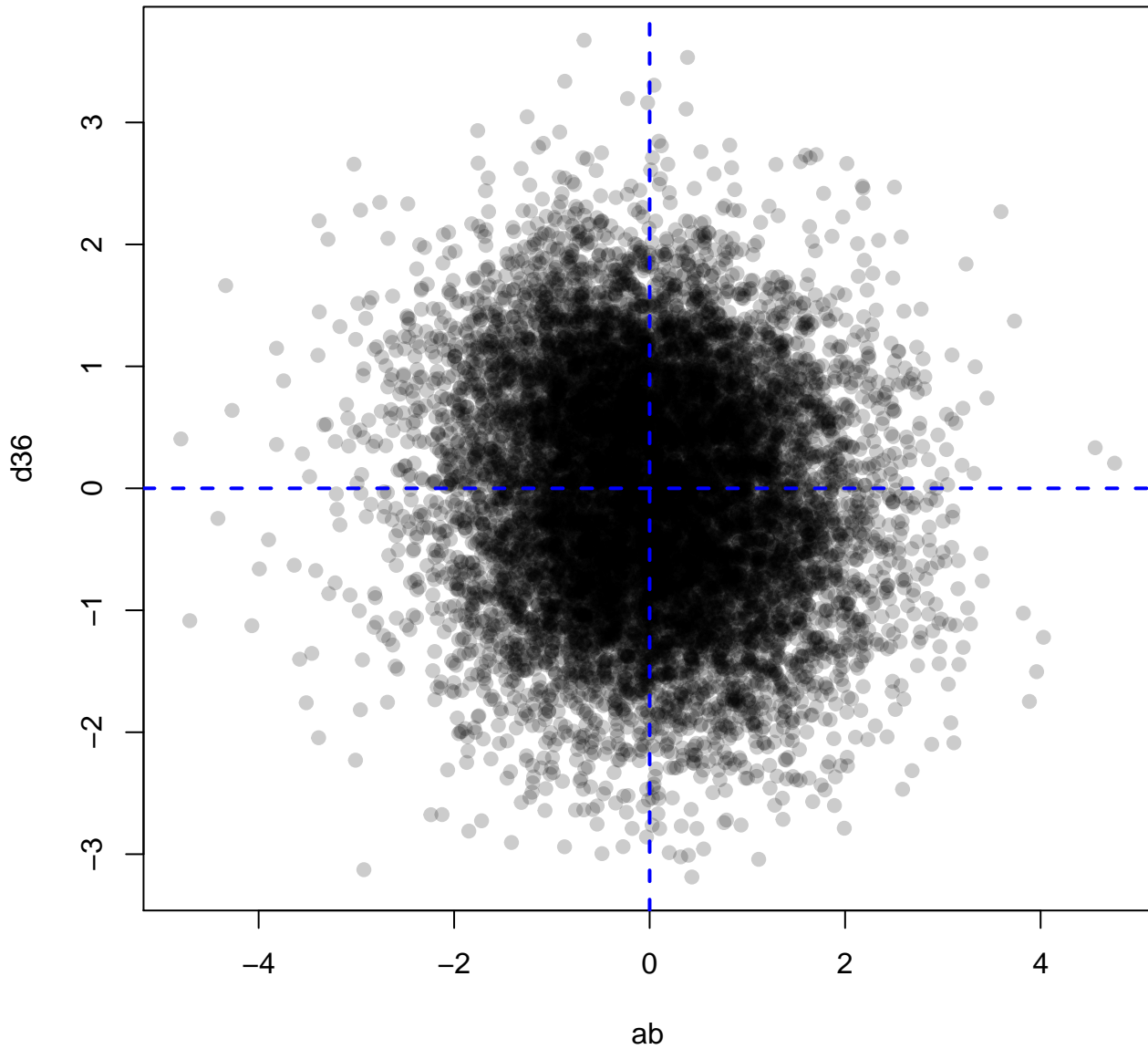
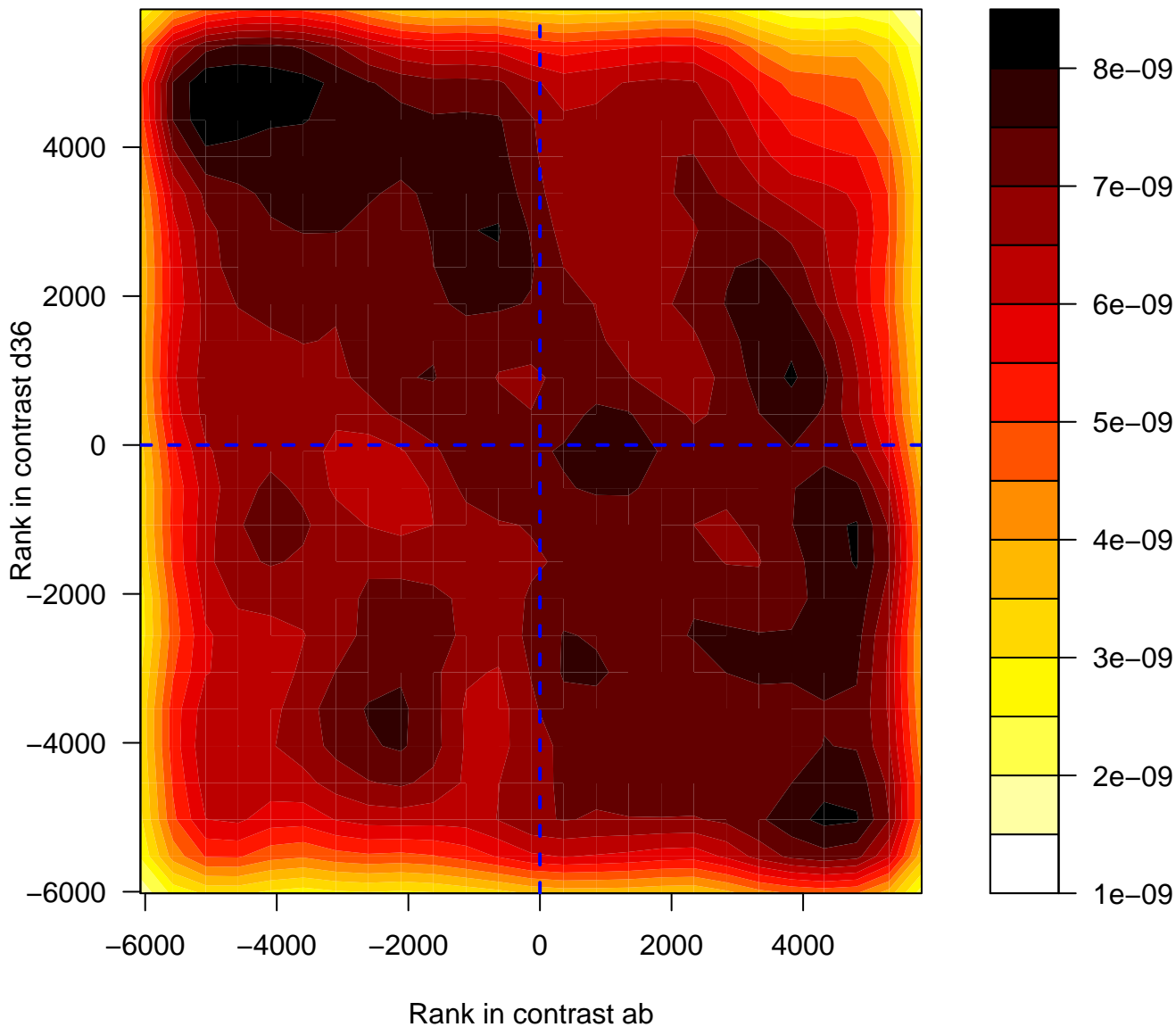


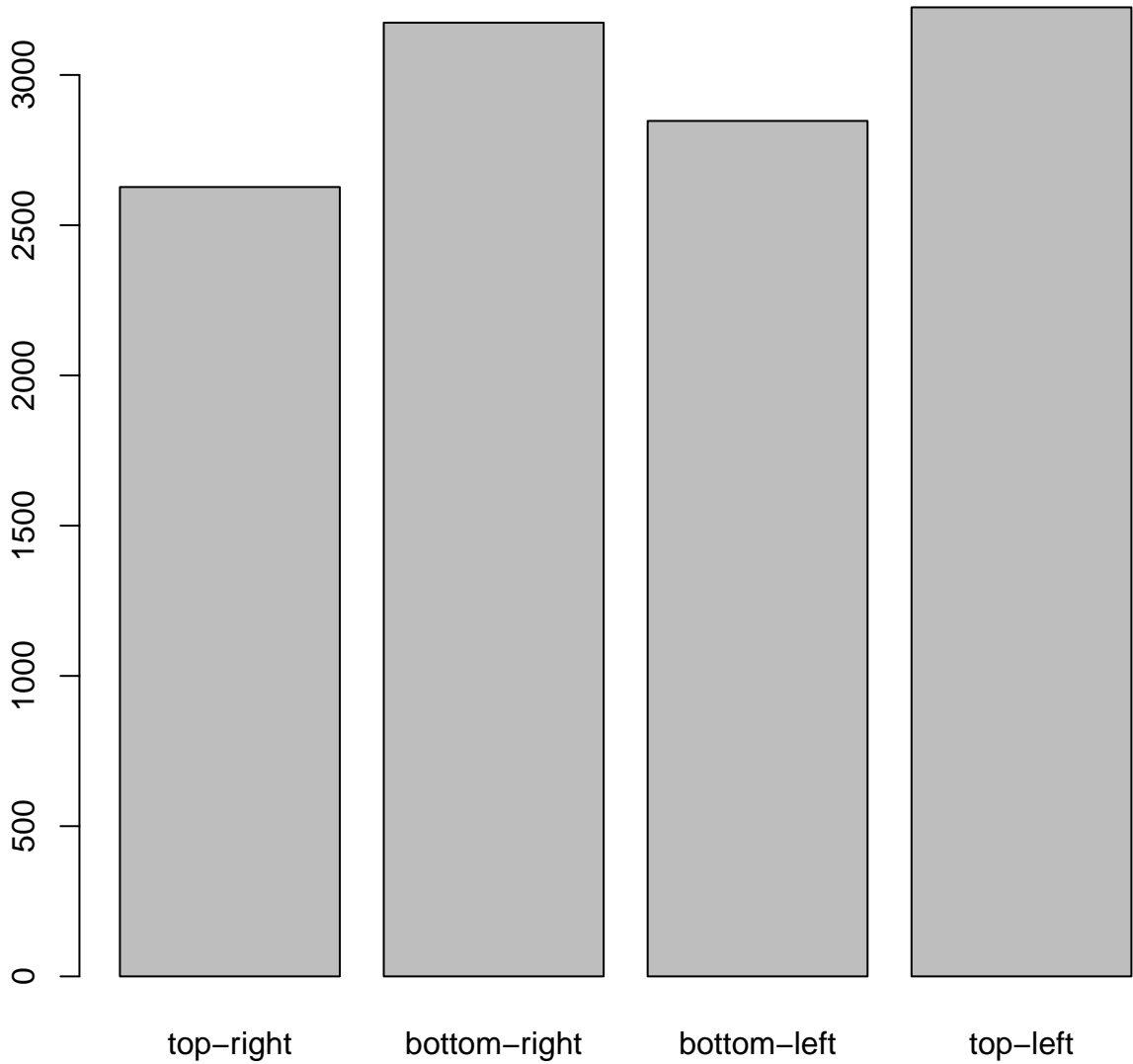
Scatterplot of all genes



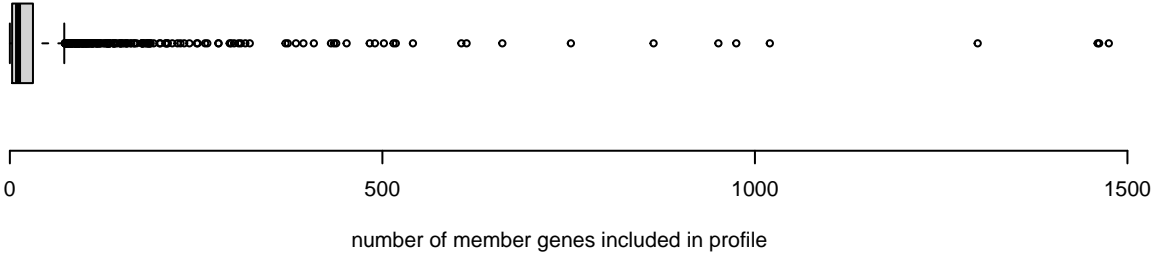
# Rank-rank plot of all genes



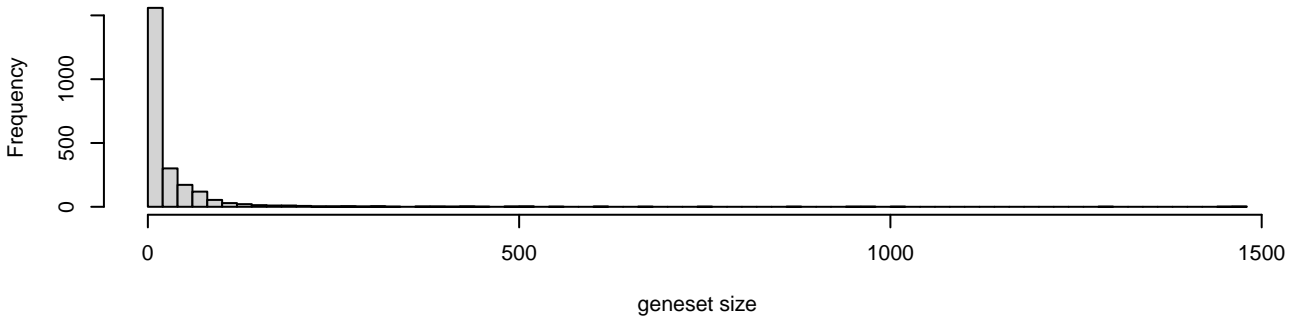
## number of genes in each quadrant



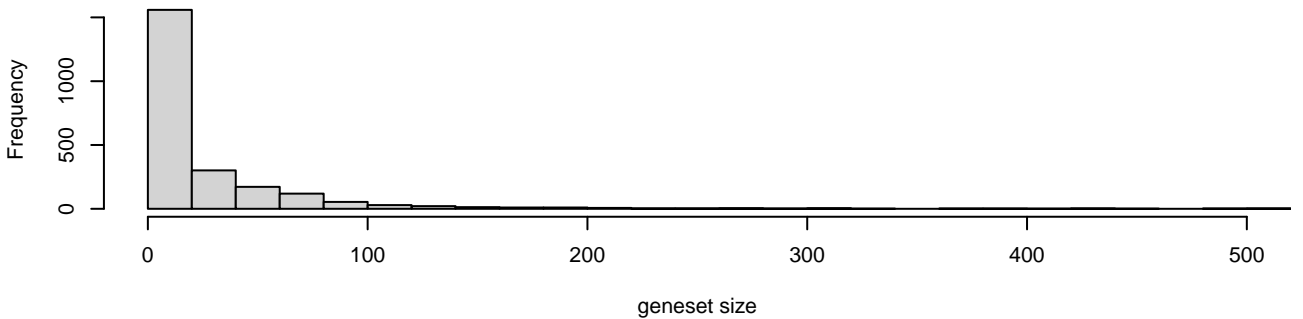
### Gene set size



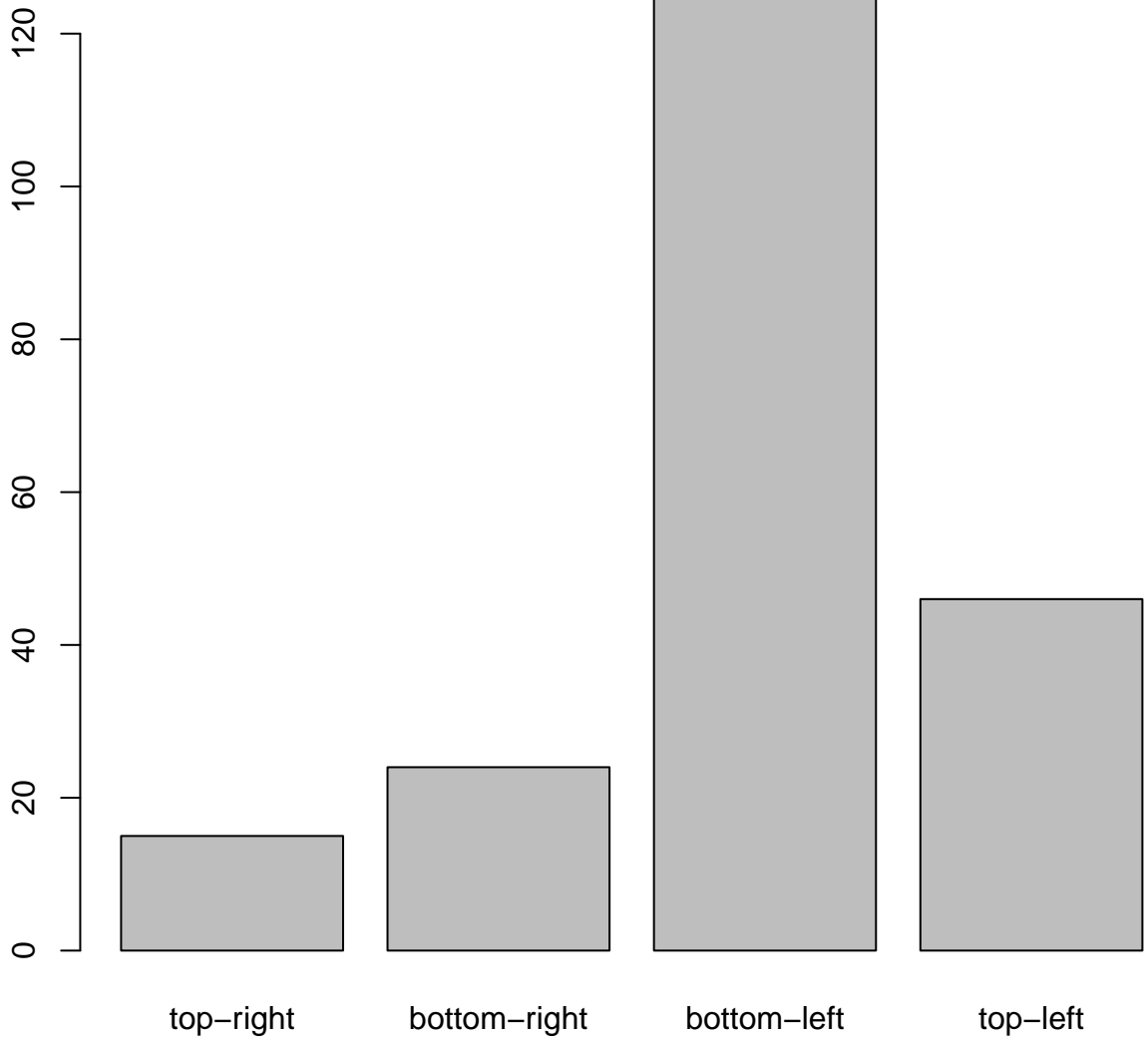
### Histogram of geneset size



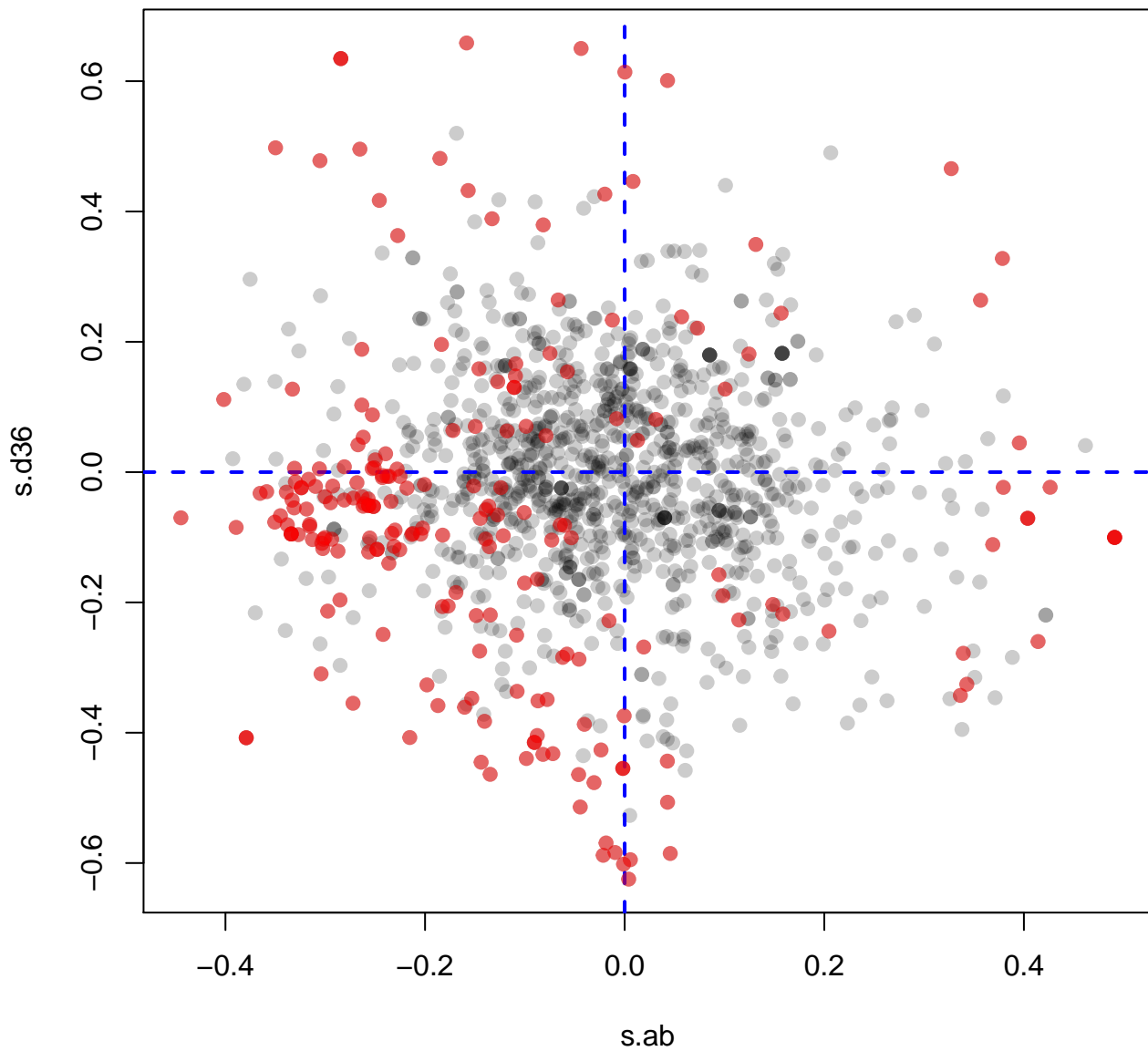
### Trimmed histogram of geneset size



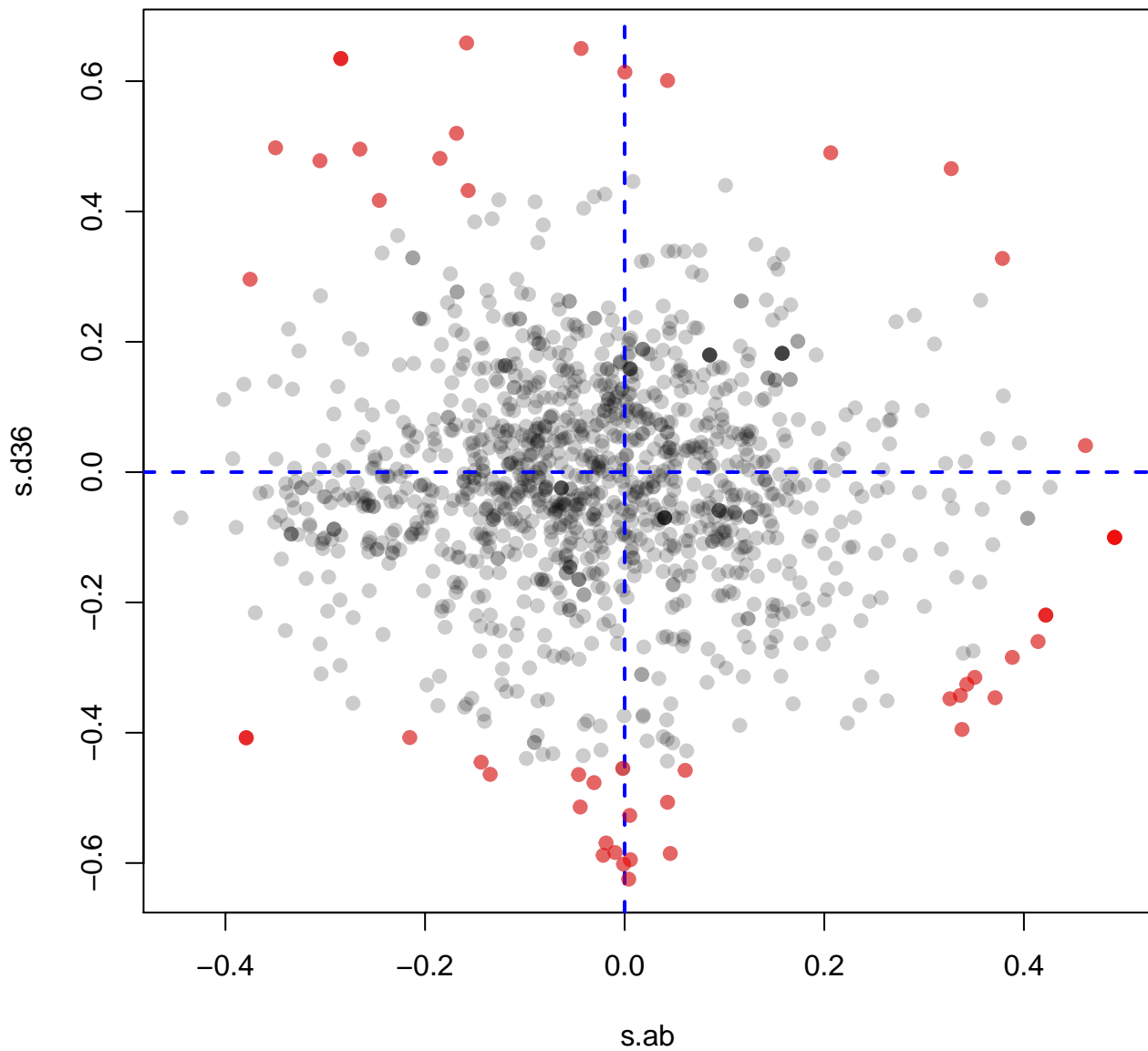
# number of genesets FDR<0.05



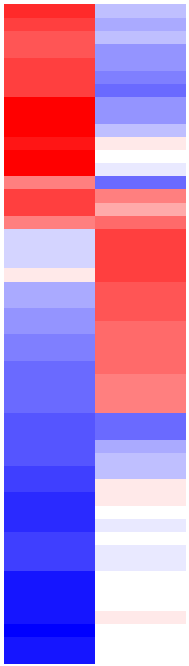
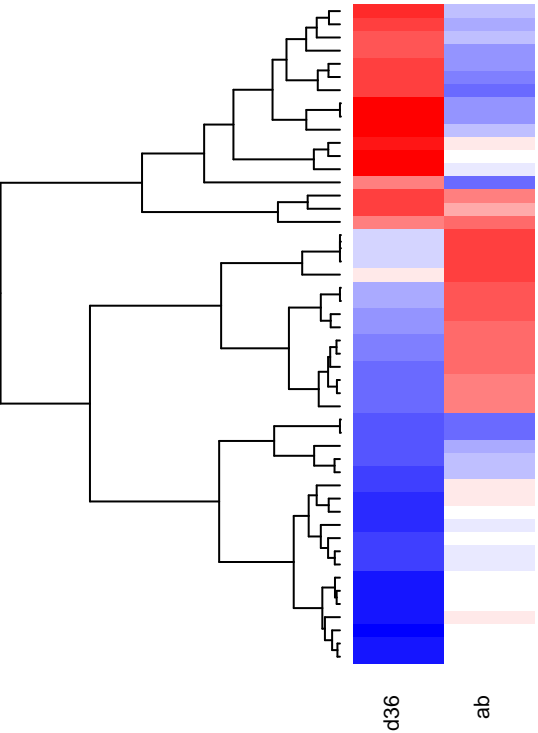
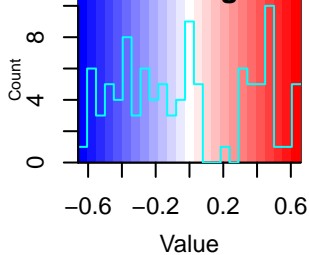
Scatterplot of all gene sets; FDR<0.05 in red



Scatterplot of all gene sets; top 50 in red



# Color Key and Histogram



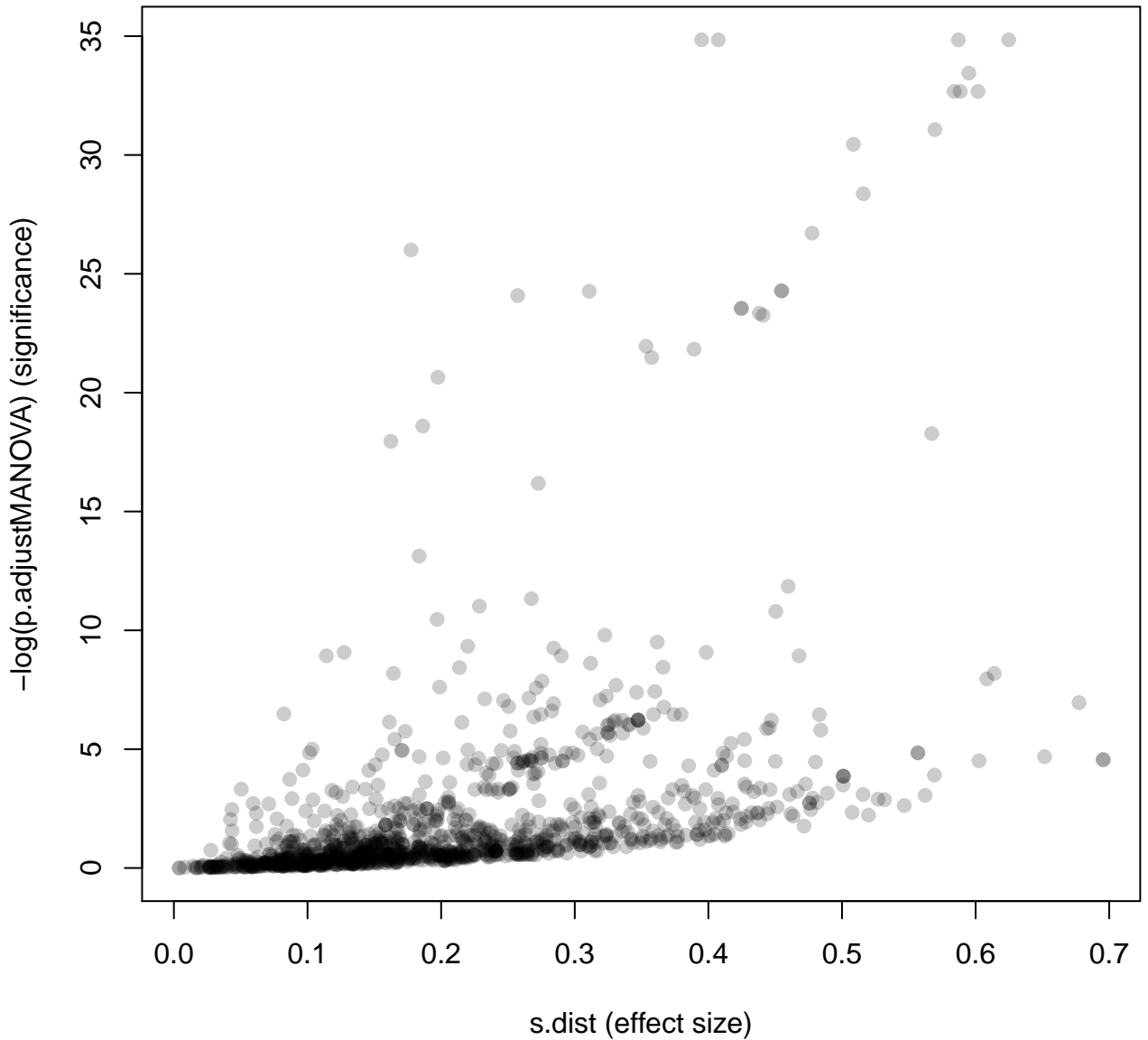
- Voltage-gated-Potassium-channels
- Pyruvate-metabolism
- Pyruvate-metabolism-and-Citric-Acid-(TCA)-cycle
- PI-3K-cascade:FGFR4
- Regulation-of-pyruvate-dehydrogenase-(PDH)-complex
- Branched-chain-amino-acid-catabolism
- Interleukin-7-signaling
- Prolactin-receptor-signaling
- G-protein-gated-Potassium-channels
- Inhibition--of-voltage-gated-Ca2+-channels-via-Gbeta/gamma-subunits
- Presynaptic-function-of-Kainate-receptors
- G-protein-activation
- Synthesis-of-Prostaglandins-(PG)-and-Thromboxanes-(TX)
- G-beta:gamma-signalling-through-BTK
- G-beta:gamma-signalling-through-CDC42
- Signaling-by-NOTCH1-HD-Domain-Mutants-in-Cancer
- Scavenging-by-Class-A-Receptors
- Collagen-chain-trimerization
- SRP-dependent-cotranslational-protein-targeting-to-membrane
- Formation-of-a-pool-of-free-40S-subunits
- Selenoamino-acid-metabolism
- Nonsense-Mediated-Decay-(NMD)-independent-of-the-Exon-Junction-Comp
- Eukaryotic-Translation-Termination
- Peptide-chain-elongation
- Viral-mRNA-Translation

d36

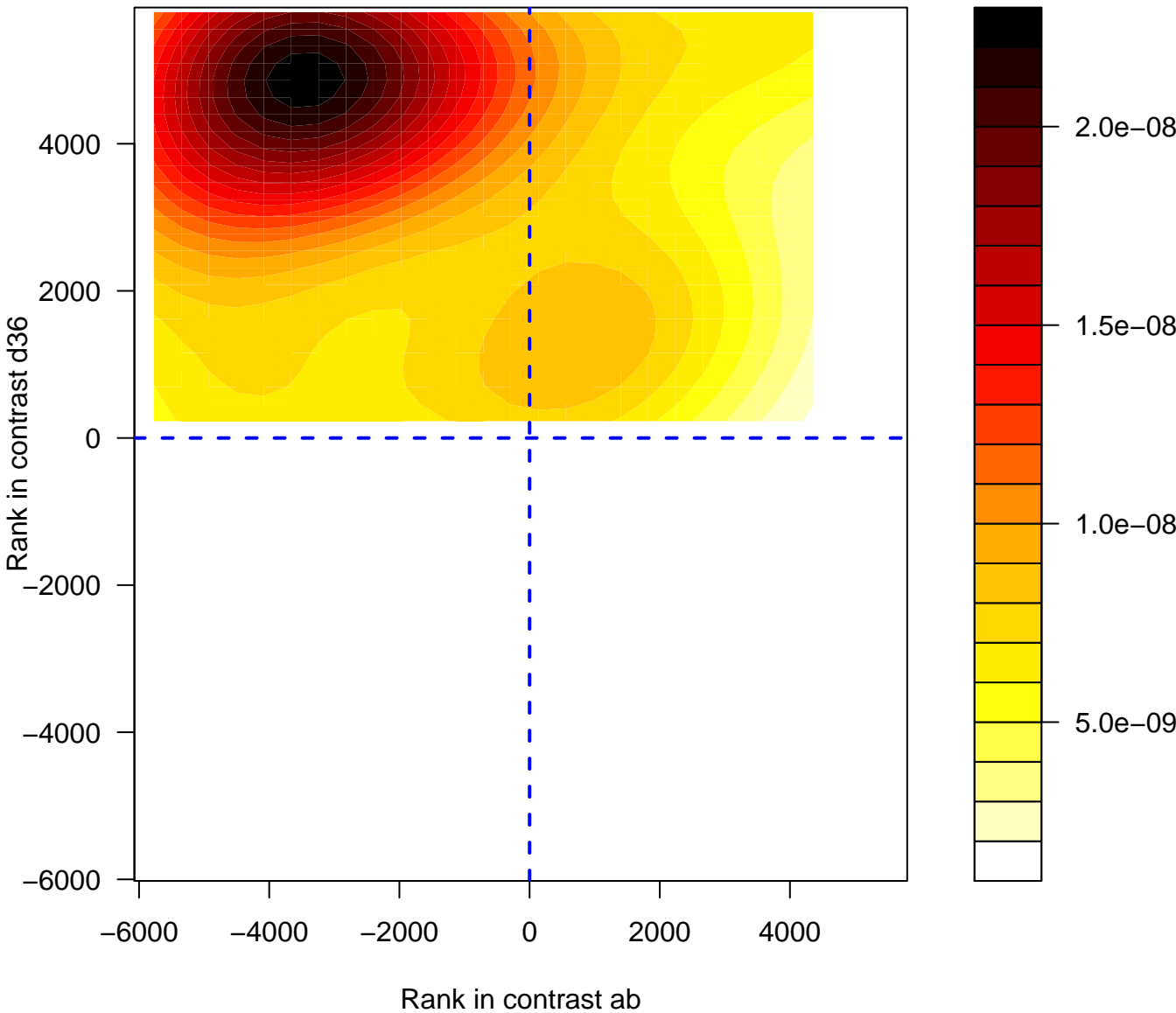
ab



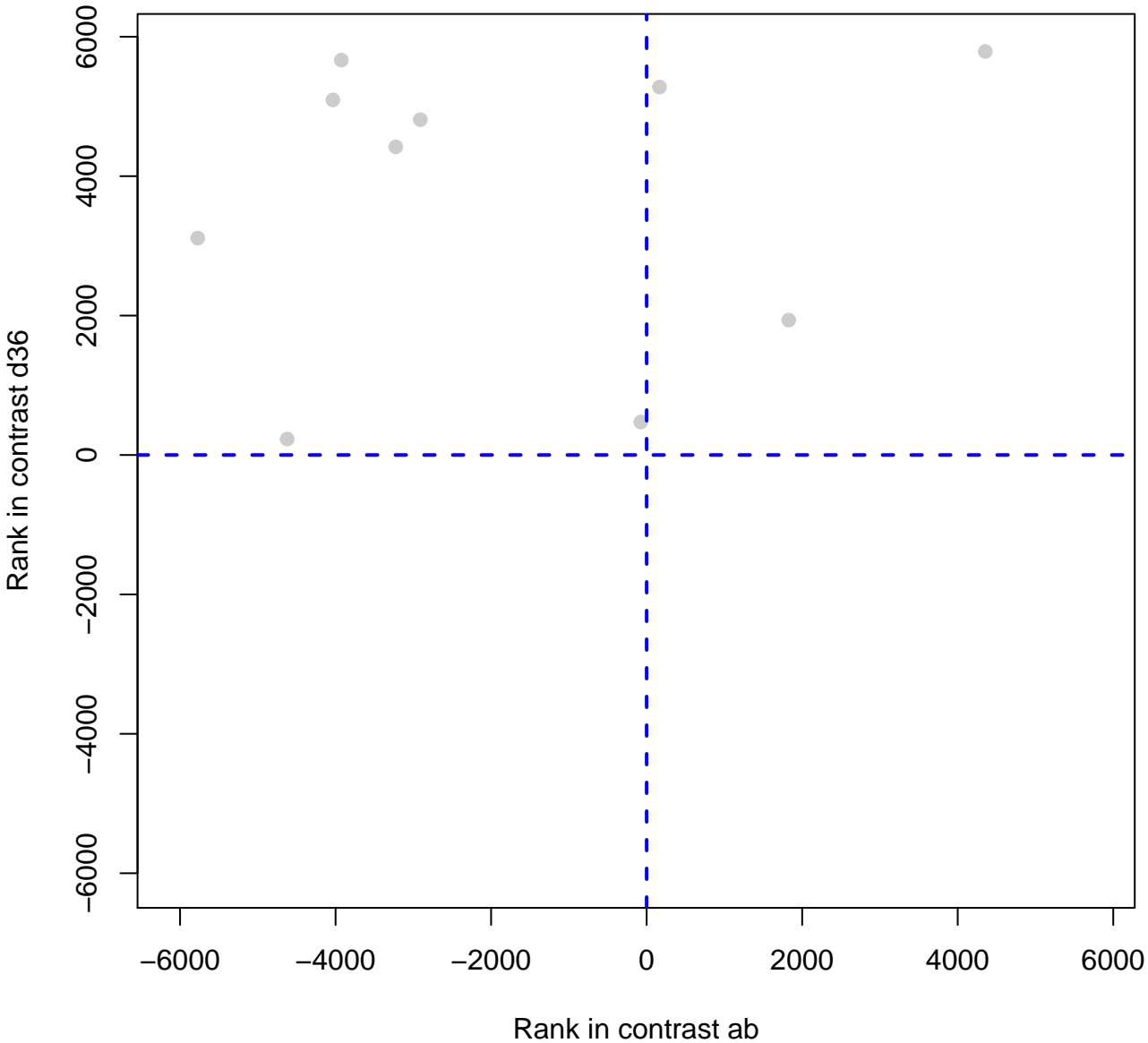
# effect size versus statistical significance



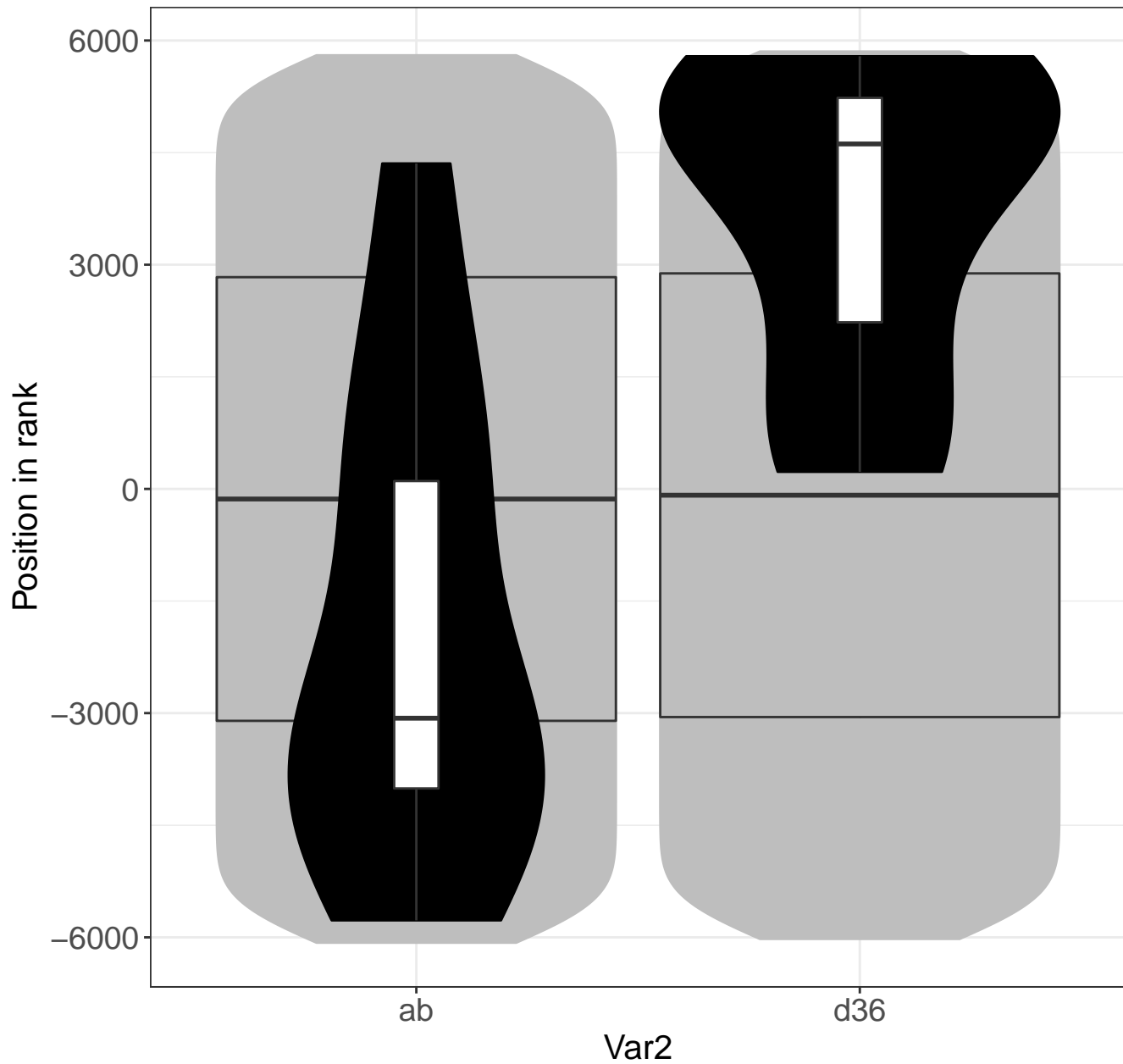
# PI-3K-cascade:FGFR2



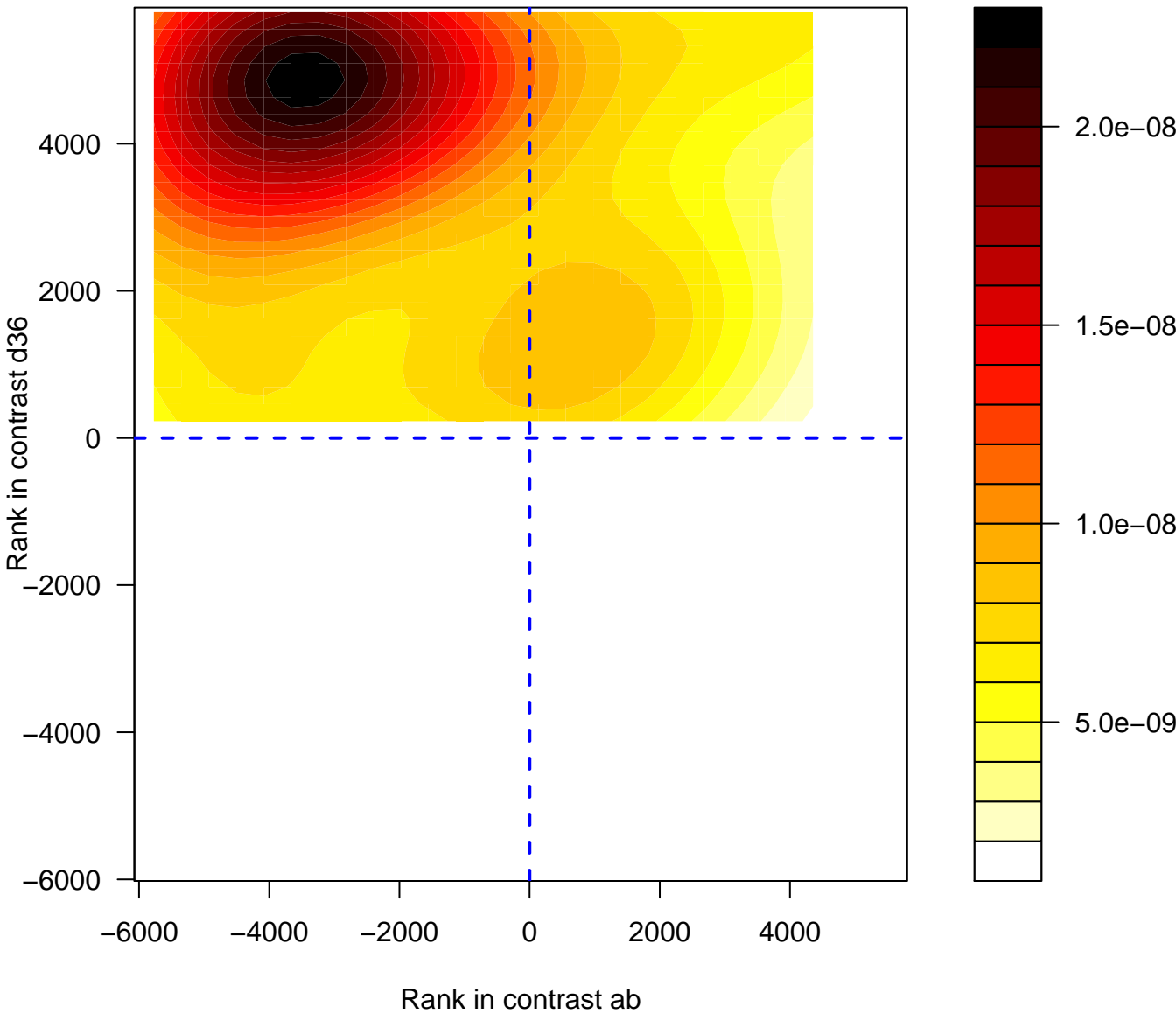
# PI-3K-cascade:FGFR2



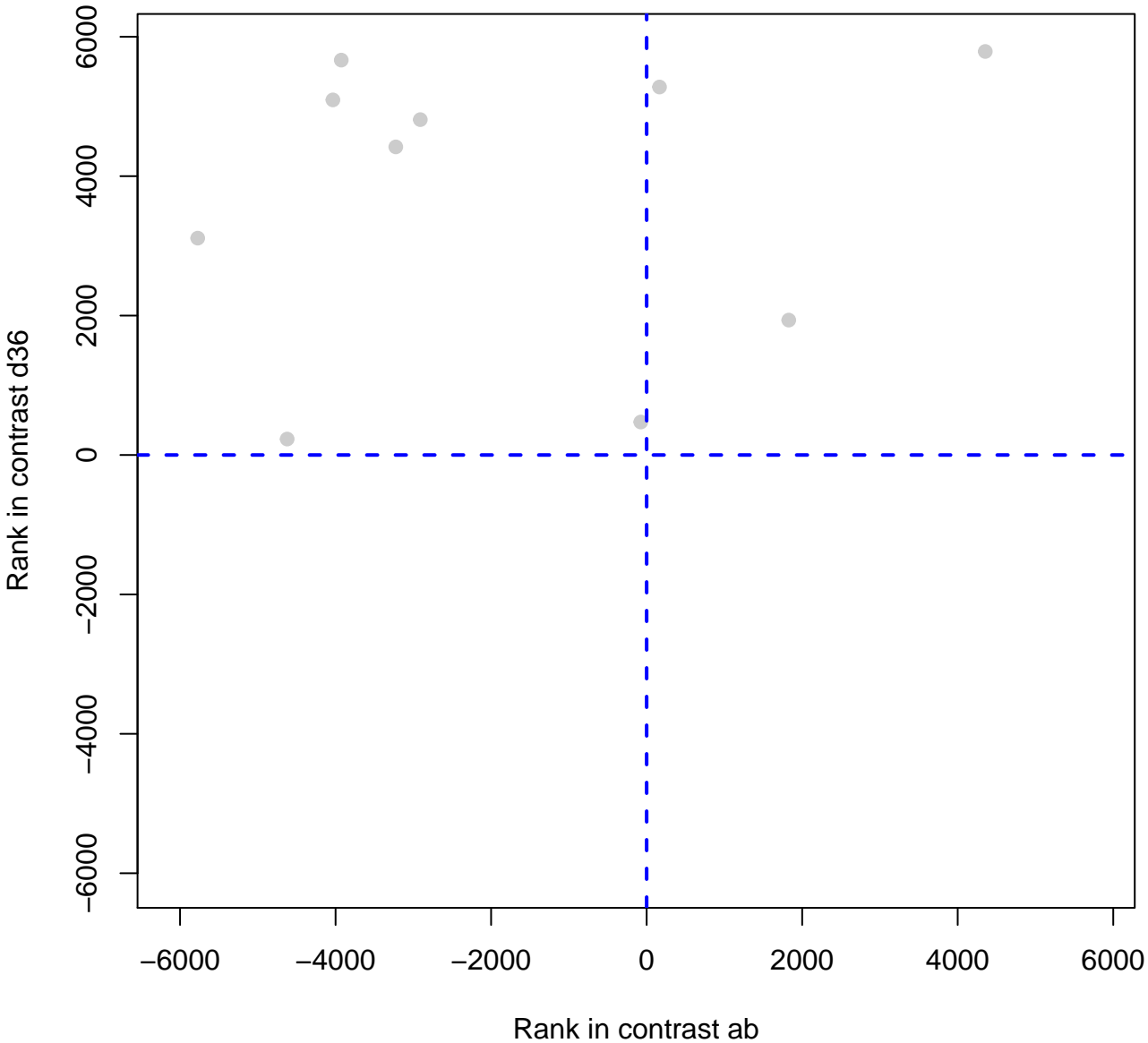
# PI-3K-cascade:FGFR2



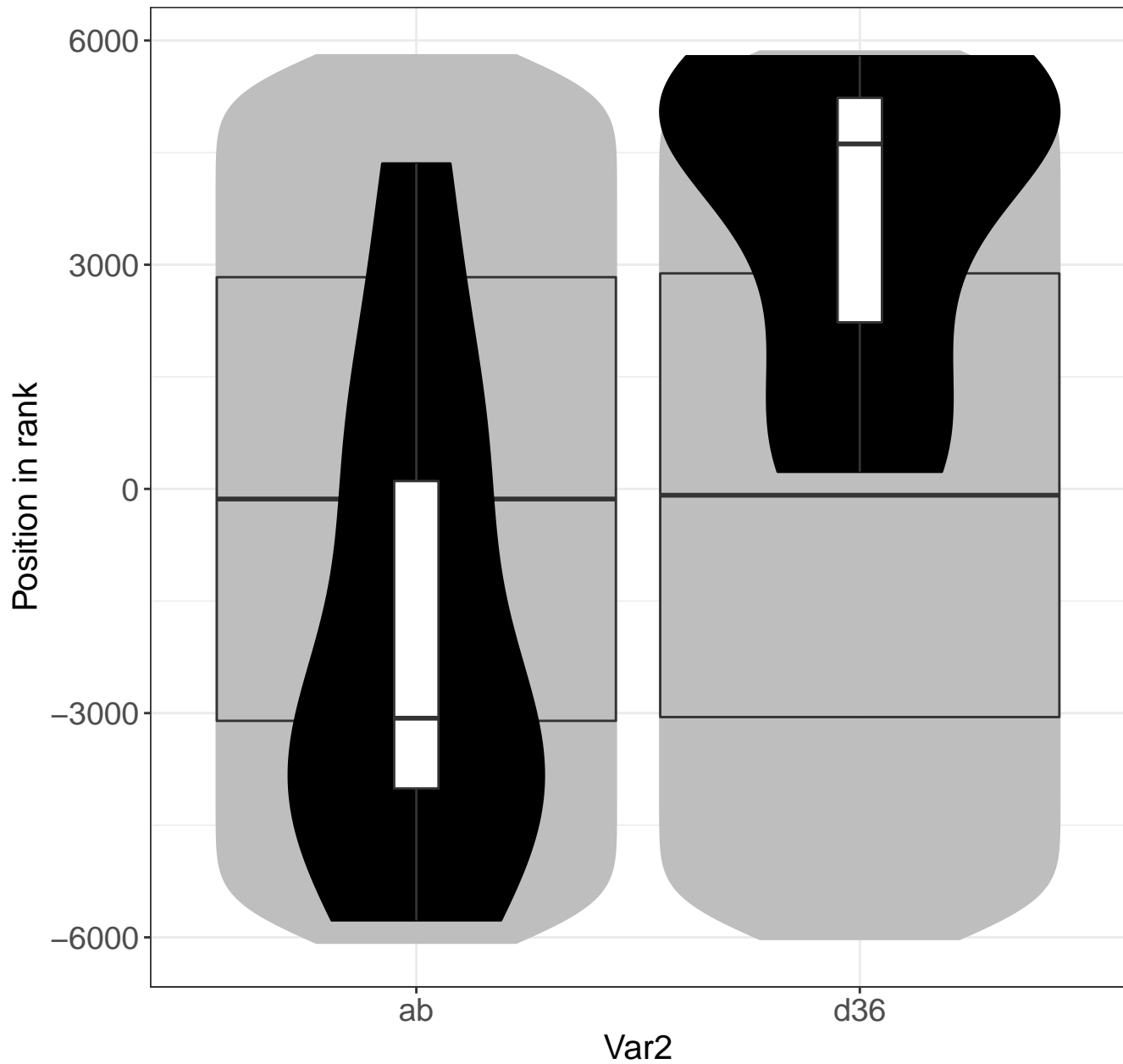
# PI-3K-cascade:FGFR4



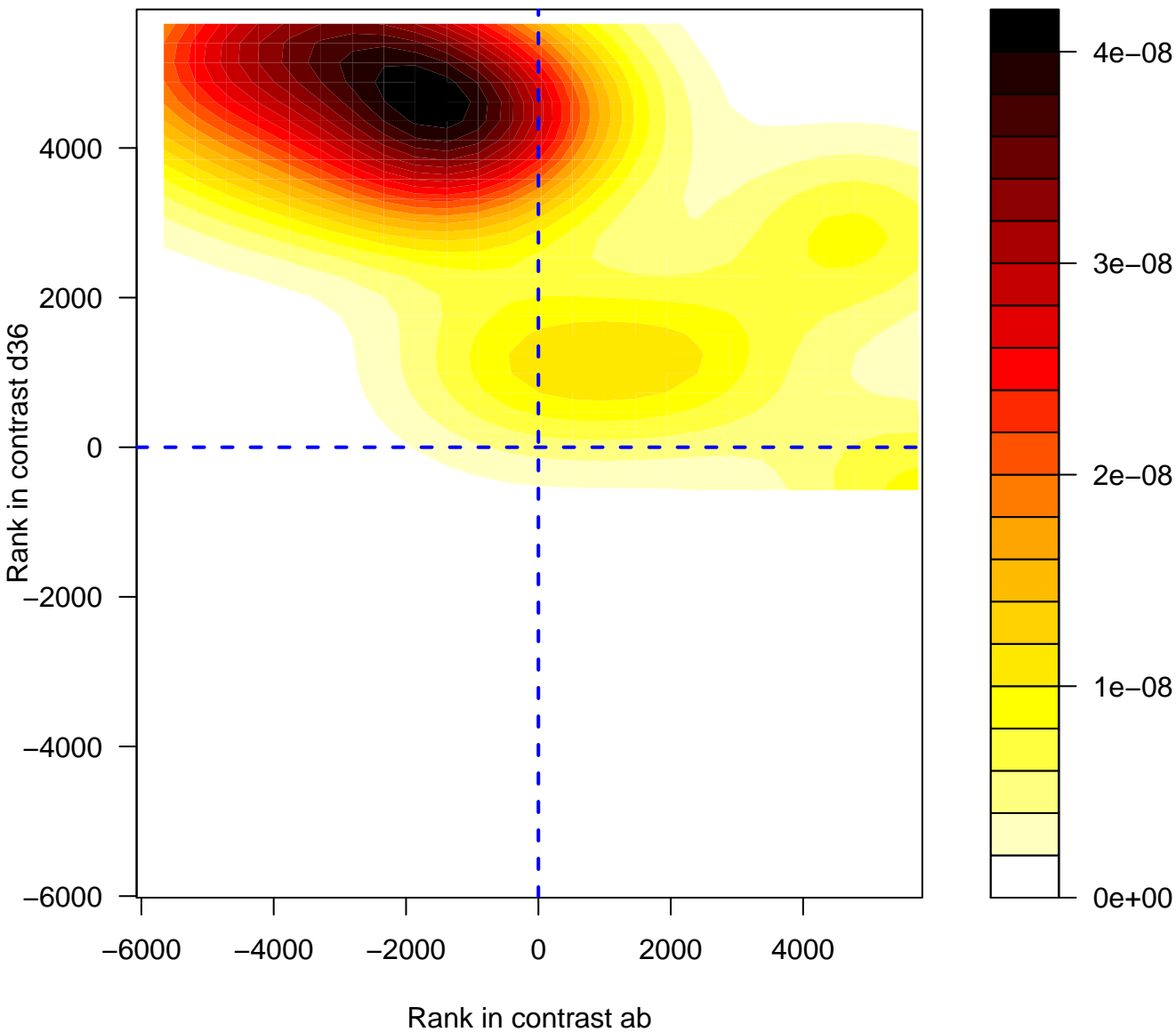
# PI-3K-cascade:FGFR4



# PI-3K-cascade:FGFR4

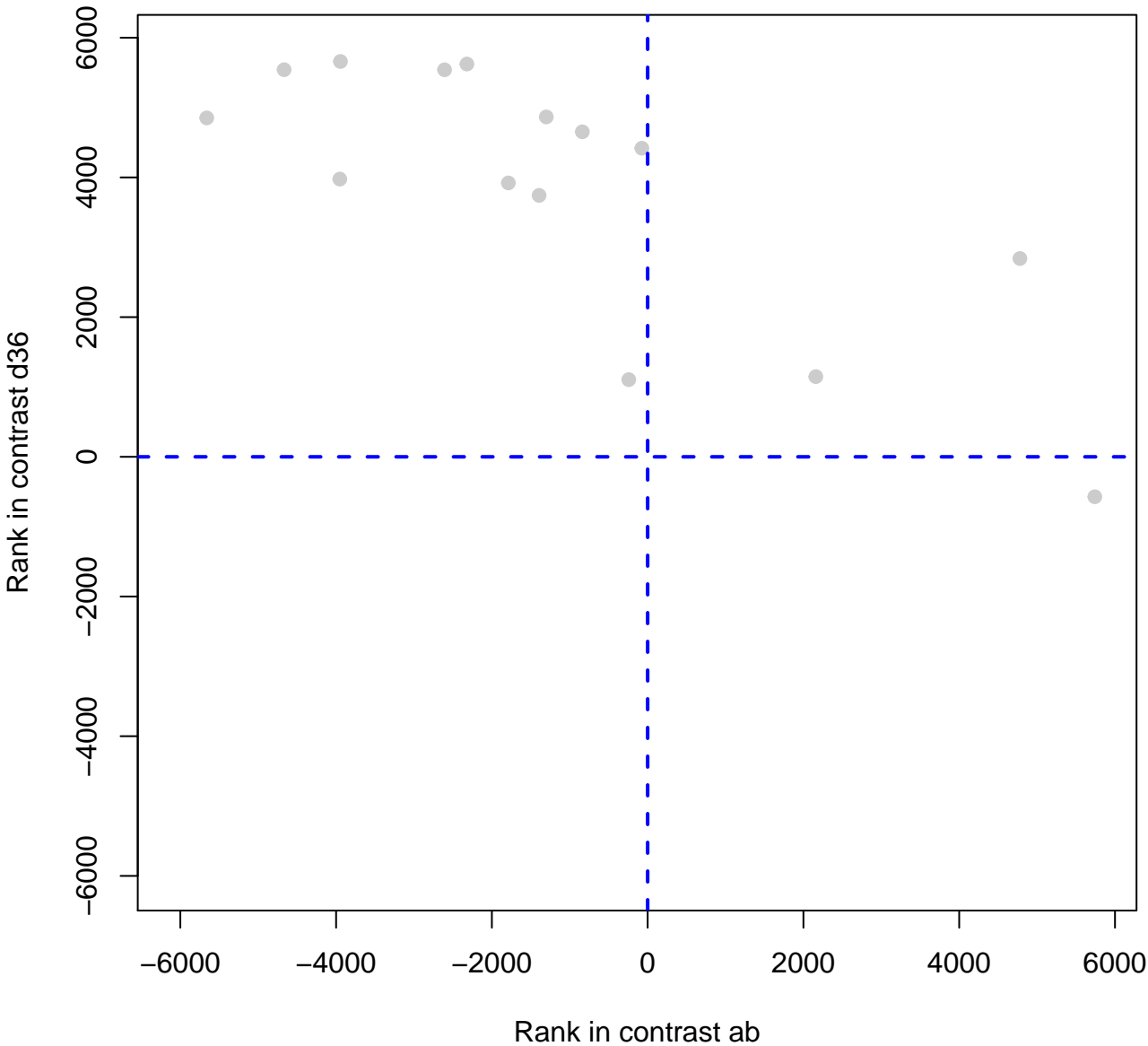


# Regulation-of-pyruvate-dehydrogenase-(PDH)-comple

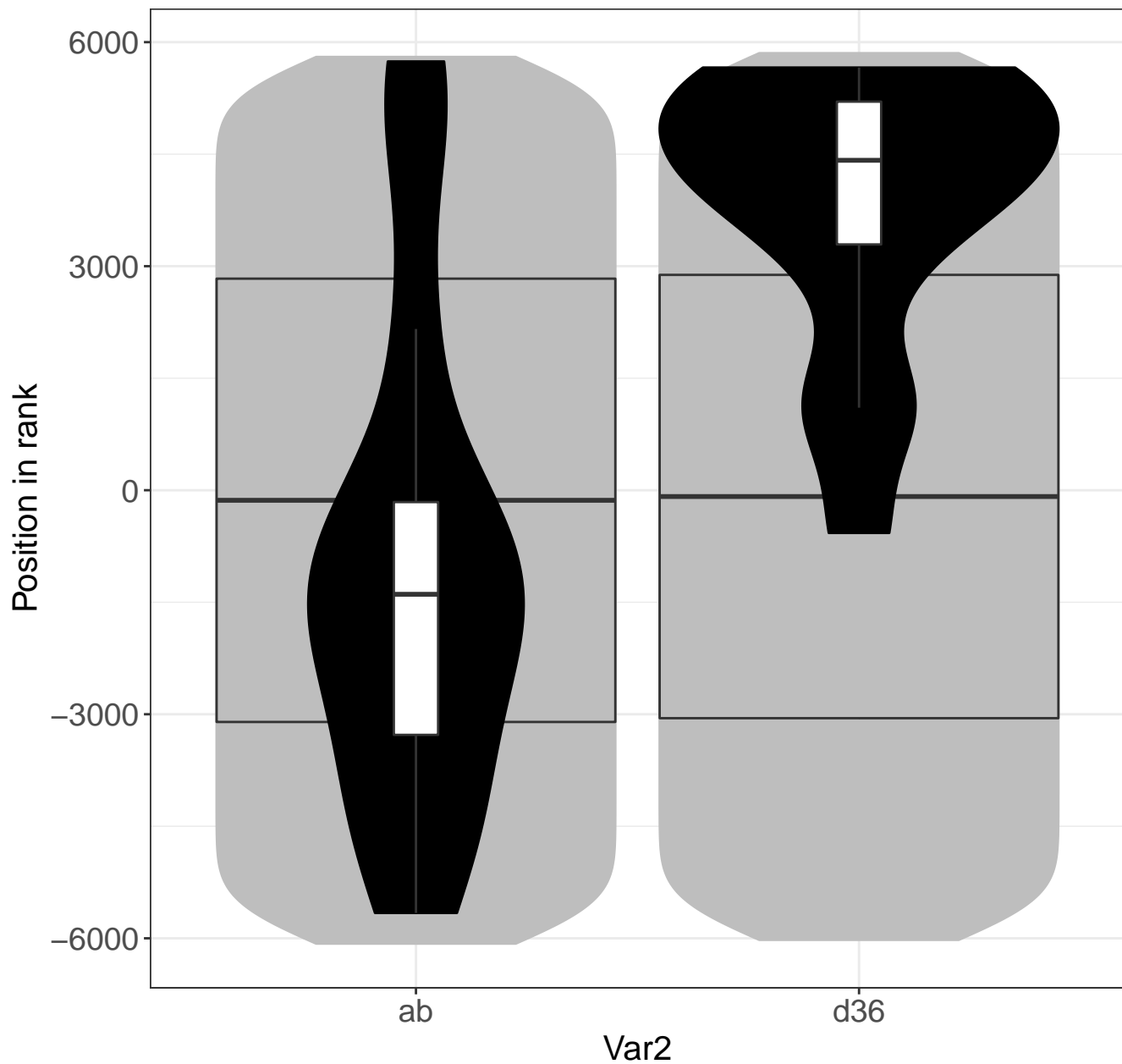




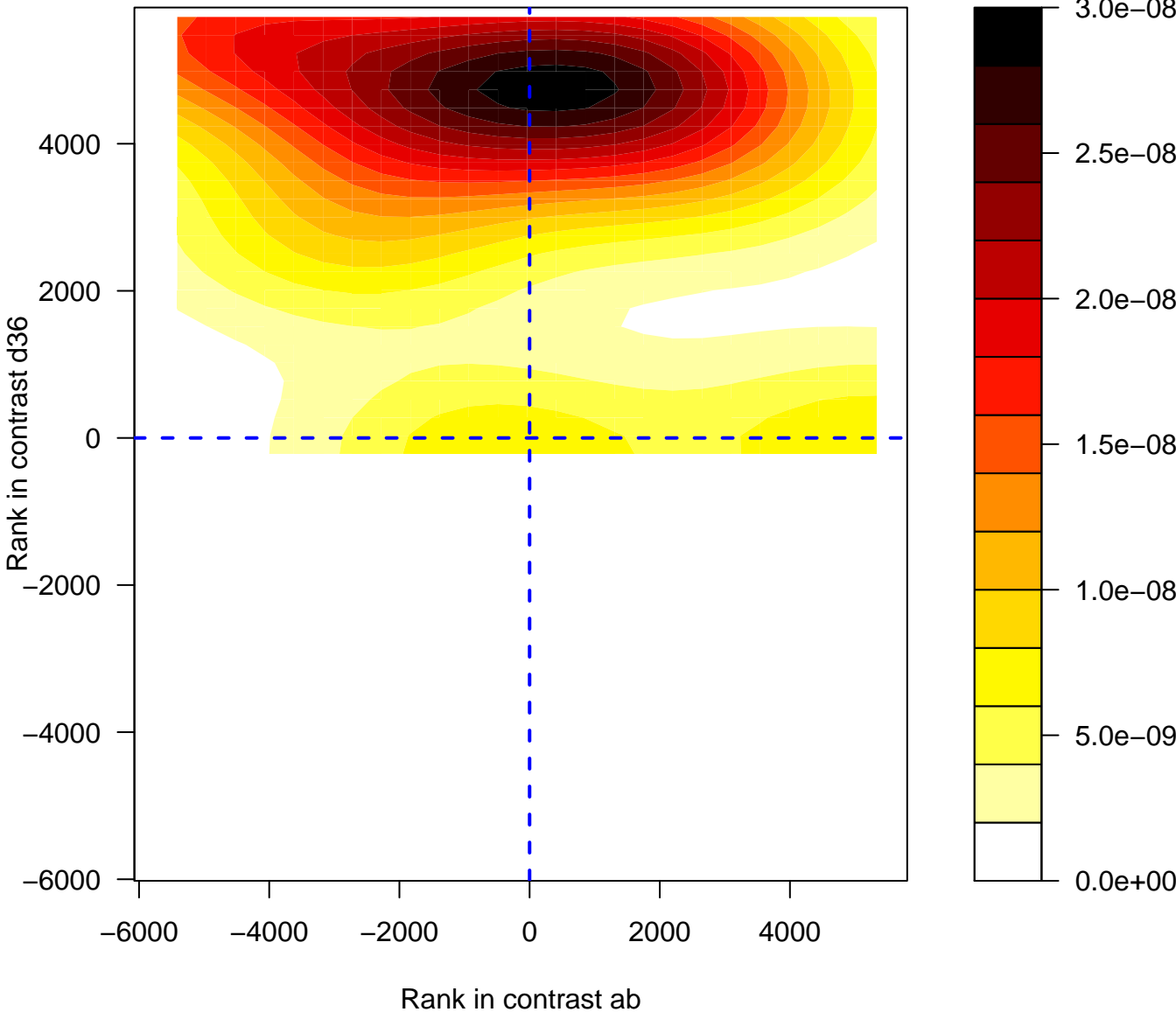
# Regulation-of-pyruvate-dehydrogenase-(PDH)-complex



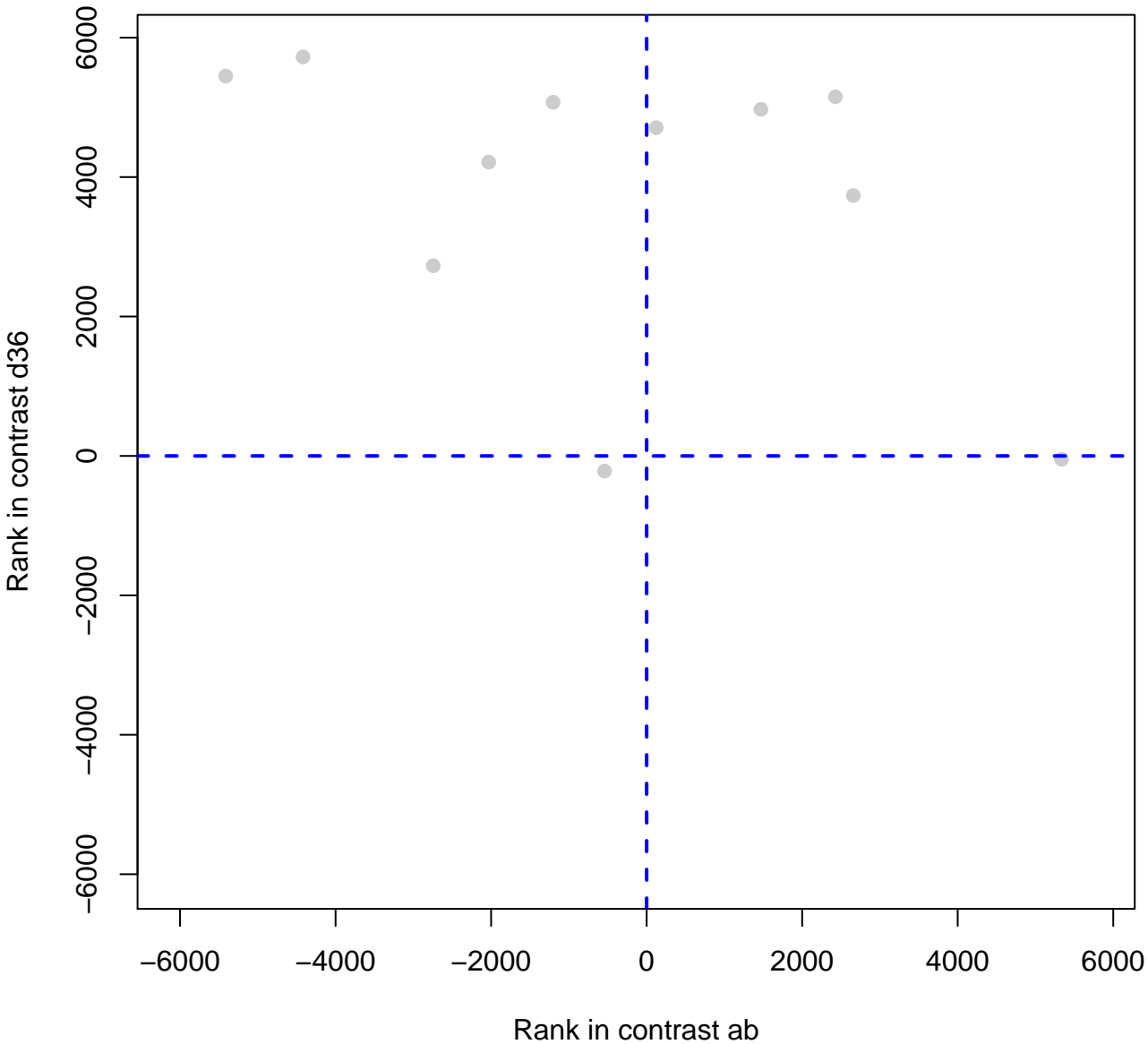
# Regulation-of-pyruvate-dehydrogenase-(PDH)-



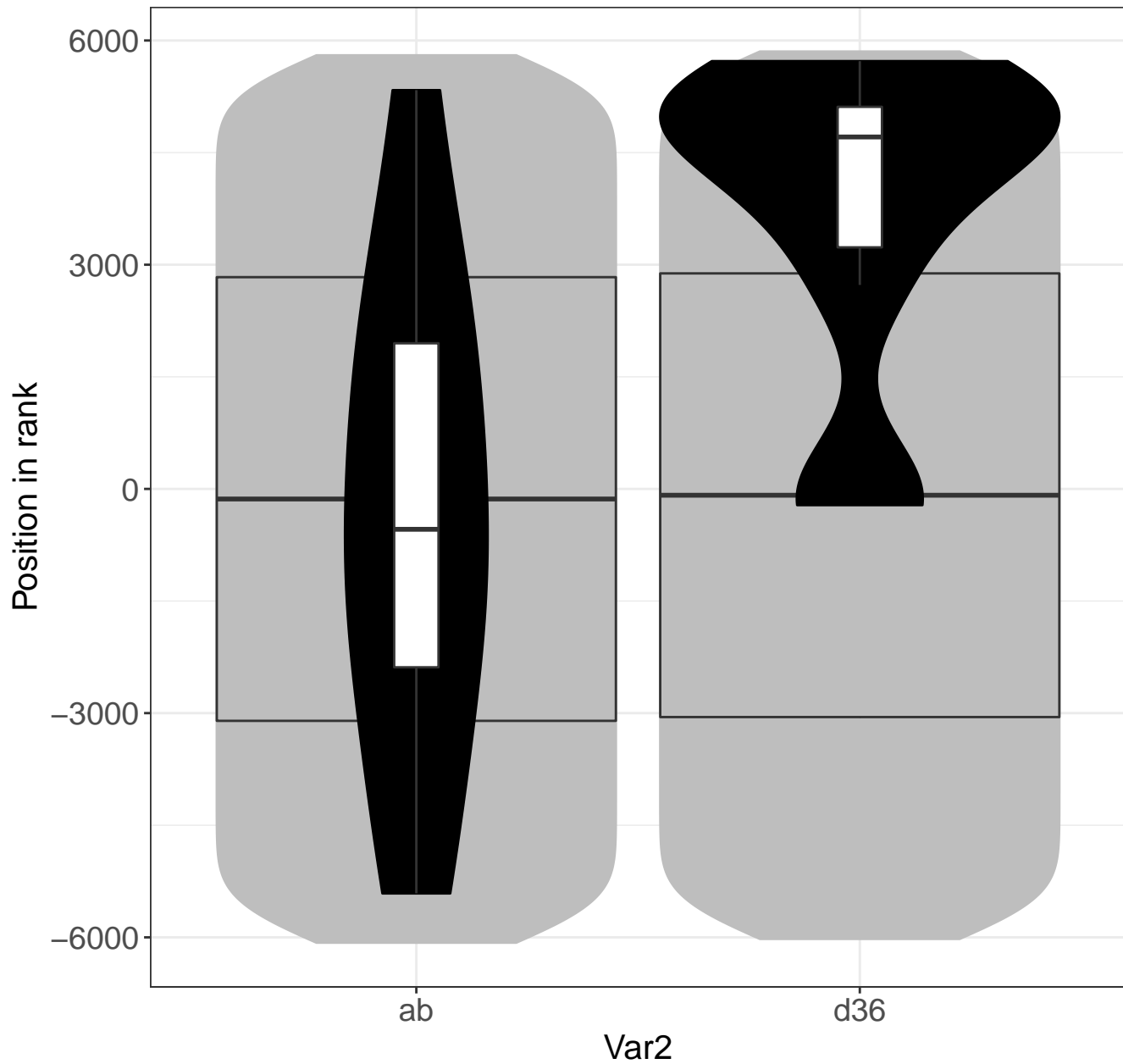
# Biotin-transport-and-metabolism



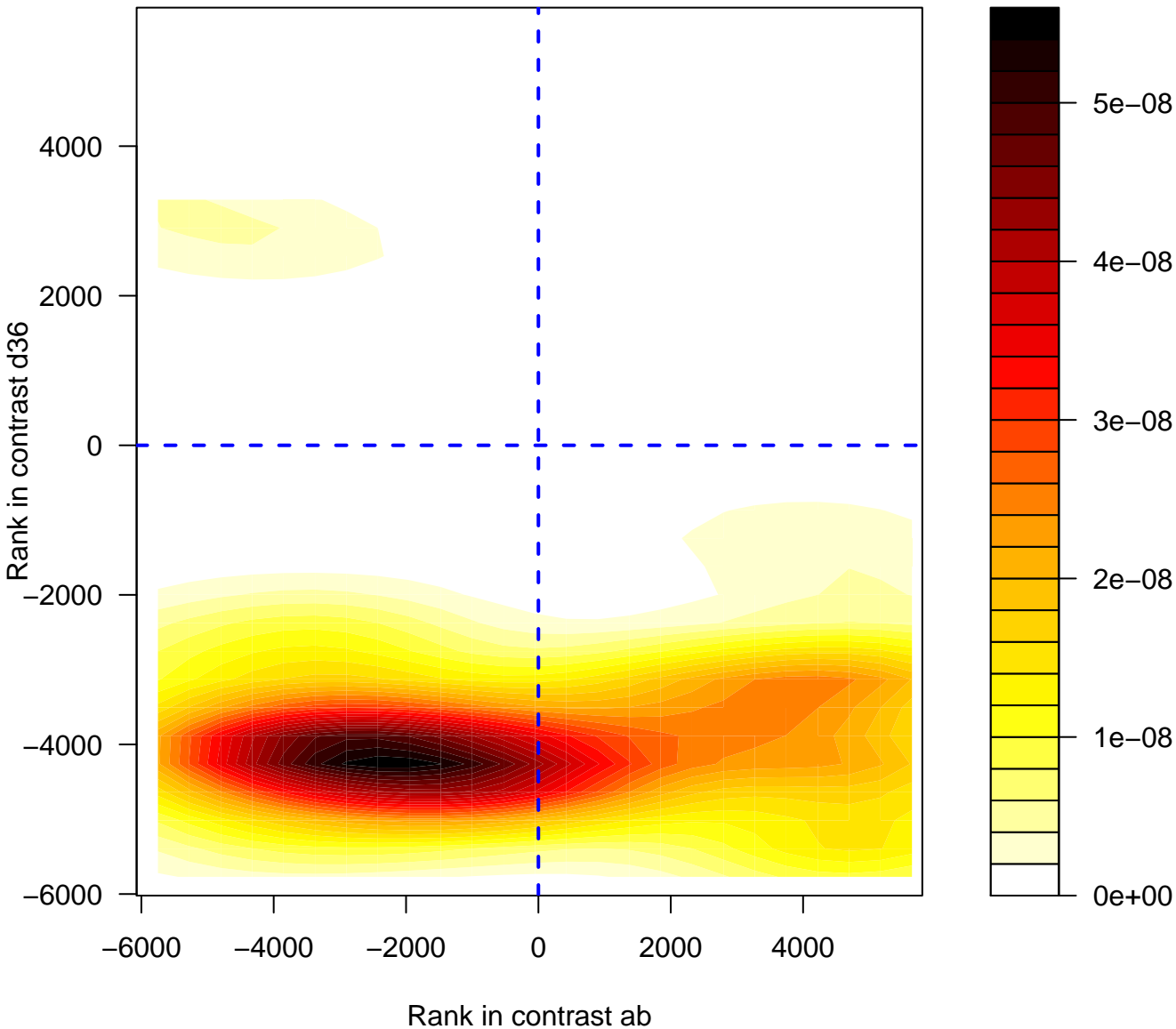
# Biotin-transport-and-metabolism



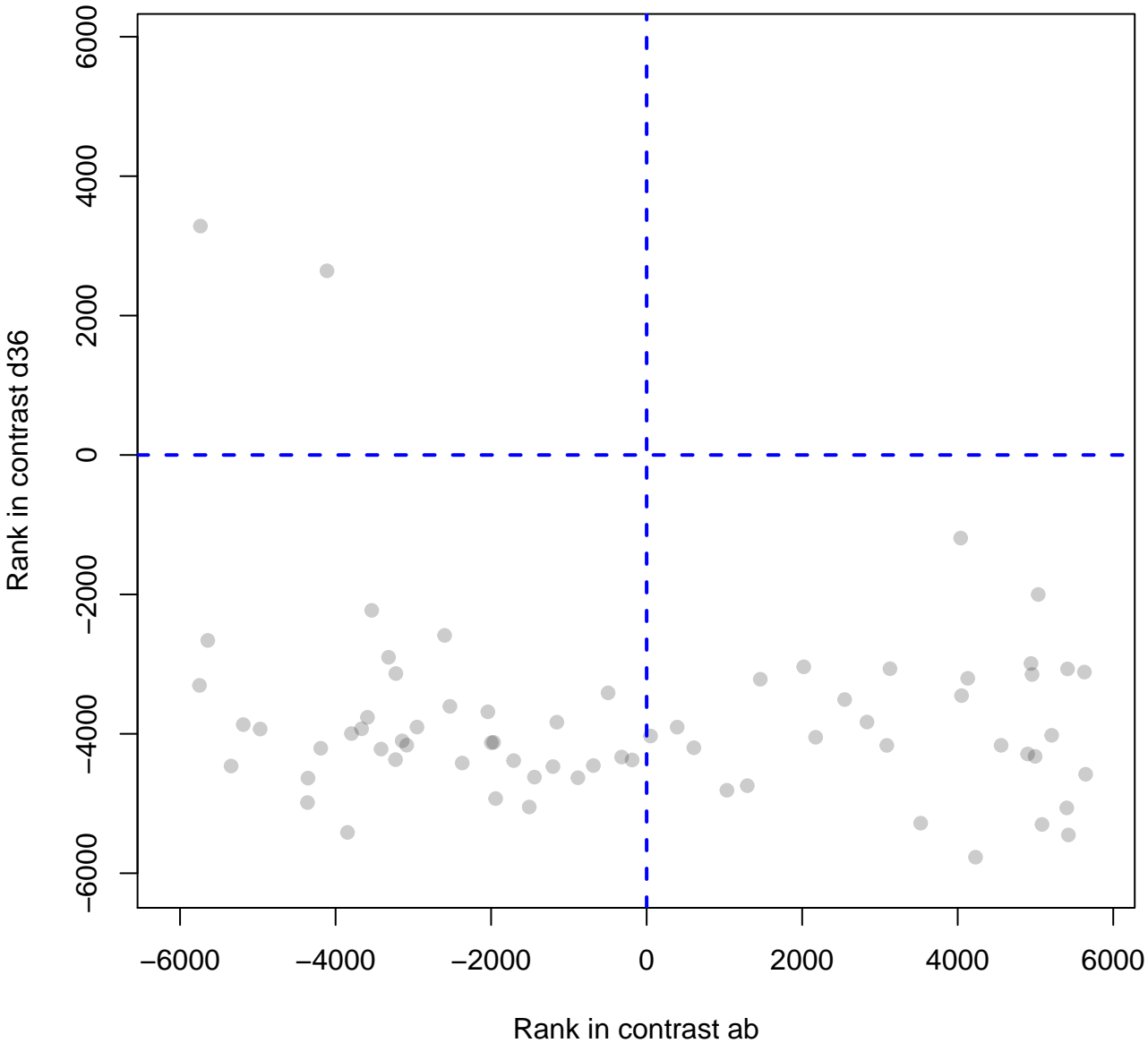
# Biotin-transport-and-metabolism



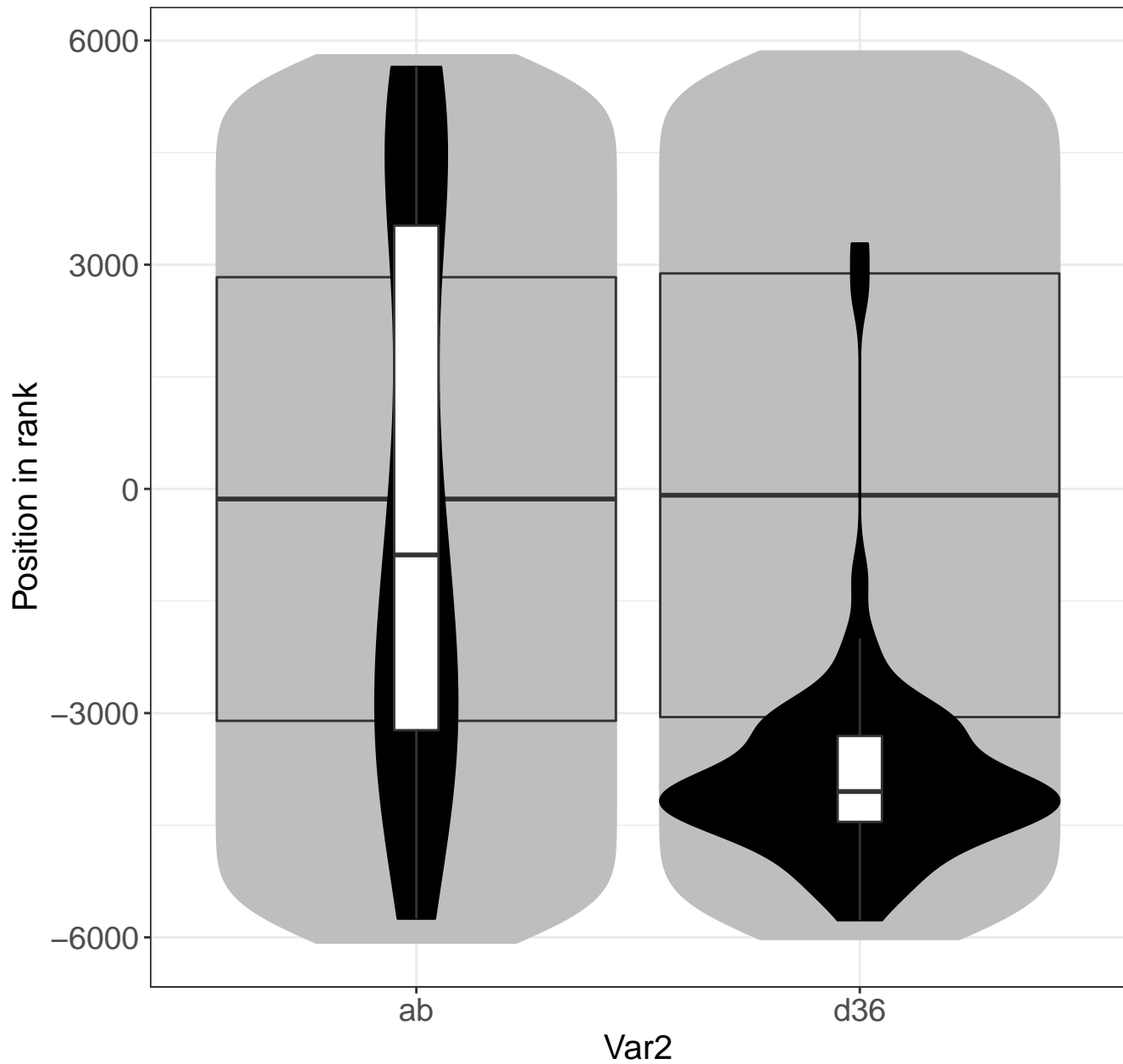
# Peptide-chain-elongation



# Peptide-chain-elongation

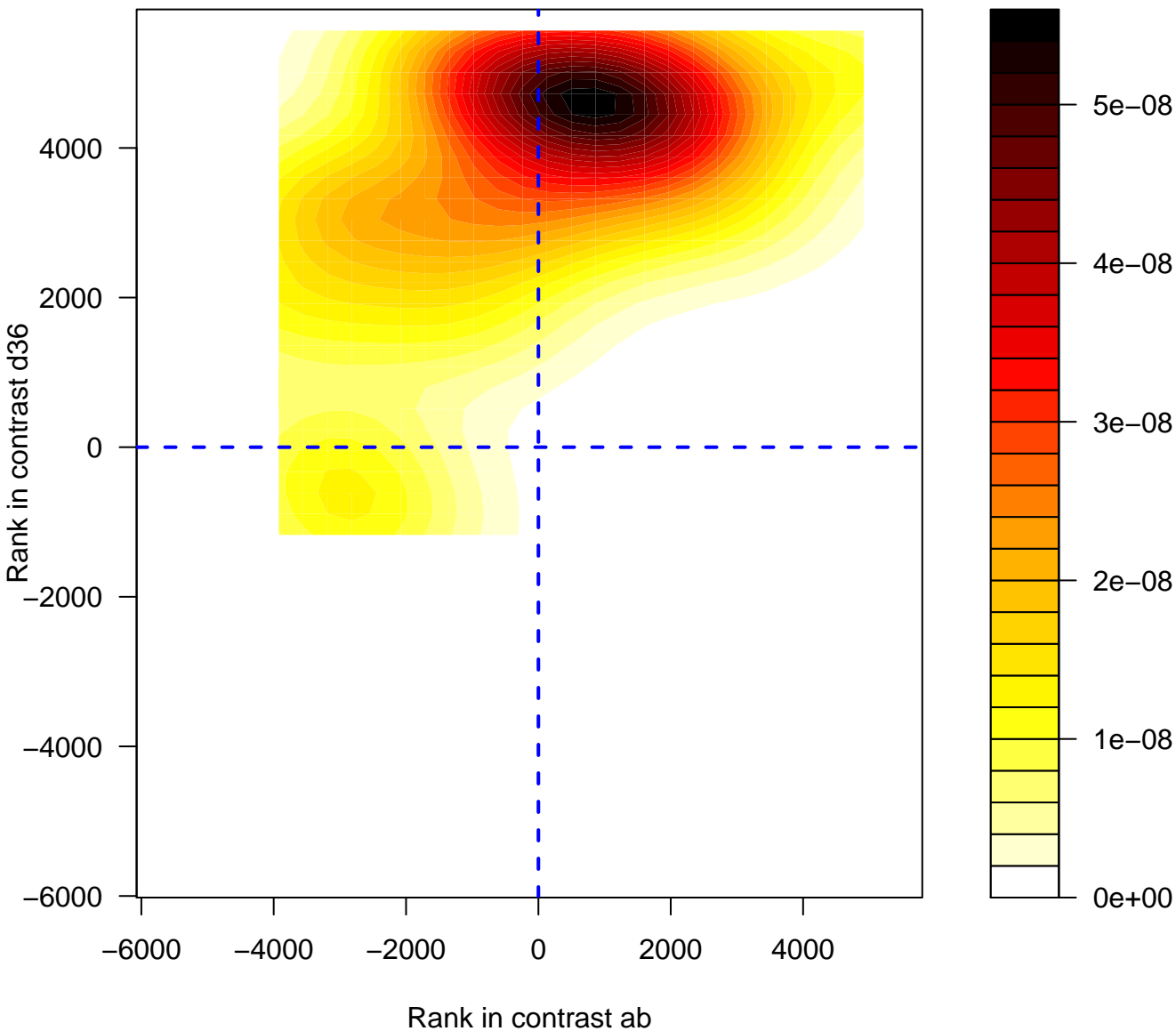


# Peptide-chain-elongation

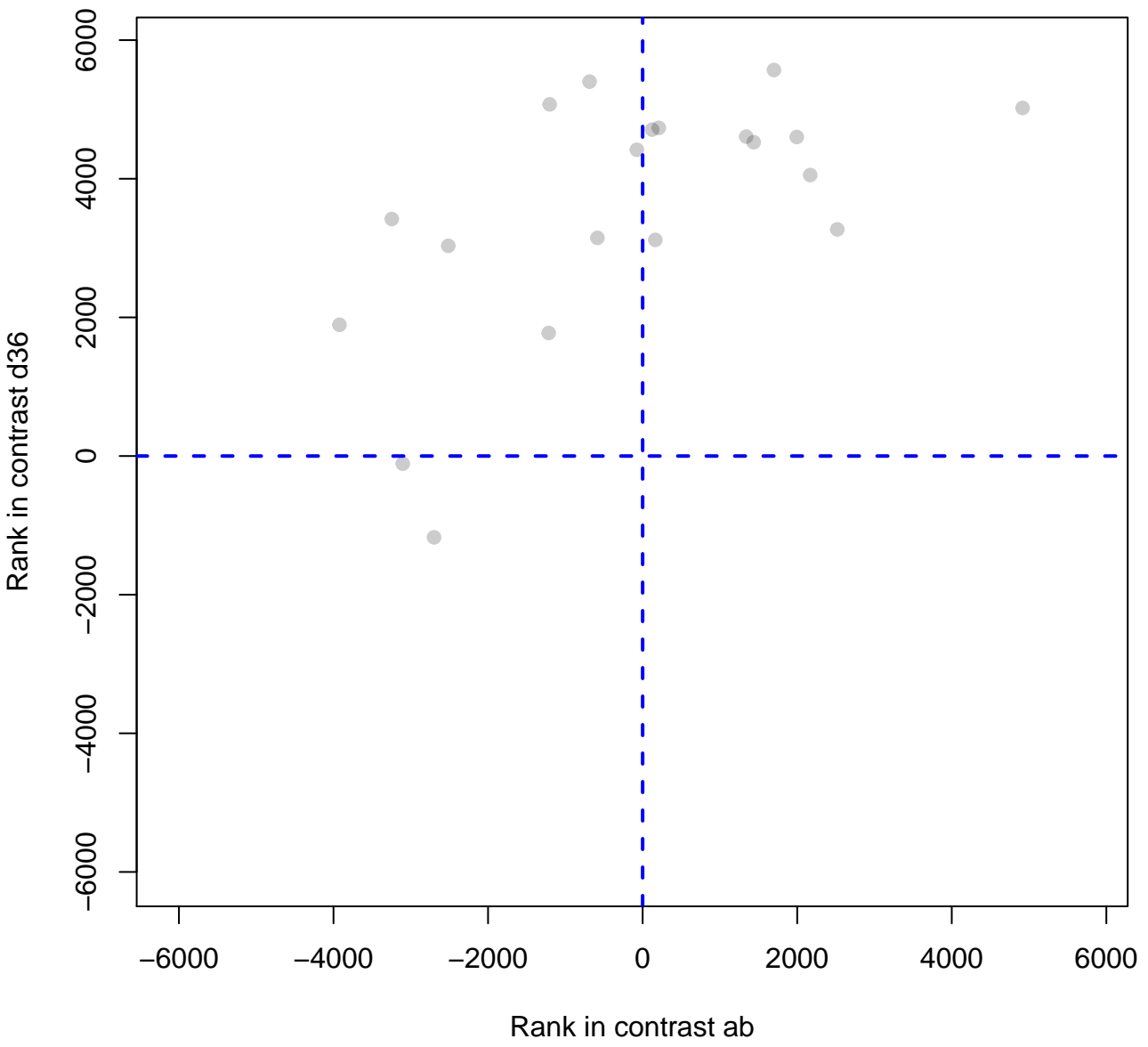




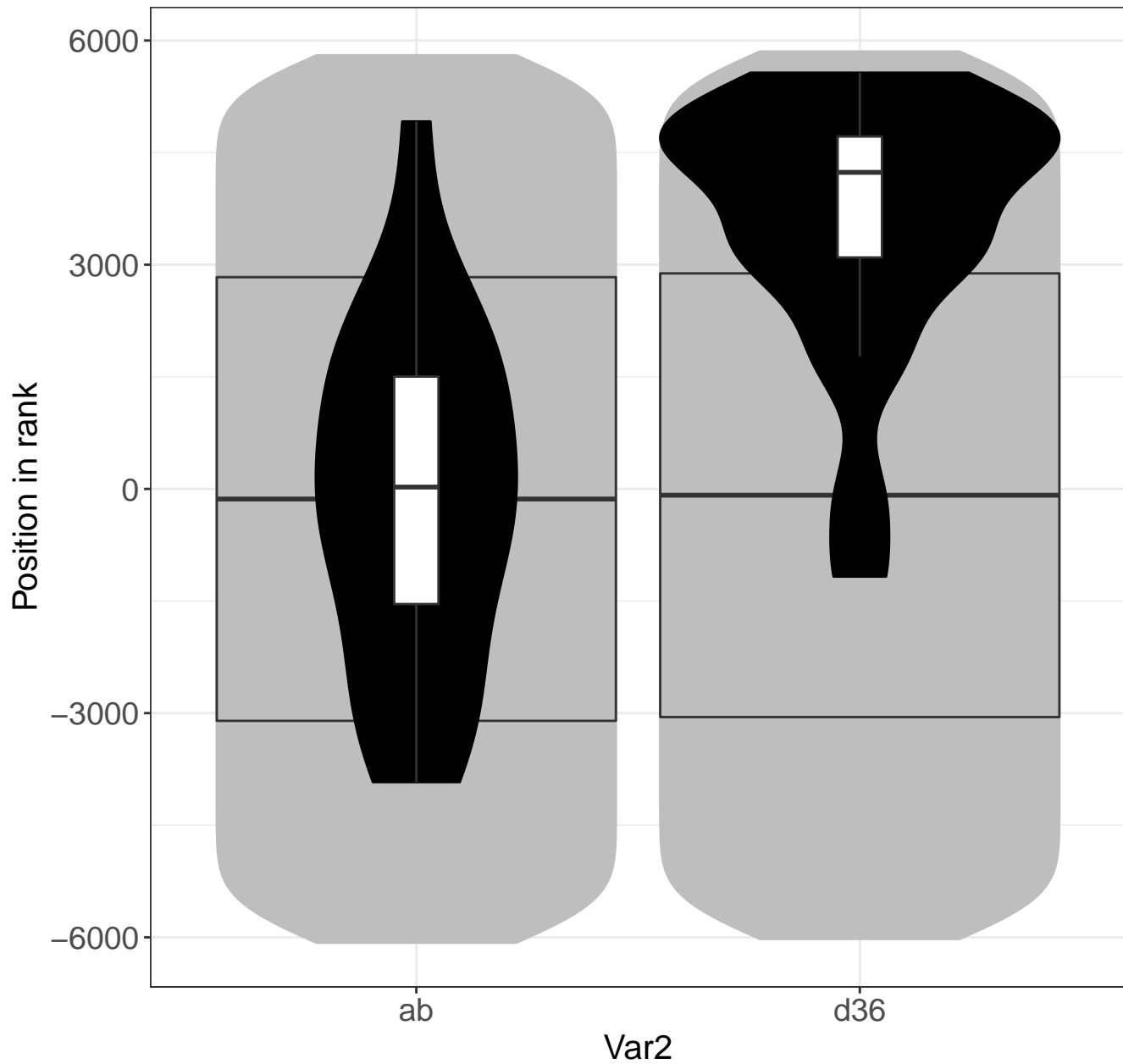
# Branched-chain-amino-acid-catabolism



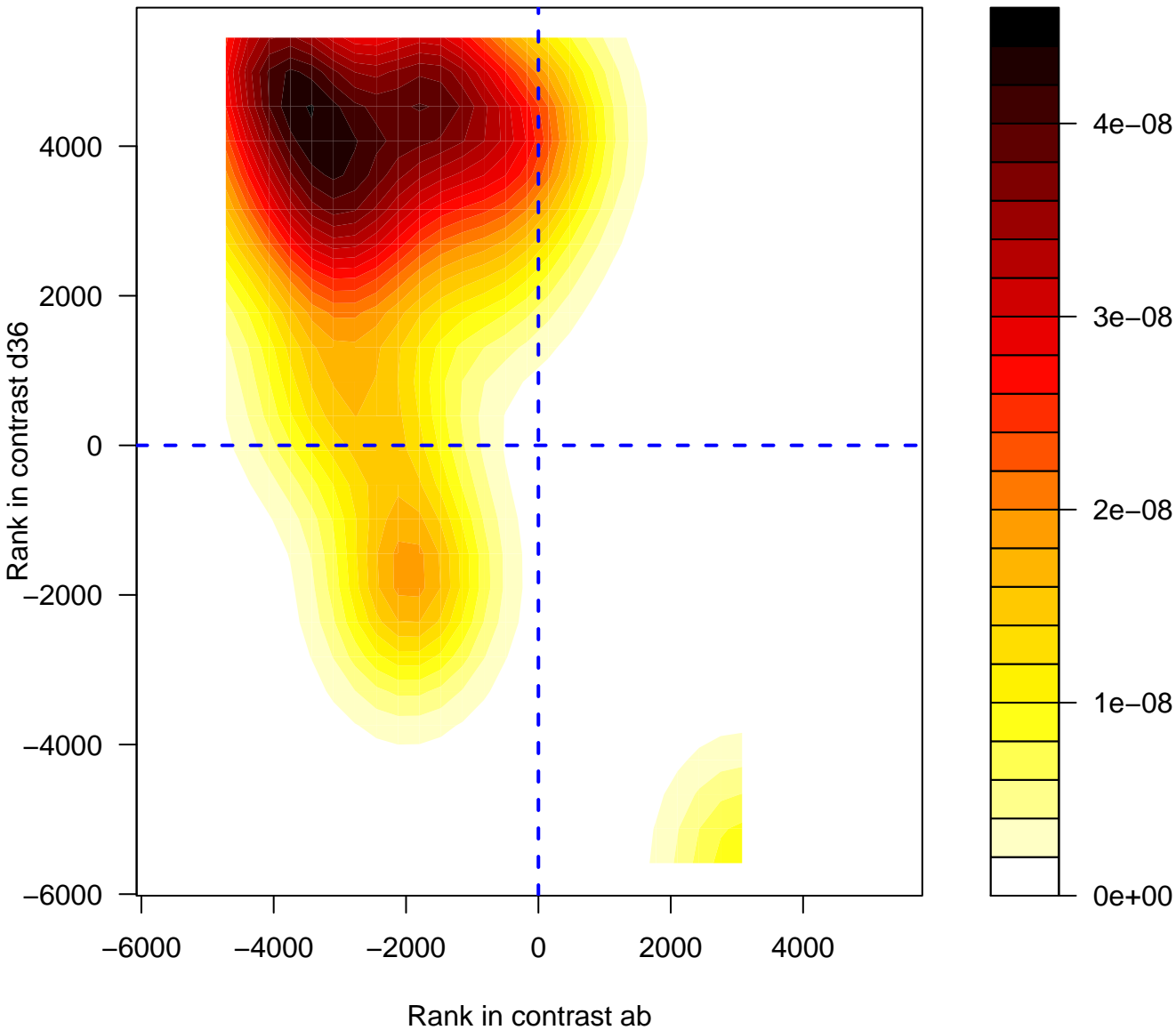
# Branched-chain-amino-acid-catabolism



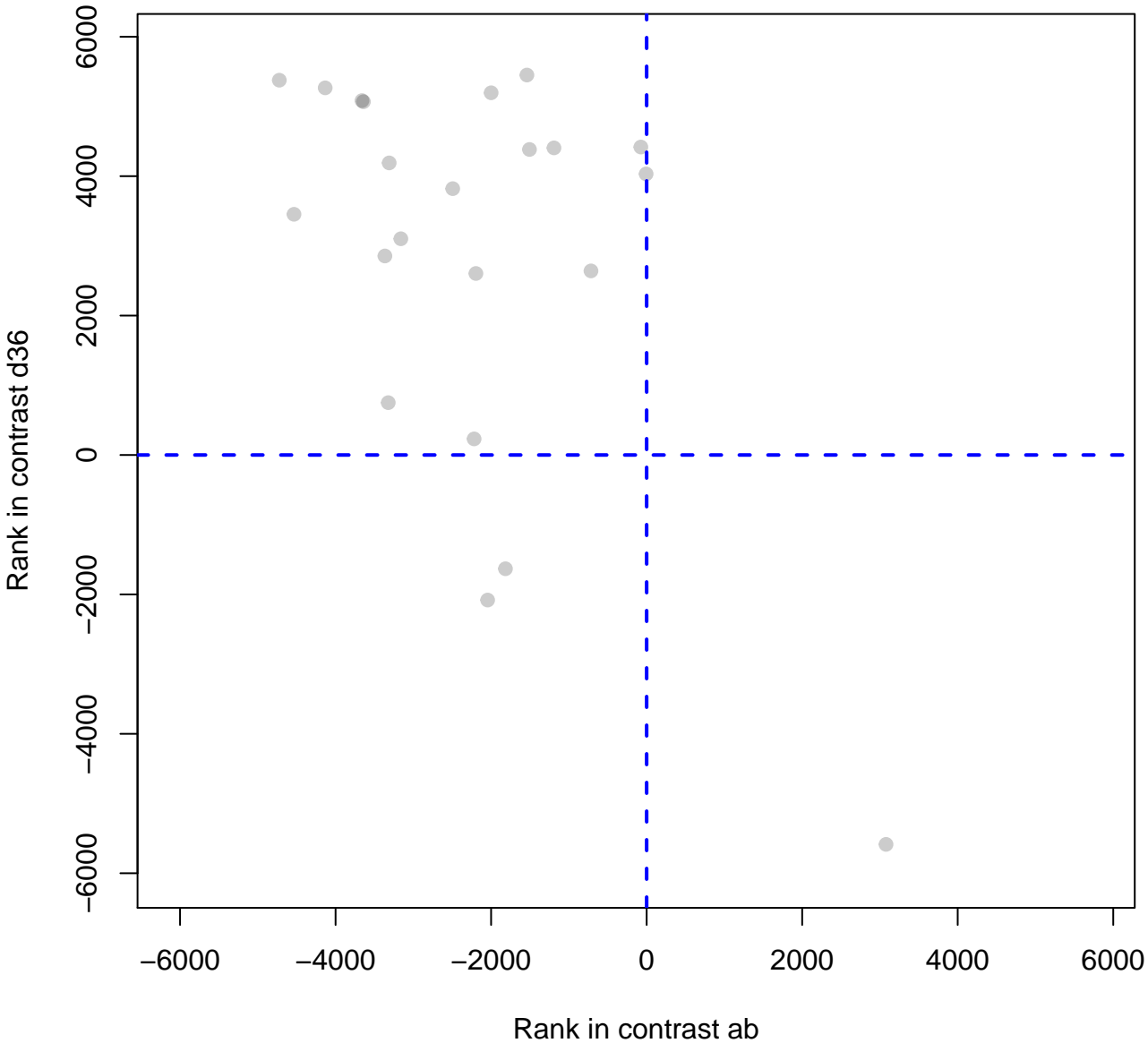
# Branched-chain-amino-acid-catabolism



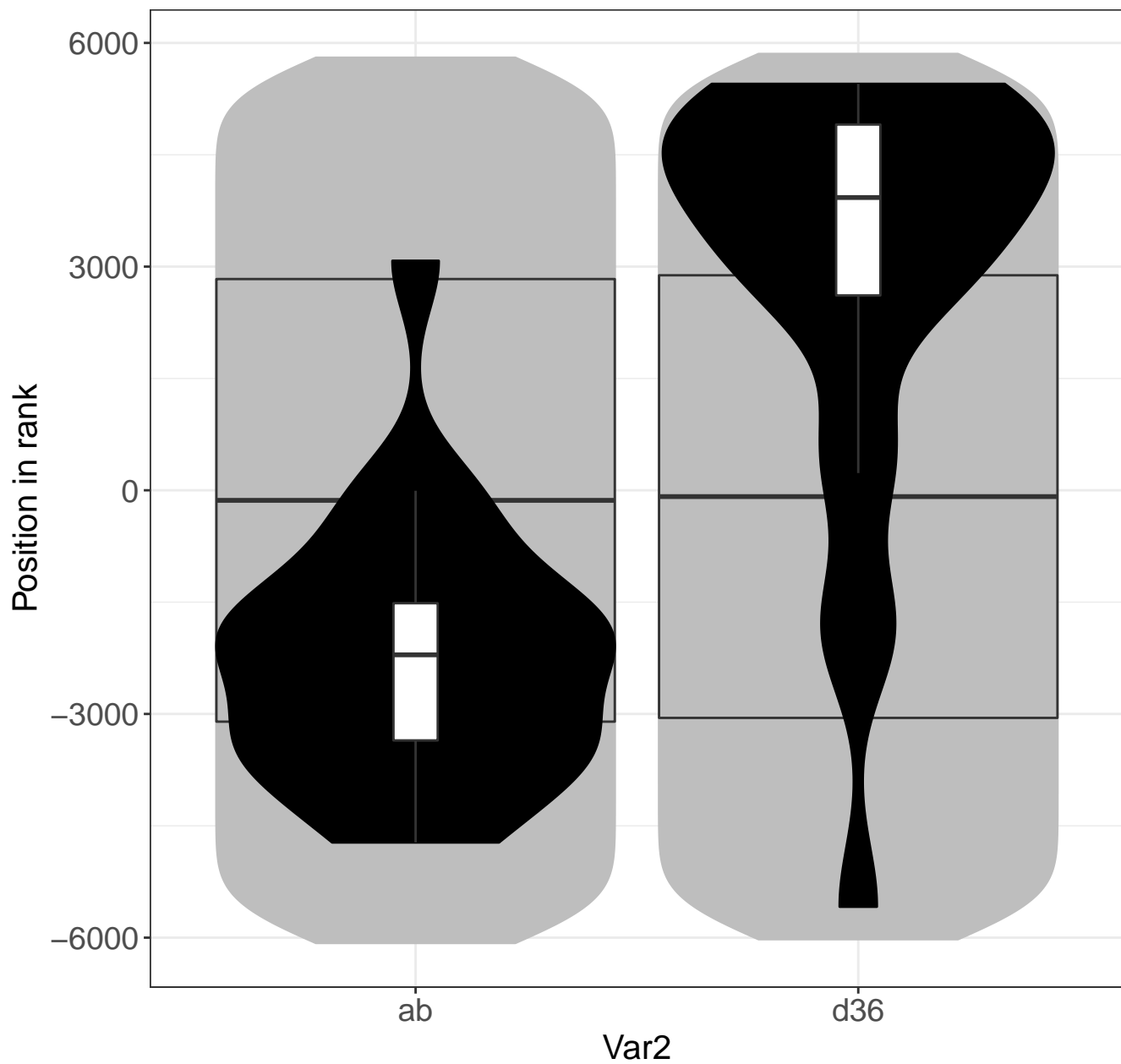
# Citric-acid-cycle-(TCA-cycle)



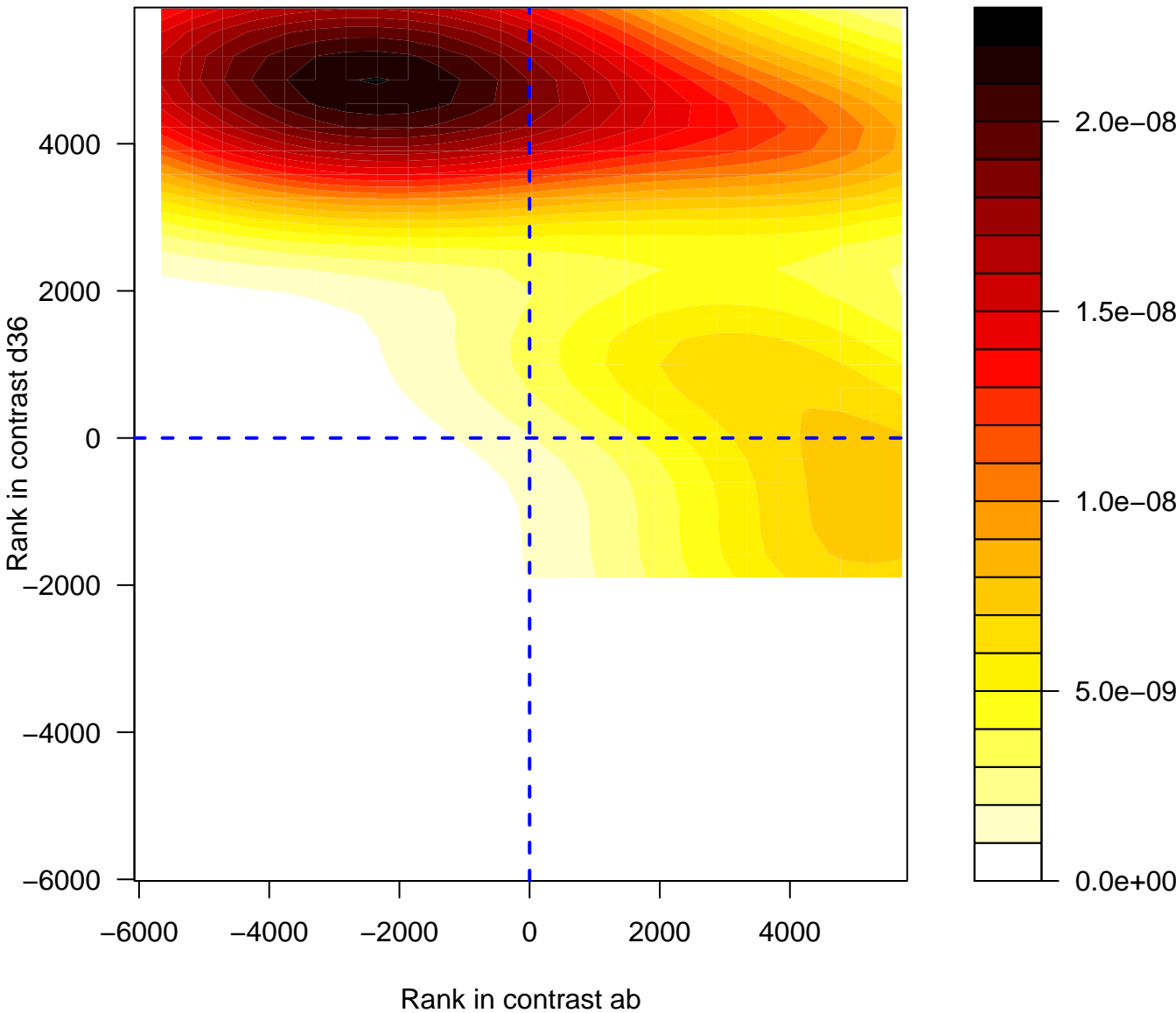
# Citric-acid-cycle-(TCA-cycle)



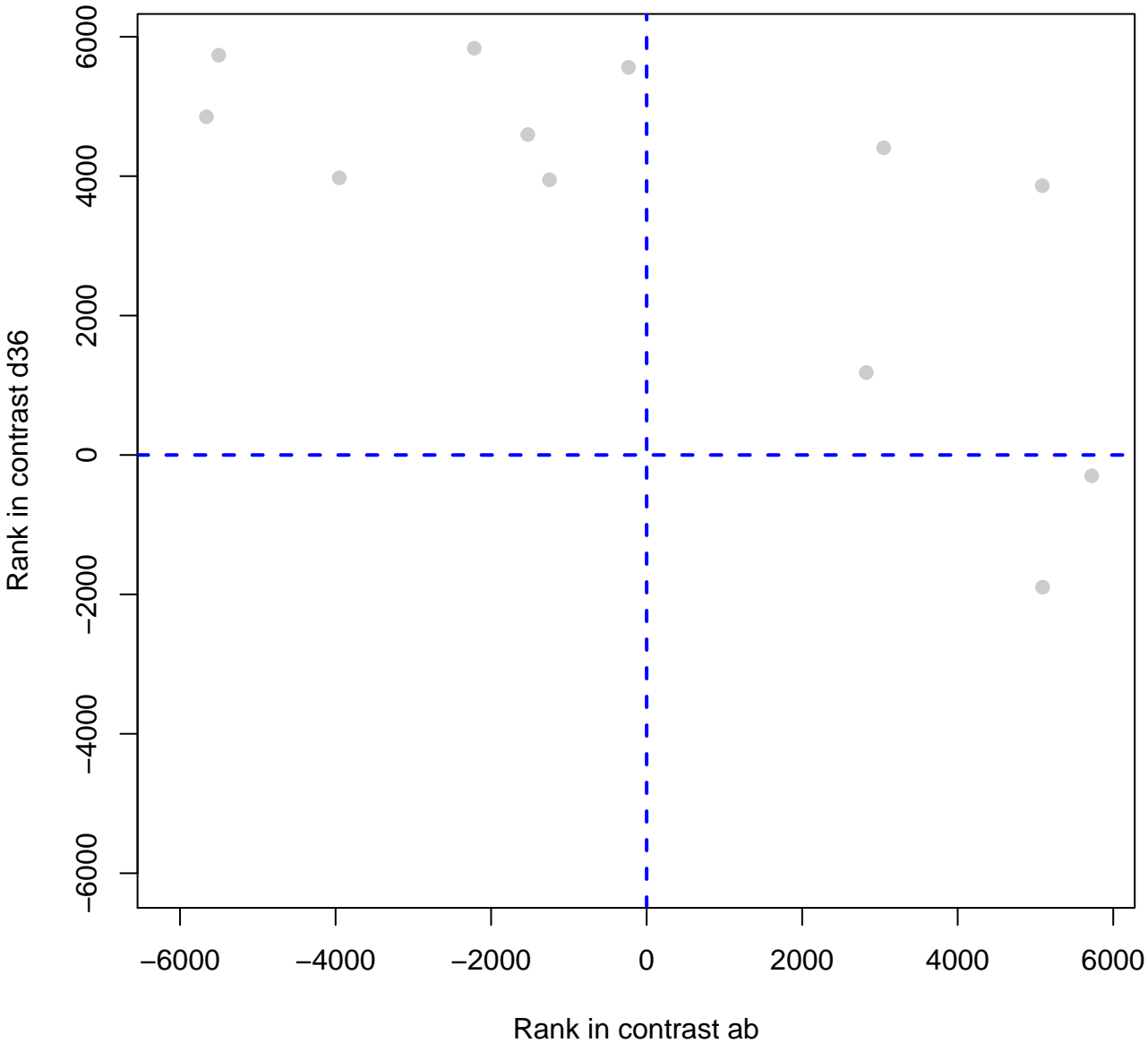
# Citric-acid-cycle-(TCA-cycle)



# Carnitine-metabolism

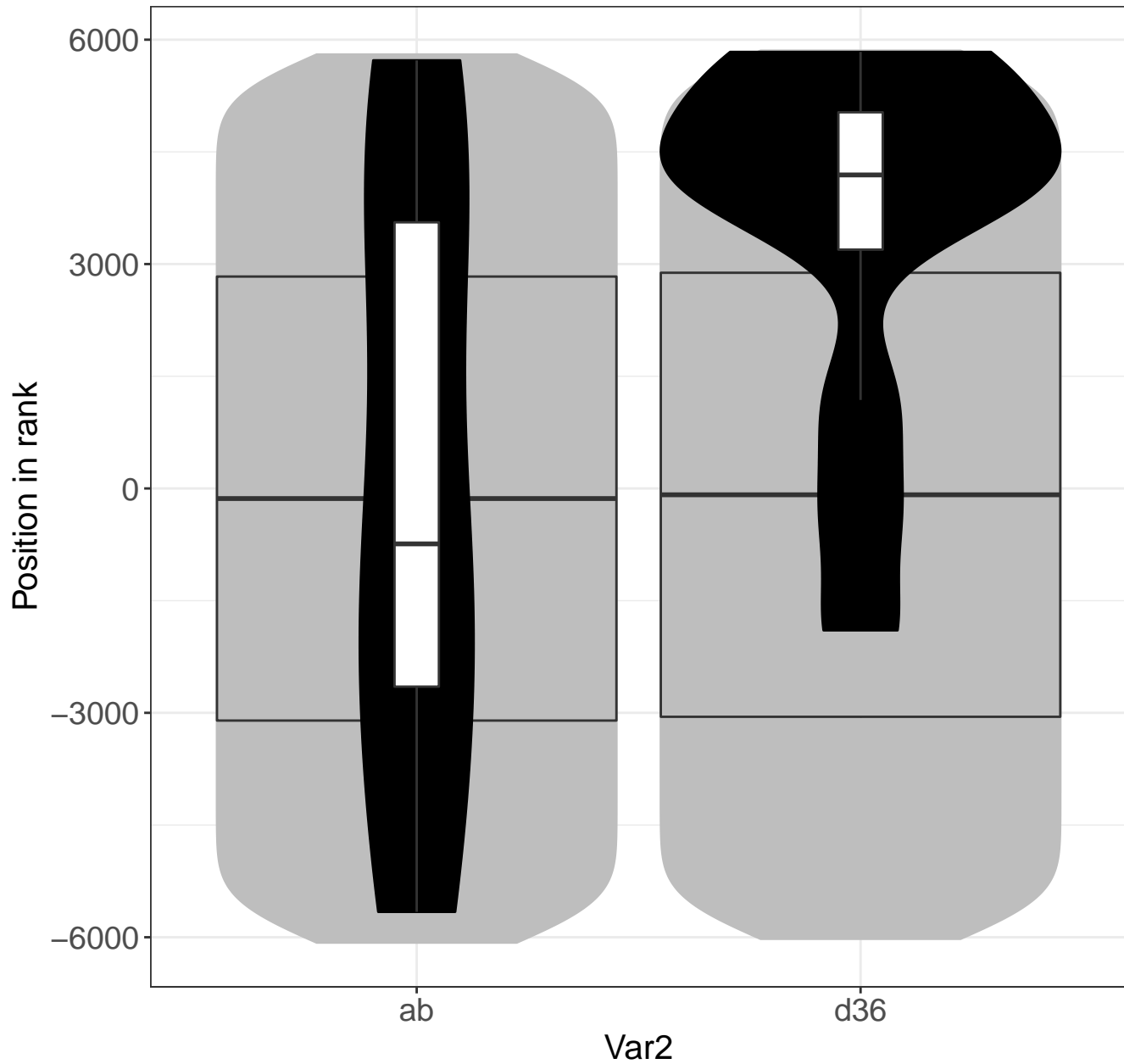


## Carnitine-metabolism

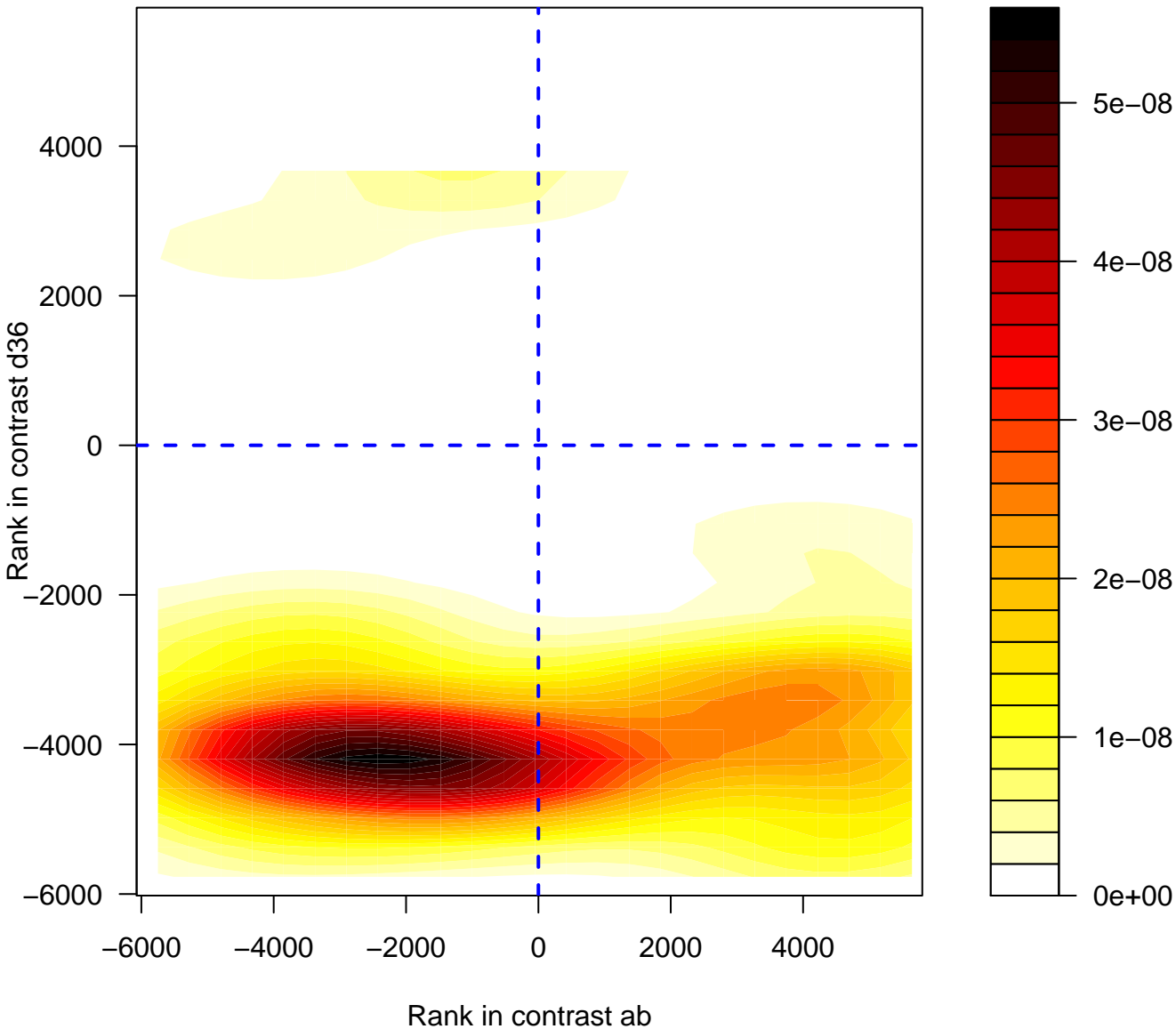




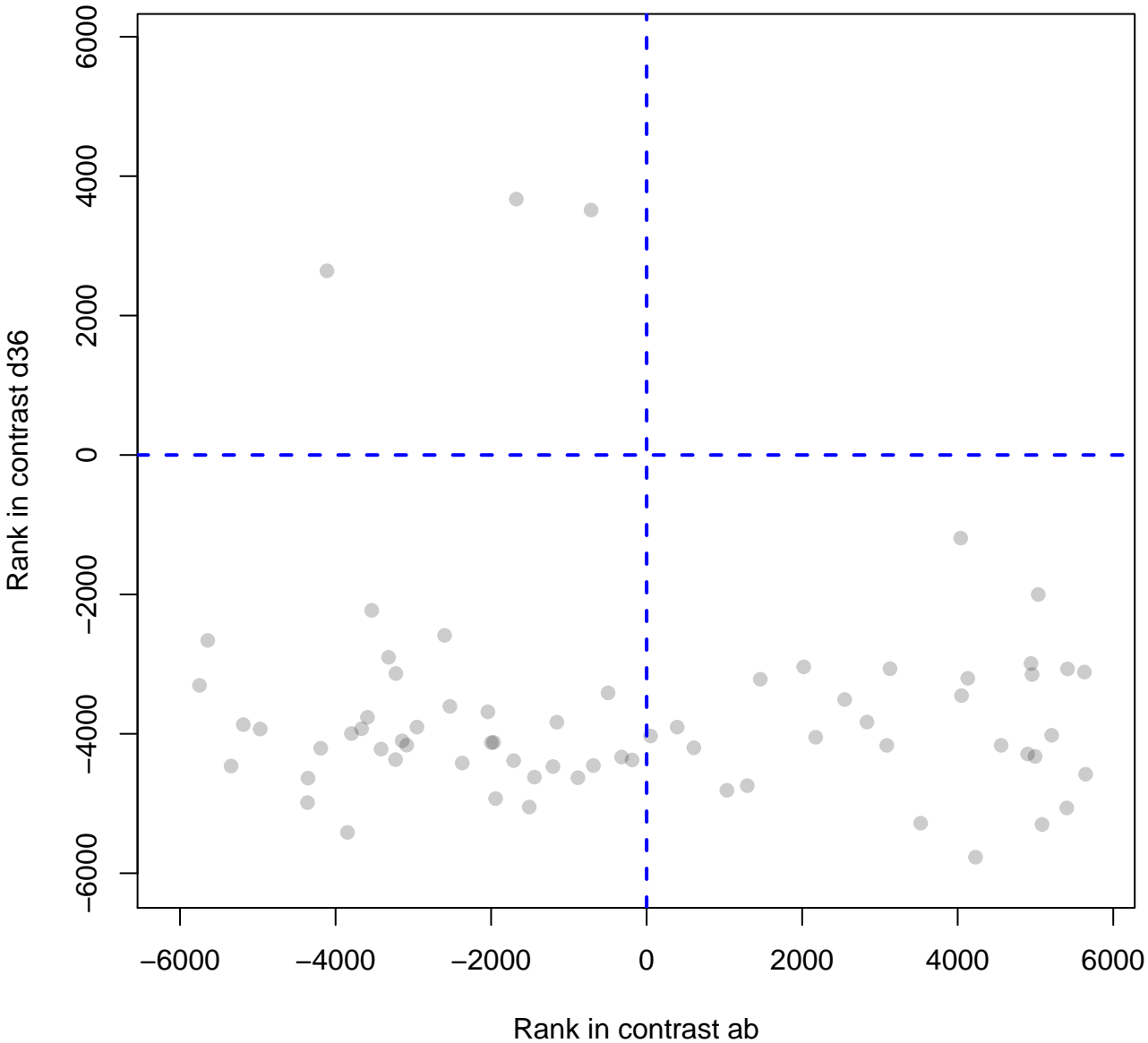
# Carnitine-metabolism



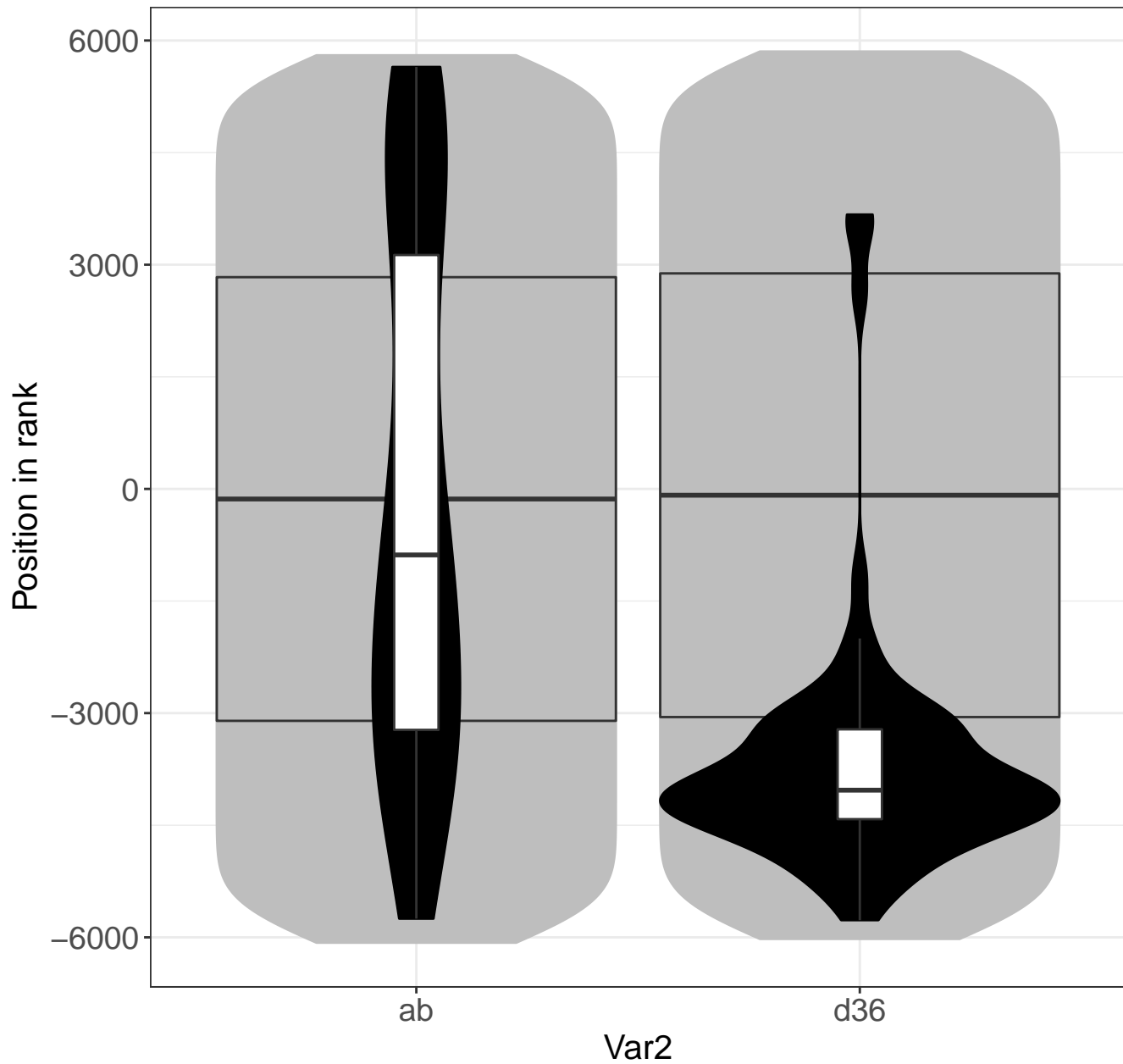
# Viral-mRNA-Translation



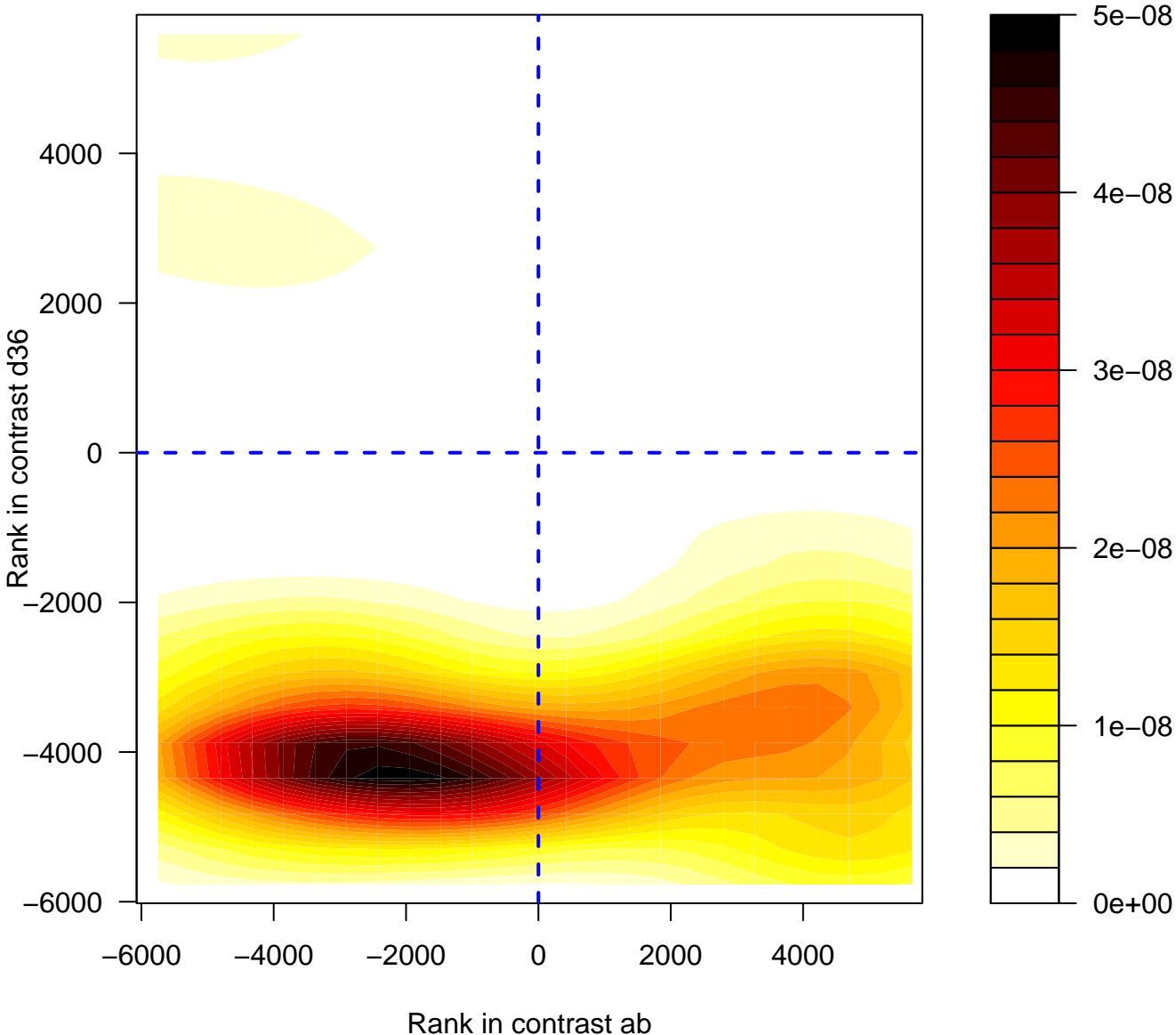
# Viral-mRNA-Translation



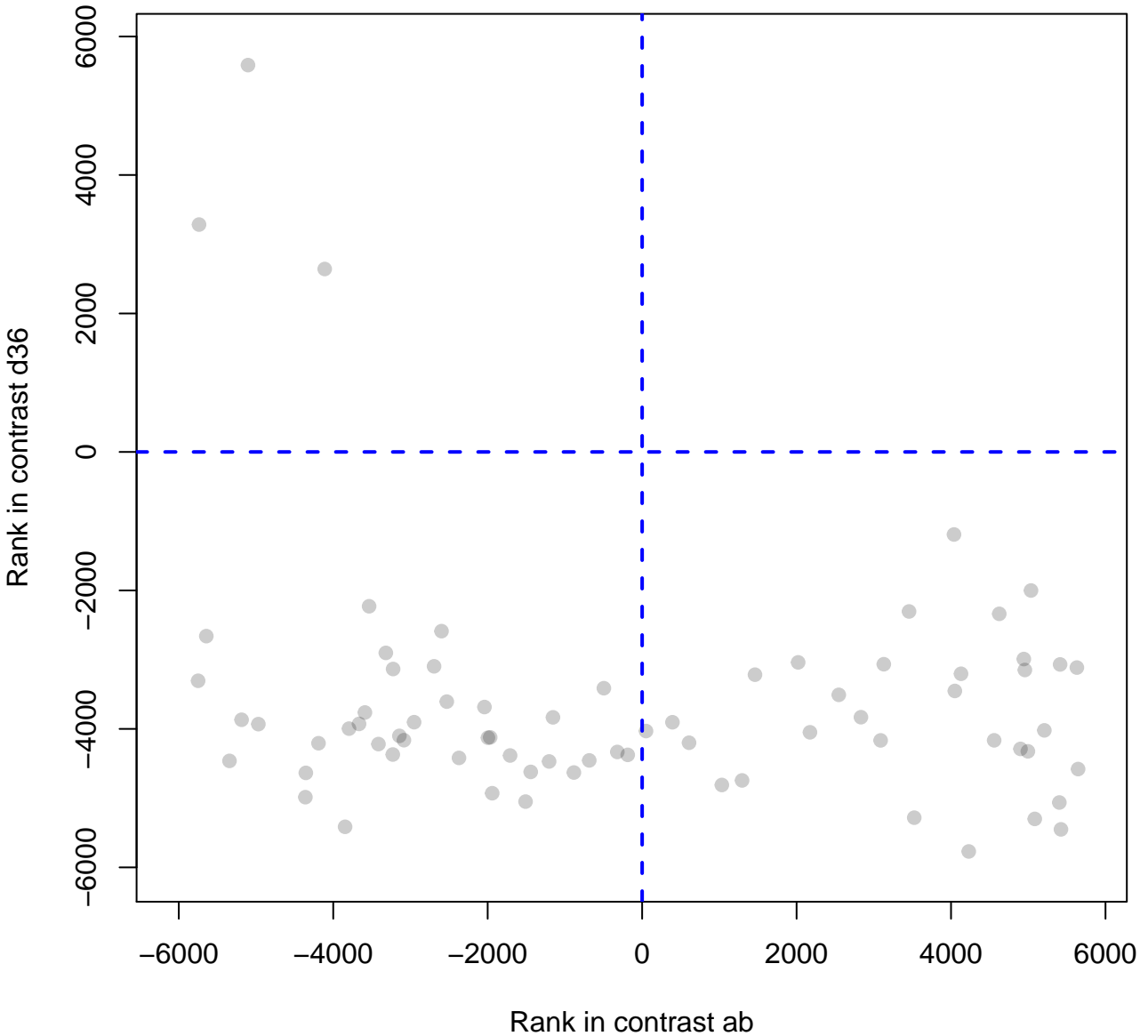
# Viral-mRNA-Translation



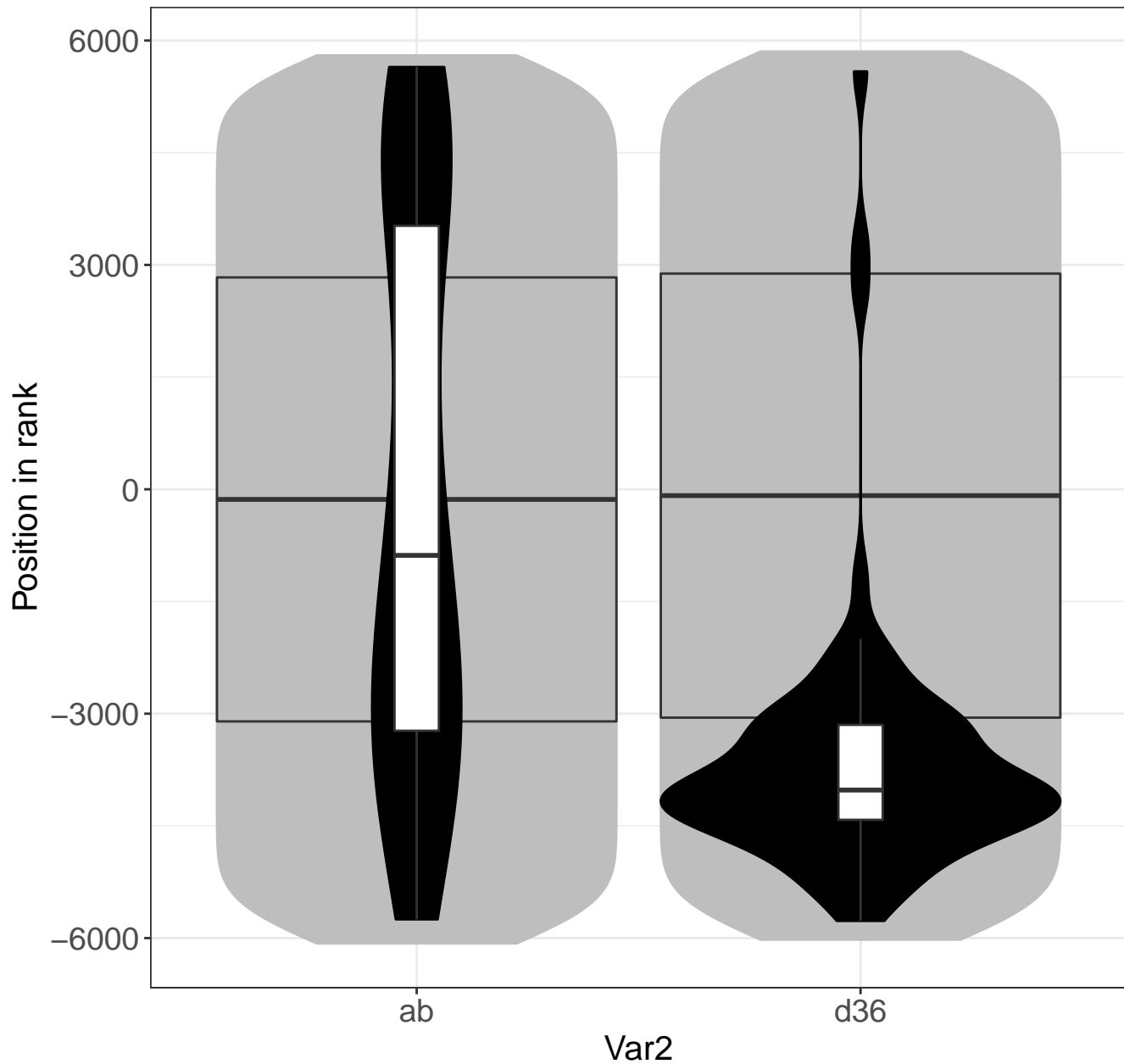
# Eukaryotic-Translation-Elongation



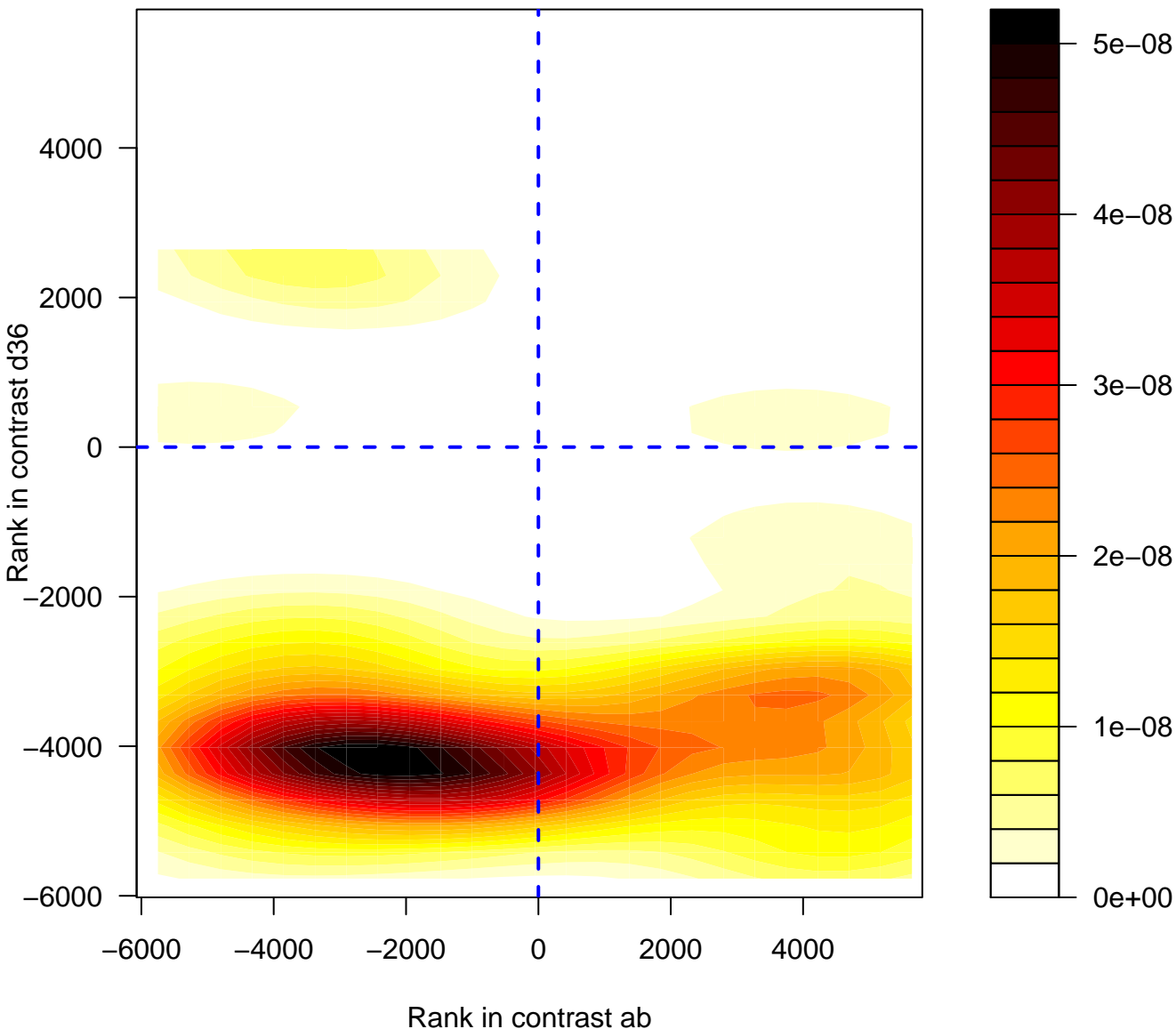
# Eukaryotic-Translation-Elongation



# Eukaryotic-Translation-Elongation

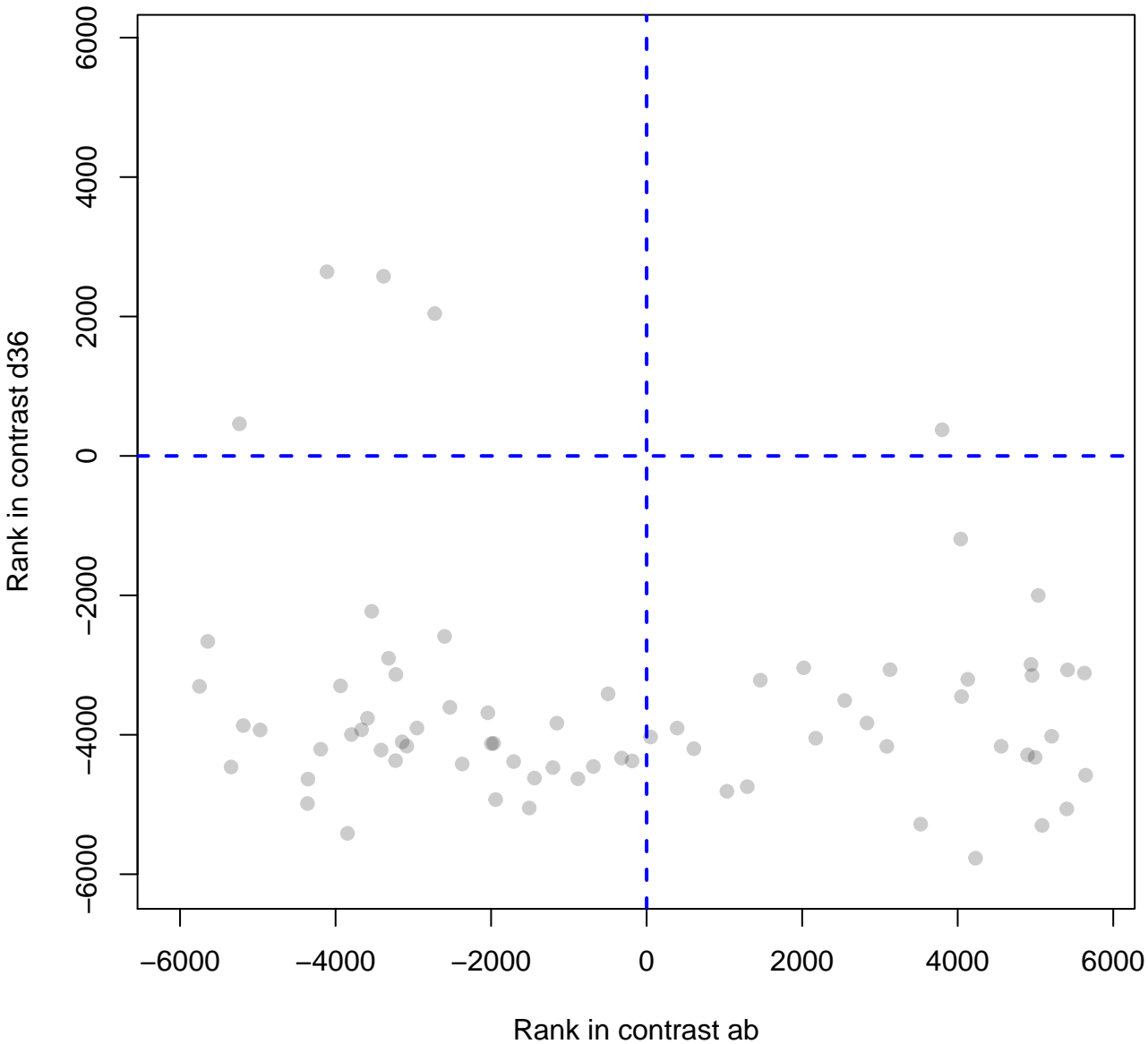


# Eukaryotic-Translation-Termination

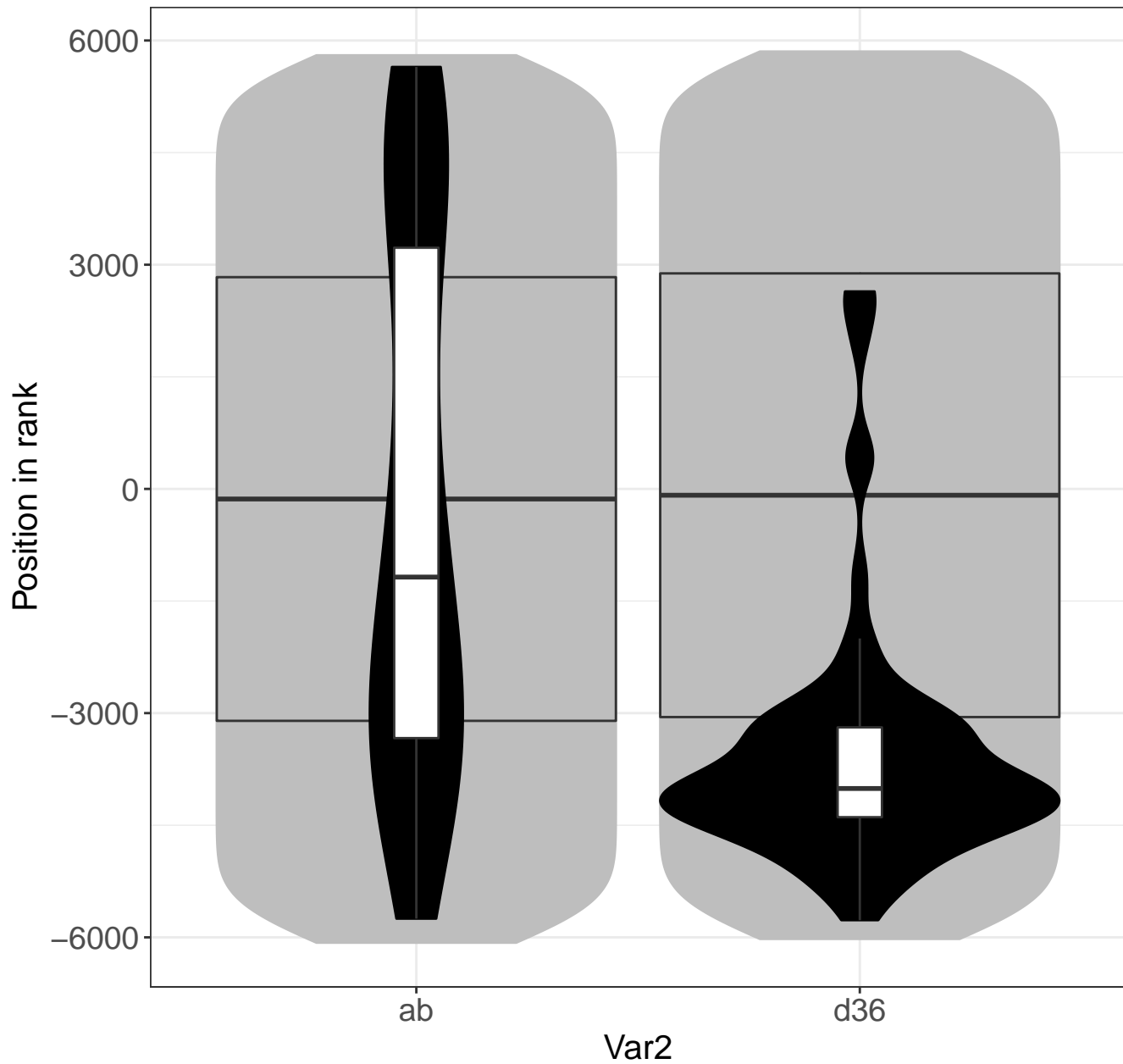




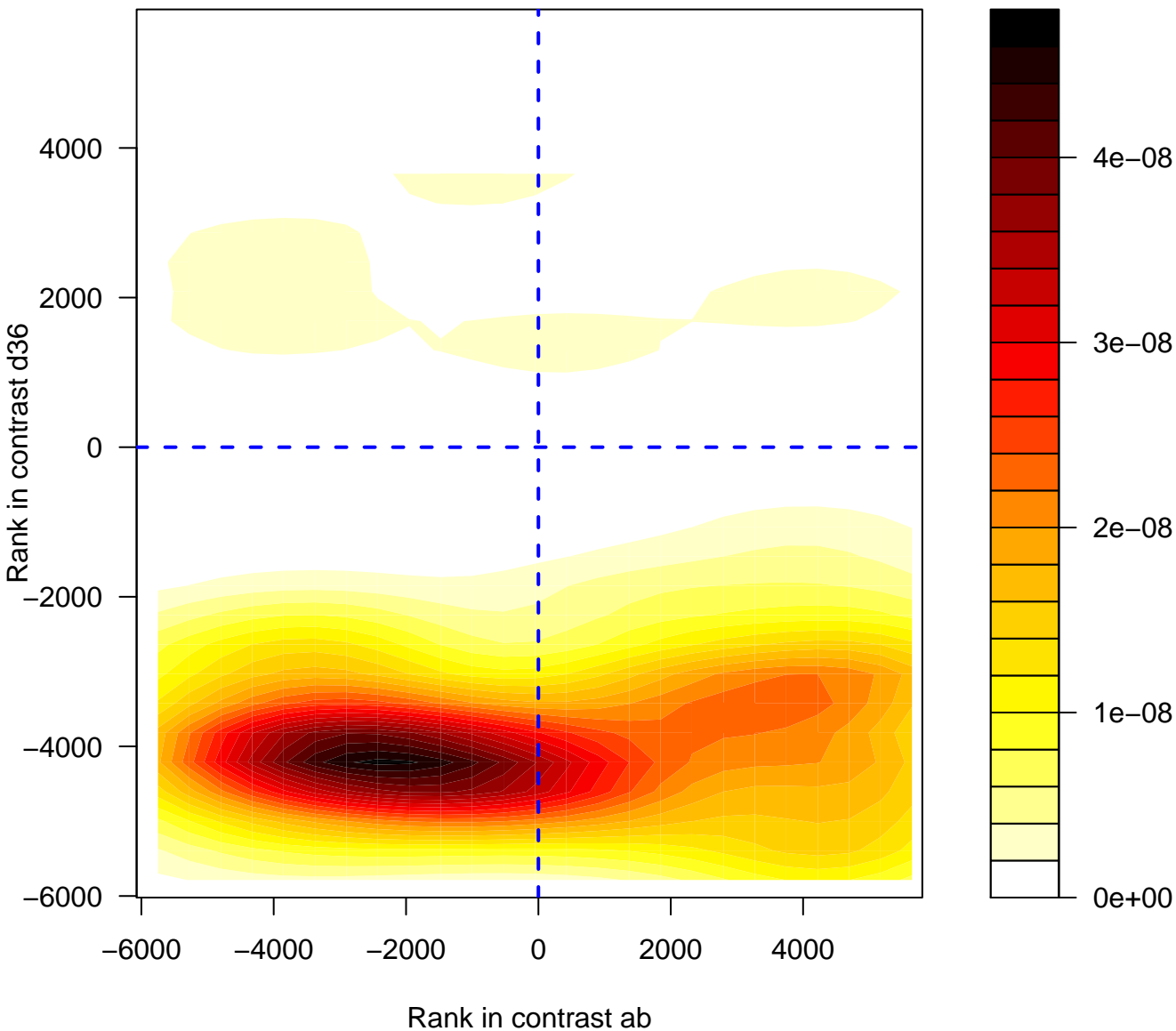
# Eukaryotic-Translation-Termination



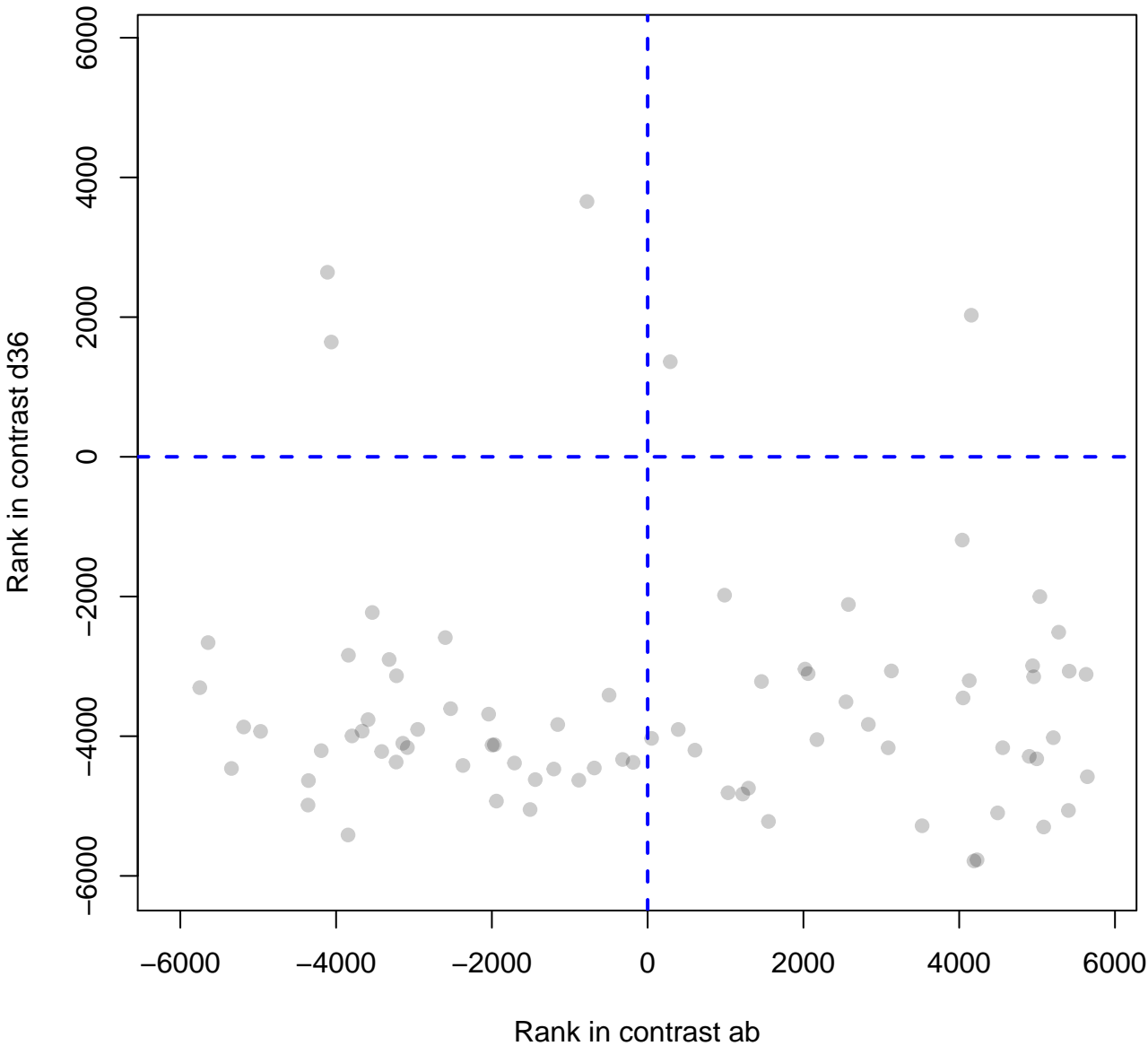
# Eukaryotic-Translation-Termination



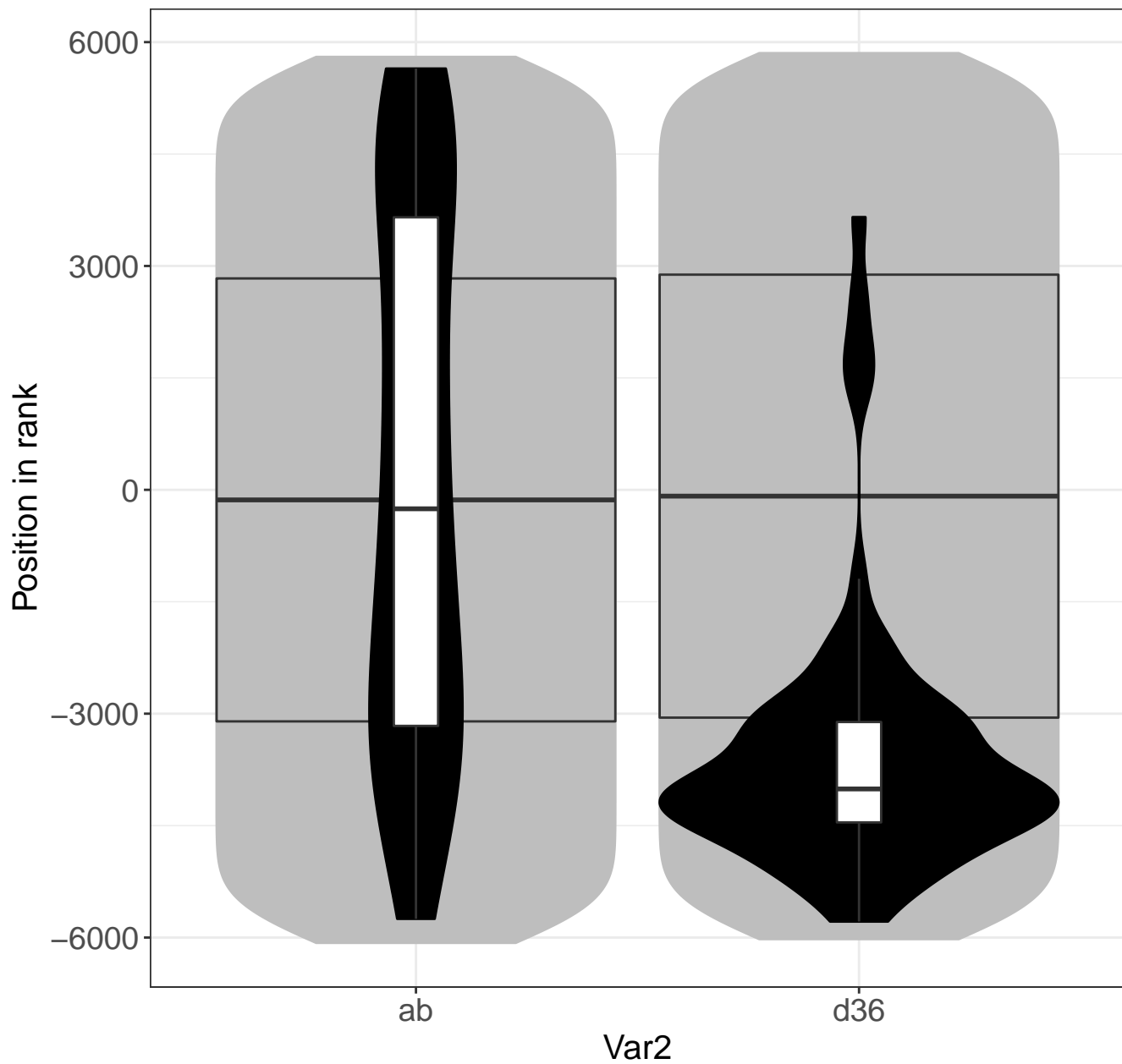
# Response-of-EIF2AK4-(GCN2)-to-amino-acid-deficien



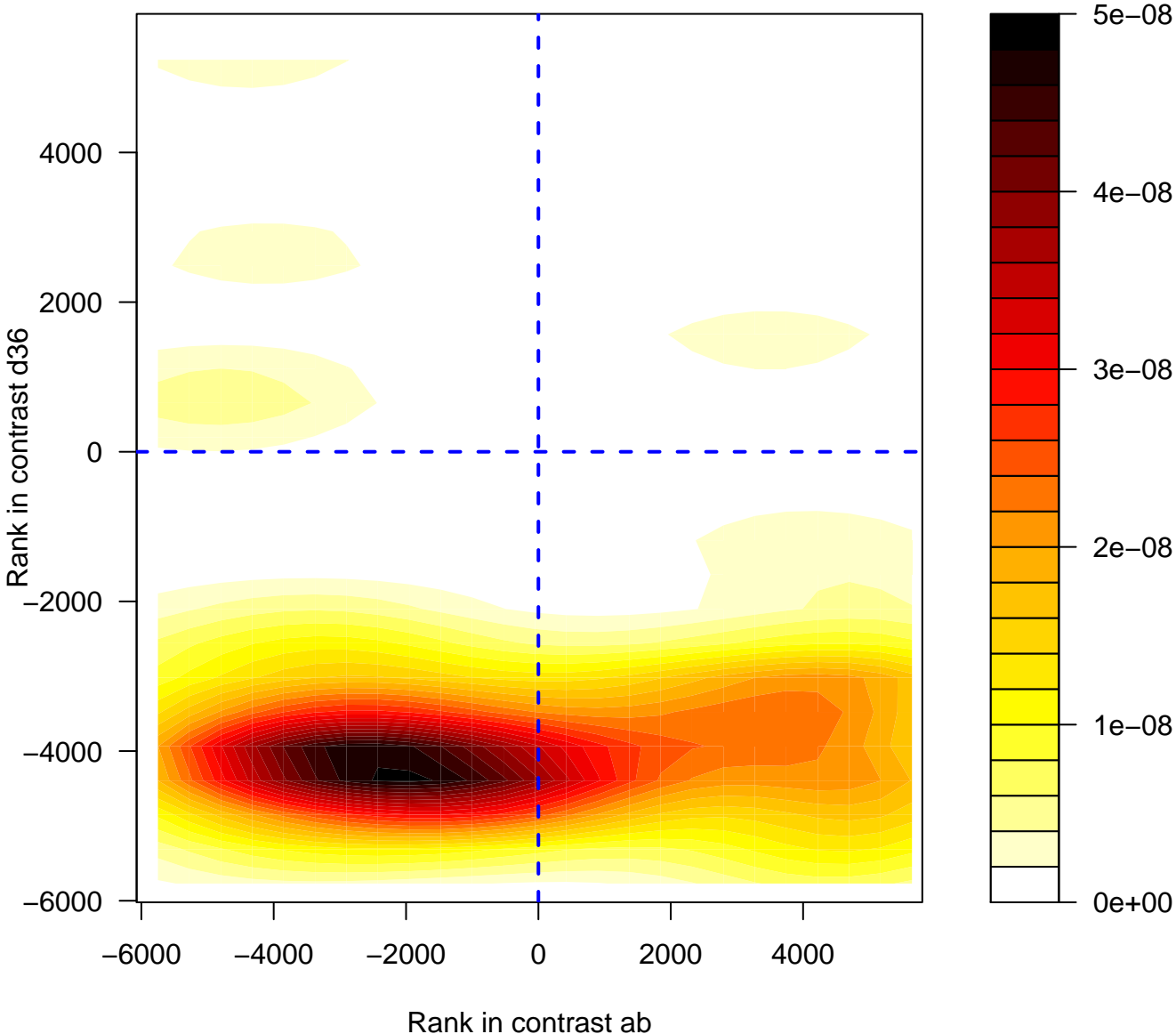
# Response-of-EIF2AK4-(GCN2)-to-amino-acid-deficiency



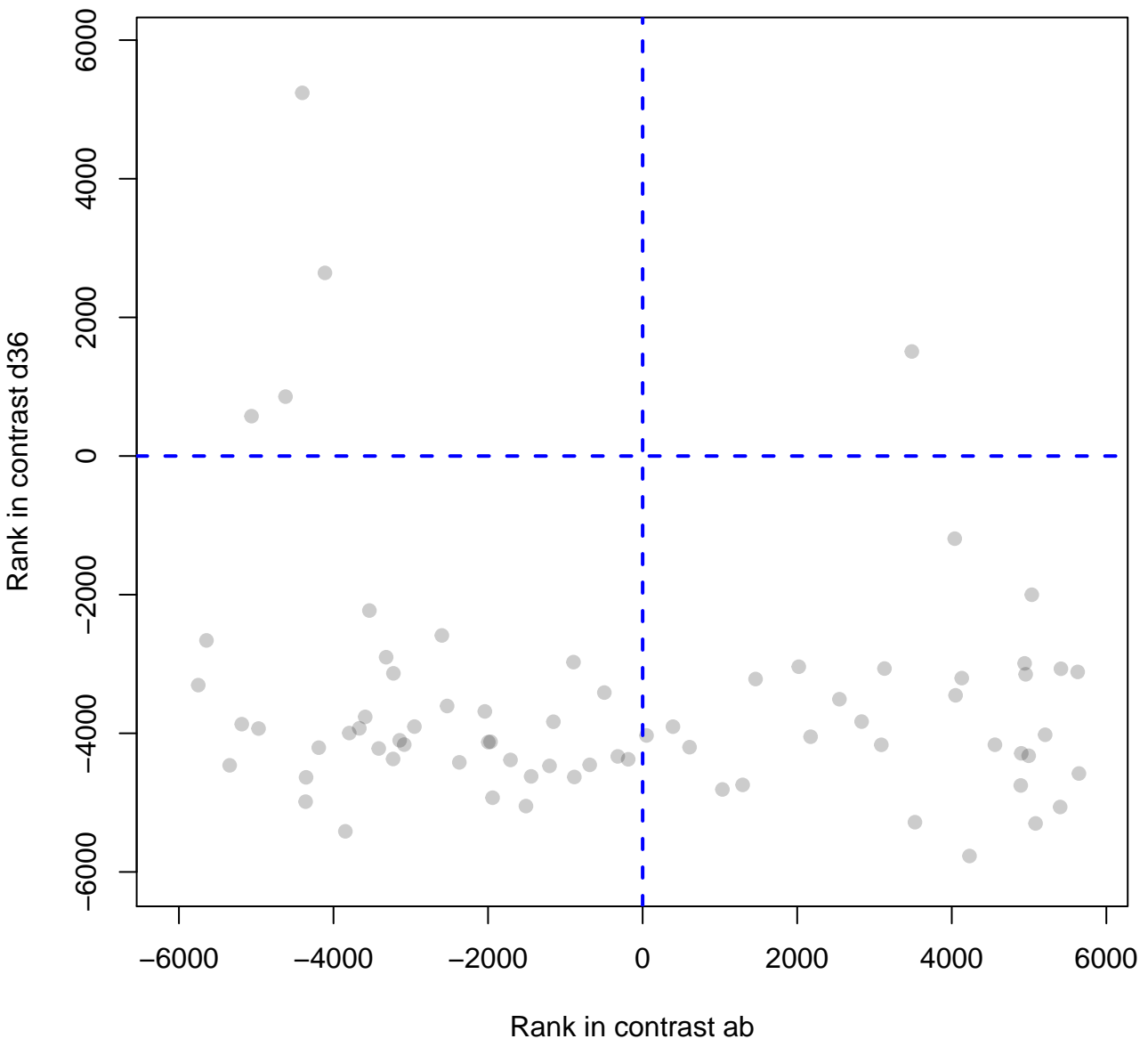
# Response-of-EIF2AK4-(GCN2)-to-amino-acid-



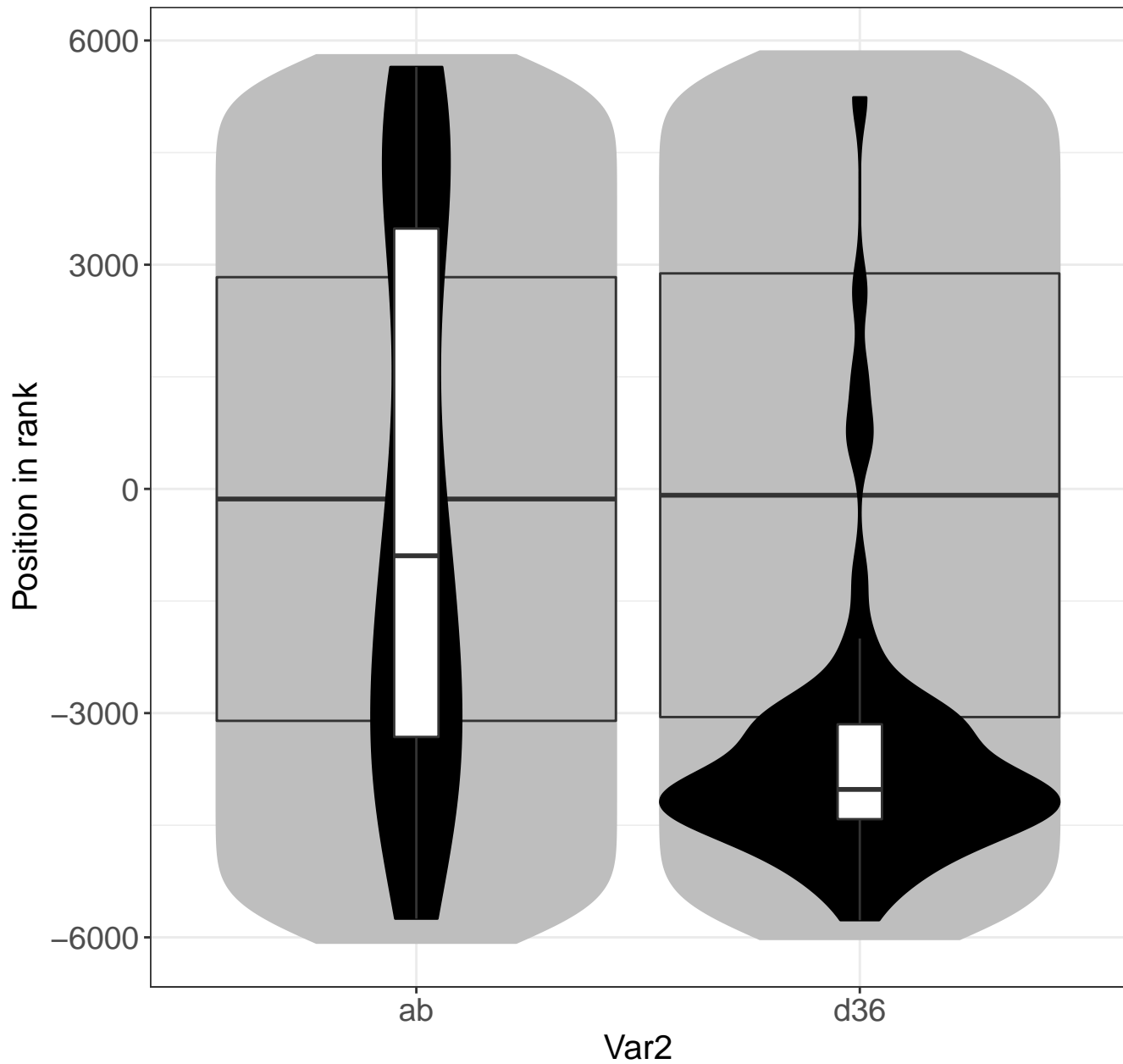
# Selenocysteine-synthesis



# Selenocysteine-synthesis

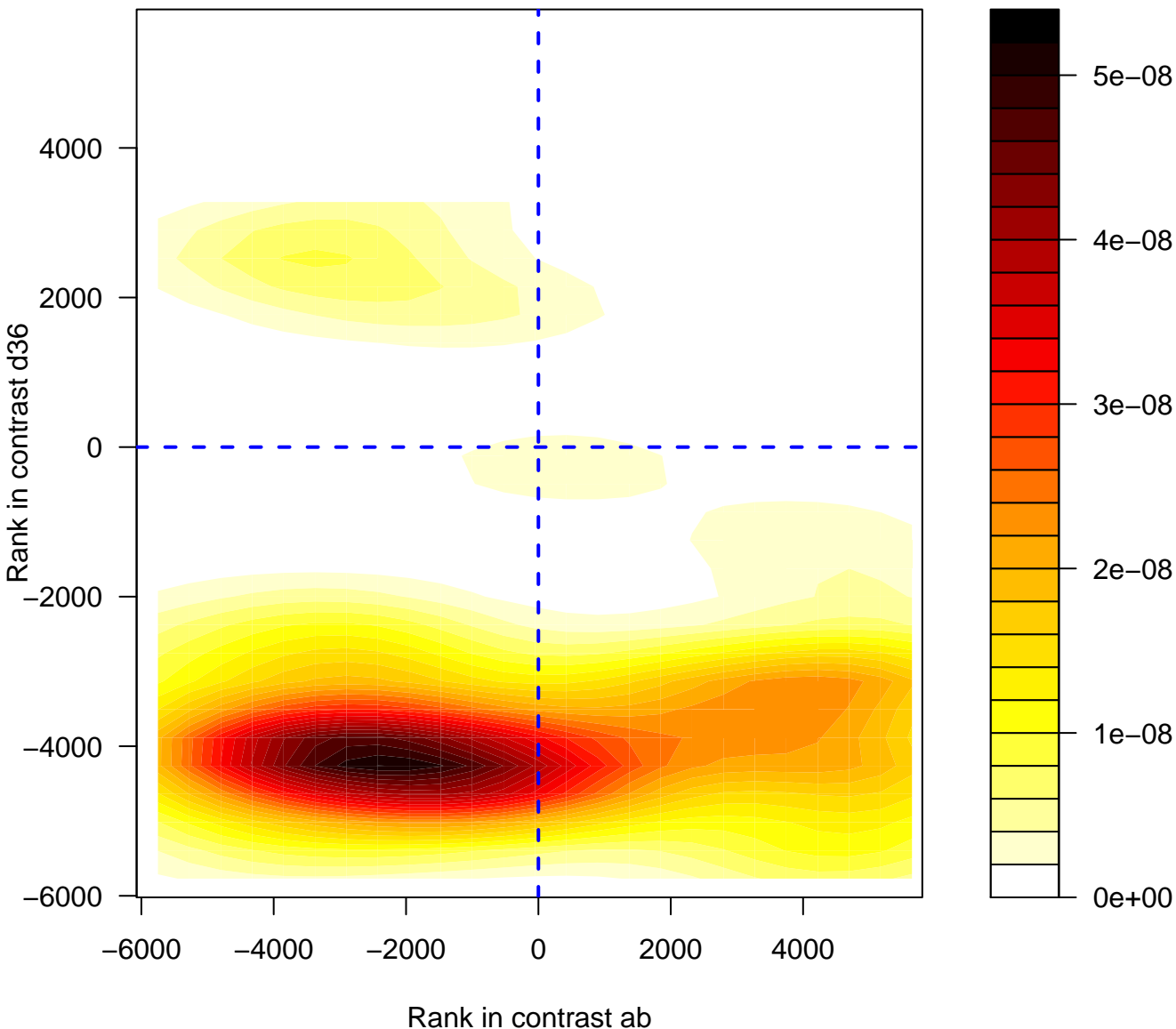


# Selenocysteine-synthesis

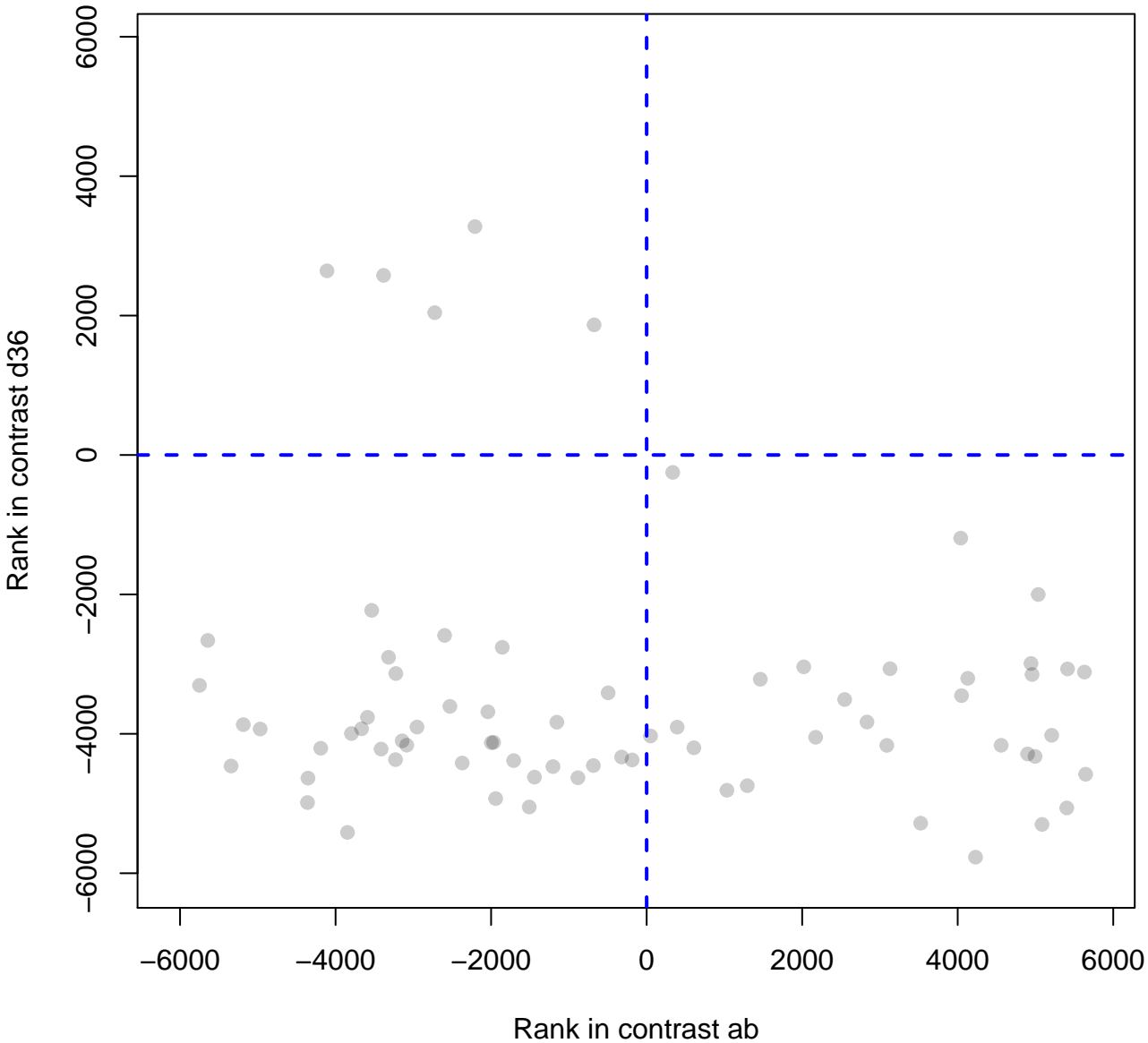




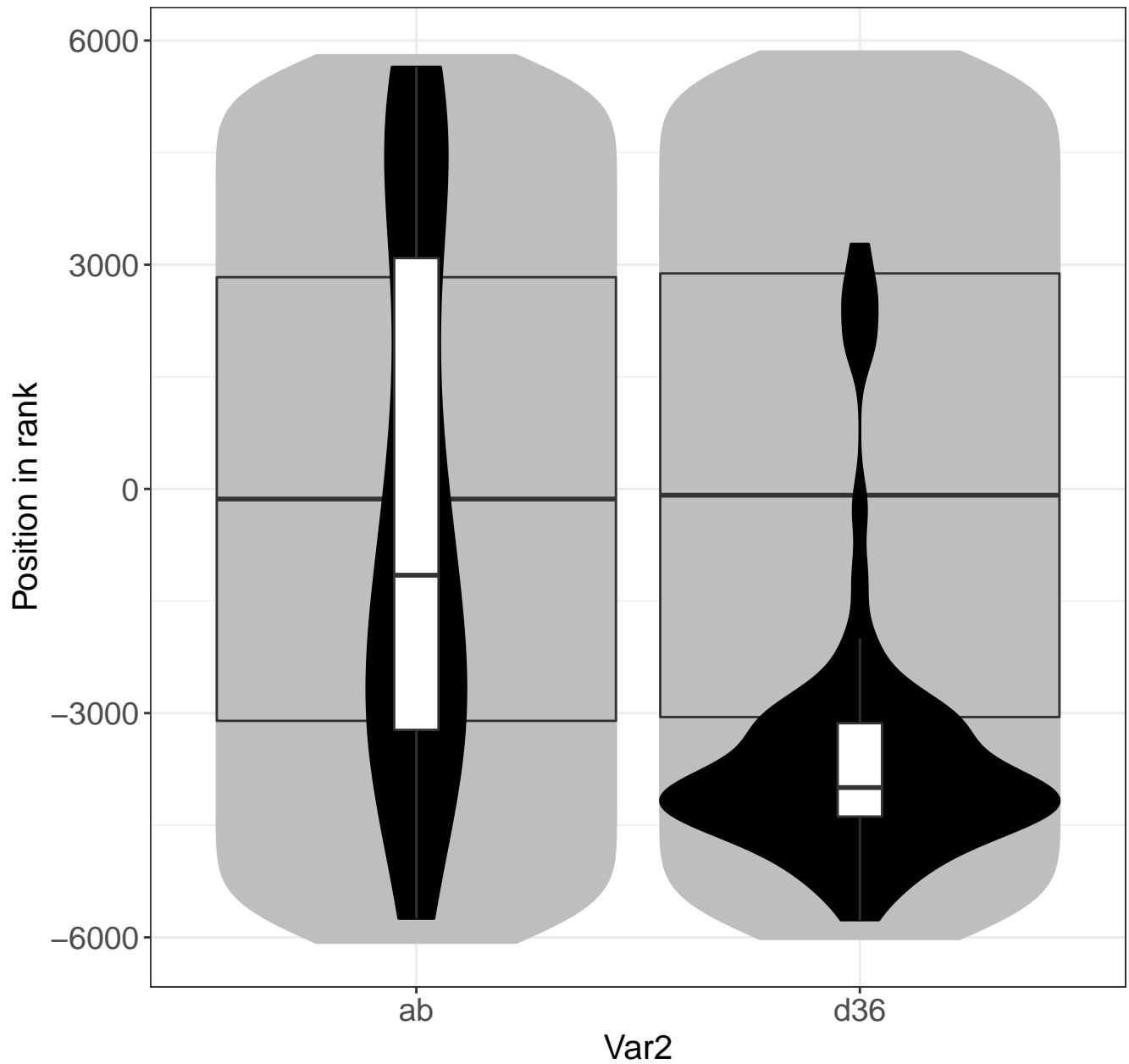
# Mediated-Decay-(NMD)-independent-of-the-Exon-Junctio



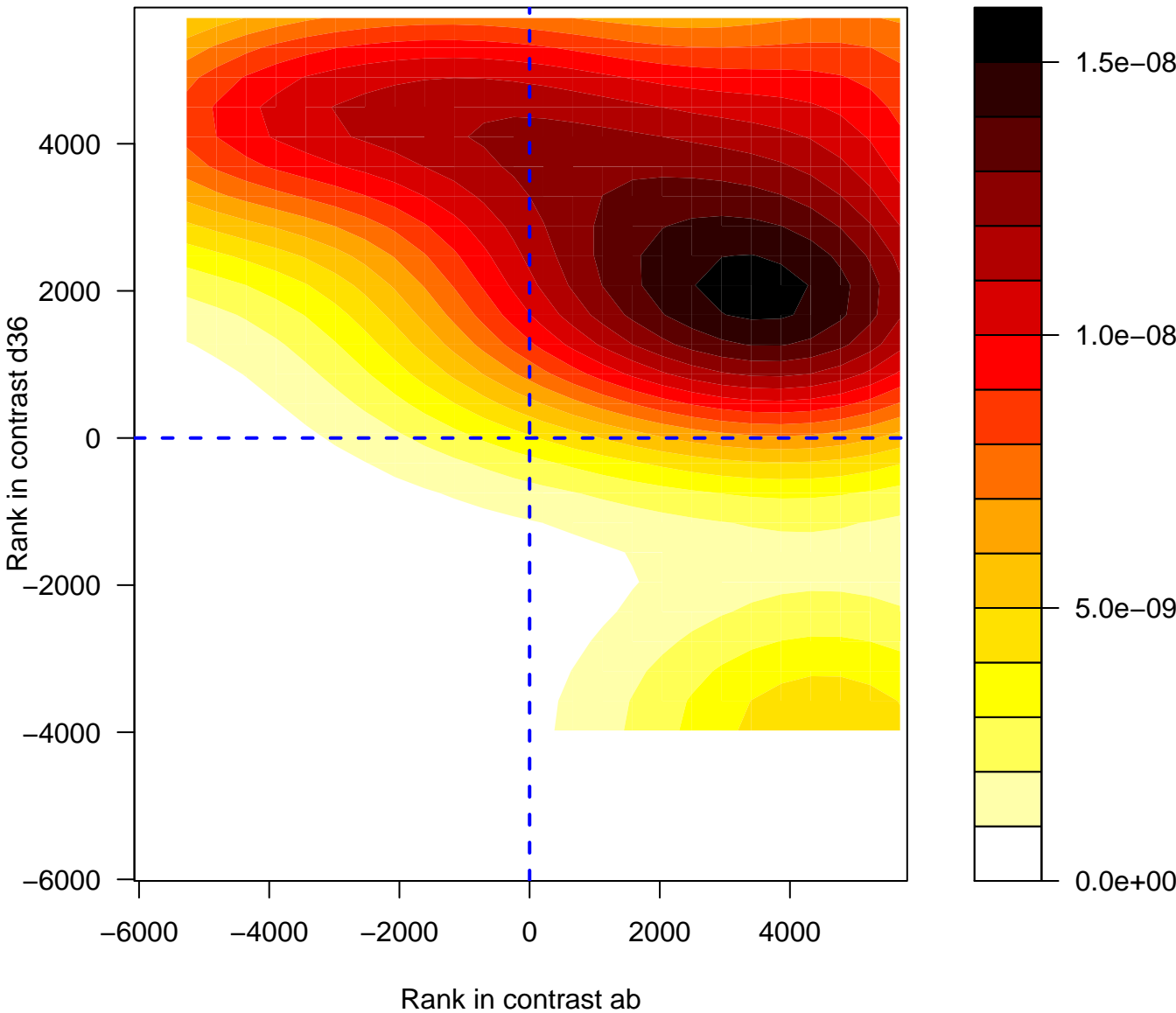
# sense-Mediated-Decay-(NMD)-independent-of-the-Exon-Junction-Comple



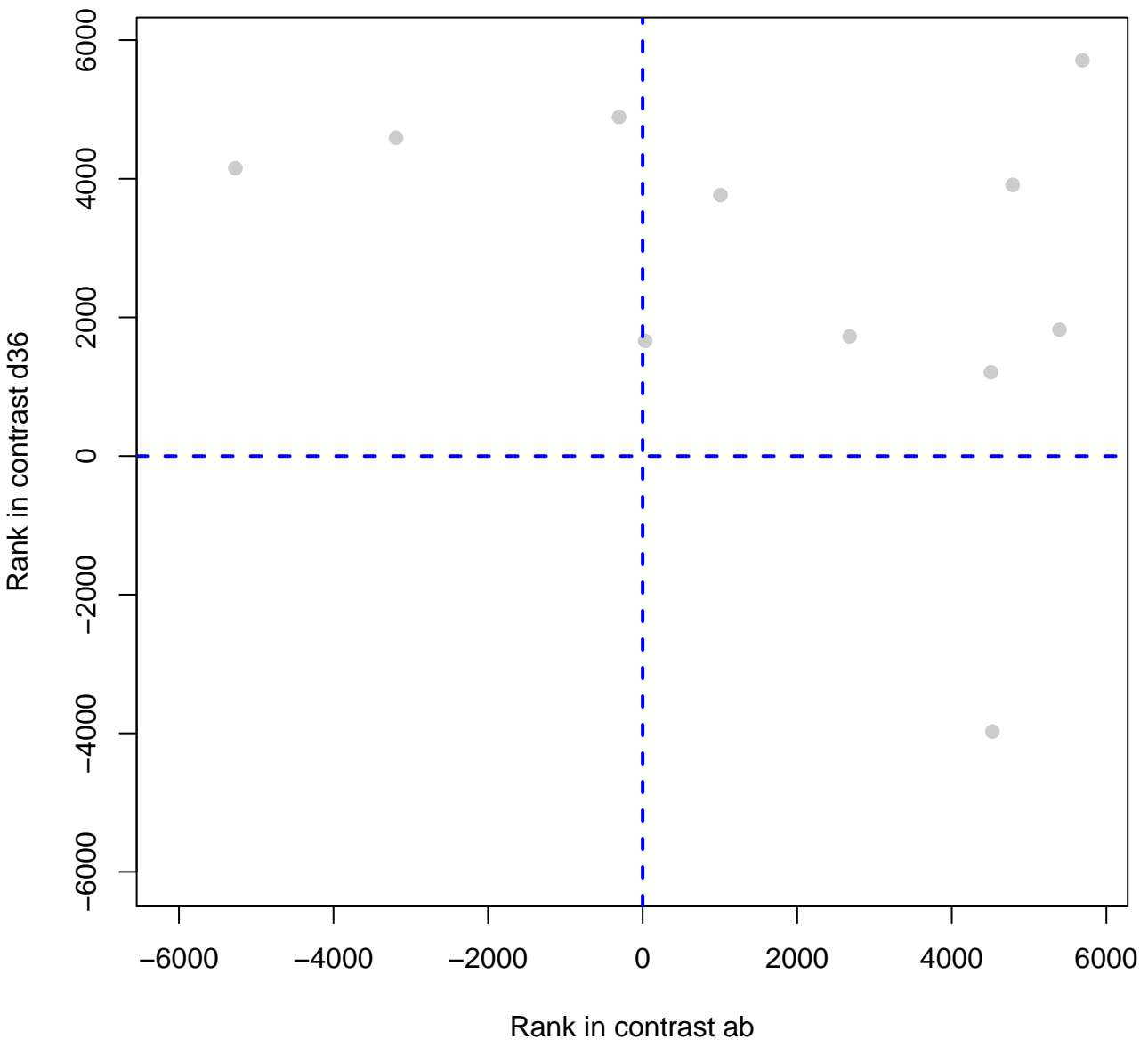
# Nonsense-Mediated-Decay-(NMD)-independent



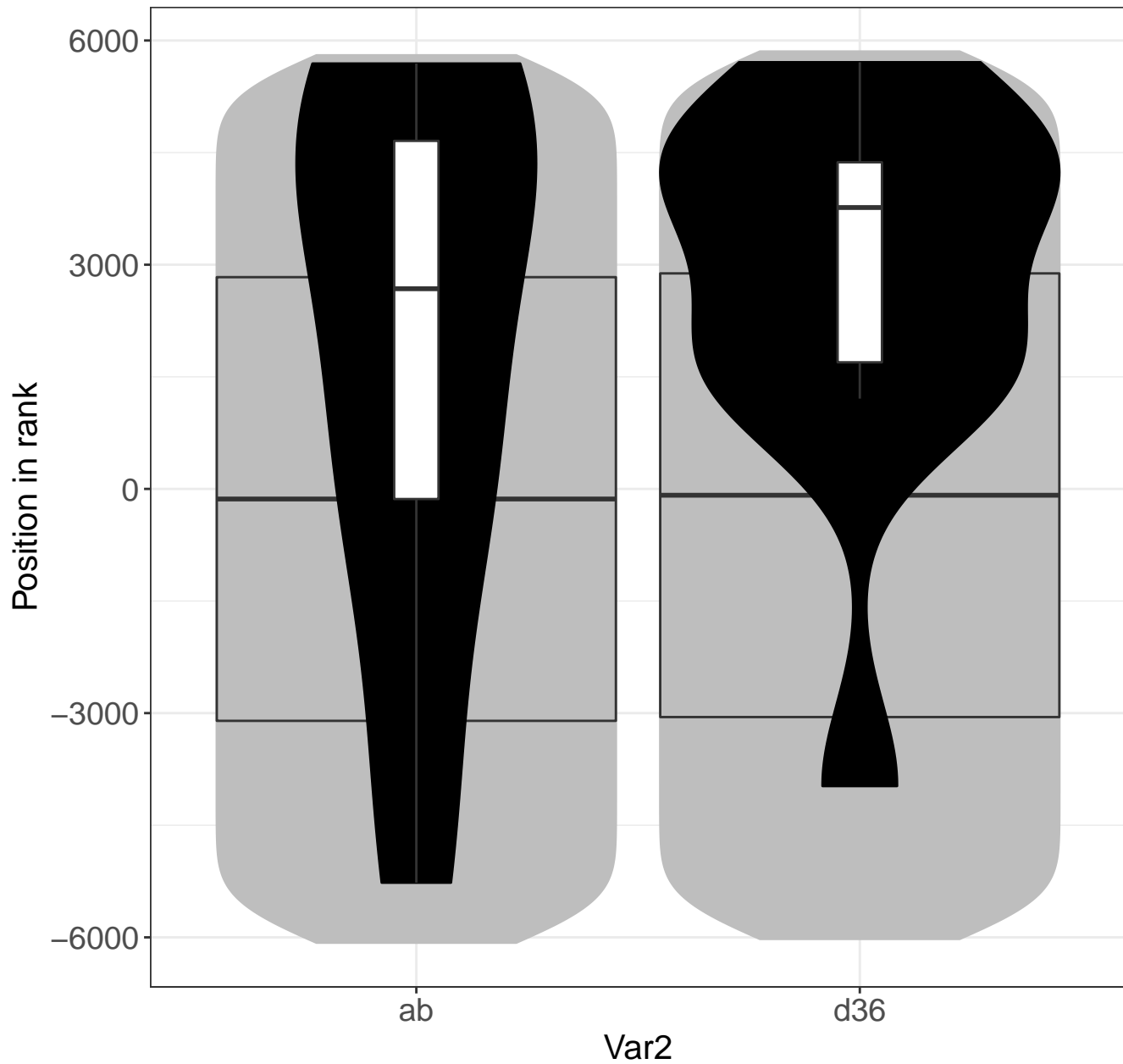
# Physiological-factors



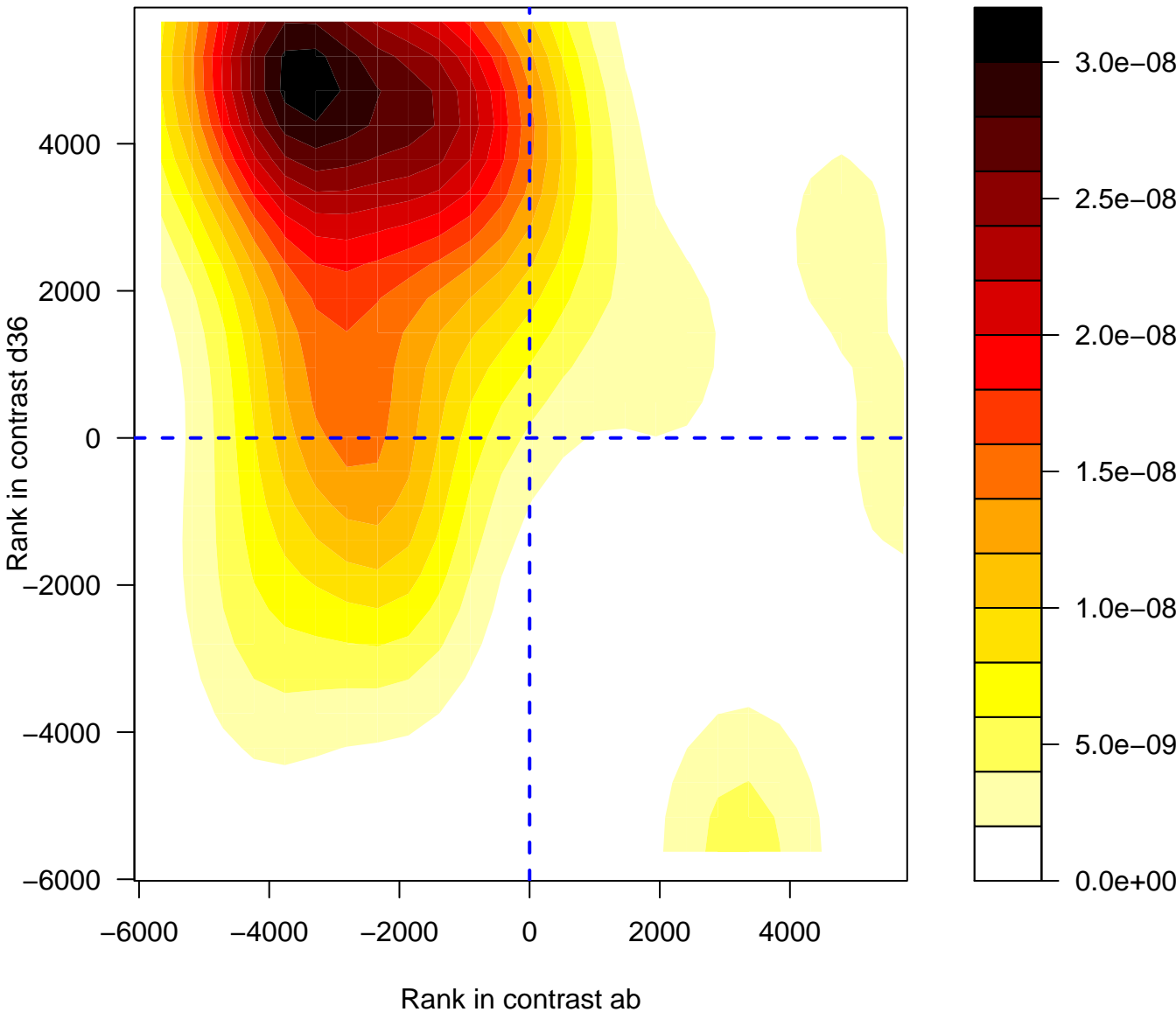
# Physiological-factors



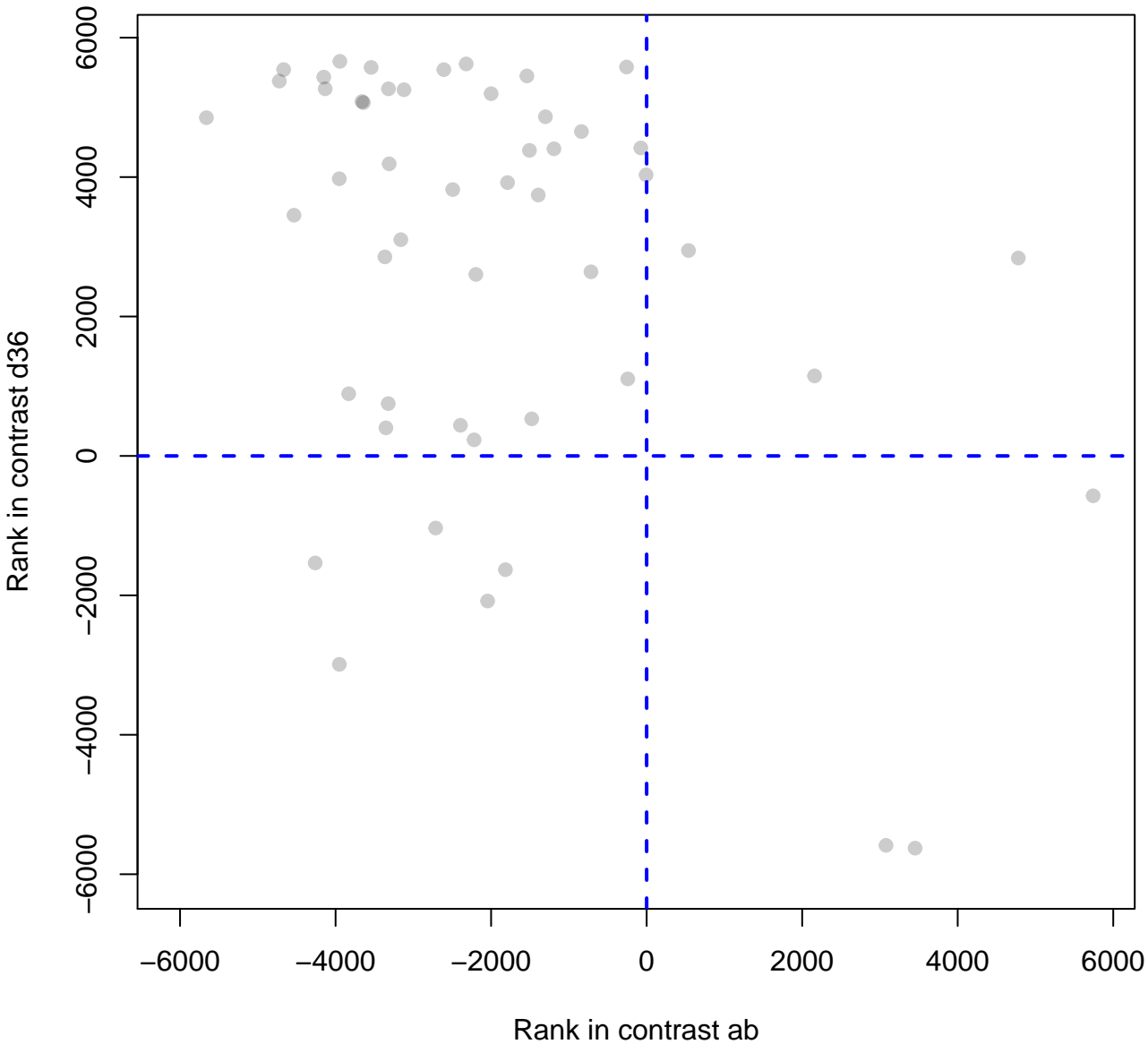
# Physiological-factors



# Pyruvate-metabolism-and-Citric-Acid-(TCA)-cycle

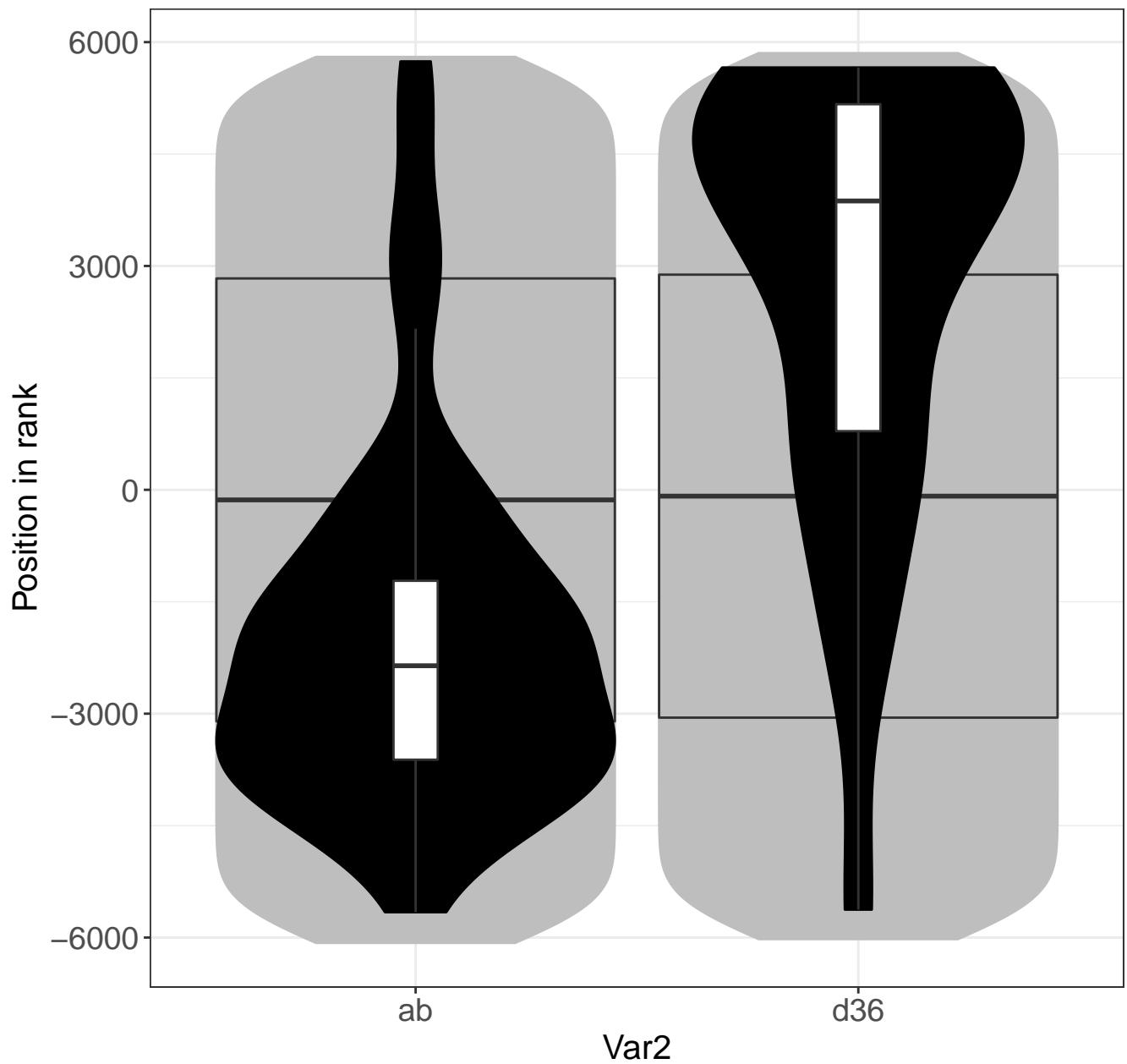


# Pyruvate-metabolism-and-Citric-Acid-(TCA)-cycle

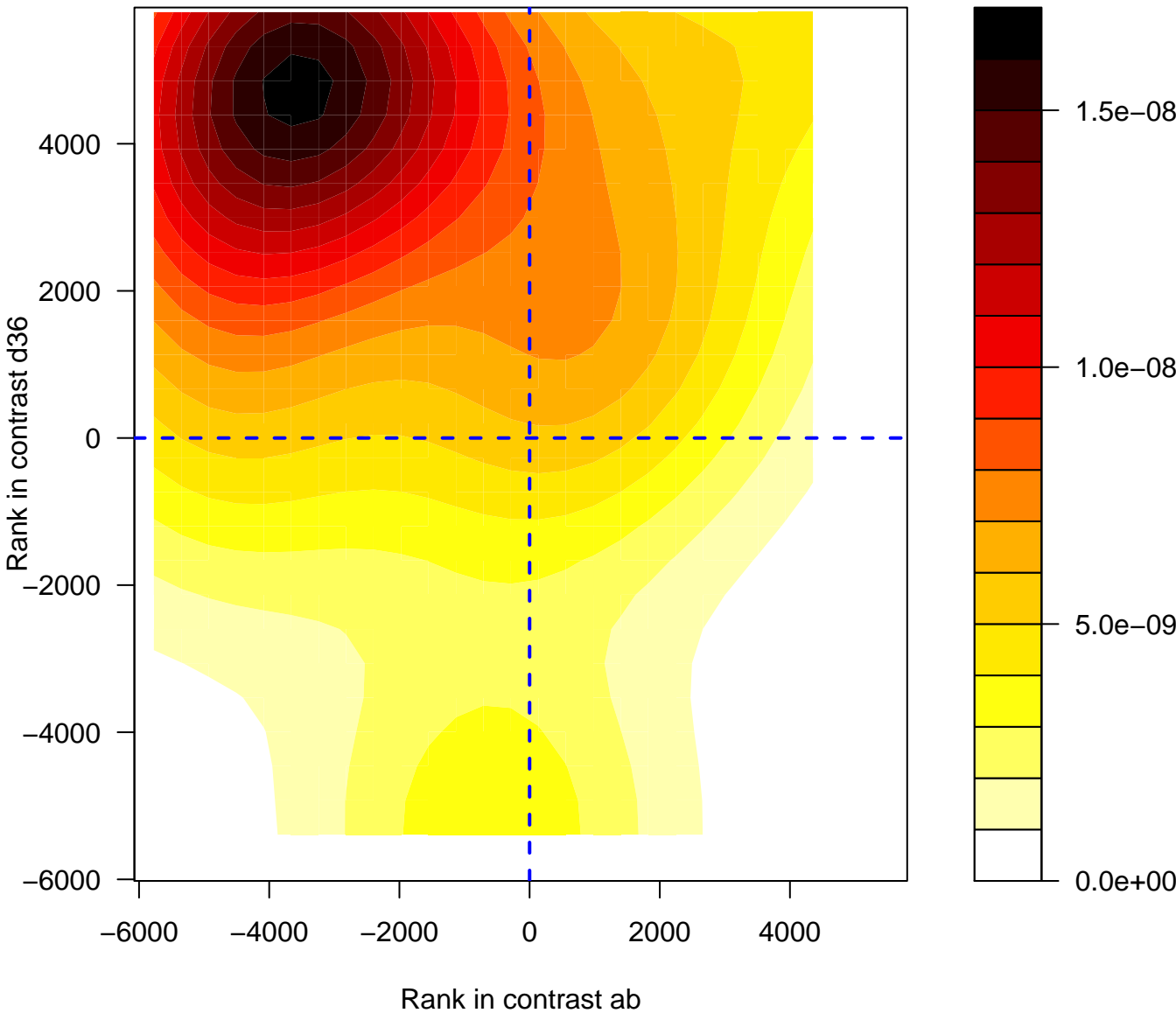




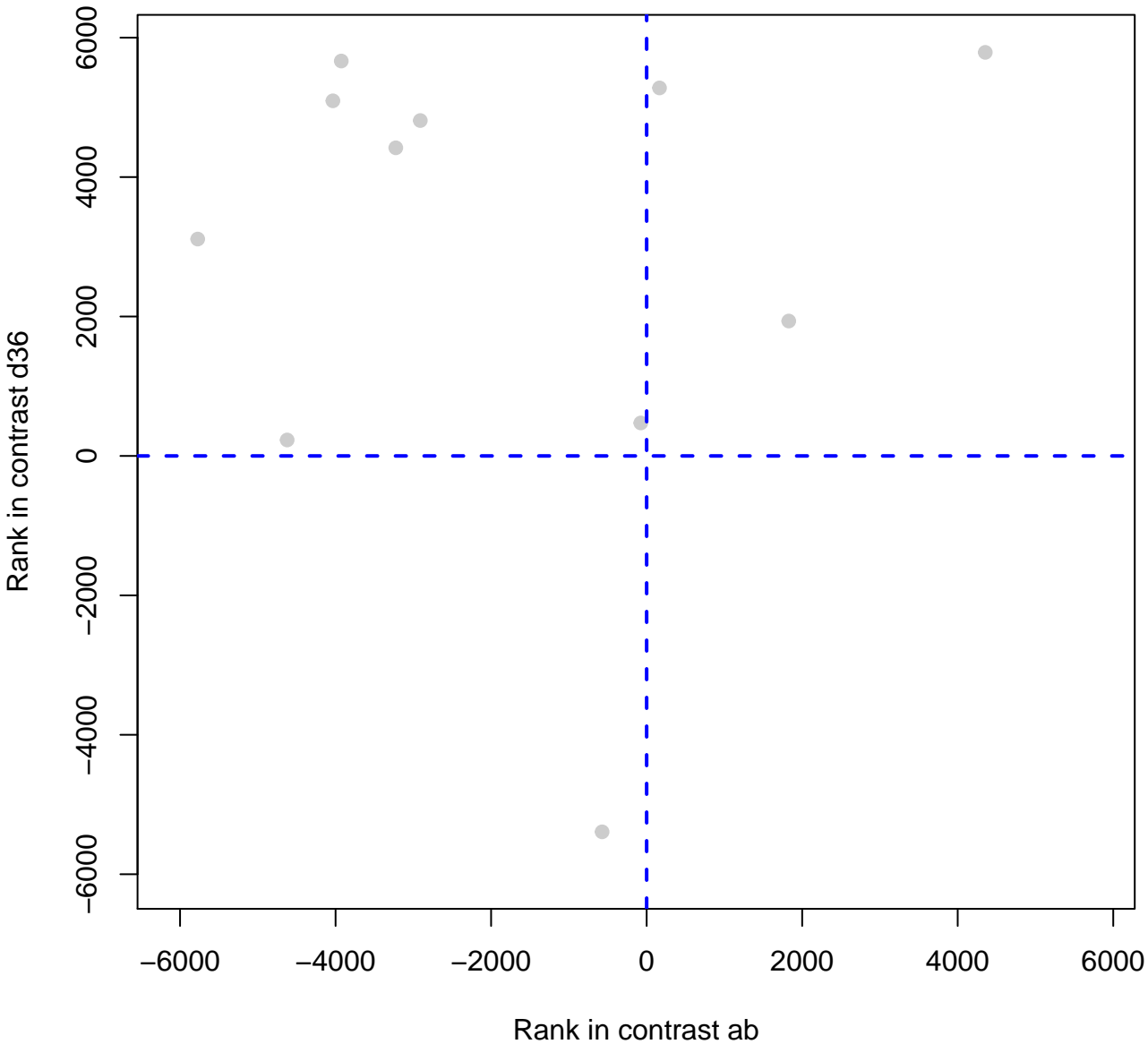
# Pyruvate-metabolism-and-Citric-Acid-(TCA)-cy



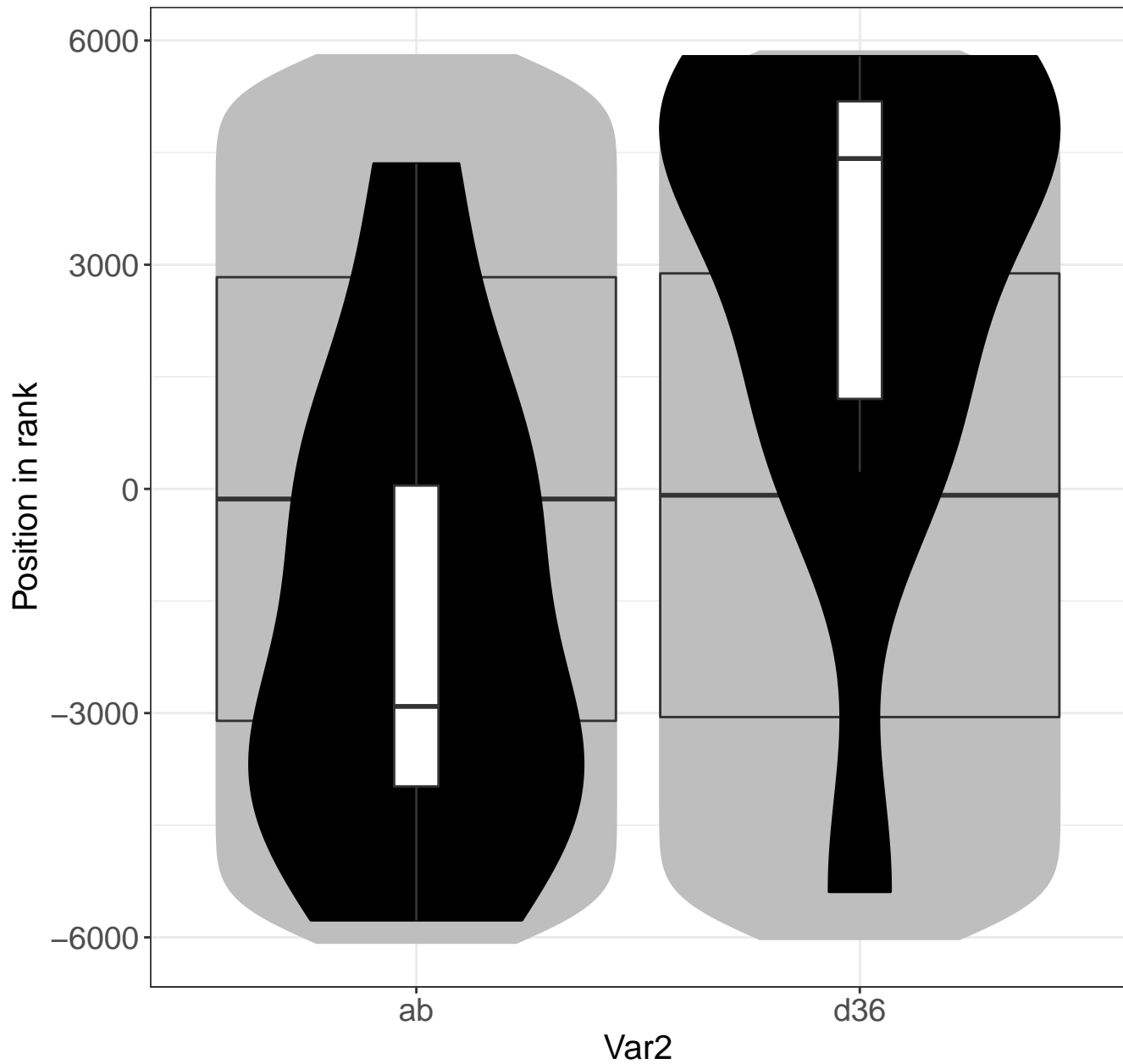
# PI-3K-cascade:FGFR3



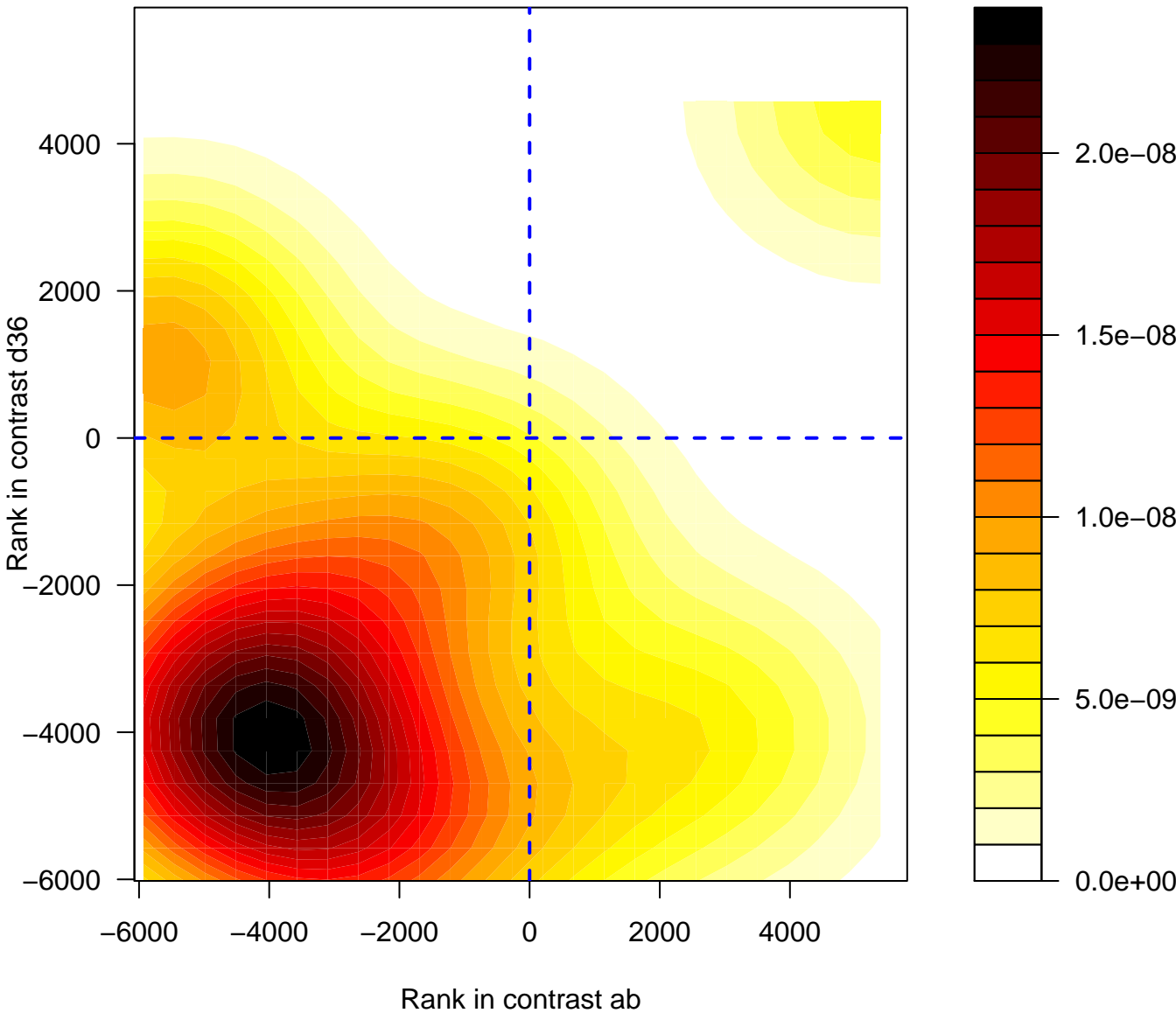
# PI-3K-cascade:FGFR3



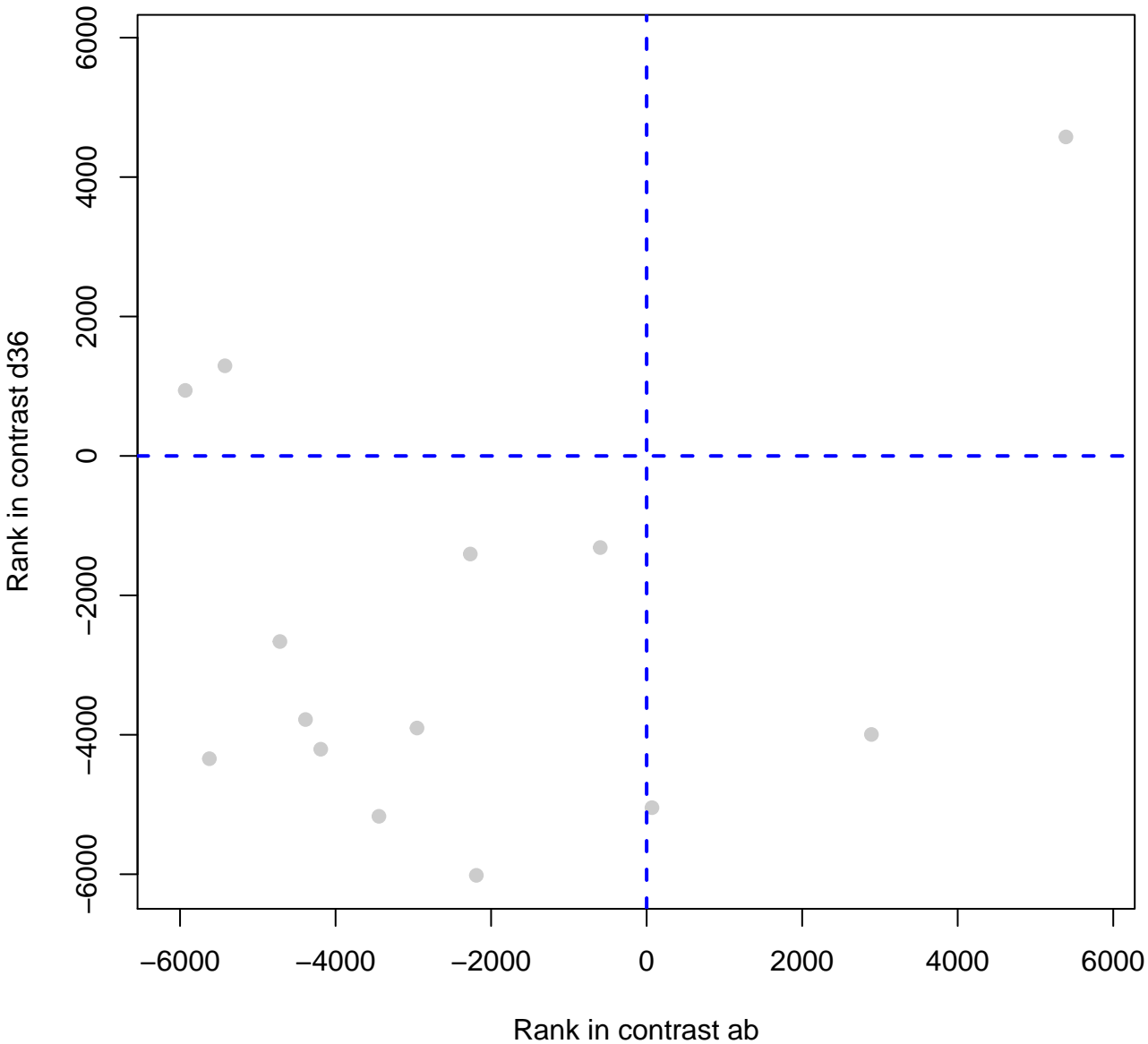
# PI-3K-cascade:FGFR3



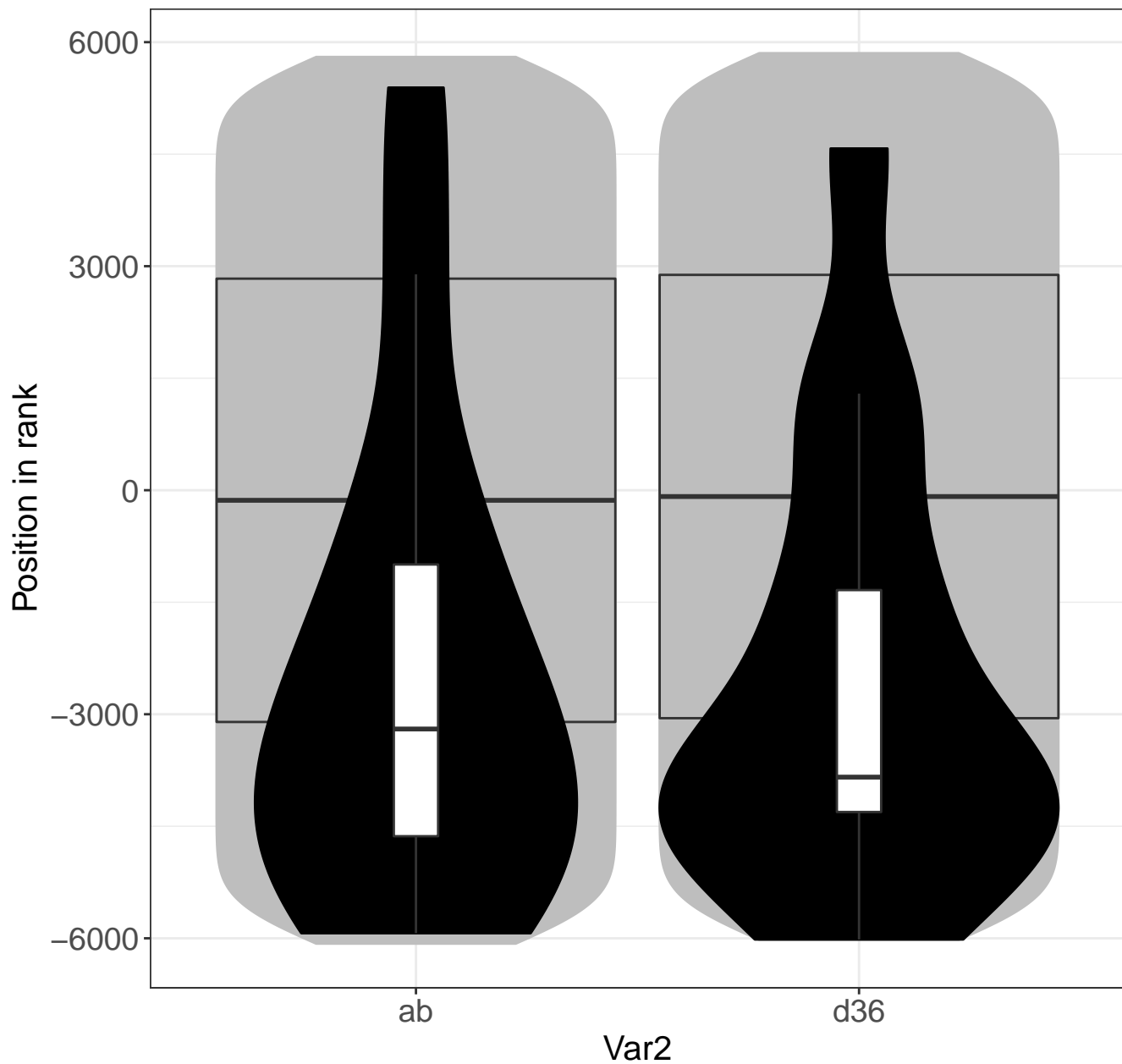
# Constitutive-Signaling-by-NOTCH1-HD-Domain-Mutan



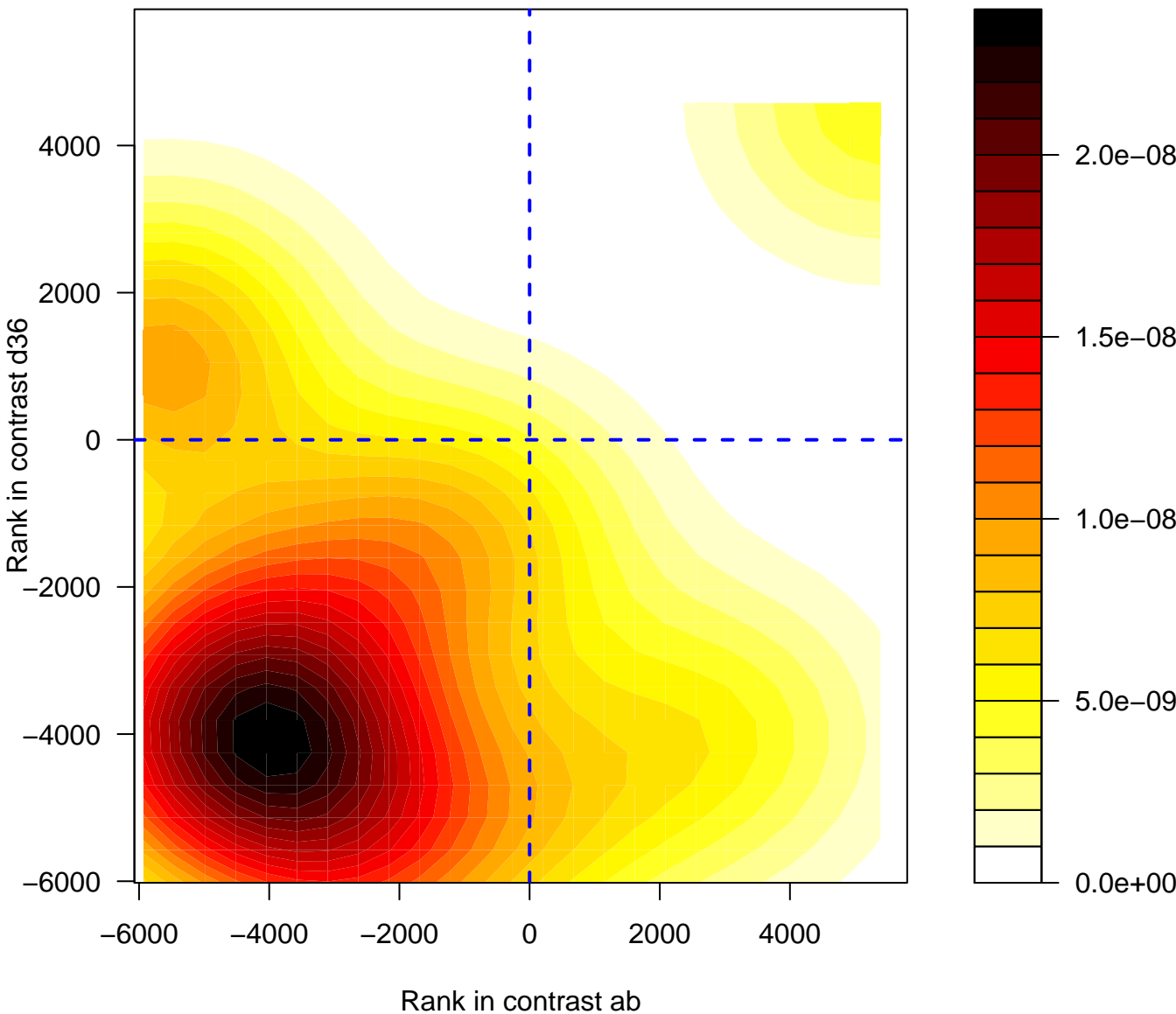
# Constitutive-Signaling-by-NOTCH1-HD-Domain-Mutants



# Constitutive-Signaling-by-NOTCH1-HD-Domain

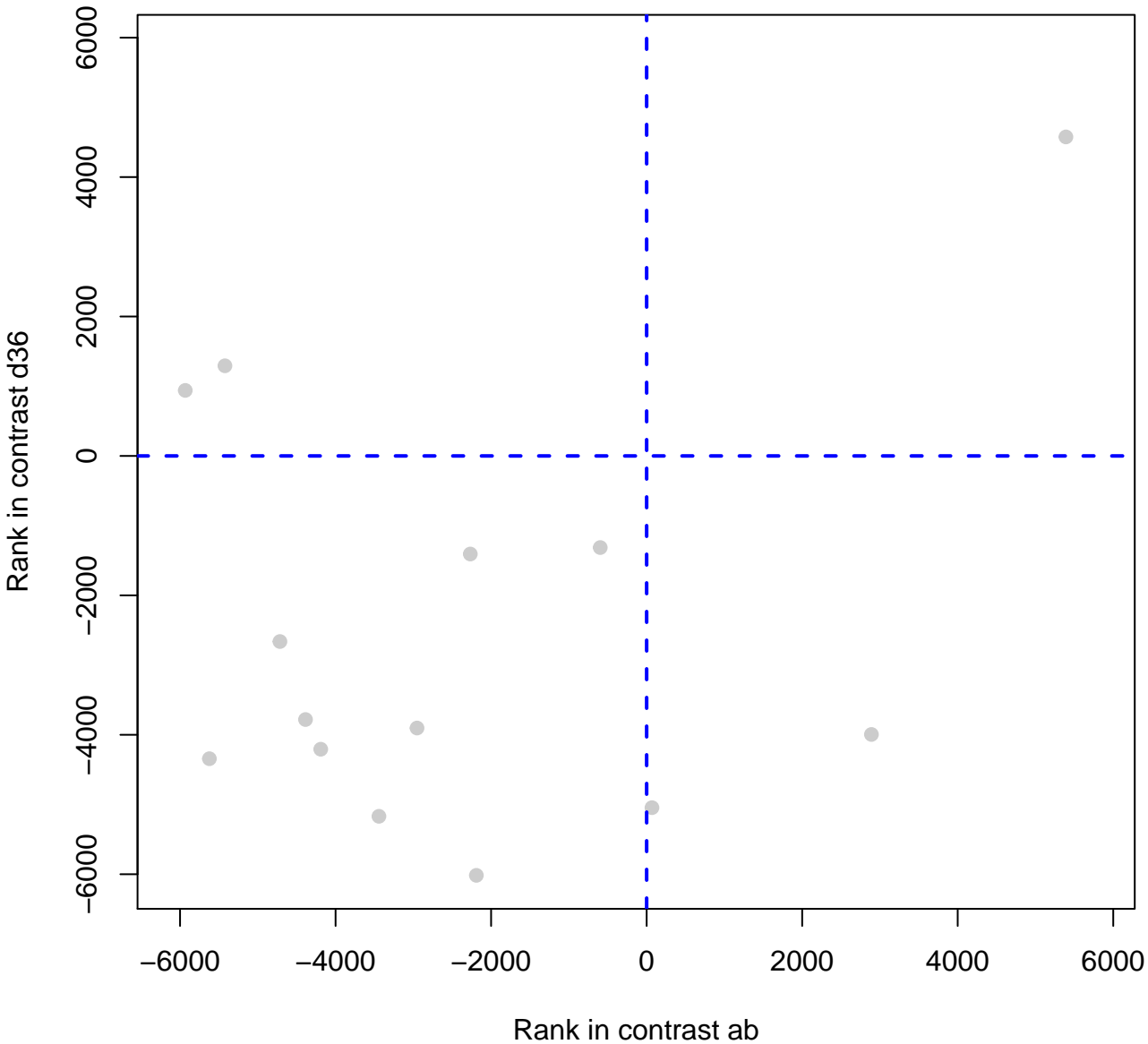


# Signaling-by-NOTCH1-HD-Domain-Mutants-in-Cance

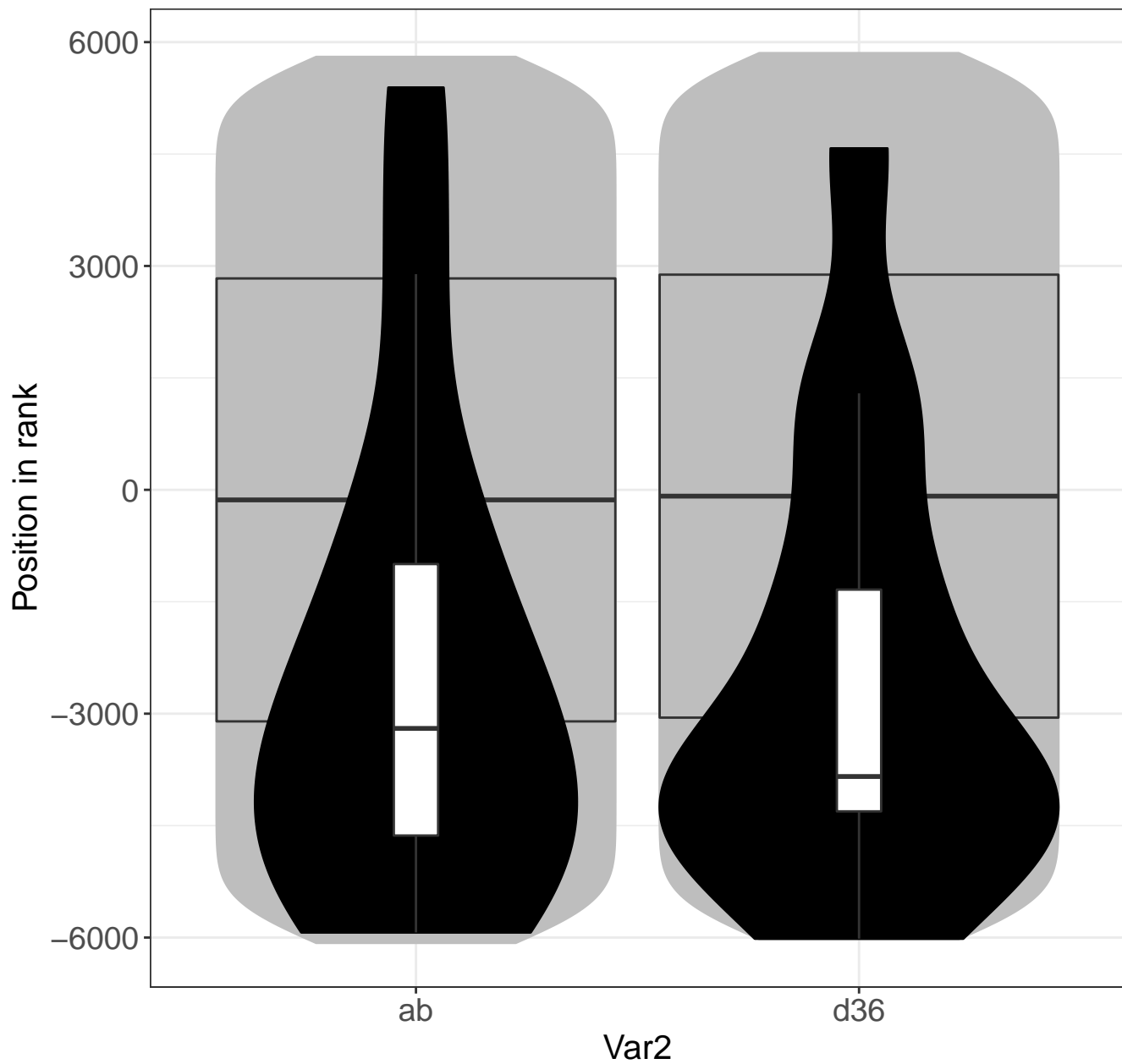




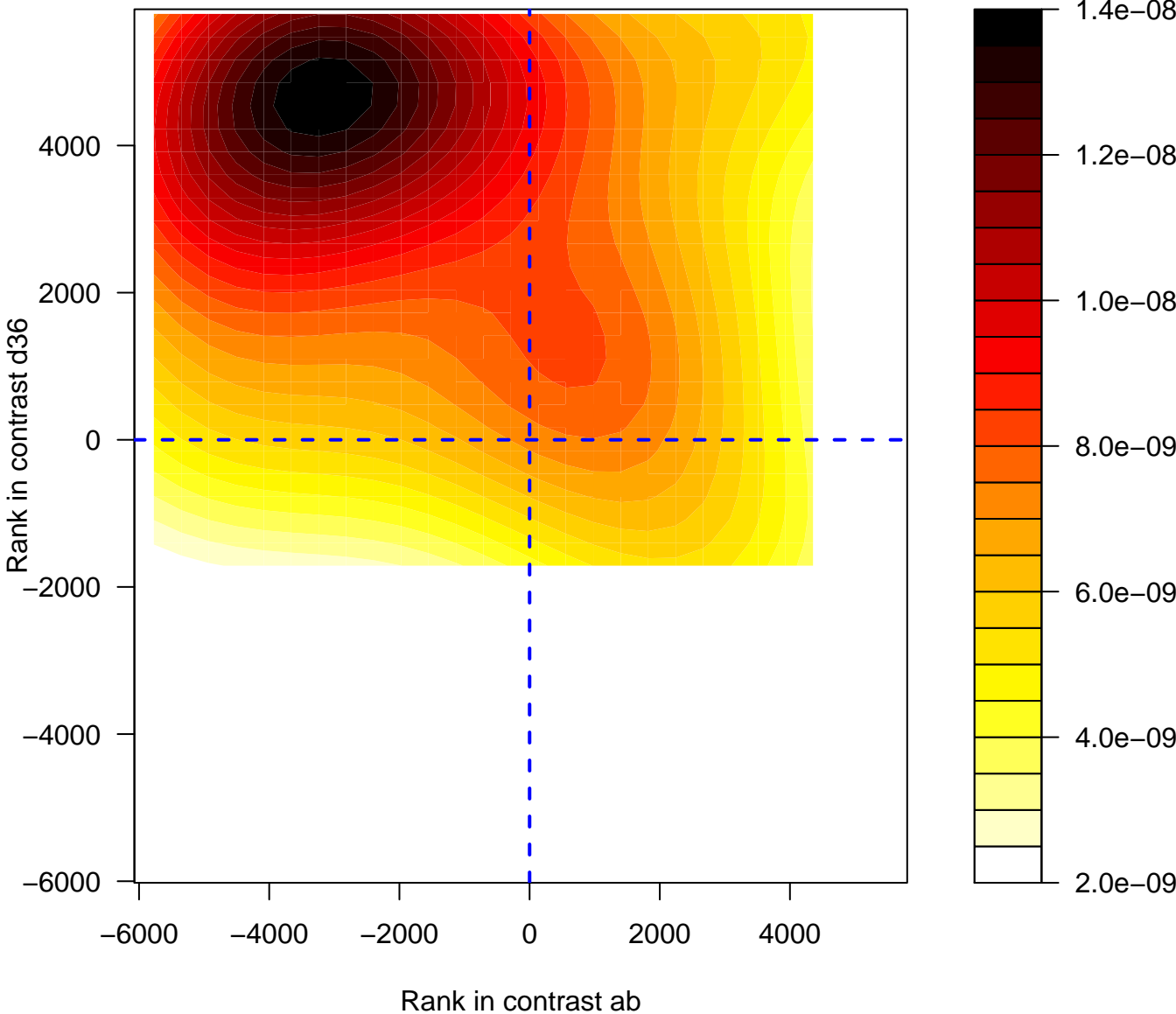
# Signaling-by-NOTCH1-HD-Domain-Mutants-in-Cancer



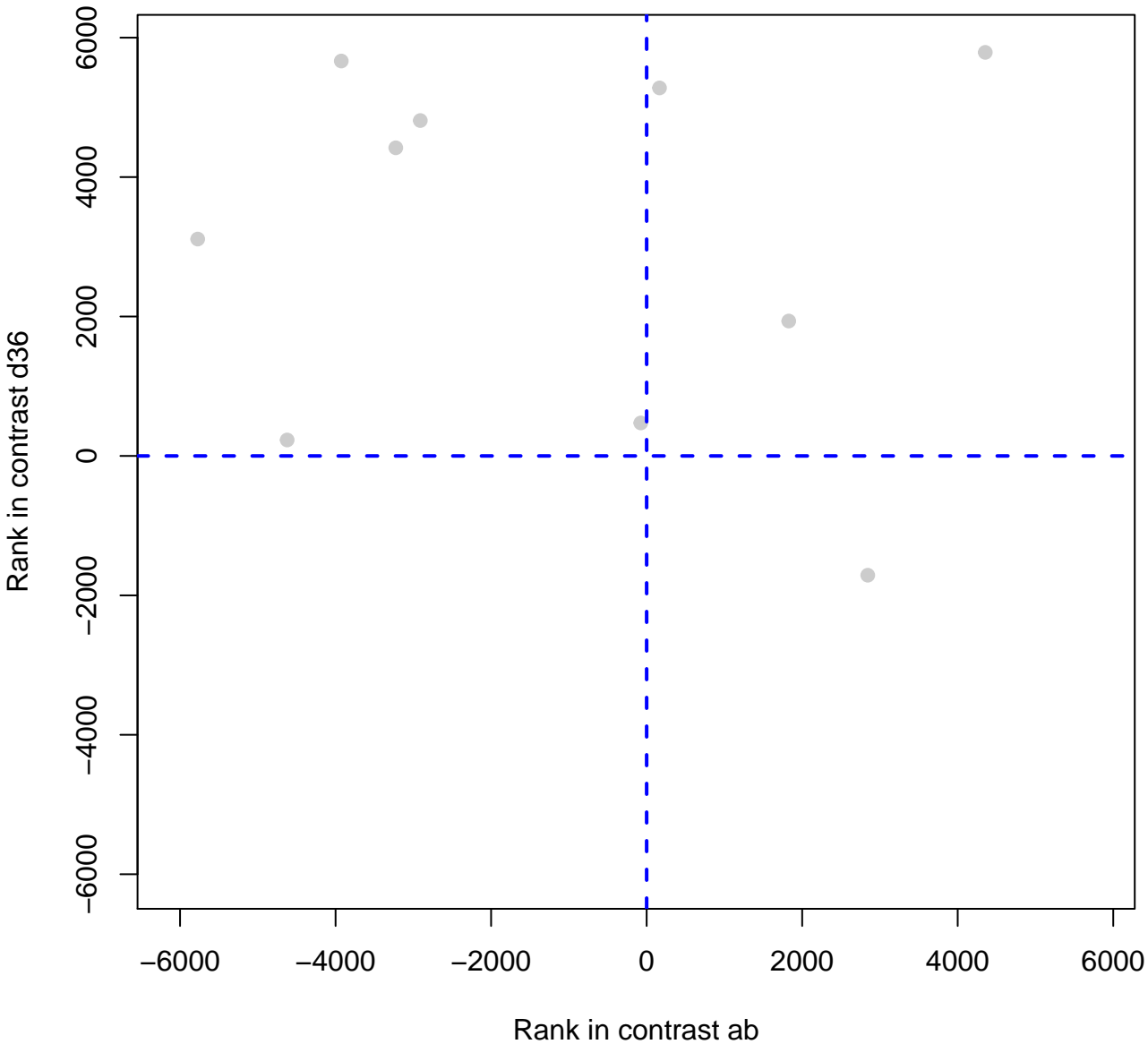
# Signaling-by-NOTCH1-HD-Domain-Mutants-in



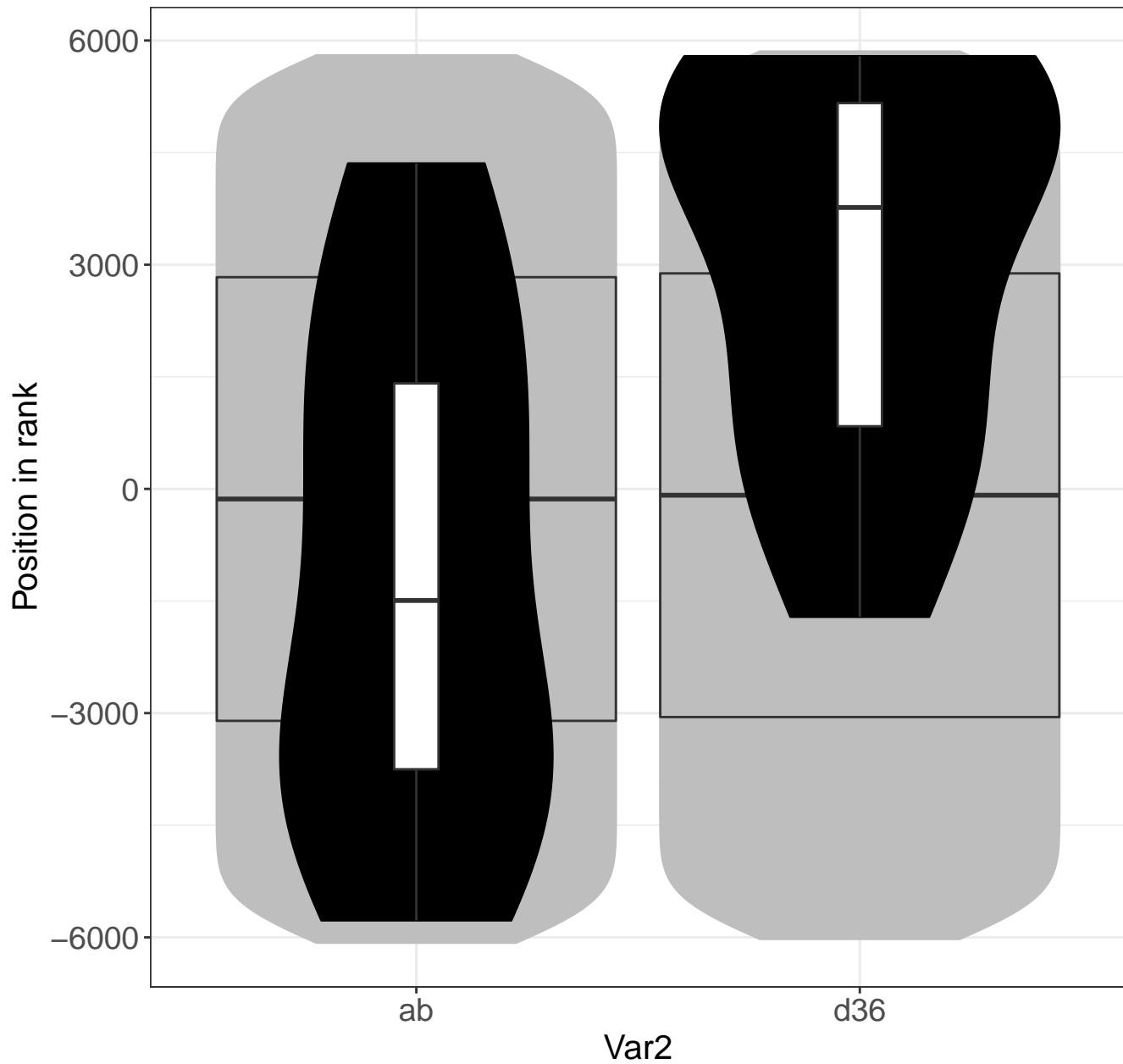
# PI-3K-cascade:FGFR1



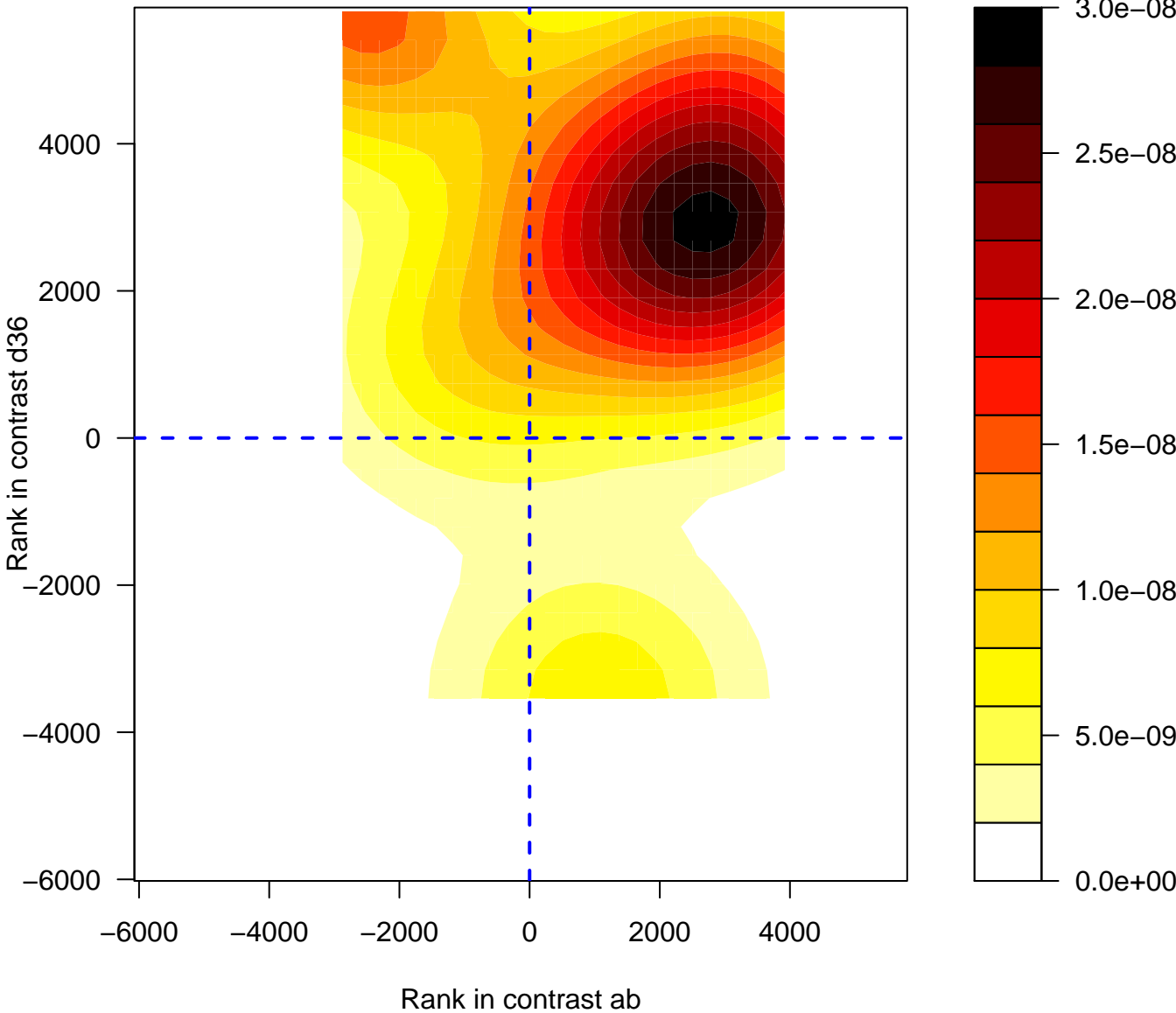
# PI-3K-cascade:FGFR1



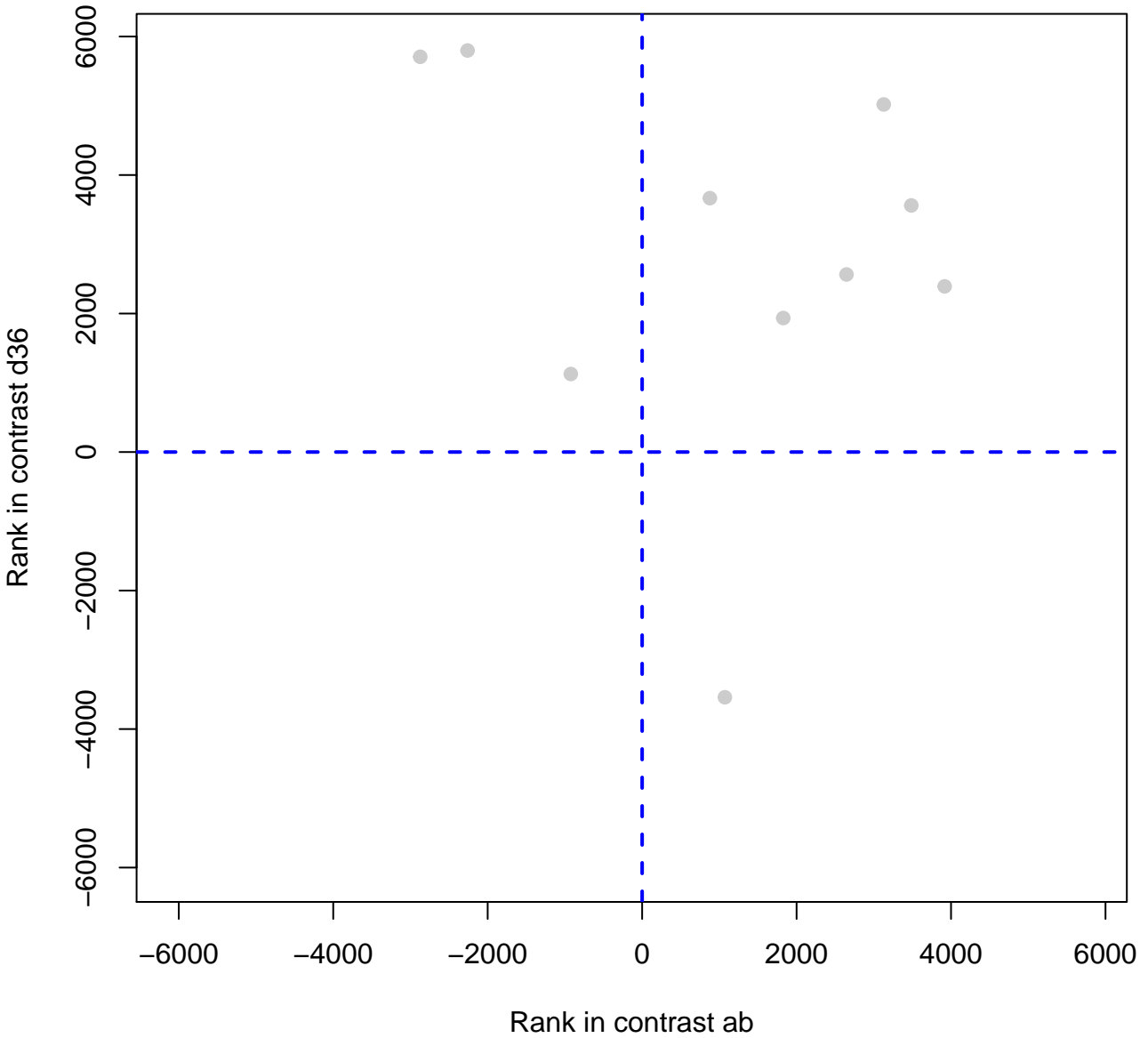
# PI-3K-cascade:FGFR1



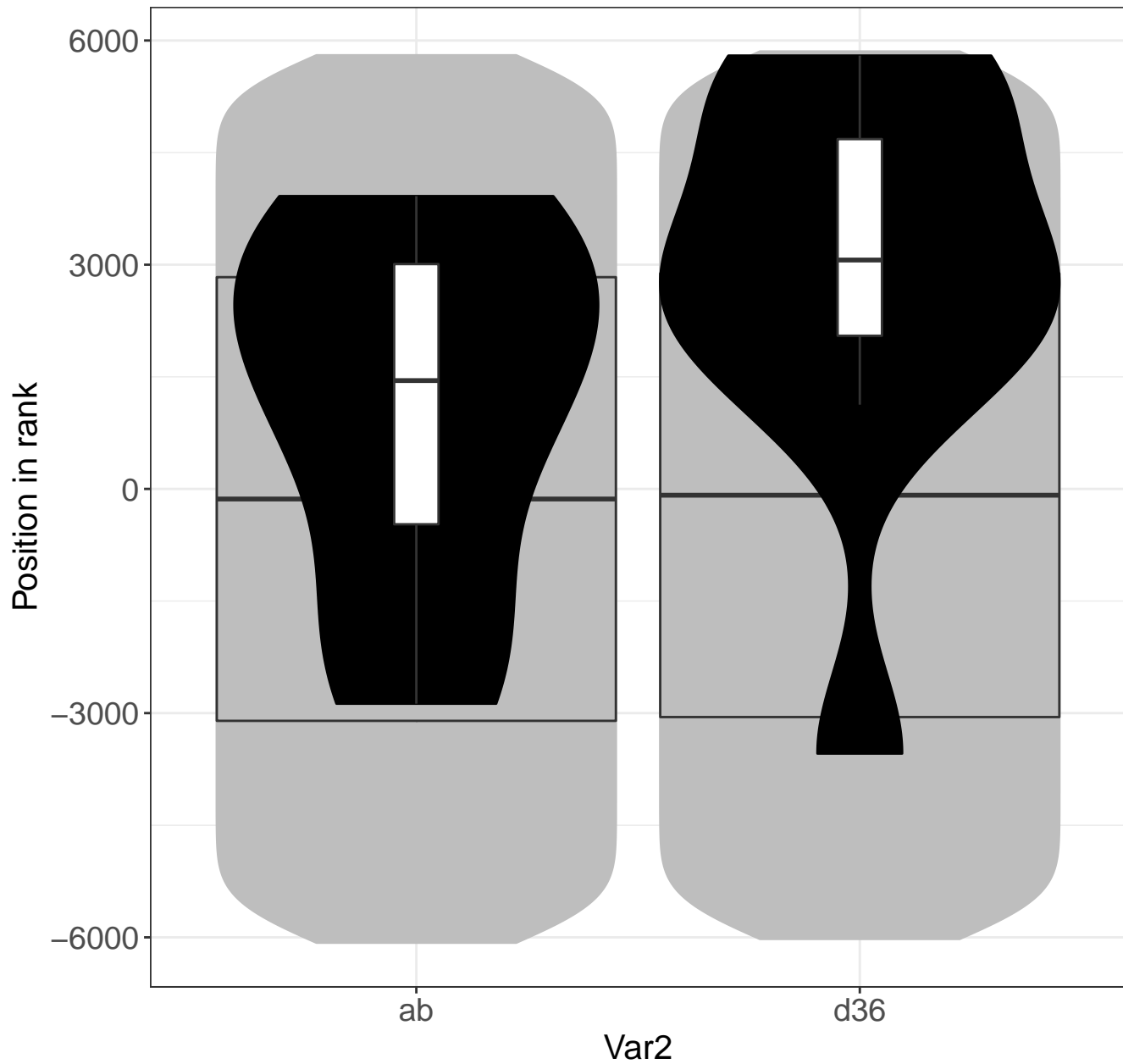
# Prolactin-receptor-signaling



# Prolactin-receptor-signaling

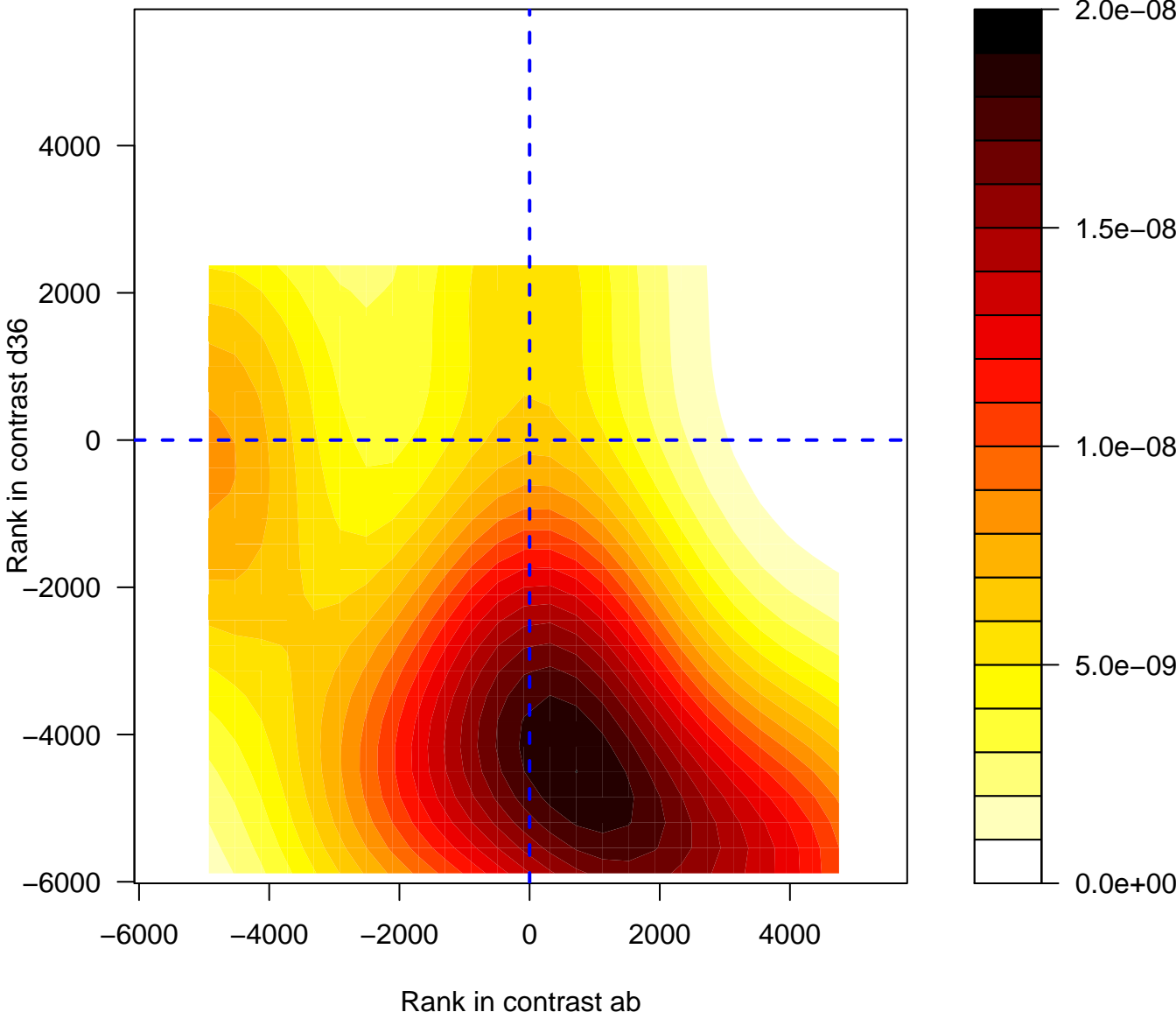


# Prolactin-receptor-signaling

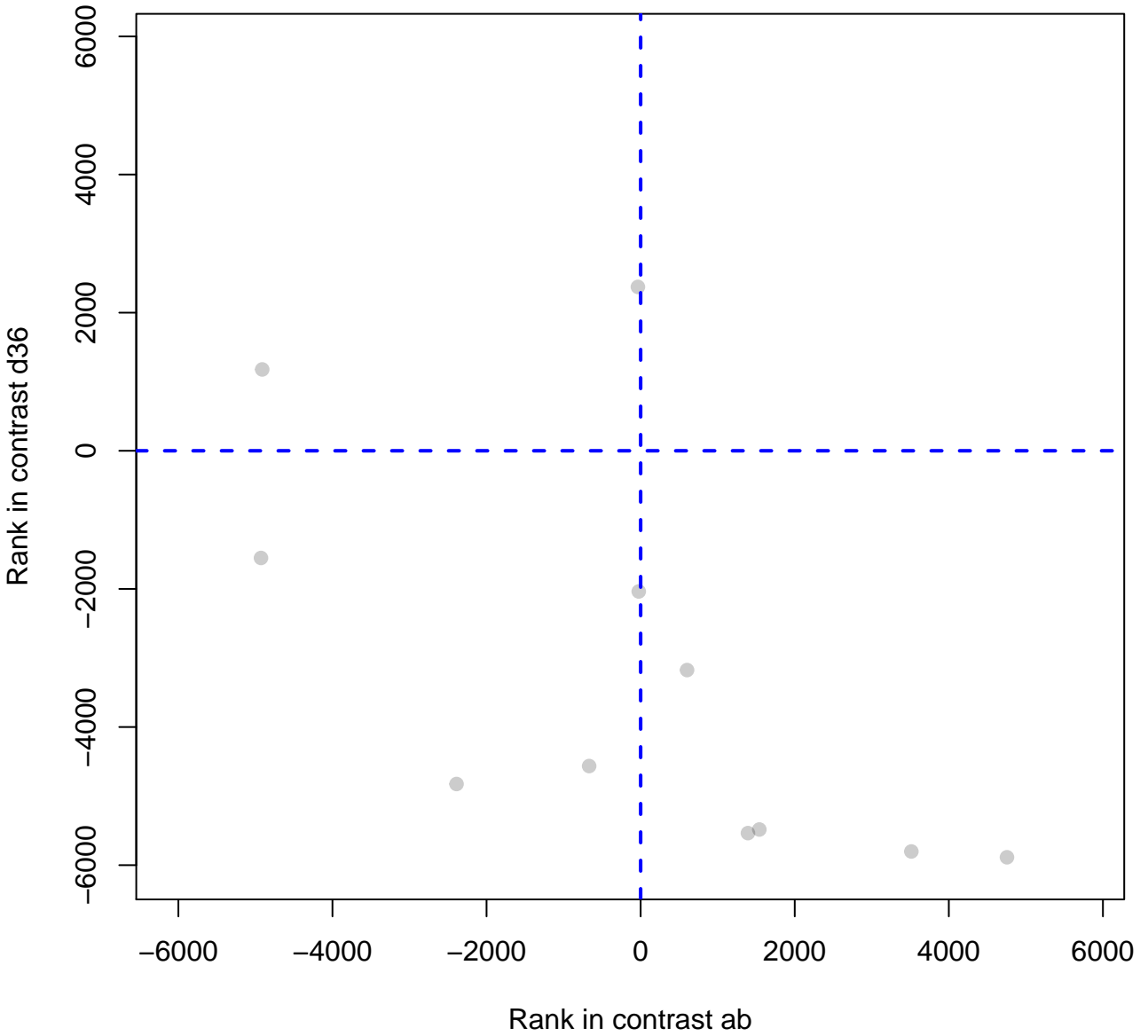




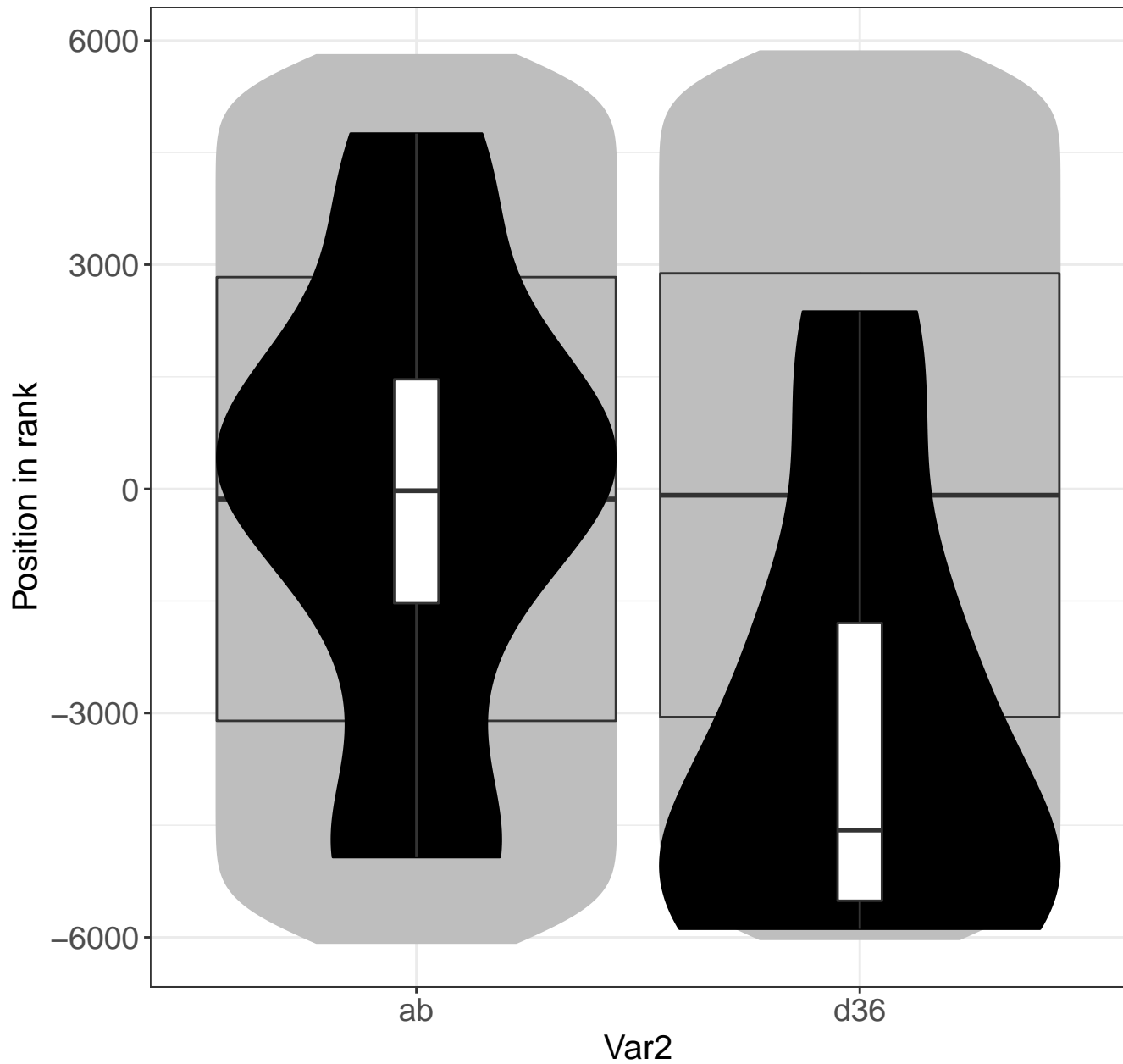
# eNOS-activation



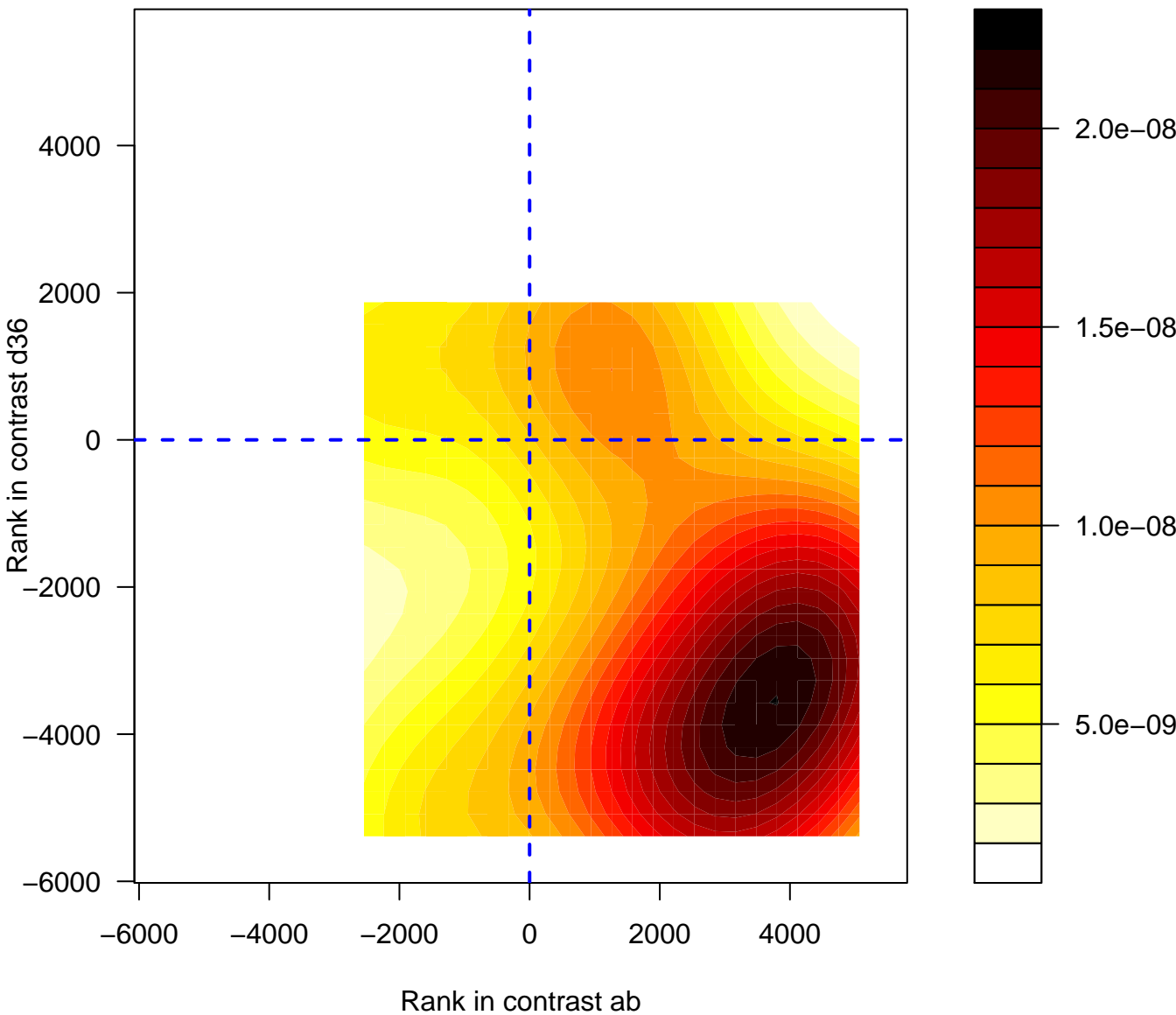
# eNOS-activation



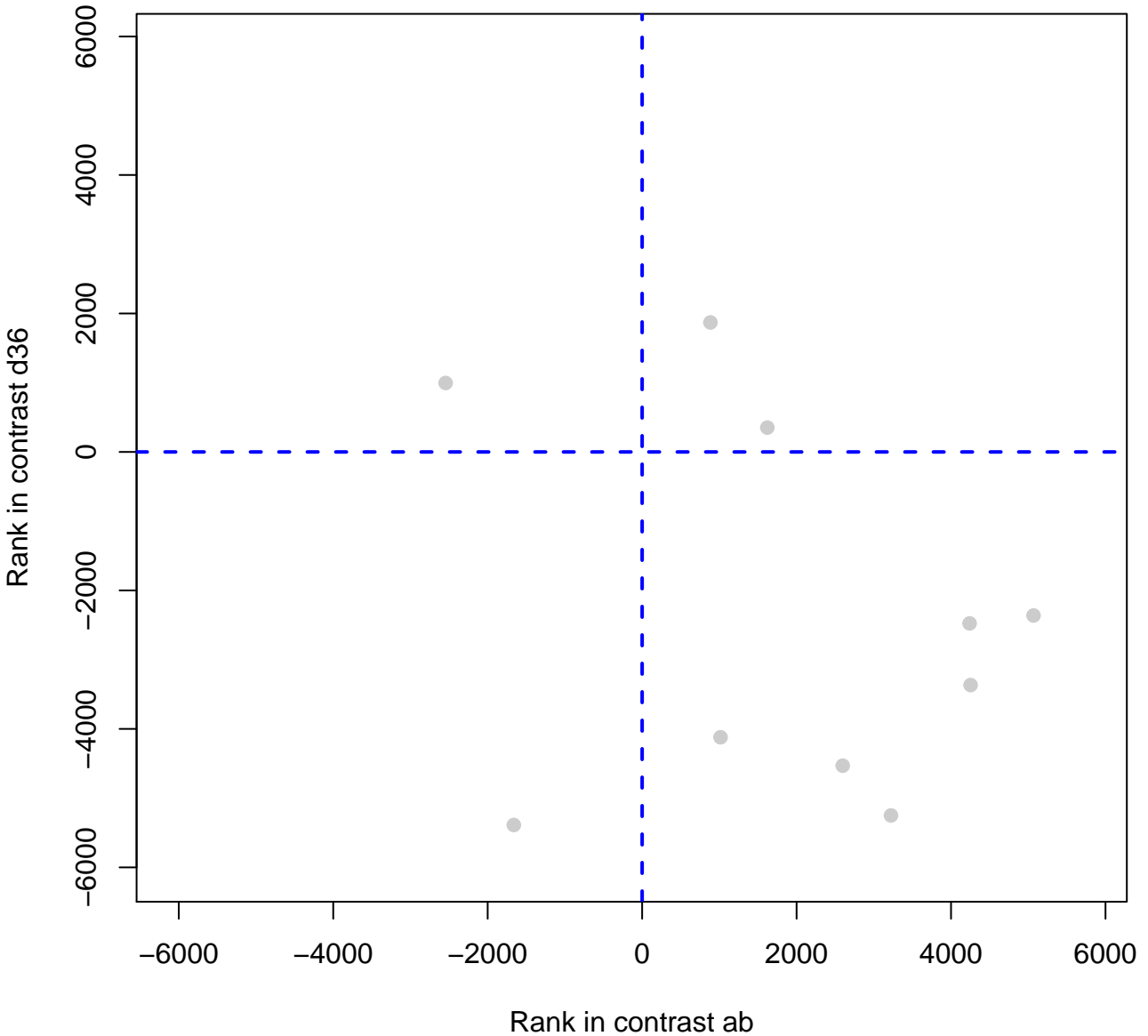
# eNOS-activation



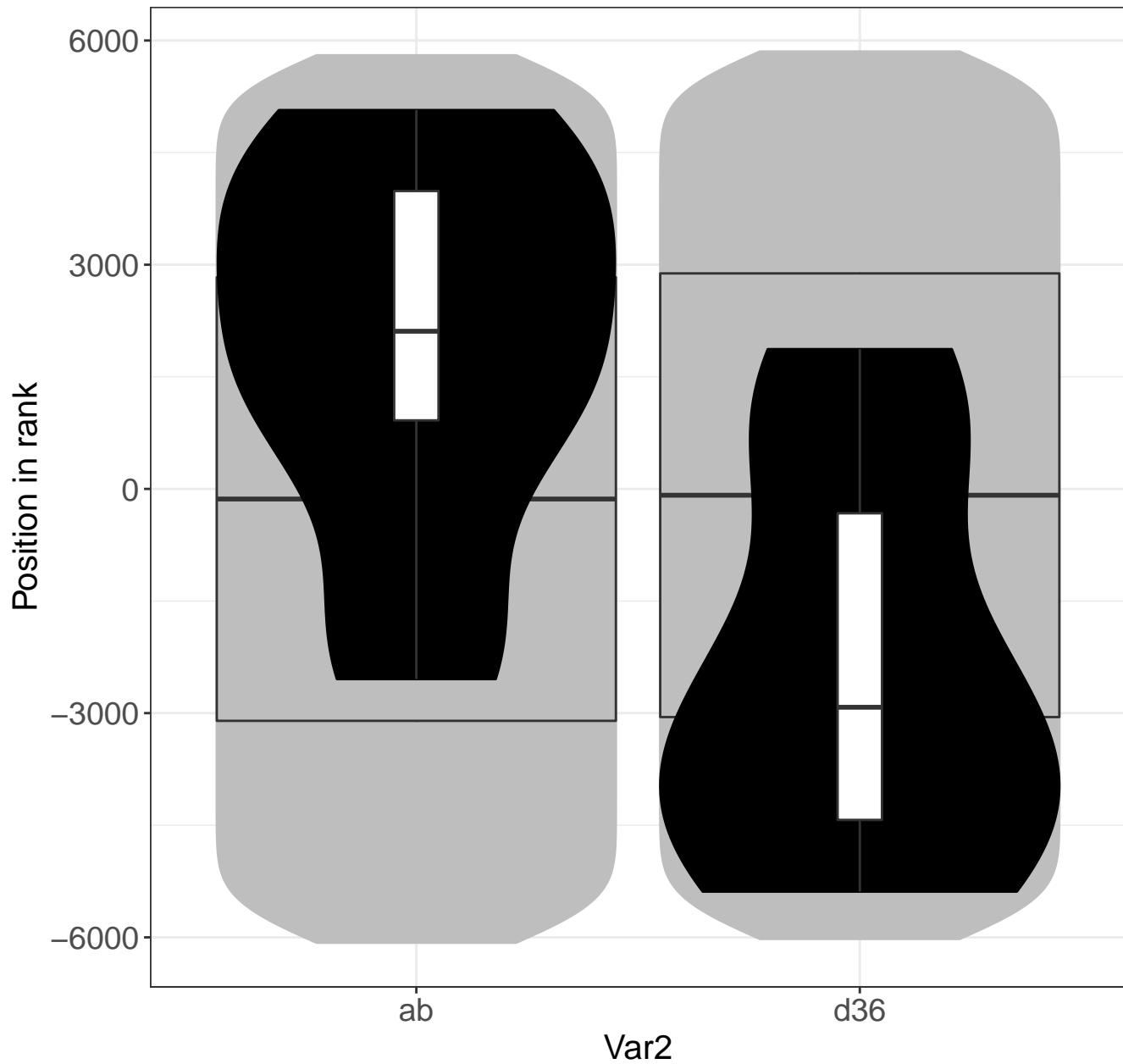
# CS/DS-degradation



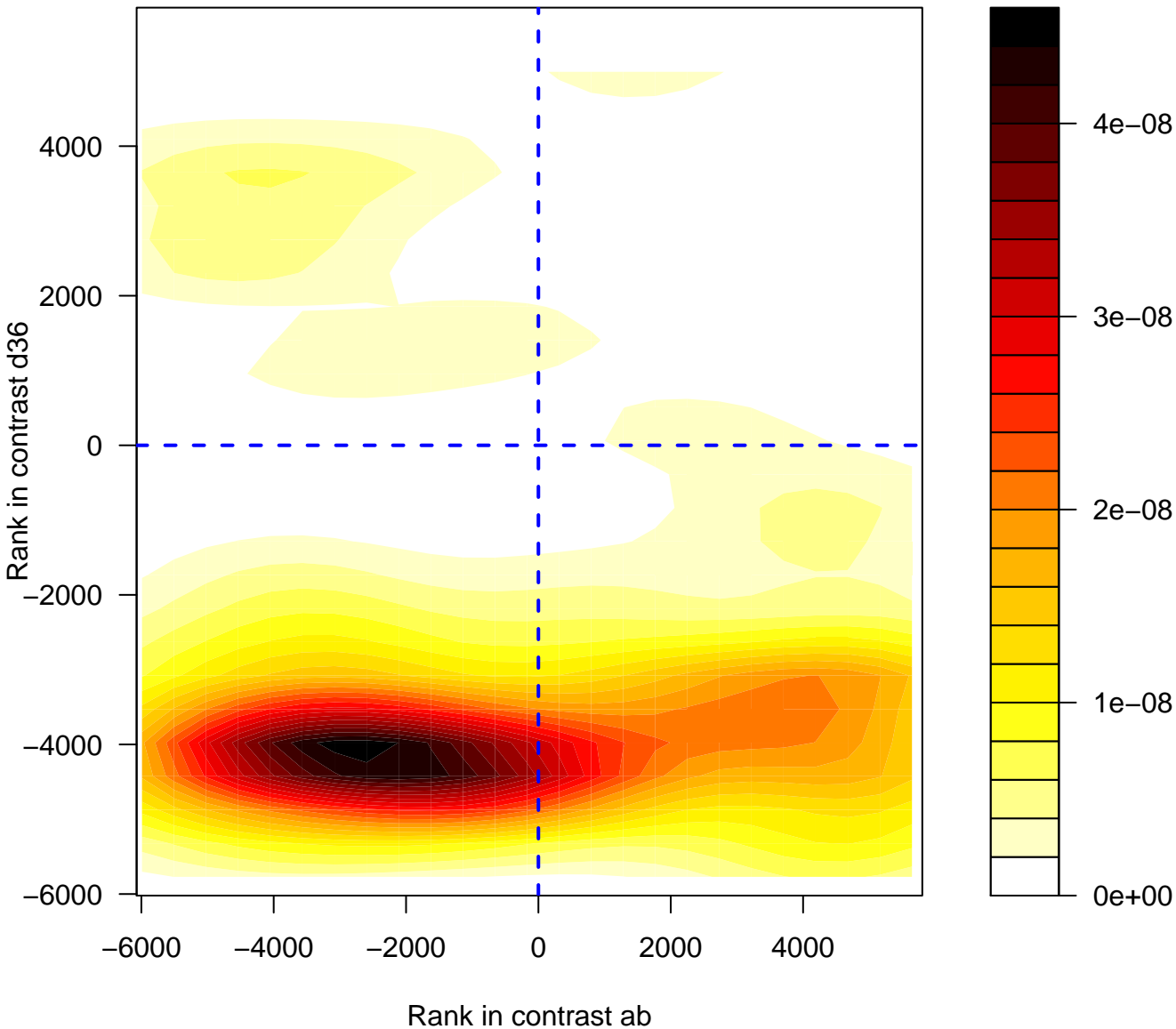
# CS/DS-degradation



# CS/DS-degradation



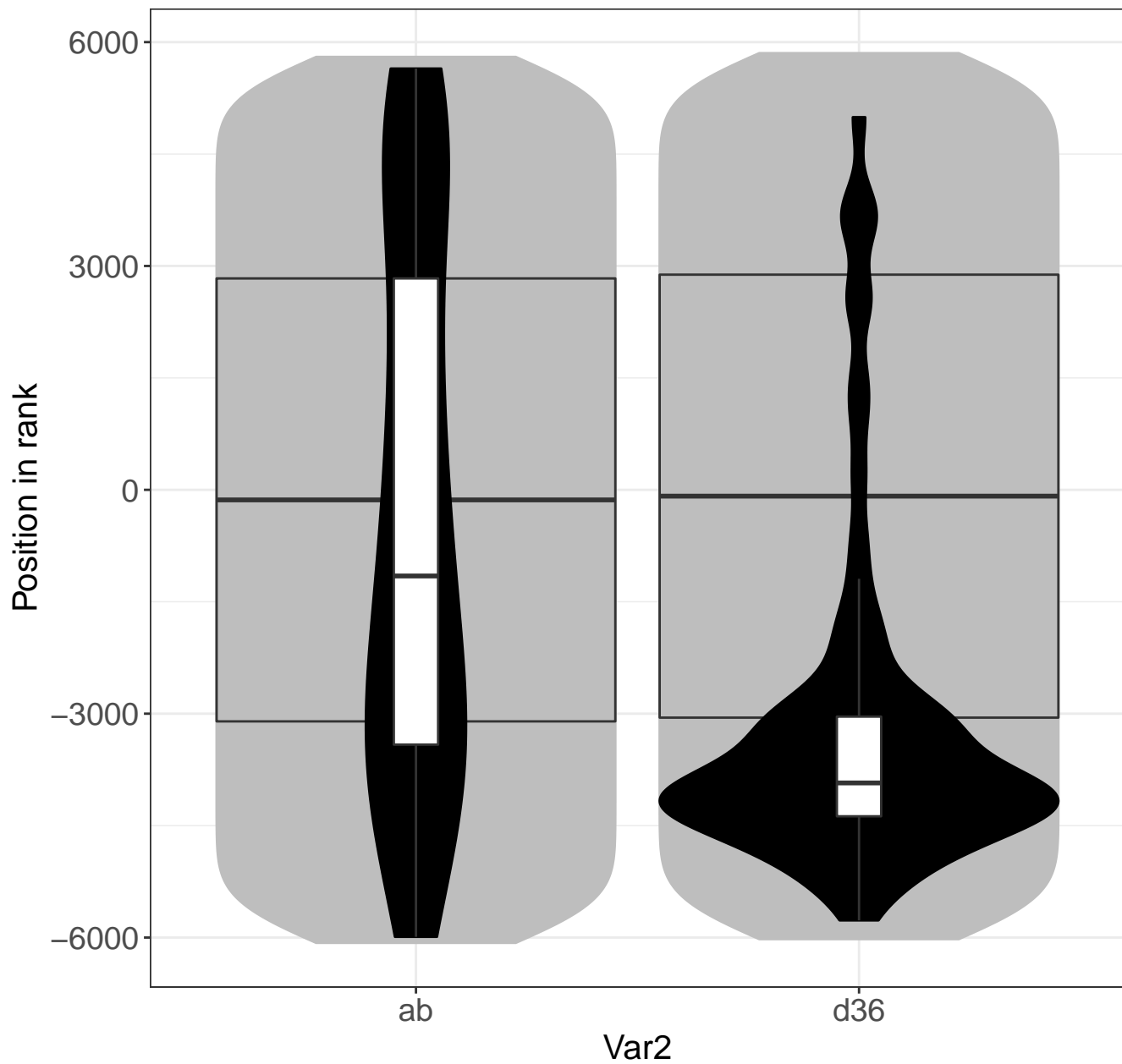
# Formation-of-a-pool-of-free-40S-subunits



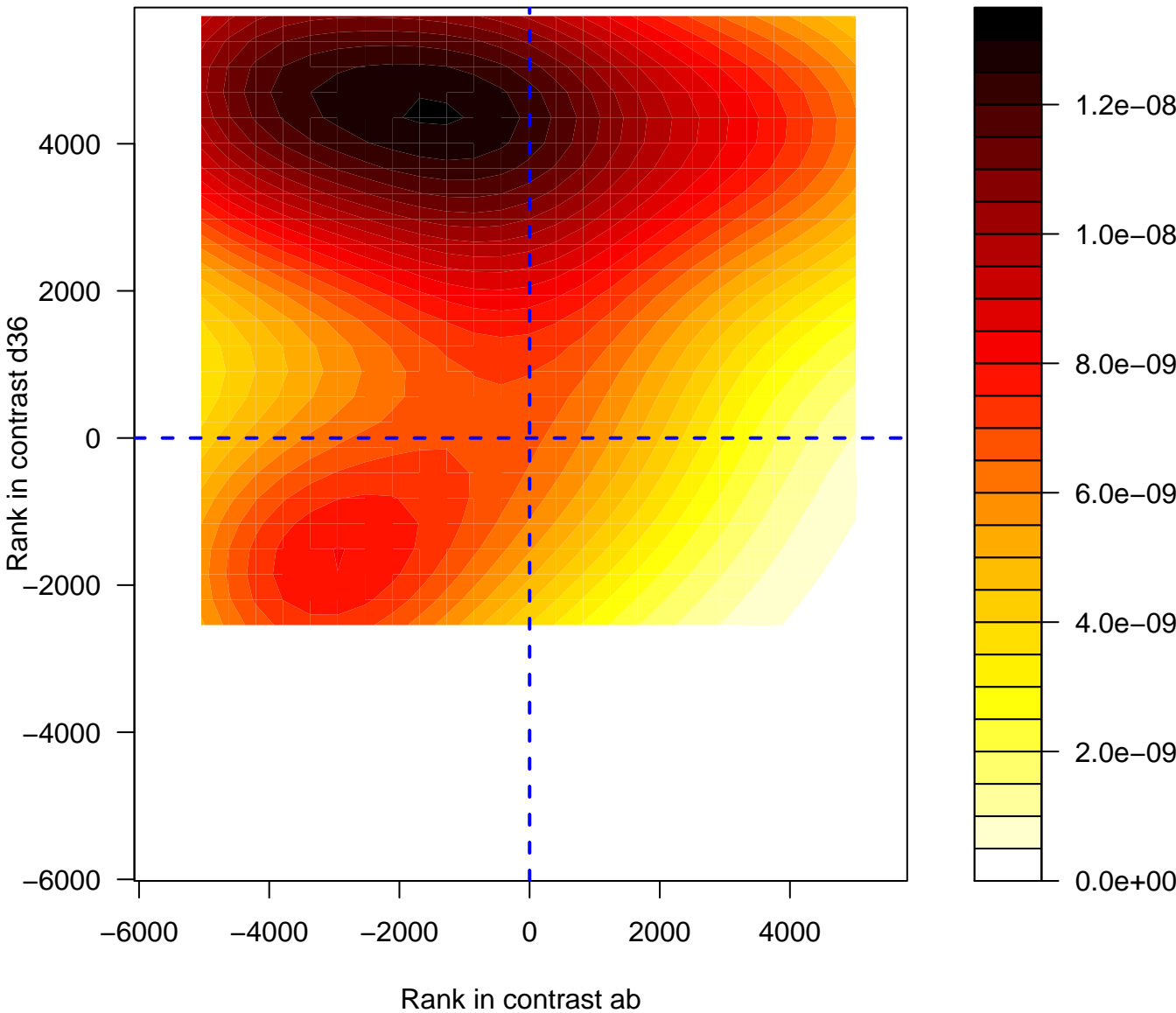




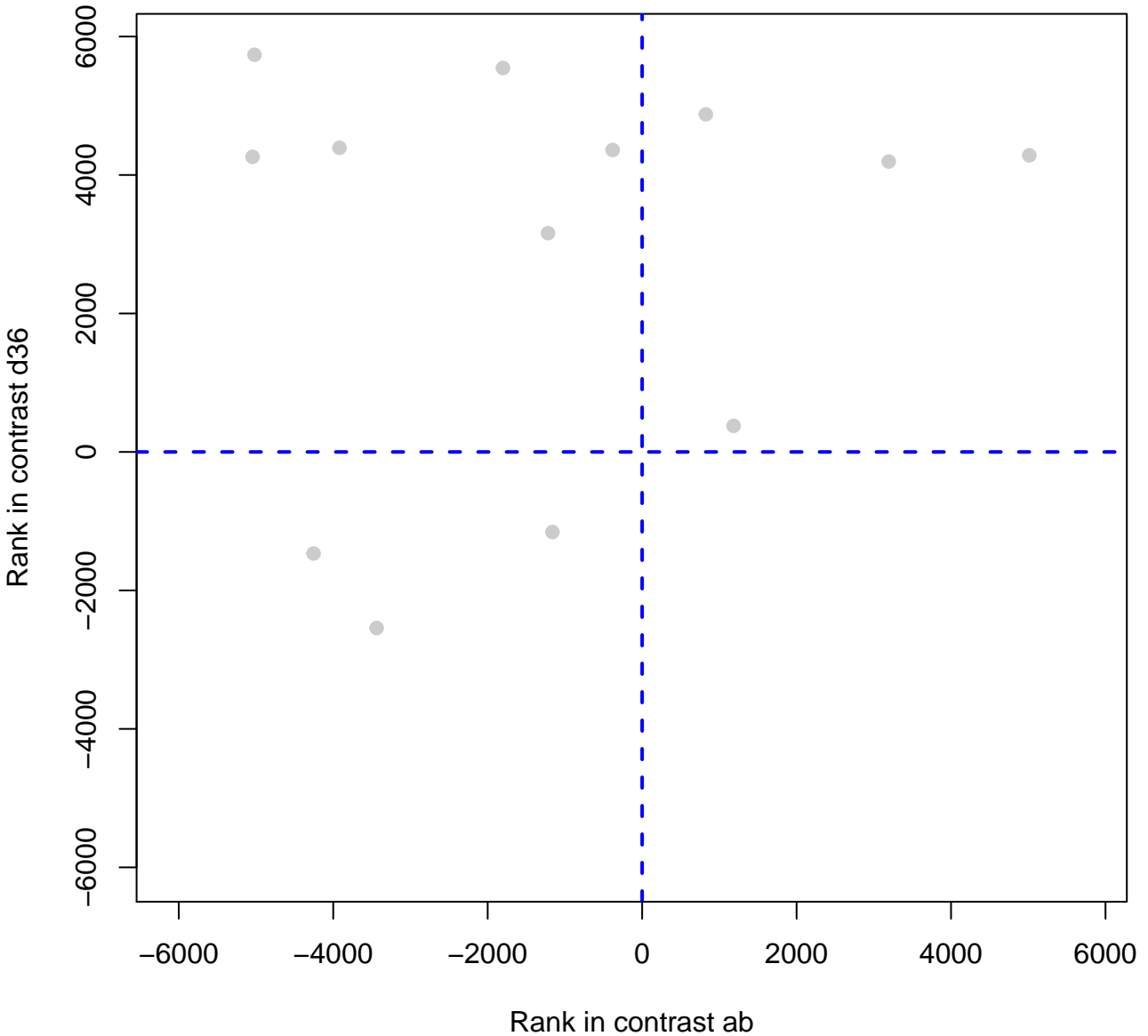
# Formation-of-a-pool-of-free-40S-subunits



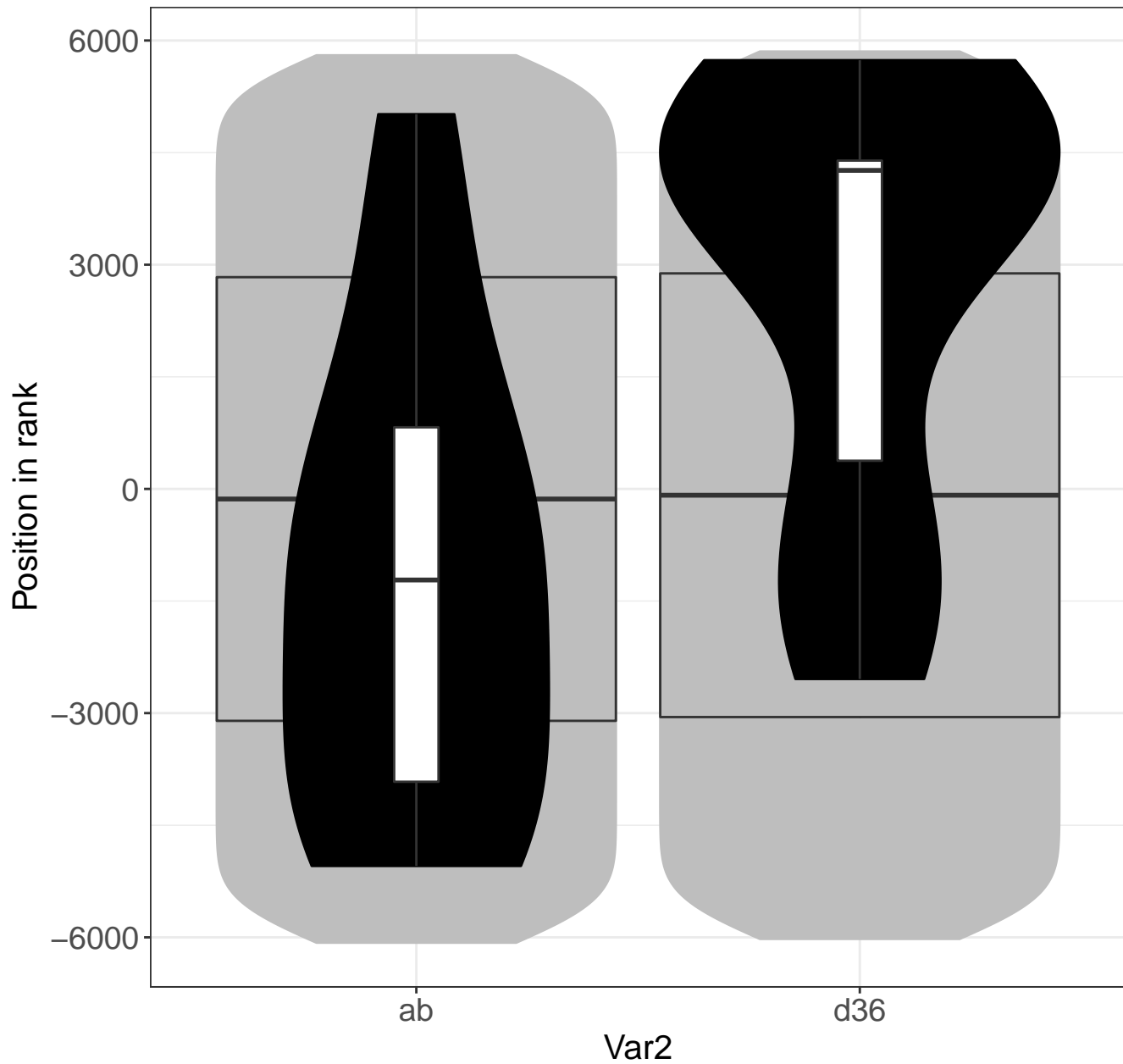
# Voltage-gated-Potassium-channels



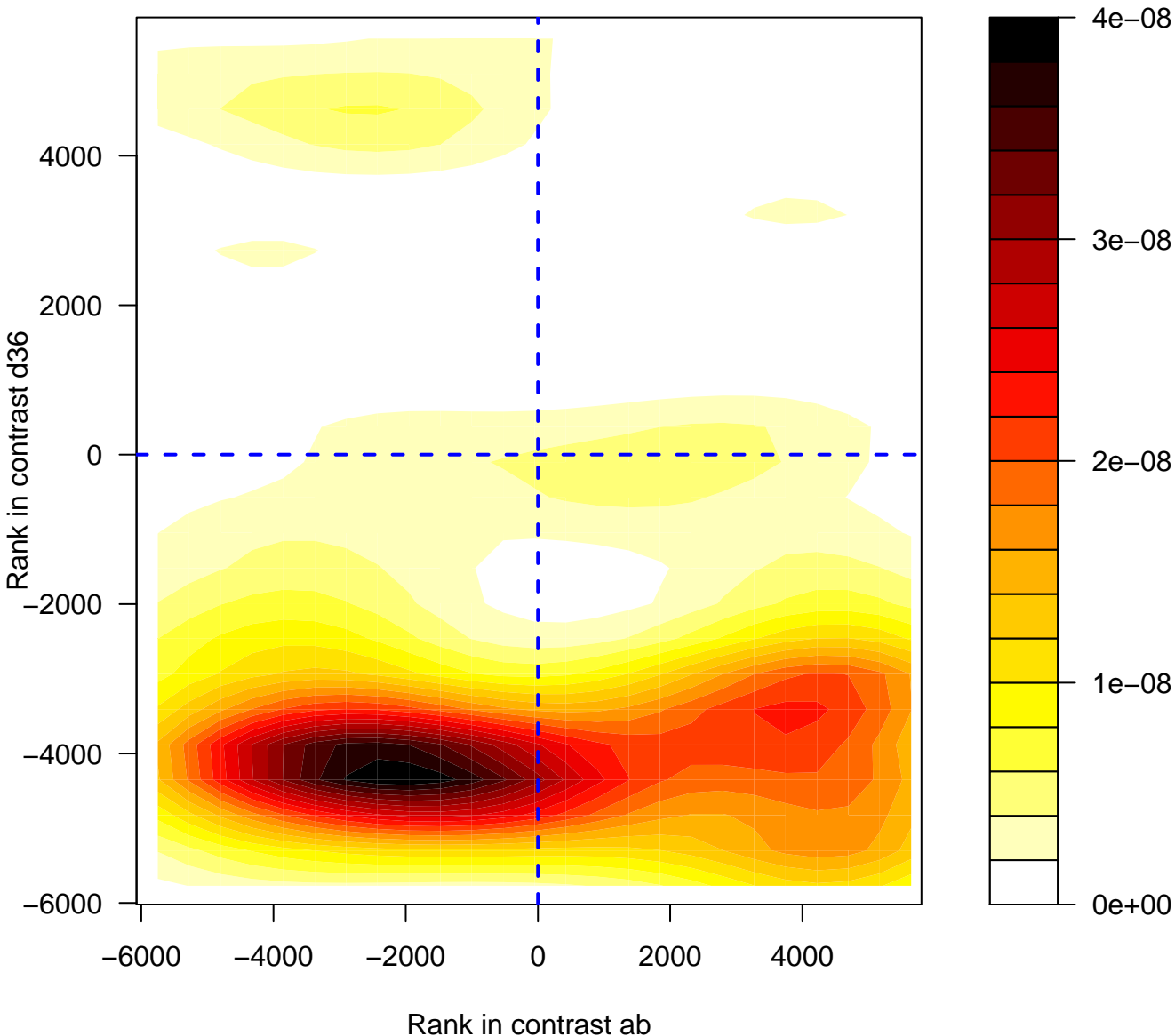
# Voltage-gated-Potassium-channels



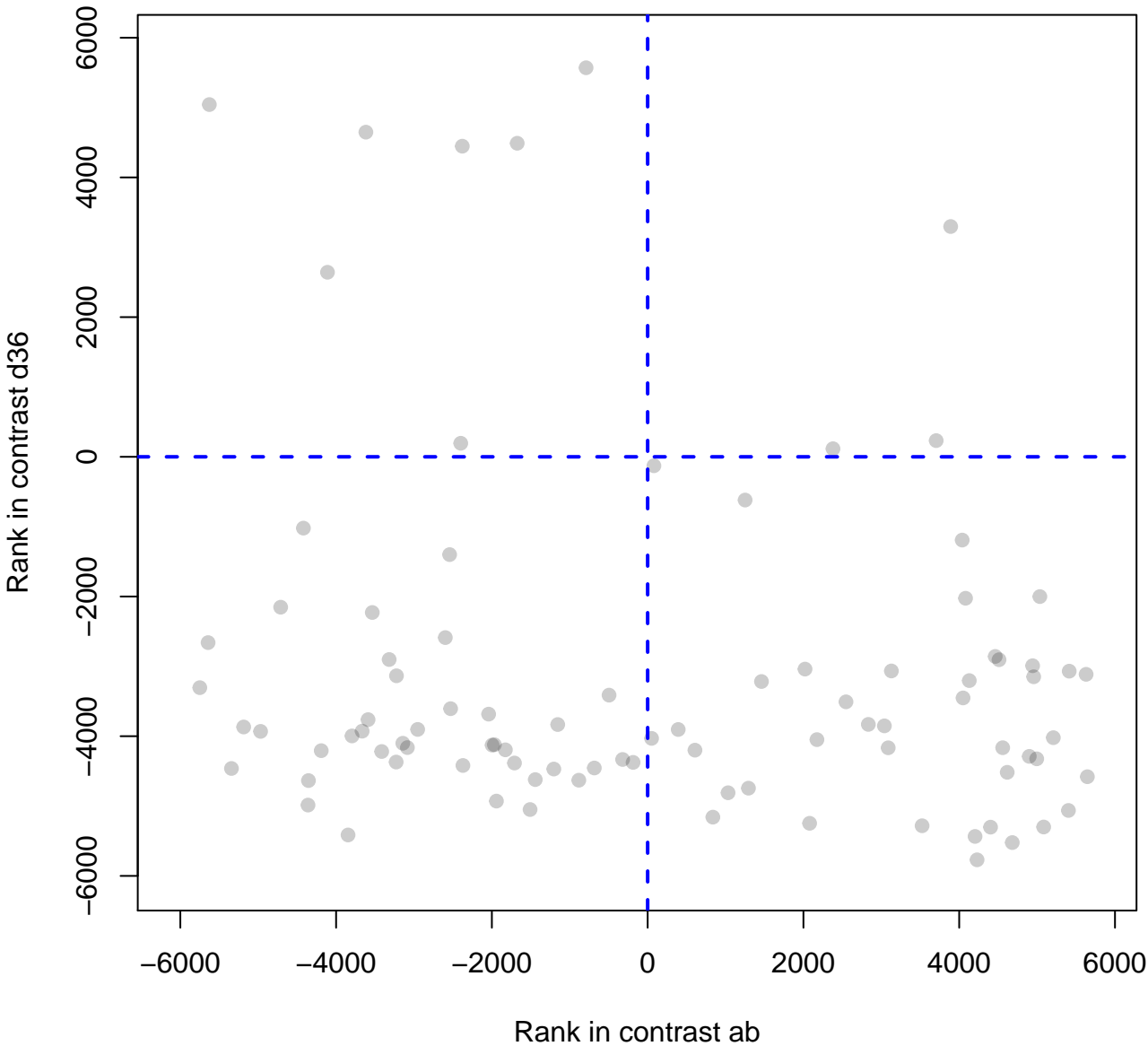
# Voltage-gated-Potassium-channels



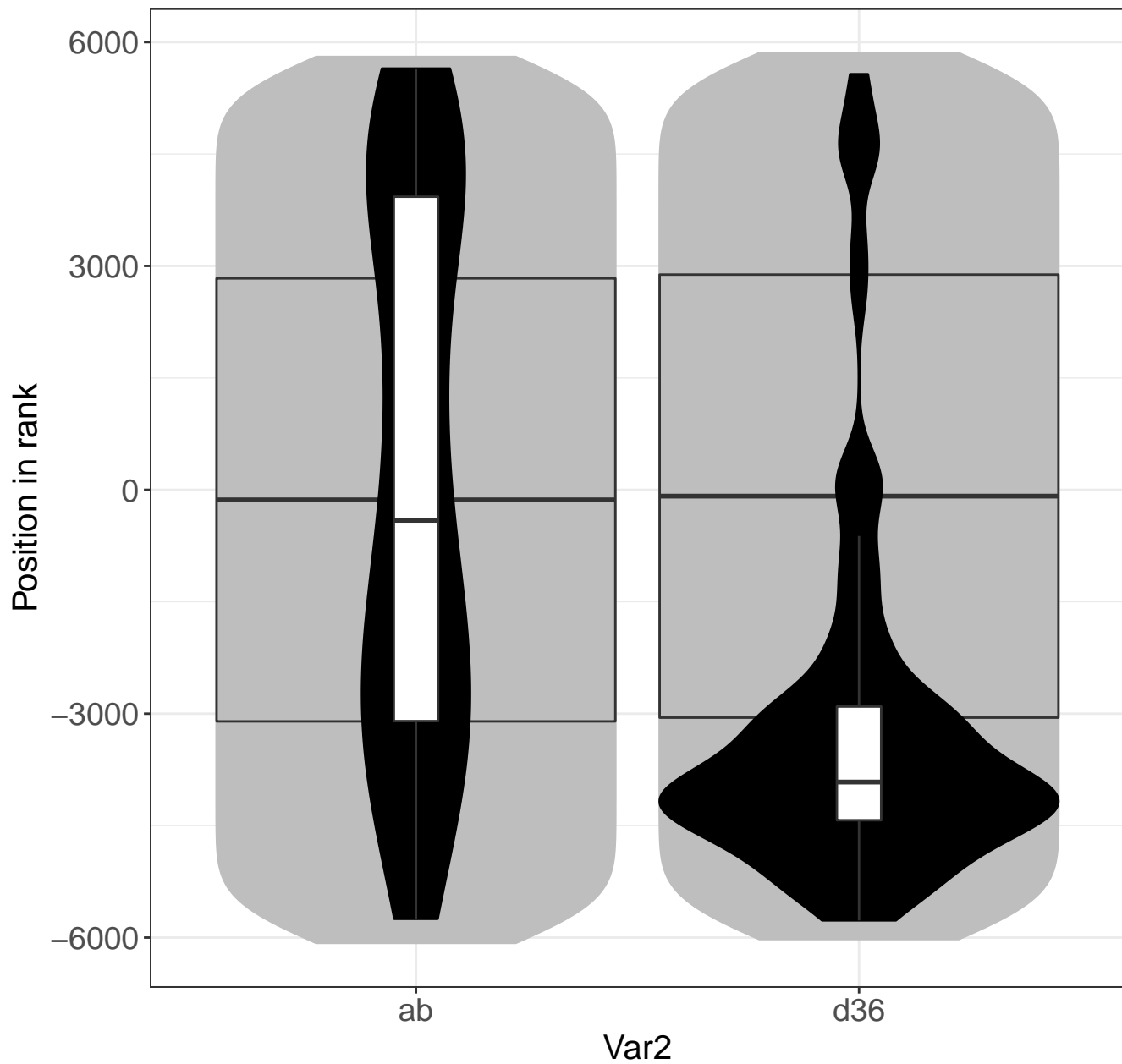
# SRP-dependent-cotranslational-protein-targeting-to-mem



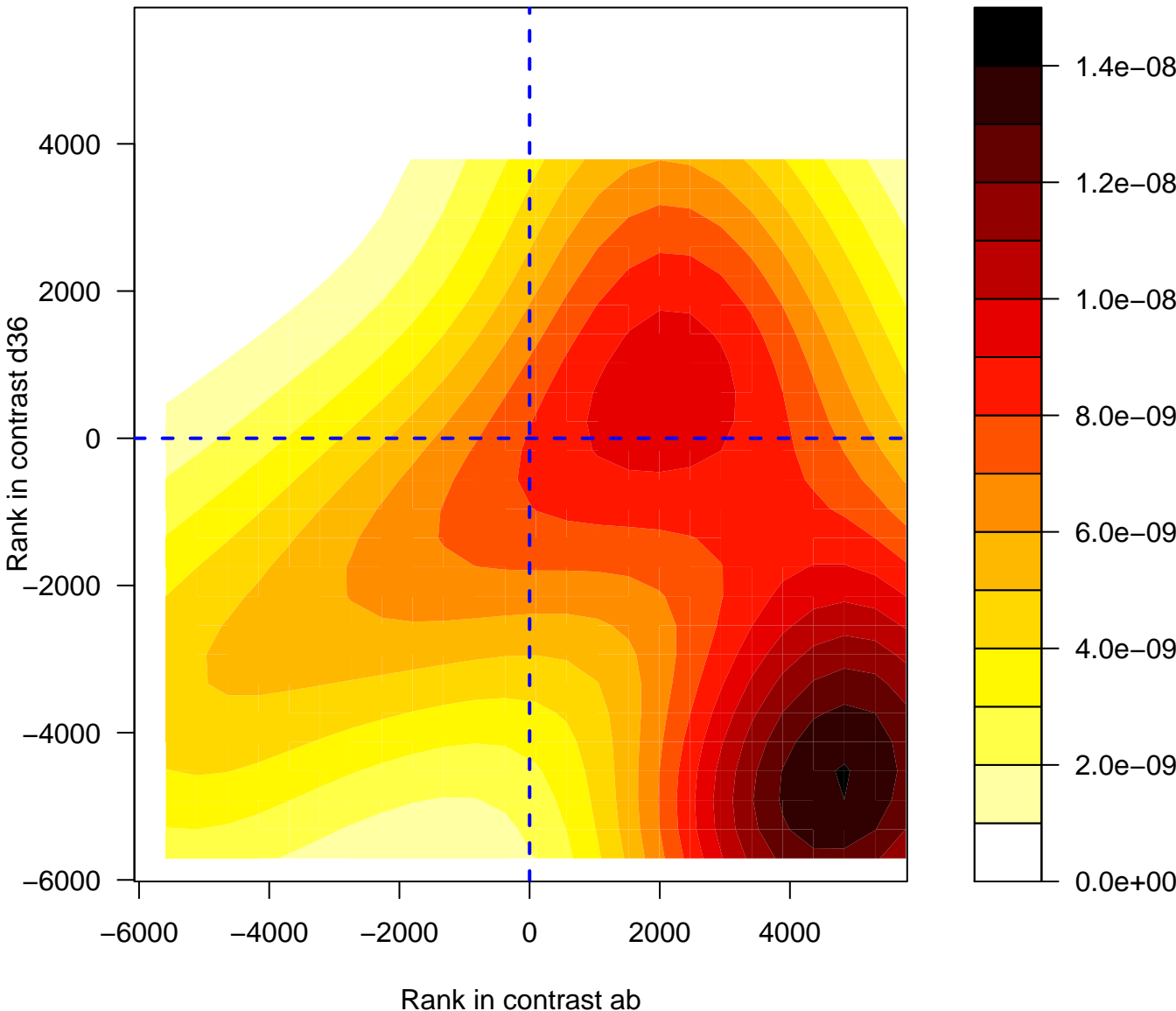
# SRP-dependent-cotranslational-protein-targeting-to-membrane



# SRP-dependent-cotranslational-protein-targeting

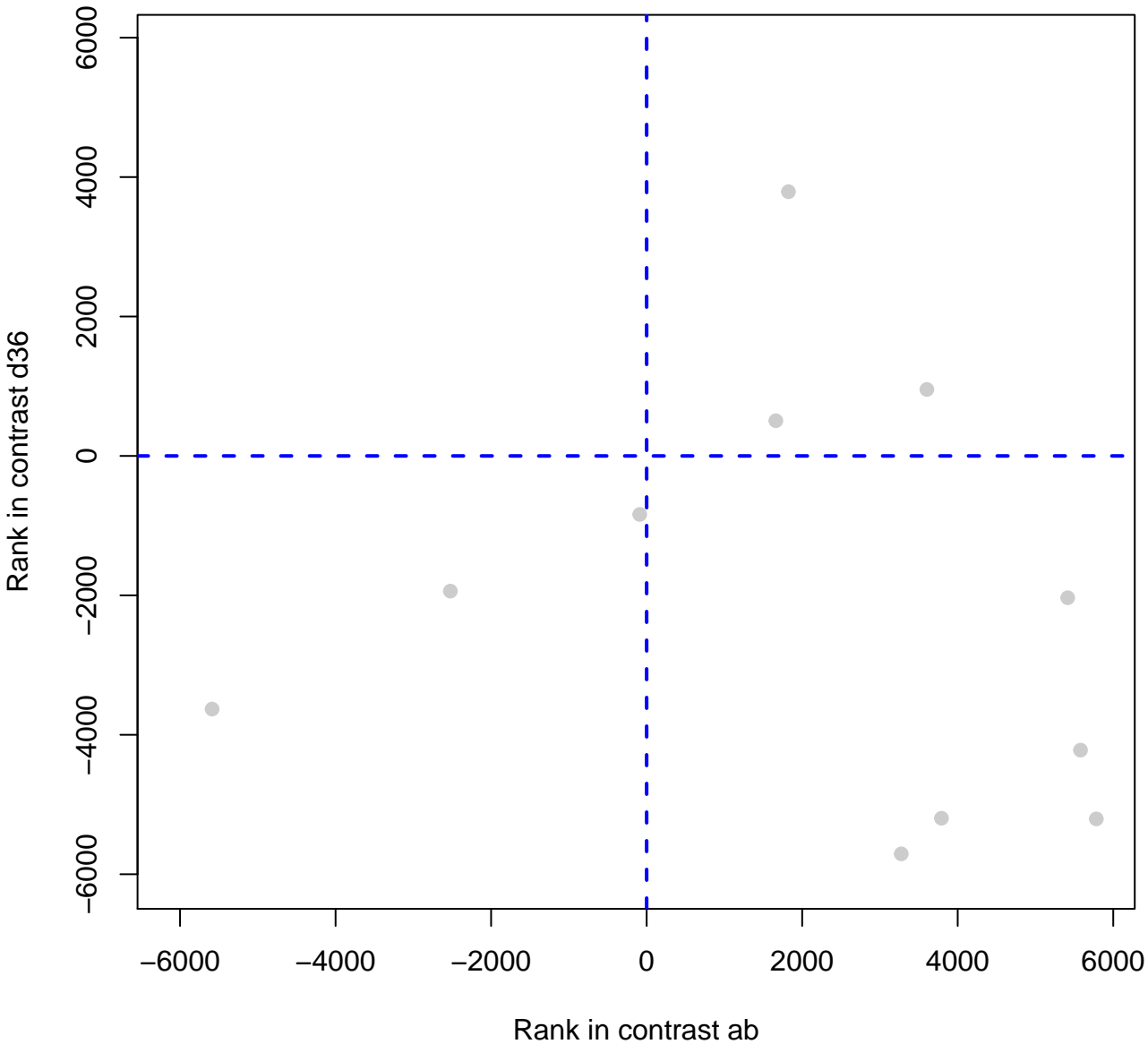


# G-beta:gamma-signalling-through-BTK

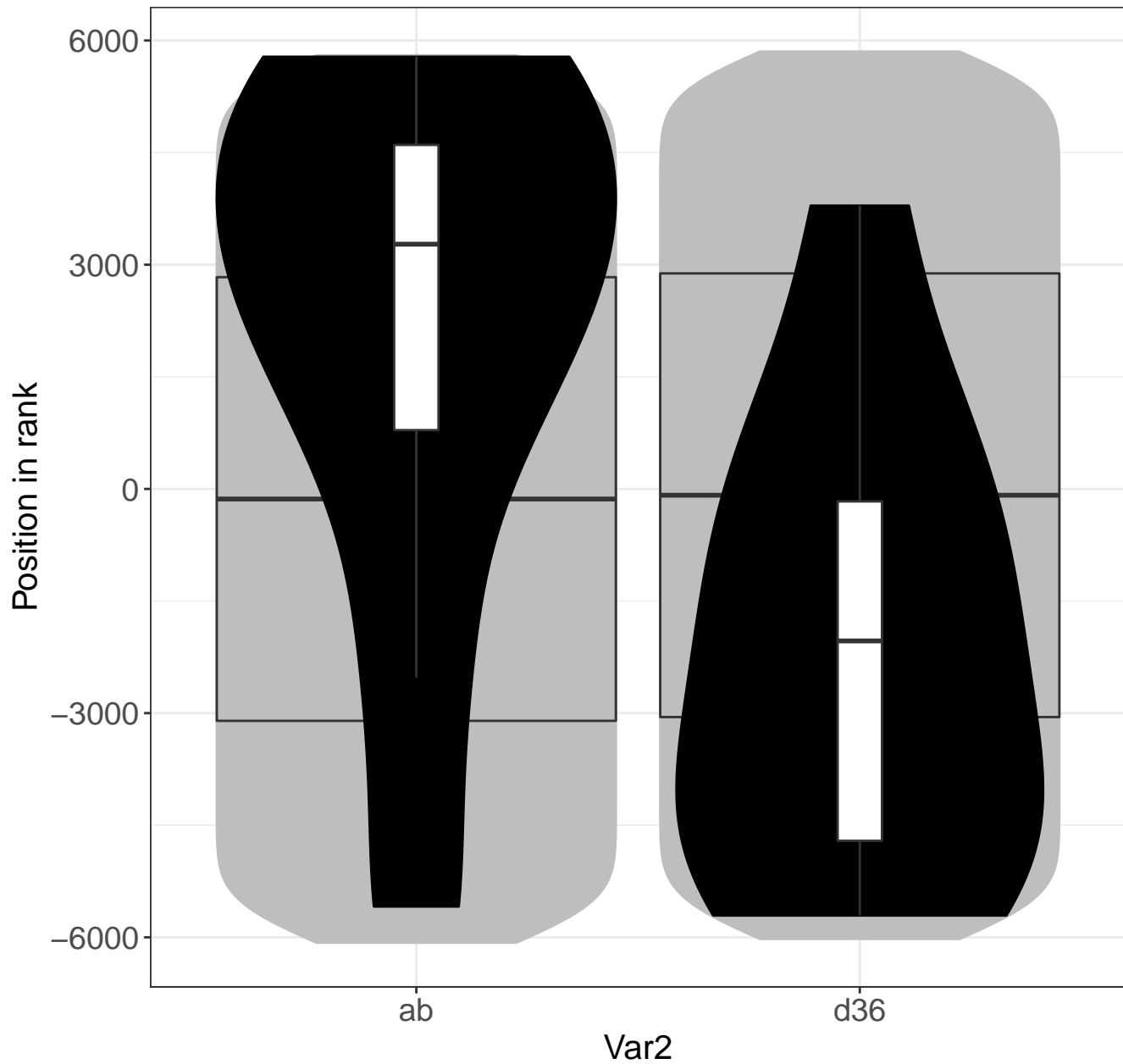




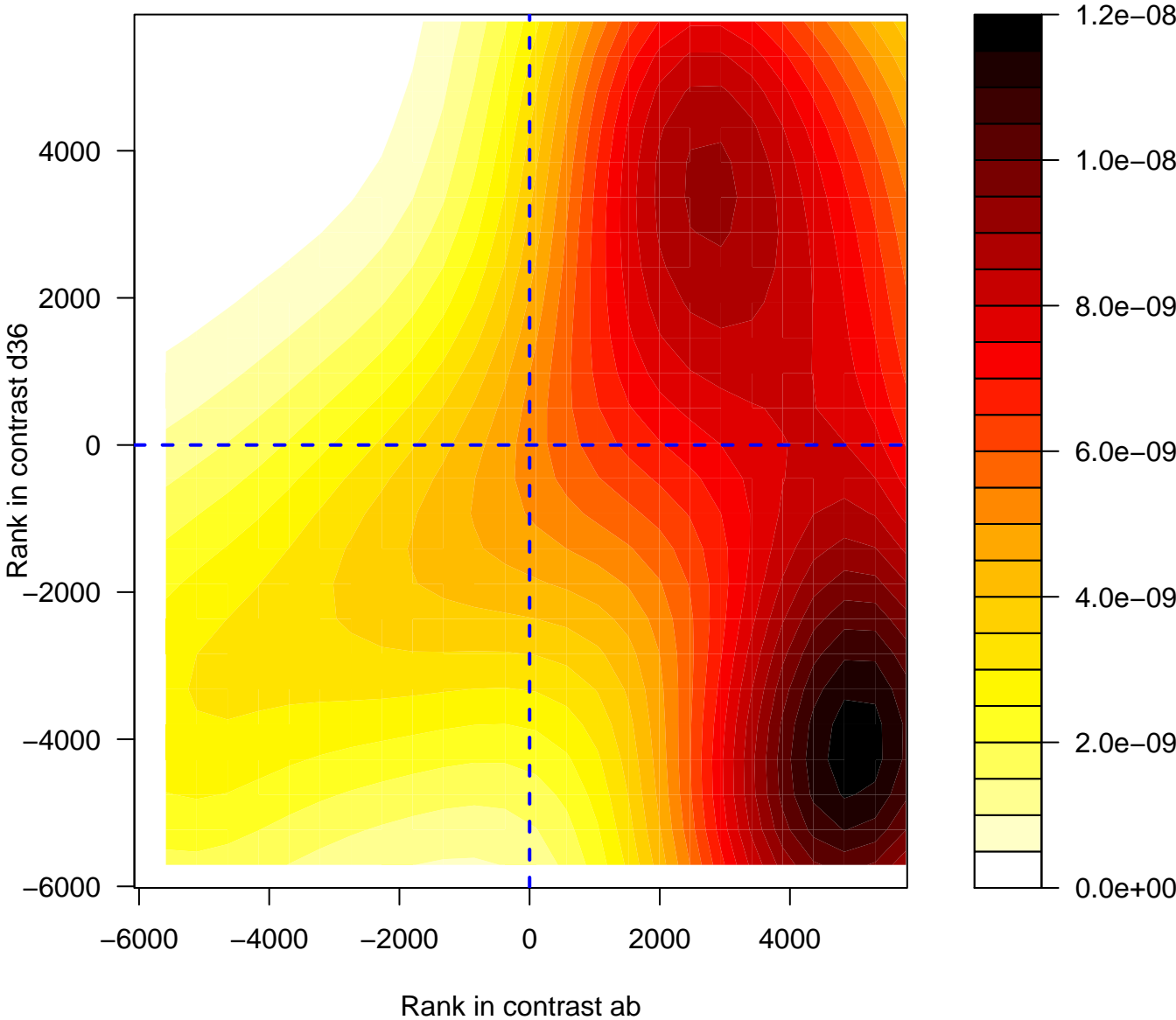
# G-beta:gamma-signalling-through-BTK



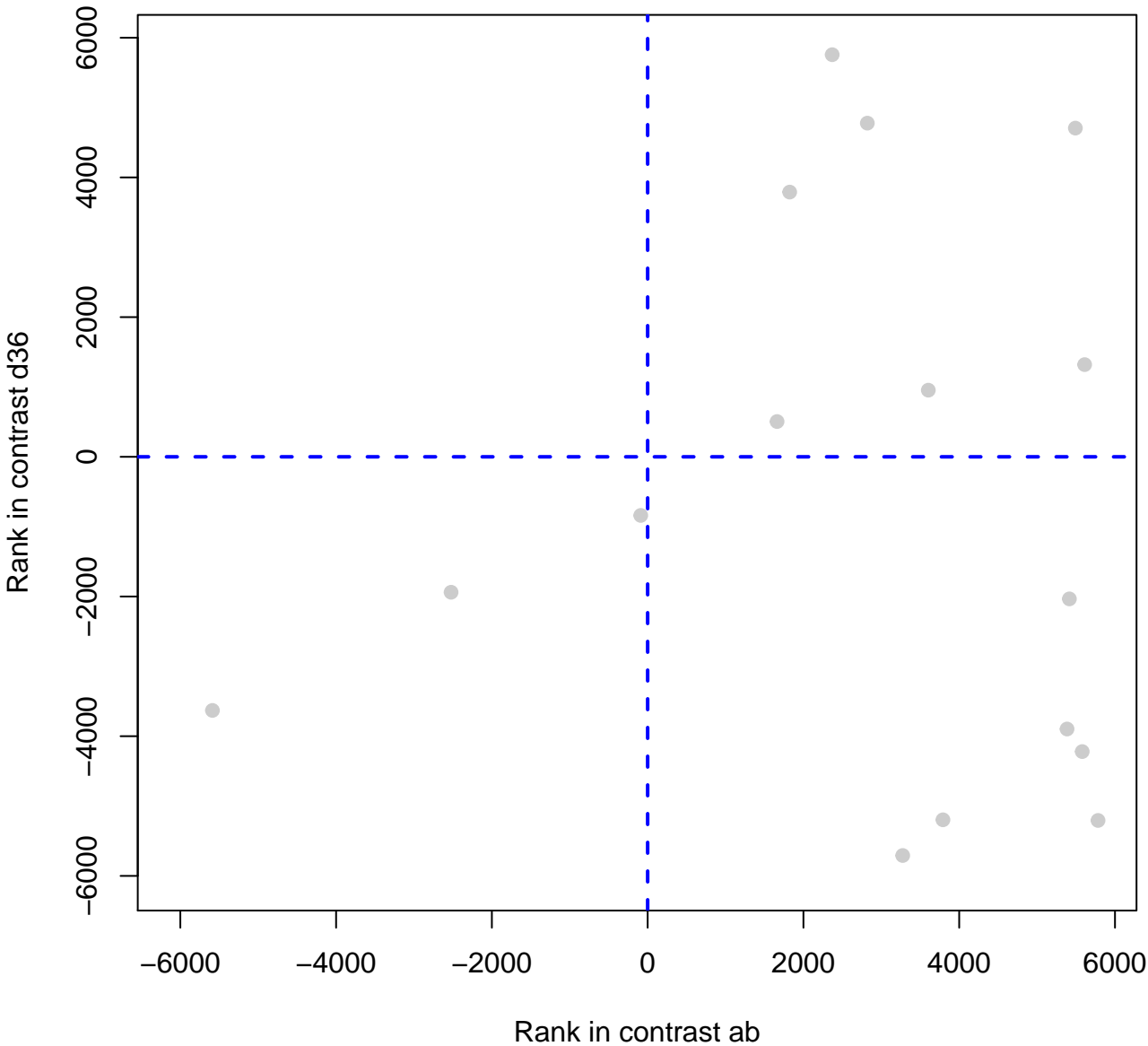
# G-beta:gamma-signalling-through-BTK



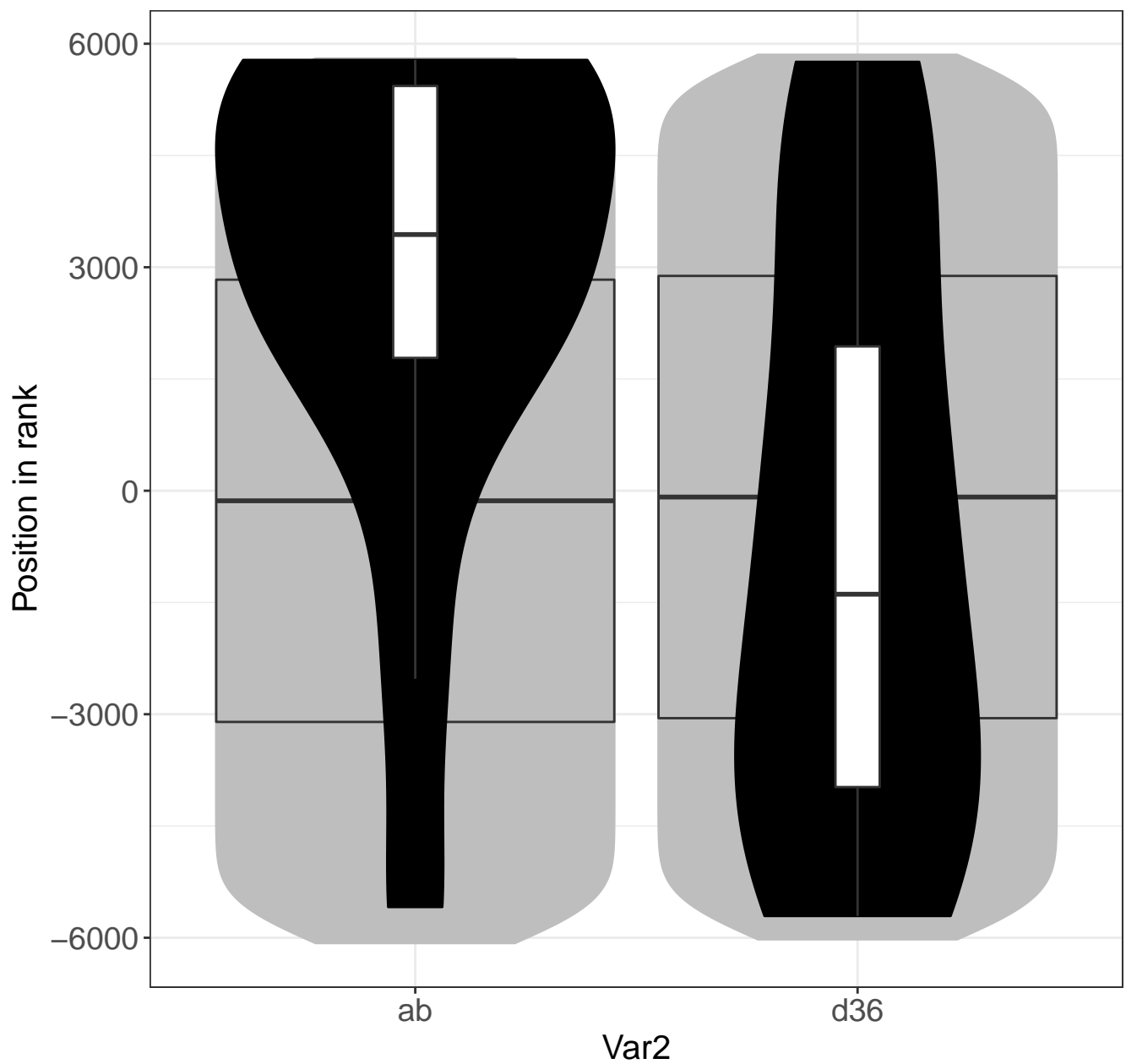
# Activation-of-G-protein-gated-Potassium-channels



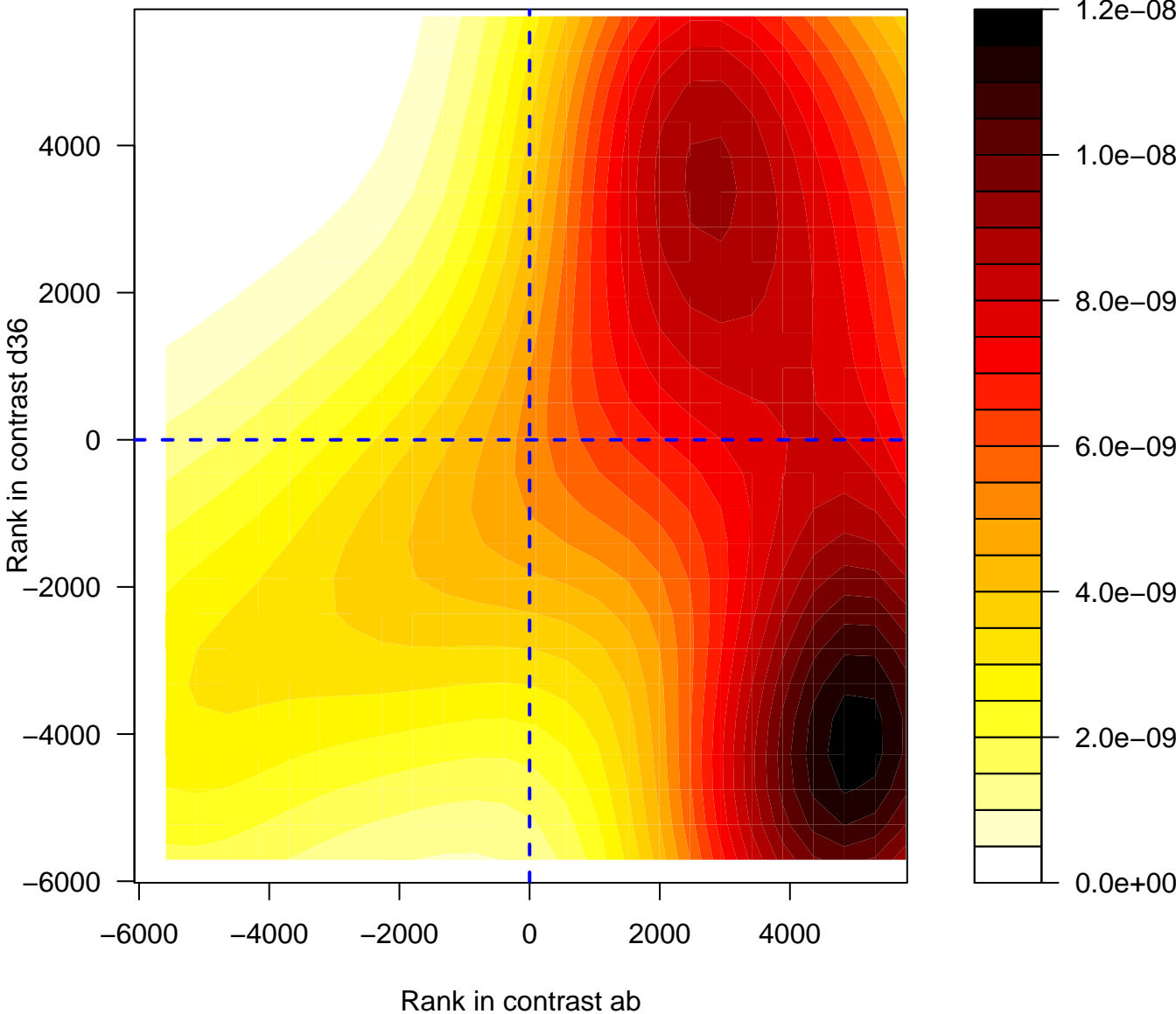
# Activation-of-G-protein-gated-Potassium-channels



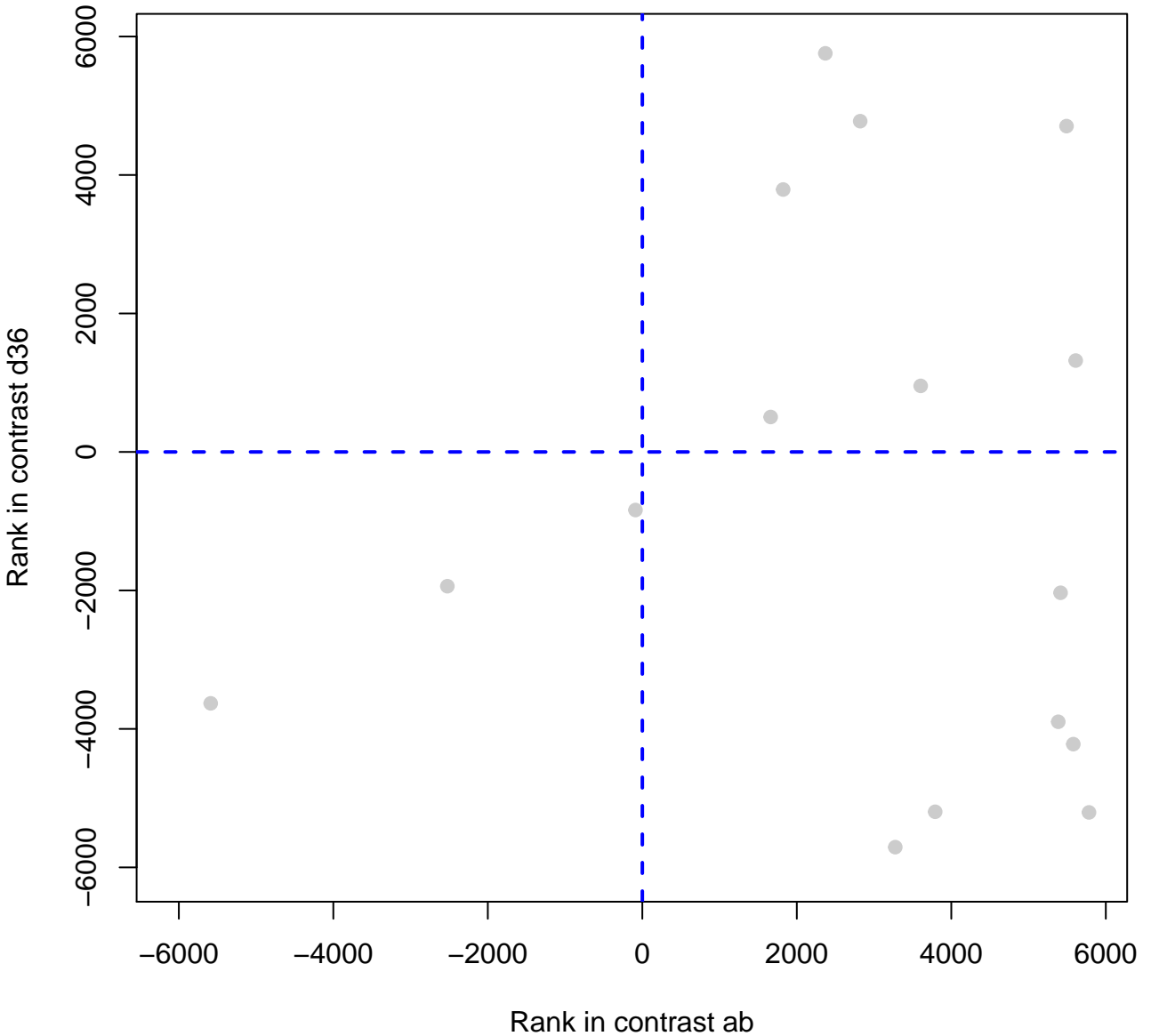
# Activation-of-G-protein-gated-Potassium-channel



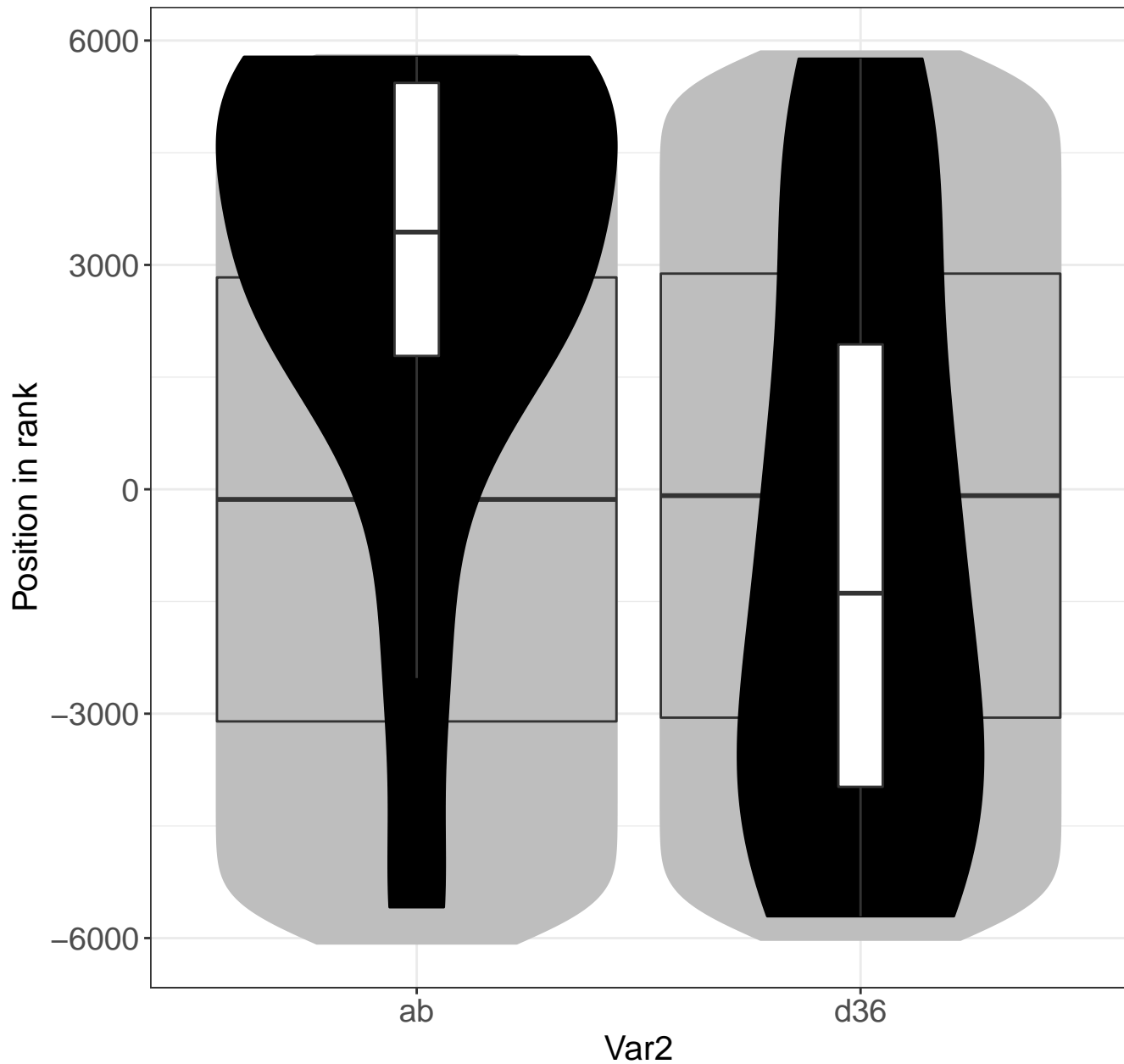
# G-protein-gated-Potassium-channels



# G-protein-gated-Potassium-channels

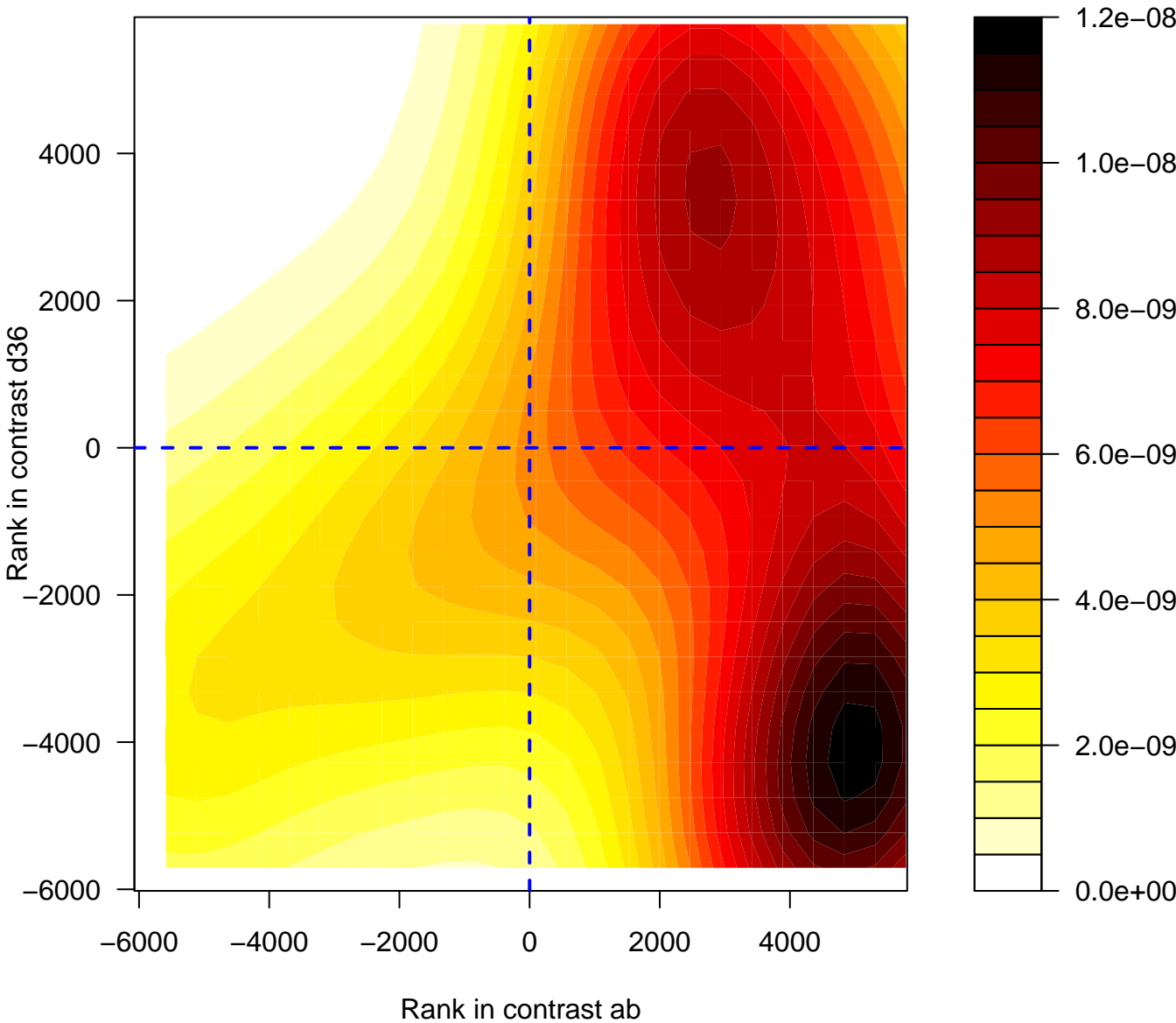


# G-protein-gated-Potassium-channels

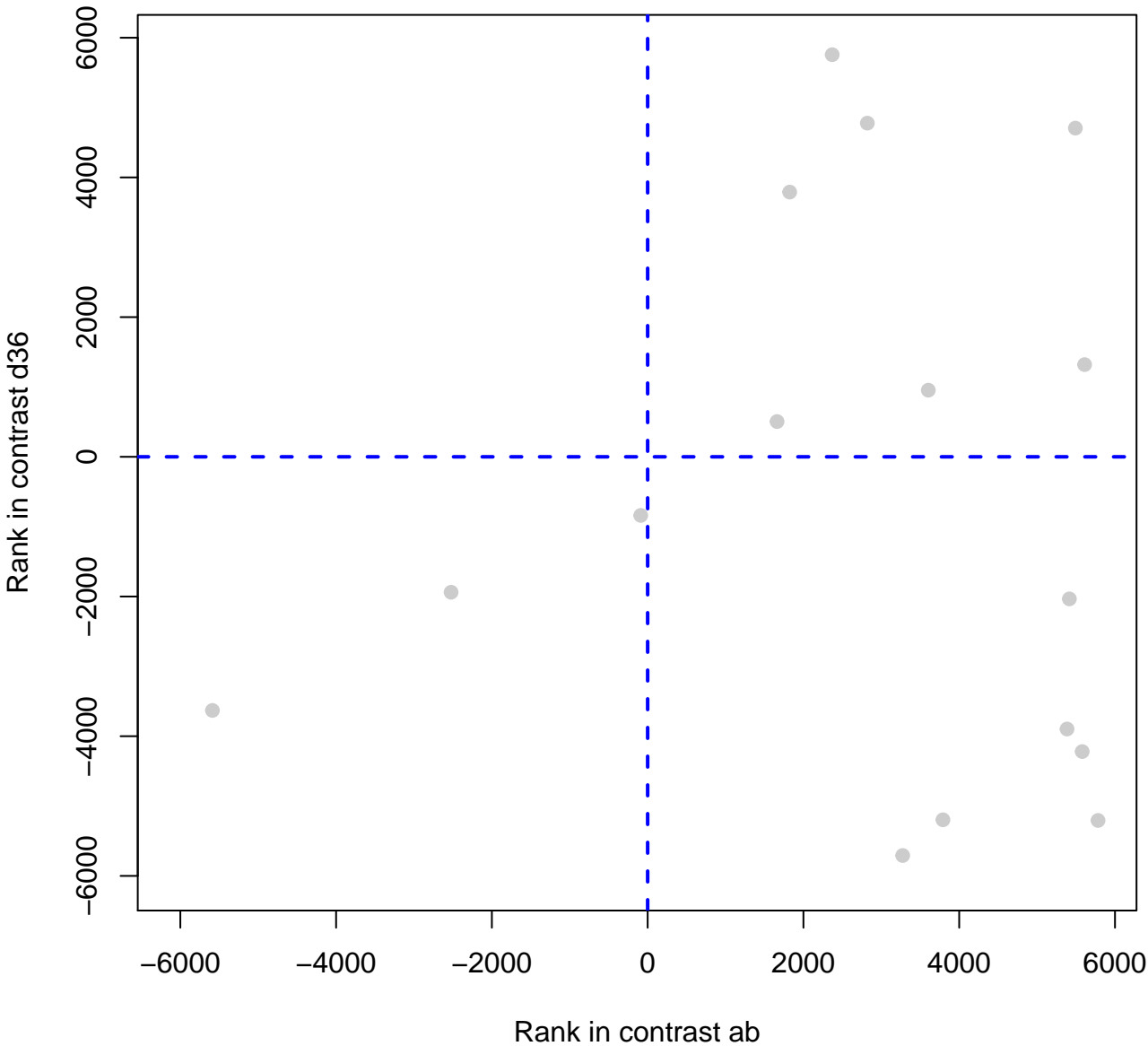




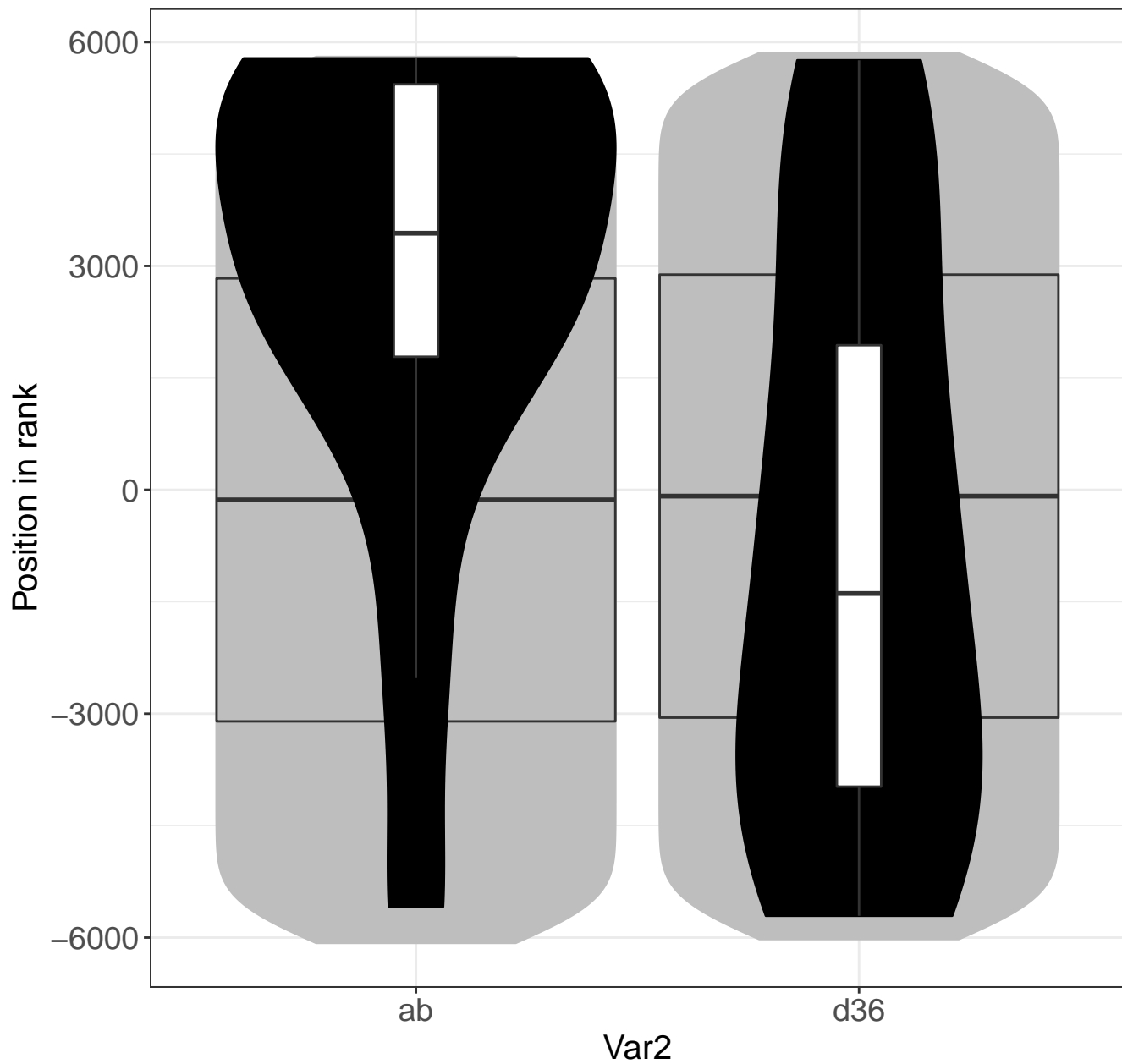
# Inhibition of voltage-gated $\text{Ca}^{2+}$ channels via G $\beta$ / $\gamma$



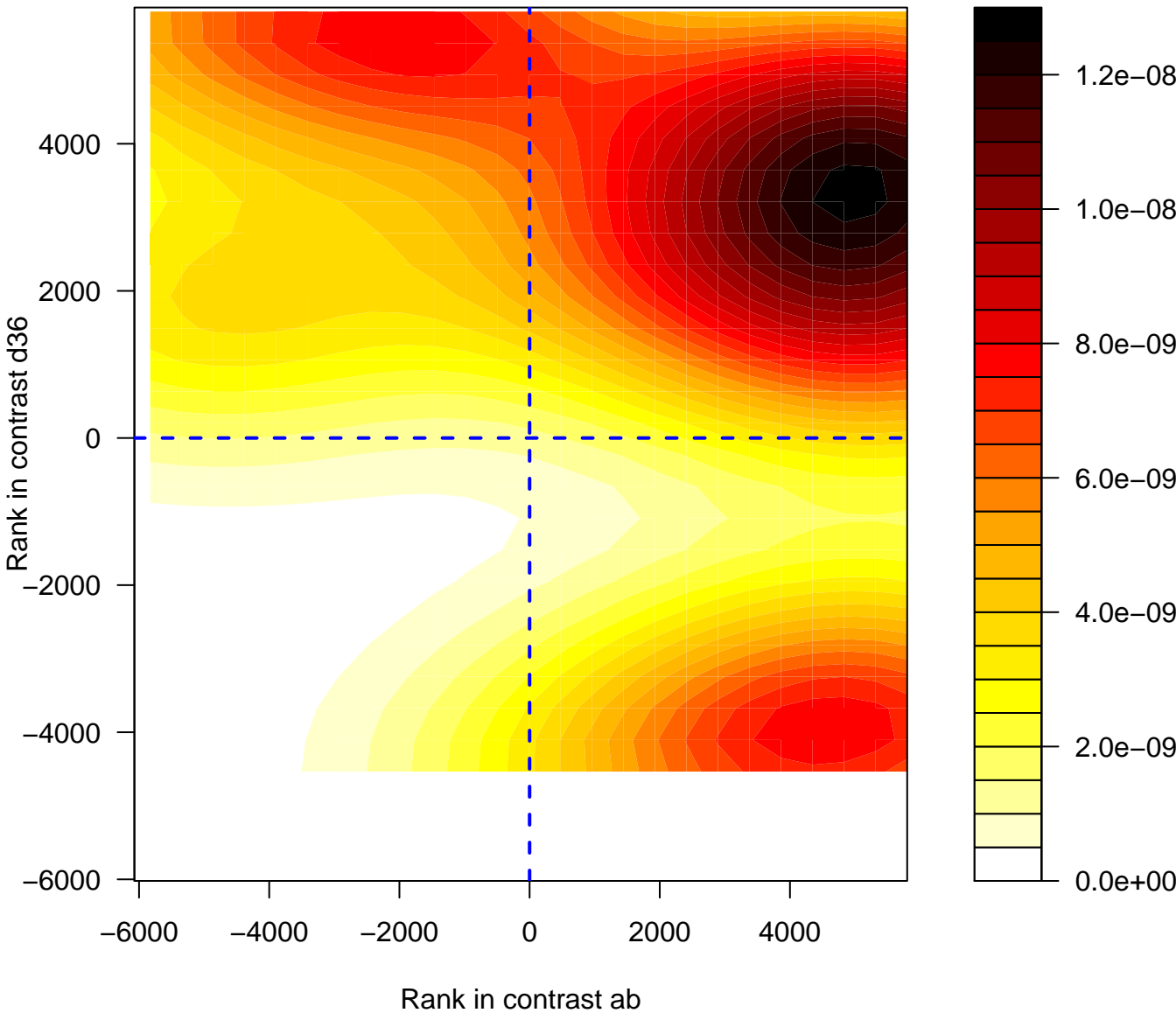
# Inhibition--of-voltage-gated-Ca<sup>2+</sup>-channels-via-Gbeta/gamma-subuni



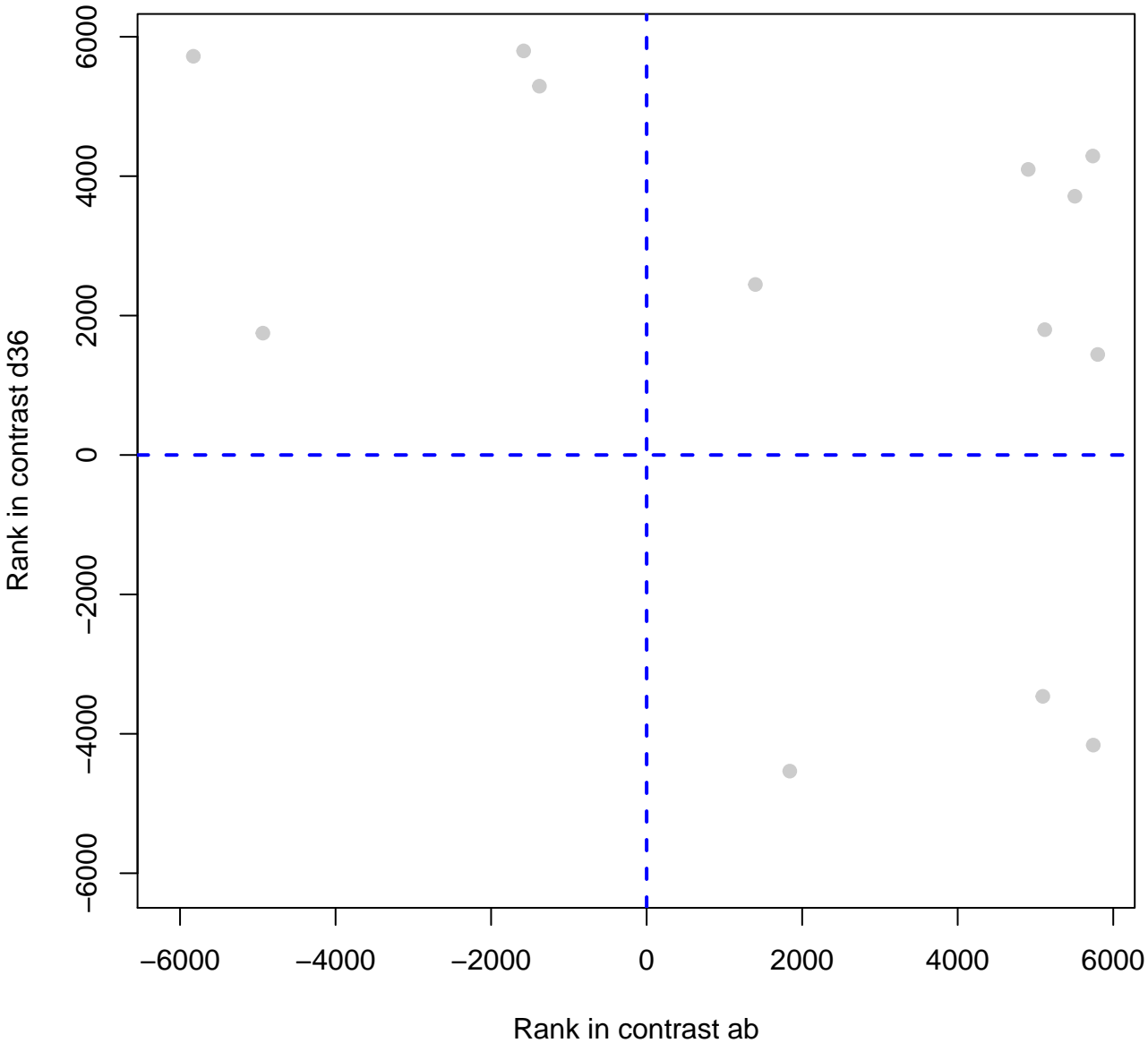
# Inhibition--of-voltage-gated-Ca2+-channels-vi



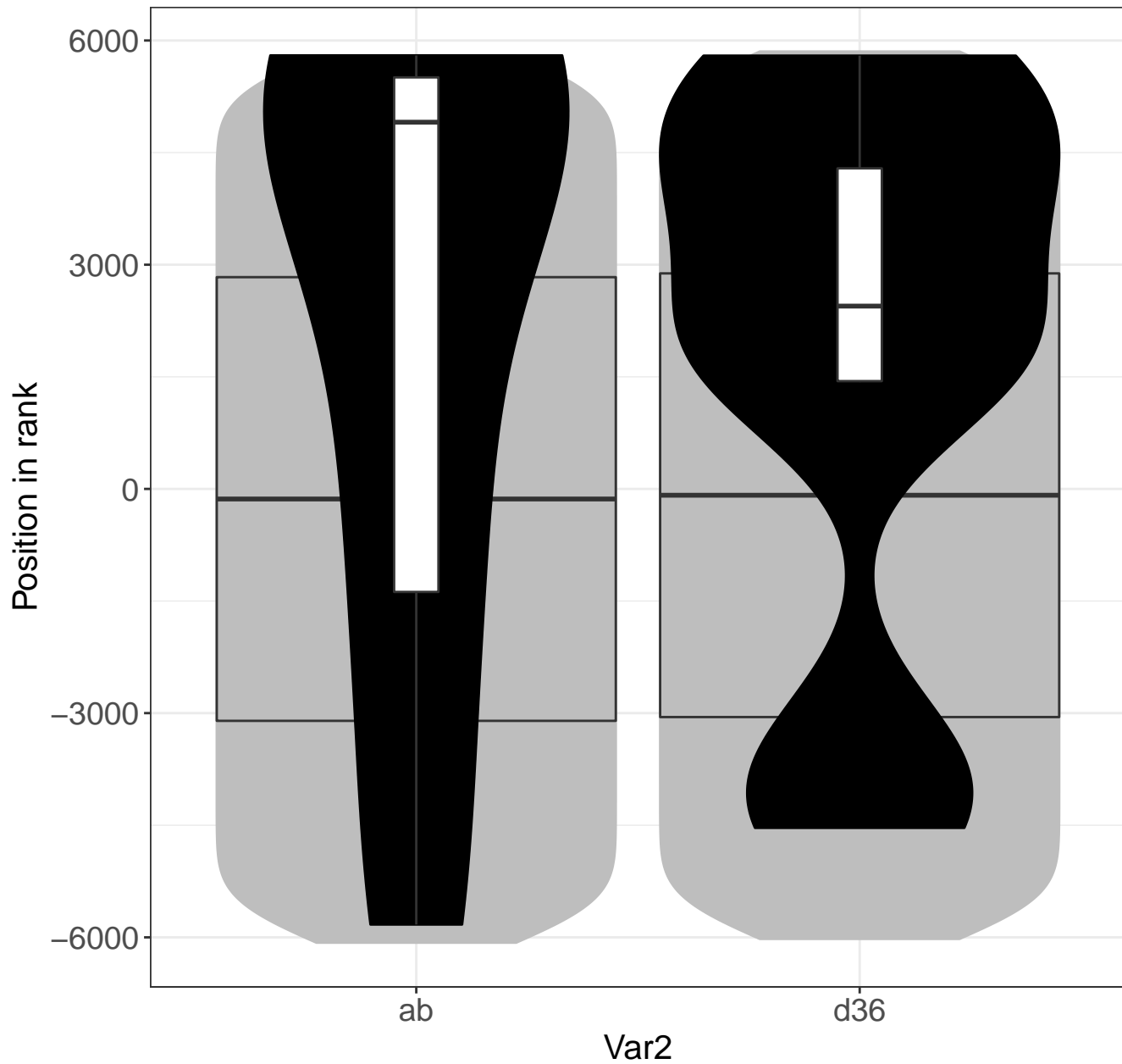
# Acyl-chain-remodelling-of-PE



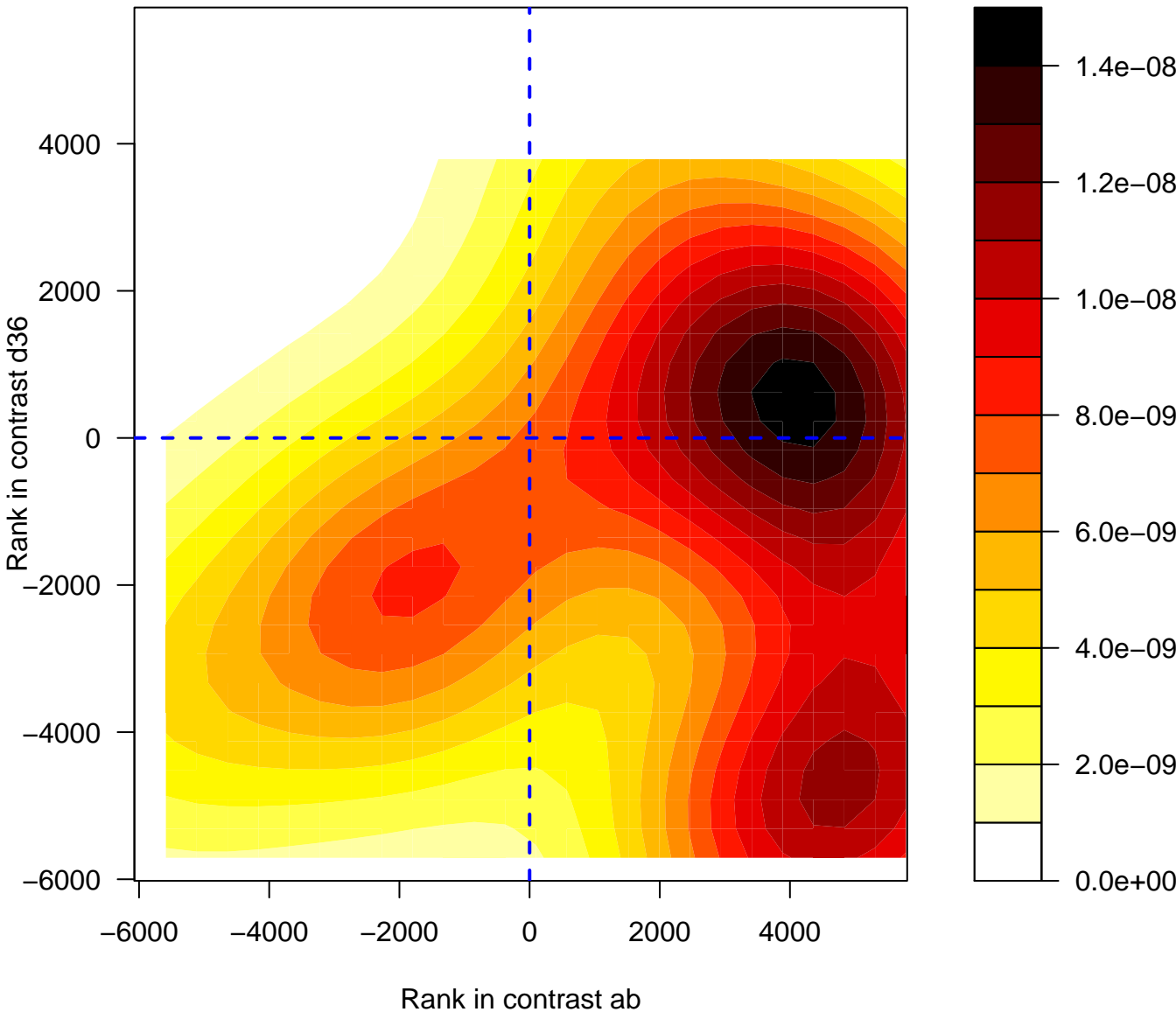
# Acyl-chain-remodelling-of-PE



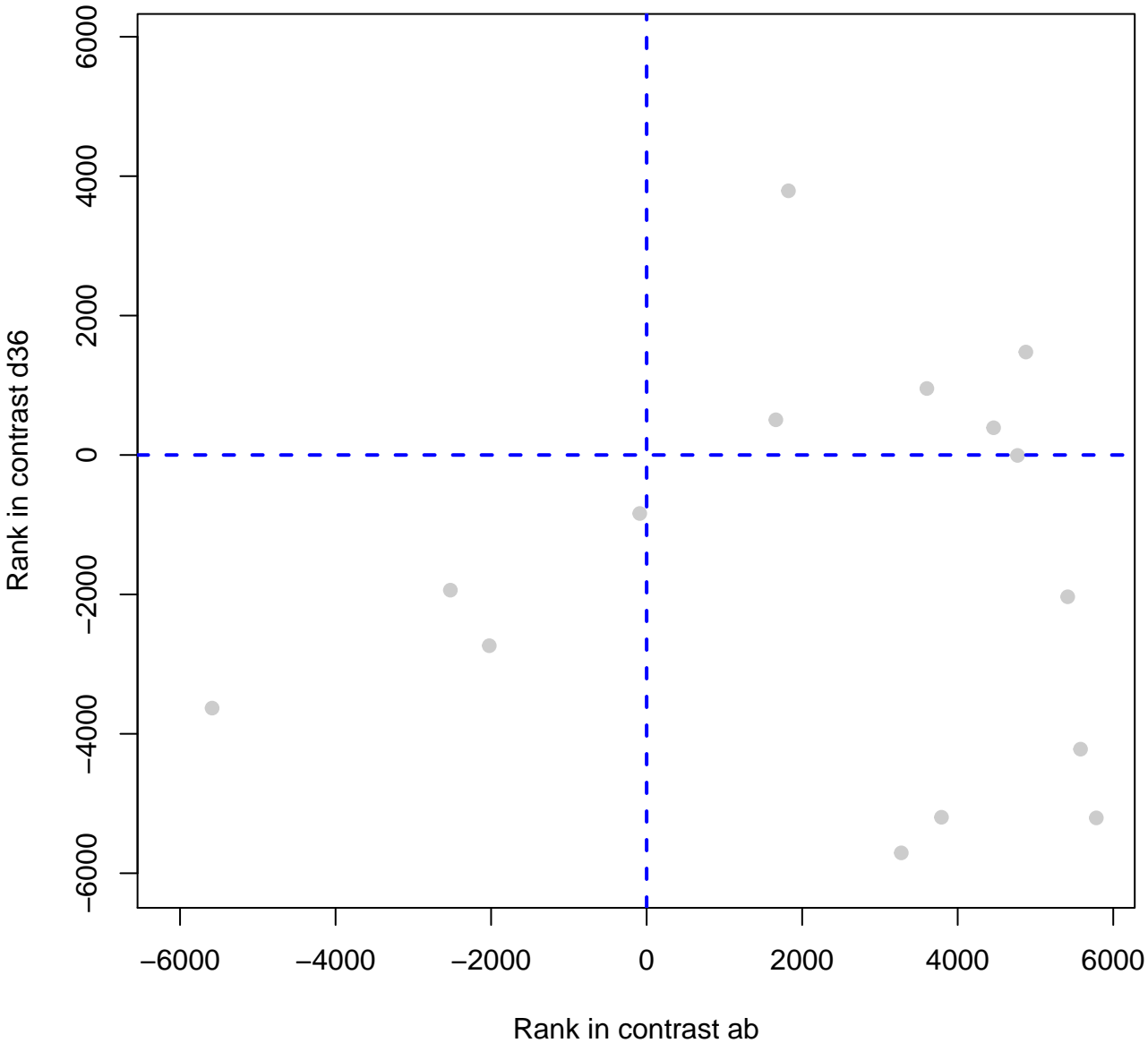
# Acyl-chain-remodelling-of-PE



# G-protein-activation

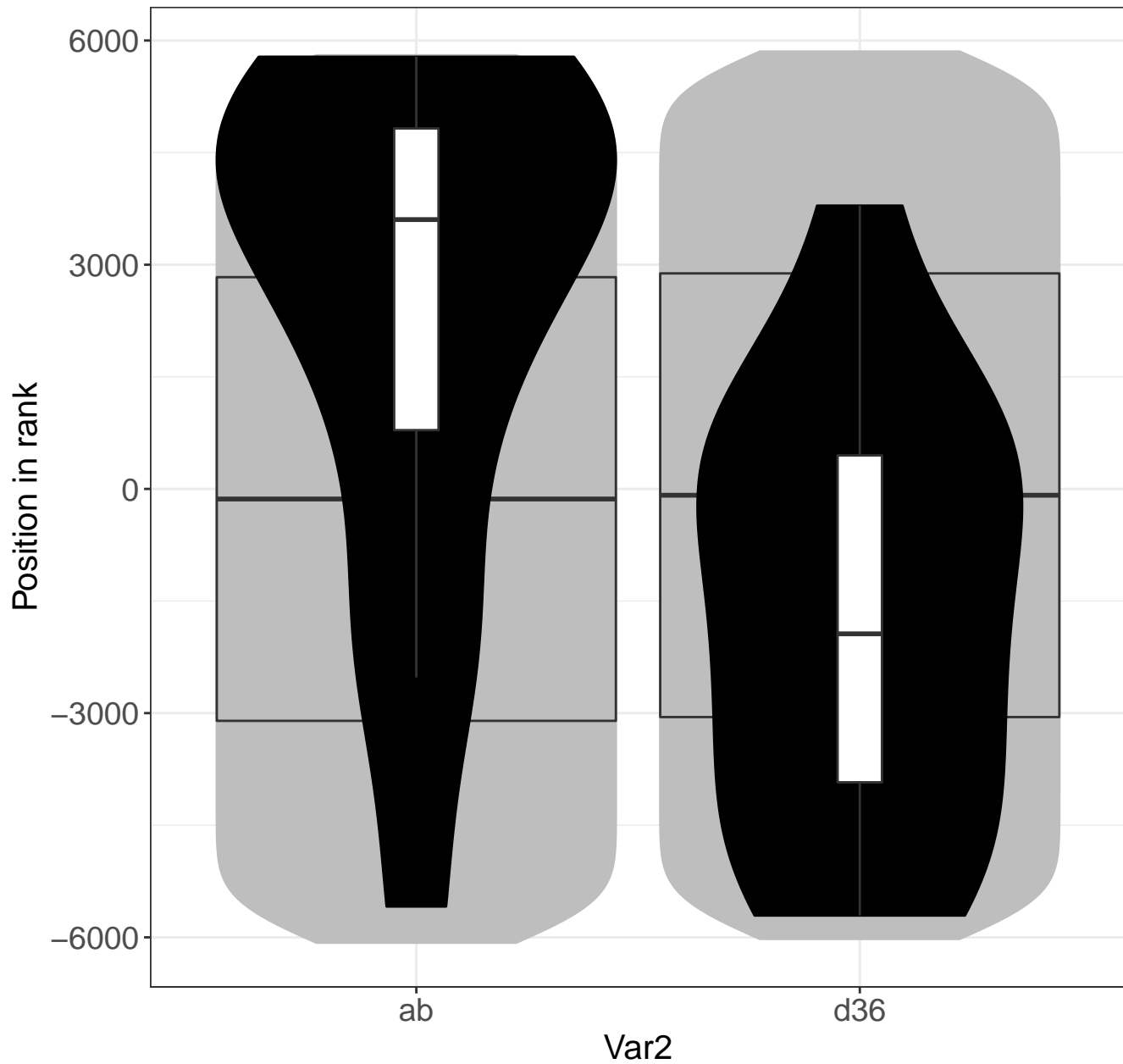


# G-protein-activation

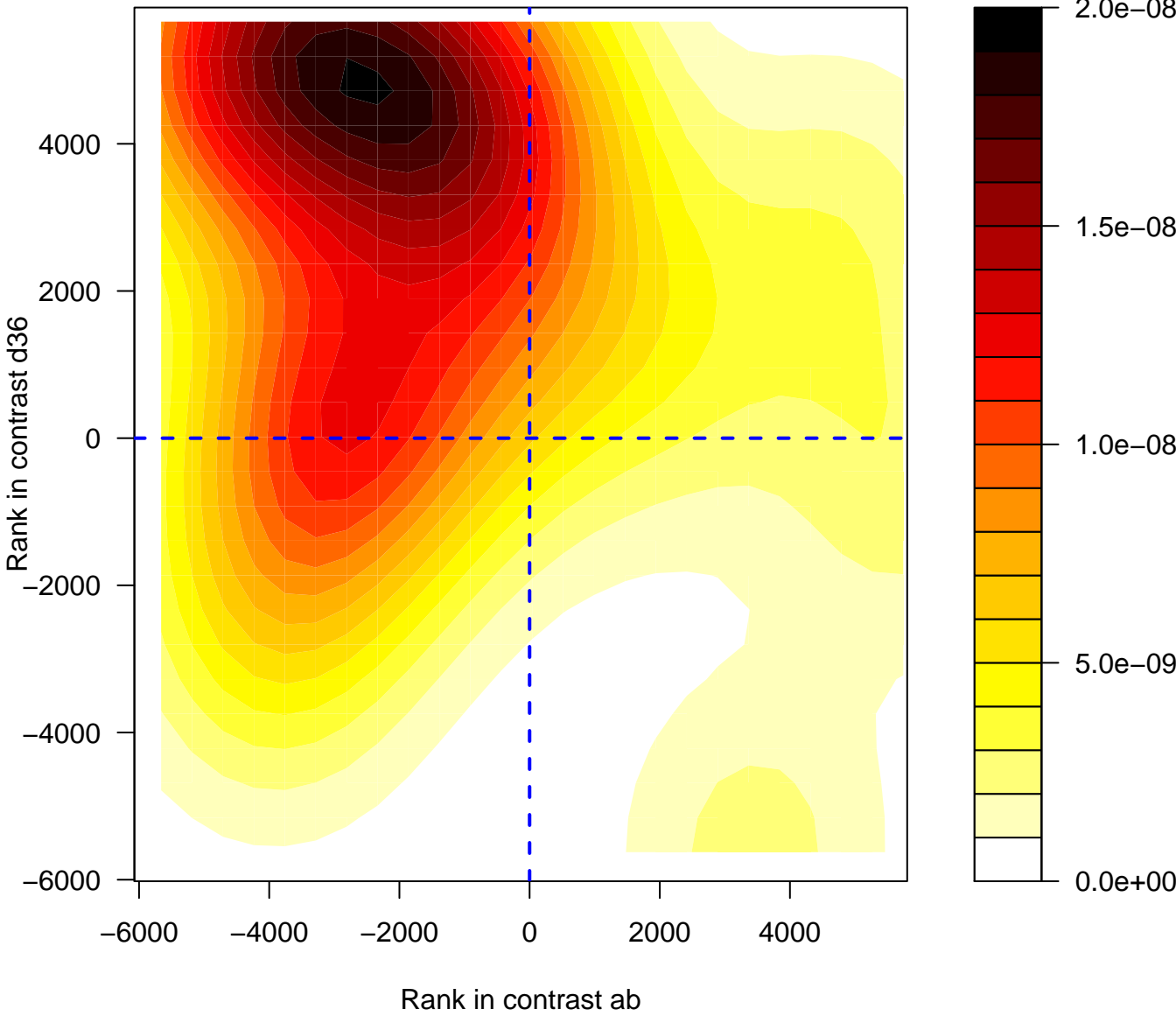




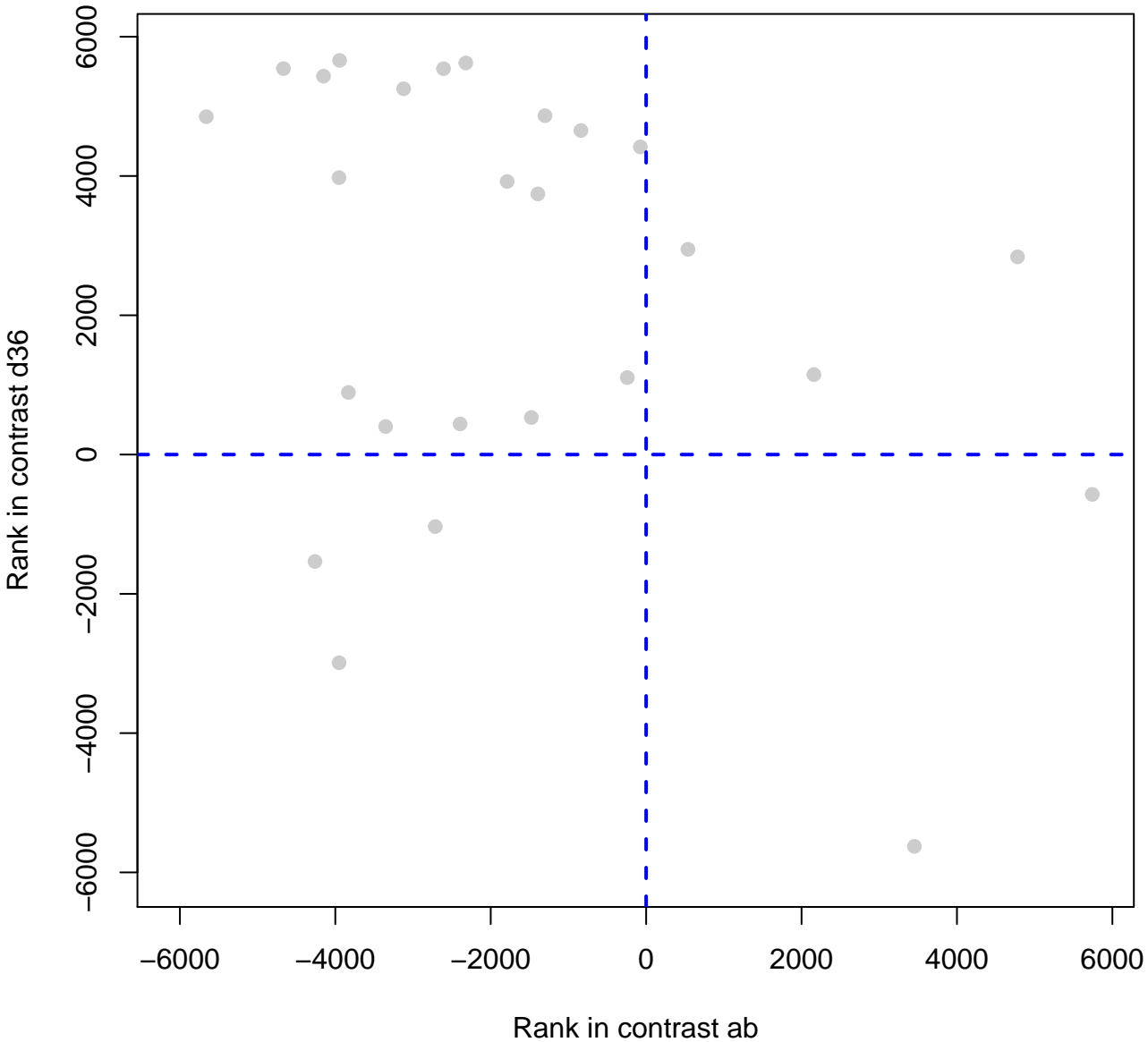
# G-protein-activation



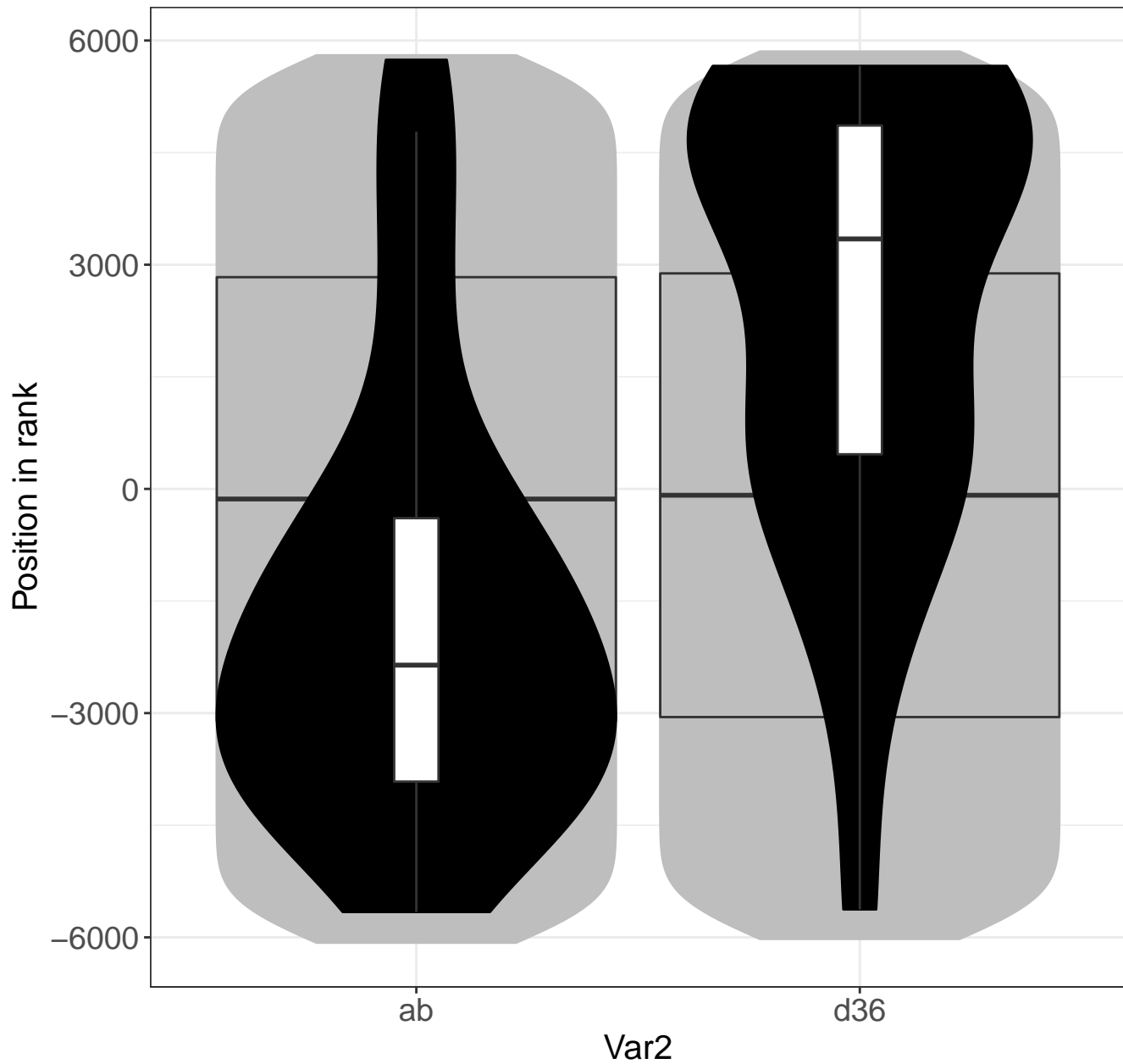
# Pyruvate-metabolism



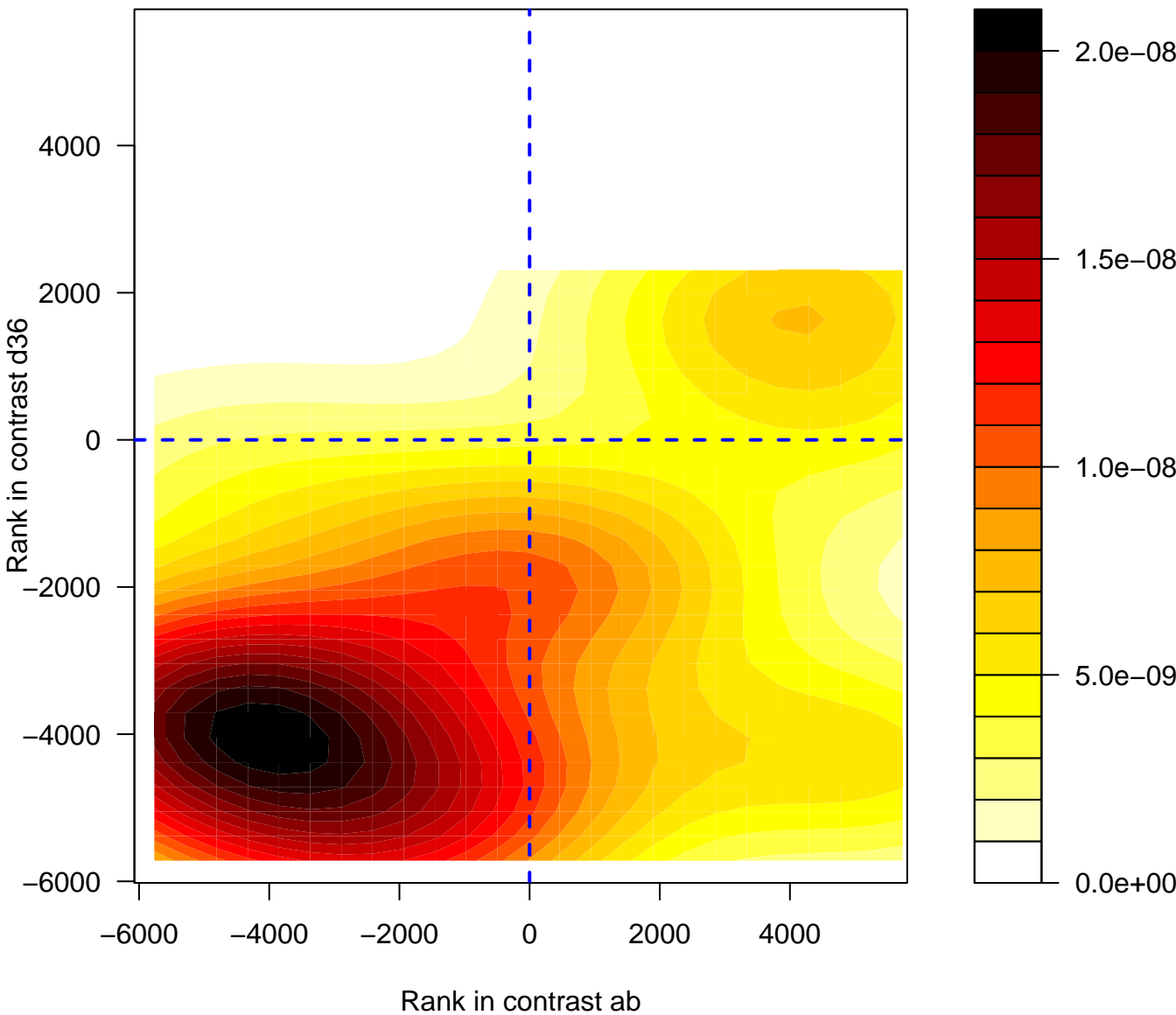
# Pyruvate-metabolism



# Pyruvate-metabolism

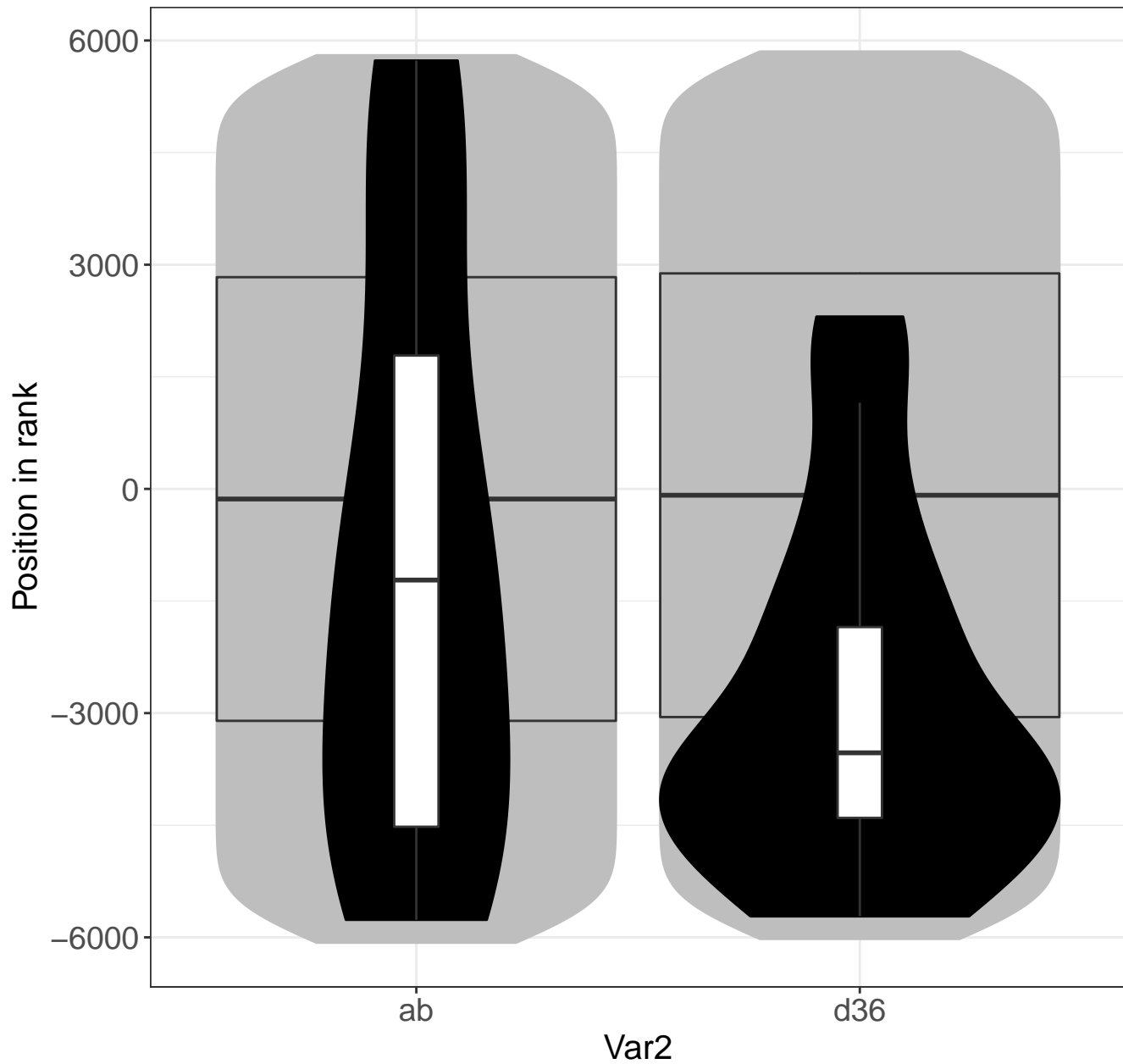


# Collagen-chain-trimerization

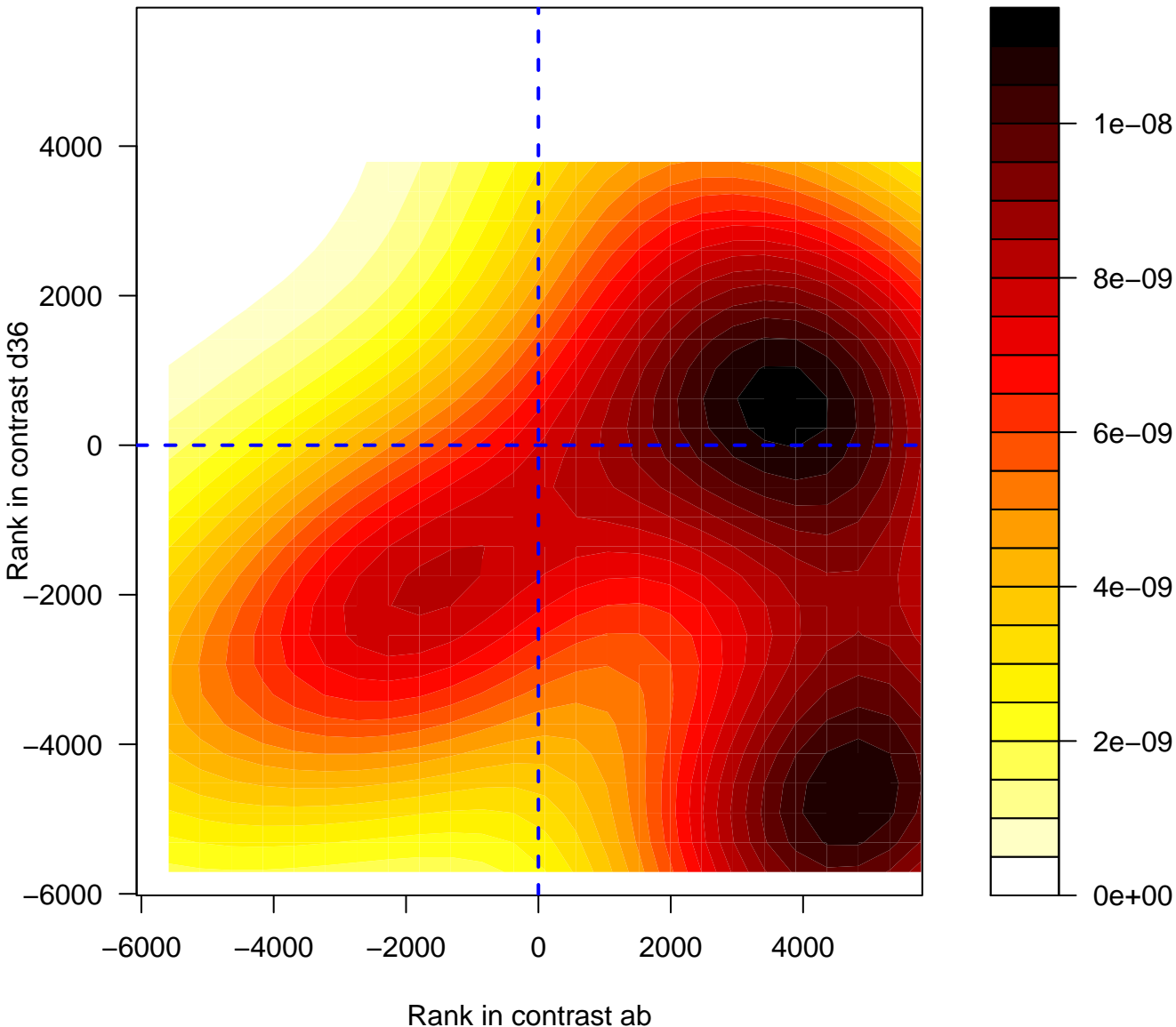




# Collagen-chain-trimerization

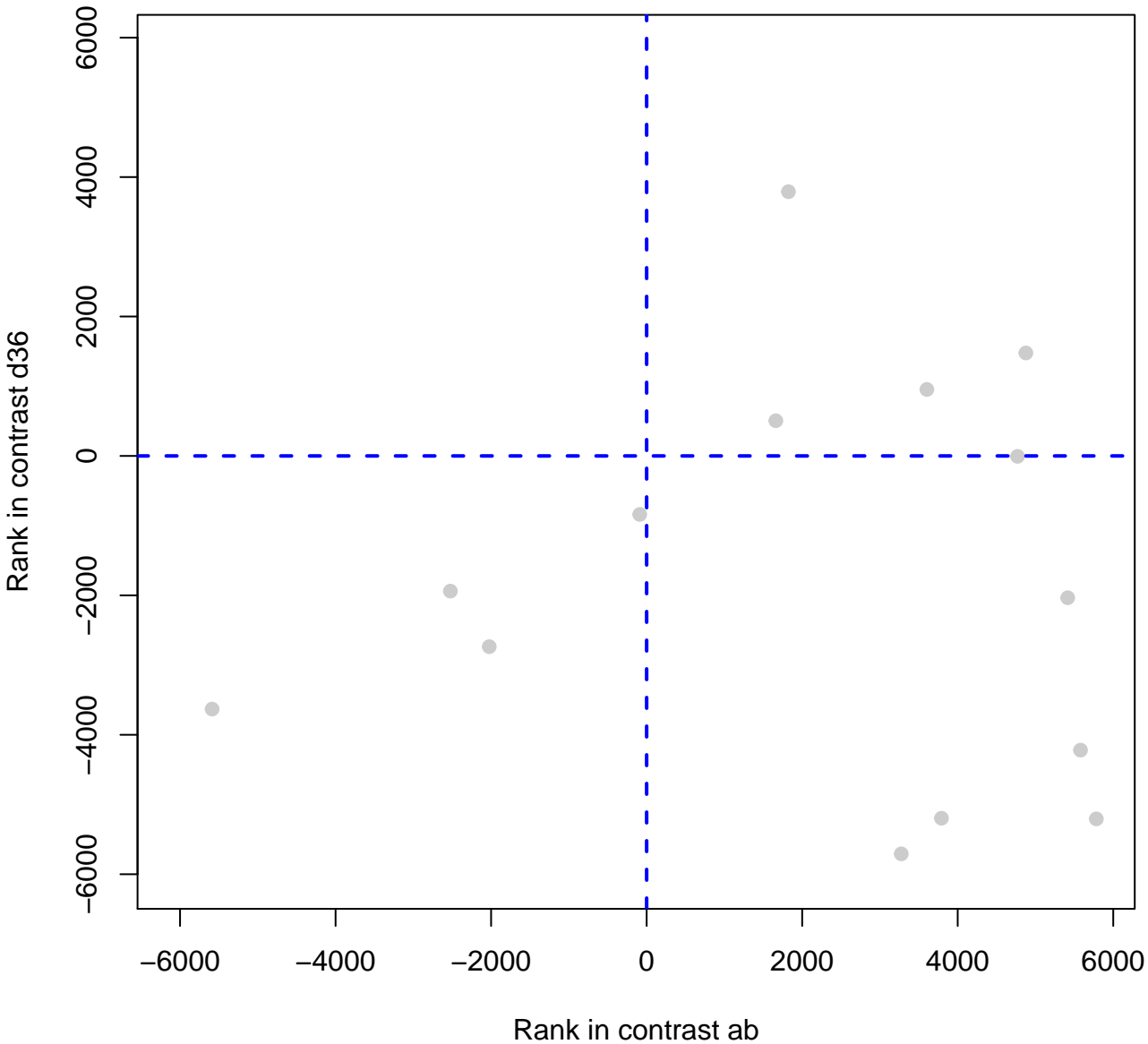


# ADP-signalling-through-P2Y-purinoceptor-12

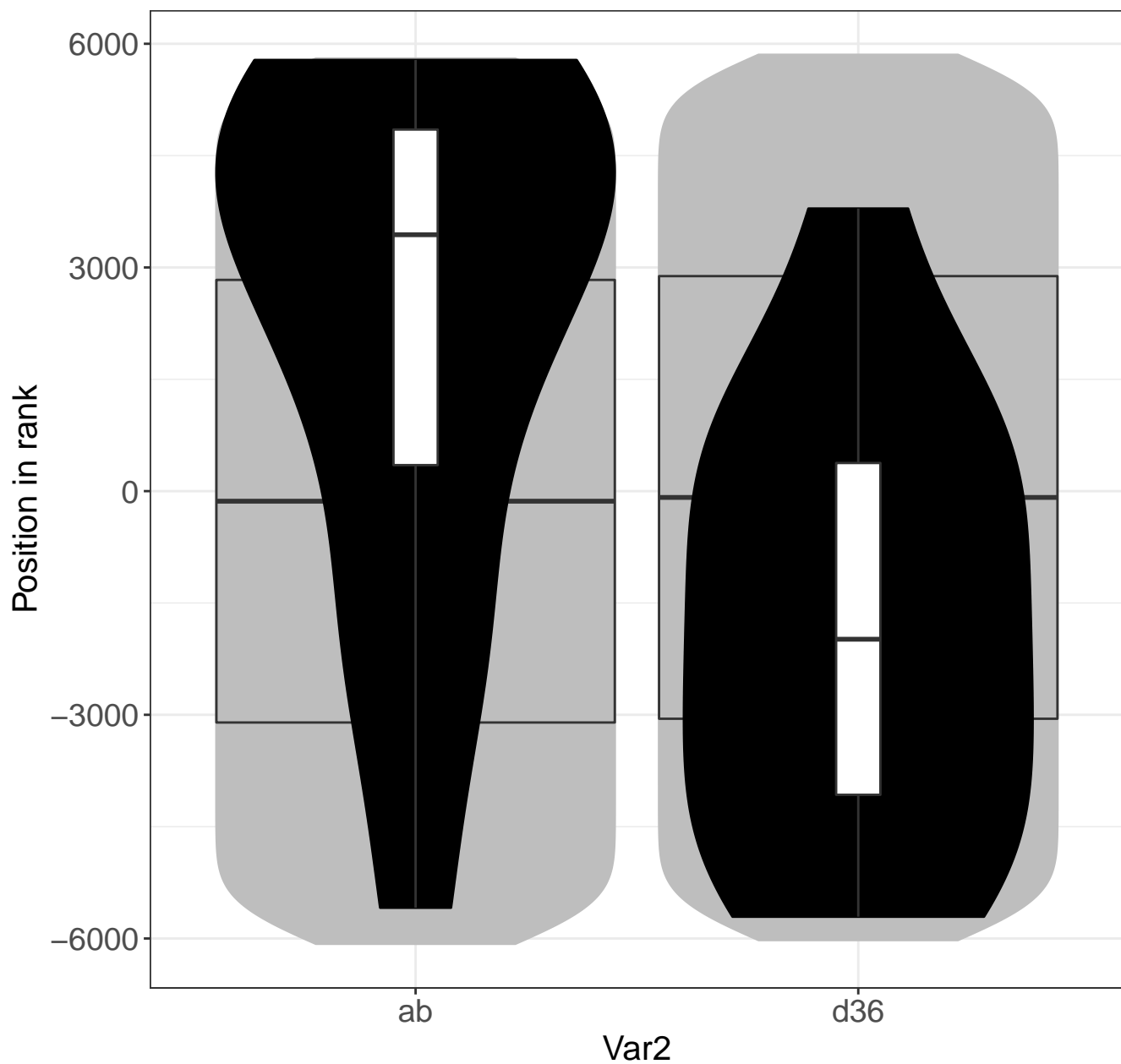




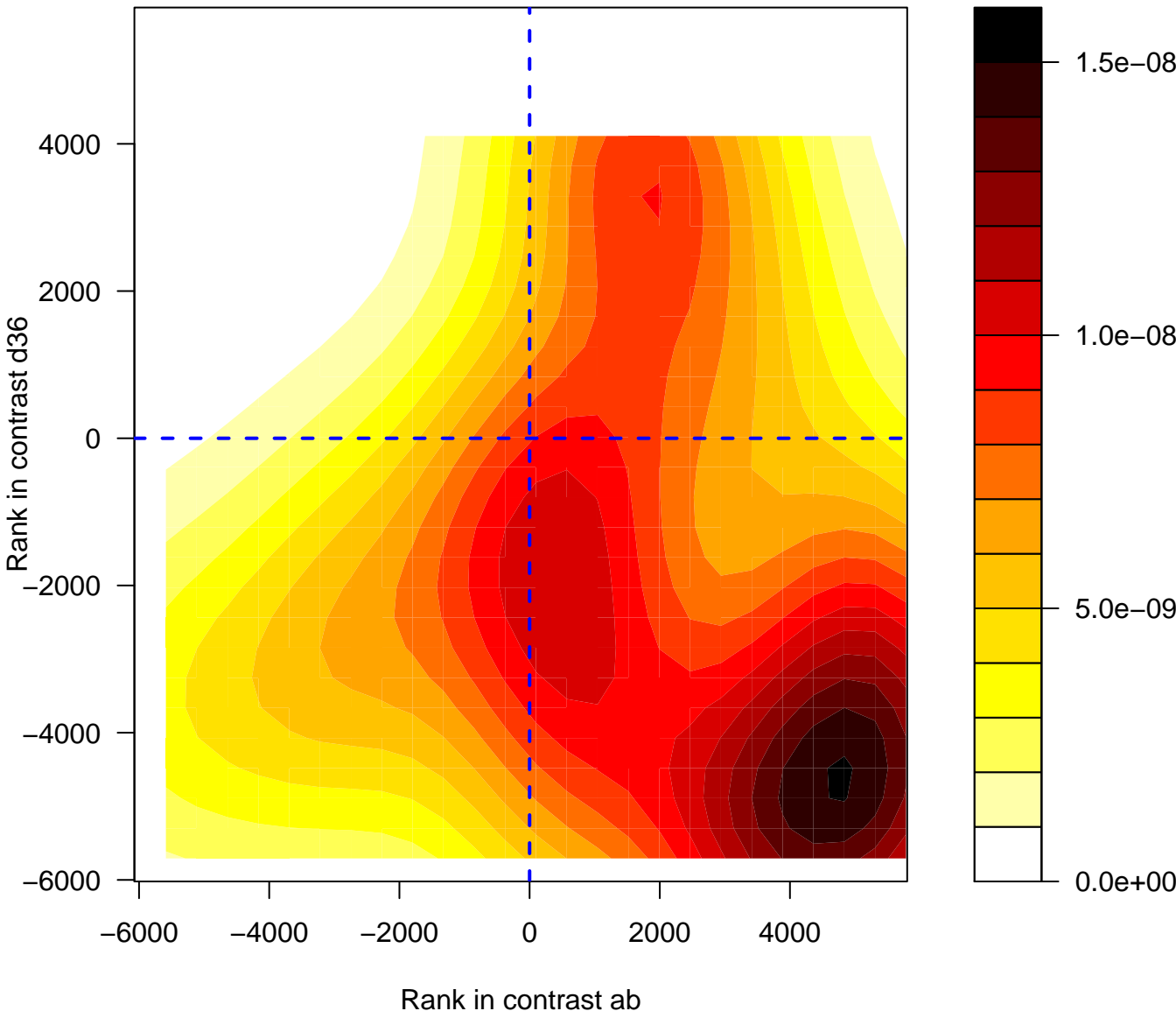
# ADP-signalling-through-P2Y-purinoceptor-12



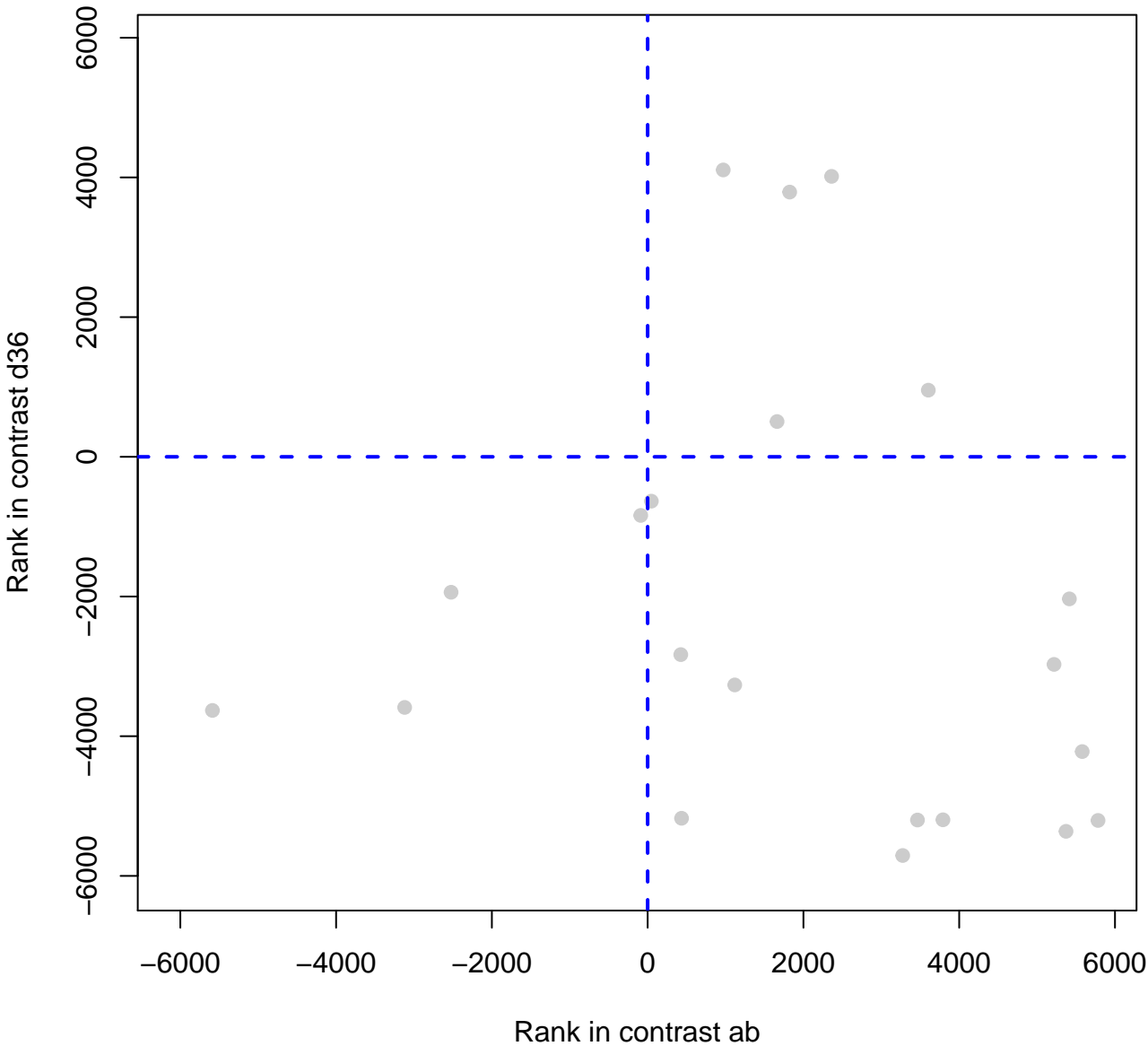
# ADP-signalling-through-P2Y-purinoreceptor-12



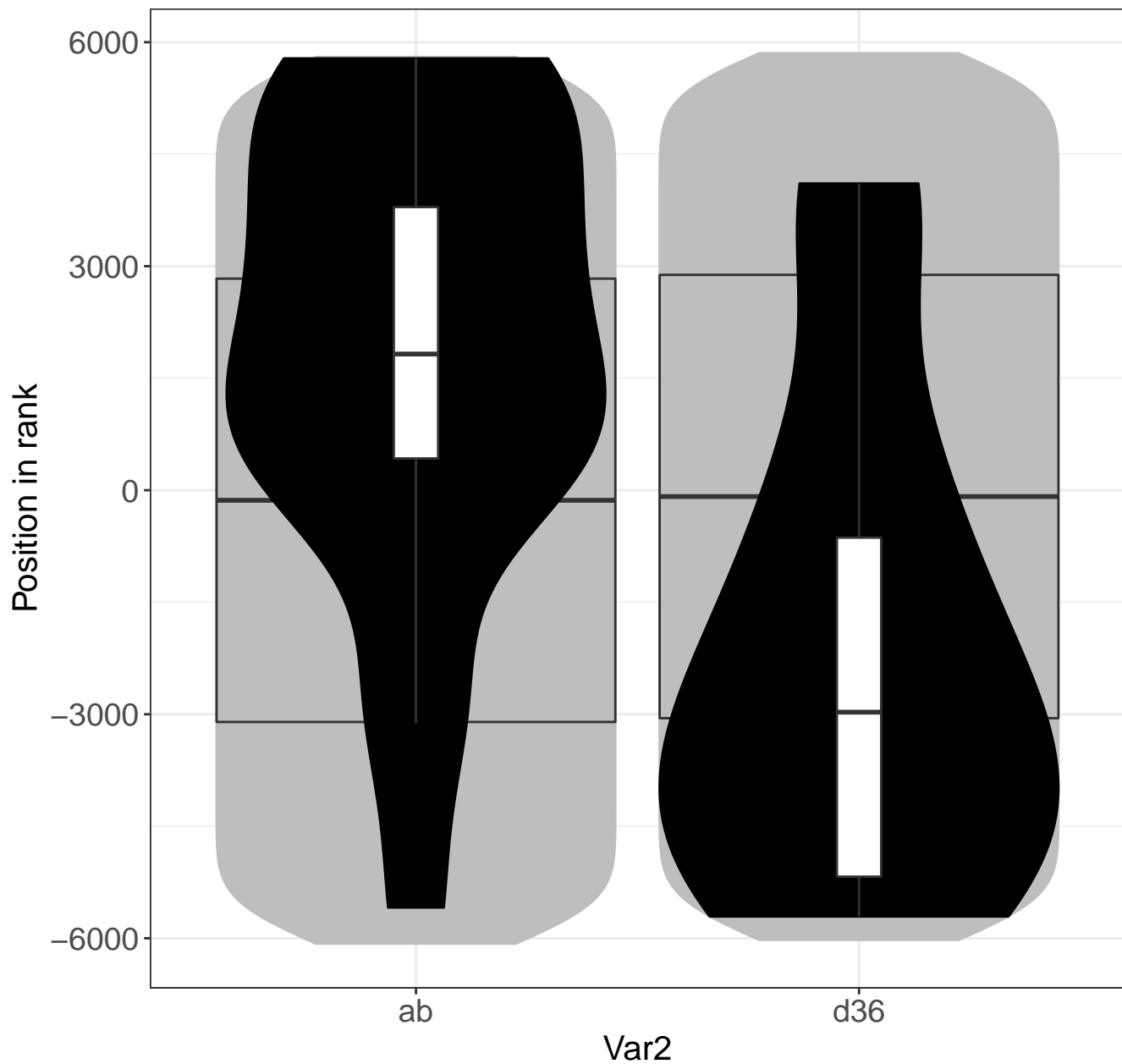
# Thrombin-signalling-through-proteinase-activated-receptors



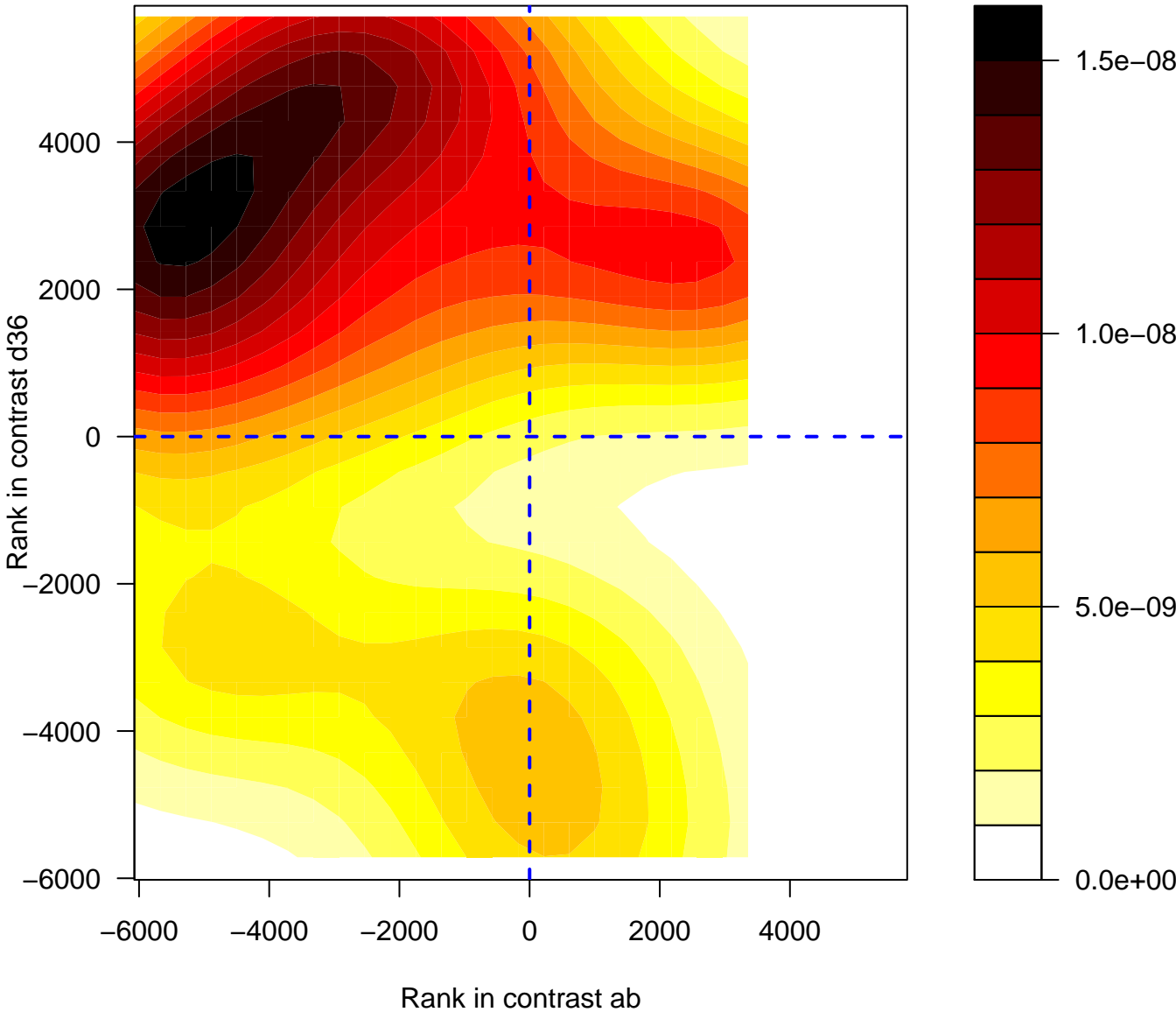
# Thrombin-signalling-through-proteinase-activated-receptors-(PARs)



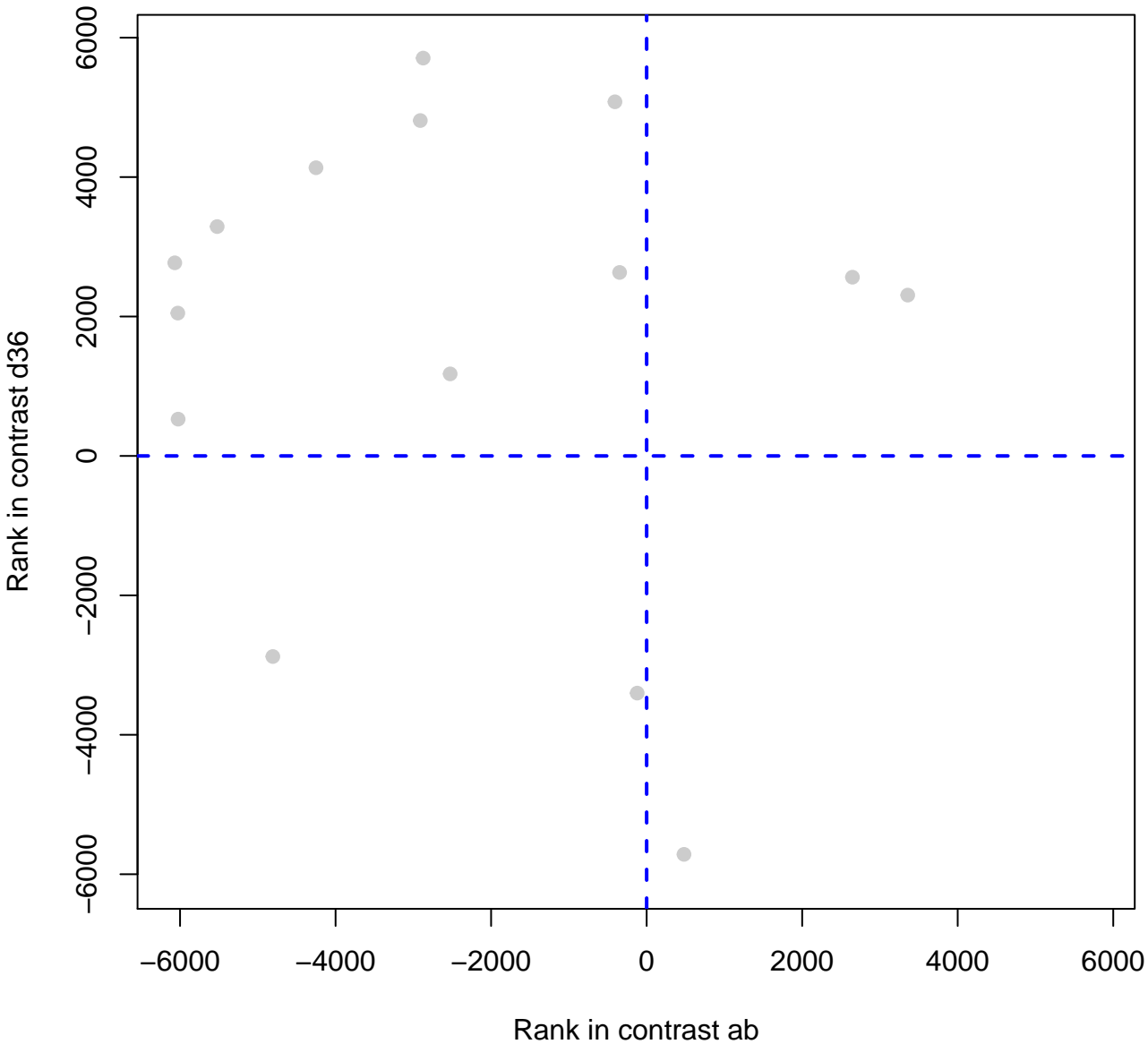
# Thrombin–signalling–through–proteinase–activate



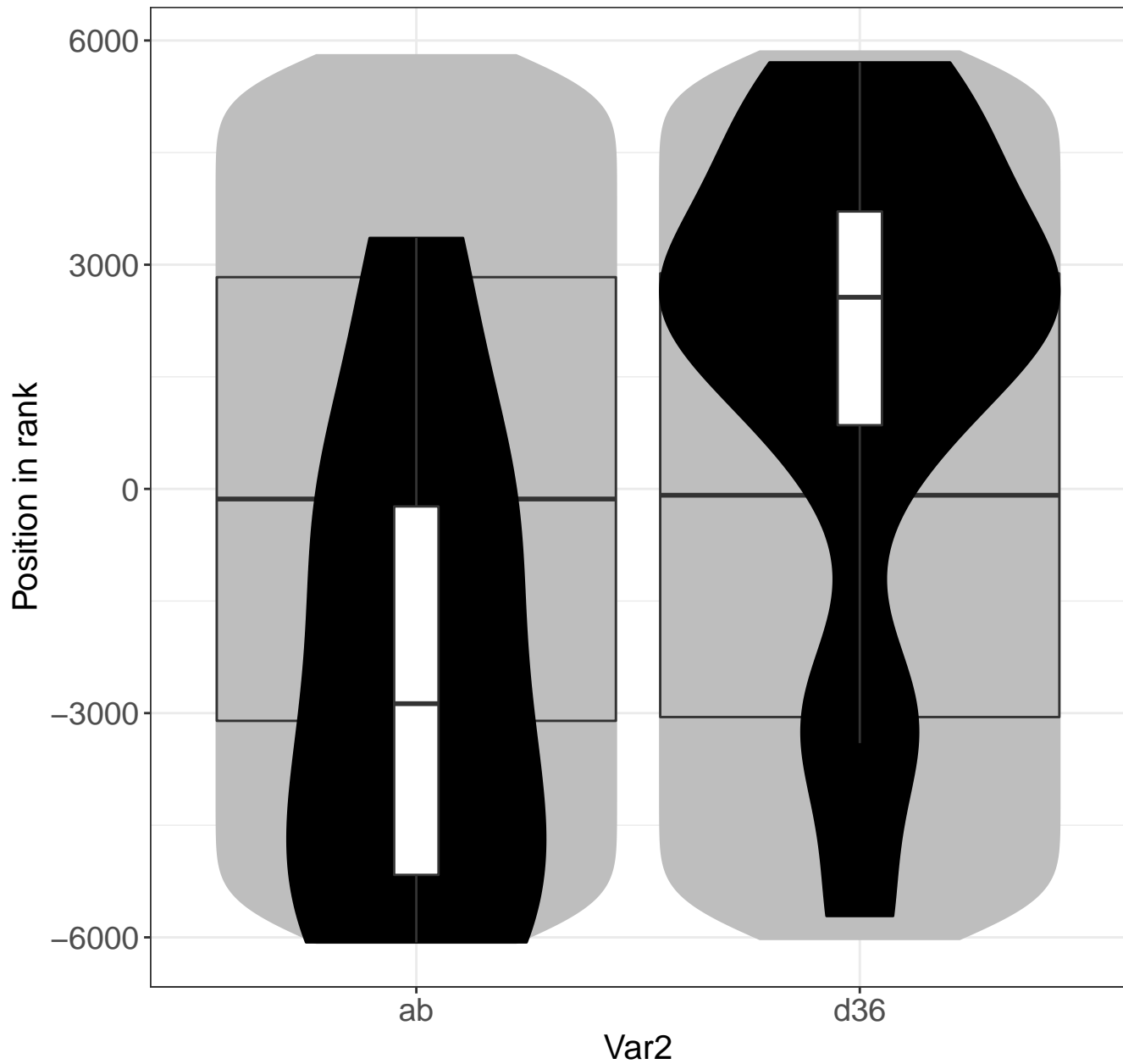
# Interleukin-7-signaling



# Interleukin-7-signaling

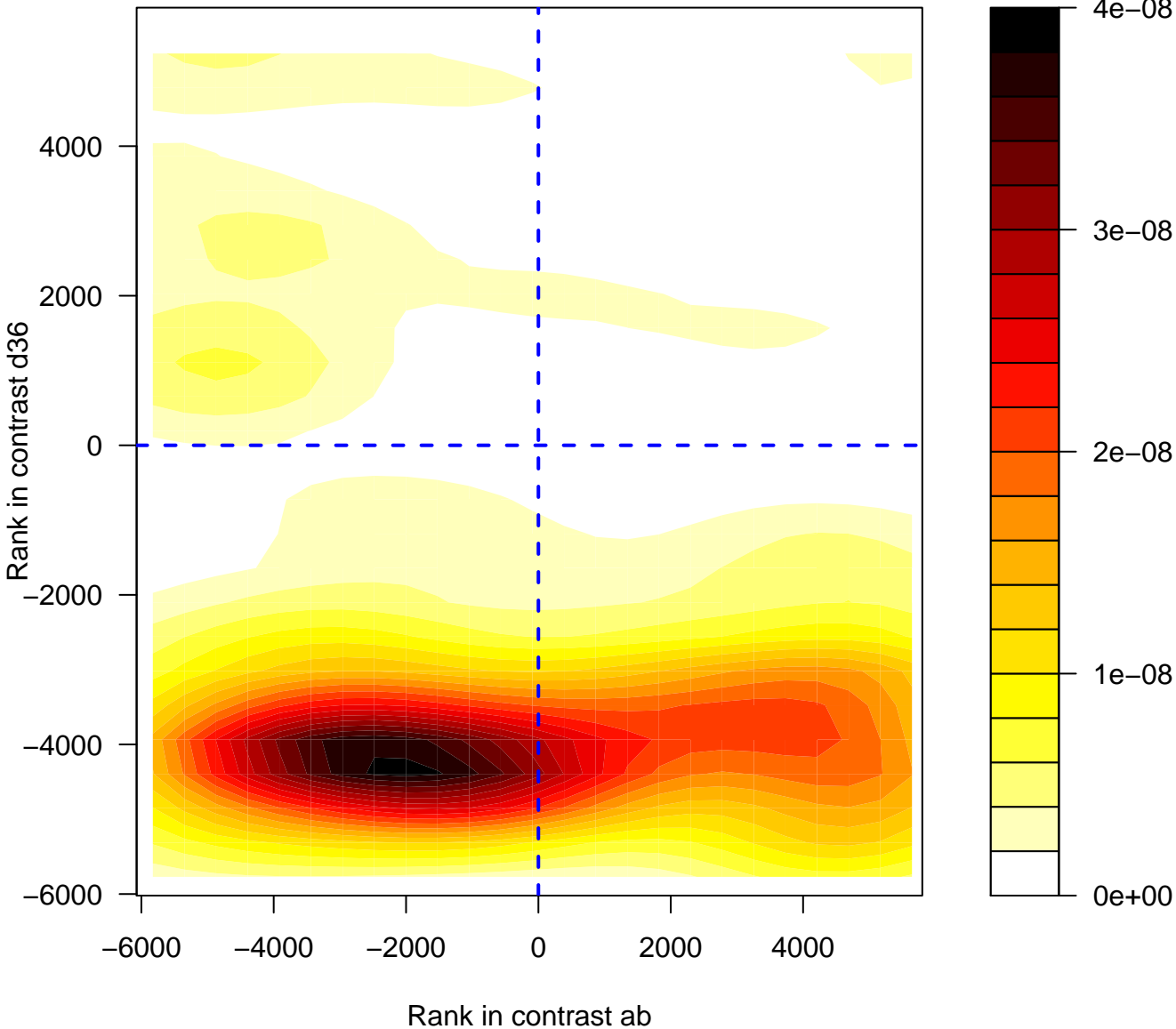


# Interleukin-7-signaling

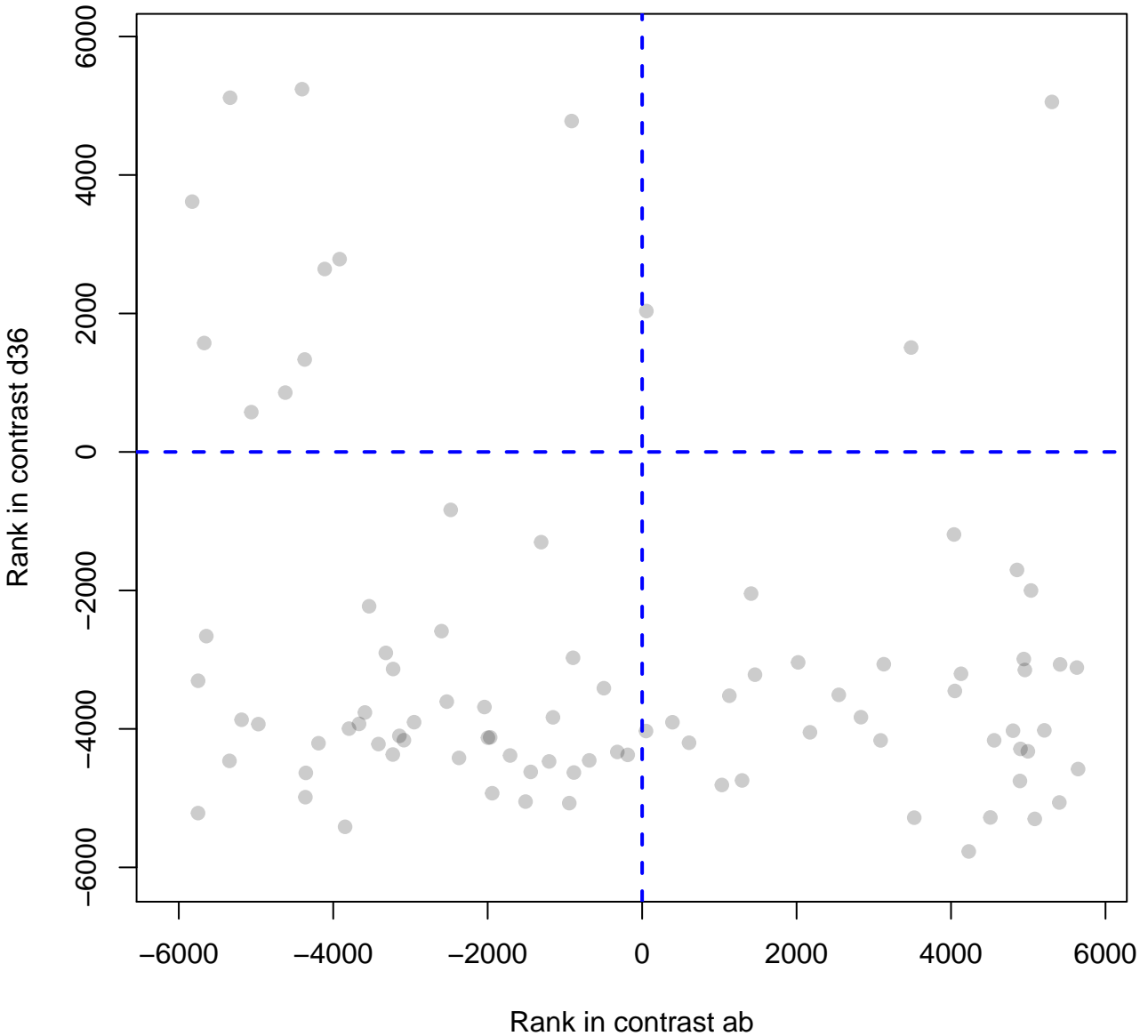




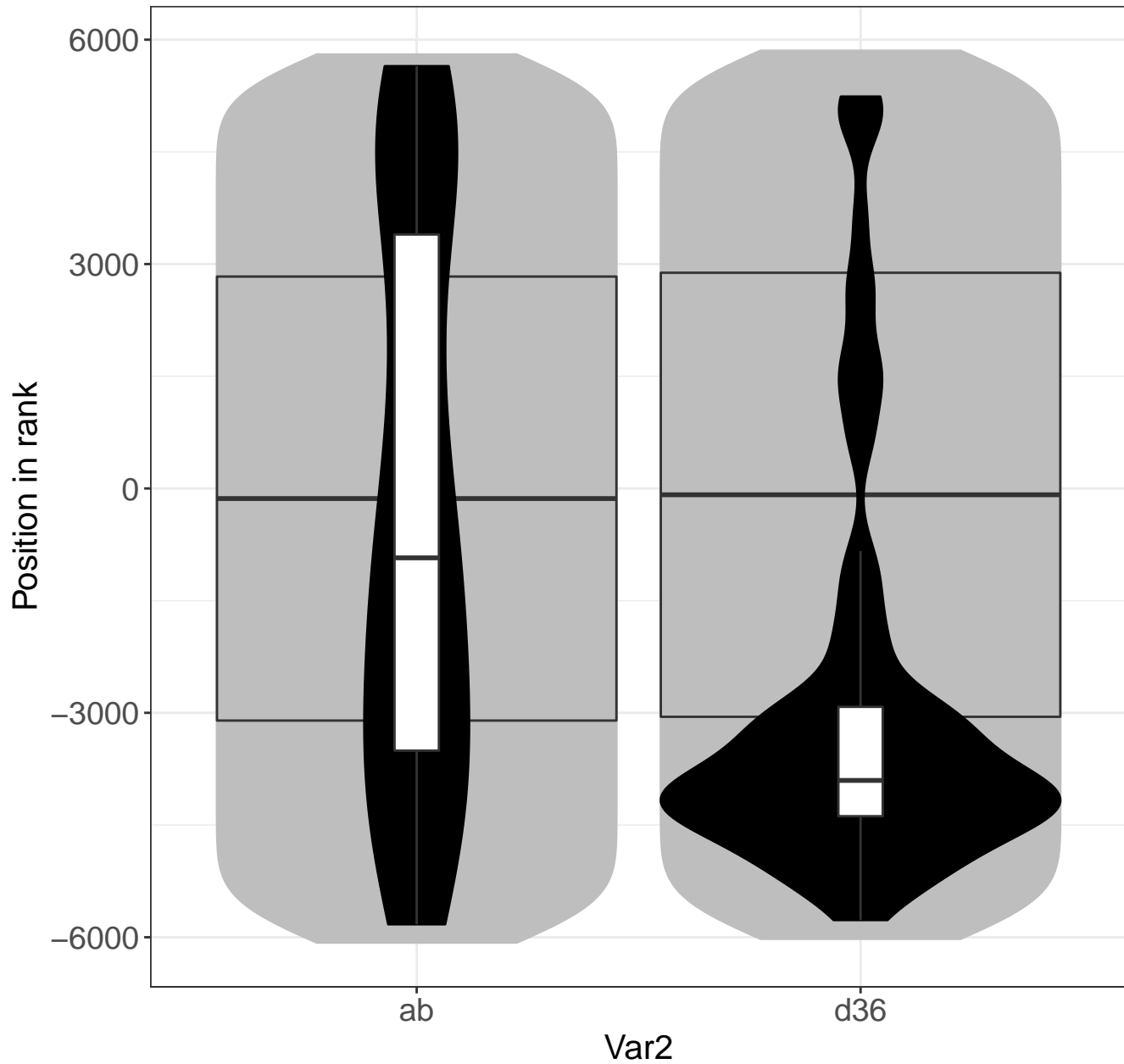
# Selenoamino-acid-metabolism



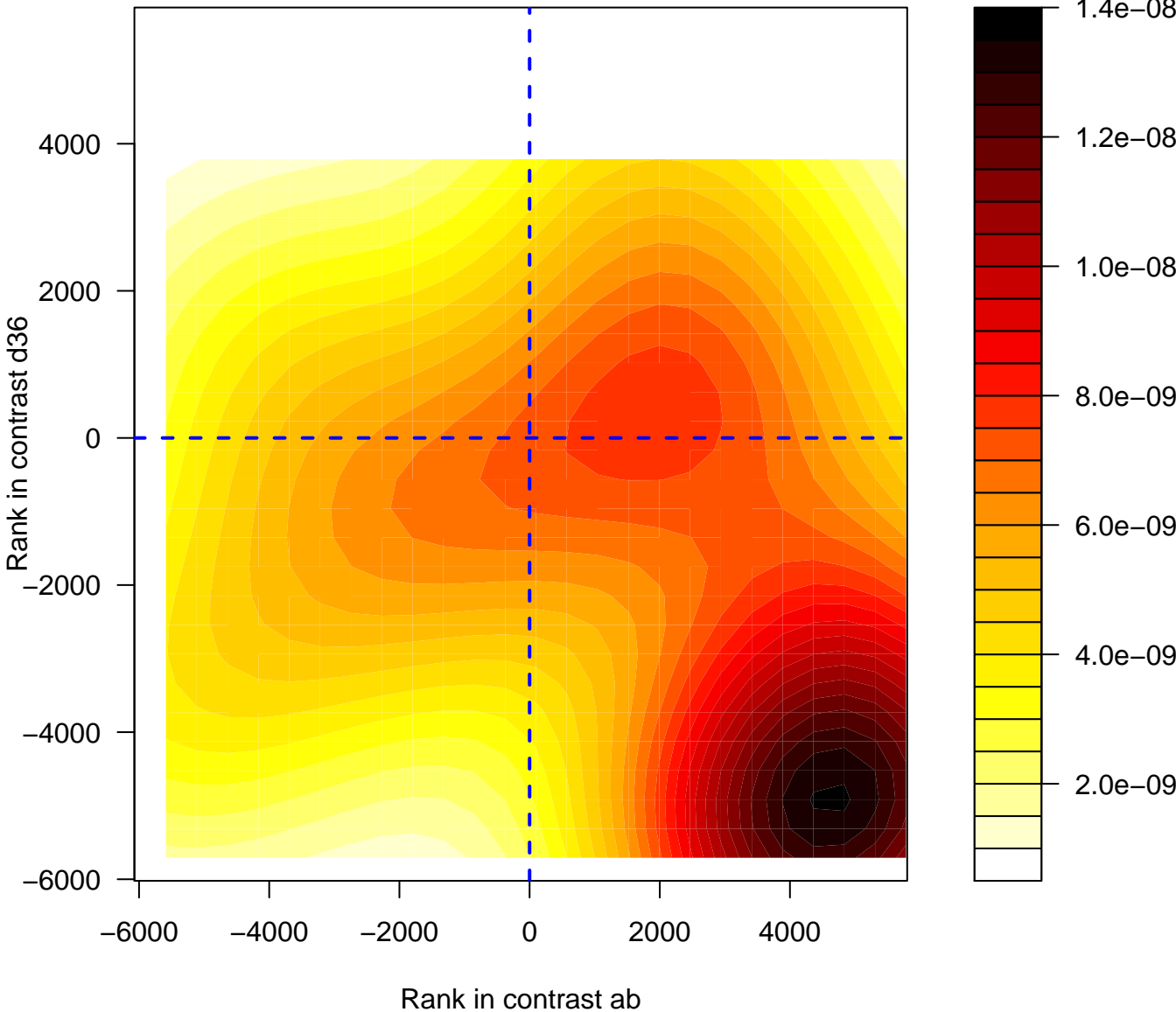
# Selenoamino-acid-metabolism



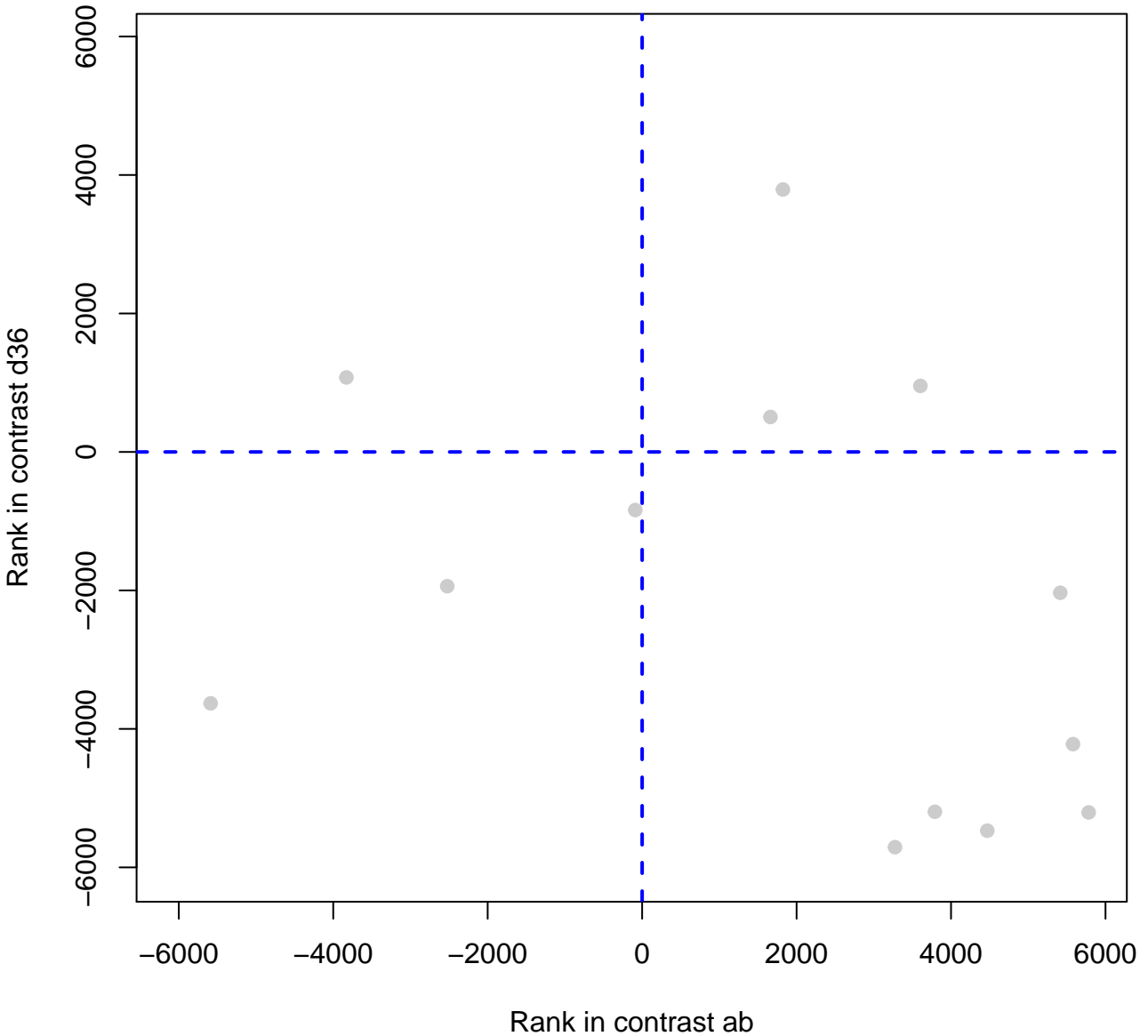
# Selenoamino-acid-metabolism



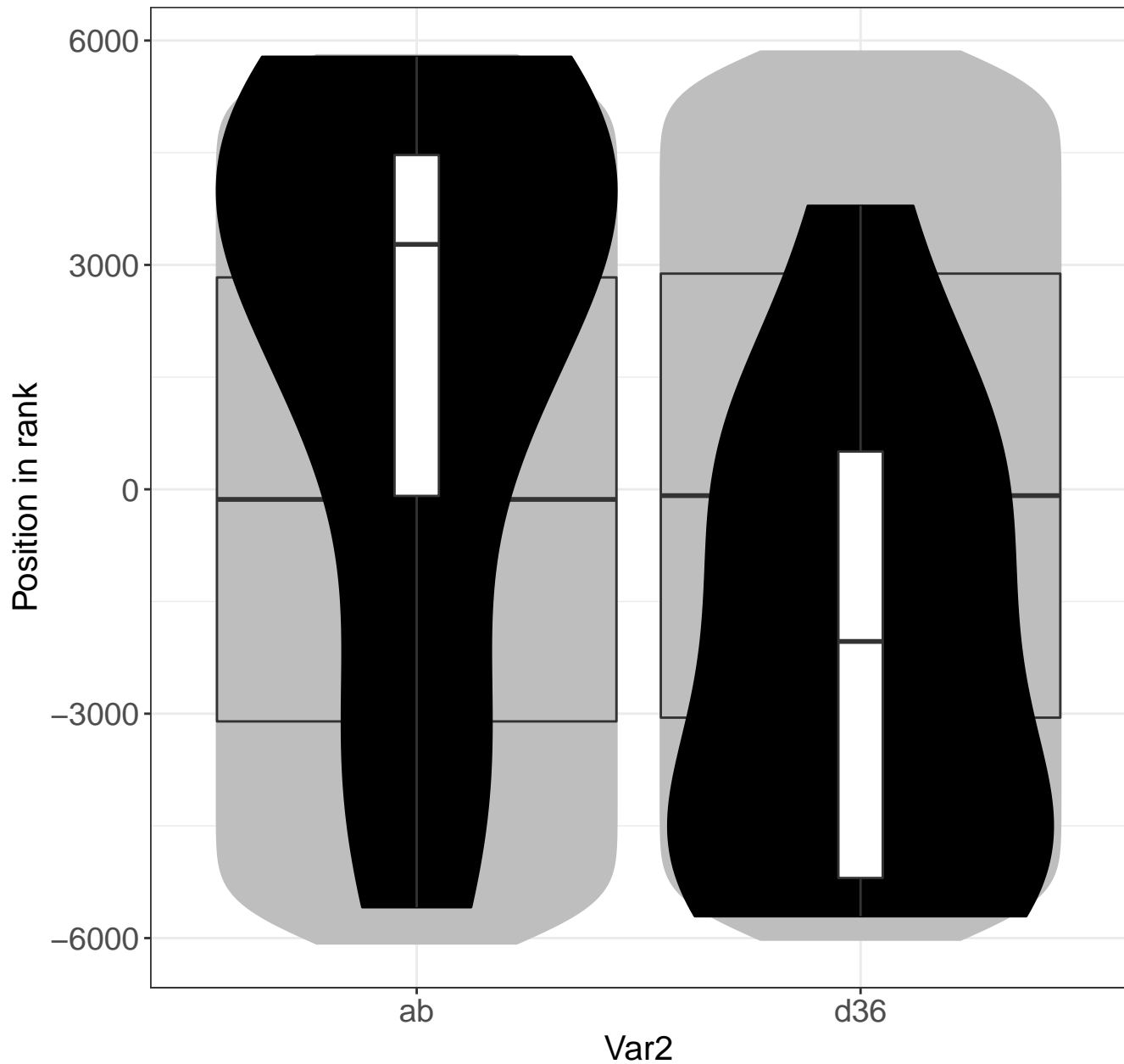
# G-beta:gamma-signalling-through-CDC42



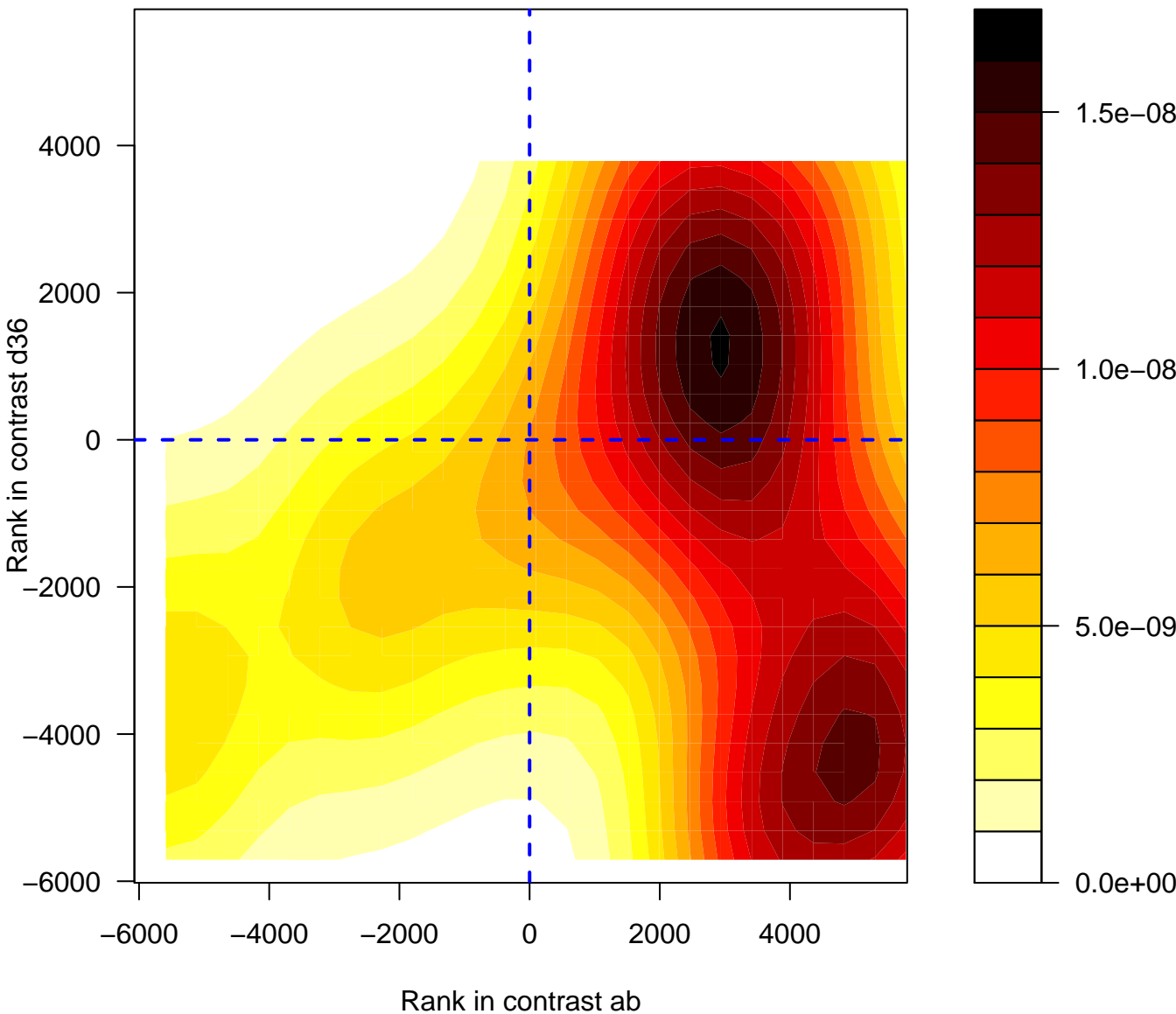
# G-beta:gamma-signalling-through-CDC42



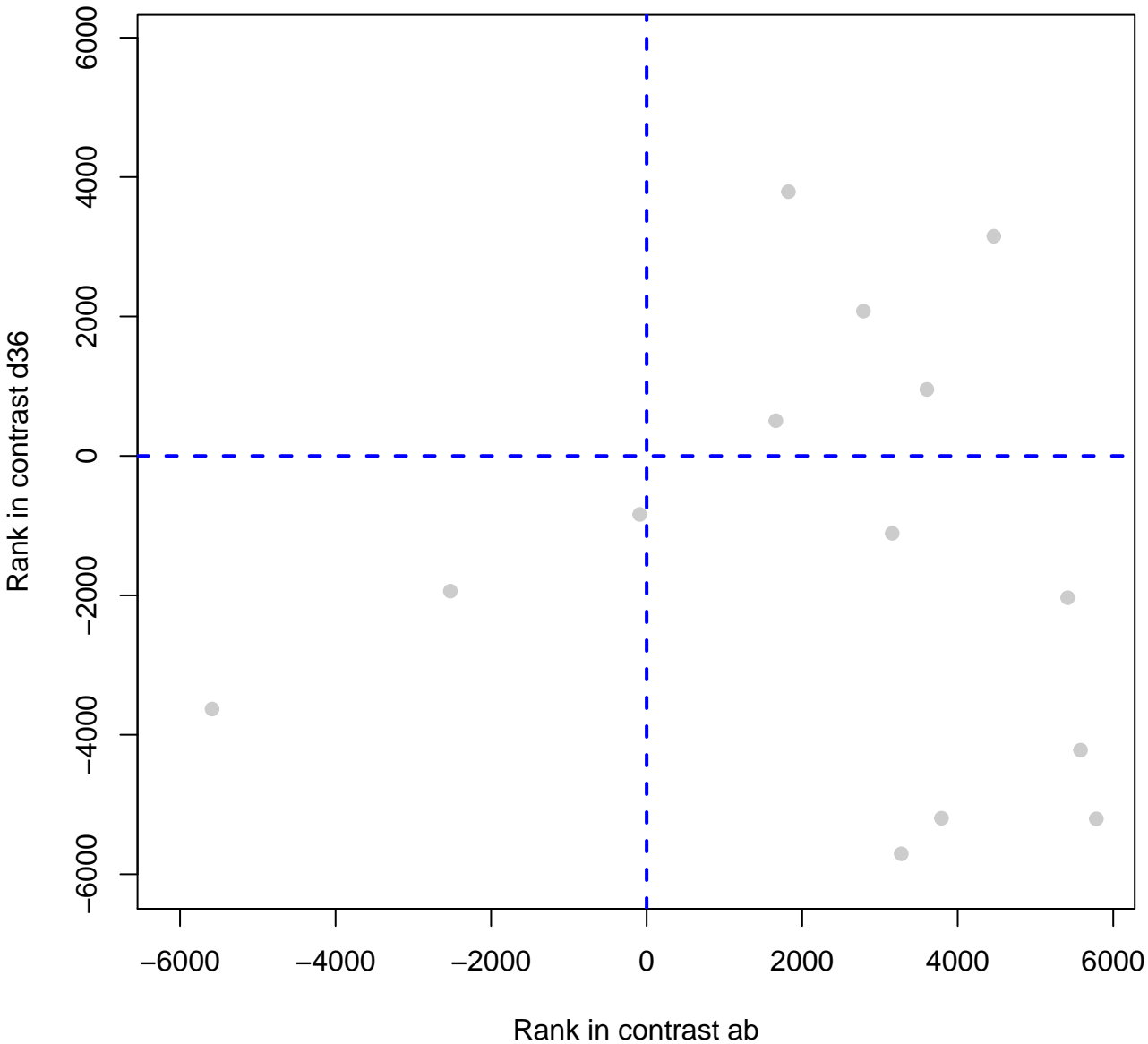
# G-beta:gamma-signalling-through-CDC42



# G-beta:gamma-signalling-through-PLC-beta

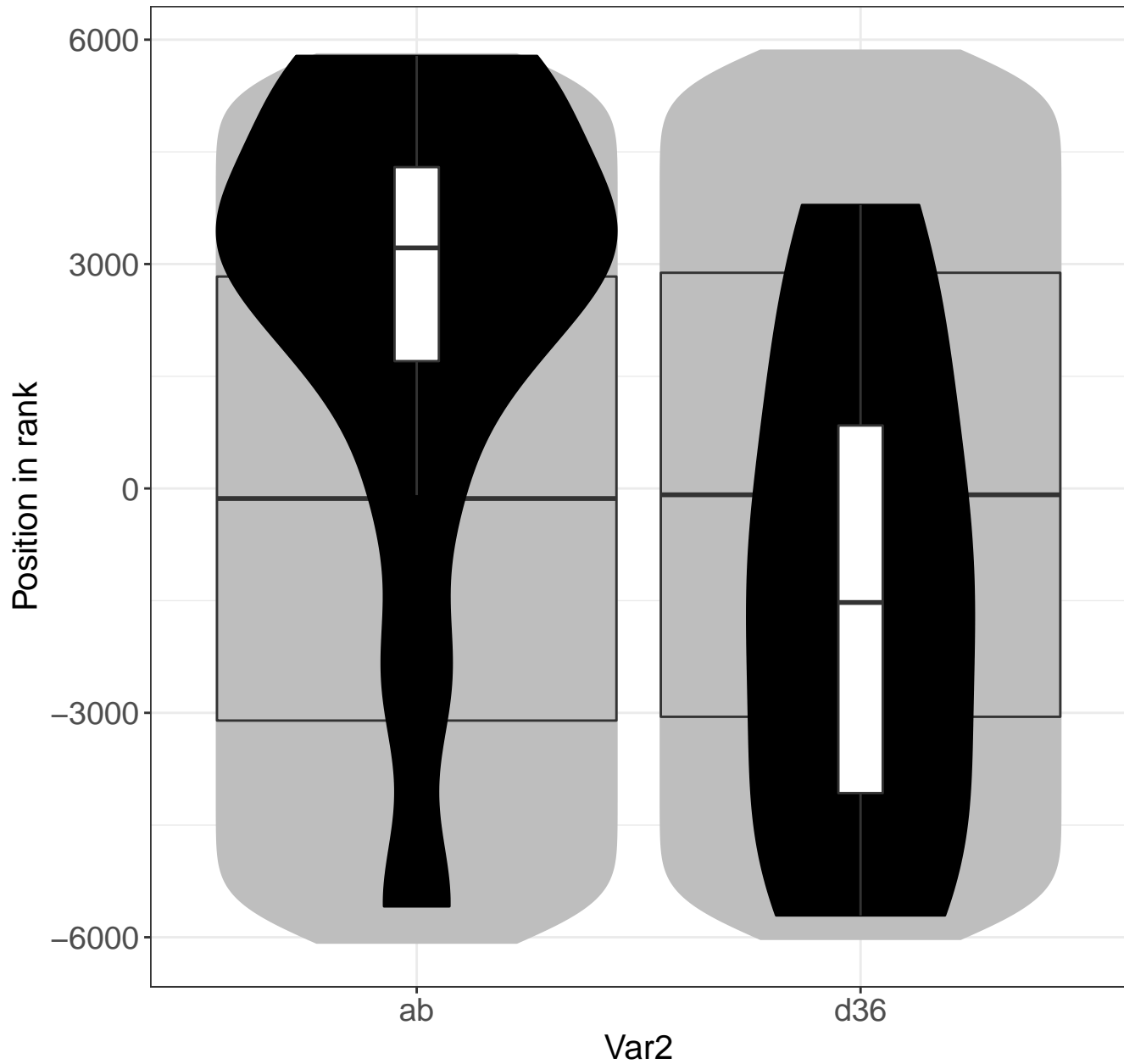


# G-beta:gamma-signalling-through-PLC-beta

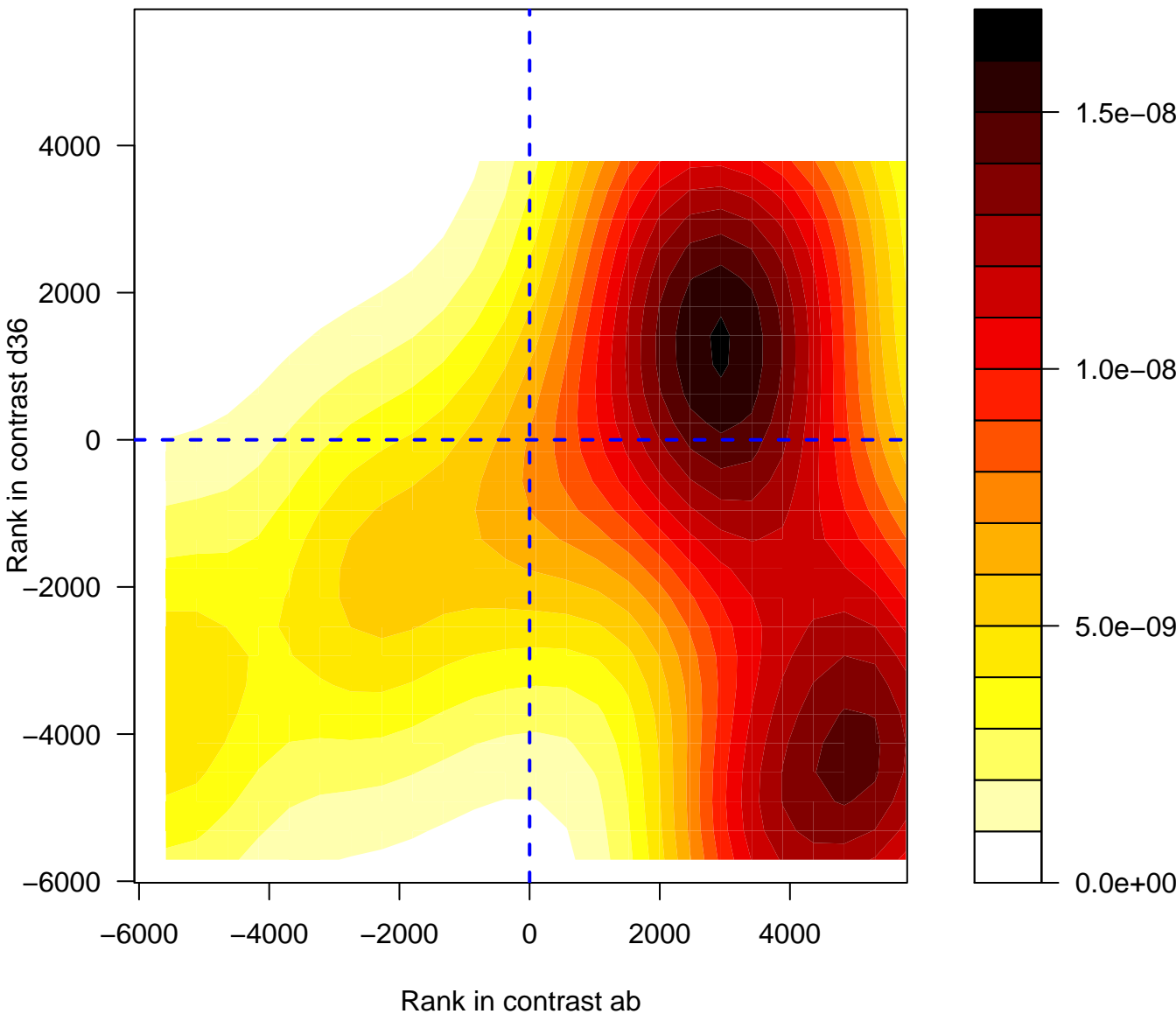




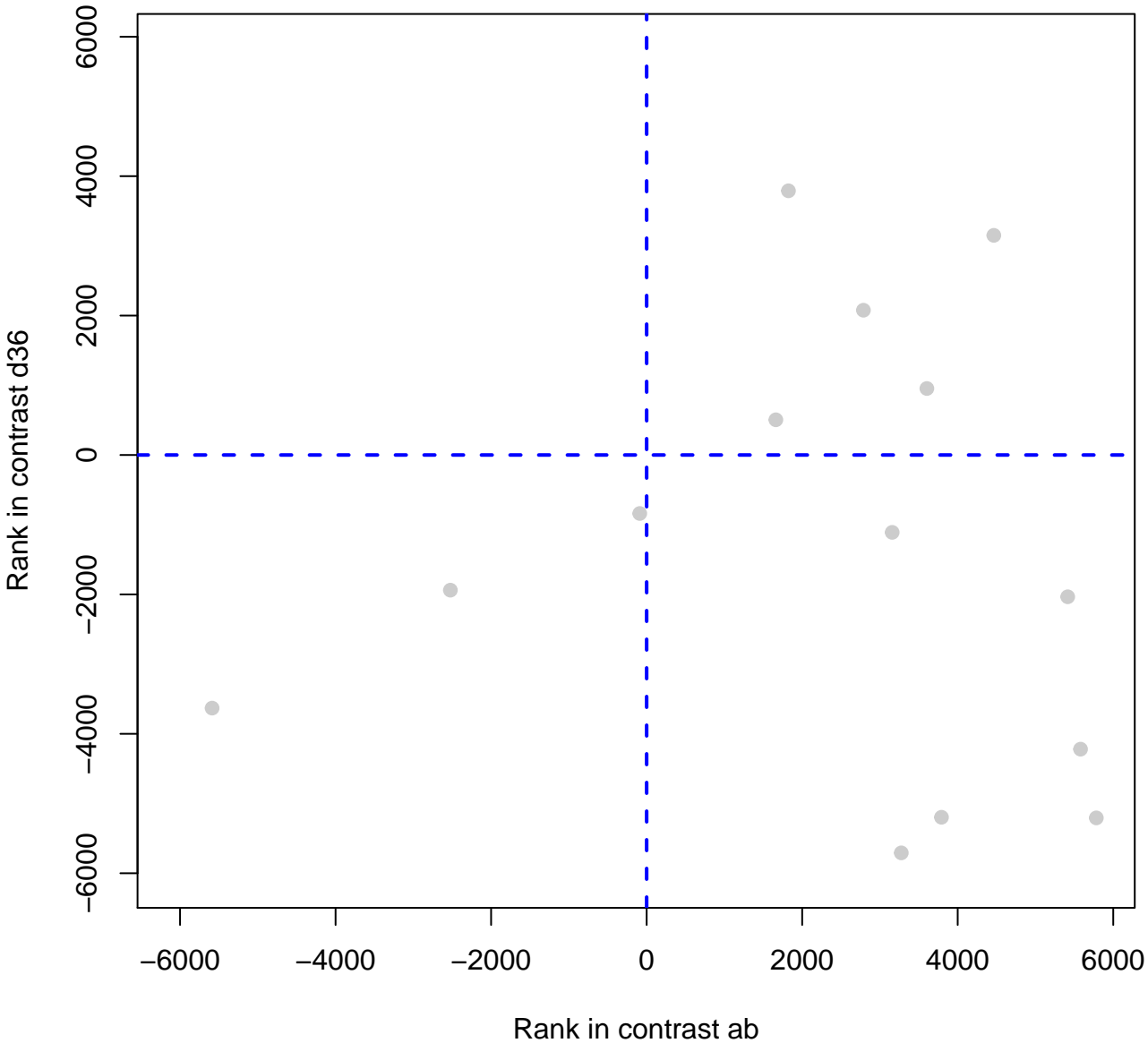
# G-beta:gamma-signalling-through-PLC-beta



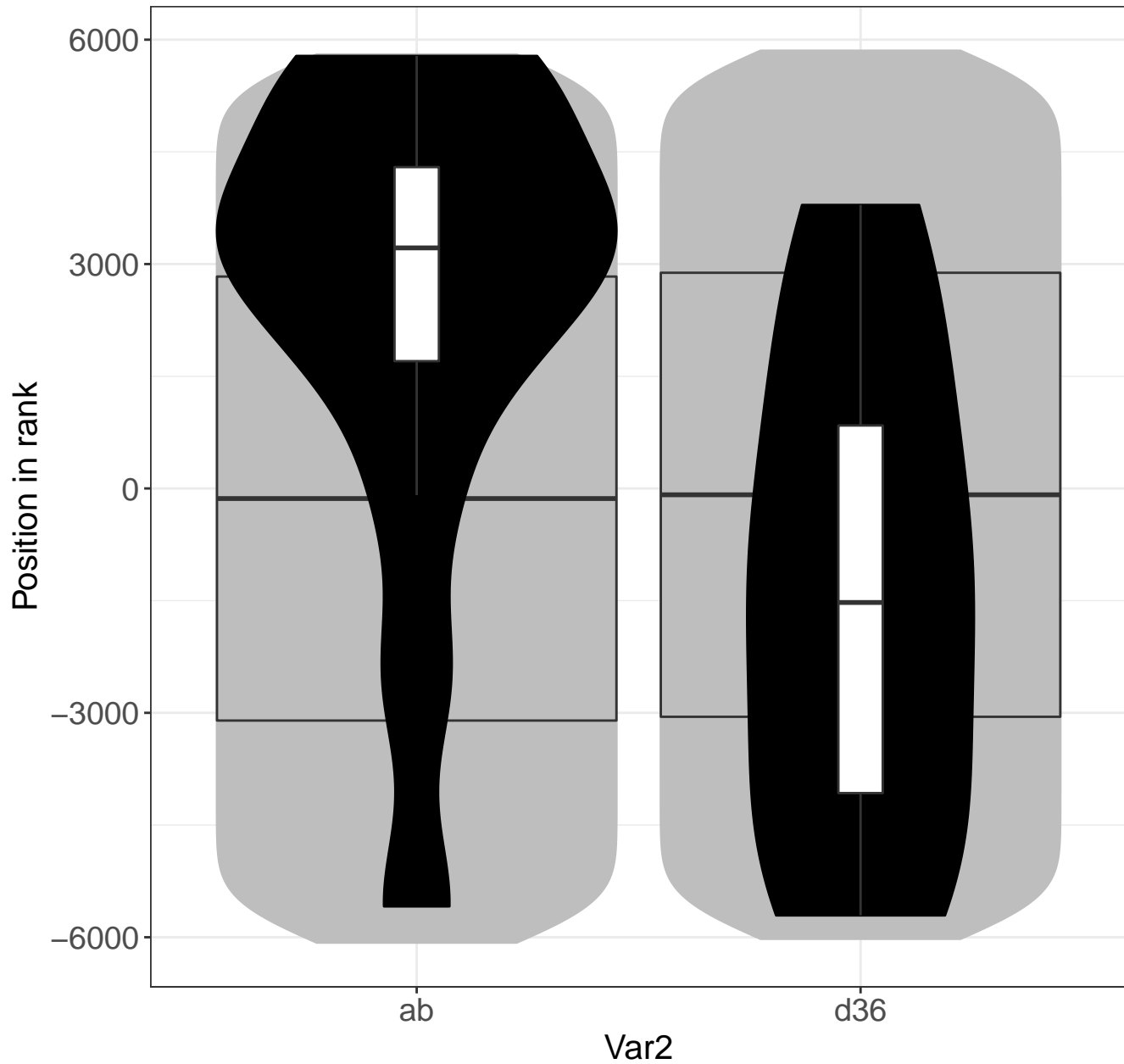
# Presynaptic-function-of-Kainate-receptors



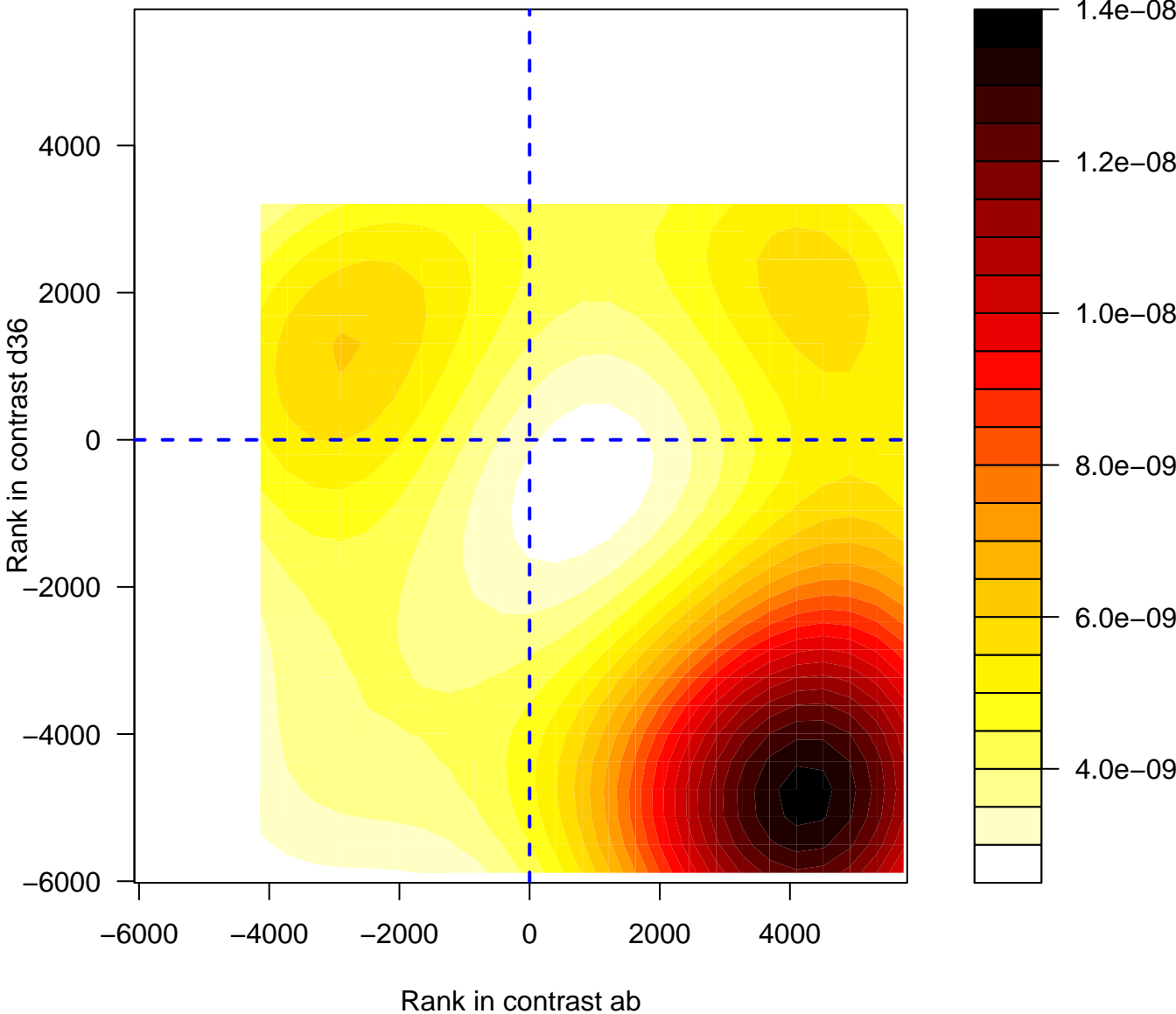
# Presynaptic-function-of-Kainate-receptors



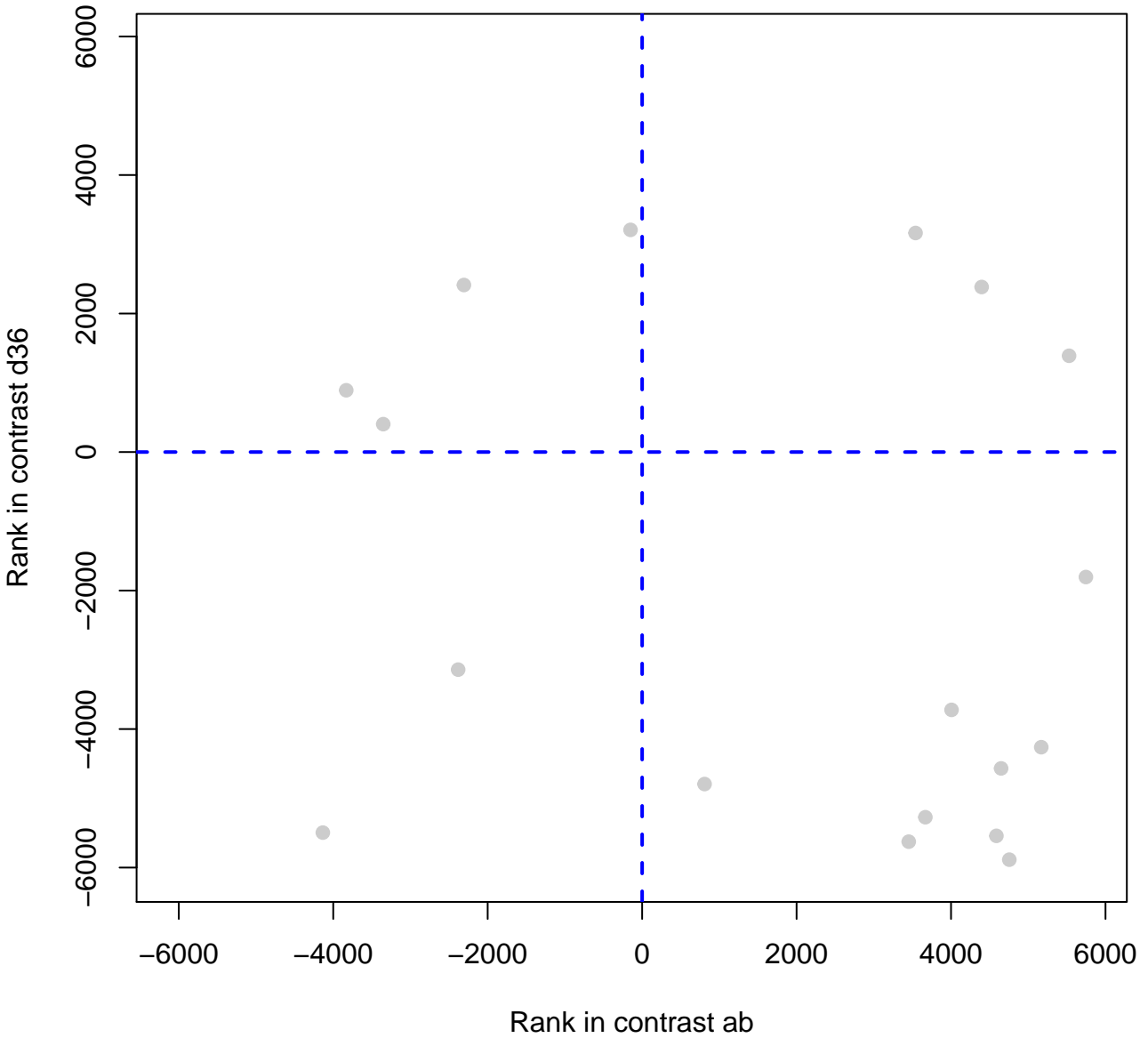
# Presynaptic-function-of-Kainate-receptors



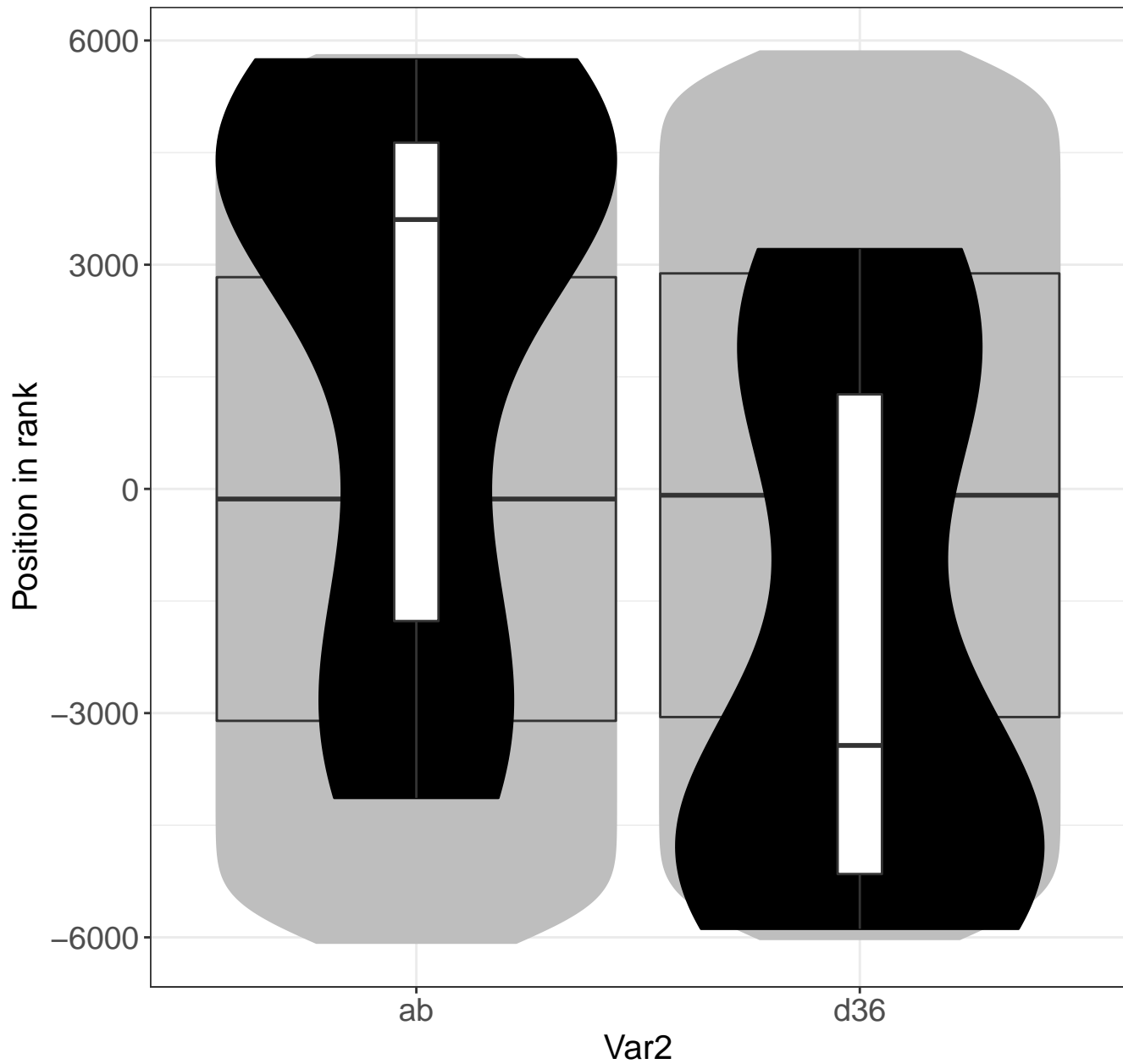
# Basigin-interactions



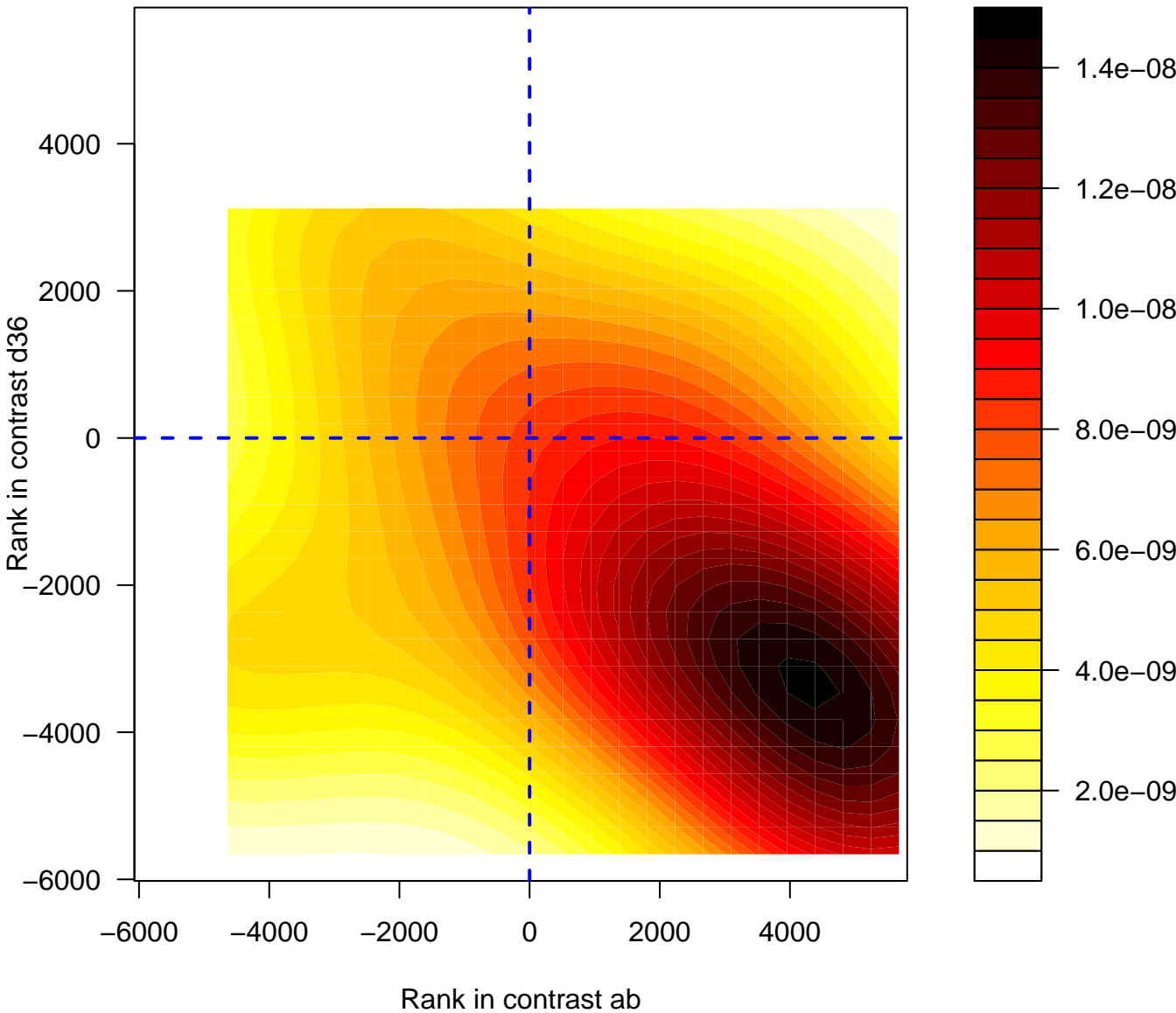
# Basigin-interactions



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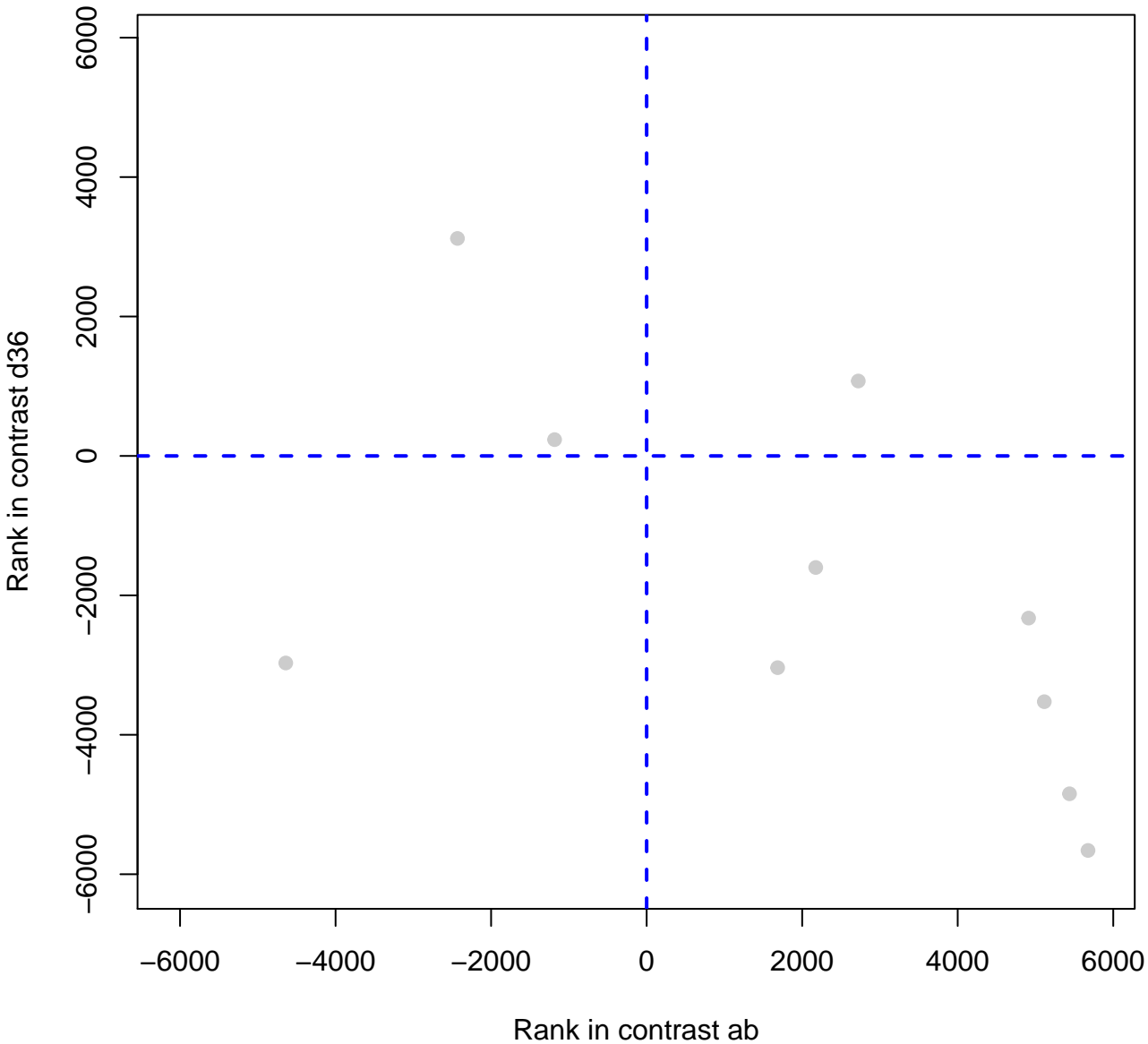


# Synthesis-of-Prostaglandins-(PG)-and-Thromboxanes-(

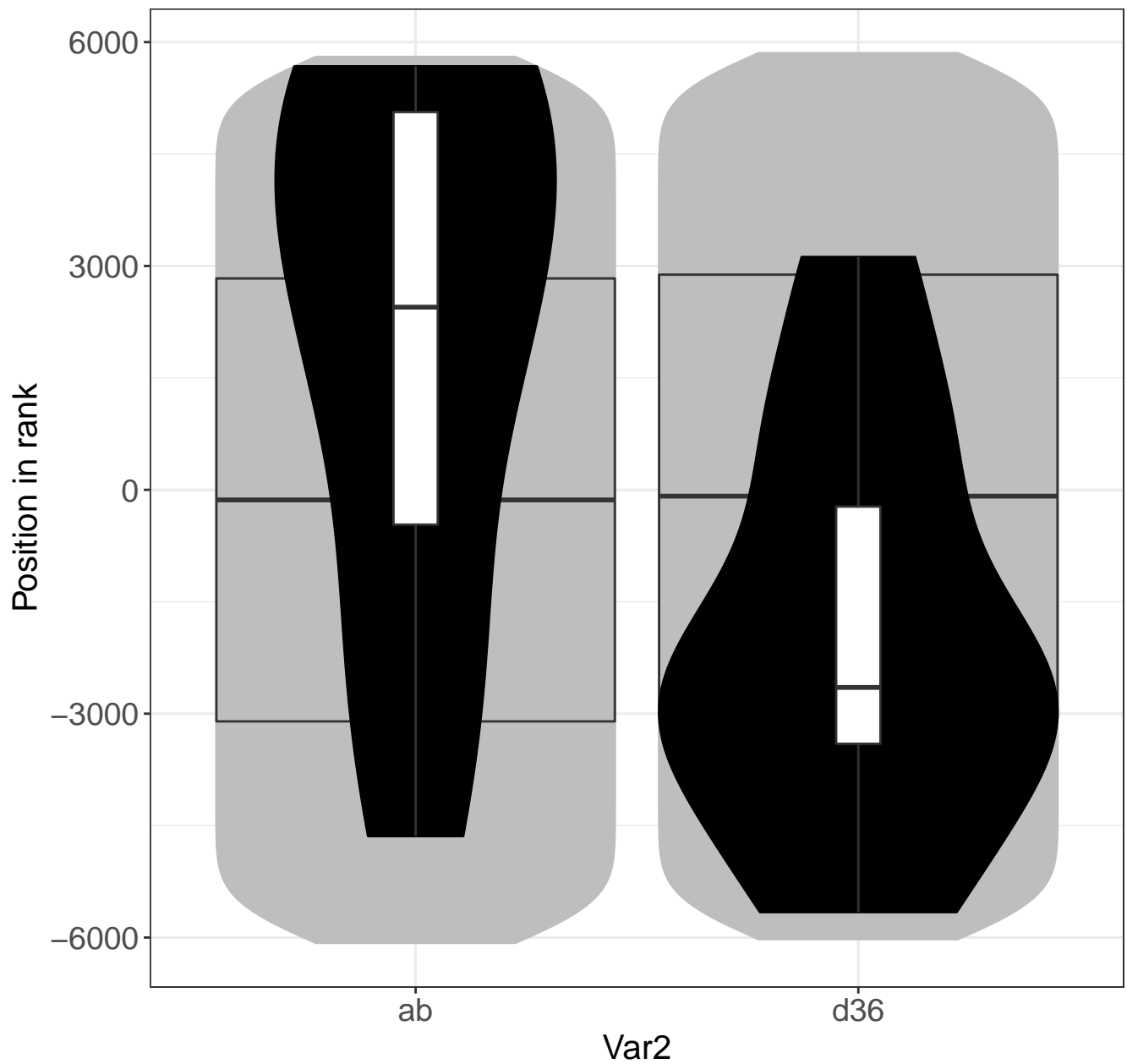




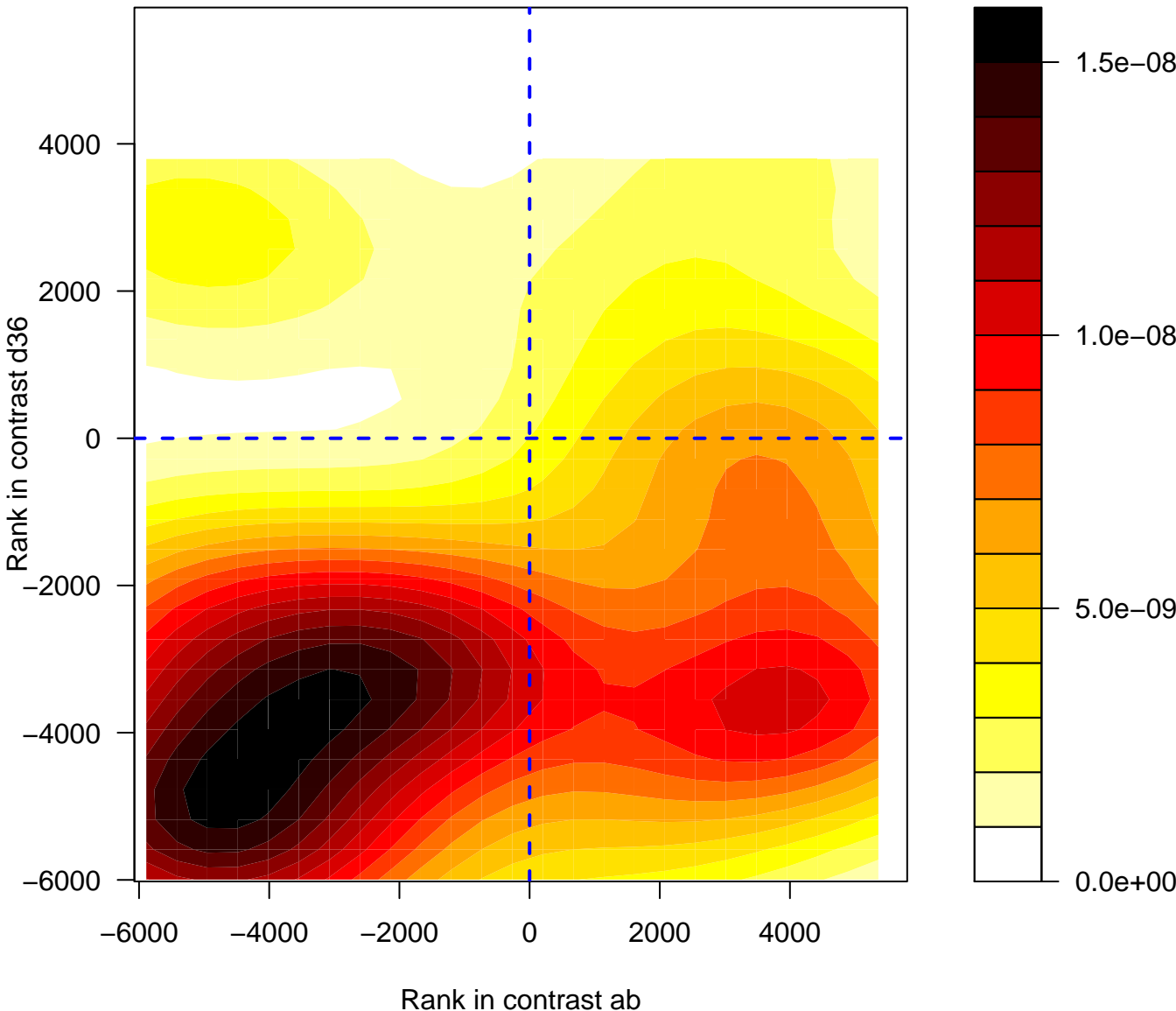
# Synthesis-of-Prostaglandins-(PG)-and-Thromboxanes-(TX)



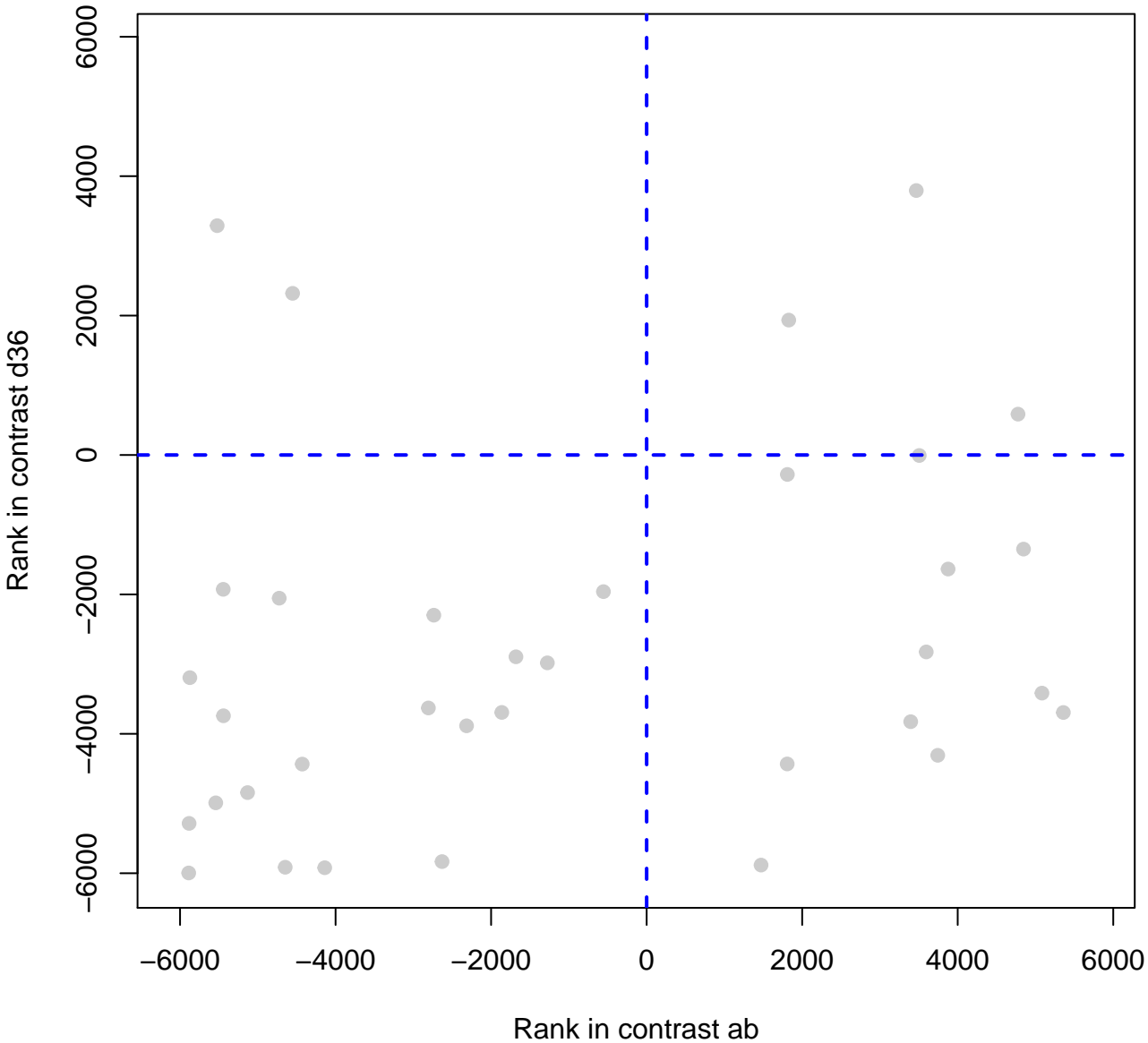
# Synthesis-of-Prostaglandins-(PG)-and-Thromb



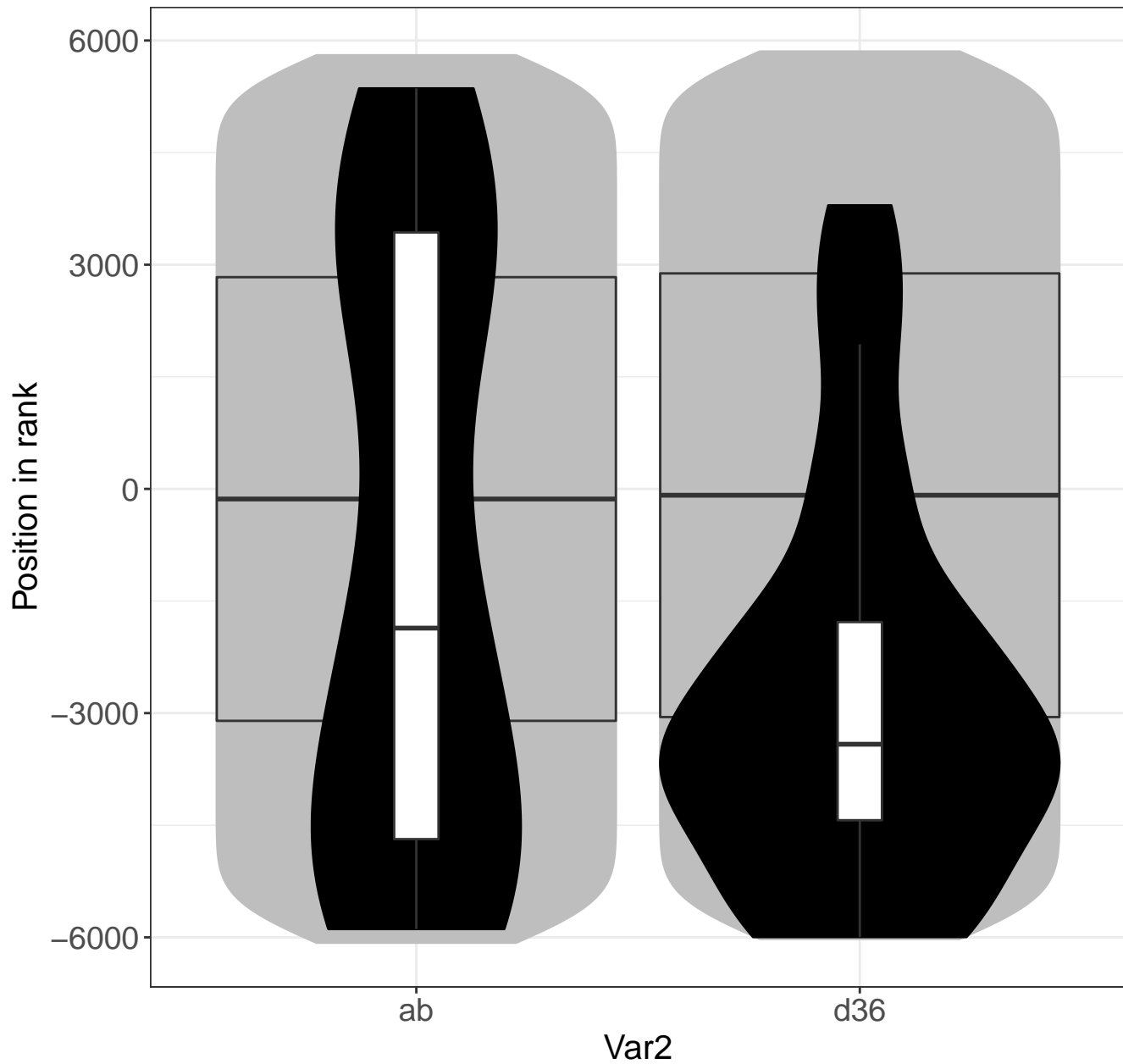
# Interferon- $\alpha$ / $\beta$ -signaling



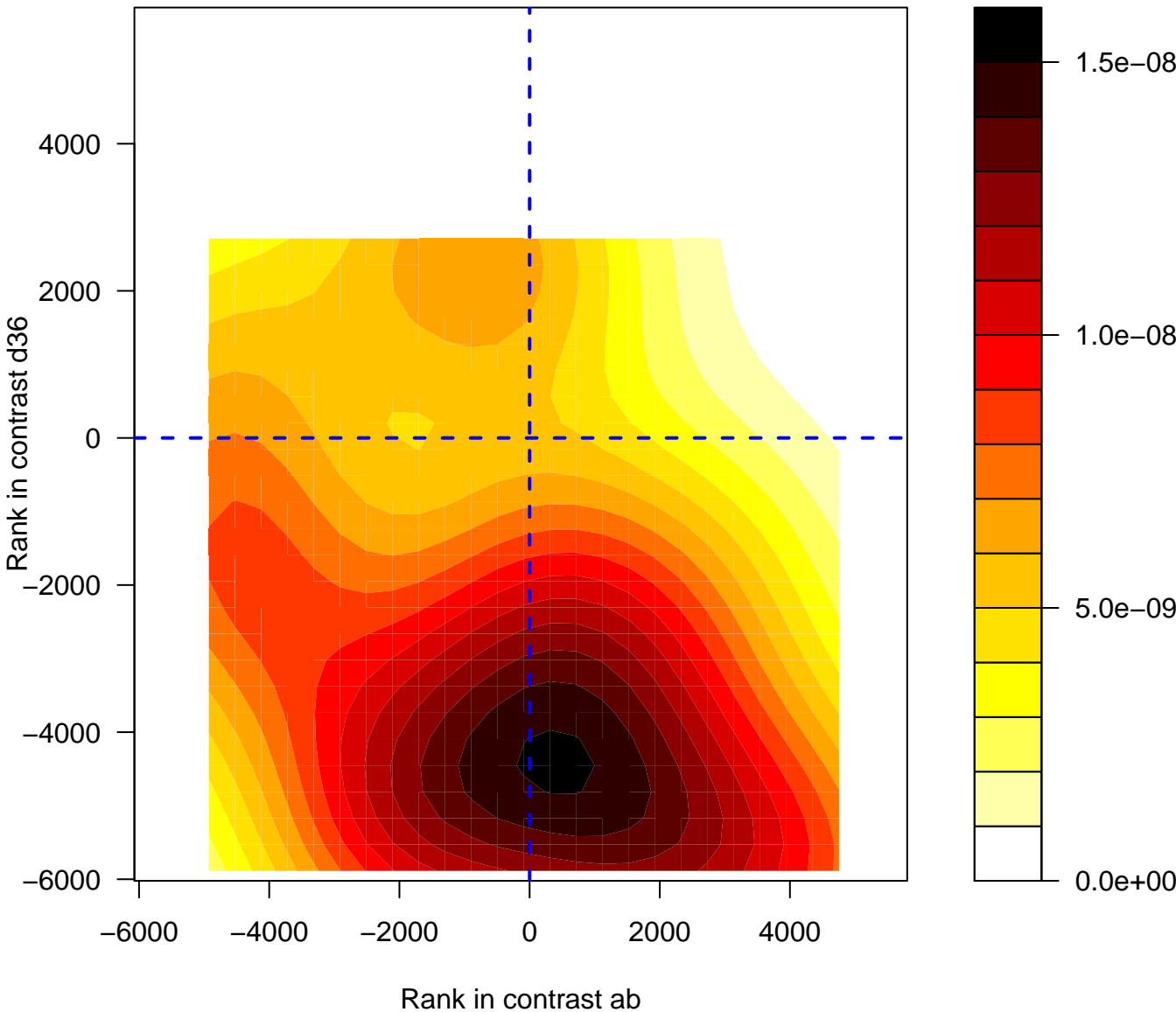
# Interferon-alpha/beta-signaling



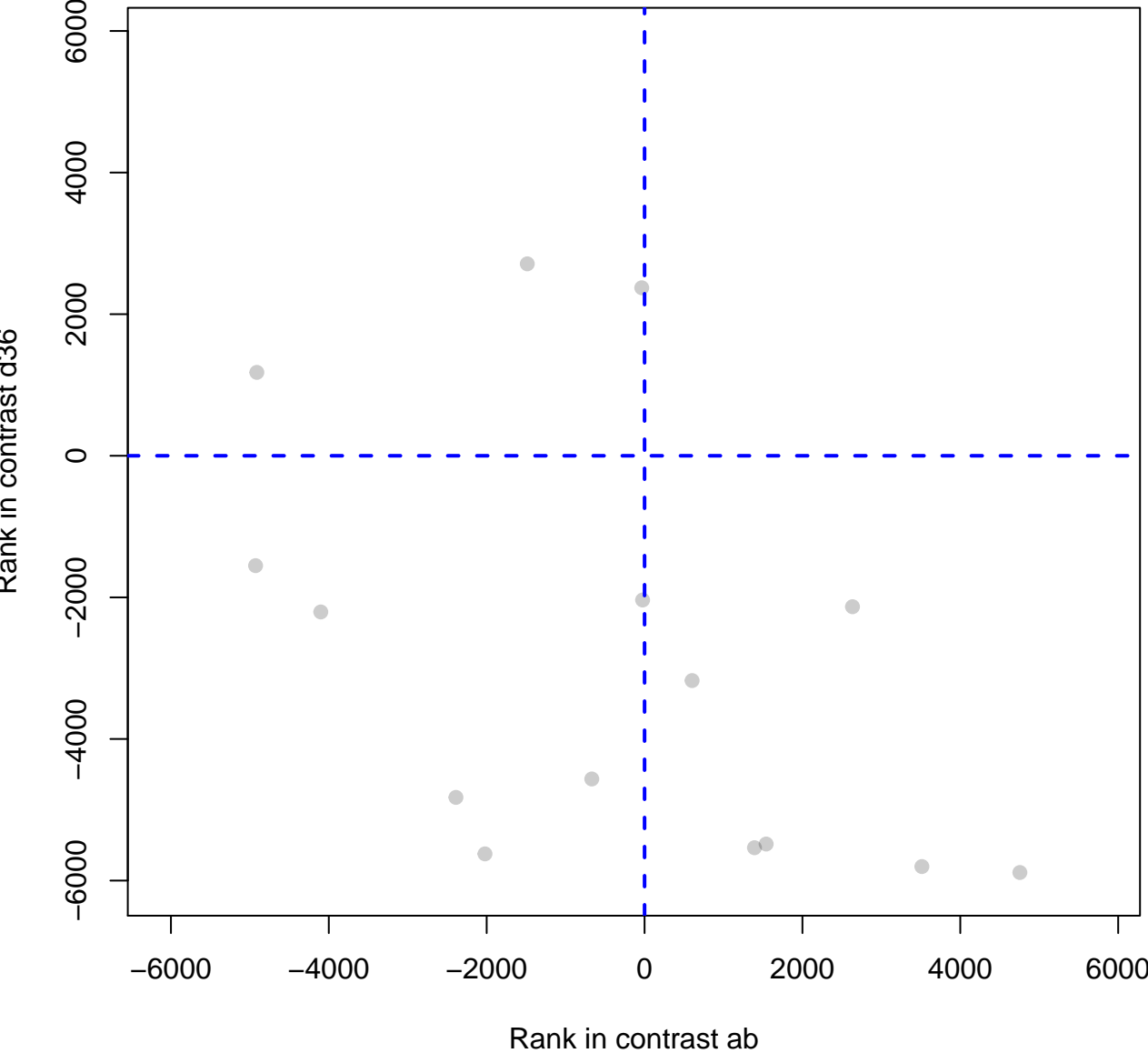
# Interferon-alpha/beta-signaling



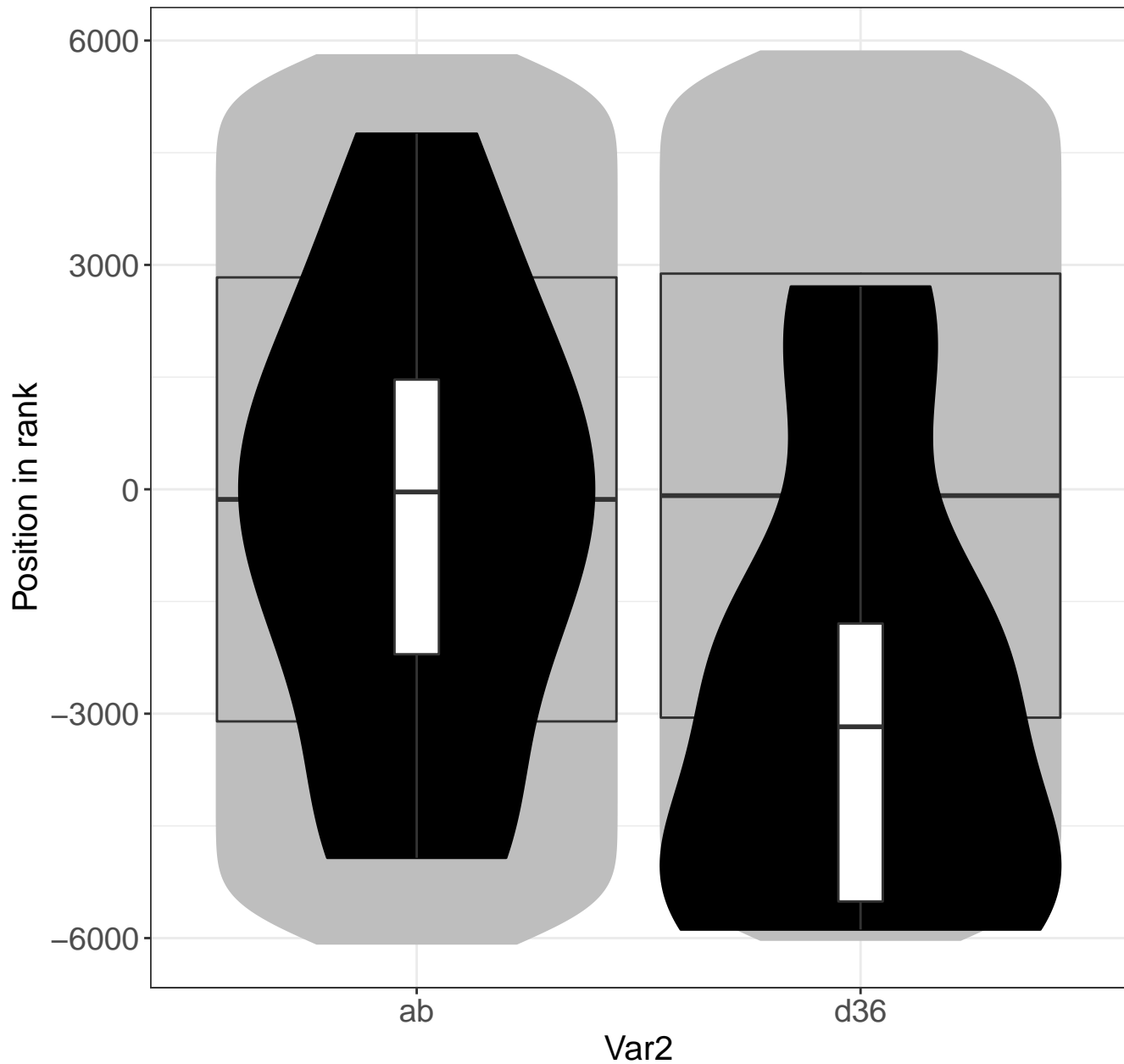
# Metabolism-of-nitric-oxide:-eNOS-activation-and-regula



# Metabolism-of-nitric-oxide:-eNOS-activation-and-regulation

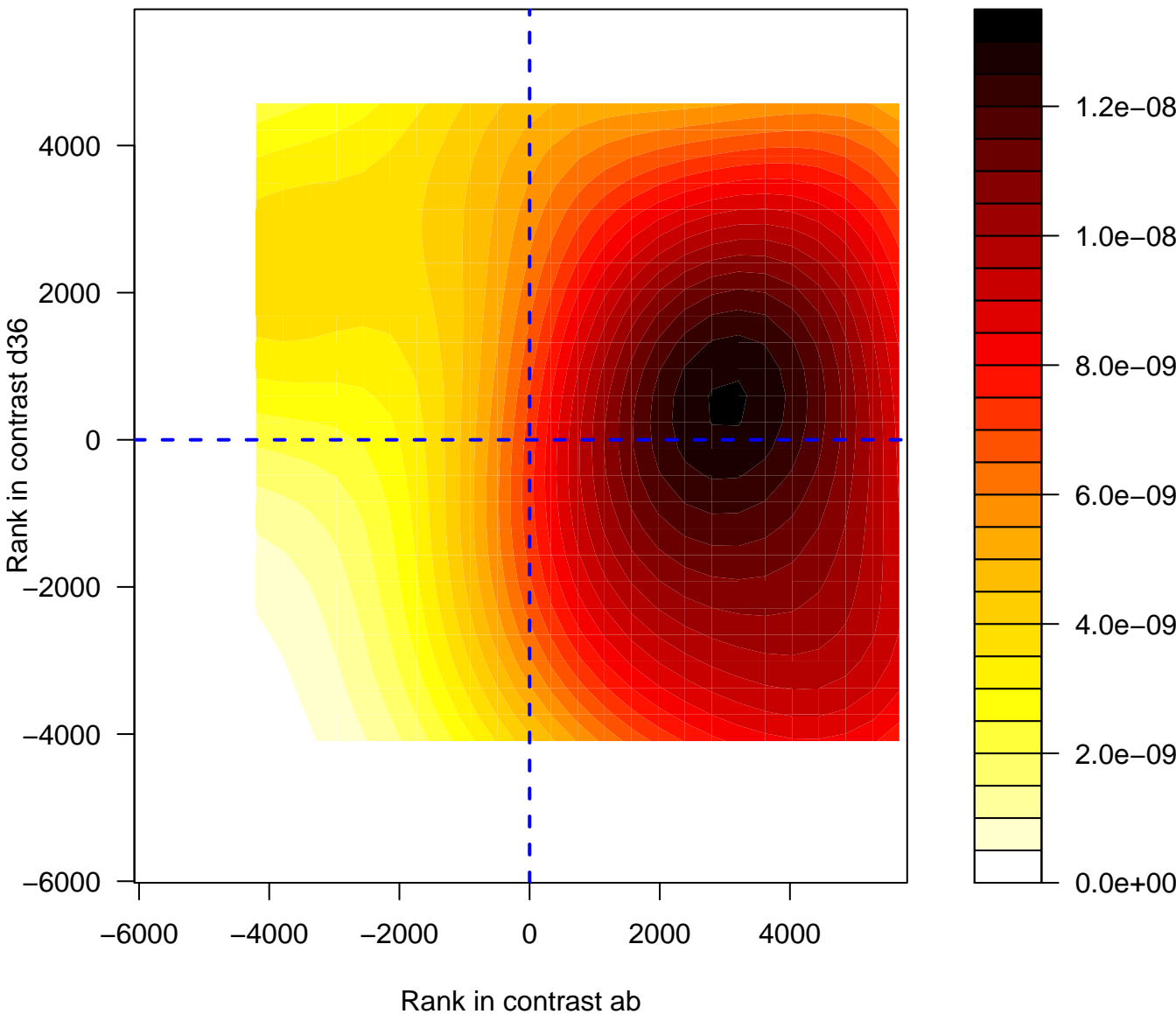


# Metabolism-of-nitric-oxide:-eNOS-activation-an

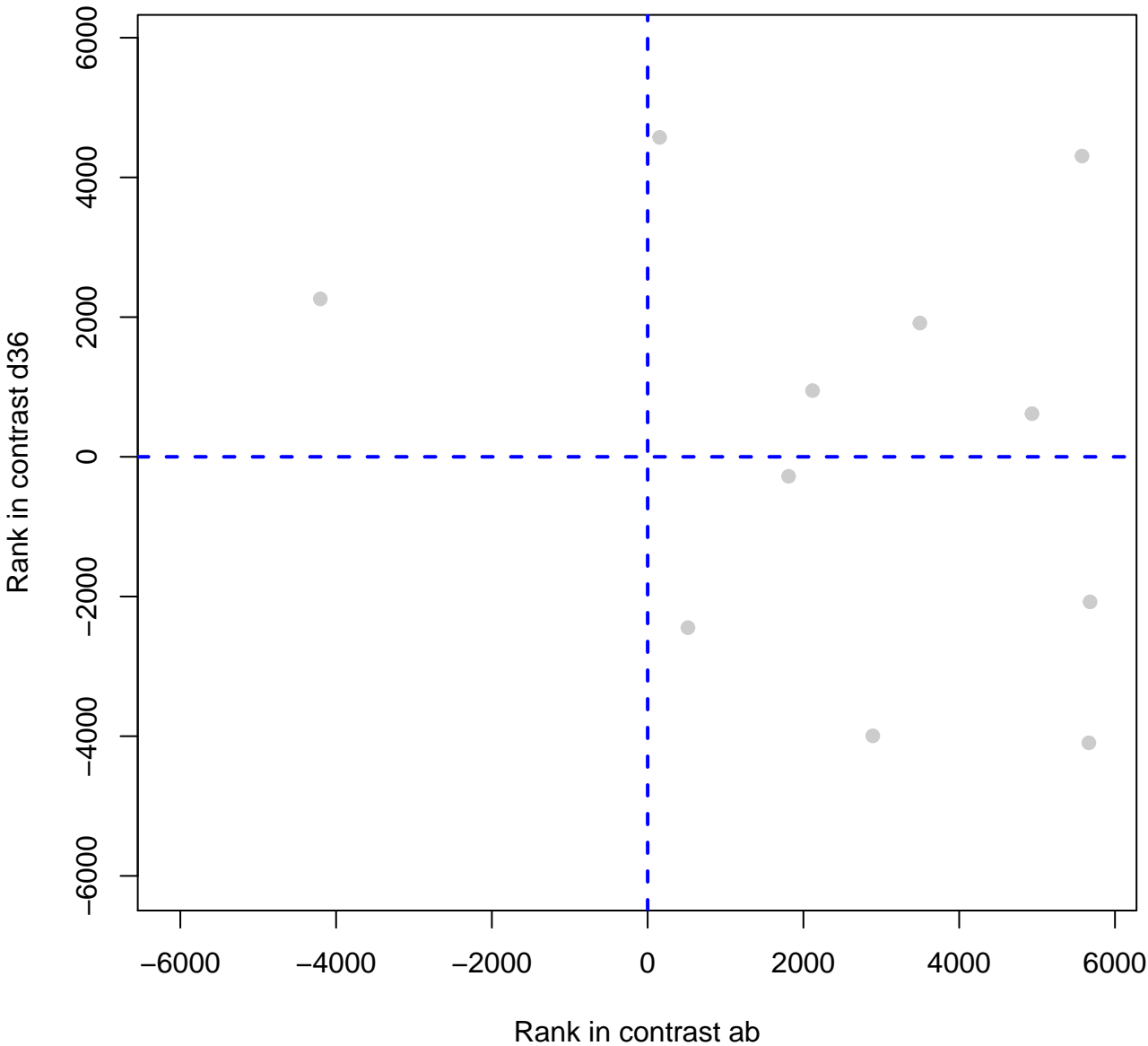




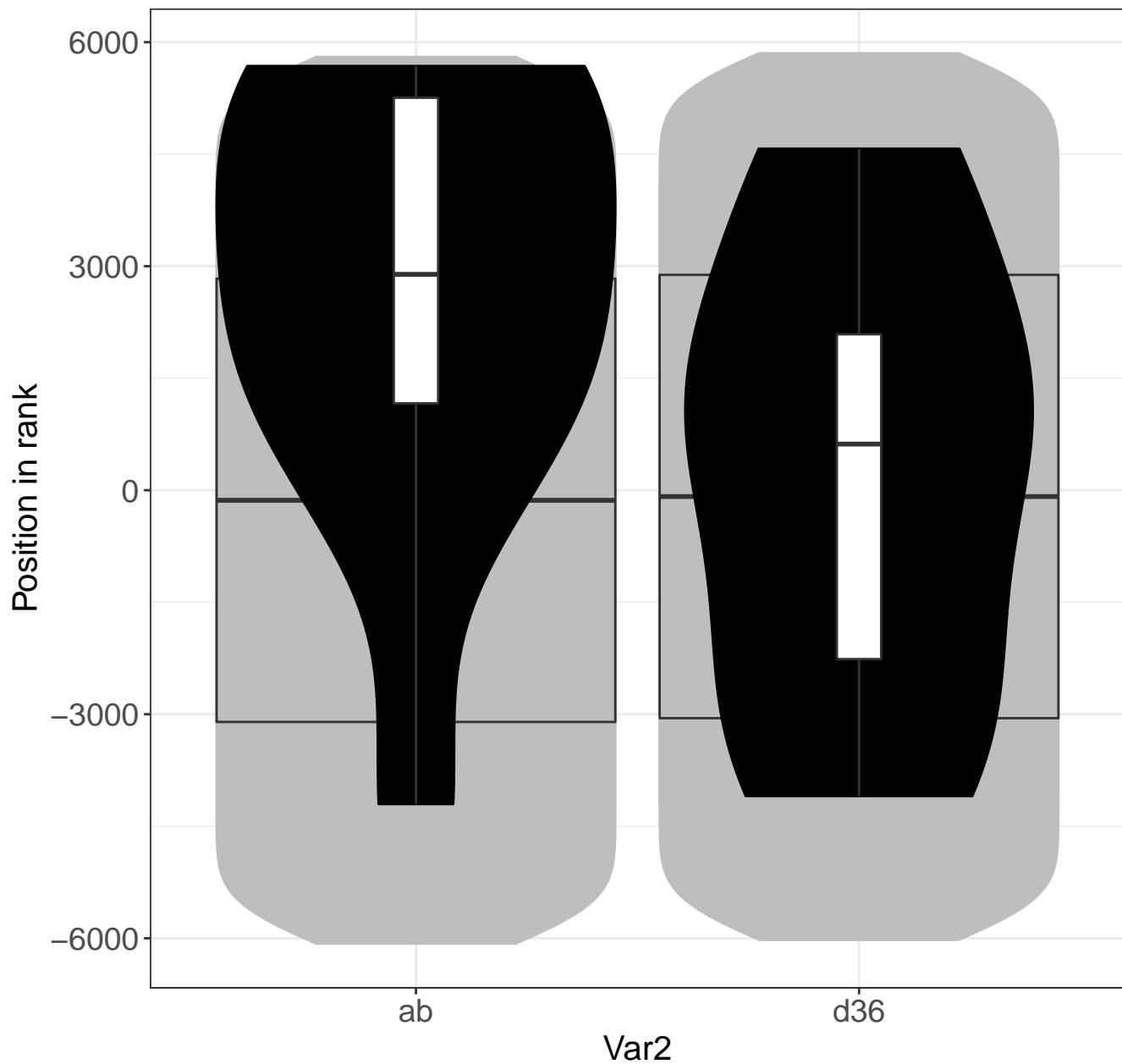
# MECP2-regulates-neuronal-receptors-and-channels



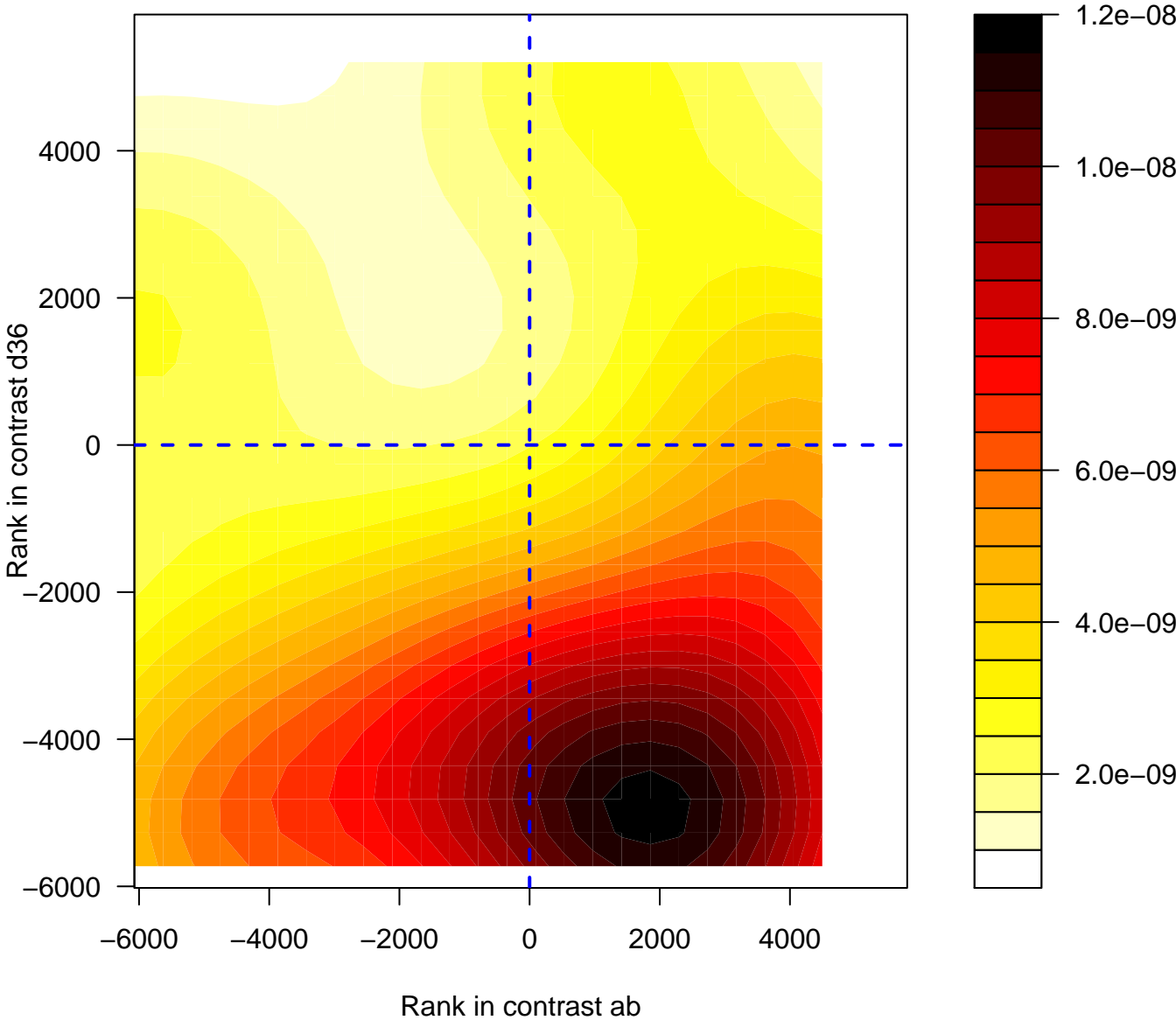
# MECP2-regulates-neuronal-receptors-and-channels



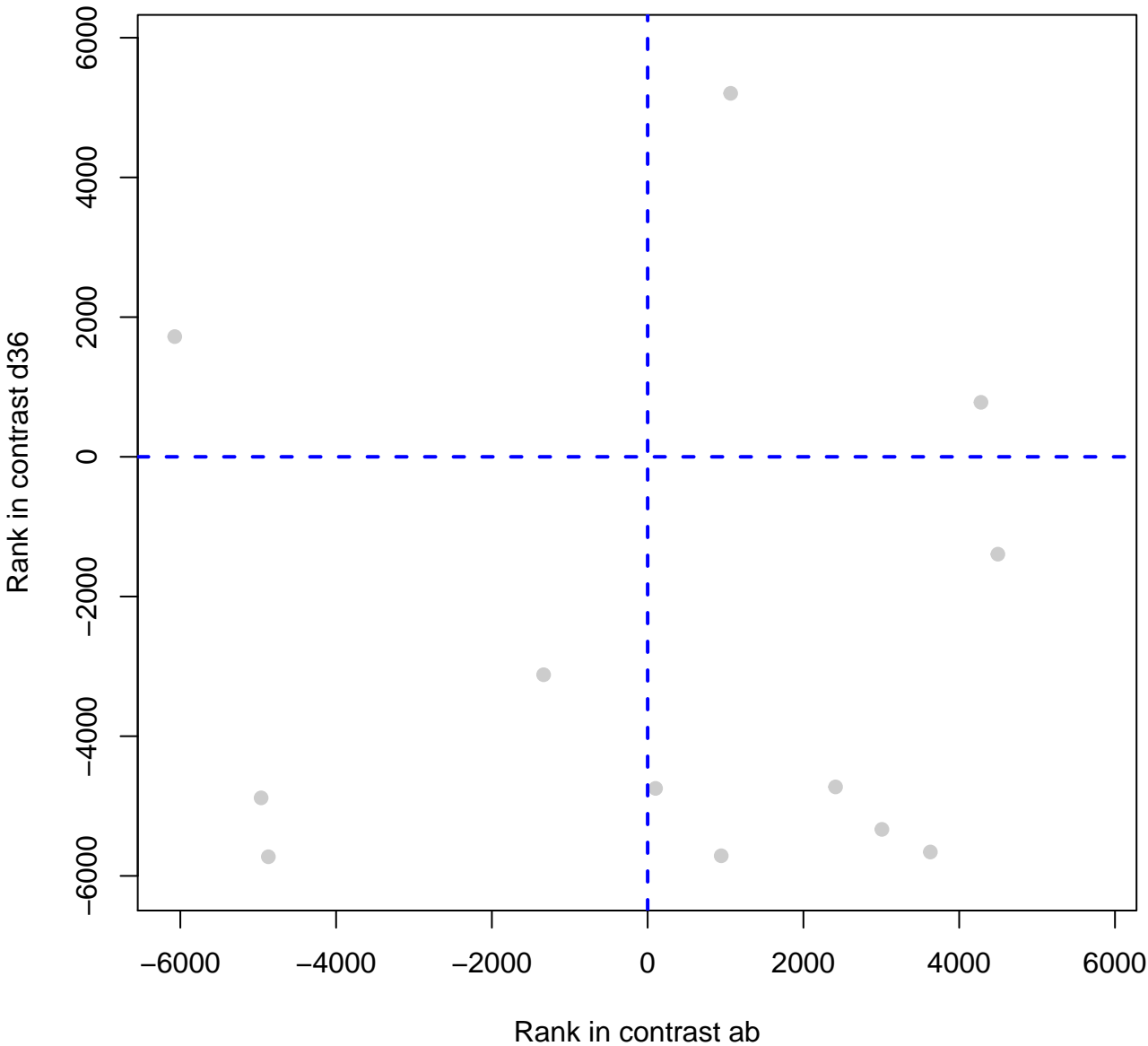
# MECP2-regulates-neuronal-receptors-and-cha



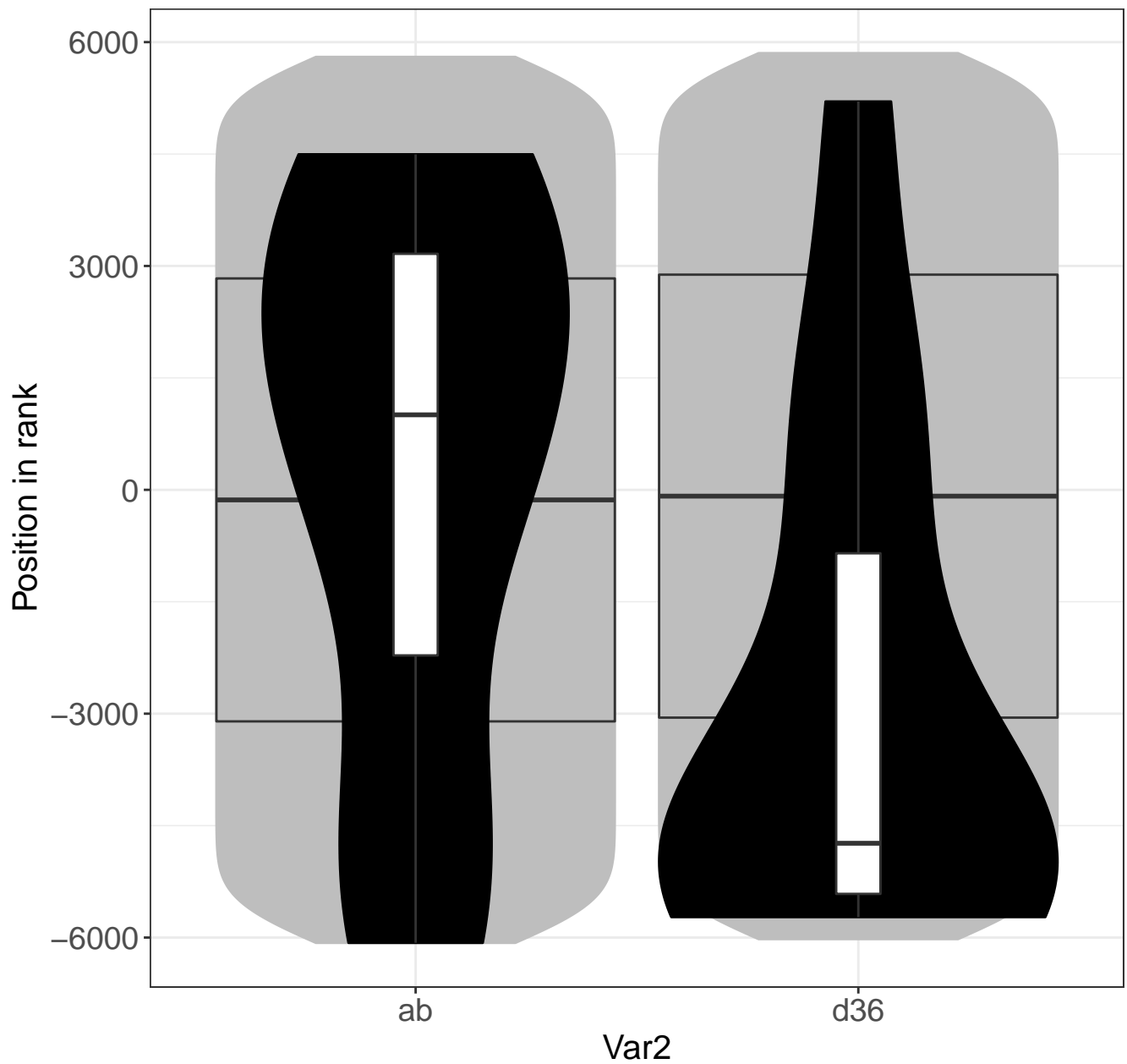
# Caspase-mediated-cleavage-of-cytoskeletal-proteins



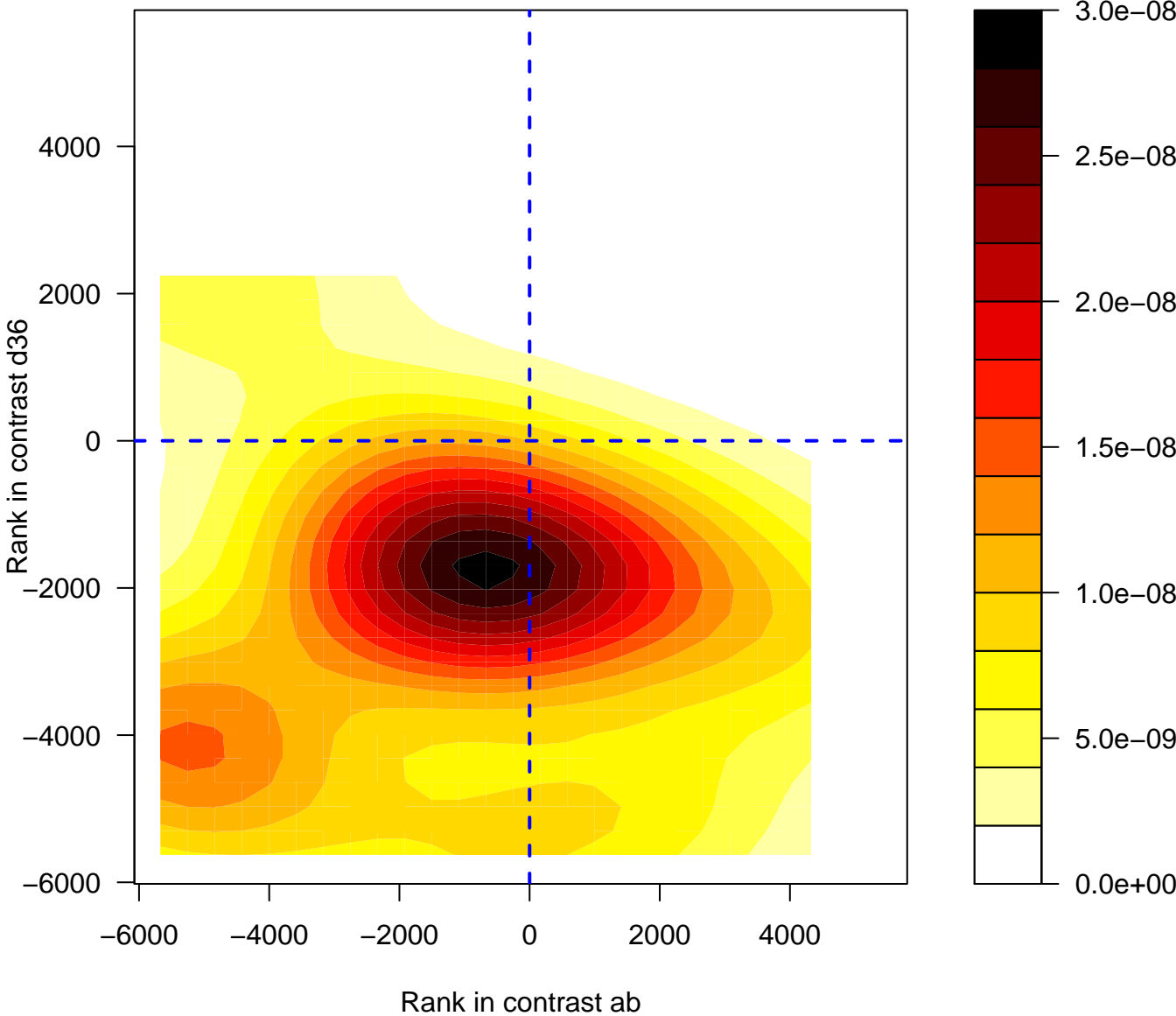
# Caspase-mediated-cleavage-of-cytoskeletal-proteins



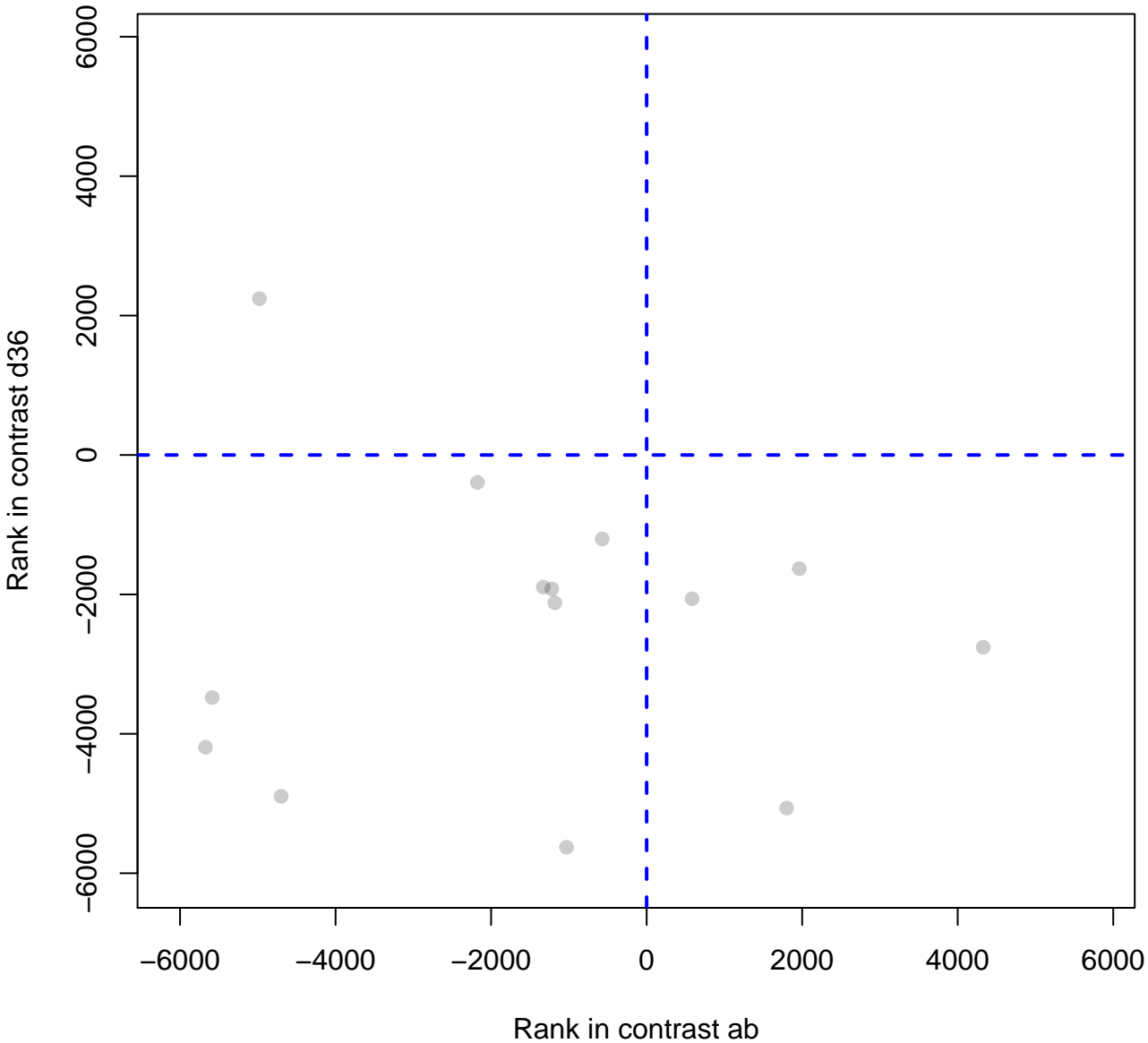
# Caspase-mediated-cleavage-of-cytoskeletal-pr



# Scavenging-by-Class-A-Receptors

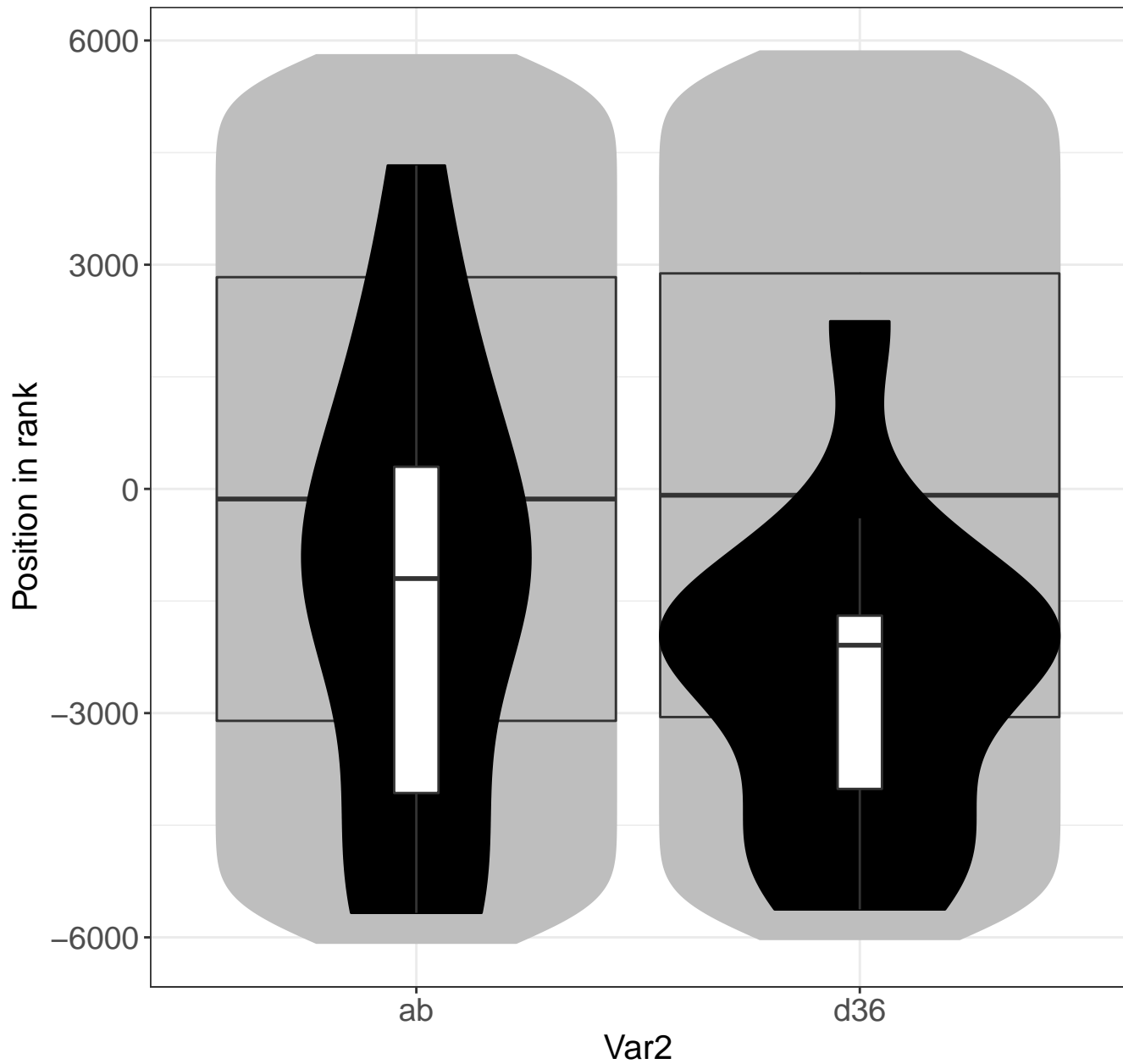


# Scavenging-by-Class-A-Receptors

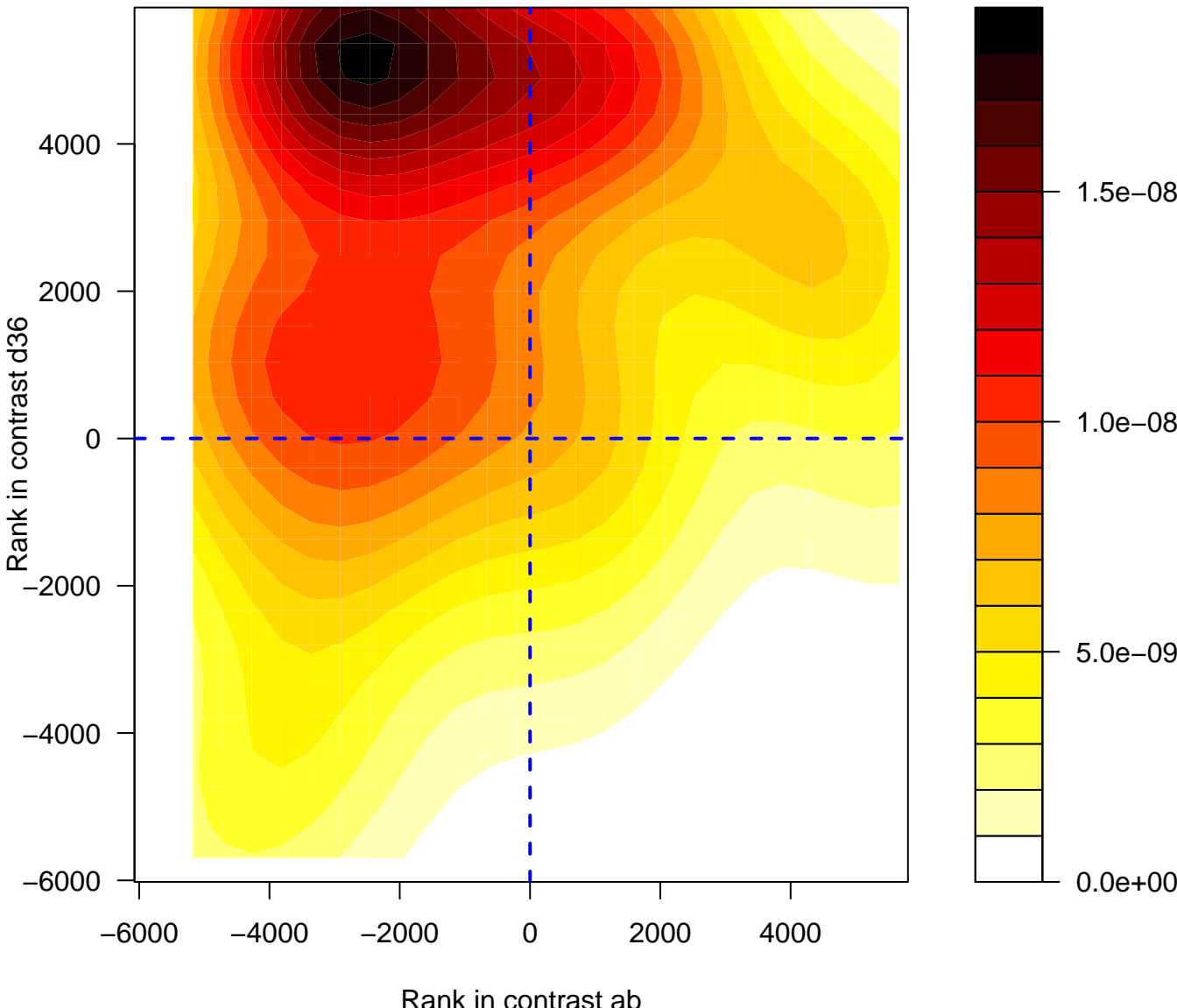




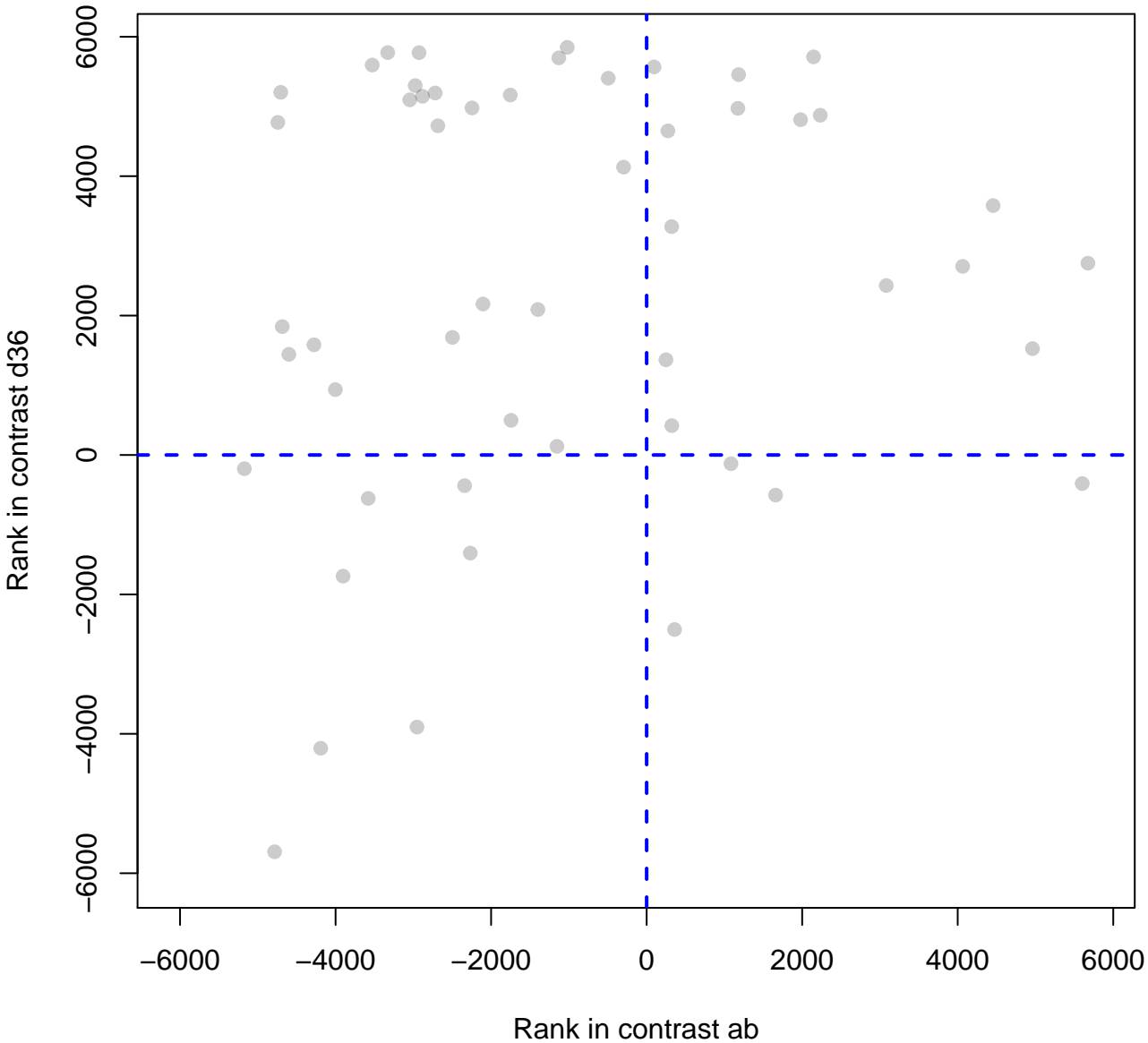
# Scavenging-by-Class-A-Receptors



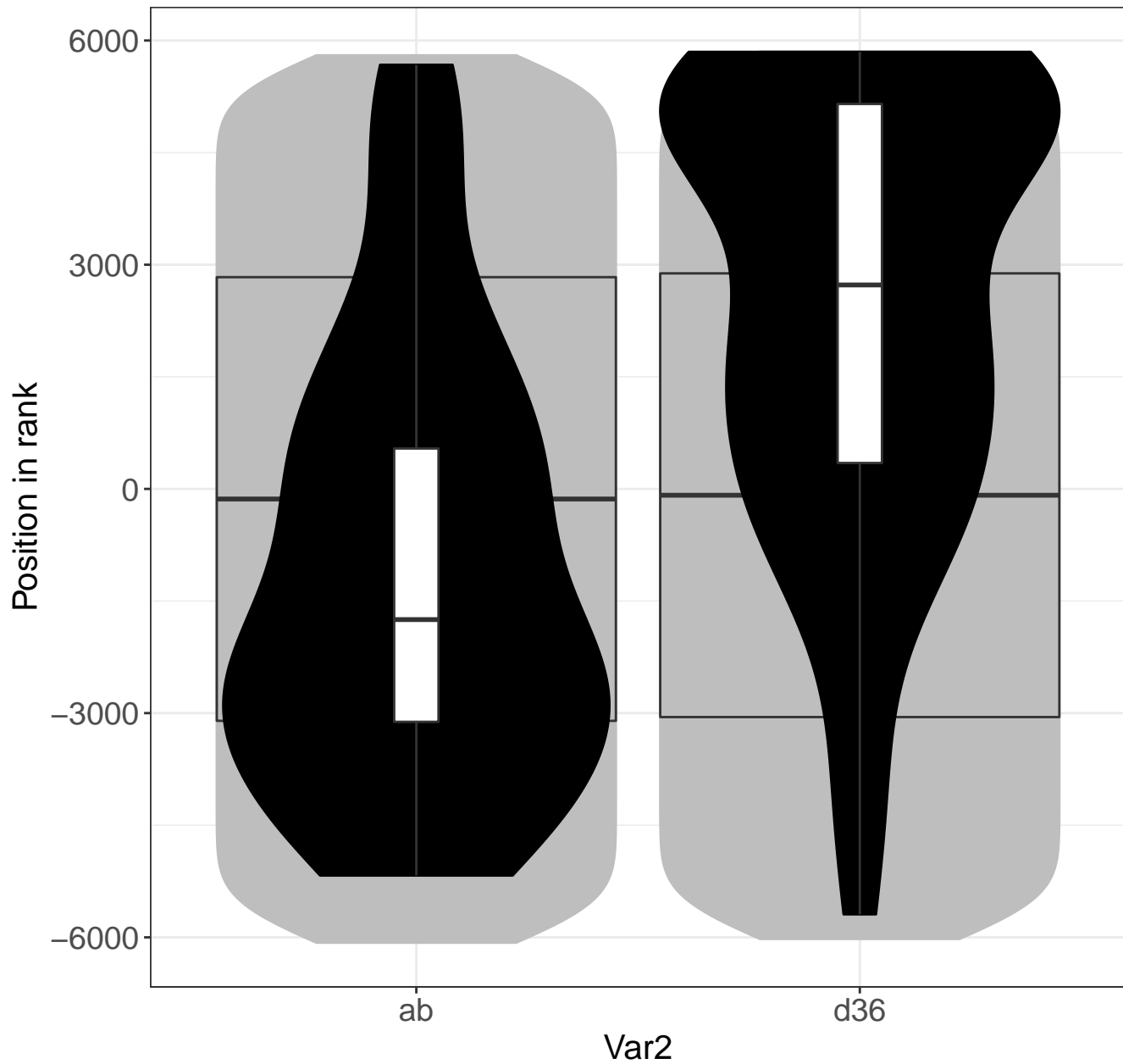
# Peroxisomal-protein-import



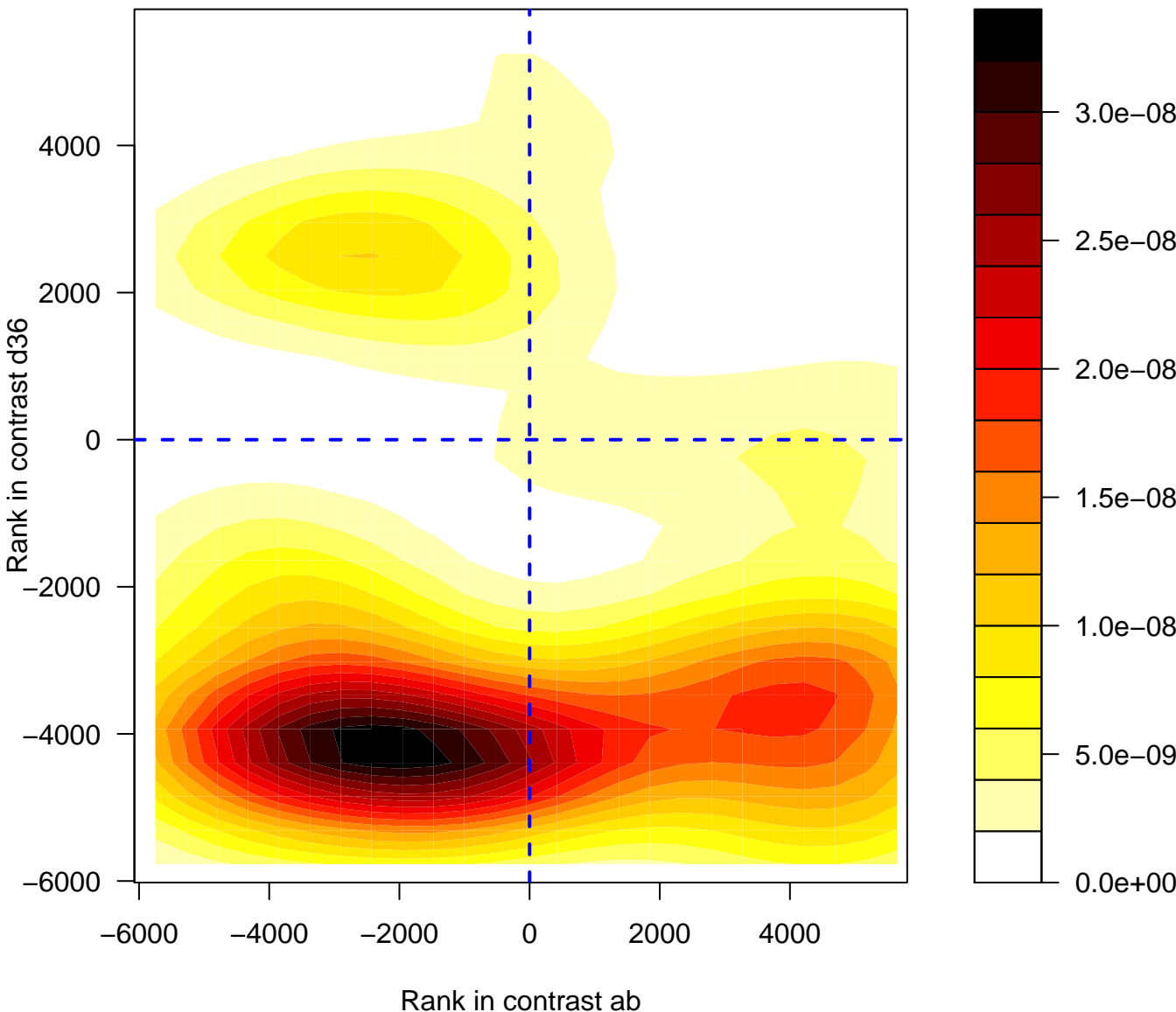
# Peroxisomal-protein-import



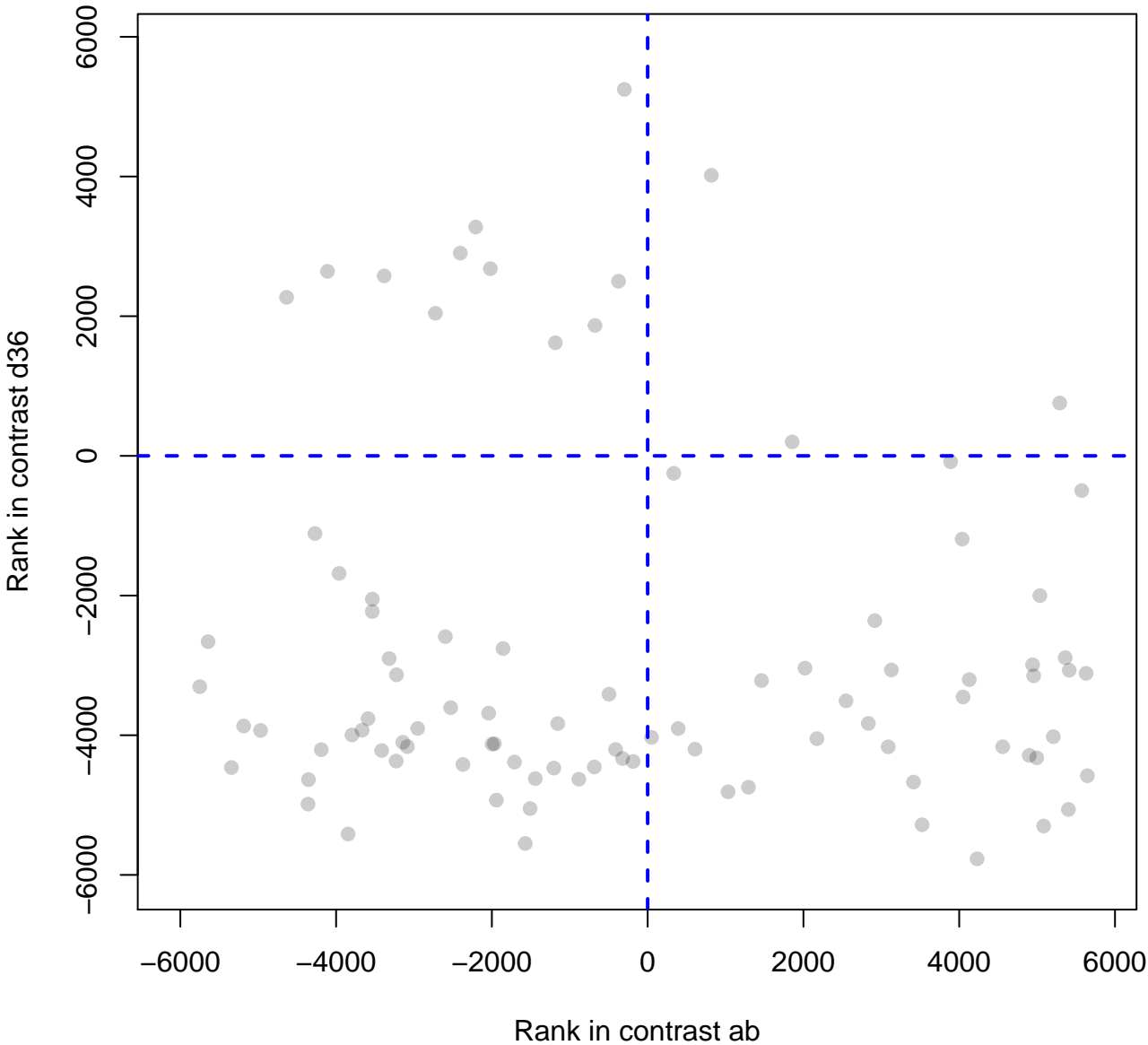
# Peroxisomal-protein-import



# Mediated-Decay-(NMD)-enhanced-by-the-Exon-Junction



# sense-Mediated-Decay-(NMD)-enhanced-by-the-Exon-Junction-Comple



# Nonsense-Mediated-Decay-(NMD)-enhanced-k

