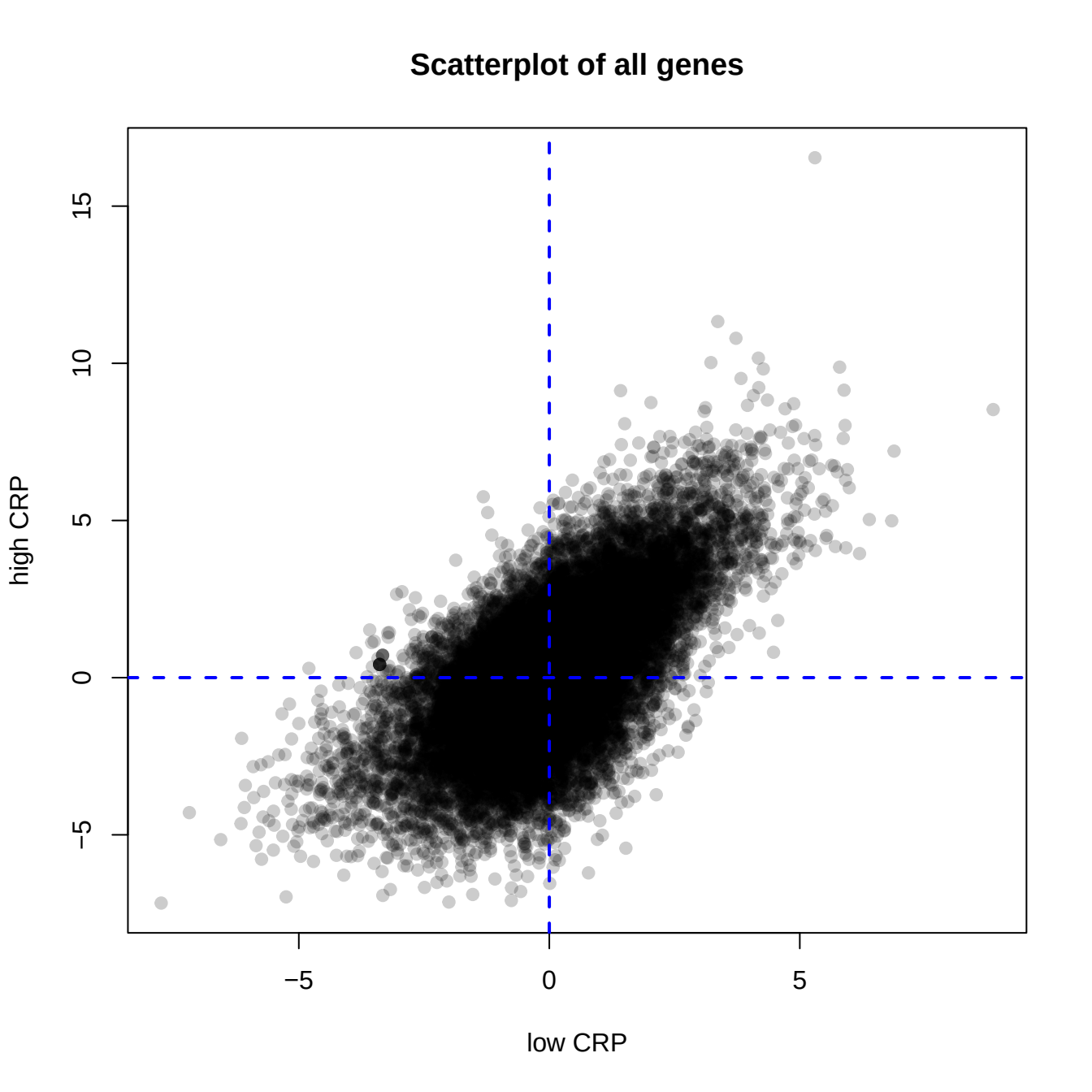
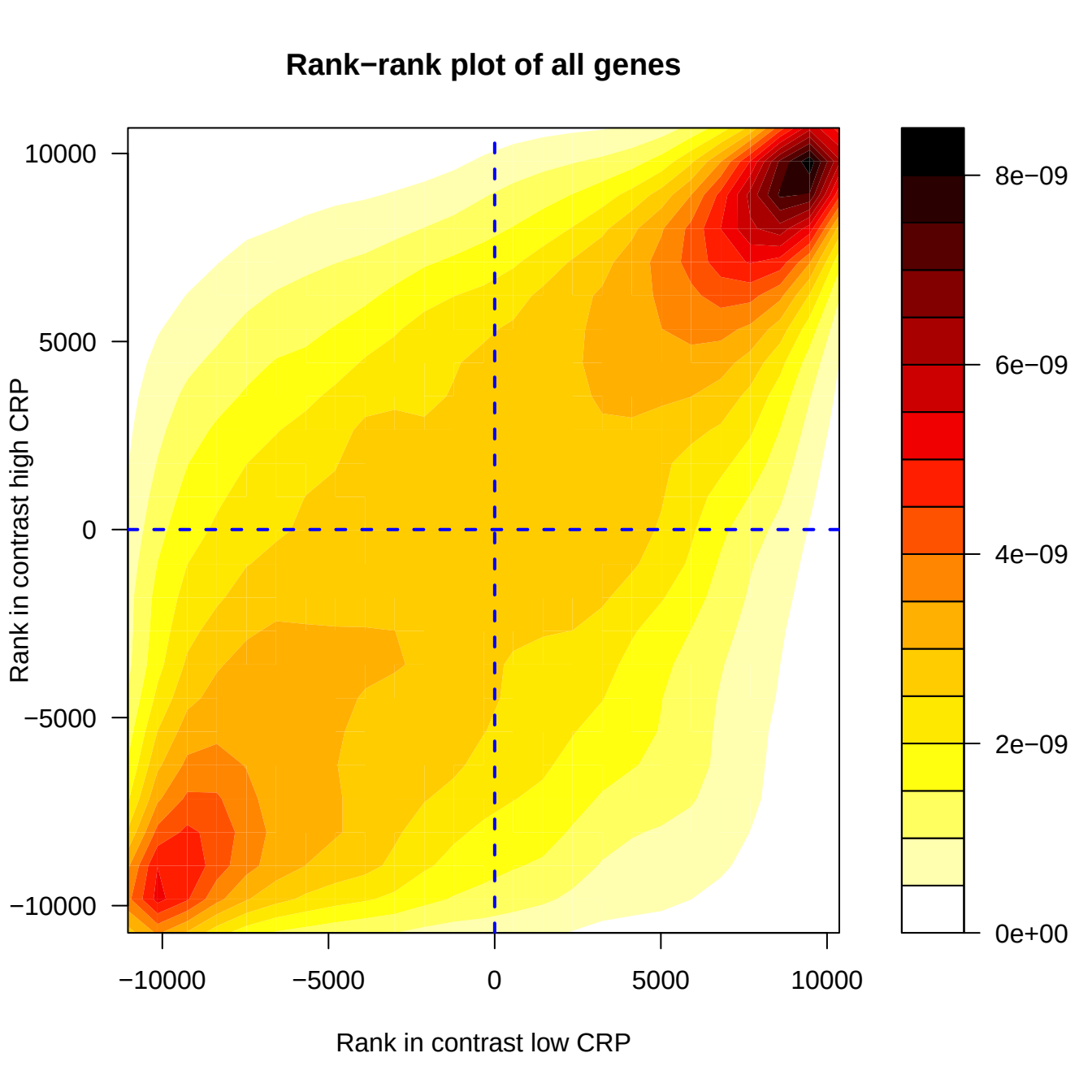
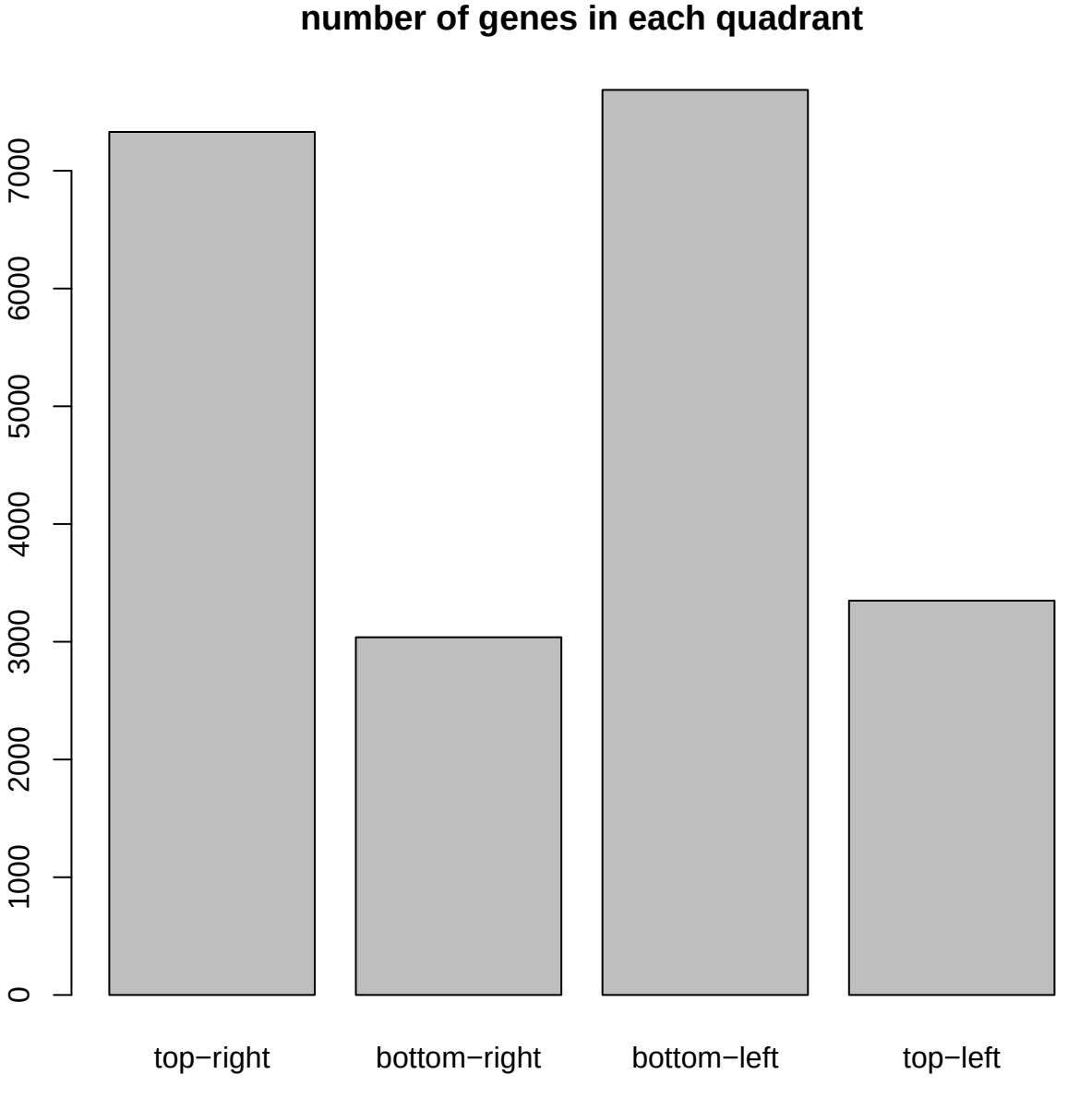
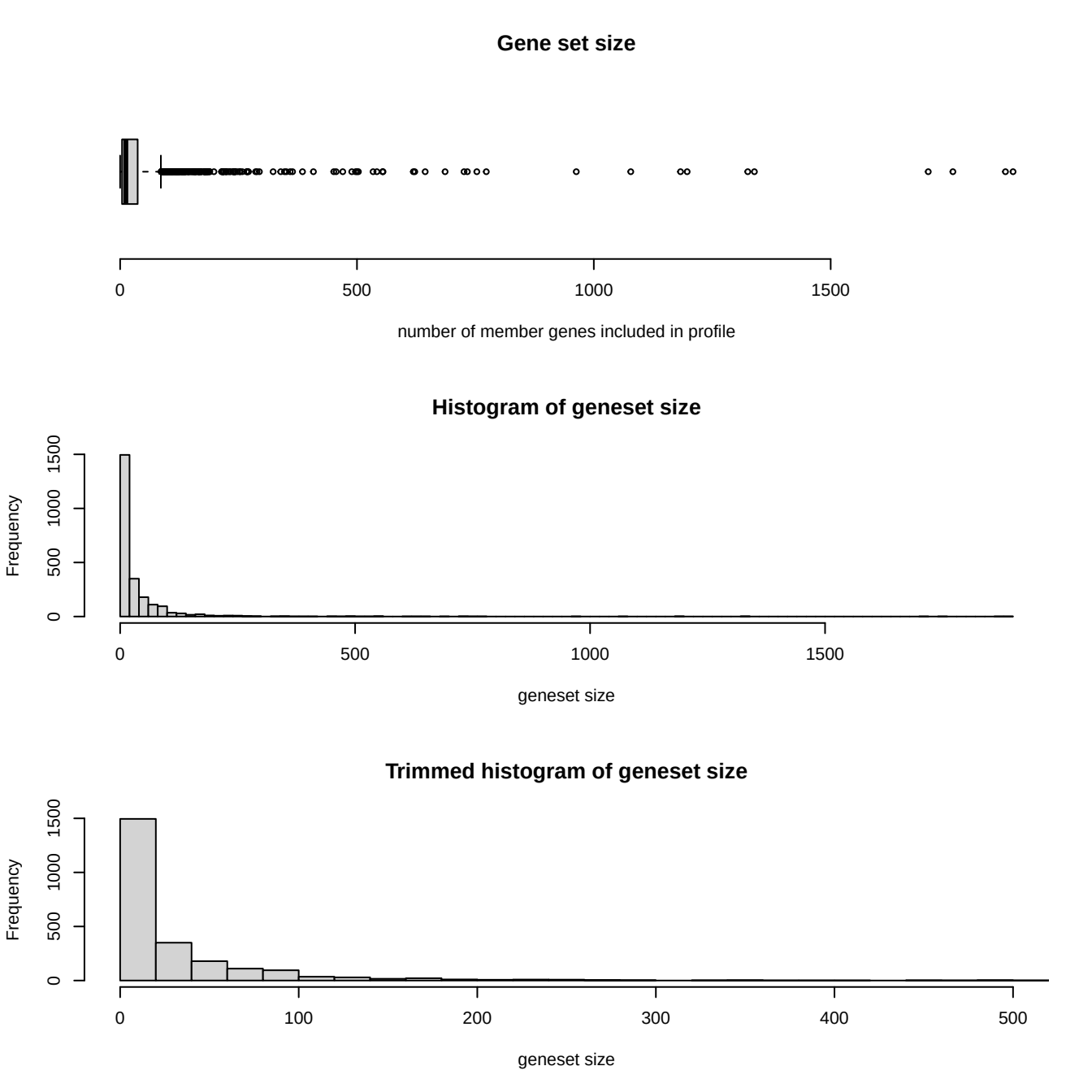
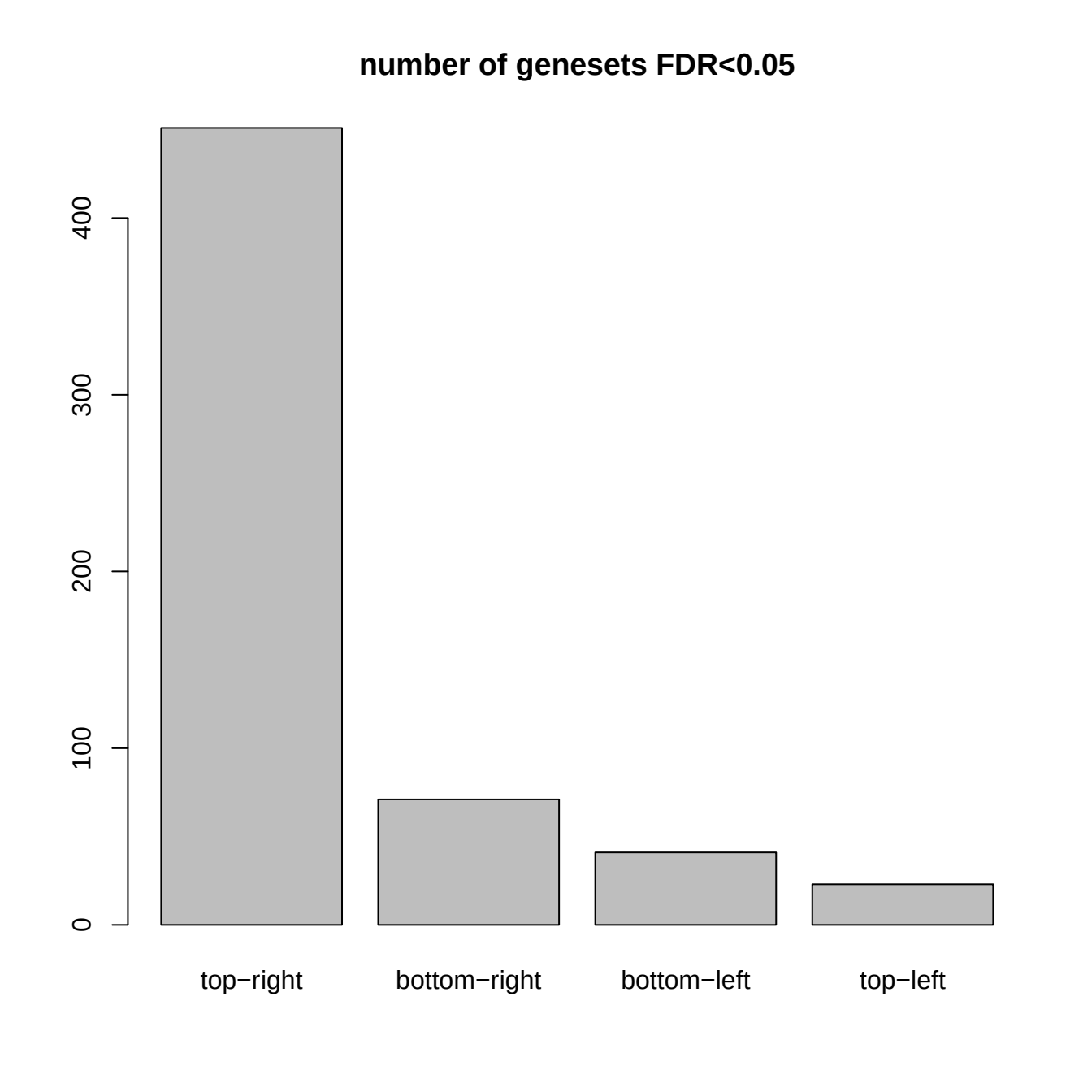
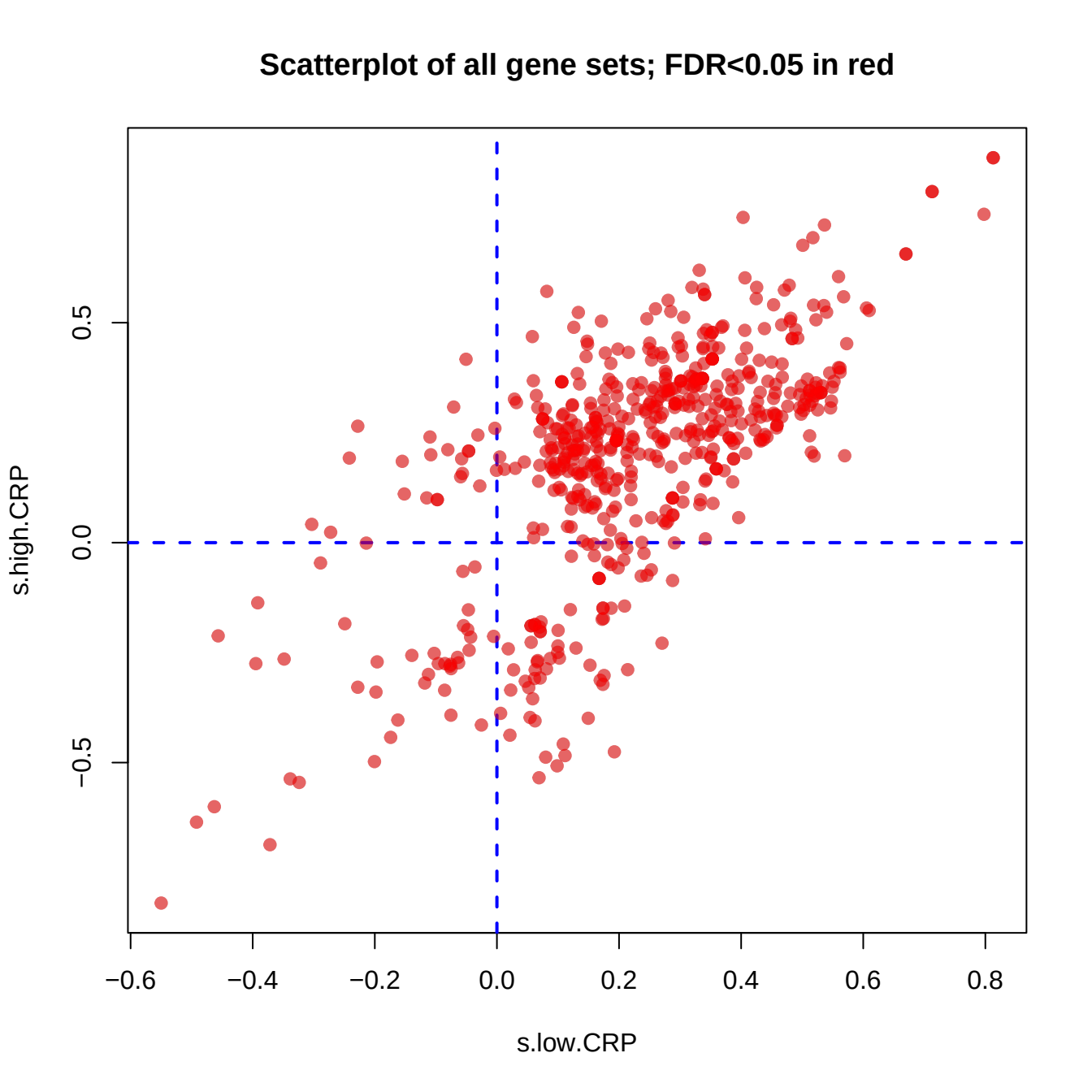

Scatterplot of all genes
high CRP
low CRP
15
10
5
0
−5
−5
0
5

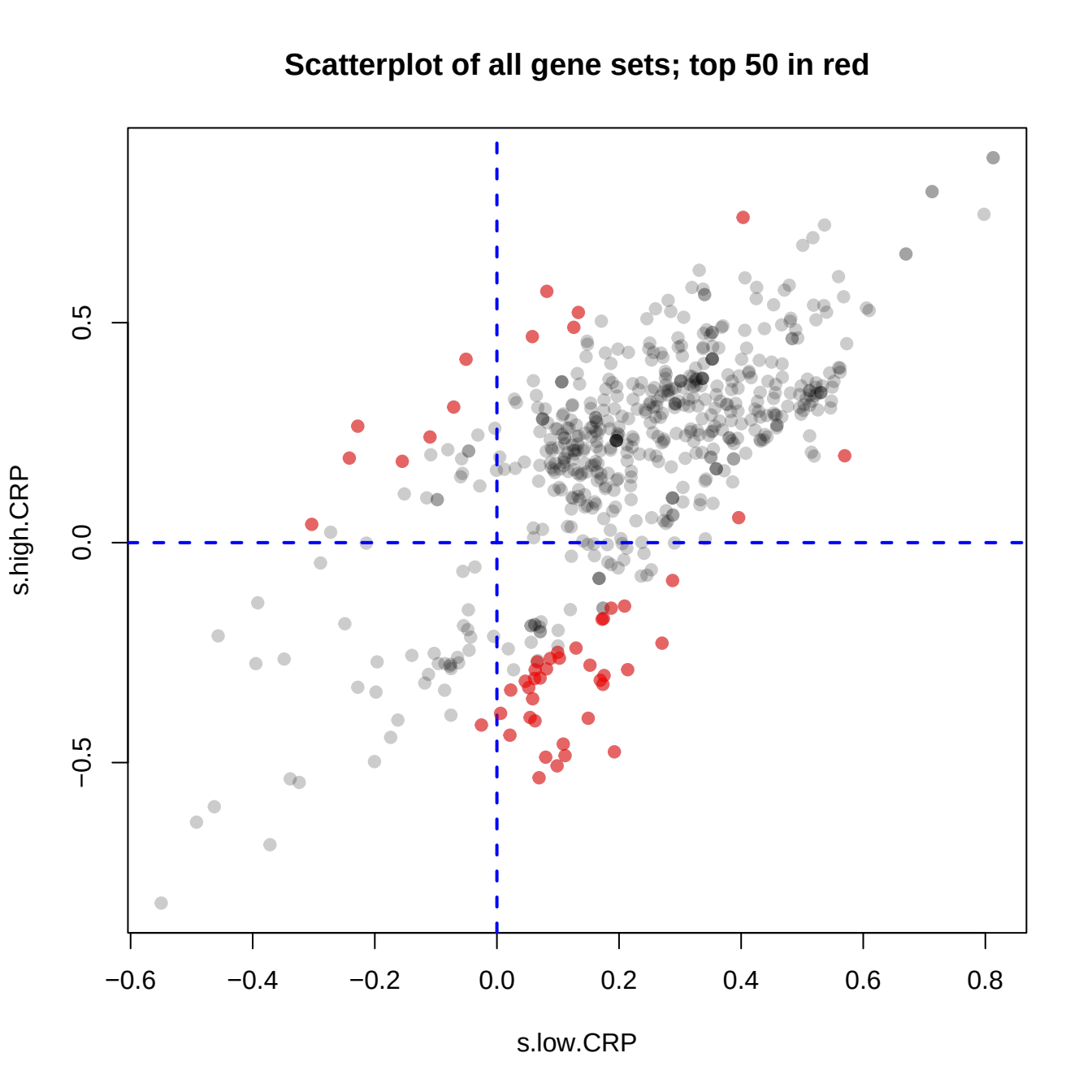

Rank−rank plot of all genes
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
8e−09
6e−09
4e−09
2e−09
0e+00

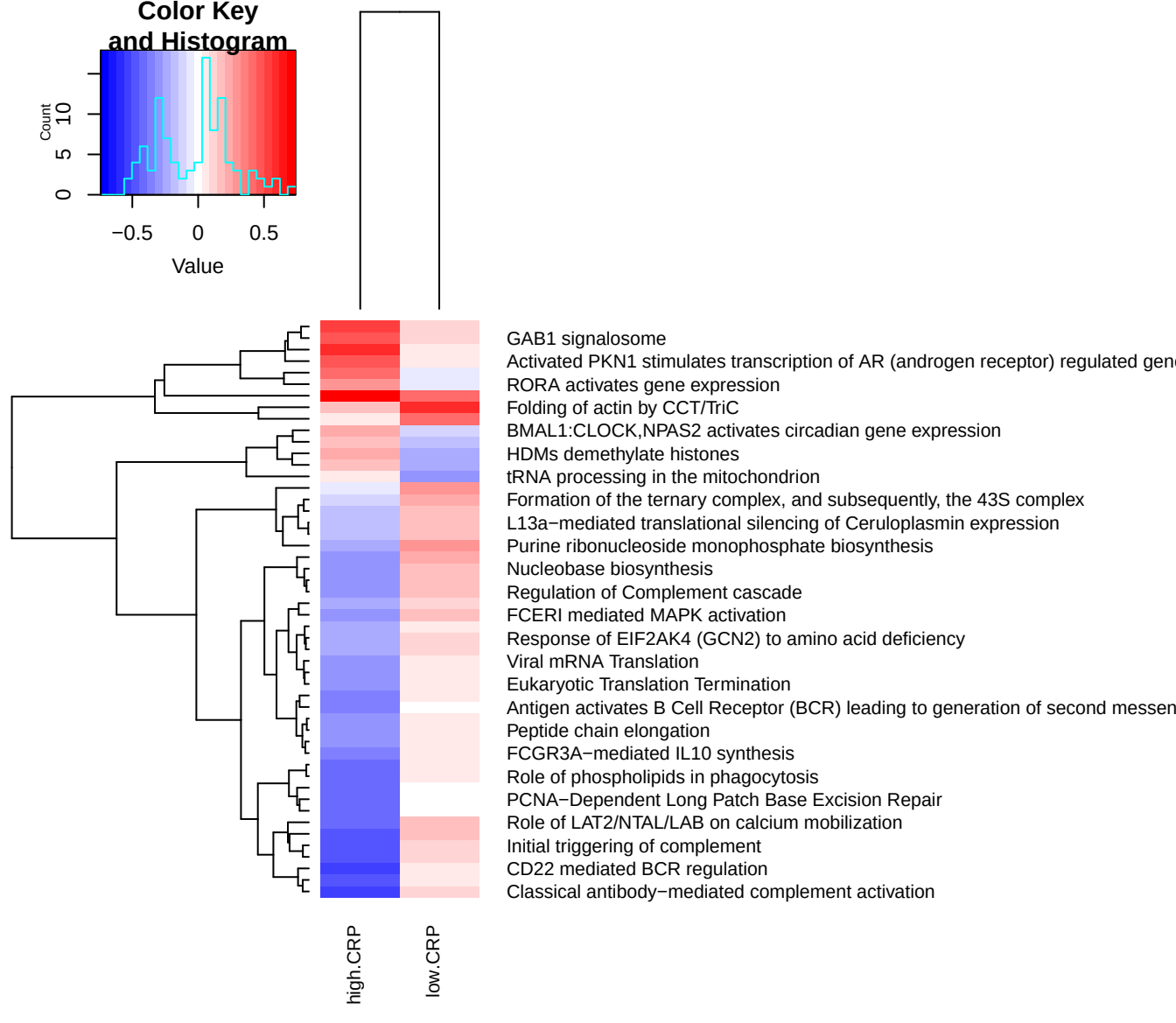

number of genes in each quadrant
0
1000
2000
3000
4000
5000
6000
7000
top−right
bottom−right
bottom−left
top−left

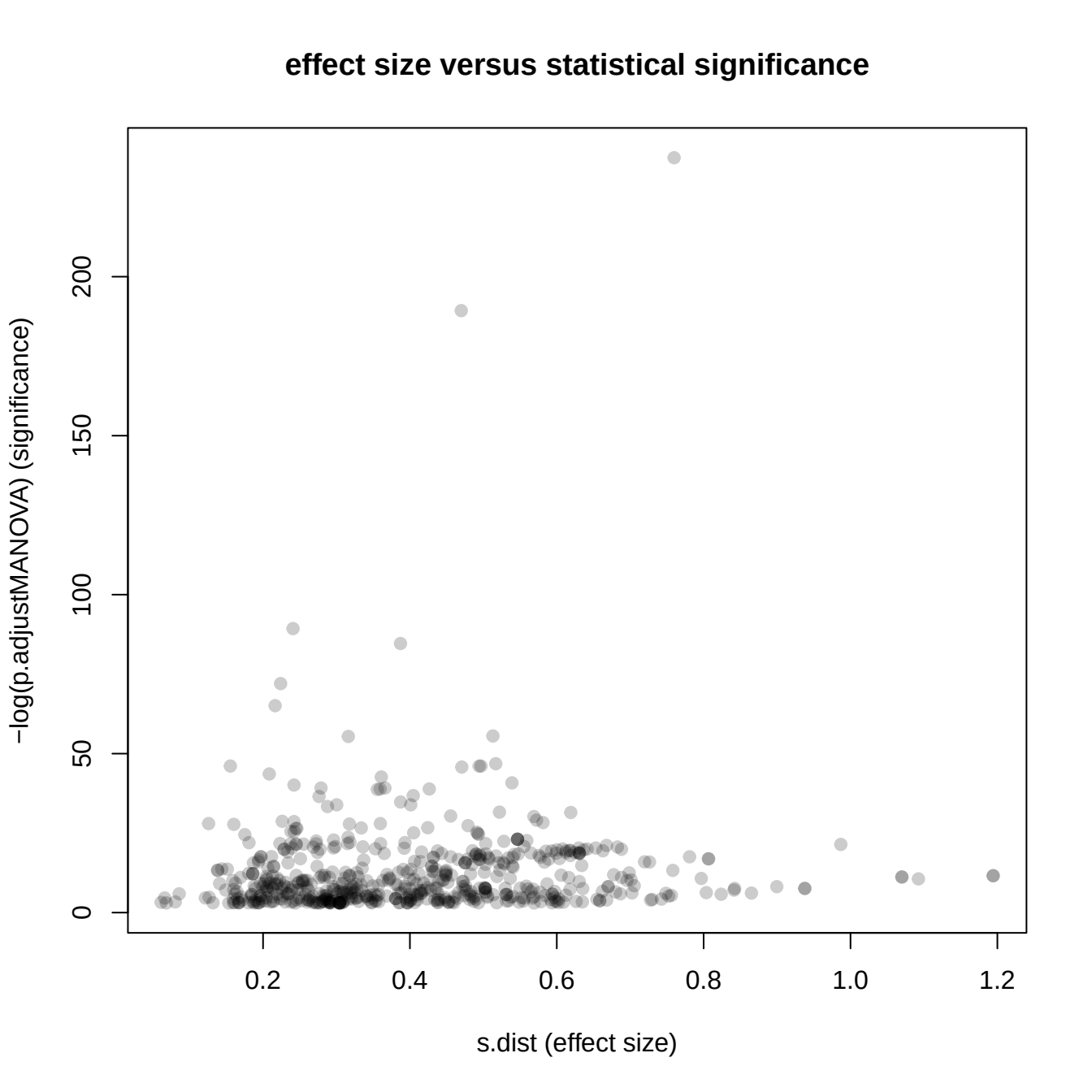

Gene set size
0
500
1000
1500
number of member genes included in profile
Histogram of geneset size
Frequency
0
500
1000
1500
geneset size
Trimmed histogram of geneset size
Frequency
0
500
1000
1500
0
100
200
300
400
500
geneset size

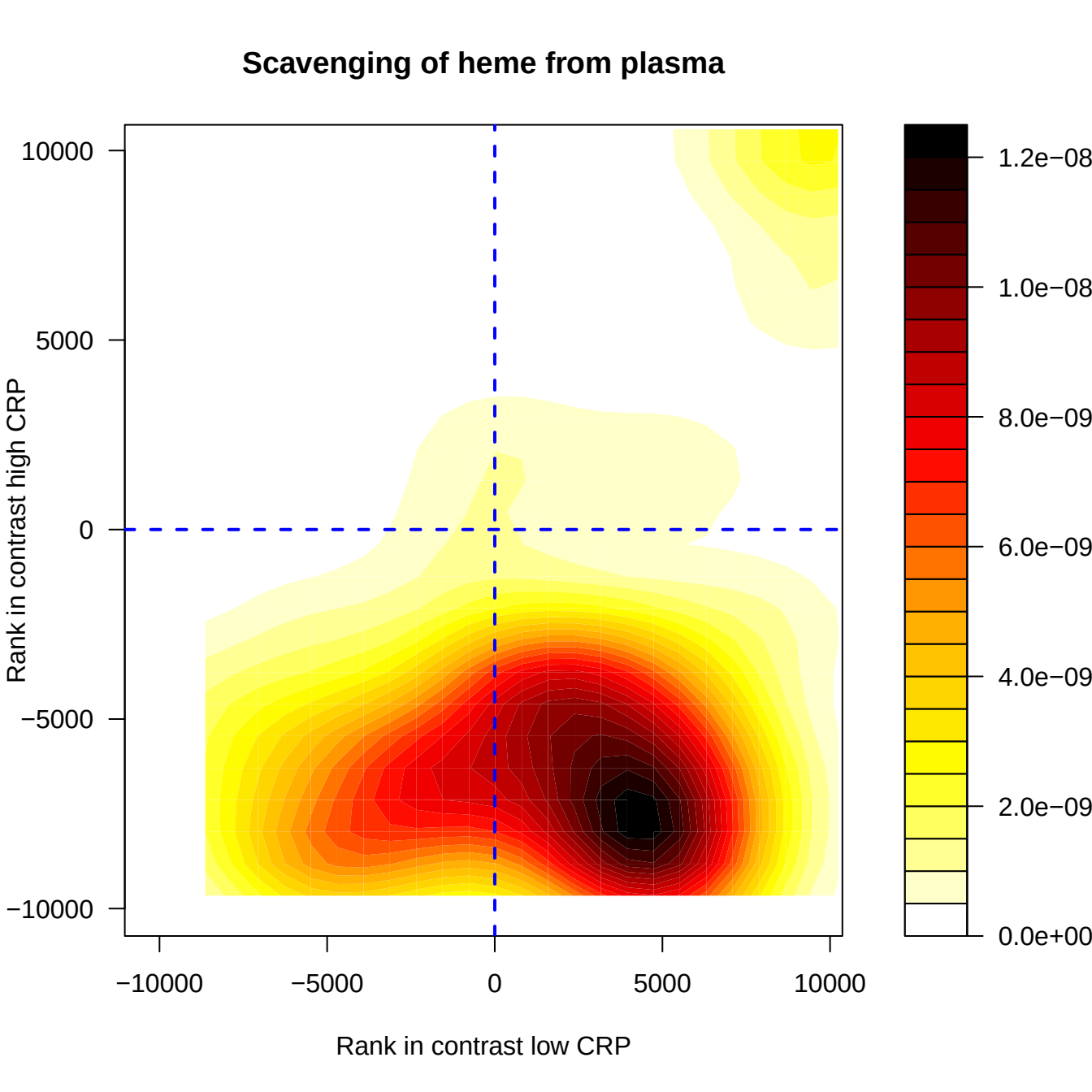

number of genesets FDR<0.05
0
100
200
300
400
top−right
bottom−right
bottom−left
top−left

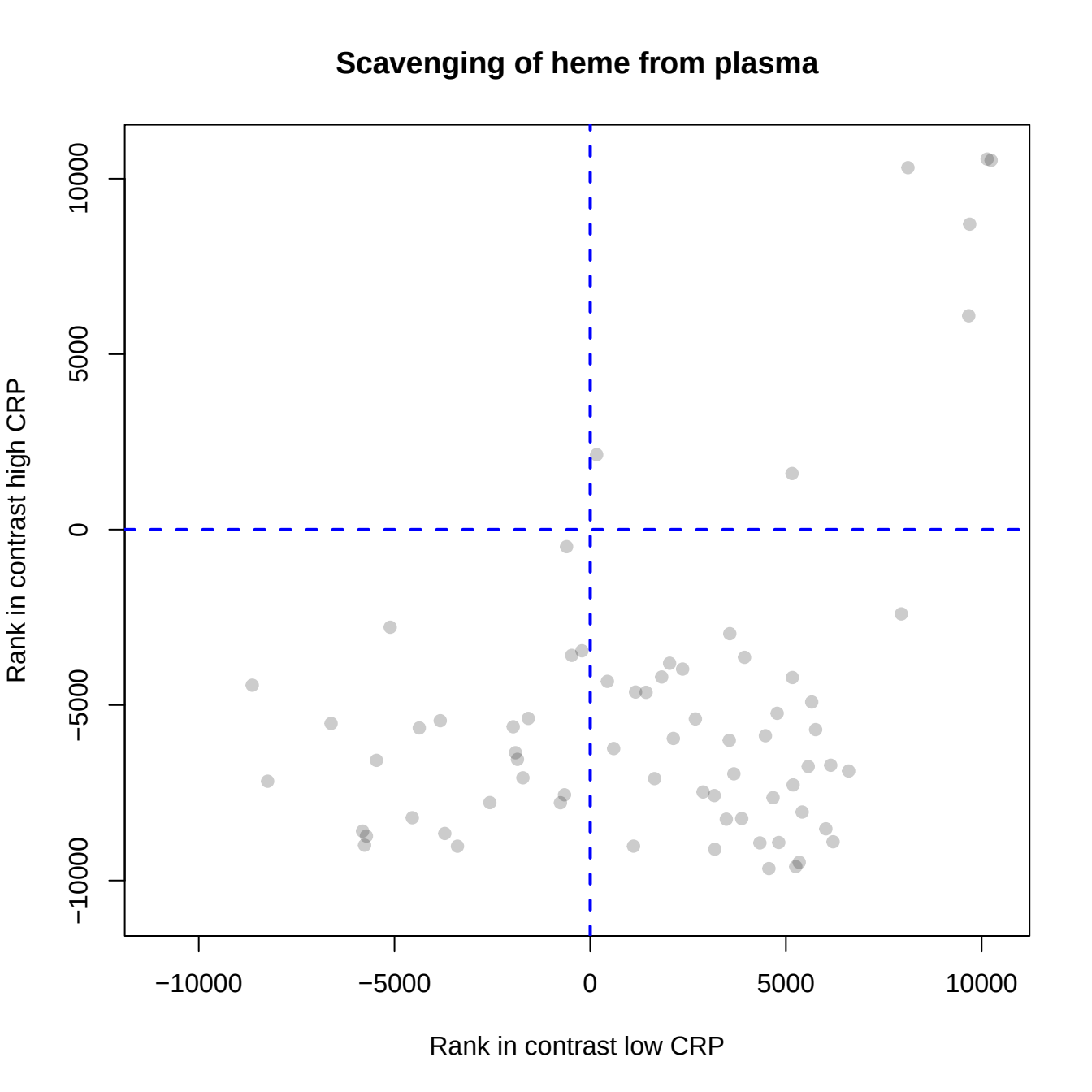

Scatterplot of all gene sets; FDR<0.05 in red
s.high.CRP
s.low.CRP
0.5
0.0
−0.5
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
0.8

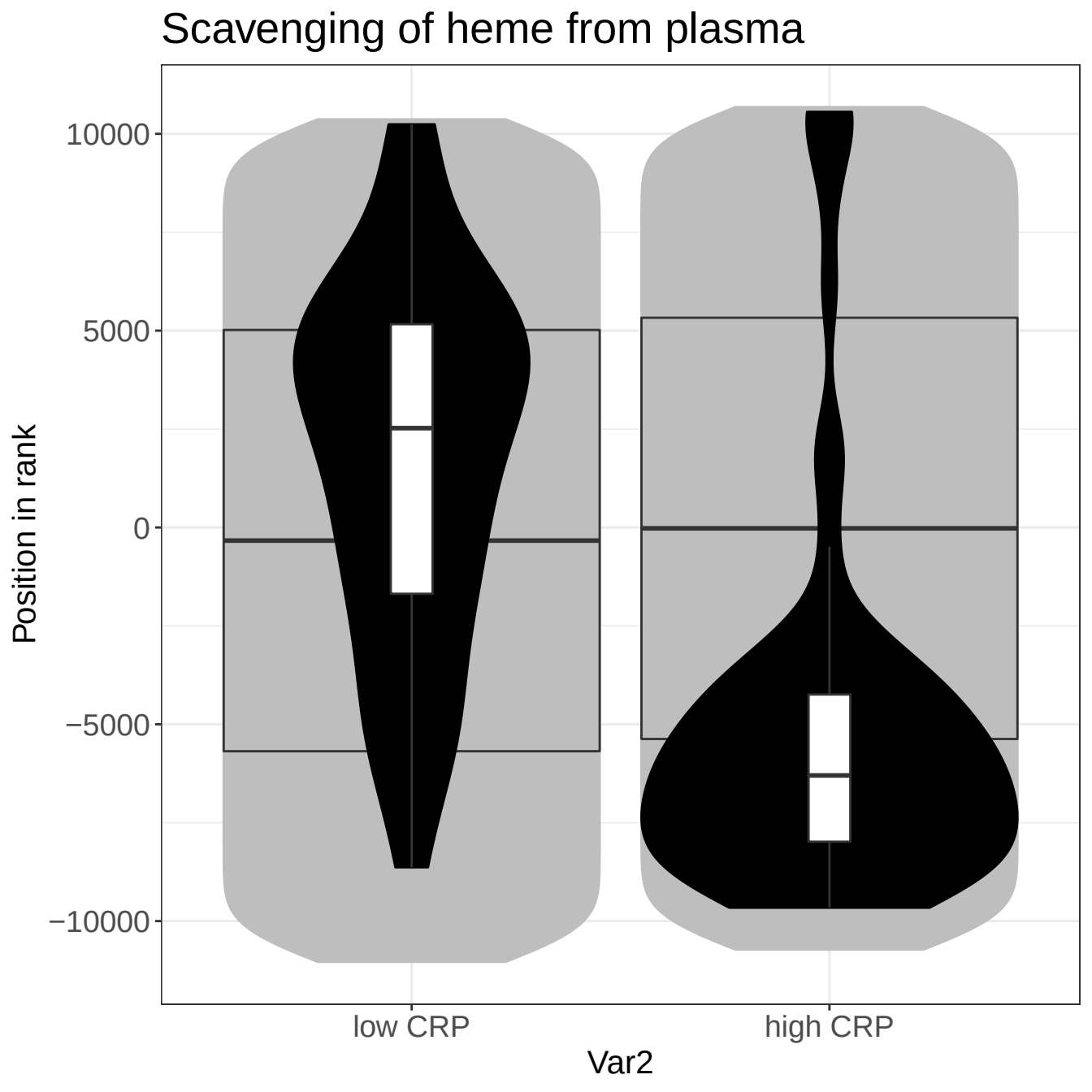

Scatterplot of all gene sets; top 50 in red
s.high.CRP
s.low.CRP
0.5
0.0
−0.5
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
0.8

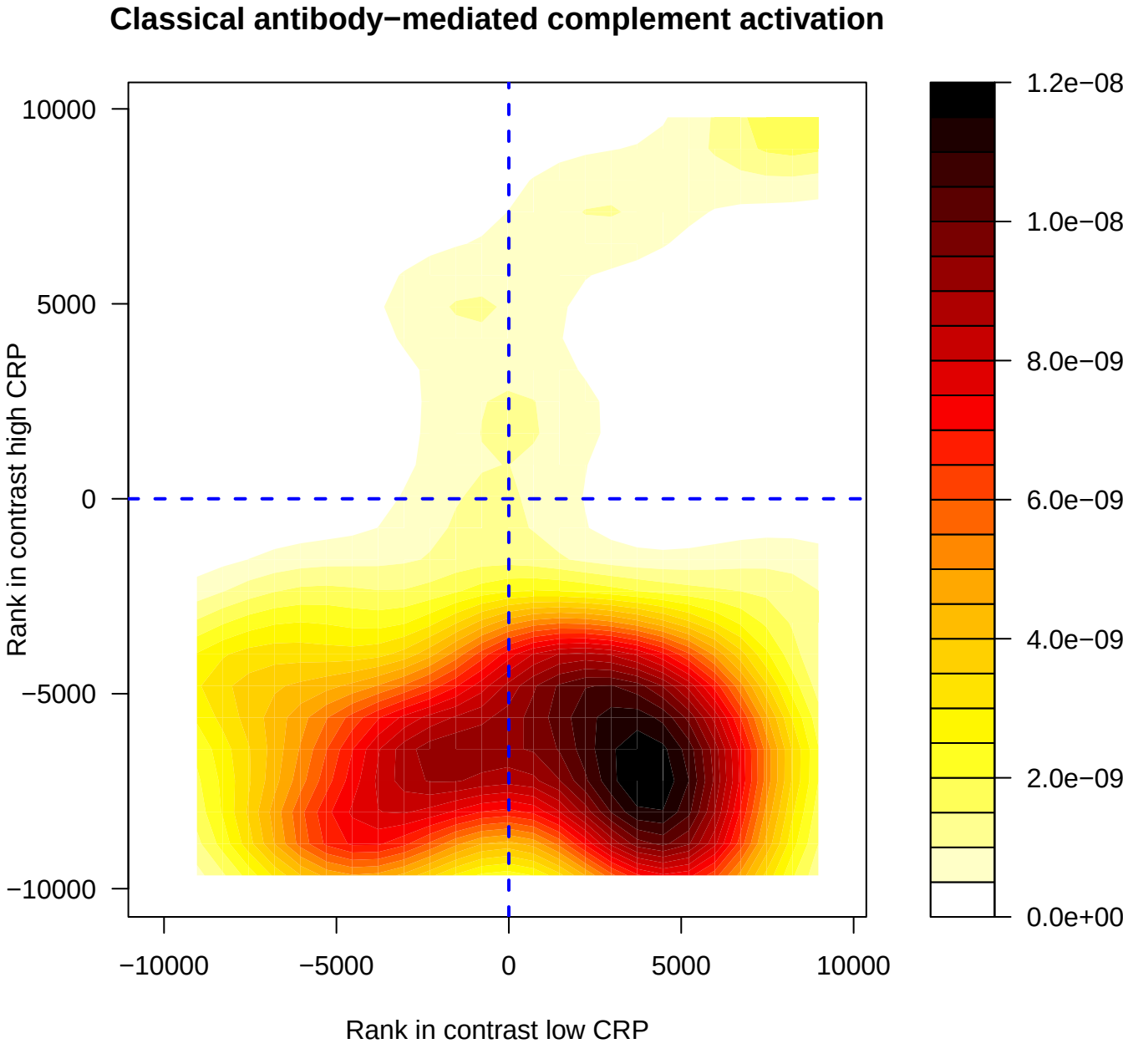

Color Key and Histogram
Count
0
5
10
−0.5
0
0.5
Value
GAB1 signalosome
Activated PKN1 stimulates transcription of AR (androgen receptor) regulated gen
RORA activates gene expression
Folding of actin by CCT/TriC
BMAL1:CLOCK,NPAS2 activates circadian gene expression
HDMs demethylate histones
tRNA processing in the mitochondrion
Formation of the ternary complex, and subsequently, the 43S complex
L13a−mediated translational silencing of Ceruloplasmin expression
Purine ribonucleoside monophosphate biosynthesis
Nucleobase biosynthesis
Regulation of Complement cascade
FCERI mediated MAPK activation
Response of EIF2AK4 (GCN2) to amino acid deficiency
Viral mRNA Translation
Eukaryotic Translation Termination
Antigen activates B Cell Receptor (BCR) leading to generation of second messen
Peptide chain elongation
FCGR3A−mediated IL10 synthesis
Role of phospholipids in phagocytosis
PCNA−Dependent Long Patch Base Excision Repair
Role of LAT2/NTAL/LAB on calcium mobilization
Initial triggering of complement
CD22 mediated BCR regulation
Classical antibody−mediated complement activation
high.CRP
low.CRP

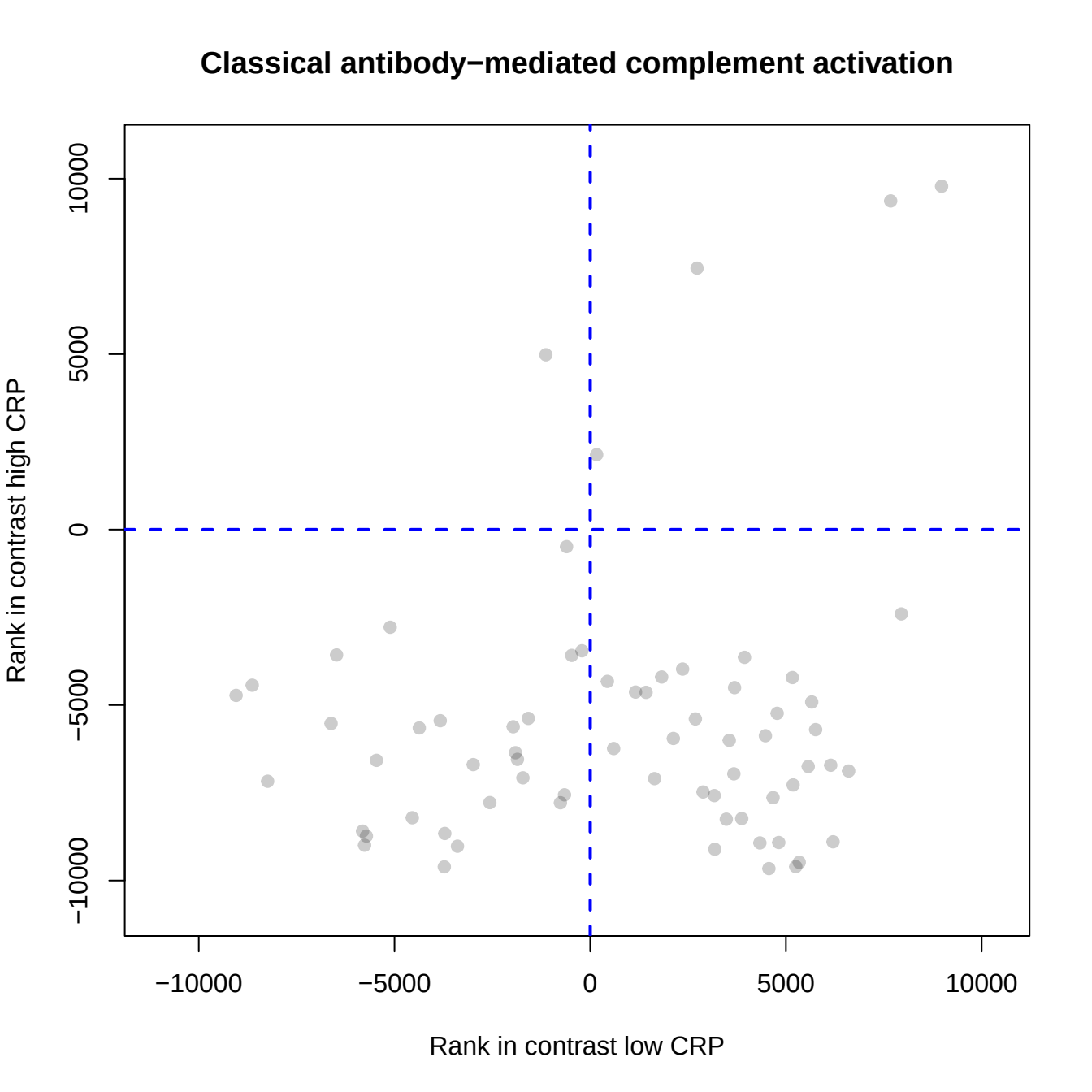

effect size versus statistical significance
−log(p.adjustMANOVA) (significance)
0
50
100
150
200
0.2
0.4
0.6
0.8
1.0
1.2
s.dist (effect size)

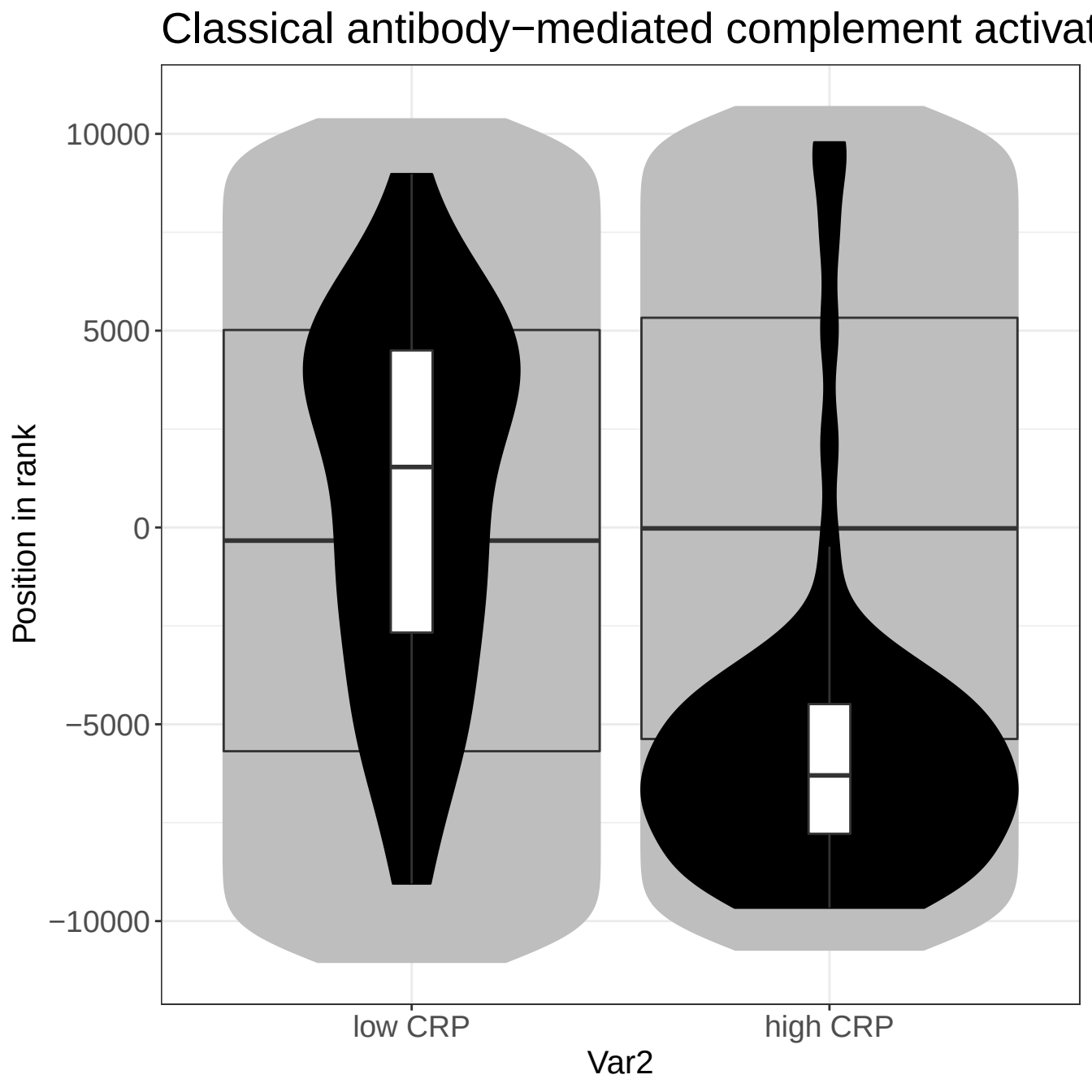

Scavenging of heme from plasma
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

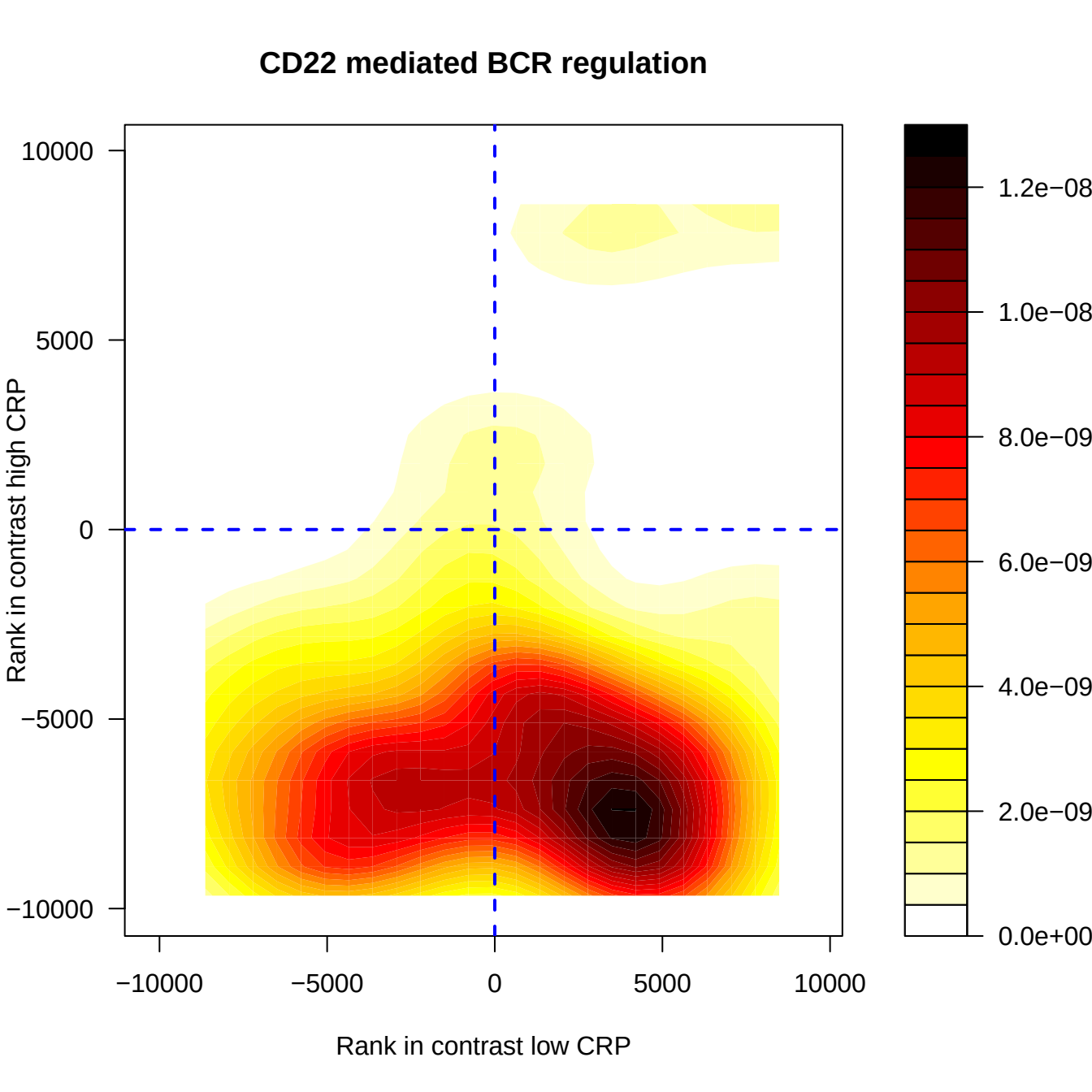

Scavenging of heme from plasma
Rank in contrast high CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000
Rank in contrast low CRP

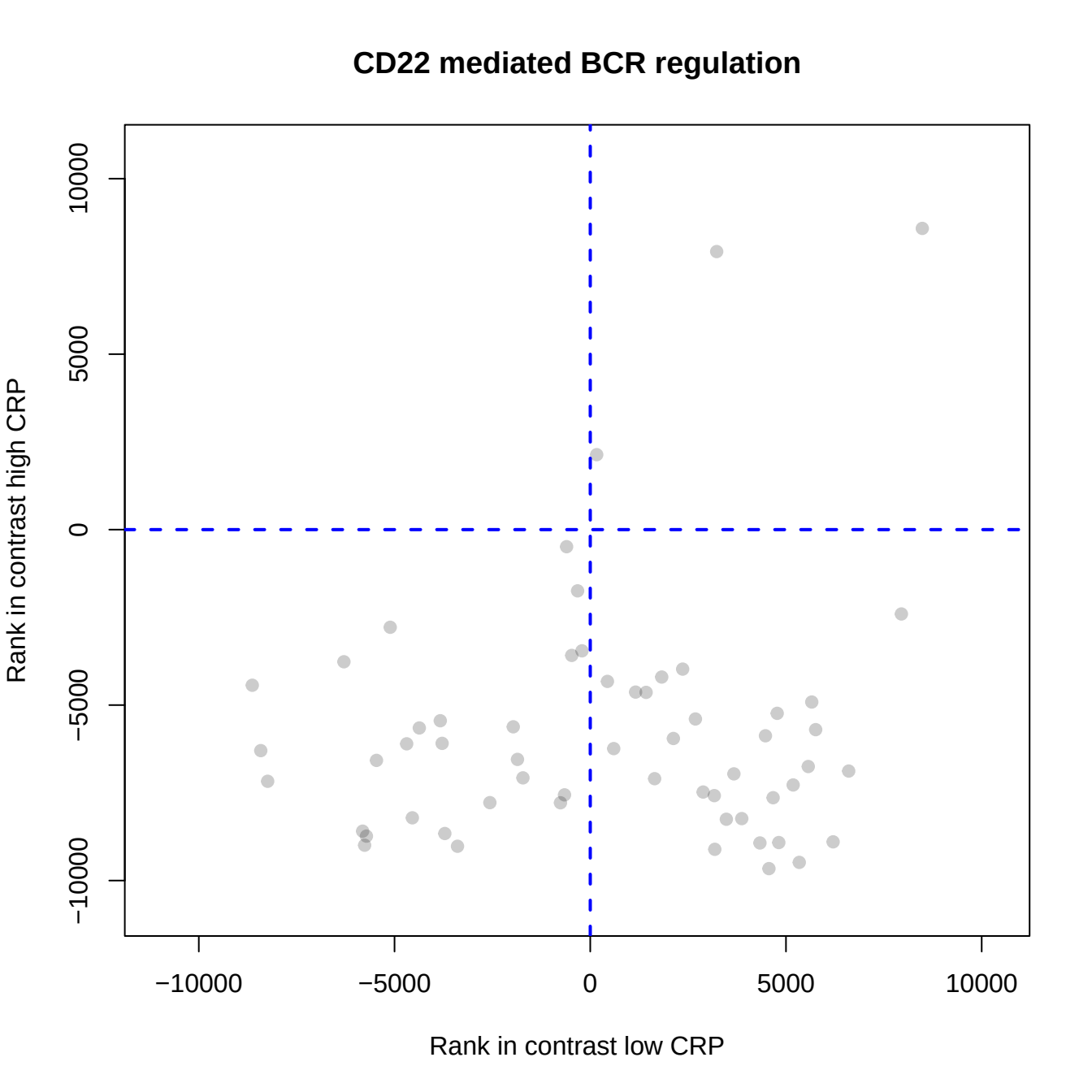

Scavenging of heme from plasma
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

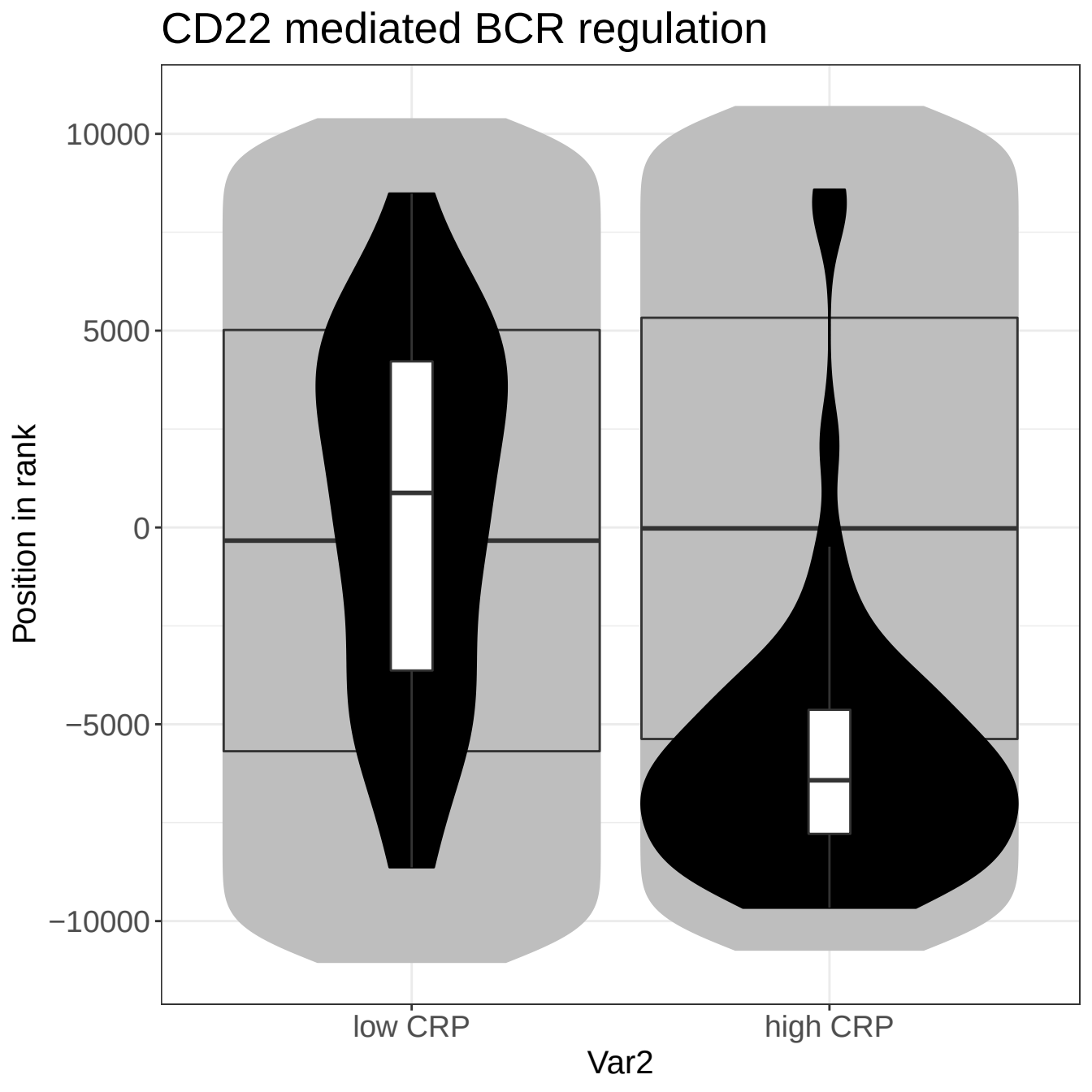

Classical antibody−mediated complement activation
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

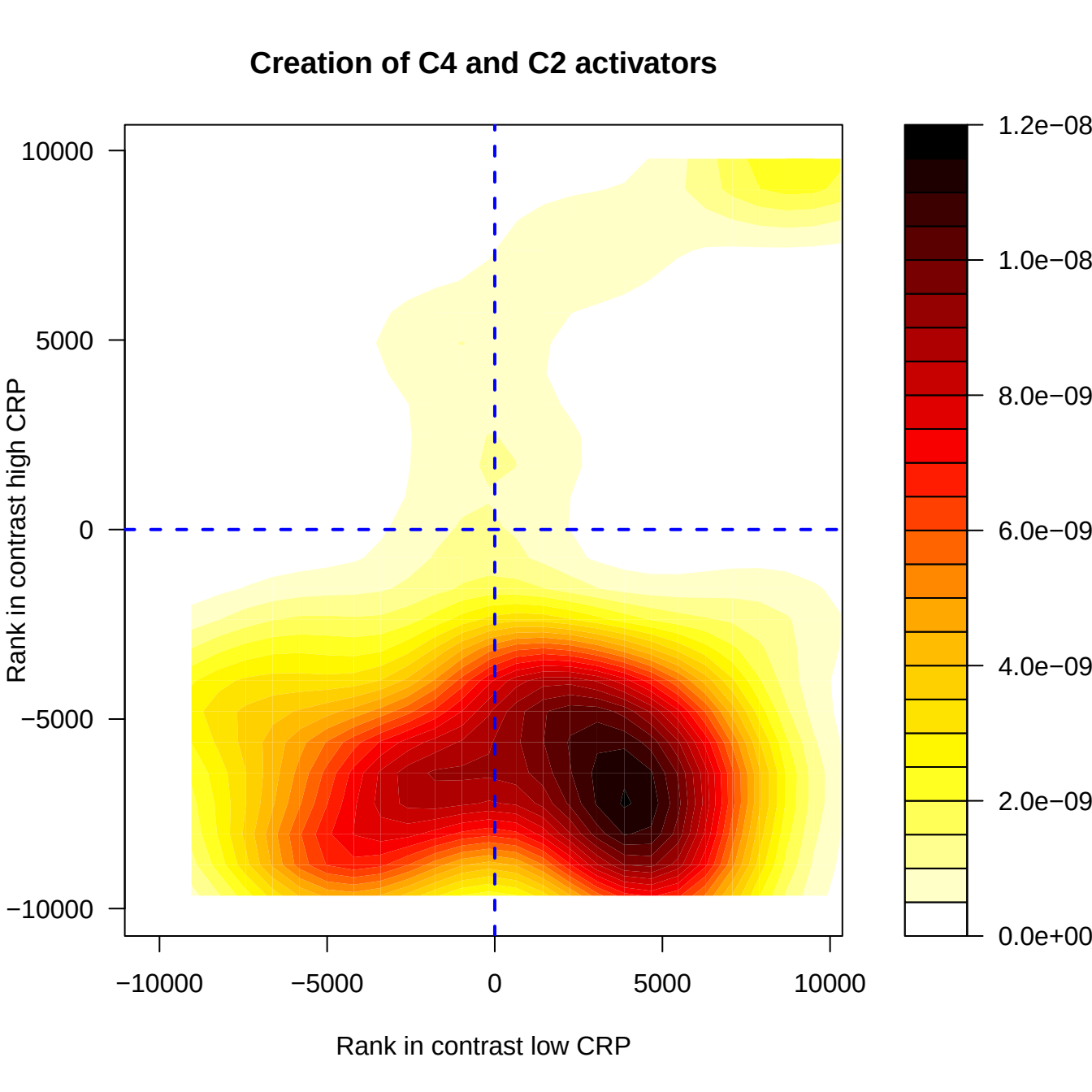

Classical antibody−mediated complement activation
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

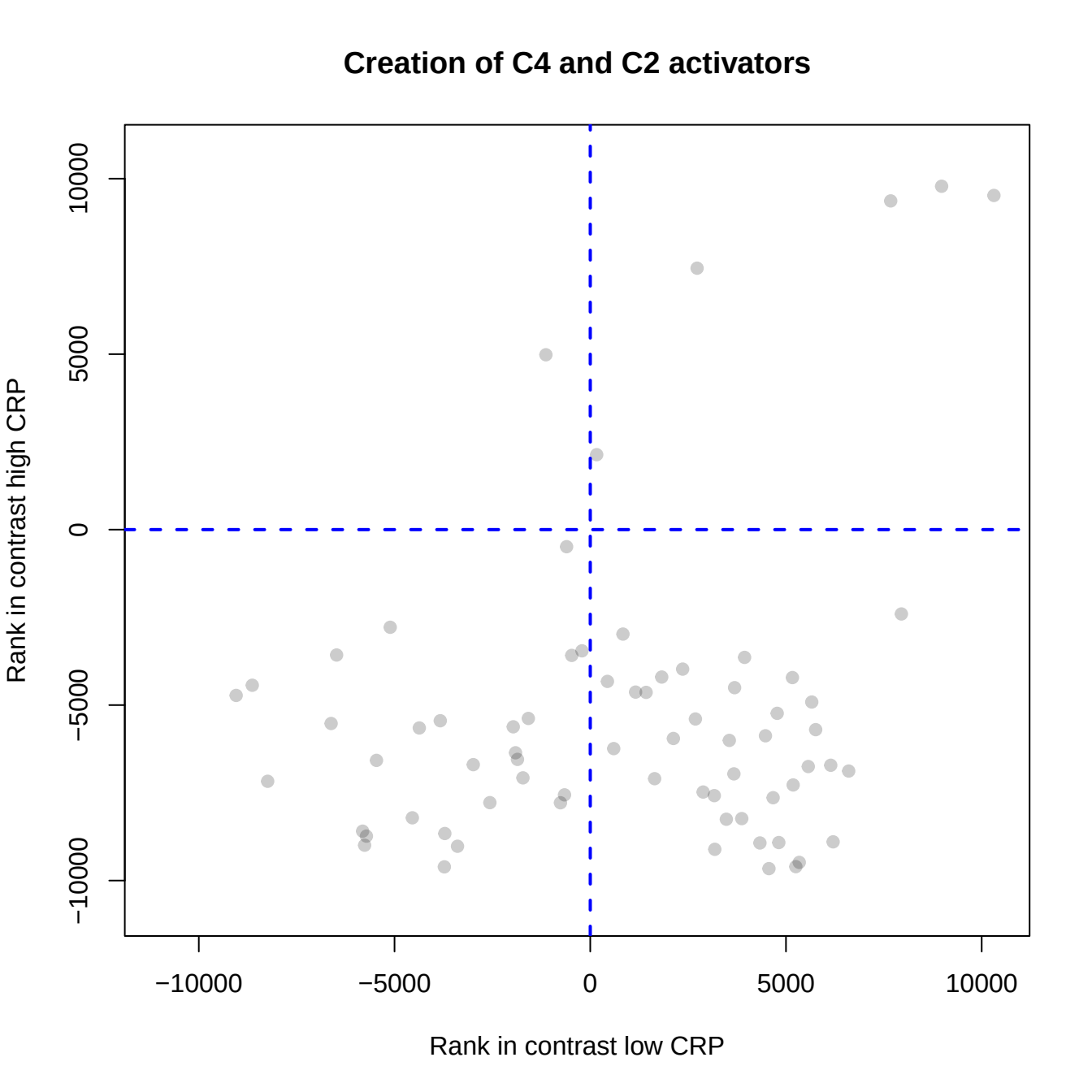

Classical antibody−mediated complement activat
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

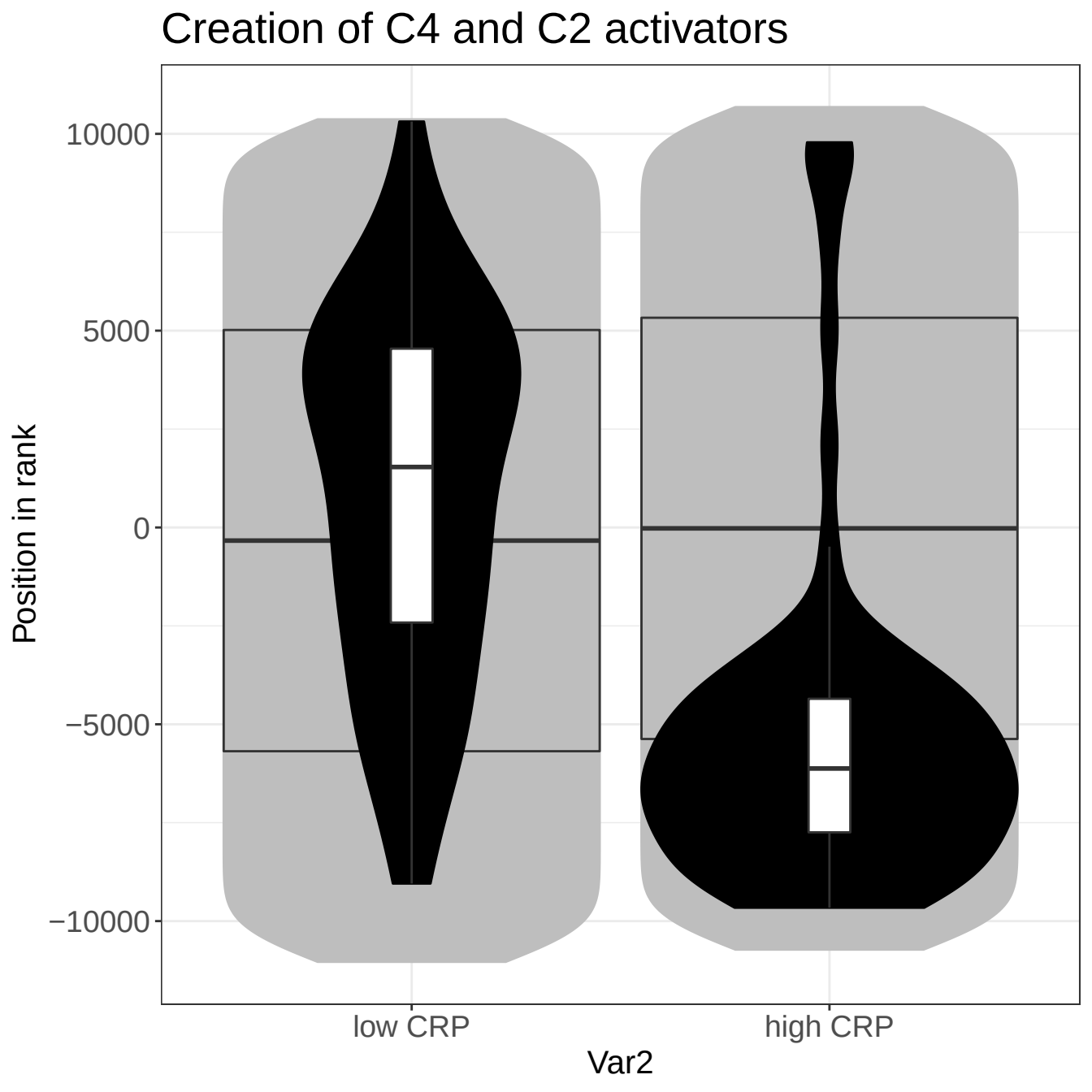

CD22 mediated BCR regulation
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

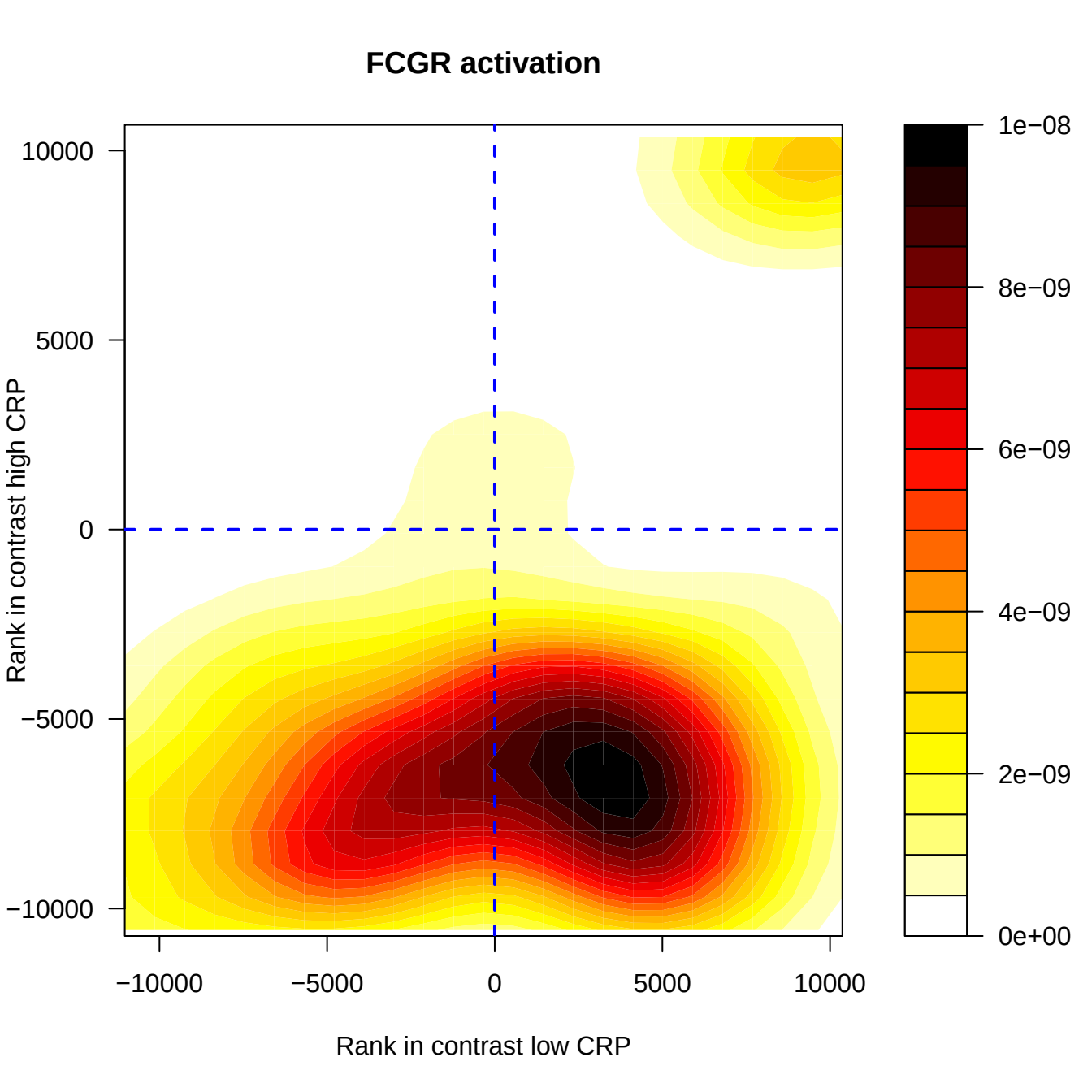

CD22 mediated BCR regulation
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

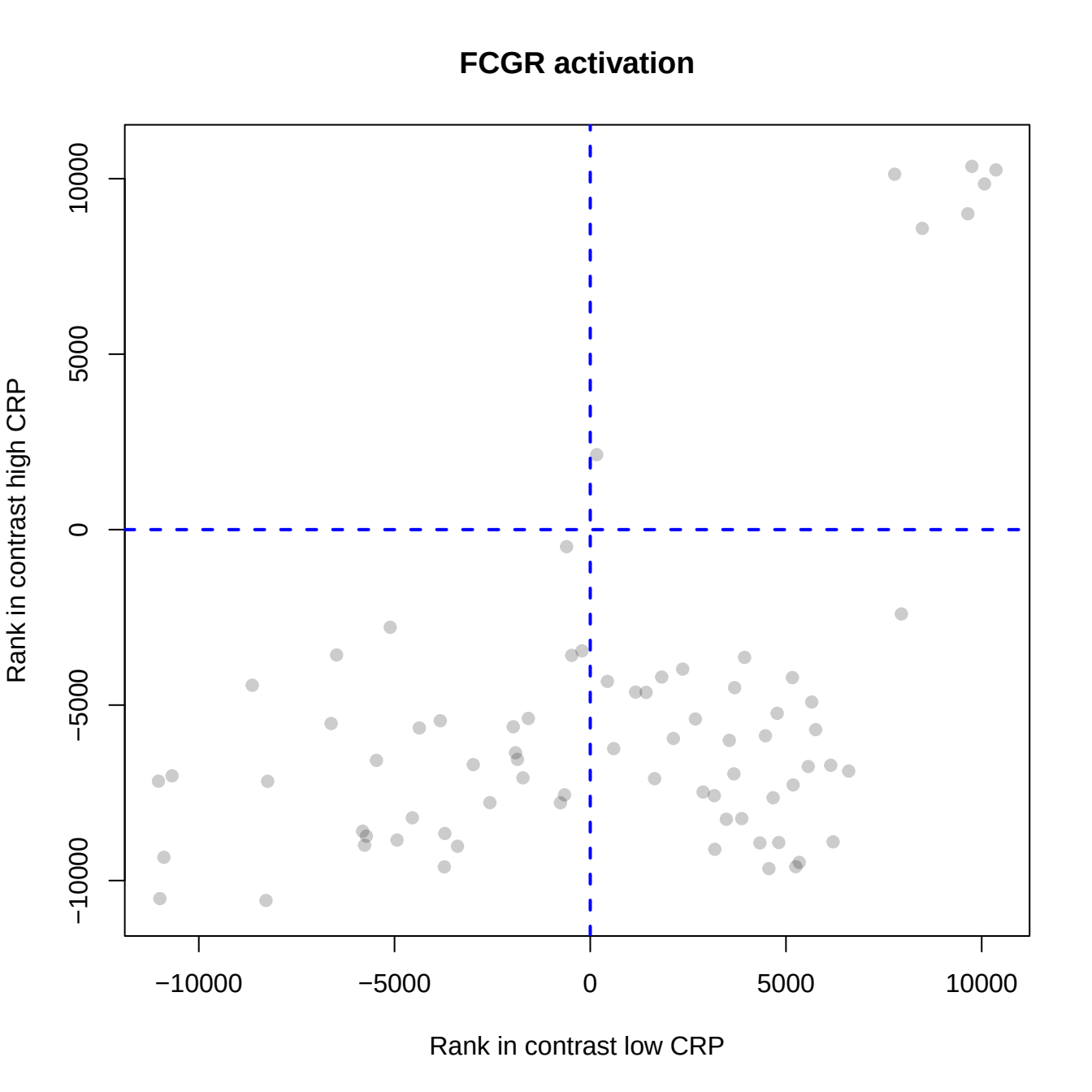

CD22 mediated BCR regulation
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

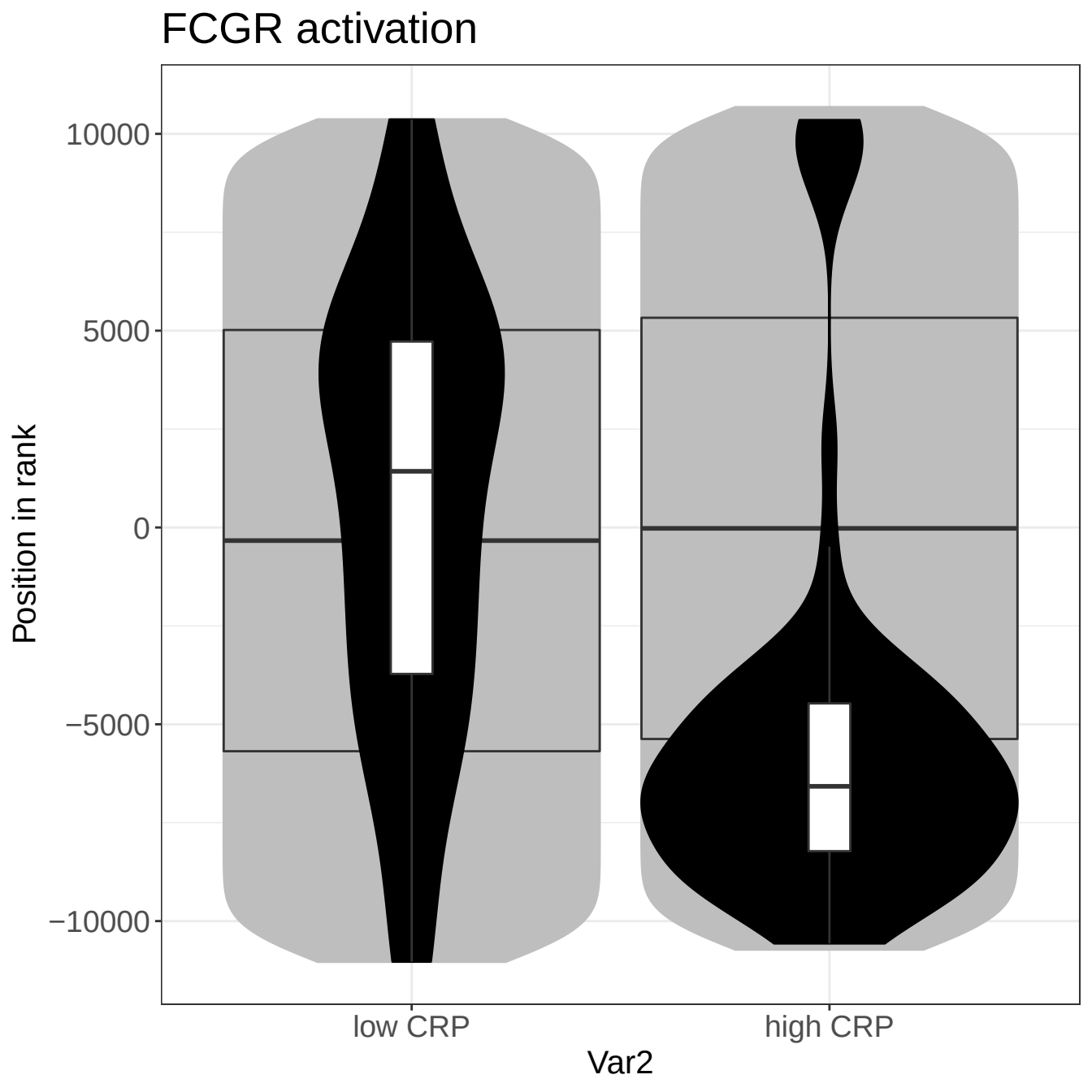

Creation of C4 and C2 activators
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

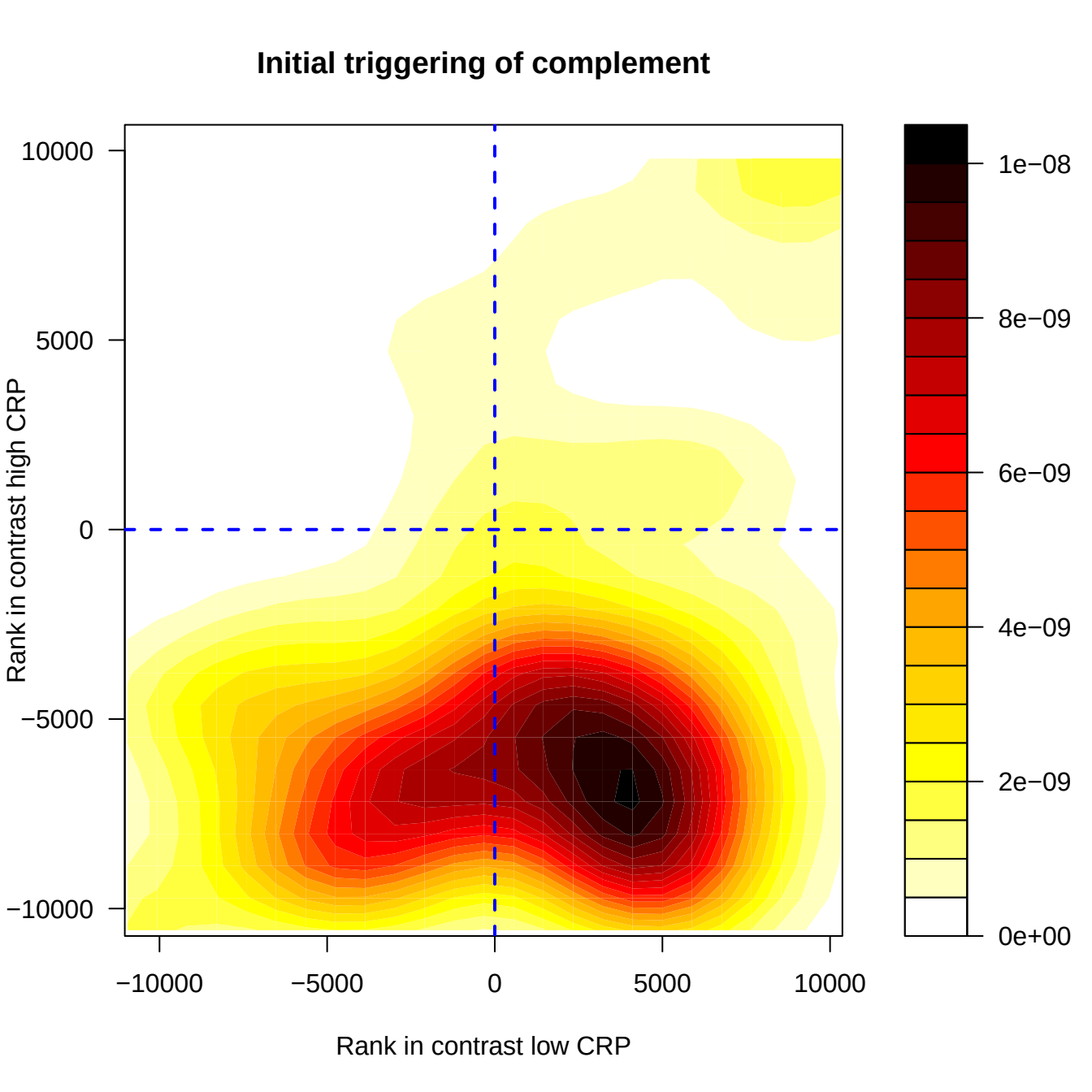

Creation of C4 and C2 activators
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

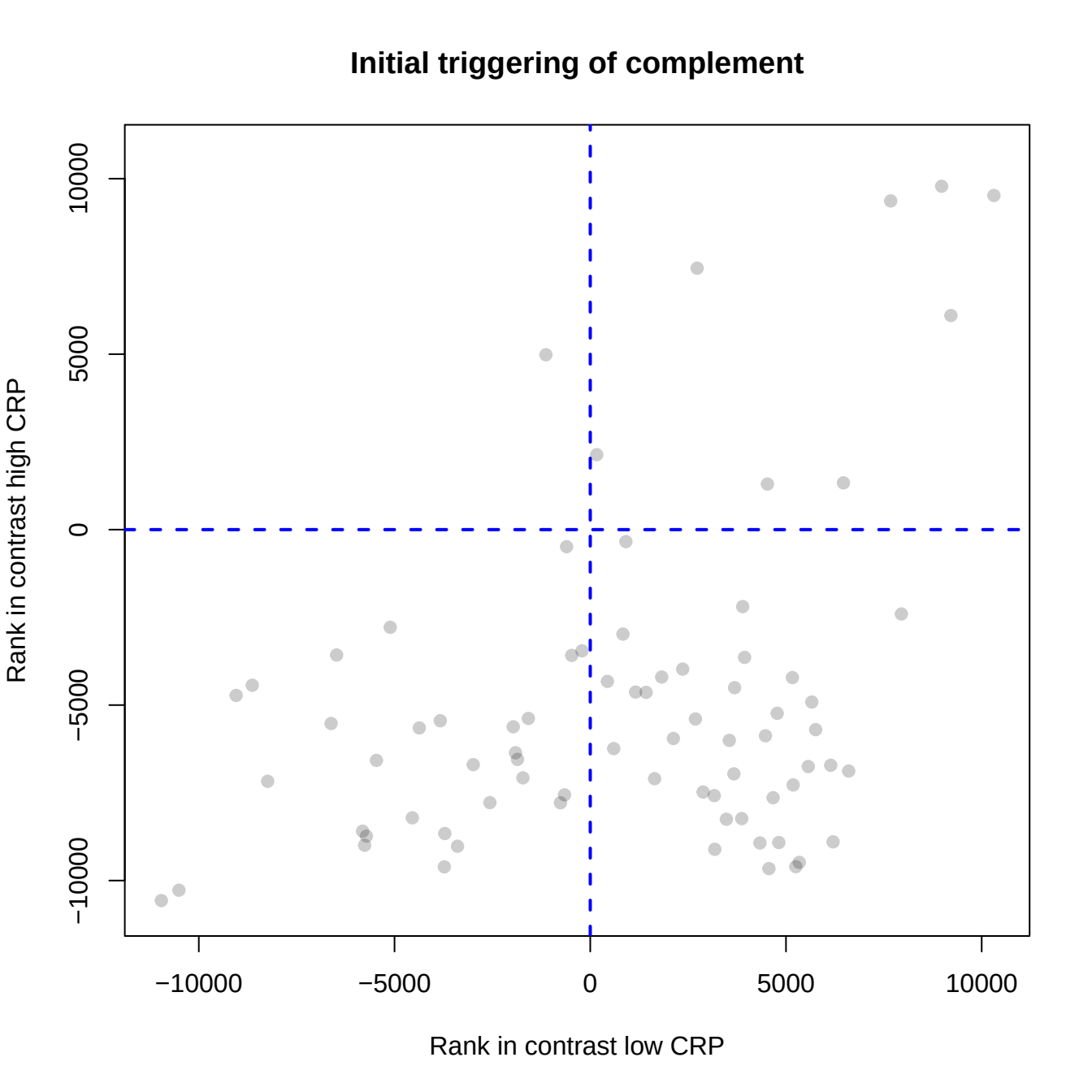

Creation of C4 and C2 activators
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

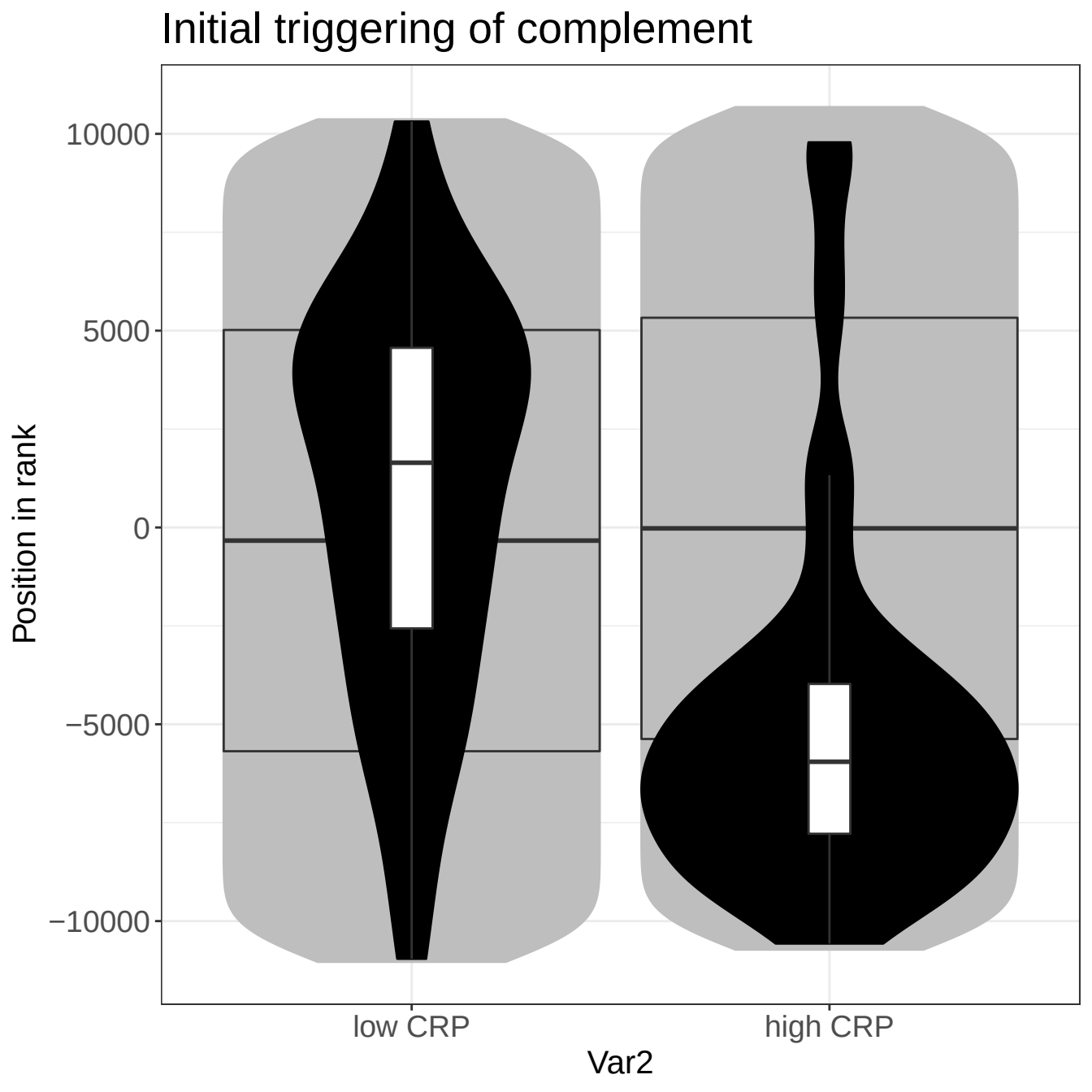

FCGR activation
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

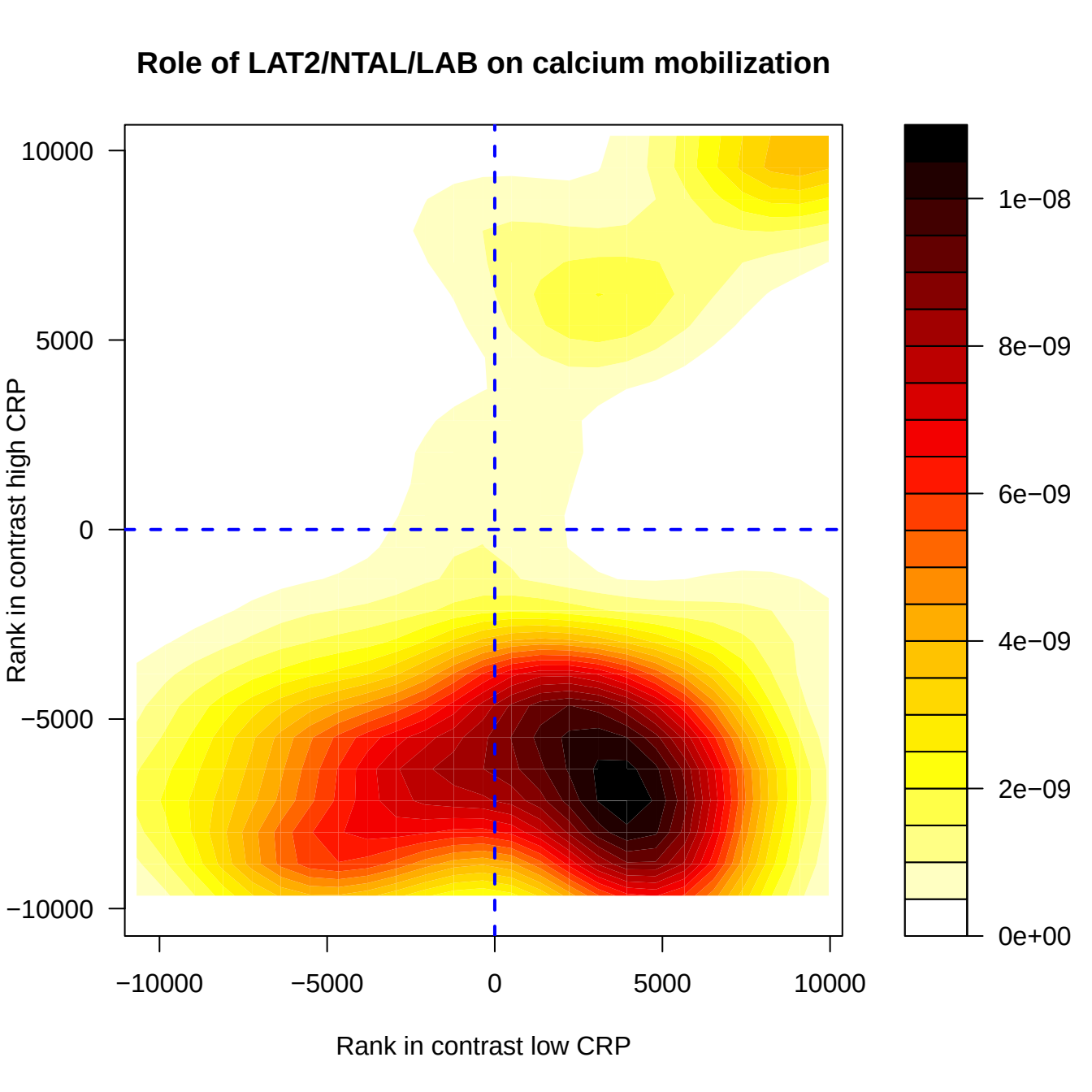

FCGR activation
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

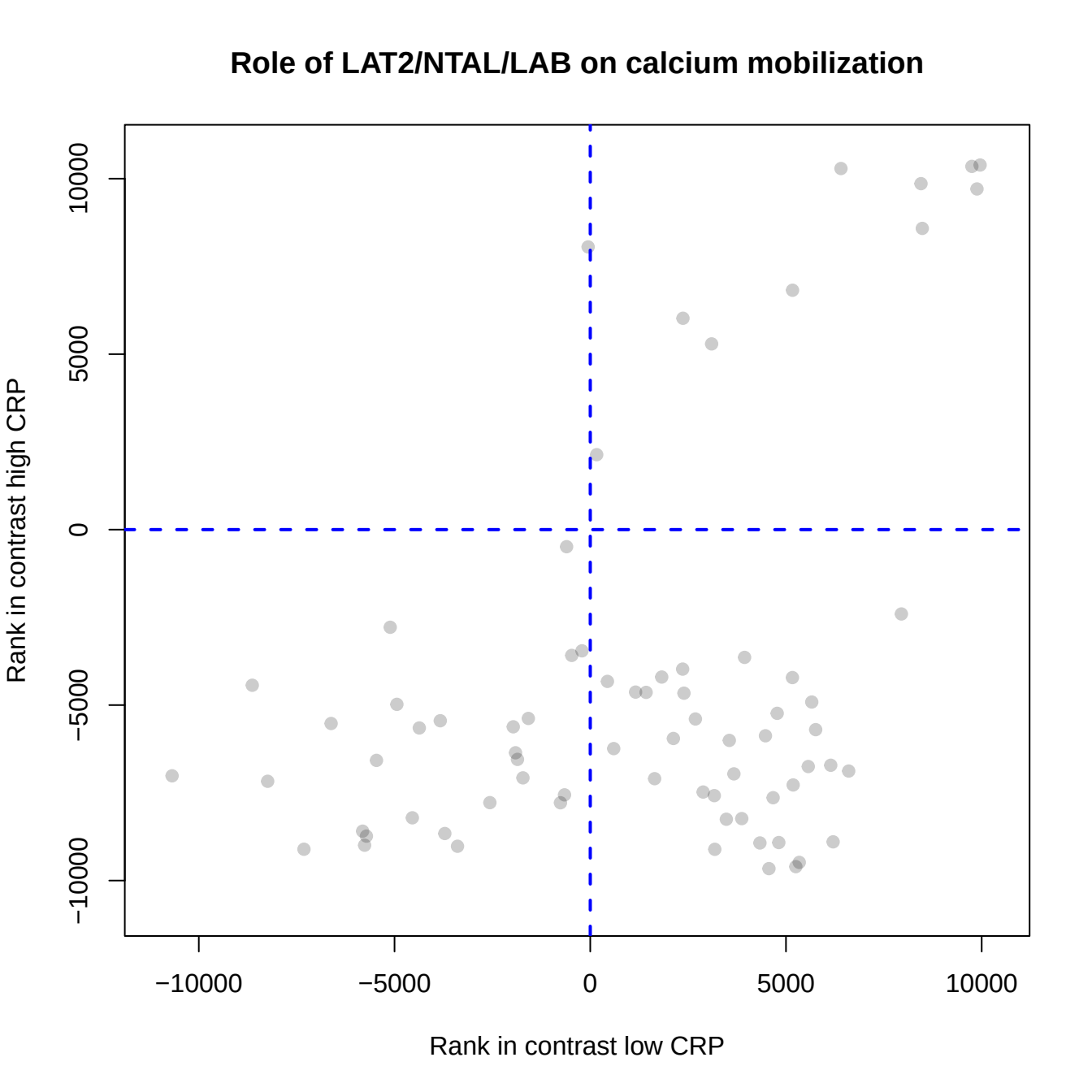

FCGR activation
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

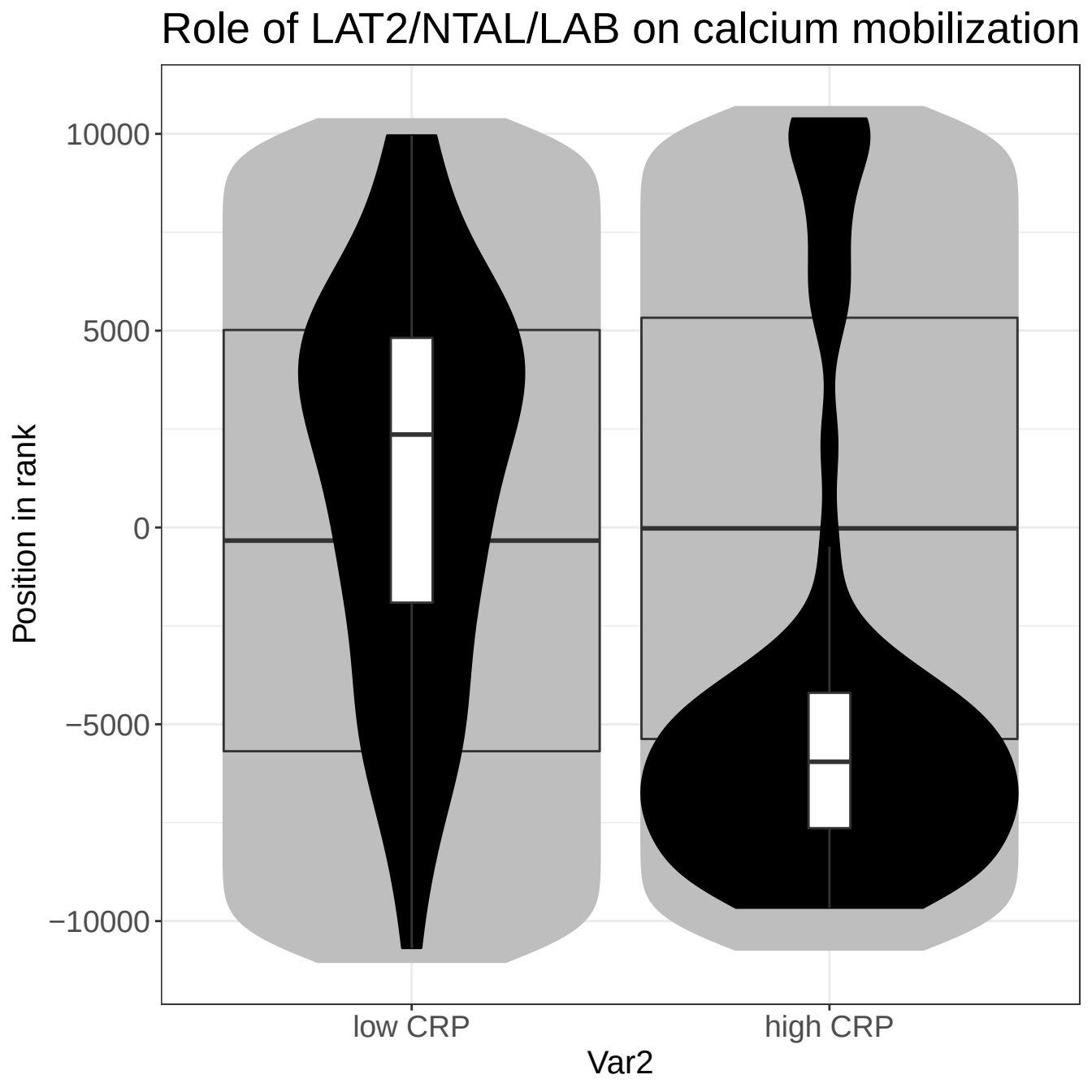

Initial triggering of complement
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

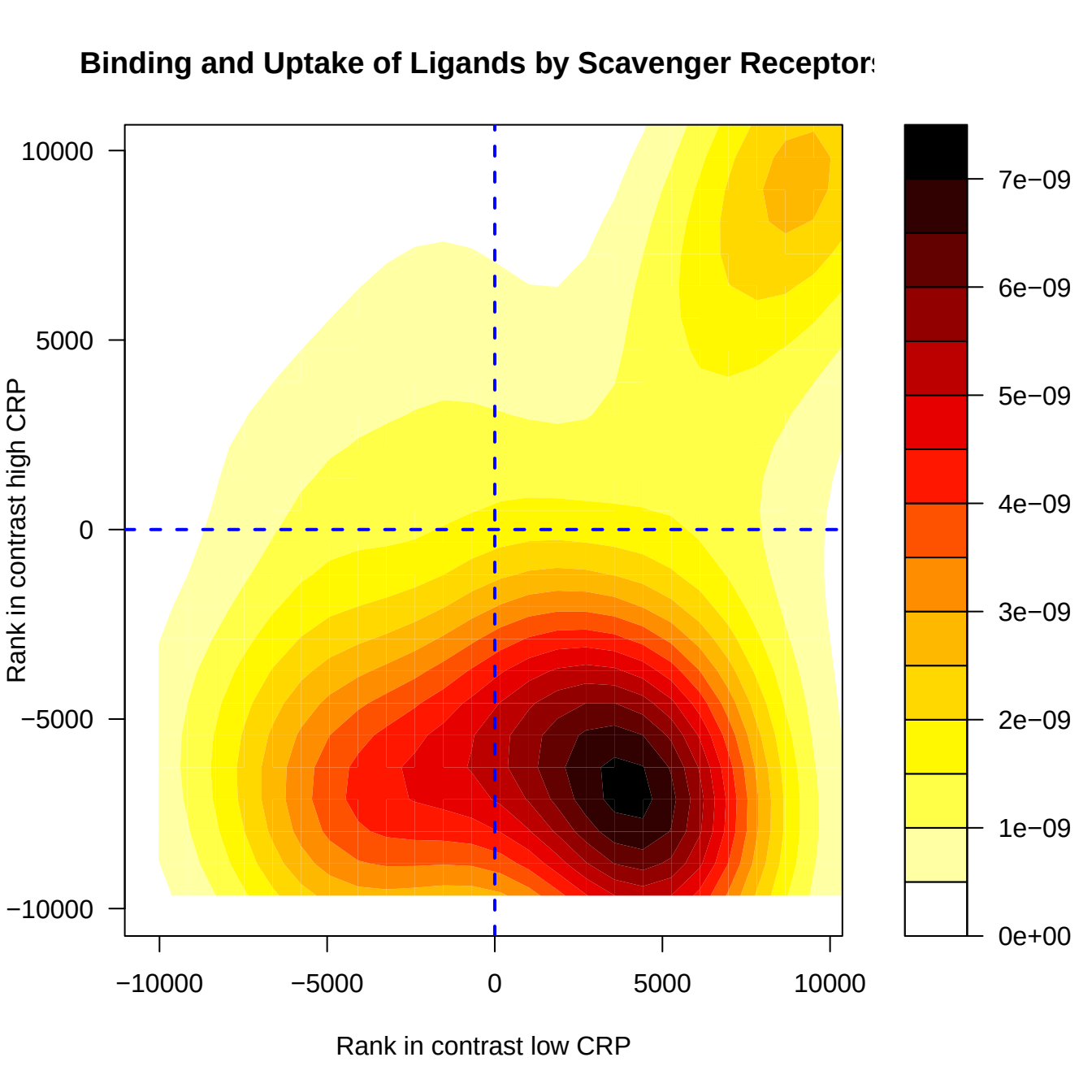

Initial triggering of complement
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

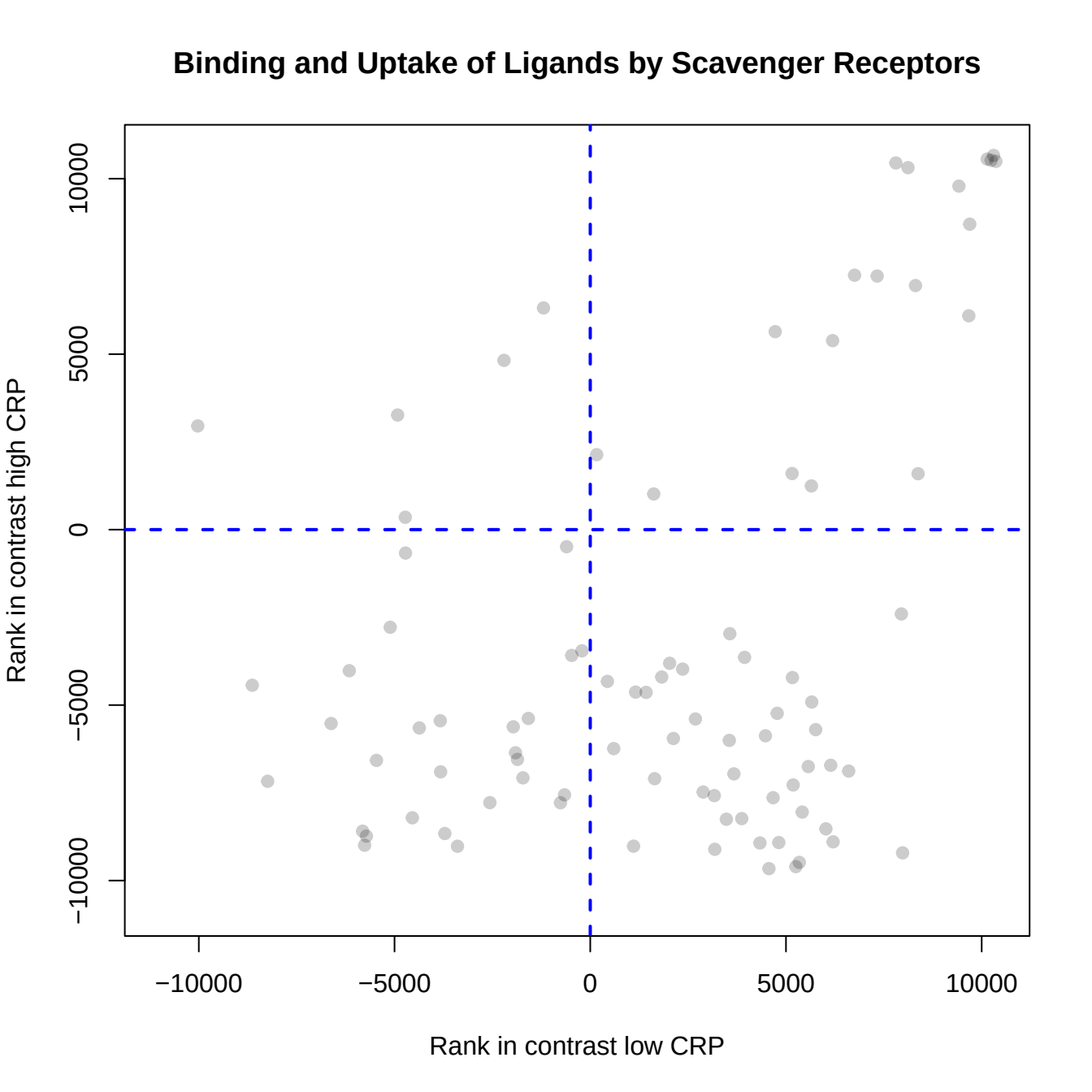

Initial triggering of complement
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

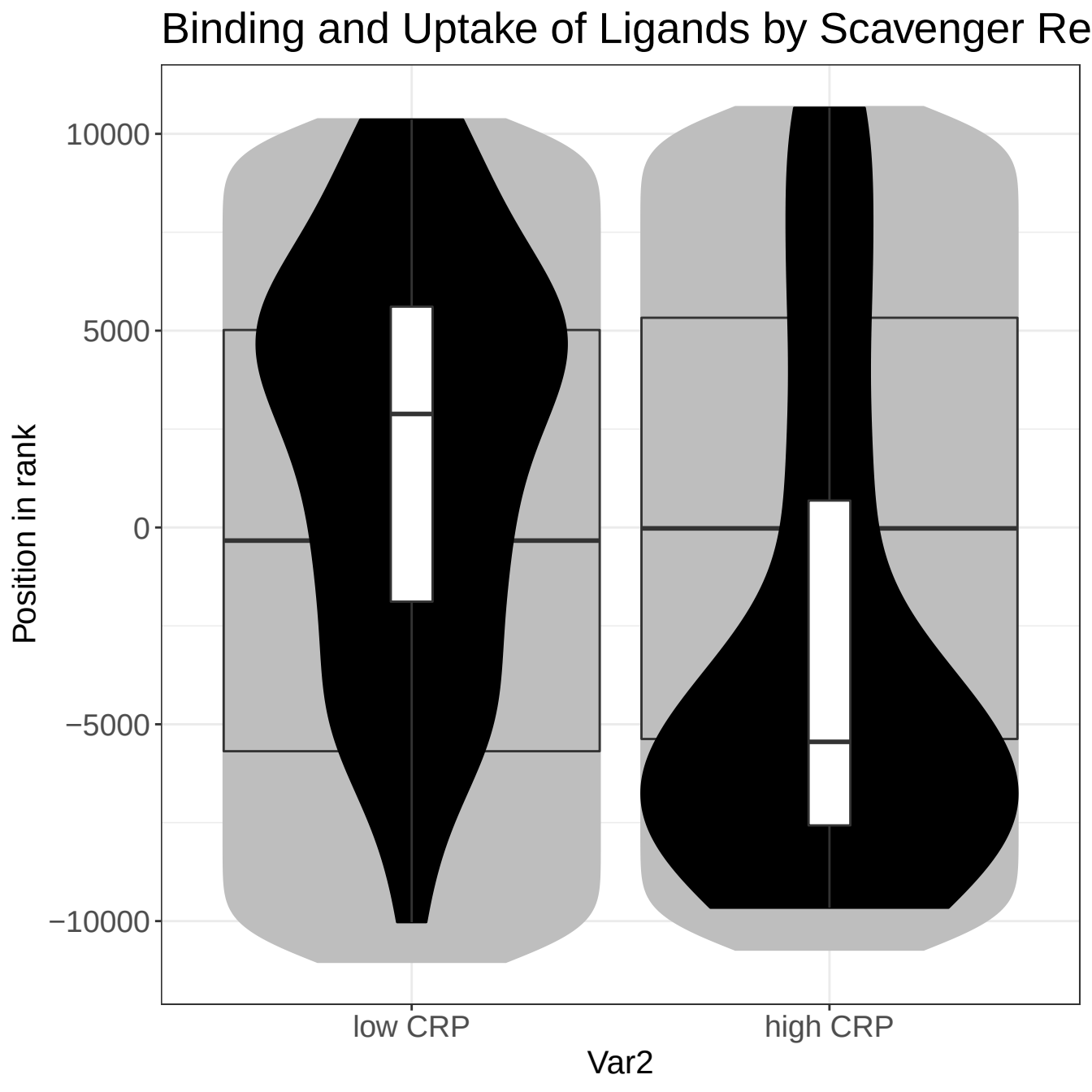

Role of LAT2/NTAL/LAB on calcium mobilization
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

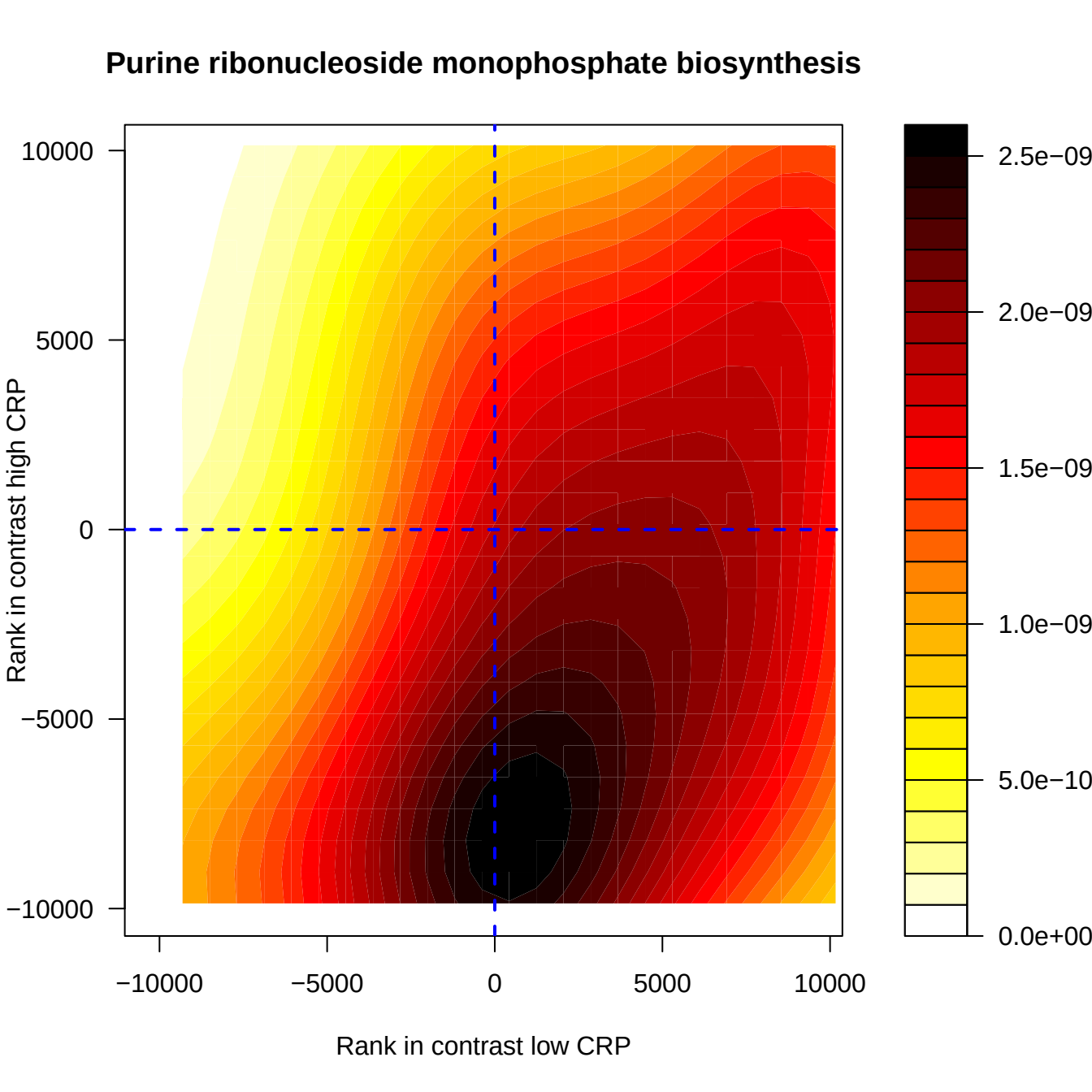

Role of LAT2/NTAL/LAB on calcium mobilization
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

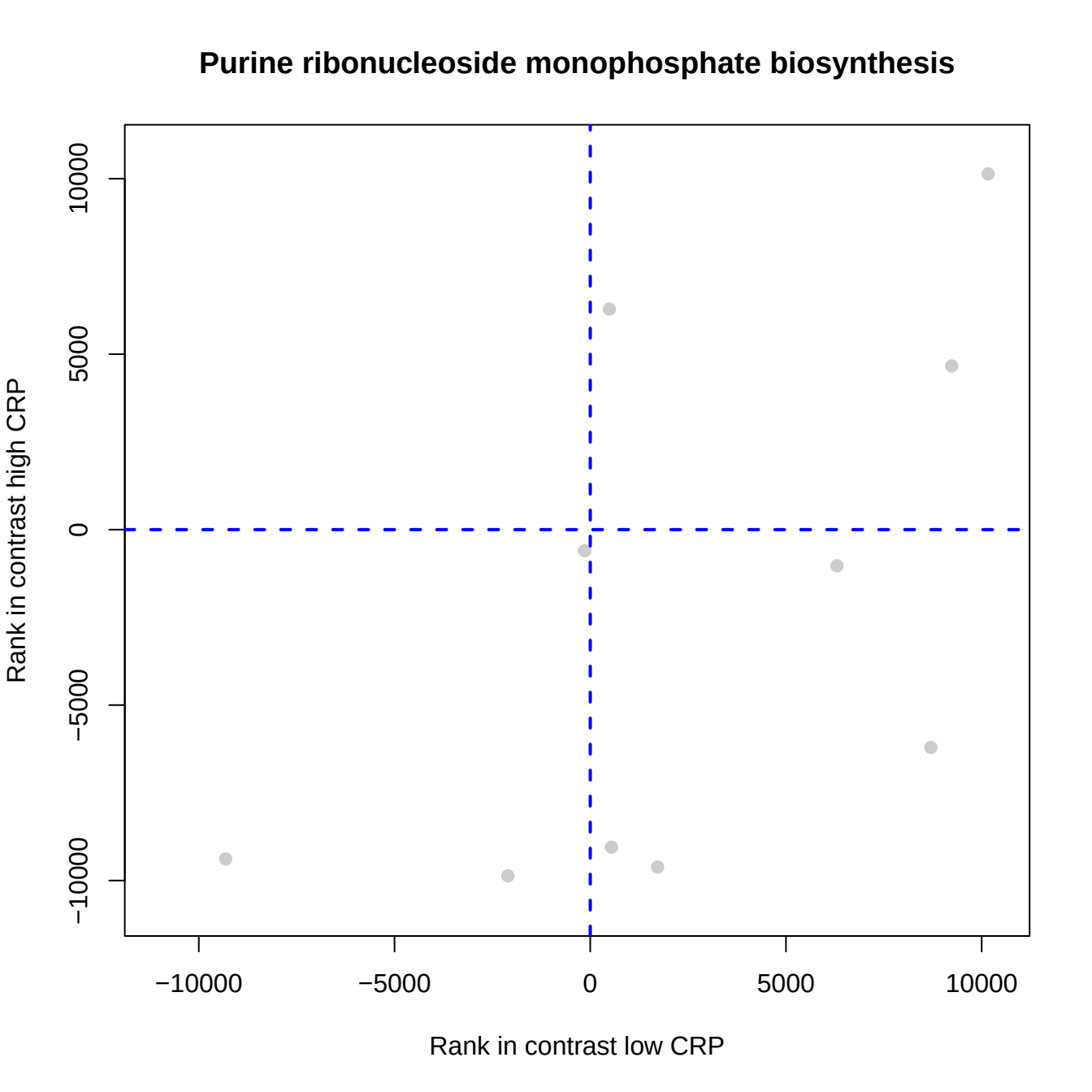

Role of LAT2/NTAL/LAB on calcium mobilization
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

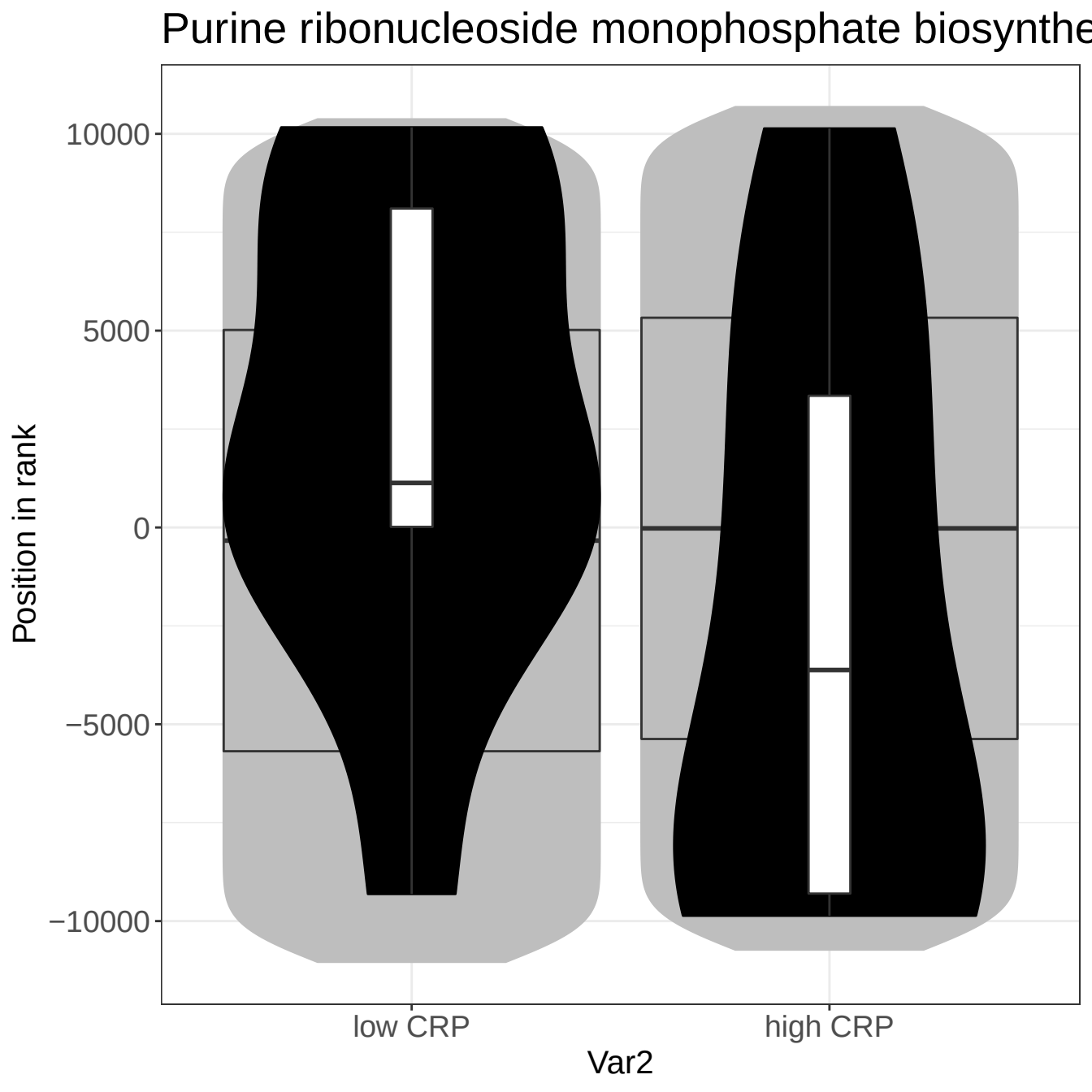

Binding and Uptake of Ligands by Scavenger Receptors
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
7e−09
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

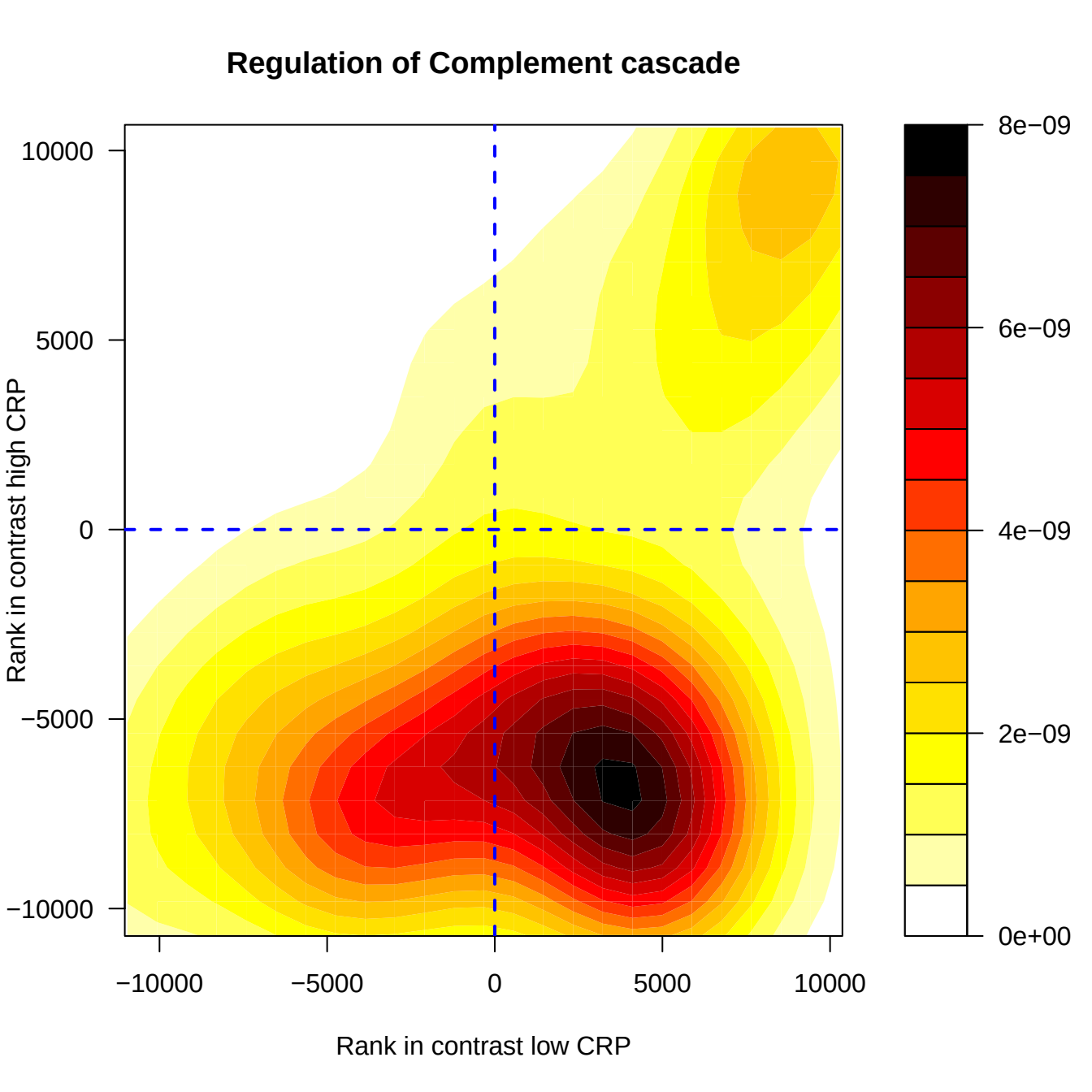

Binding and Uptake of Ligands by Scavenger Receptors
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

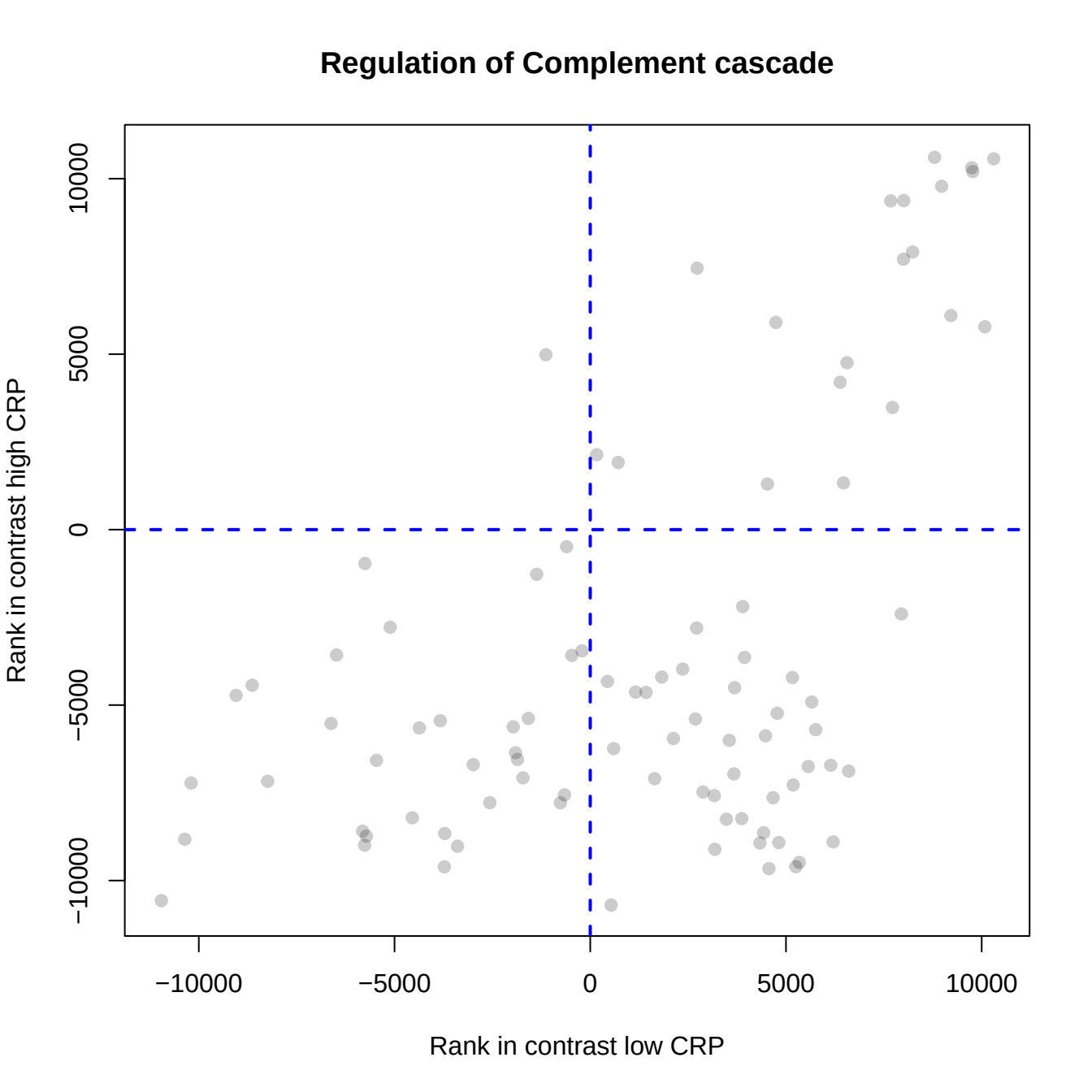

Binding and Uptake of Ligands by Scavenger Re
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

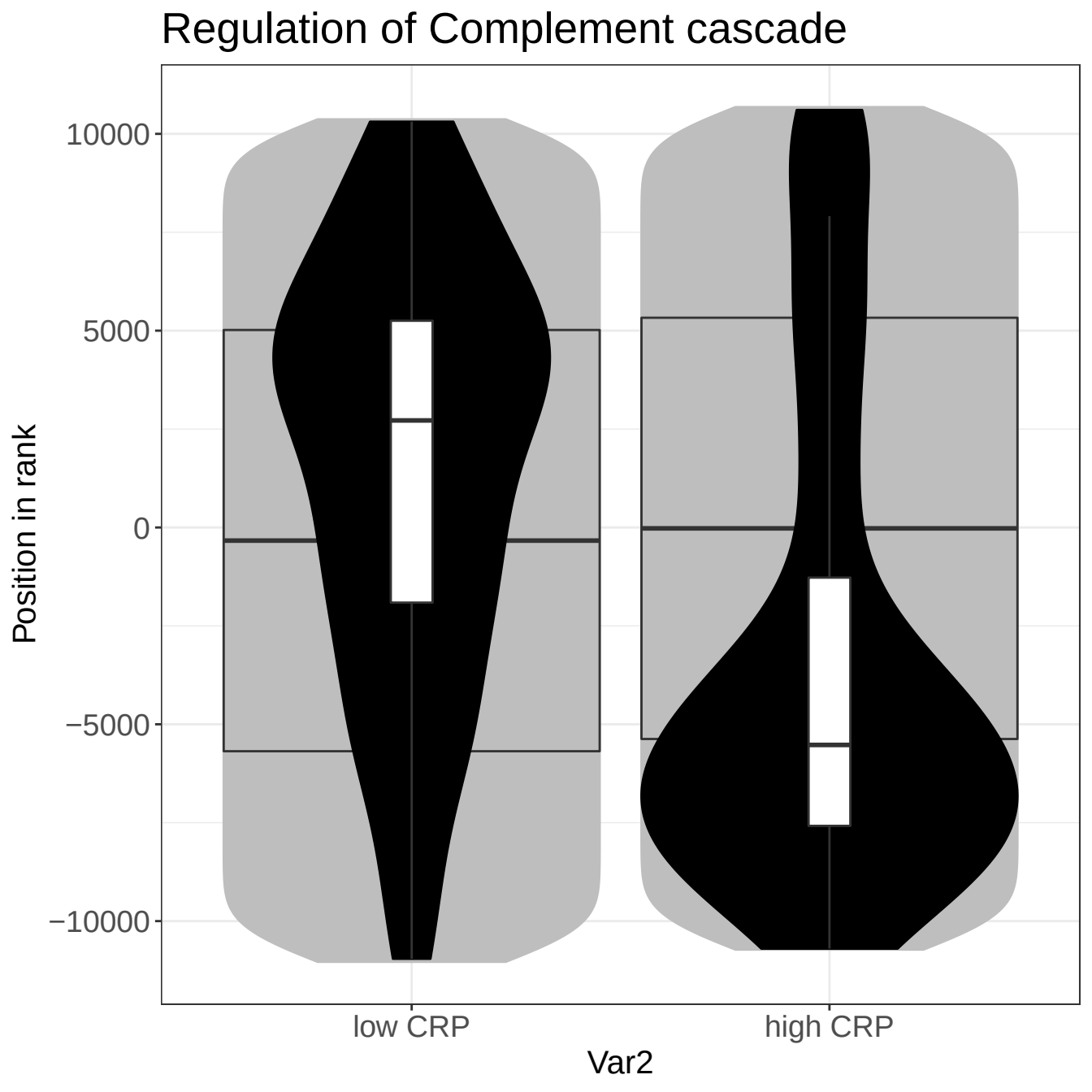

Purine ribonucleoside monophosphate biosynthesis
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

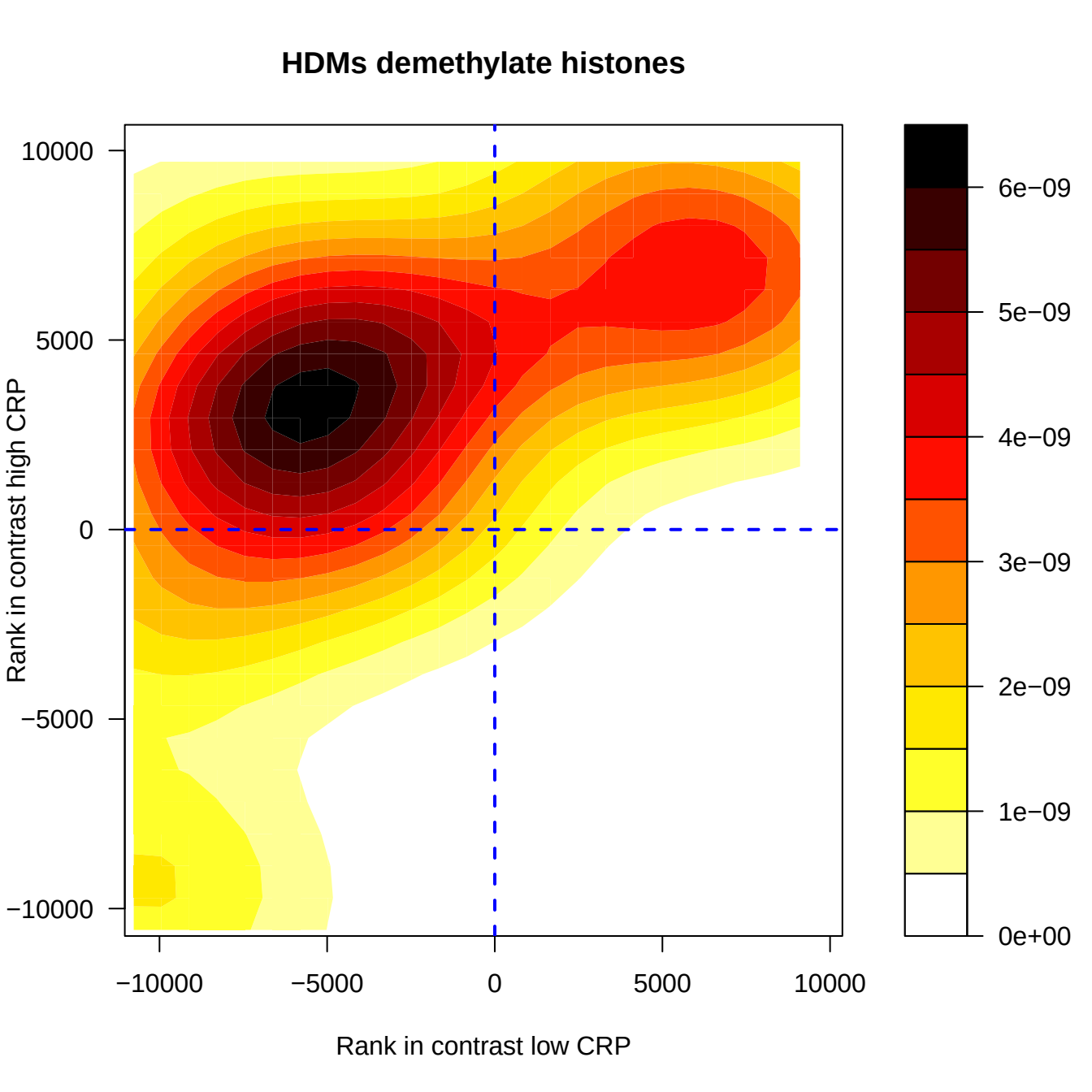

Purine ribonucleoside monophosphate biosynthesis
Rank in contrast high CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000
Rank in contrast low CRP

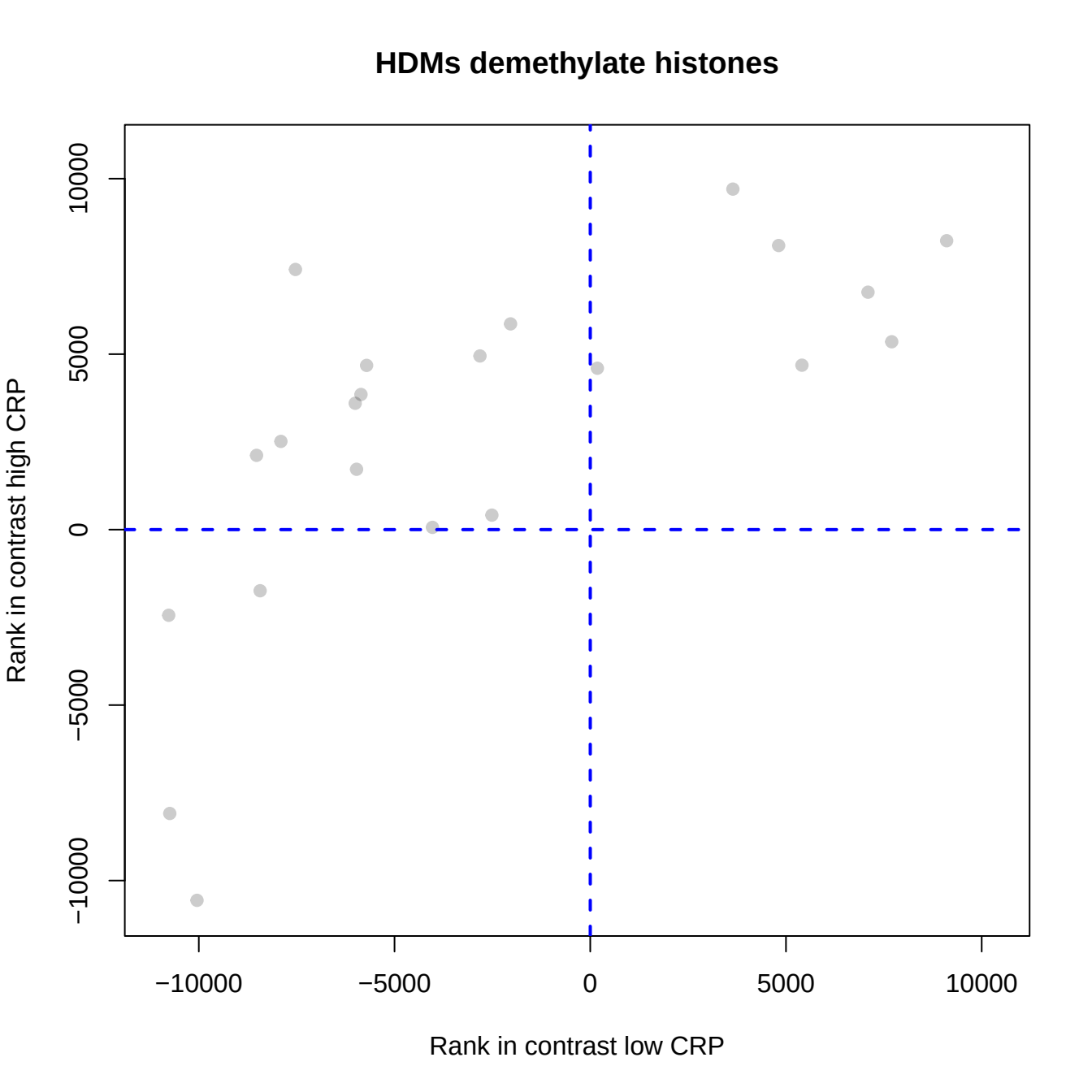

Purine ribonucleoside monophosphate biosynthe
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

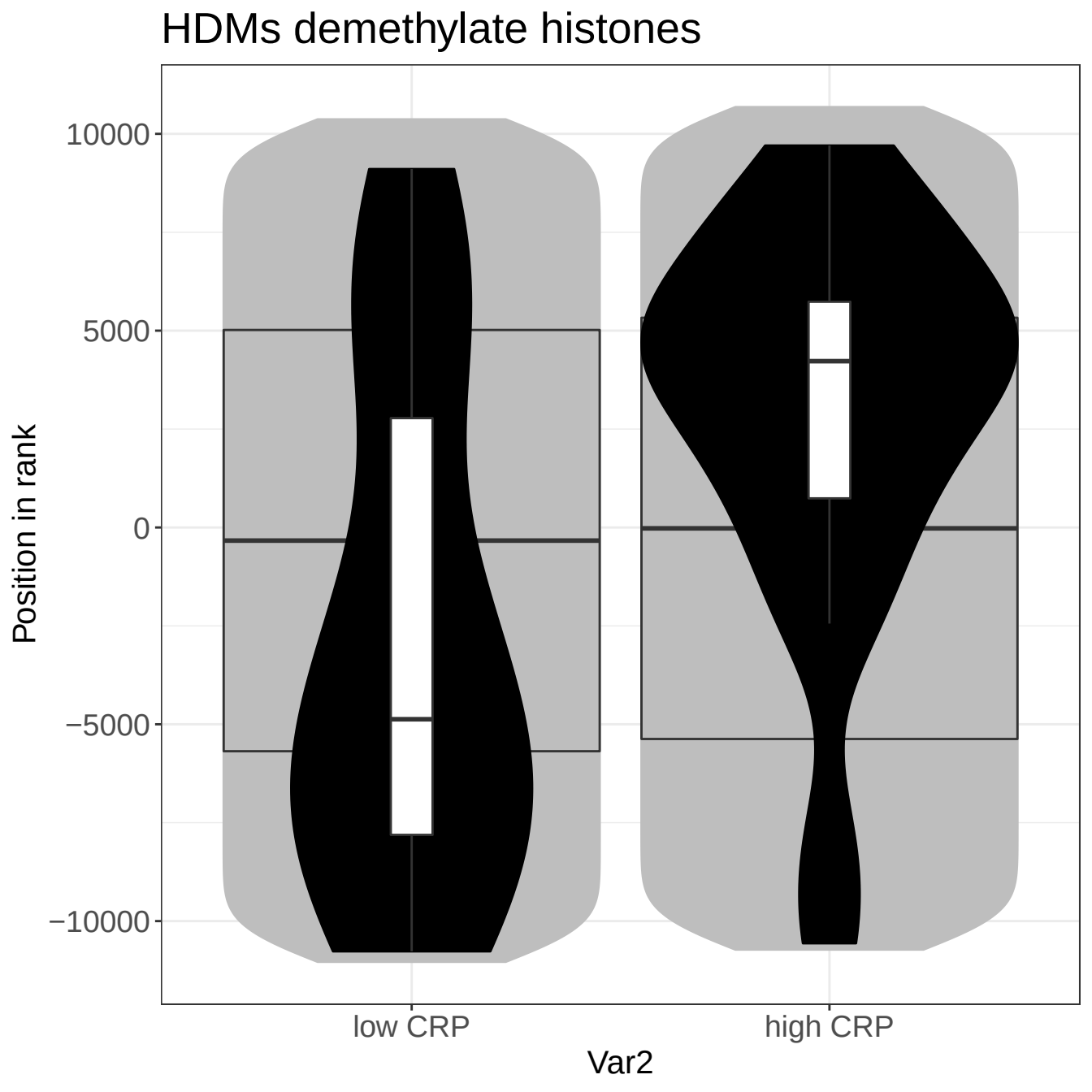

Regulation of Complement cascade
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
8e−09
6e−09
4e−09
2e−09
0e+00

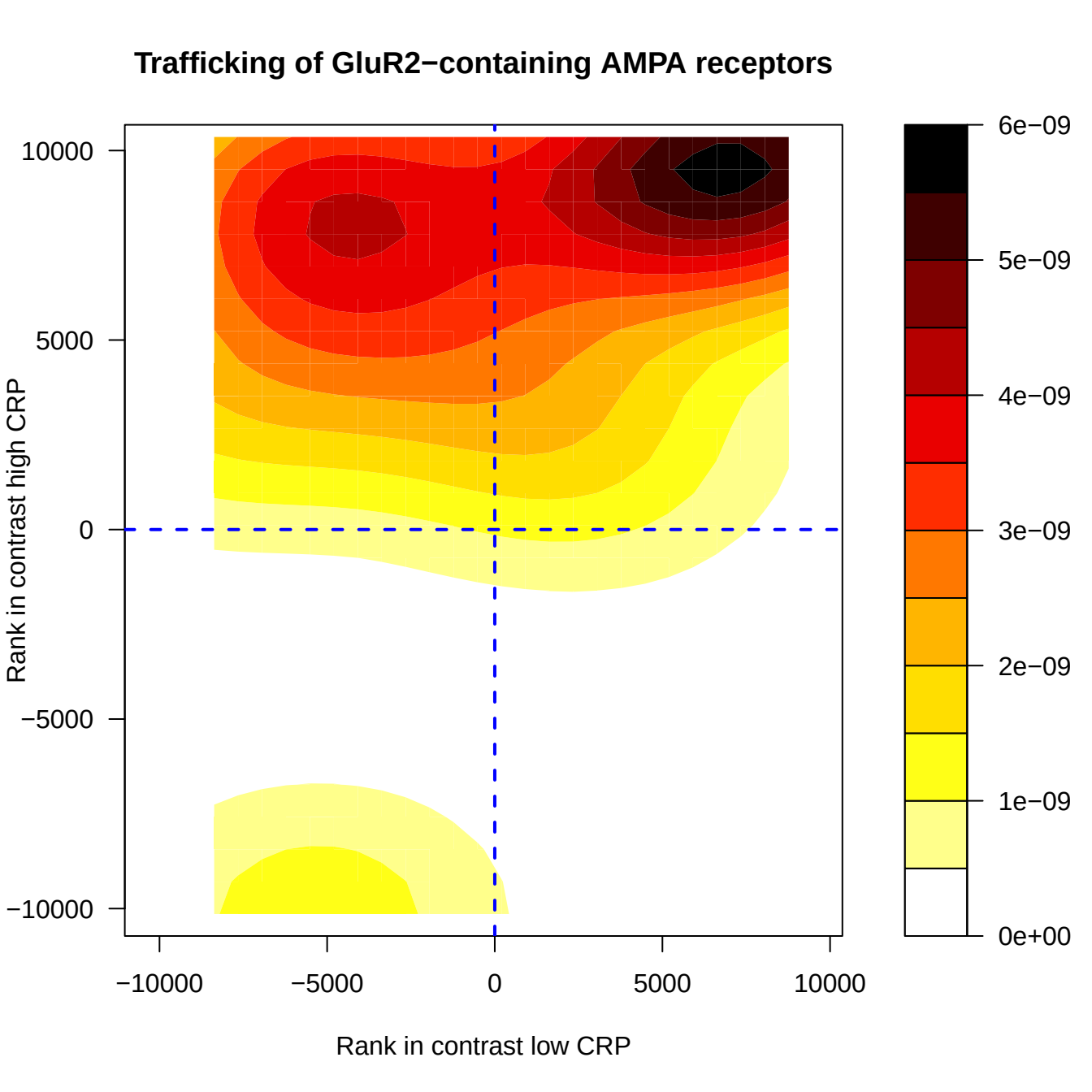

Regulation of Complement cascade
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

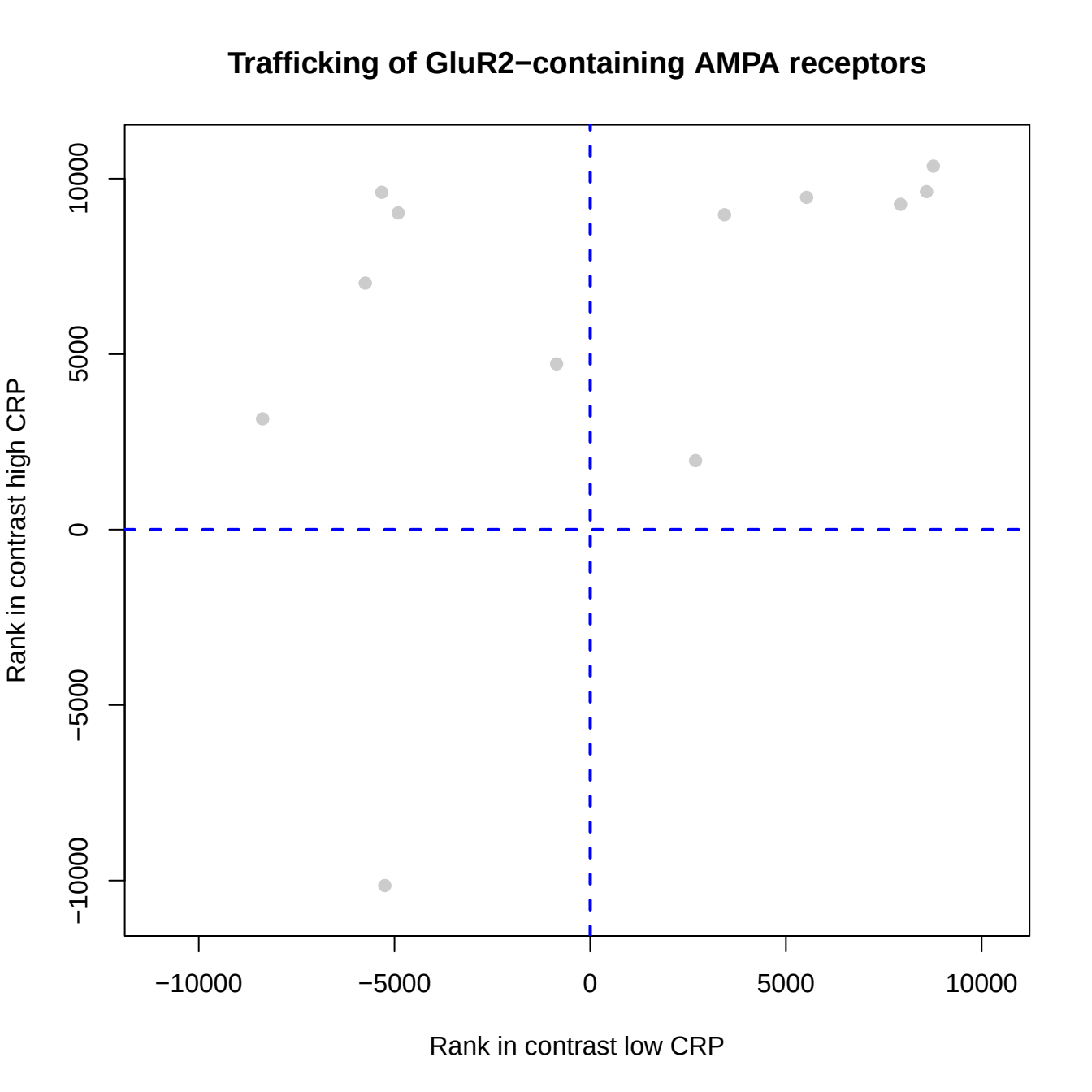

Regulation of Complement cascade
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

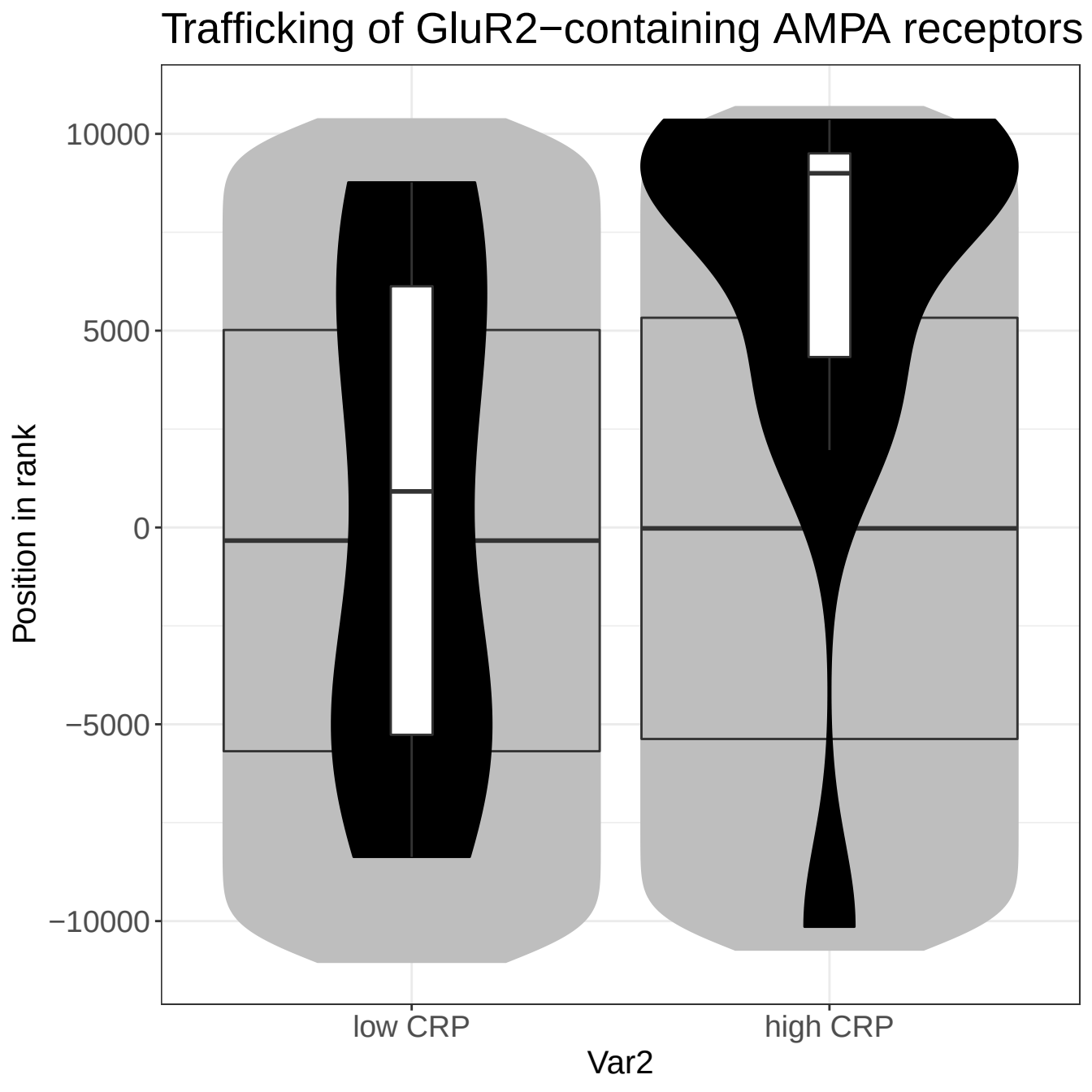

HDMs demethylate histones
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

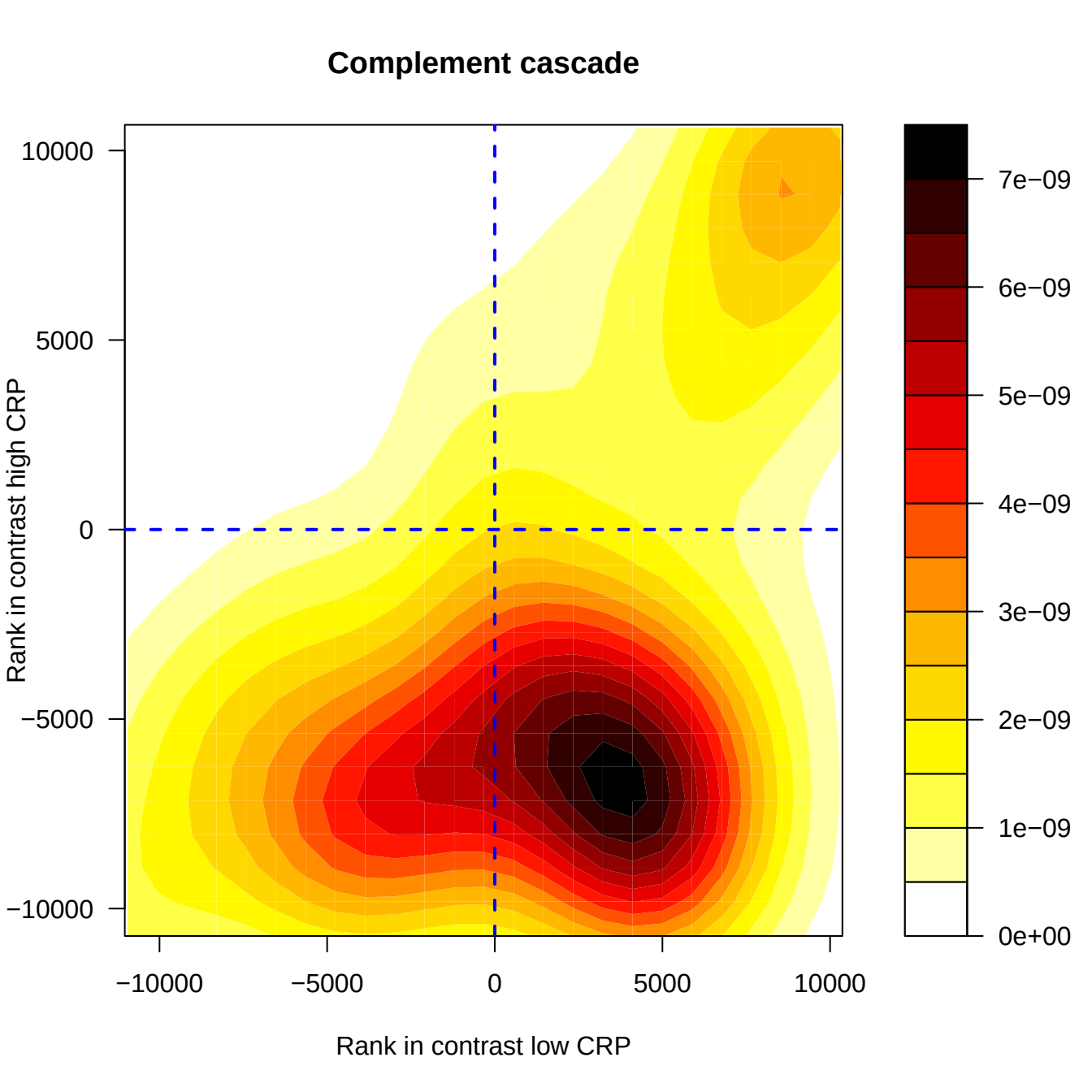

HDMs demethylate histones
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

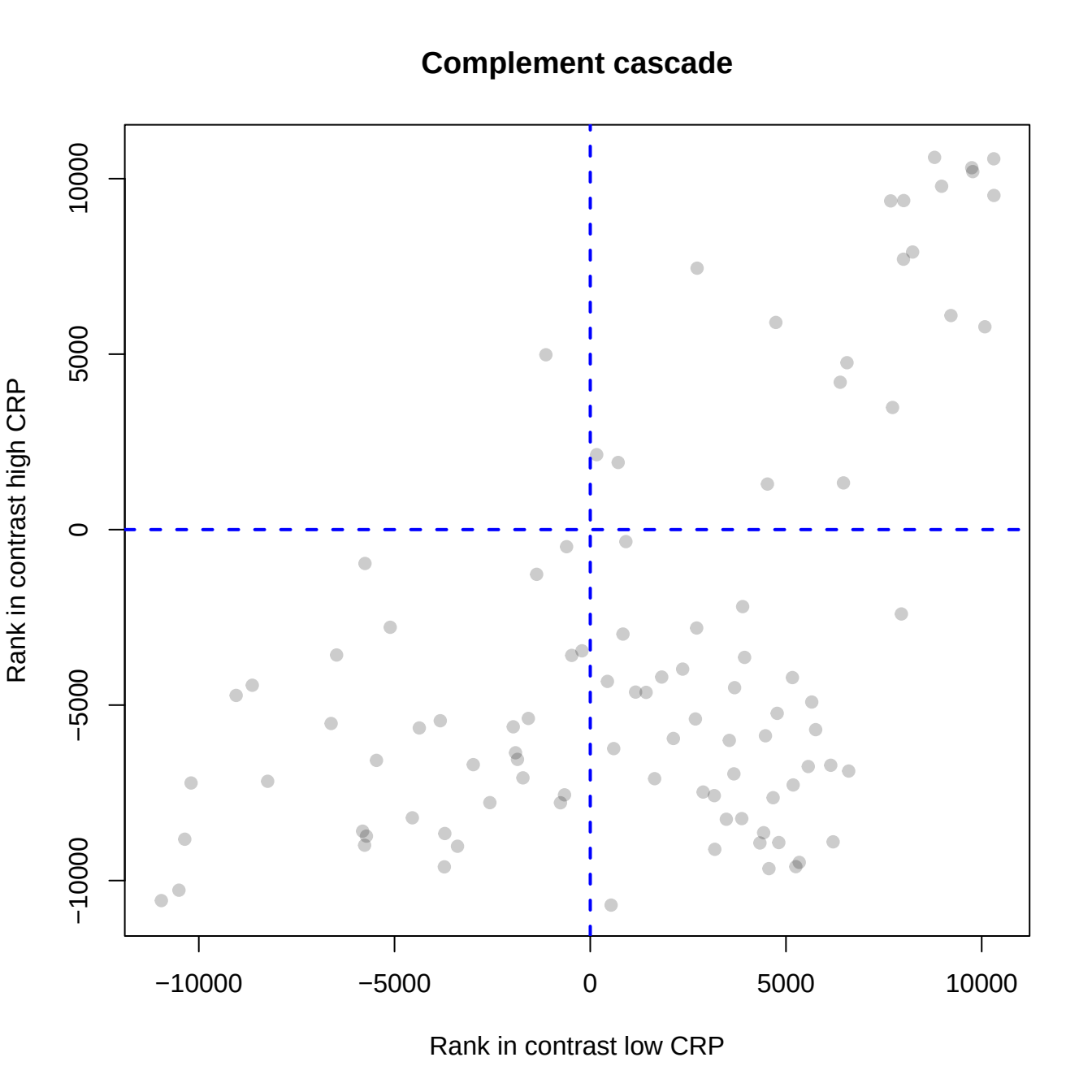

HDMs demethylate histones
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

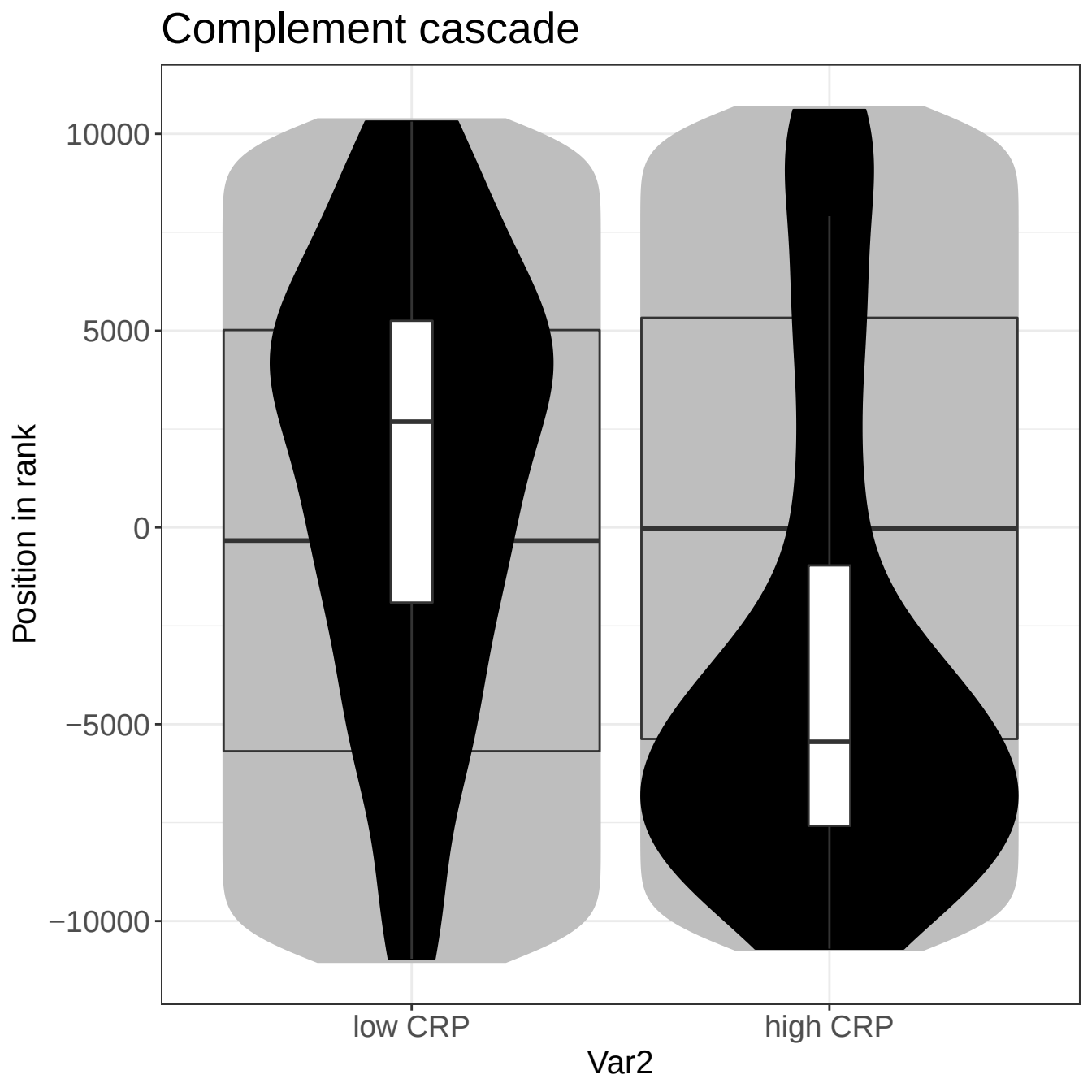

Trafficking of GluR2−containing AMPA receptors
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

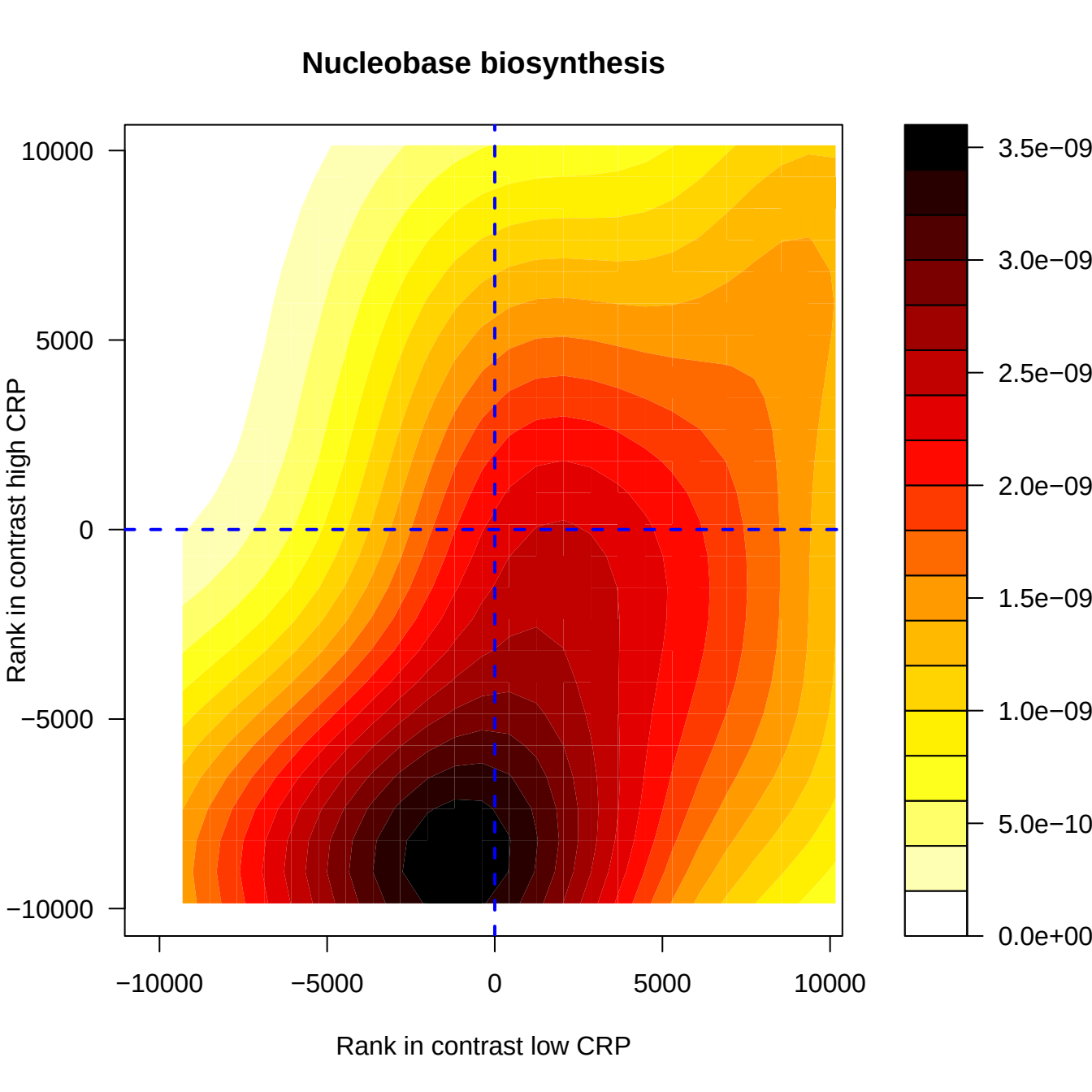

Trafficking of GluR2−containing AMPA receptors
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

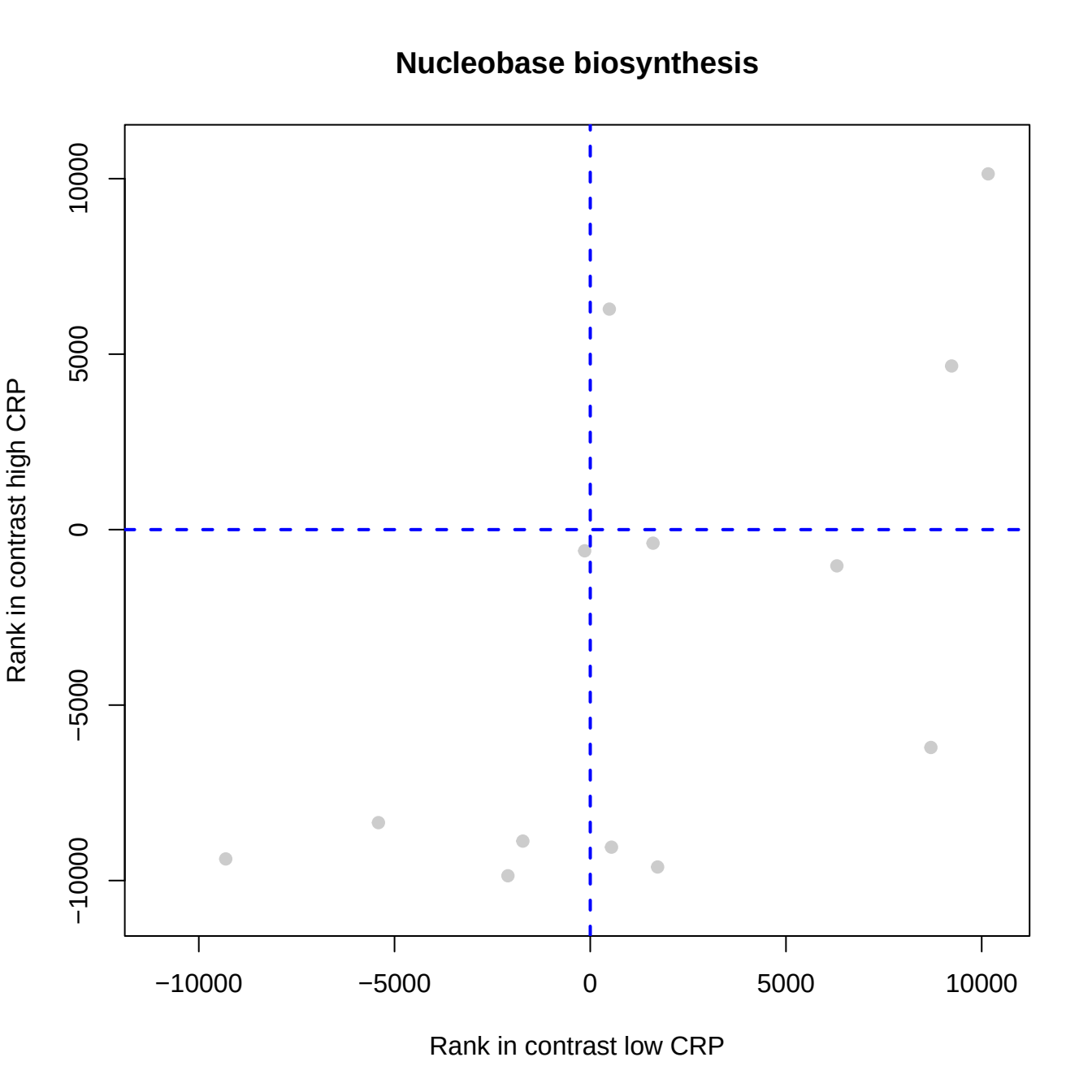

Trafficking of GluR2−containing AMPA receptors
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

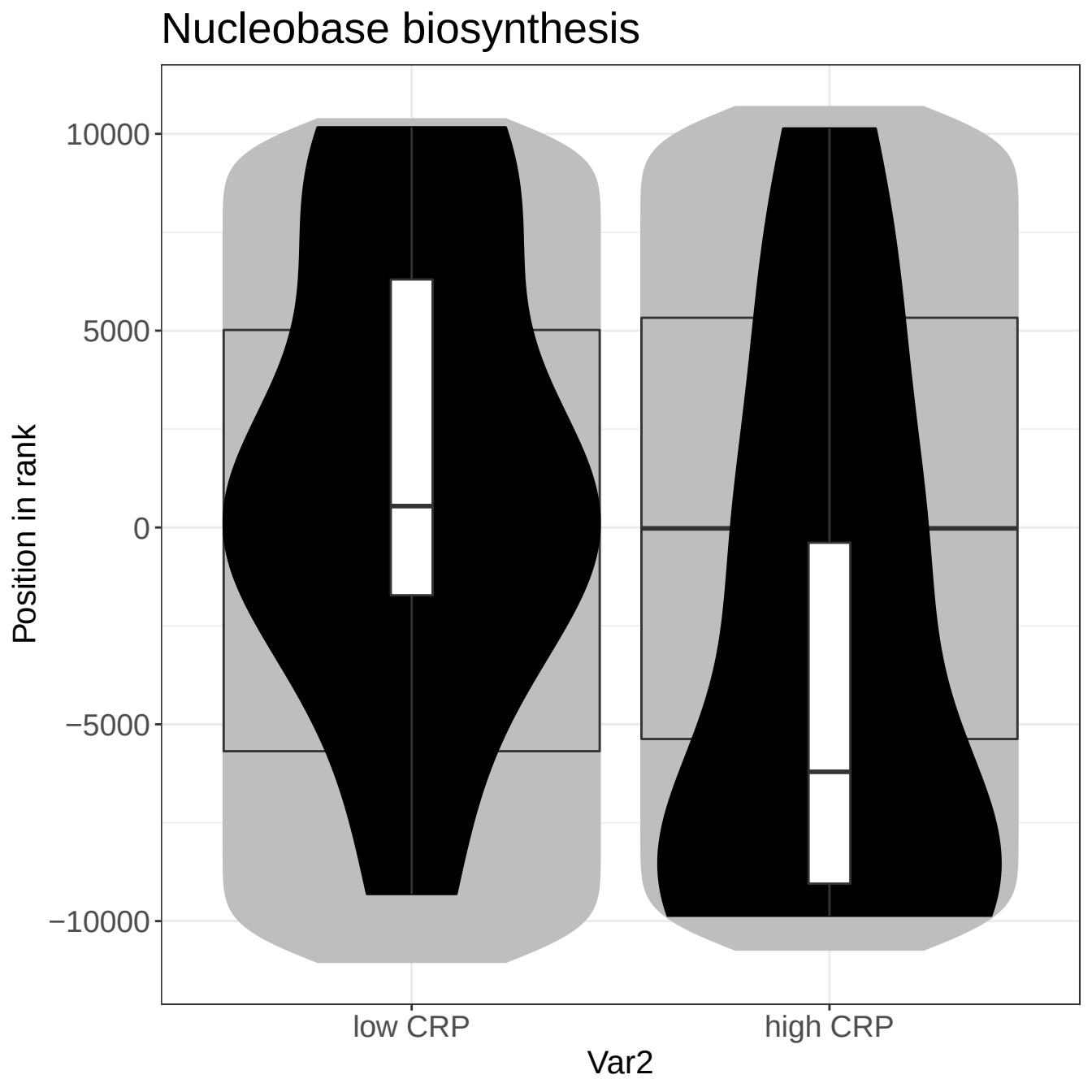

Complement cascade
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
7e−09
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

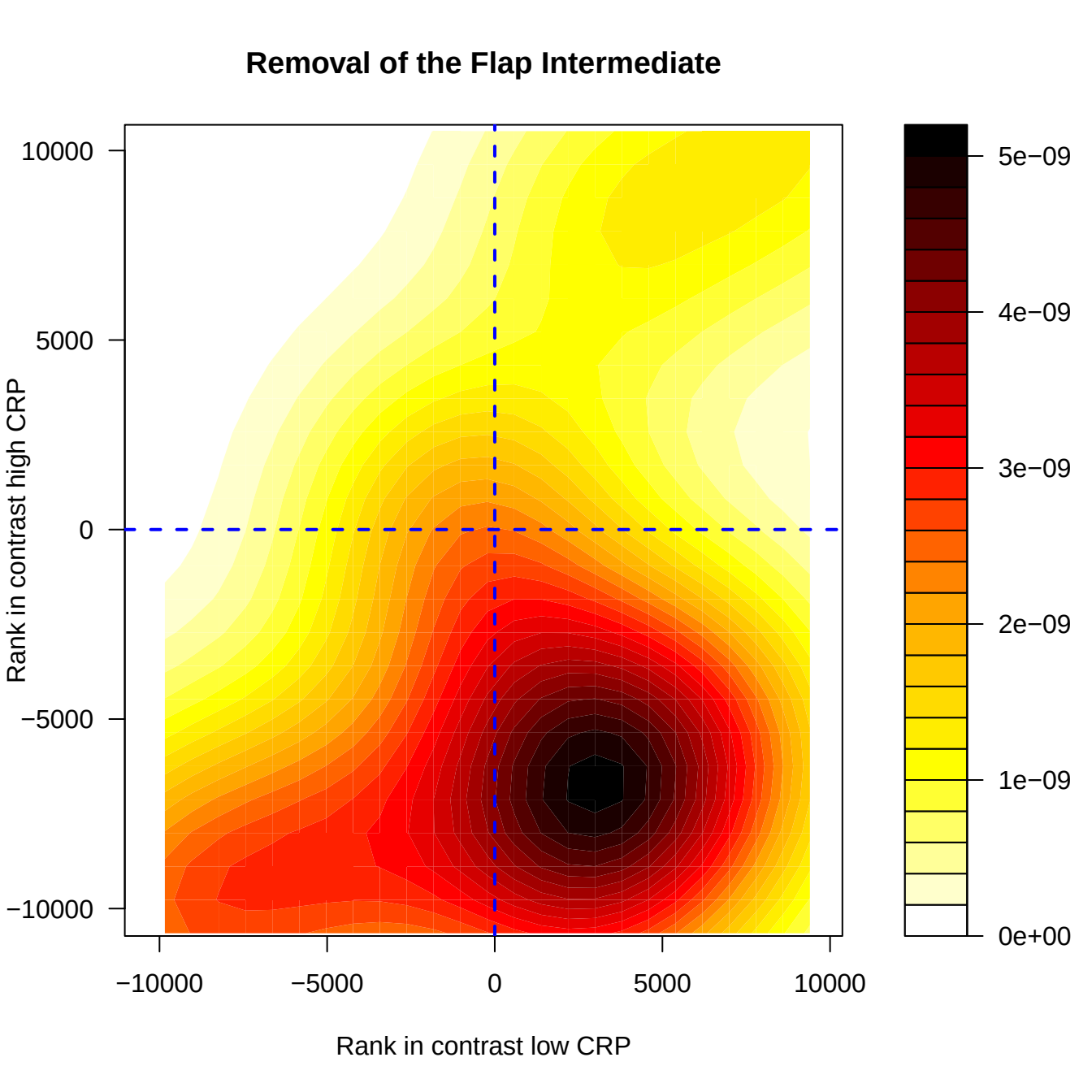

Complement cascade
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

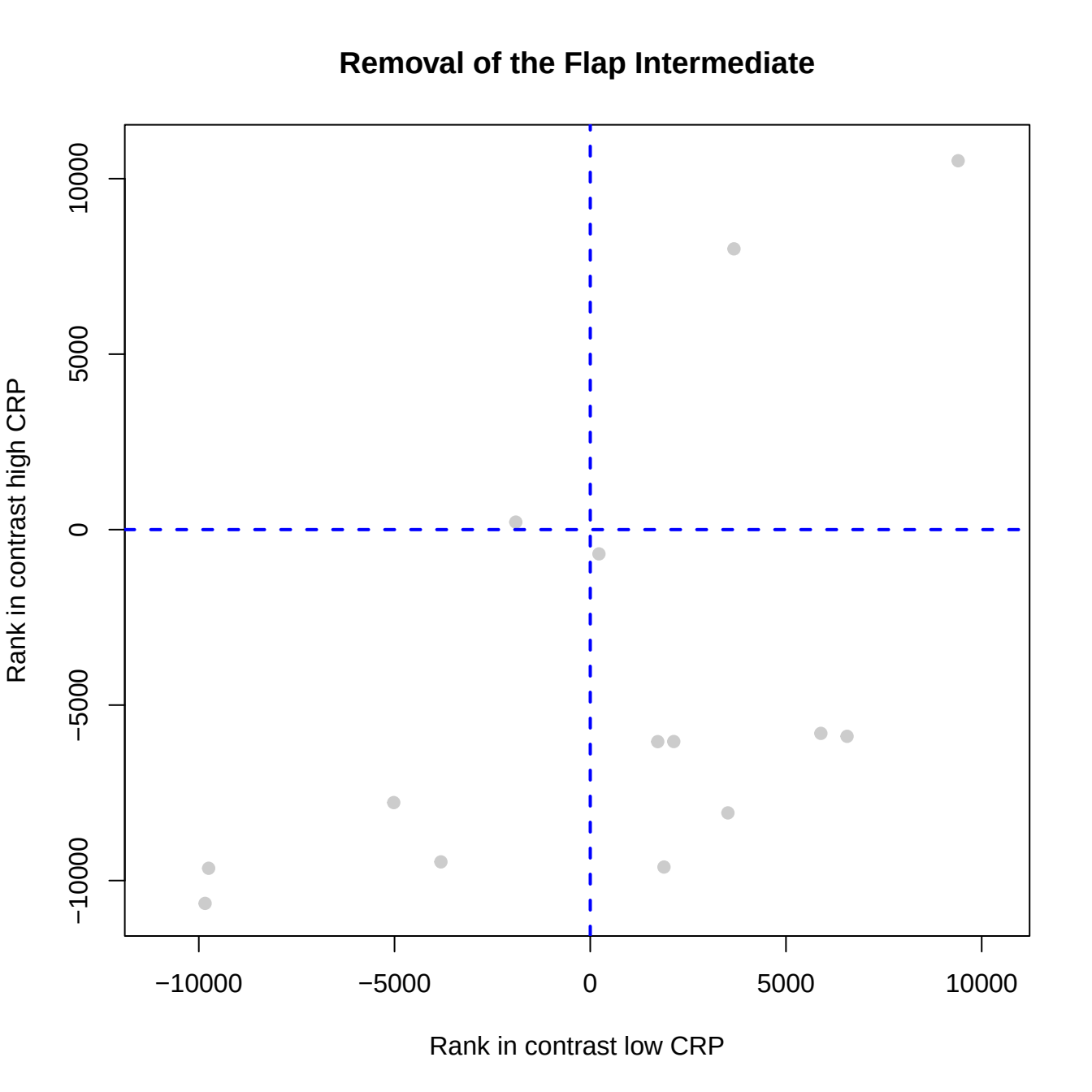

Complement cascade
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

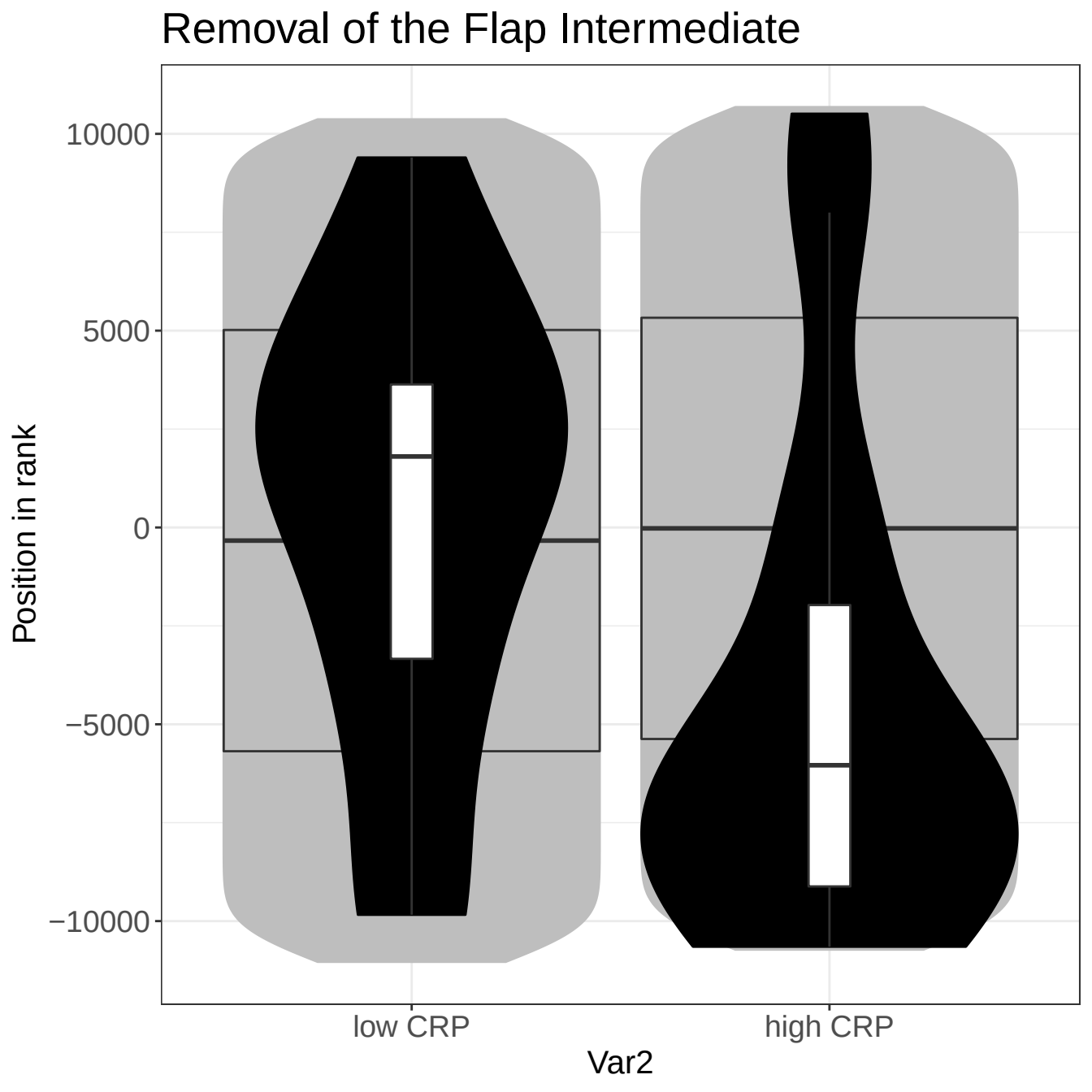

Nucleobase biosynthesis
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
3.5e−09
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

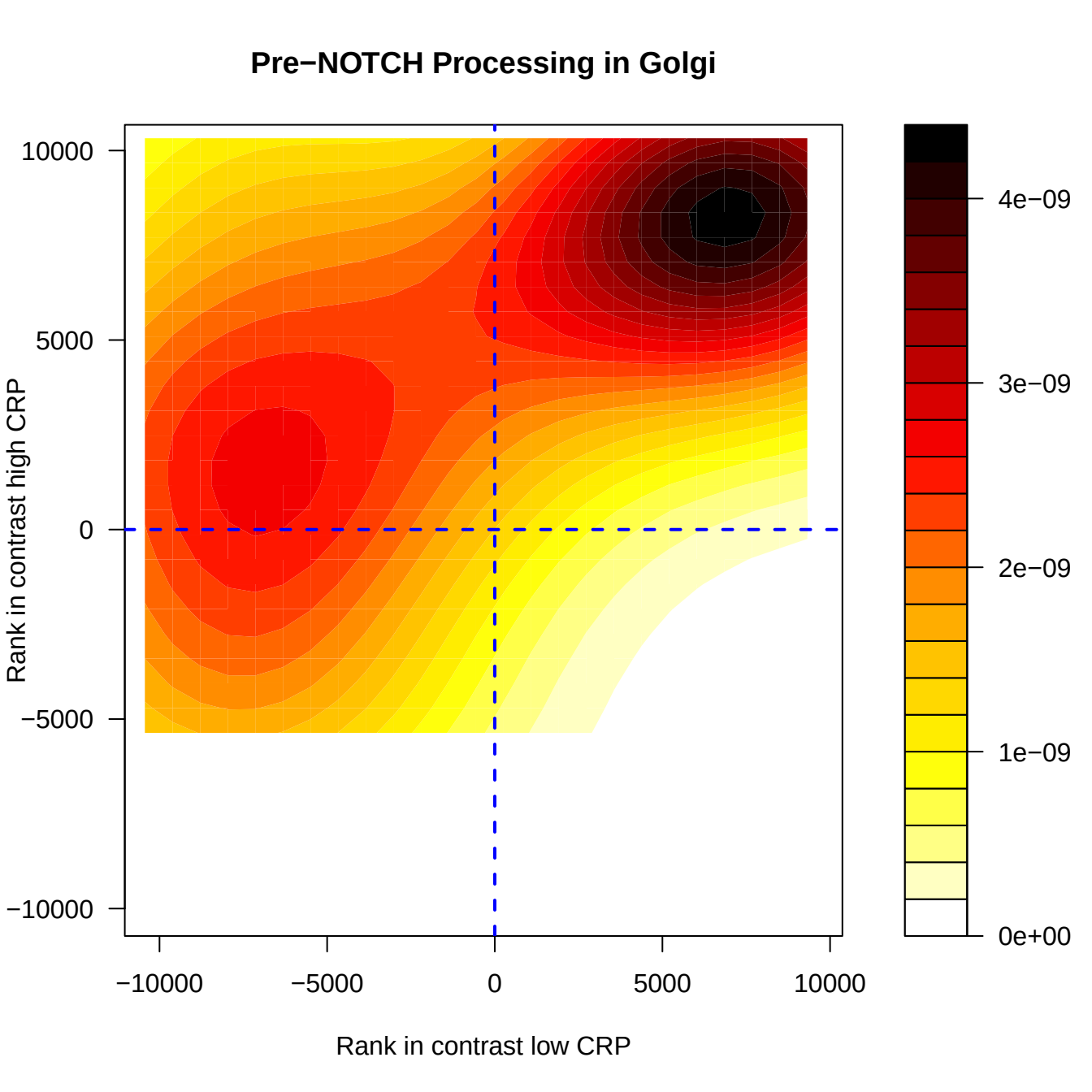

Nucleobase biosynthesis
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

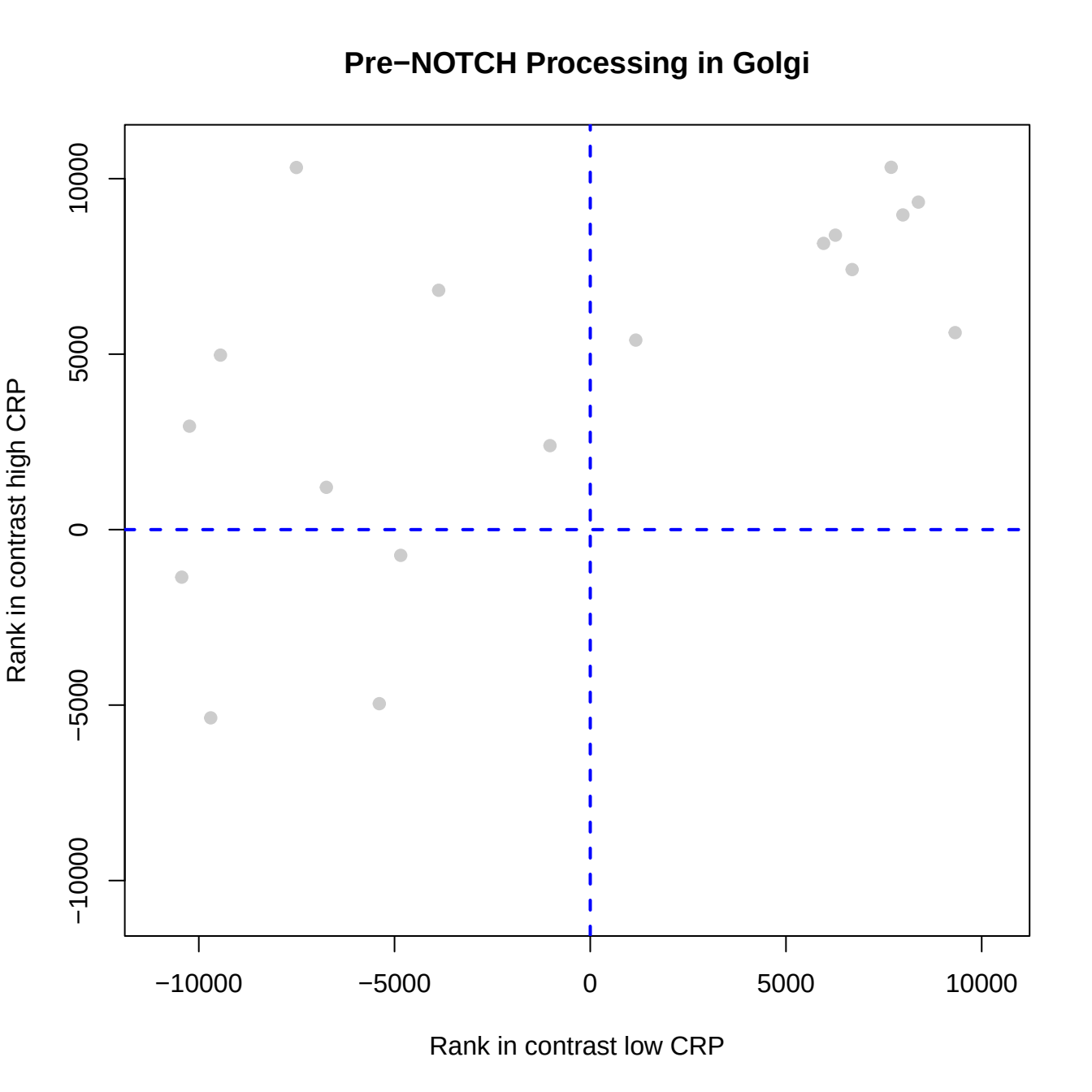

Nucleobase biosynthesis
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

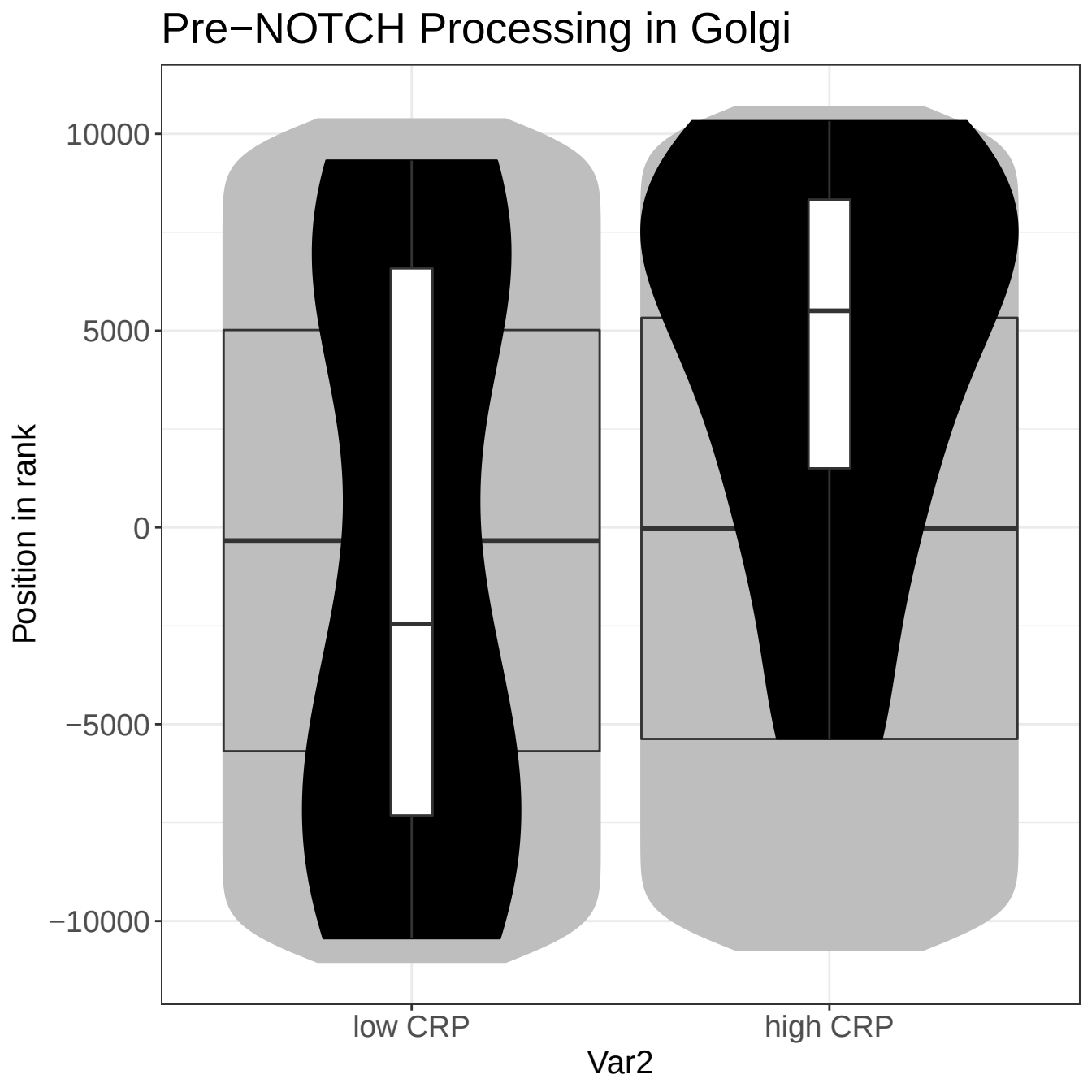

Removal of the Flap Intermediate
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

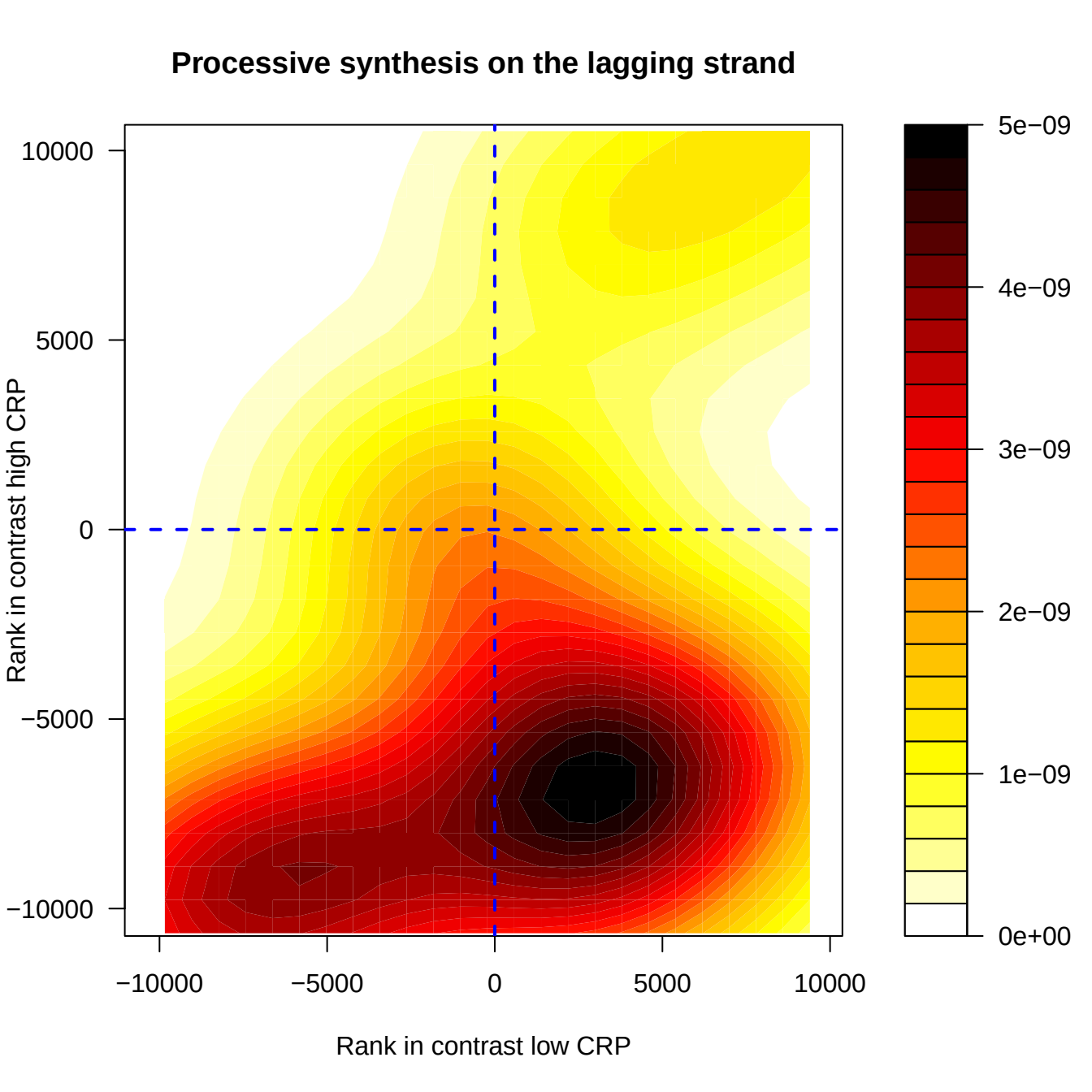

Removal of the Flap Intermediate
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

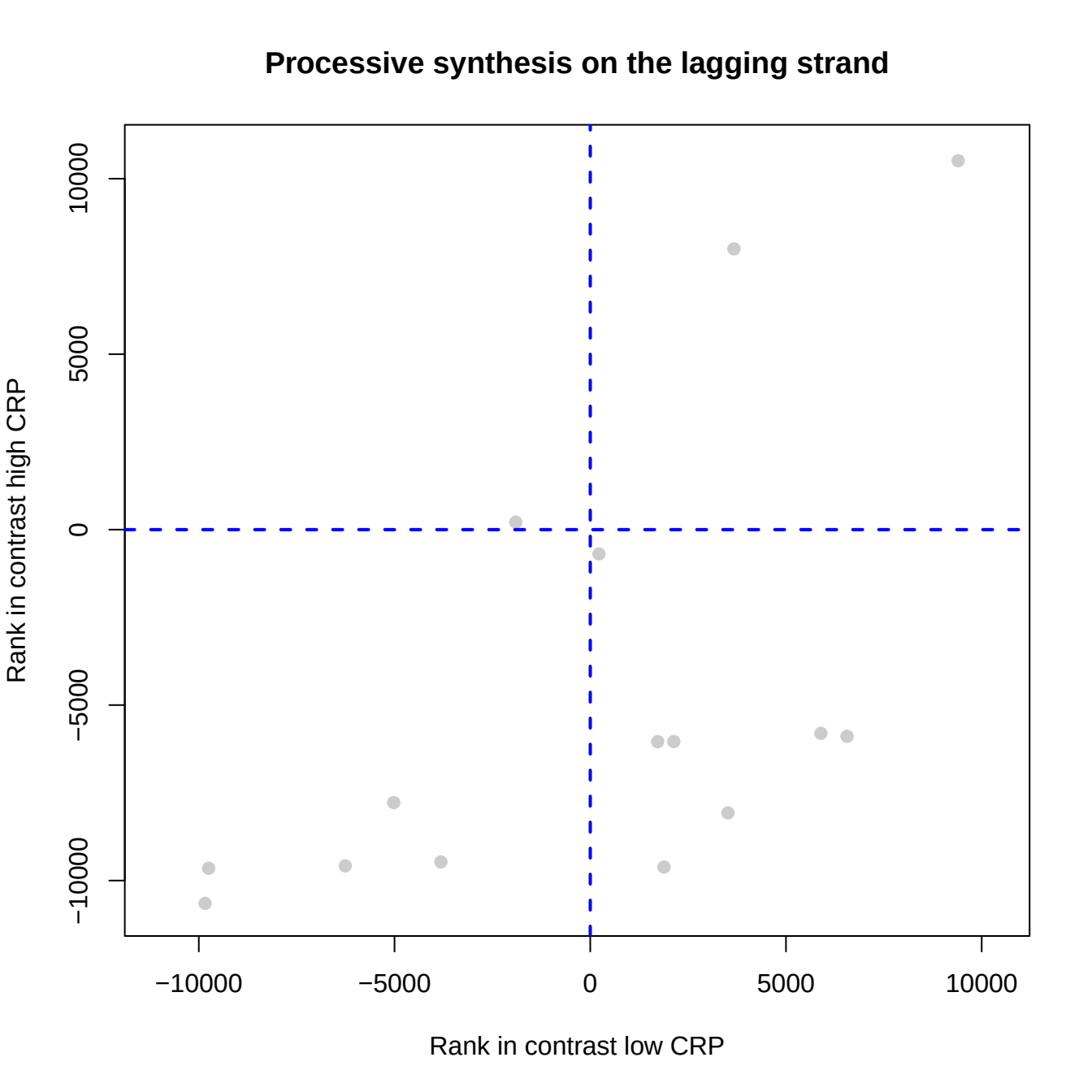

Removal of the Flap Intermediate
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

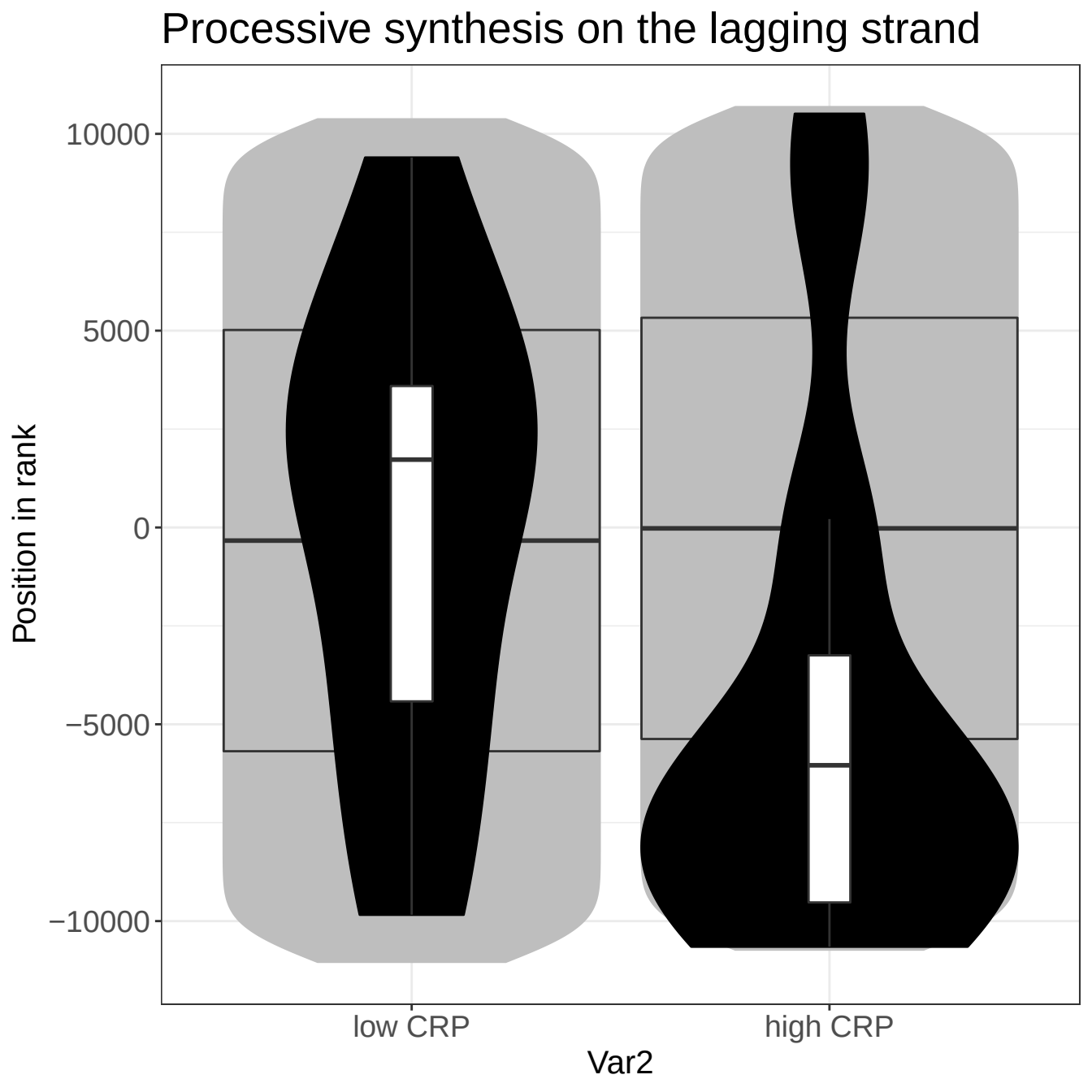

Pre−NOTCH Processing in Golgi
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
4e−09
3e−09
2e−09
1e−09
0e+00

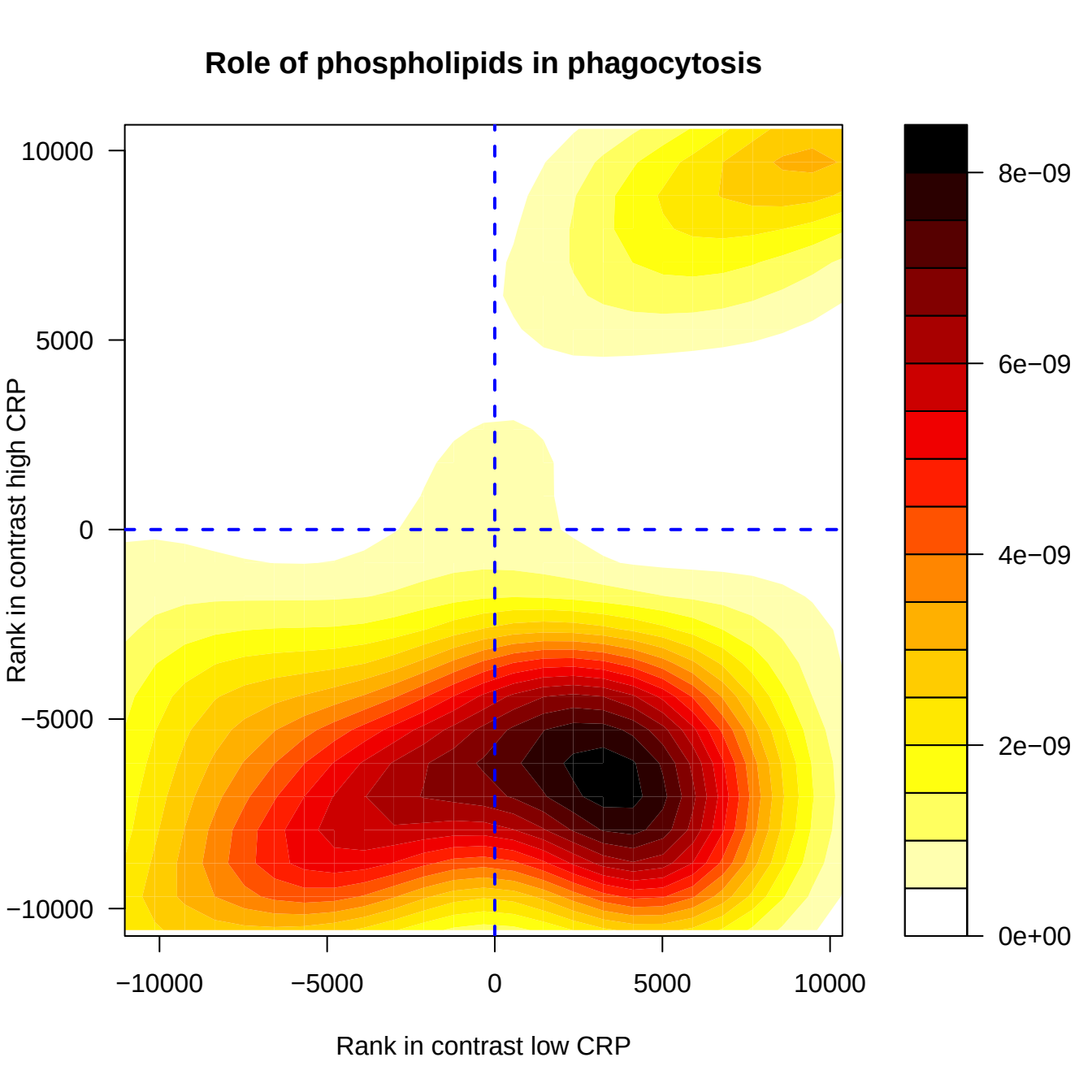

Pre−NOTCH Processing in Golgi
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

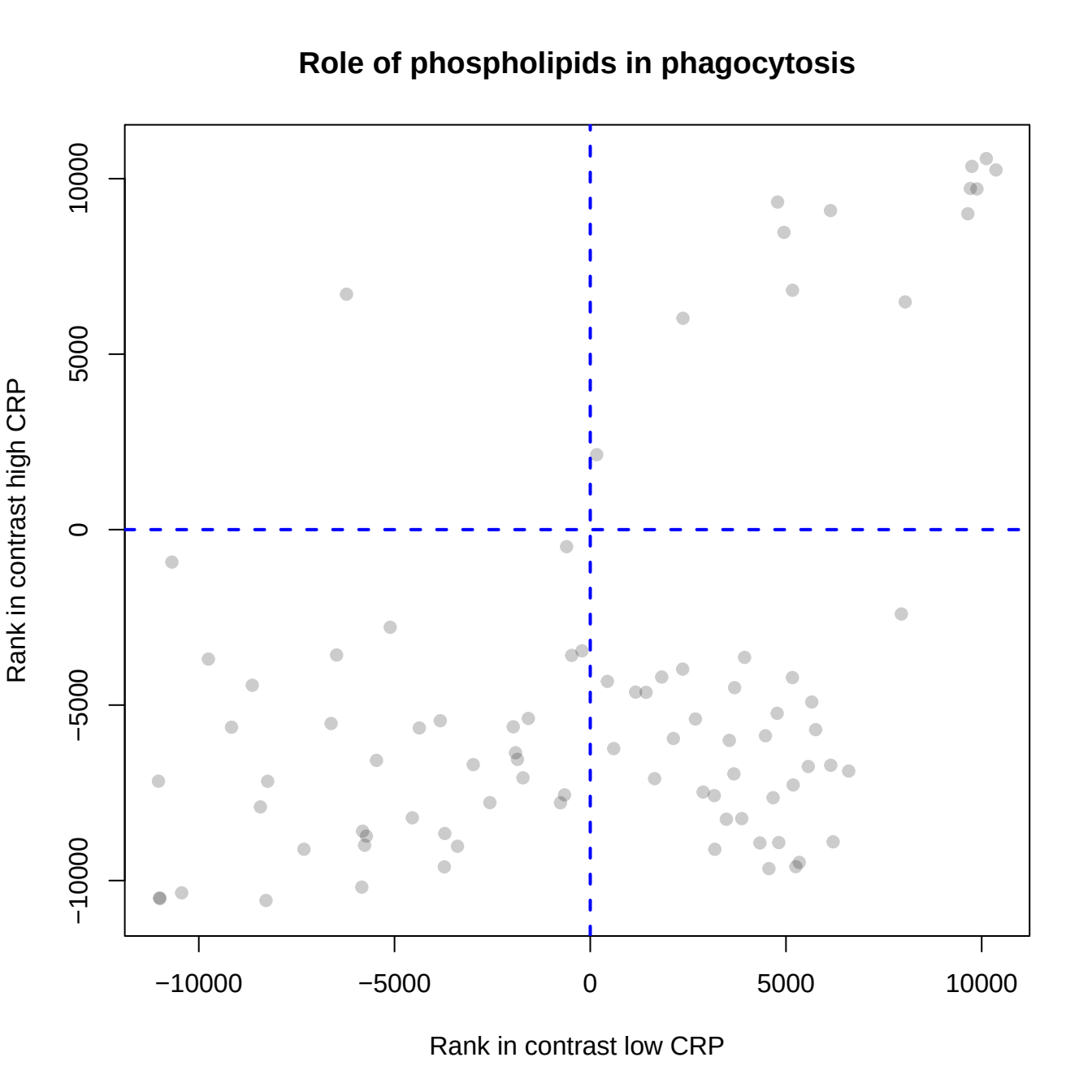

Pre−NOTCH Processing in Golgi
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

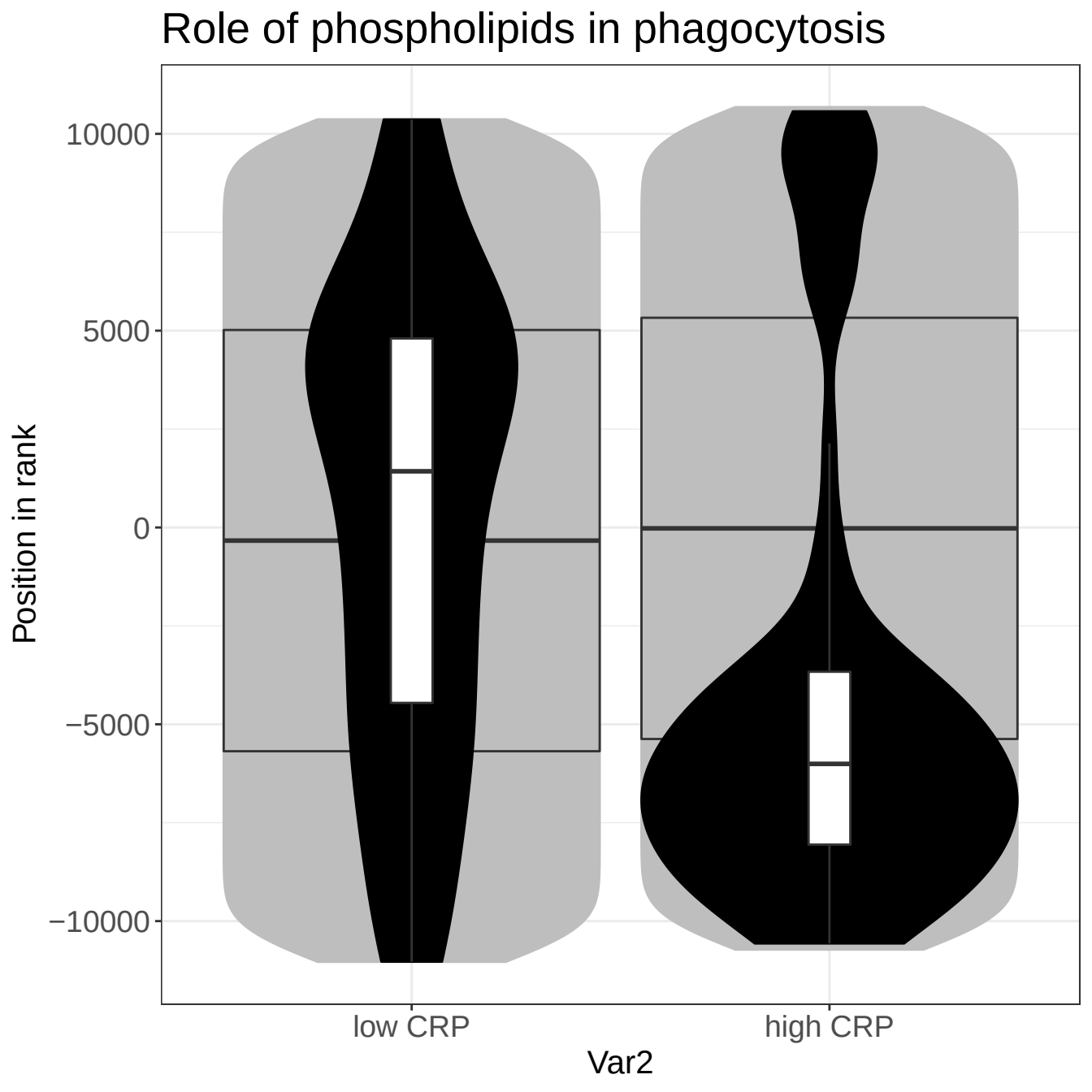

Processive synthesis on the lagging strand
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

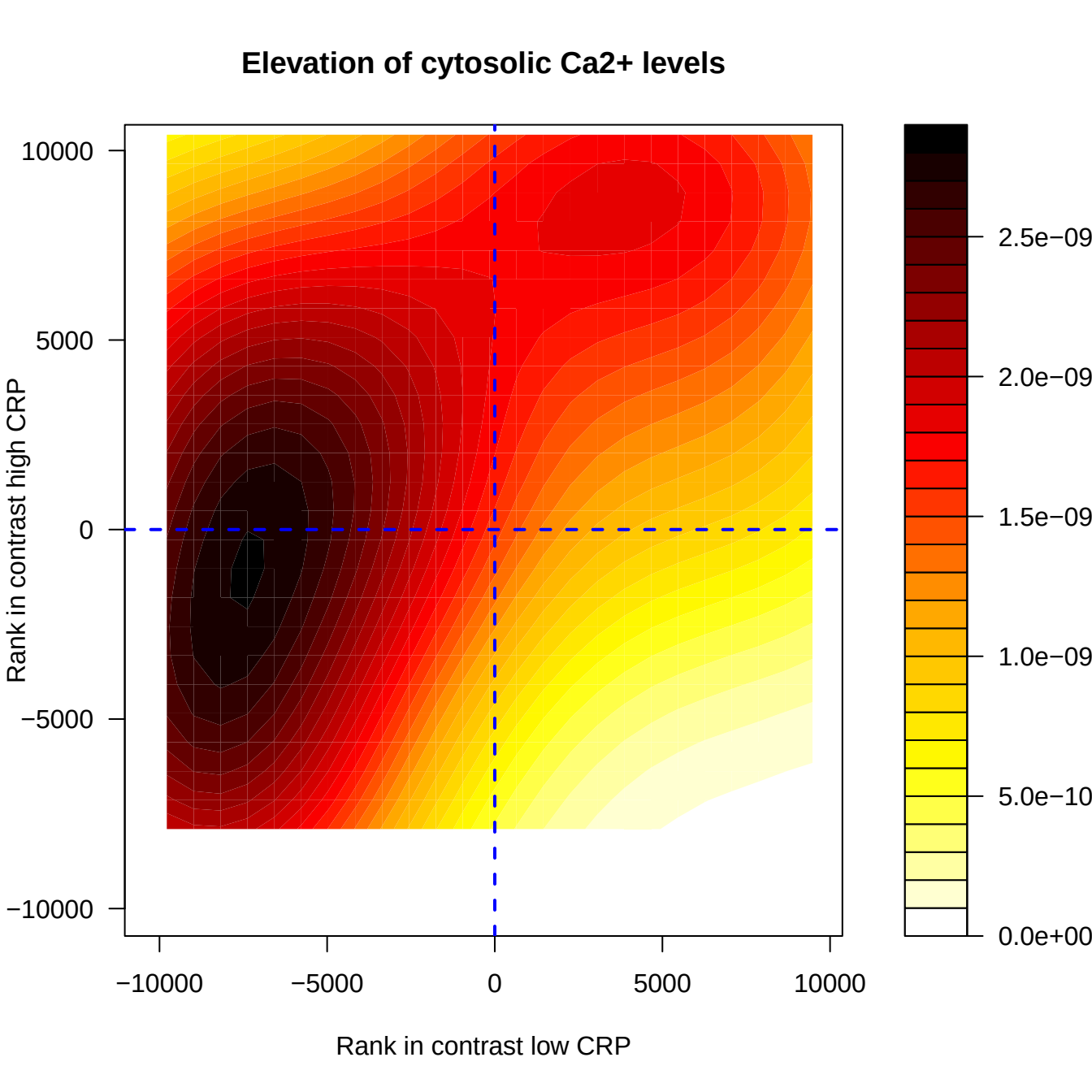

Processive synthesis on the lagging strand
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

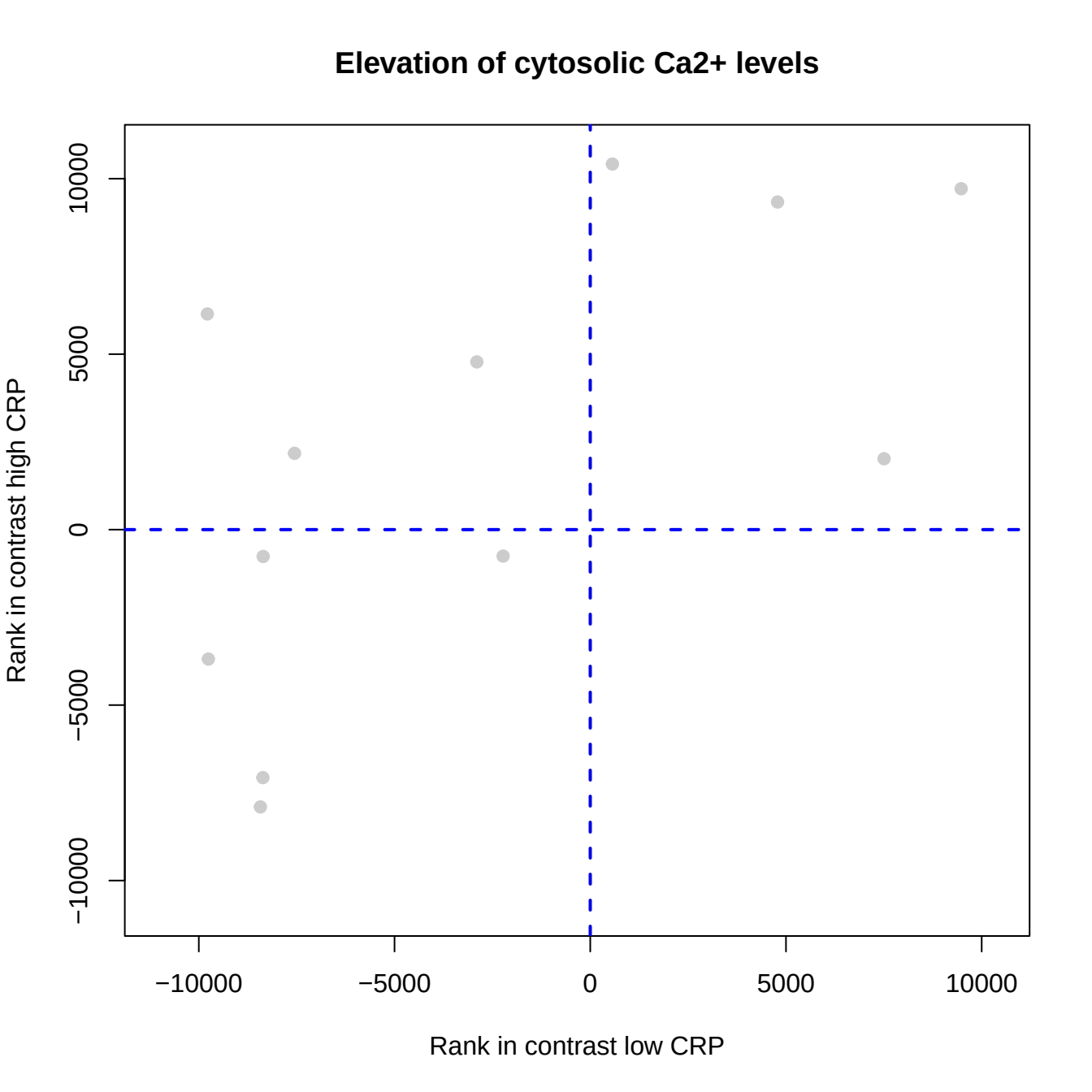

Processive synthesis on the lagging strand
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

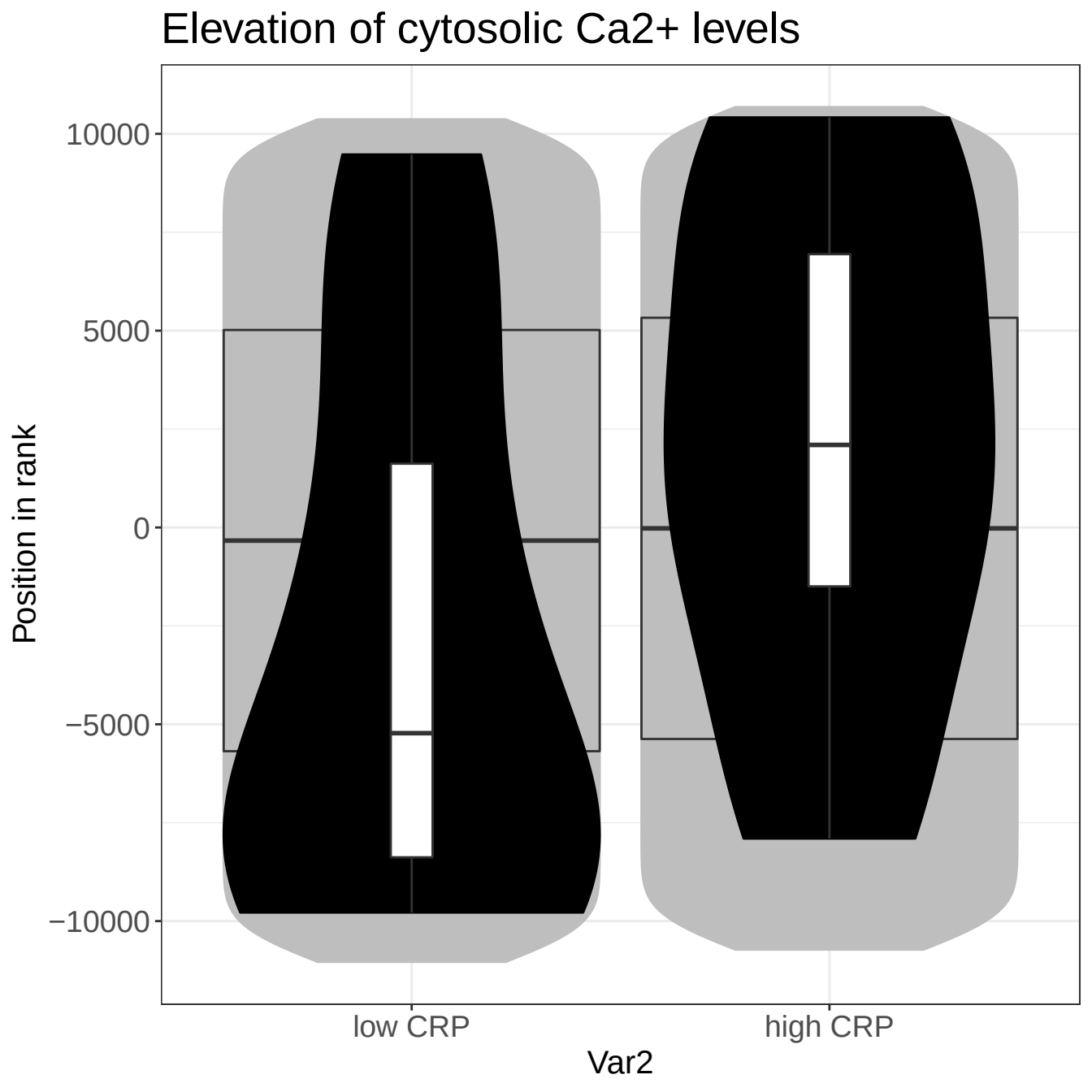

Role of phospholipids in phagocytosis
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
8e−09
6e−09
4e−09
2e−09
0e+00

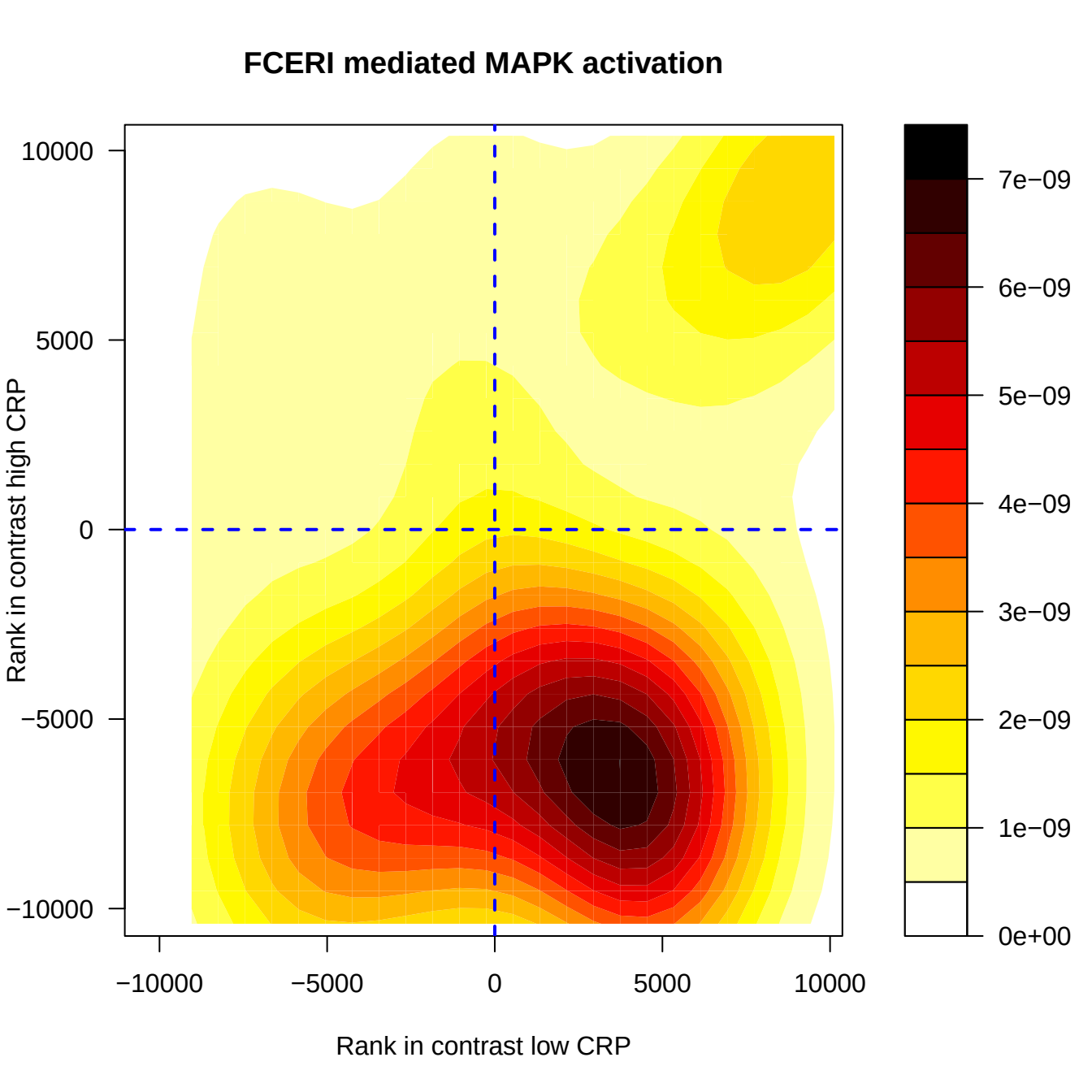

Role of phospholipids in phagocytosis
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

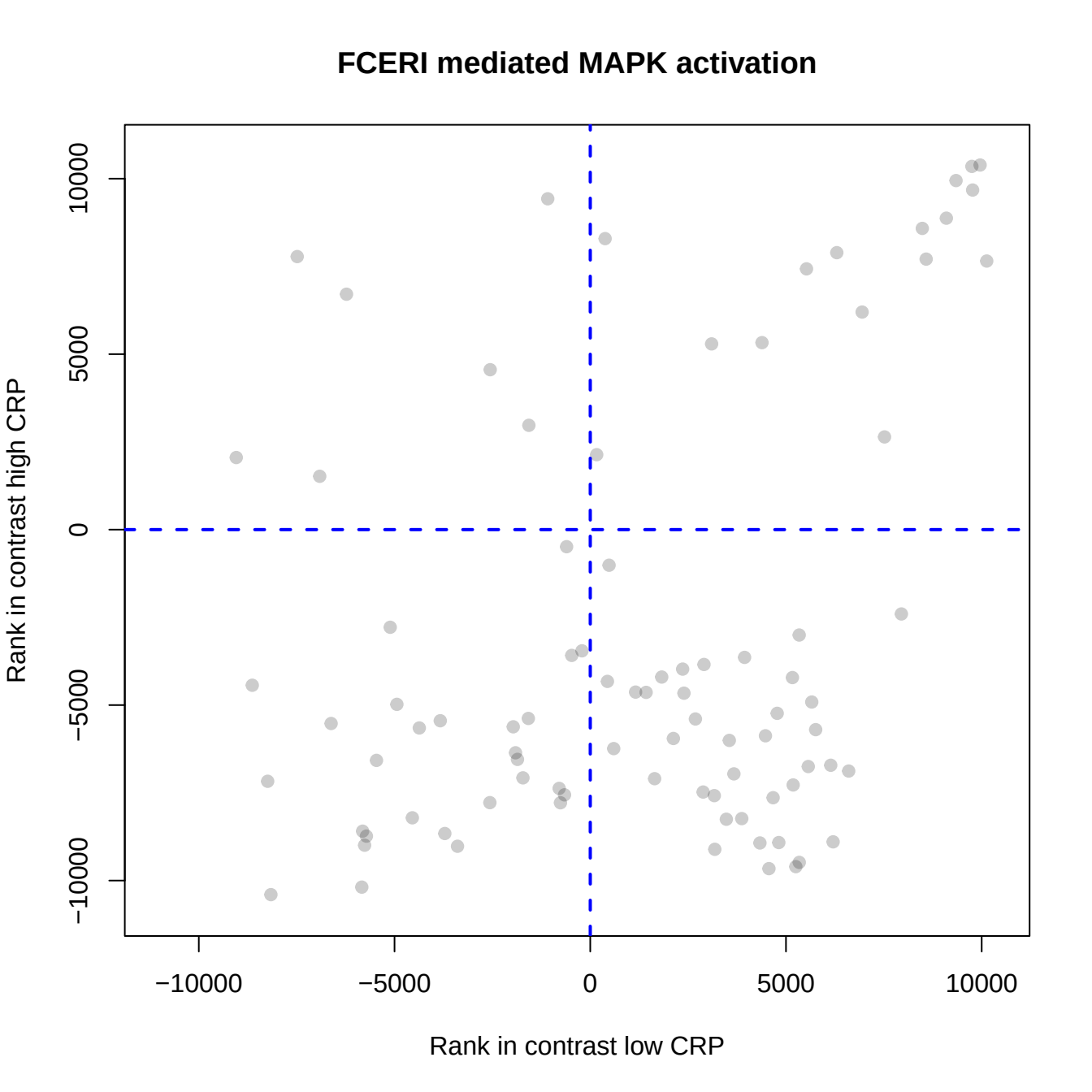

Role of phospholipids in phagocytosis
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

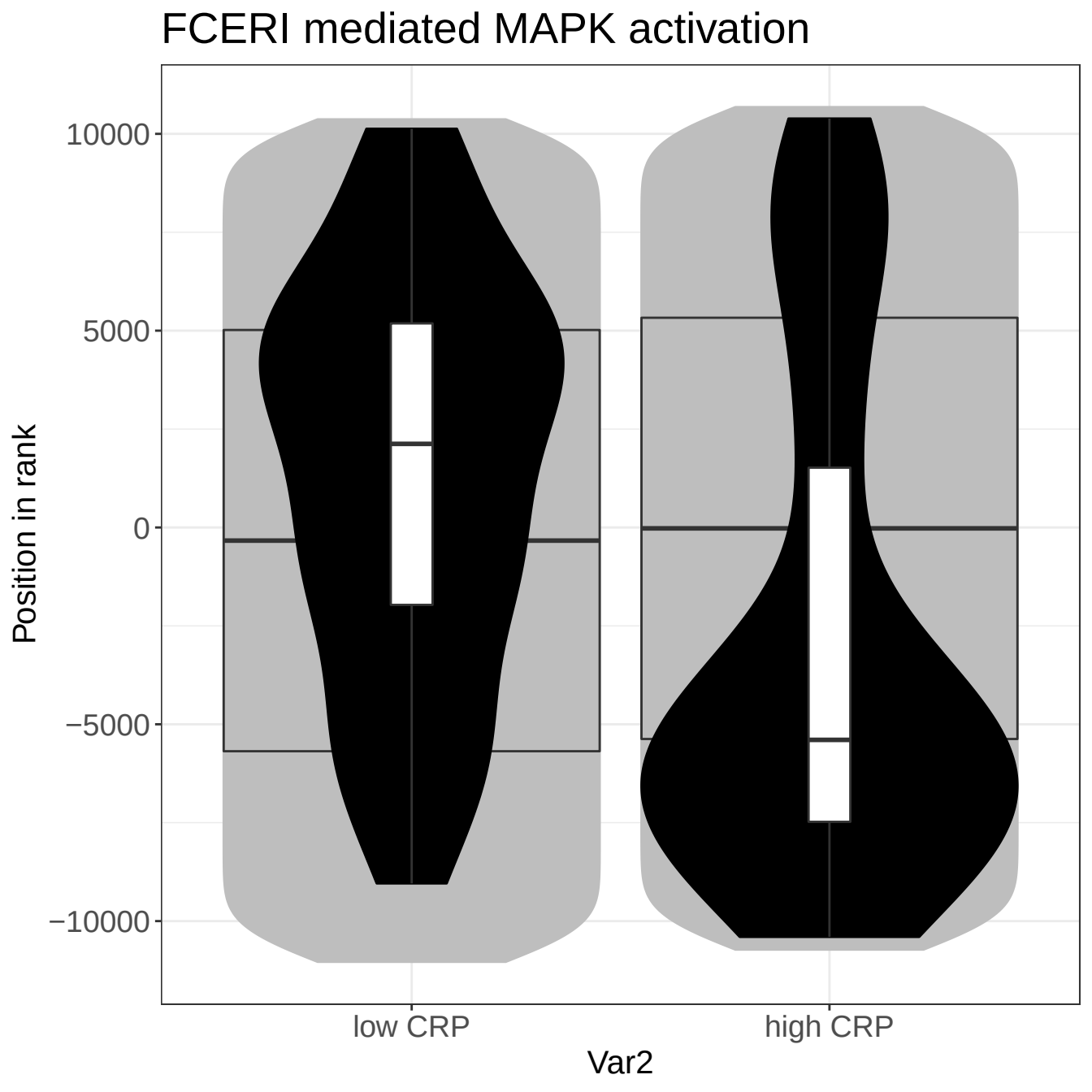

Elevation of cytosolic Ca2+ levels
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

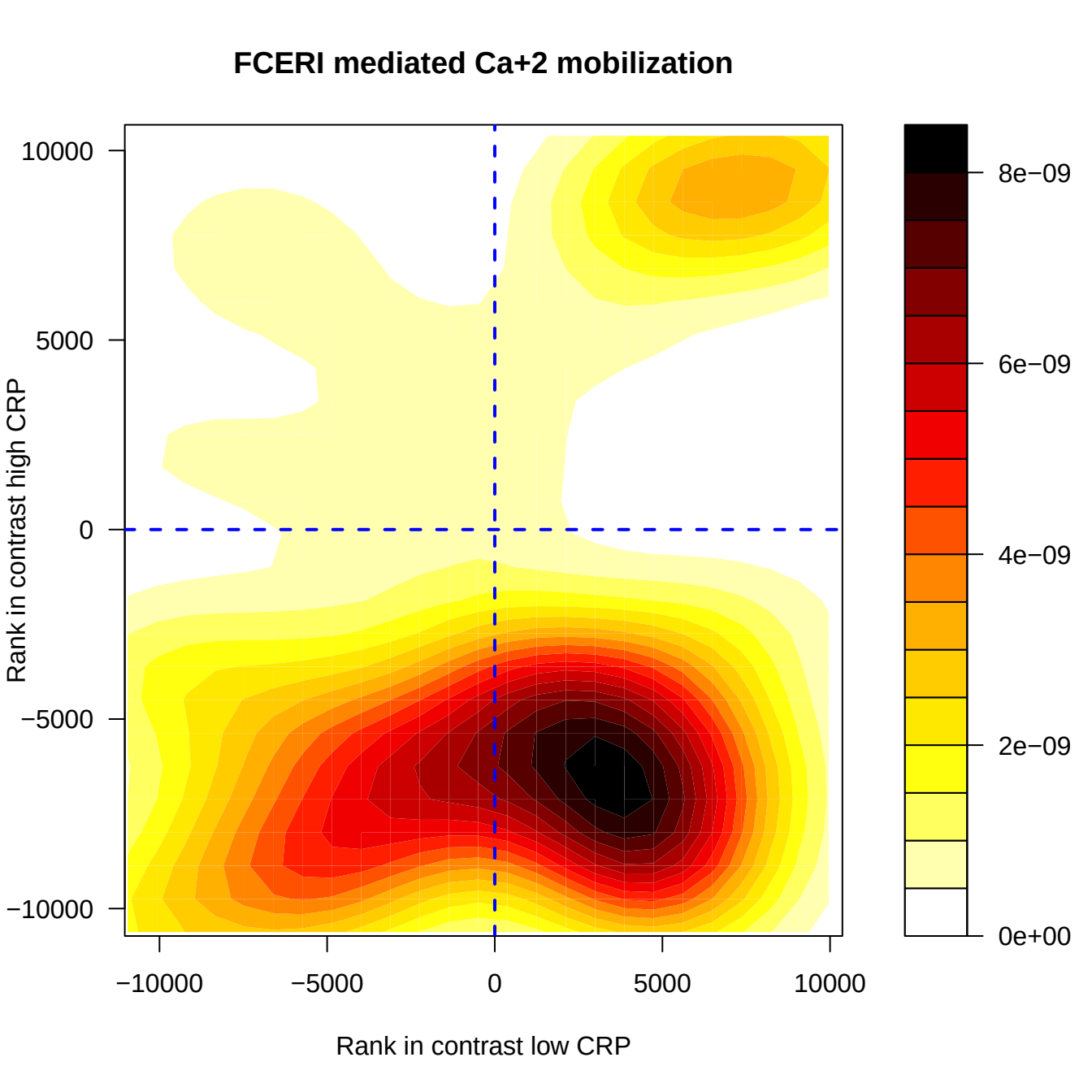

Elevation of cytosolic Ca2+ levels
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

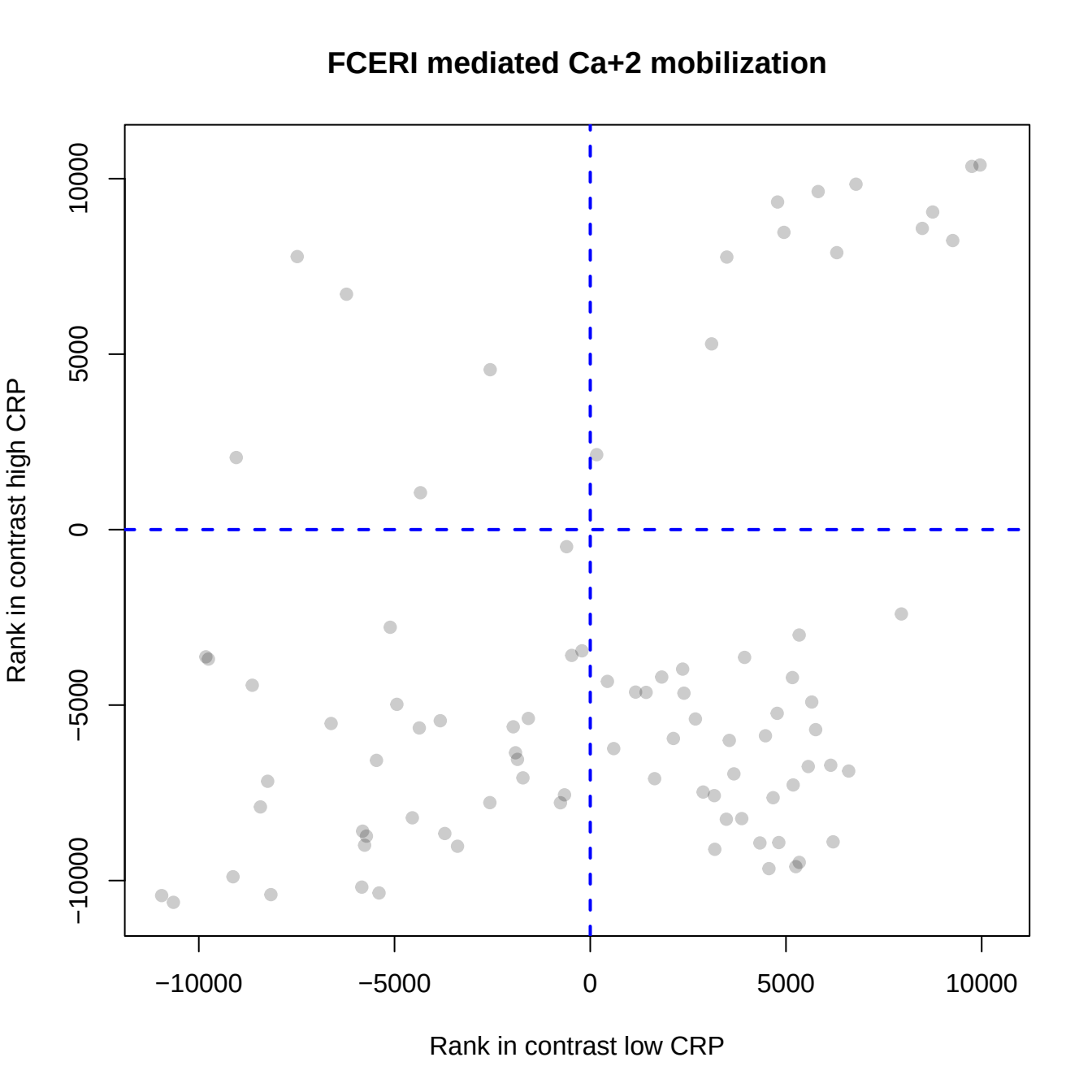

Elevation of cytosolic Ca2+ levels
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

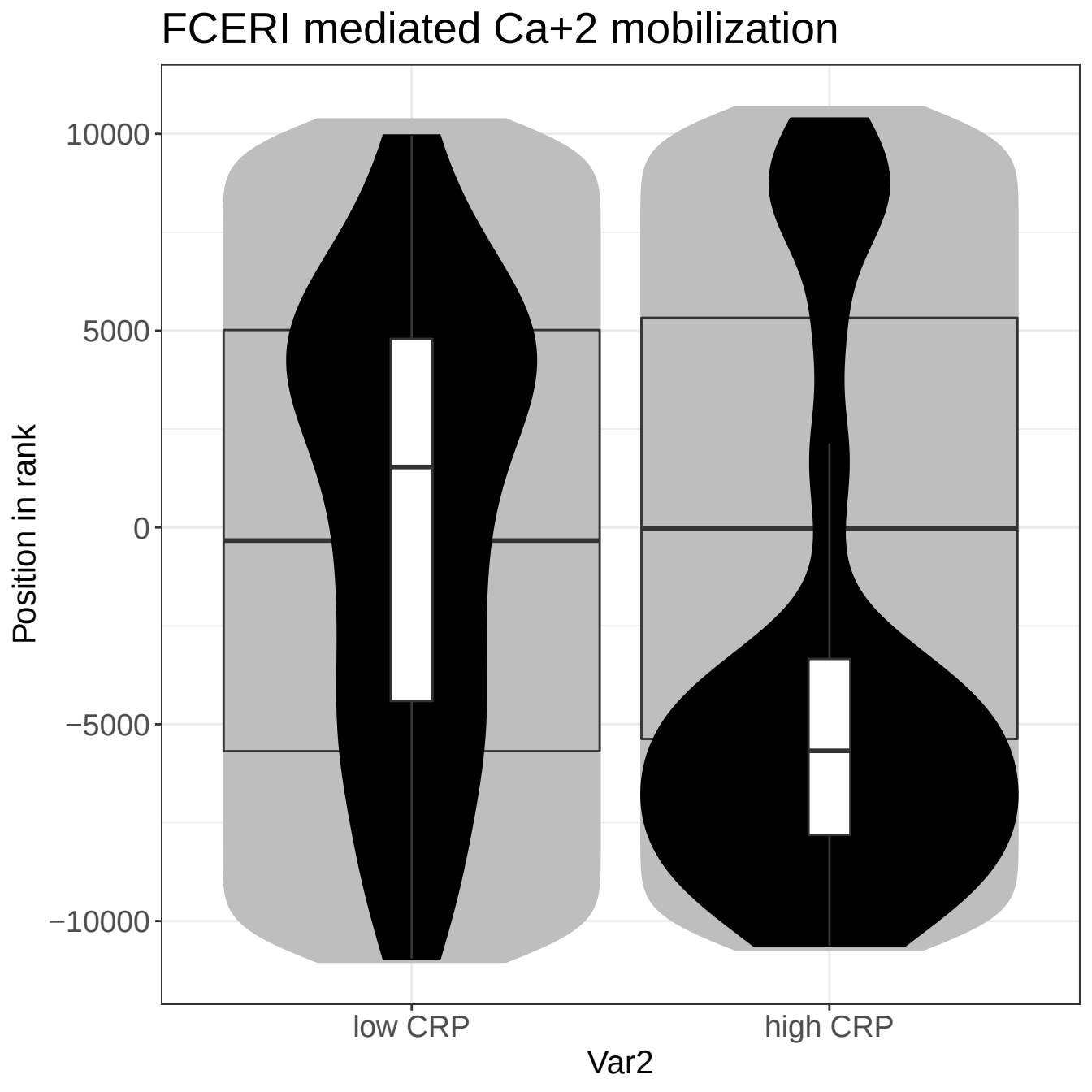

FCERI mediated MAPK activation
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
7e−09
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

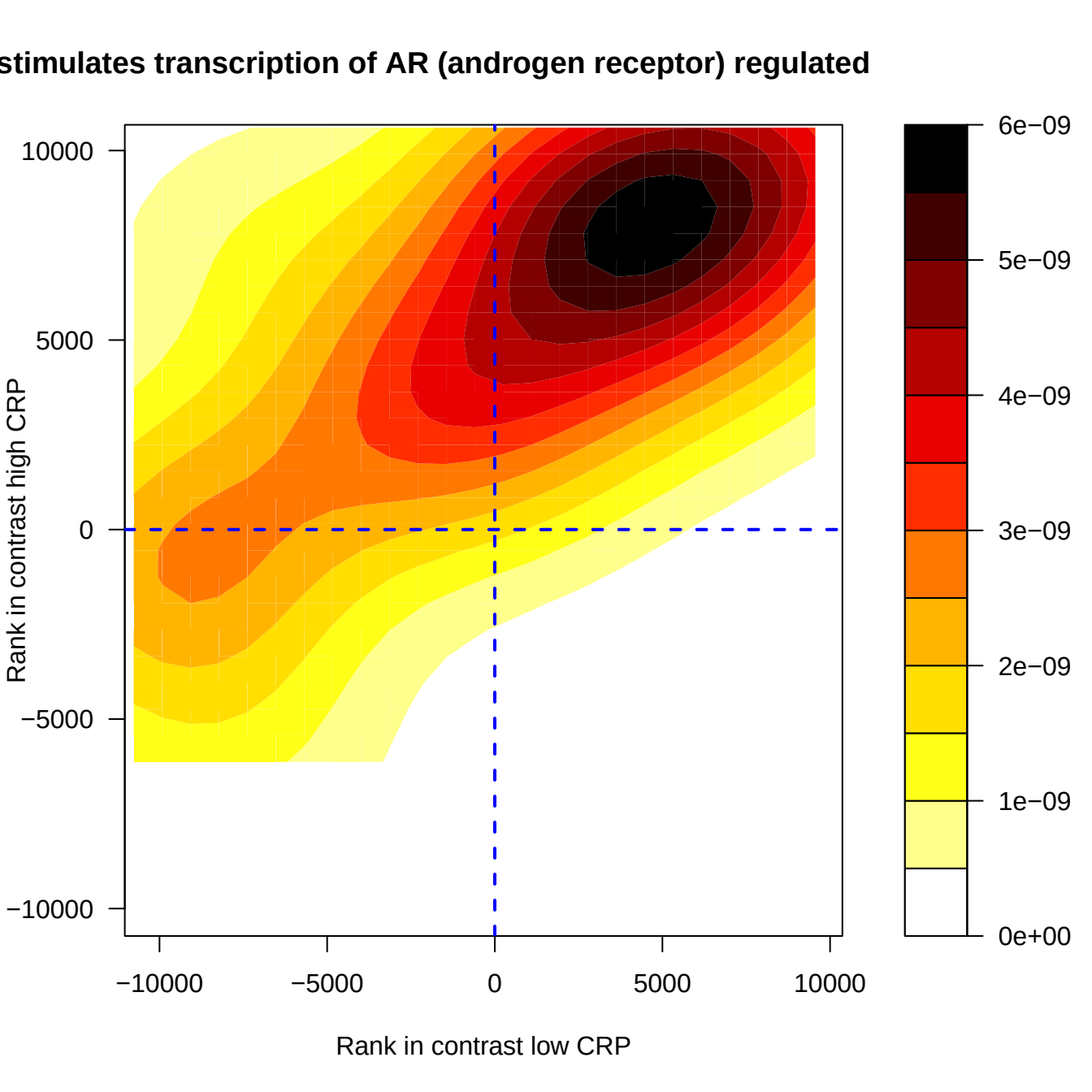

FCERI mediated MAPK activation
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

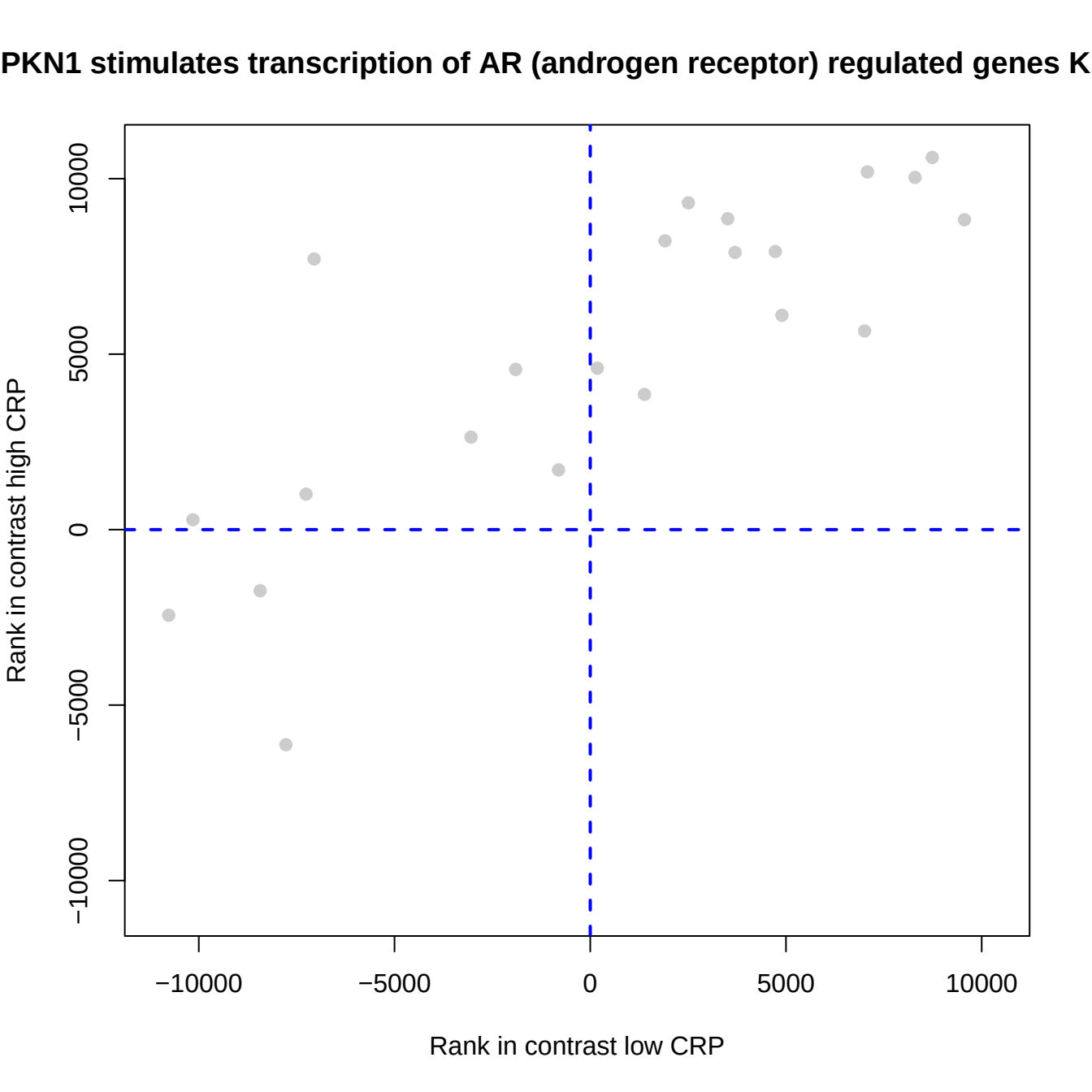

FCERI mediated MAPK activation
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

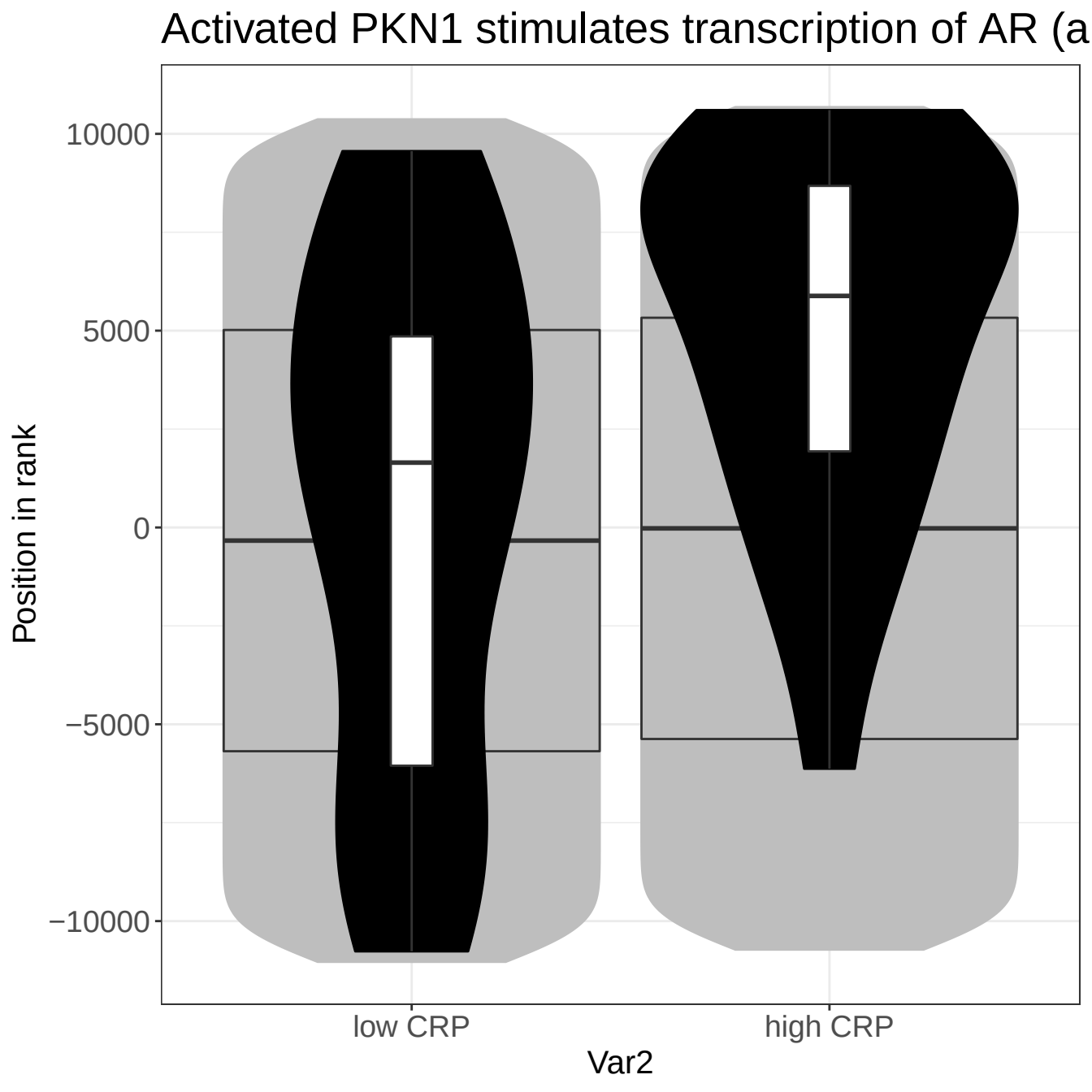

FCERI mediated Ca+2 mobilization
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
8e−09
6e−09
4e−09
2e−09
0e+00

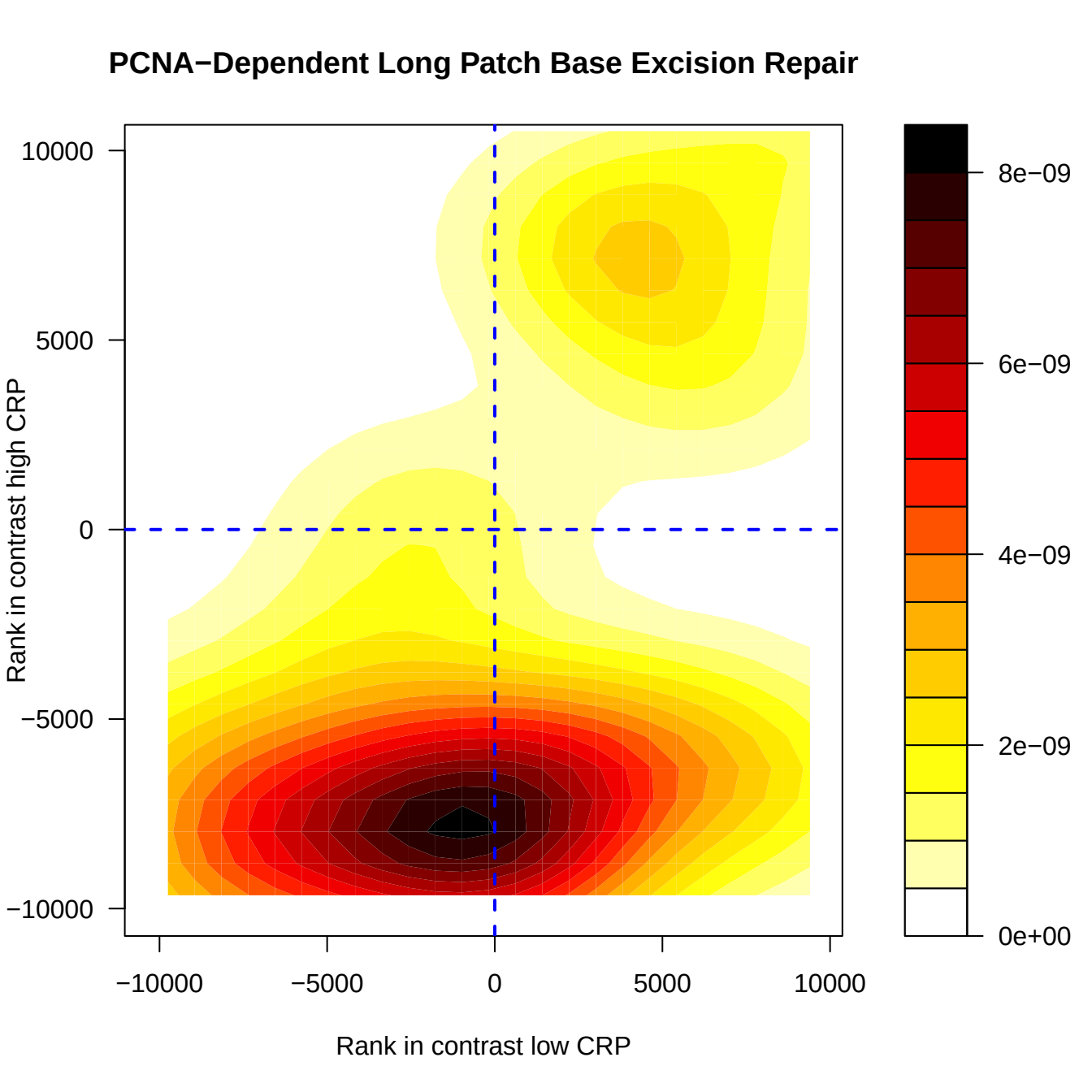

FCERI mediated Ca+2 mobilization
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

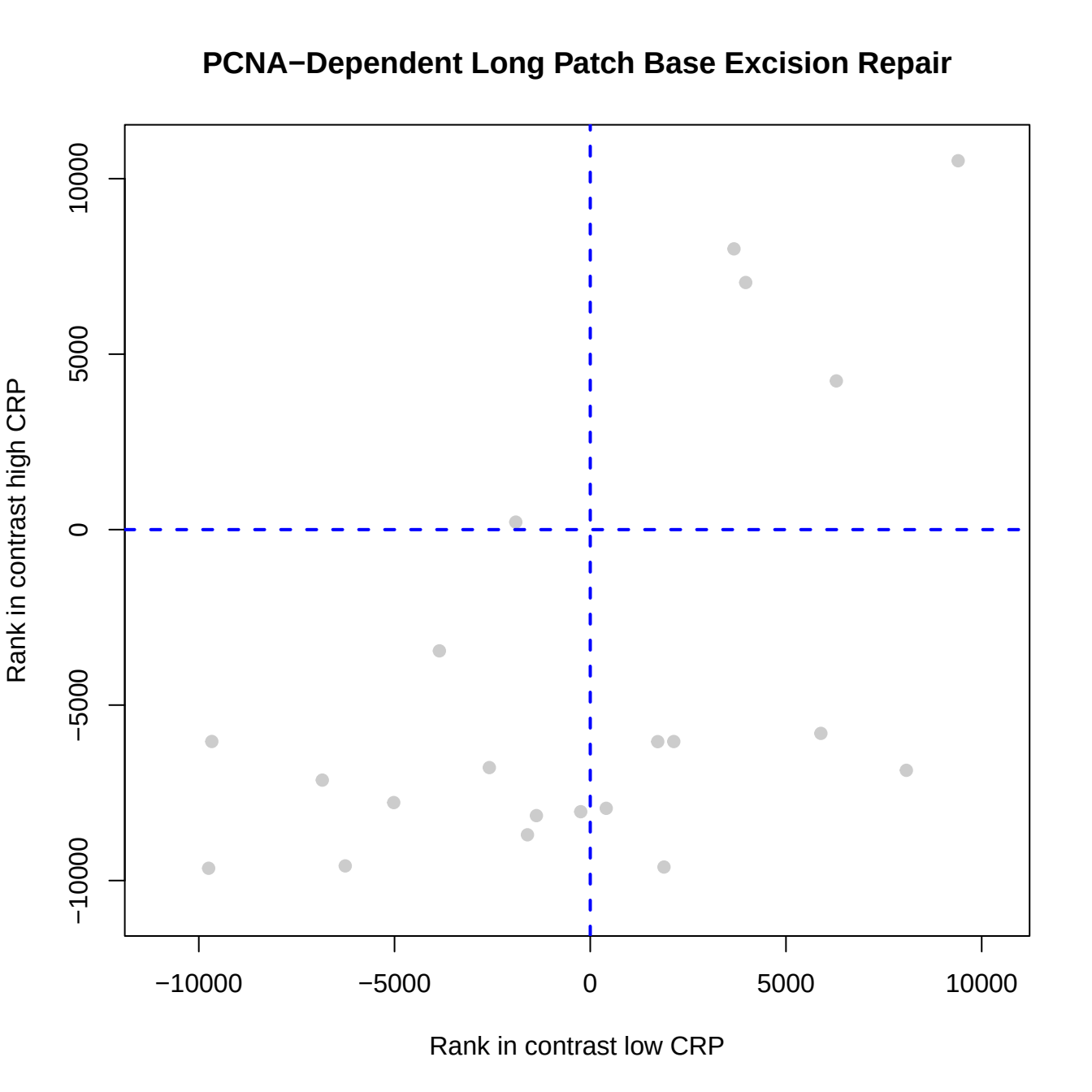

FCERI mediated Ca+2 mobilization
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

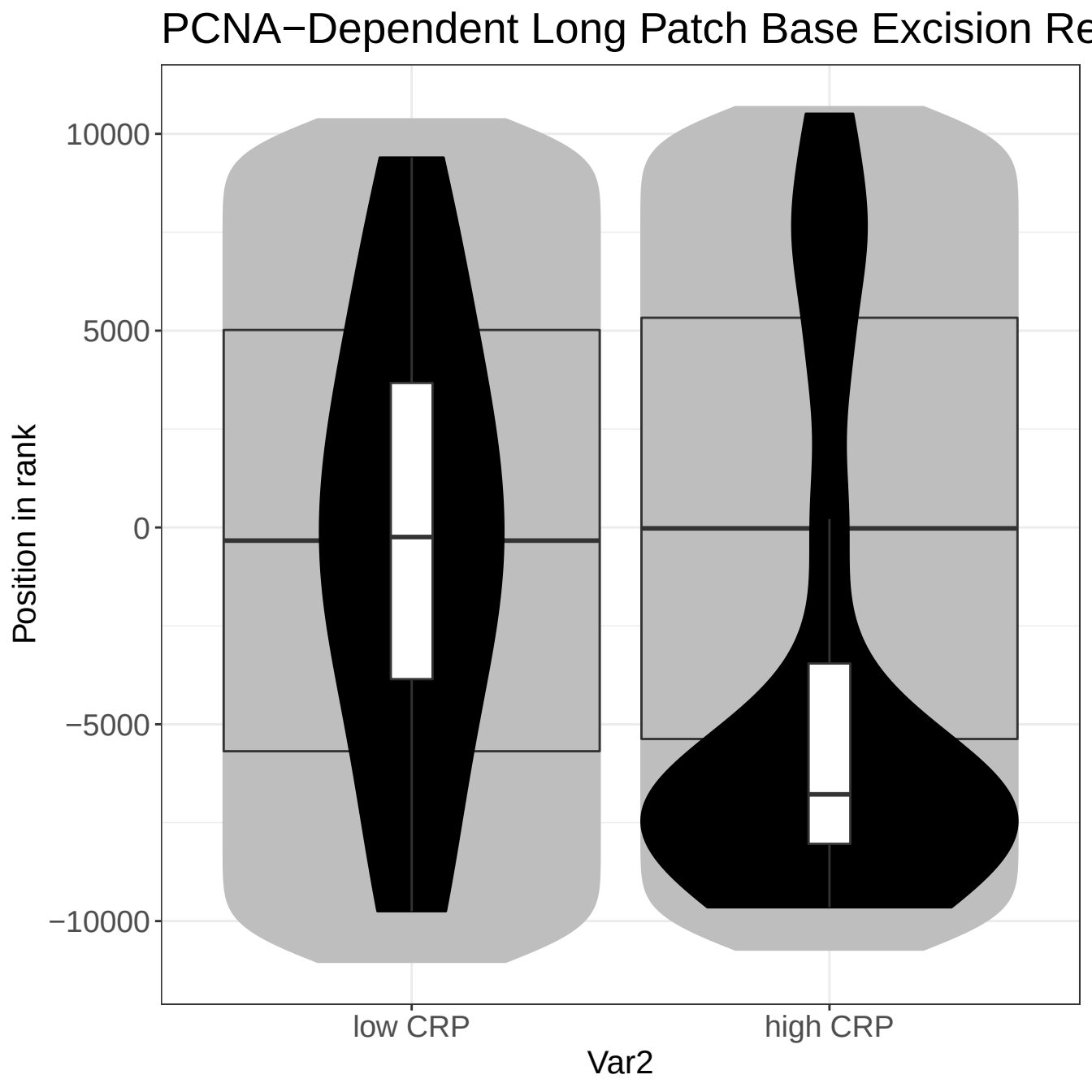

stimulates transcription of AR (androgen receptor) regulated
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

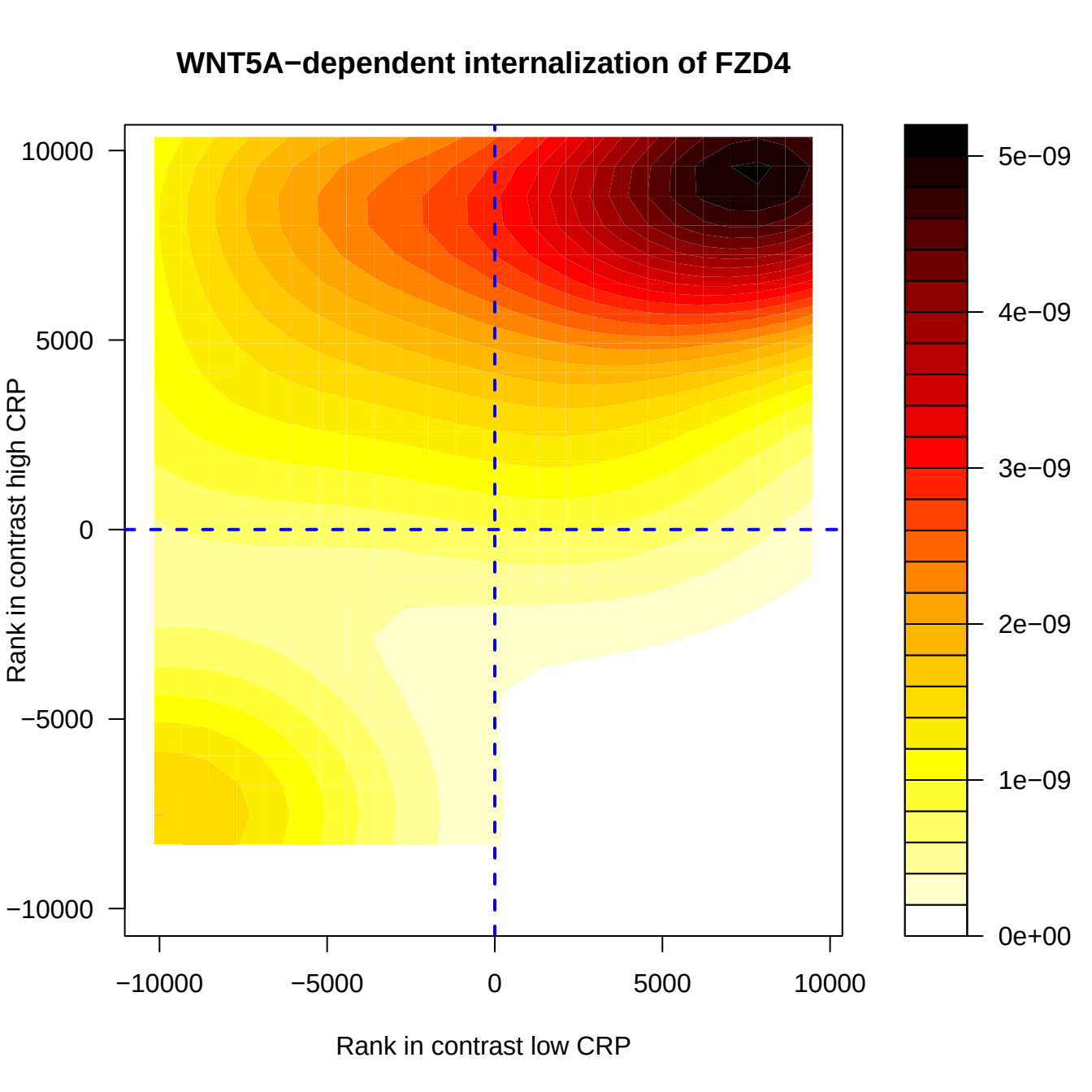

PKN1 stimulates transcription of AR (androgen receptor) regulated genes K
Rank in contrast high CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000
Rank in contrast low CRP

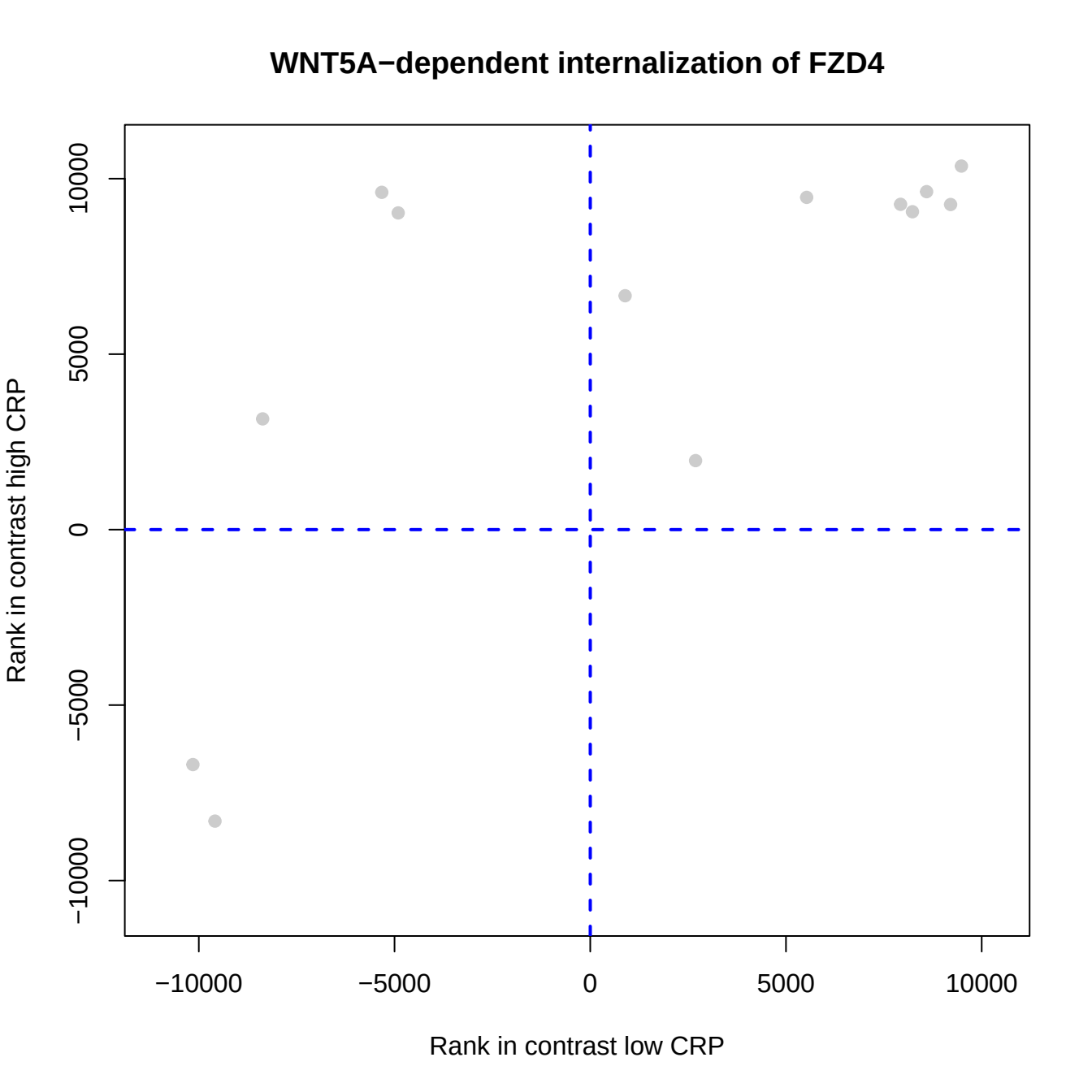

Activated PKN1 stimulates transcription of AR (a
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

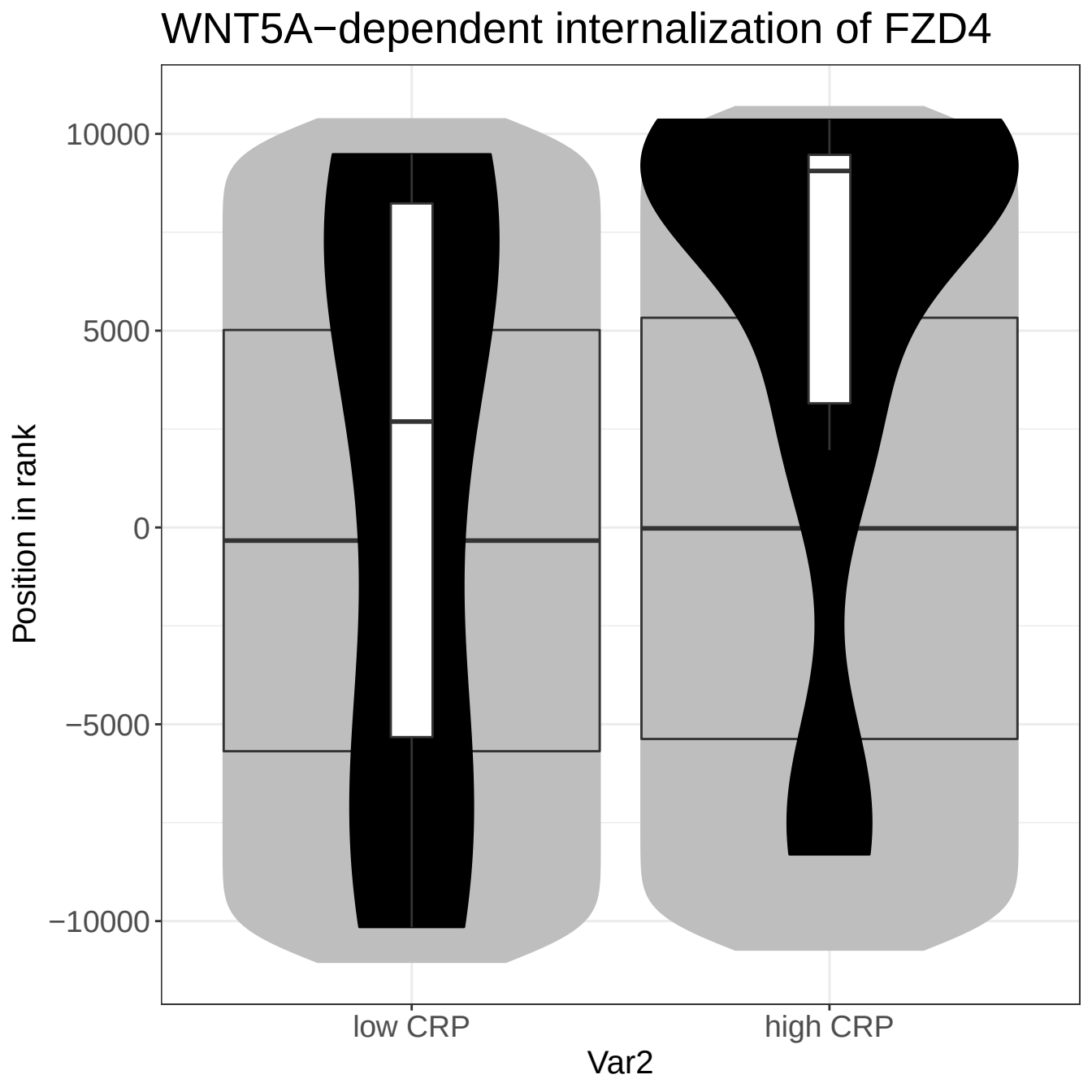

PCNA−Dependent Long Patch Base Excision Repair
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
8e−09
6e−09
4e−09
2e−09
0e+00

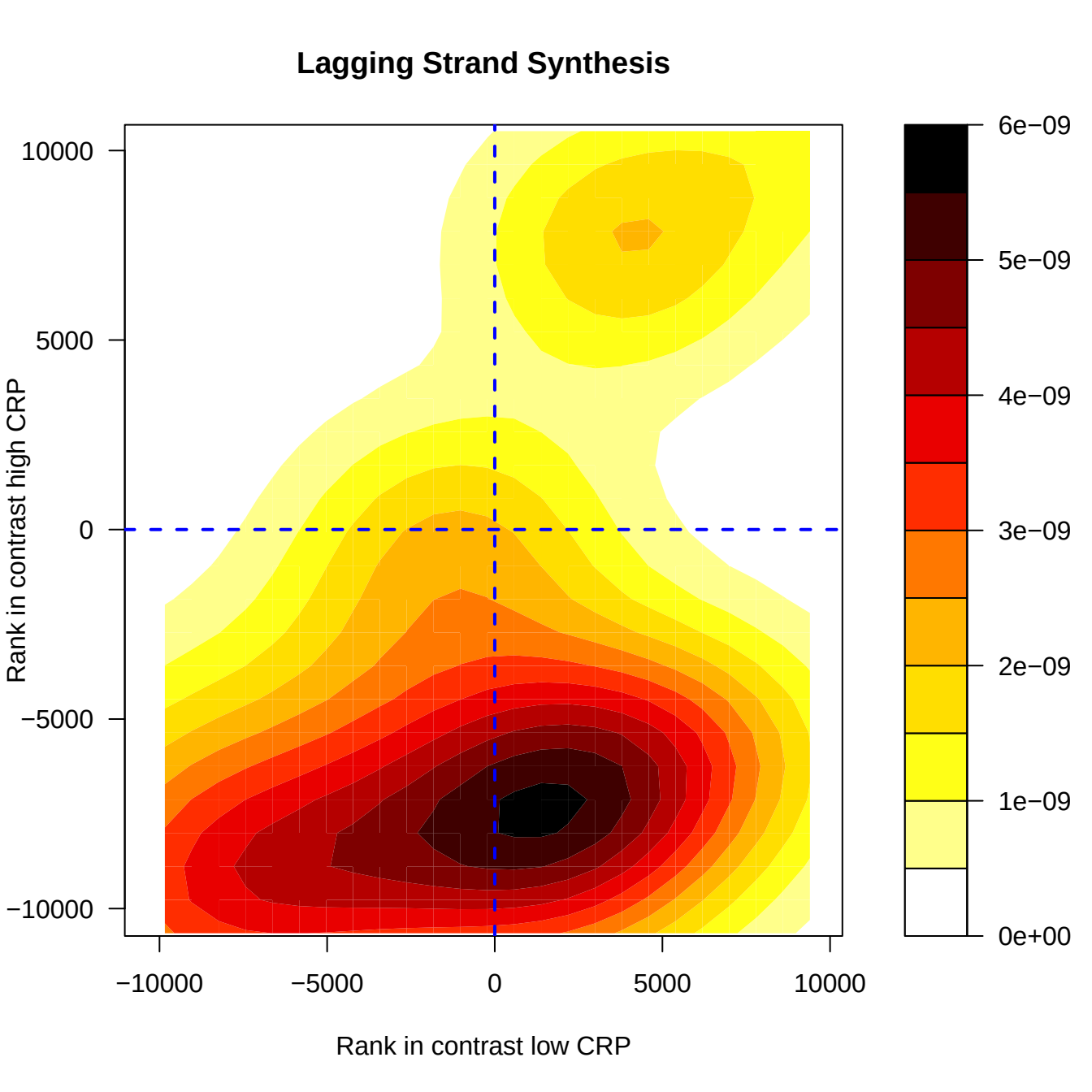

PCNA−Dependent Long Patch Base Excision Repair
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

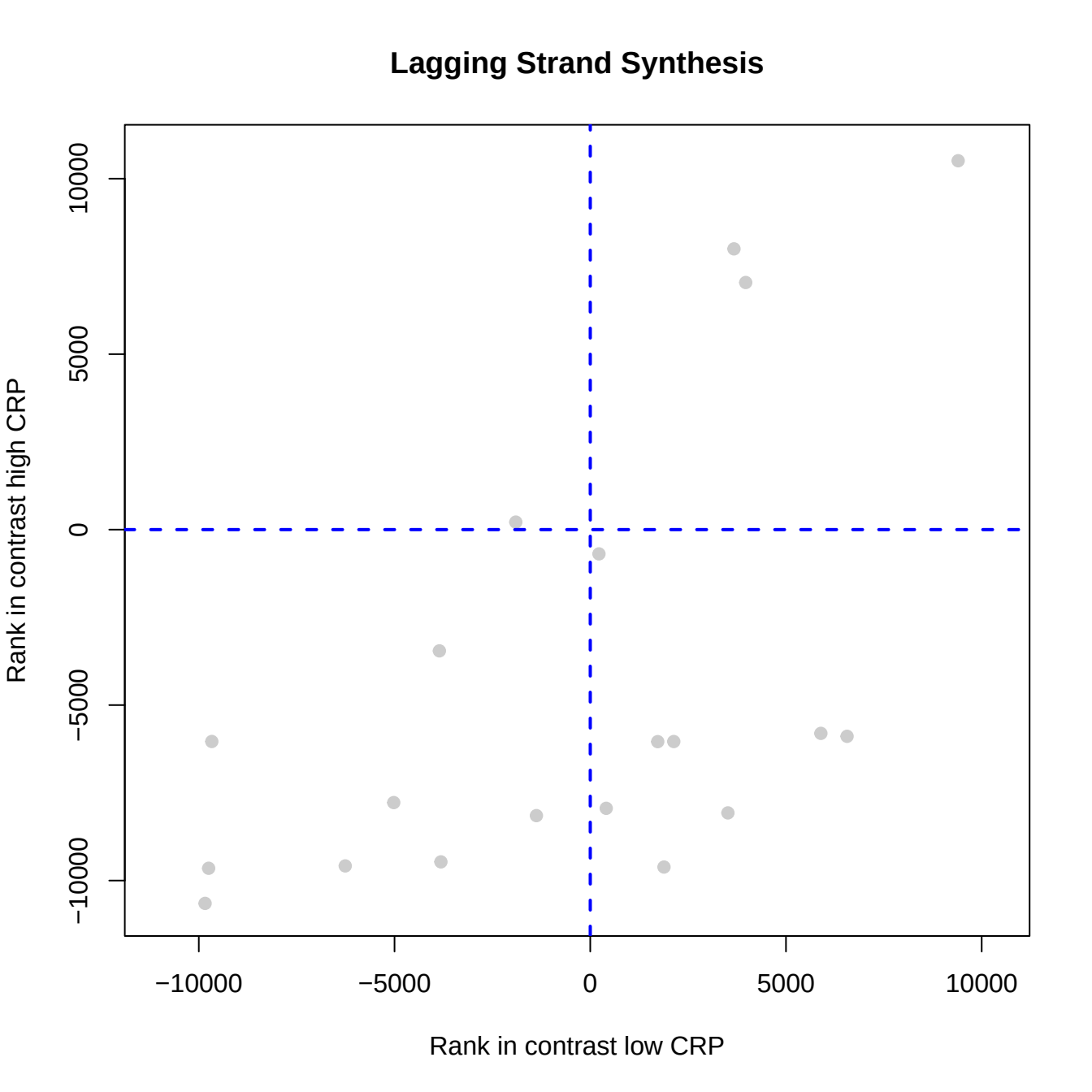

PCNA−Dependent Long Patch Base Excision Re
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

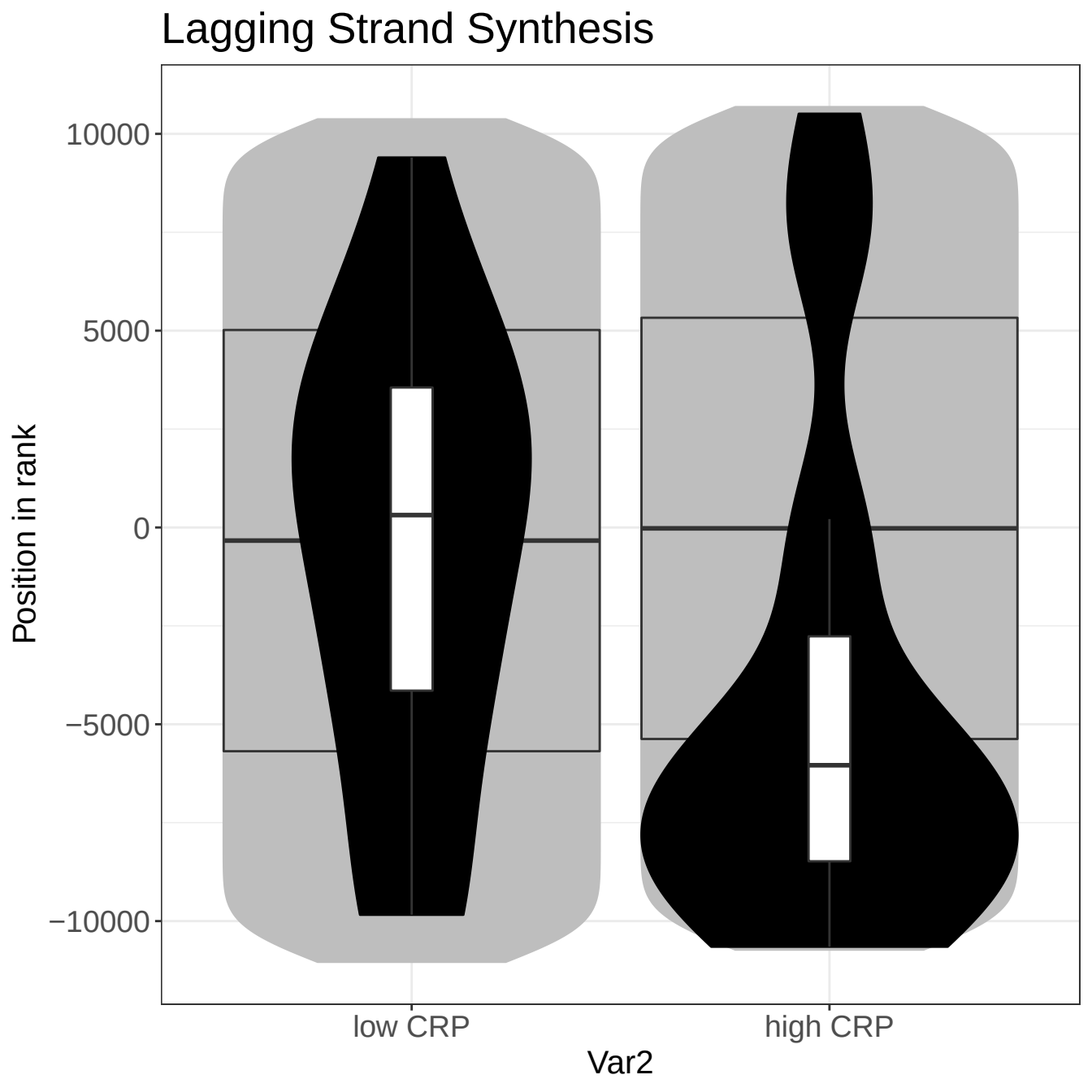

WNT5A−dependent internalization of FZD4
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

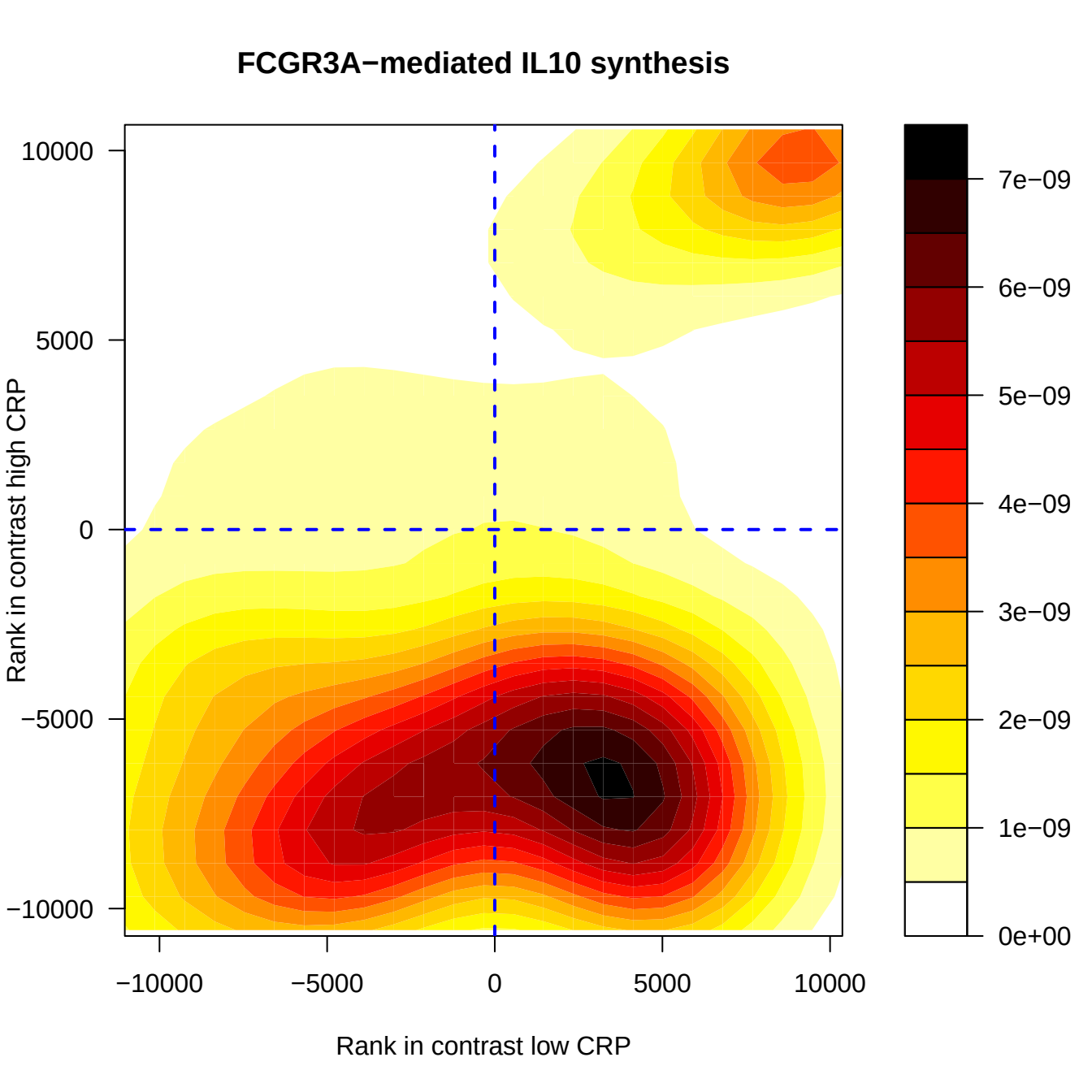

WNT5A−dependent internalization of FZD4
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

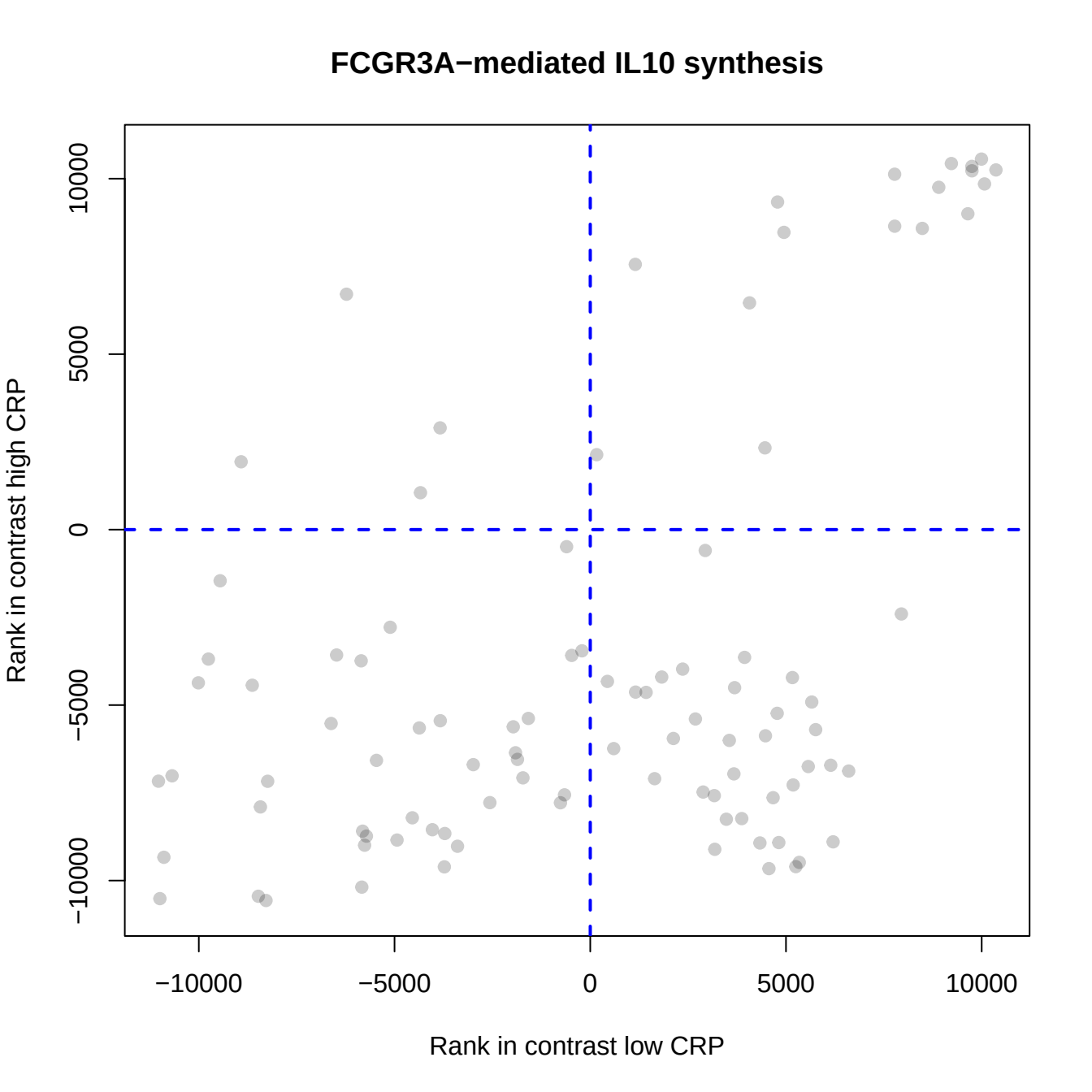

WNT5A−dependent internalization of FZD4
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

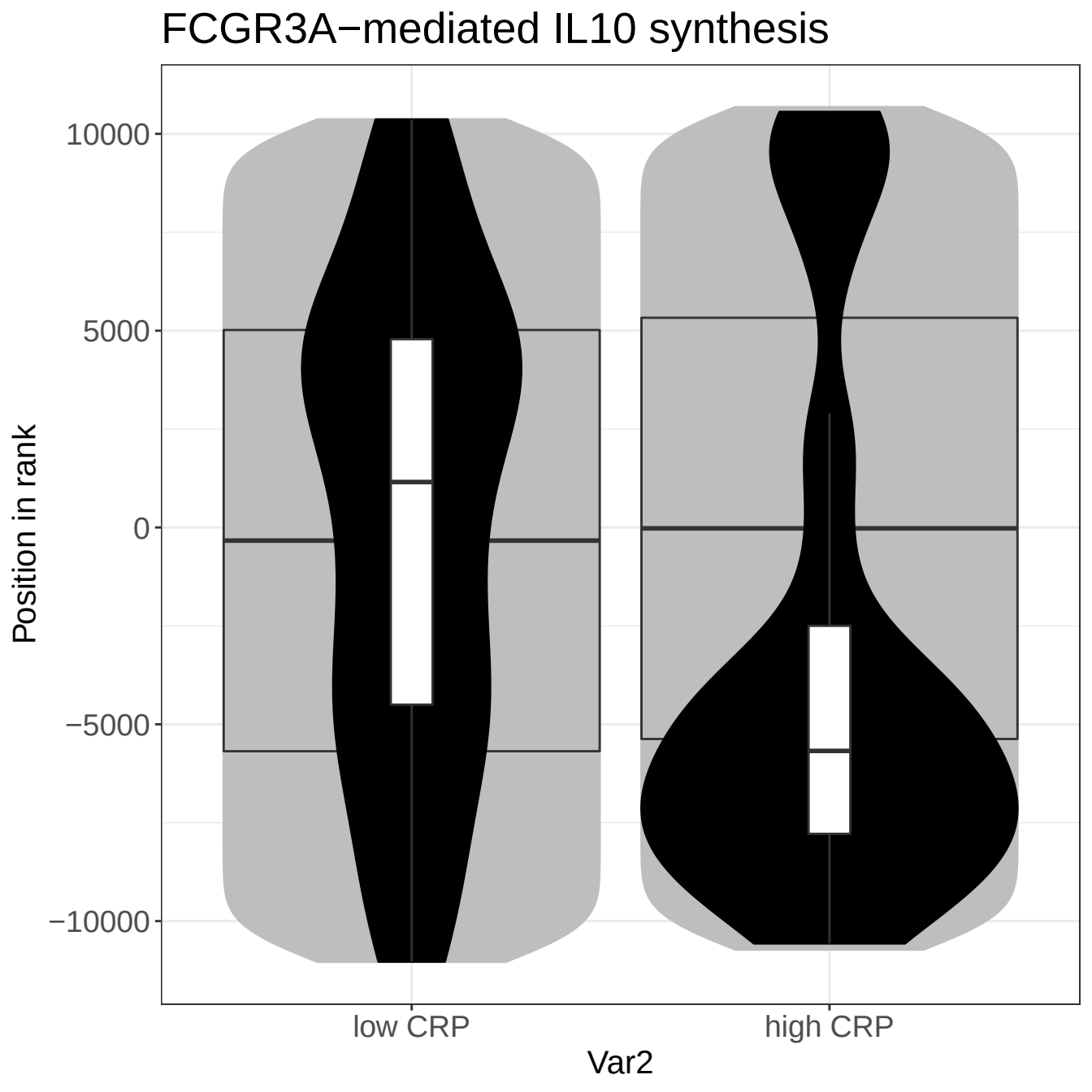

Lagging Strand Synthesis
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

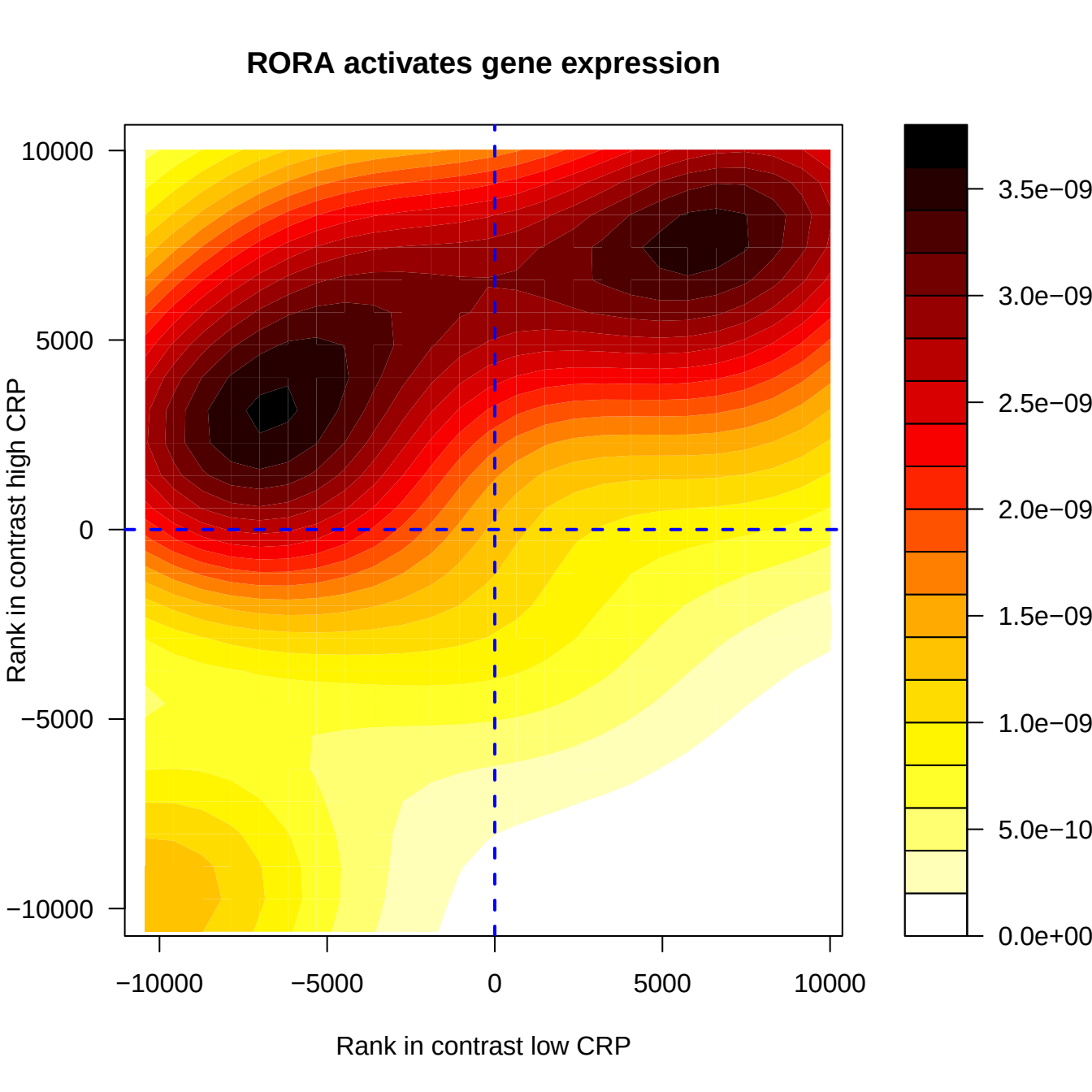

Lagging Strand Synthesis
Rank in contrast high CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000
Rank in contrast low CRP

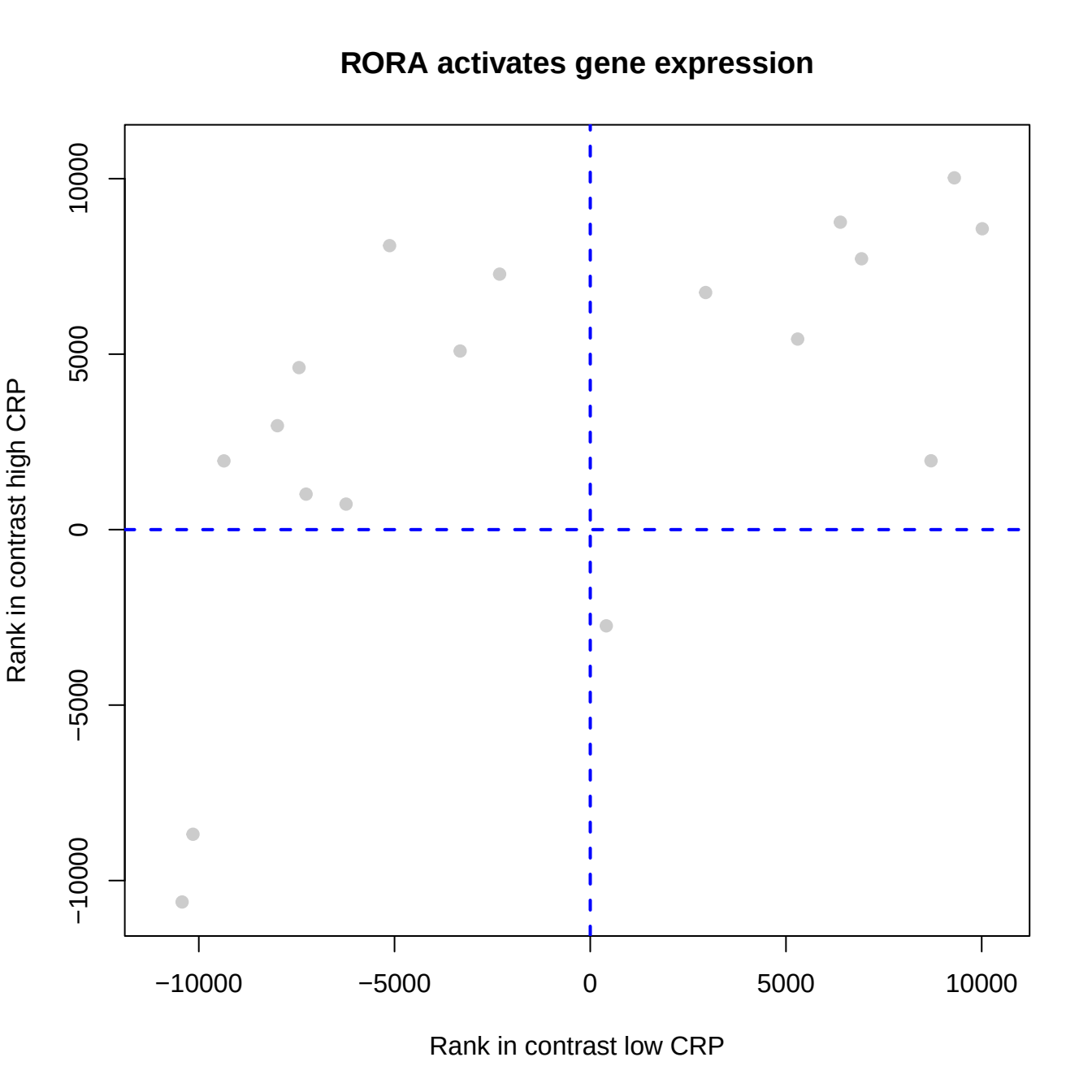

Lagging Strand Synthesis
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

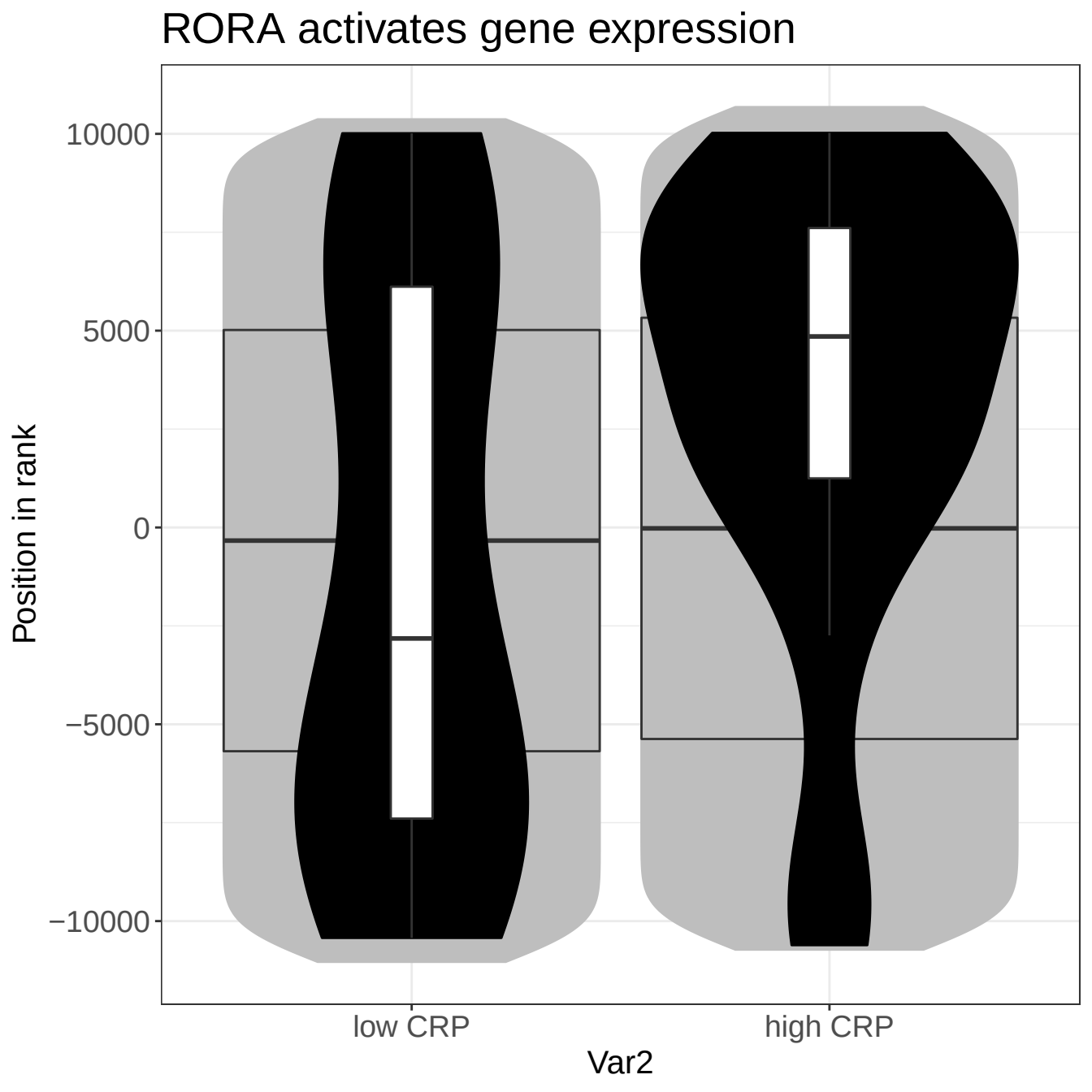

FCGR3A−mediated IL10 synthesis
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
7e−09
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

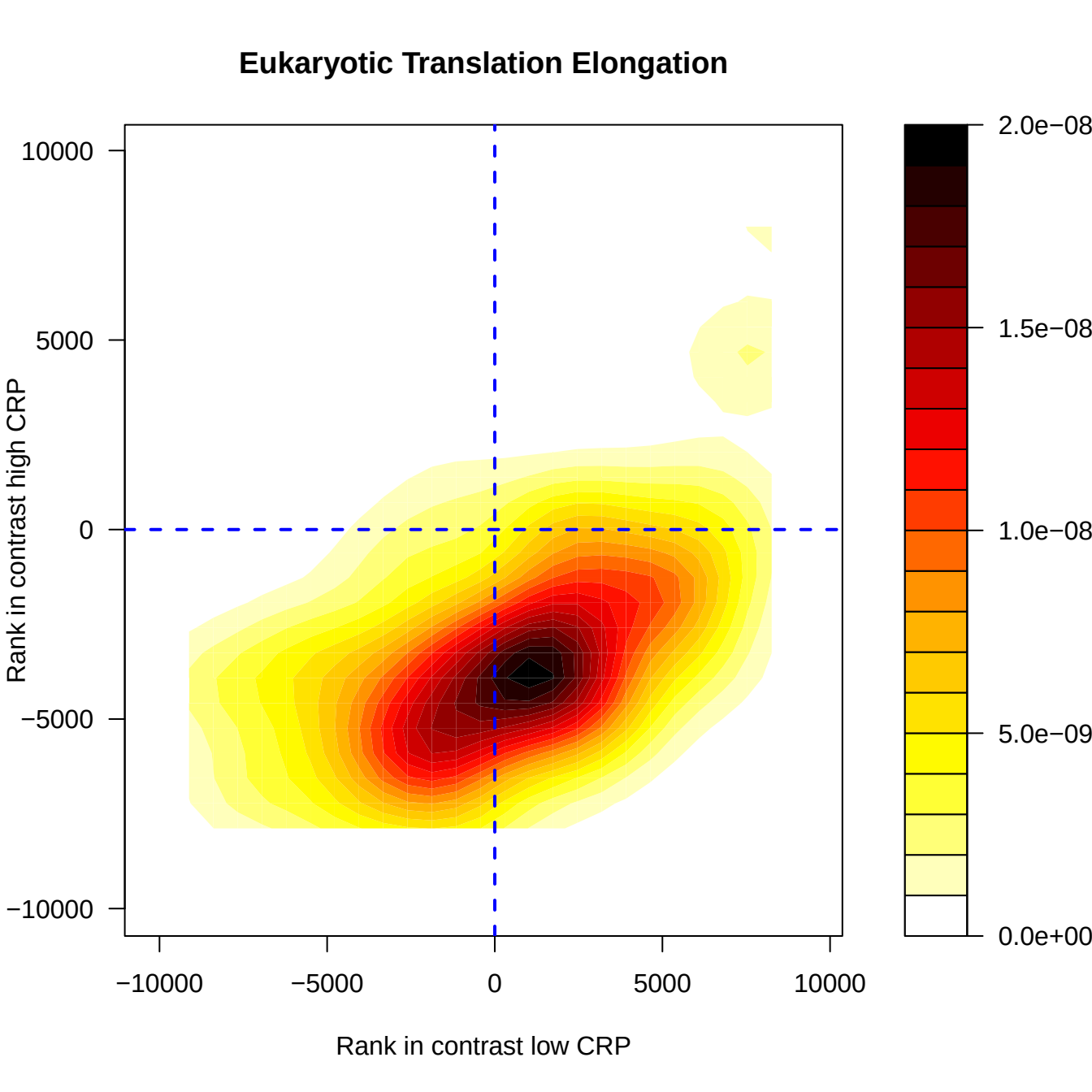

FCGR3A−mediated IL10 synthesis
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

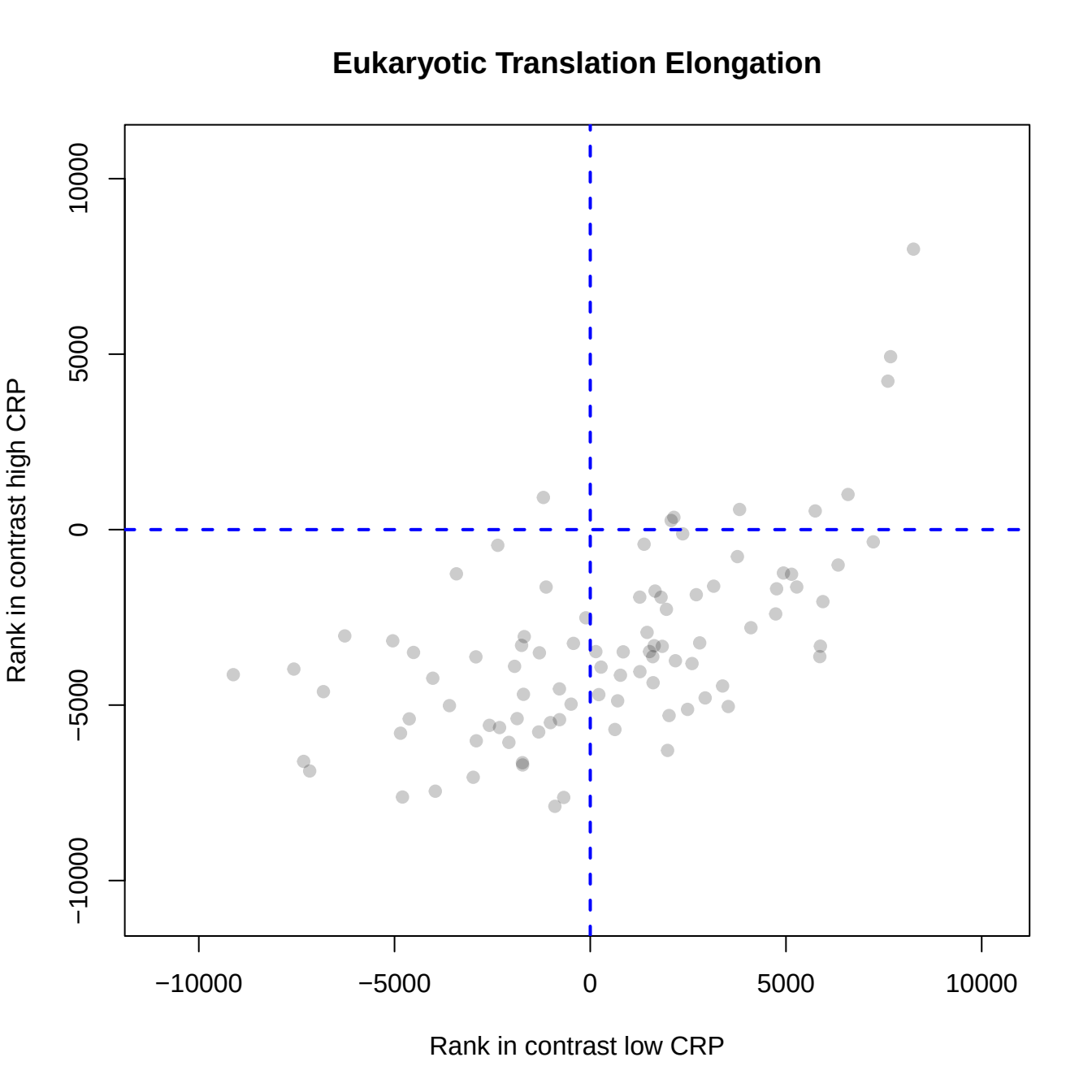

FCGR3A−mediated IL10 synthesis
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

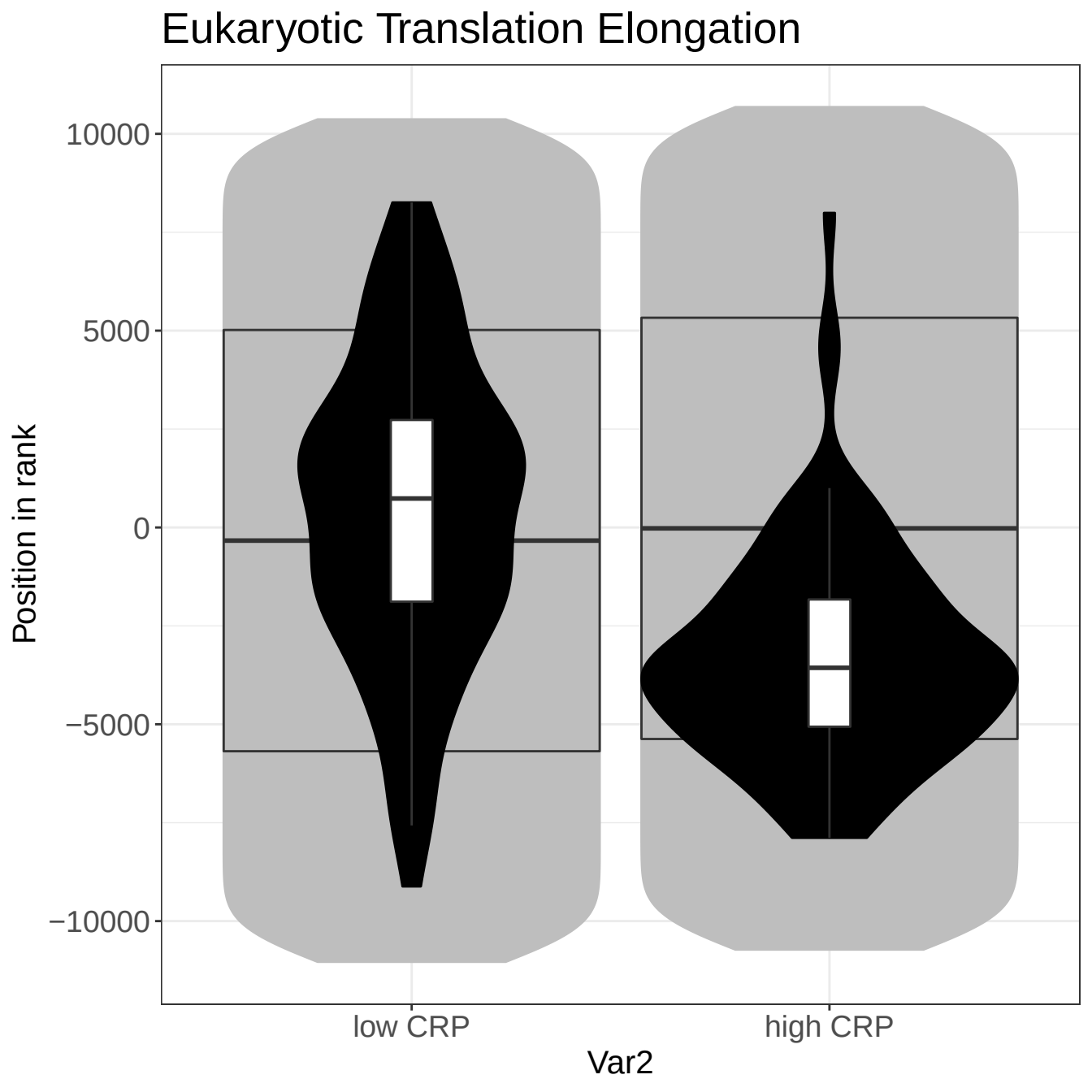

RORA activates gene expression
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
3.5e−09
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

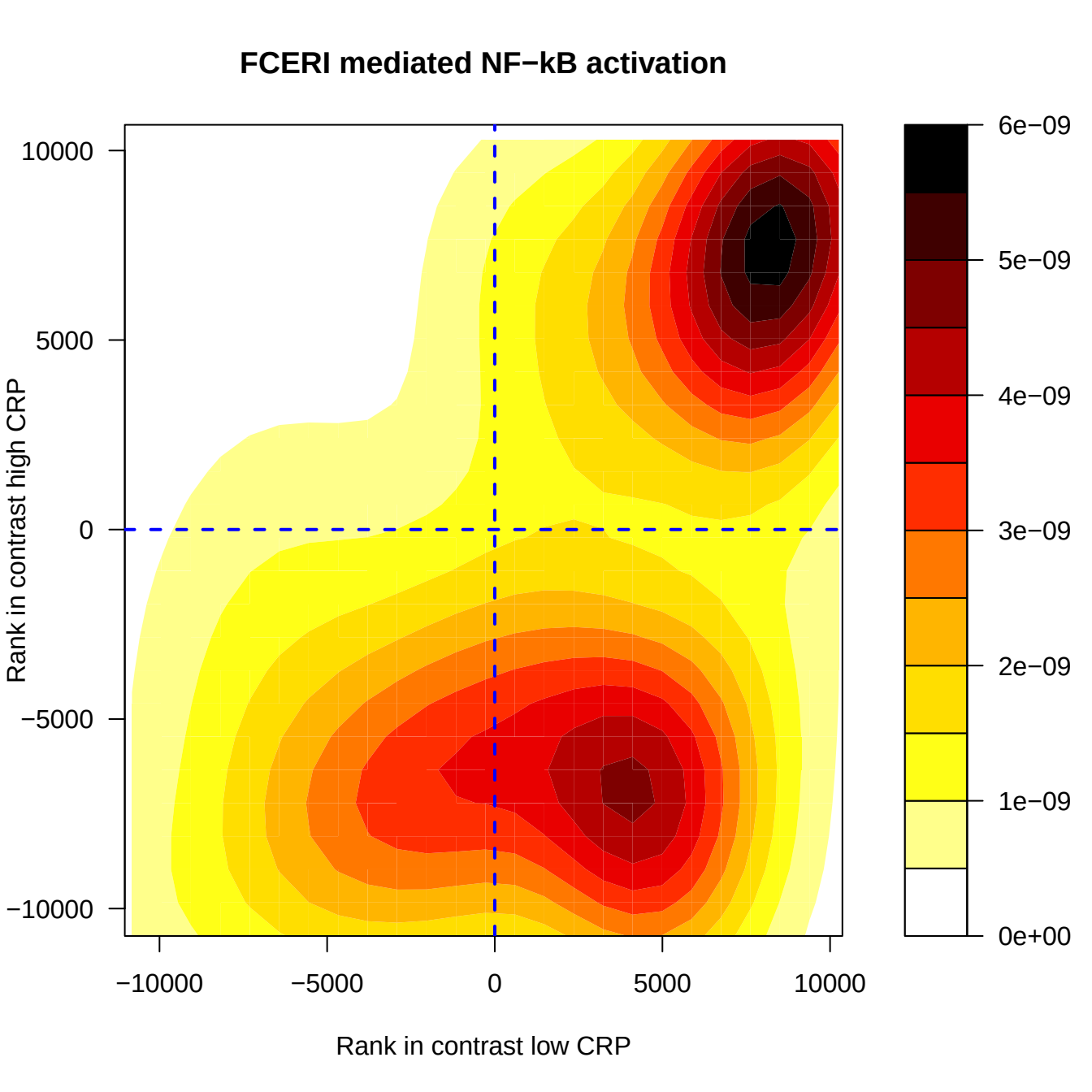

RORA activates gene expression
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

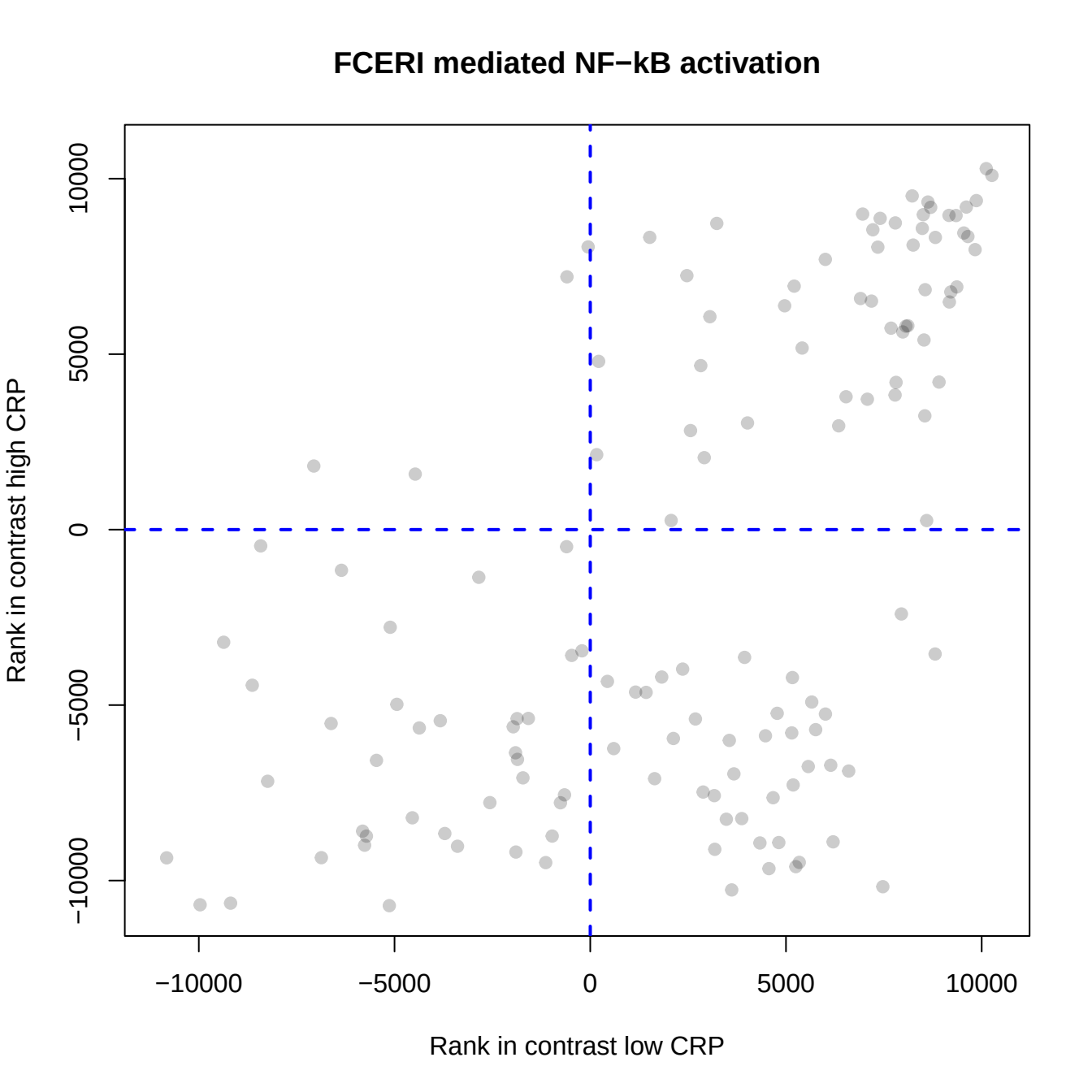

RORA activates gene expression
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

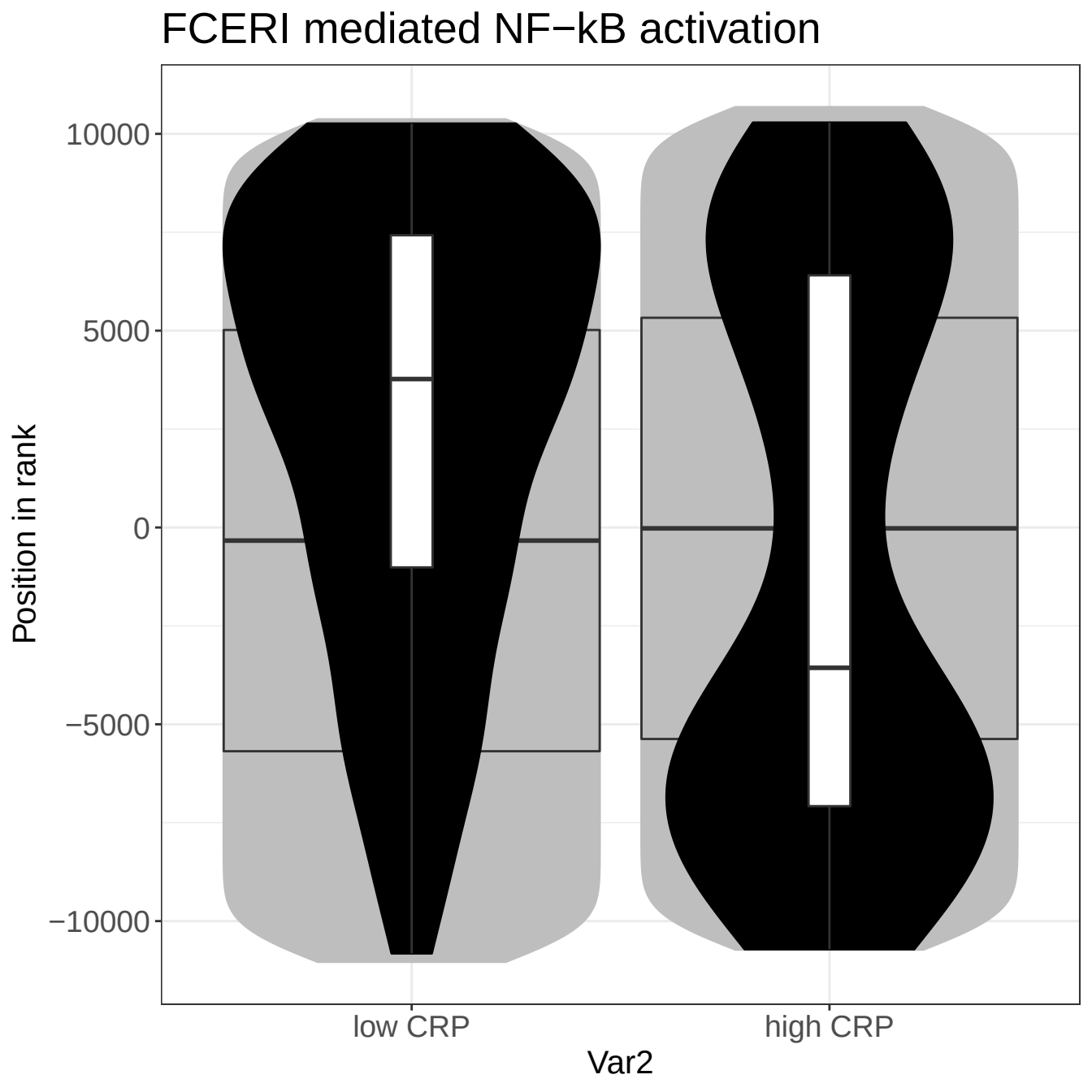

Eukaryotic Translation Elongation
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
2.0e−08
1.5e−08
1.0e−08
5.0e−09
0.0e+00

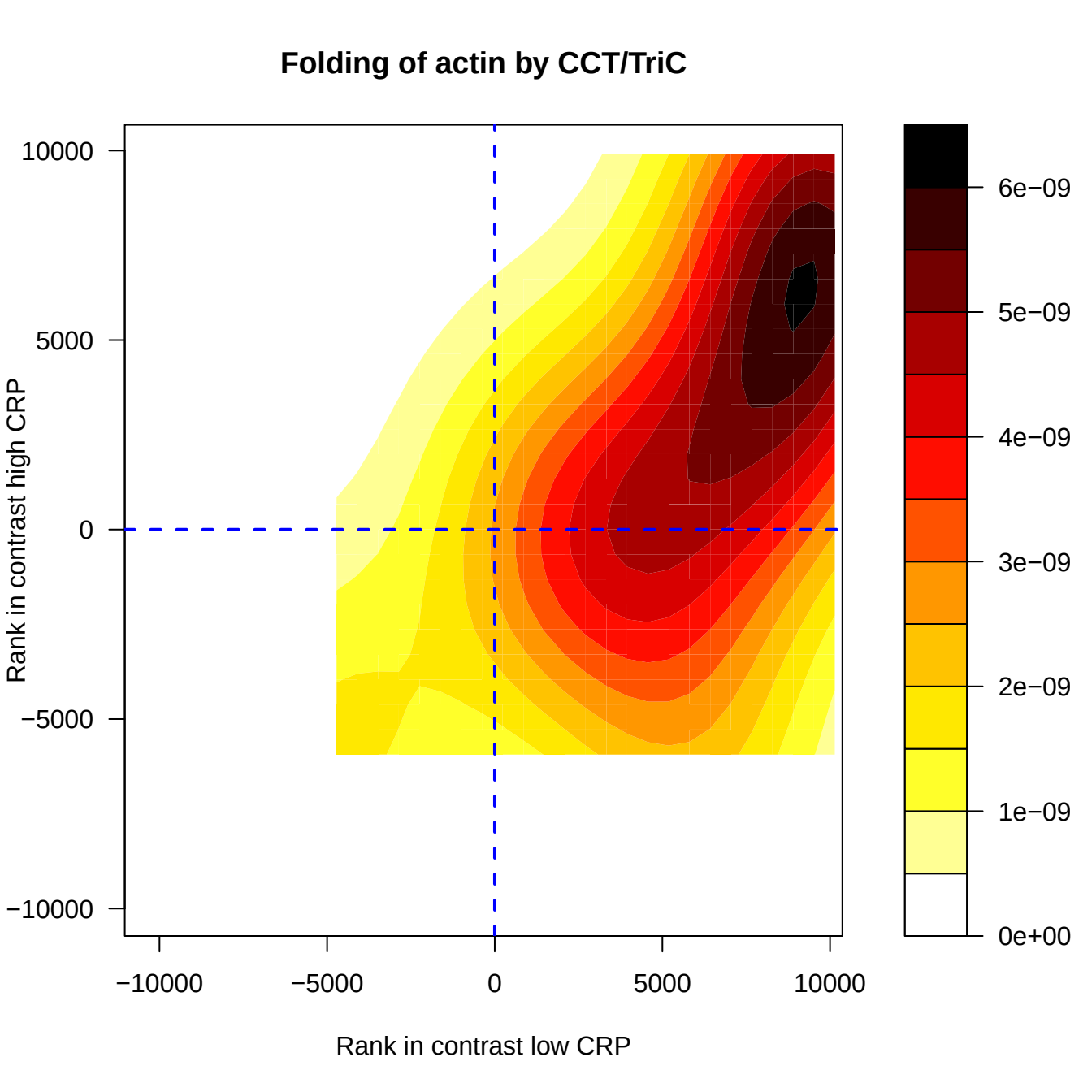

Eukaryotic Translation Elongation
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

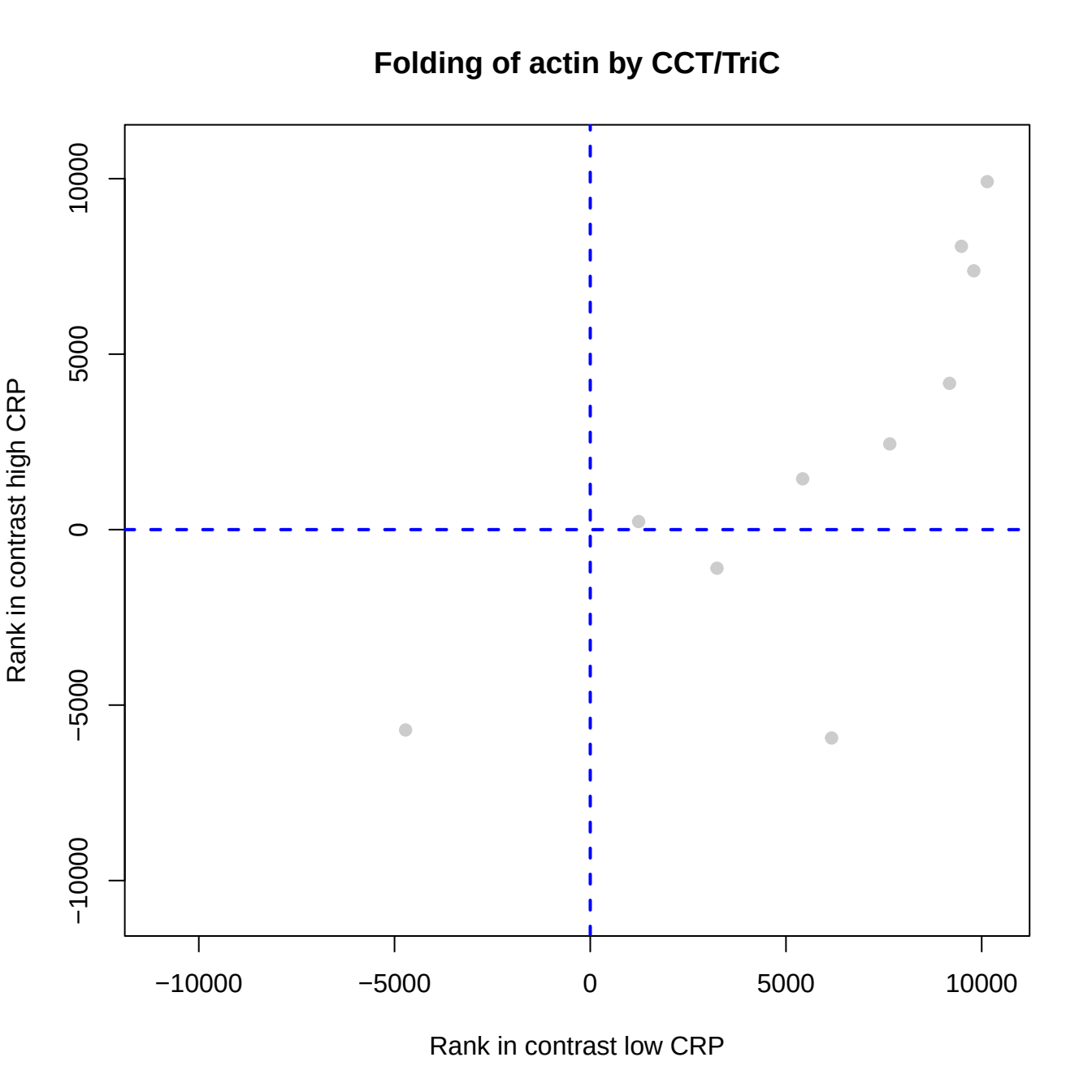

Eukaryotic Translation Elongation
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

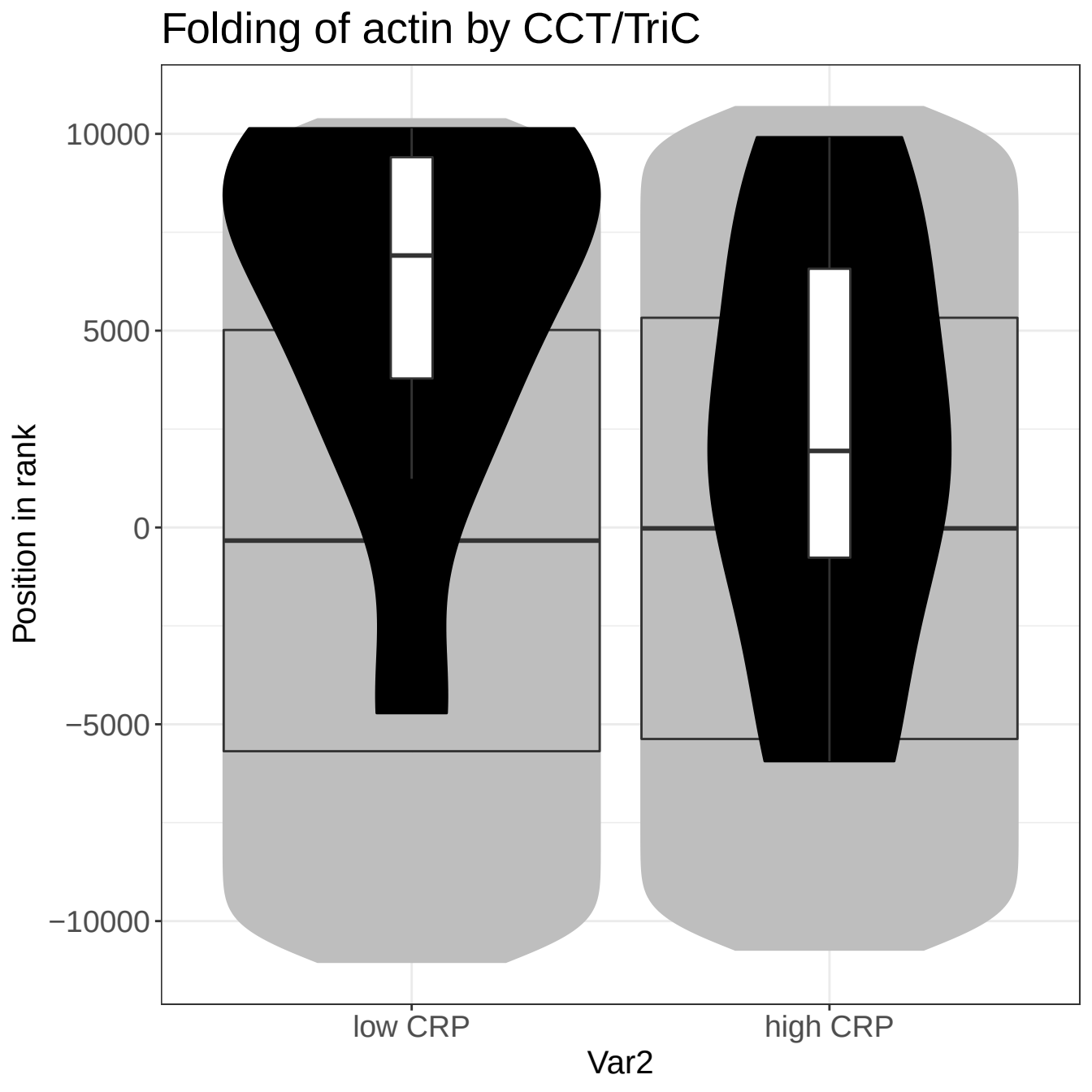

FCERI mediated NF−kB activation
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

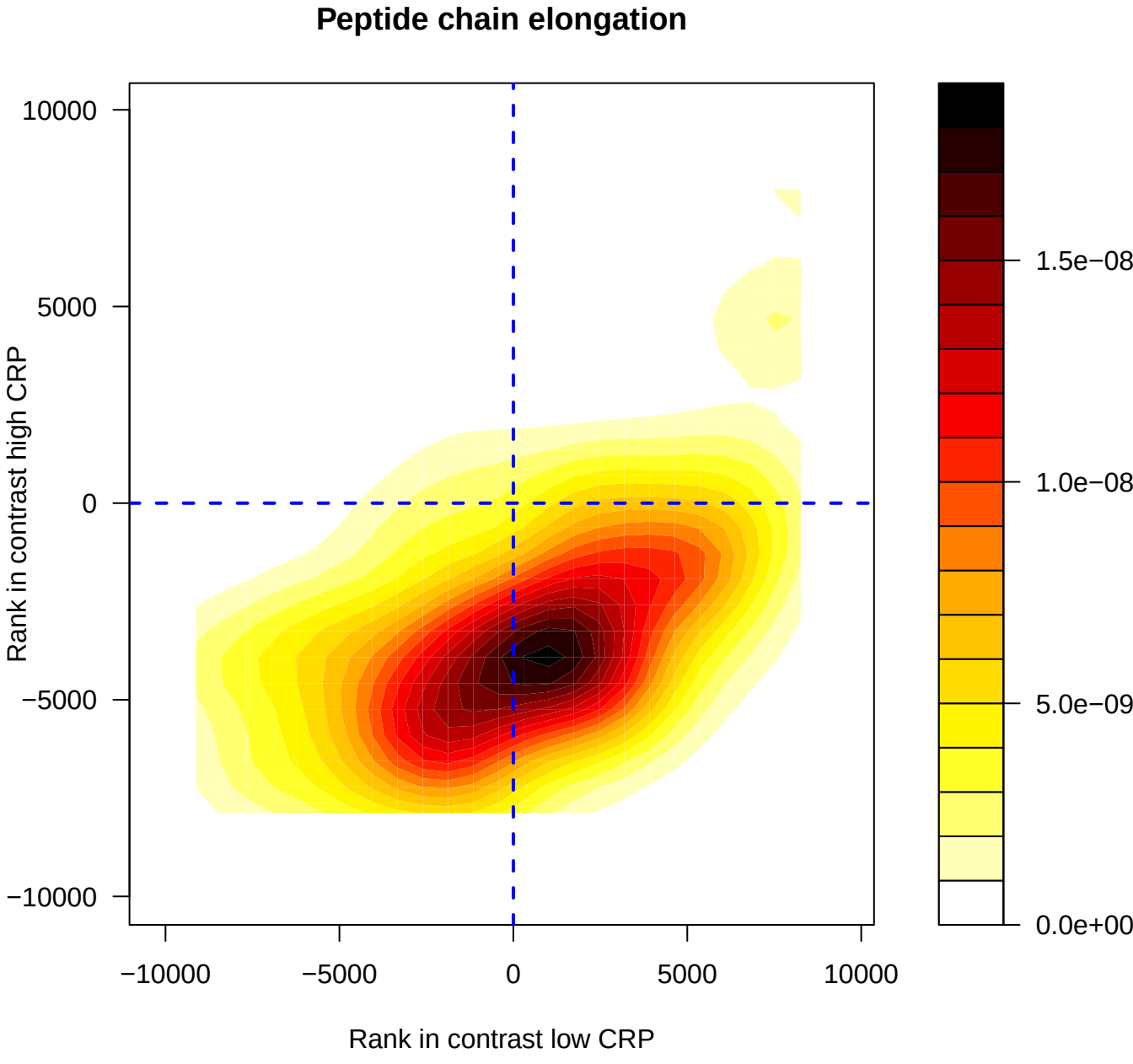

FCERI mediated NF−kB activation
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

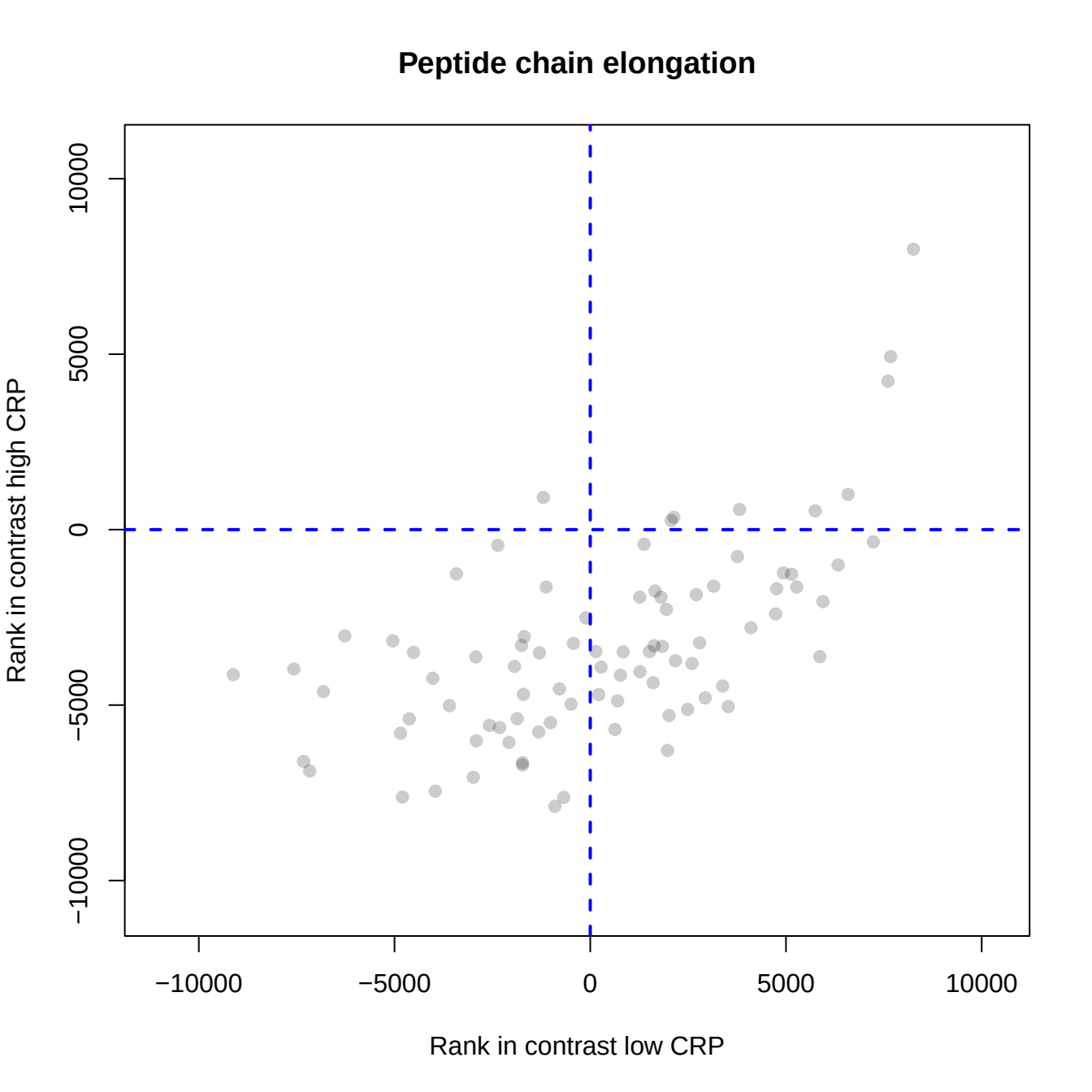

FCERI mediated NF−kB activation
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

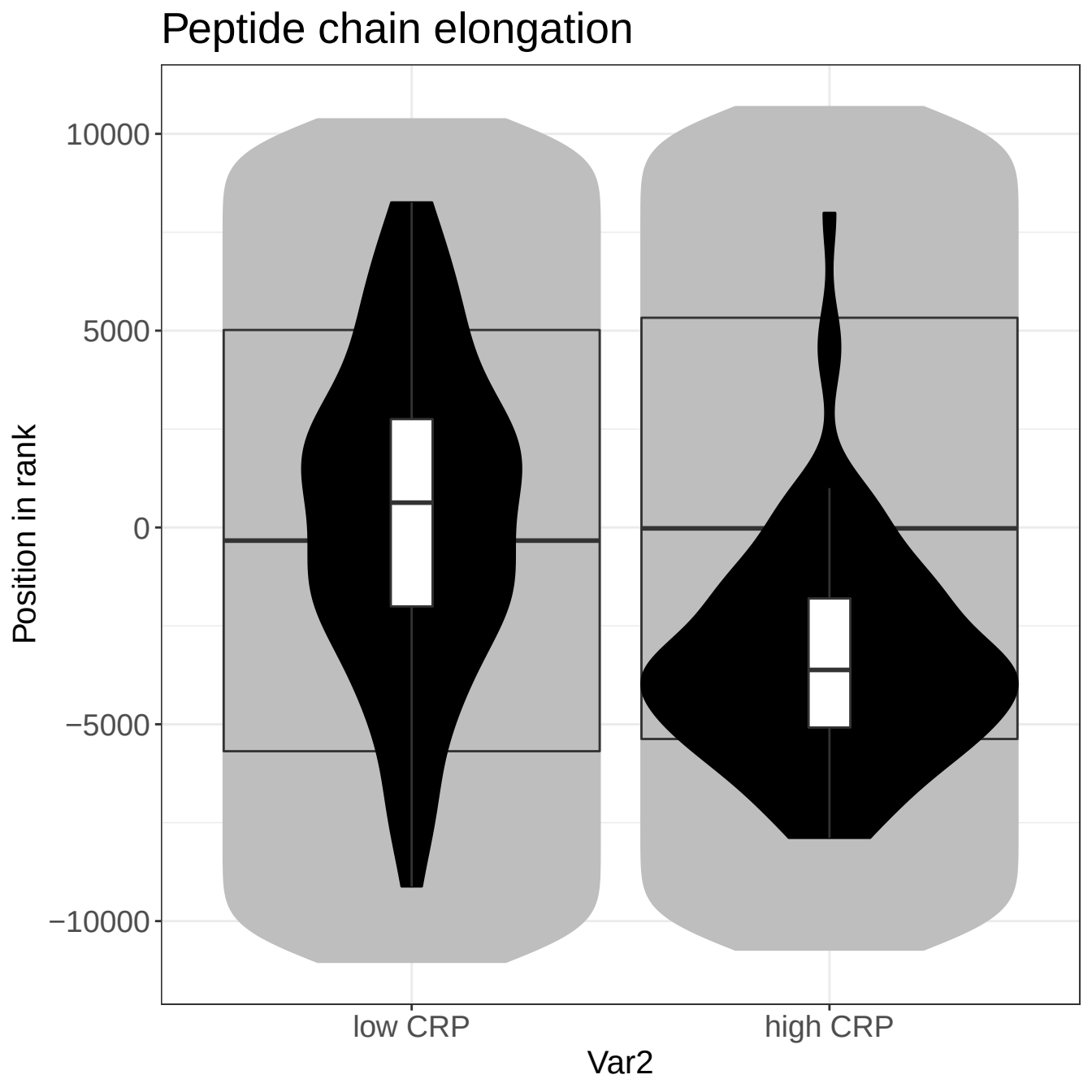

Folding of actin by CCT/TriC
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

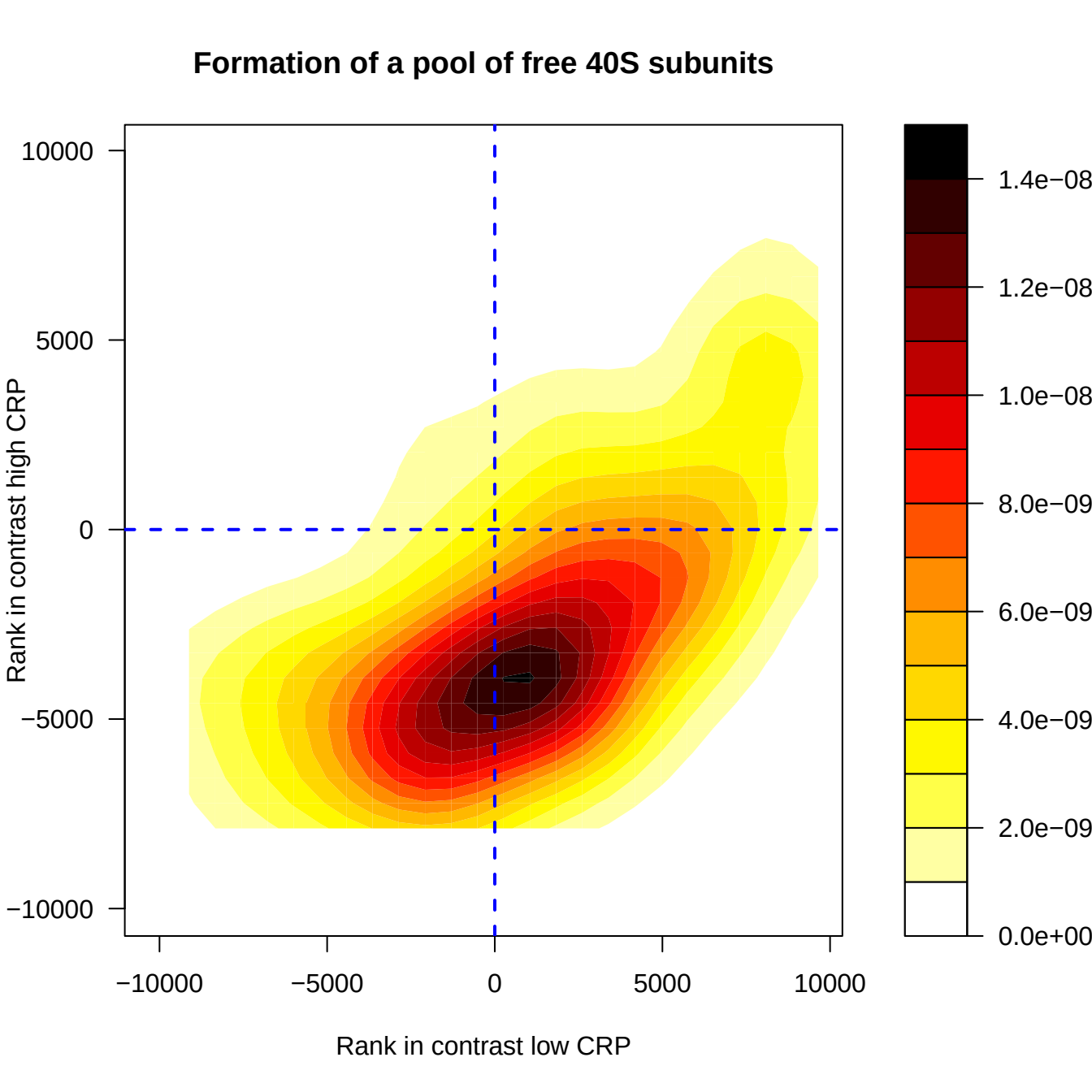

Folding of actin by CCT/TriC
Rank in contrast high CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000
Rank in contrast low CRP

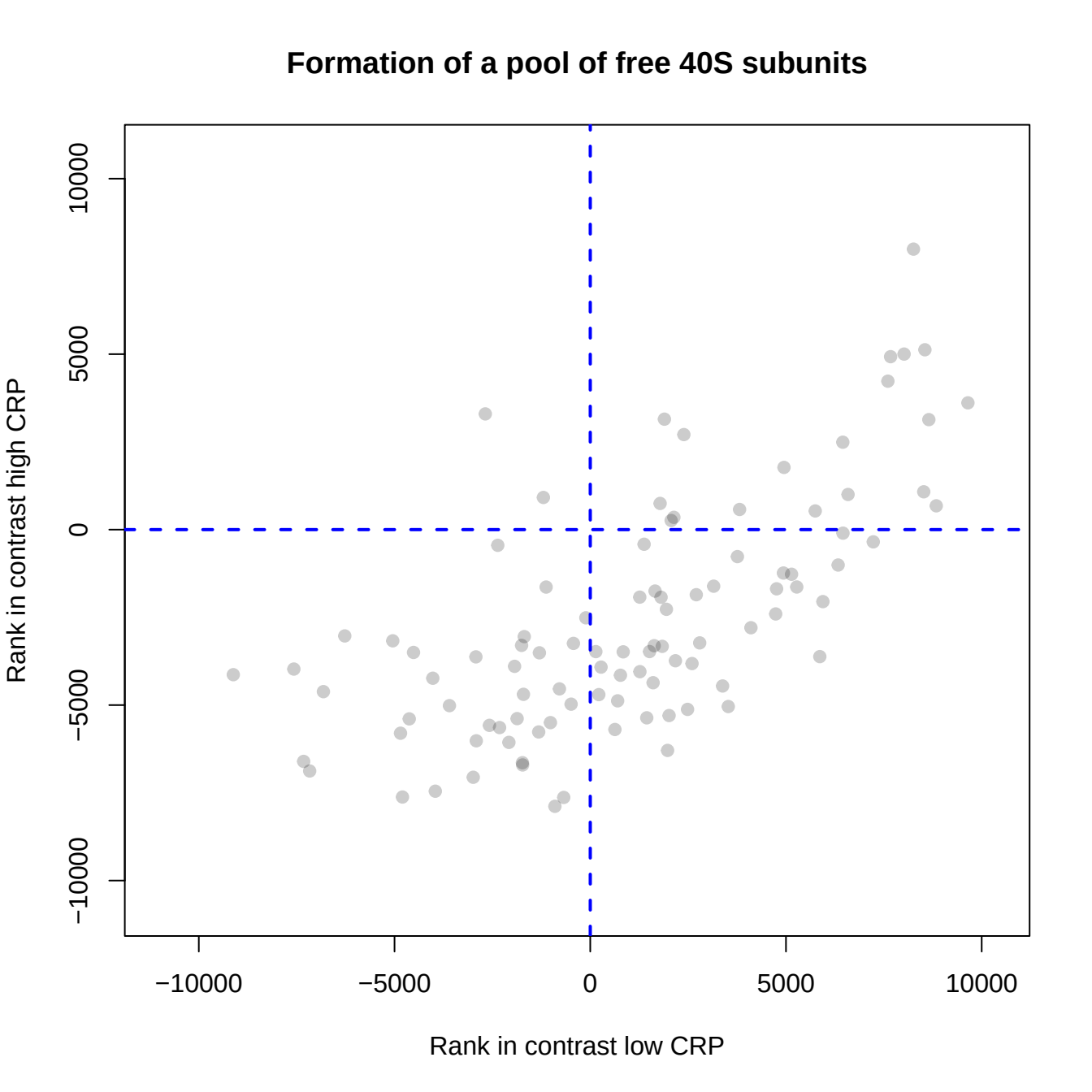

Folding of actin by CCT/TriC
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

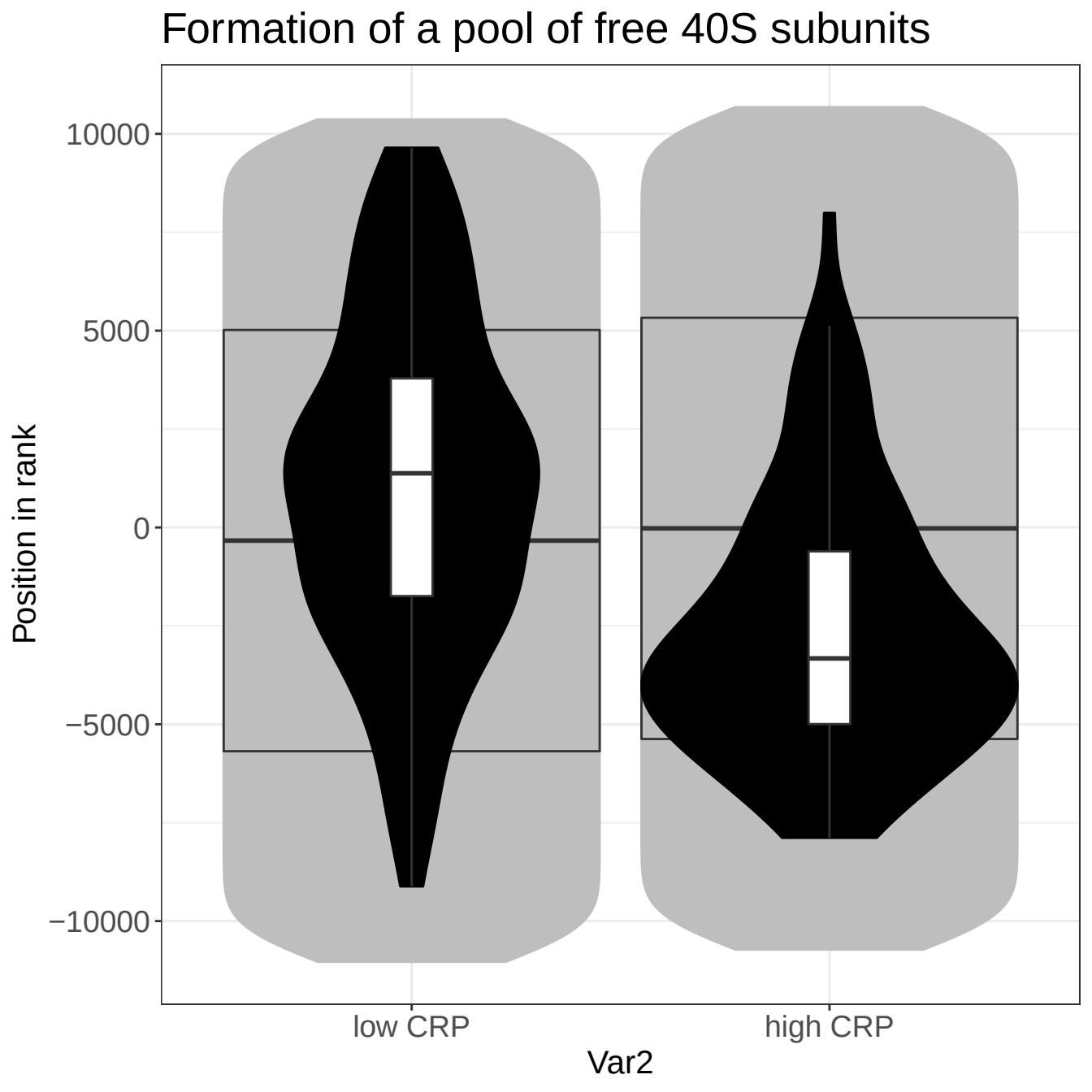

Peptide chain elongation
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.5e−08
1.0e−08
5.0e−09
0.0e+00

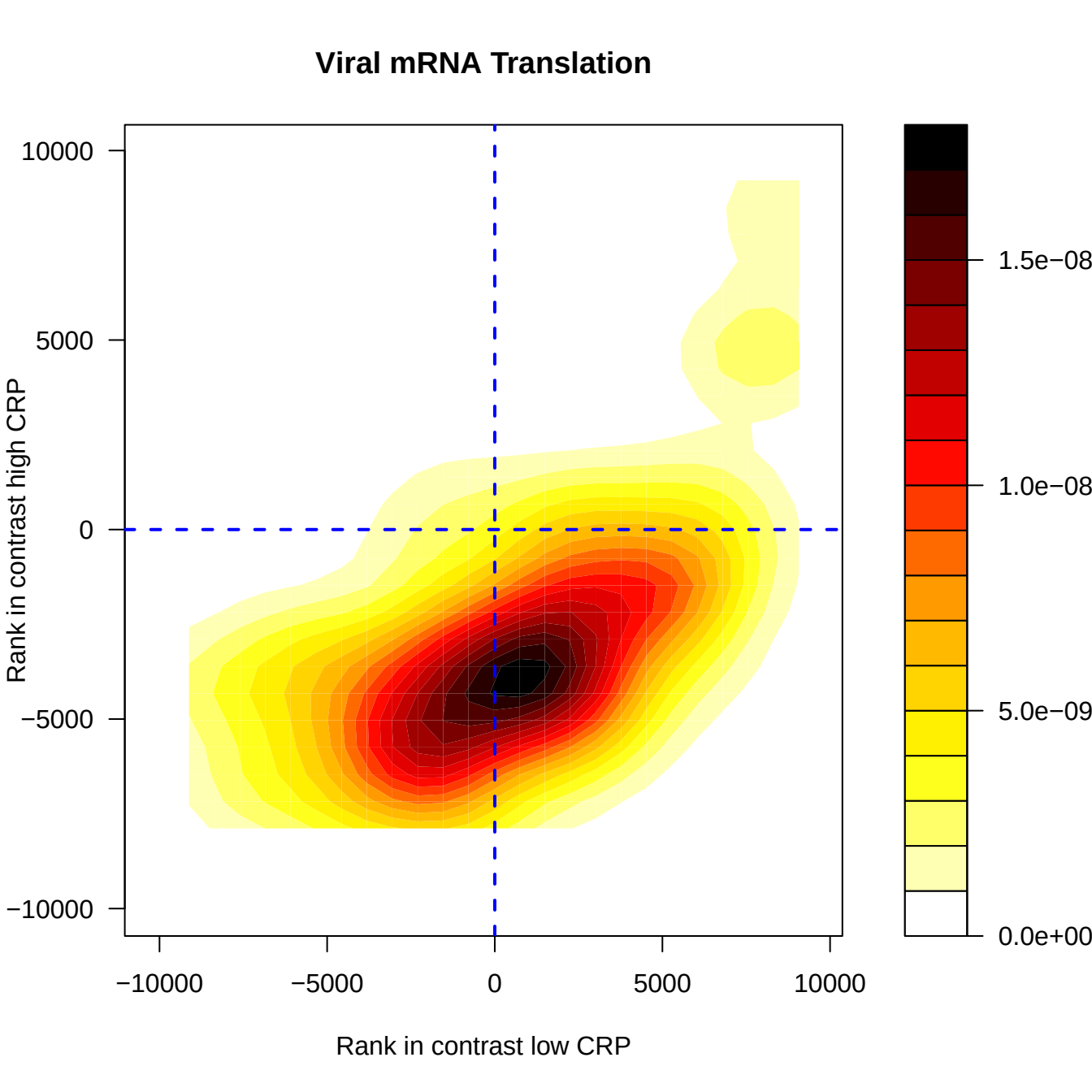

Peptide chain elongation
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

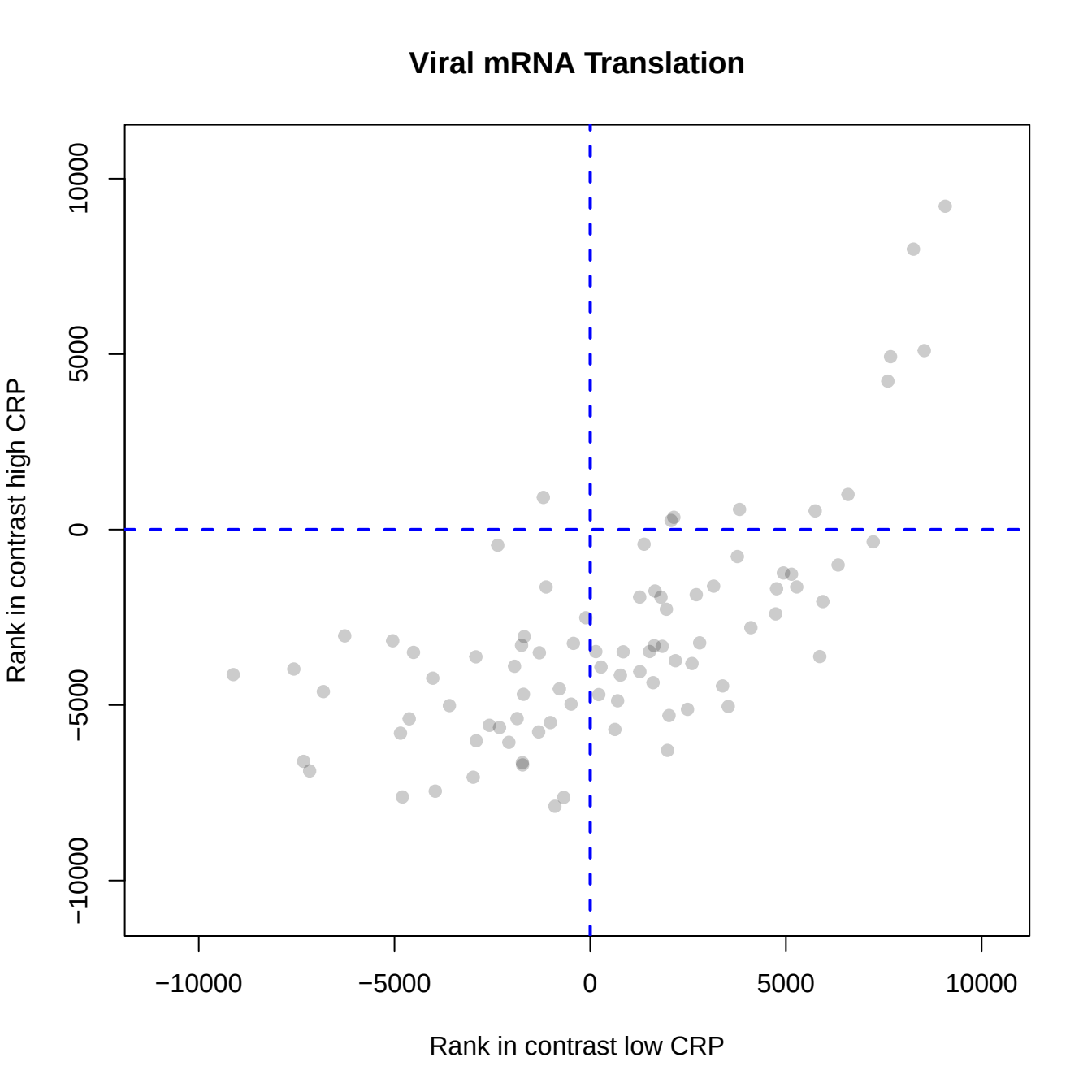

Peptide chain elongation
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

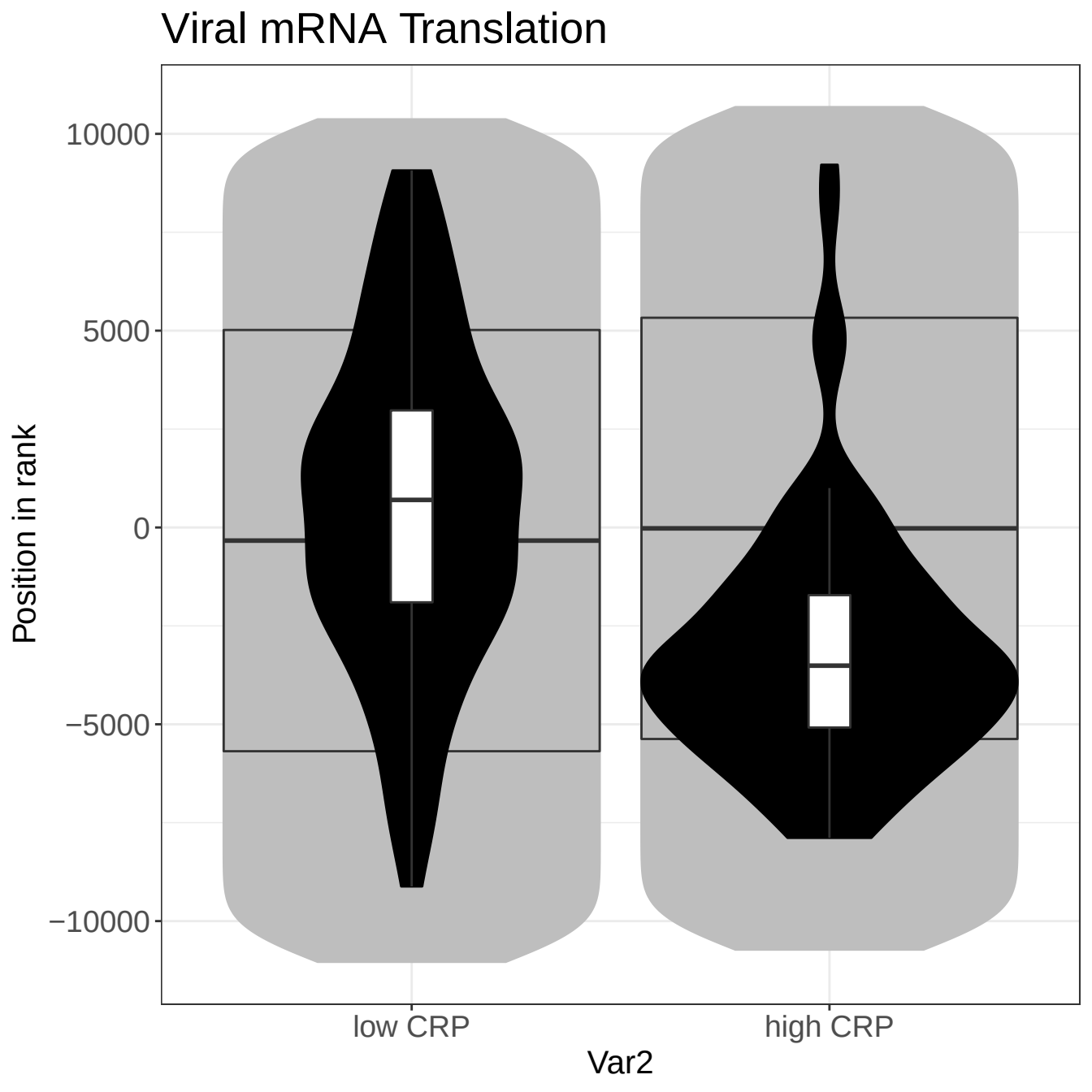

Formation of a pool of free 40S subunits
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.4e−08
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

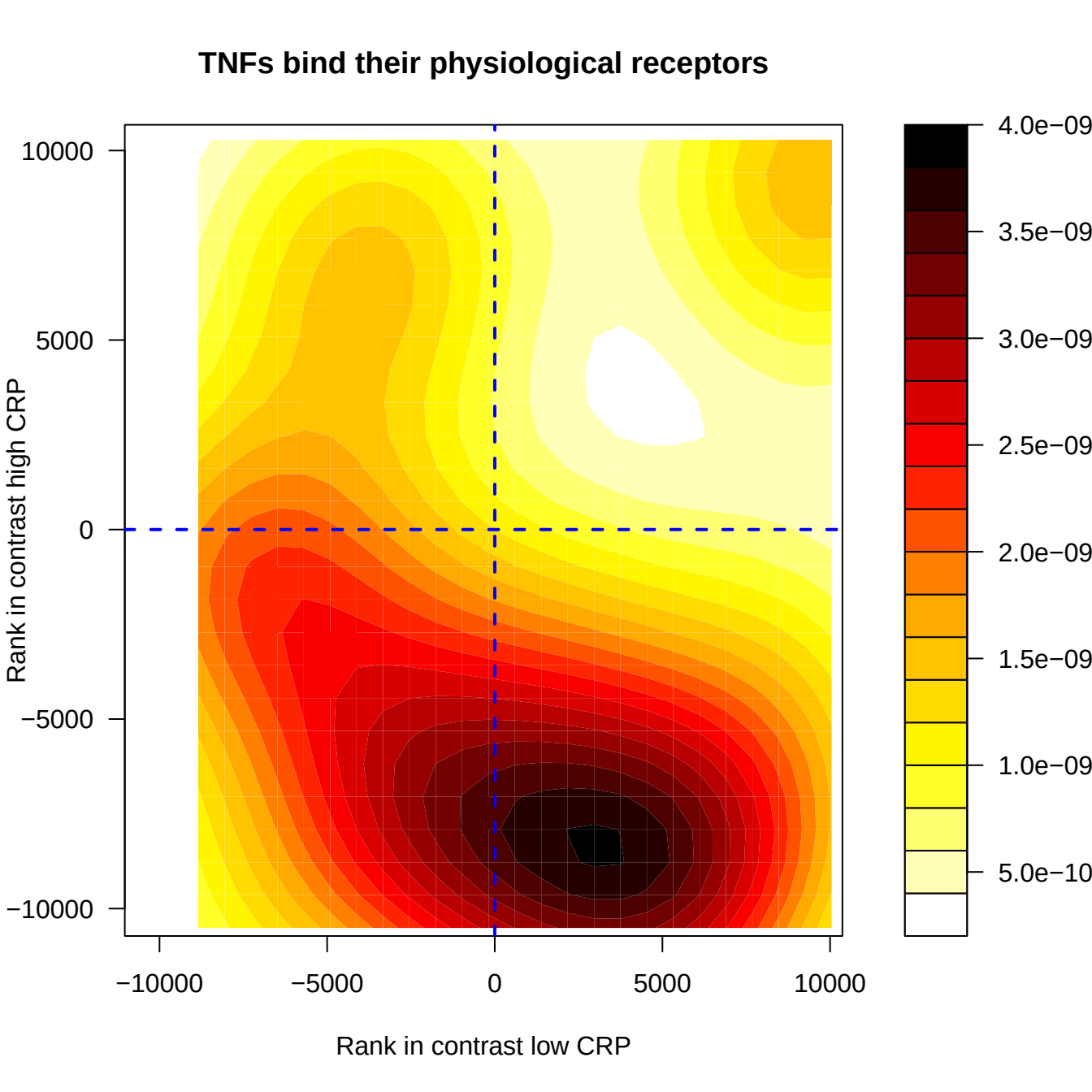

Formation of a pool of free 40S subunits
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

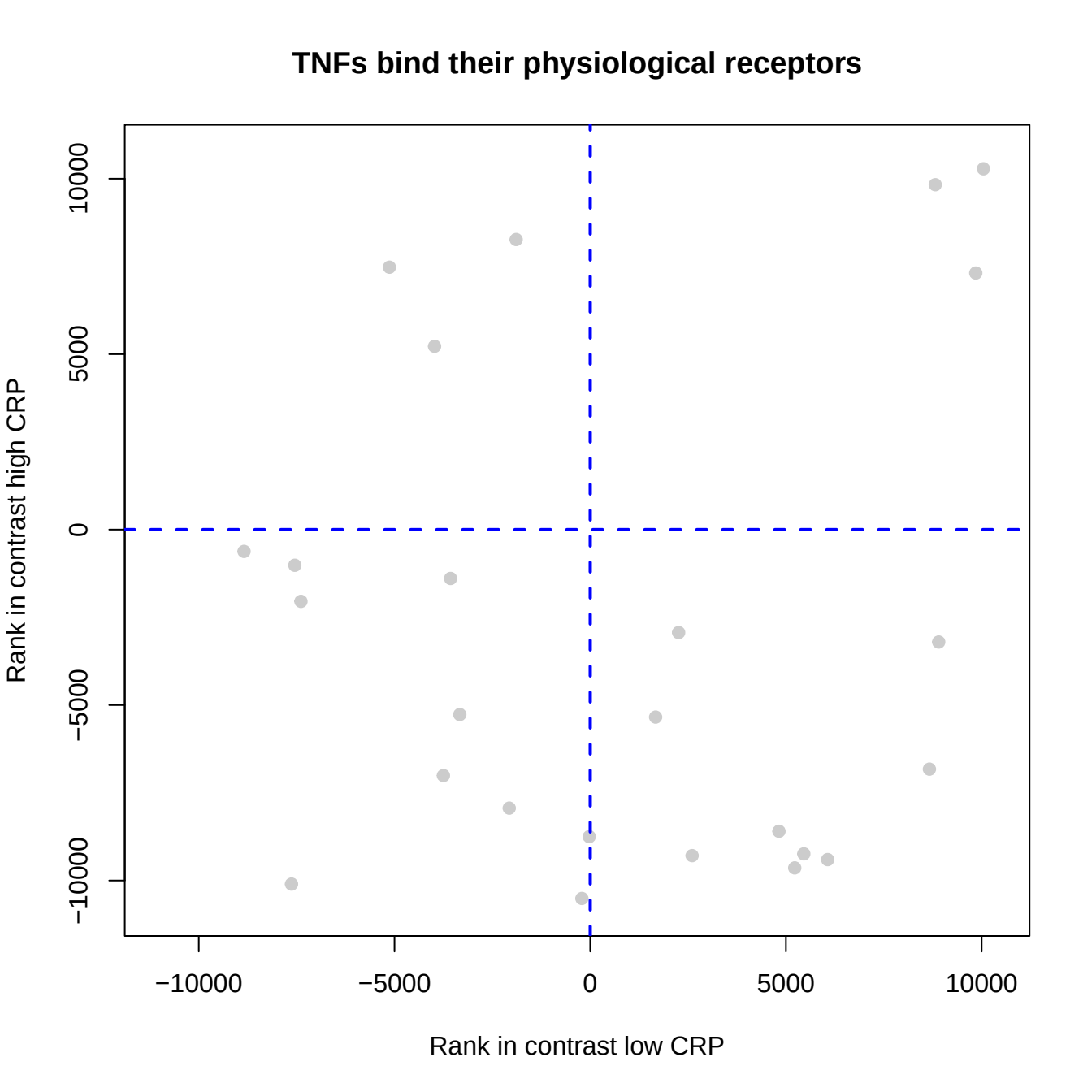

Formation of a pool of free 40S subunits
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

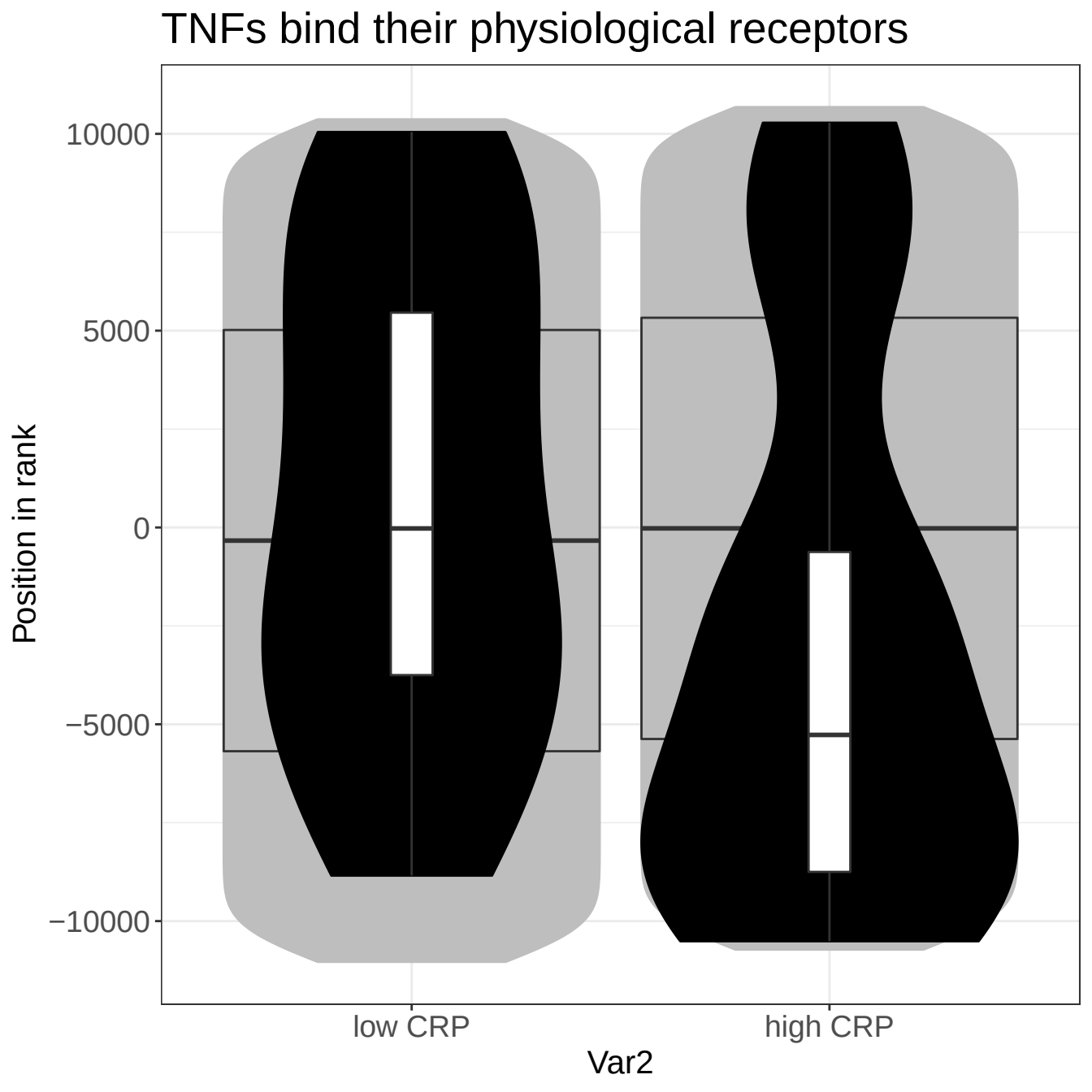

Viral mRNA Translation
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.5e−08
1.0e−08
5.0e−09
0.0e+00

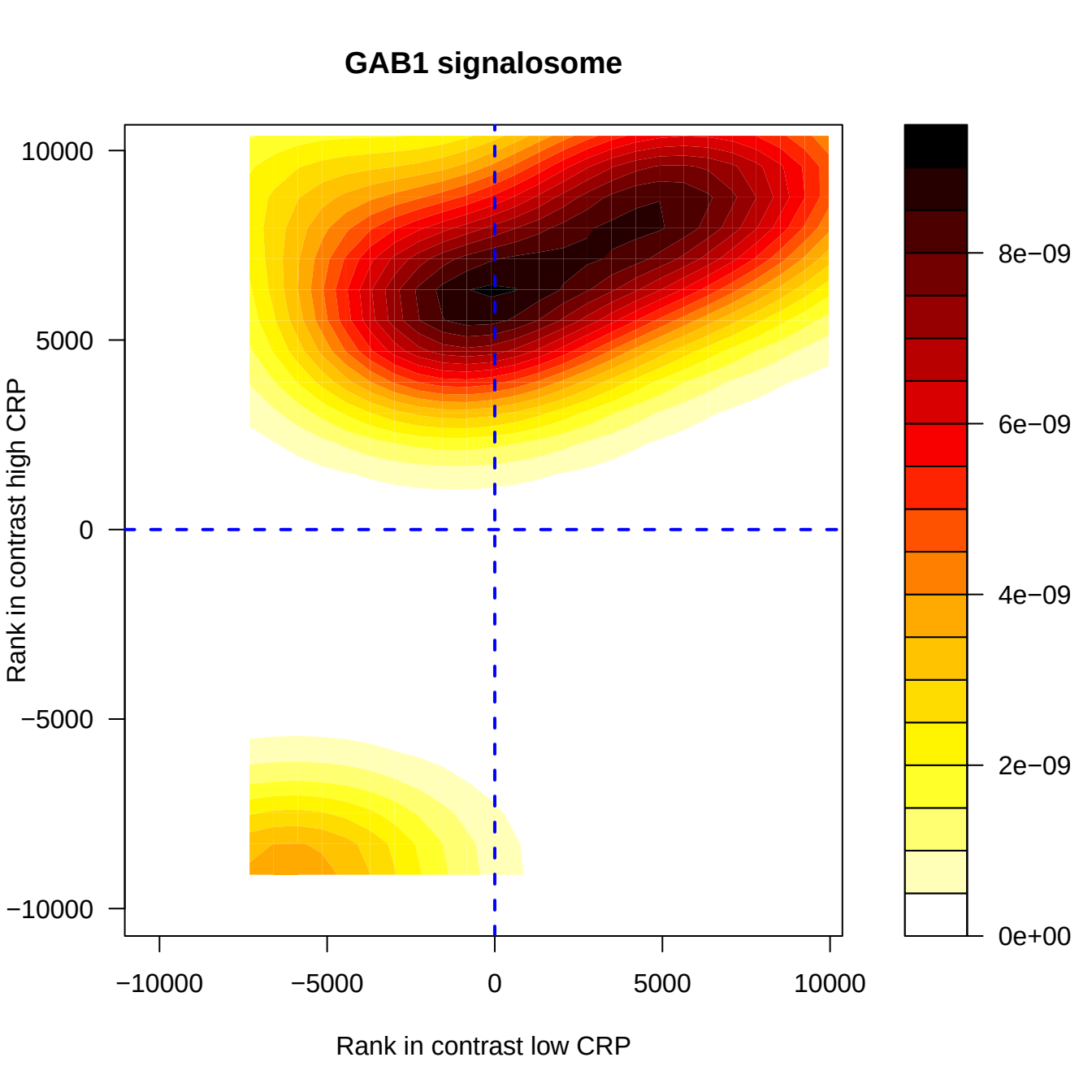

Viral mRNA Translation
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

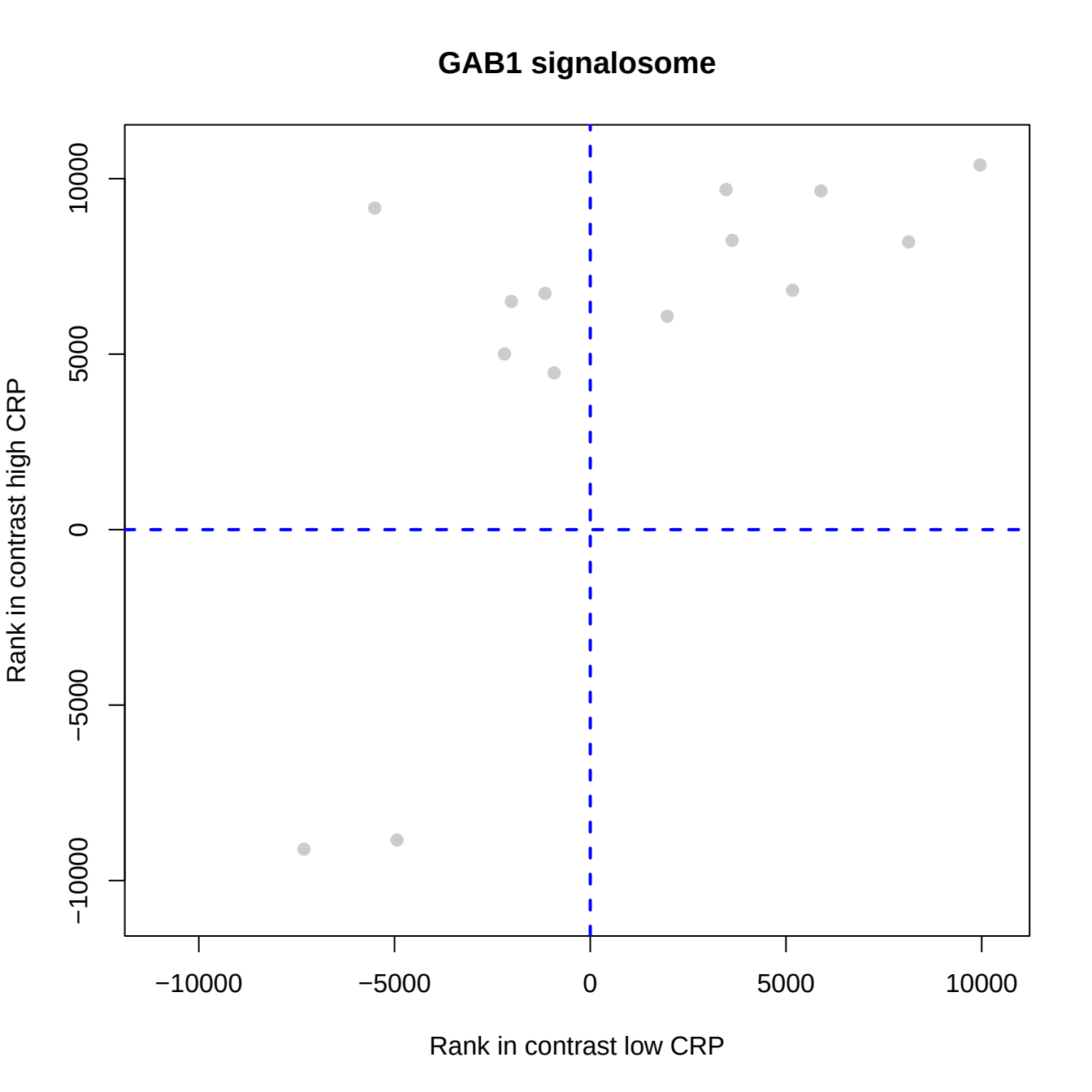

Viral mRNA Translation
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

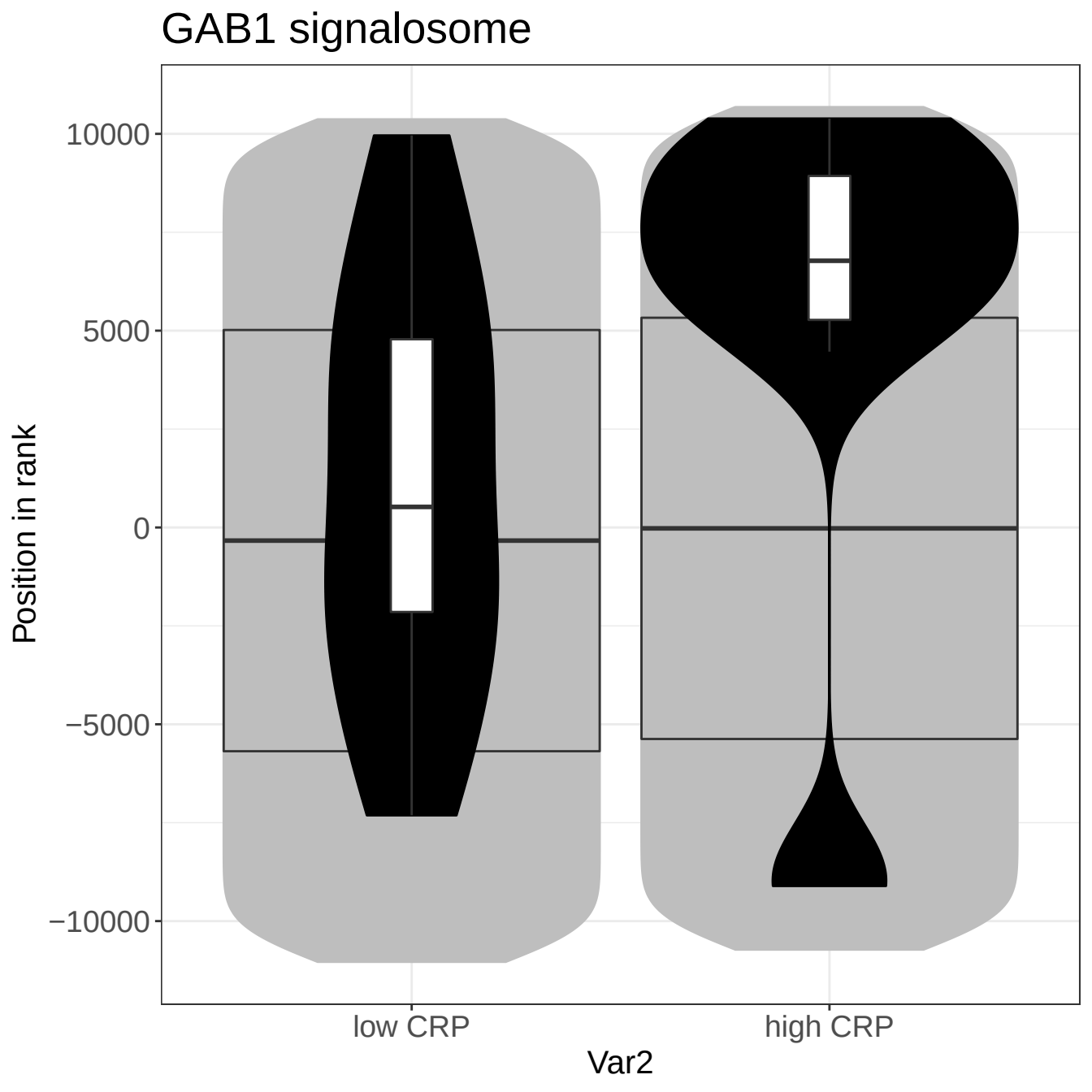

TNFs bind their physiological receptors
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
4.0e−09
3.5e−09
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10

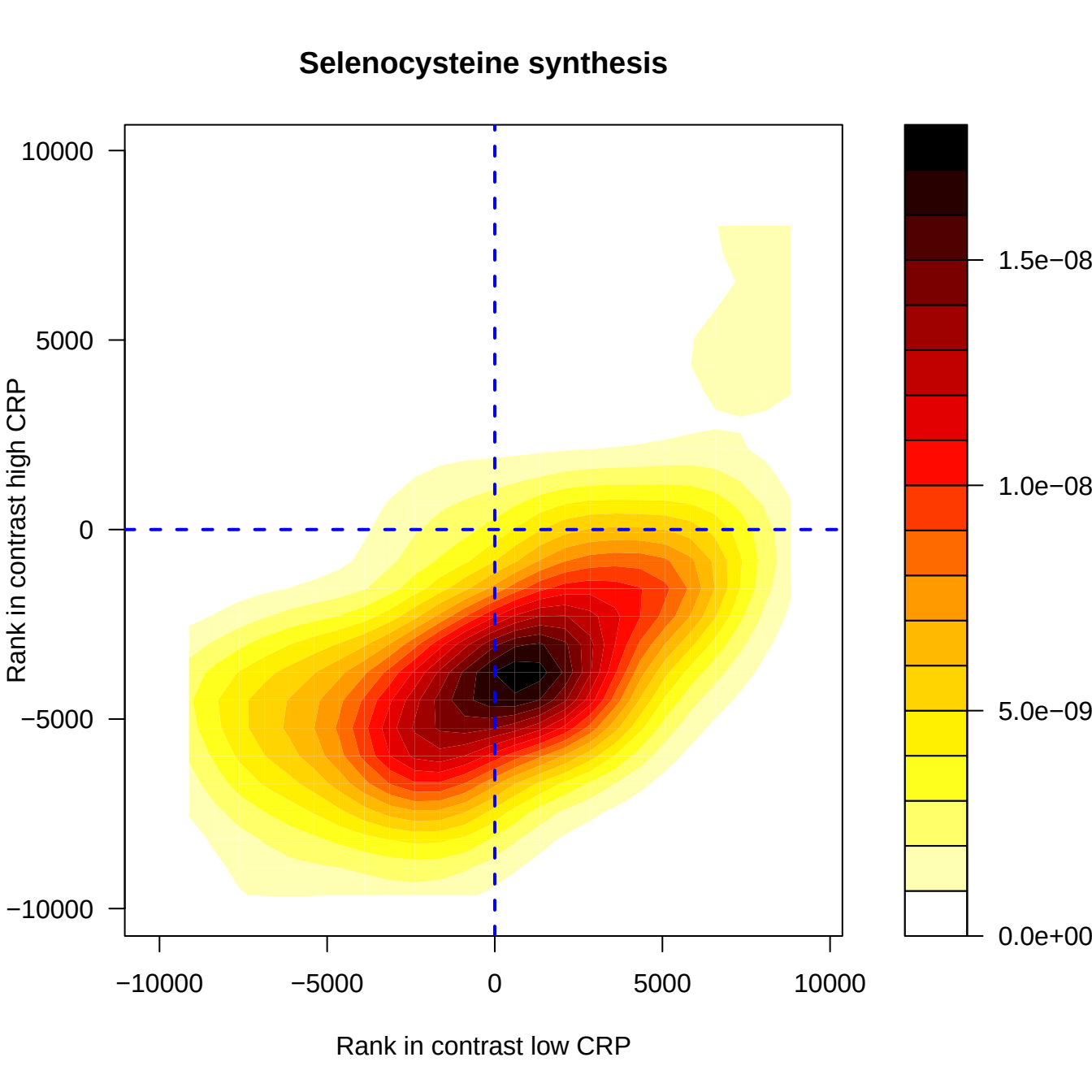

TNFs bind their physiological receptors
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

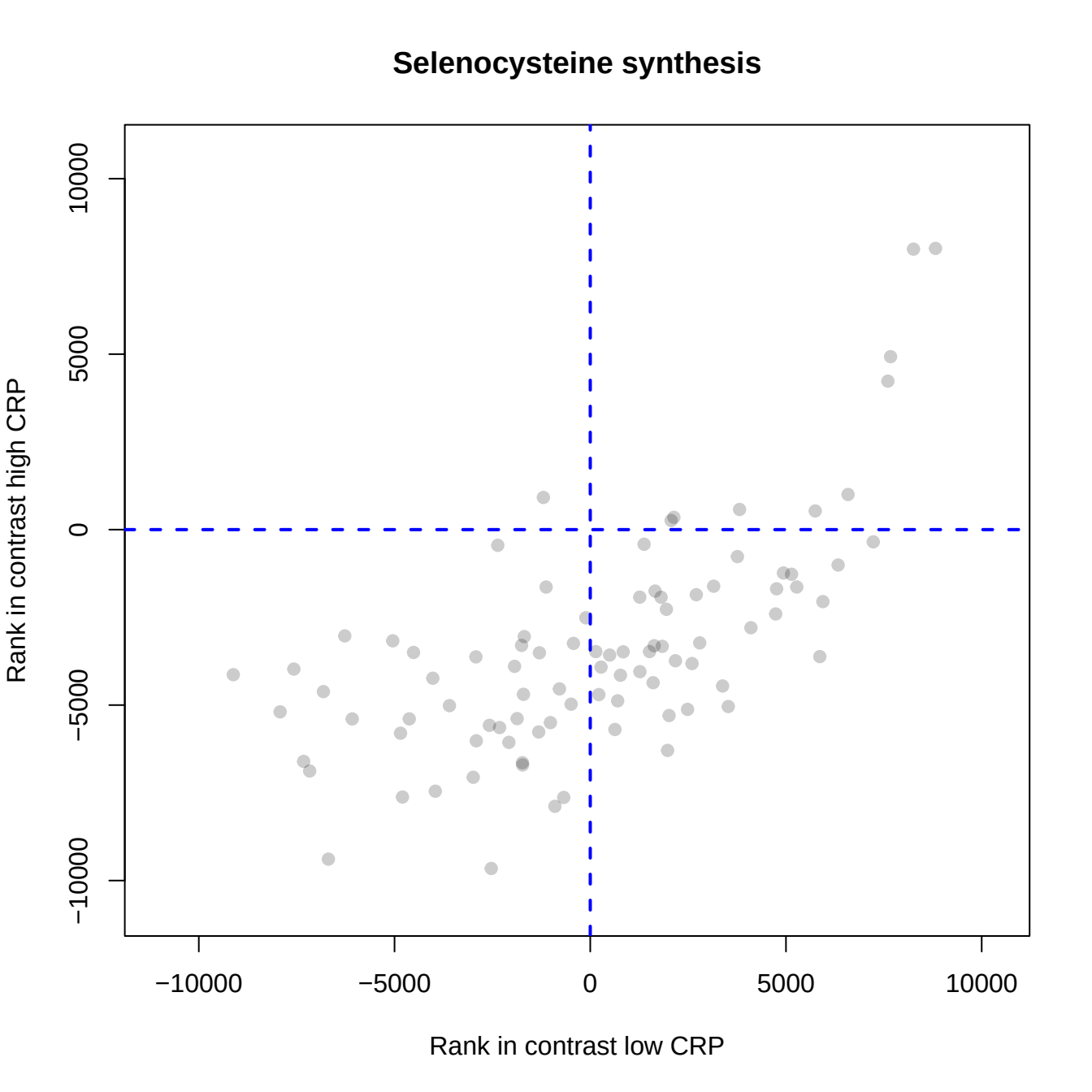

TNFs bind their physiological receptors
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

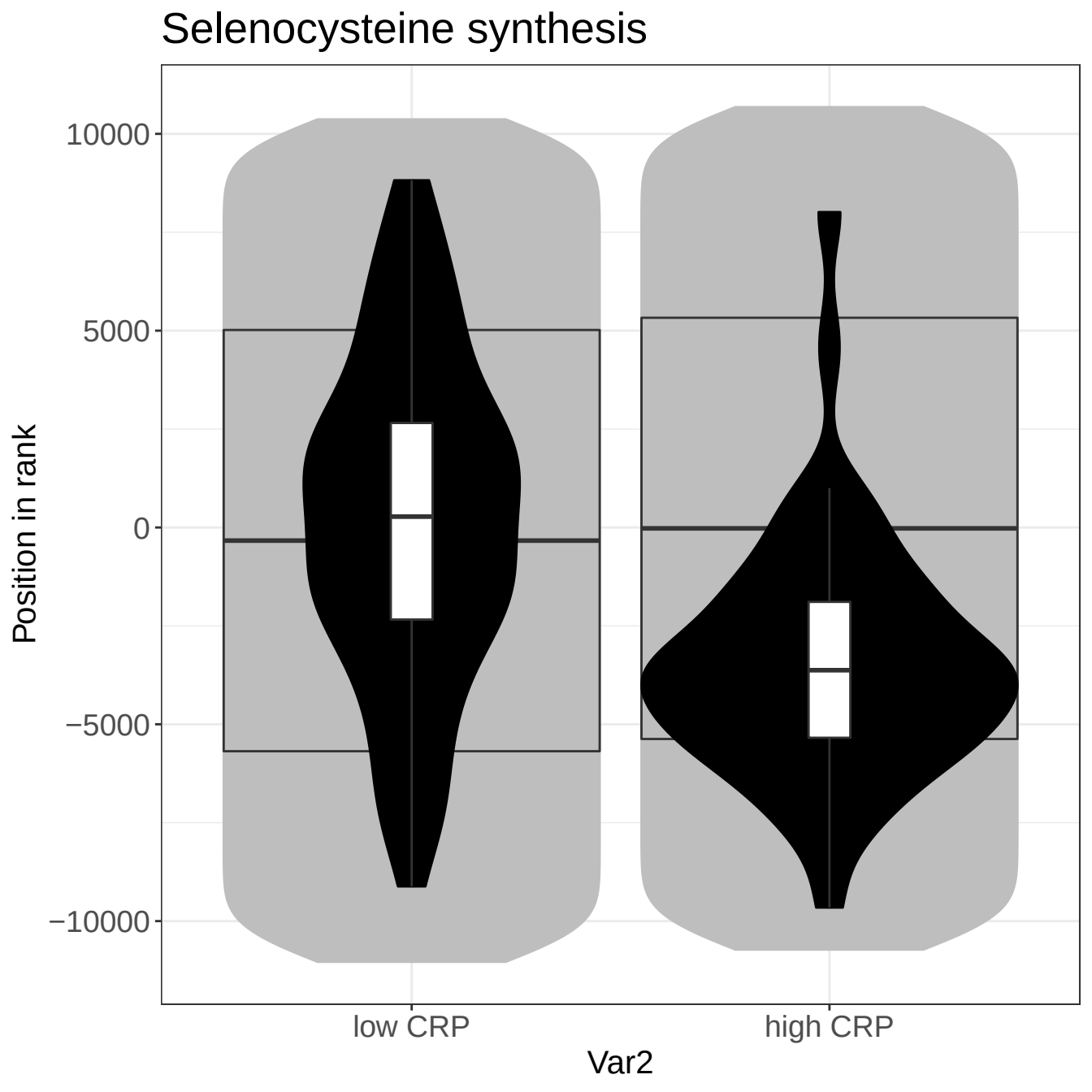

GAB1 signalosome
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
8e−09
6e−09
4e−09
2e−09
0e+00

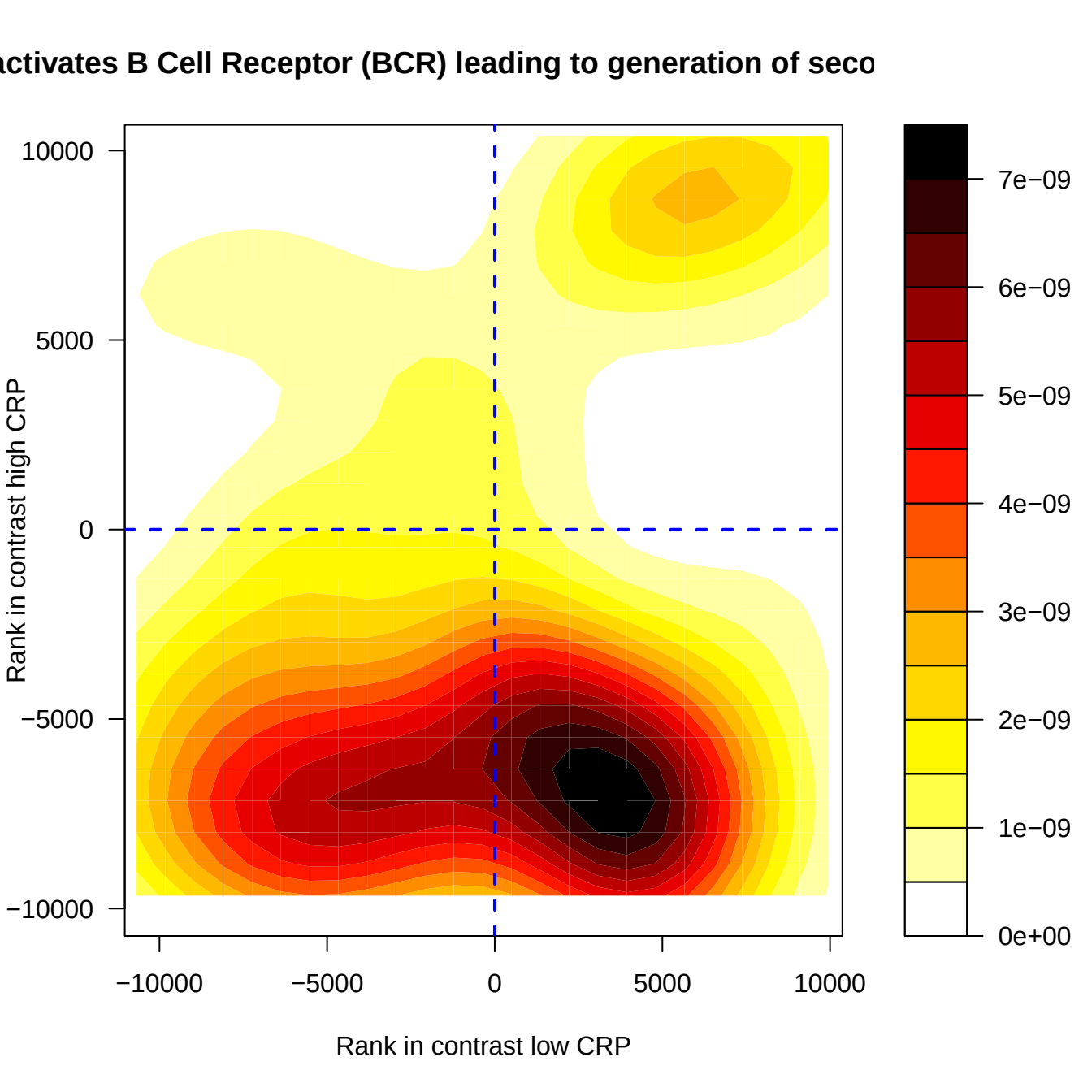

GAB1 signalosome
Rank in contrast high CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000
Rank in contrast low CRP

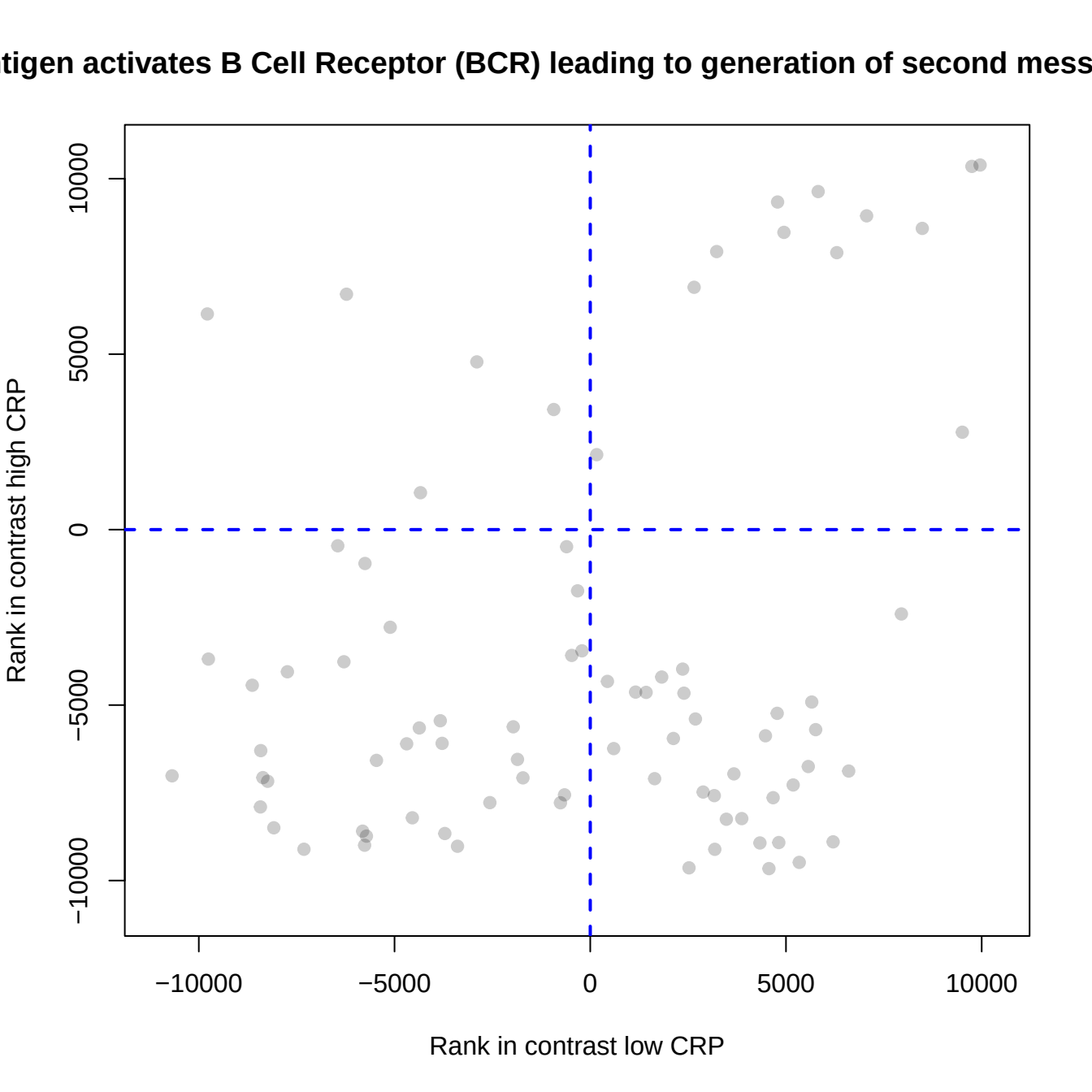

GAB1 signalosome
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

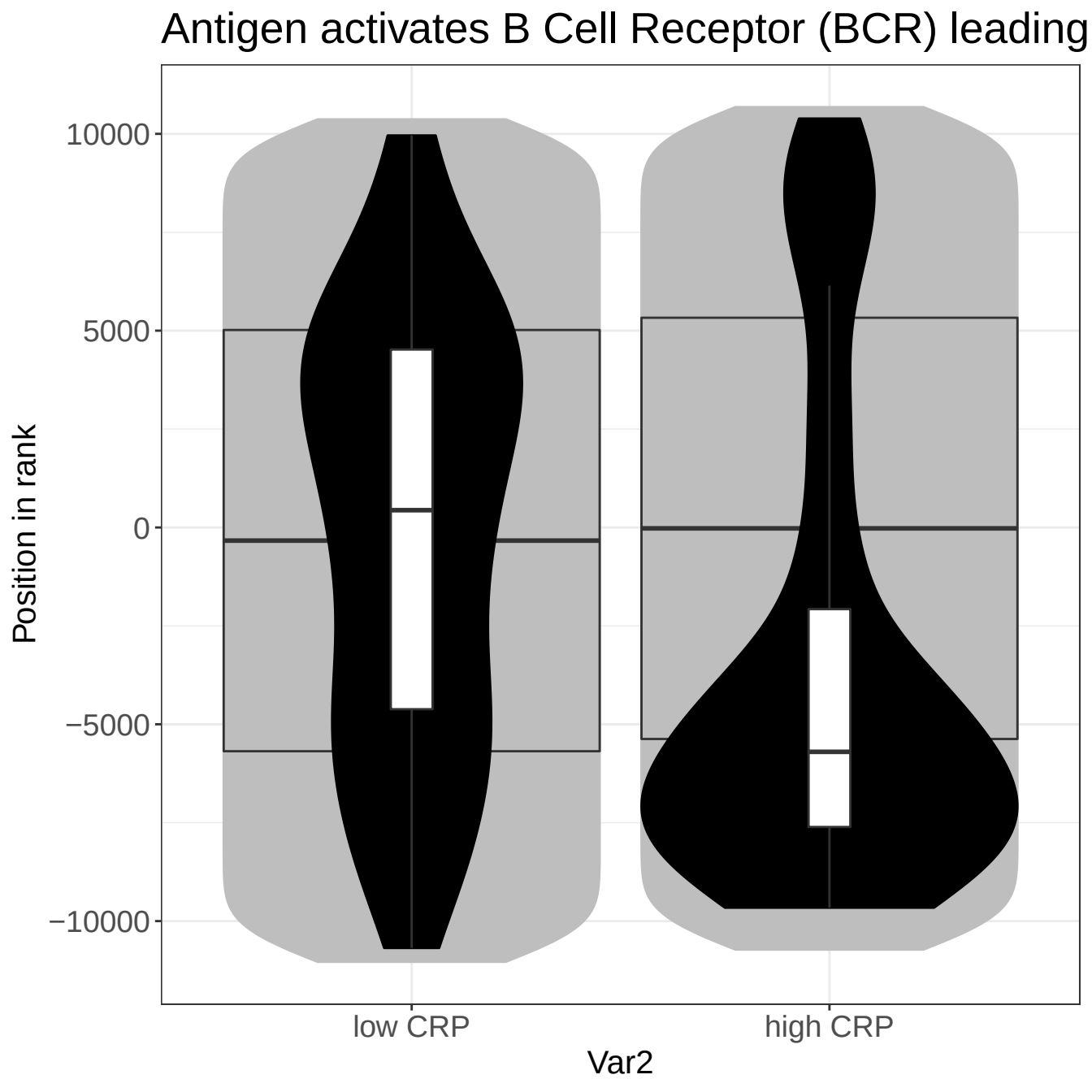

Selenocysteine synthesis
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.5e−08
1.0e−08
5.0e−09
0.0e+00

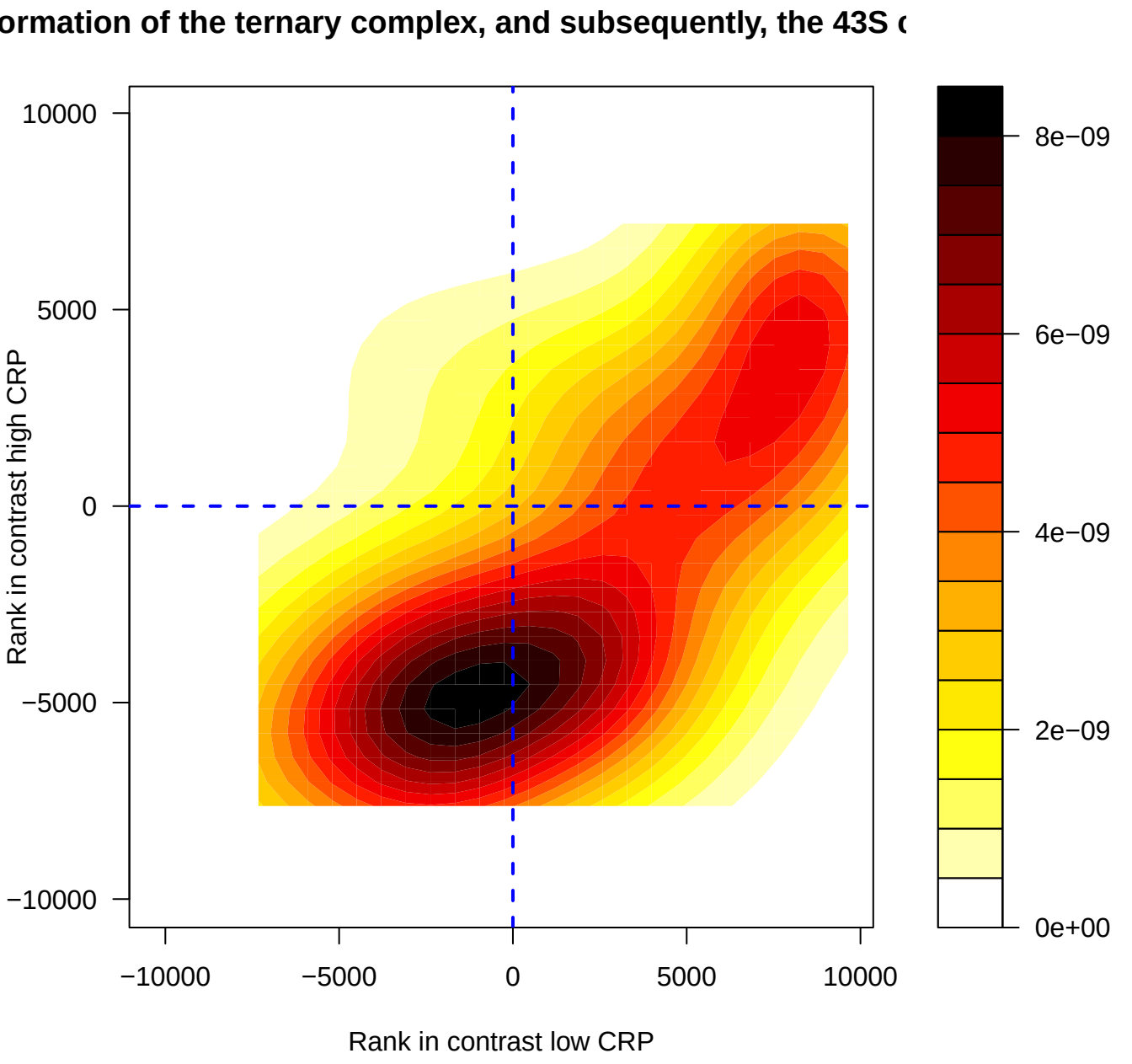

Selenocysteine synthesis
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

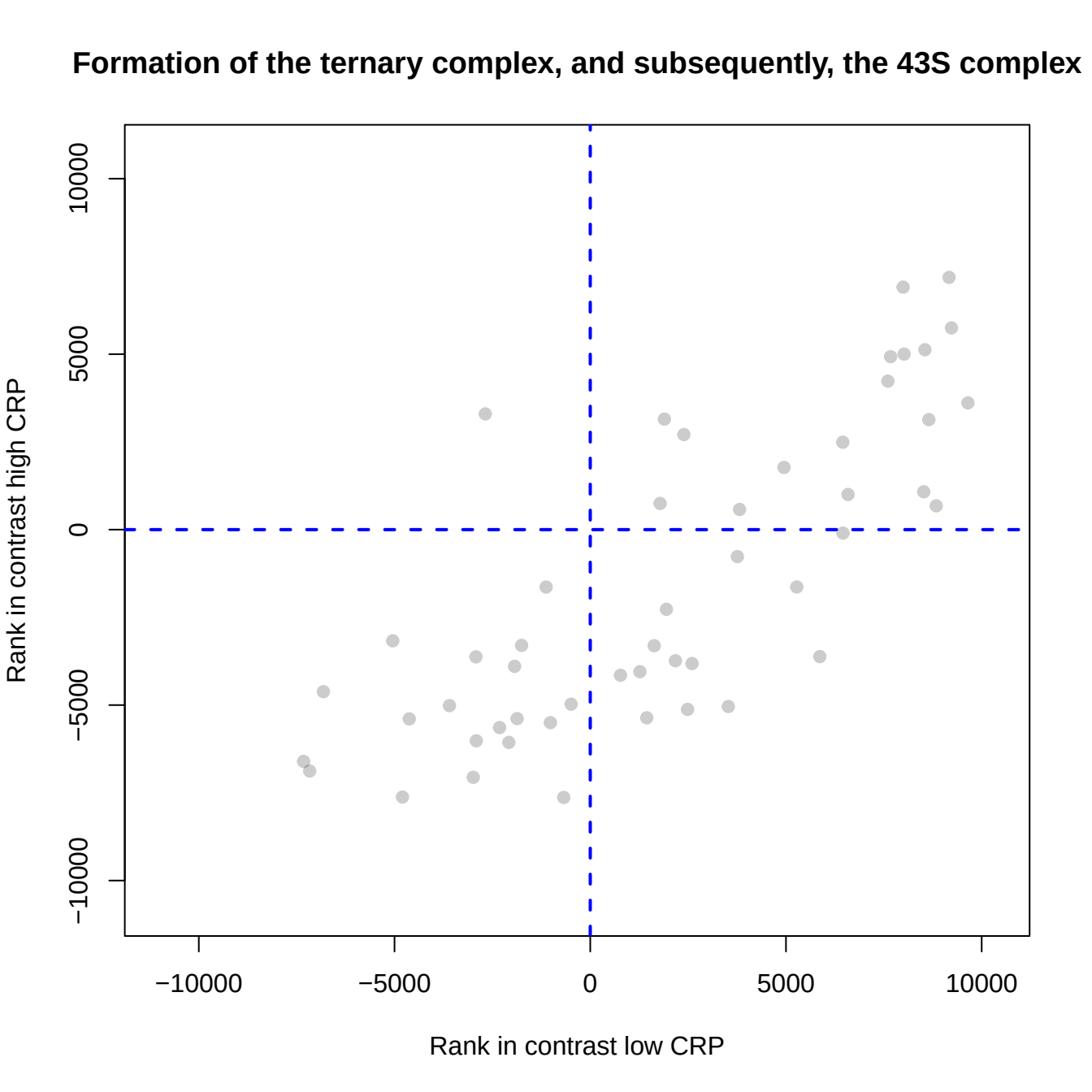

Selenocysteine synthesis
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

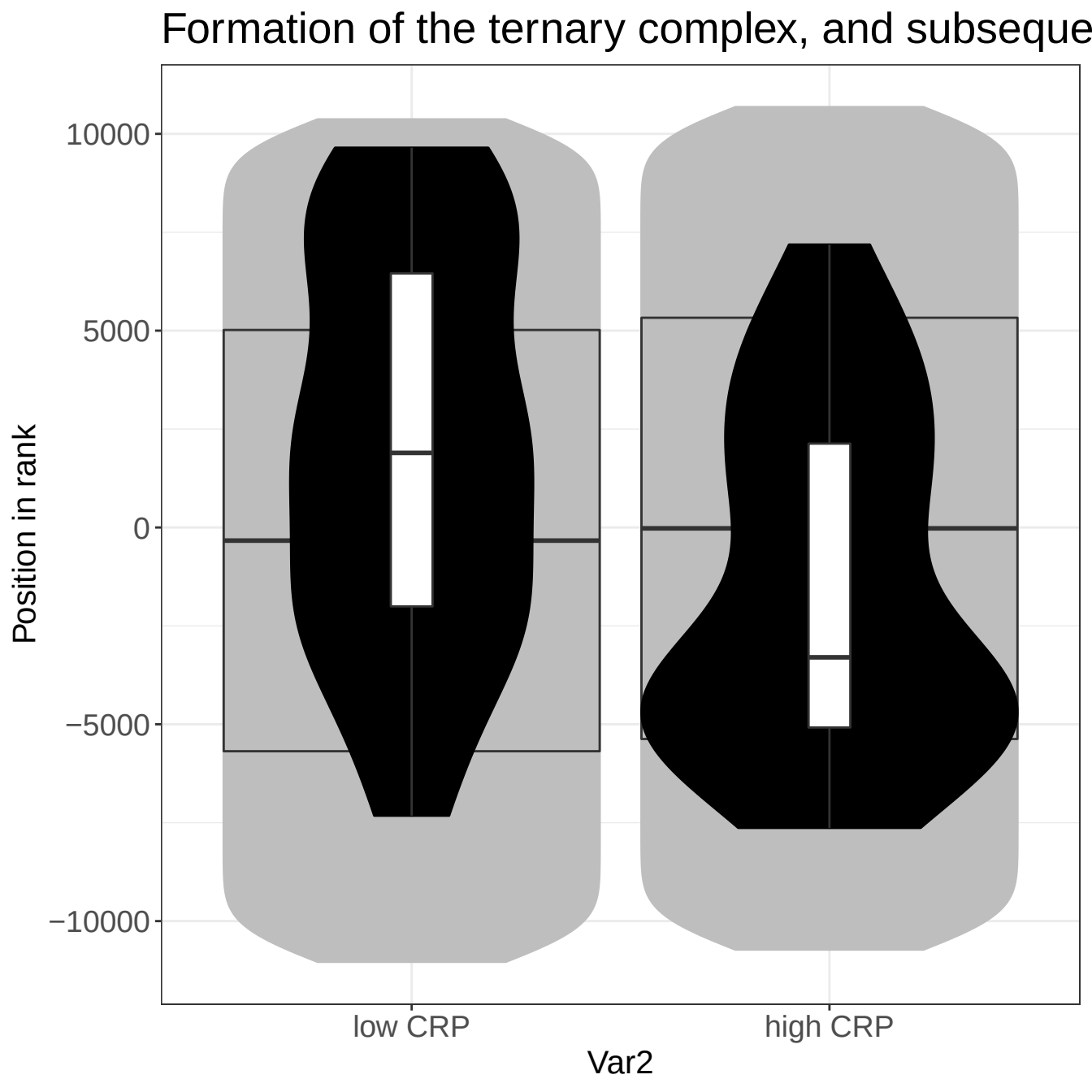

ctivates B Cell Receptor (BCR) leading to generation of seco
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
7e−09
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

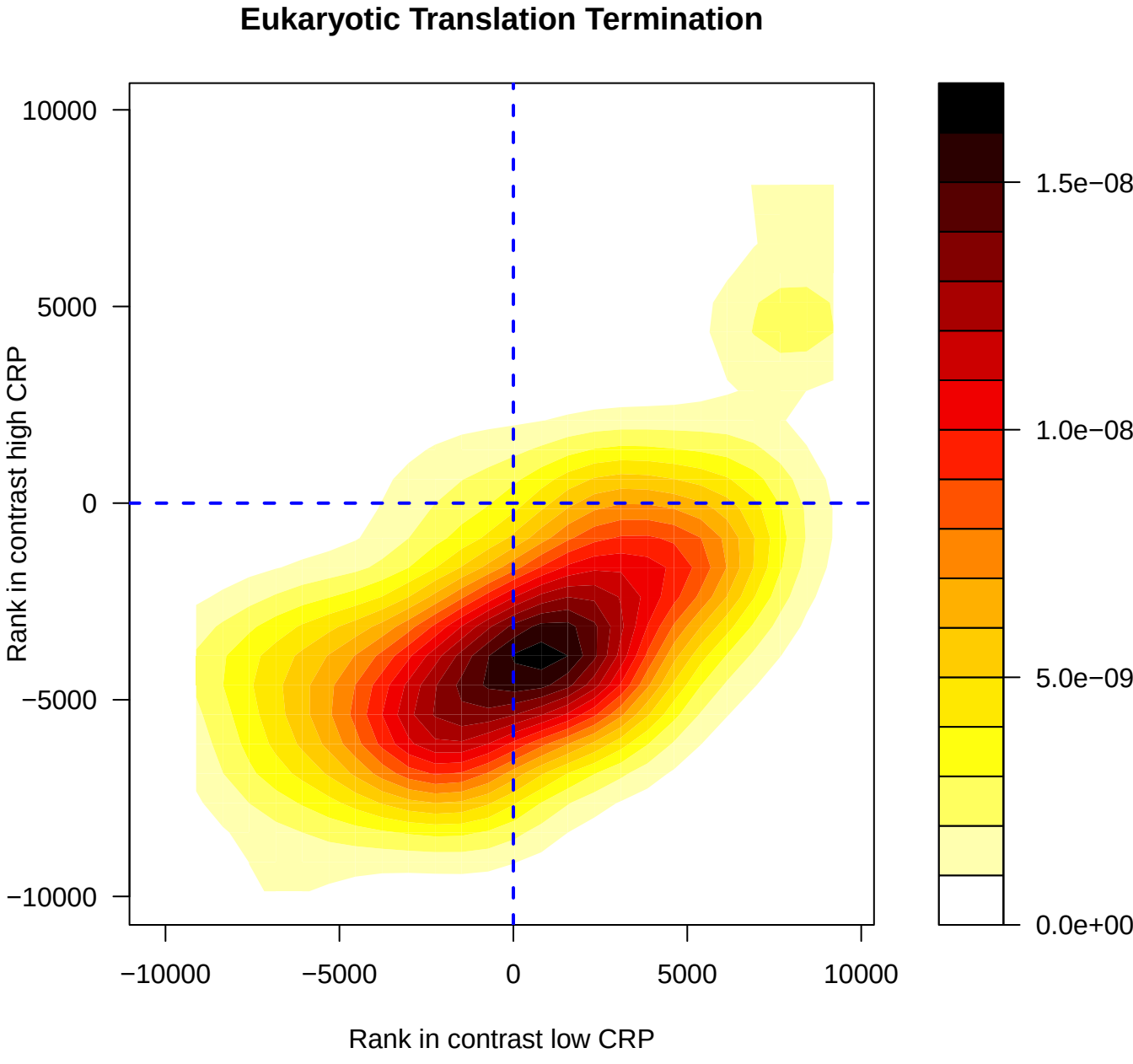

tigen activates B Cell Receptor (BCR) leading to generation of second mess
Rank in contrast high CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000
Rank in contrast low CRP

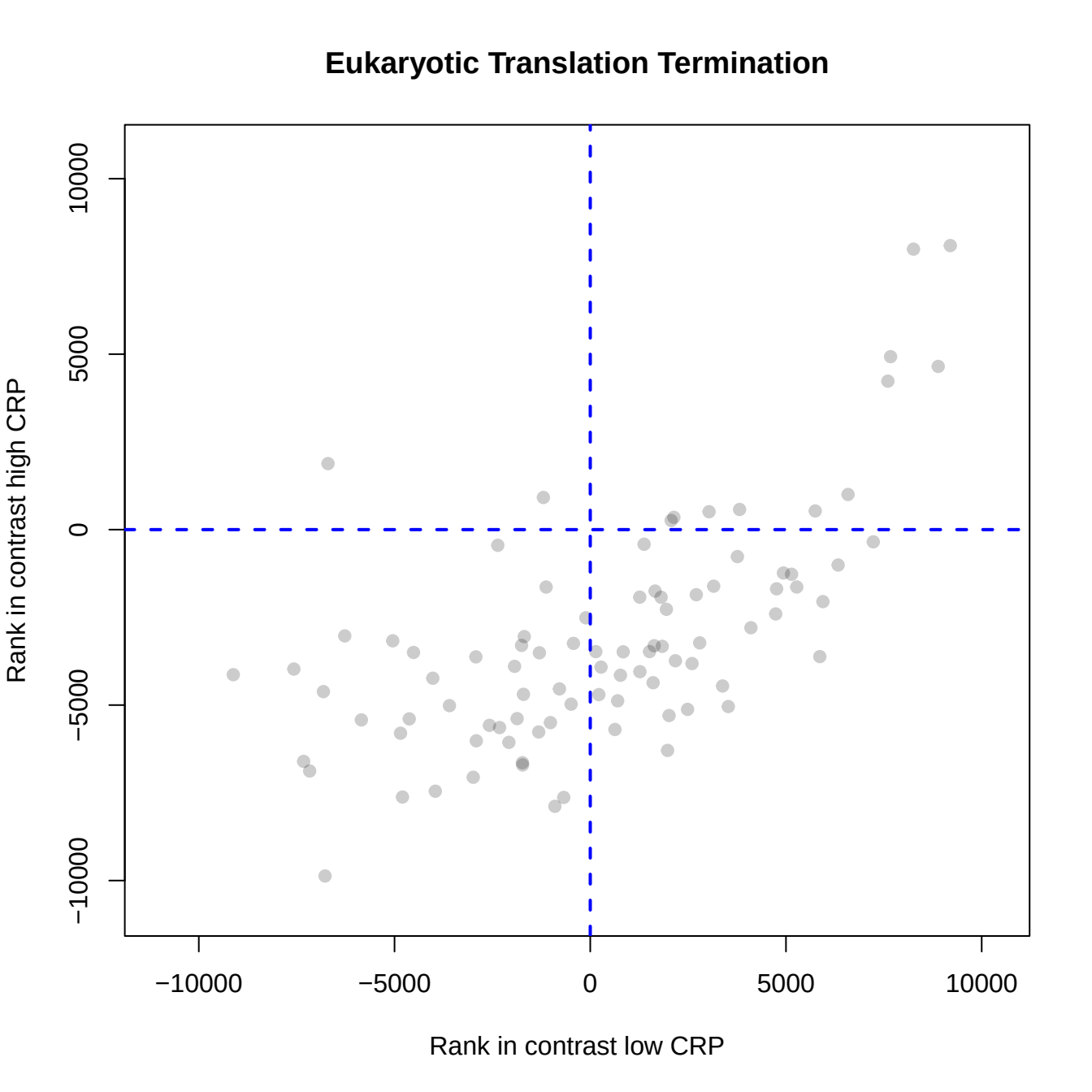

Antigen activates B Cell Receptor (BCR) leading
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

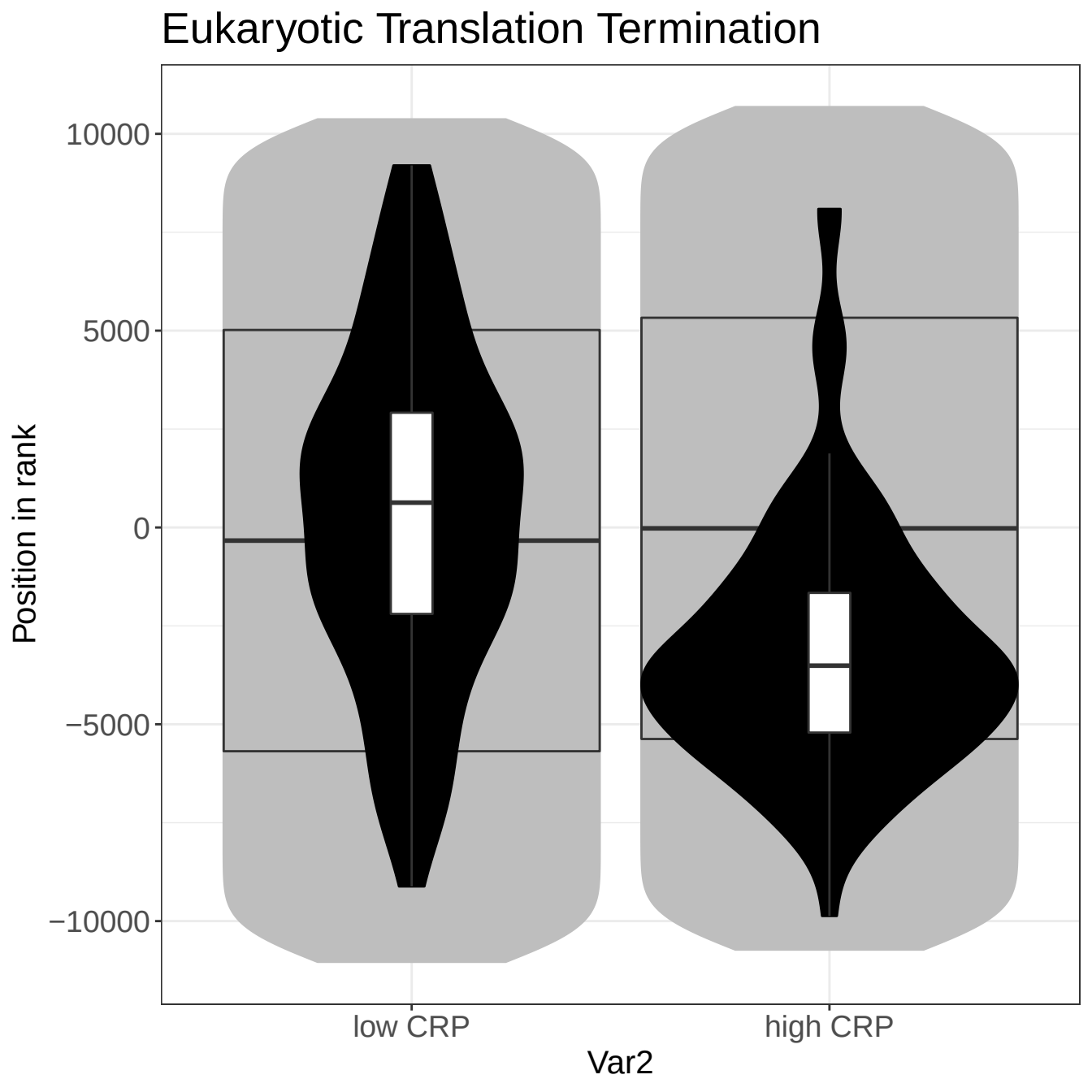

ormation of the ternary complex, and subsequently, the 43S c
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
8e−09
6e−09
4e−09
2e−09
0e+00

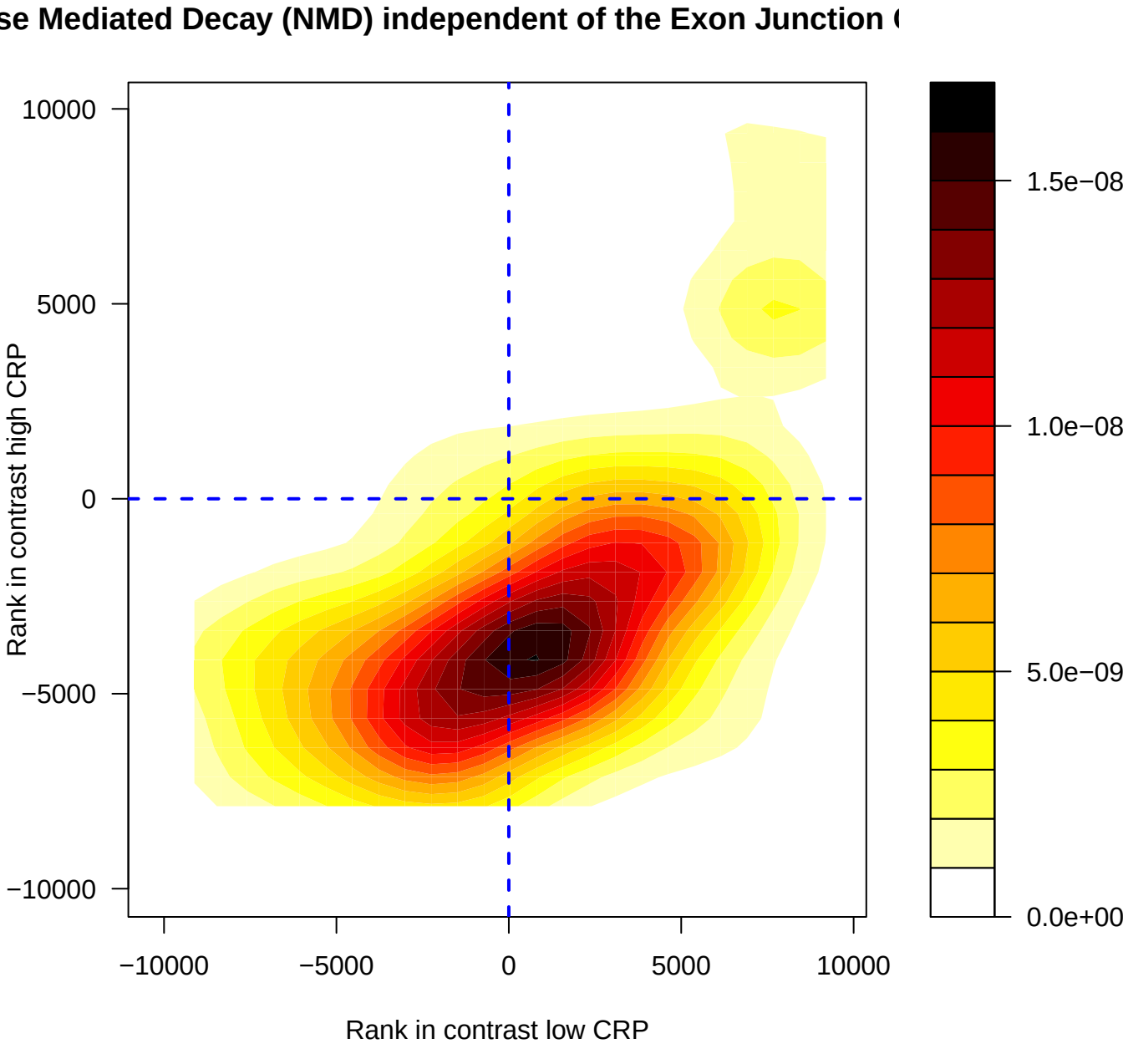

Formation of the ternary complex, and subsequently, the 43S complex
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

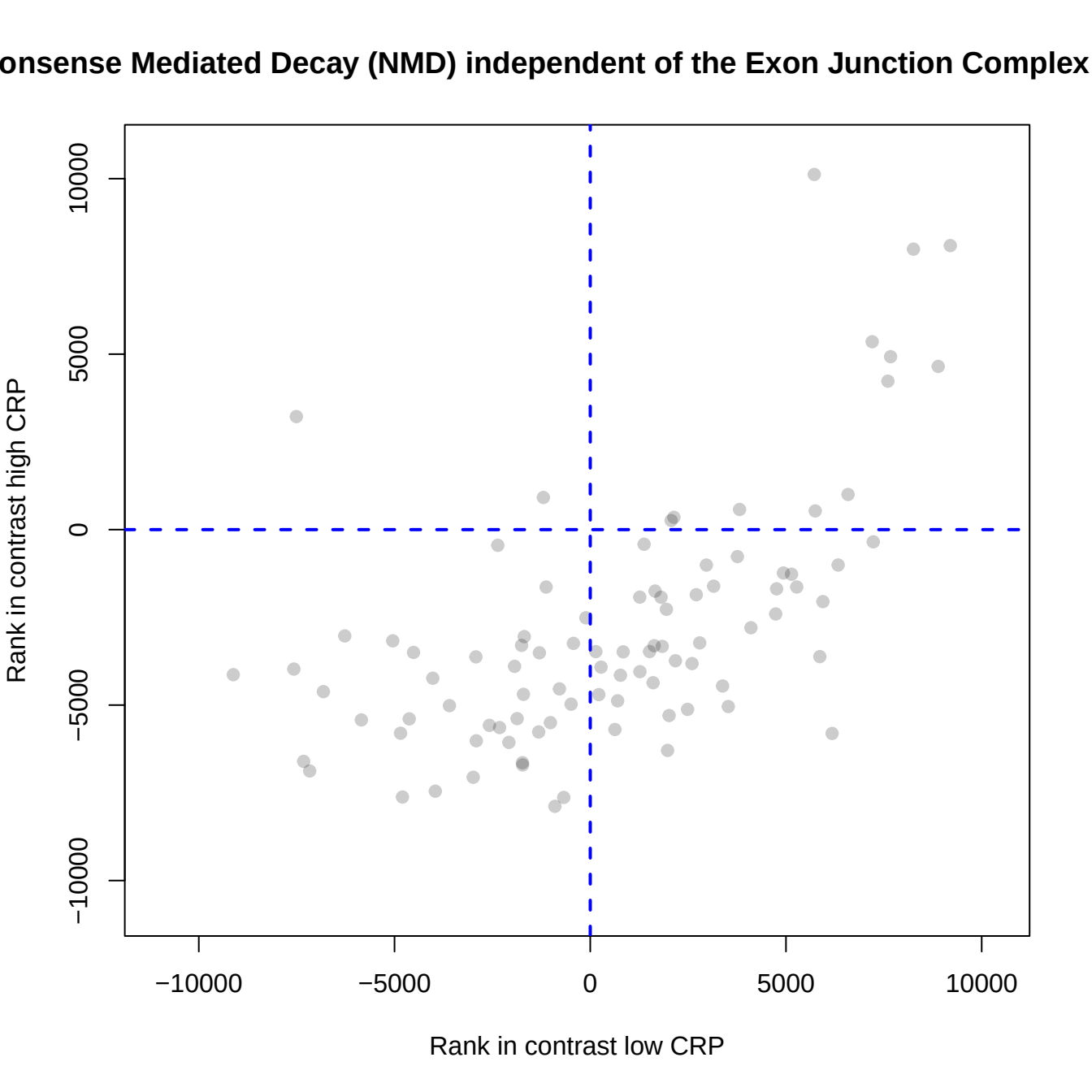

Formation of the ternary complex, and subseque
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

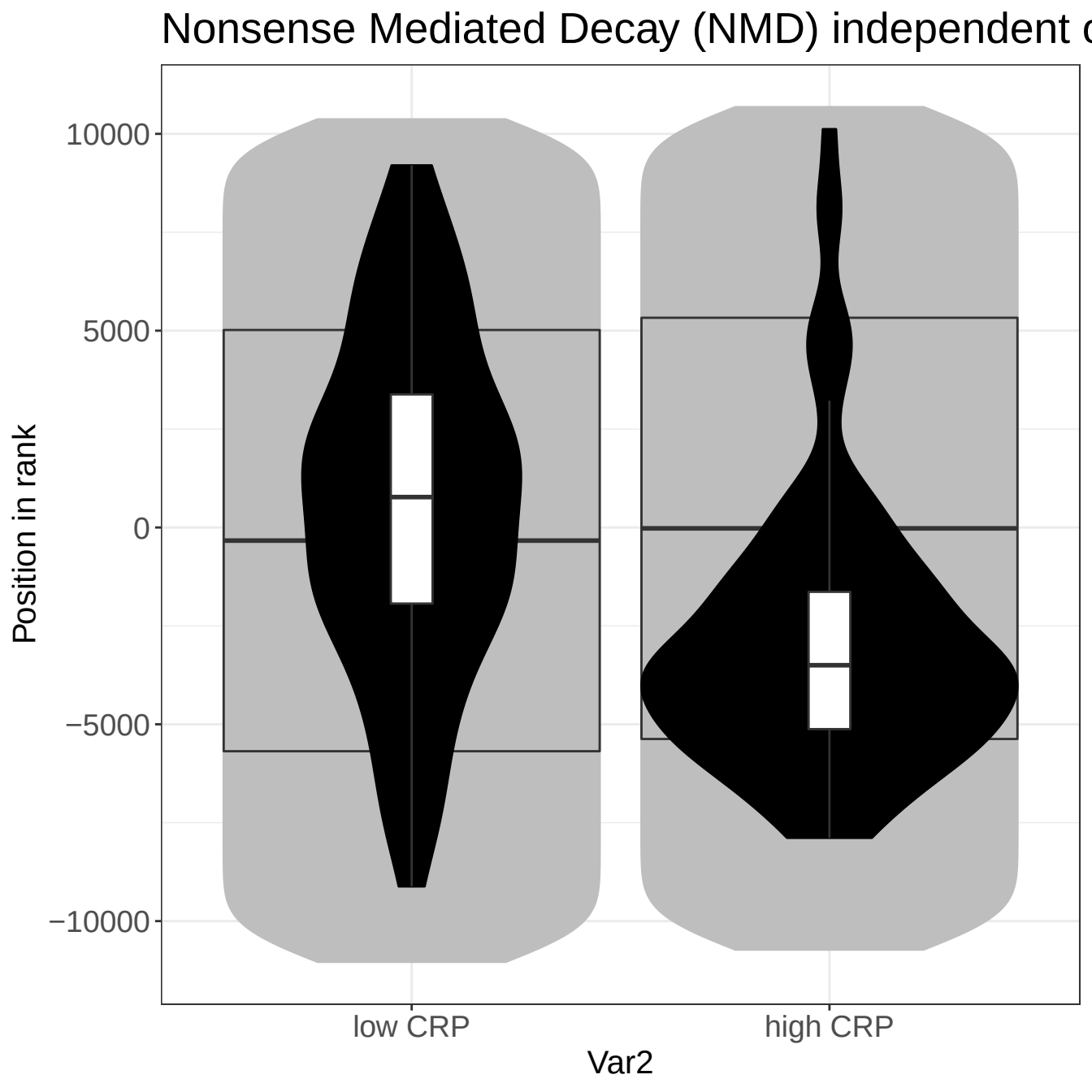

Eukaryotic Translation Termination
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.5e−08
1.0e−08
5.0e−09
0.0e+00

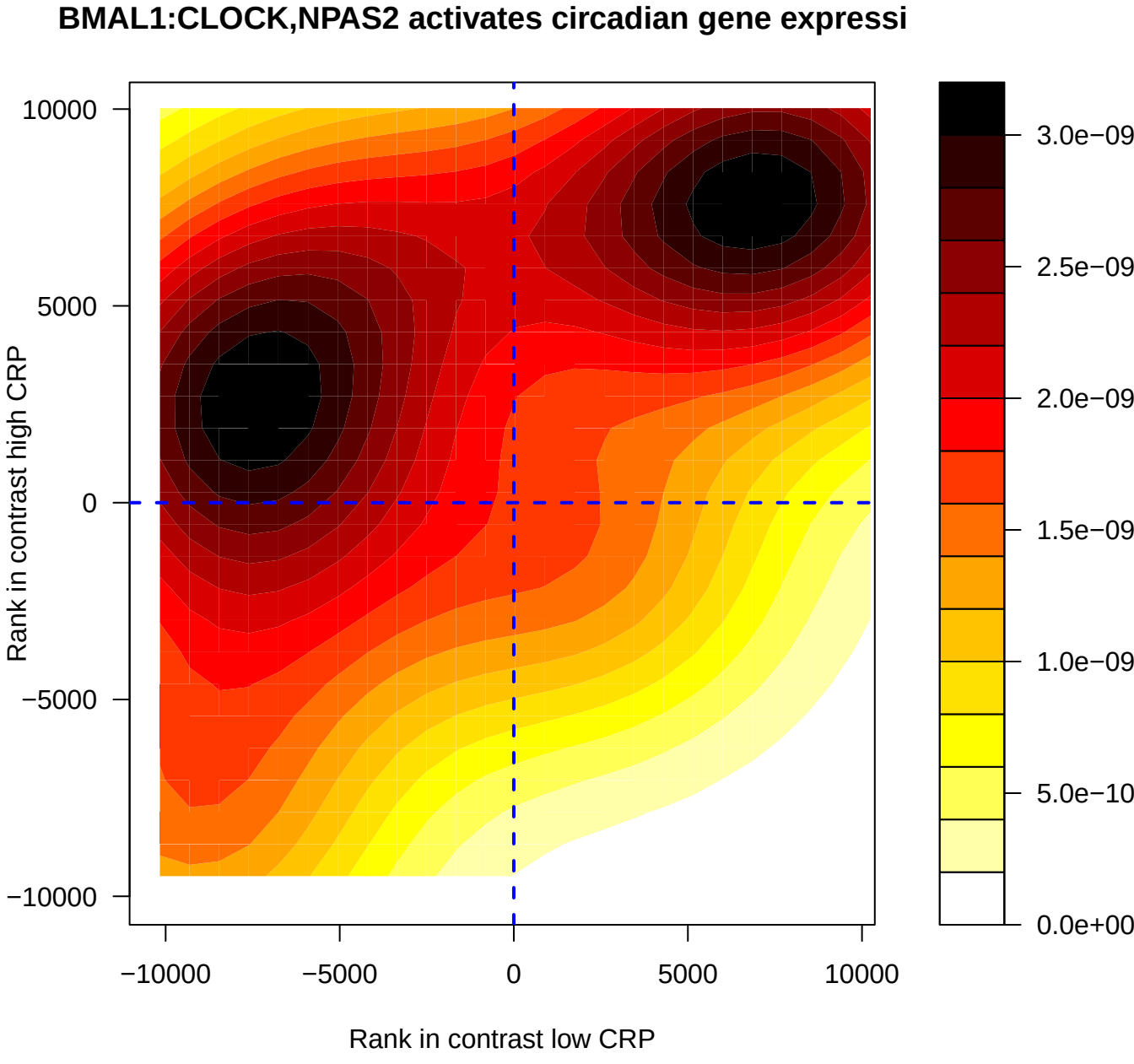

Eukaryotic Translation Termination
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

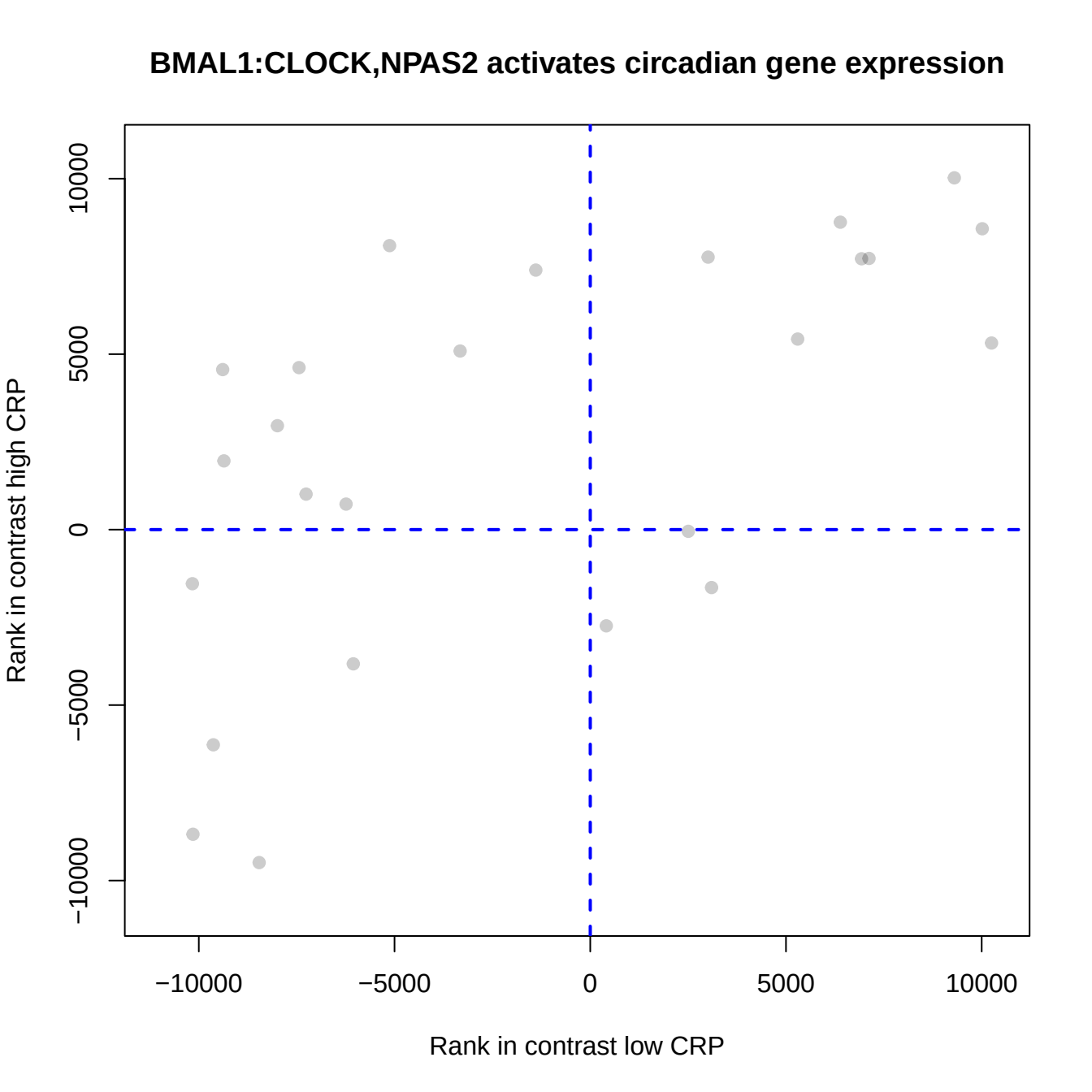

Eukaryotic Translation Termination
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

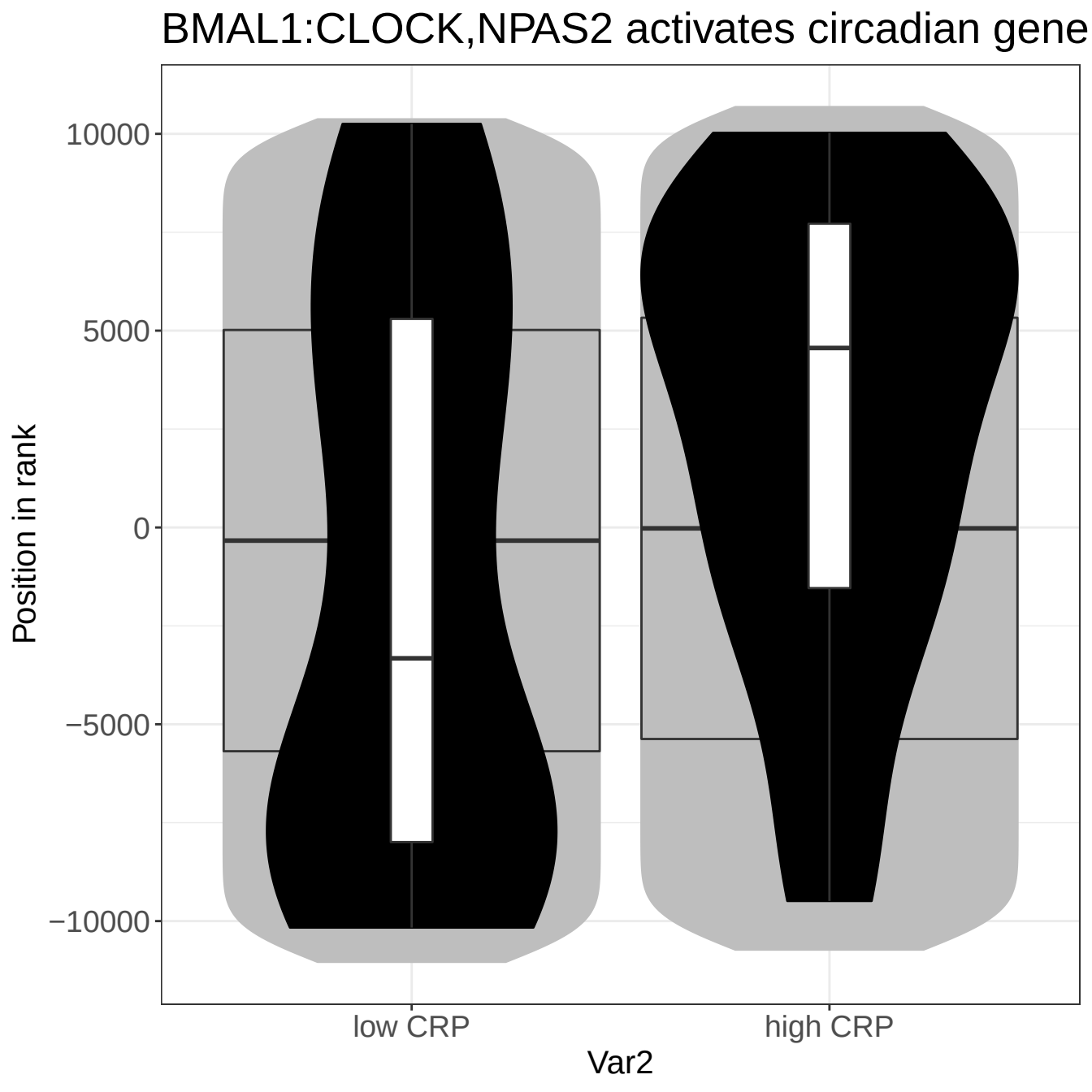

se Mediated Decay (NMD) independent of the Exon Junction
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.5e−08
1.0e−08
5.0e−09
0.0e+00

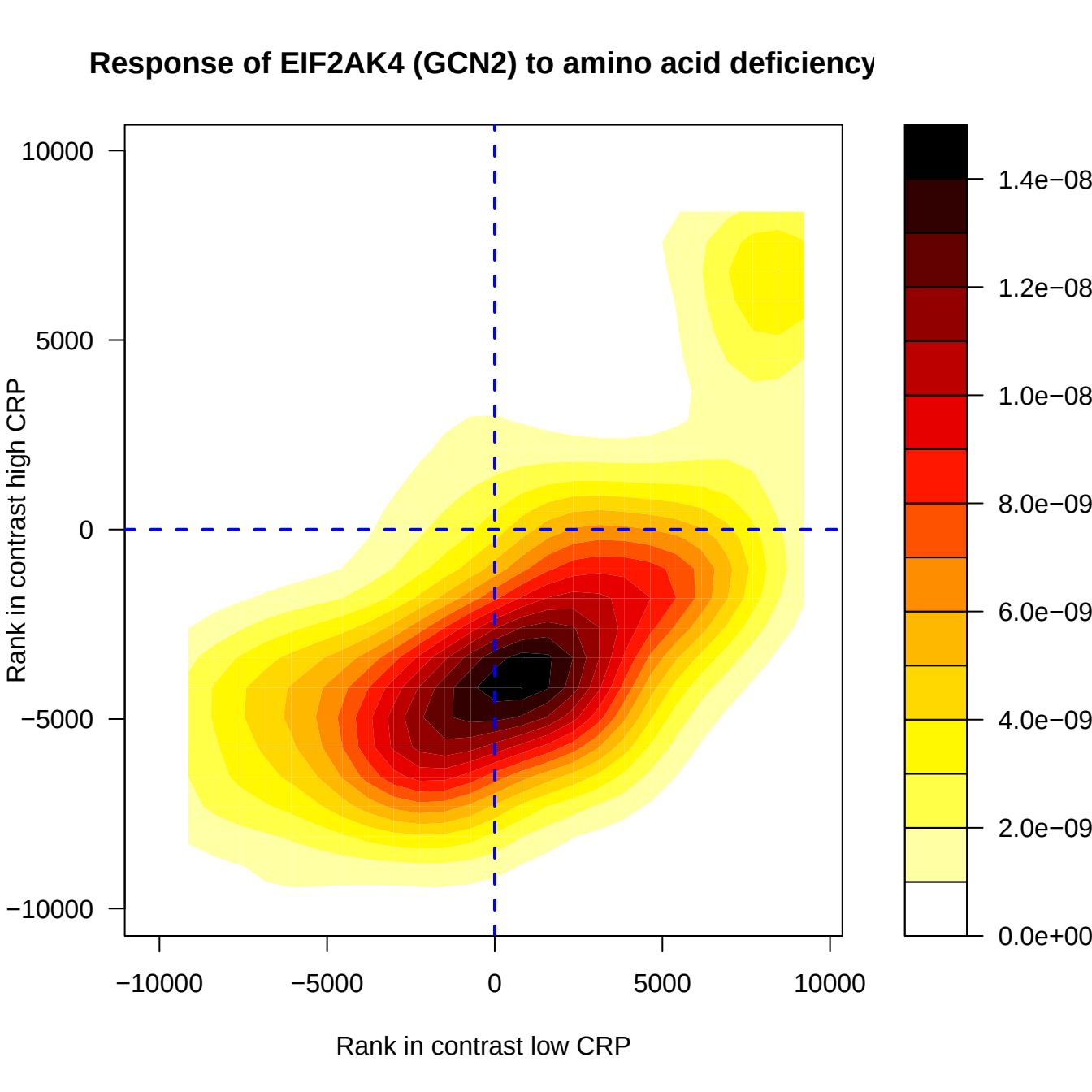

onsense Mediated Decay (NMD) independent of the Exon Junction Complex
Rank in contrast high CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000
Rank in contrast low CRP

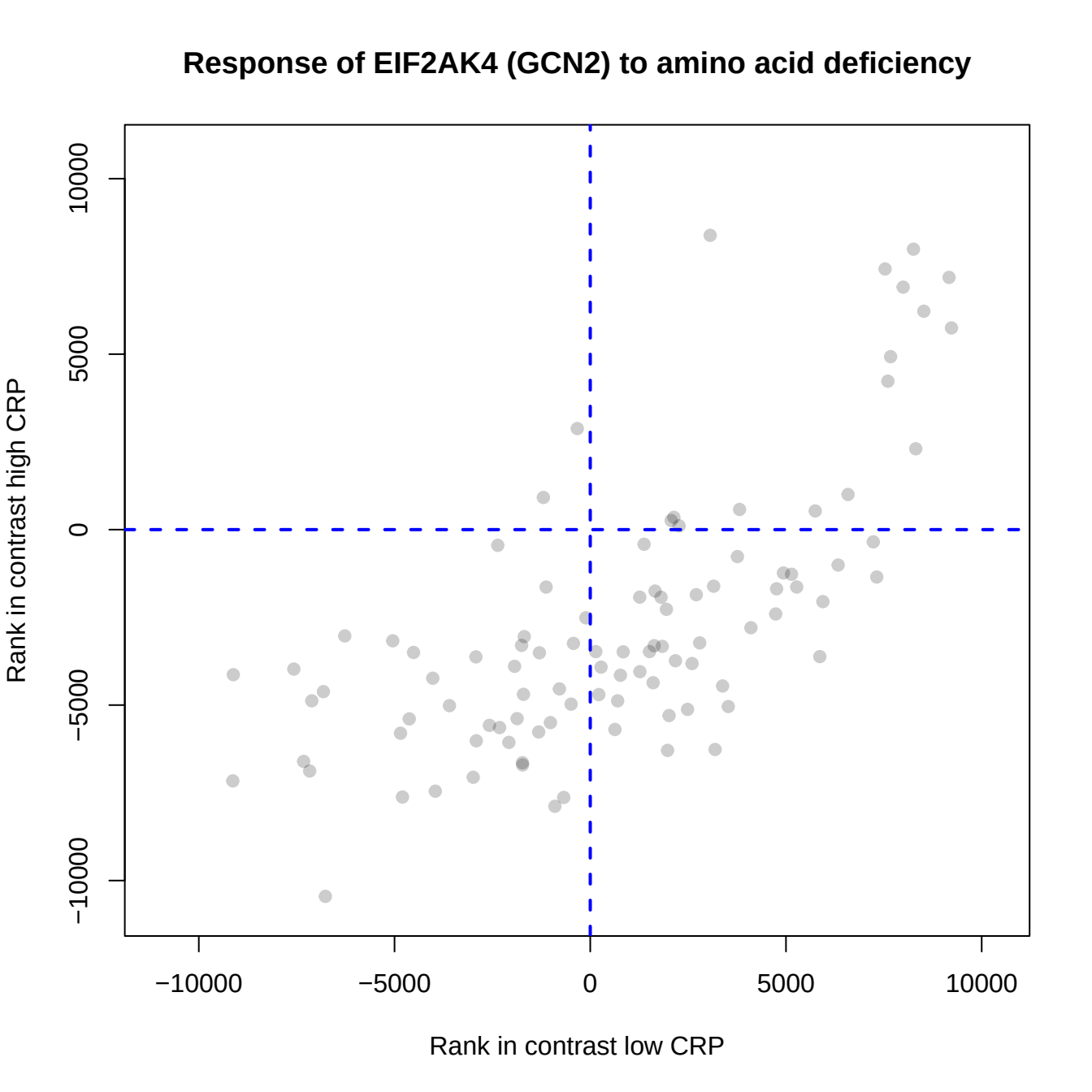

Nonsense Mediated Decay (NMD) independent c
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

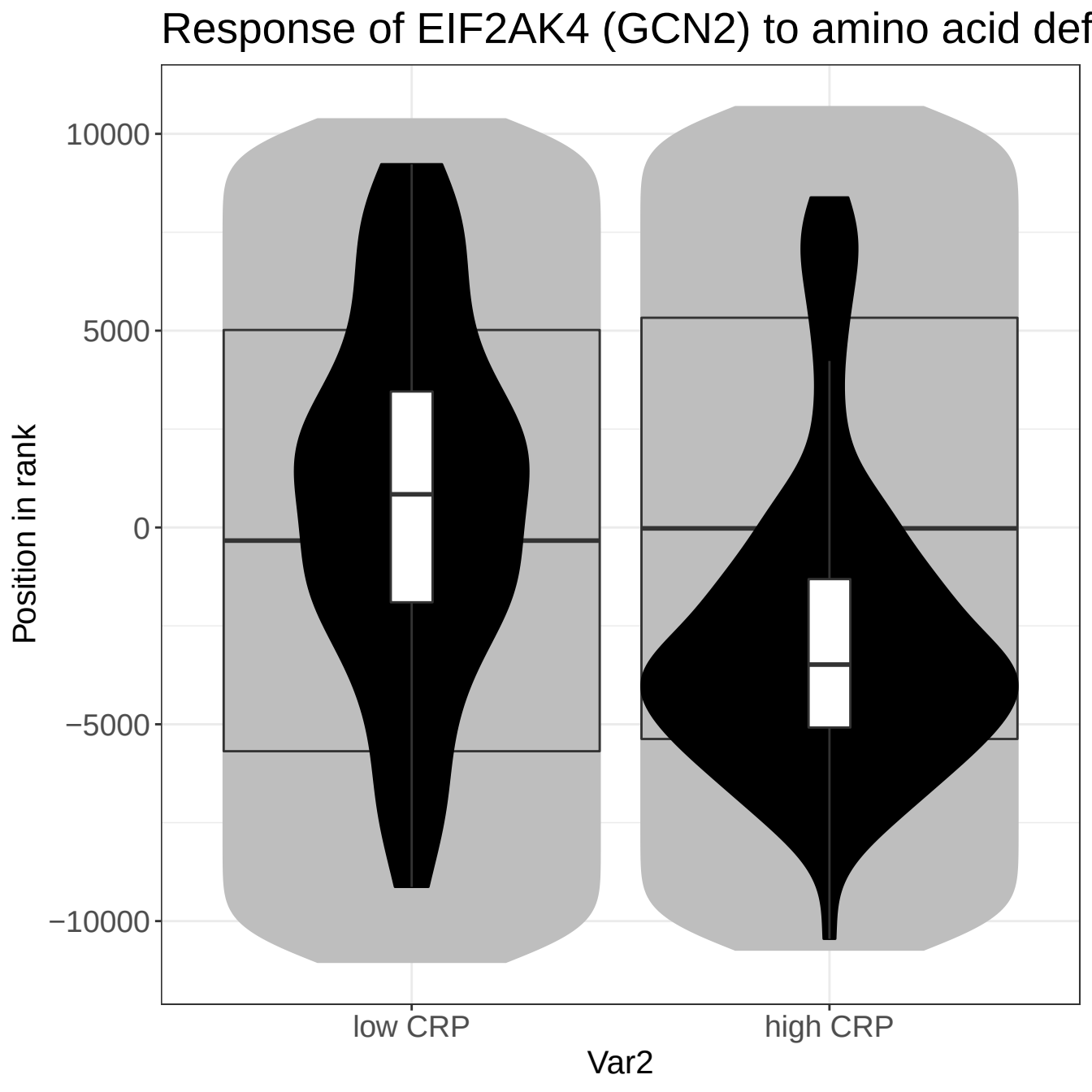

BMAL1:CLOCK,NPAS2 activates circadian gene expressi
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

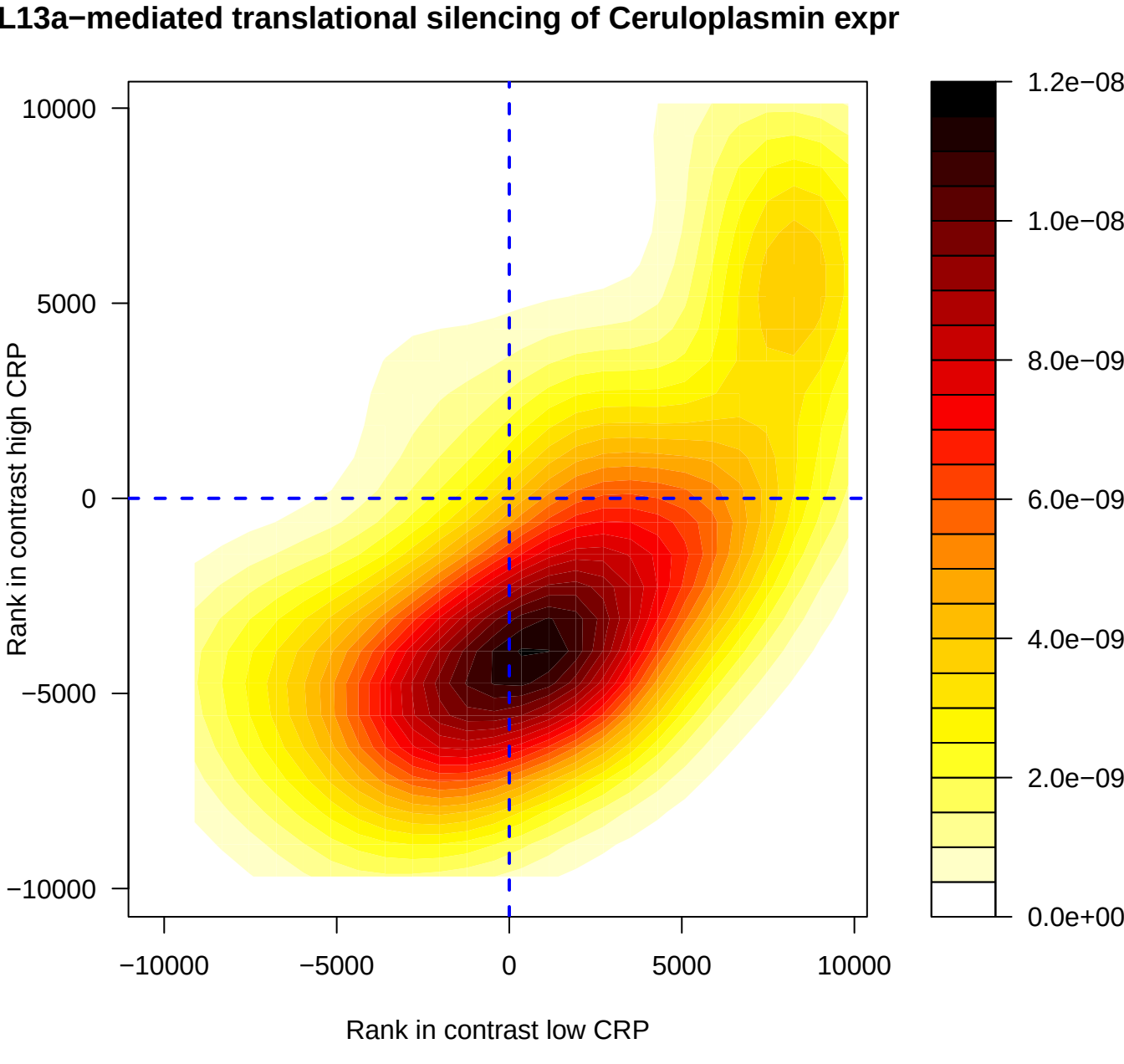

BMAL1:CLOCK,NPAS2 activates circadian gene expression
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

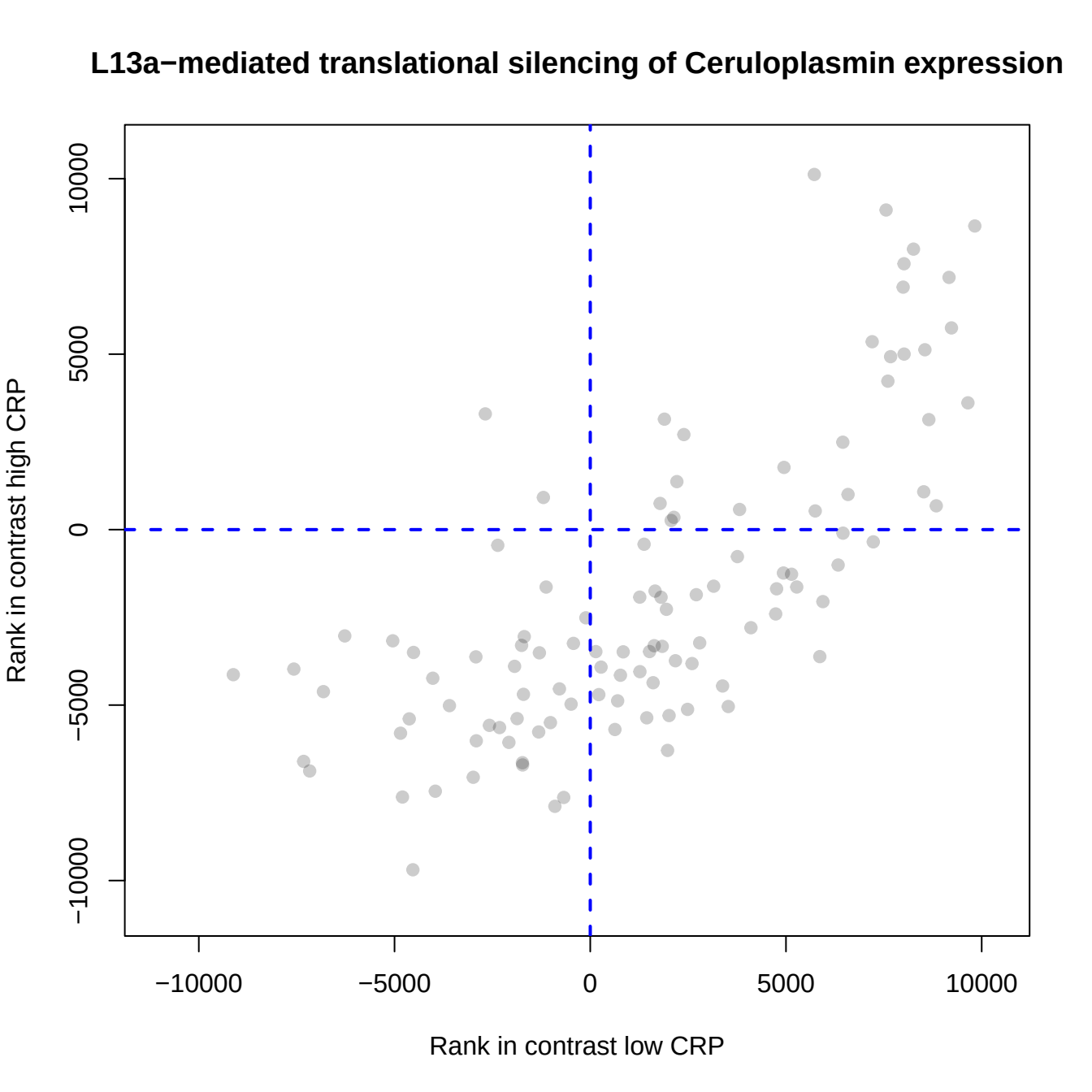

BMAL1:CLOCK,NPAS2 activates circadian gene
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

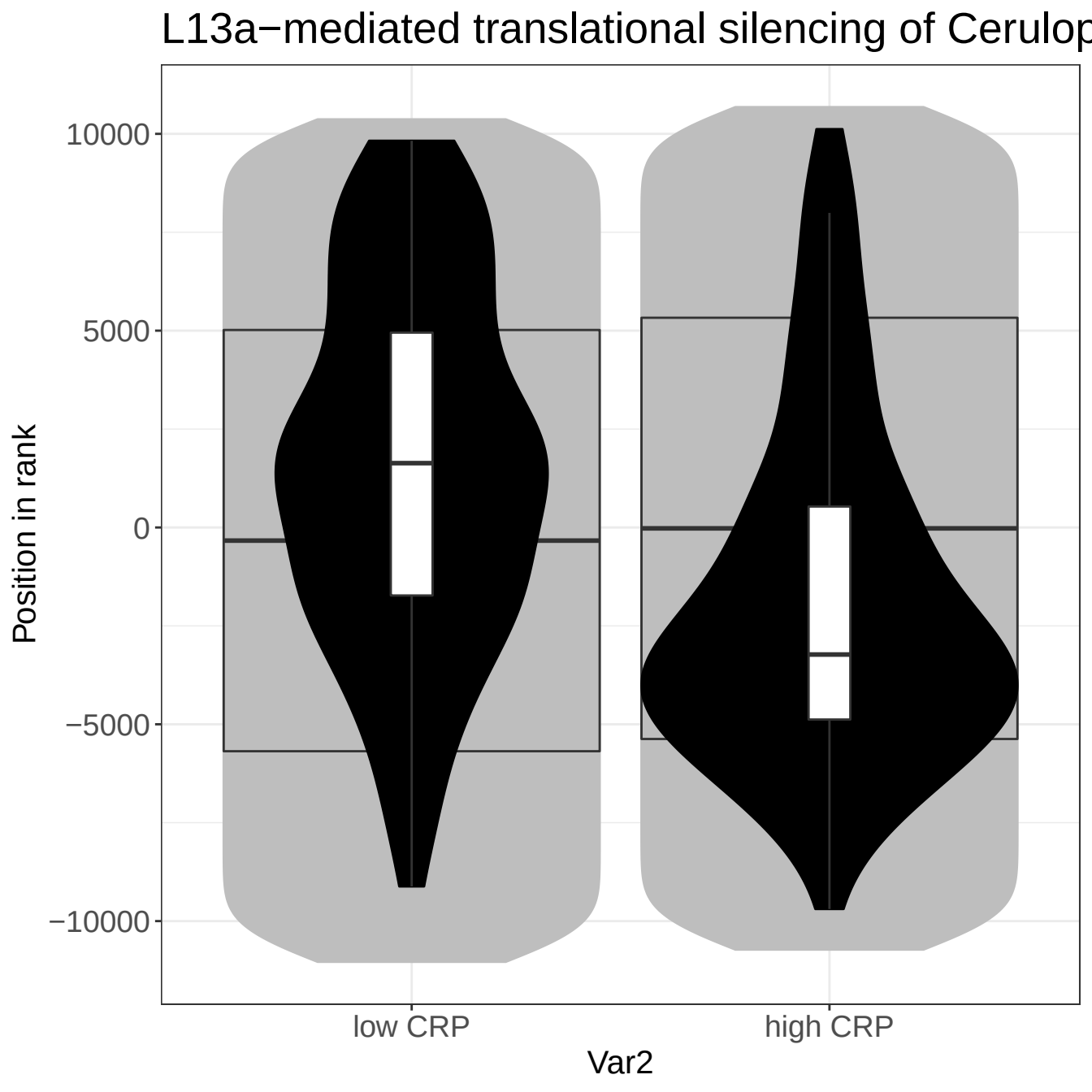

Response of EIF2AK4 (GCN2) to amino acid deficiency
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.4e−08
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

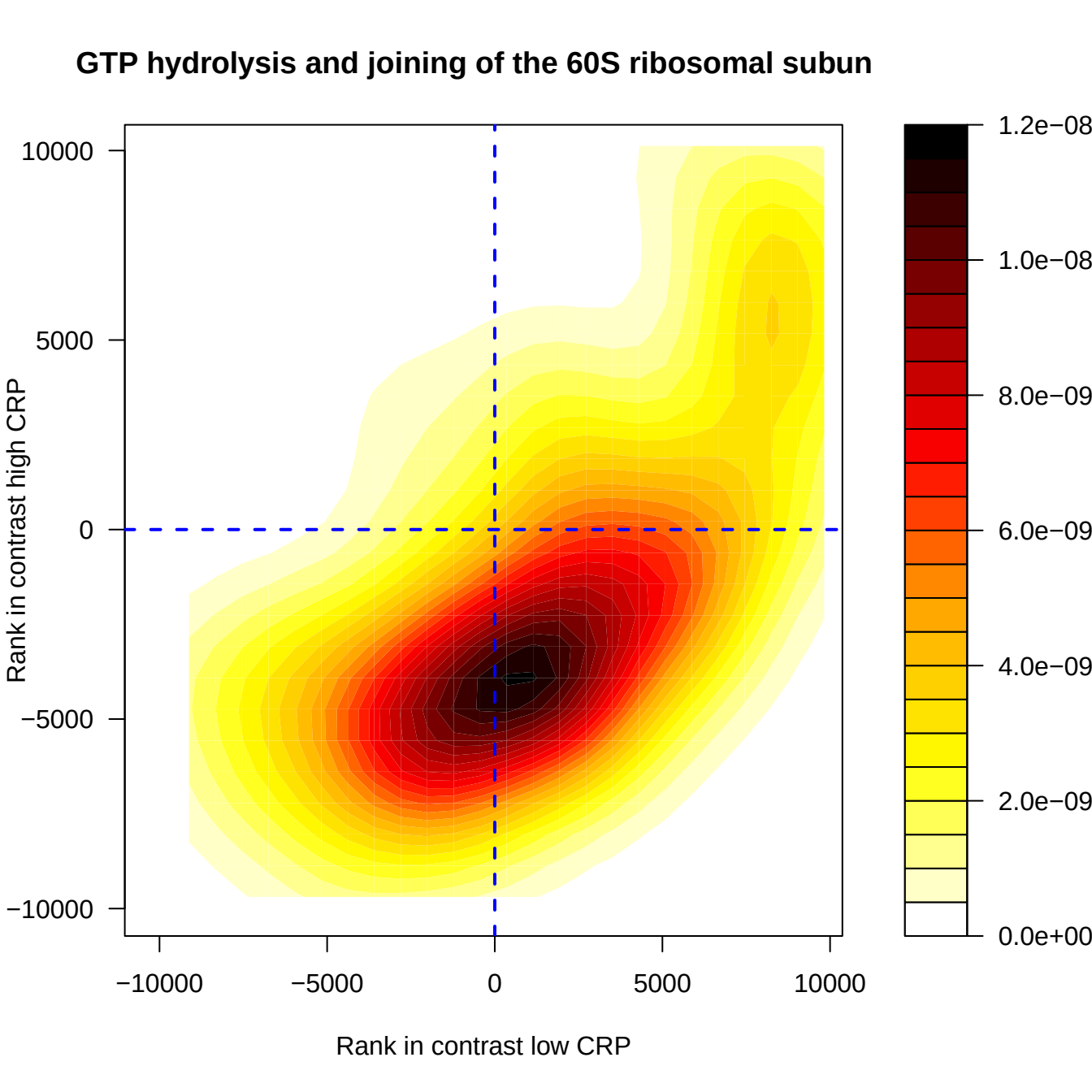

Response of EIF2AK4 (GCN2) to amino acid deficiency
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

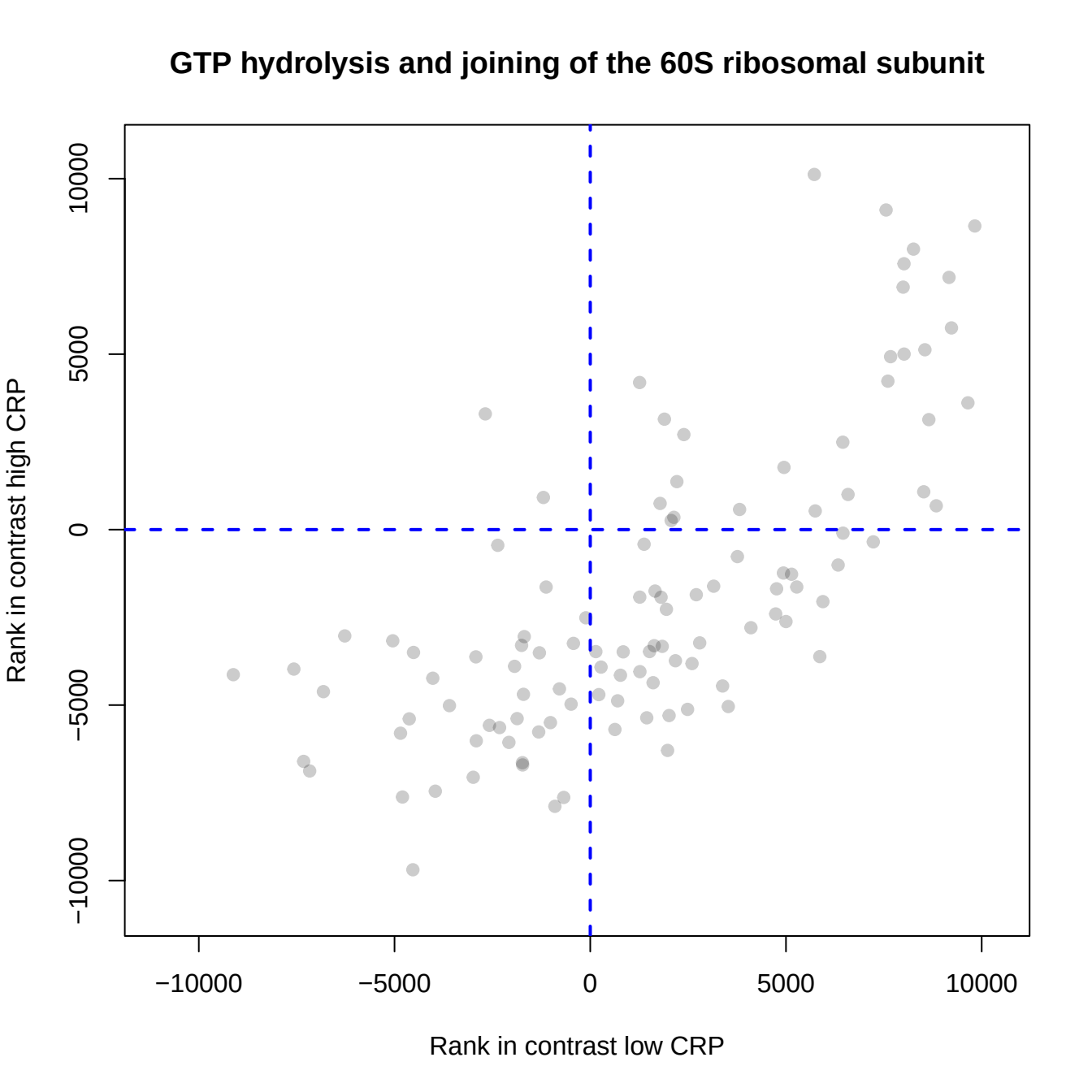

Response of EIF2AK4 (GCN2) to amino acid def
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

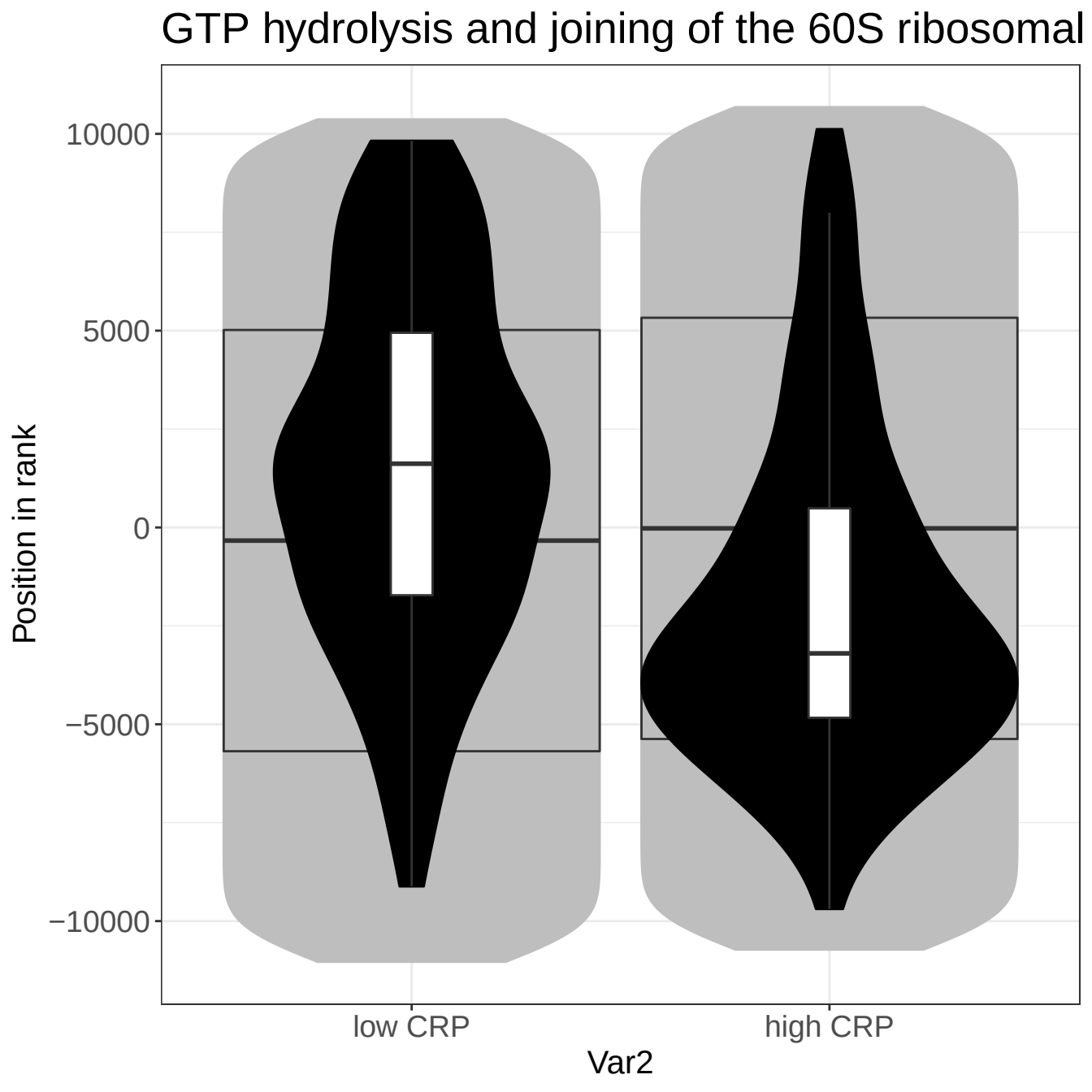

L13a−mediated translational silencing of Ceruloplasmin expr
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

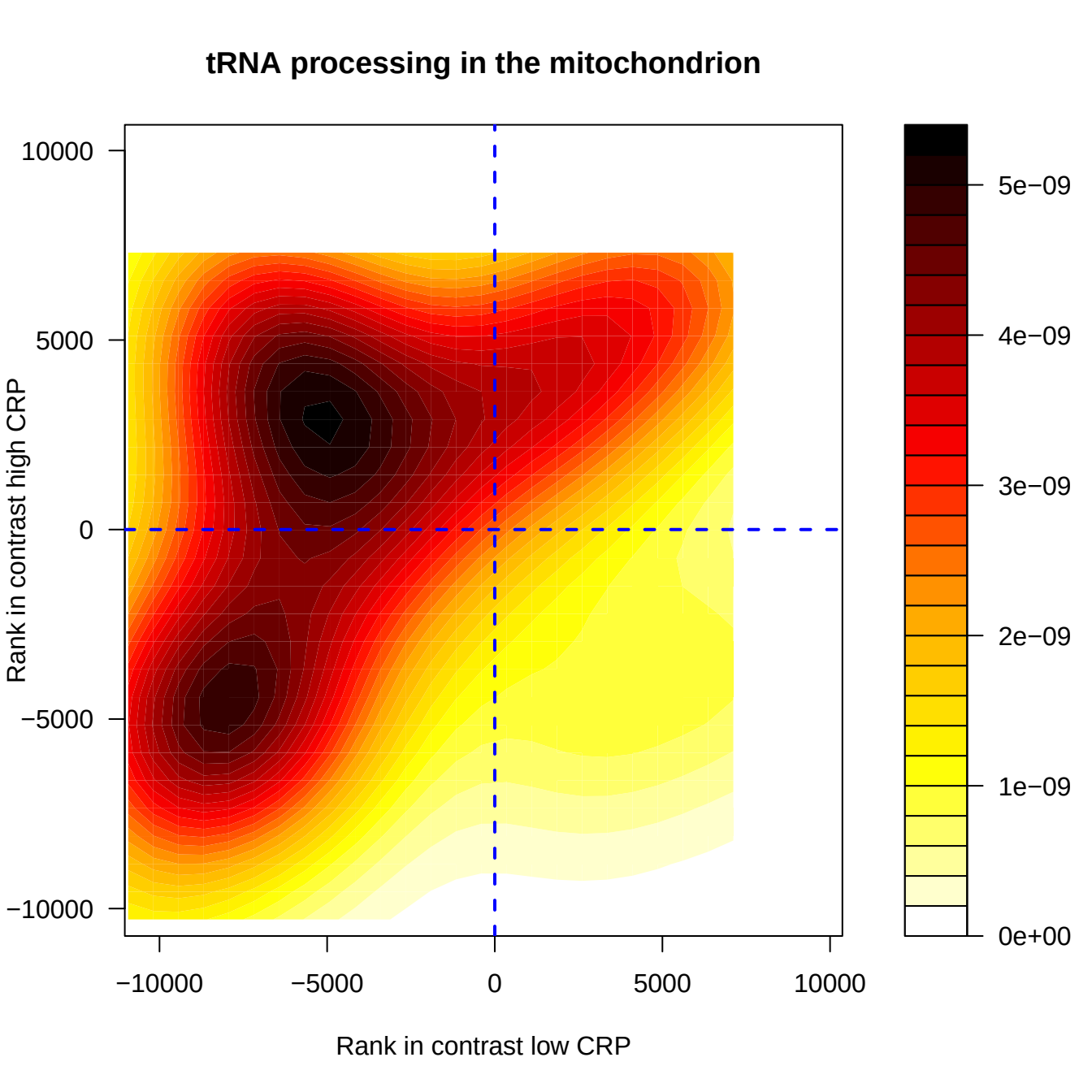

L13a−mediated translational silencing of Ceruloplasmin expression
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

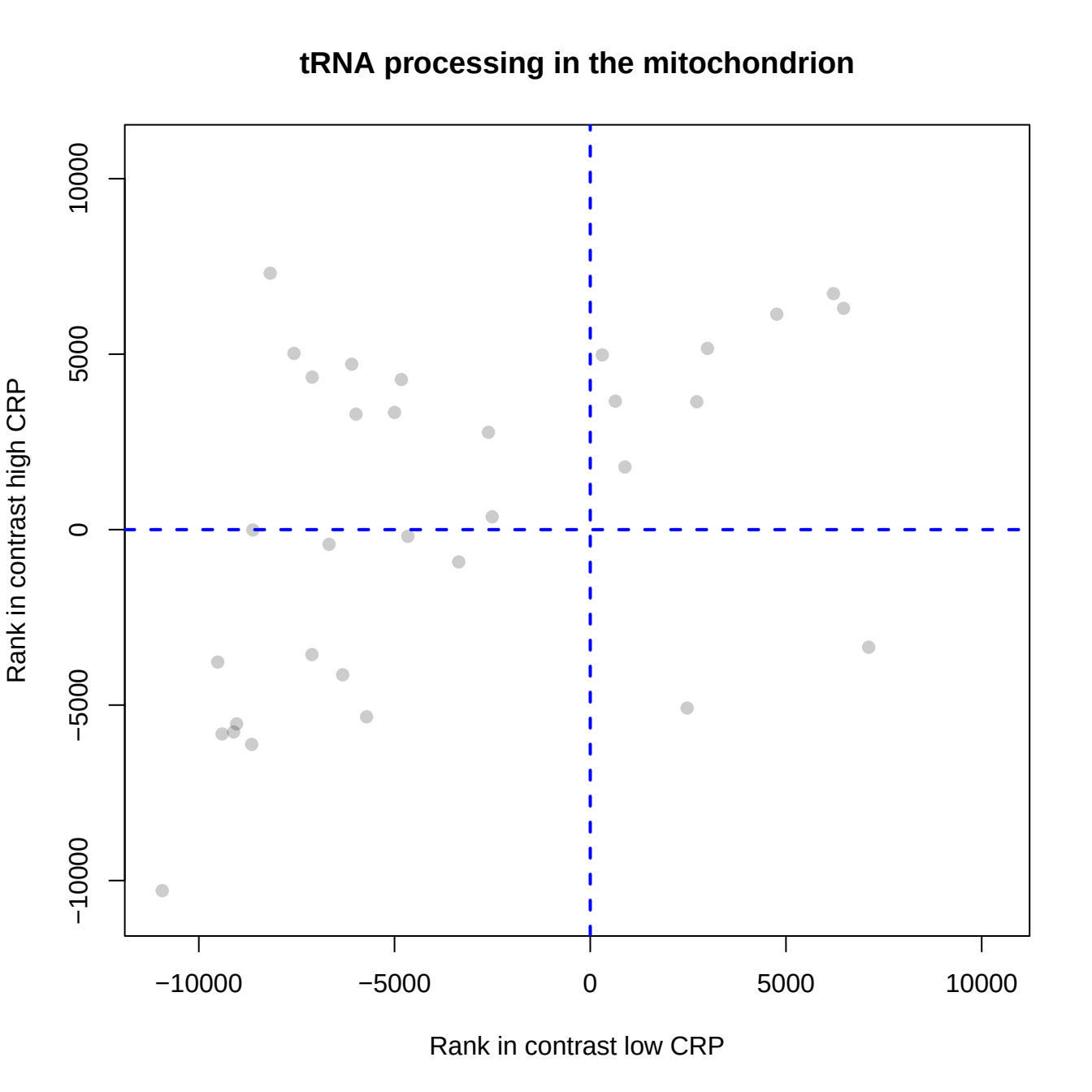

L13a−mediated translational silencing of Cerulop
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

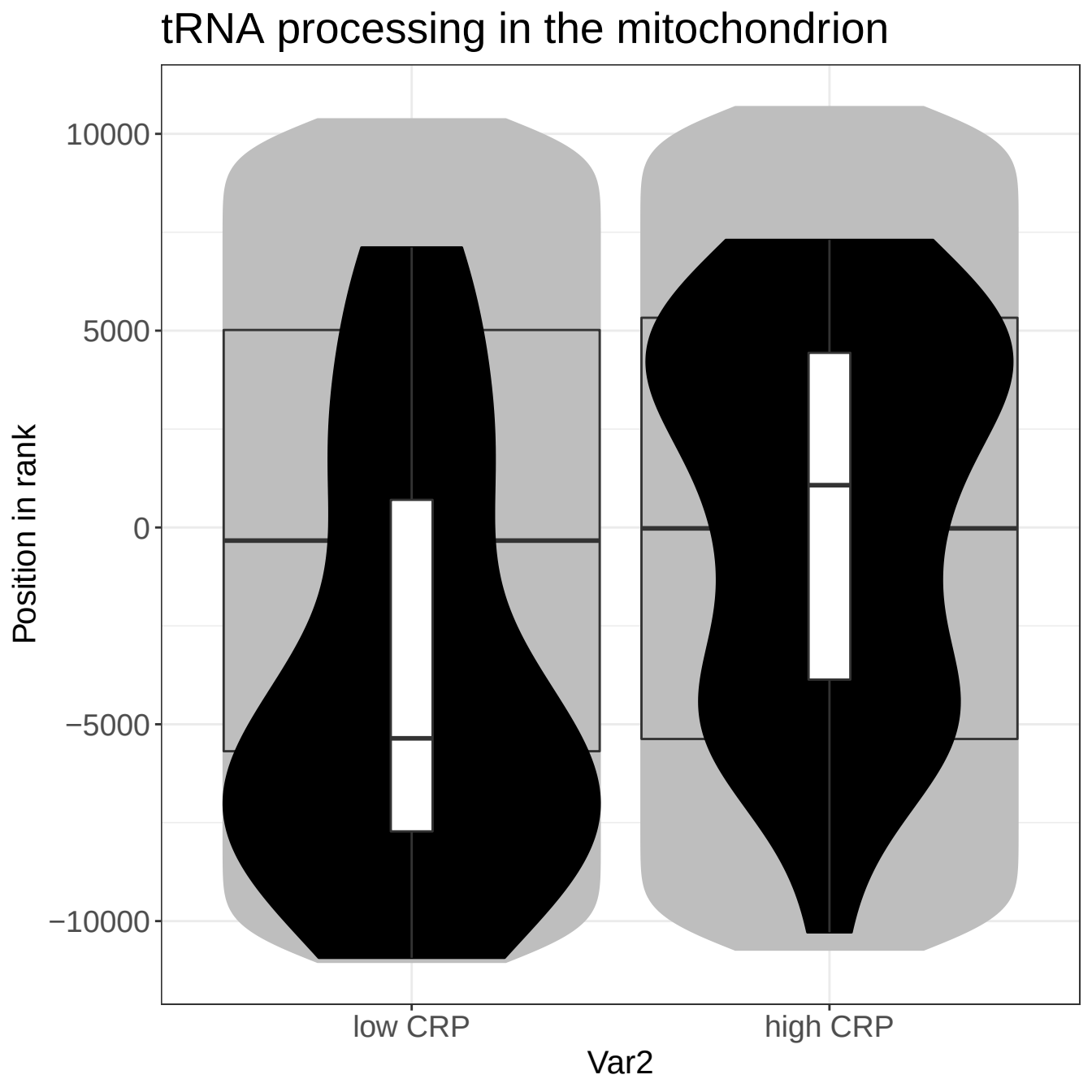

GTP hydrolysis and joining of the 60S ribosomal subun
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

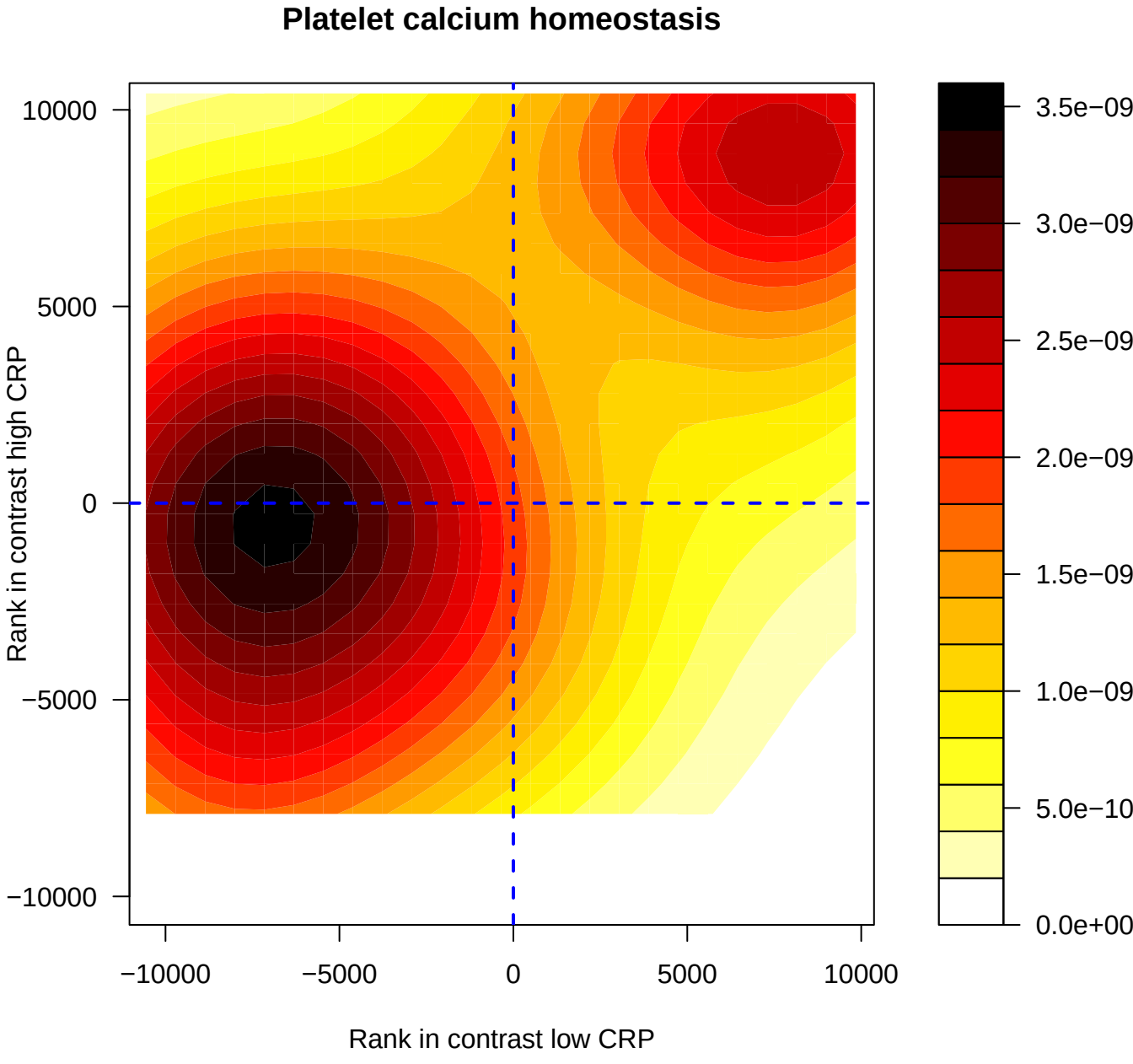

GTP hydrolysis and joining of the 60S ribosomal subunit
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

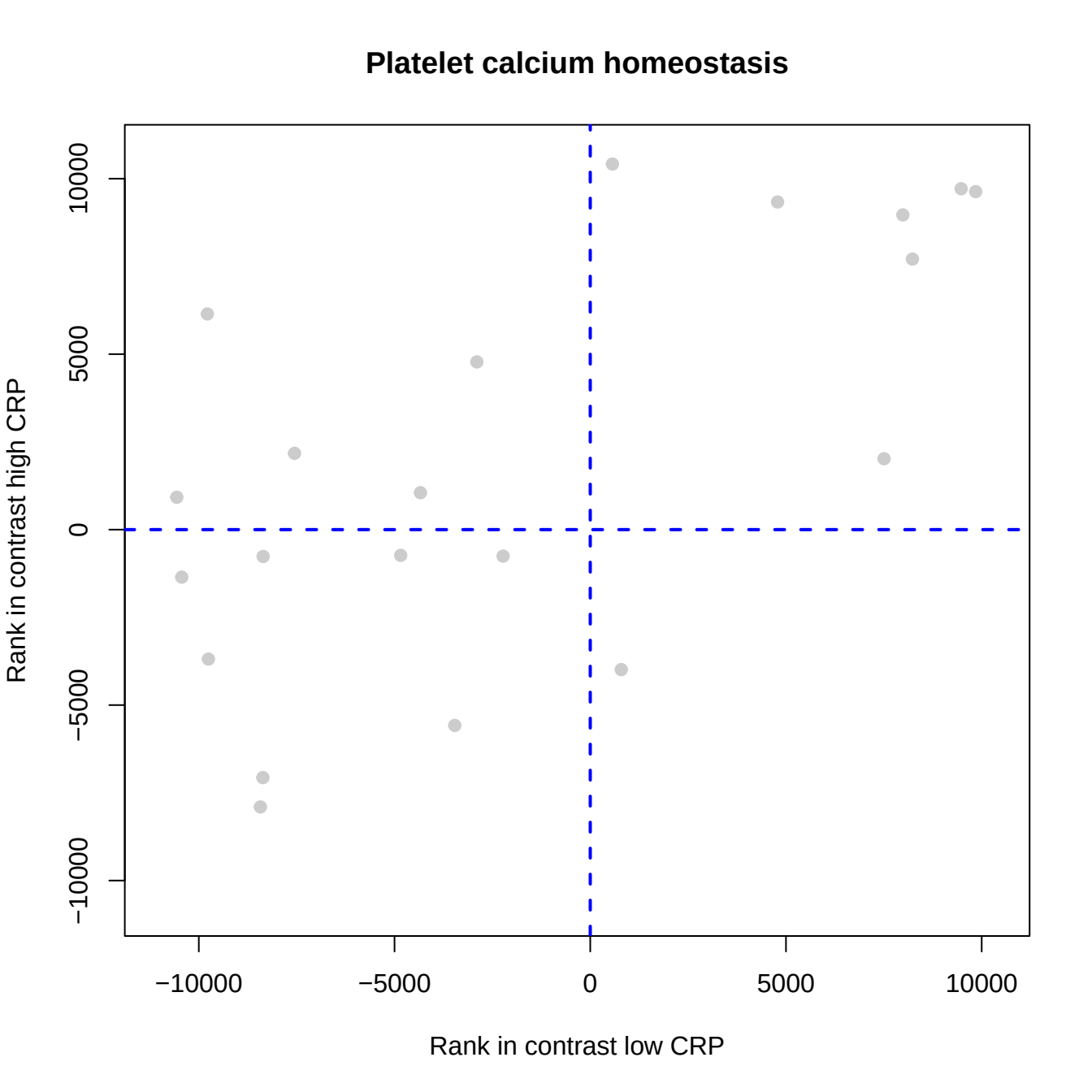

GTP hydrolysis and joining of the 60S ribosomal
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

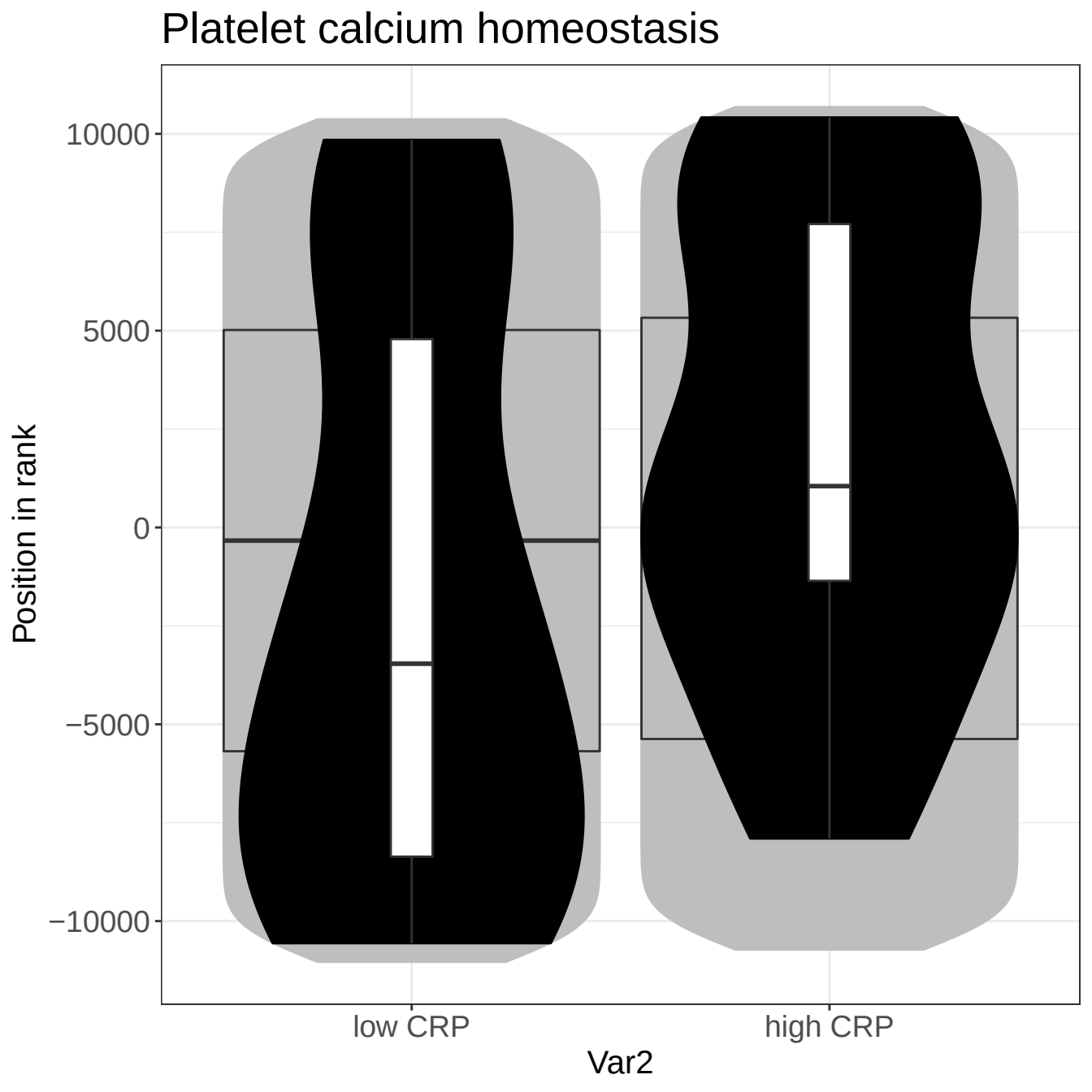

tRNA processing in the mitochondrion
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

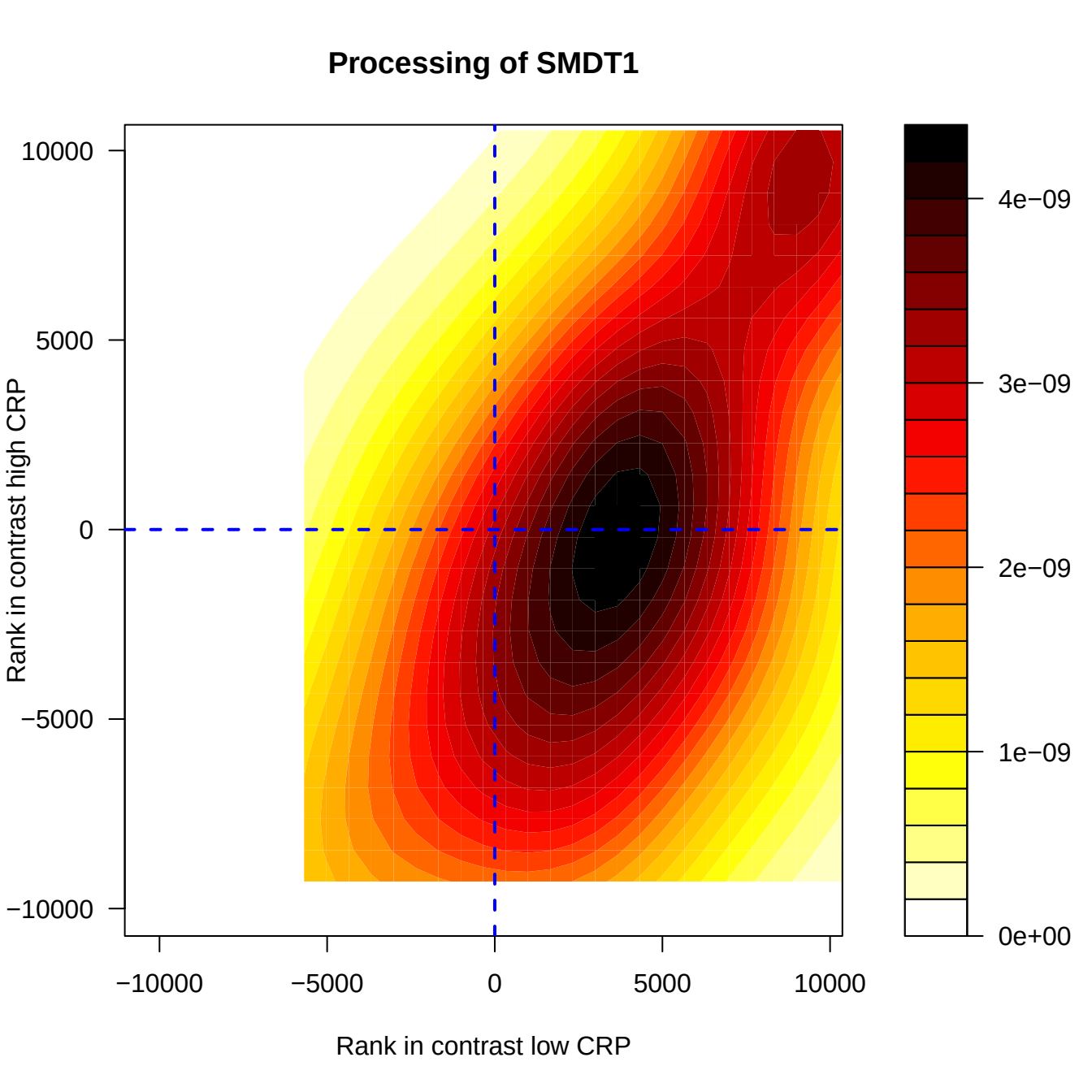

tRNA processing in the mitochondrion
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

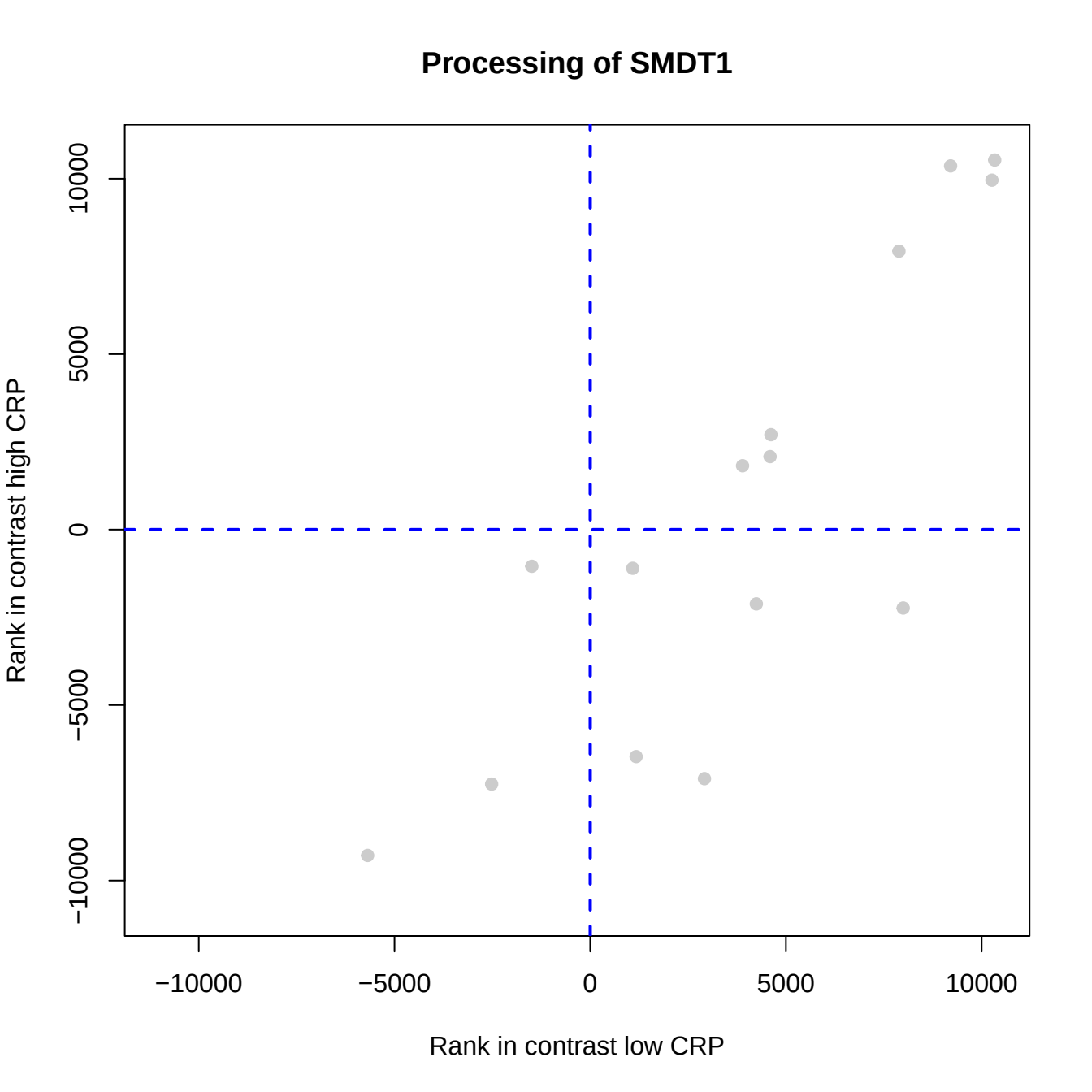

tRNA processing in the mitochondrion
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

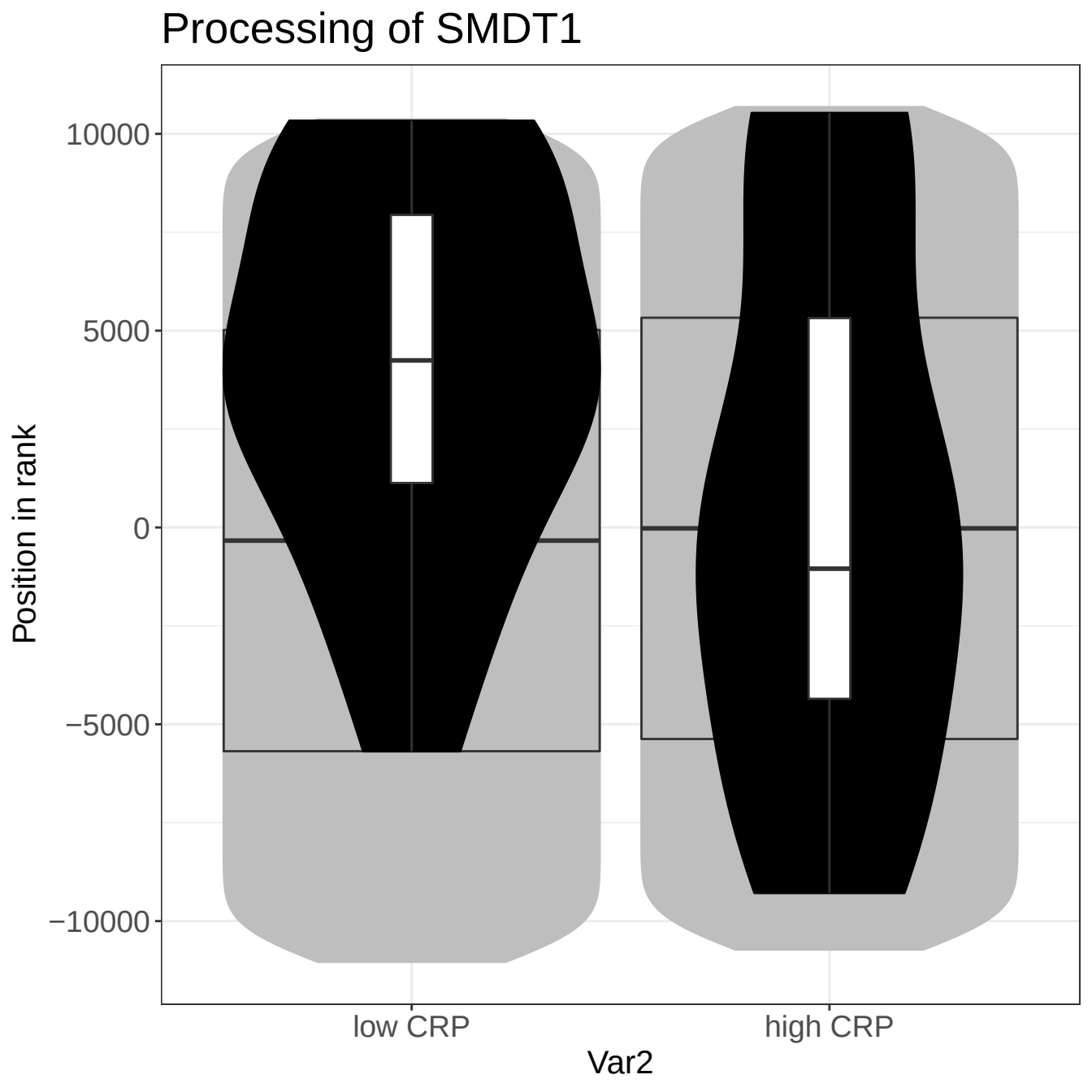

Platelet calcium homeostasis
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
3.5e−09
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

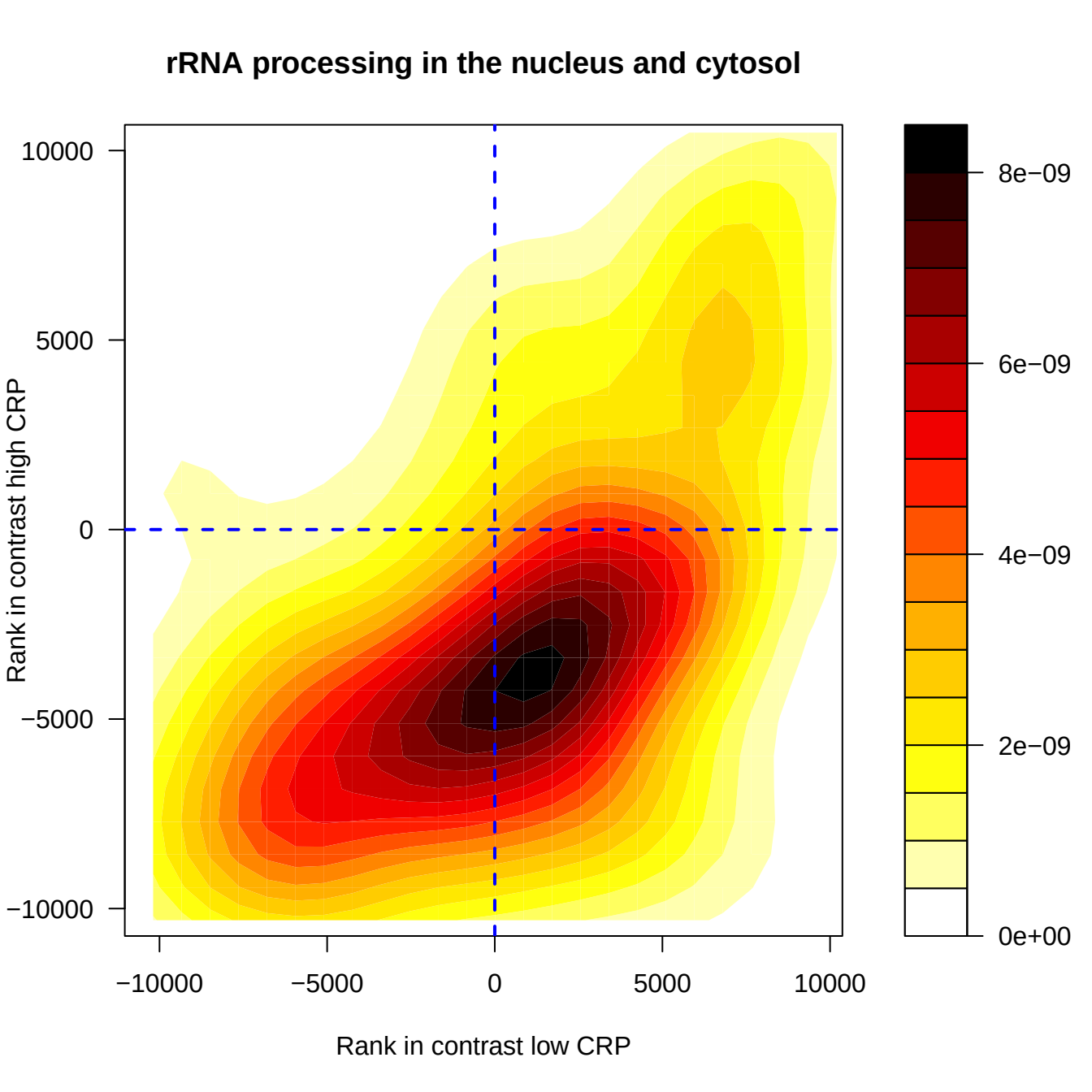

Platelet calcium homeostasis
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

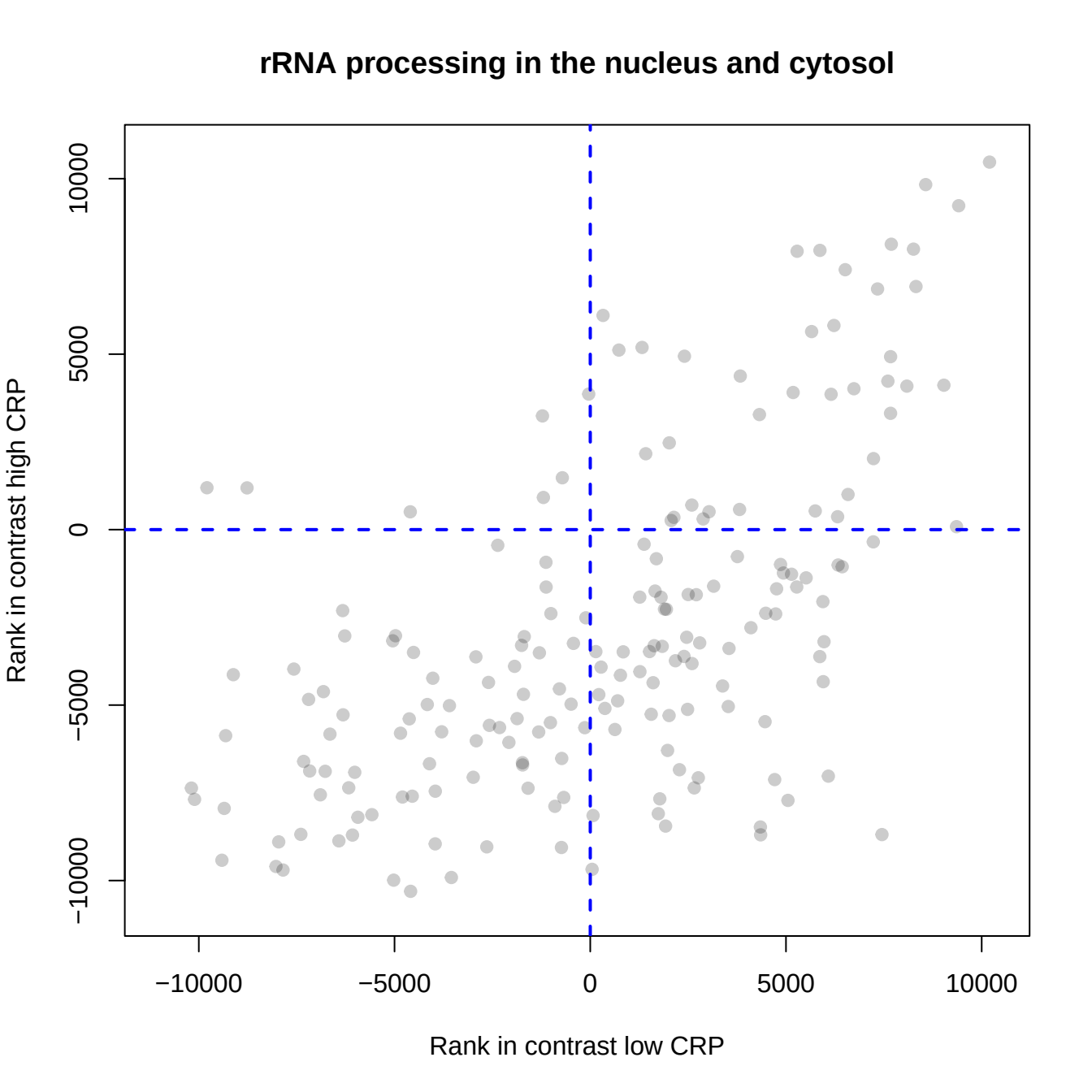

Platelet calcium homeostasis
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

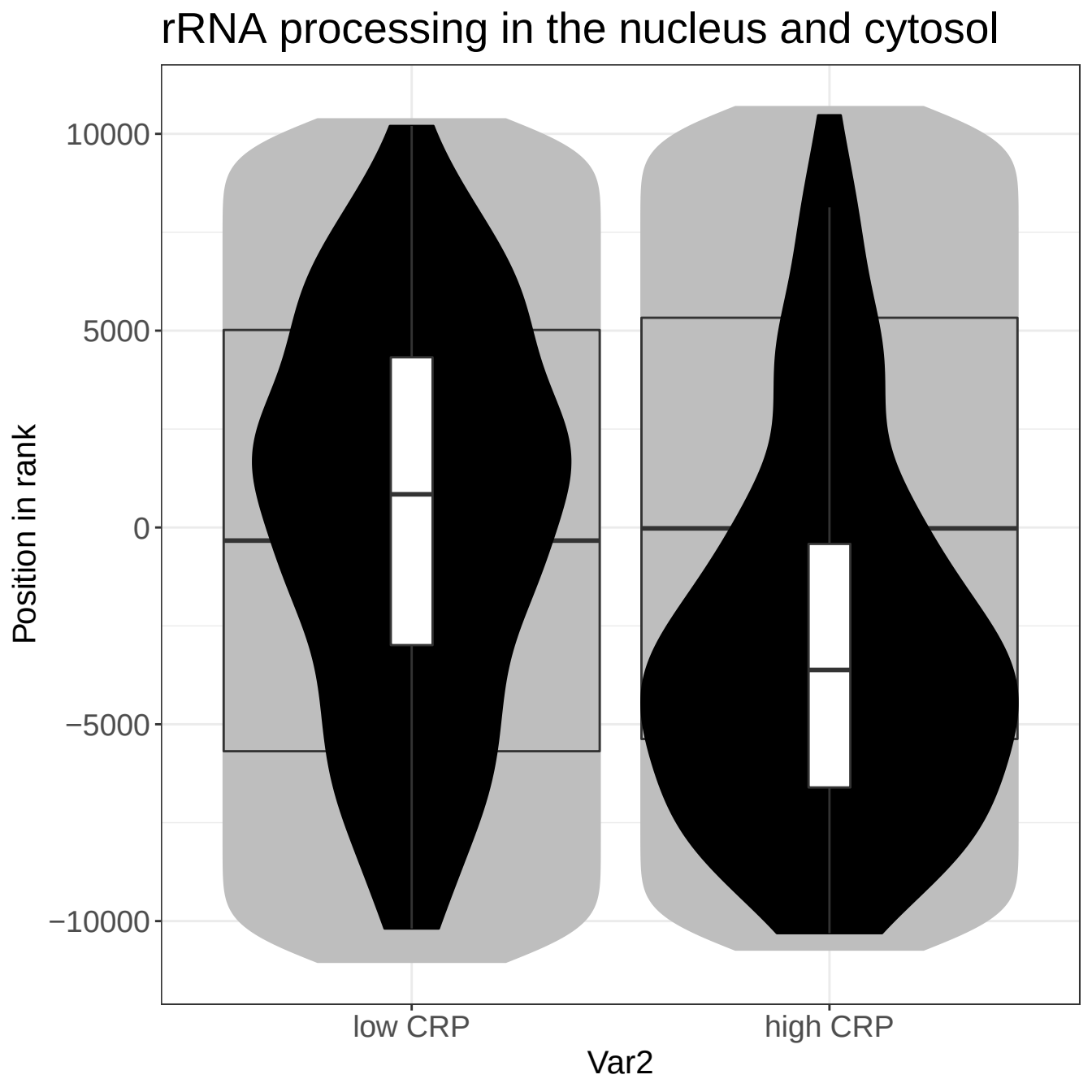

Processing of SMDT1
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
4e−09
3e−09
2e−09
1e−09
0e+00

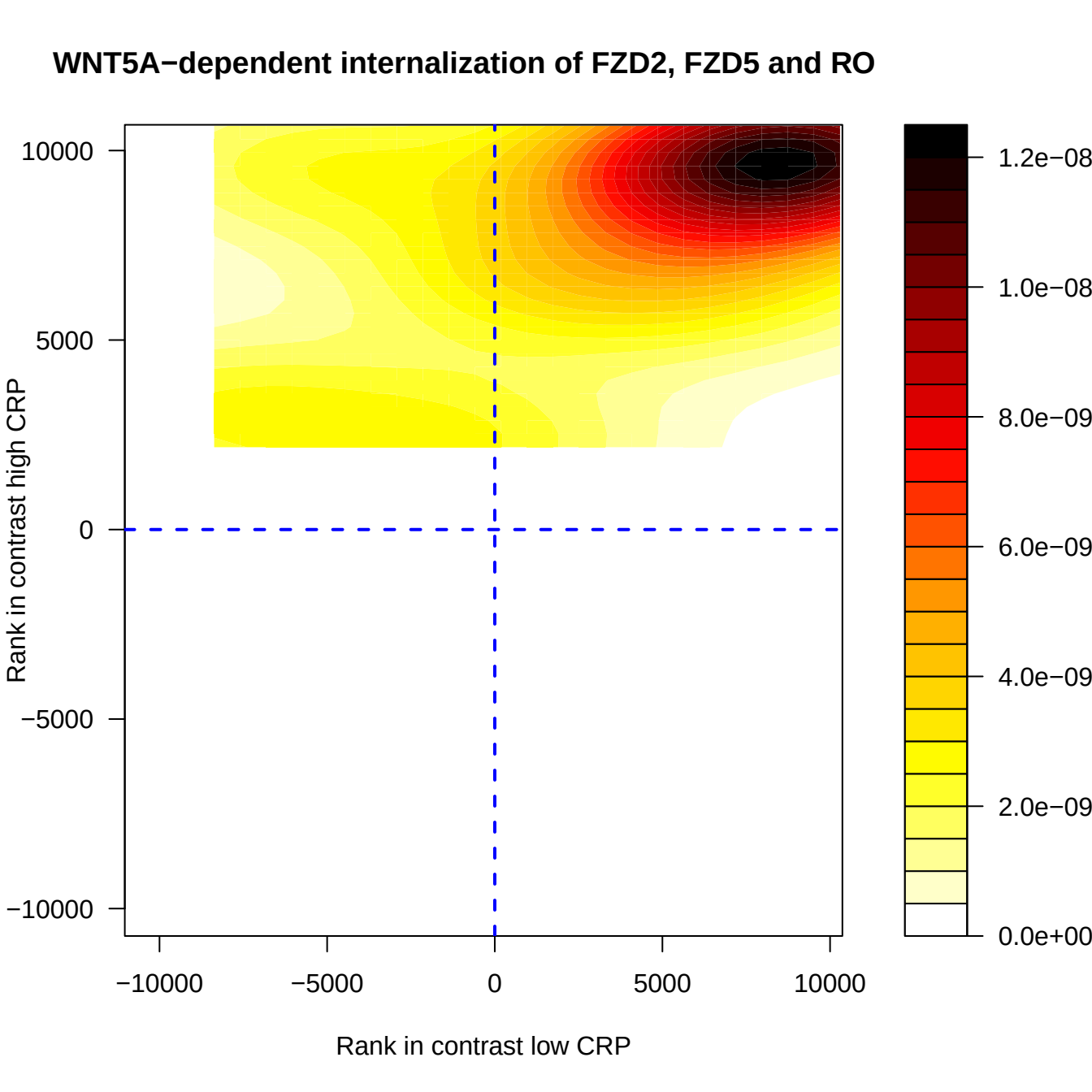

Processing of SMDT1
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

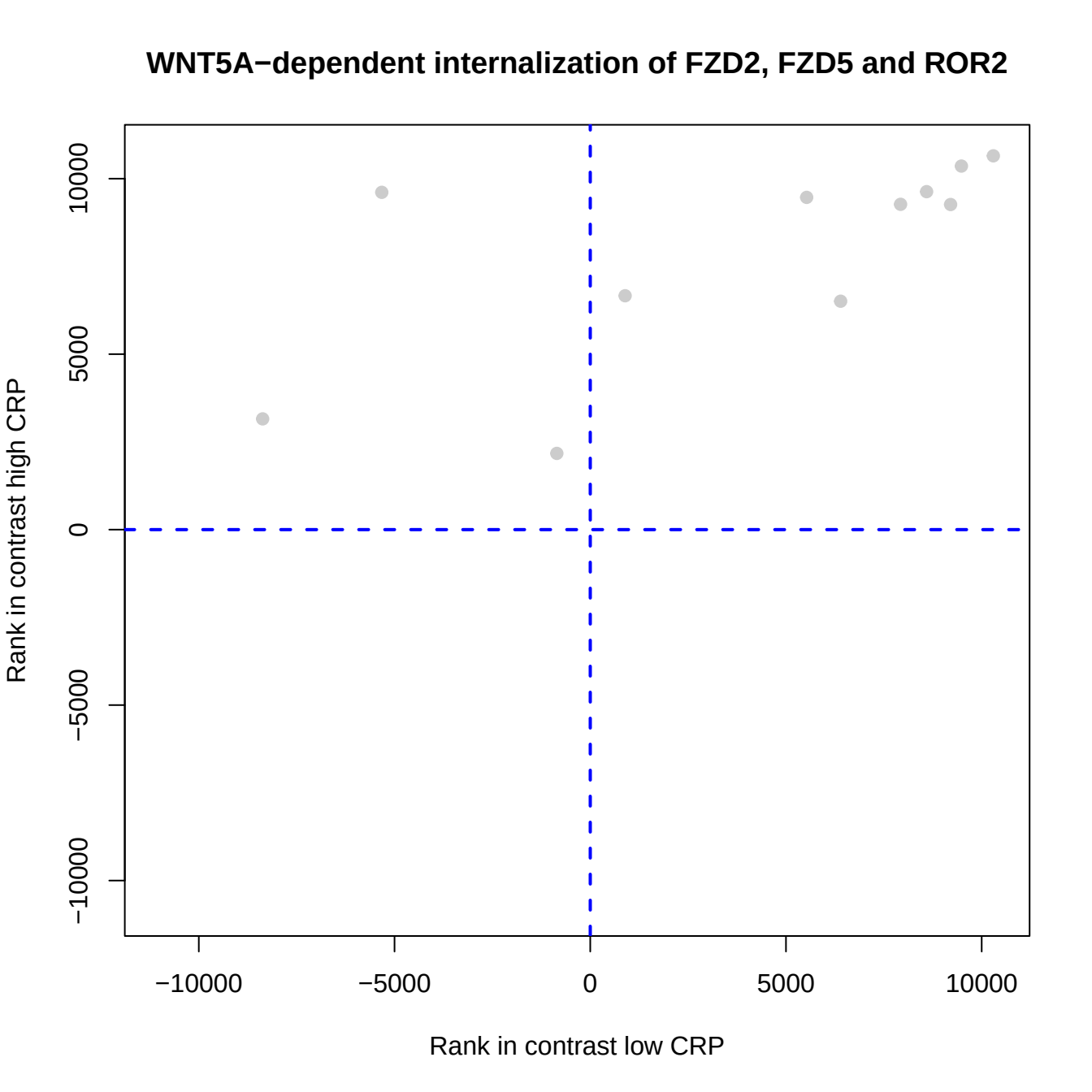

Processing of SMDT1
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

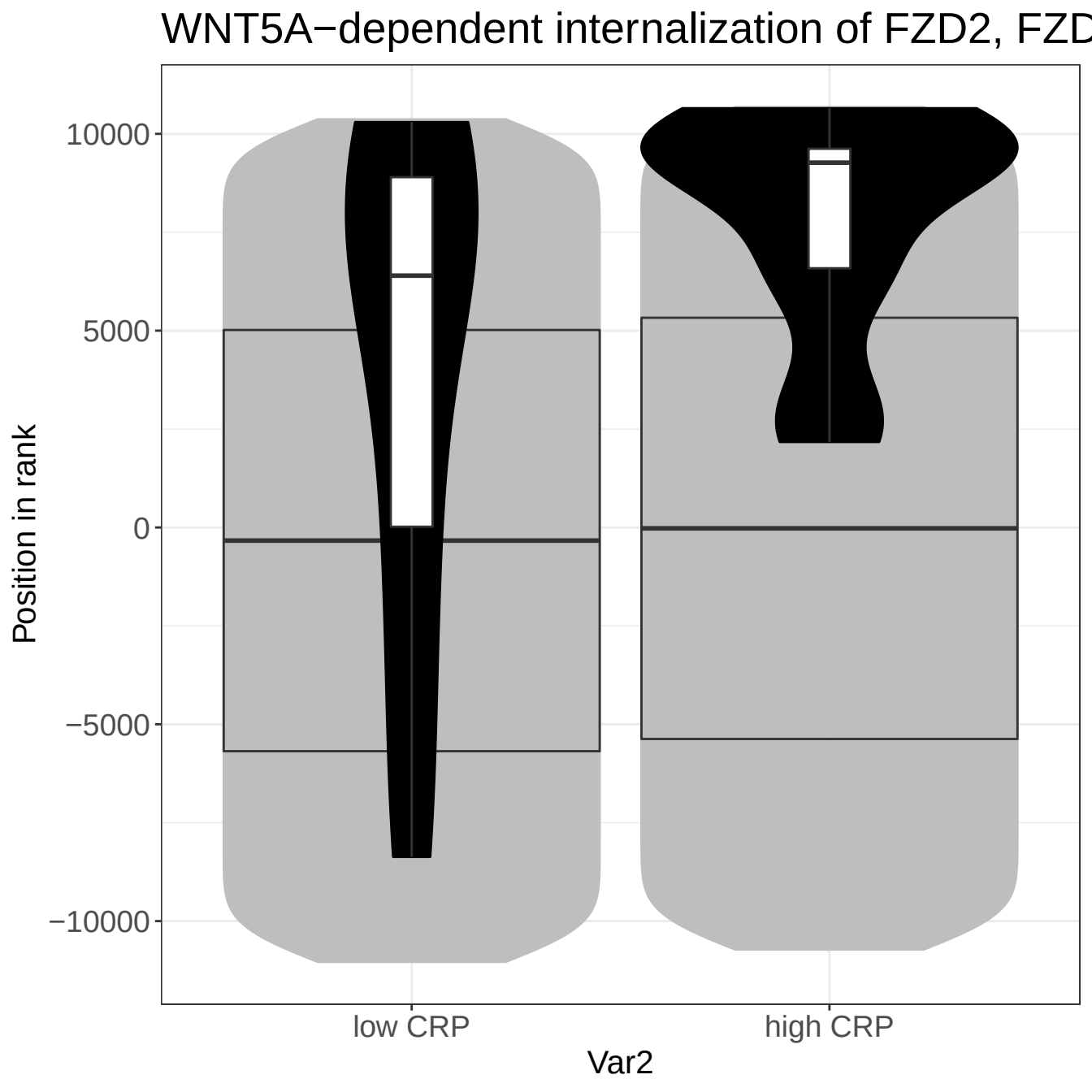

rRNA processing in the nucleus and cytosol
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
8e−09
6e−09
4e−09
2e−09
0e+00

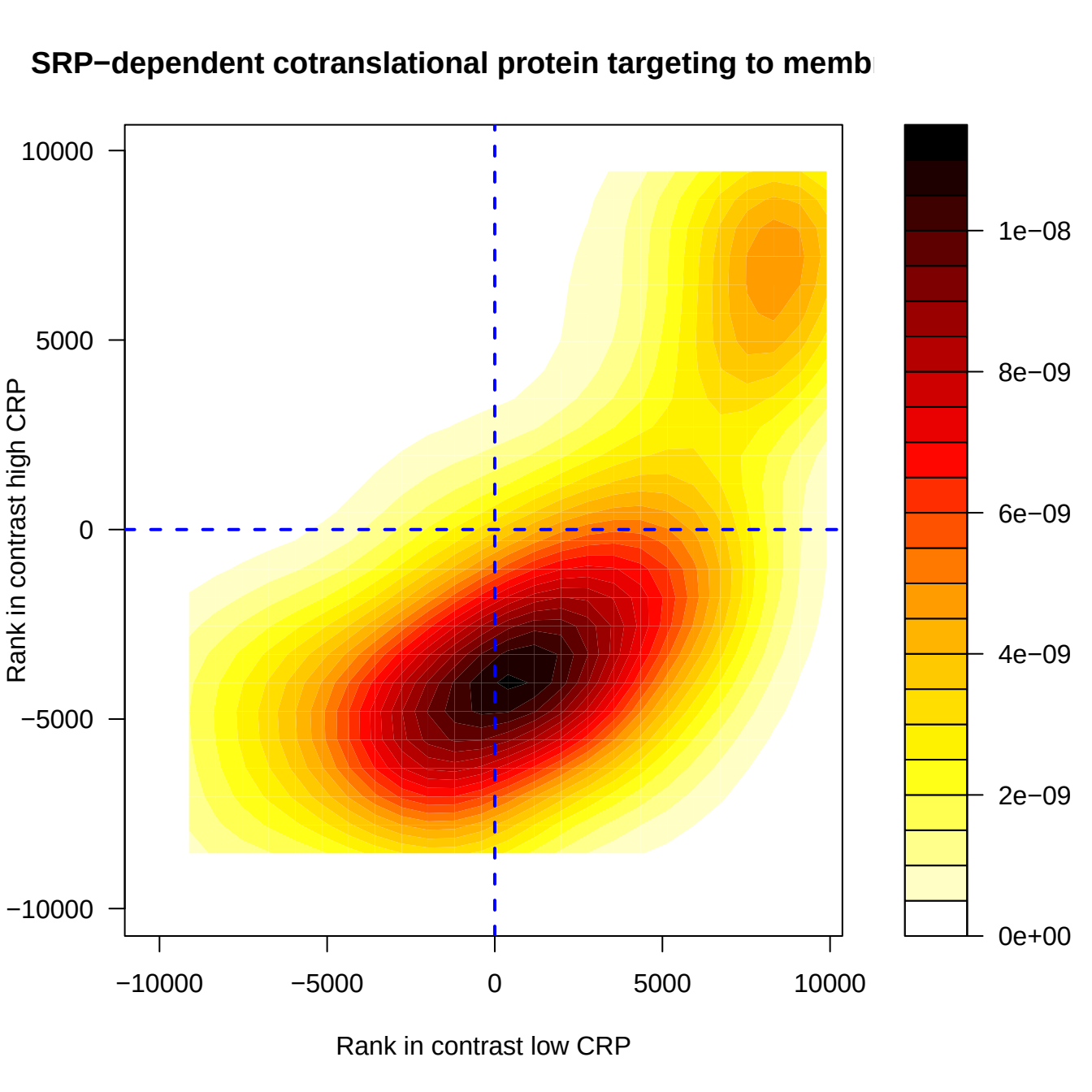

rRNA processing in the nucleus and cytosol
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000

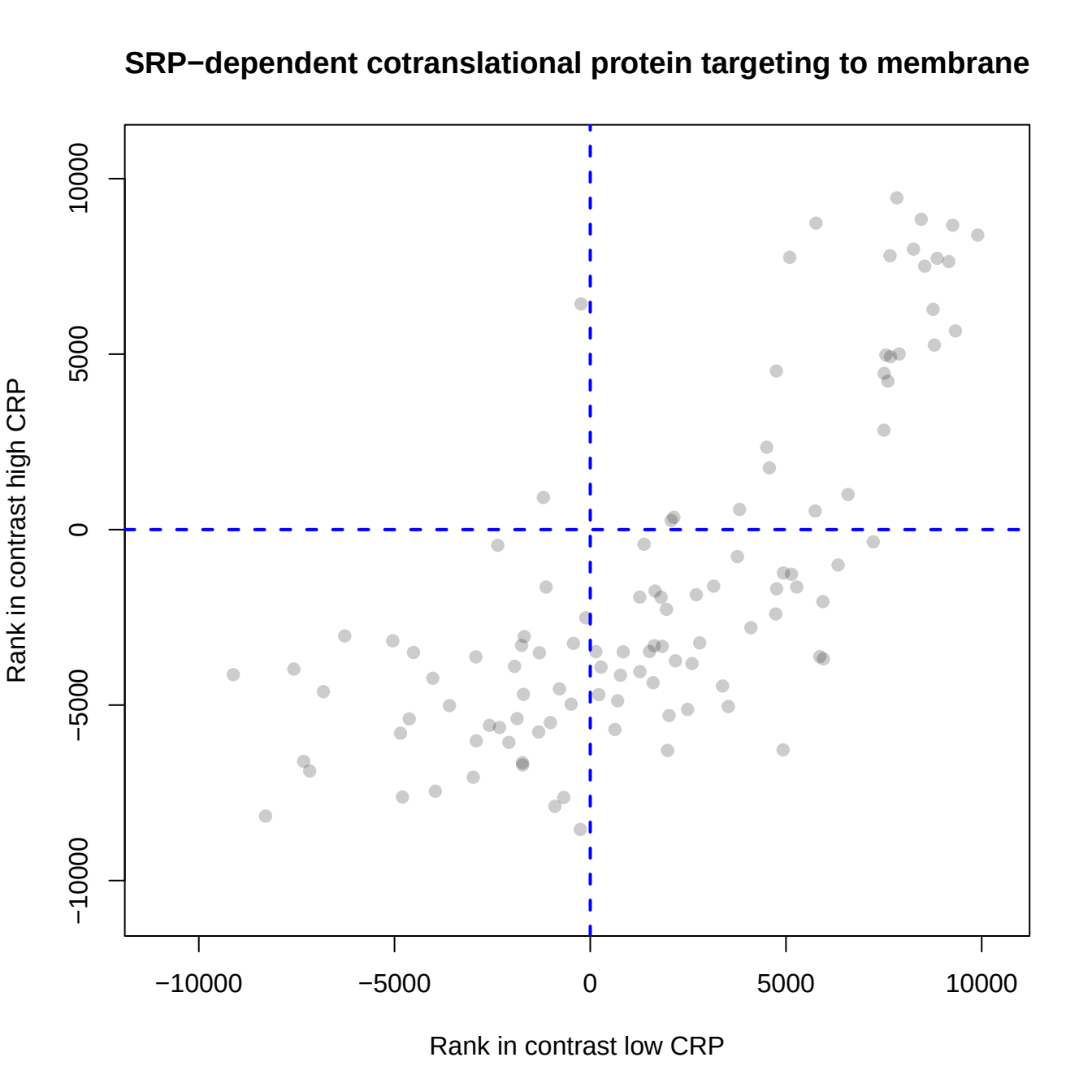

rRNA processing in the nucleus and cytosol
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2

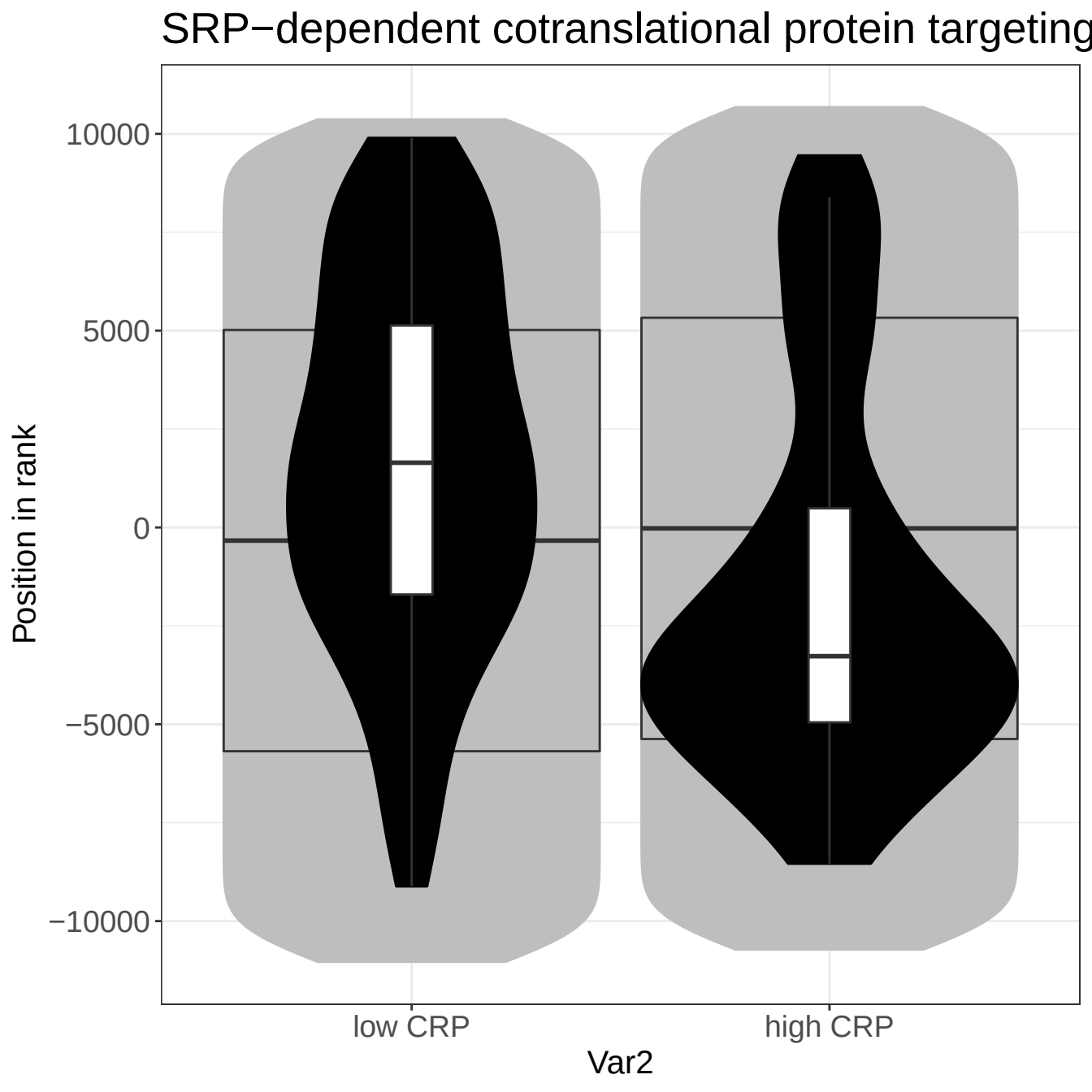

WNT5A−dependent internalization of FZD2, FZD5 and RO
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00


WNT5A−dependent internalization of FZD2, FZD5 and ROR2
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000


WNT5A−dependent internalization of FZD2, FZD
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2


SRP−dependent cotranslational protein targeting to memb
10000
5000
0
−5000
−10000
Rank in contrast high CRP
−10000
−5000
0
5000
10000
Rank in contrast low CRP
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00


SRP−dependent cotranslational protein targeting to membrane
Rank in contrast high CRP
Rank in contrast low CRP
10000
5000
0
−5000
−10000
−10000
−5000
0
5000
10000


SRP−dependent cotranslational protein targeting
10000
5000
0
−5000
−10000
Position in rank
low CRP
high CRP
Var2