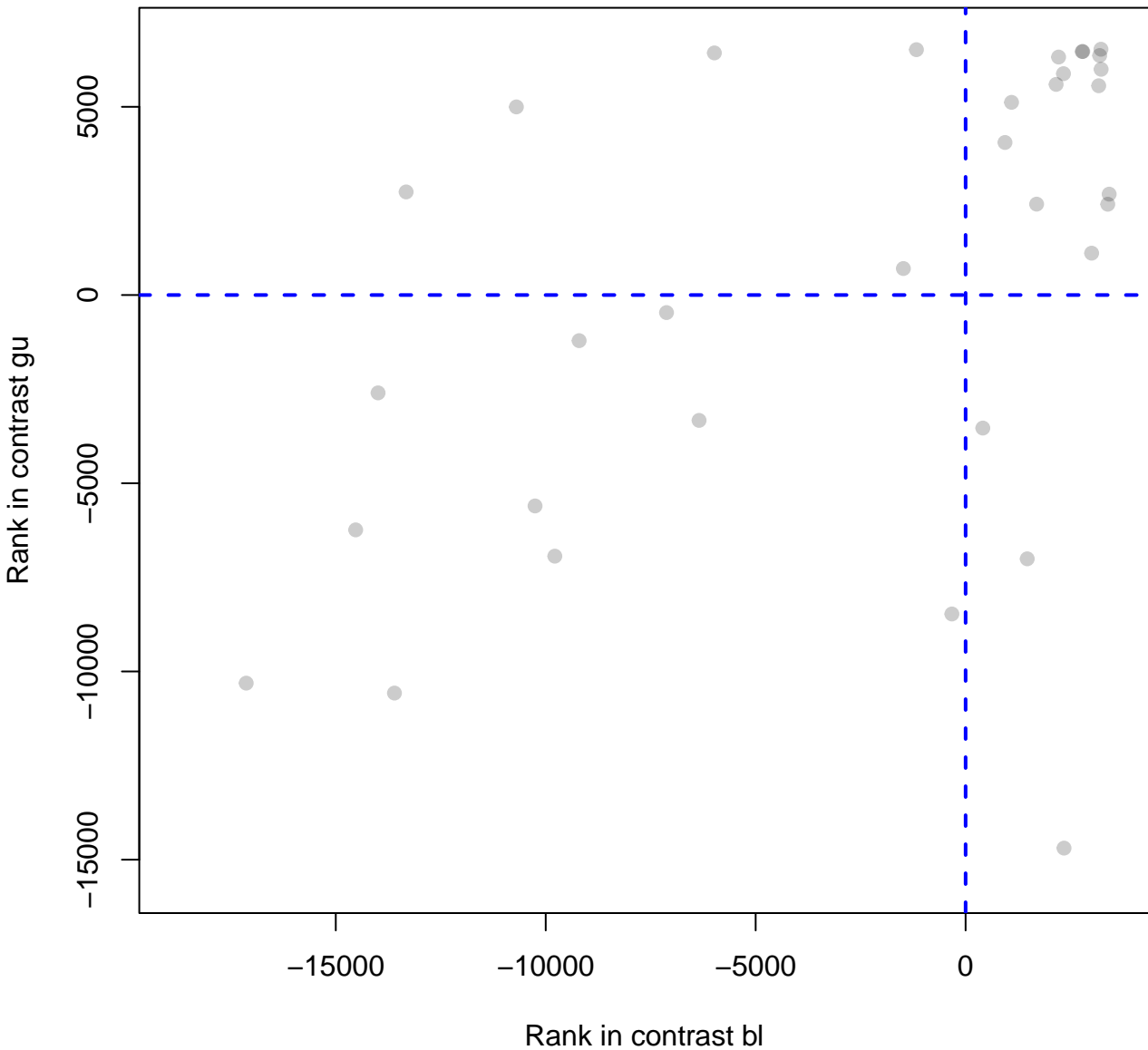
# Cleavage of the damaged purine



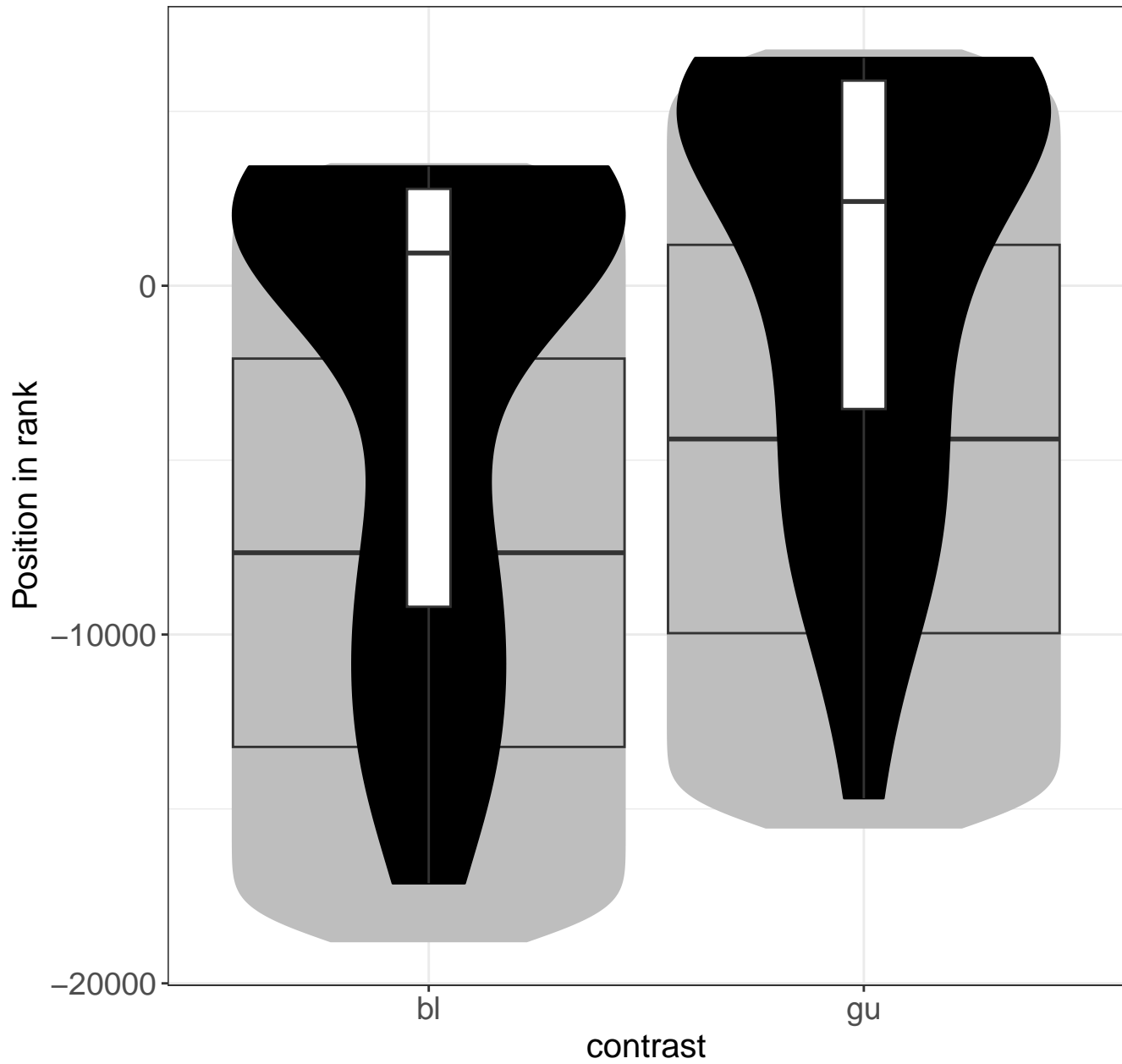
# Depurination



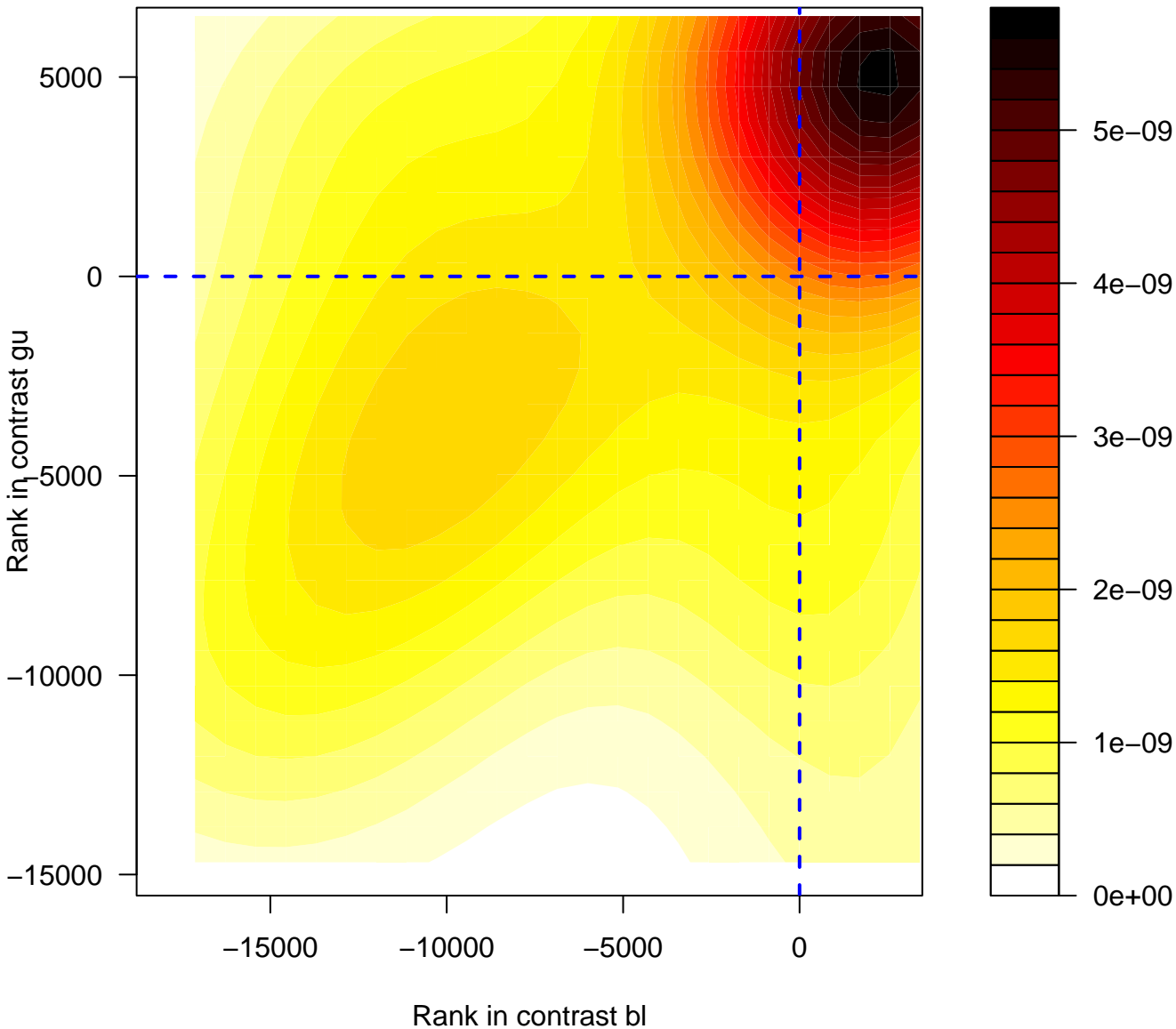
# Depurination



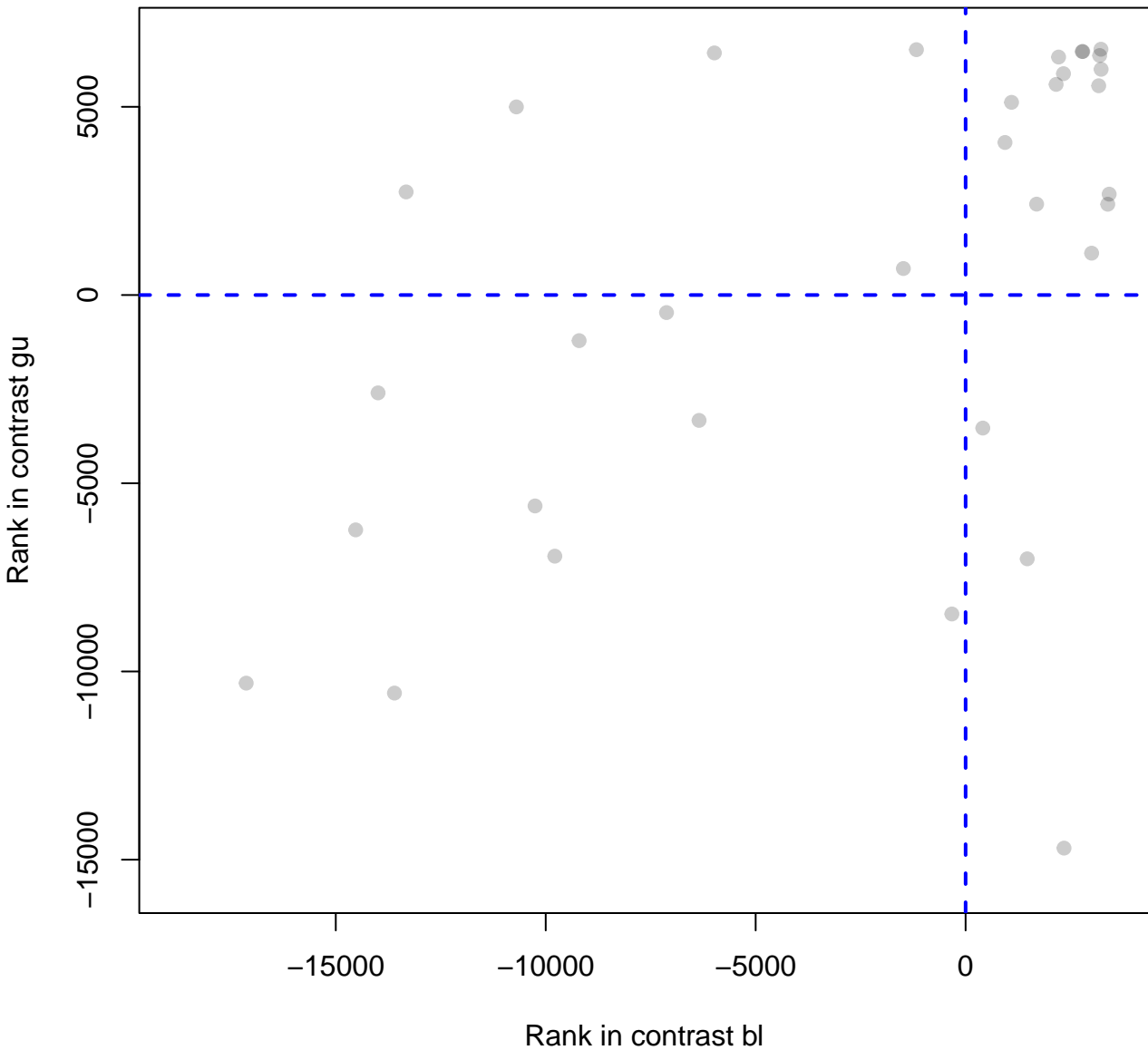
# Depurination



# on and association of DNA glycosylase with site containing a

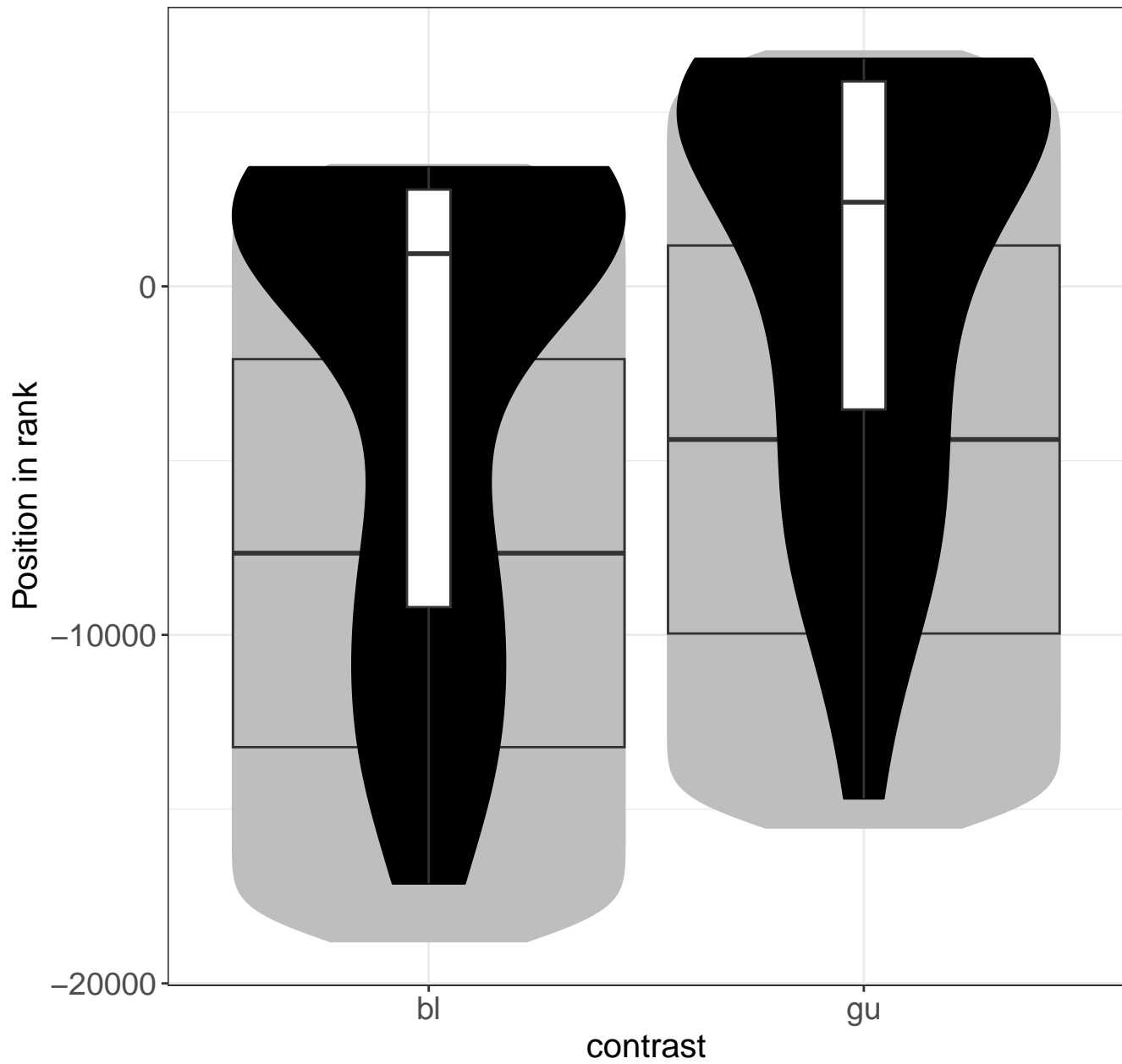


# Cognition and association of DNA glycosylase with site containing an affected

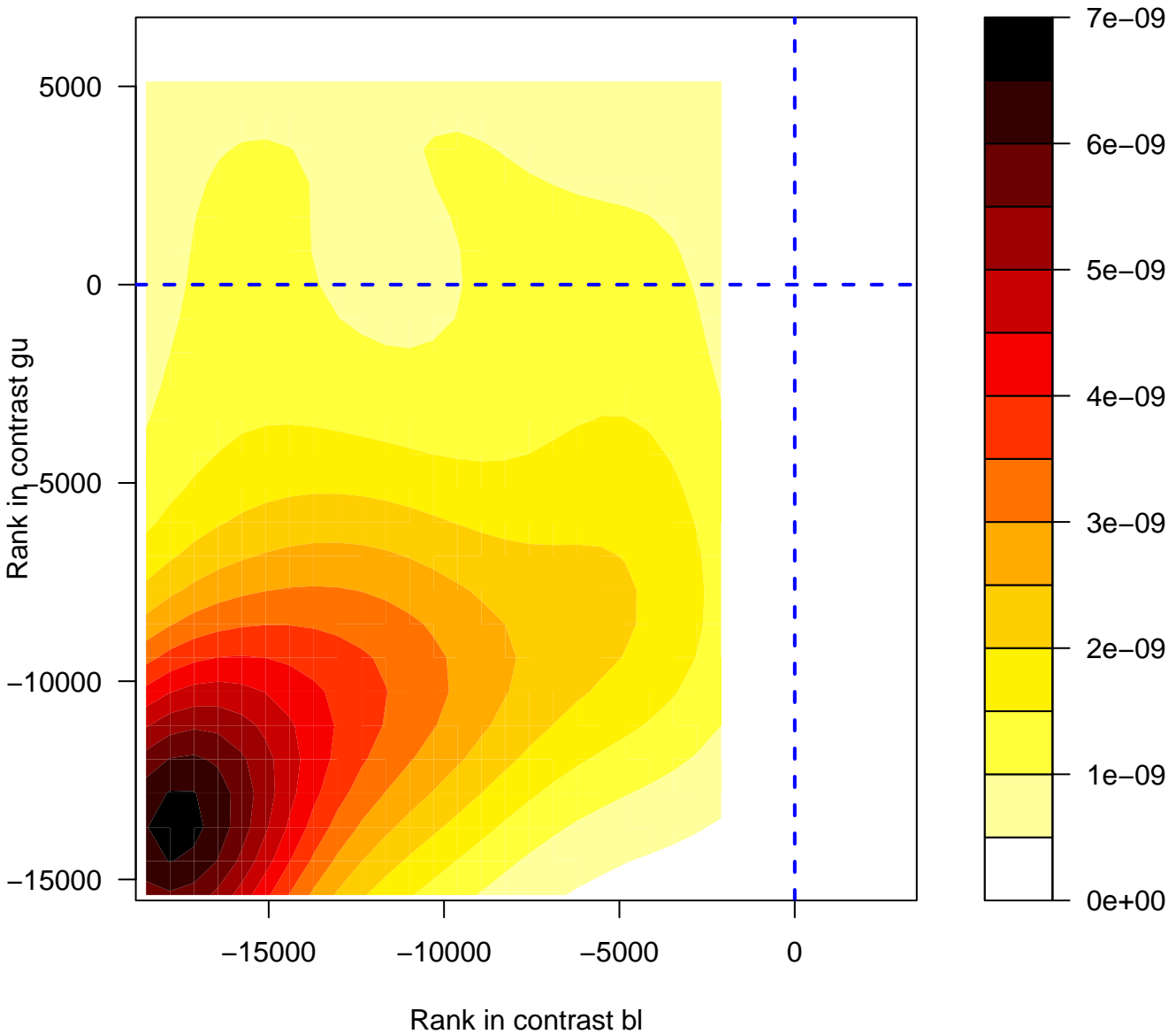




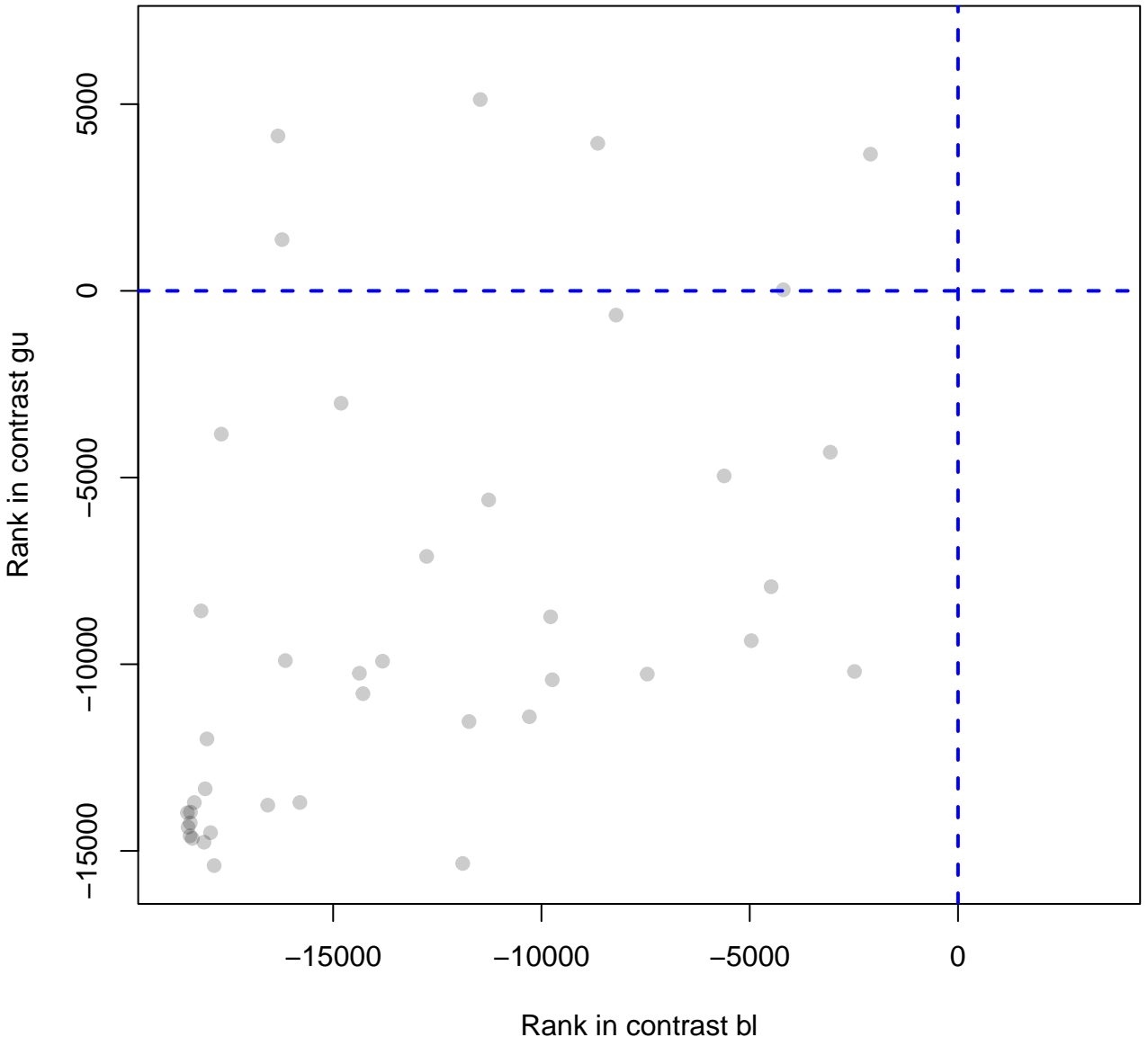
# Recognition and association of DNA glycosylase



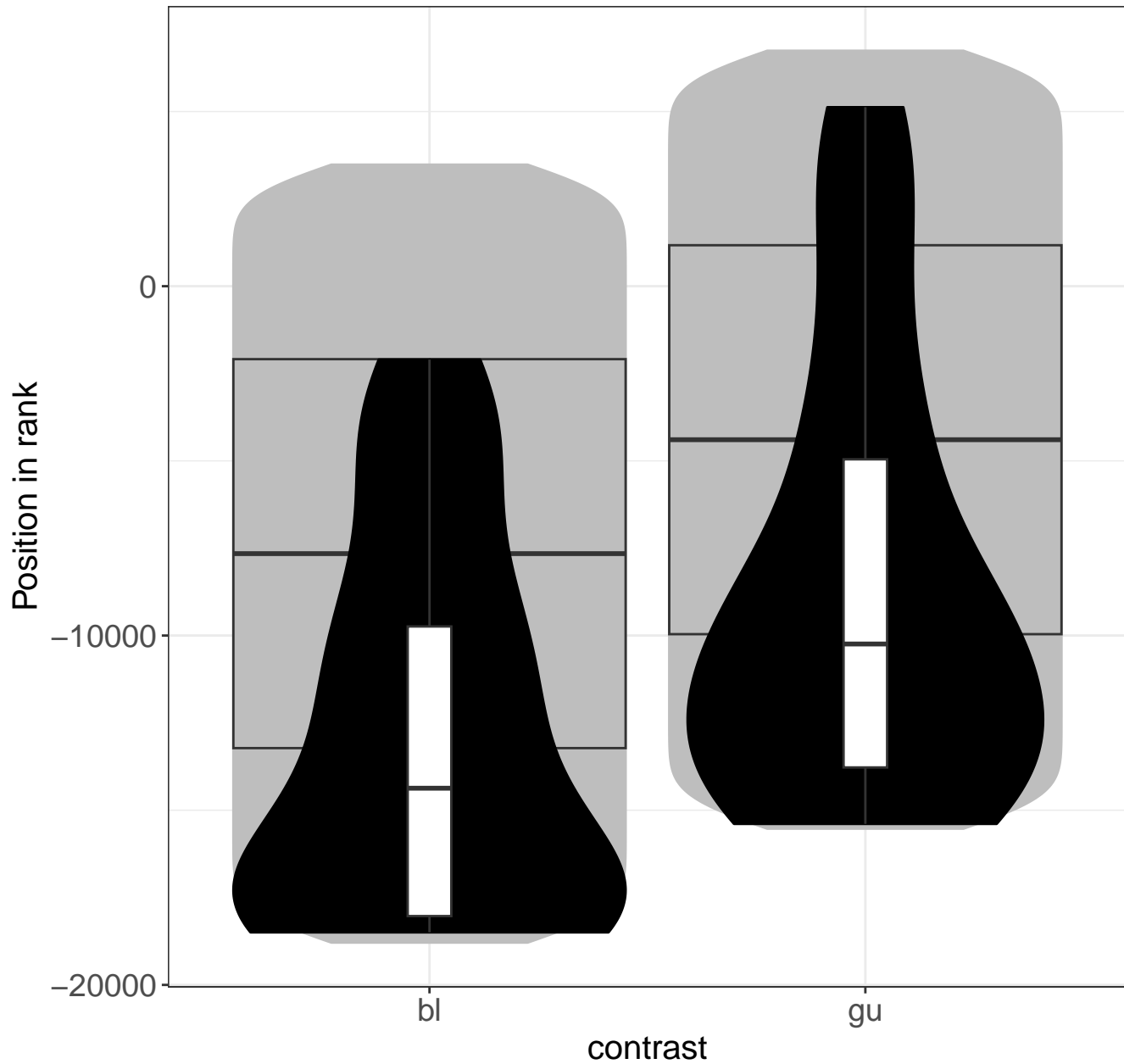
# Sensory perception of sweet, bitter, and umami (glutamate)



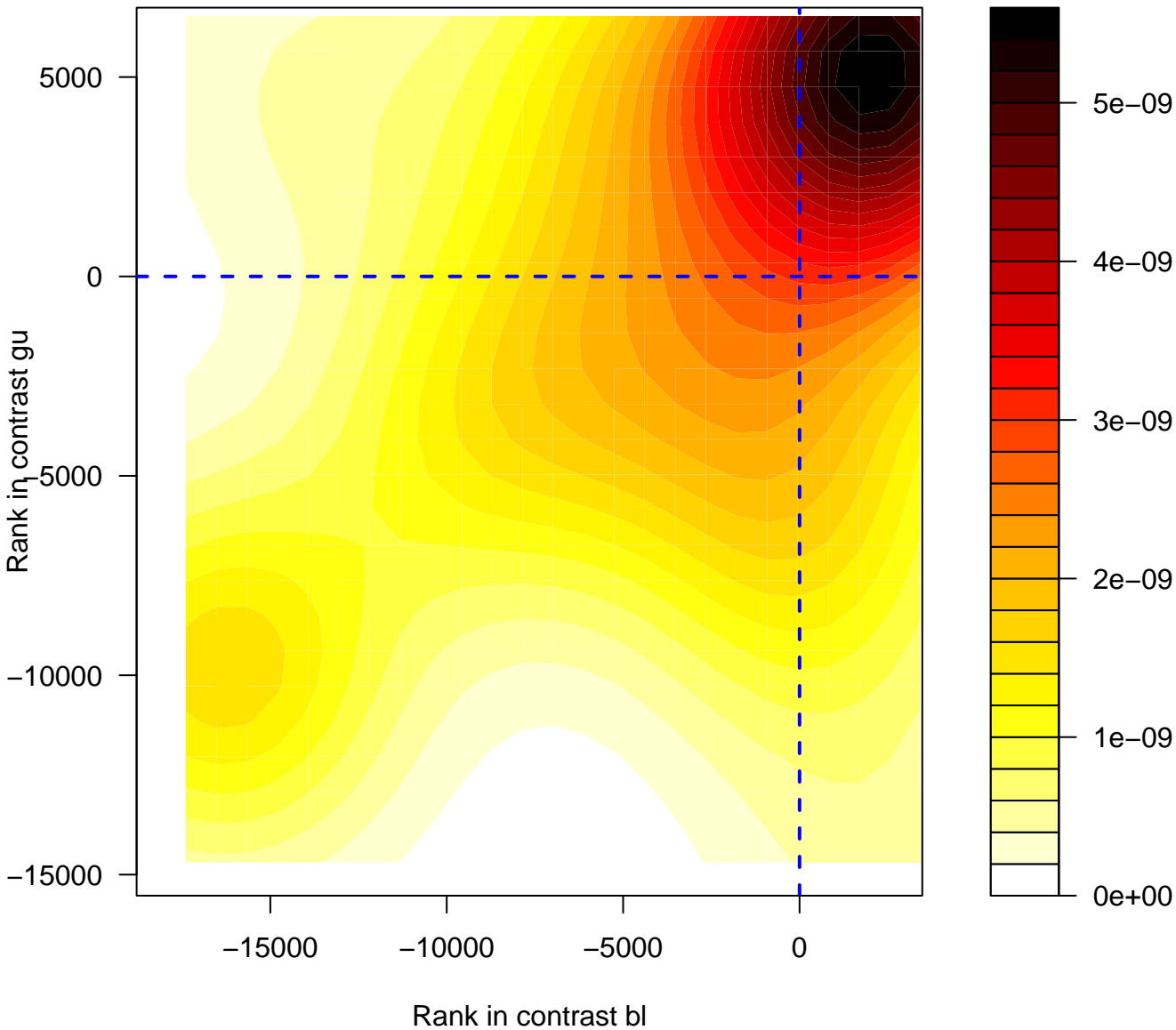
# Sensory perception of sweet, bitter, and umami (glutamate) taste



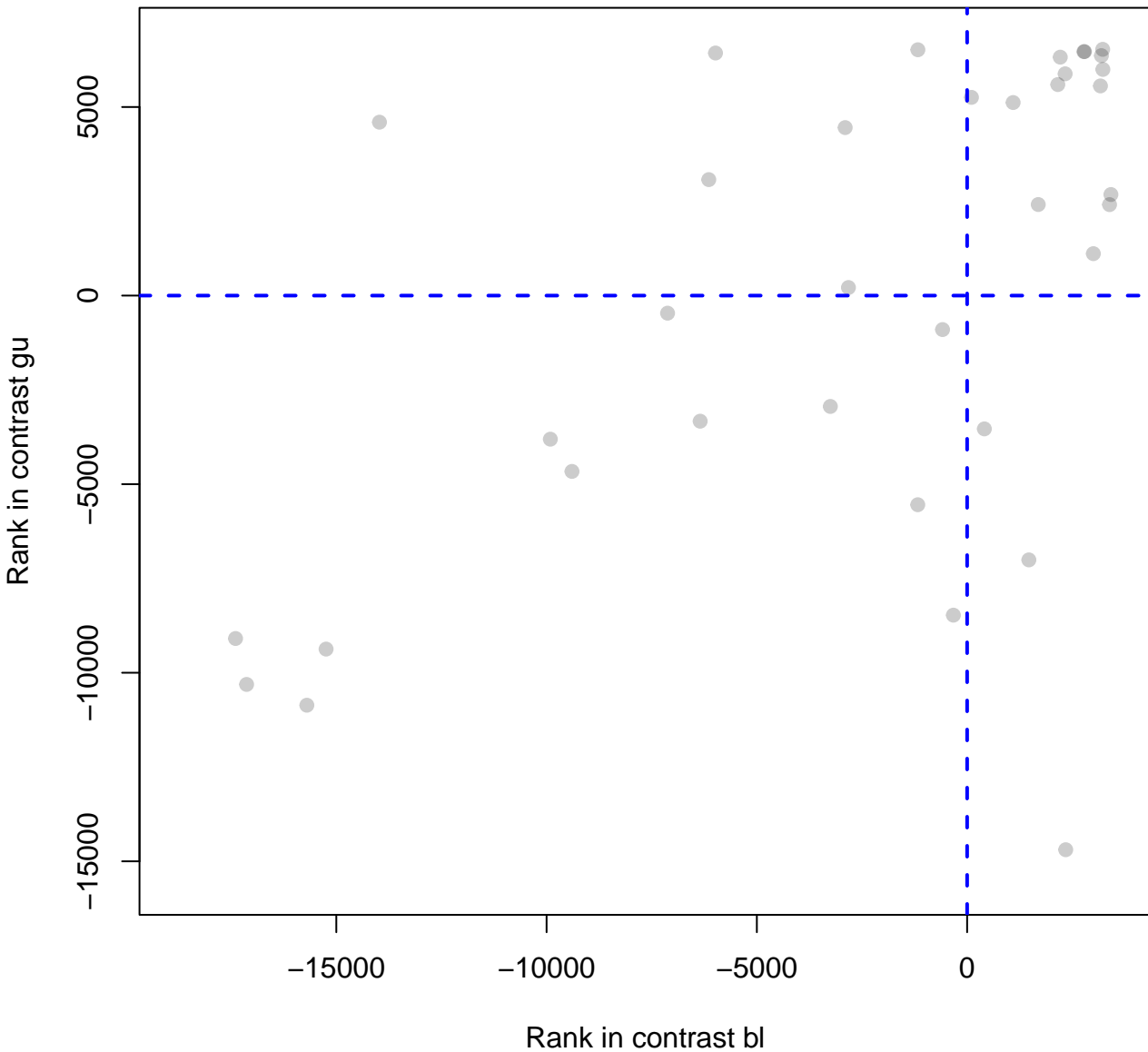
# Sensory perception of sweet, bitter, and umami (



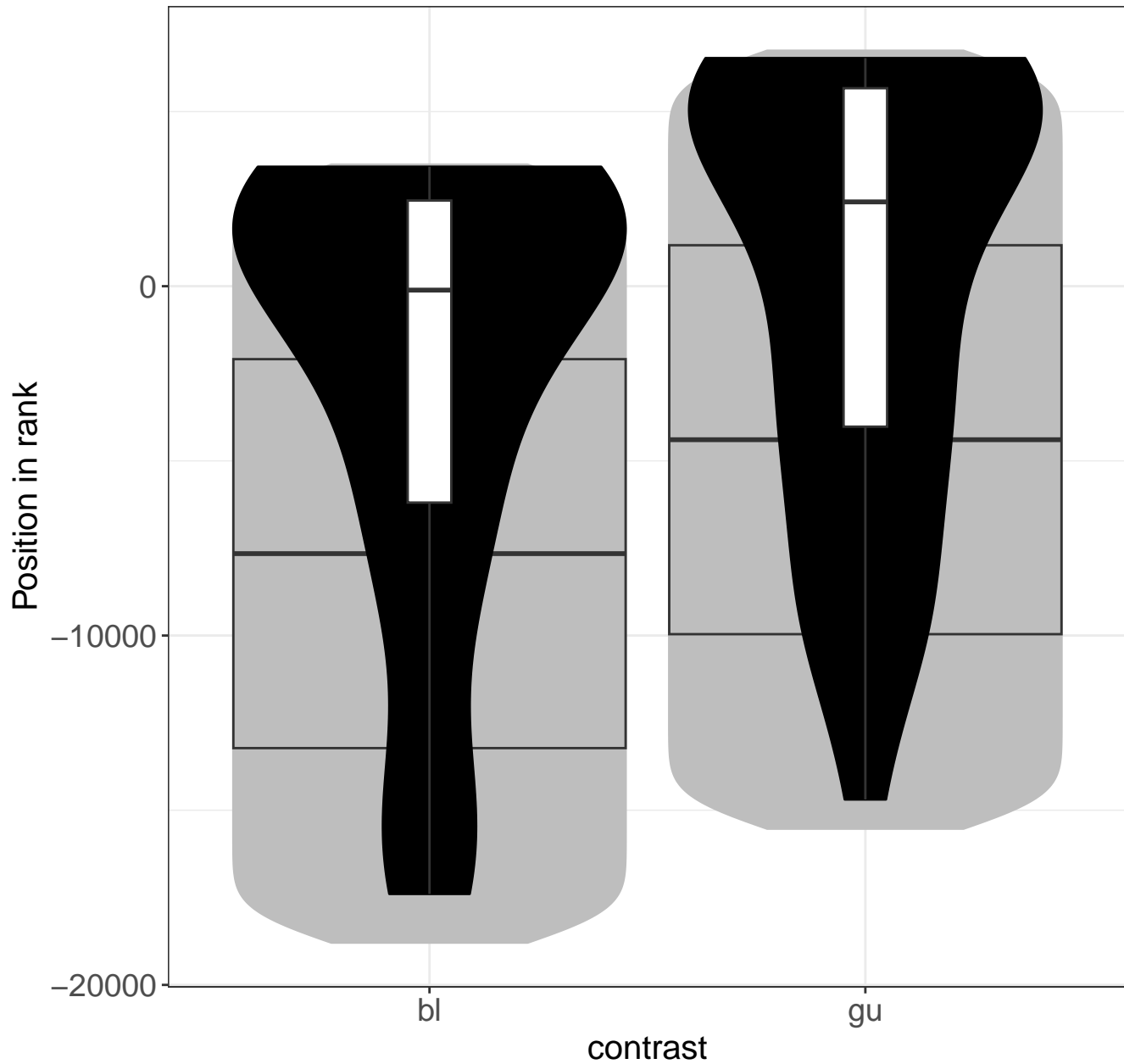
# Condensation of Prophase Chromosomes



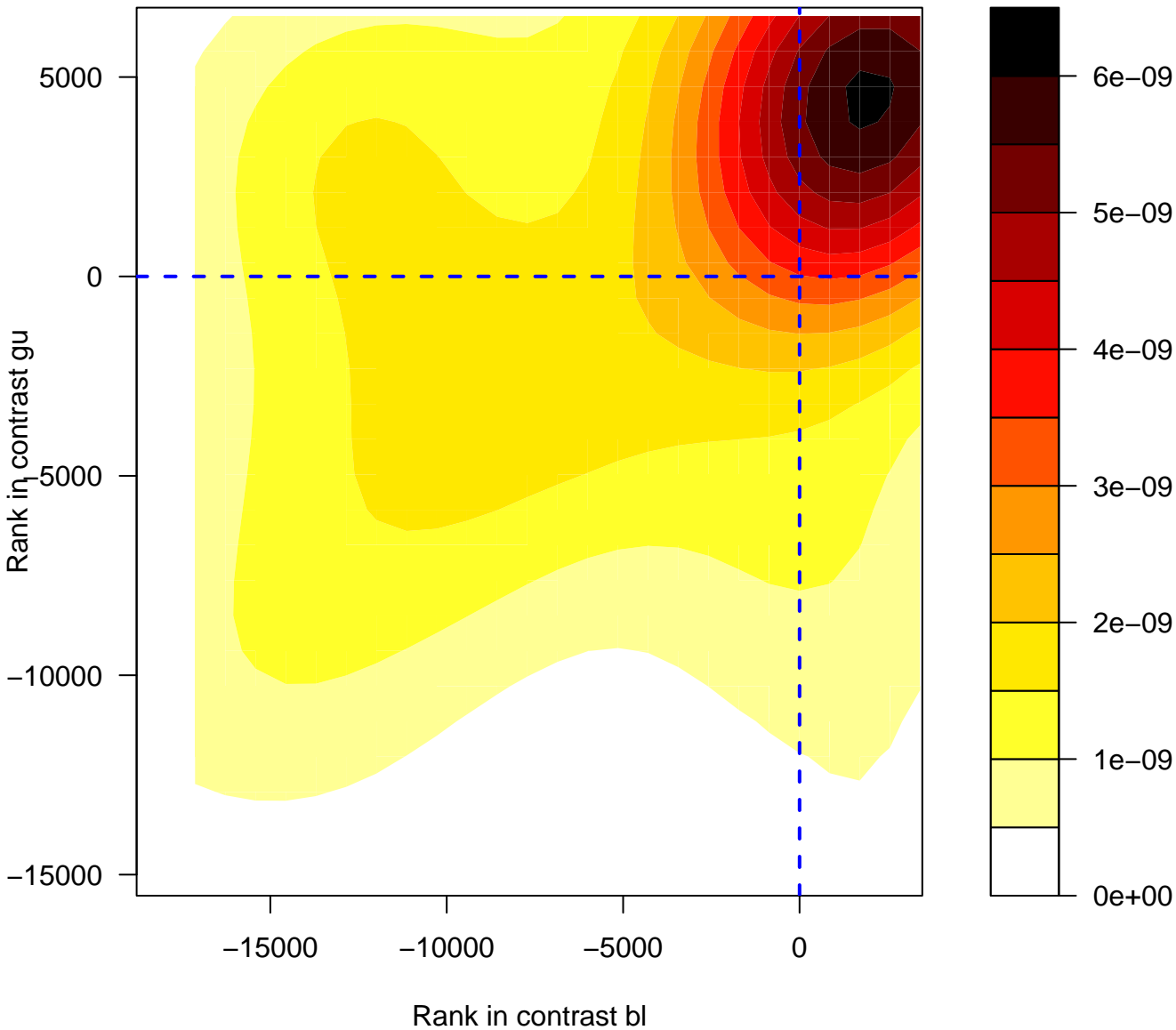
# Condensation of Prophase Chromosomes



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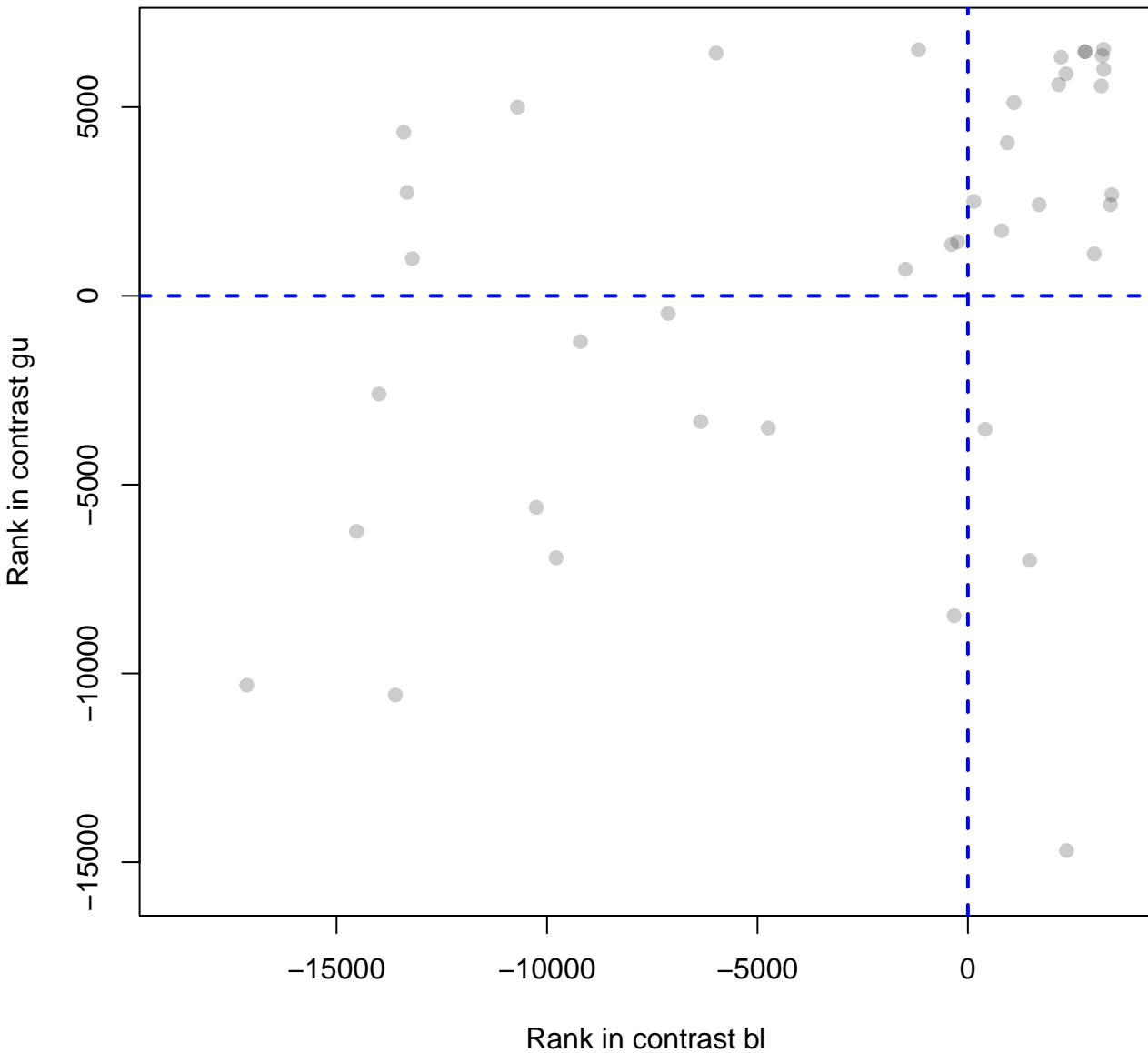


# Base-Excision Repair, AP Site Formation

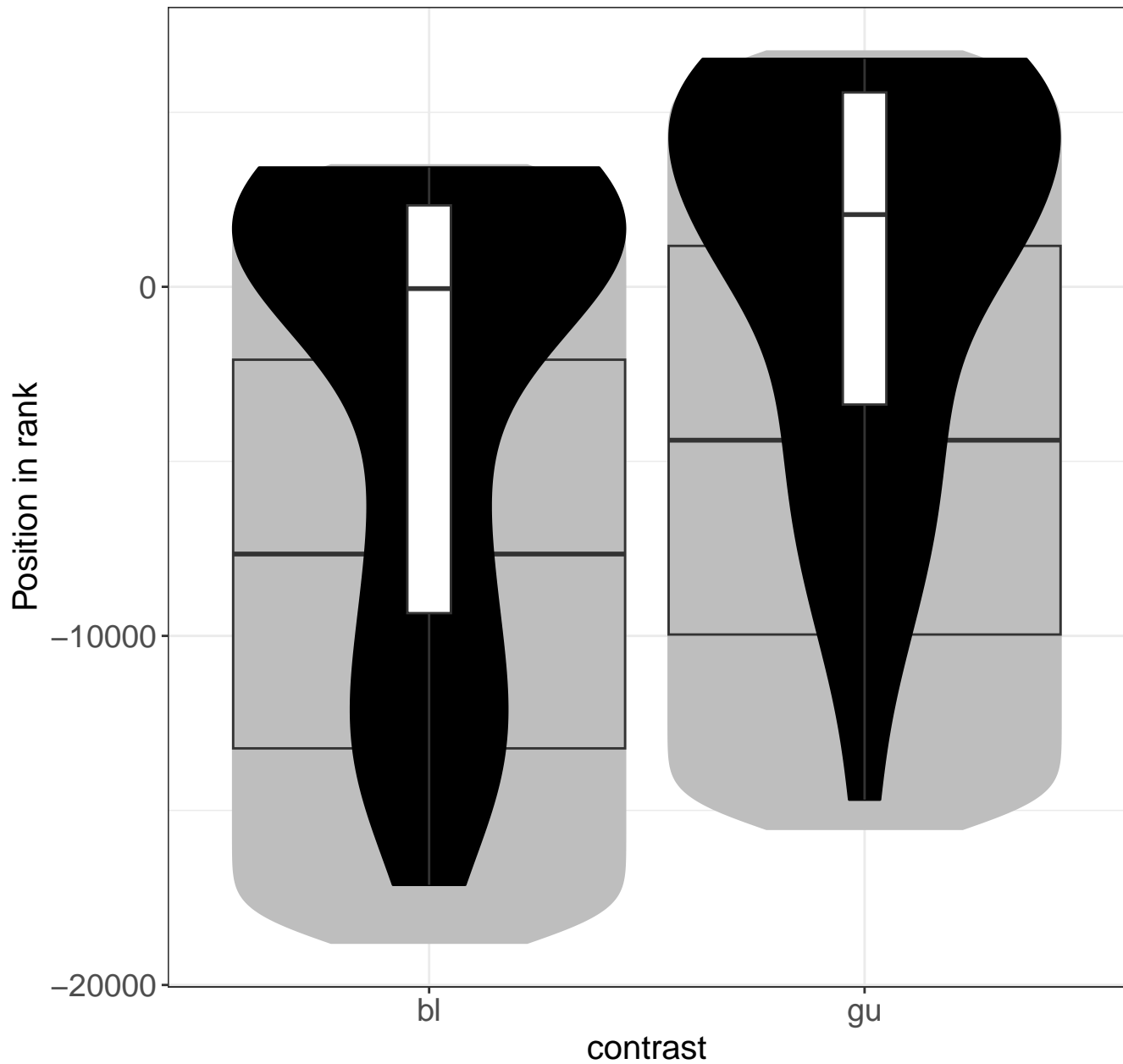




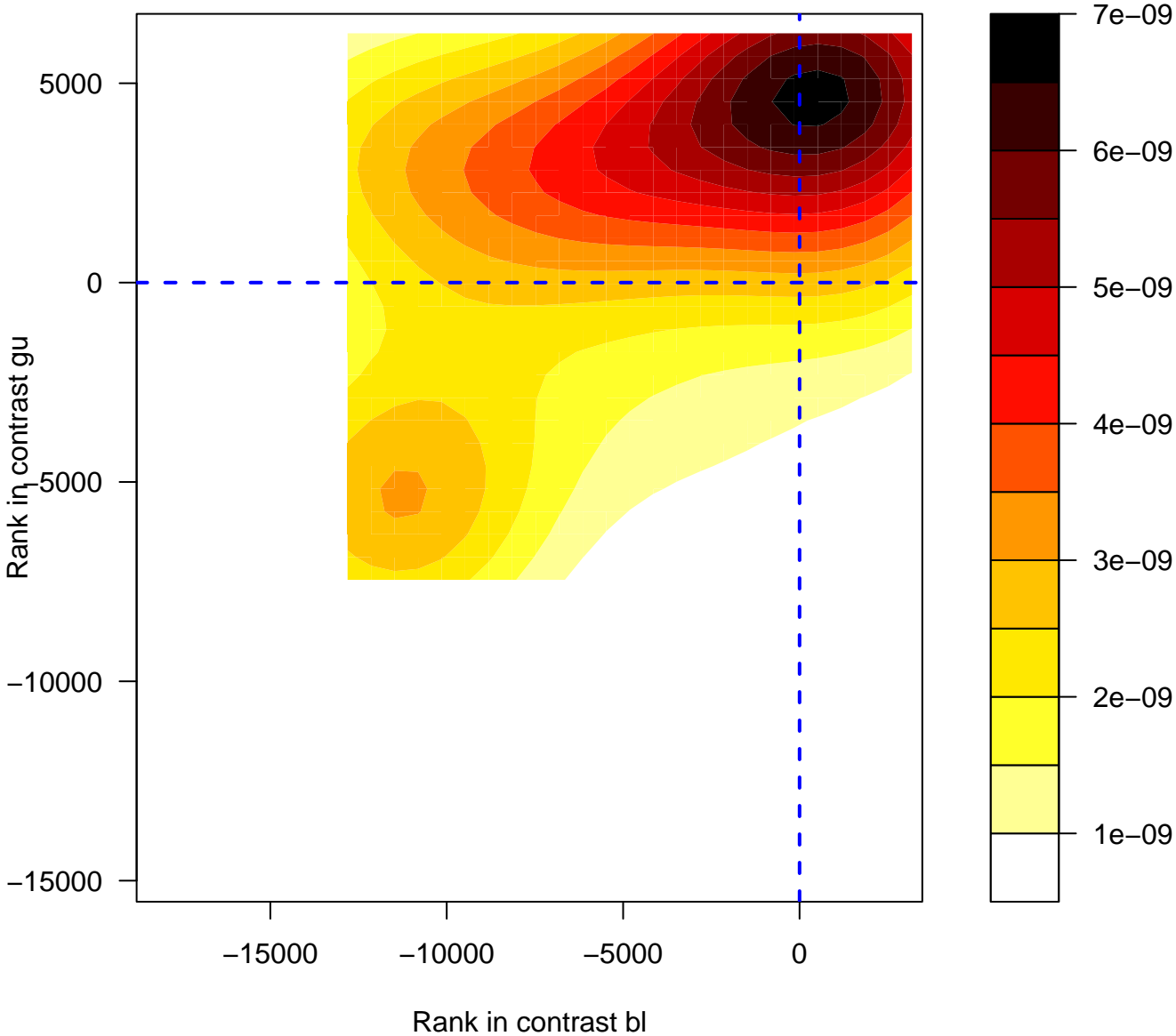
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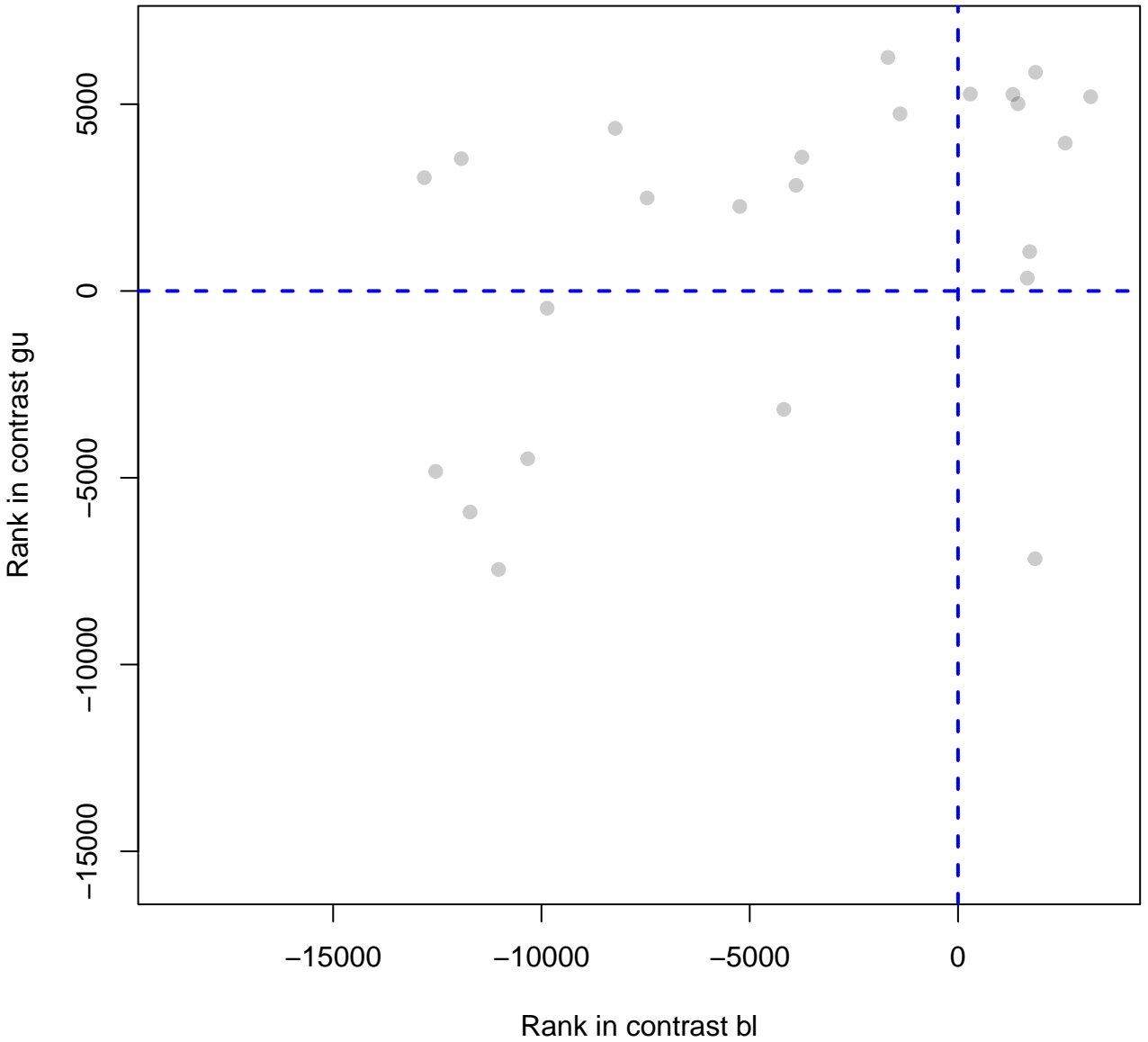
# Base-Excision Repair, AP Site Formation



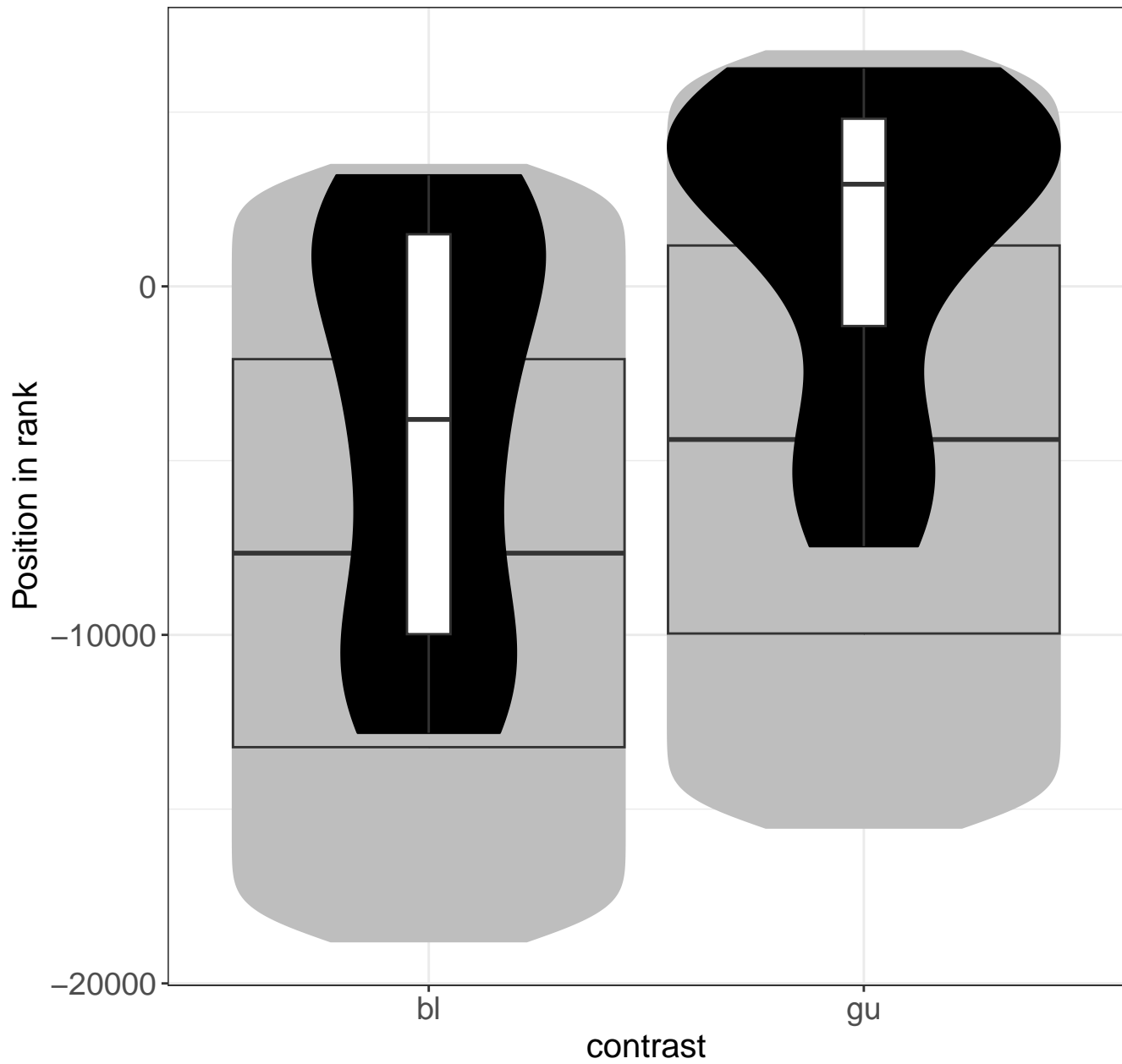
# Complex III assembly



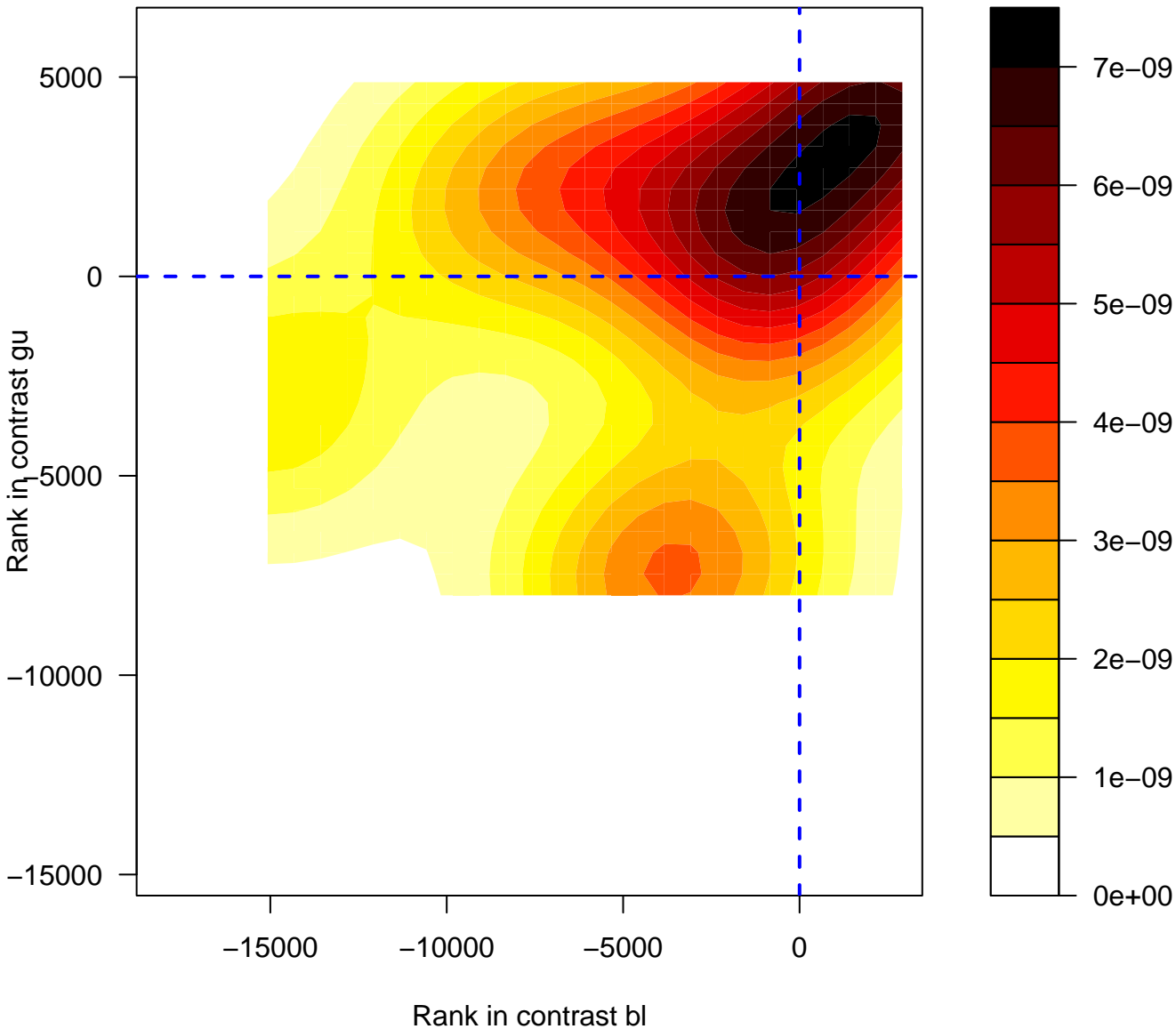
# Complex III assembly



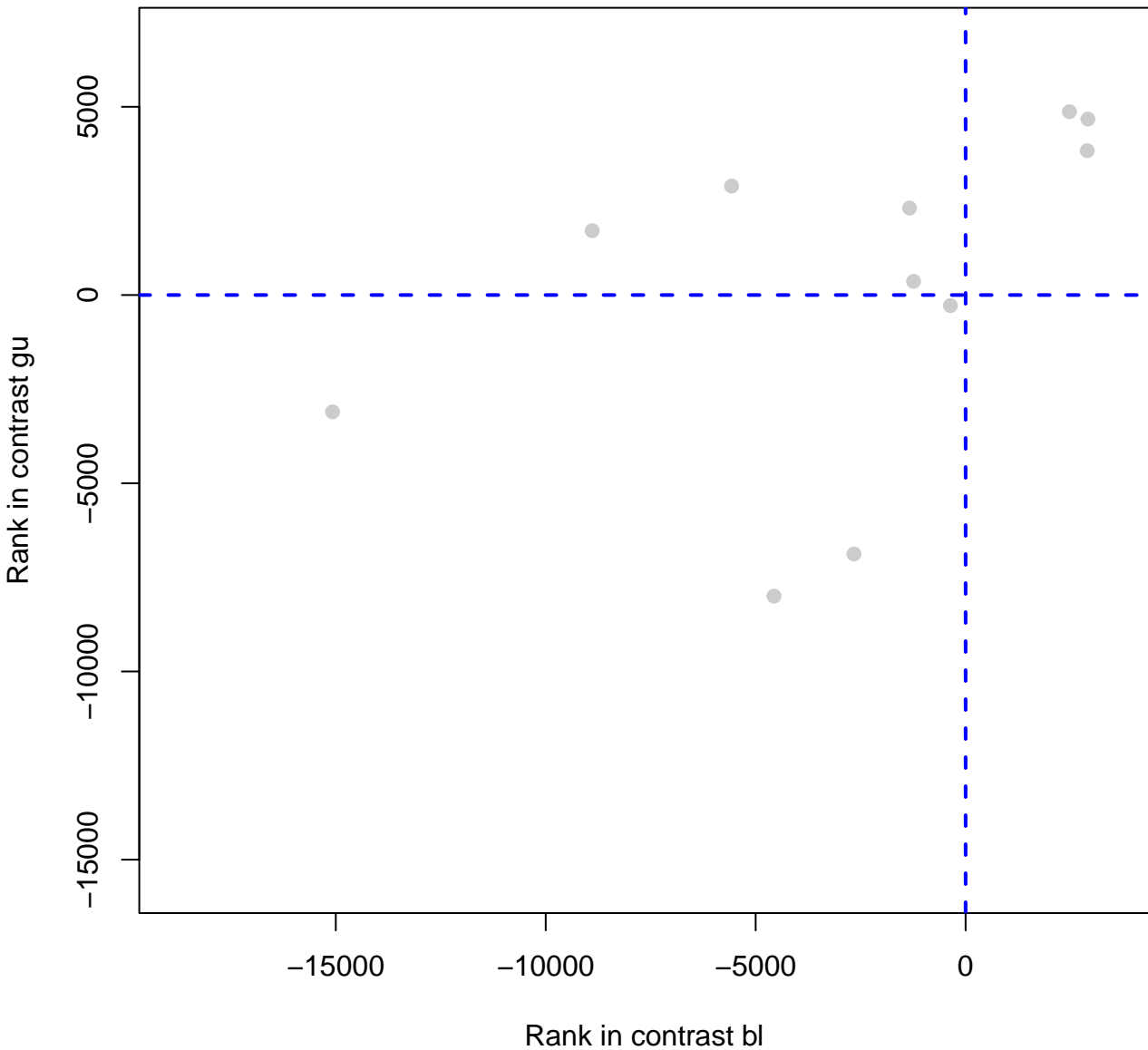
# Complex III assembly



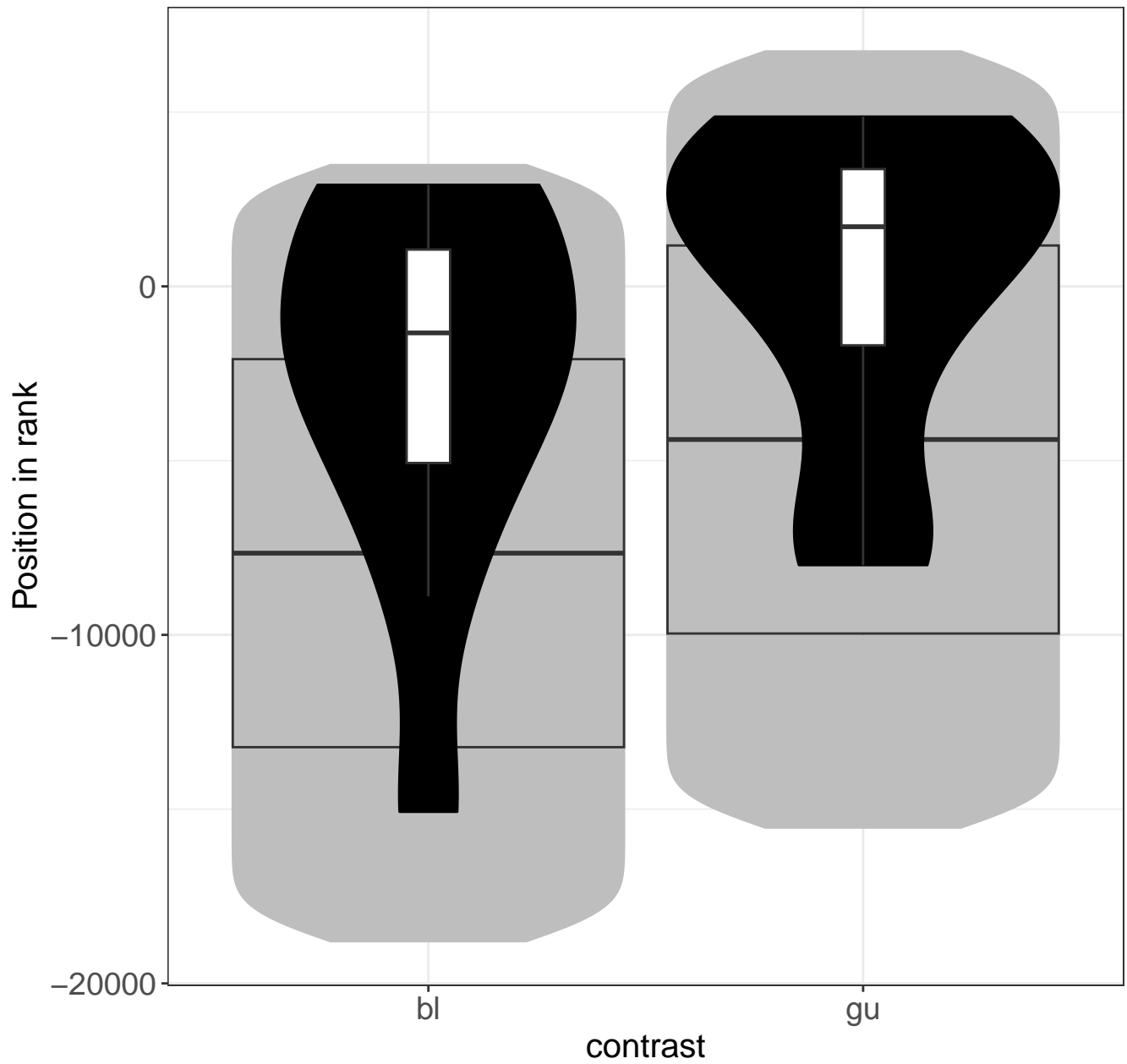
# ation of TBK1, IKK.-mediated activation of IRF3, IRF7 upon T



# Regulation of TBK1, IKK.-mediated activation of IRF3, IRF7 upon TLR3 ligation

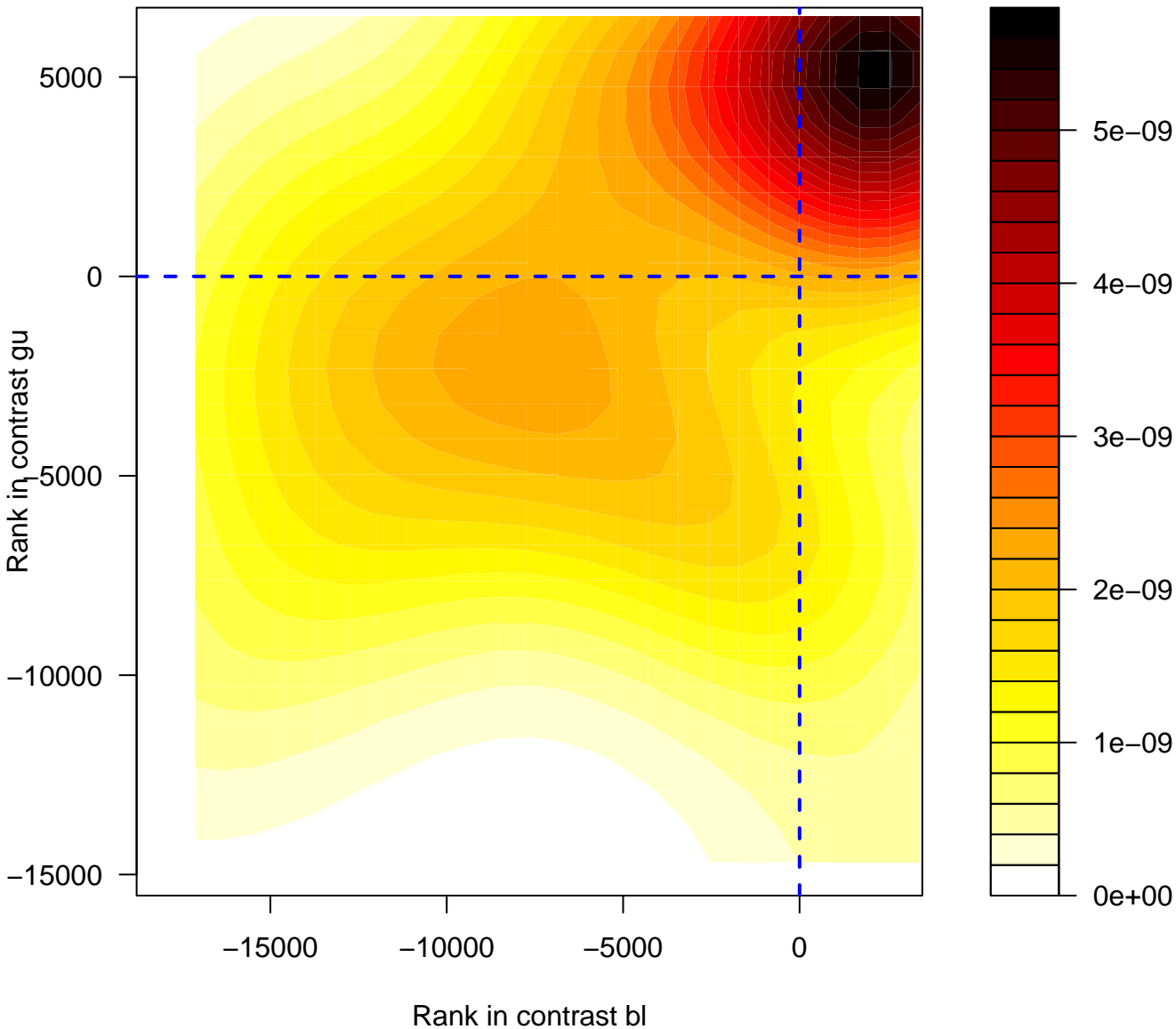


# Regulation of TBK1, IKK.-mediated activation of

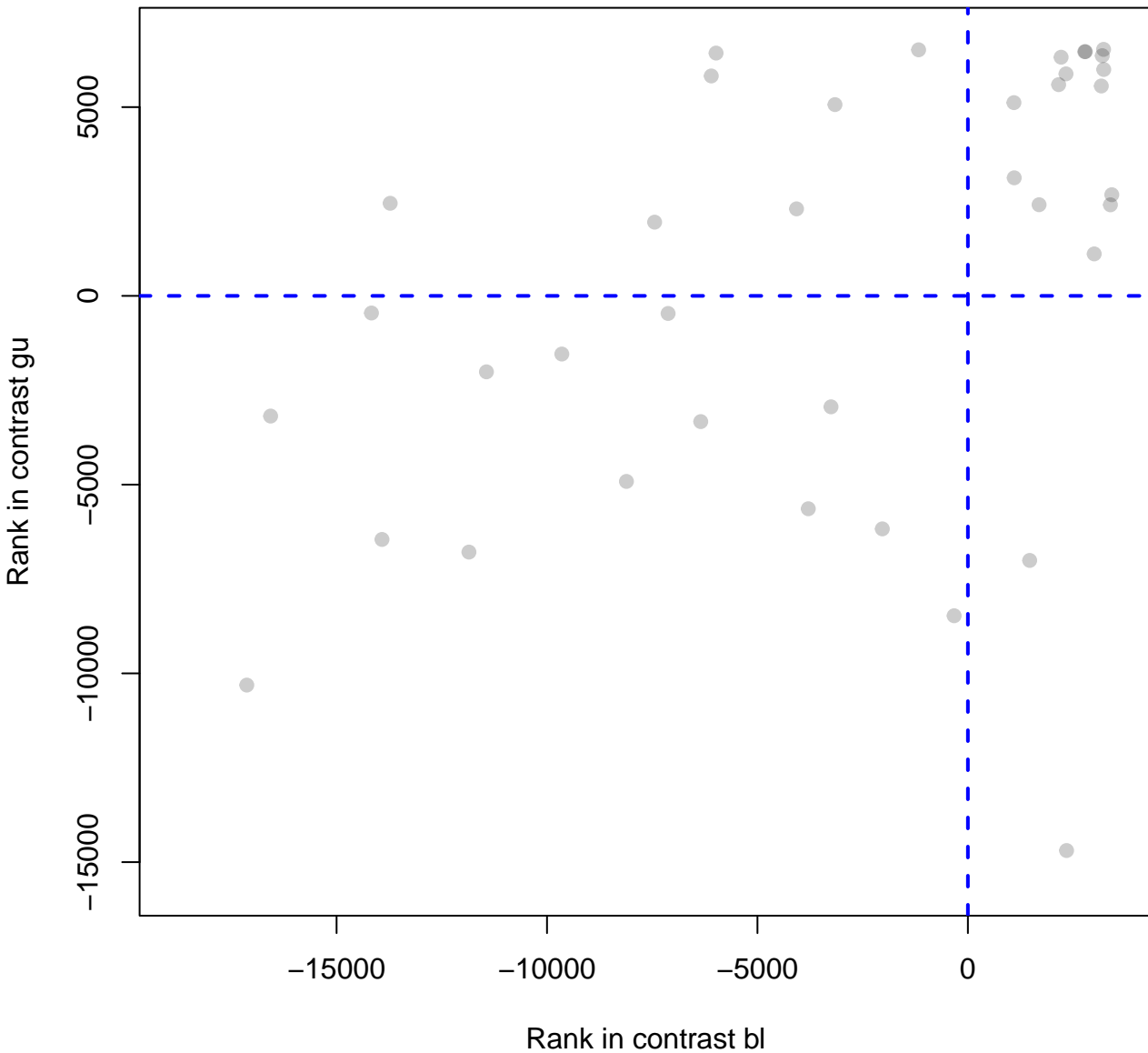




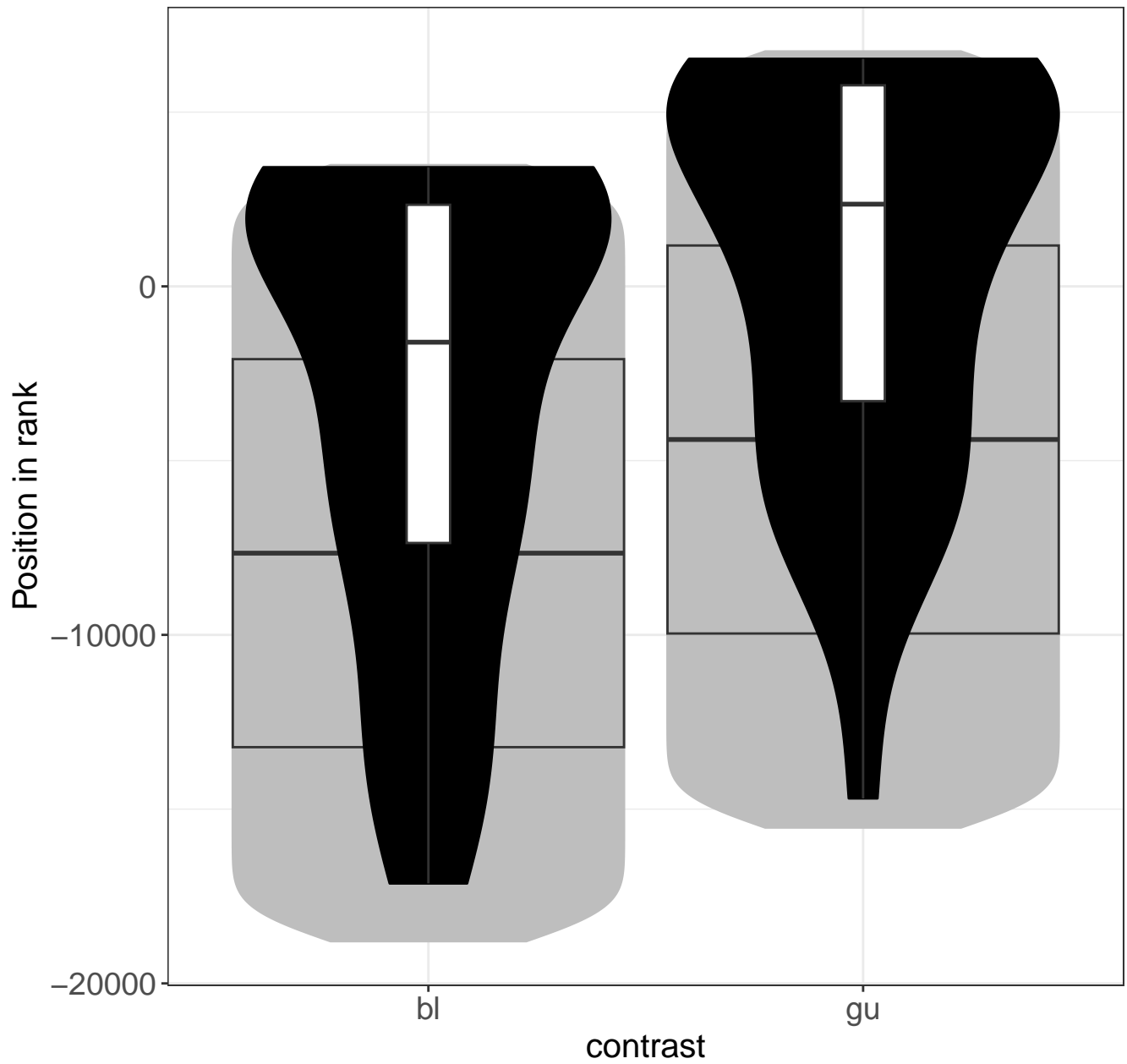
# ERCC6 (CSB) and EHMT2 (G9a) positively regulate rRNA expr



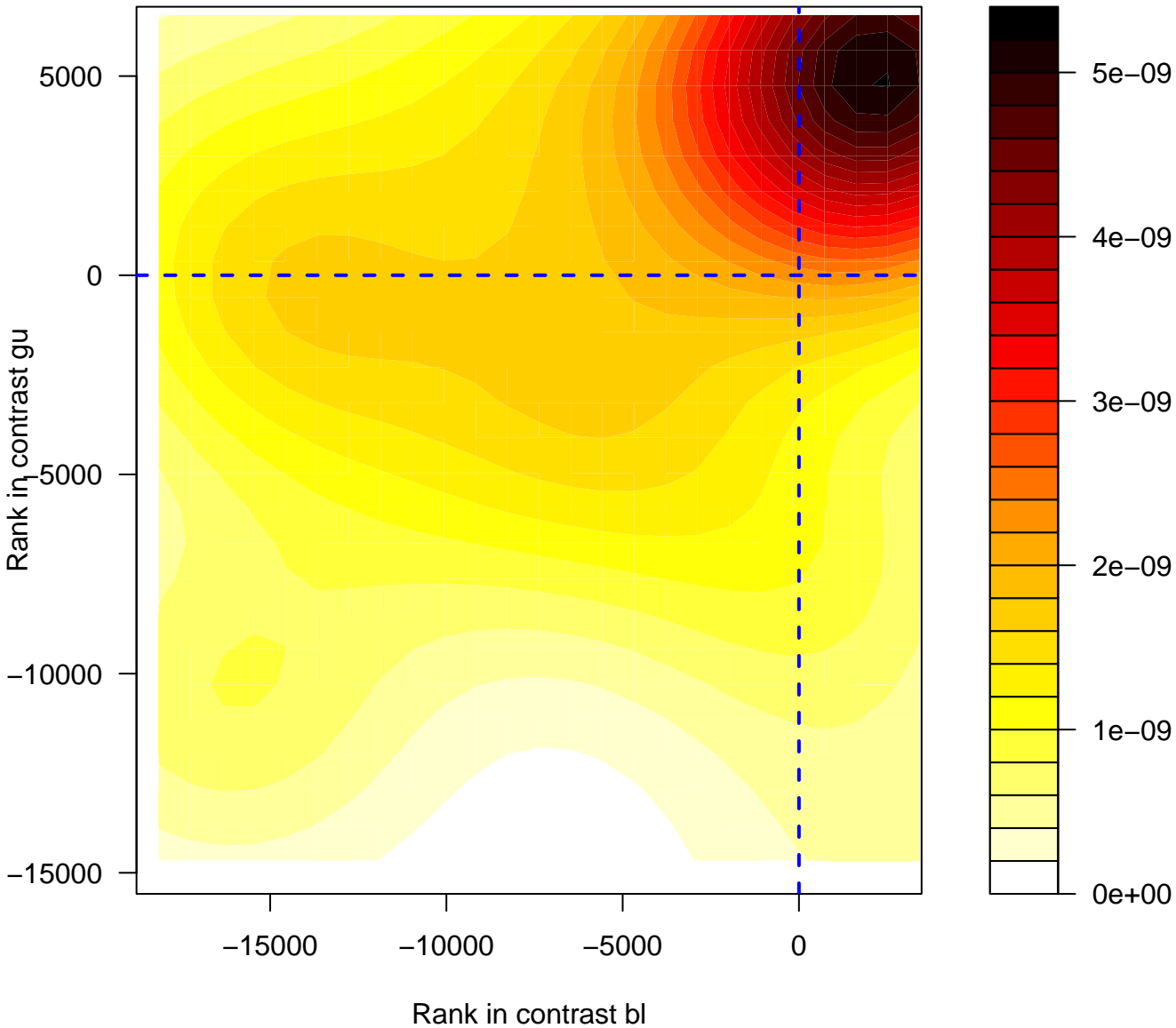
# ERCC6 (CSB) and EHMT2 (G9a) positively regulate rRNA expression



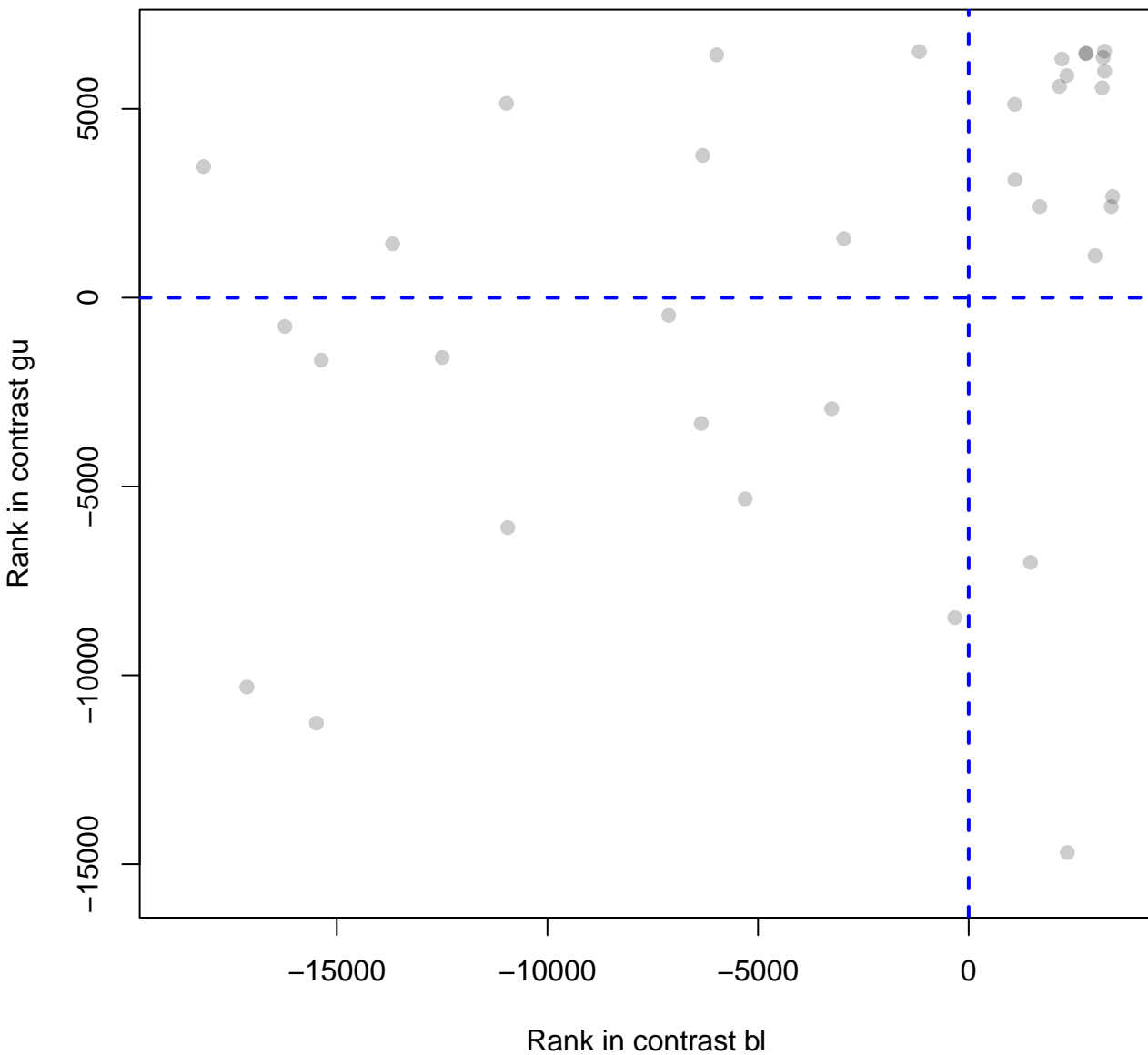
# ERCC6 (CSB) and EHMT2 (G9a) positively regu



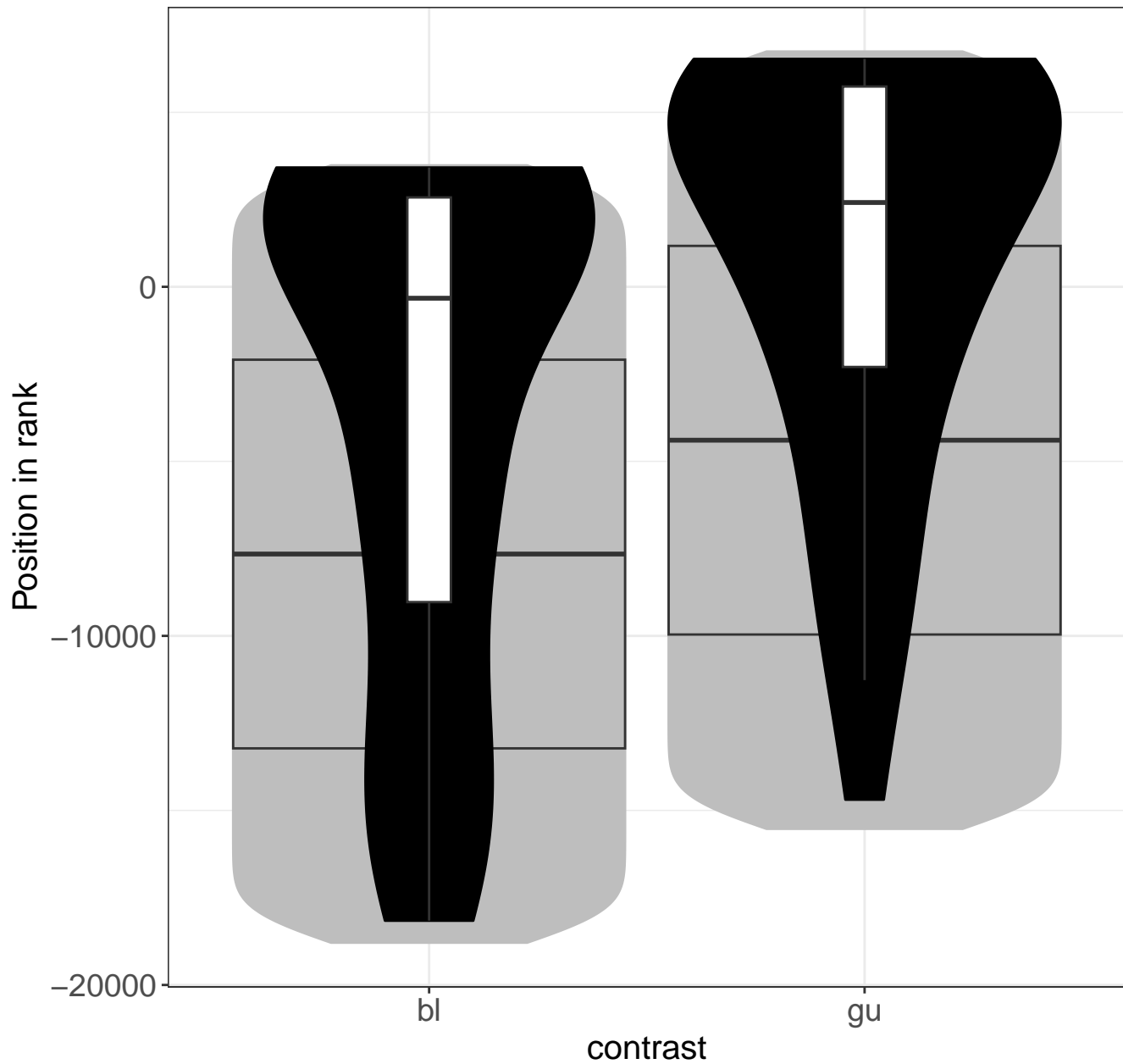
# PRC2 methylates histones and DNA



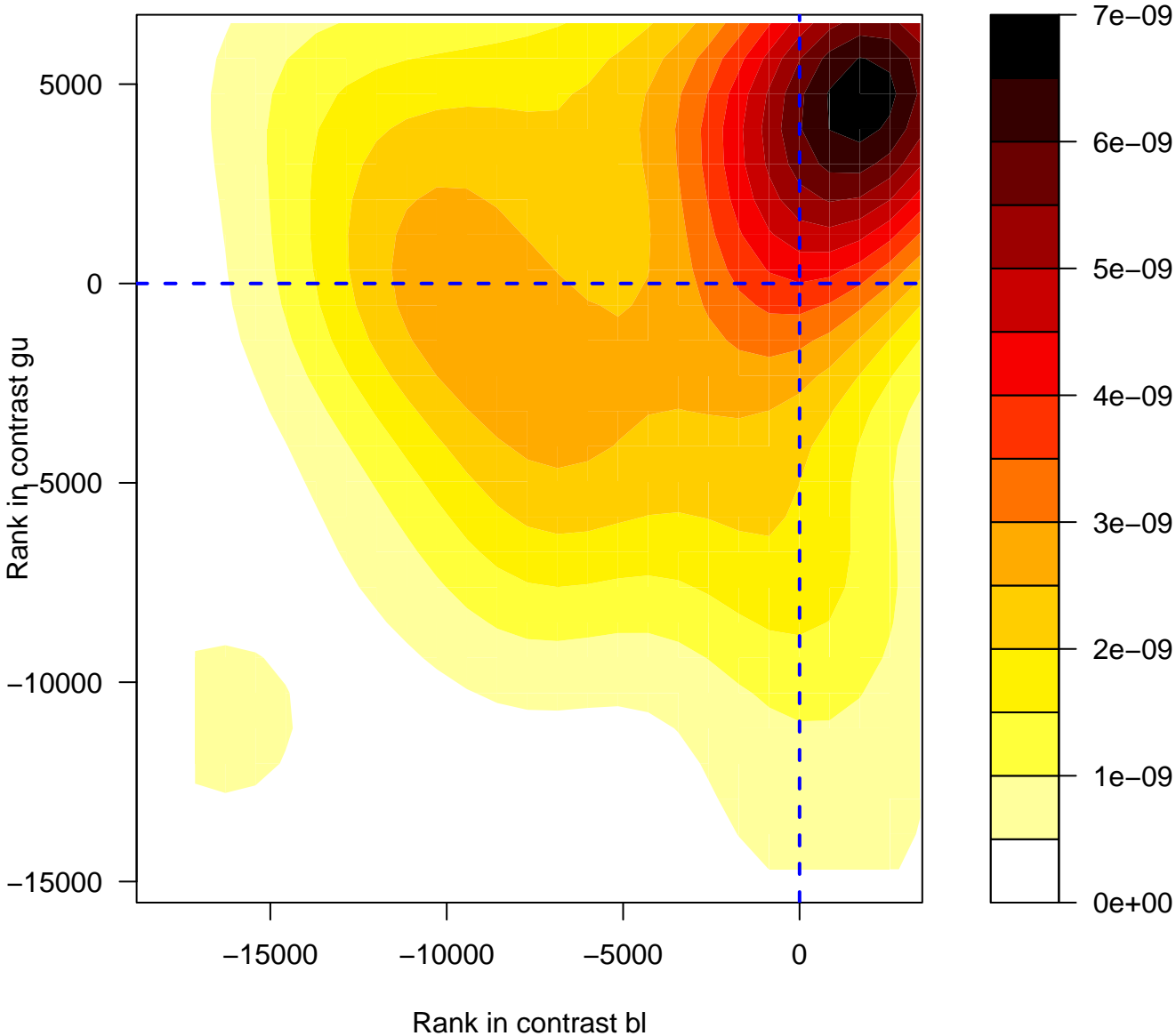
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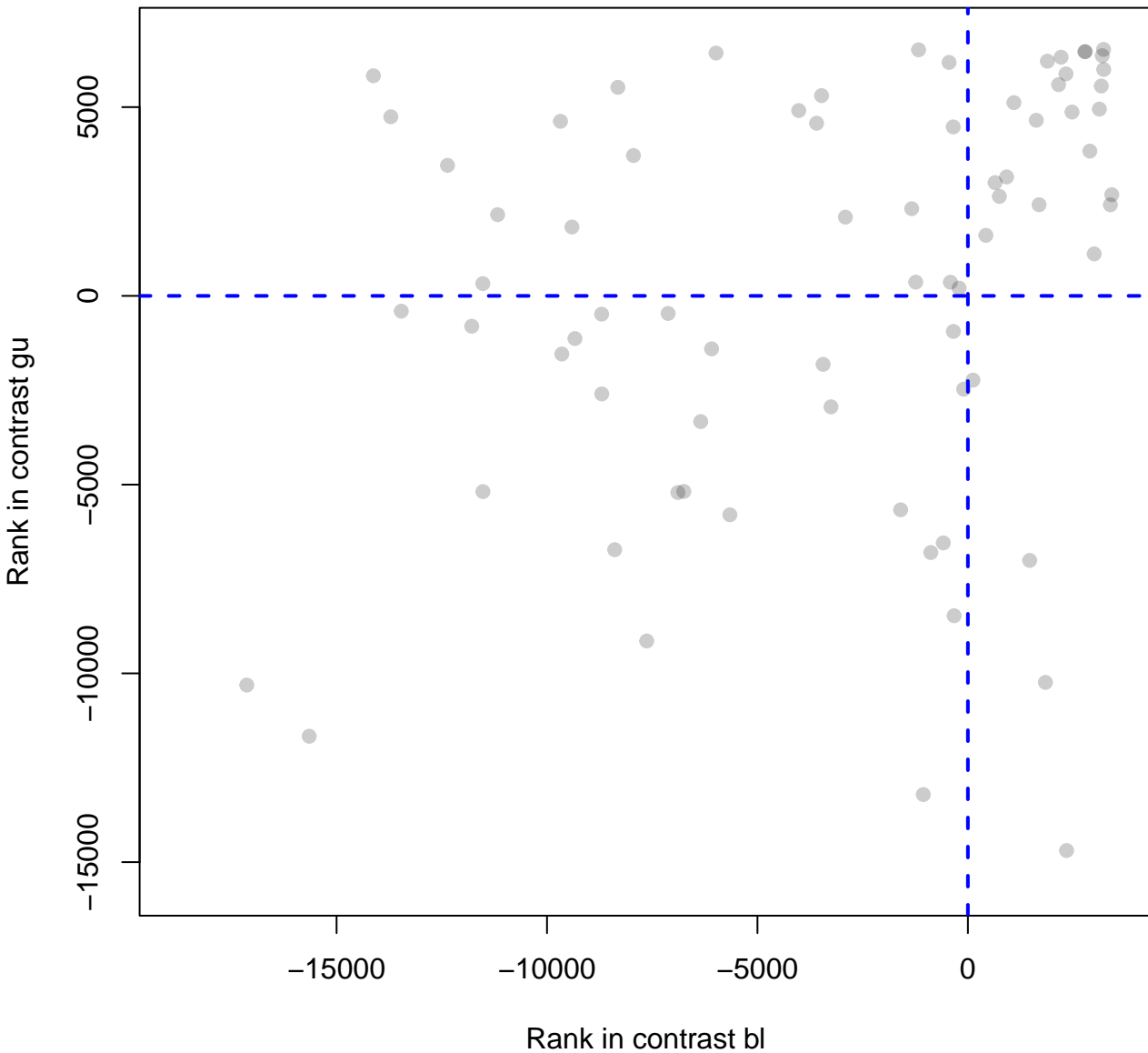
# PRC2 methylates histones and DNA



# Senescence-Associated Secretory Phenotype (SASP)

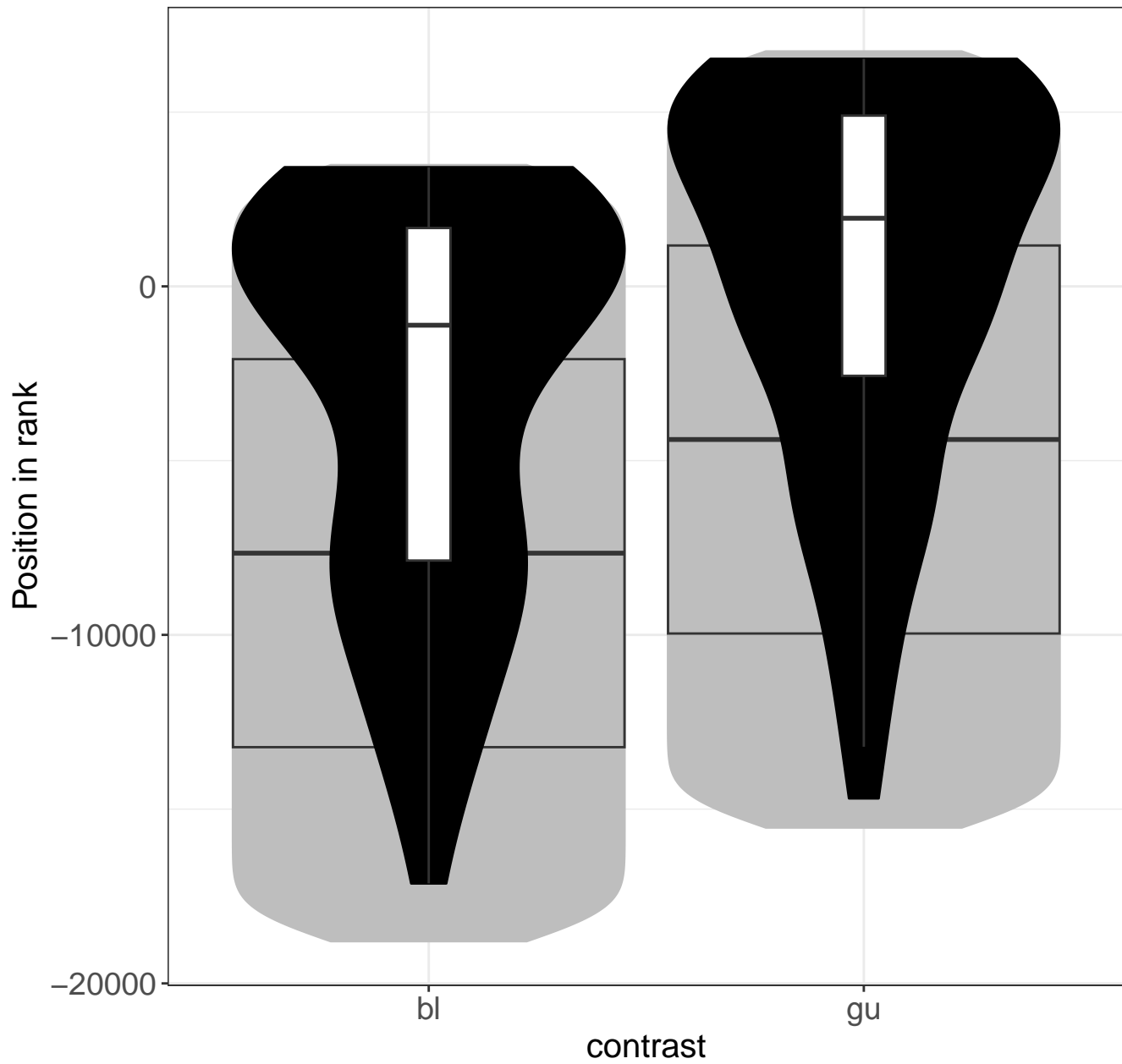


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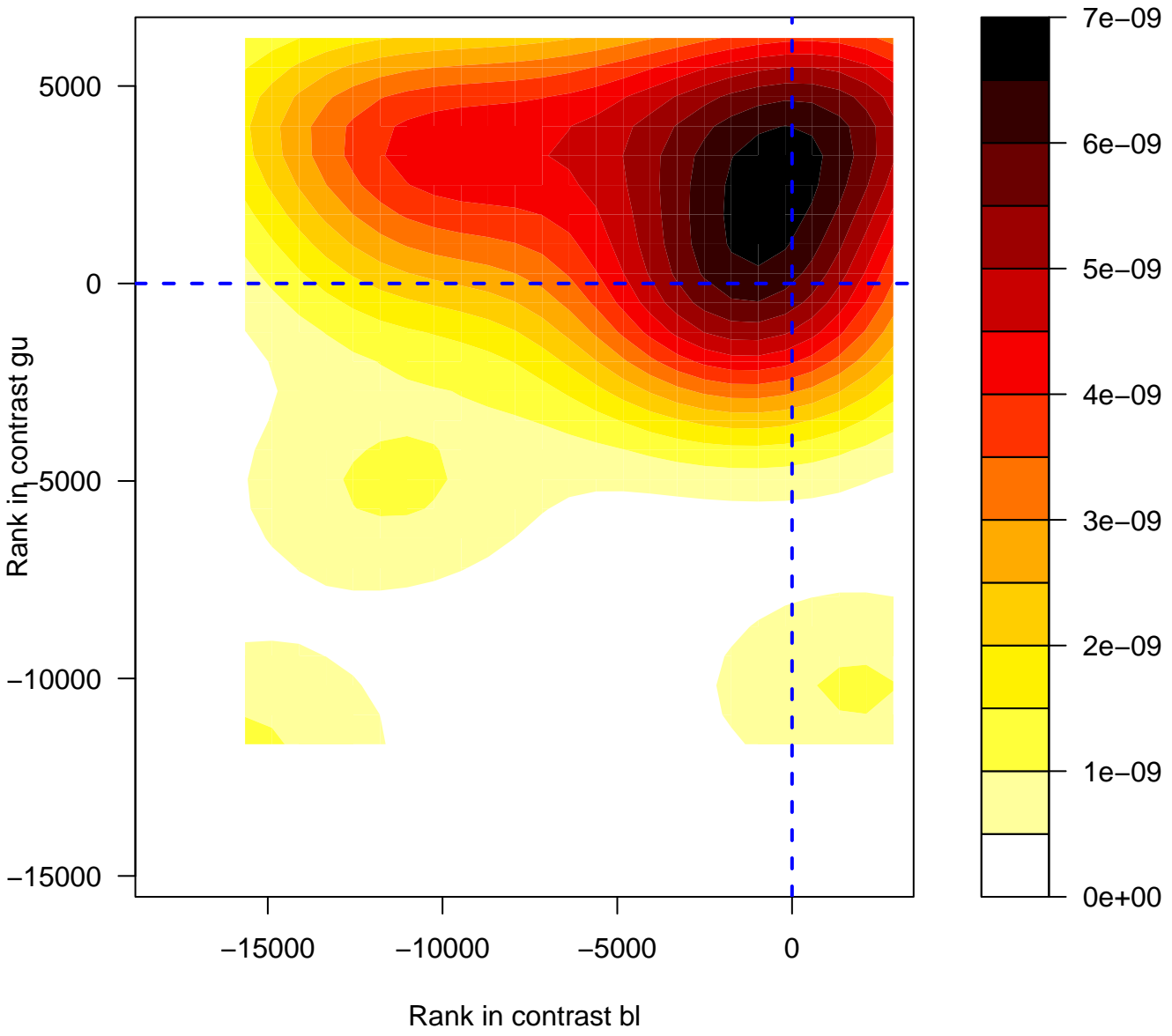




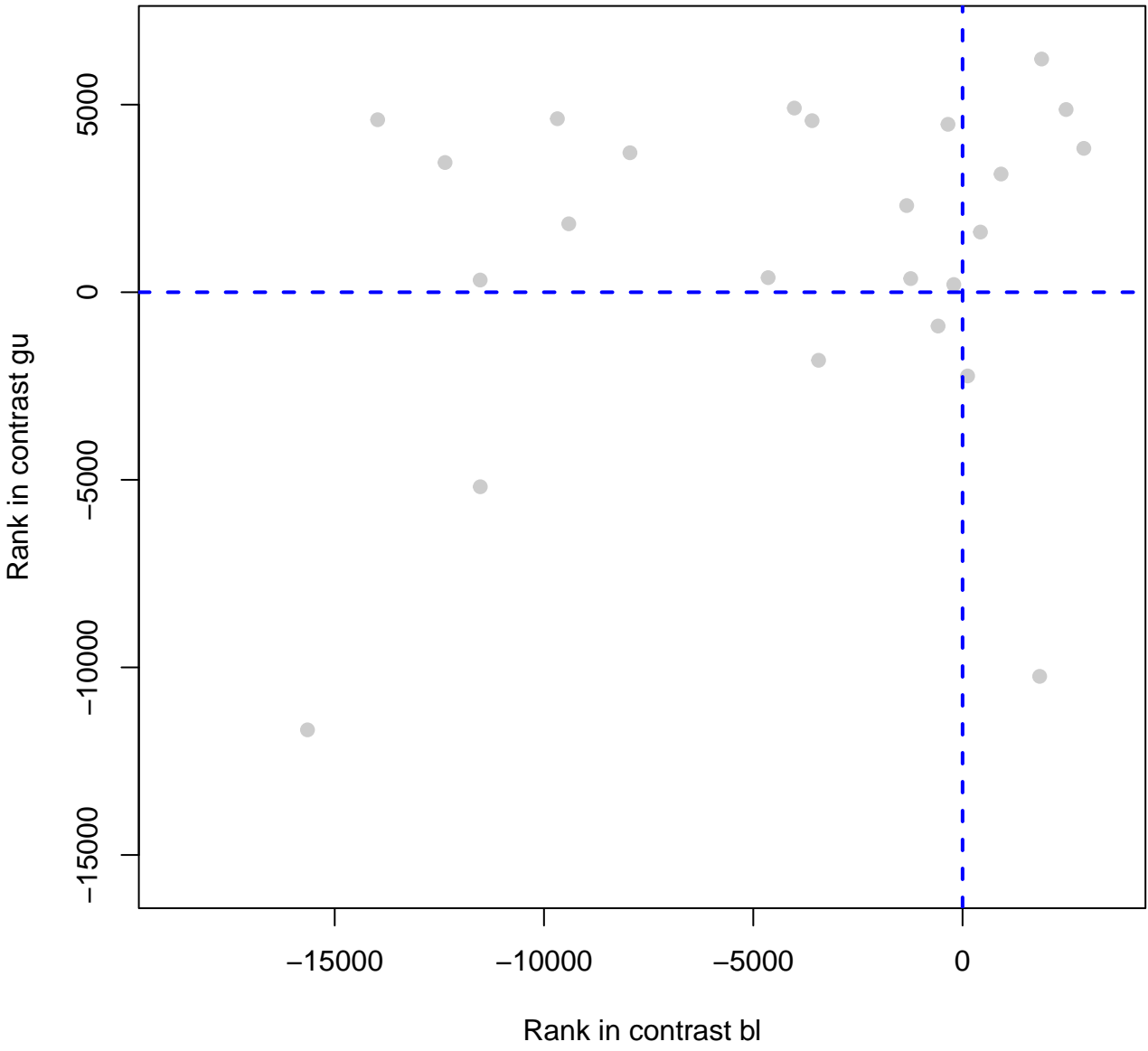
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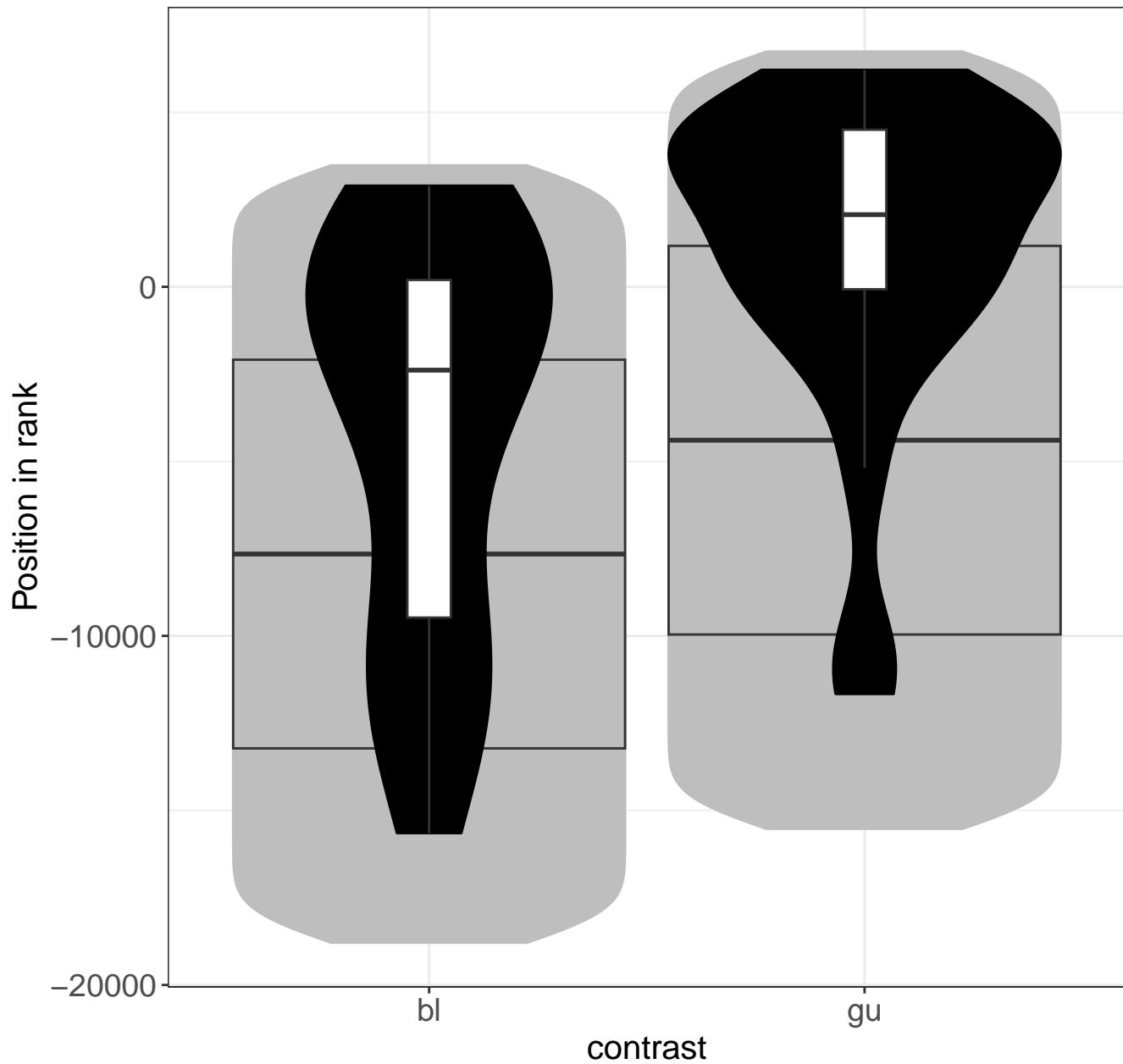
# APC/C:Cdc20 mediated degradation of Cyclin B



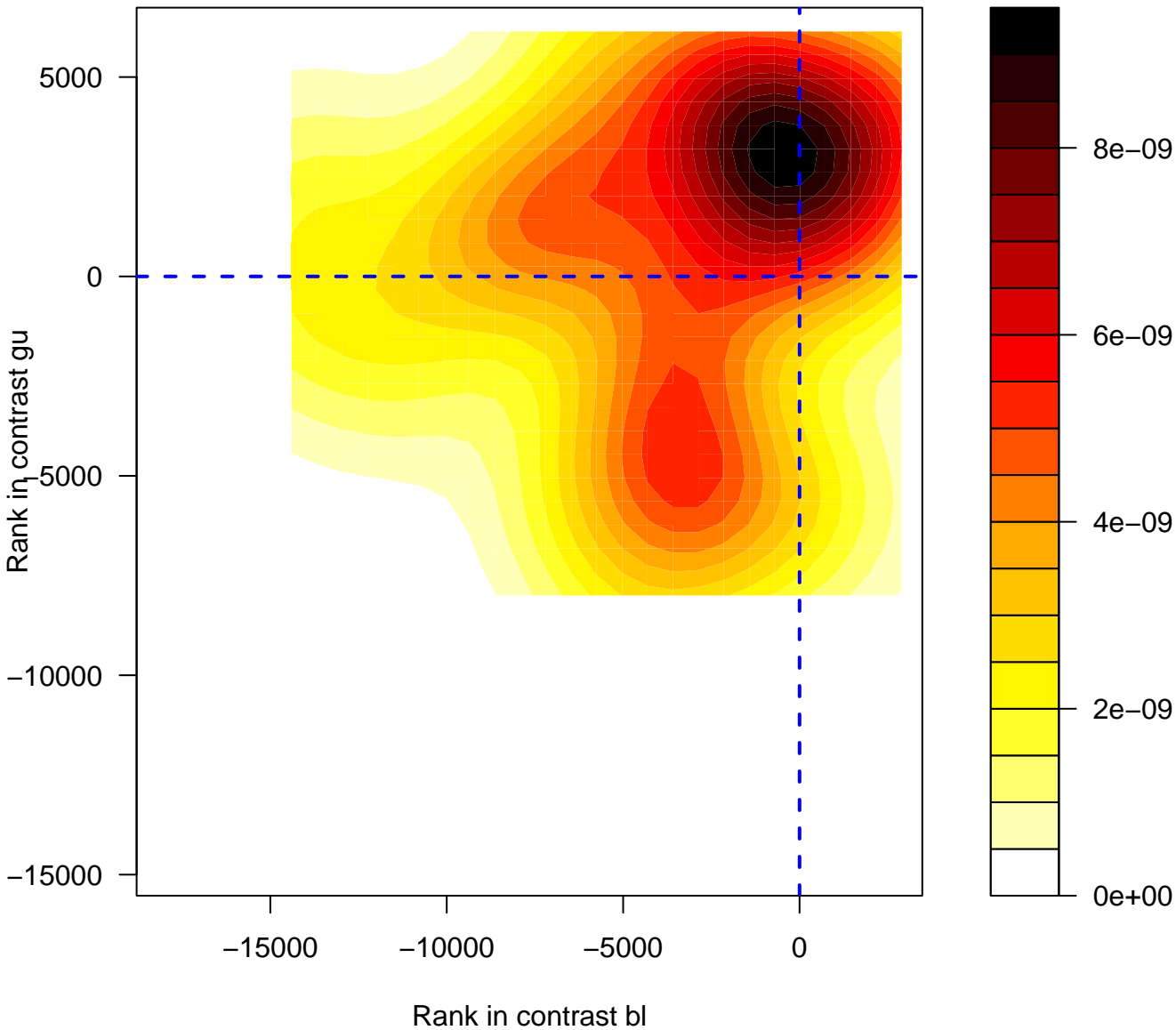
# APC/C:Cdc20 mediated degradation of Cyclin B



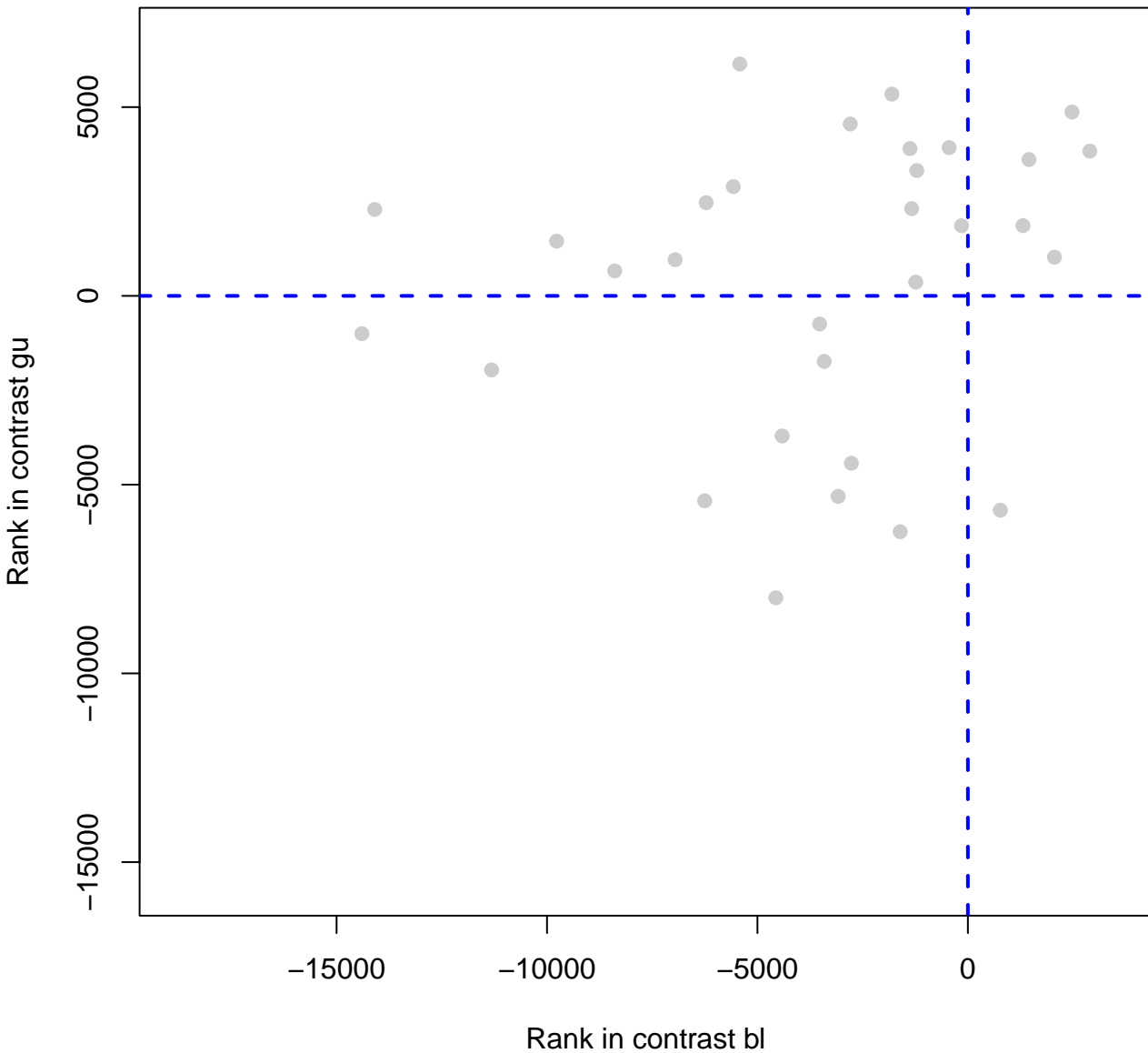
# APC/C:Cdc20 mediated degradation of Cyclin B



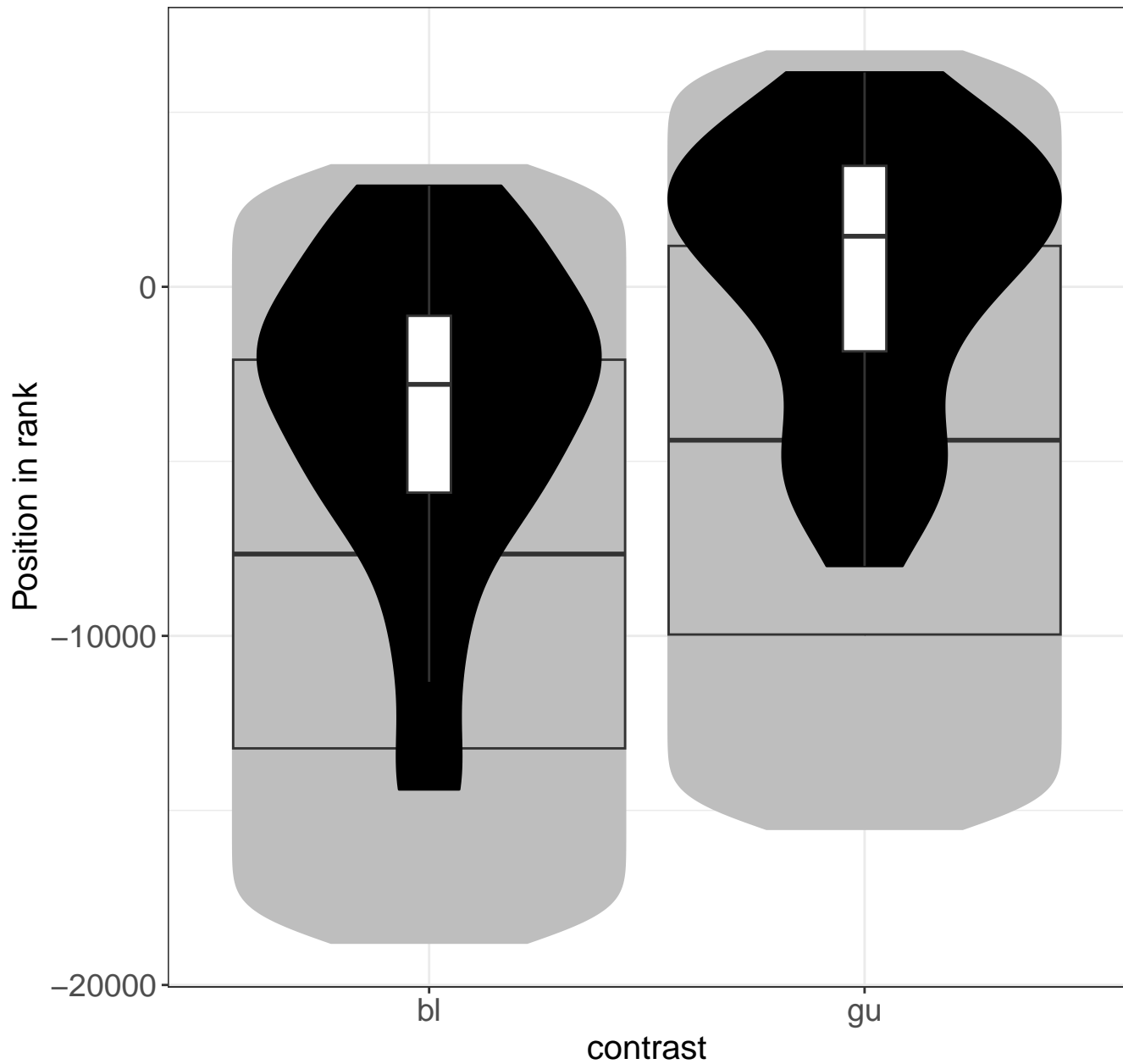
# PINK1-PRKN Mediated Mitophagy



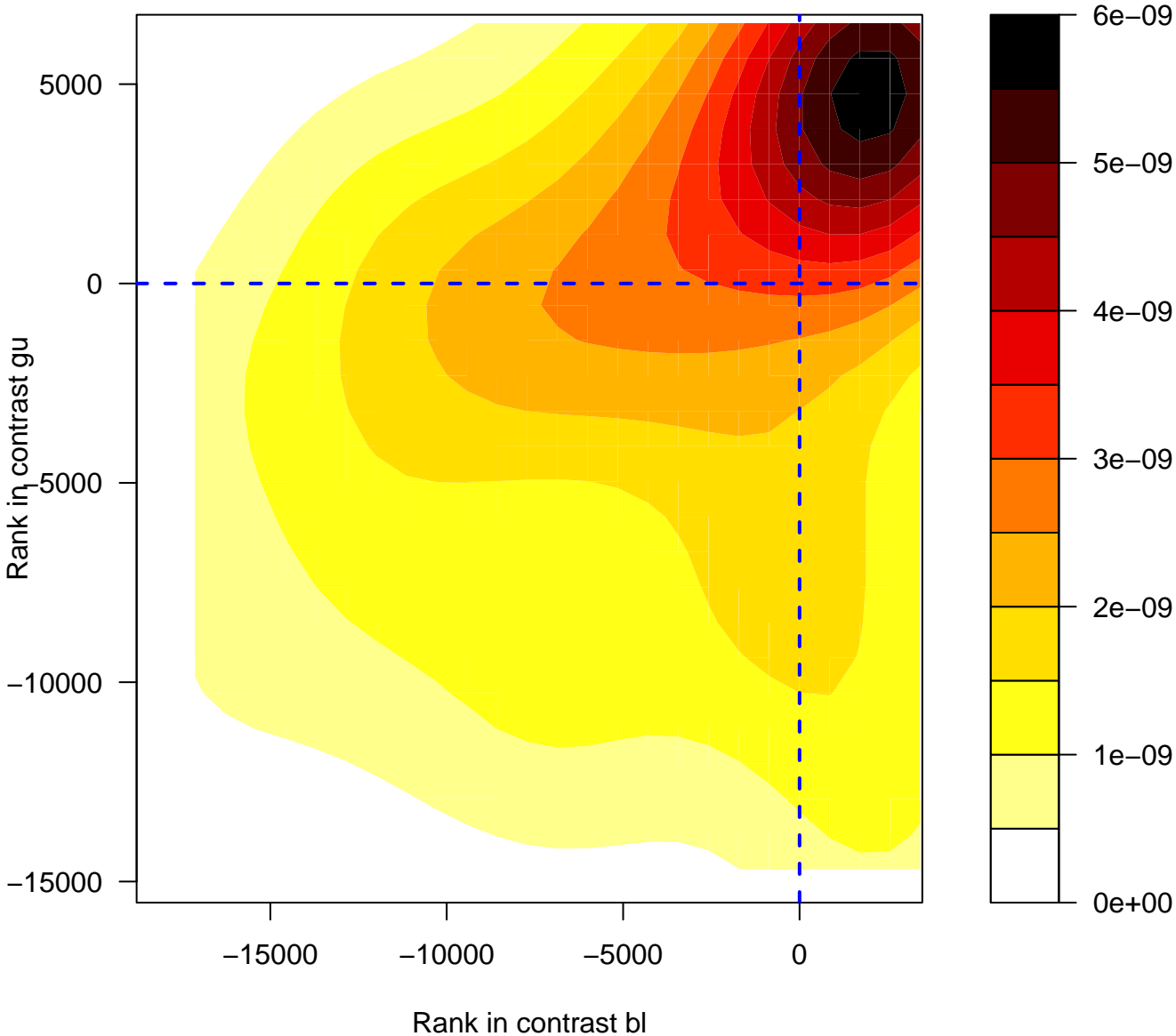
# PINK1-PRKN Mediated Mitophagy



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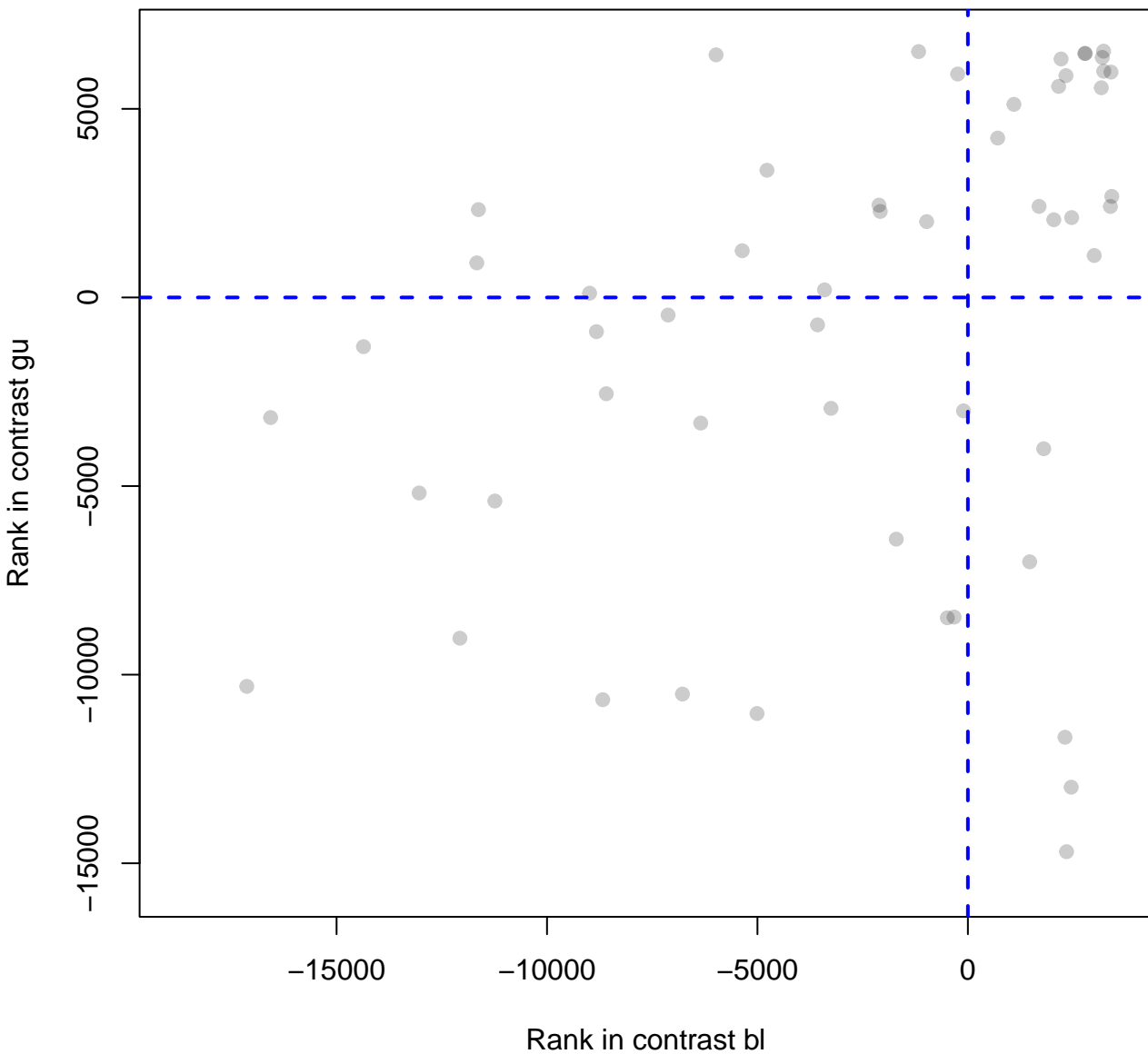


# B-WICH complex positively regulates rRNA expression

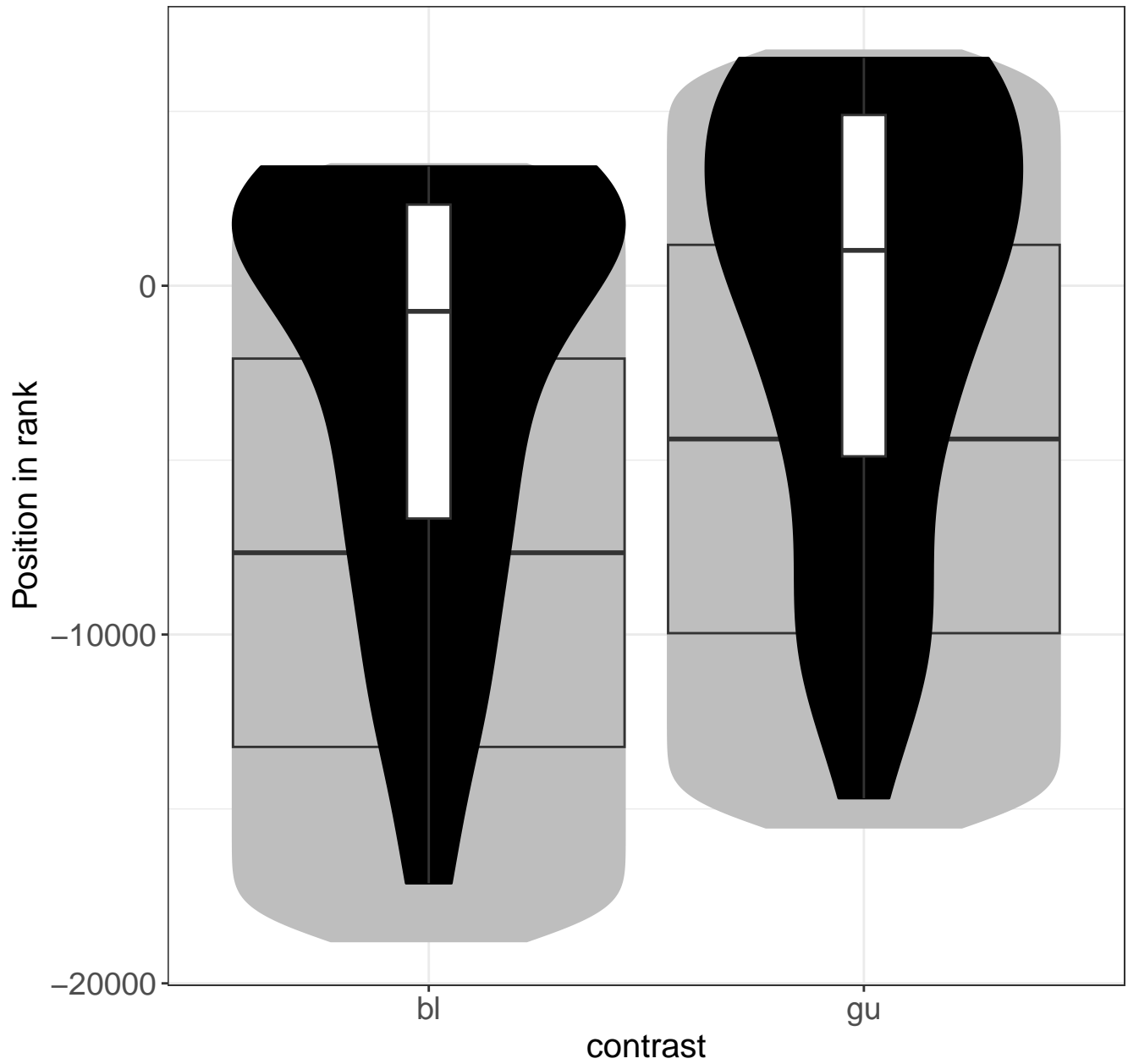




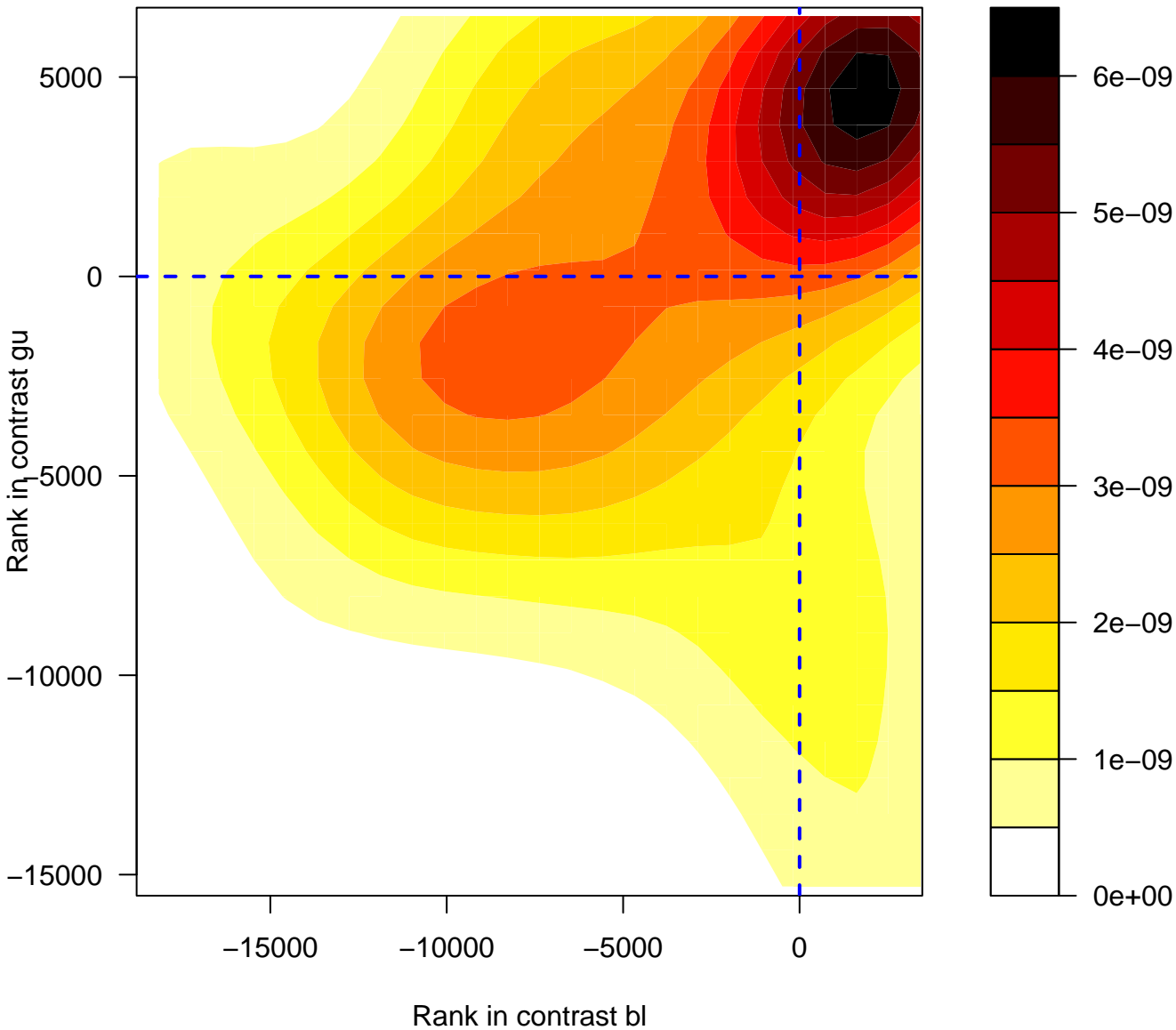
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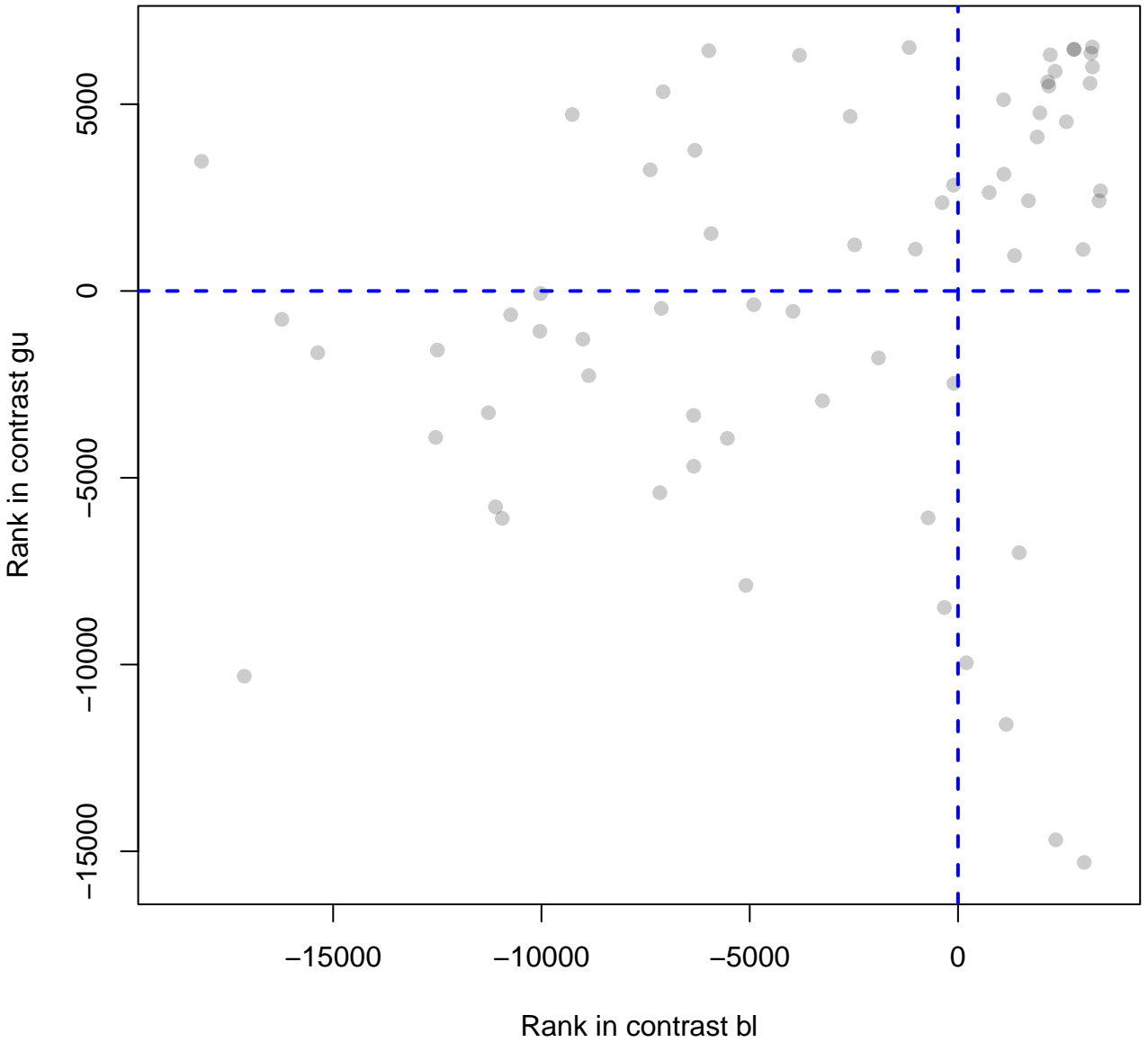
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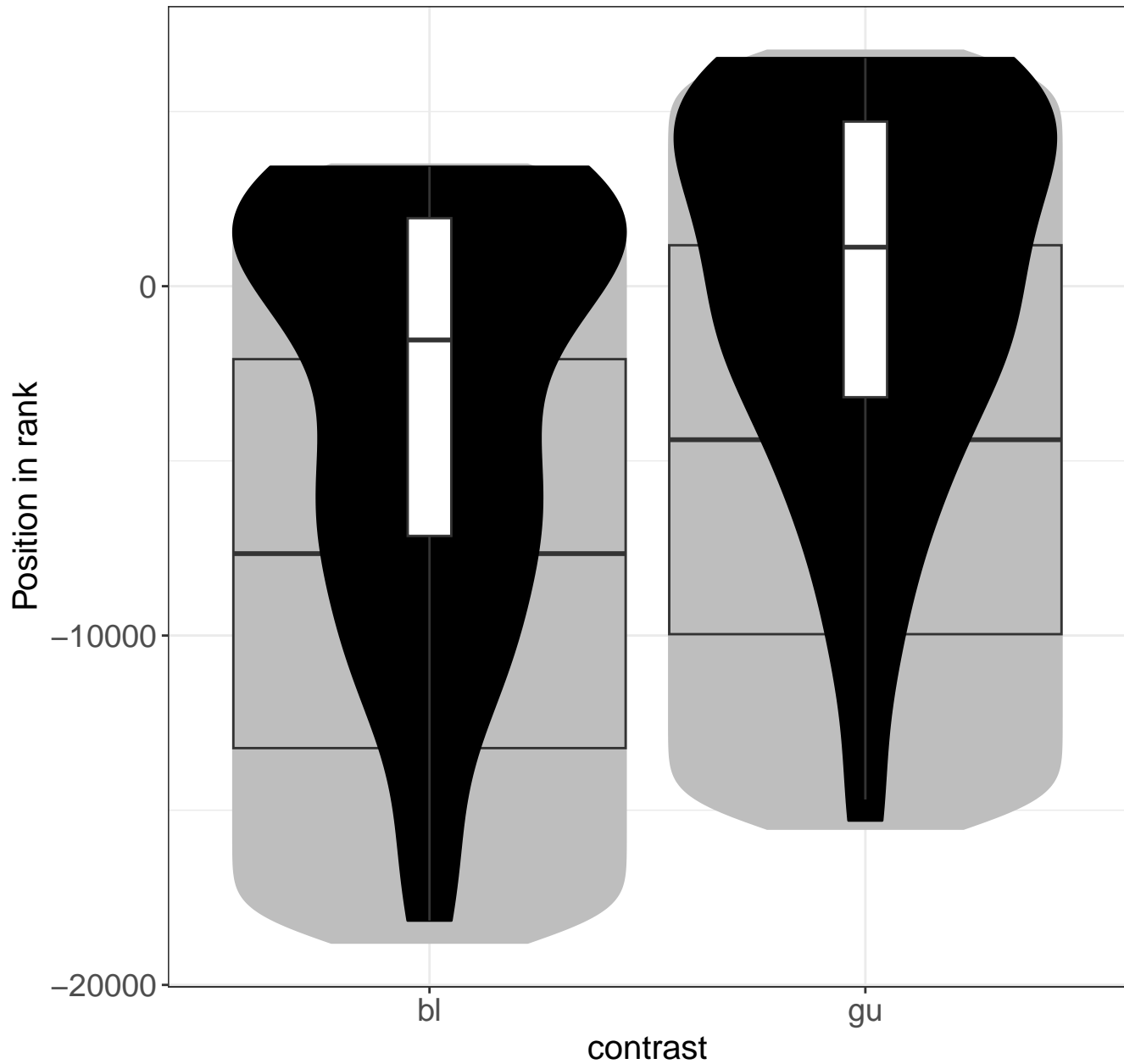
# Diseases of programmed cell death



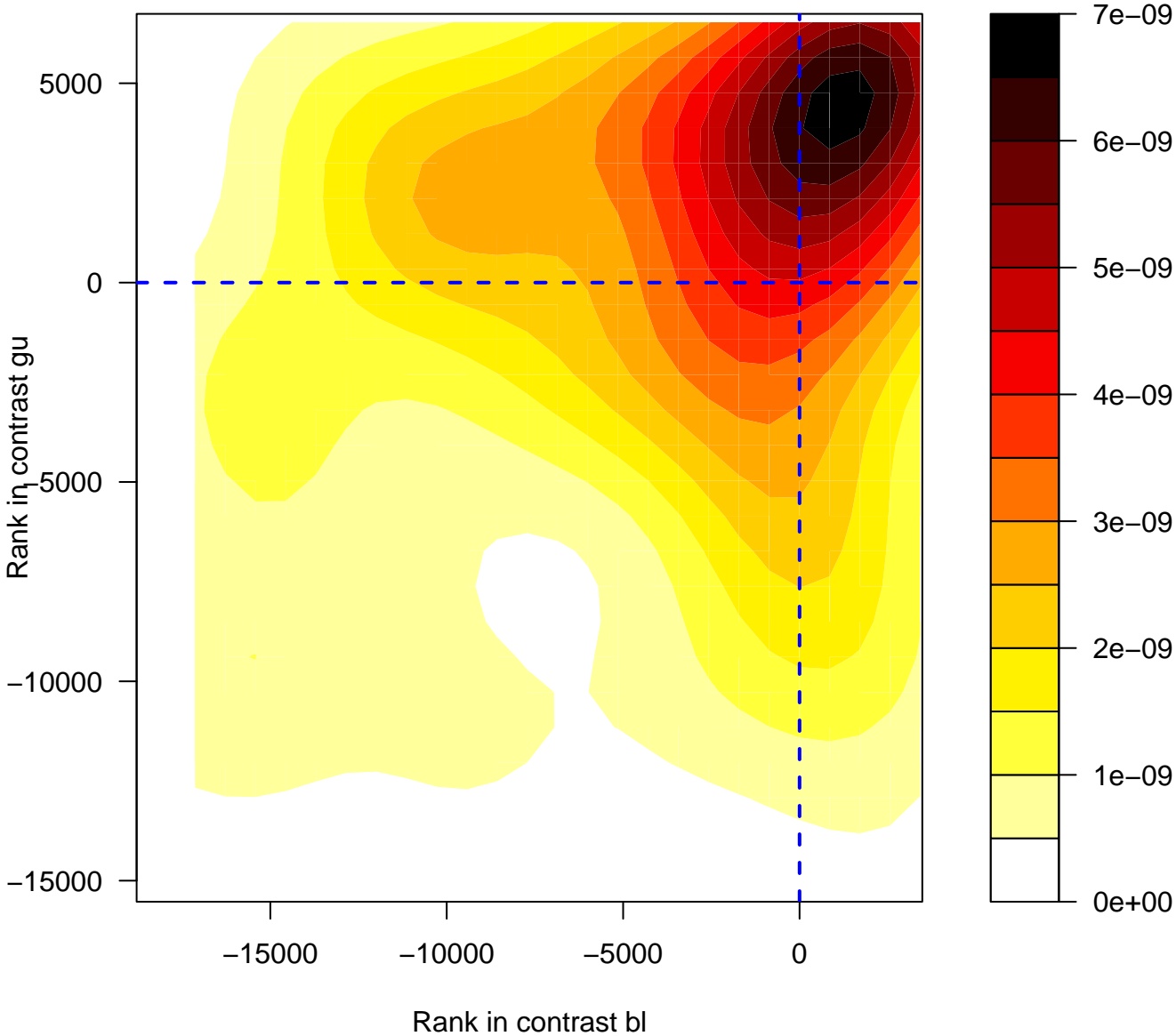
## Diseases of programmed cell death



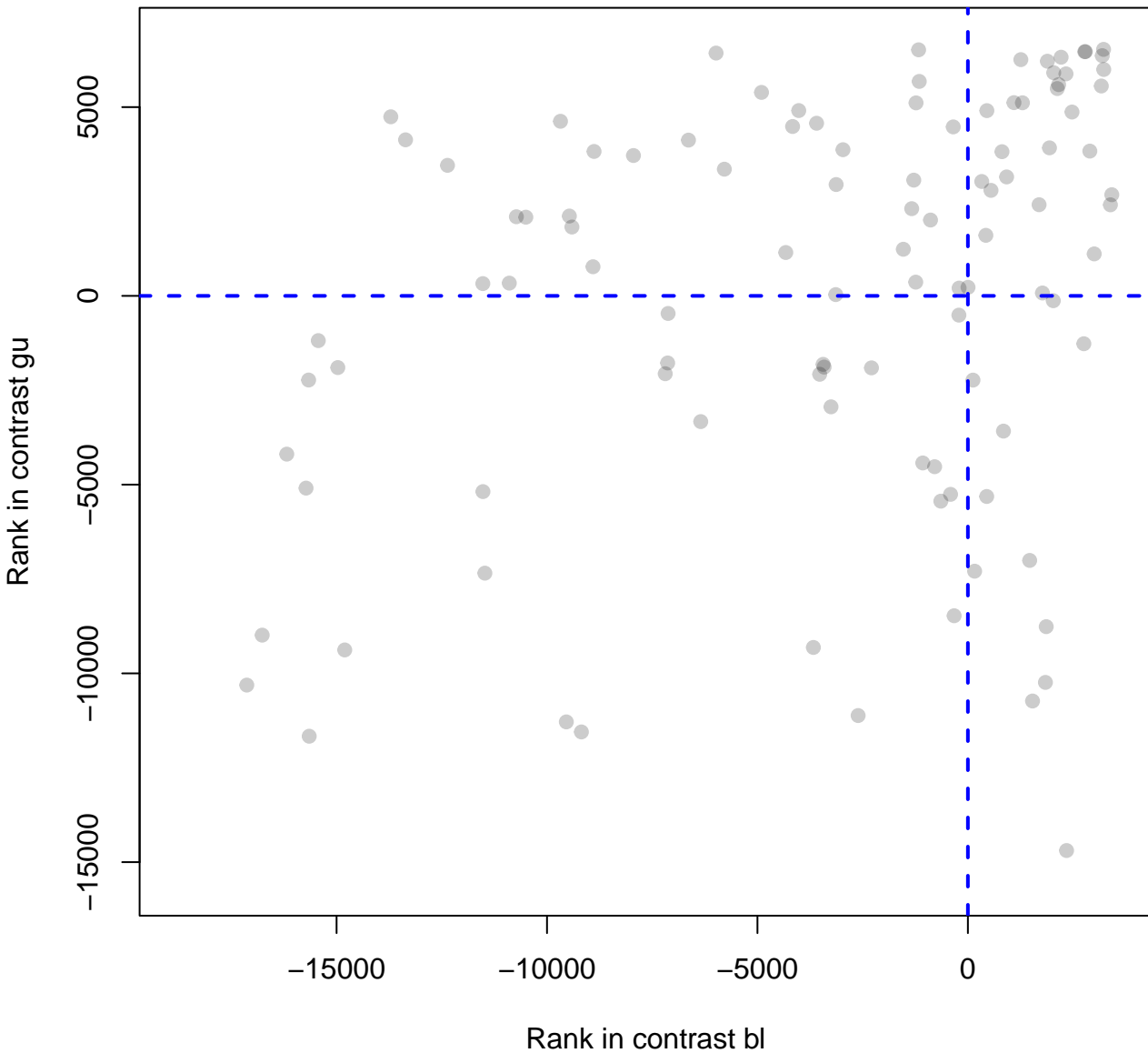
# Diseases of programmed cell death



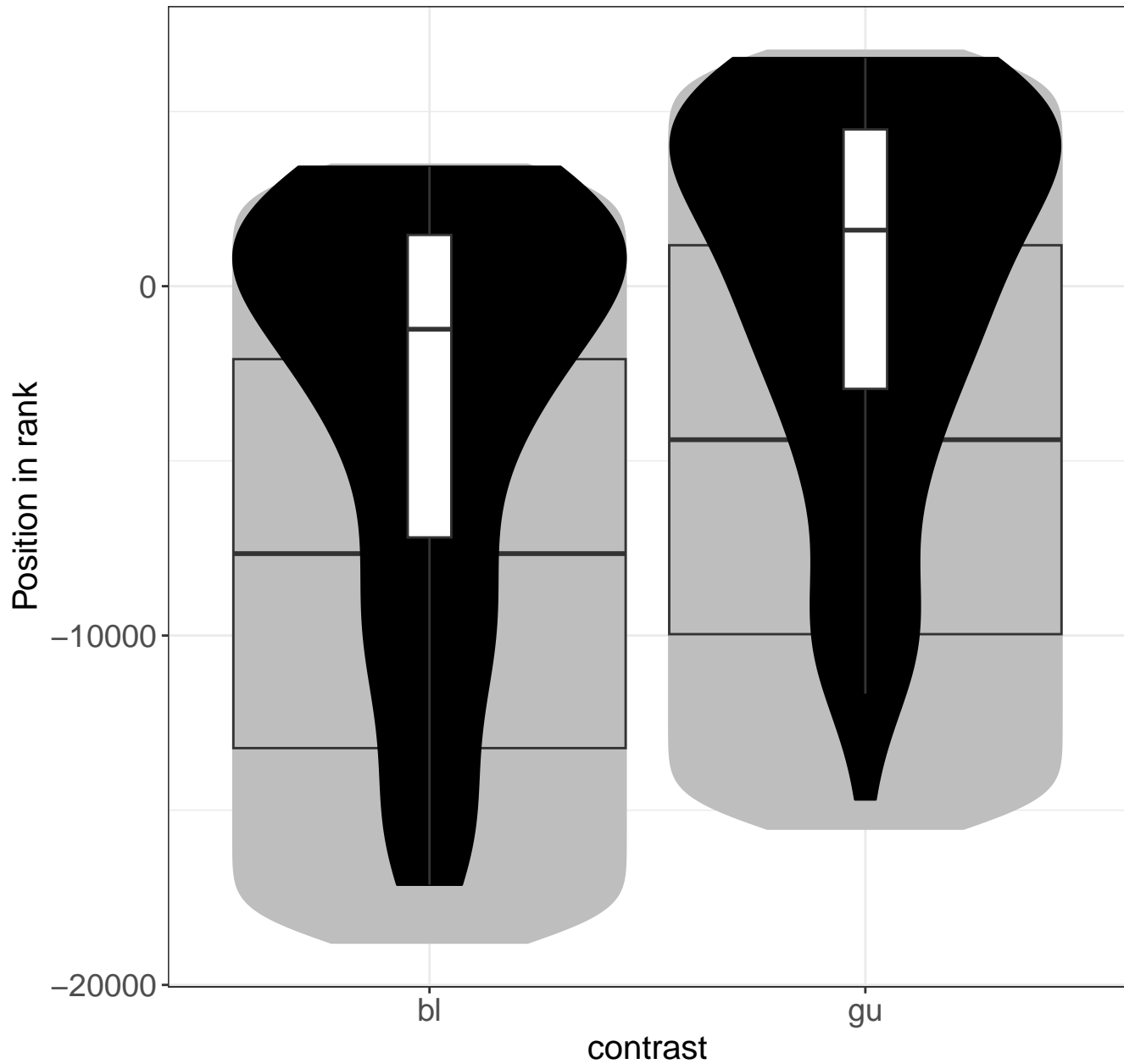
# Assembly of the pre-replicative complex



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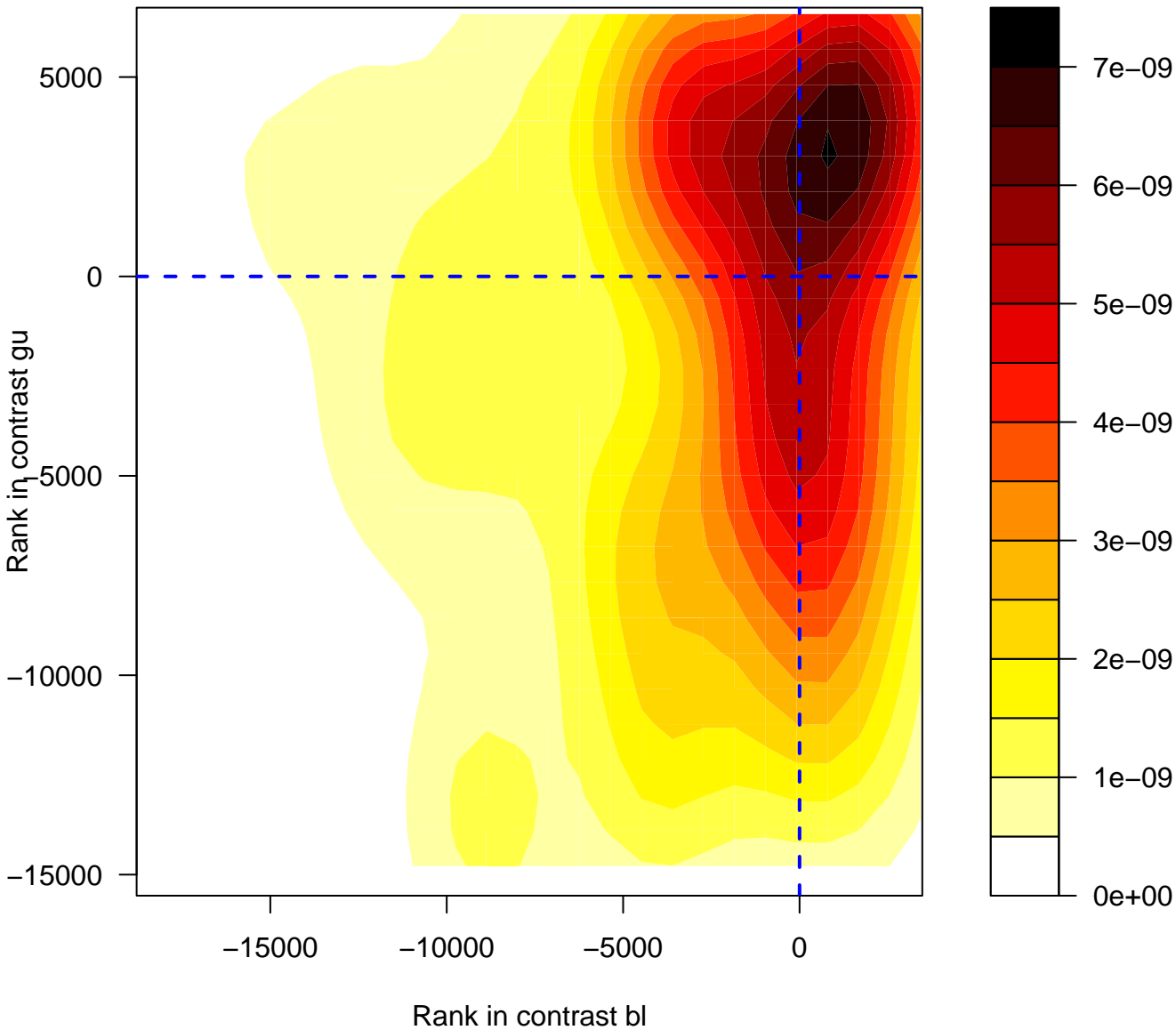


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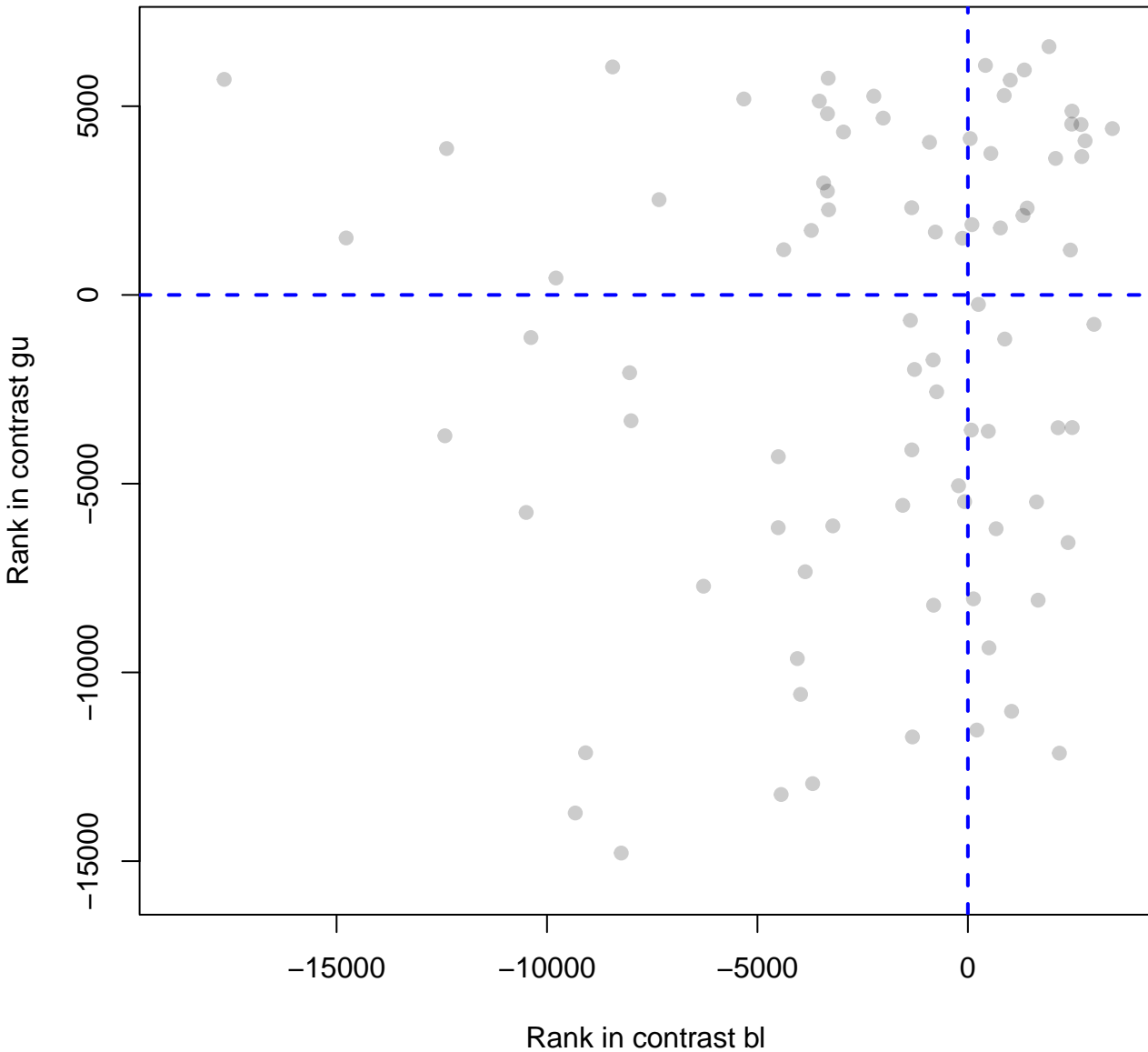




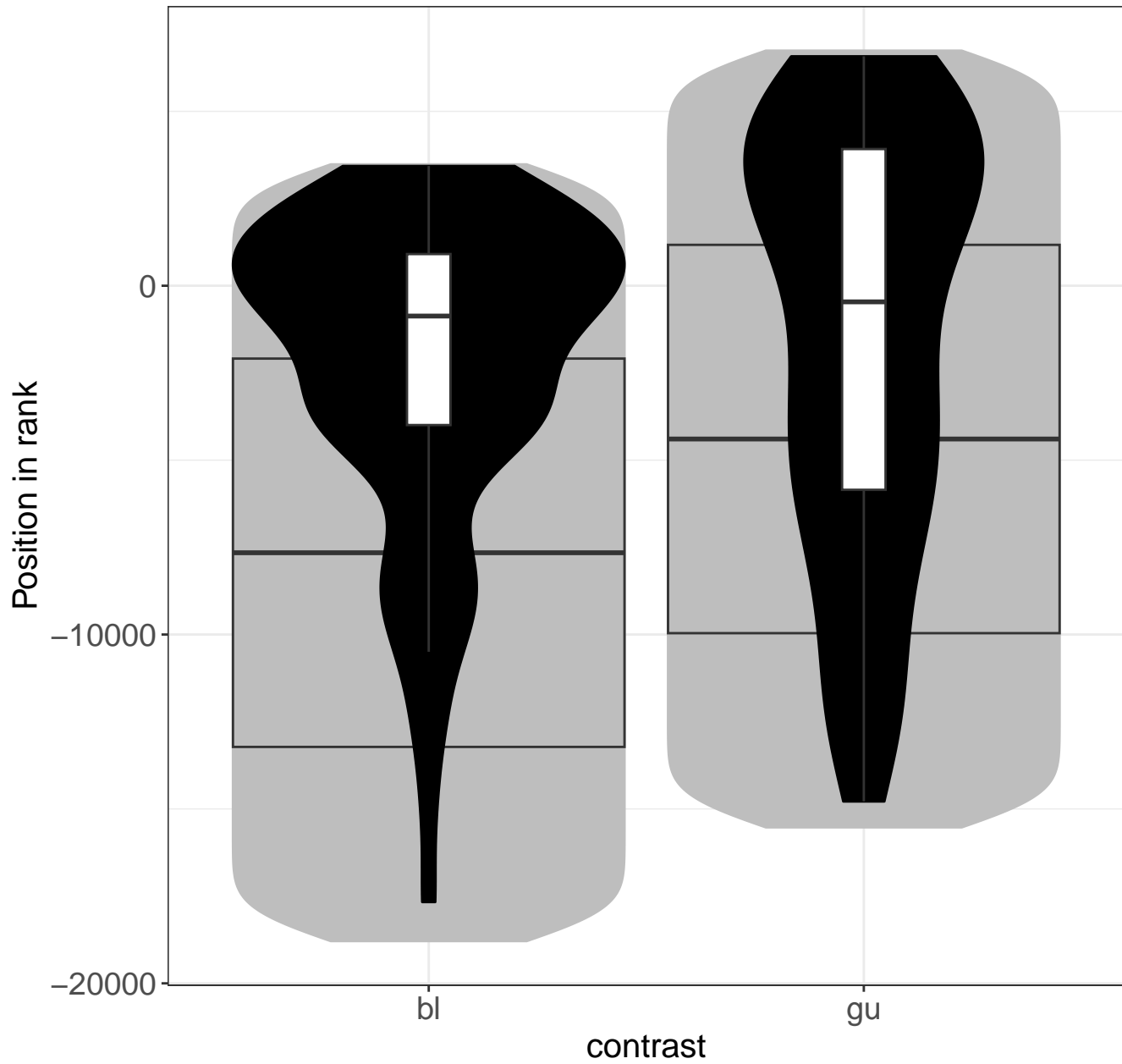
# Peptide chain elongation



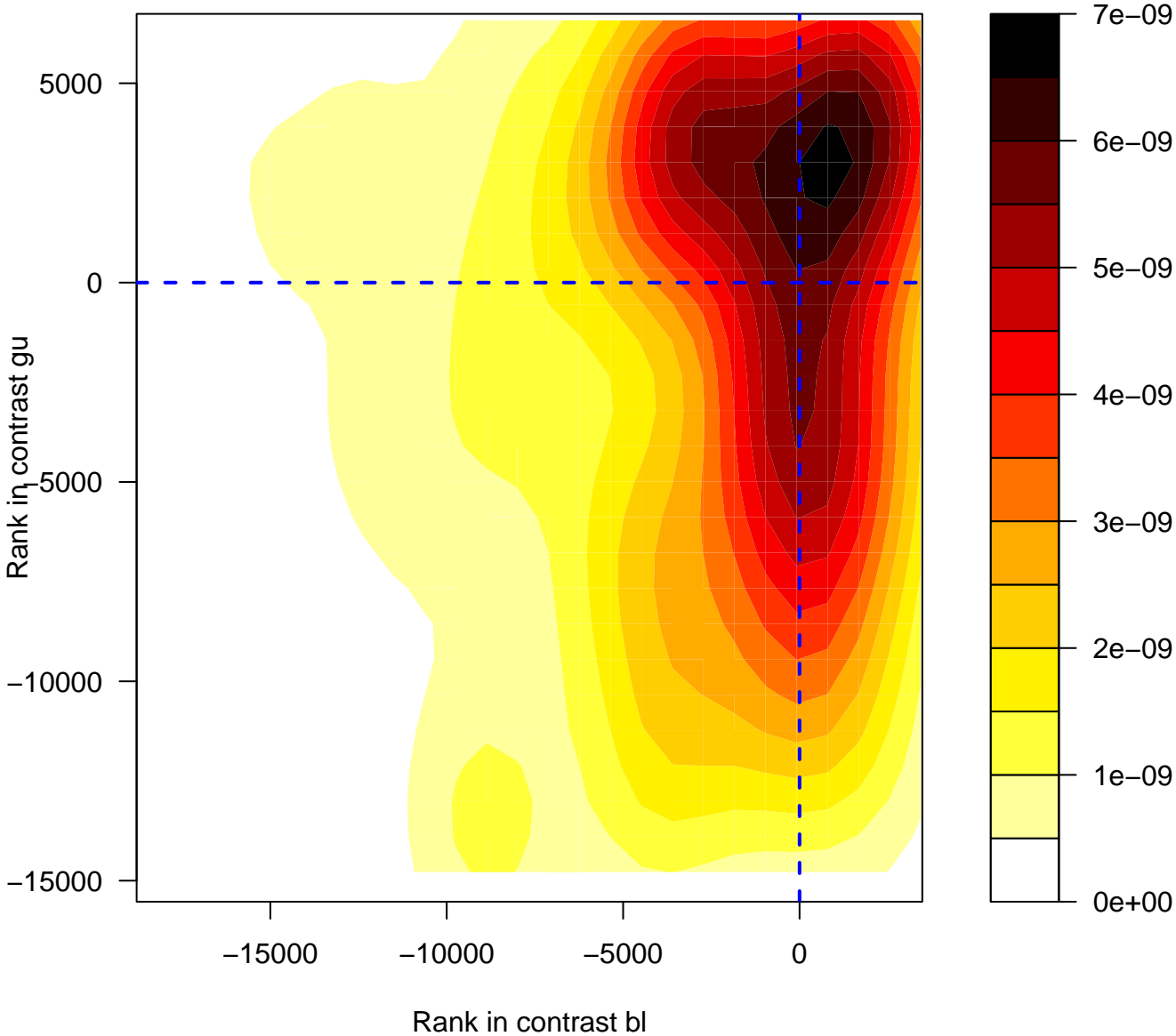
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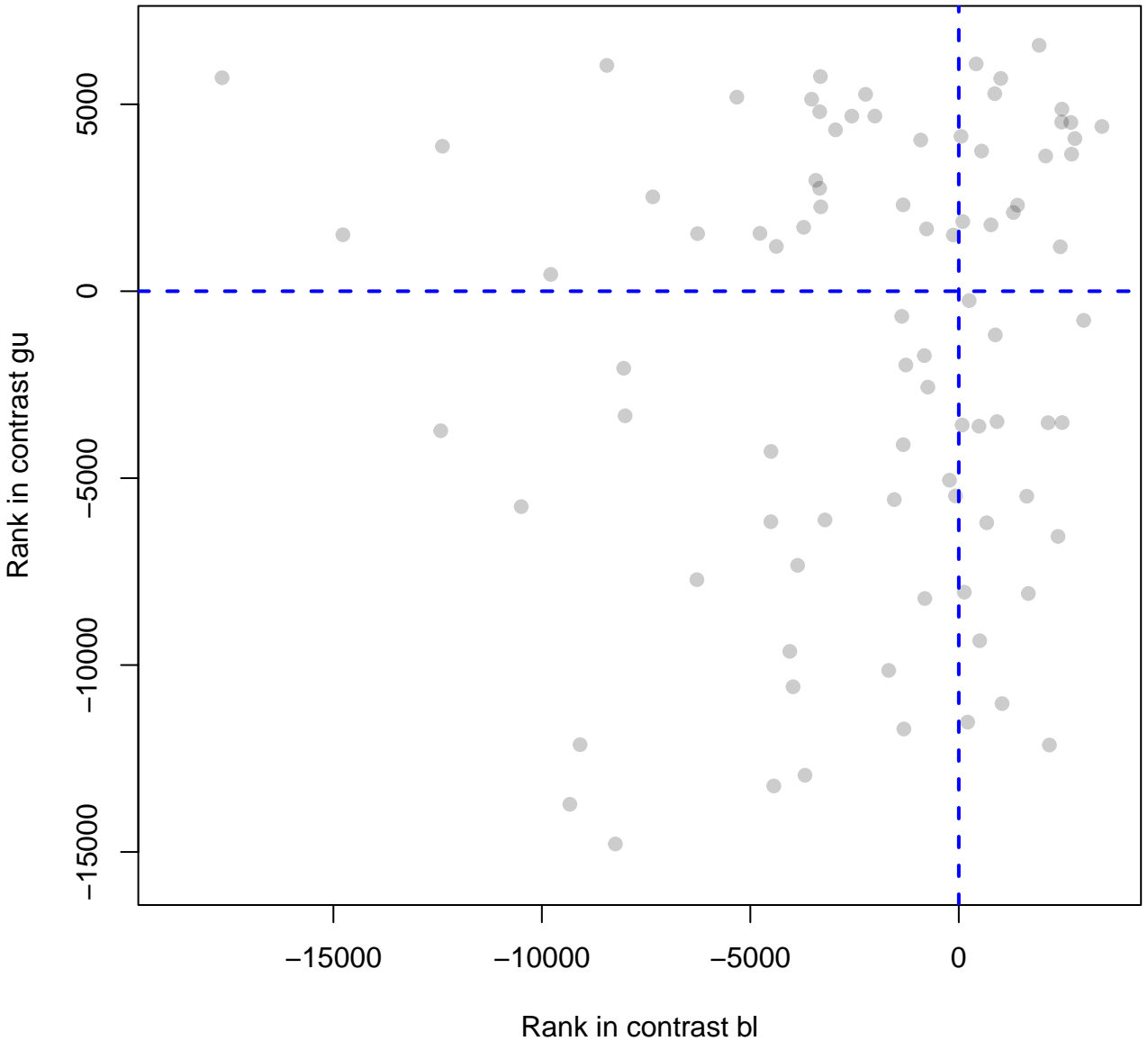
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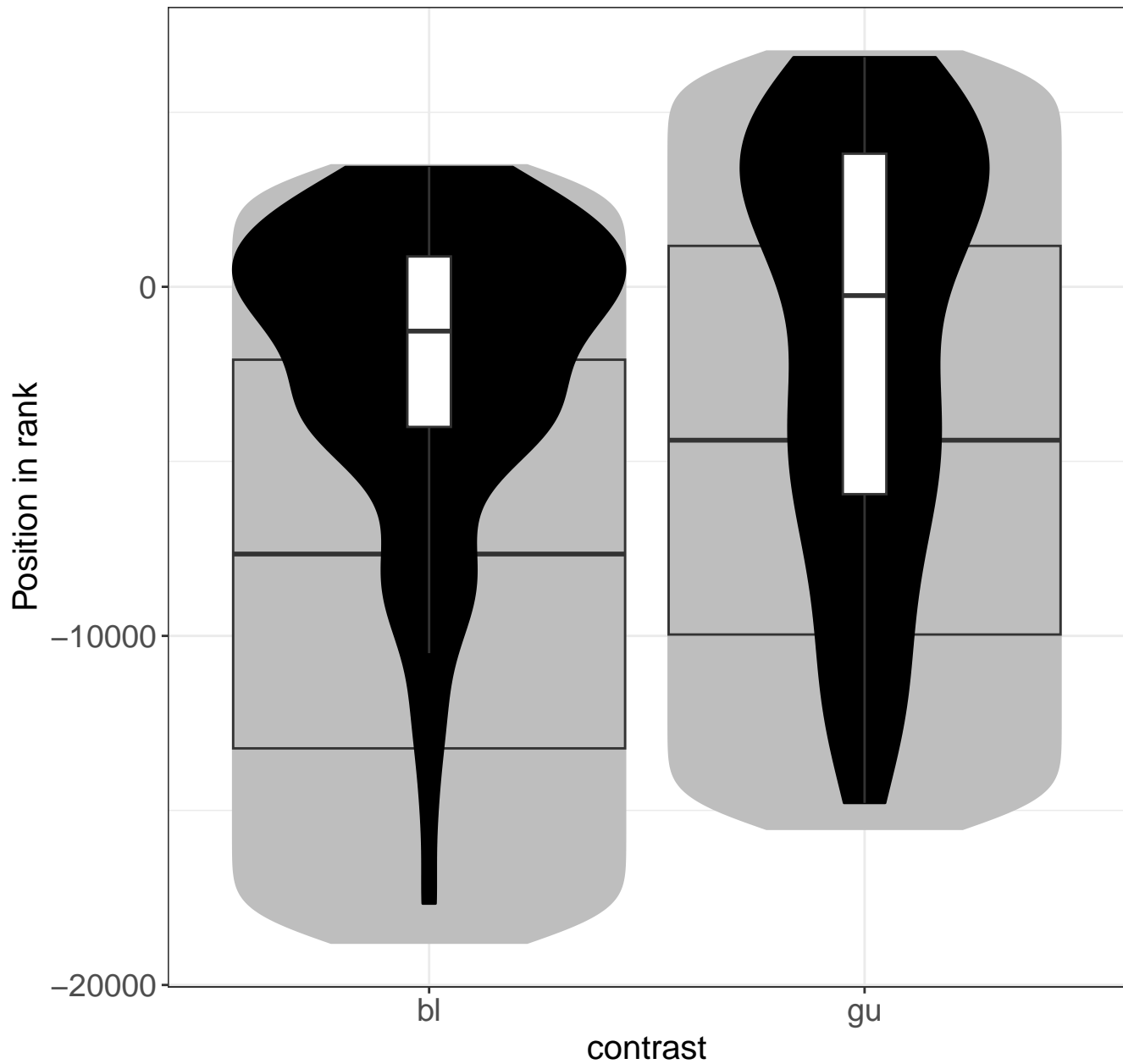
# Eukaryotic Translation Termination



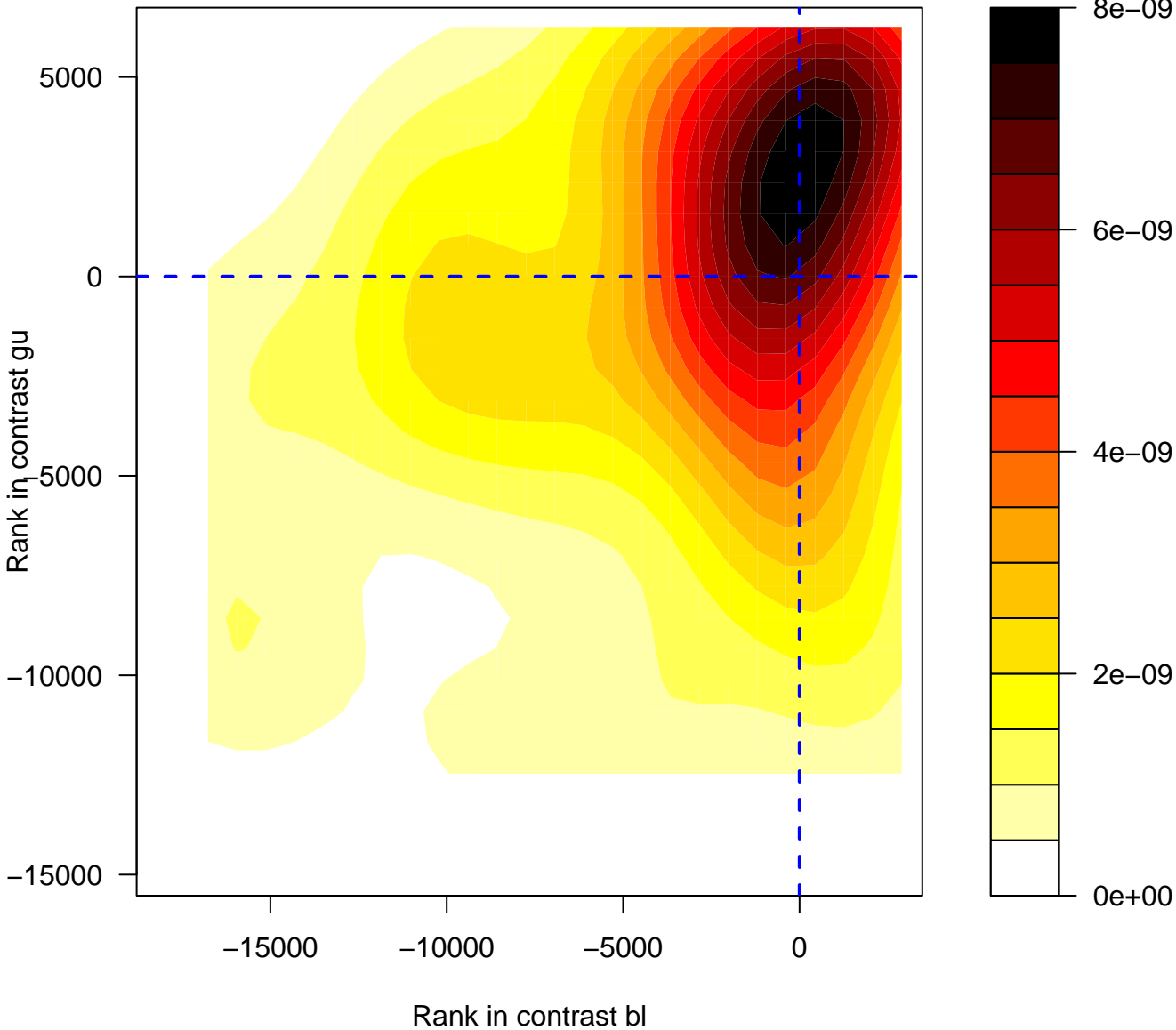
# Eukaryotic Translation Termination



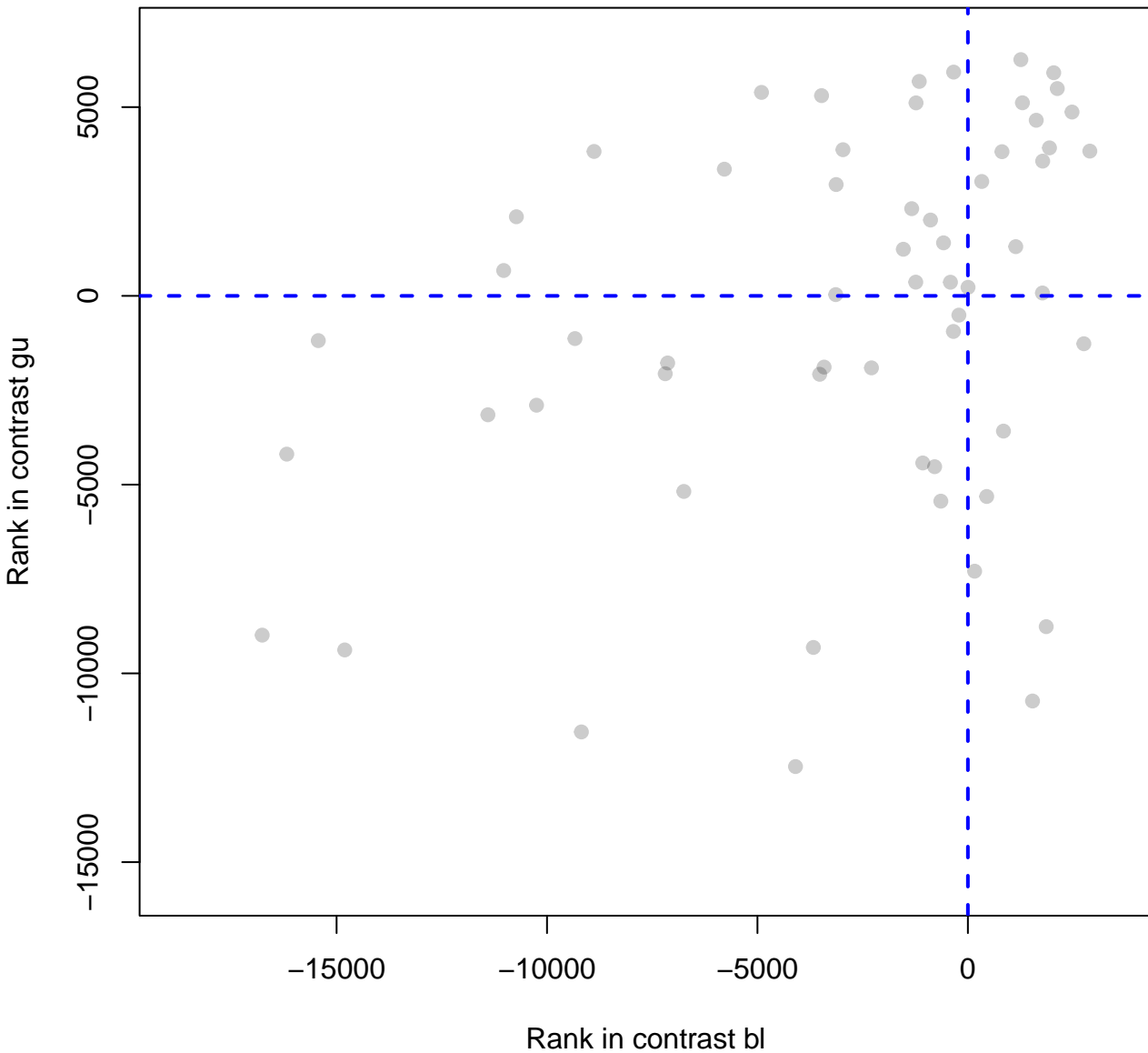
# Eukaryotic Translation Termination



# SCF(Skp2)-mediated degradation of p27/p21

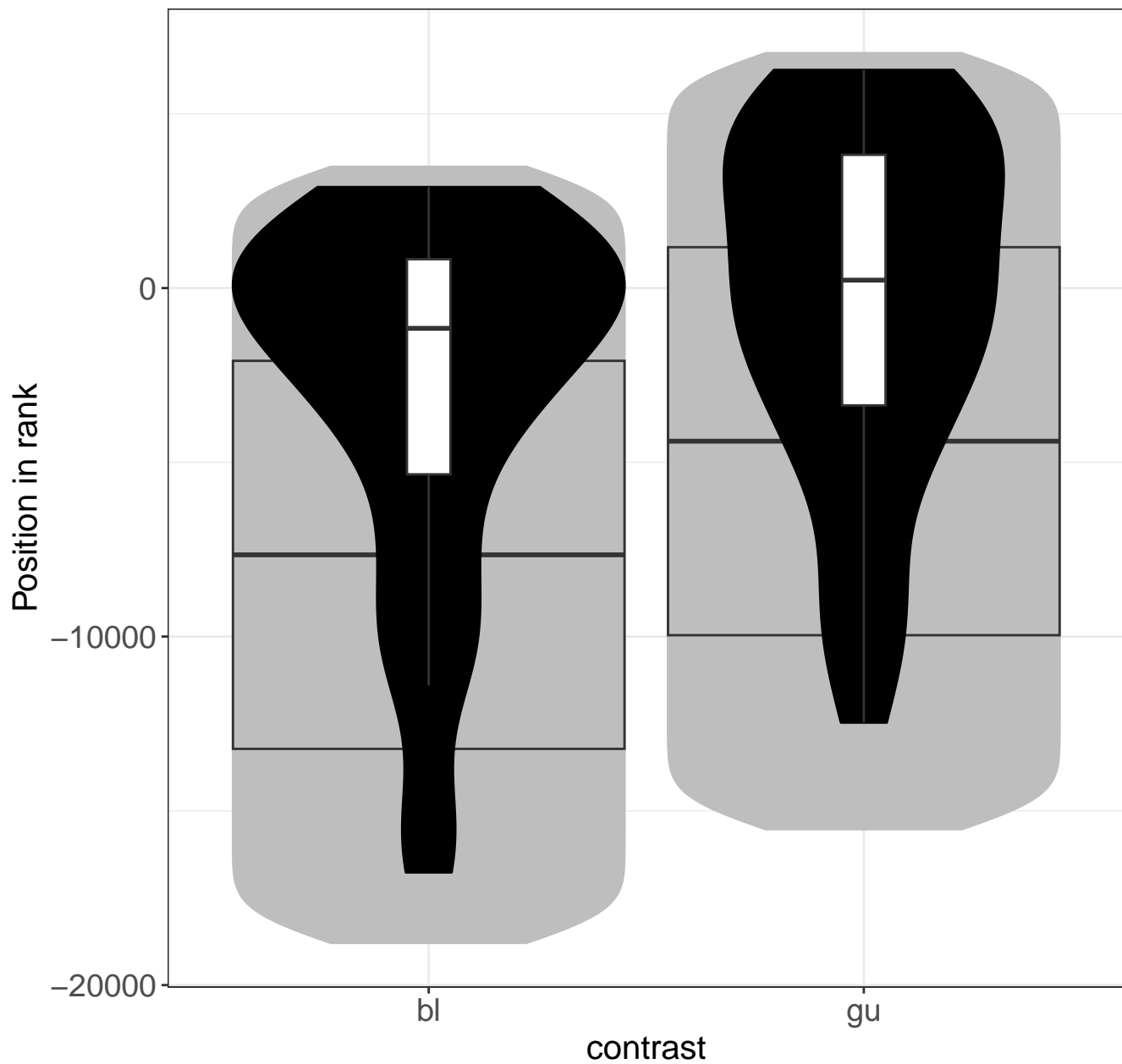


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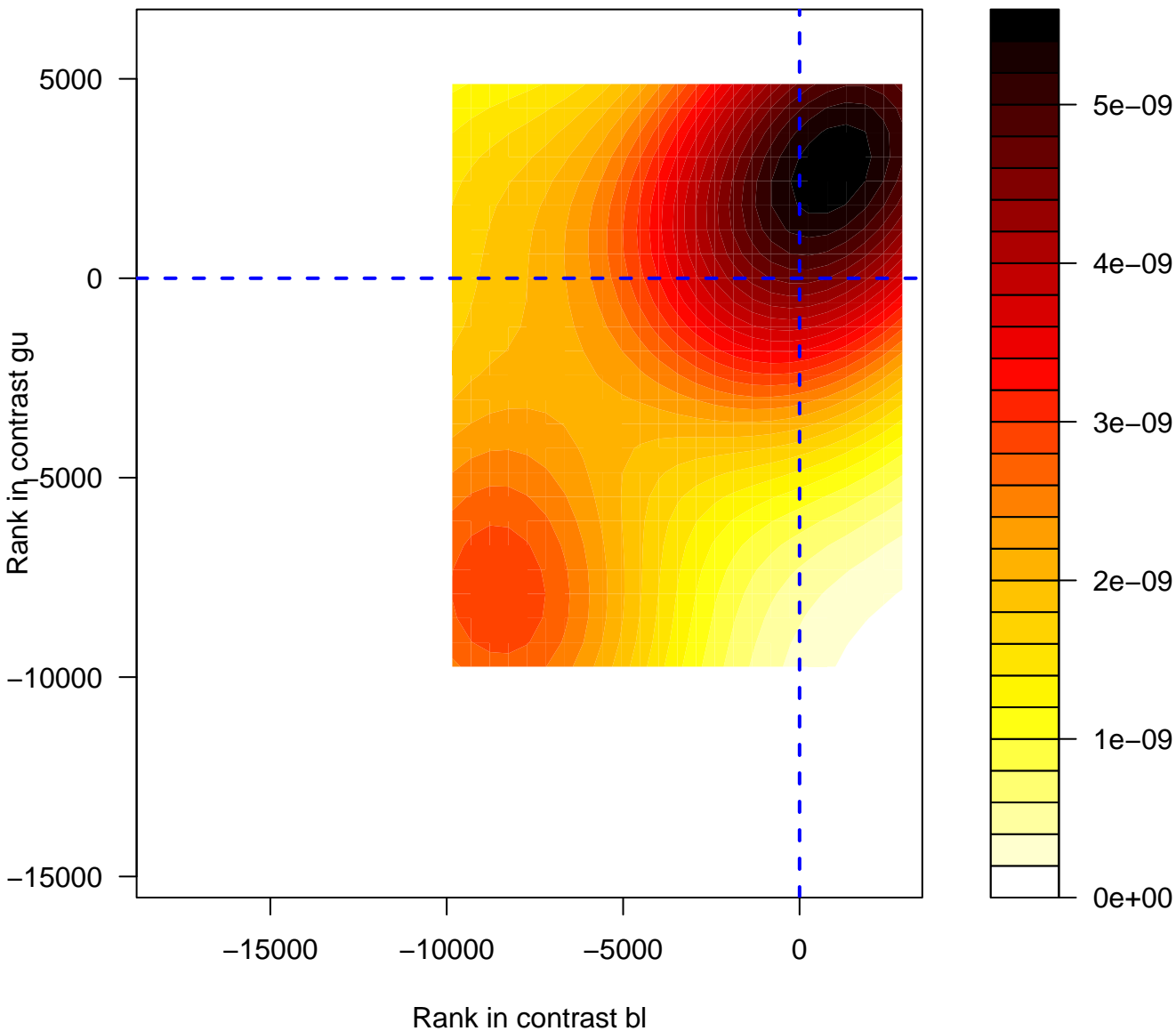




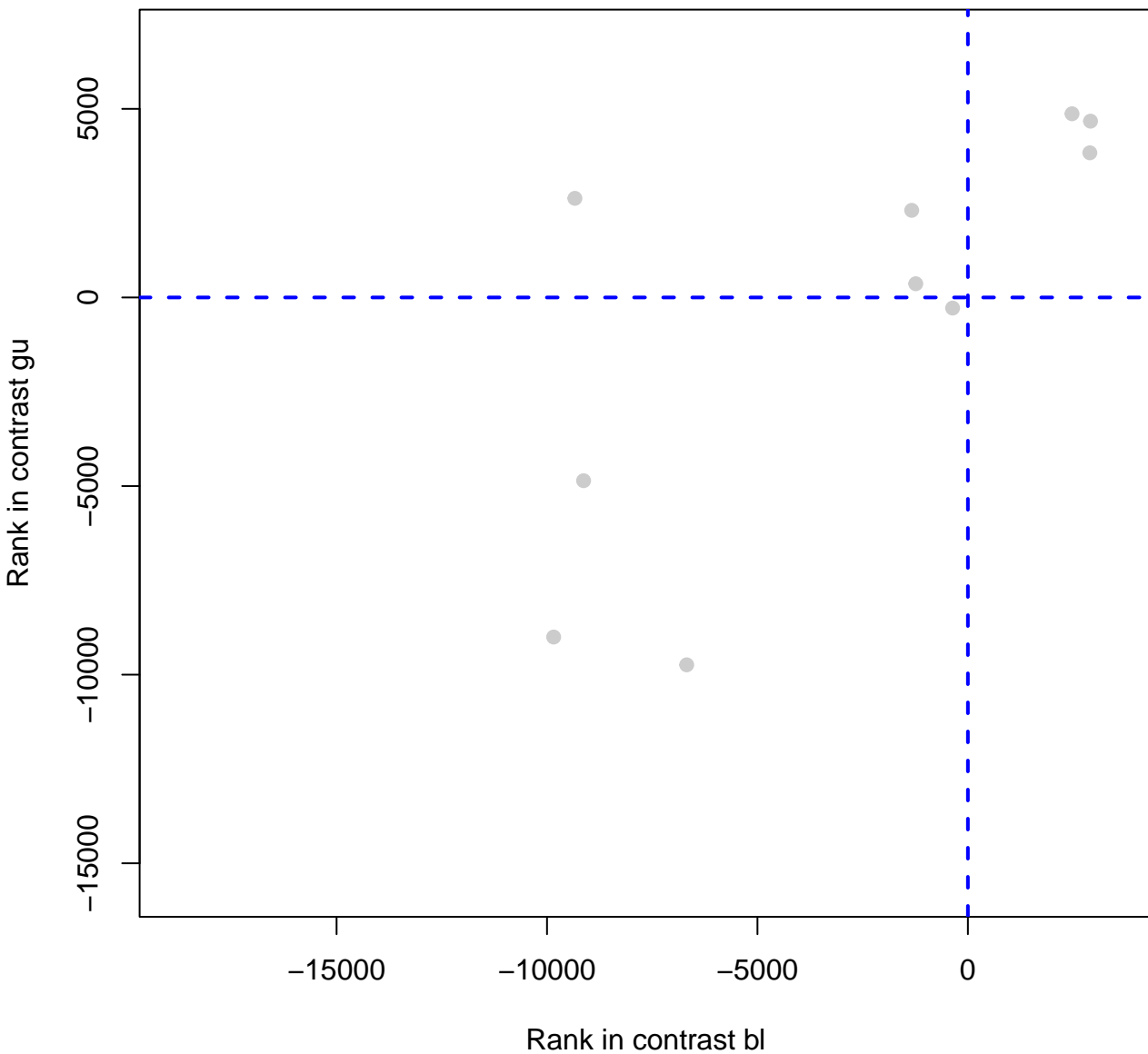
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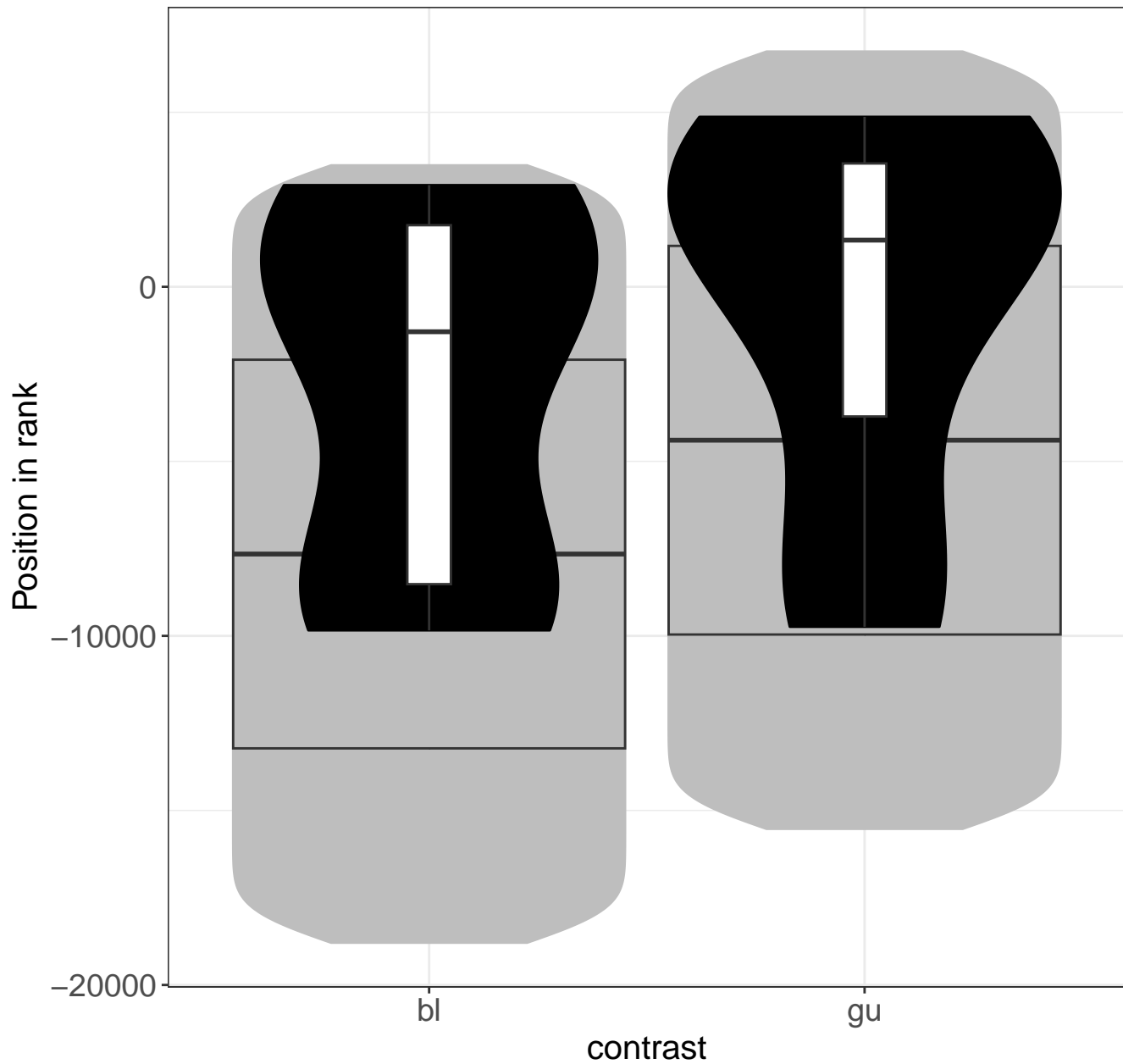
# TICAM1,TRAF6-dependent induction of TAK1 complex



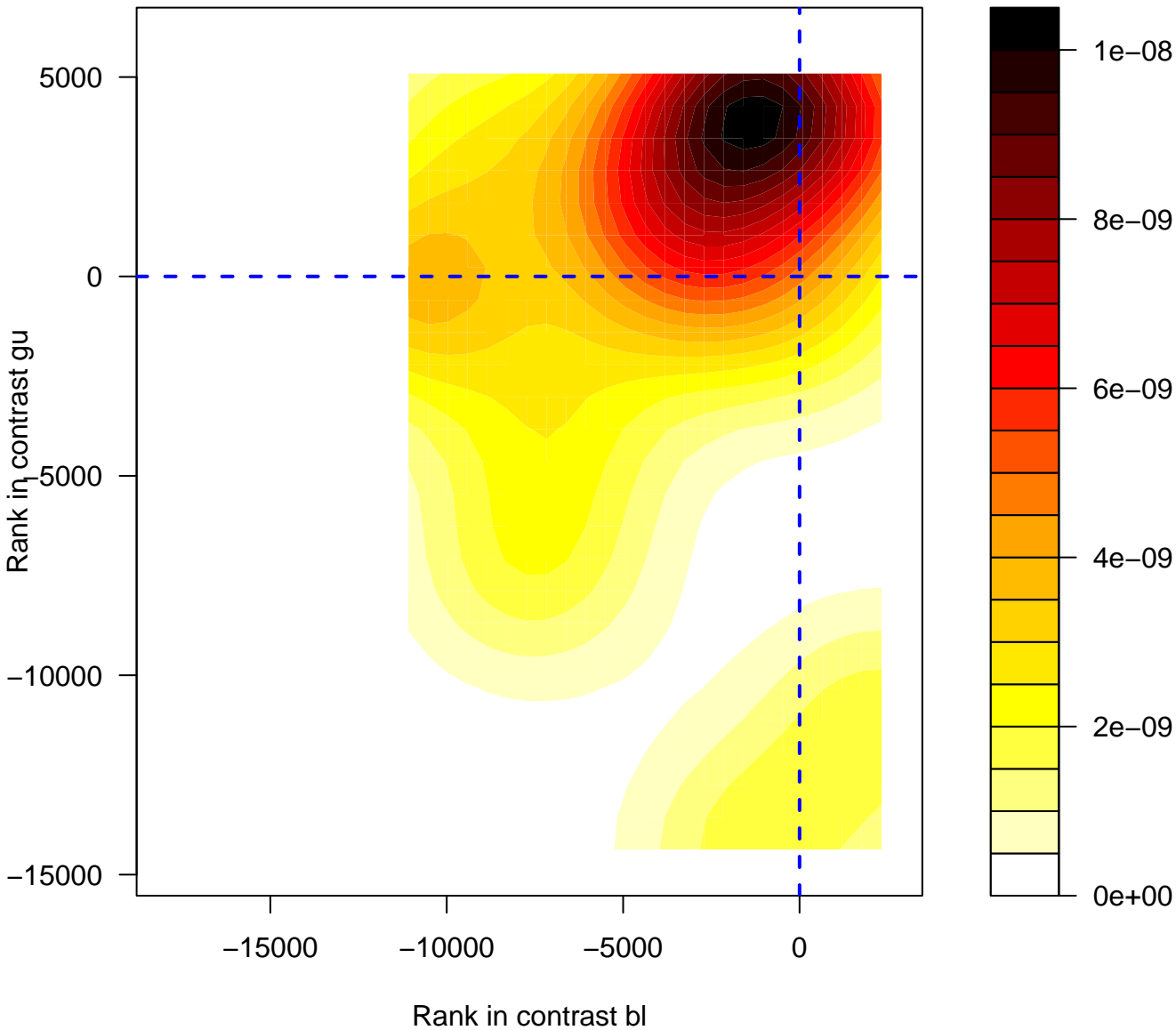
# TICAM1, TRAF6-dependent induction of TAK1 complex



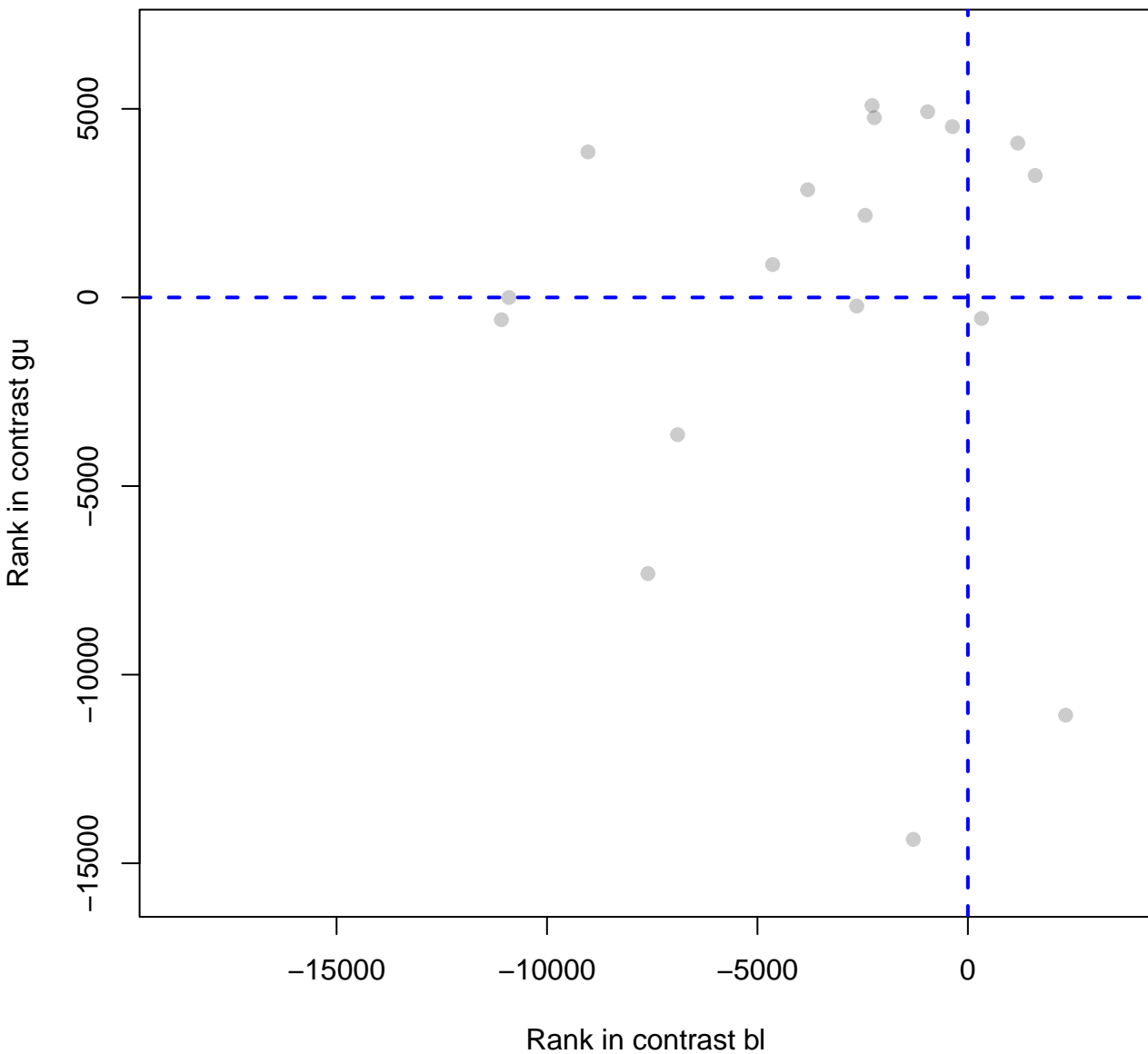
# TICAM1, TRAF6-dependent induction of TAK1 co



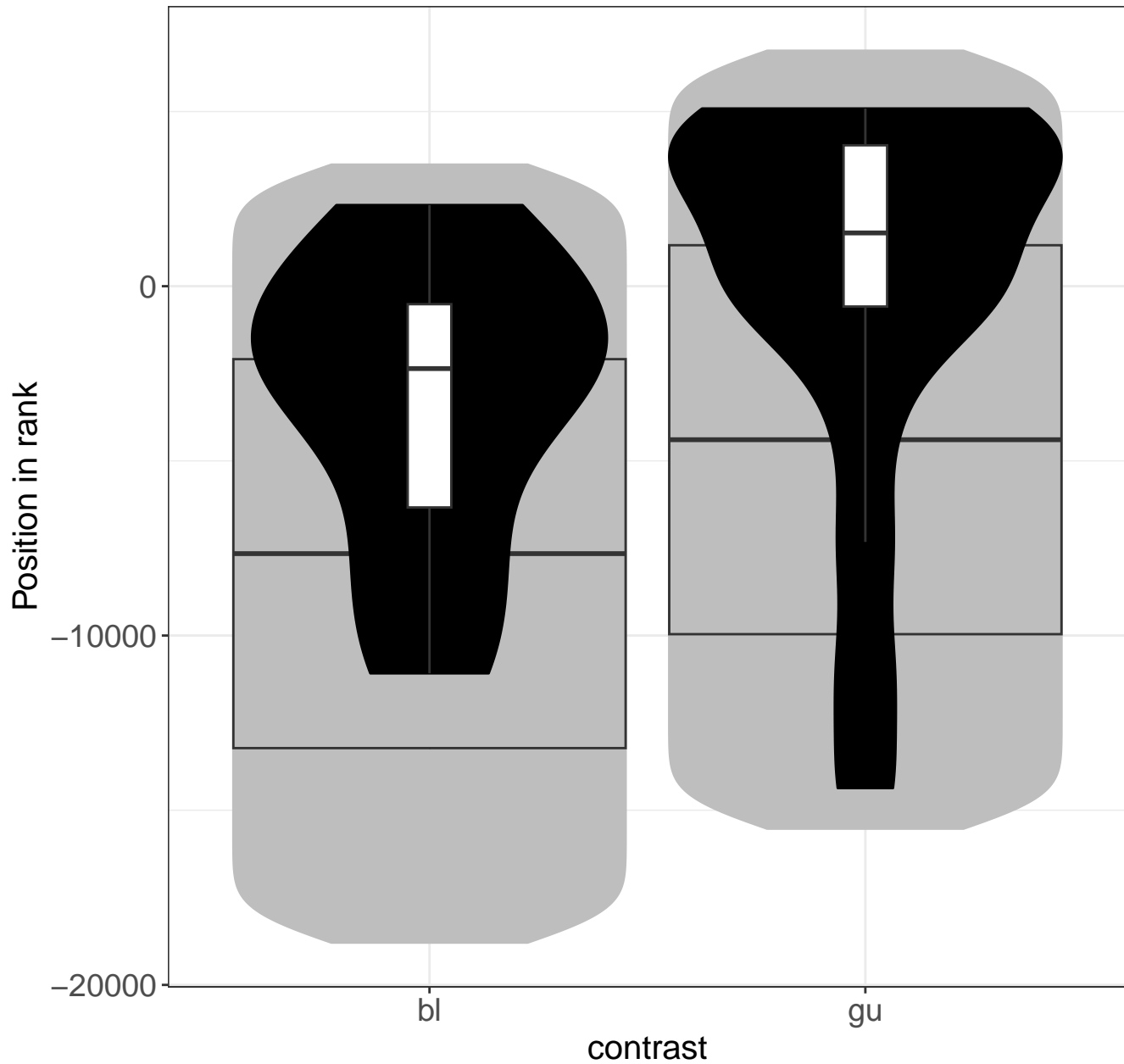
# Formation of ATP by chemiosmotic coupling



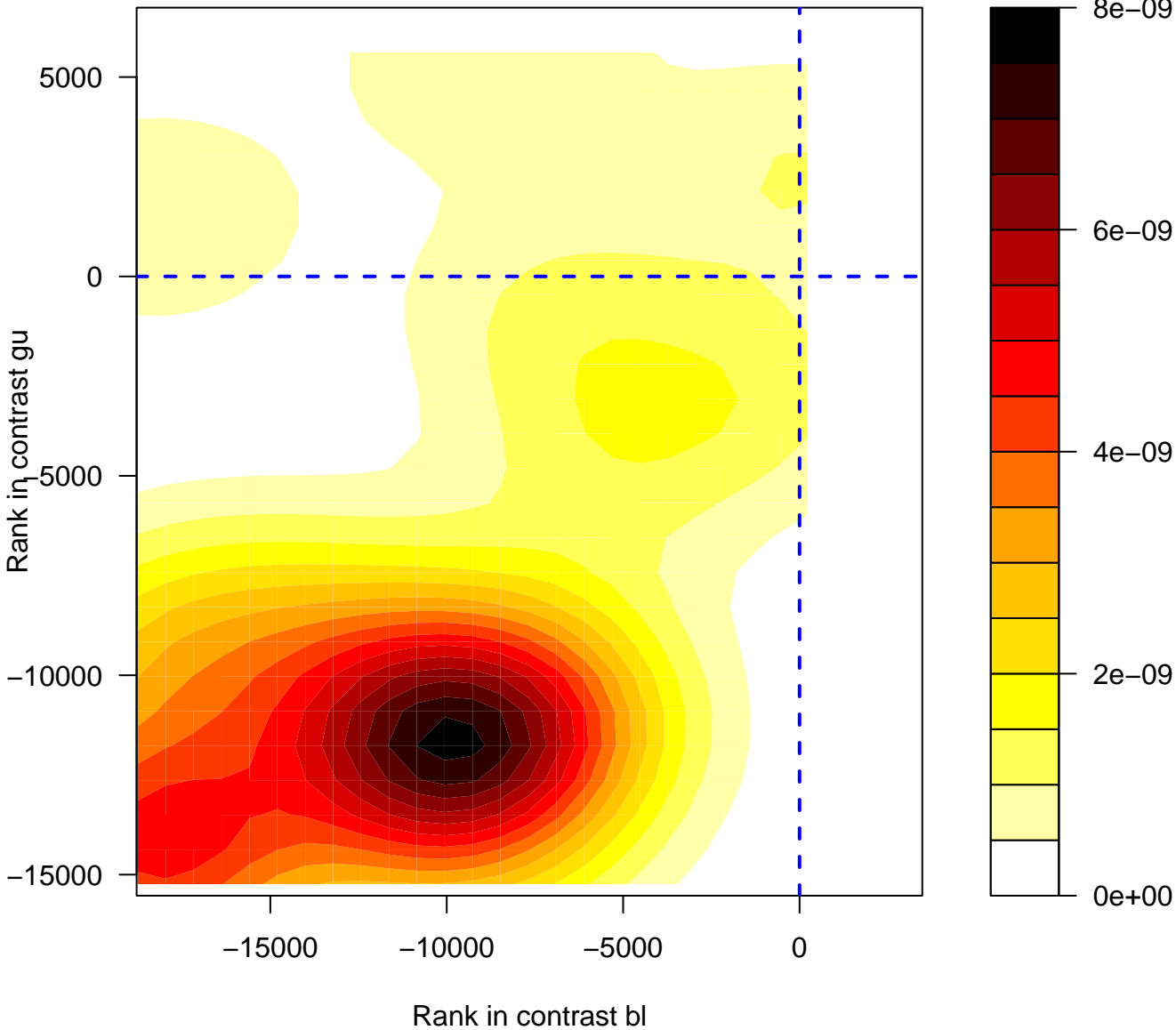
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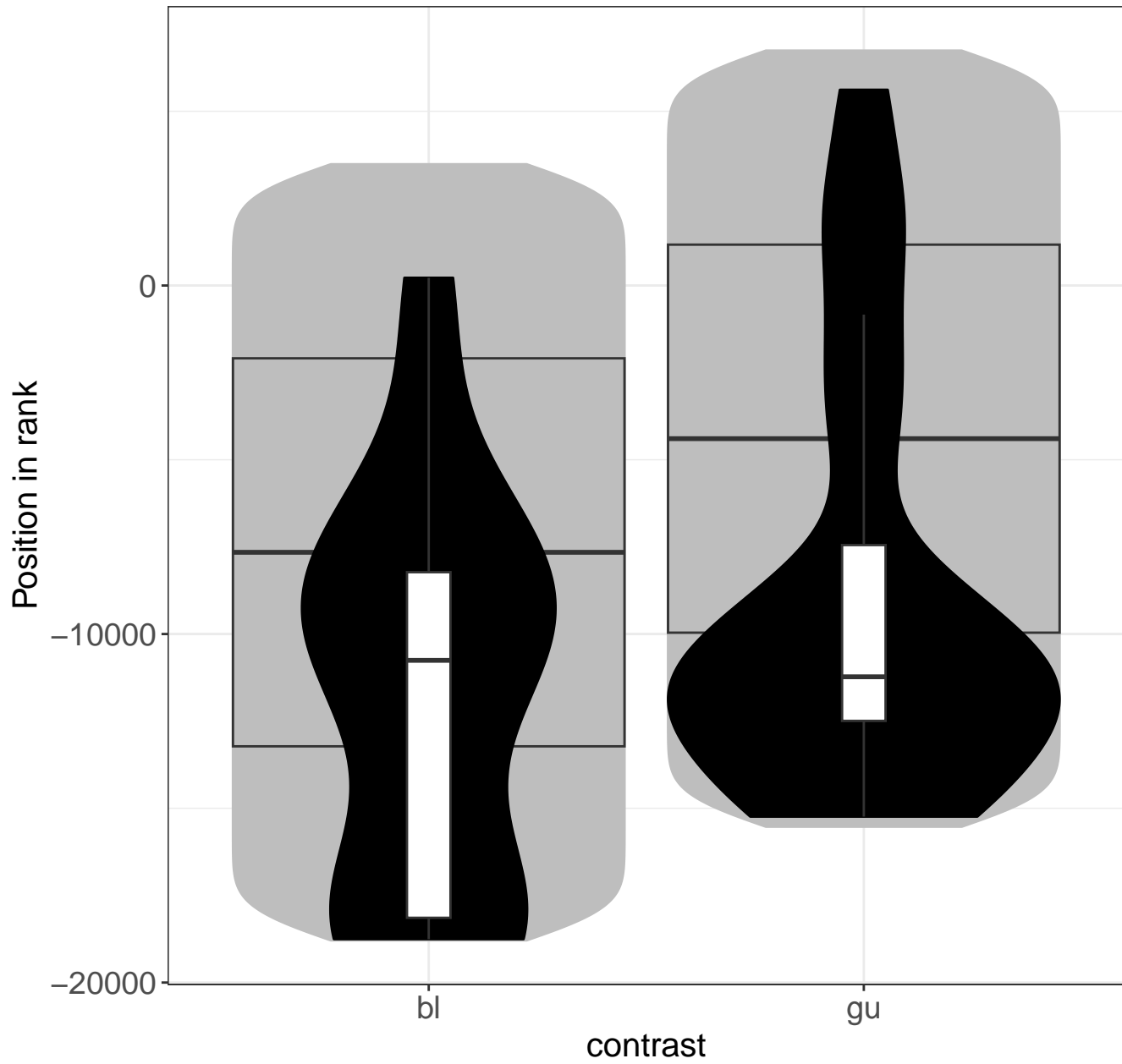
# Glucuronidation



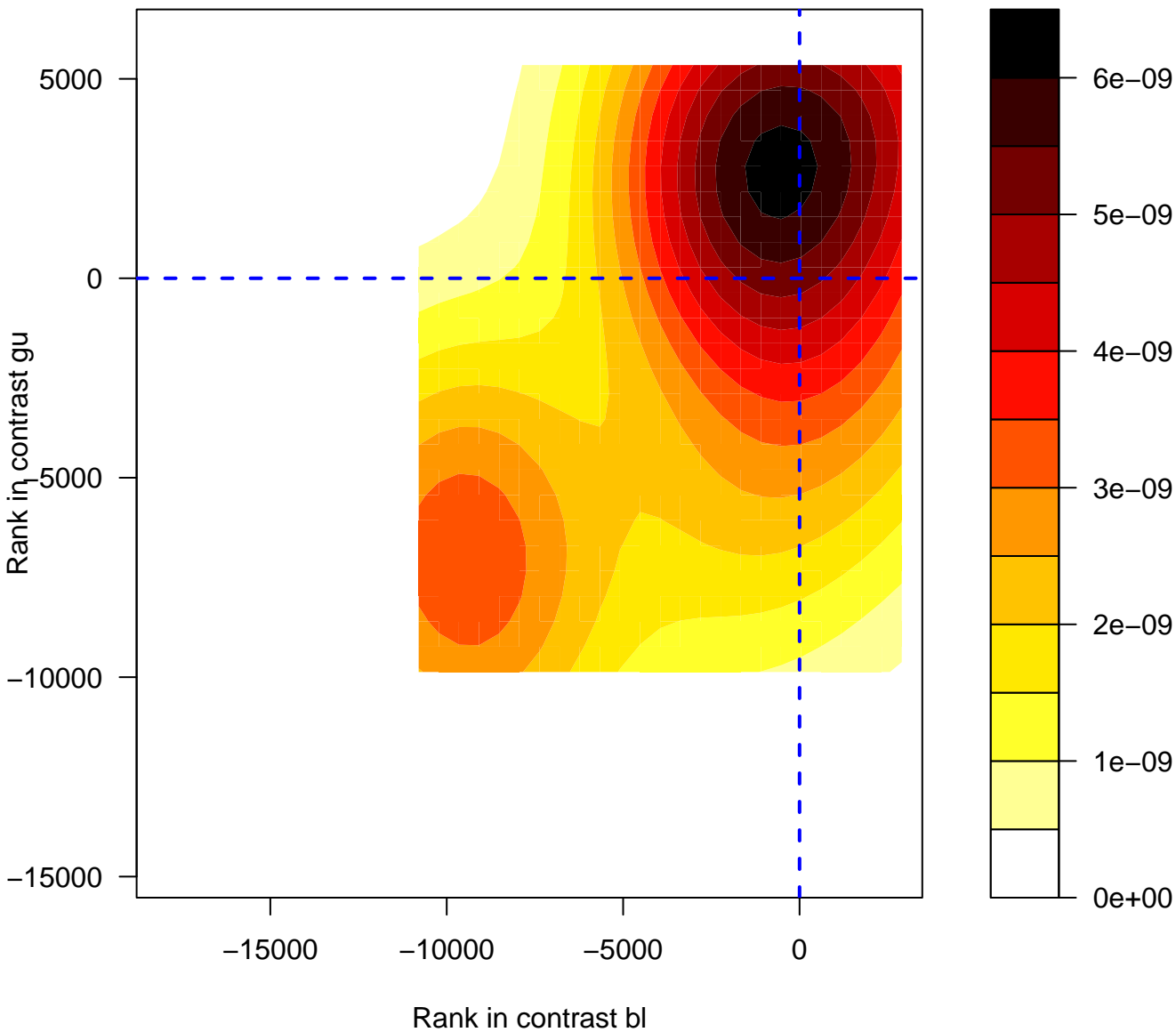




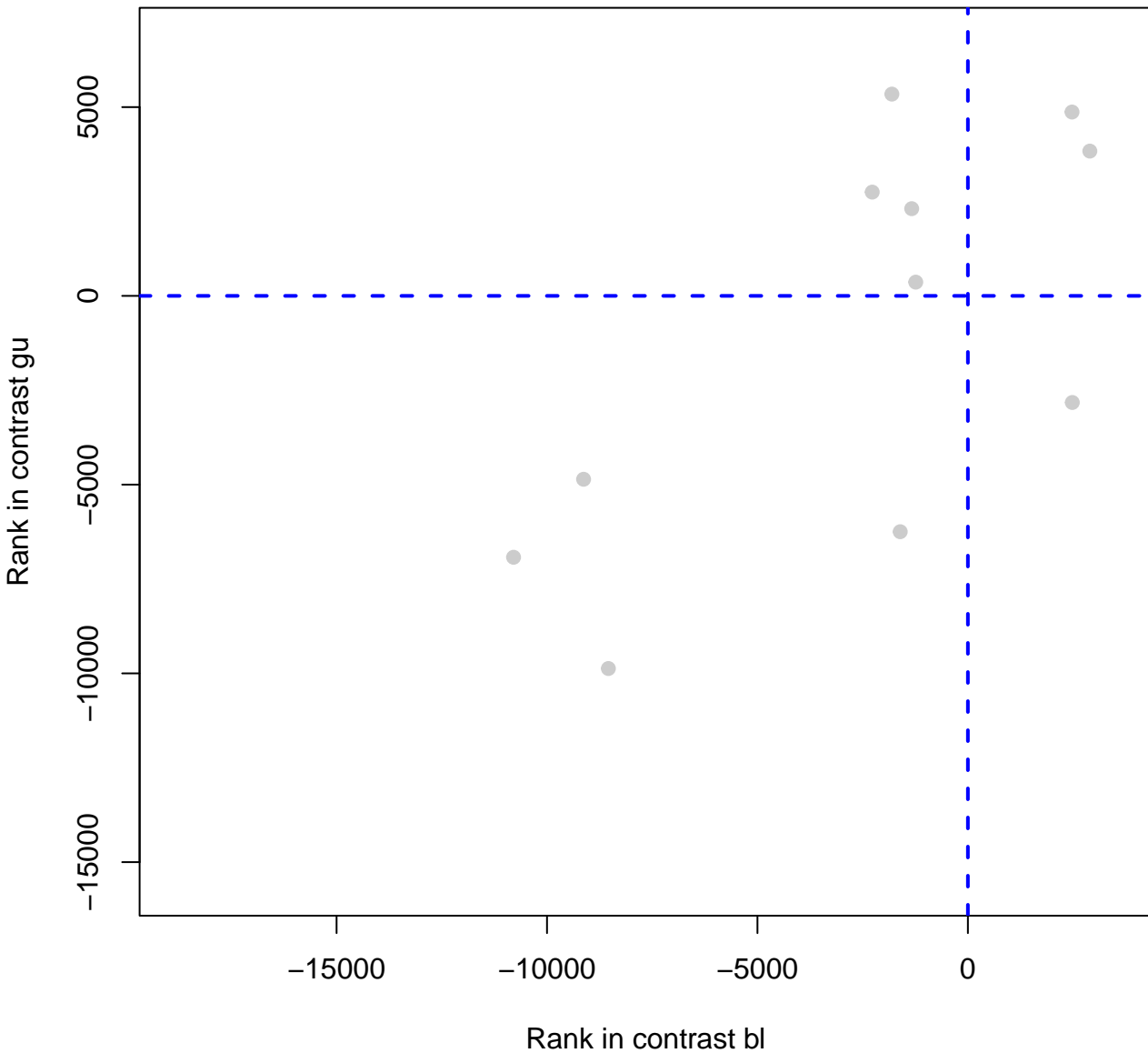
# Glucuronidation



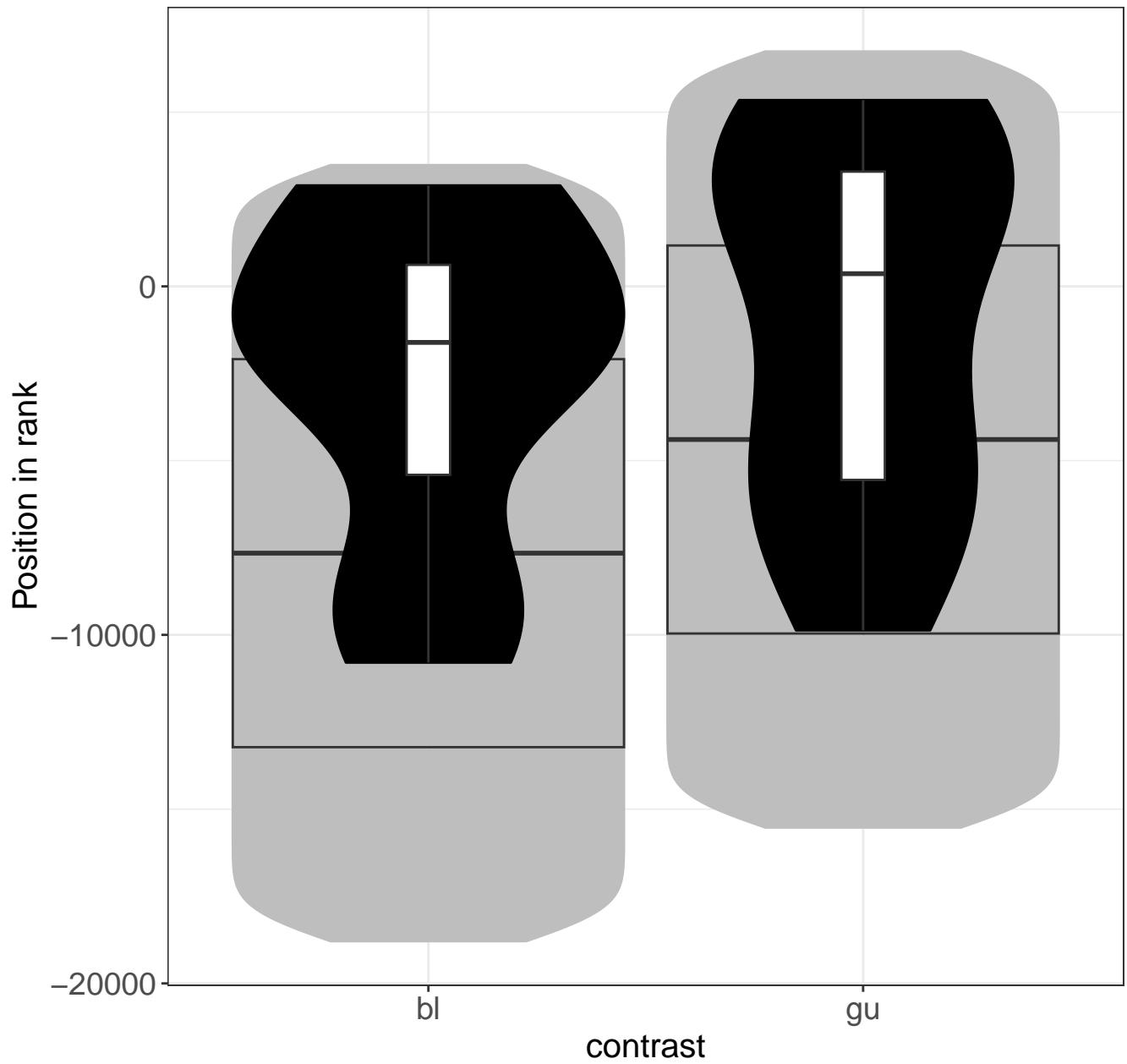
# TRAF6 mediated IRF7 activation in TLR7/8 or 9 signaling



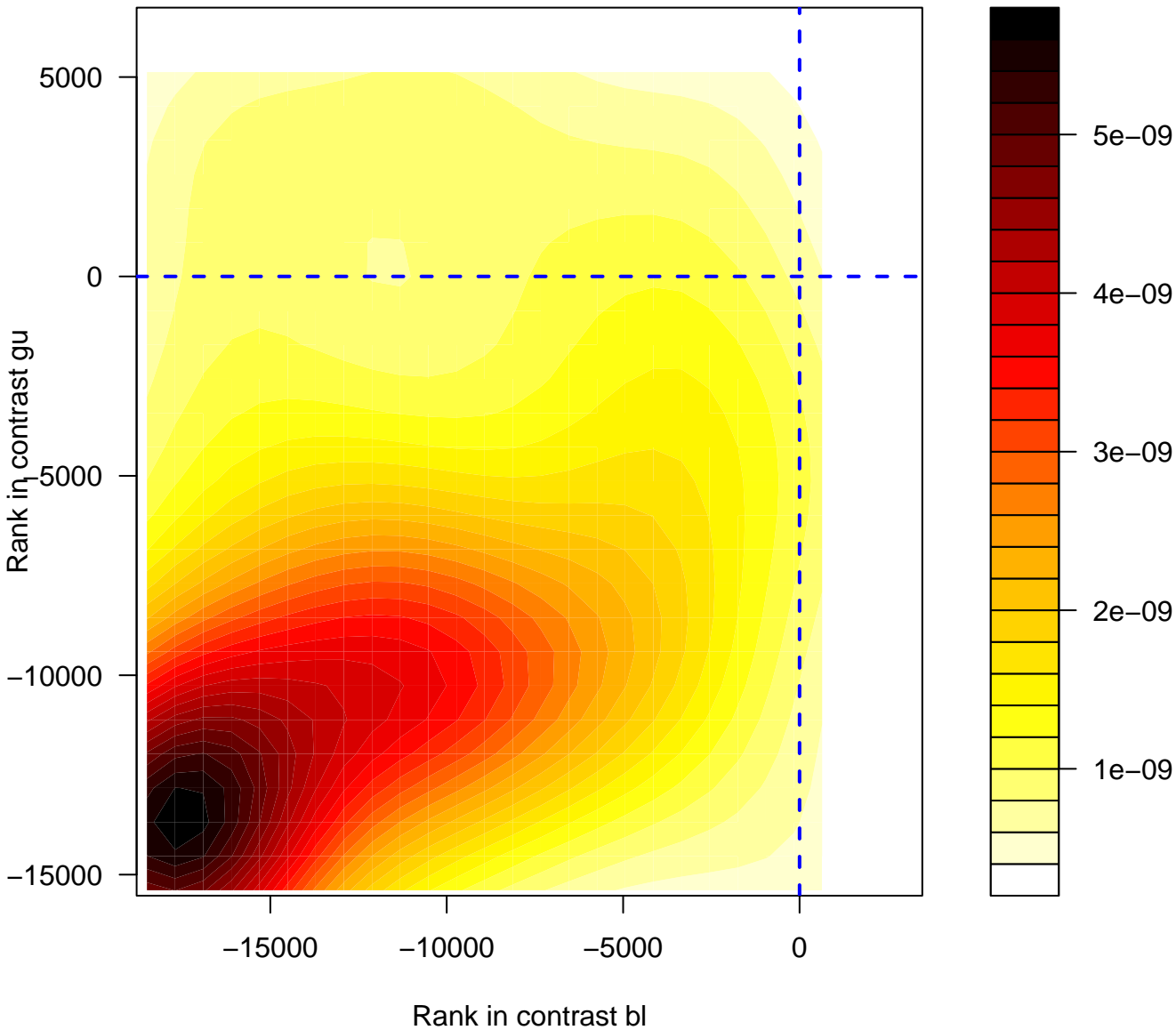
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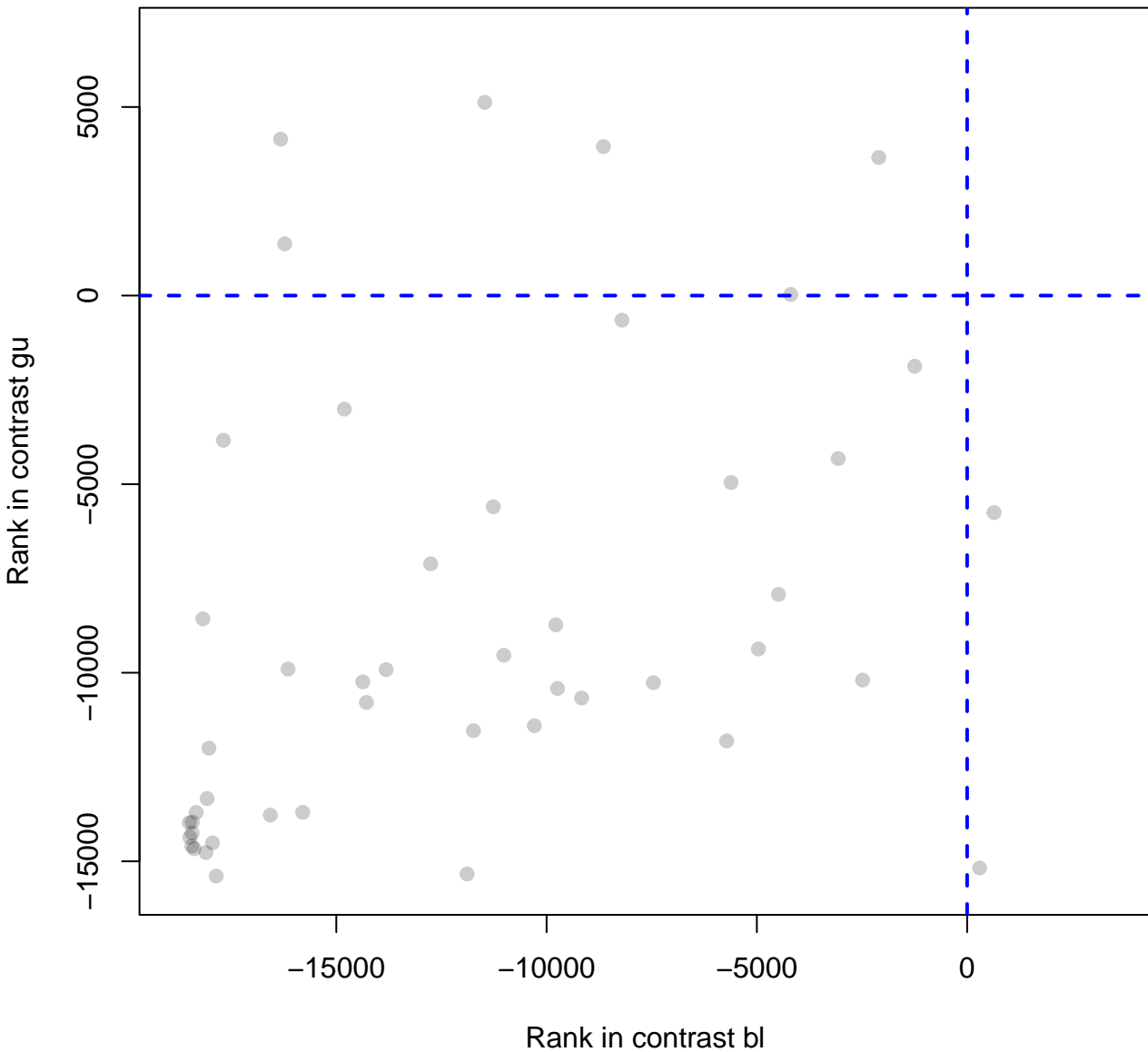
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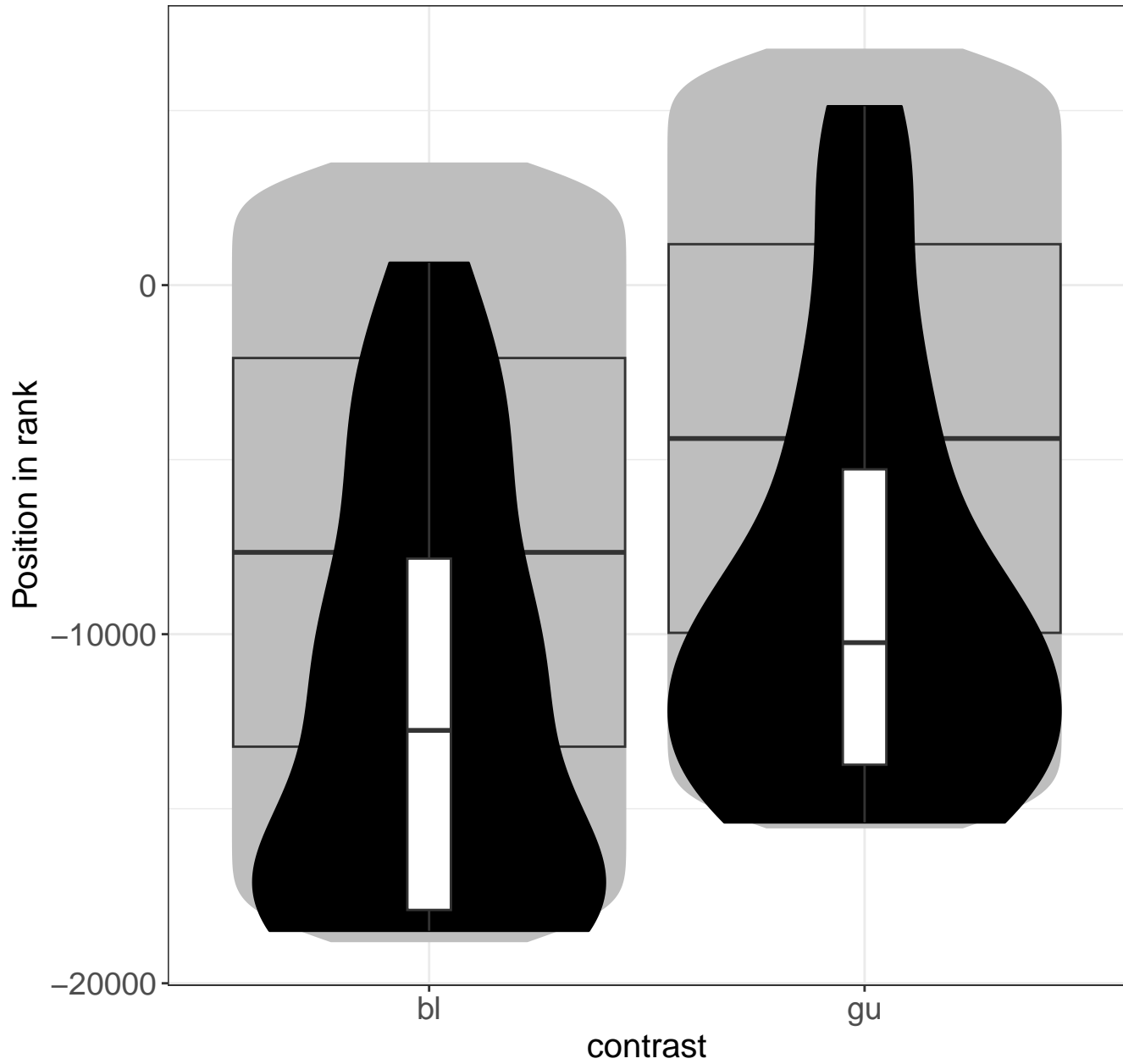
# Sensory perception of taste



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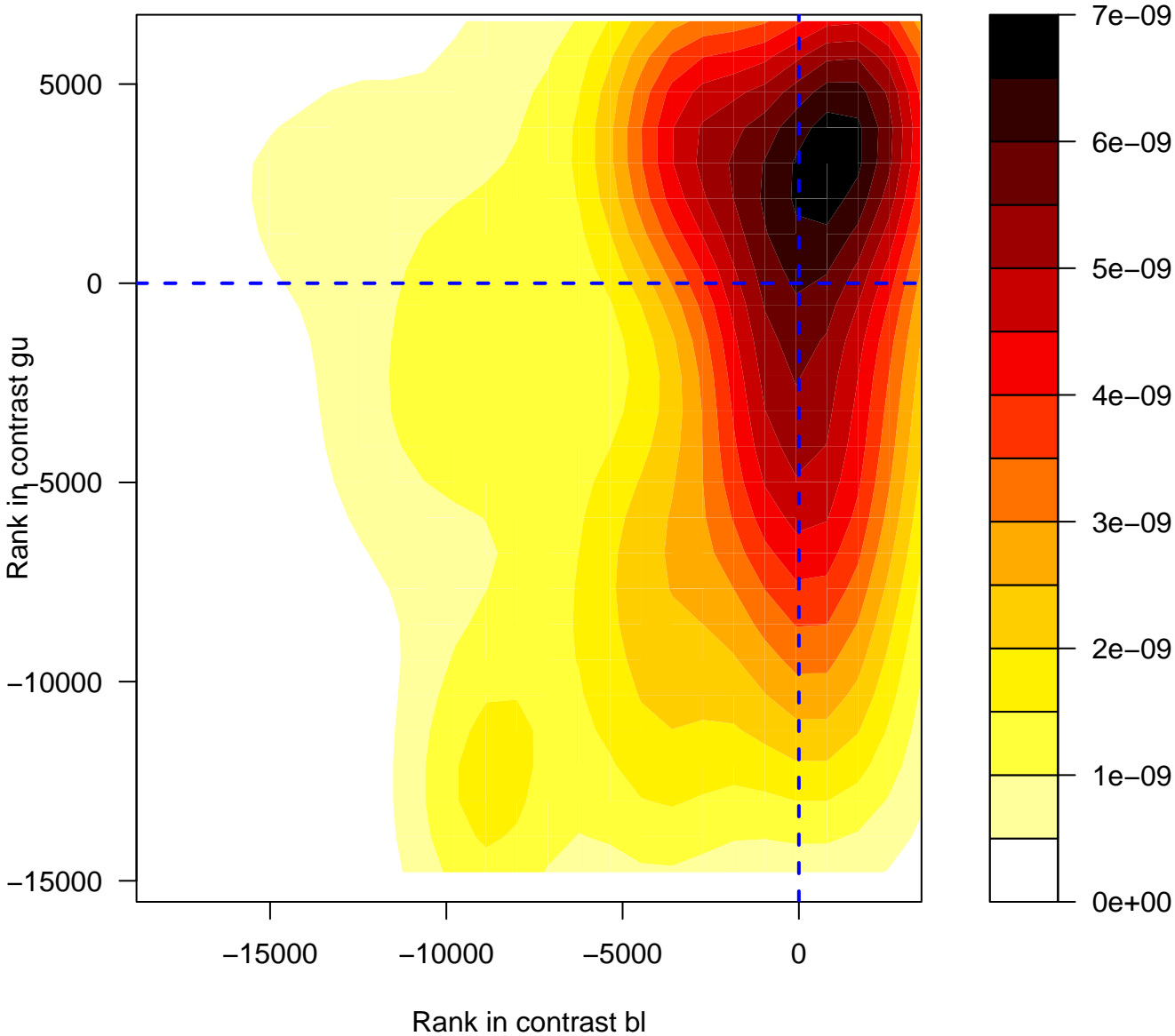


# Sensory perception of taste

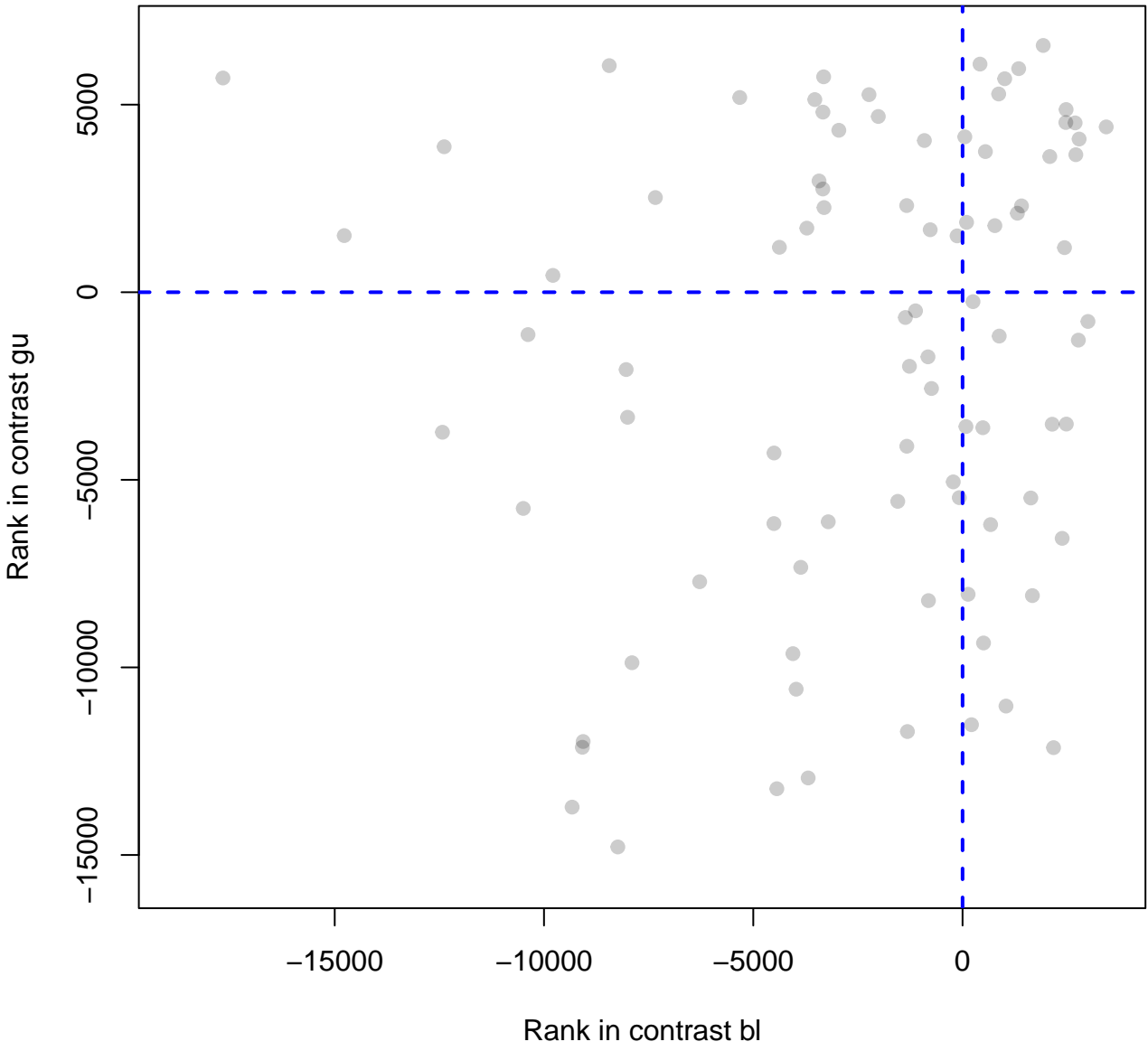




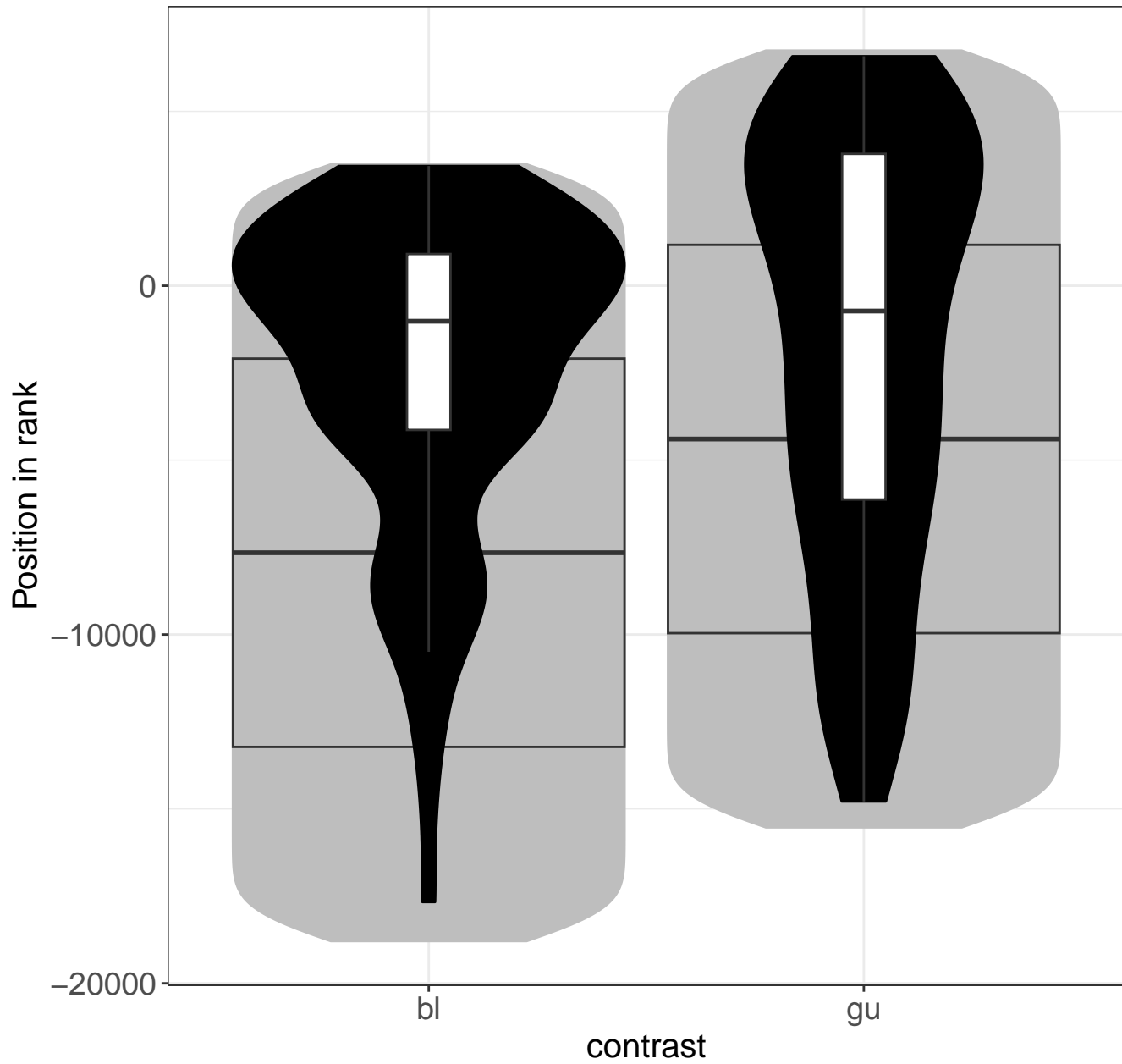
# Eukaryotic Translation Elongation



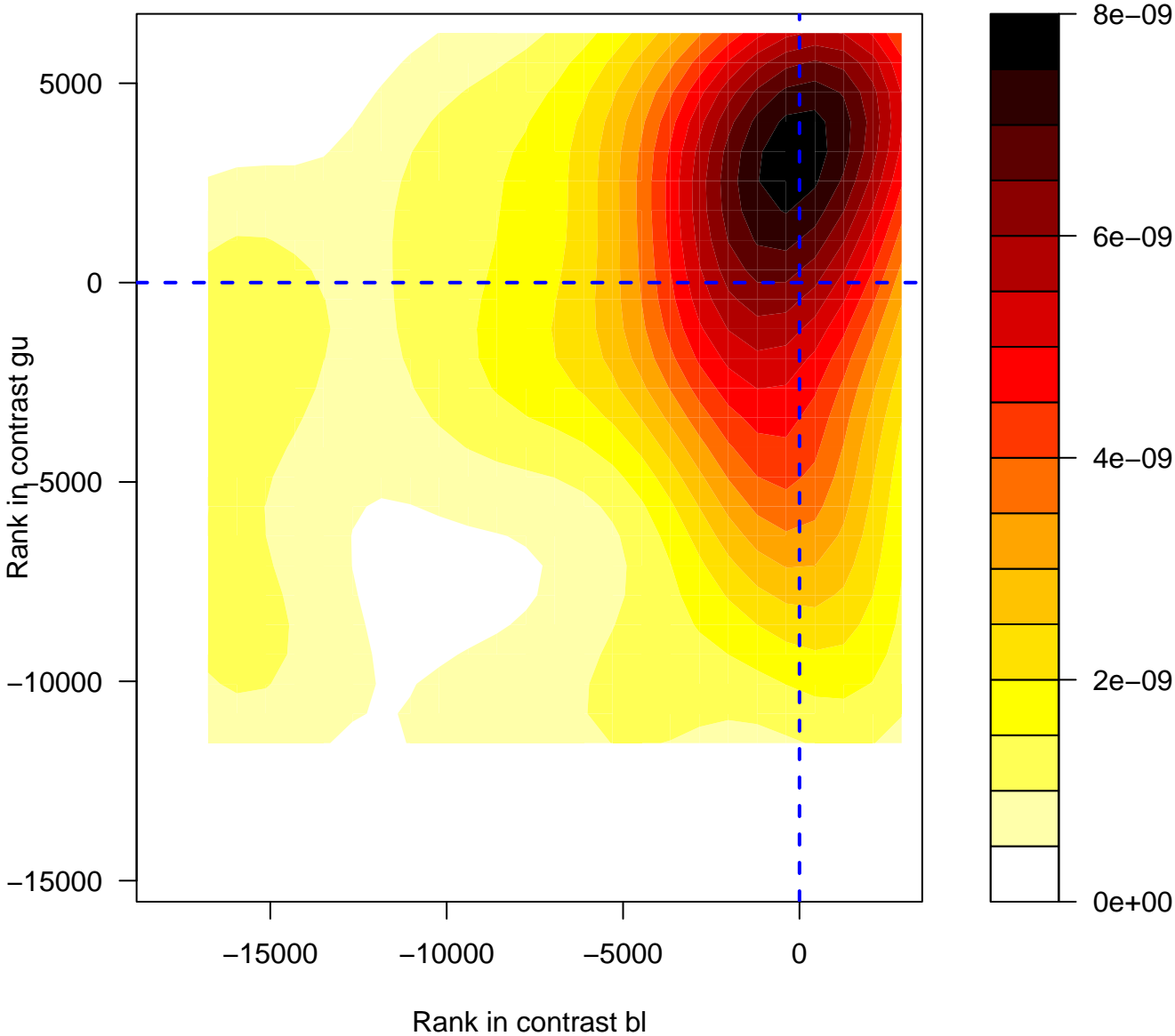
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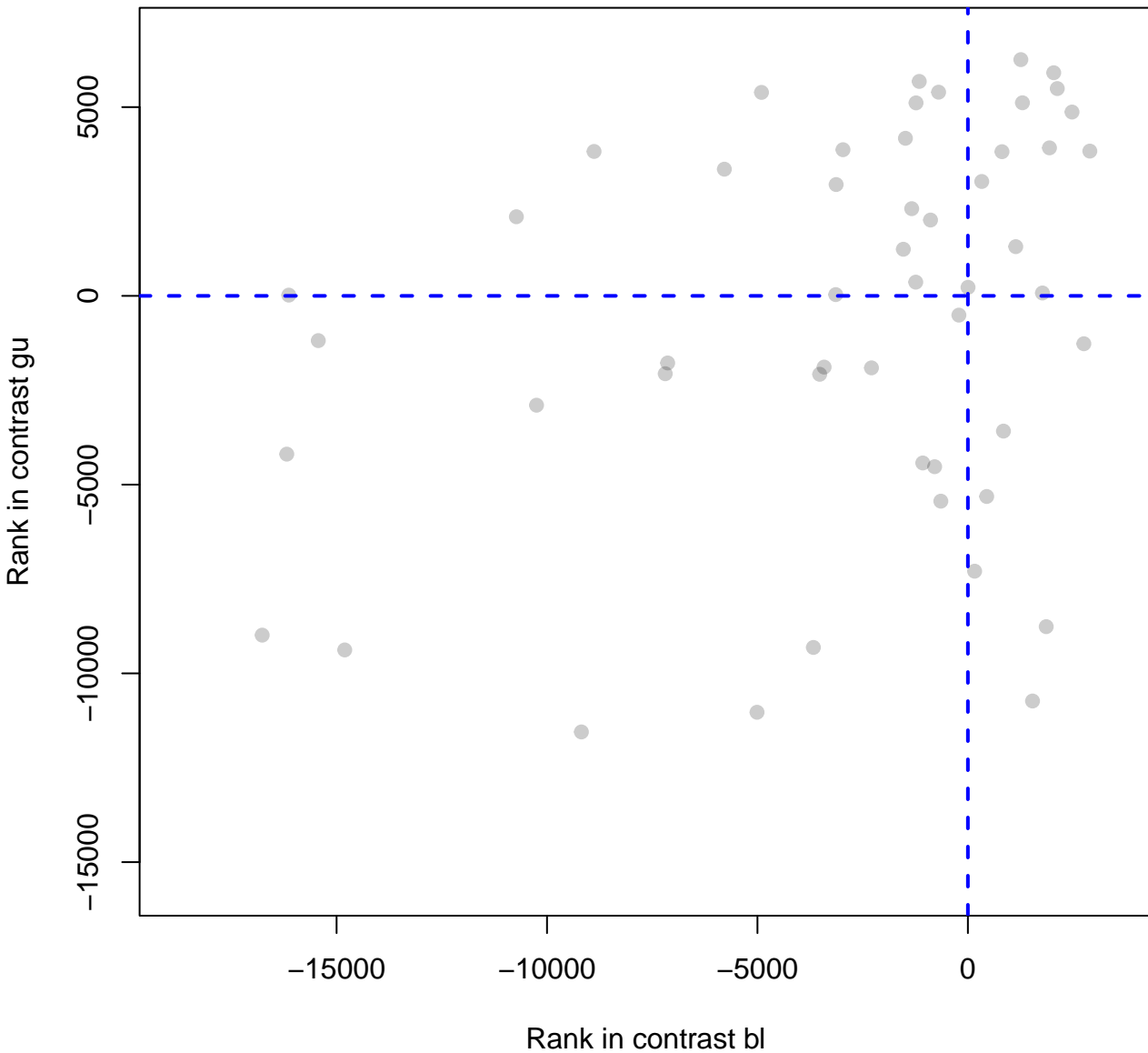
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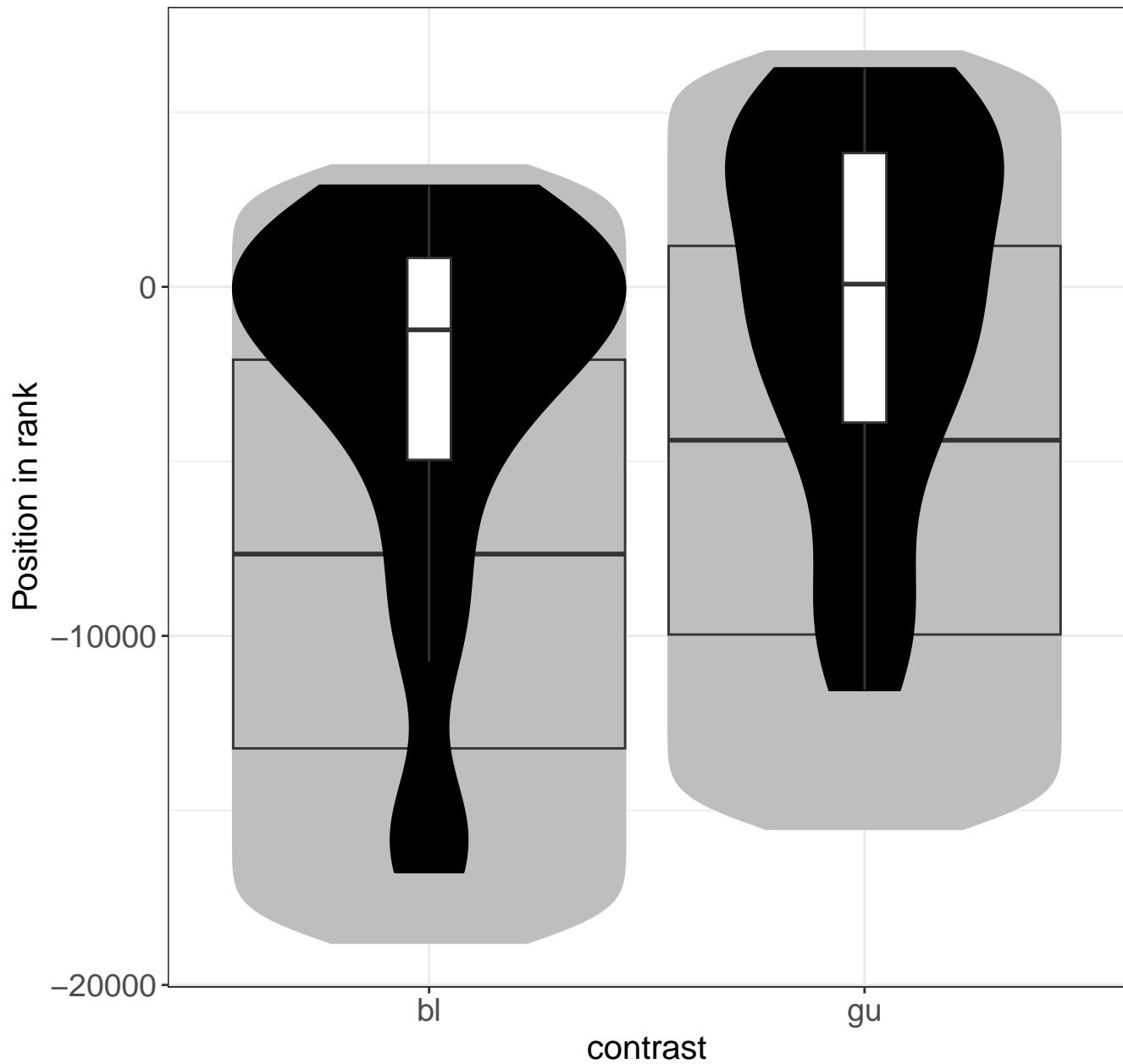
# GSK3B and BTRC:CUL1-mediated-degradation of NFE2



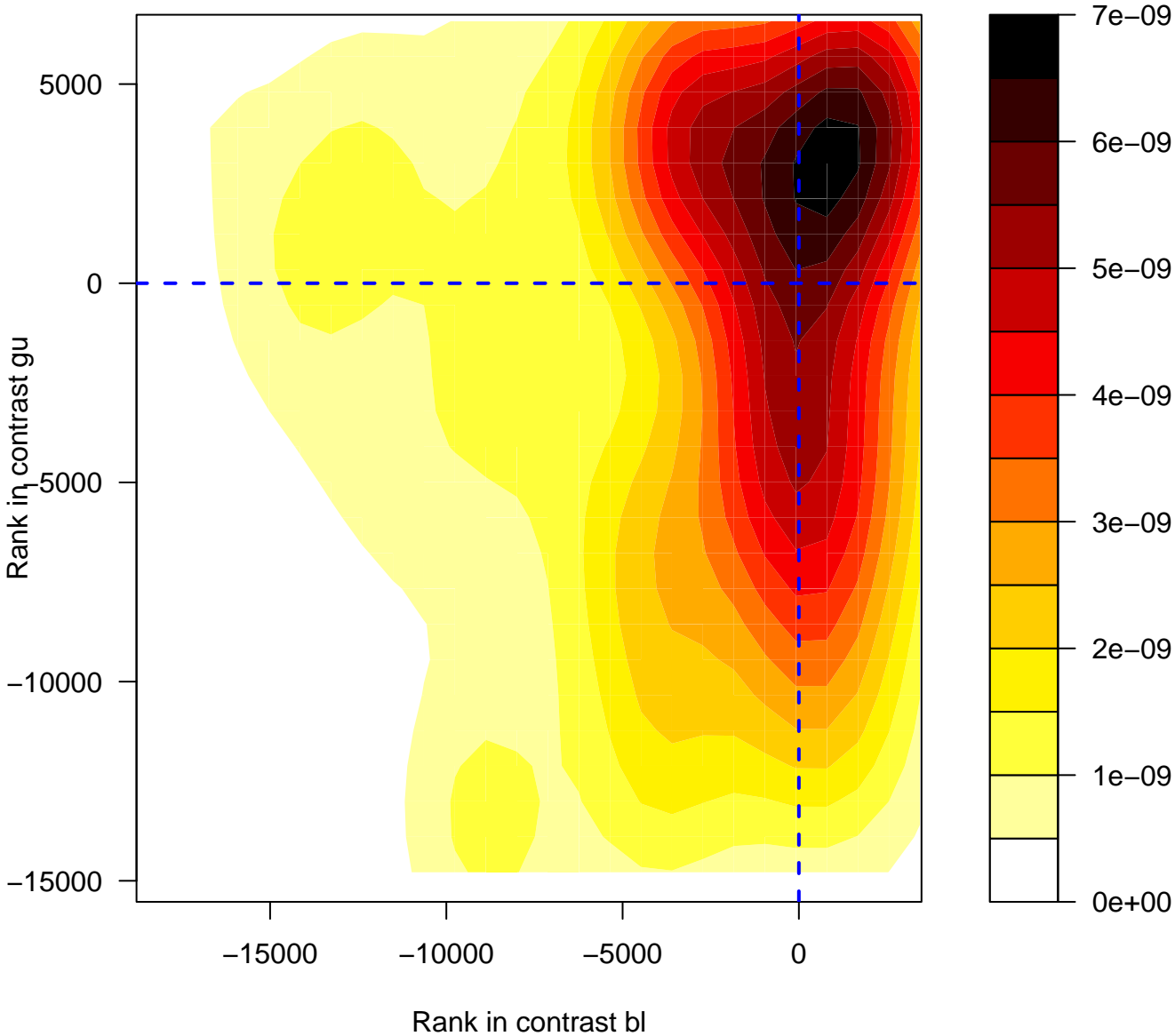
# GSK3B and BTRC:CUL1-mediated-degradation of NFE2L2



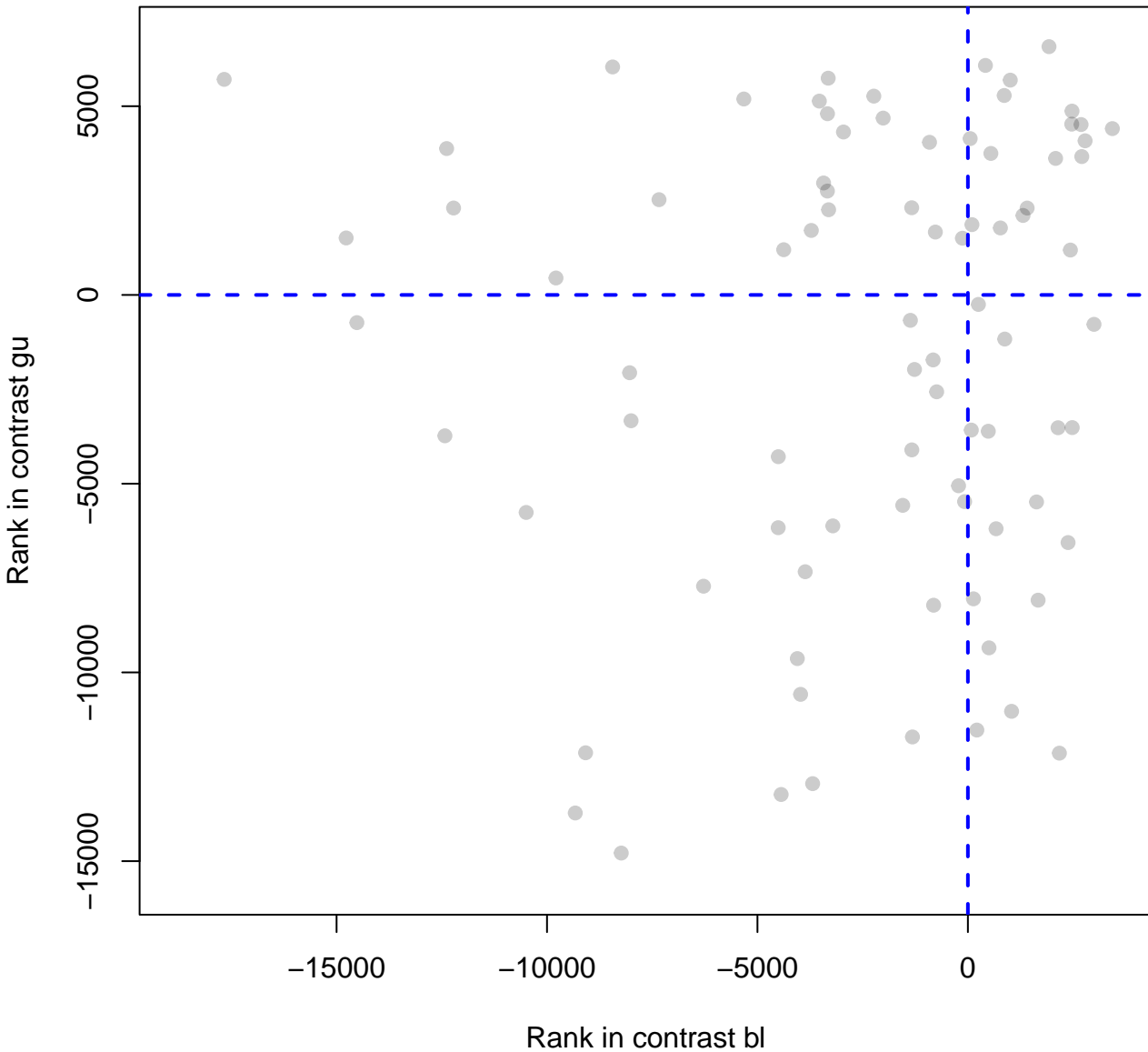
# GSK3B and BTRC:CUL1-mediated-degradation



# Viral mRNA Translation

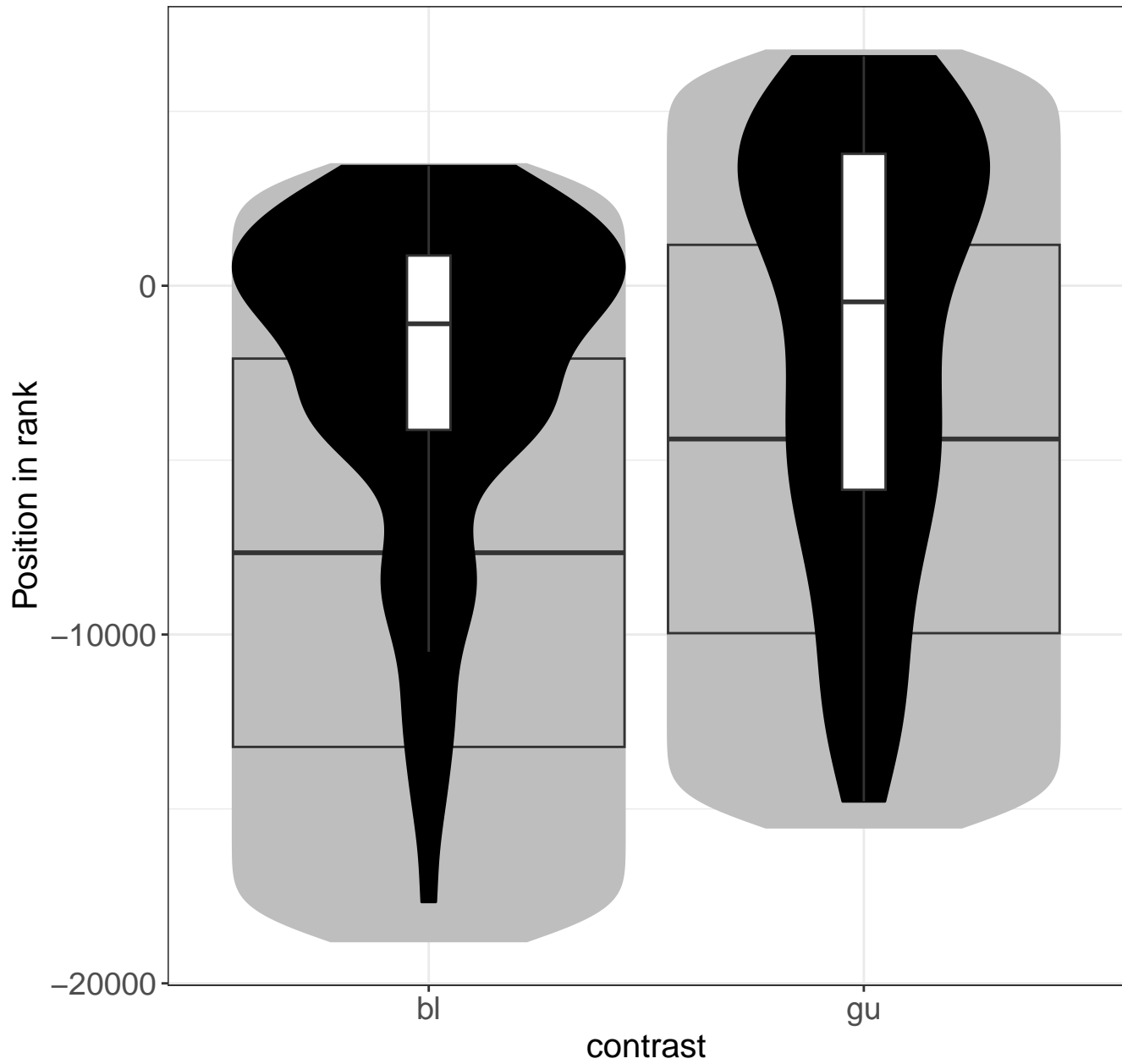


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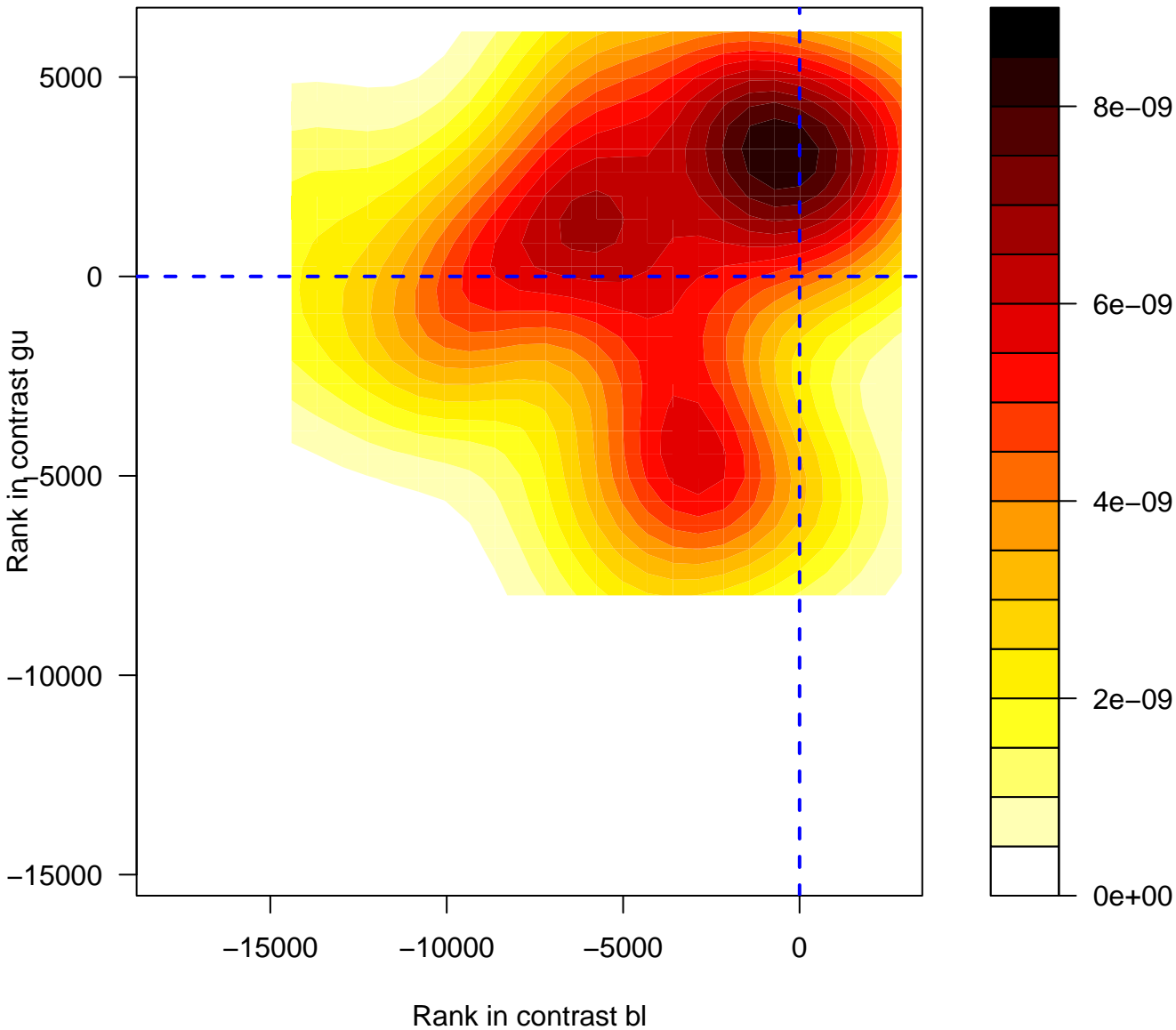




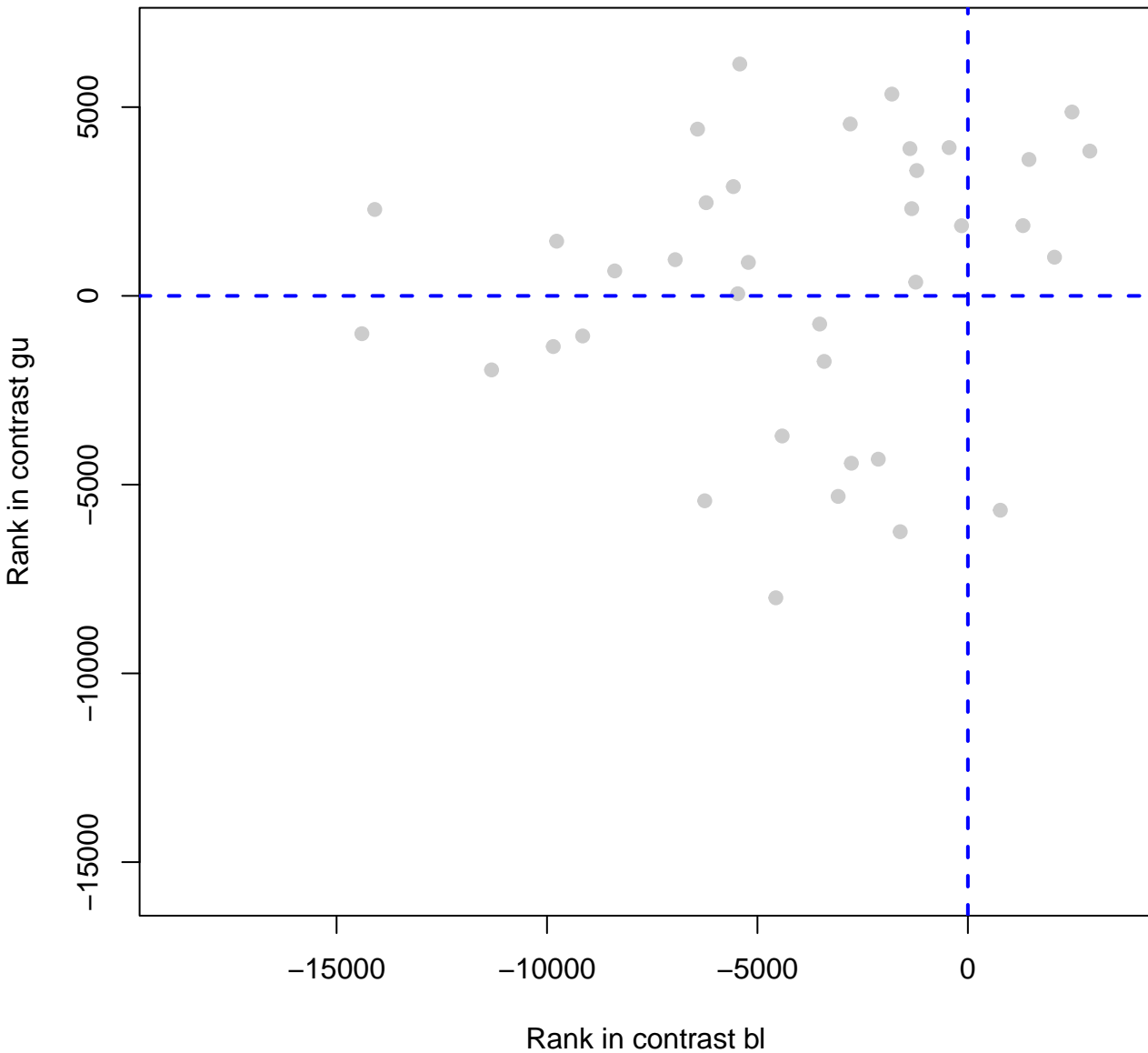
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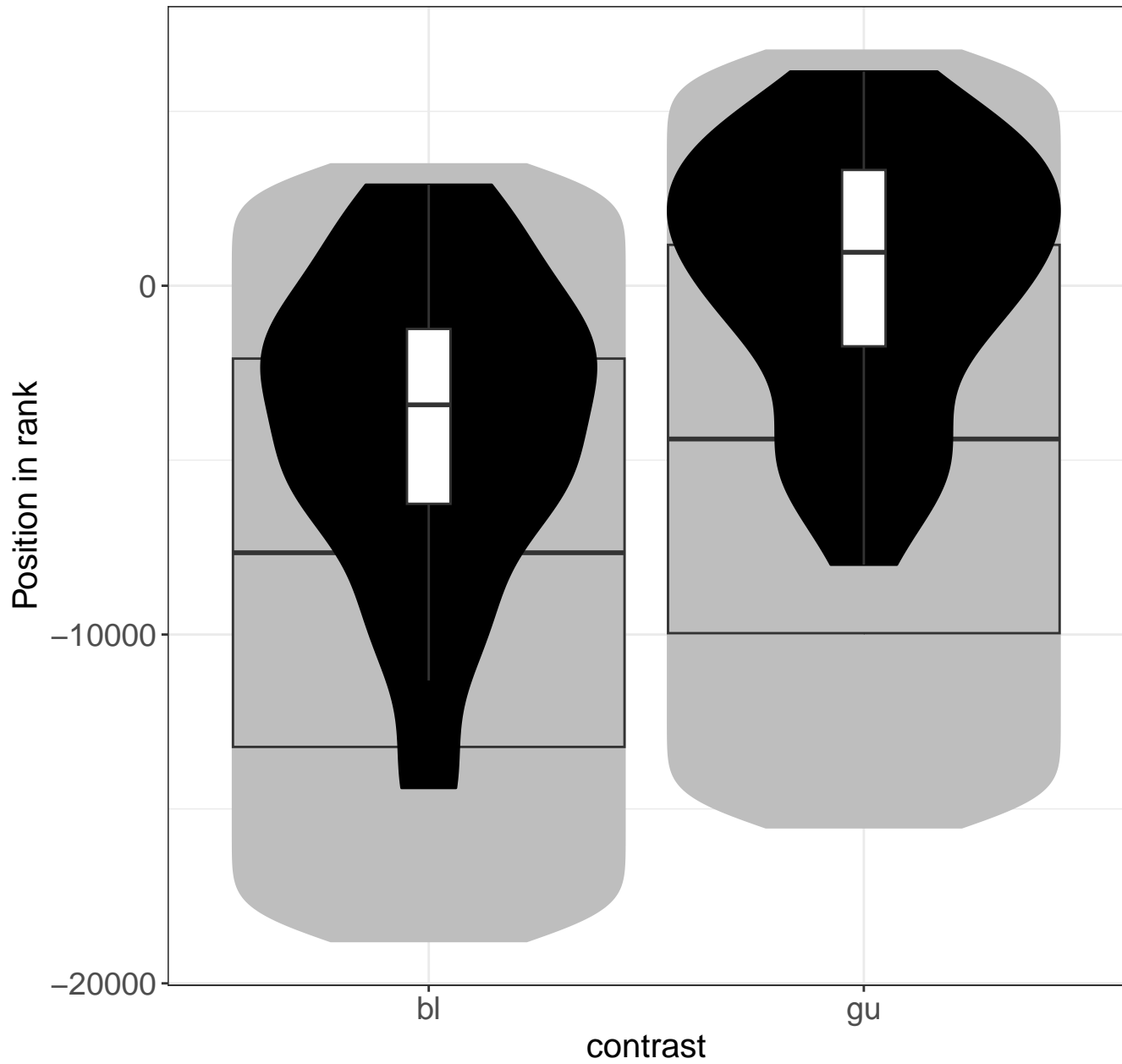
# Mitophagy



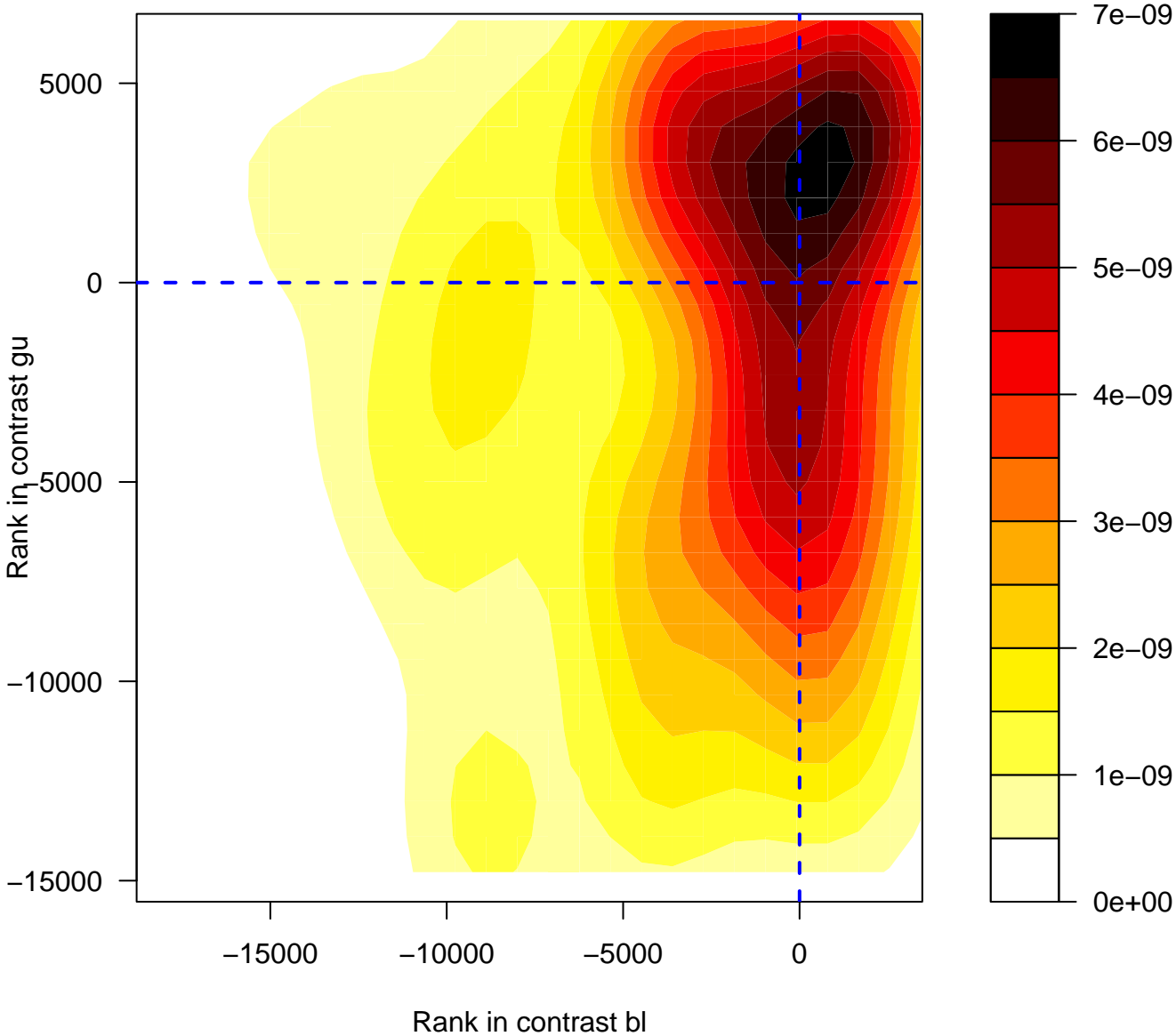
# Mitophagy



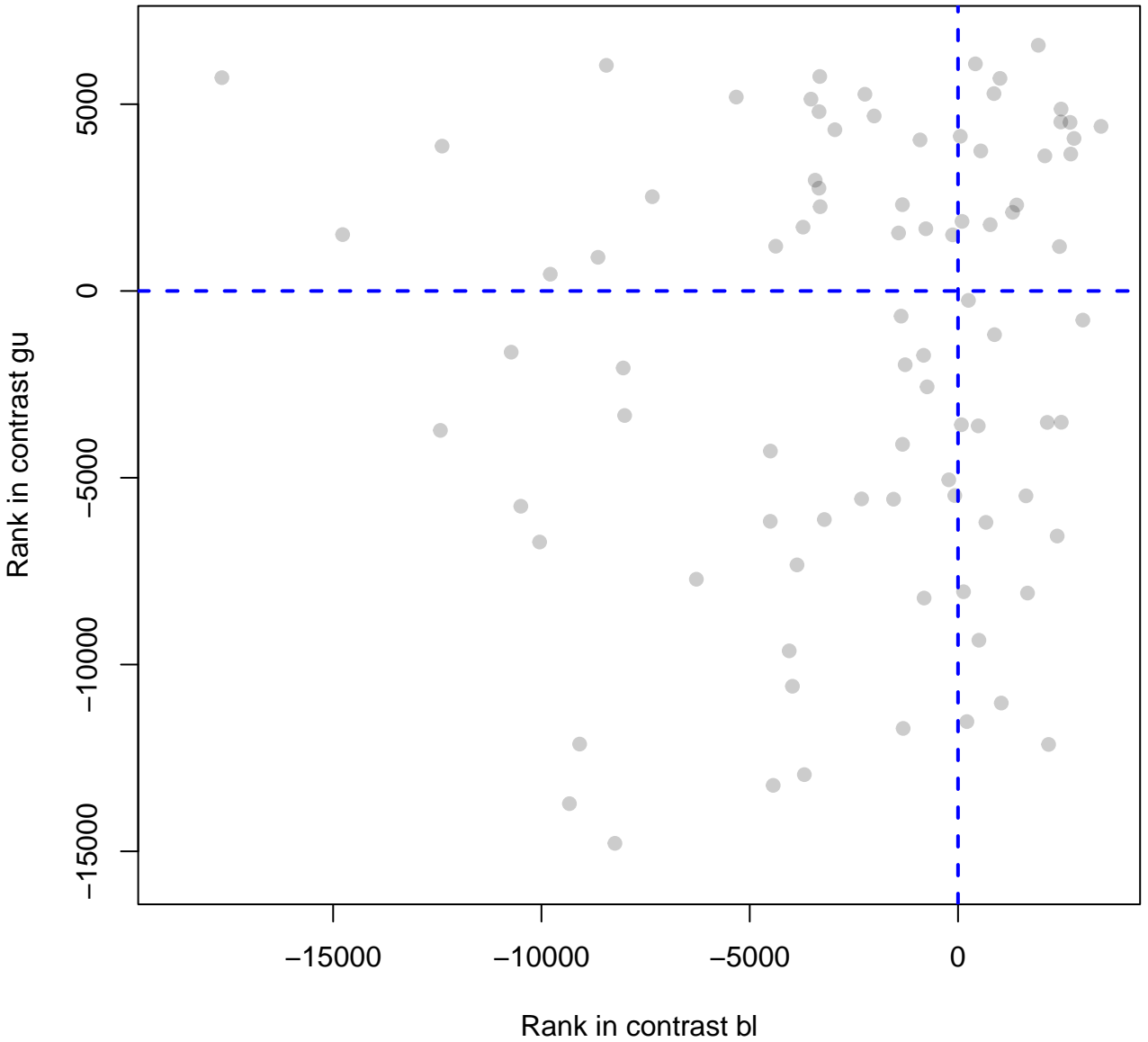
# Mitophagy



# Selenocysteine synthesis



# Selenocysteine synthesis



# Selenocysteine synthesis

