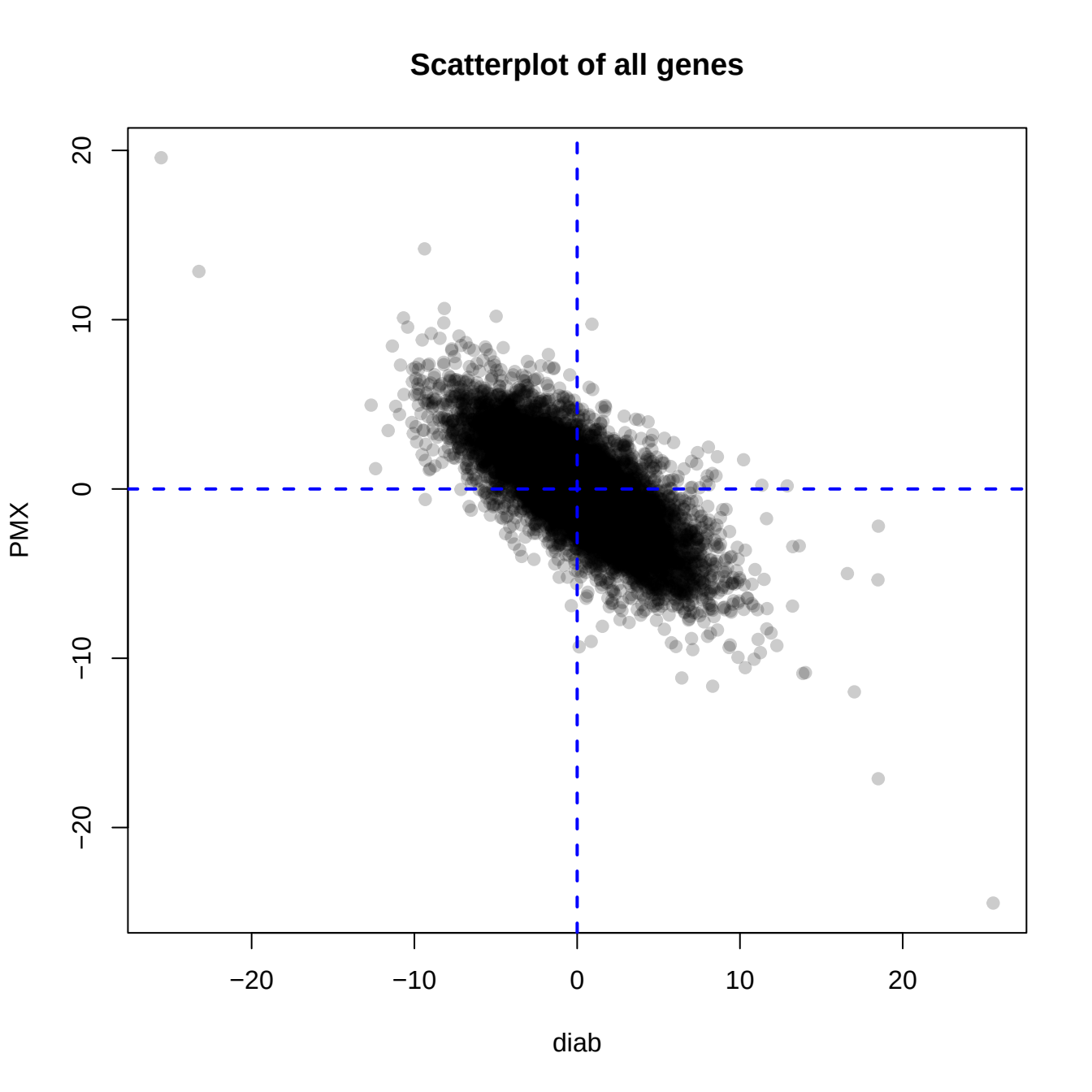
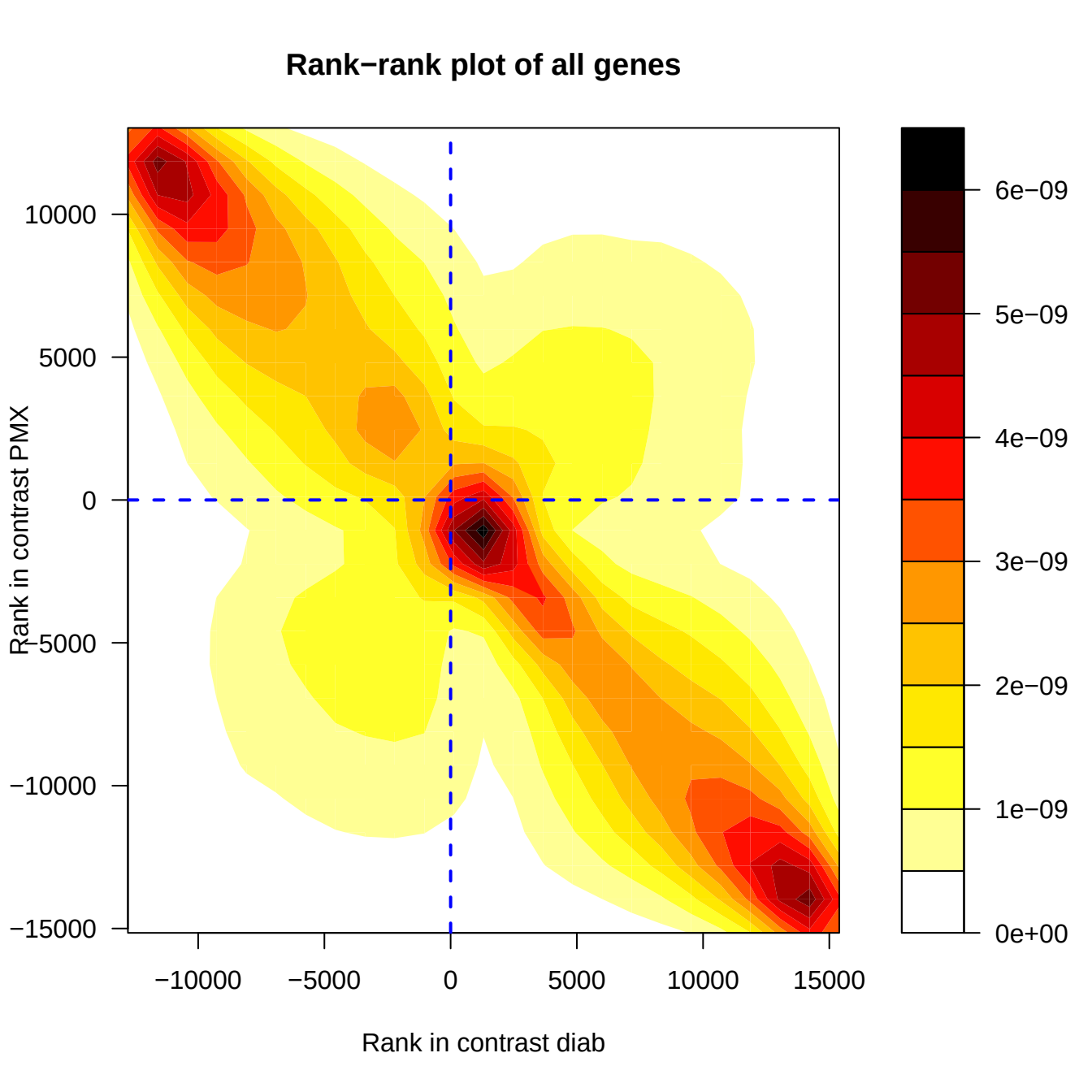
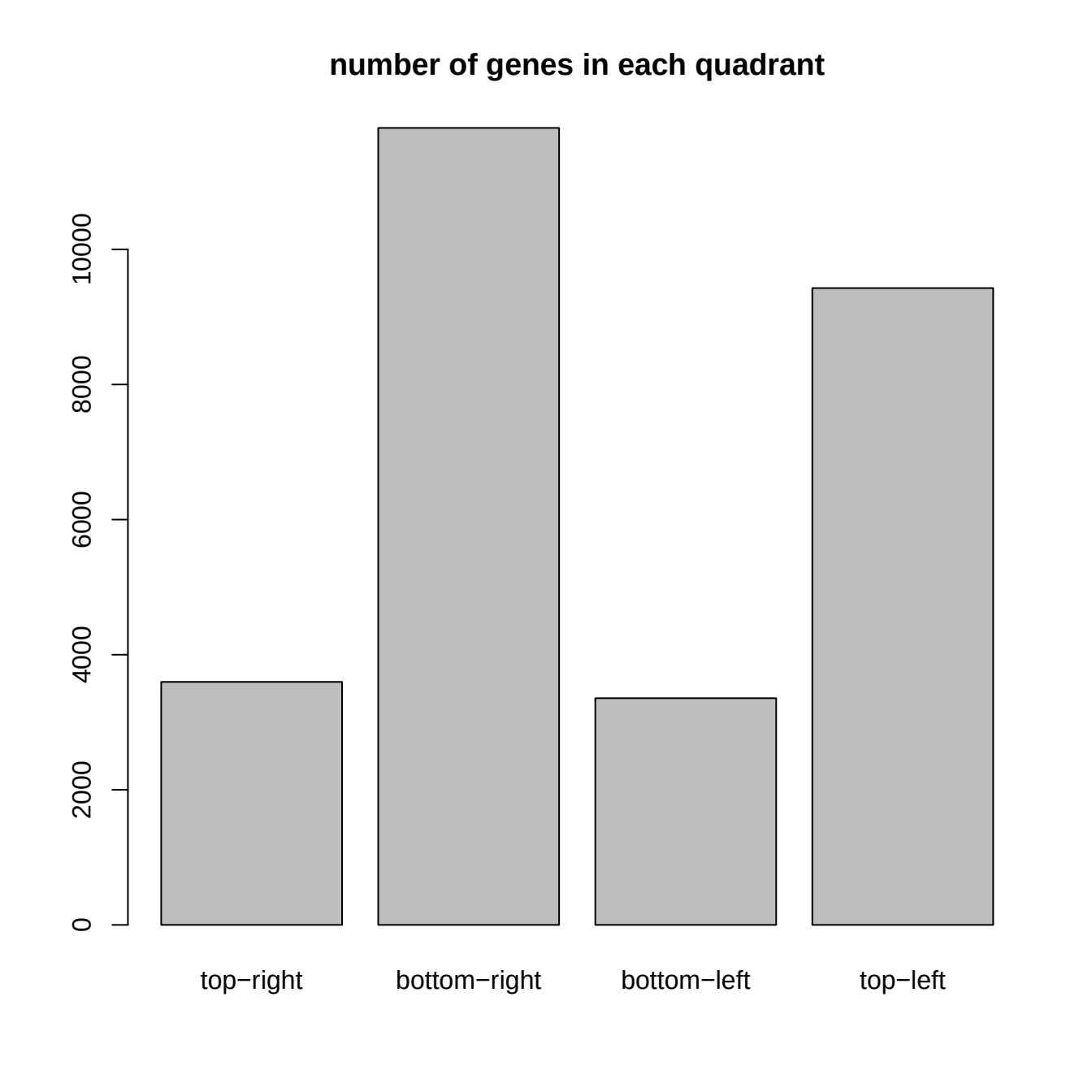
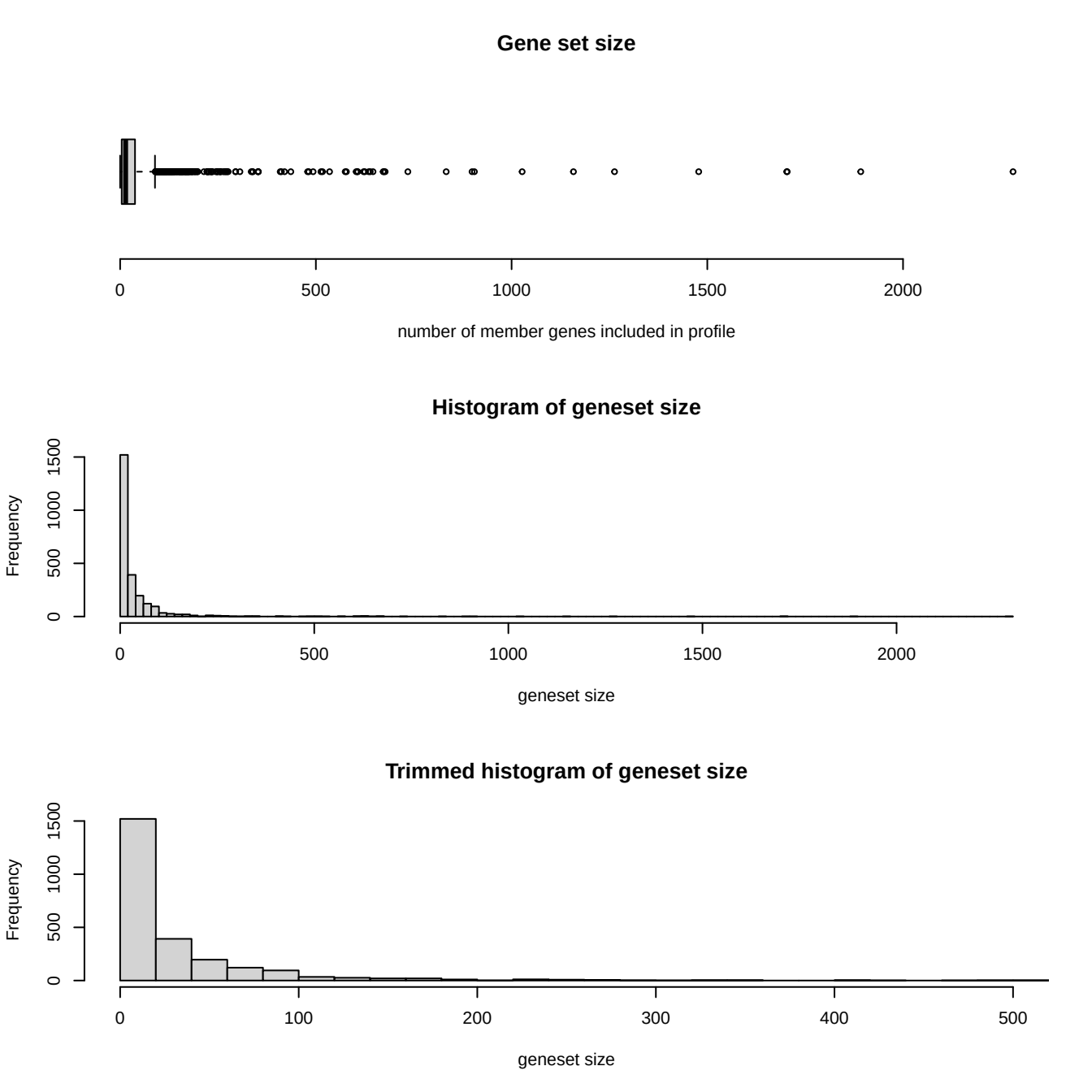
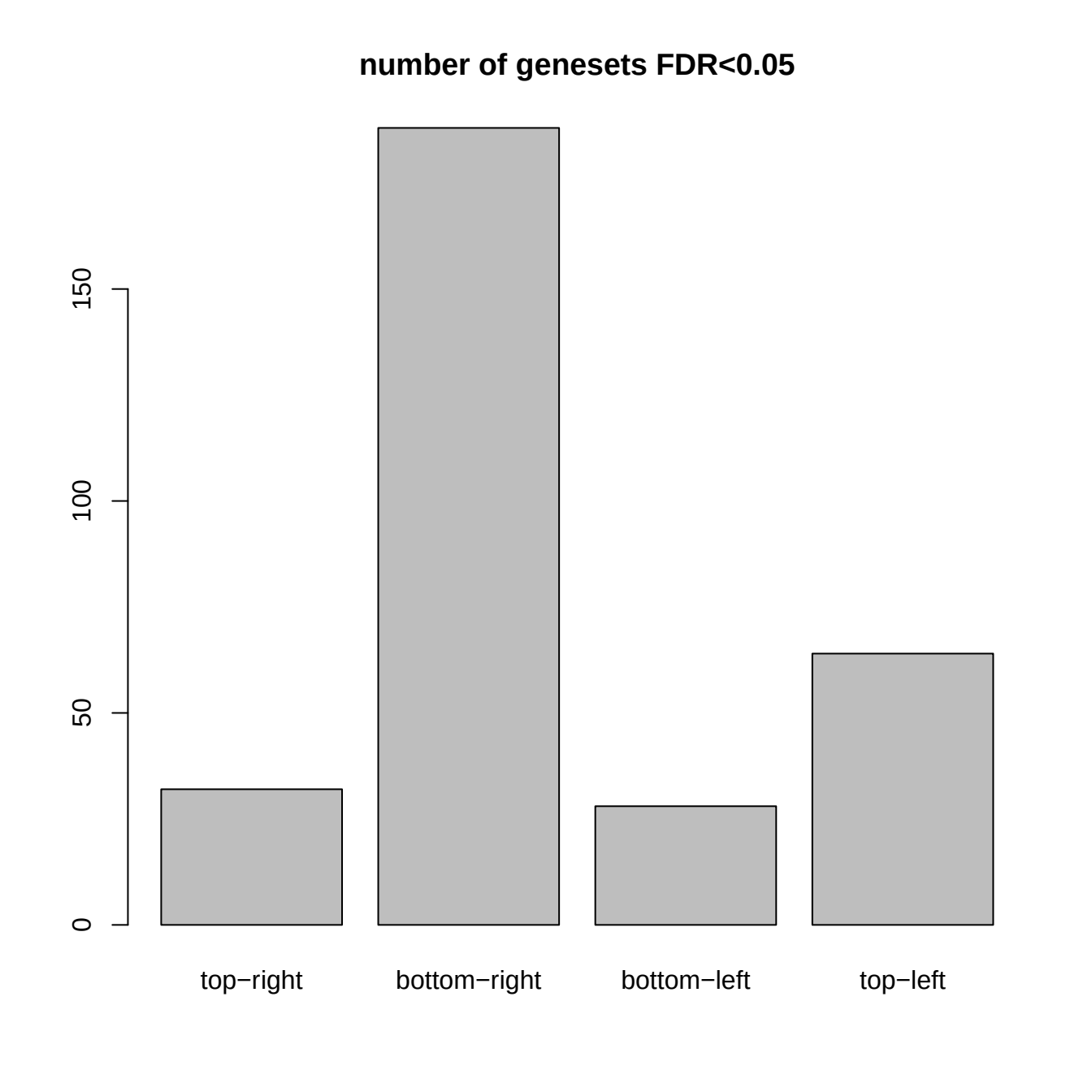
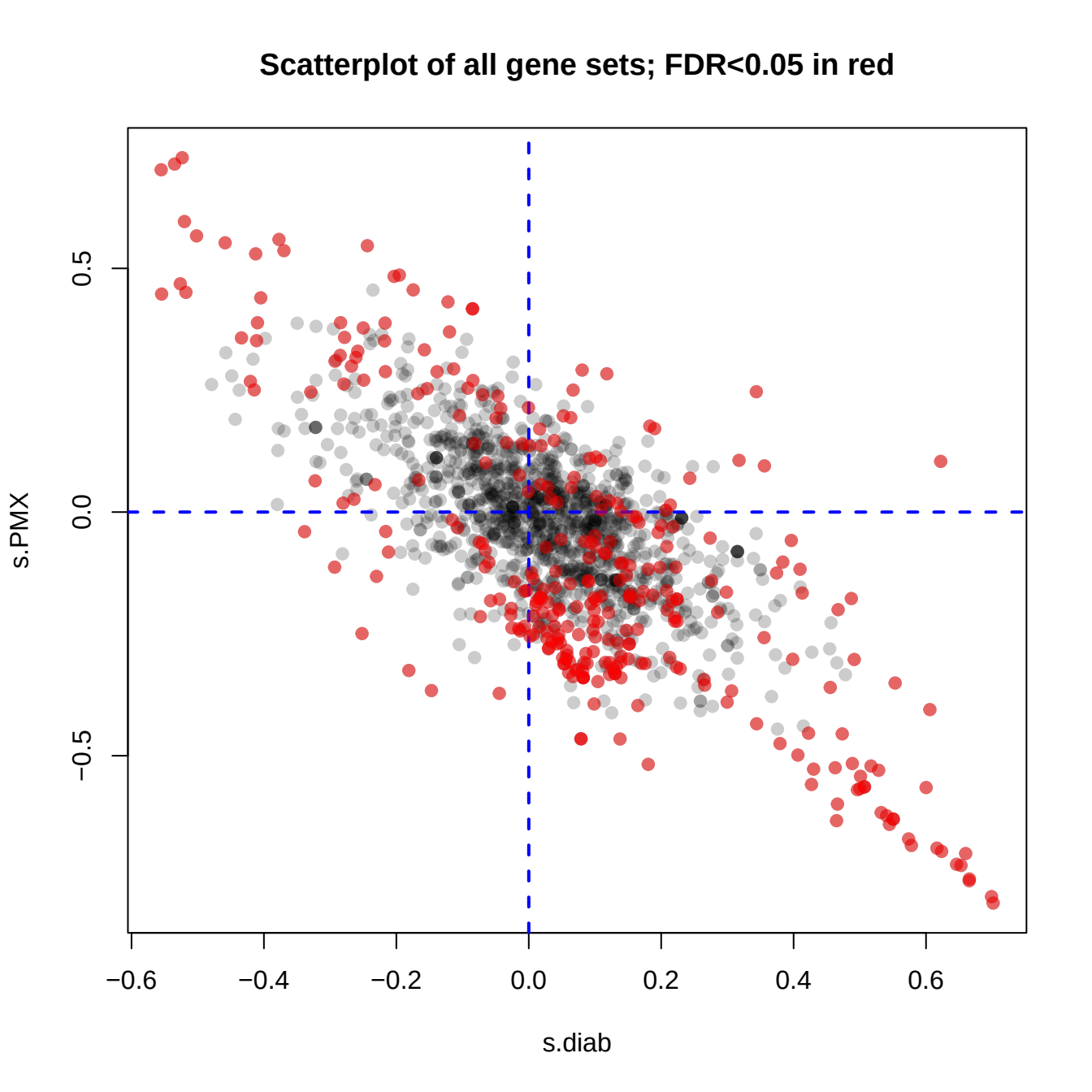

Scatterplot of all genes
PMX
diab
20
10
0
−10
−20
−20
−10
0
10
20

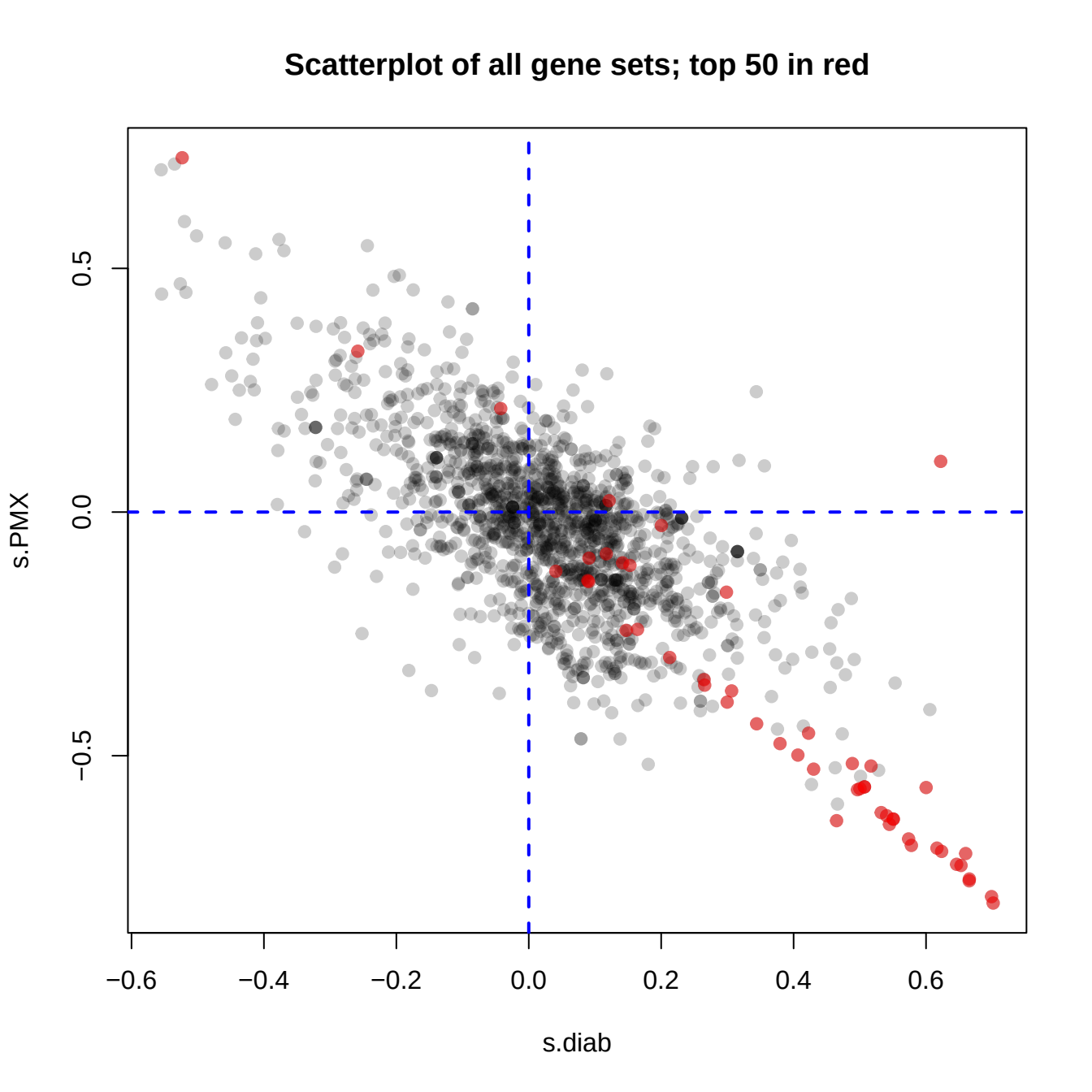

Rank−rank plot of all genes
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

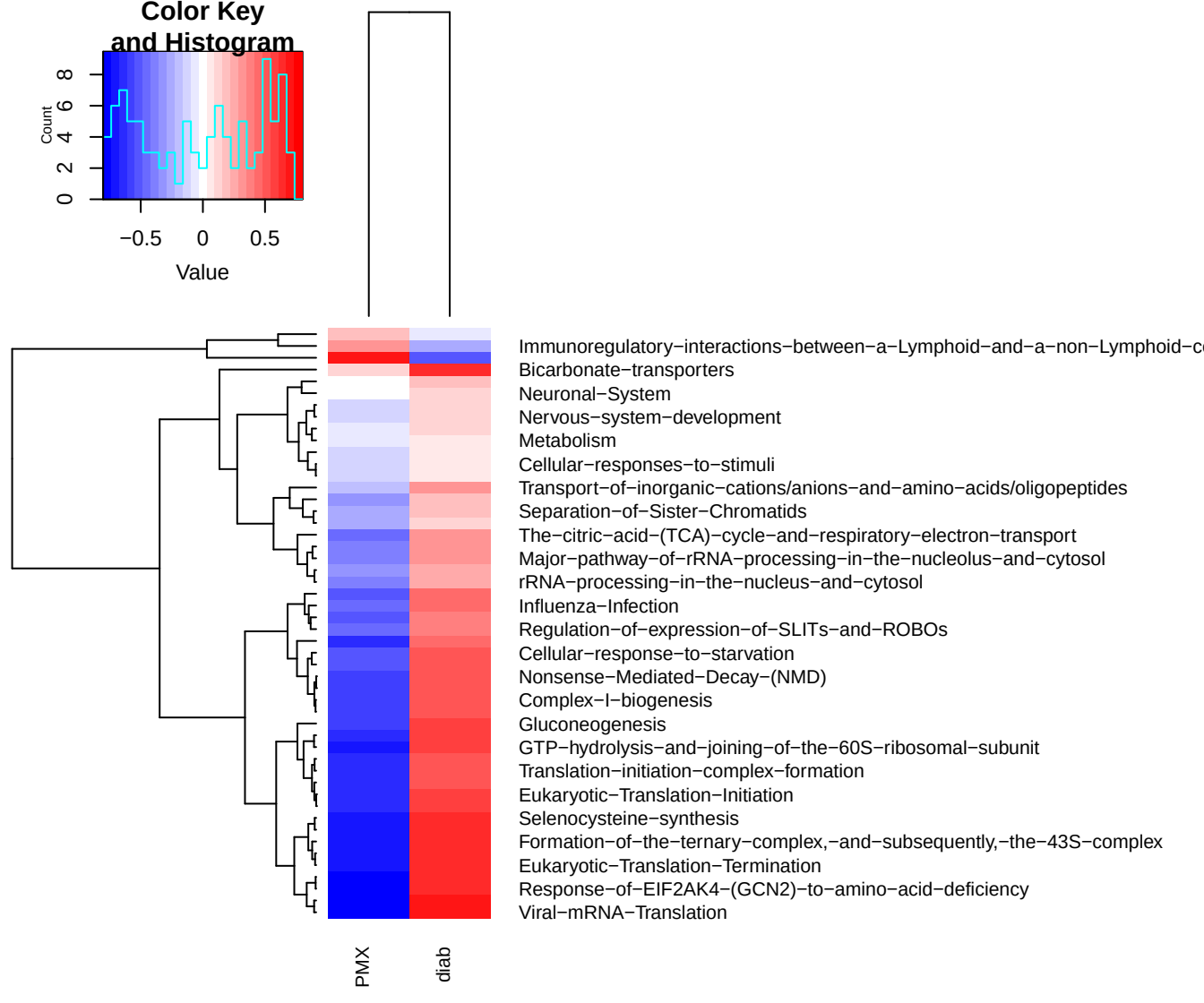

number of genes in each quadrant
0
2000
4000
6000
8000
10000
top−right
bottom−right
bottom−left
top−left

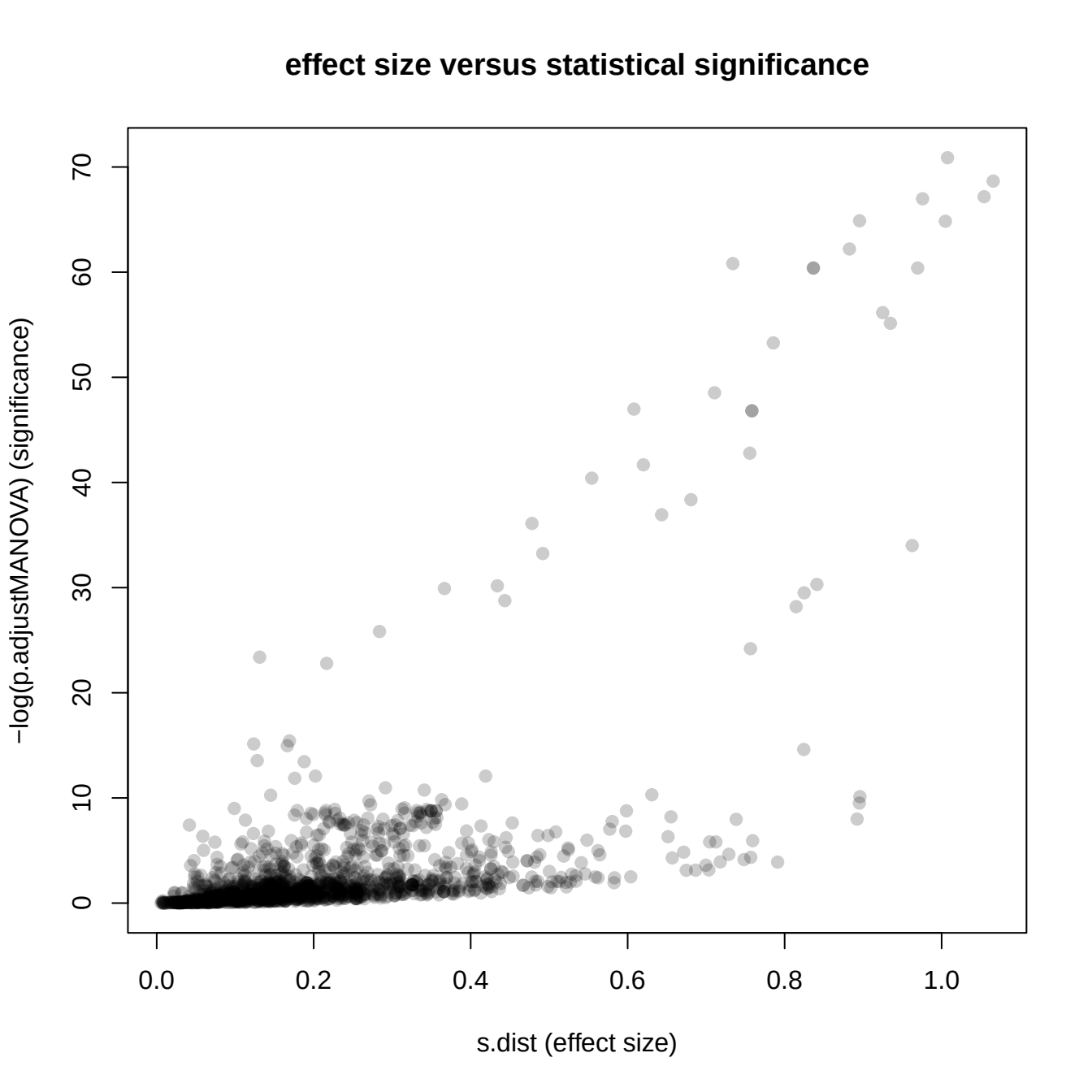

Gene set size
0
500
1000
1500
2000
number of member genes included in profile
Histogram of geneset size
Frequency
0
500
1000
1500
0
500
1000
1500
2000
geneset size
Trimmed histogram of geneset size
Frequency
0
500
1000
1500
0
100
200
300
400
500
geneset size

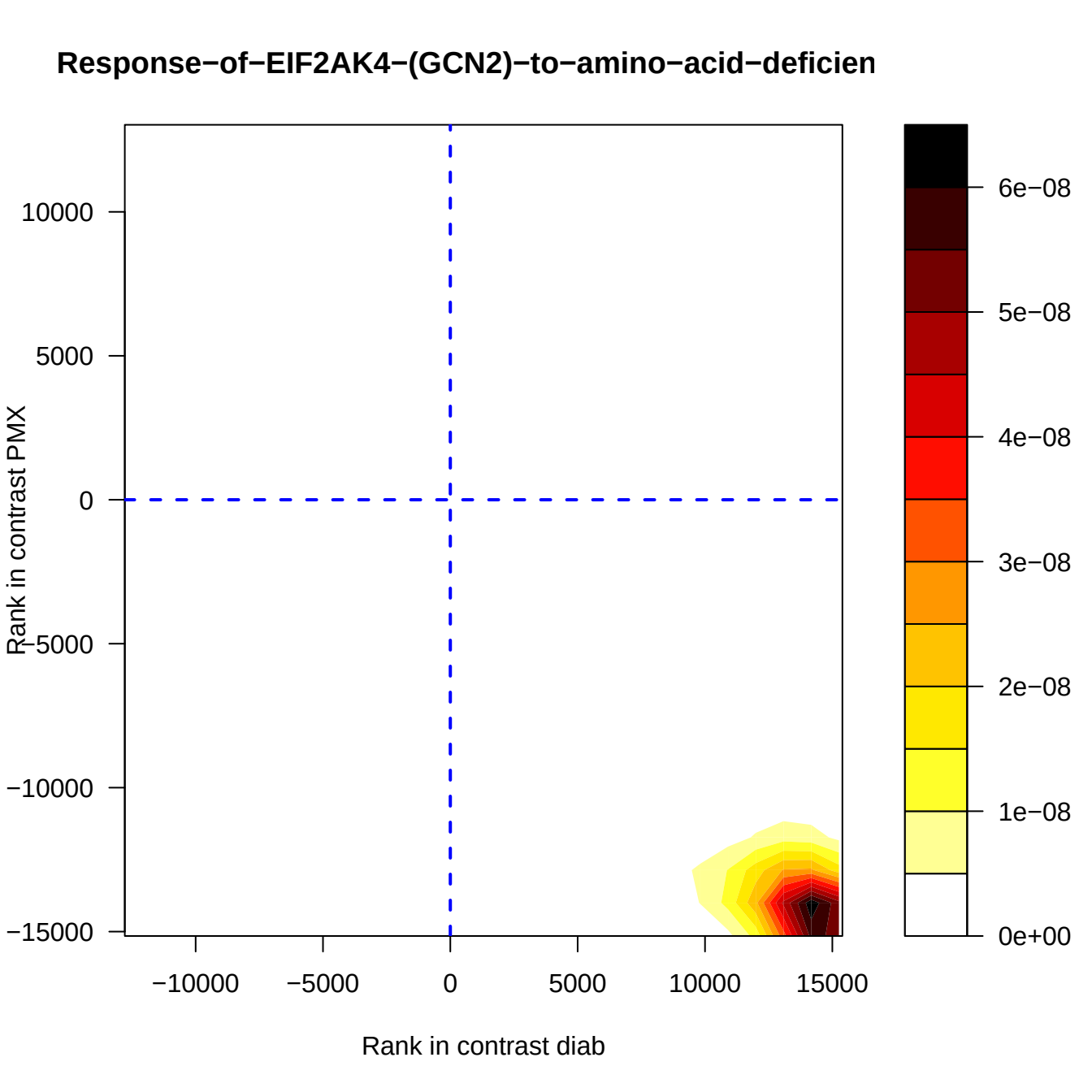

number of genesets FDR<0.05
0
50
100
150
top−right
bottom−right
bottom−left
top−left

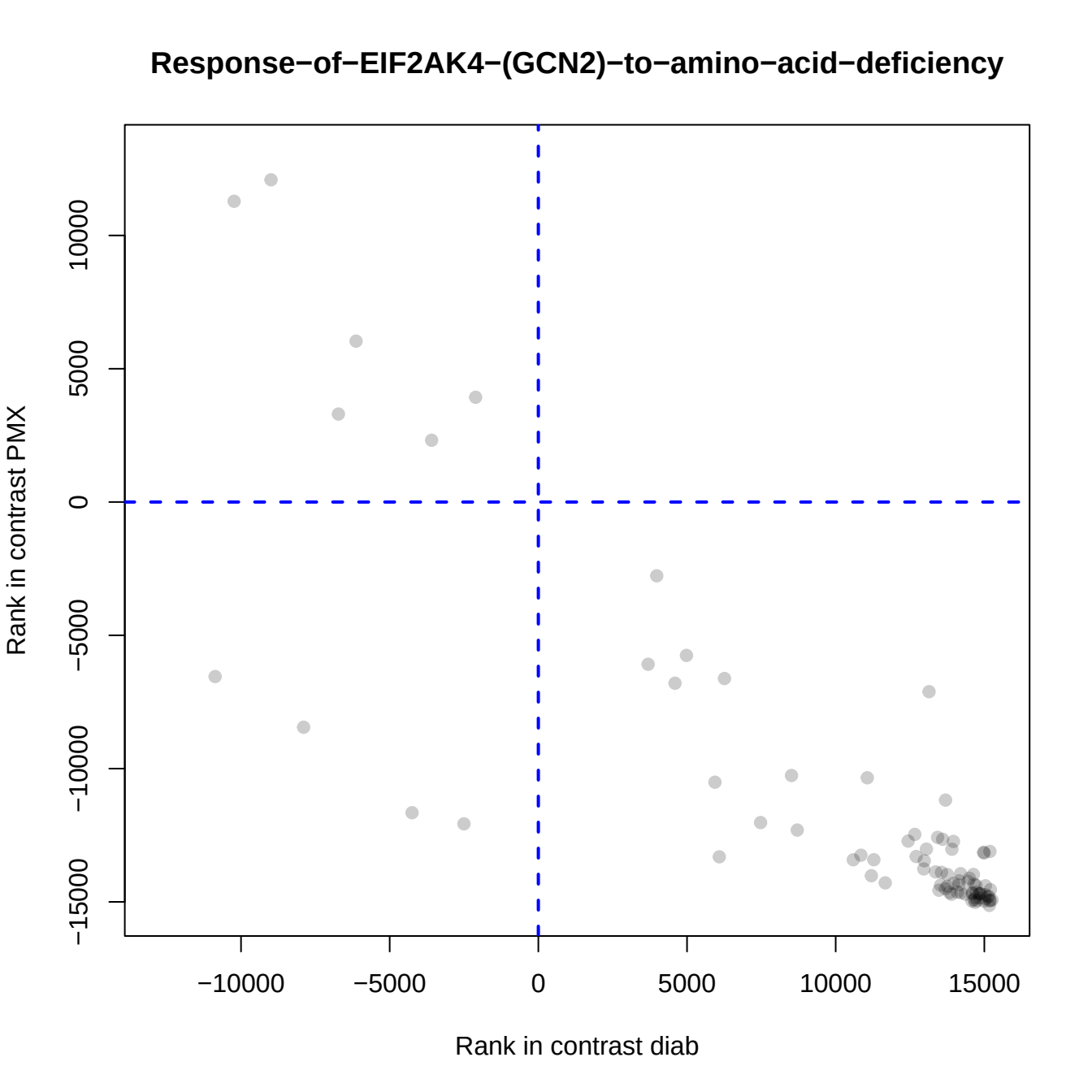

Scatterplot of all gene sets; FDR<0.05 in red
s.PMX
s.diab
0.5
0.0
−0.5
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6

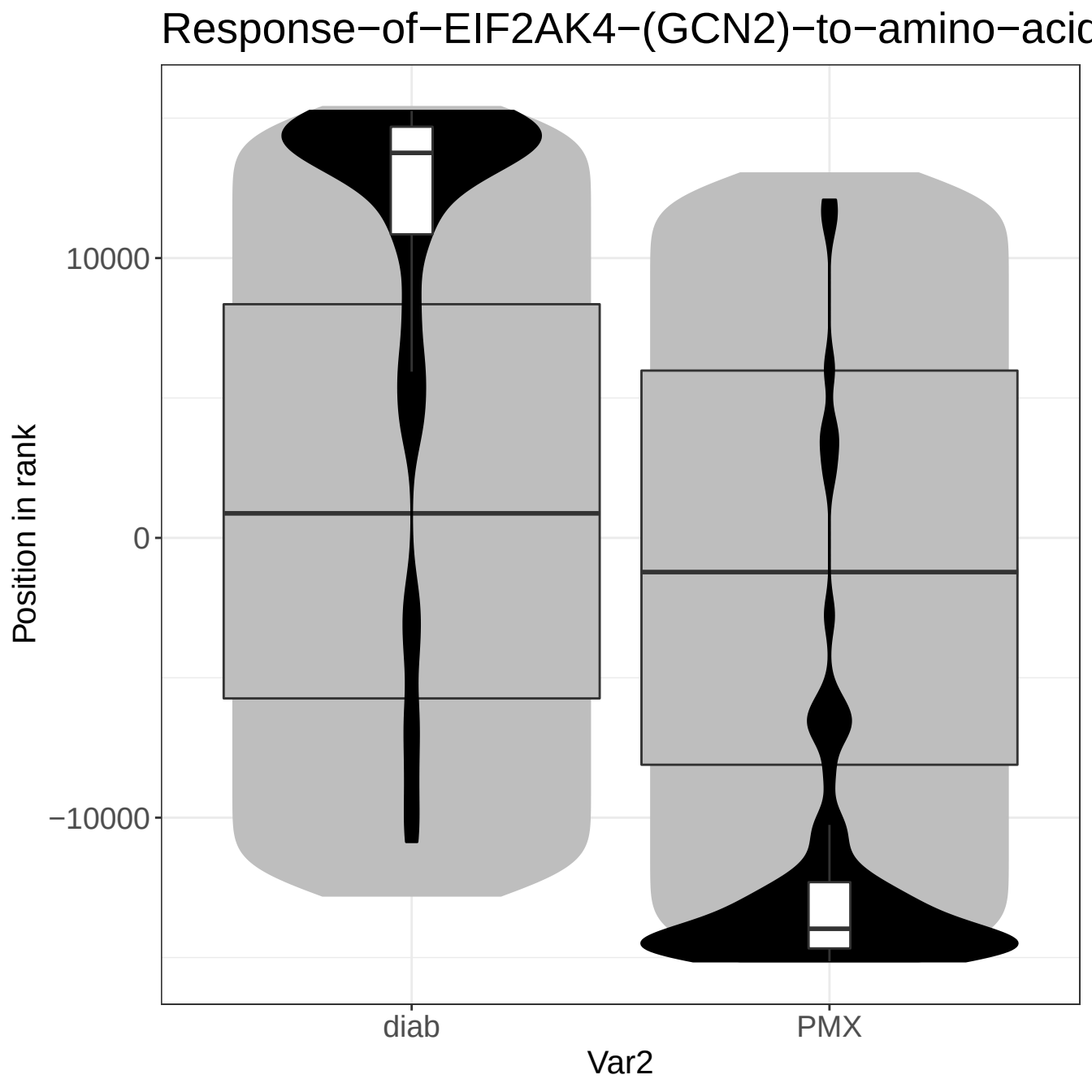

Scatterplot of all gene sets; top 50 in red
s.PMX
s.diab
0.5
0.0
−0.5
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6

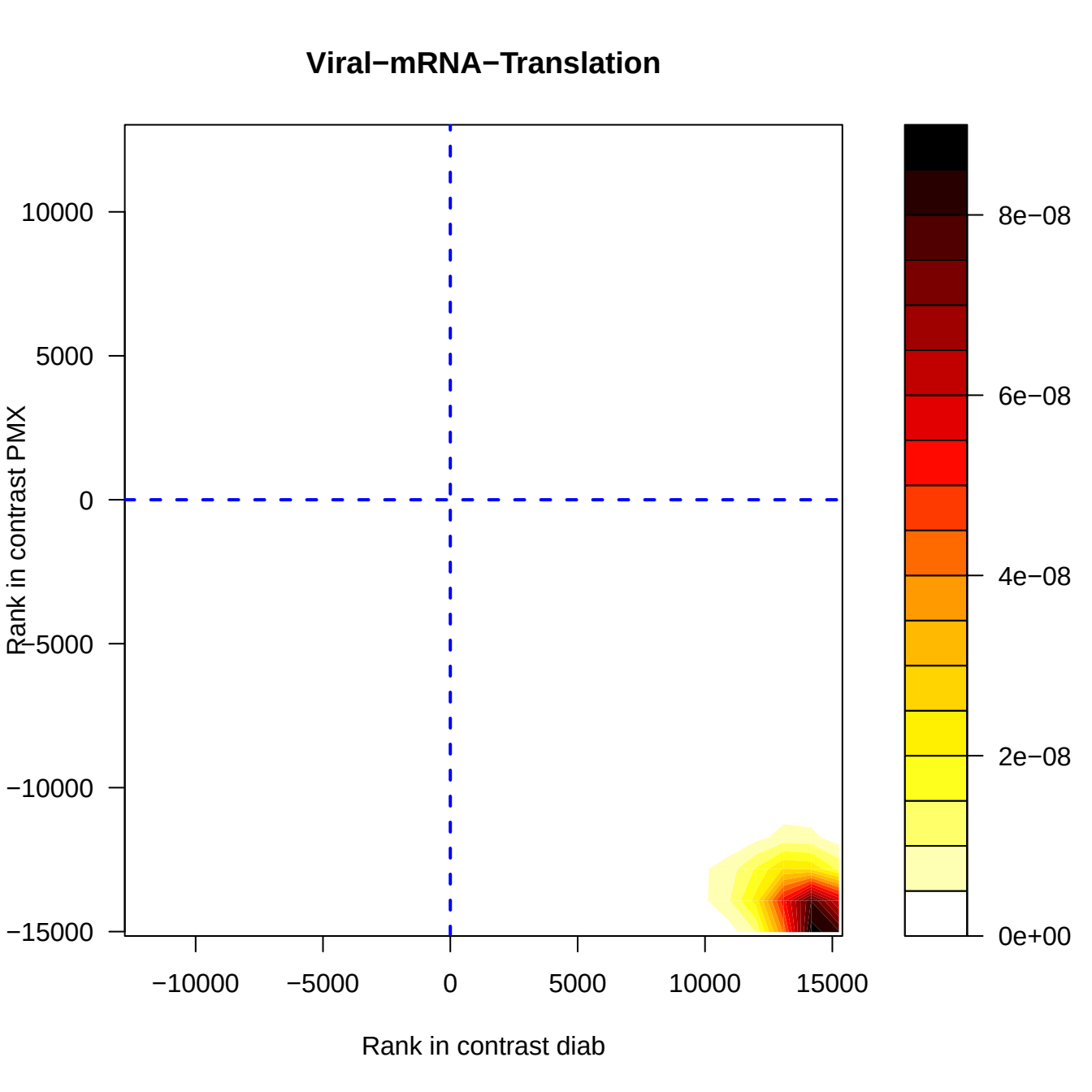

Color Key and Histogram
Count
0
2
4
6
8
−0.5
0
0.5
Value
Immunoregulatory−interactions−between−a−Lymphoid−and−a−non−Lymphoid−c
Bicarbonate−transporters
Neuronal−System
Nervous−system−development
Metabolism
Cellular−responses−to−stimuli
Transport−of−inorganic−cations/anions−and−amino−acids/oligopeptides
Separation−of−Sister−Chromatids
The−citric−acid−(TCA)−cycle−and−respiratory−electron−transport
Major−pathway−of−rRNA−processing−in−the−nucleolus−and−cytosol
rRNA−processing−in−the−nucleus−and−cytosol
Influenza−Infection
Regulation−of−expression−of−SLITs−and−ROBOs
Cellular−response−to−starvation
Nonsense−Mediated−Decay−(NMD)
Complex−I−biogenesis
Gluconeogenesis
GTP−hydrolysis−and−joining−of−the−60S−ribosomal−subunit
Translation−initiation−complex−formation
Eukaryotic−Translation−Initiation
Selenocysteine−synthesis
Formation−of−the−ternary−complex,−and−subsequently,−the−43S−complex
Eukaryotic−Translation−Termination
Response−of−EIF2AK4−(GCN2)−to−amino−acid−deficiency
Viral−mRNA−Translation
PMX
diab

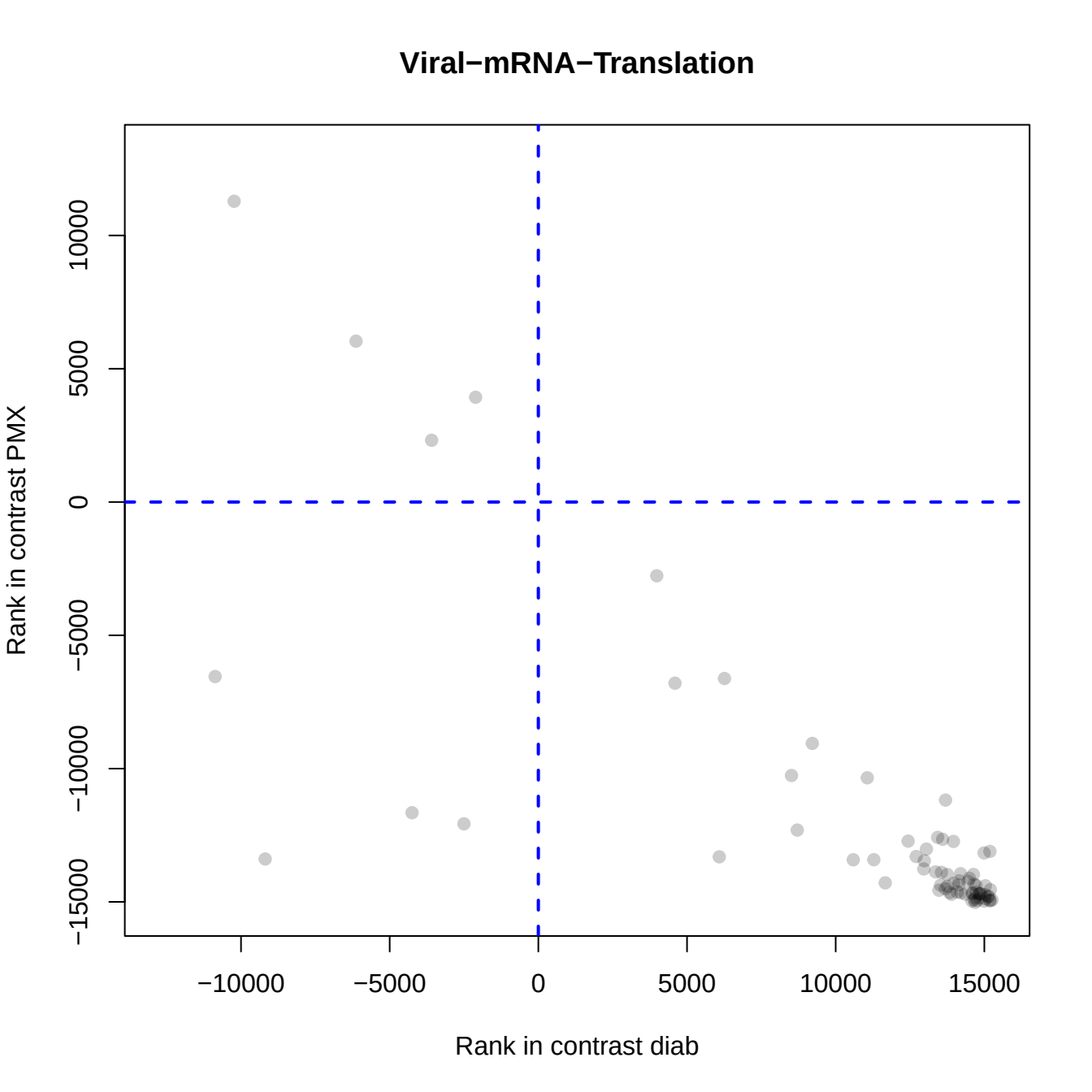

effect size versus statistical significance
−log(p.adjustMANOVA) (significance)
0
10
20
30
40
50
60
70
0.0
0.2
0.4
0.6
0.8
1.0
s.dist (effect size)

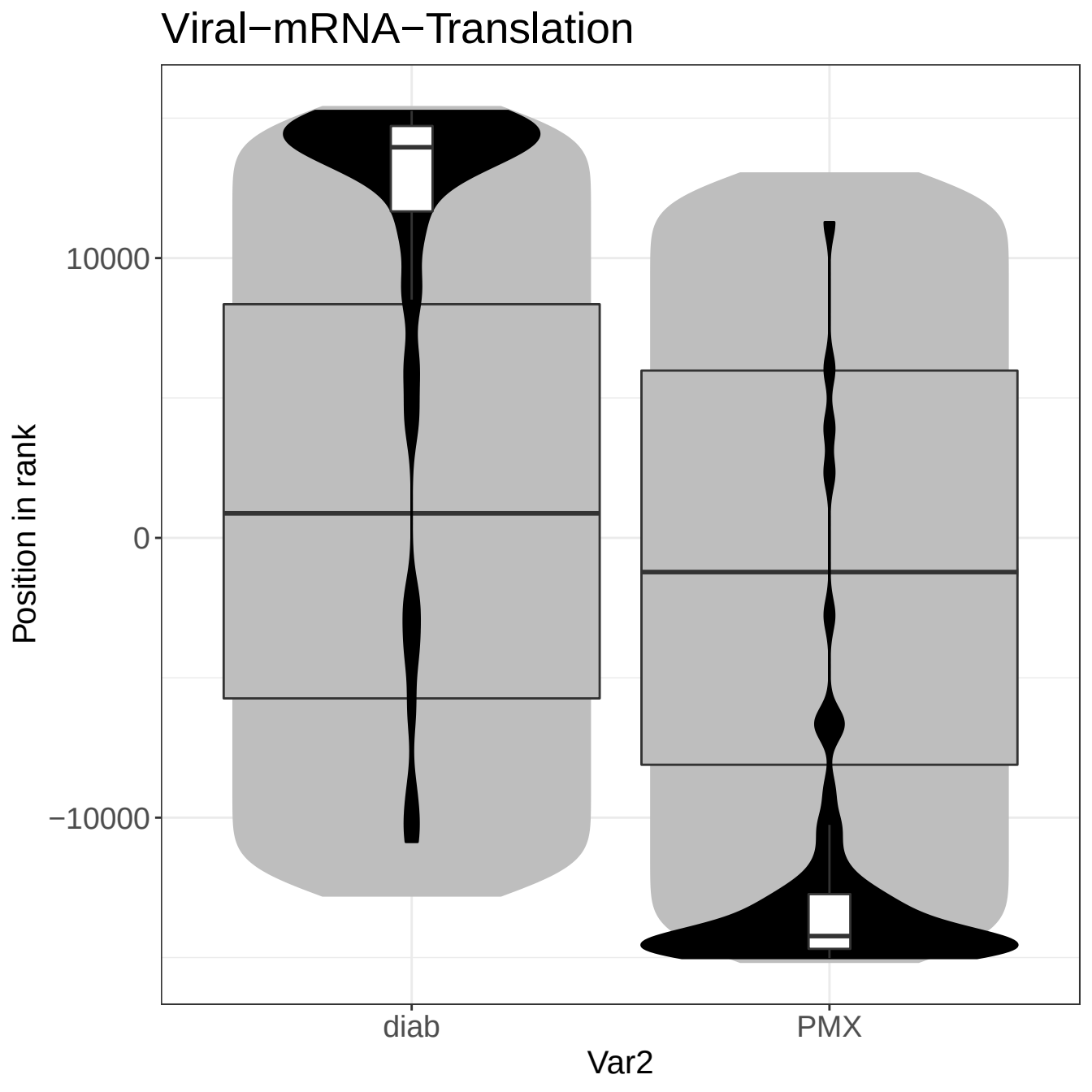

Response−of−EIF2AK4−(GCN2)−to−amino−acid−deficien
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
6e−08
5e−08
4e−08
3e−08
2e−08
1e−08
0e+00

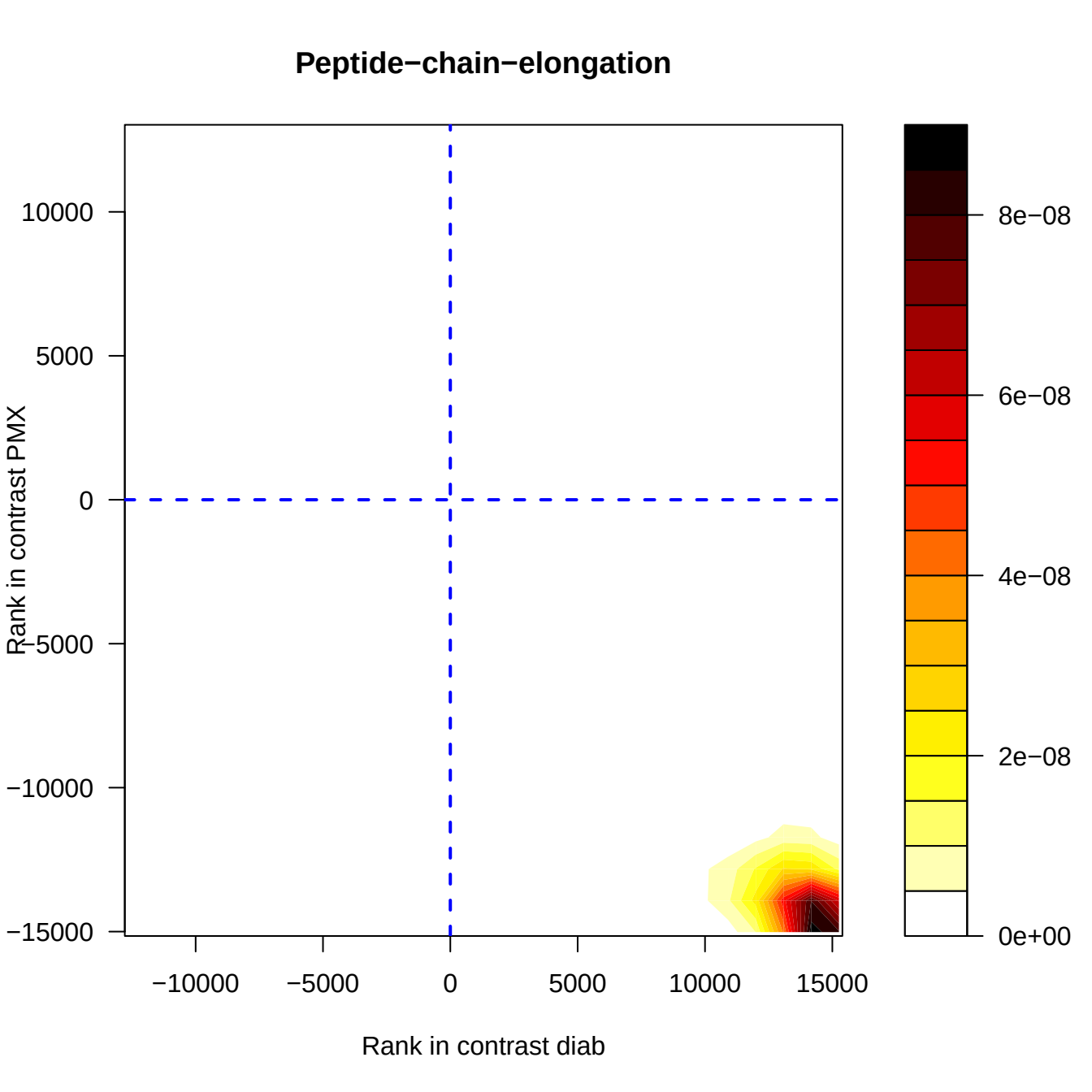

Response−of−EIF2AK4−(GCN2)−to−amino−acid−deficiency
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

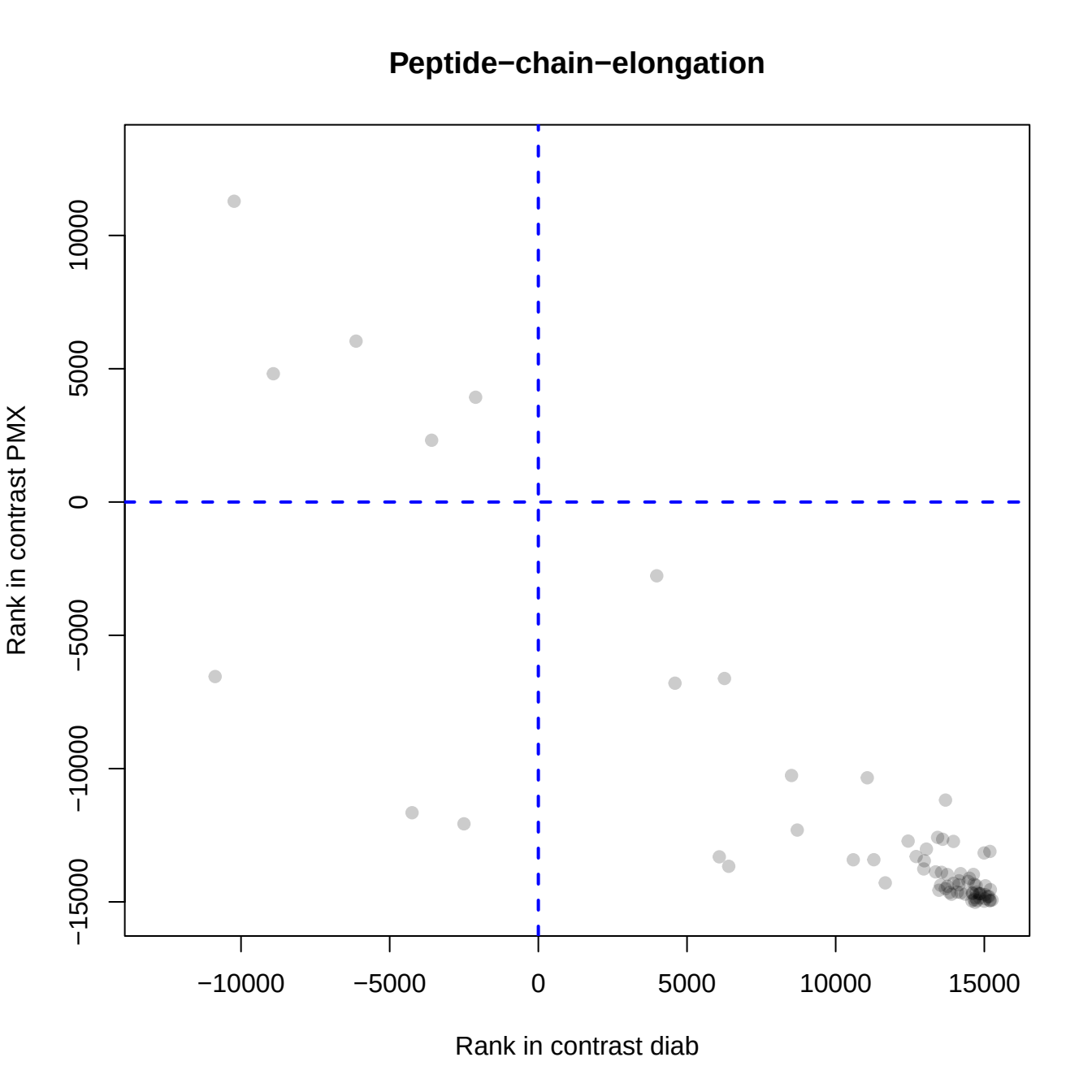

Response−of−EIF2AK4−(GCN2)−to−amino−acid
10000
0
−10000
Position in rank
diab
PMX
Var2

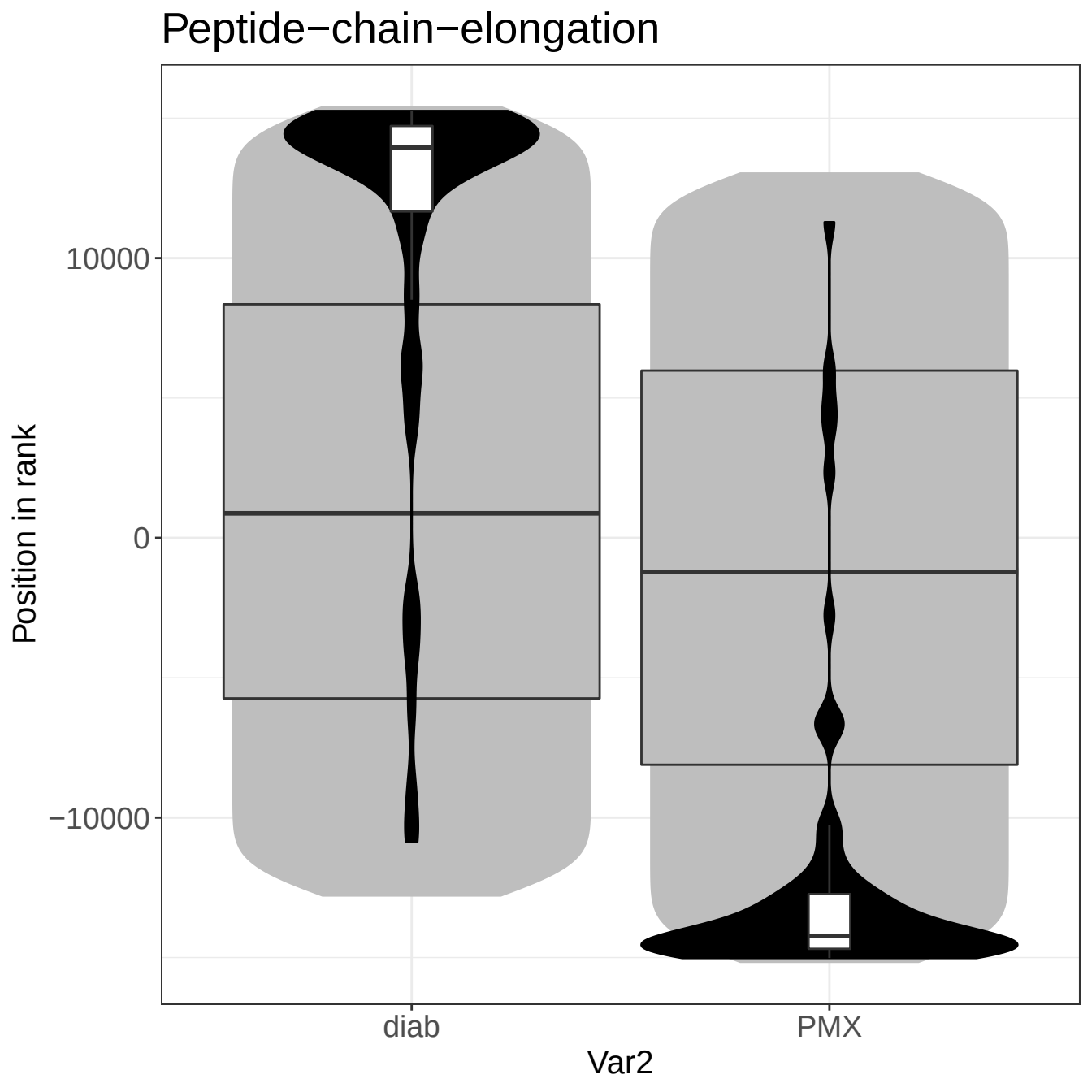

Viral−mRNA−Translation
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
8e−08
6e−08
4e−08
2e−08
0e+00

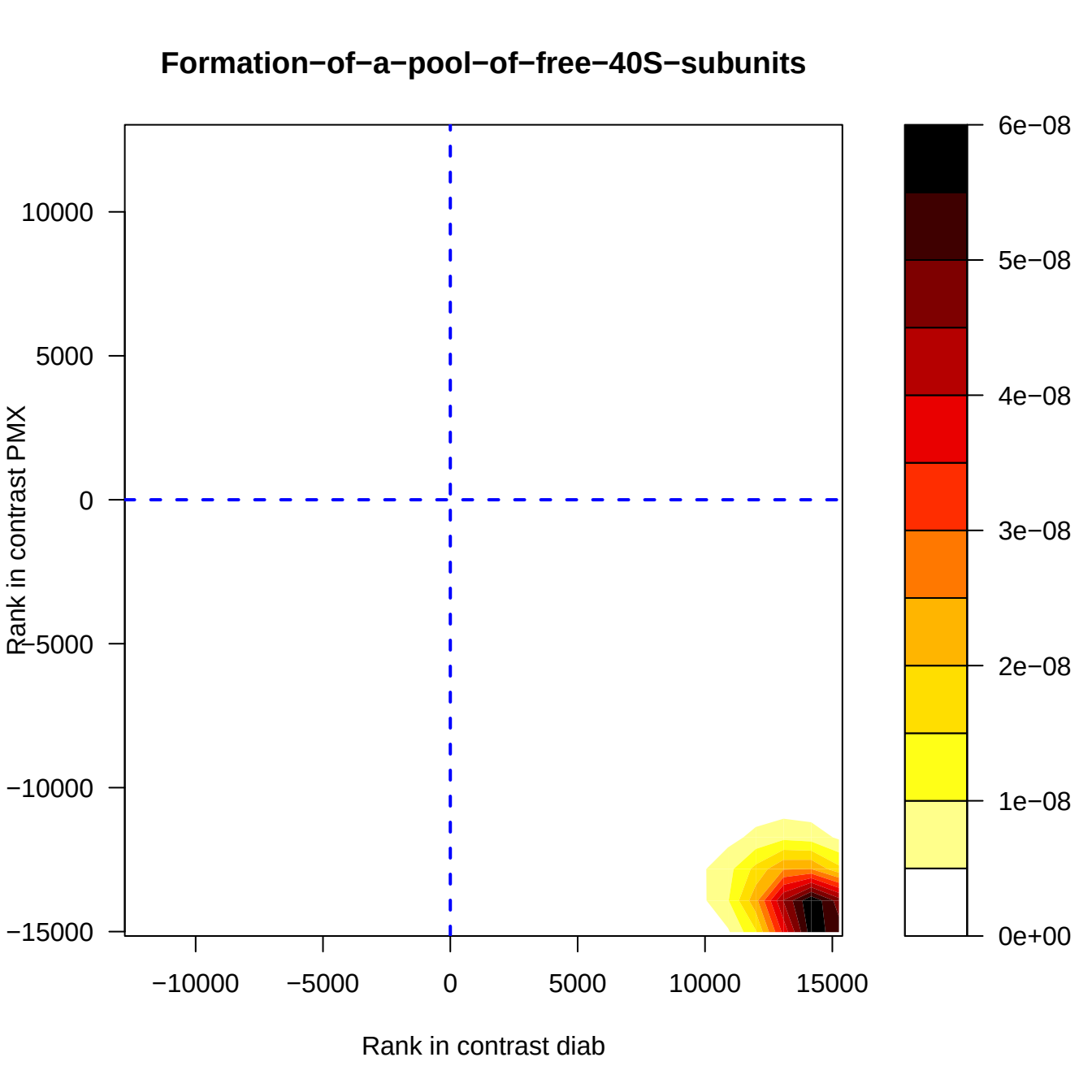

Viral−mRNA−Translation
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

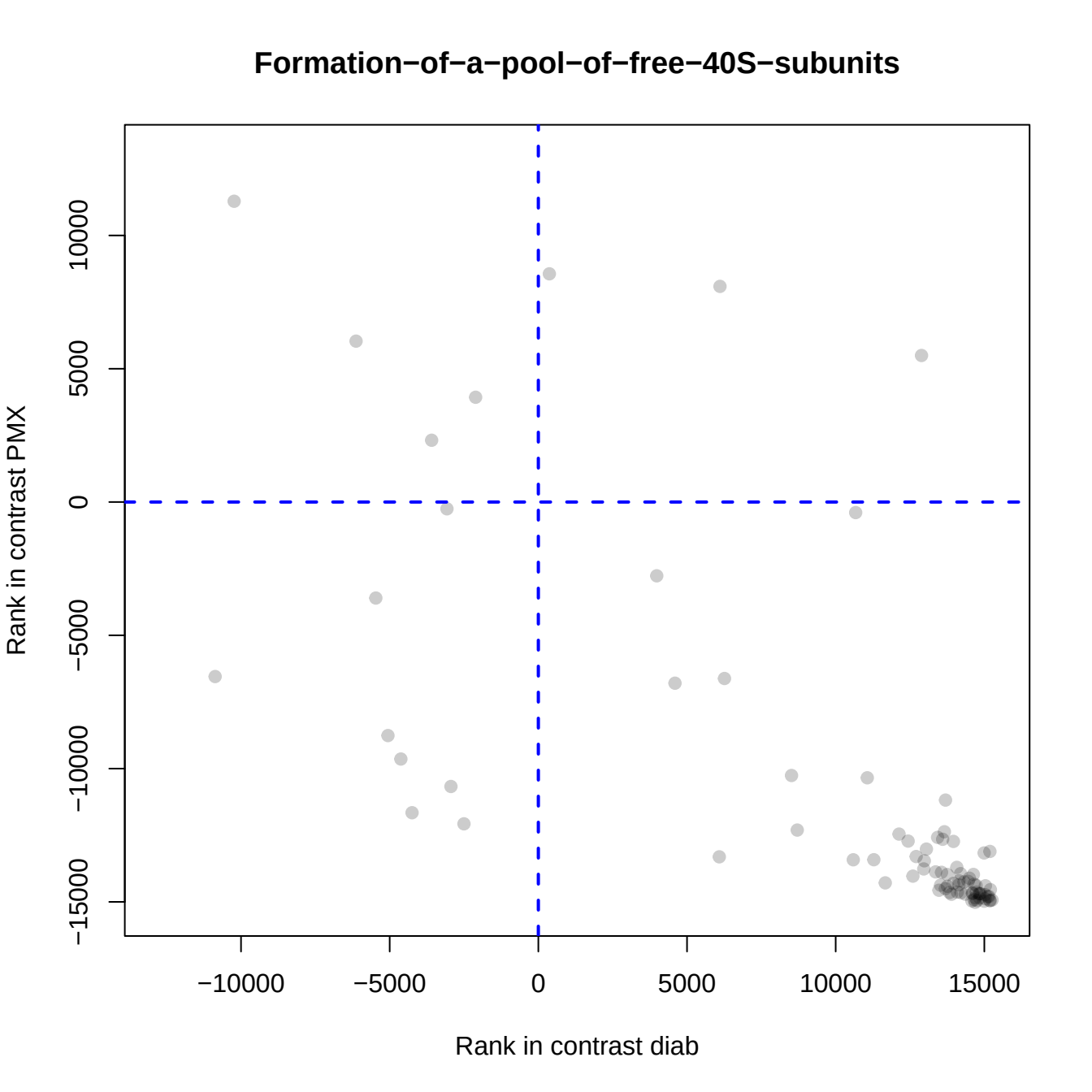

Viral−mRNA−Translation
10000
0
−10000
Position in rank
diab
PMX
Var2

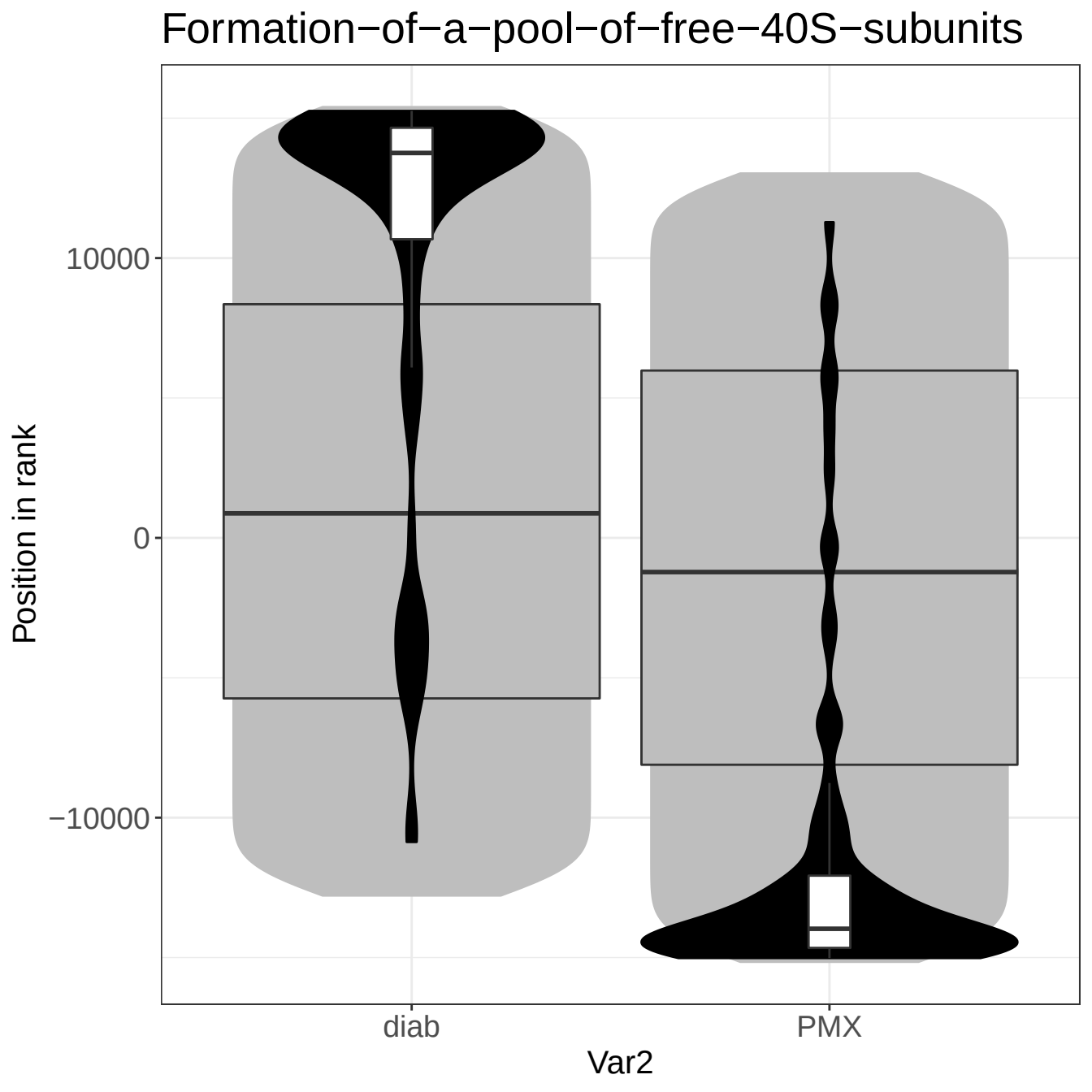

Peptide−chain−elongation
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
8e−08
6e−08
4e−08
2e−08
0e+00

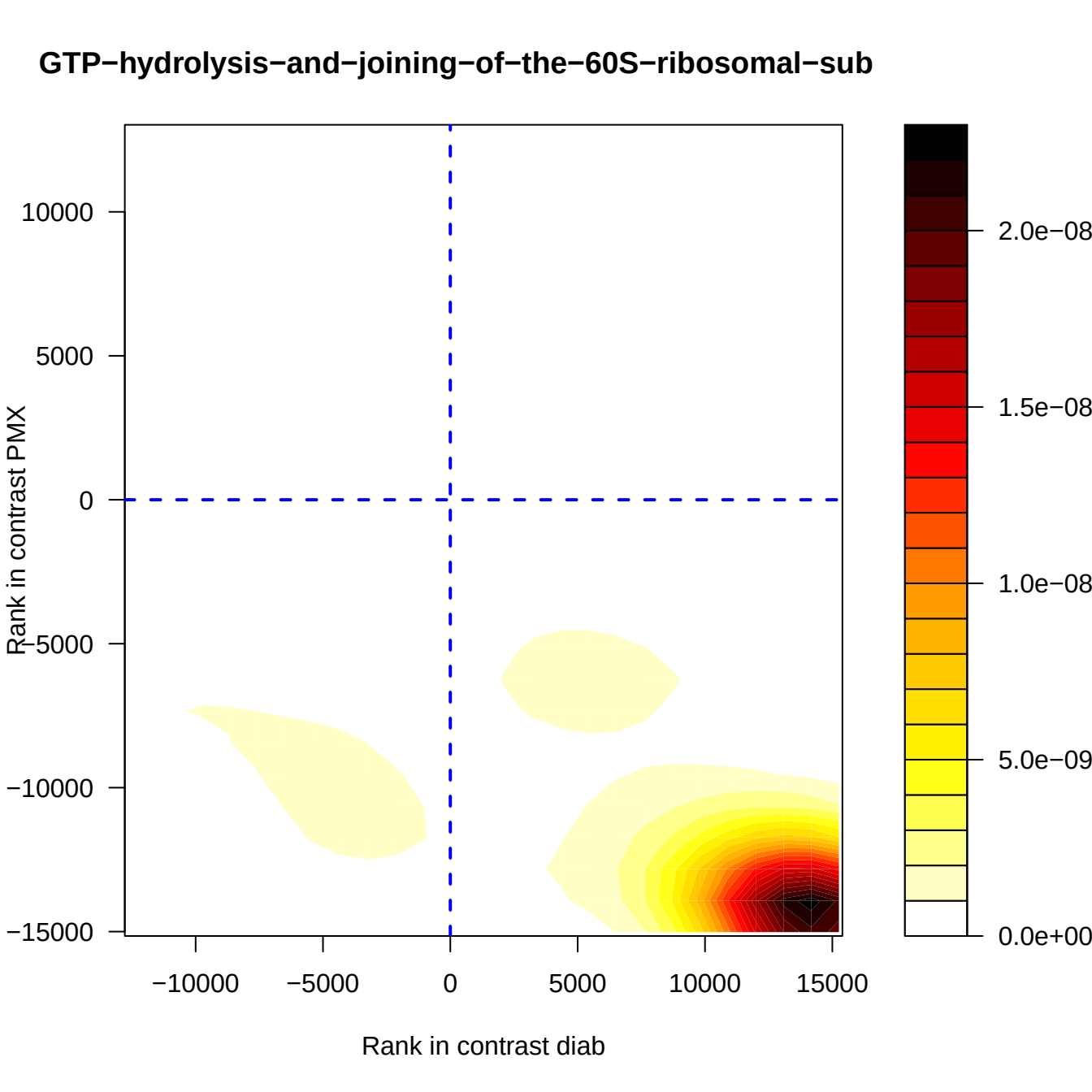

Peptide−chain−elongation
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

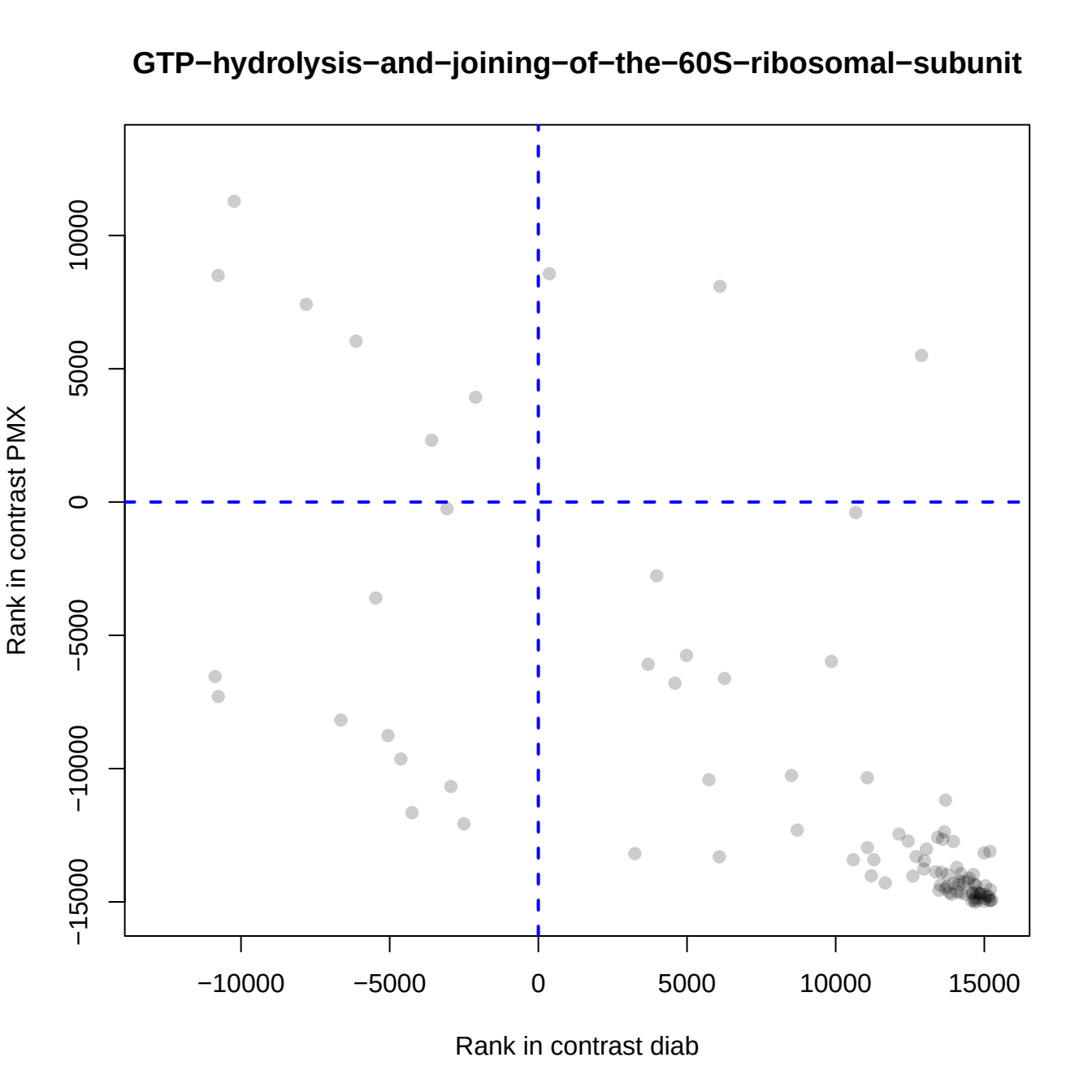

Peptide−chain−elongation
10000
0
−10000
Position in rank
diab
PMX
Var2

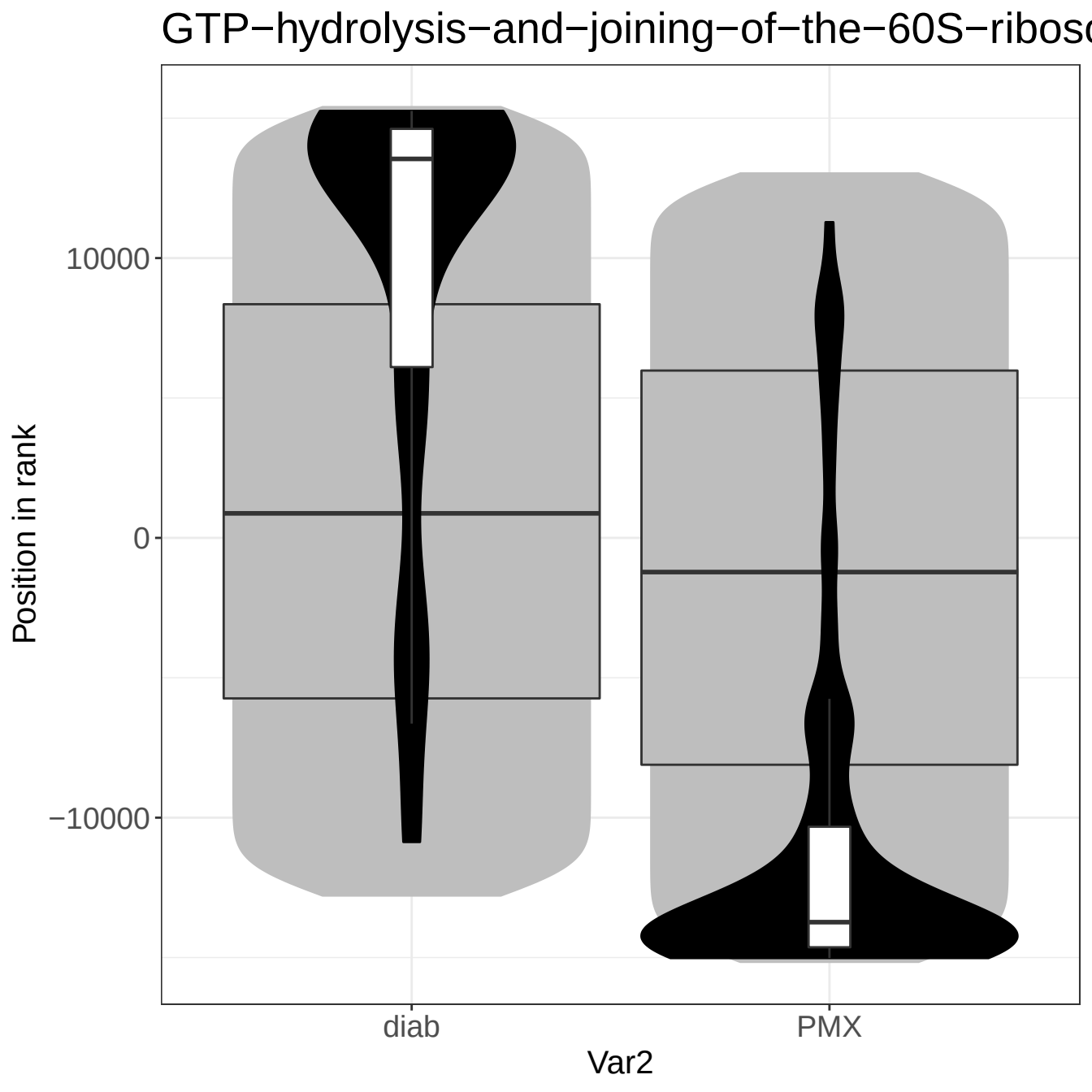

Formation−of−a−pool−of−free−40S−subunits
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
6e−08
5e−08
4e−08
3e−08
2e−08
1e−08
0e+00

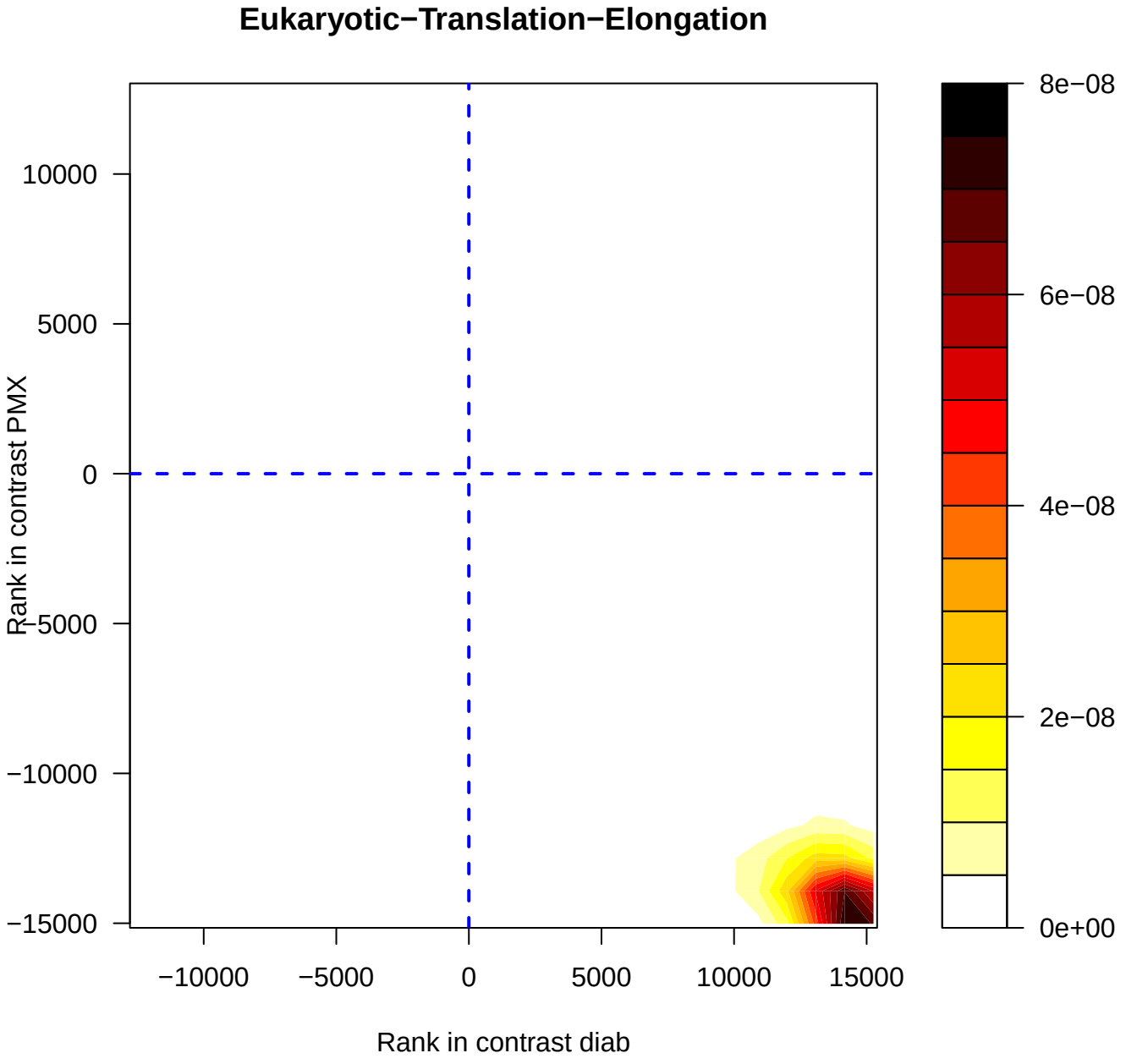

Formation−of−a−pool−of−free−40S−subunits
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

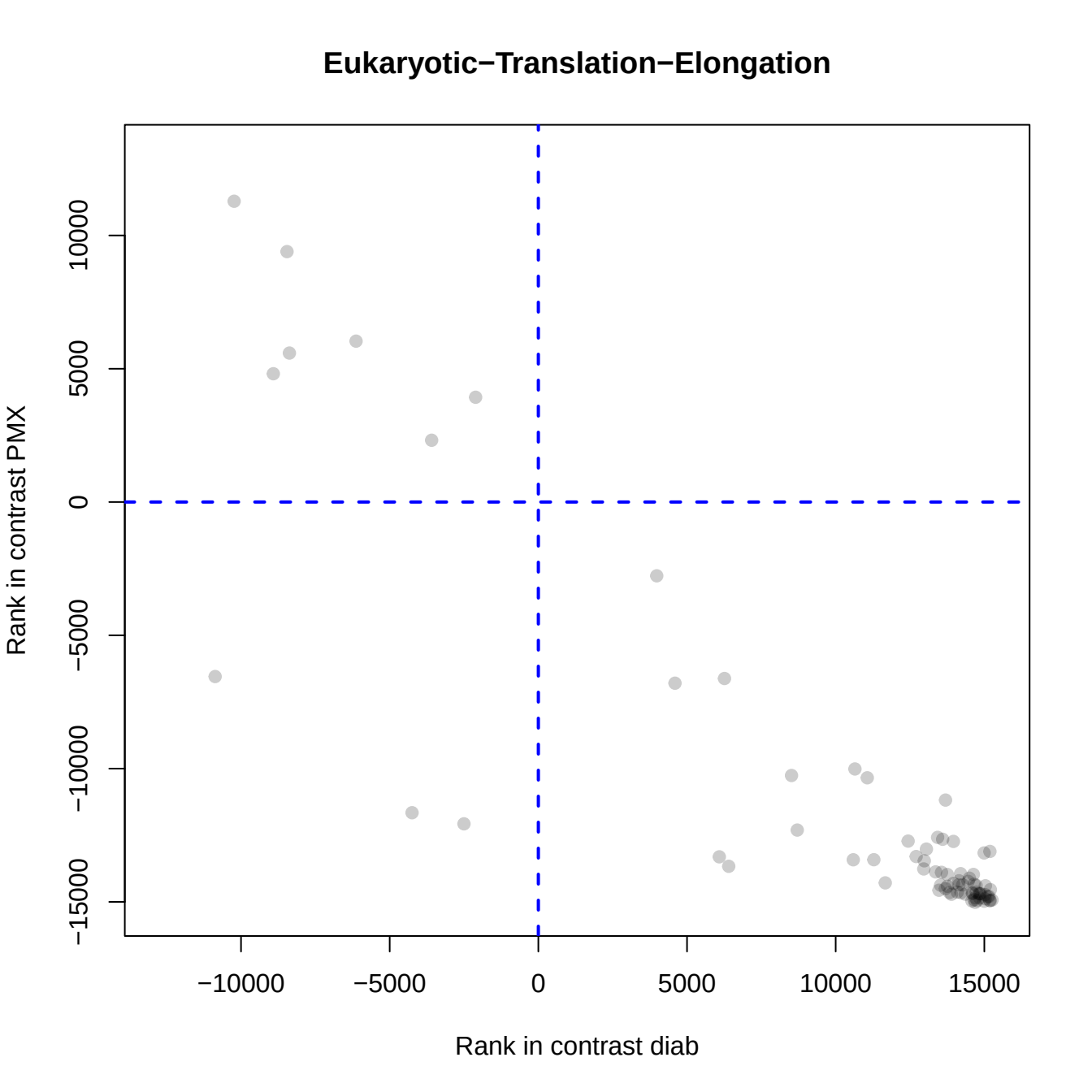

Formation−of−a−pool−of−free−40S−subunits
10000
0
−10000
Position in rank
diab
PMX
Var2

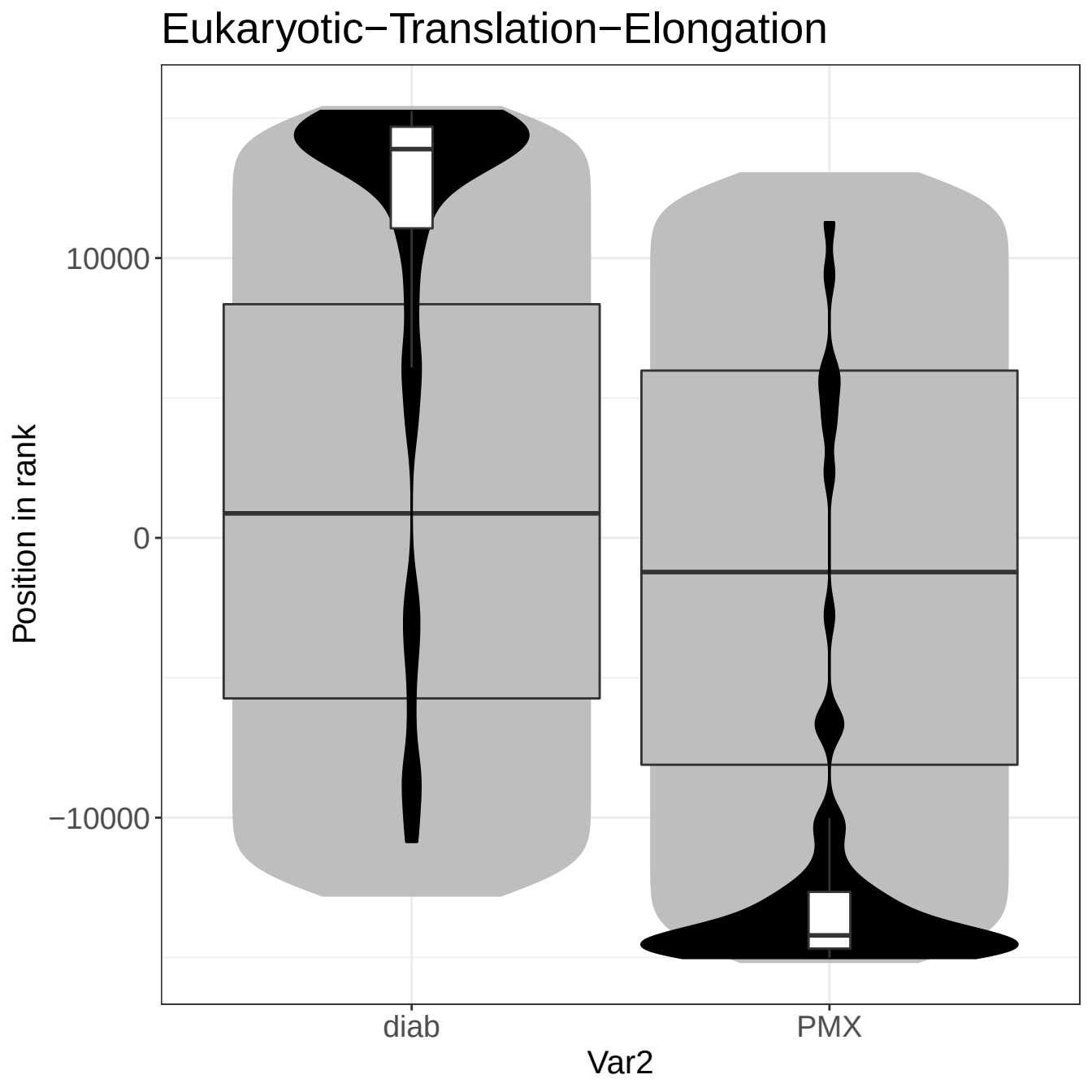

GTP−hydrolysis−and−joining−of−the−60S−ribosomal−sub
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
2.0e−08
1.5e−08
1.0e−08
5.0e−09
0.0e+00

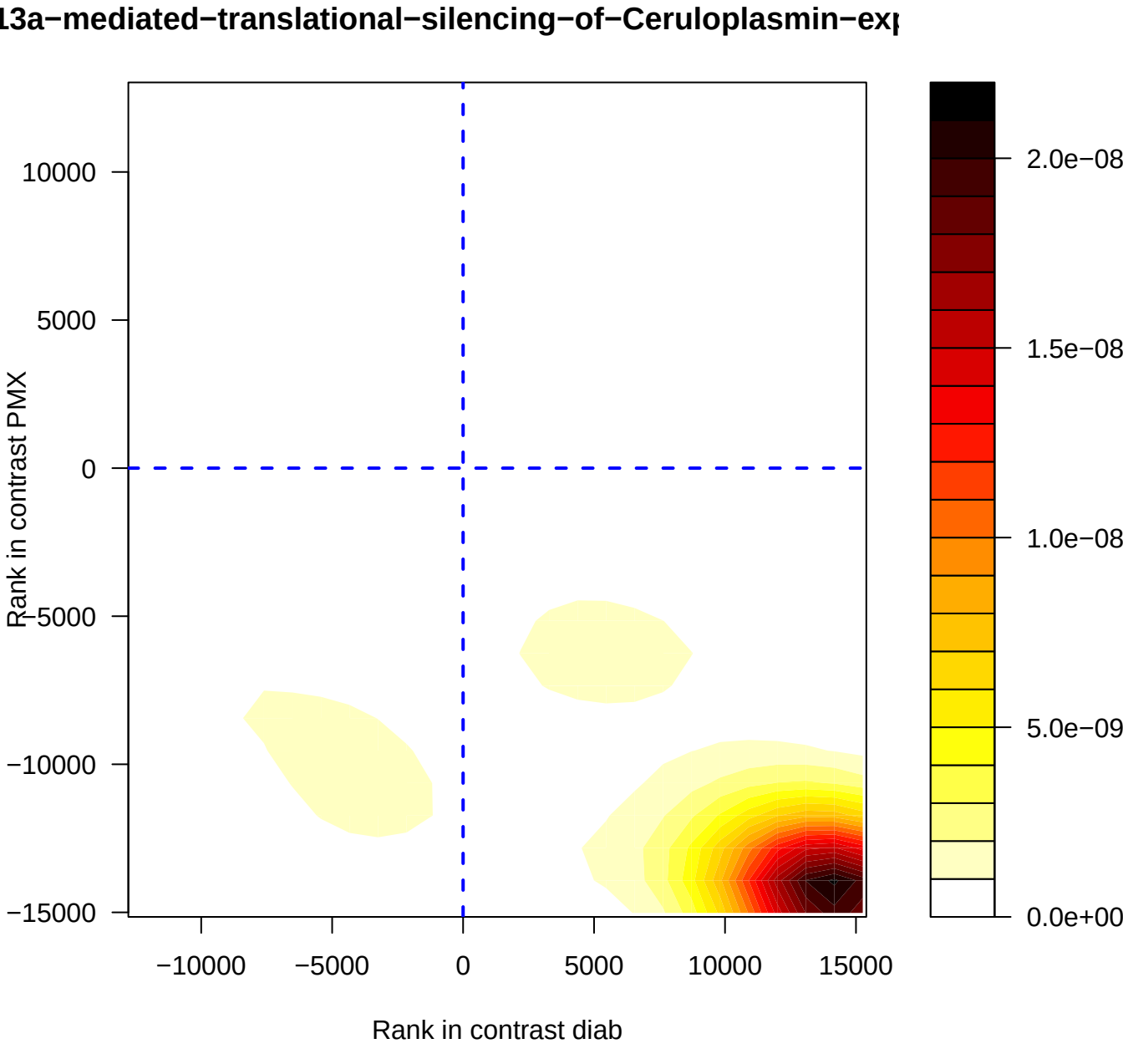

GTP−hydrolysis−and−joining−of−the−60S−ribosomal−subunit
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

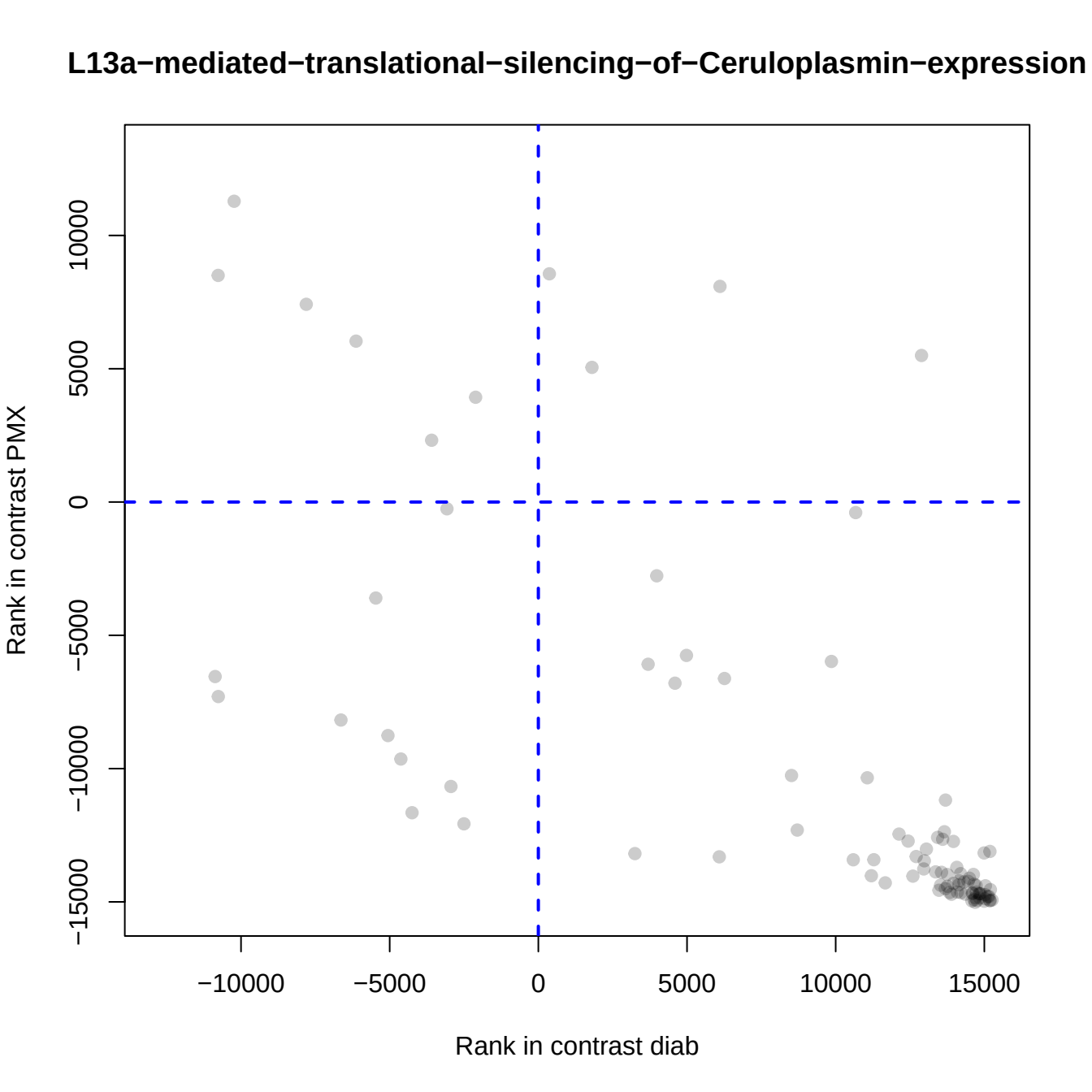

GTP−hydrolysis−and−joining−of−the−60S−riboso
10000
0
−10000
Position in rank
diab
PMX
Var2

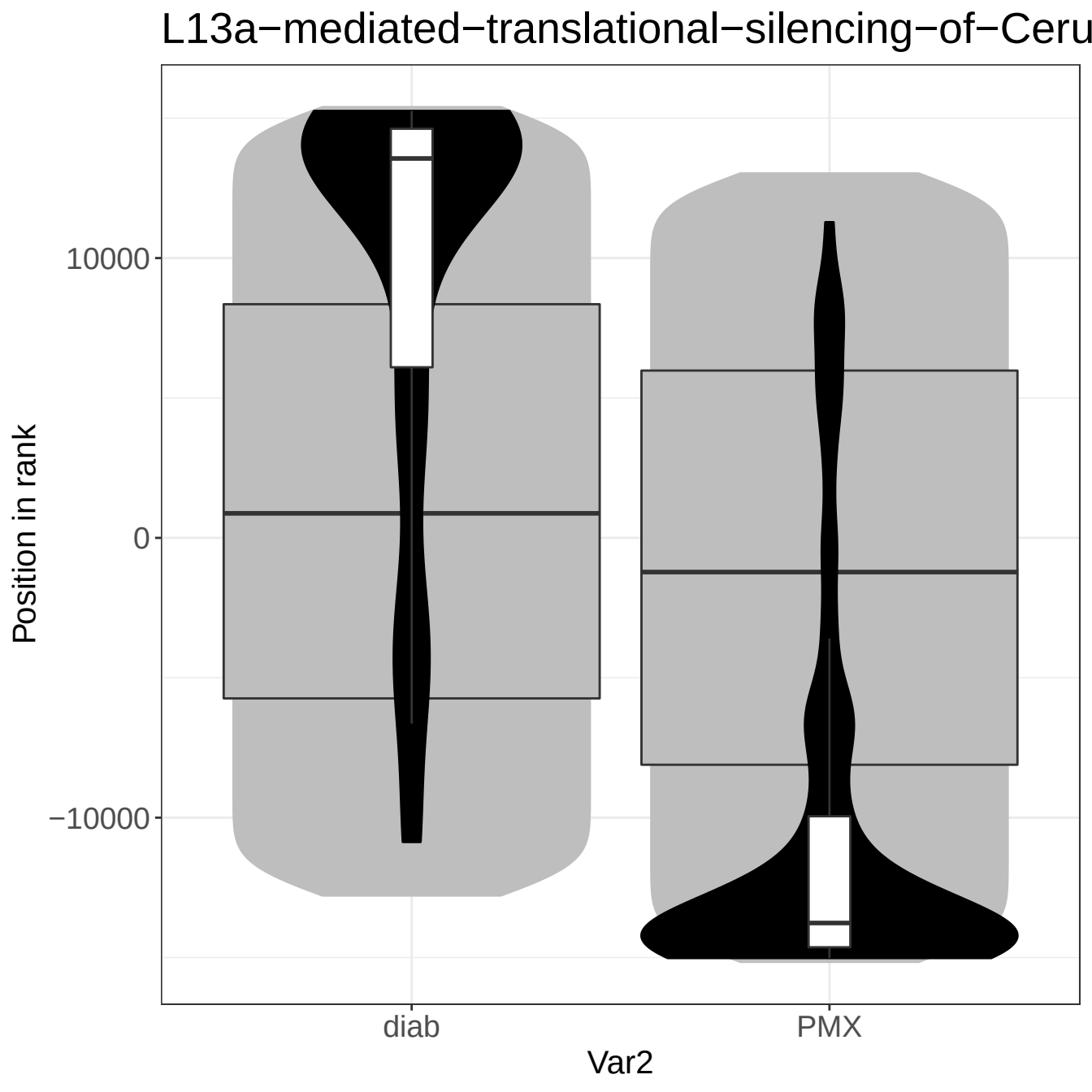

Eukaryotic−Translation−Elongation
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
8e−08
6e−08
4e−08
2e−08
0e+00

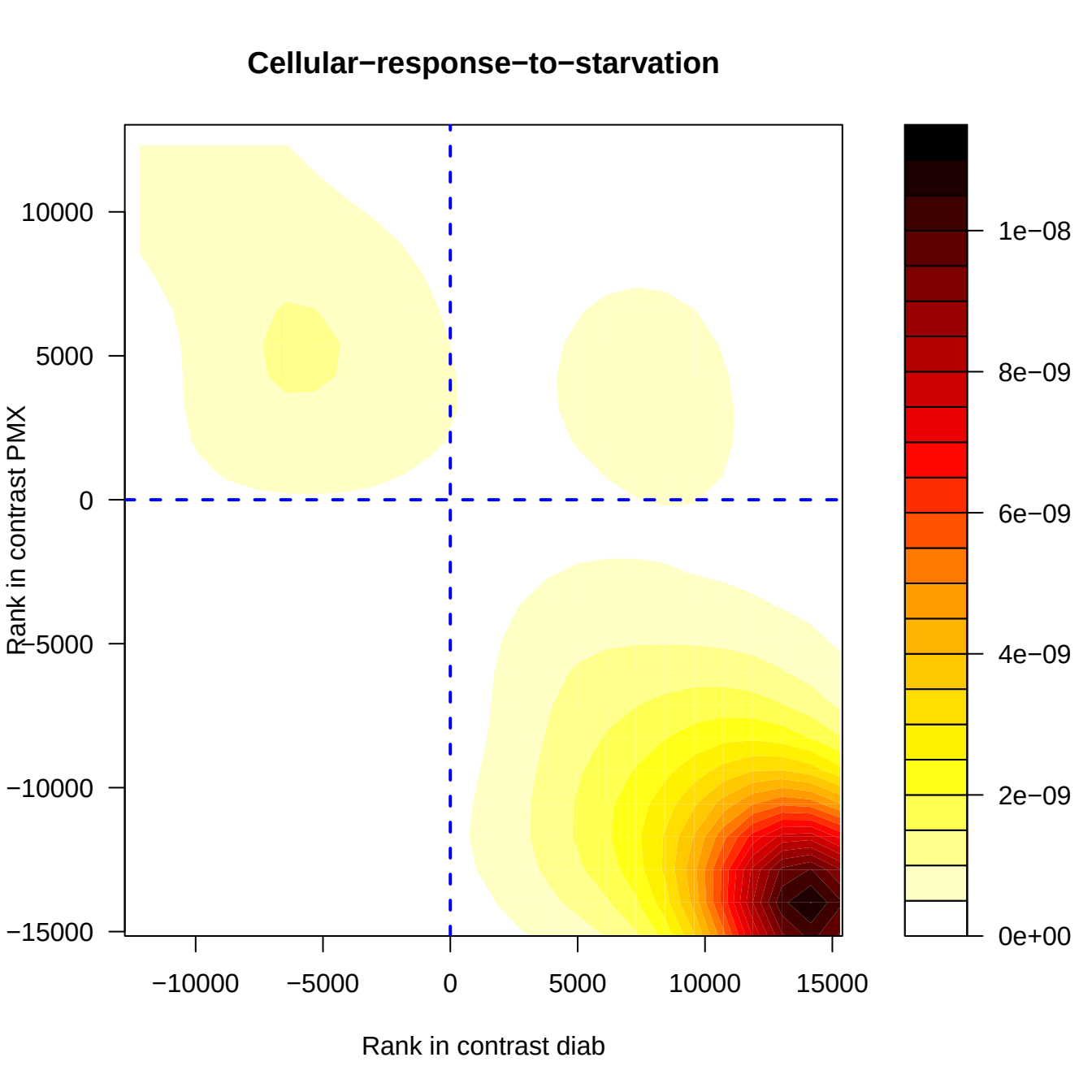

Eukaryotic−Translation−Elongation
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

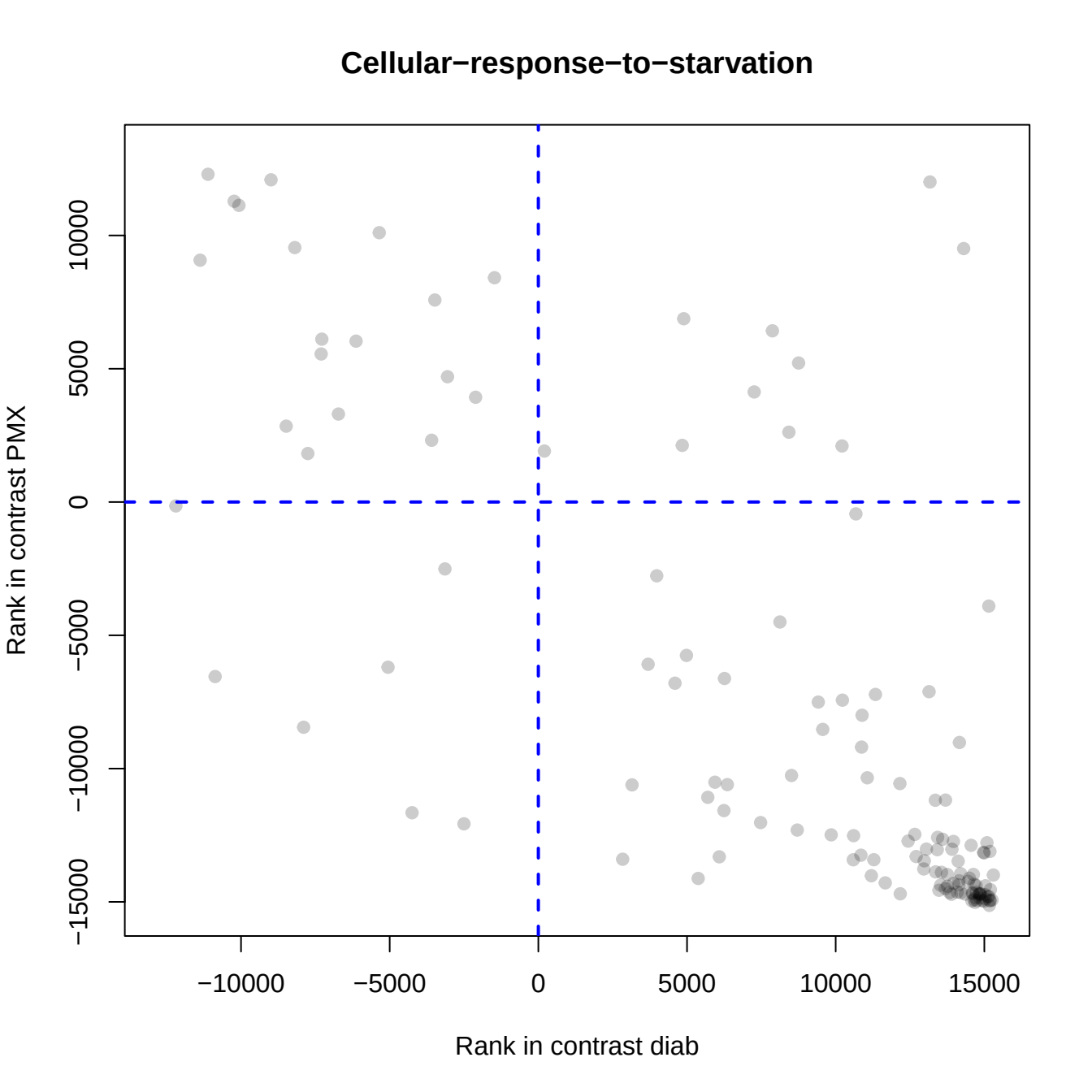

Eukaryotic−Translation−Elongation
10000
0
−10000
Position in rank
diab
PMX
Var2

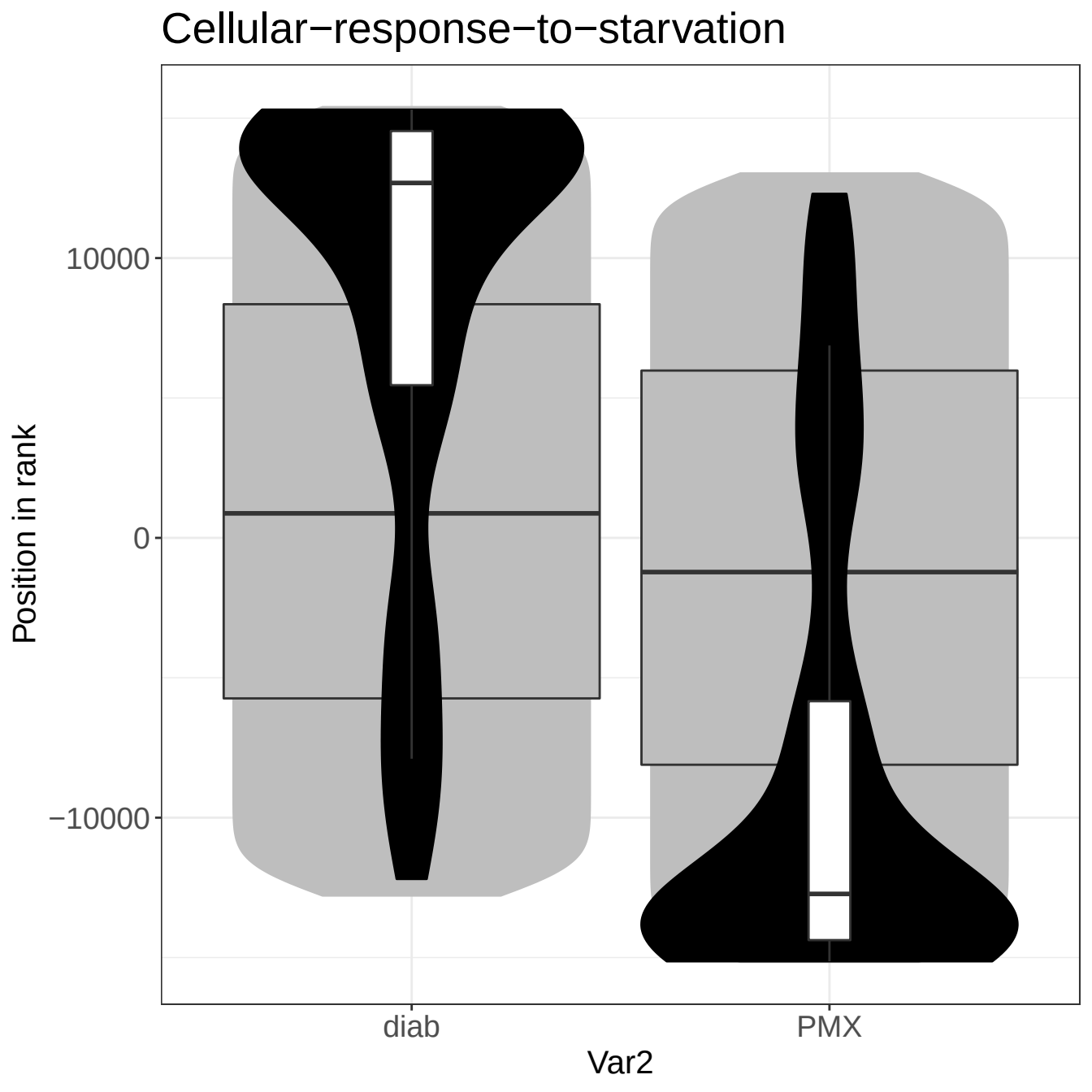

13a−mediated−translational−silencing−of−Ceruloplasmin−exp
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
2.0e−08
1.5e−08
1.0e−08
5.0e−09
0.0e+00

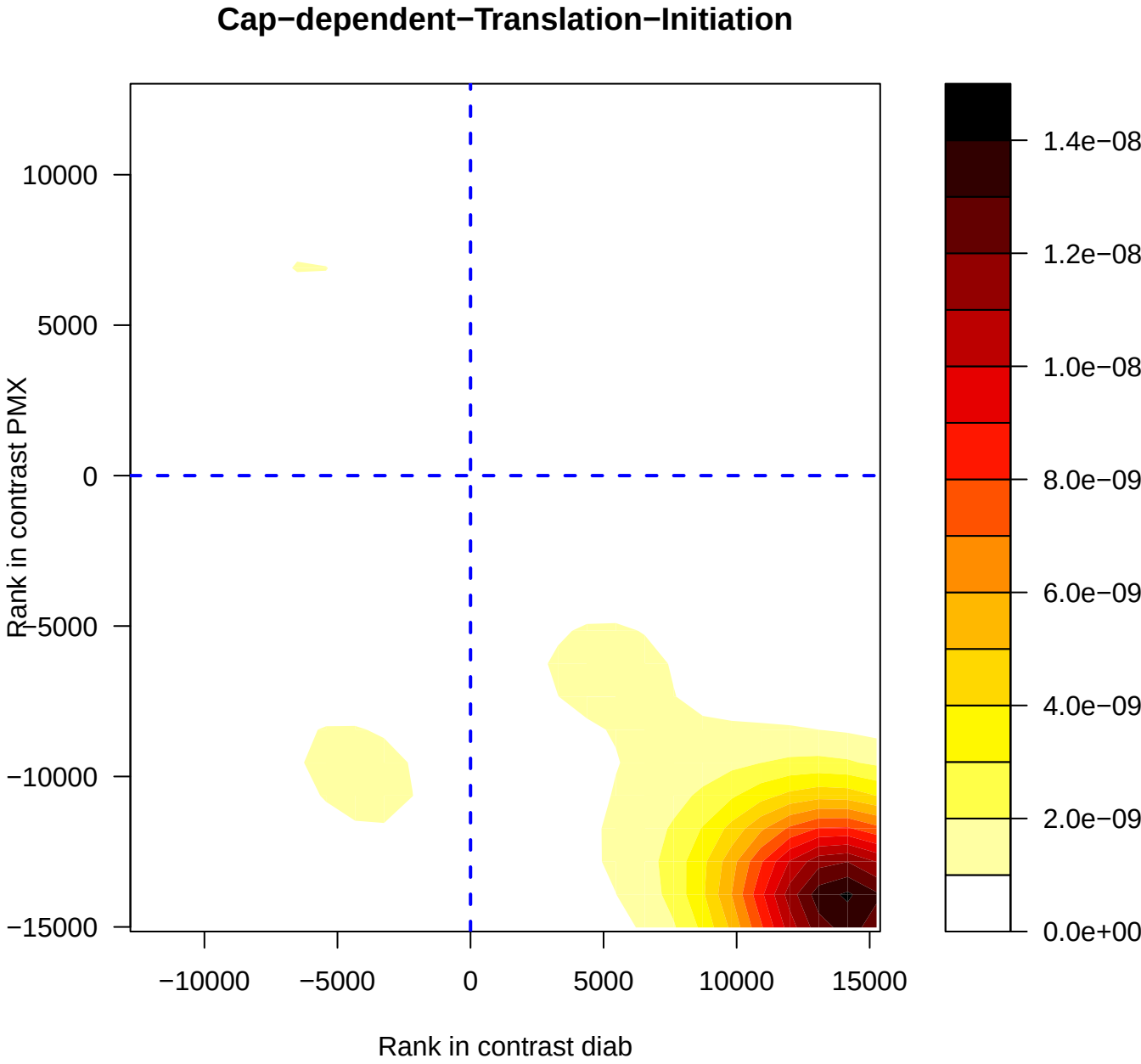

L13a−mediated−translational−silencing−of−Ceruloplasmin−expression
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

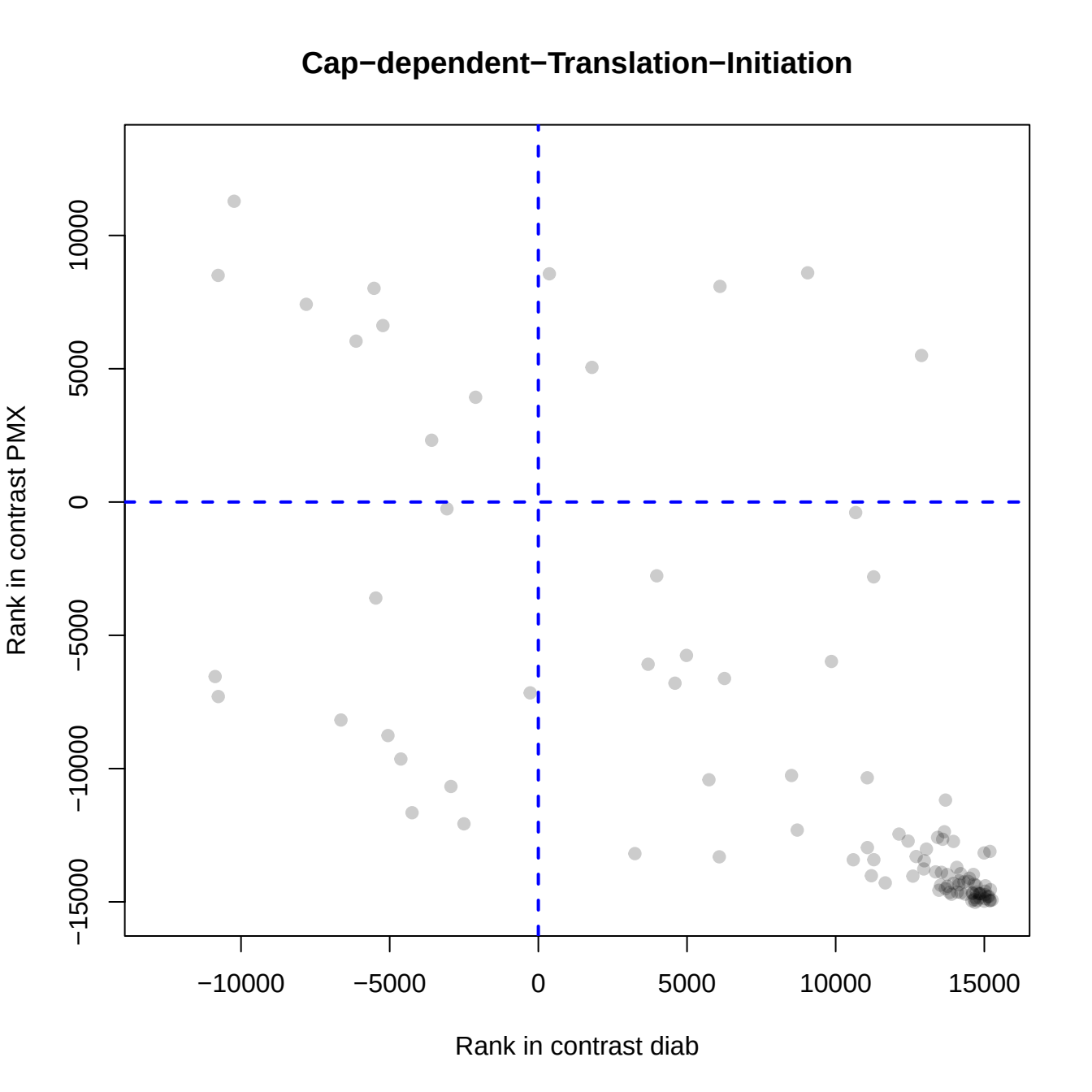

L13a−mediated−translational−silencing−of−Ceru
10000
0
−10000
Position in rank
diab
PMX
Var2

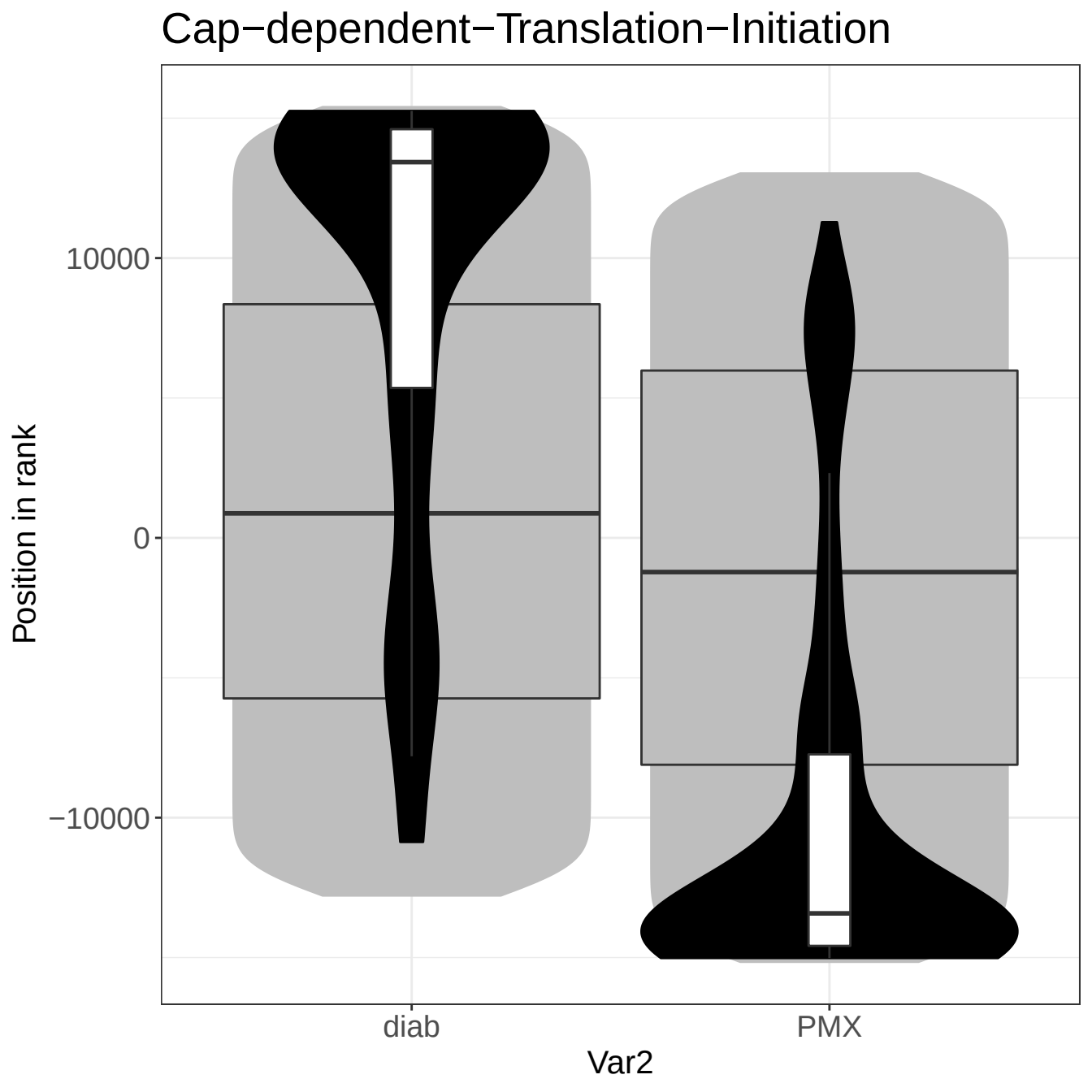

Cellular−response−to−starvation
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

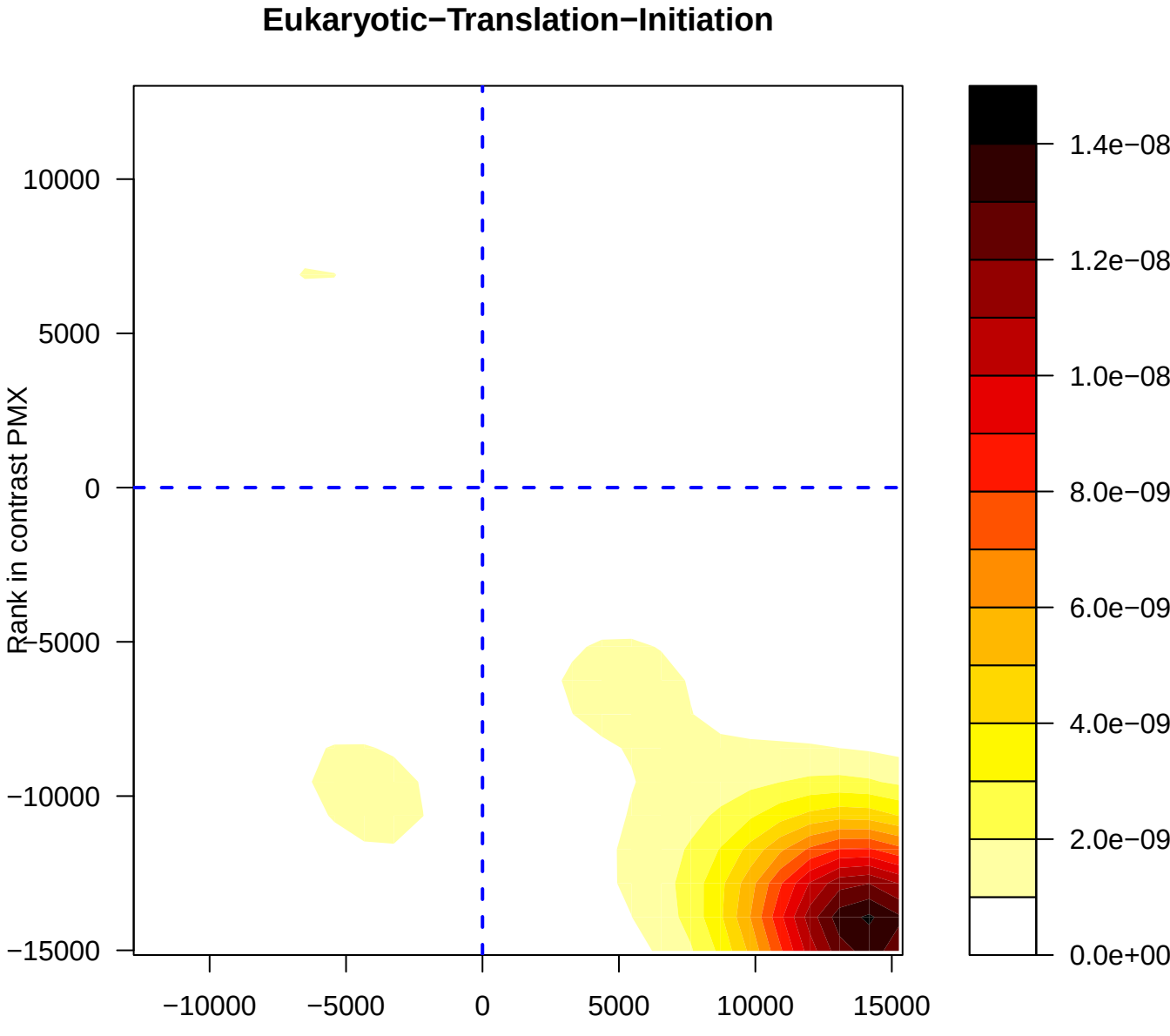

Cellular−response−to−starvation
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

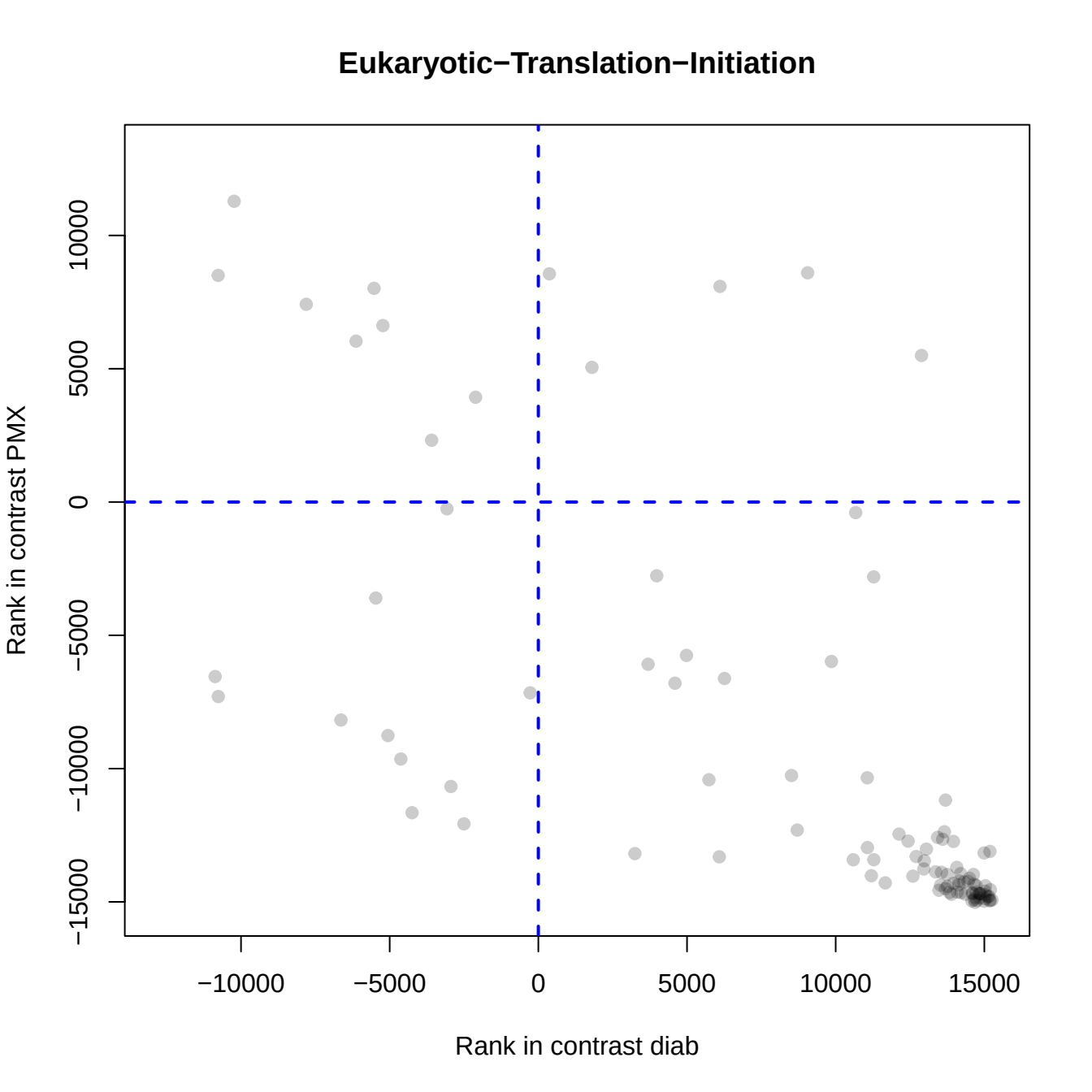

Cellular−response−to−starvation
10000
0
−10000
Position in rank
diab
PMX
Var2

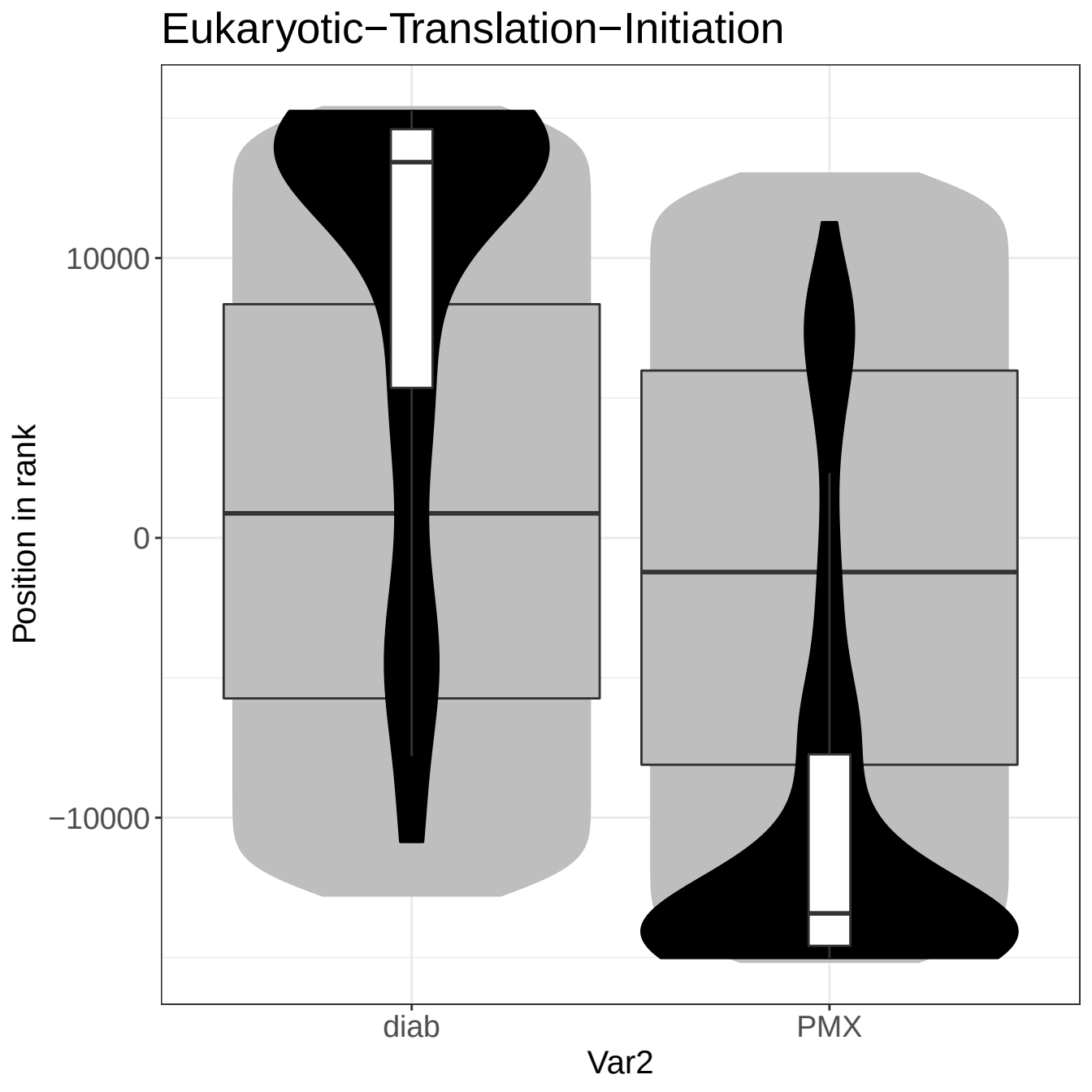

Cap−dependent−Translation−Initiation
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1.4e−08
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

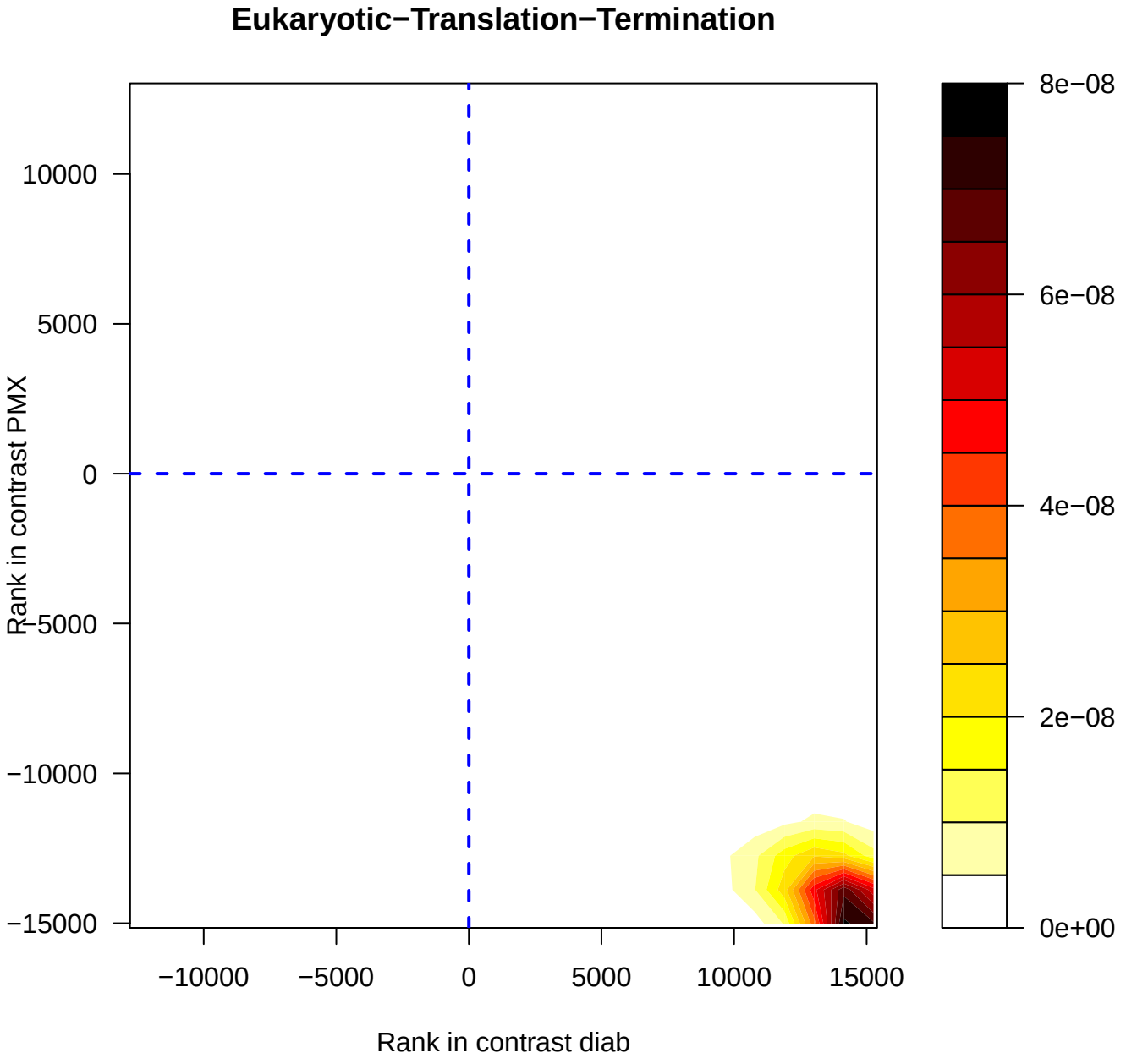

Cap−dependent−Translation−Initiation
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

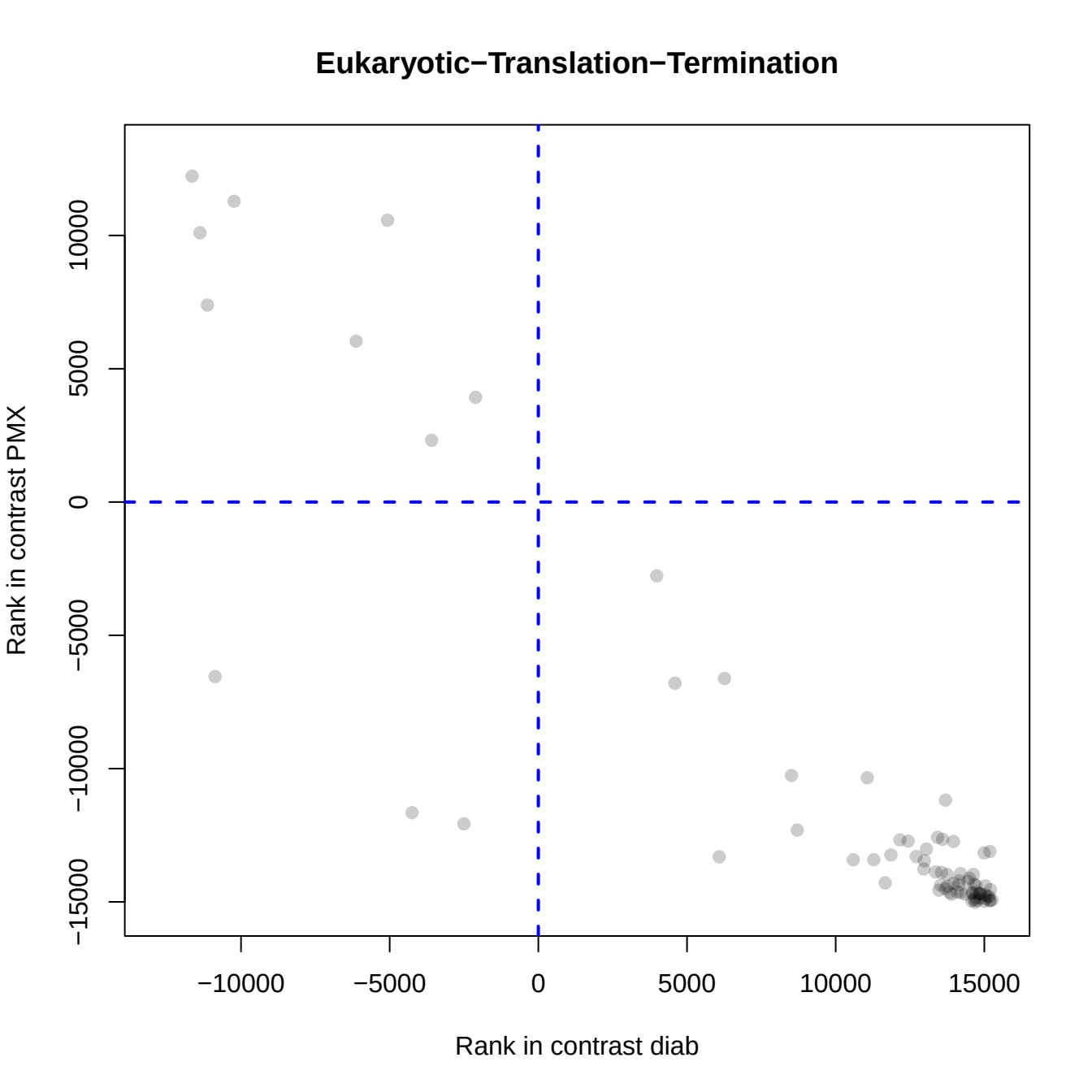

Cap−dependent−Translation−Initiation
10000
0
−10000
Position in rank
diab
PMX
Var2

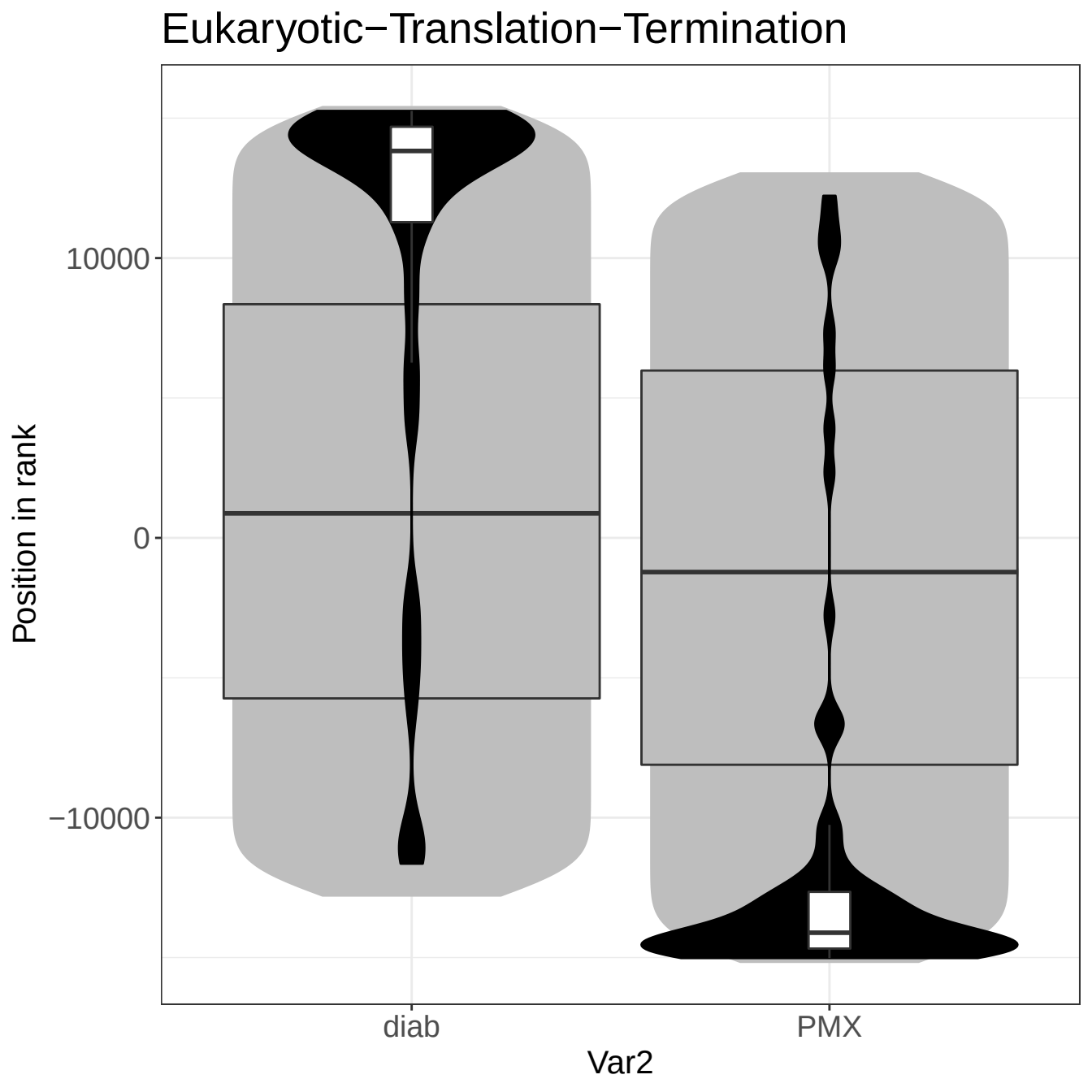

Eukaryotic−Translation−Initiation
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1.4e−08
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

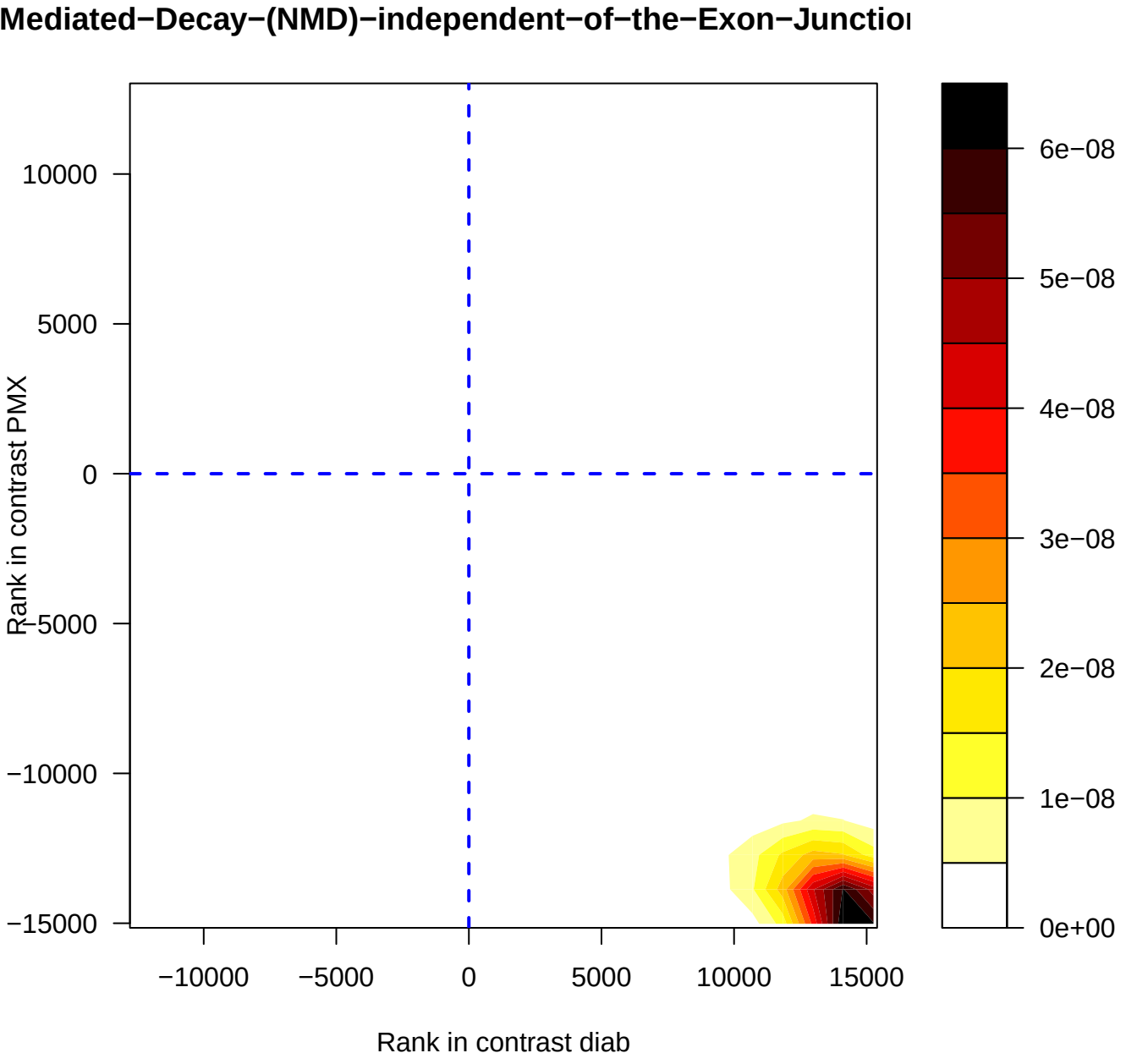

Eukaryotic−Translation−Initiation
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

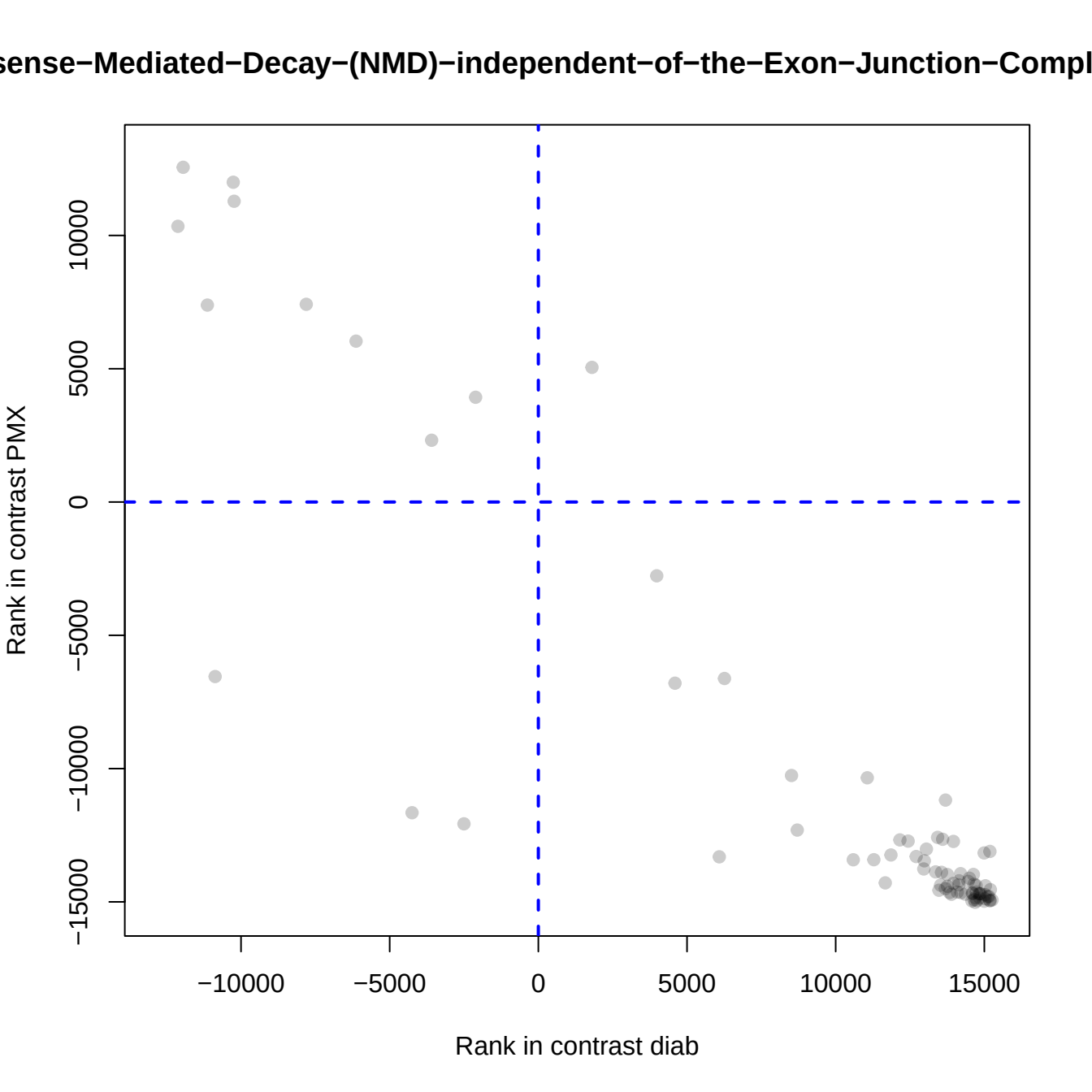

Eukaryotic−Translation−Initiation
10000
0
−10000
Position in rank
diab
PMX
Var2

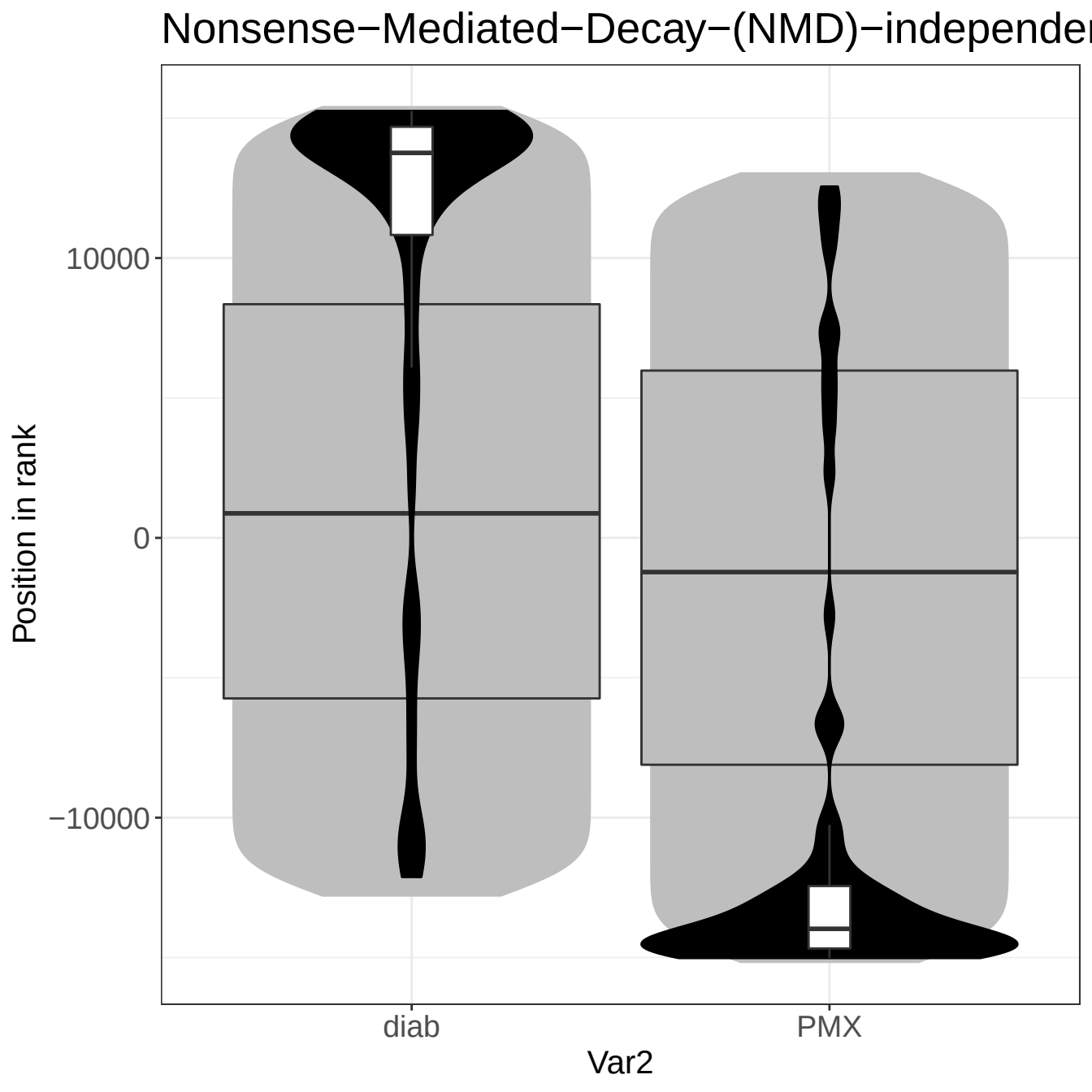

Eukaryotic−Translation−Termination
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
8e−08
6e−08
4e−08
2e−08
0e+00

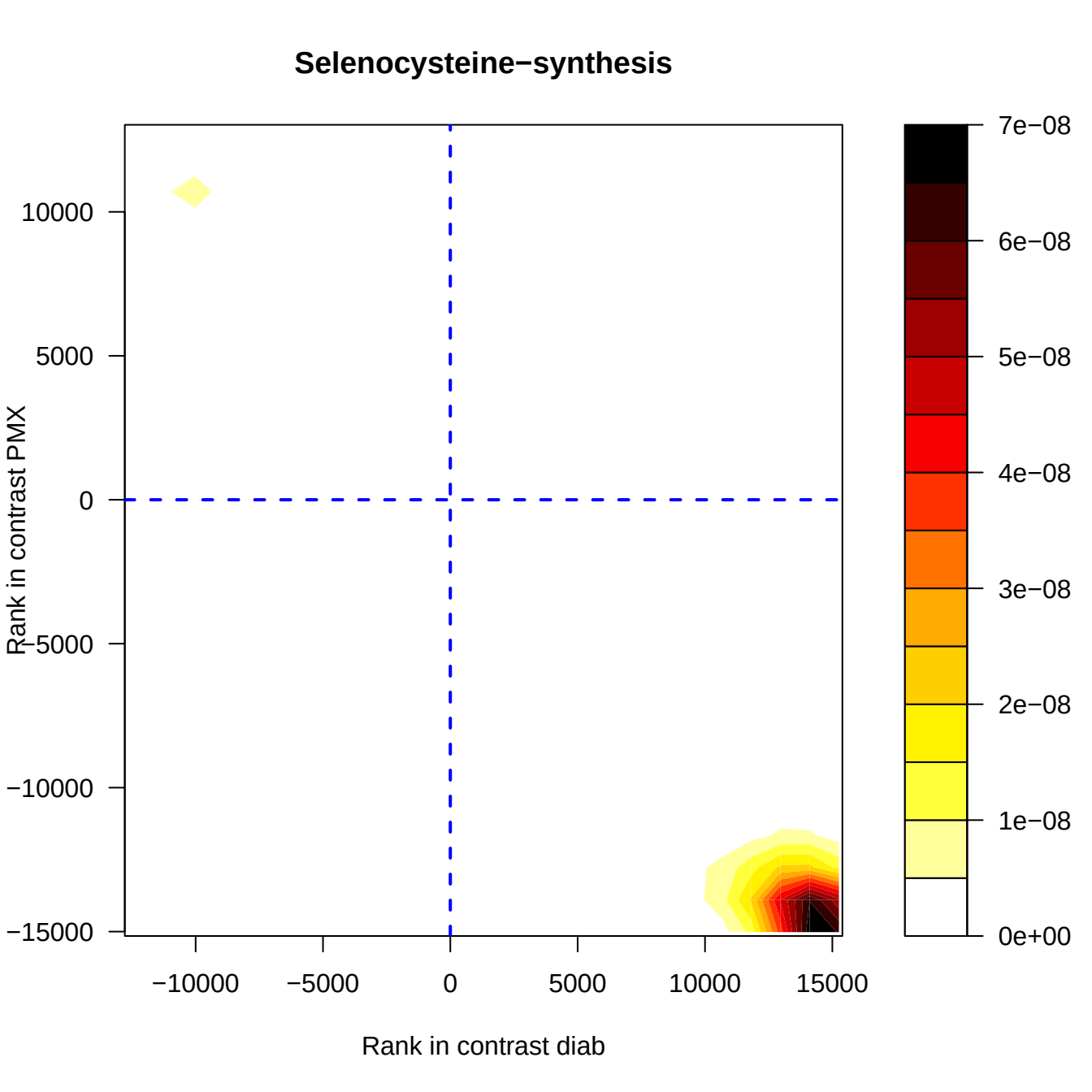

Eukaryotic−Translation−Termination
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

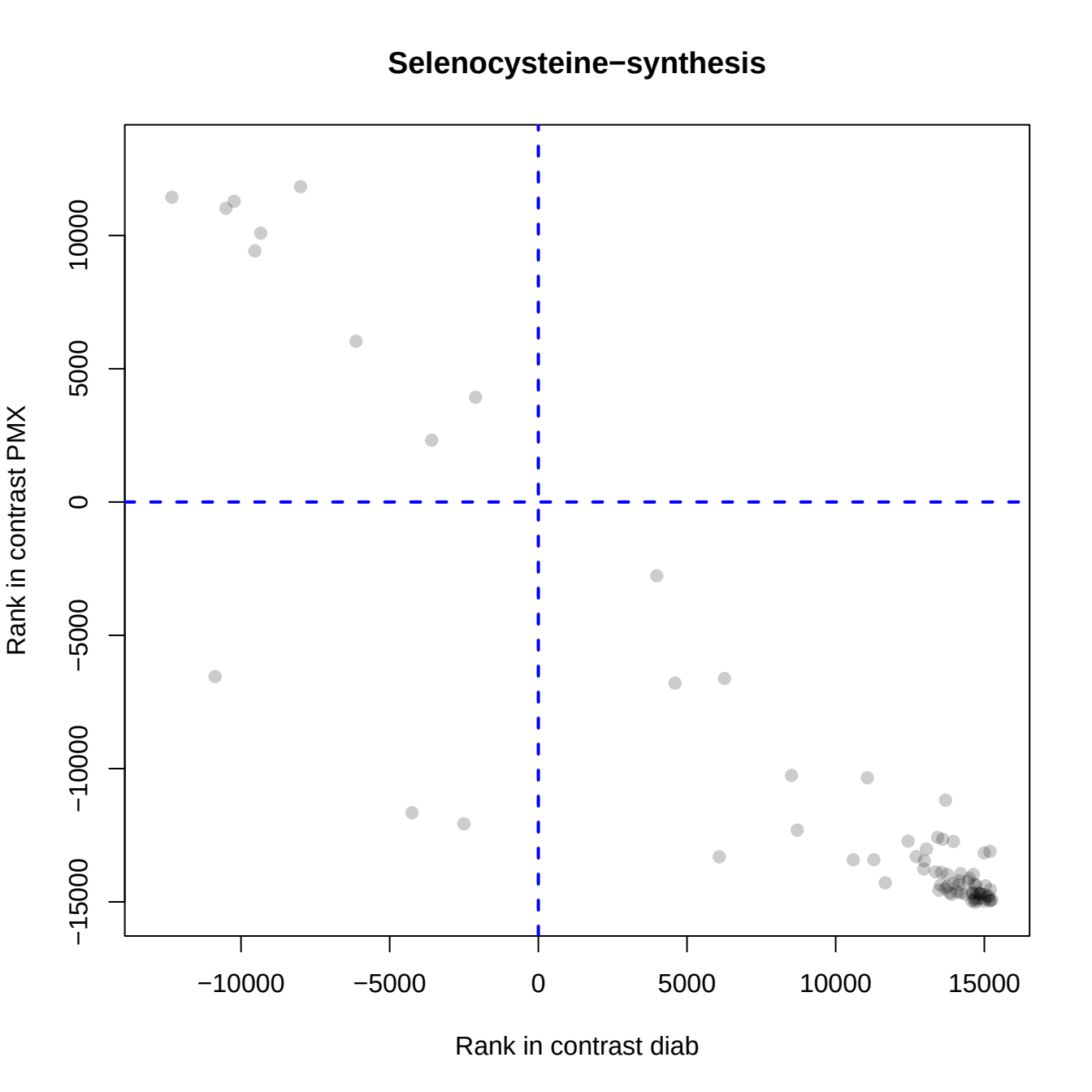

Eukaryotic−Translation−Termination
10000
0
−10000
Position in rank
diab
PMX
Var2

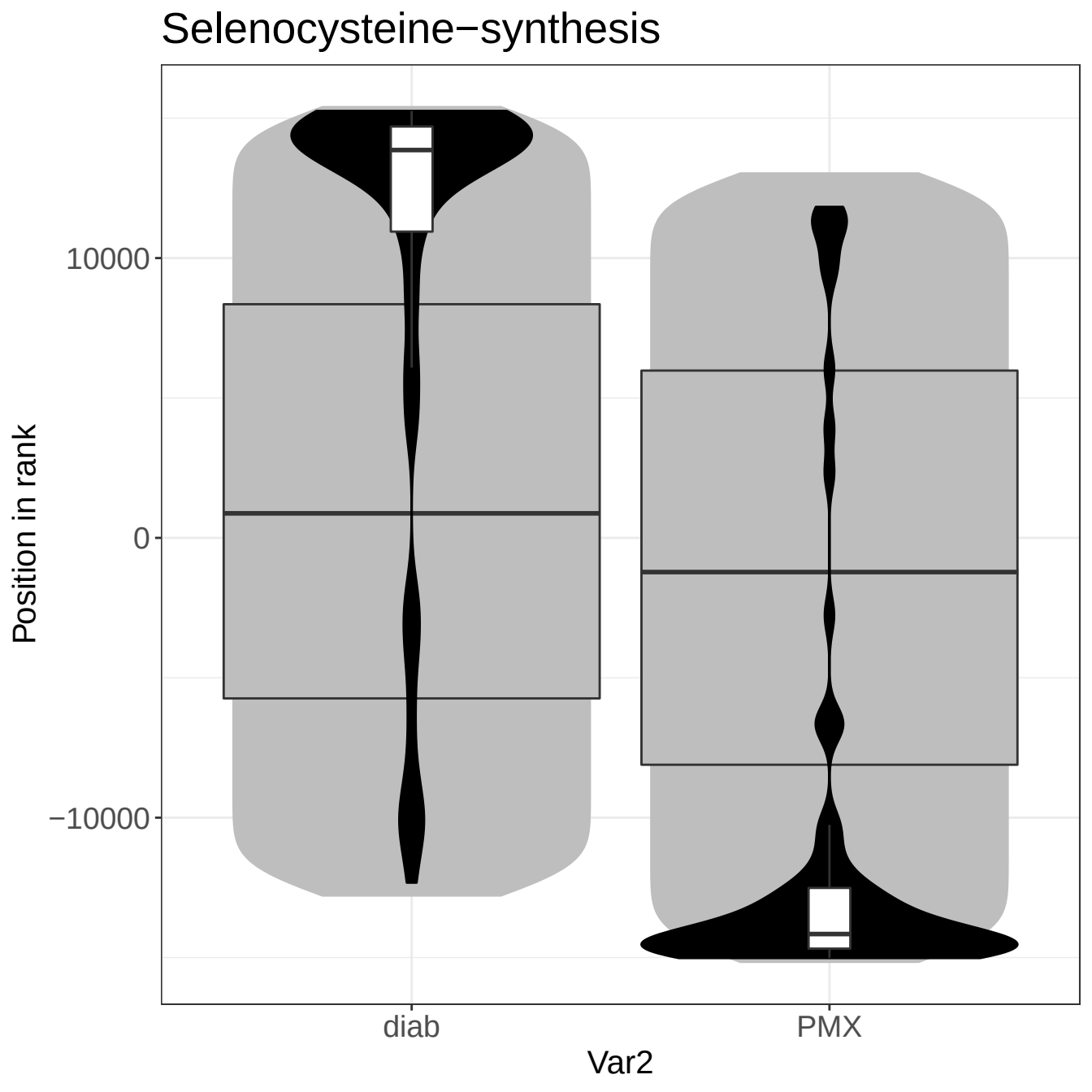

Mediated−Decay−(NMD)−independent−of−the−Exon−Junctio
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
6e−08
5e−08
4e−08
3e−08
2e−08
1e−08
0e+00

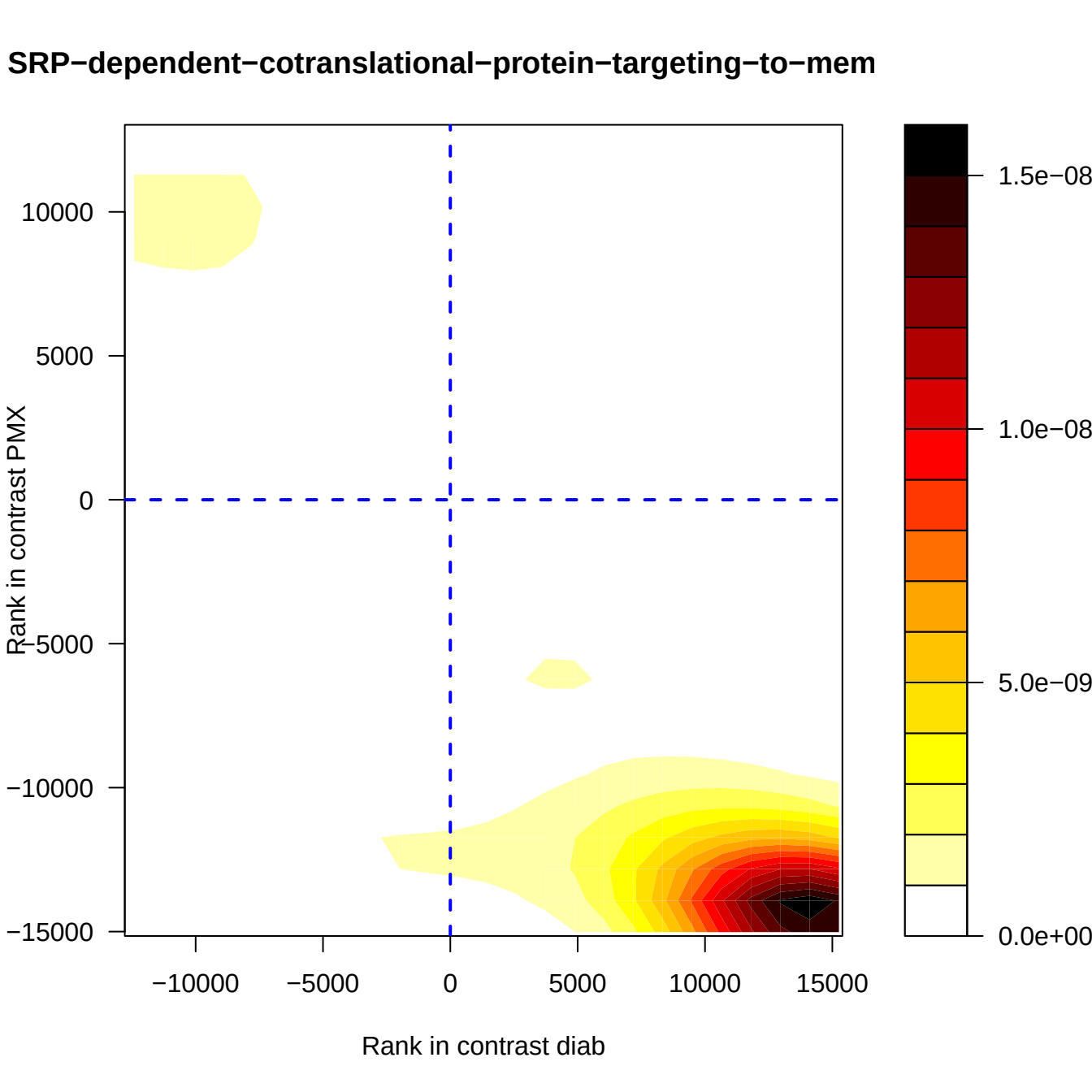

sense−Mediated−Decay−(NMD)−independent−of−the−Exon−Junction−Compl
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

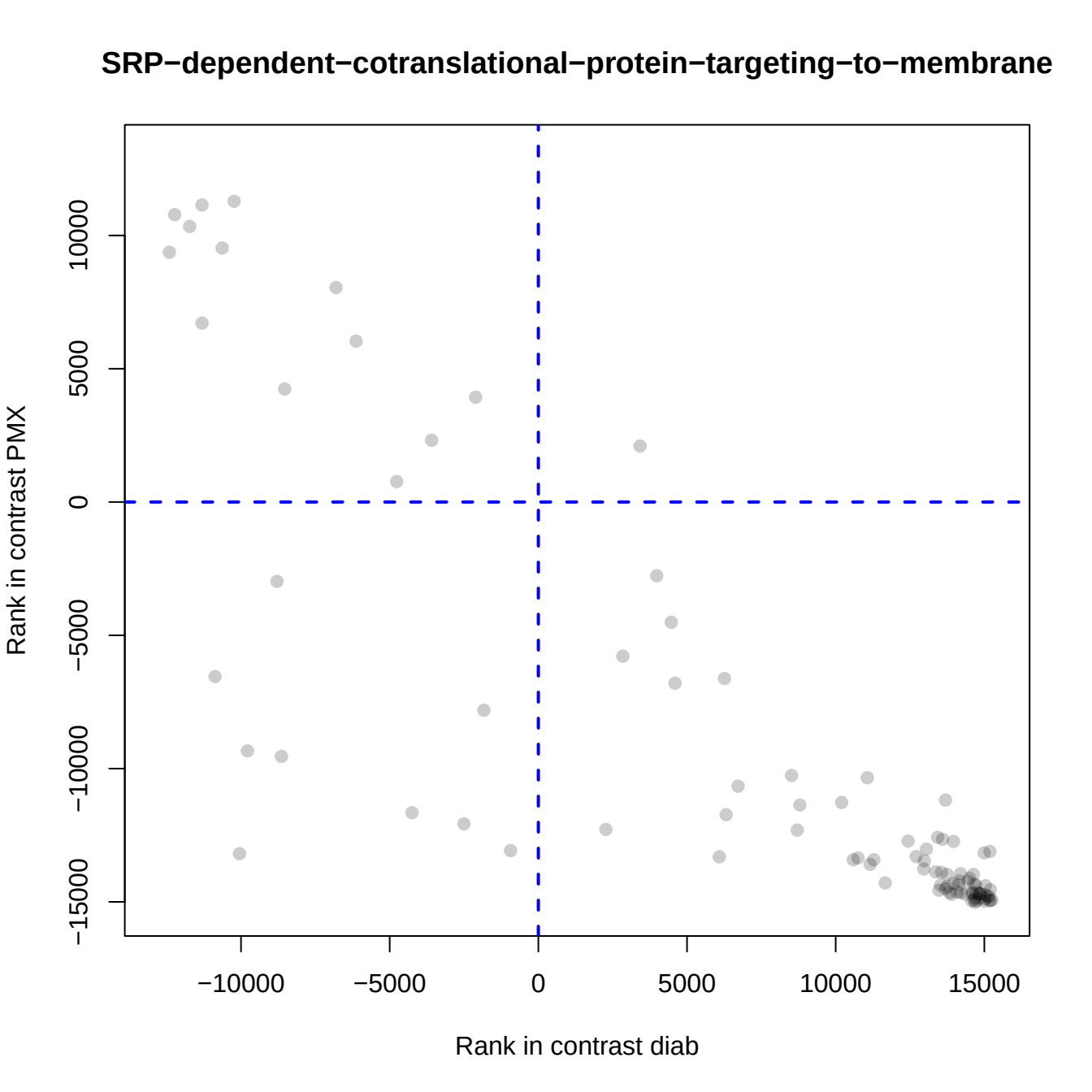

Nonsense−Mediated−Decay−(NMD)−independen
10000
0
−10000
Position in rank
diab
PMX
Var2

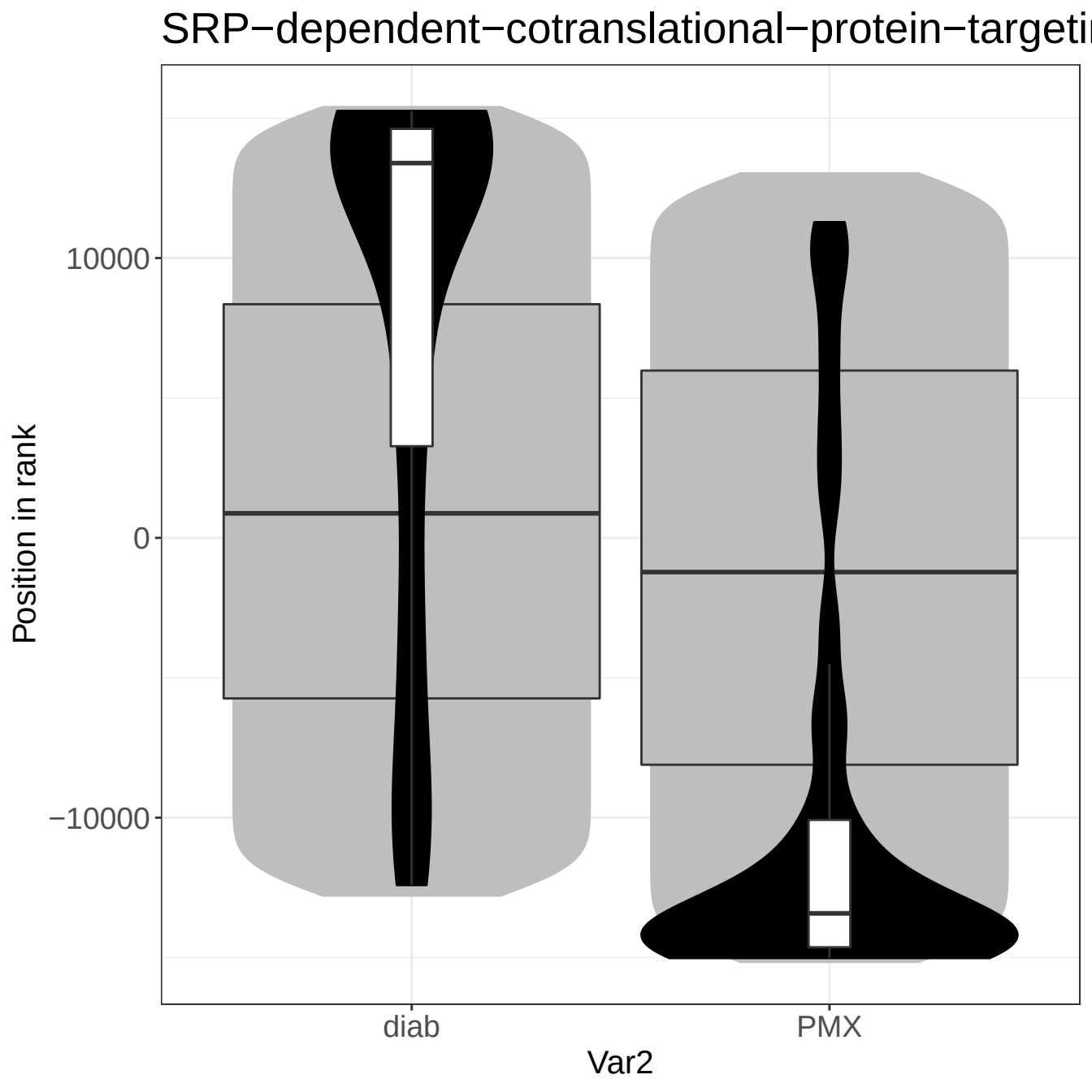

Selenocysteine−synthesis
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
7e−08
6e−08
5e−08
4e−08
3e−08
2e−08
1e−08
0e+00

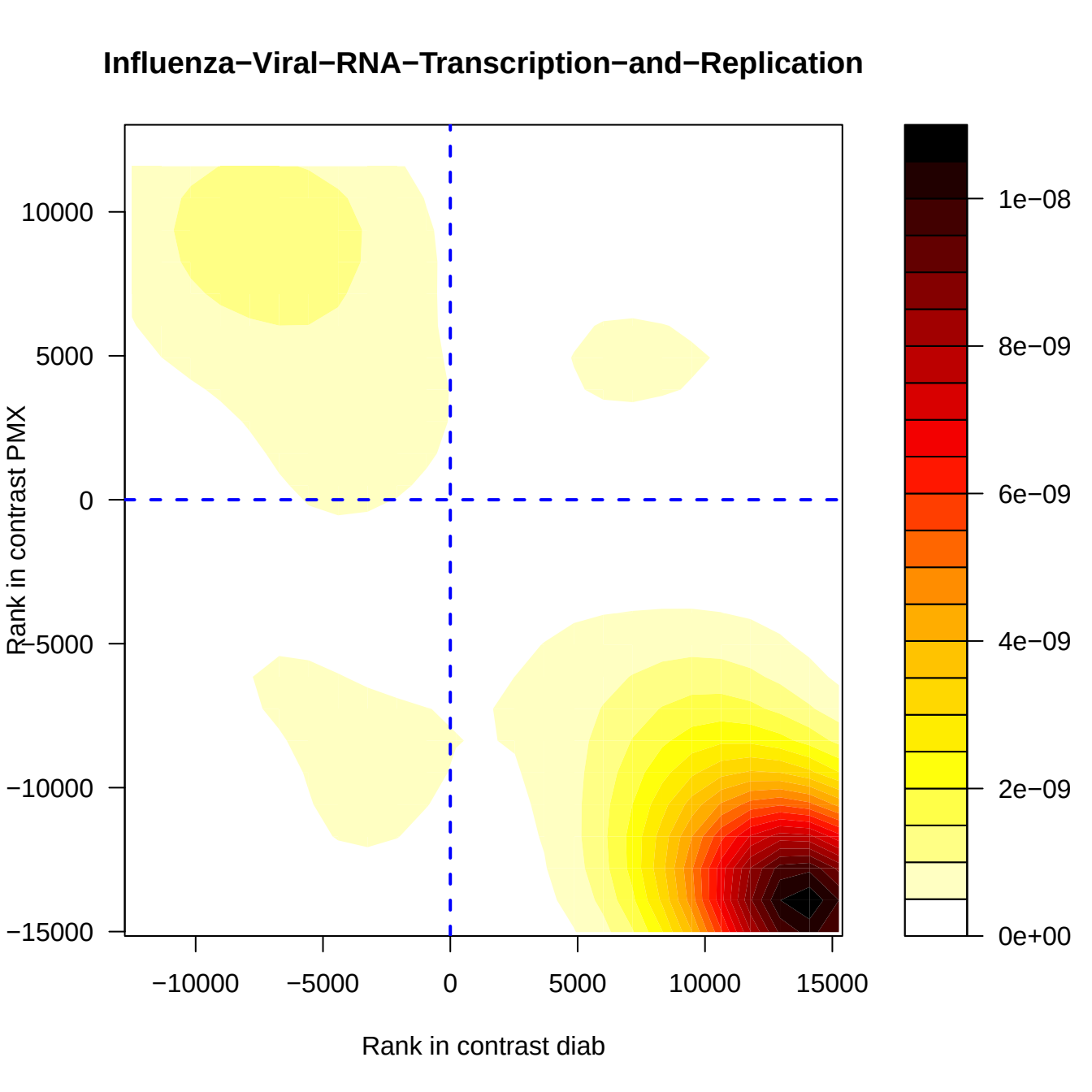

Selenocysteine−synthesis
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

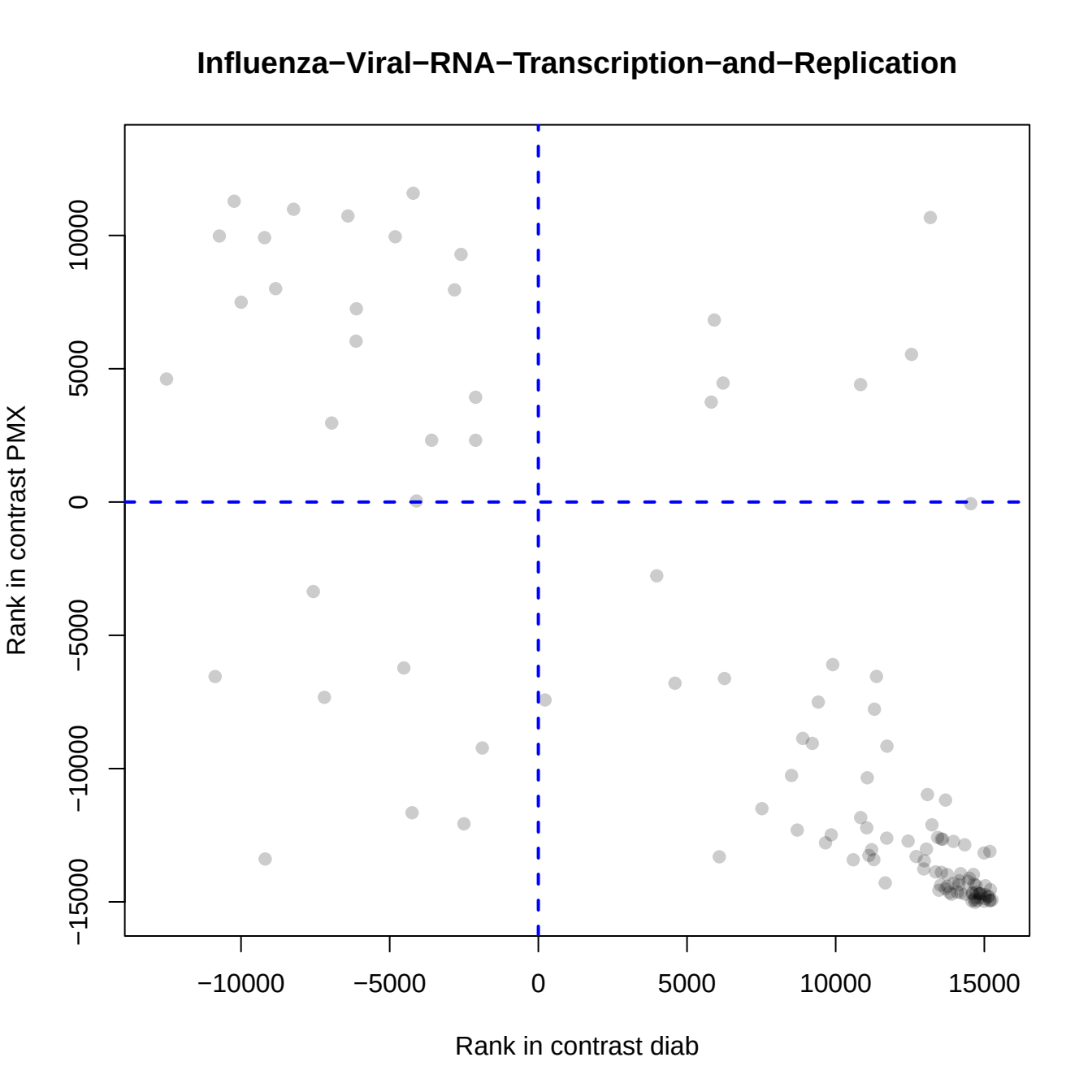

Selenocysteine−synthesis
10000
0
−10000
Position in rank
diab
PMX
Var2

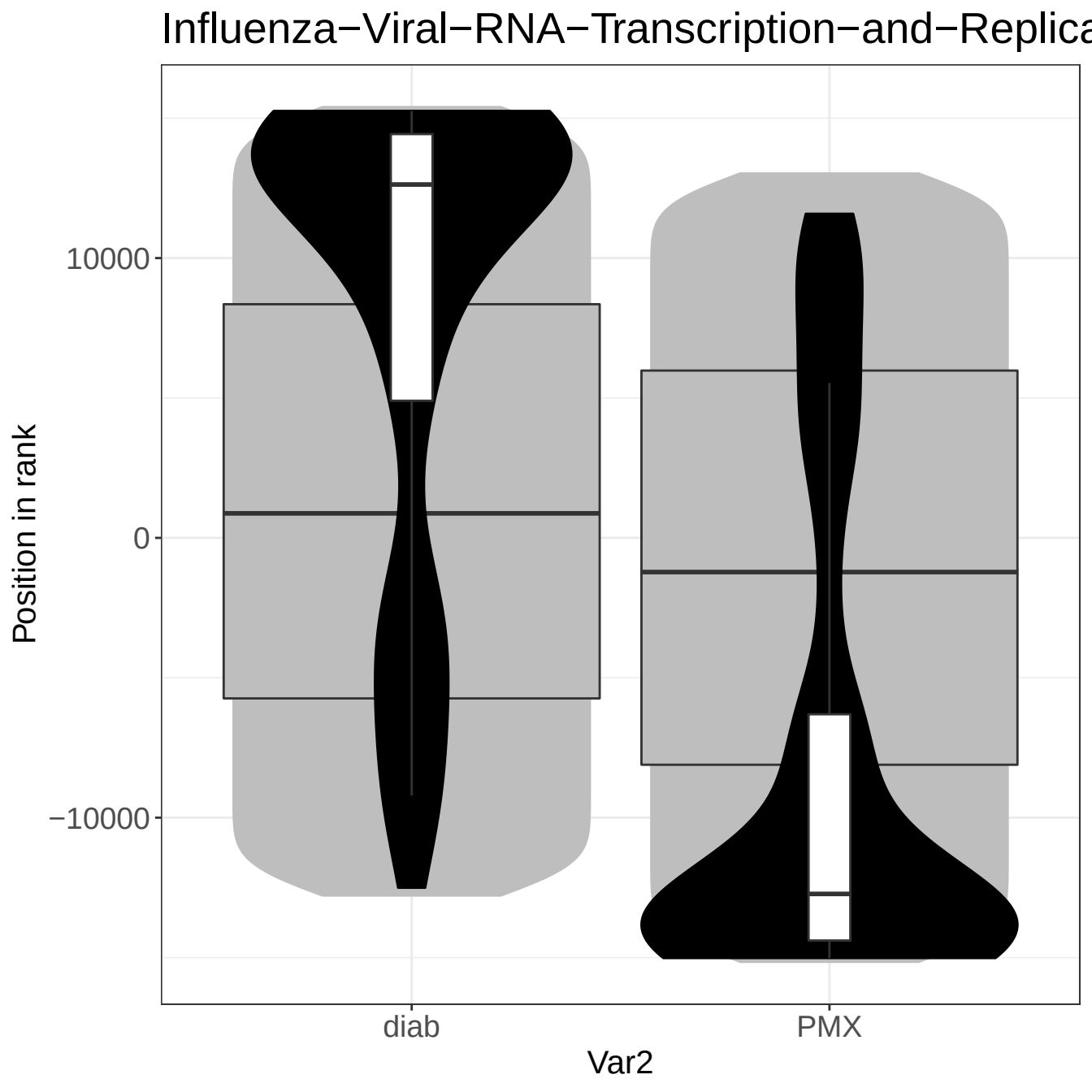

SRP−dependent−cotranslational−protein−targeting−to−mem
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1.5e−08
1.0e−08
5.0e−09
0.0e+00

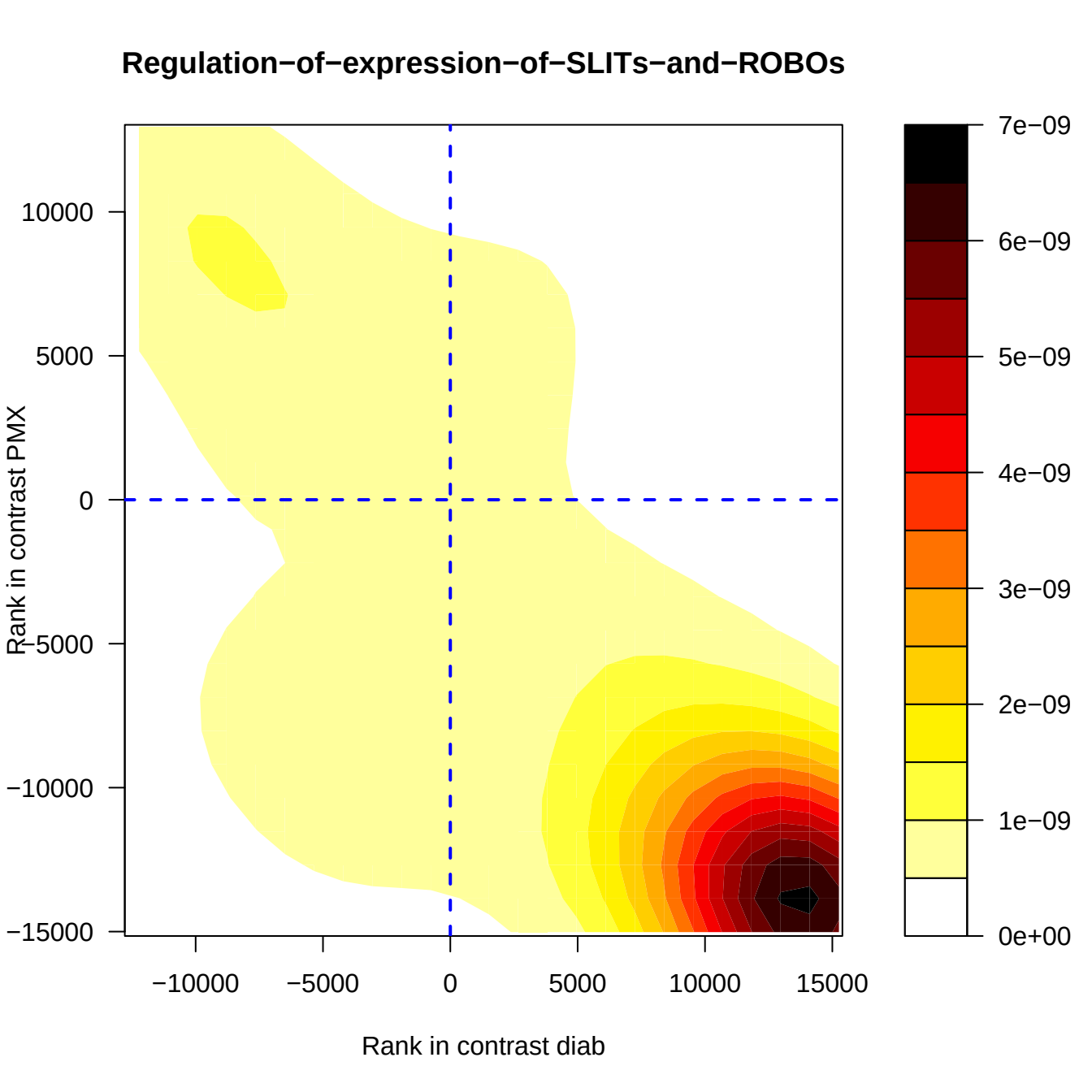

SRP−dependent−cotranslational−protein−targeting−to−membrane
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

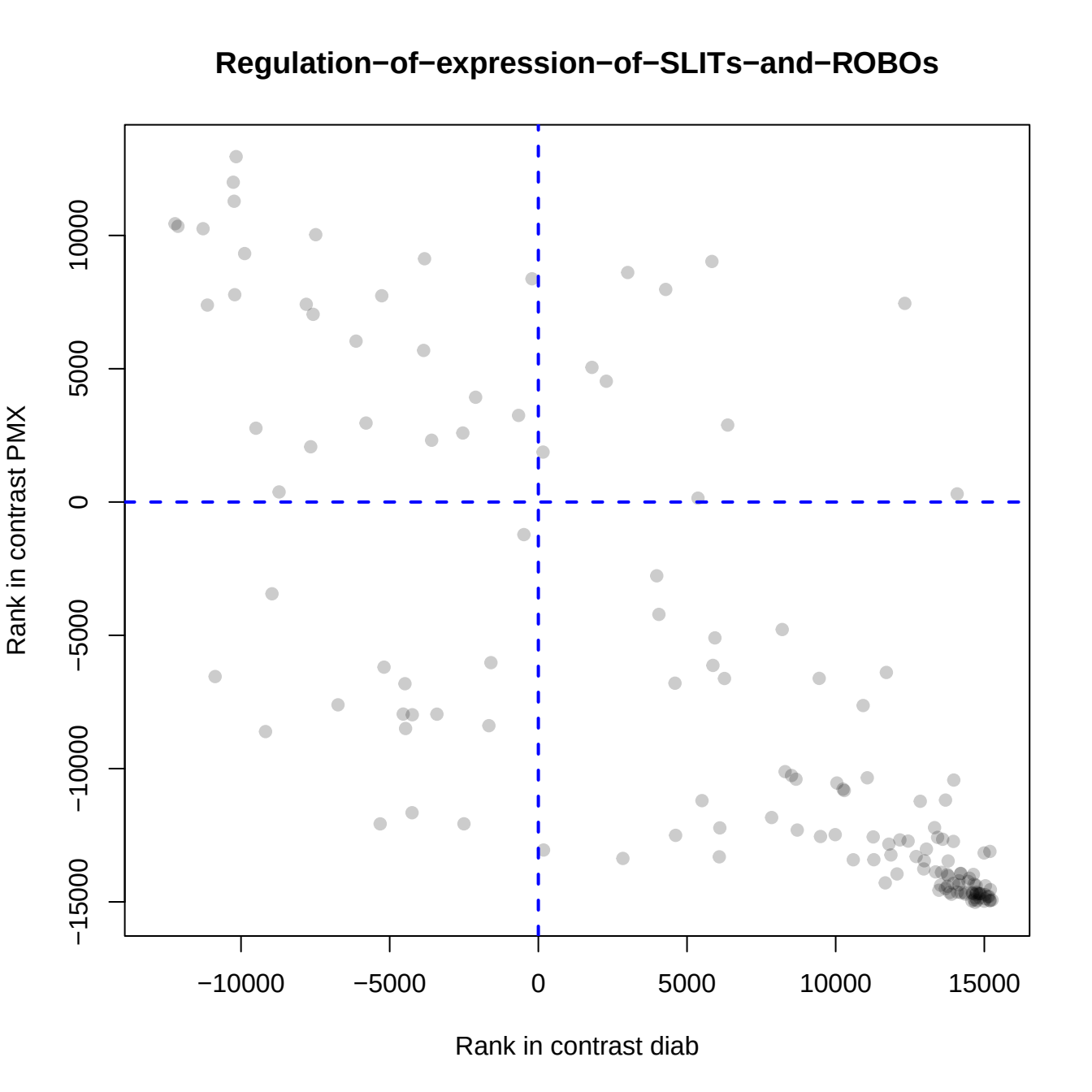

SRP−dependent−cotranslational−protein−targeti
10000
0
−10000
Position in rank
diab
PMX
Var2

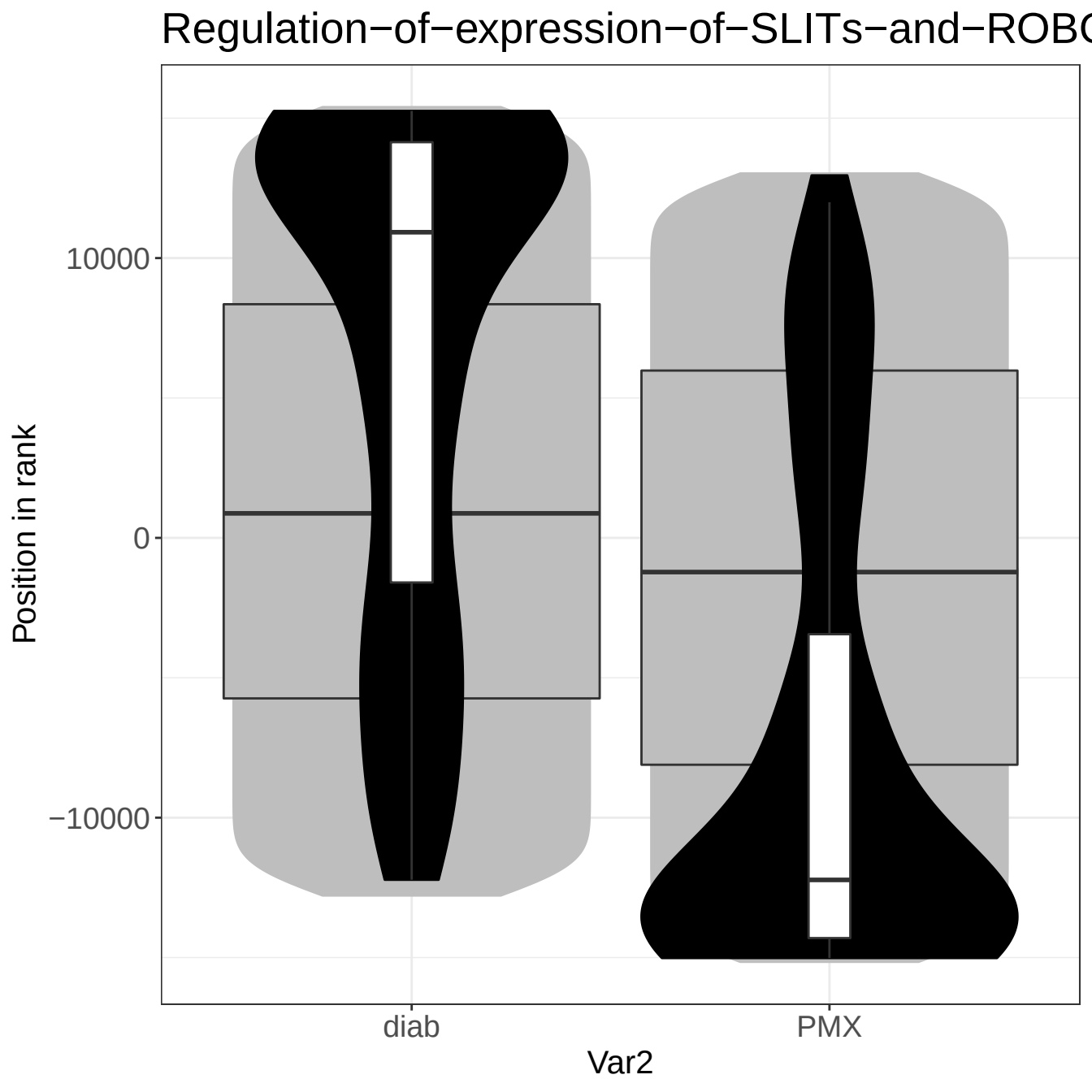

Influenza−Viral−RNA−Transcription−and−Replication
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

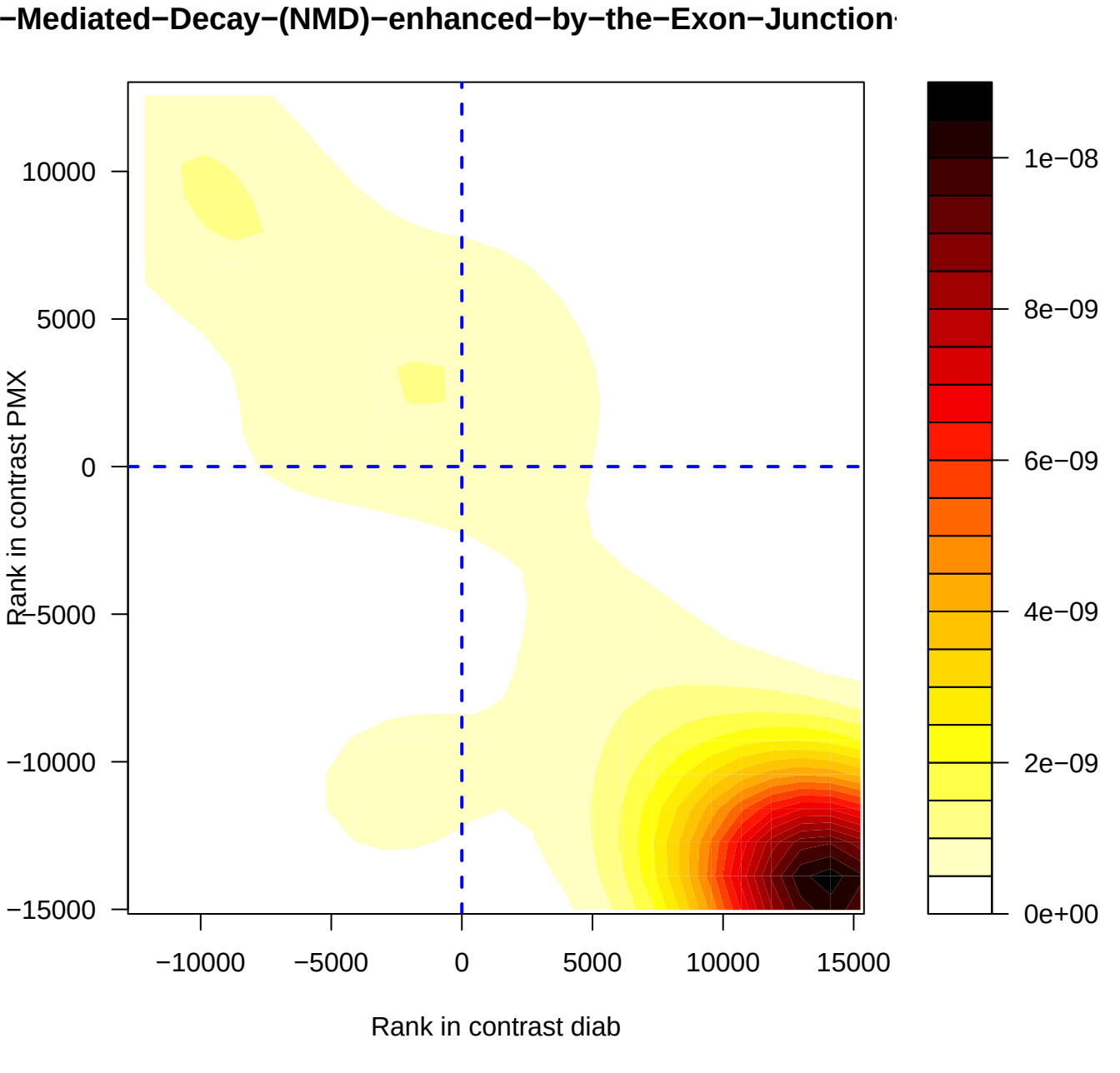

Influenza−Viral−RNA−Transcription−and−Replication
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

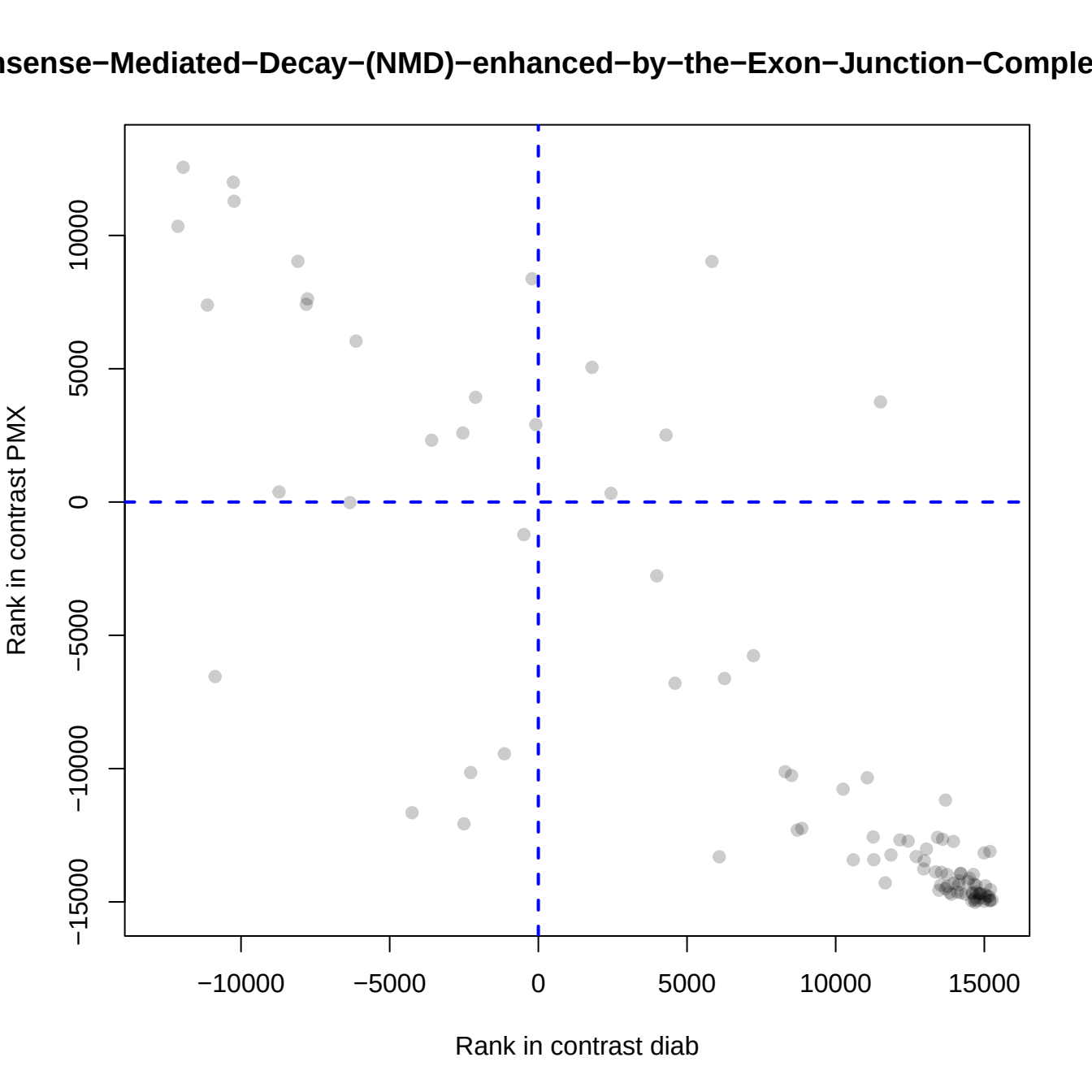

Influenza−Viral−RNA−Transcription−and−Replica
10000
0
−10000
Position in rank
diab
PMX
Var2

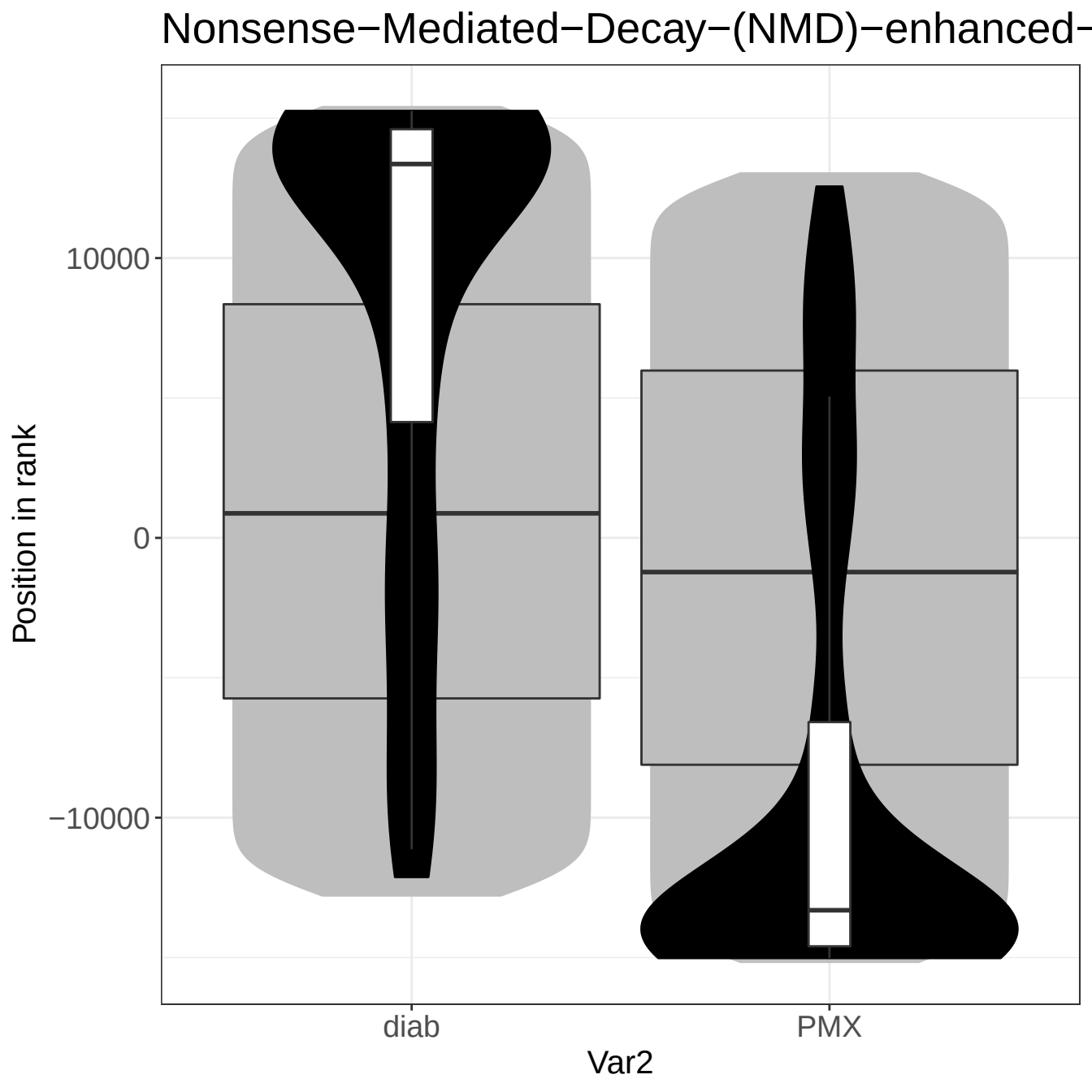

Regulation−of−expression−of−SLITs−and−ROBOs
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
7e−09
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

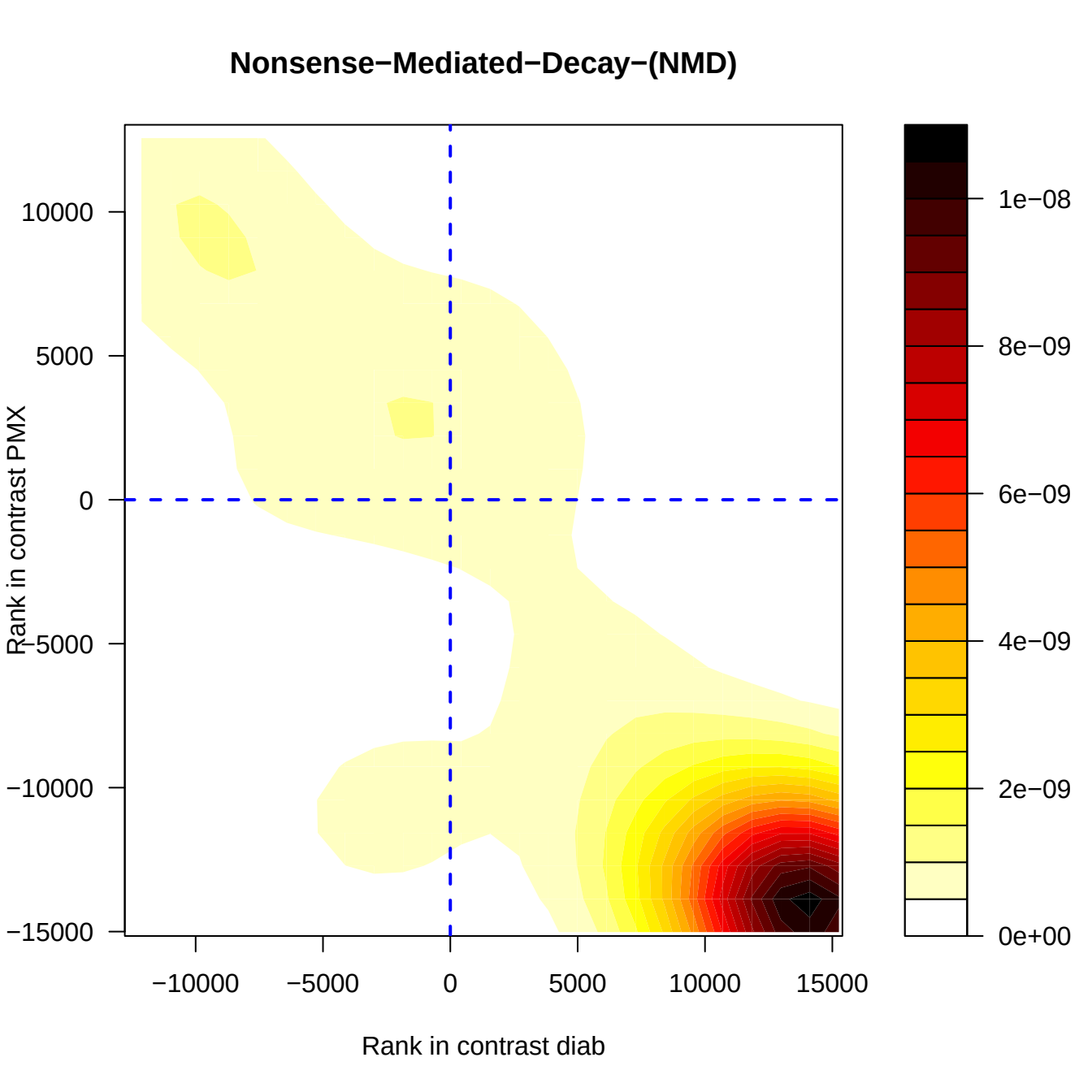

Regulation−of−expression−of−SLITs−and−ROBOs
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

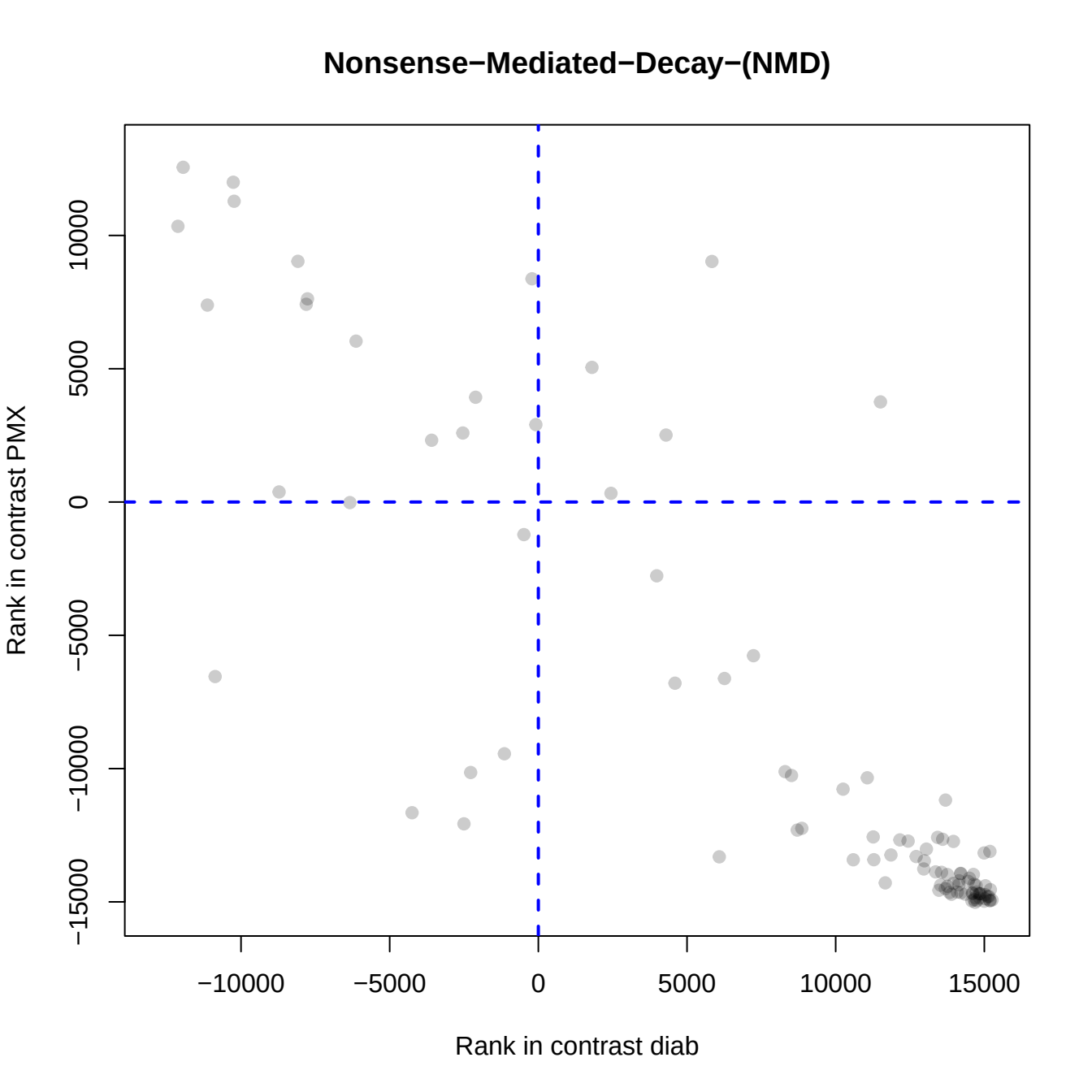

Regulation−of−expression−of−SLITs−and−ROBO
10000
0
−10000
Position in rank
diab
PMX
Var2

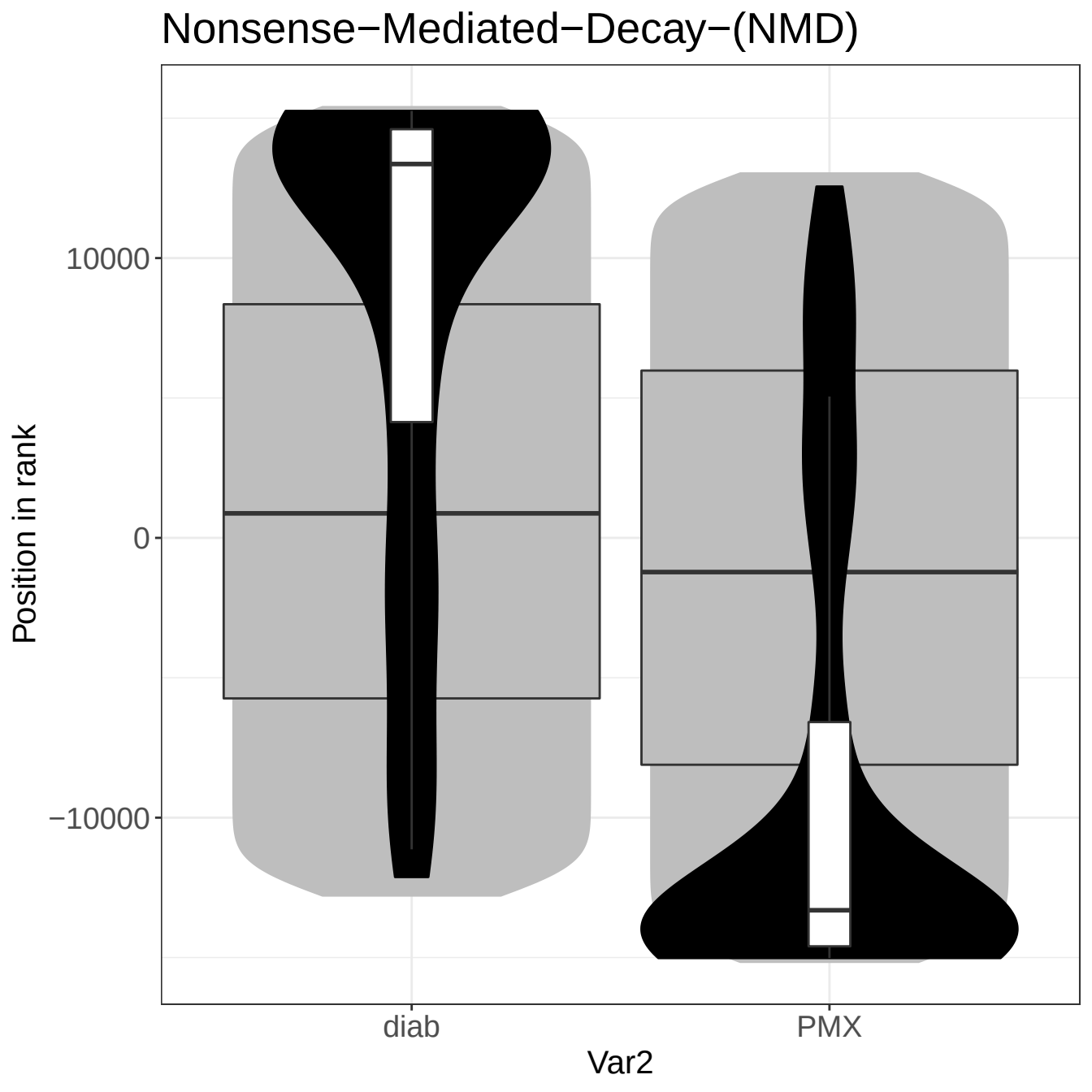

−Mediated−Decay−(NMD)−enhanced−by−the−Exon−Junction
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

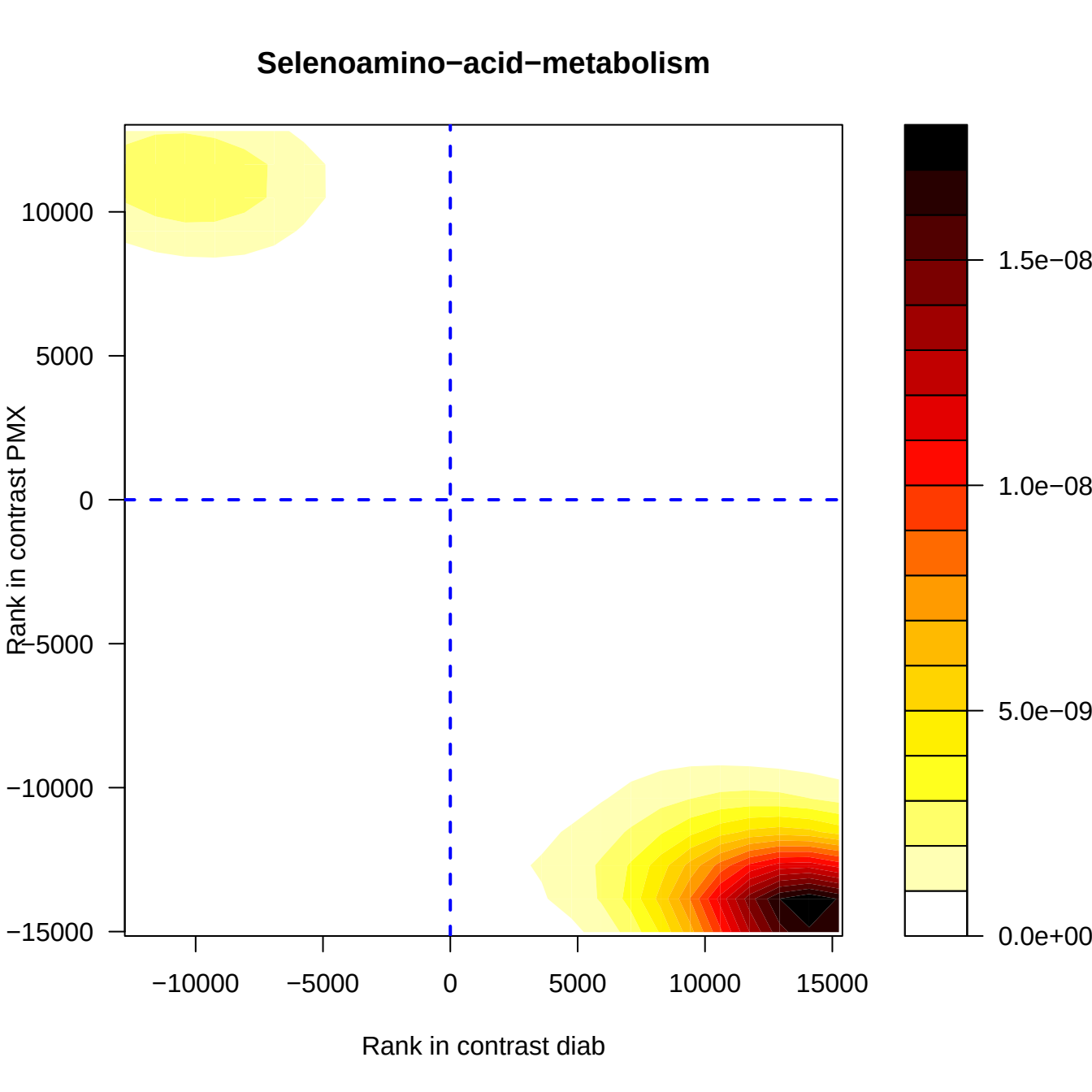

nsense−Mediated−Decay−(NMD)−enhanced−by−the−Exon−Junction−Comple
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

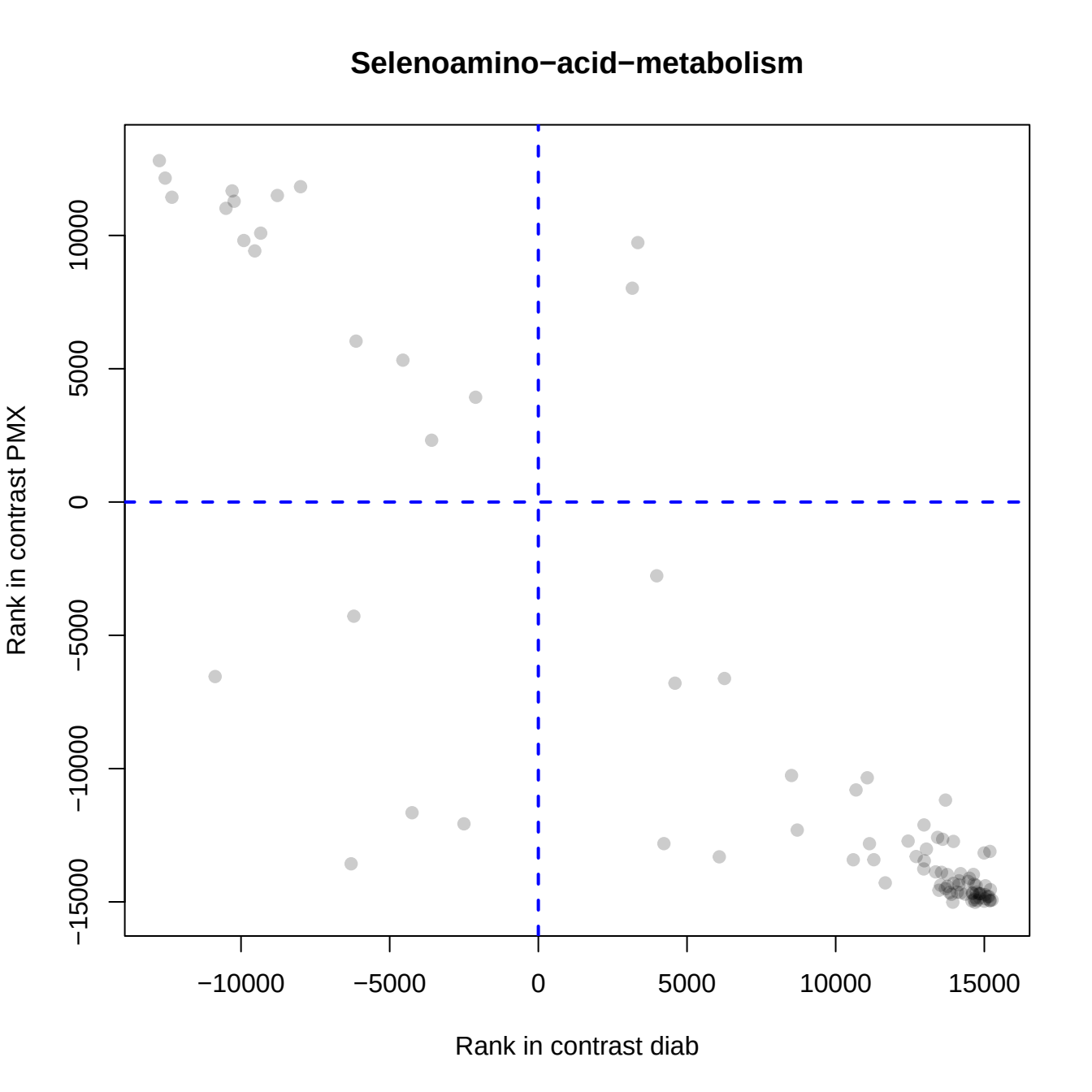

Nonsense−Mediated−Decay−(NMD)−enhanced−
10000
0
−10000
Position in rank
diab
PMX
Var2

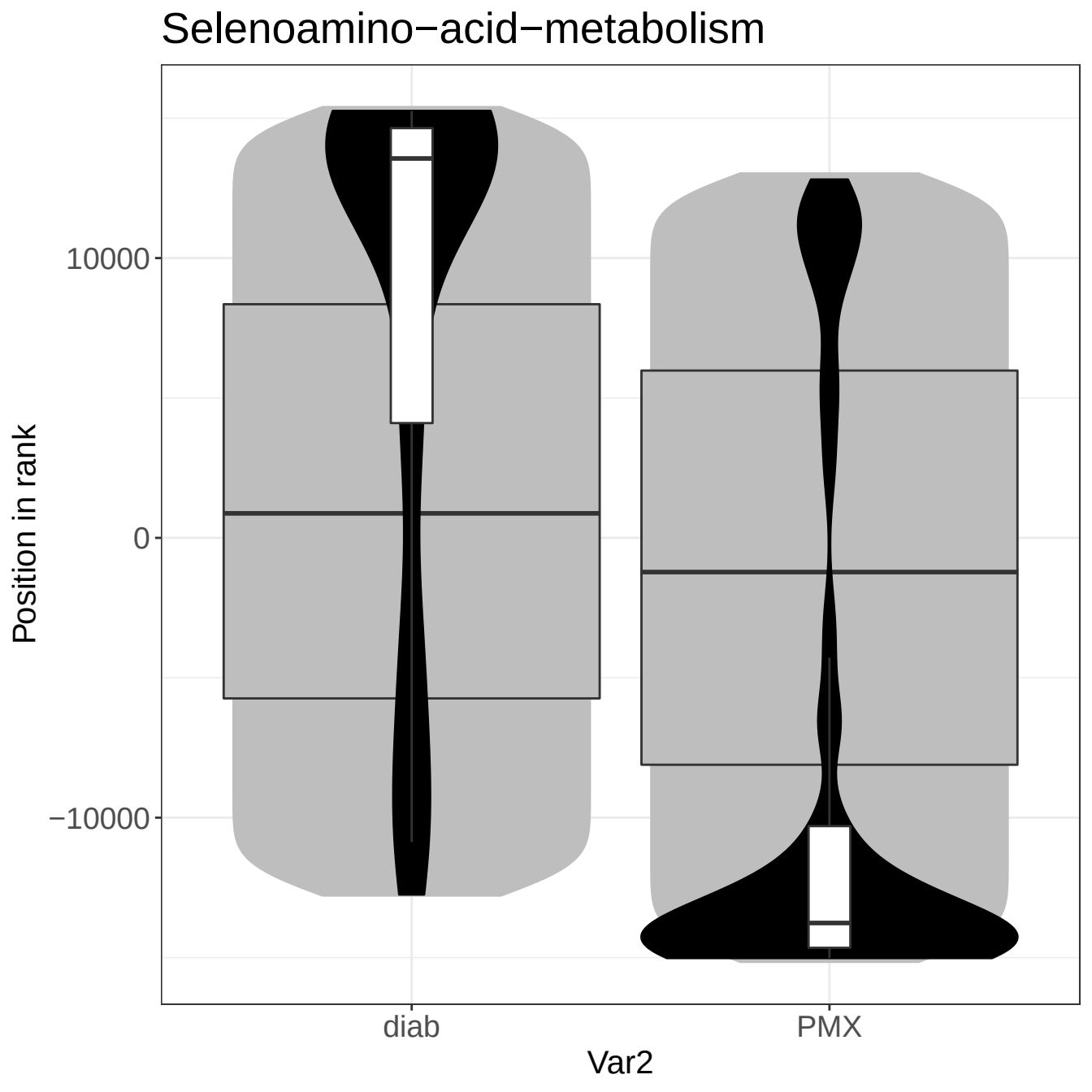

Nonsense−Mediated−Decay−(NMD)
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

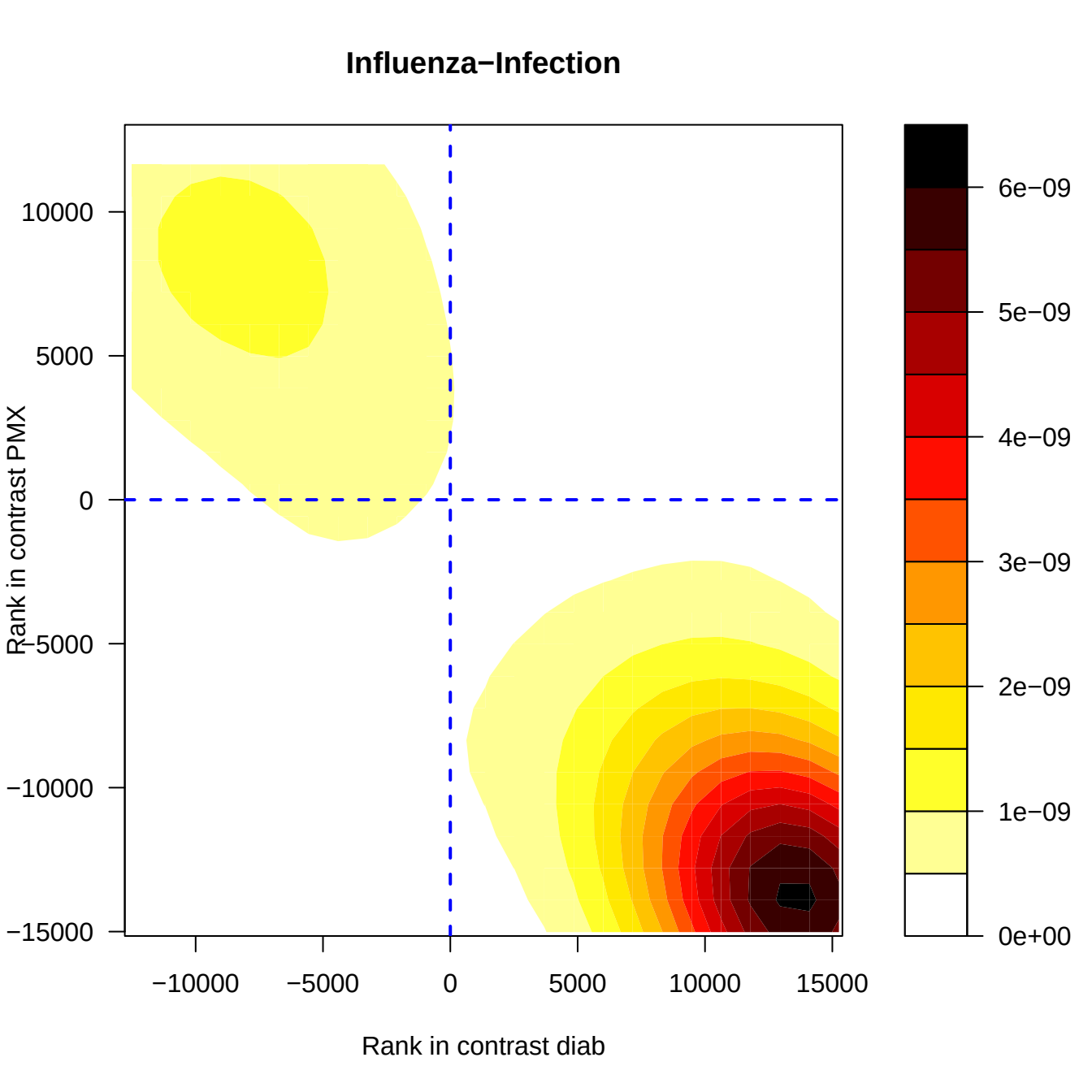

Nonsense−Mediated−Decay−(NMD)
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

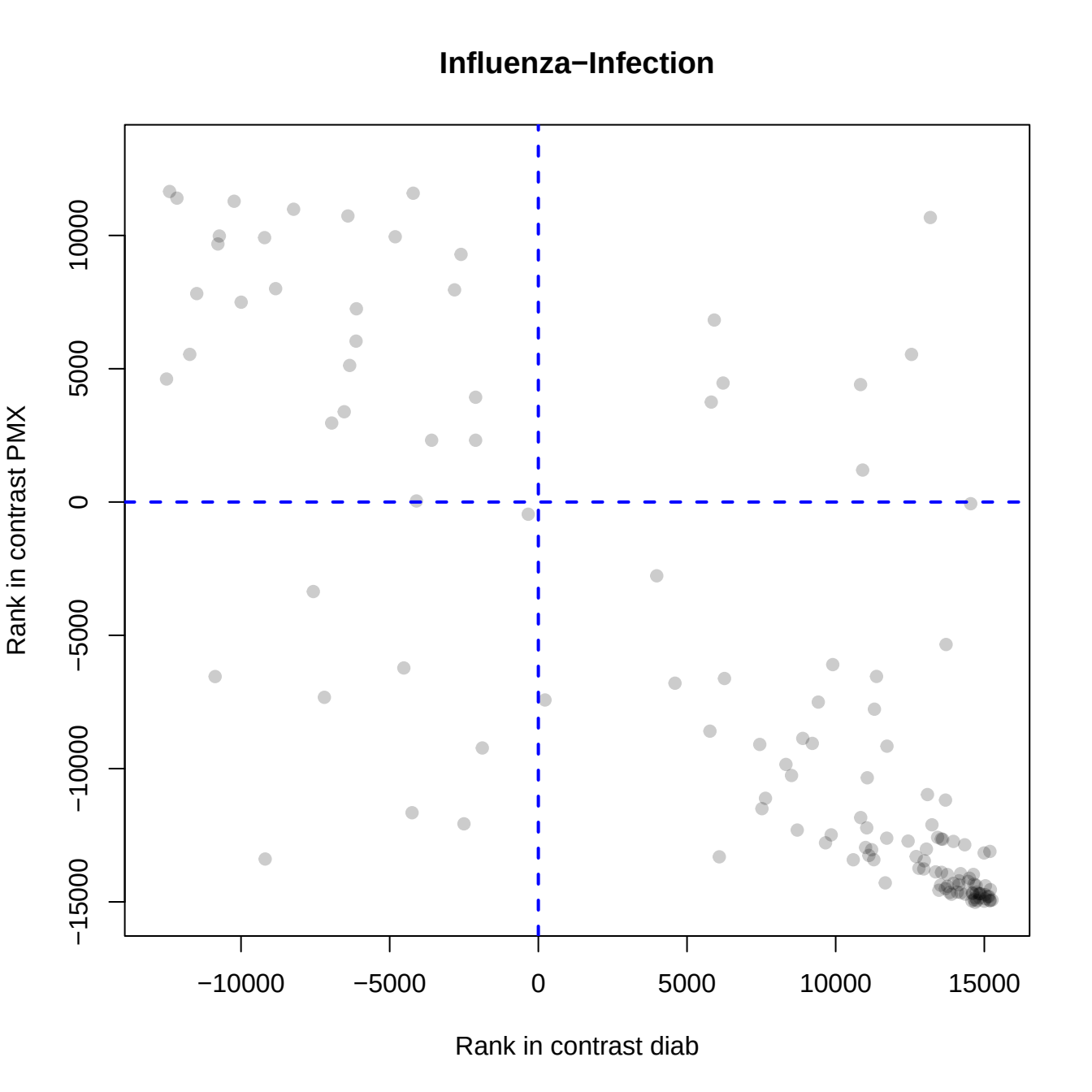

Nonsense−Mediated−Decay−(NMD)
10000
0
−10000
Position in rank
diab
PMX
Var2

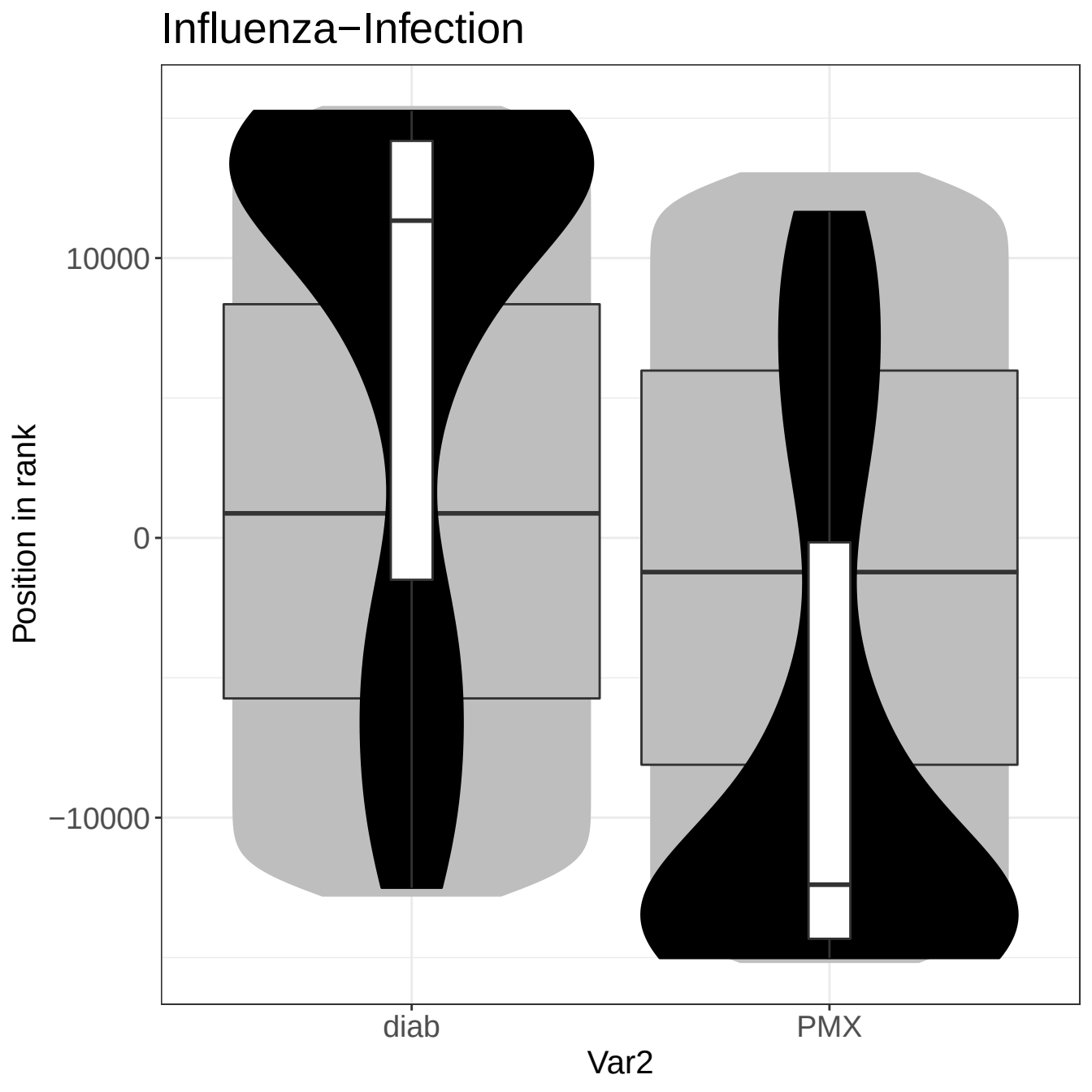

Selenoamino−acid−metabolism
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1.5e−08
1.0e−08
5.0e−09
0.0e+00

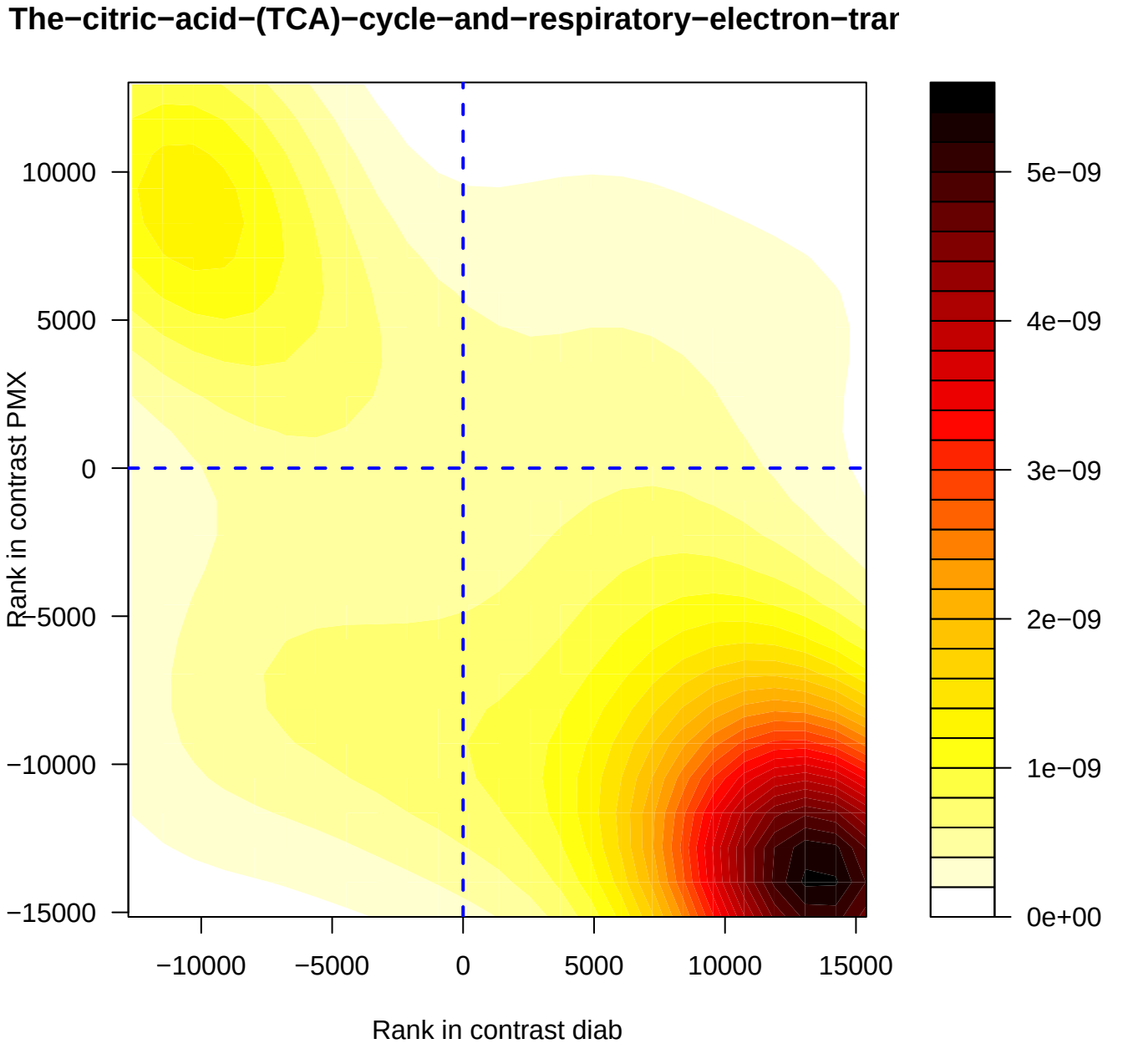

Selenoamino−acid−metabolism
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

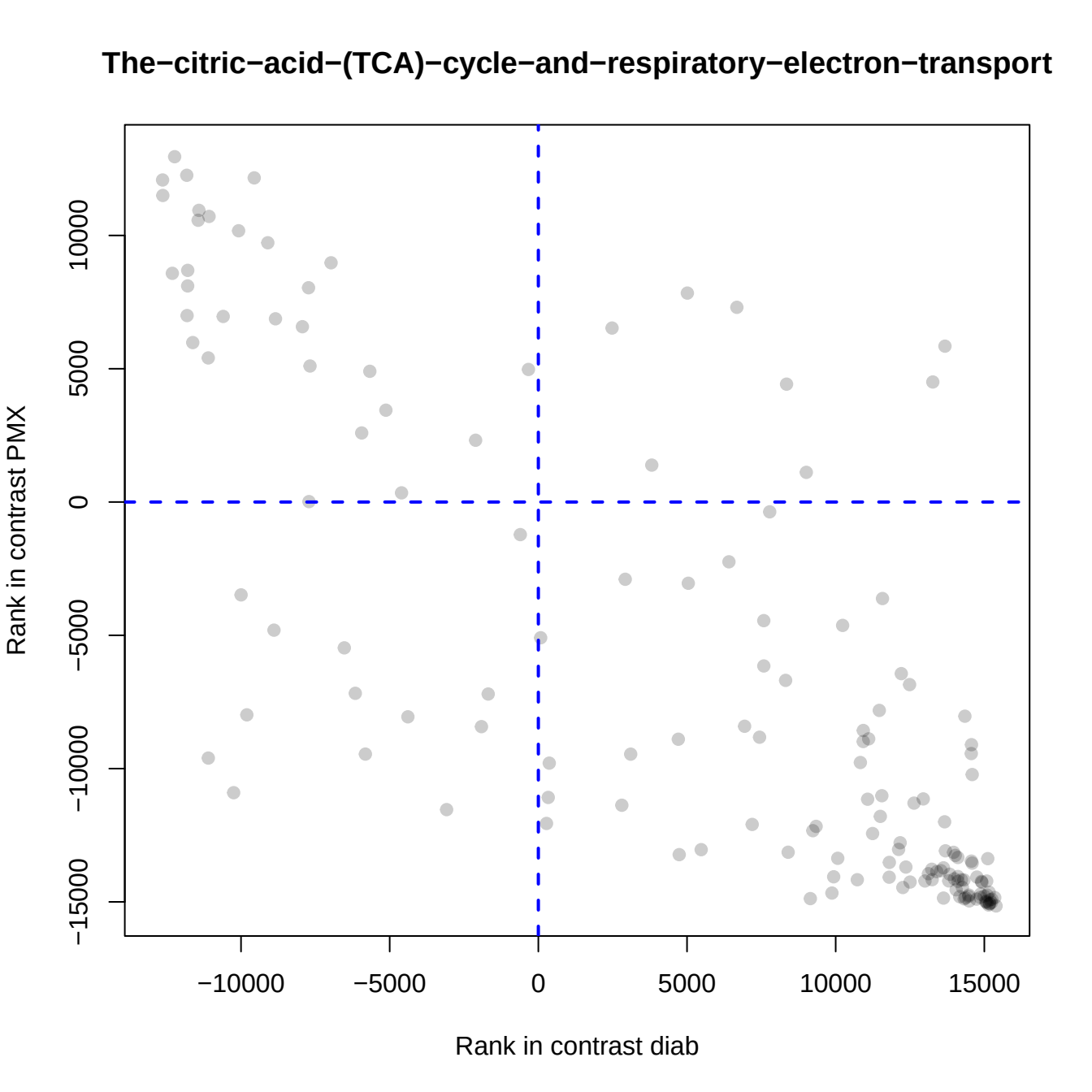

Selenoamino−acid−metabolism
10000
0
−10000
Position in rank
diab
PMX
Var2

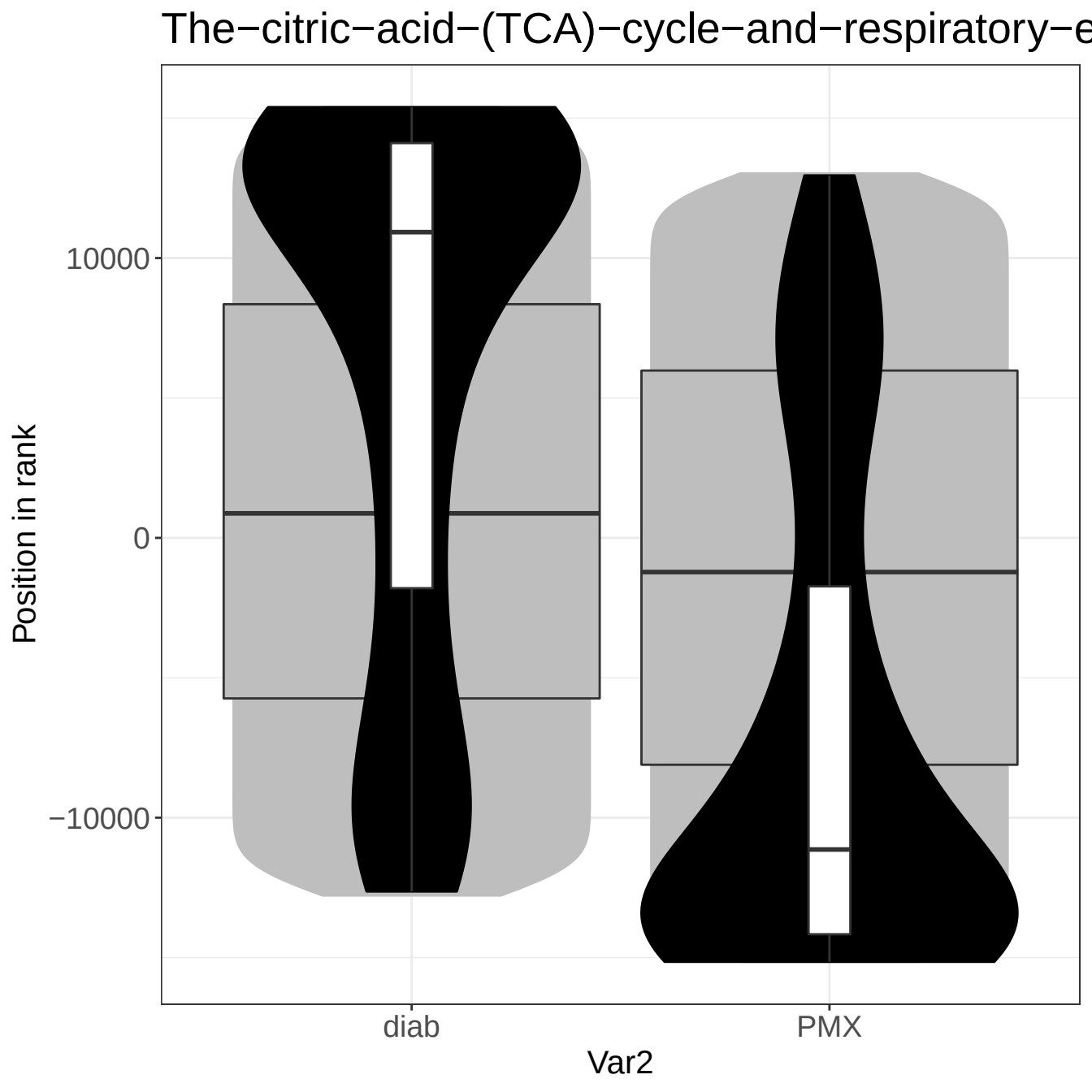

Influenza−Infection
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

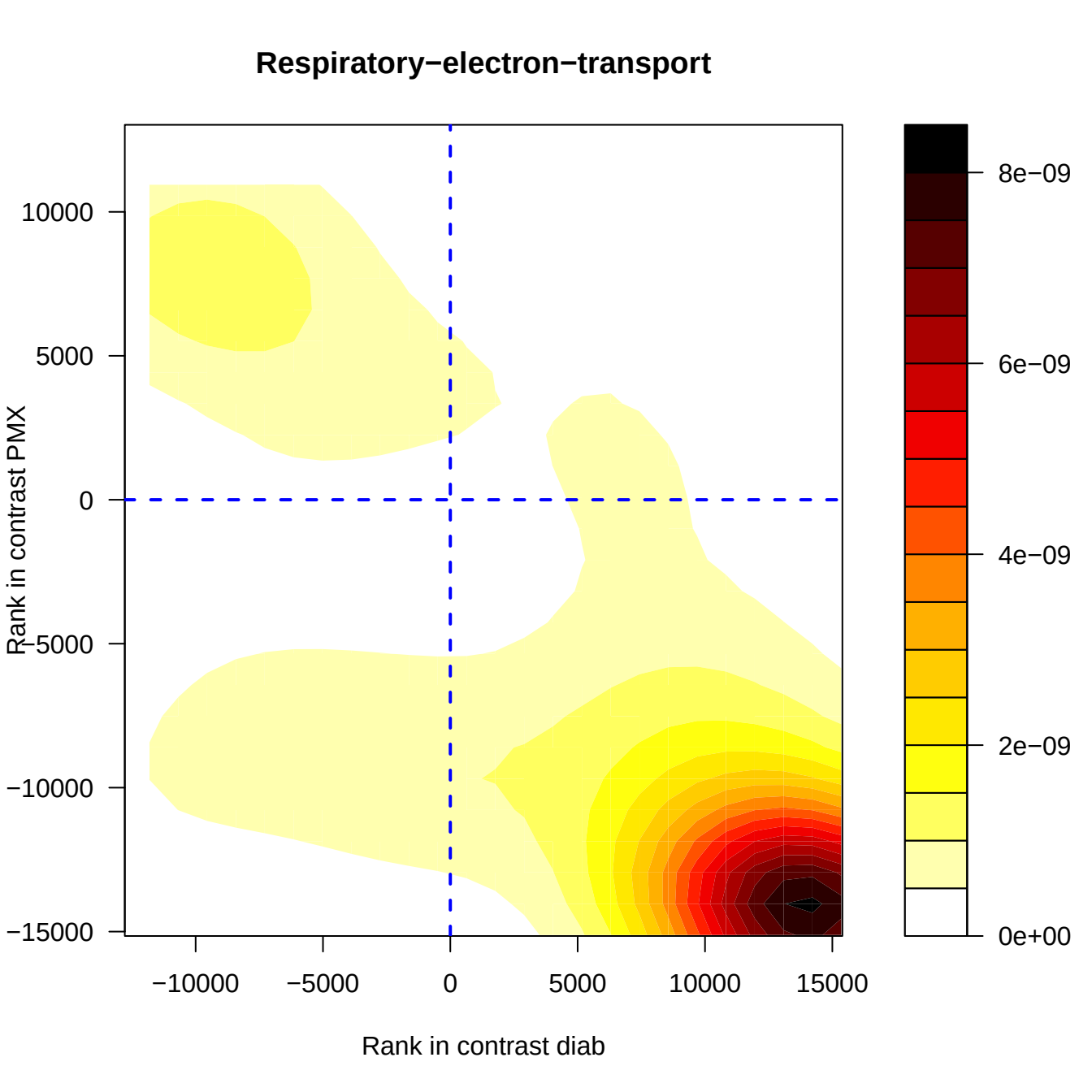

Influenza−Infection
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

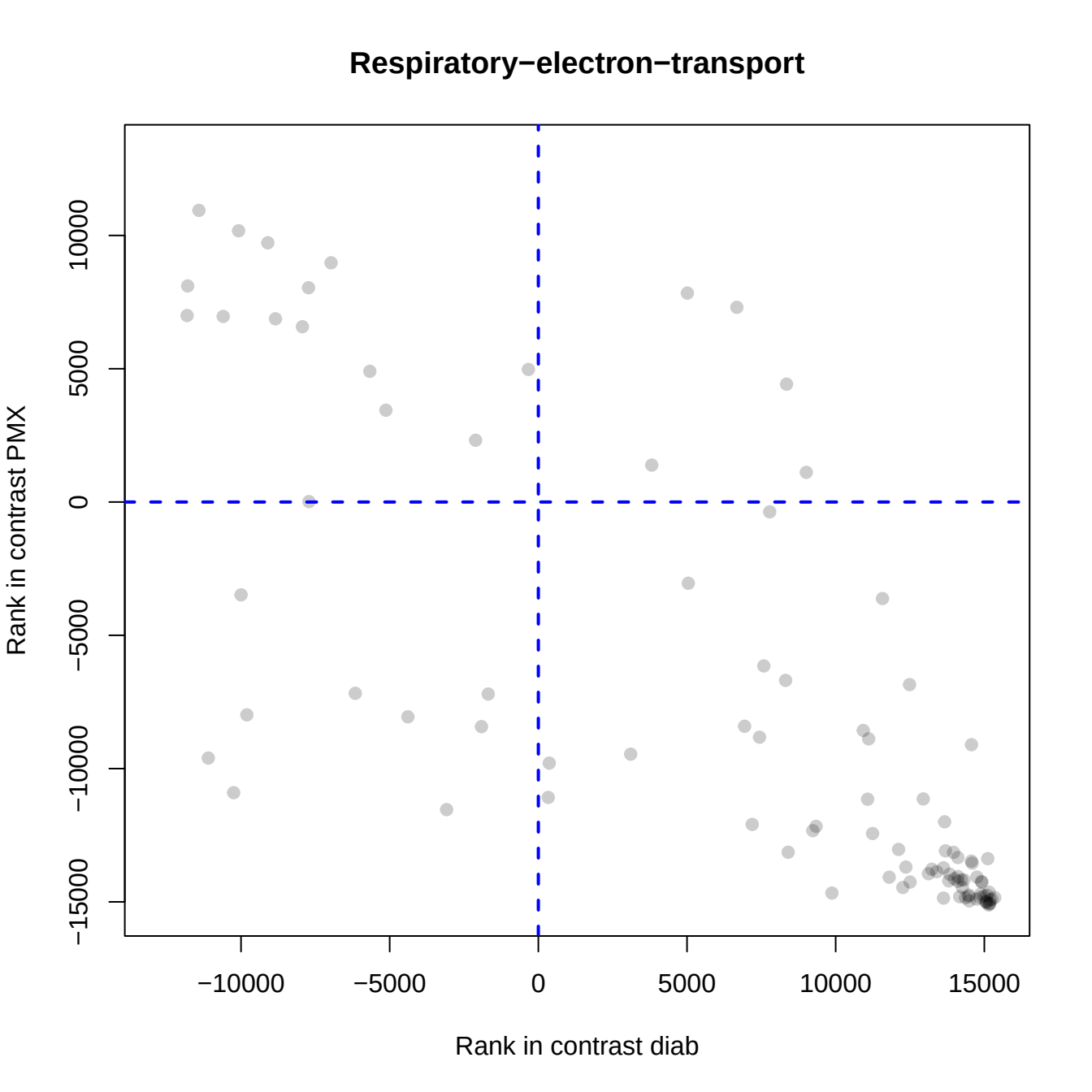

Influenza−Infection
10000
0
−10000
Position in rank
diab
PMX
Var2

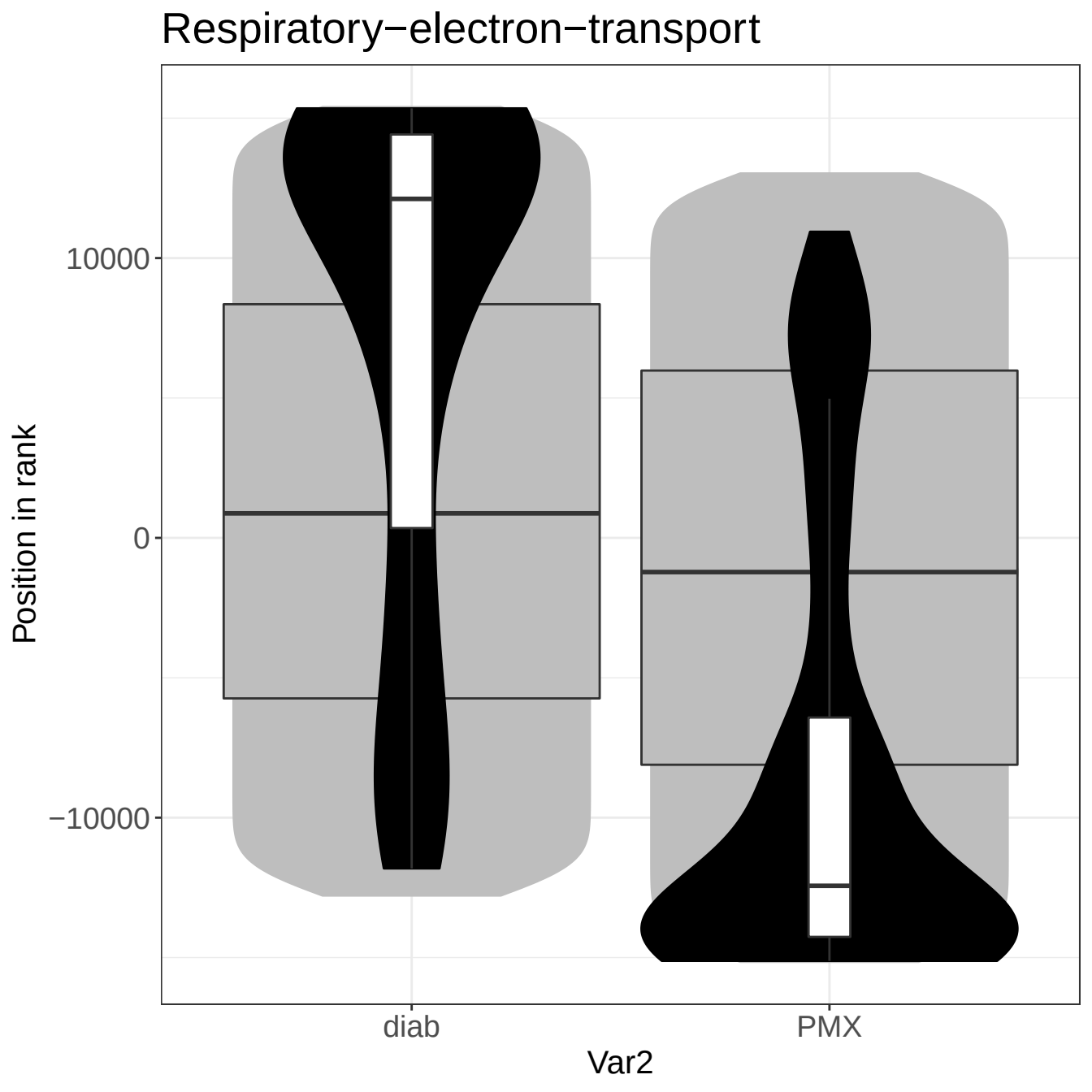

The−citric−acid−(TCA)−cycle−and−respiratory−electron−trar
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

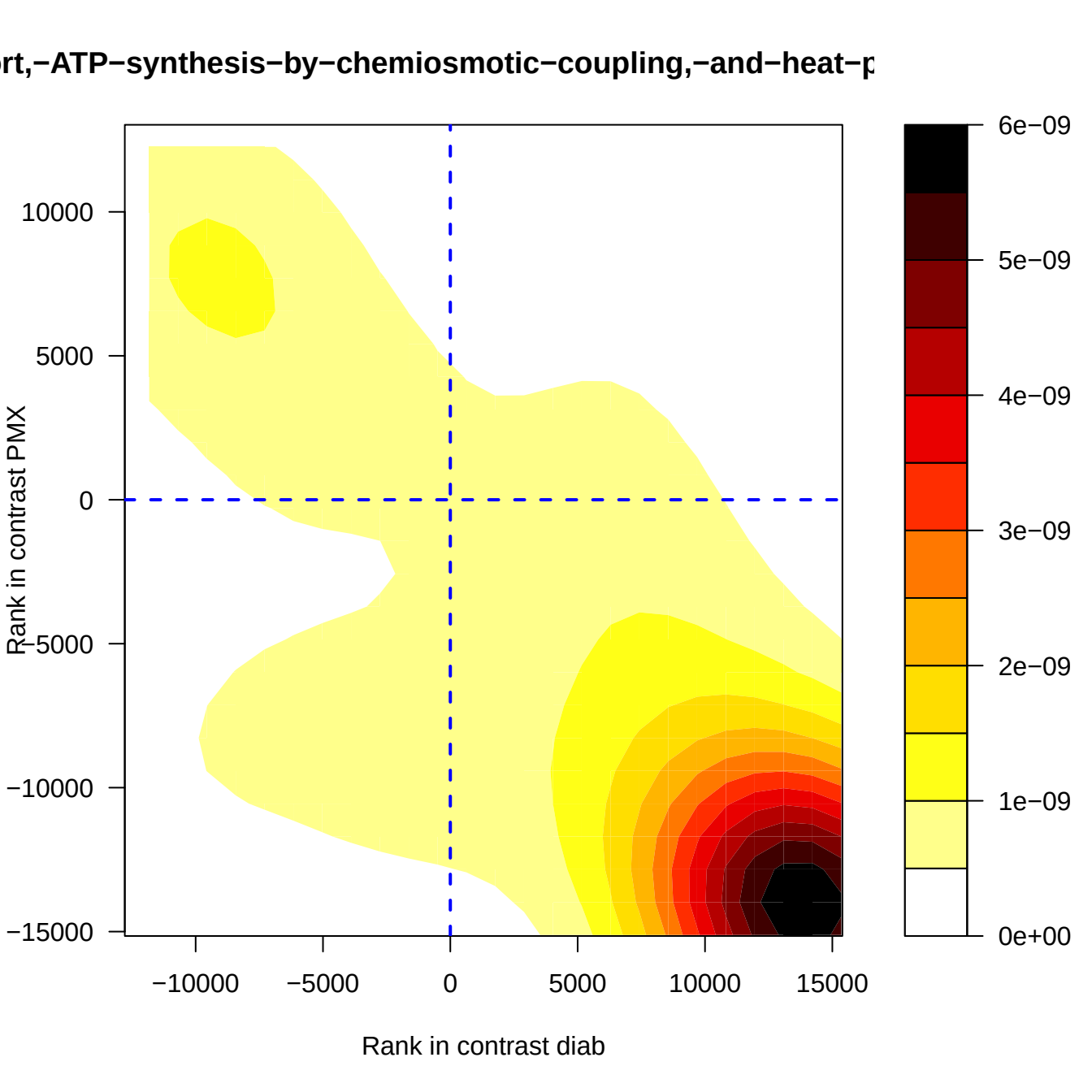

The−citric−acid−(TCA)−cycle−and−respiratory−electron−transport
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

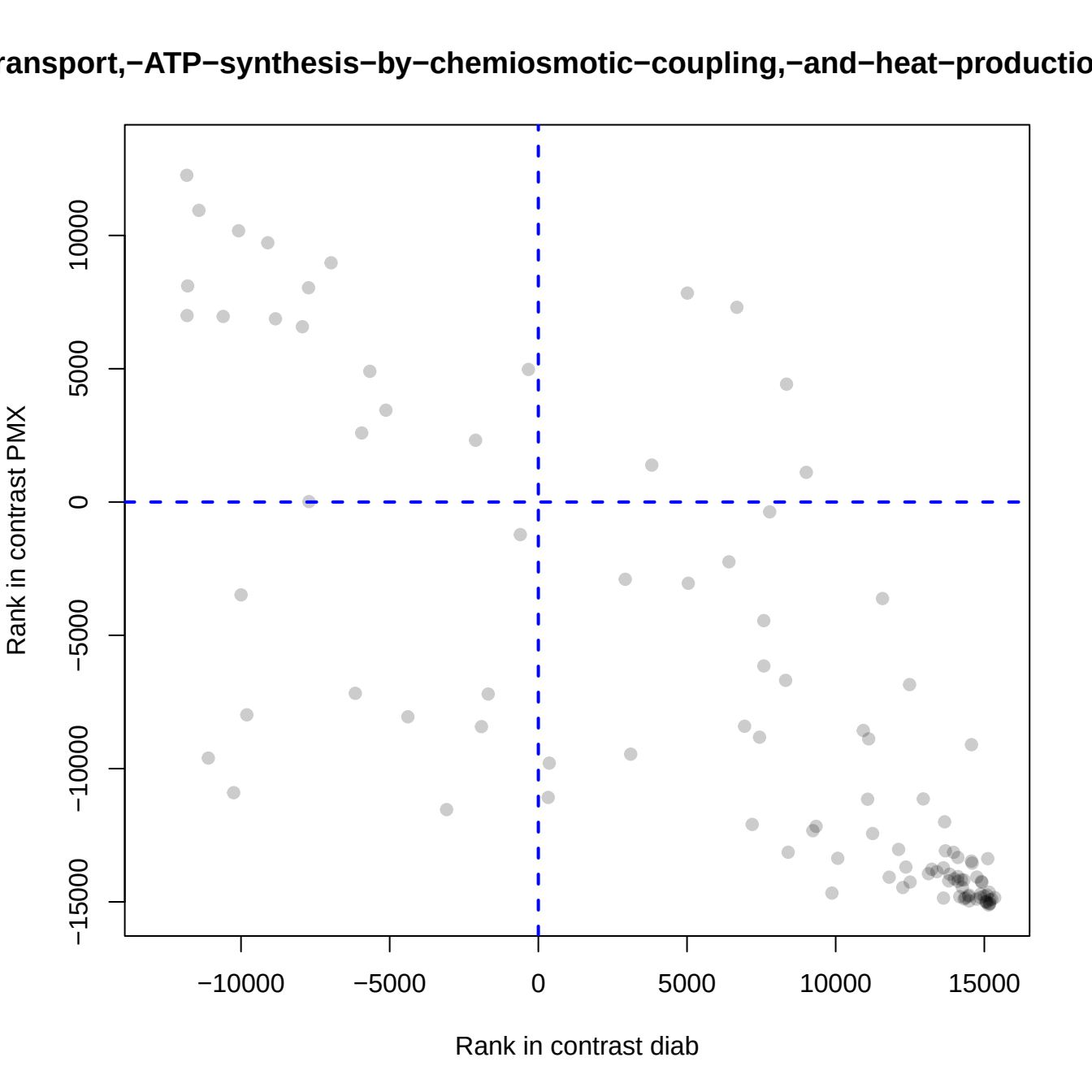

The−citric−acid−(TCA)−cycle−and−respiratory−e
10000
0
−10000
Position in rank
diab
PMX
Var2

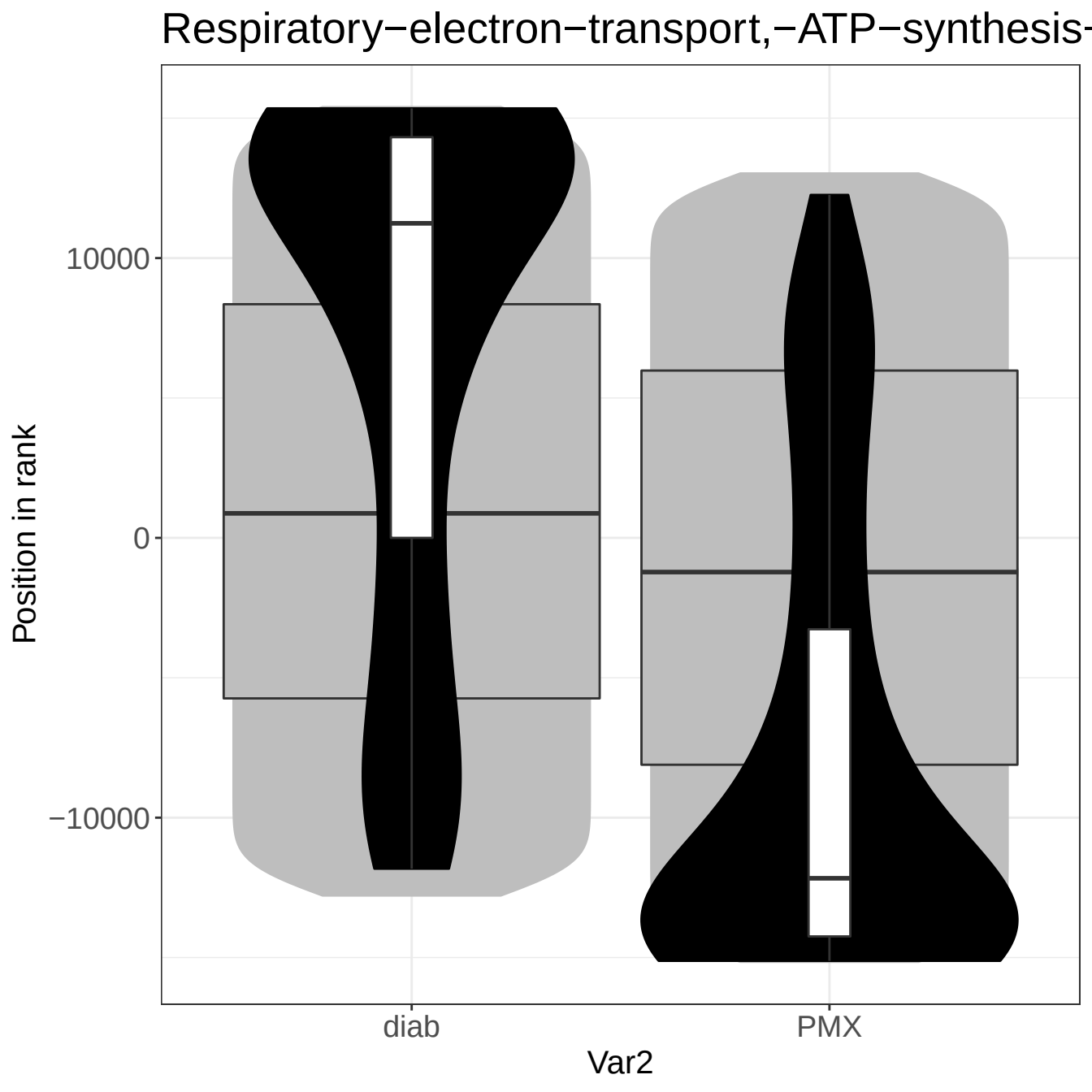

Respiratory−electron−transport
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
8e−09
6e−09
4e−09
2e−09
0e+00

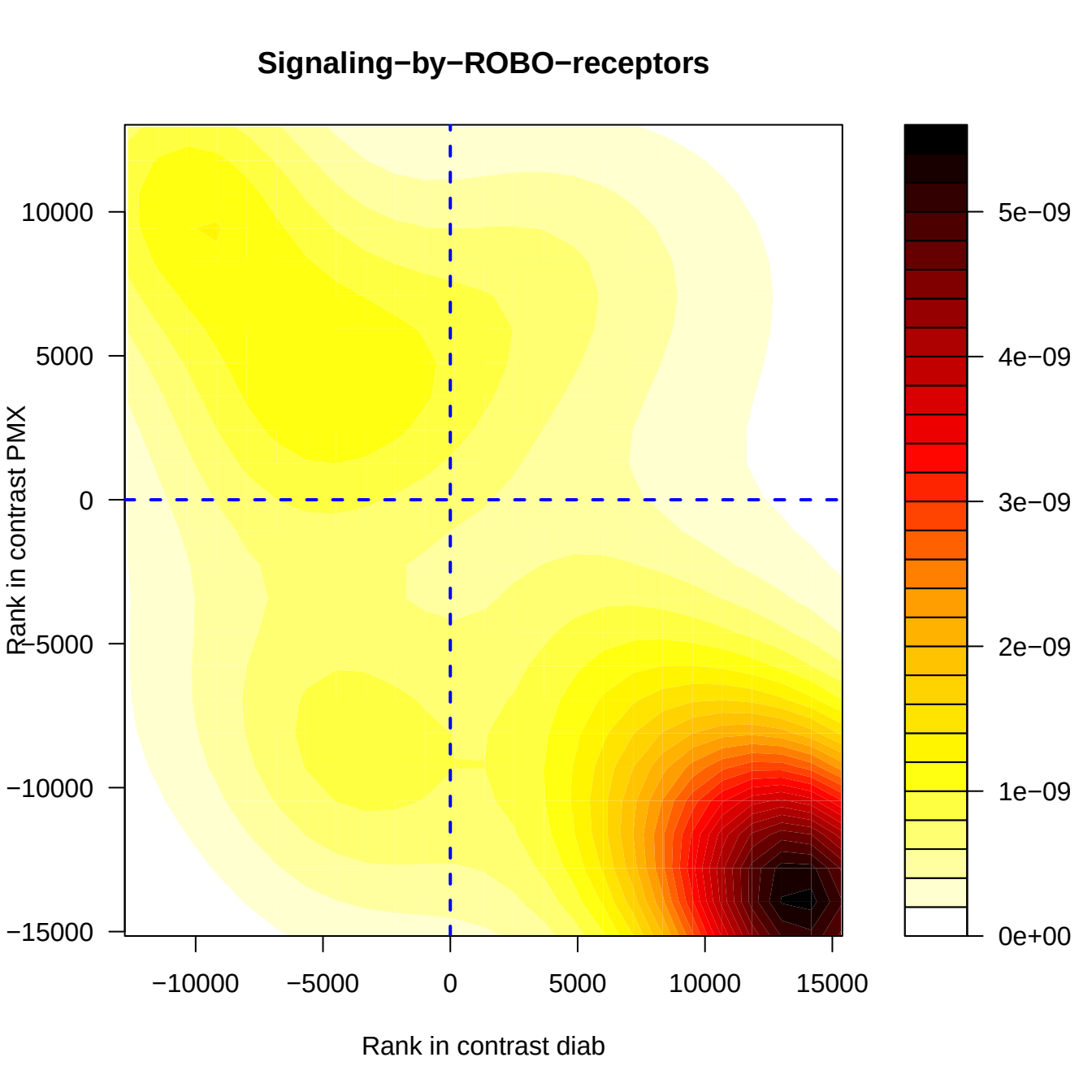

Respiratory−electron−transport
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

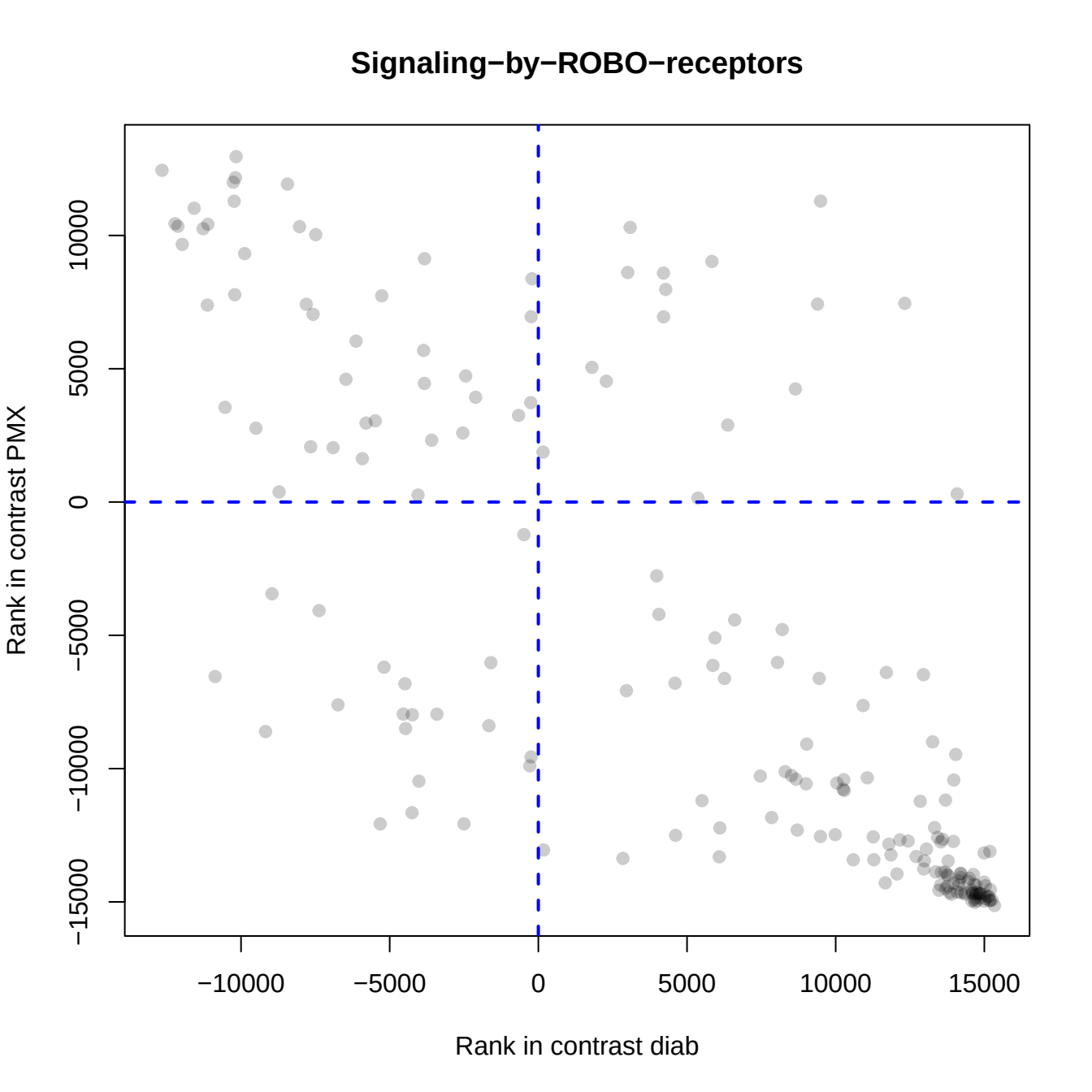

Respiratory−electron−transport
10000
0
−10000
Position in rank
diab
PMX
Var2

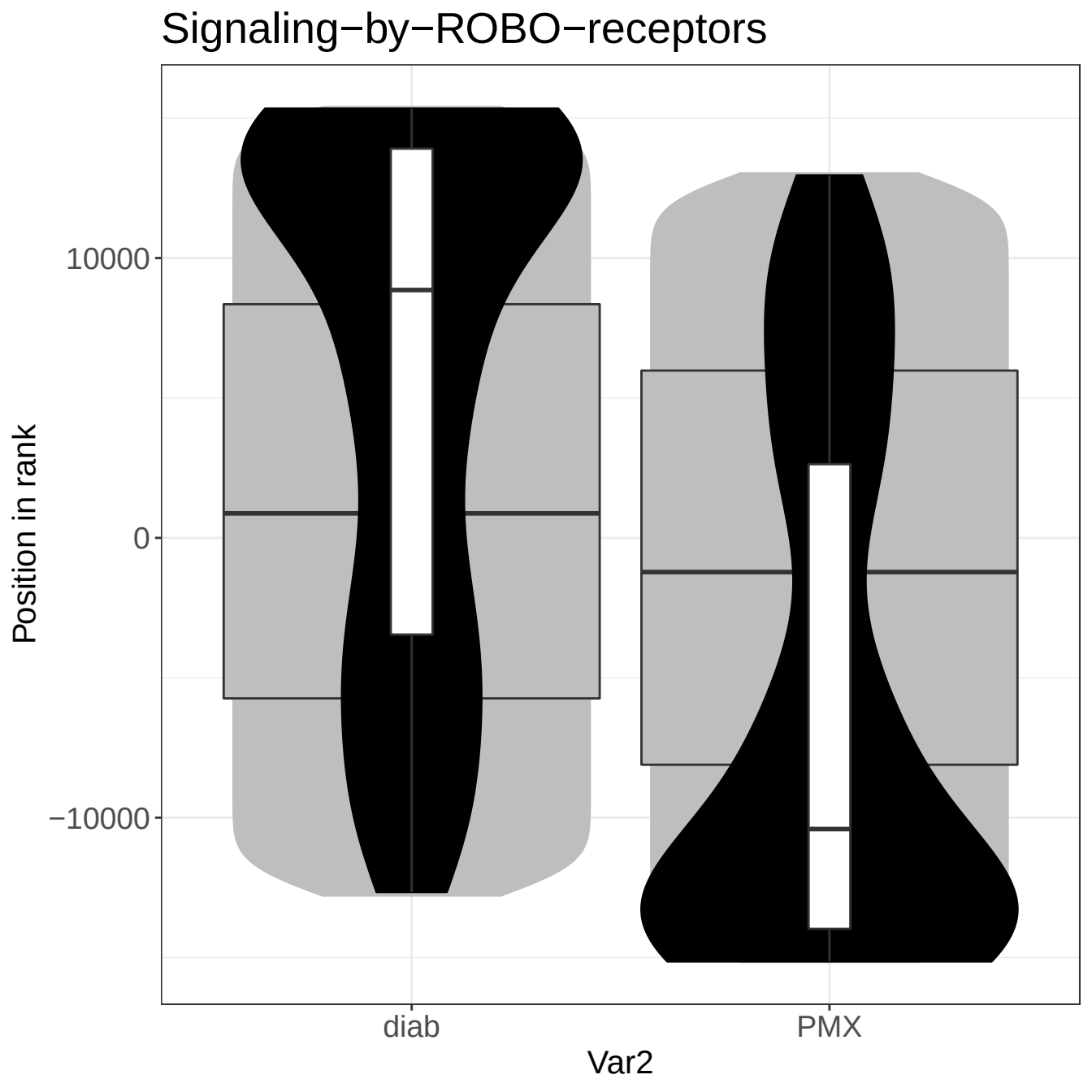

rt,−ATP−synthesis−by−chemiosmotic−coupling,−and−heat−p
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

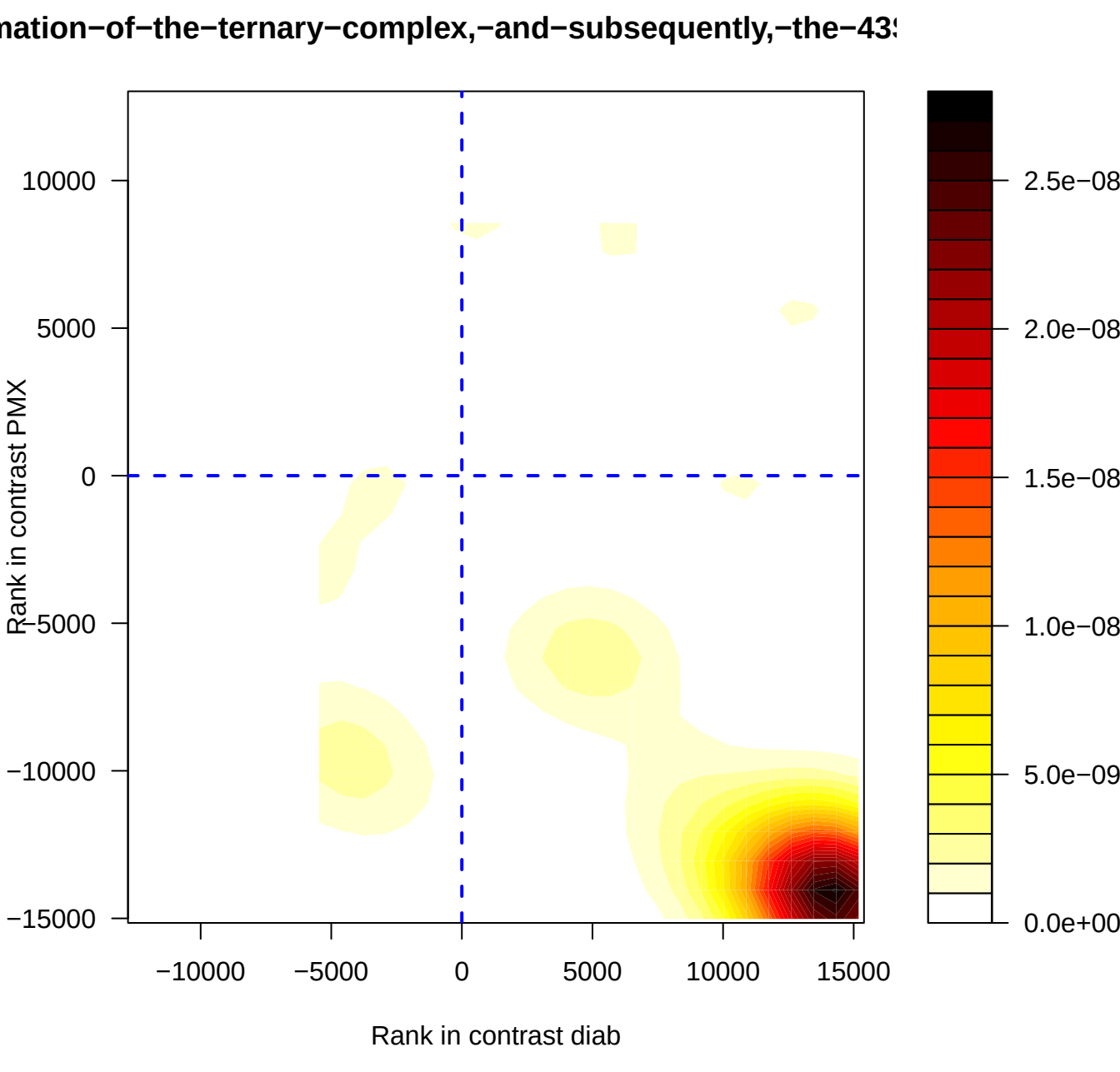

ransport,−ATP−synthesis−by−chemiosmotic−coupling,−and−heat−productio
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

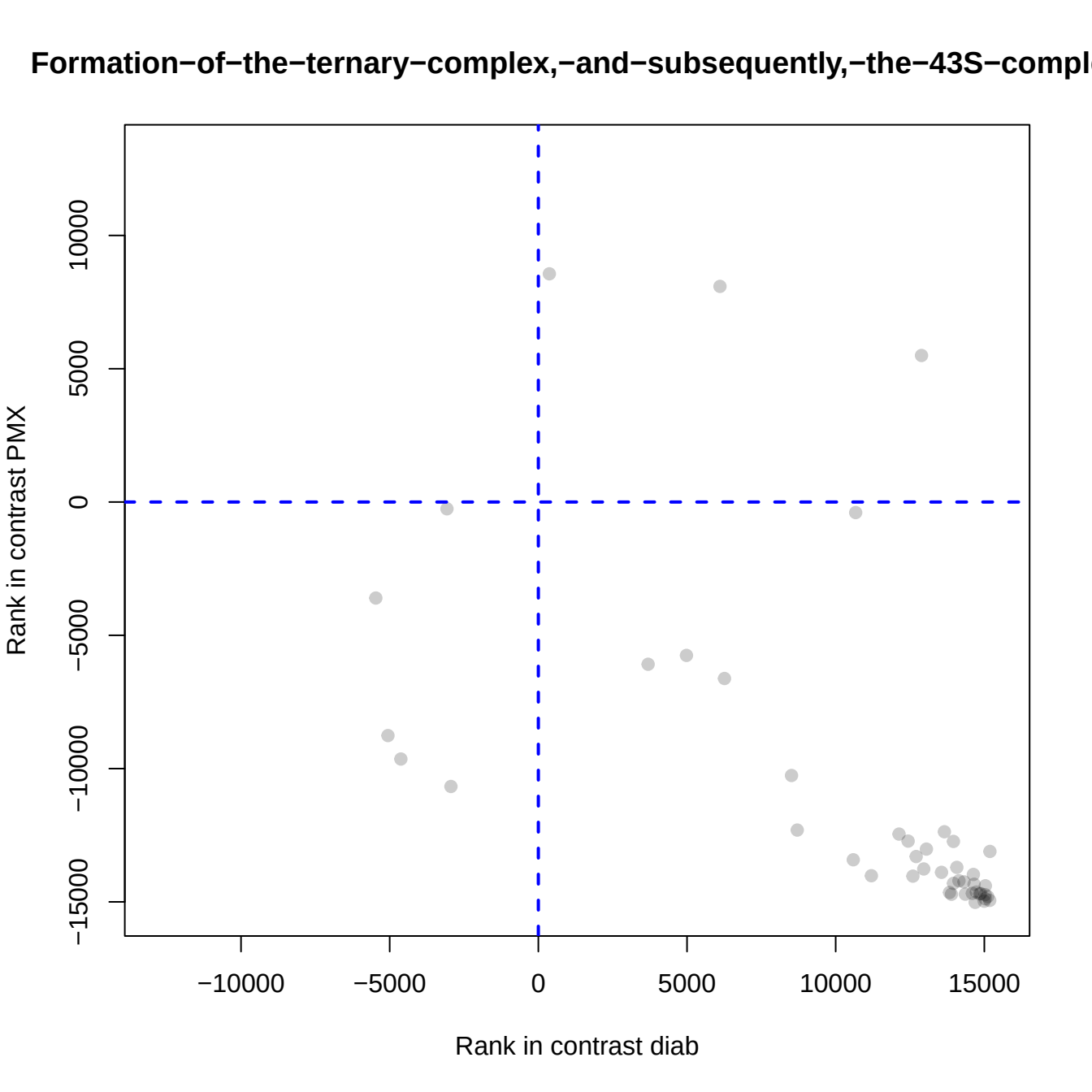

Respiratory−electron−transport,−ATP−synthesis-
10000
0
−10000
Position in rank
diab
PMX
Var2

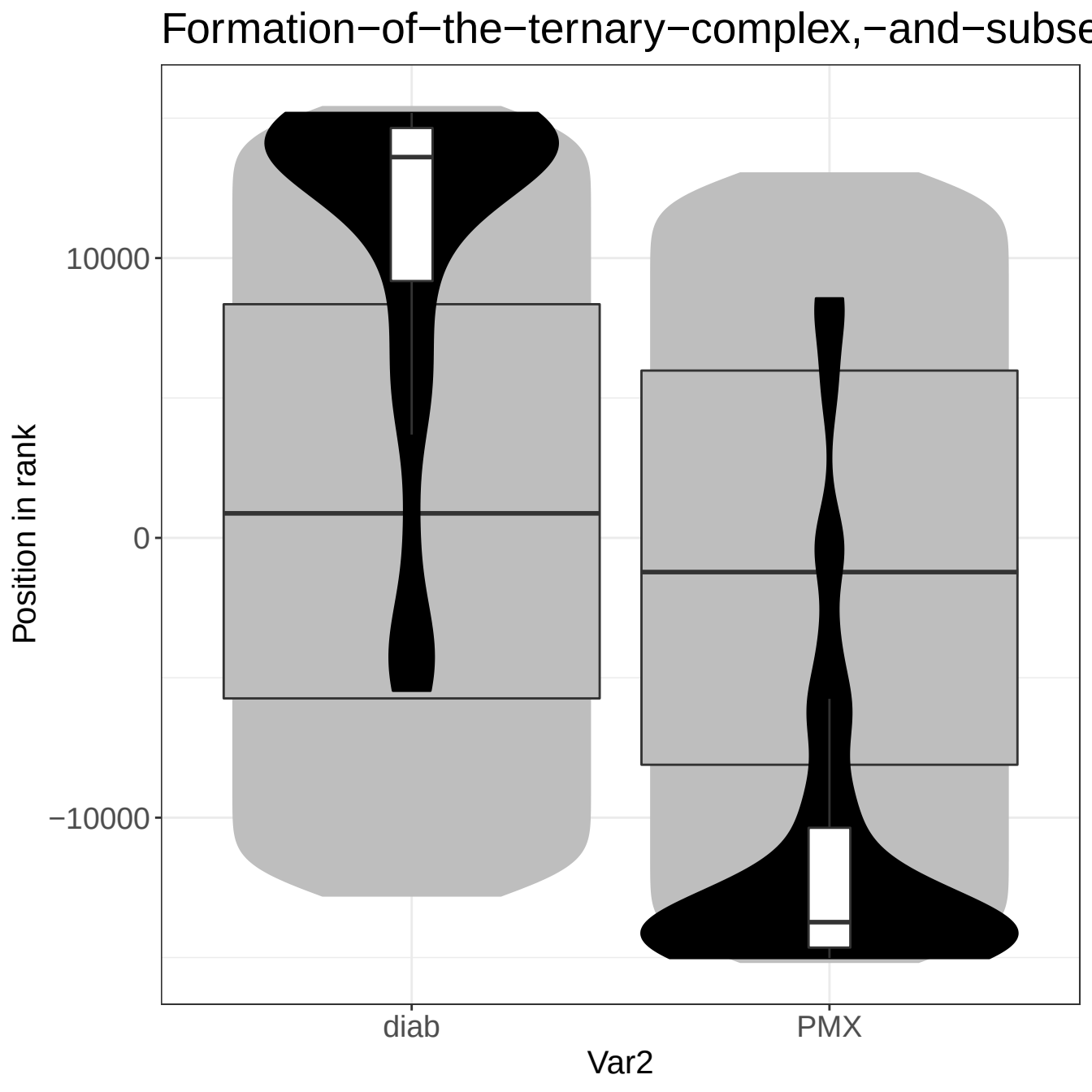

Signaling−by−ROBO−receptors
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

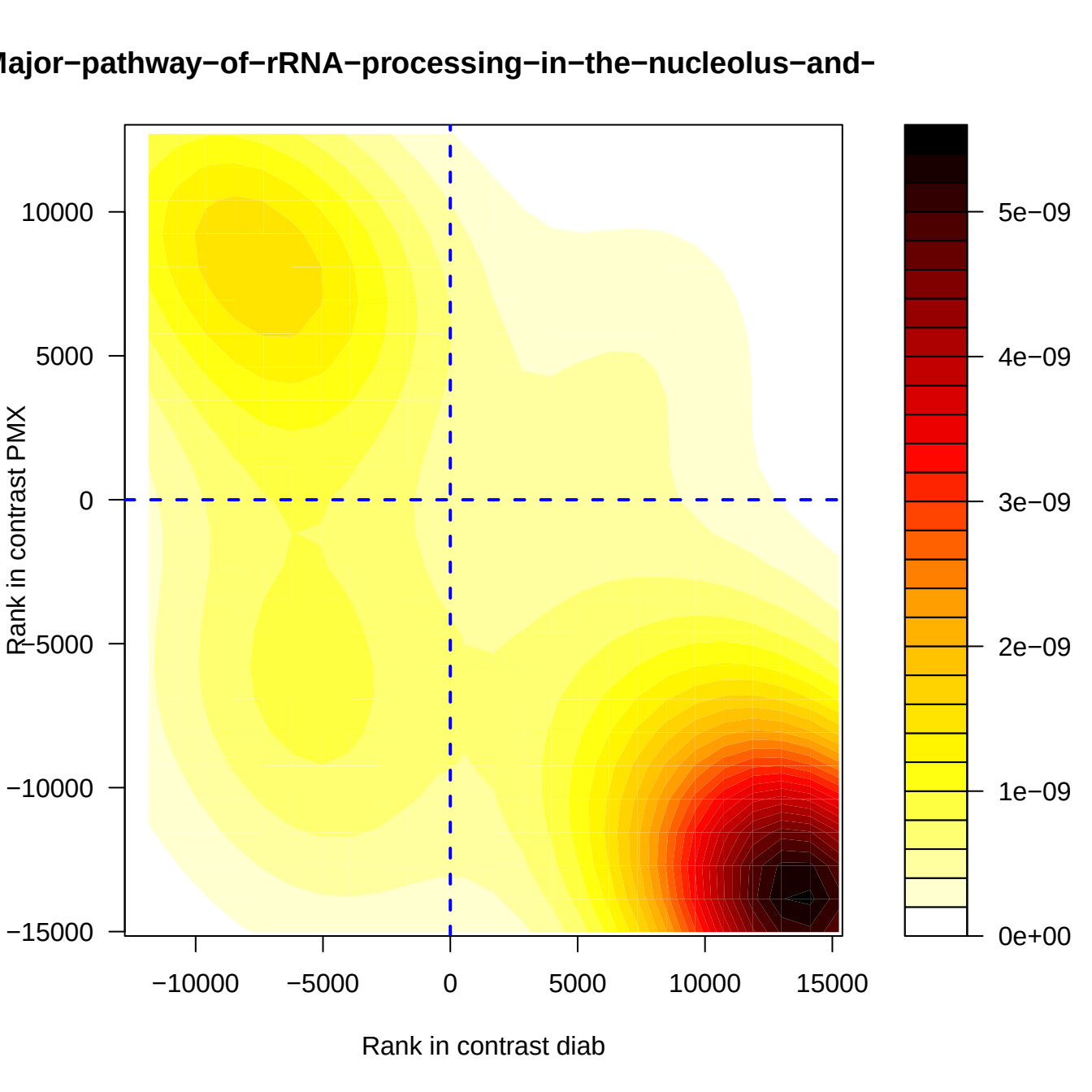

Signaling−by−ROBO−receptors
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

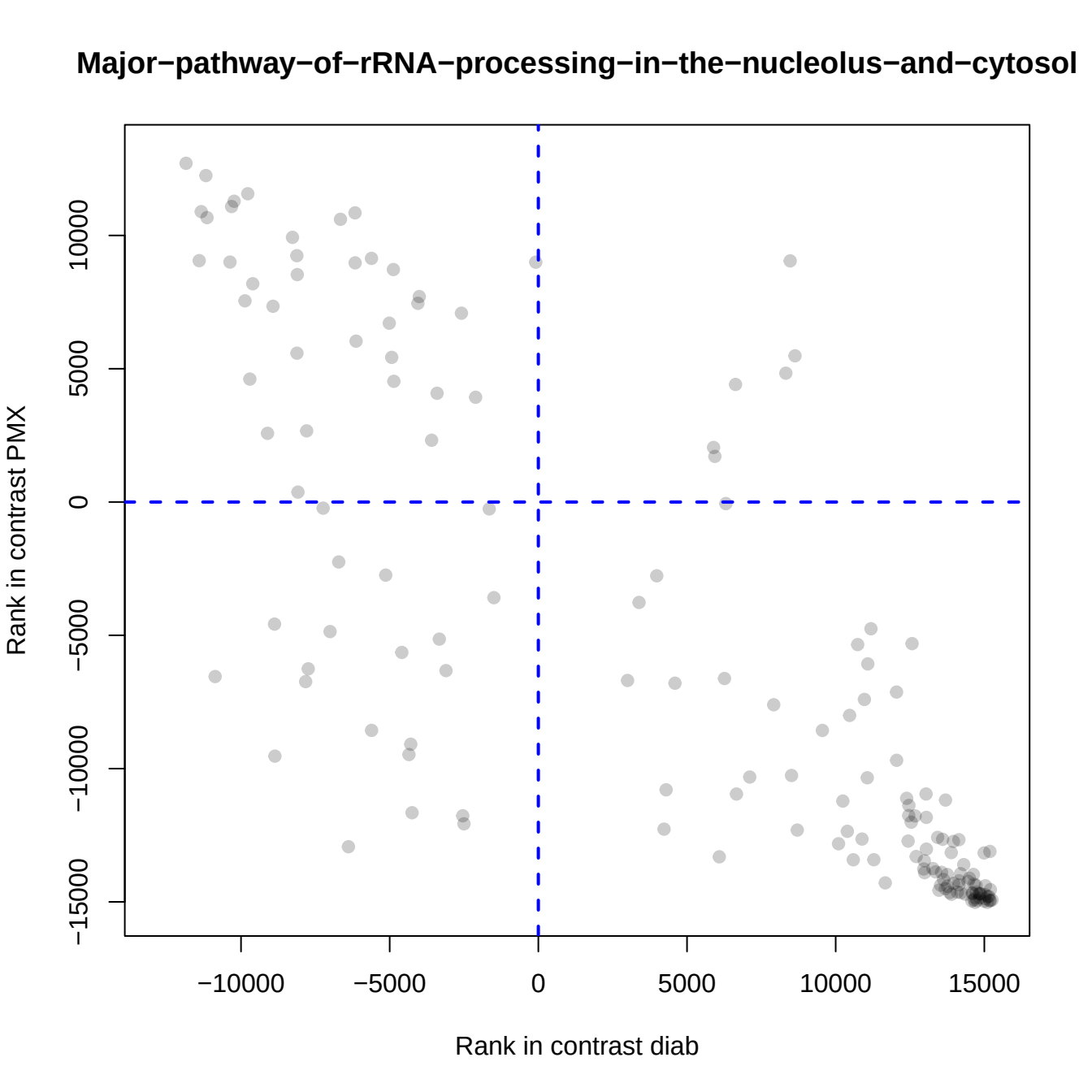

Signaling−by−ROBO−receptors
10000
0
−10000
Position in rank
diab
PMX
Var2

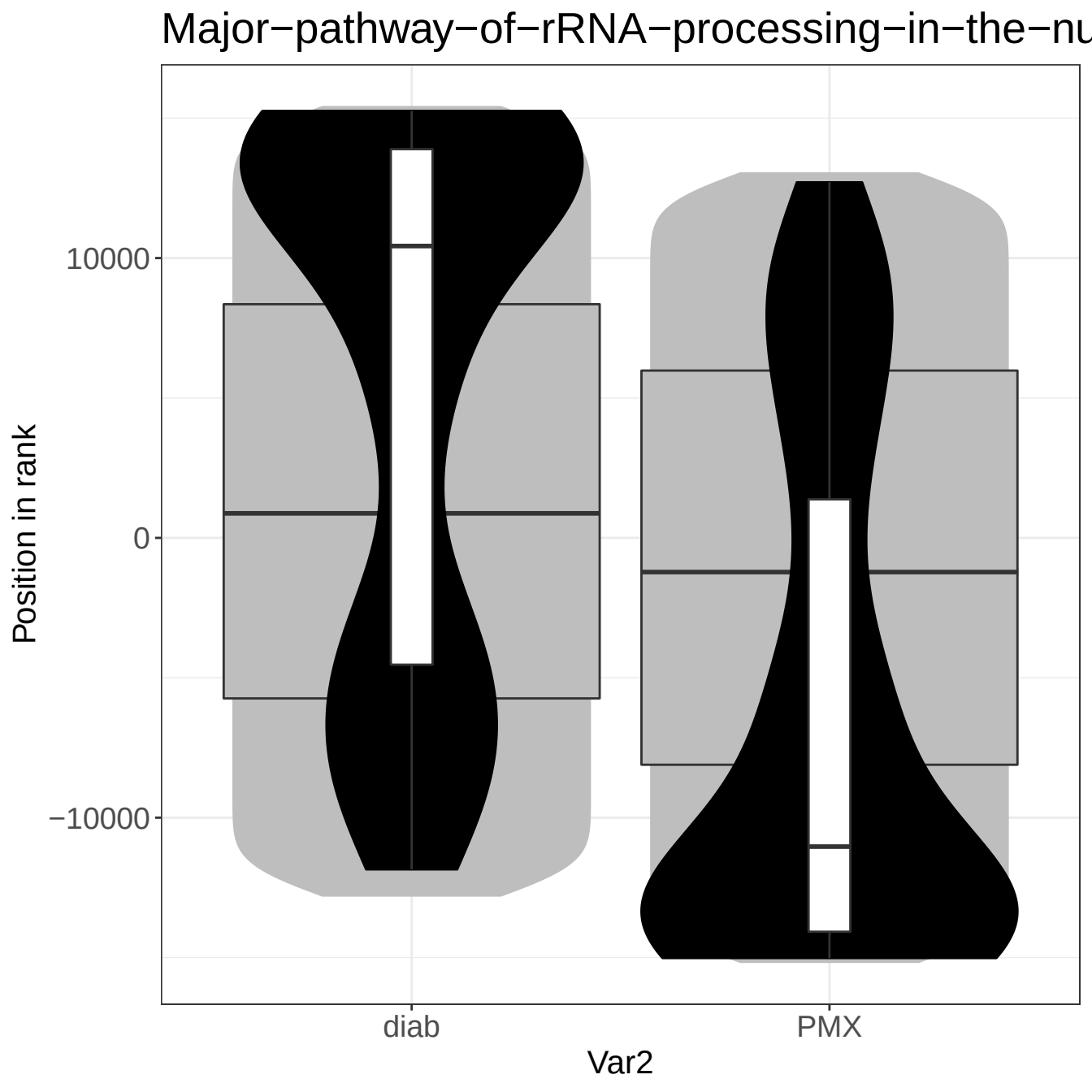

mation−of−the−ternary−complex,−and−subsequently,−the−43
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
2.5e−08
2.0e−08
1.5e−08
1.0e−08
5.0e−09
0.0e+00

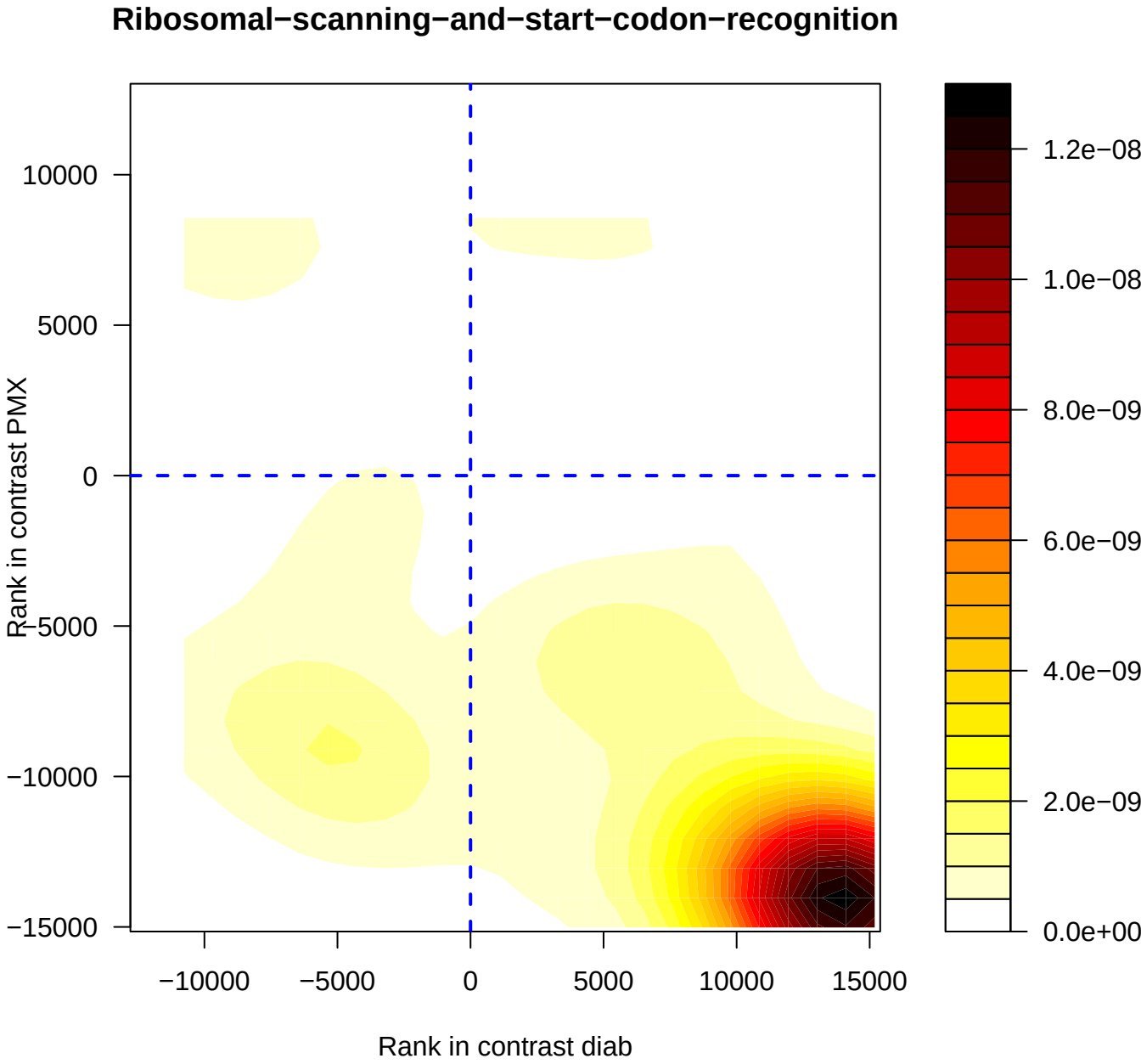

Formation−of−the−ternary−complex,−and−subsequently,−the−43S−compl
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

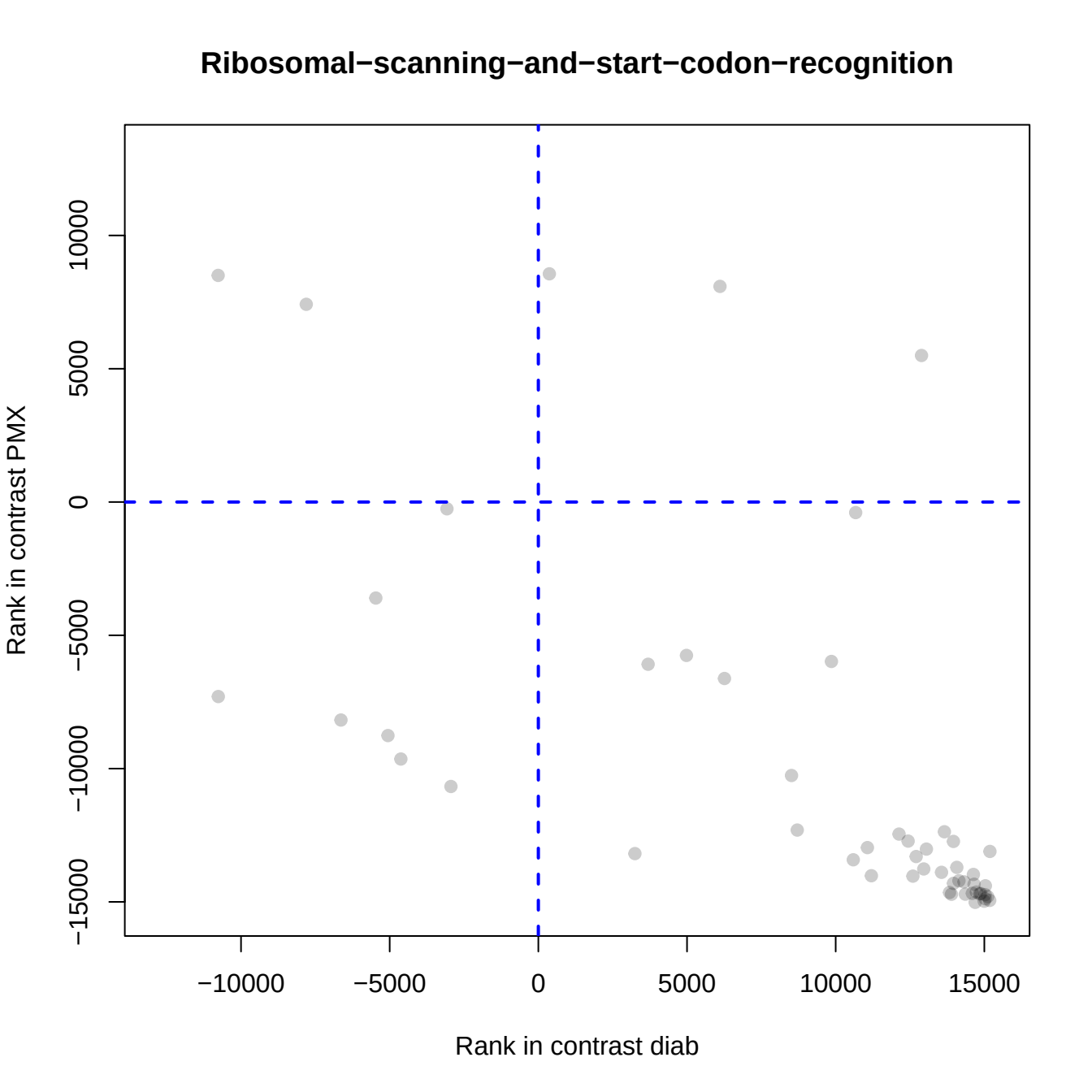

Formation−of−the−ternary−complex,−and−subse
10000
0
−10000
Position in rank
diab
PMX
Var2

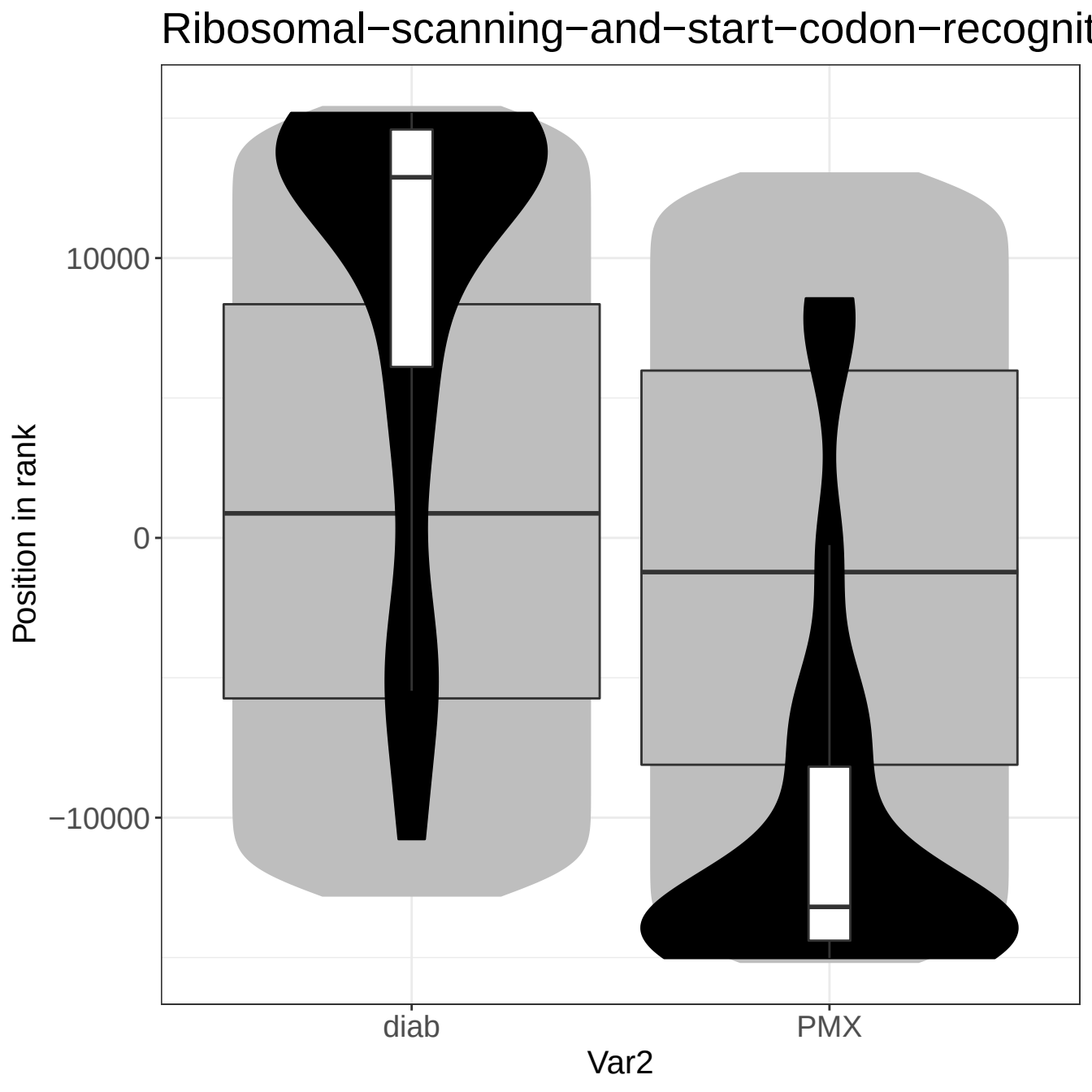

Major−pathway−of−rRNA−processing−in−the−nucleolus−and−
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

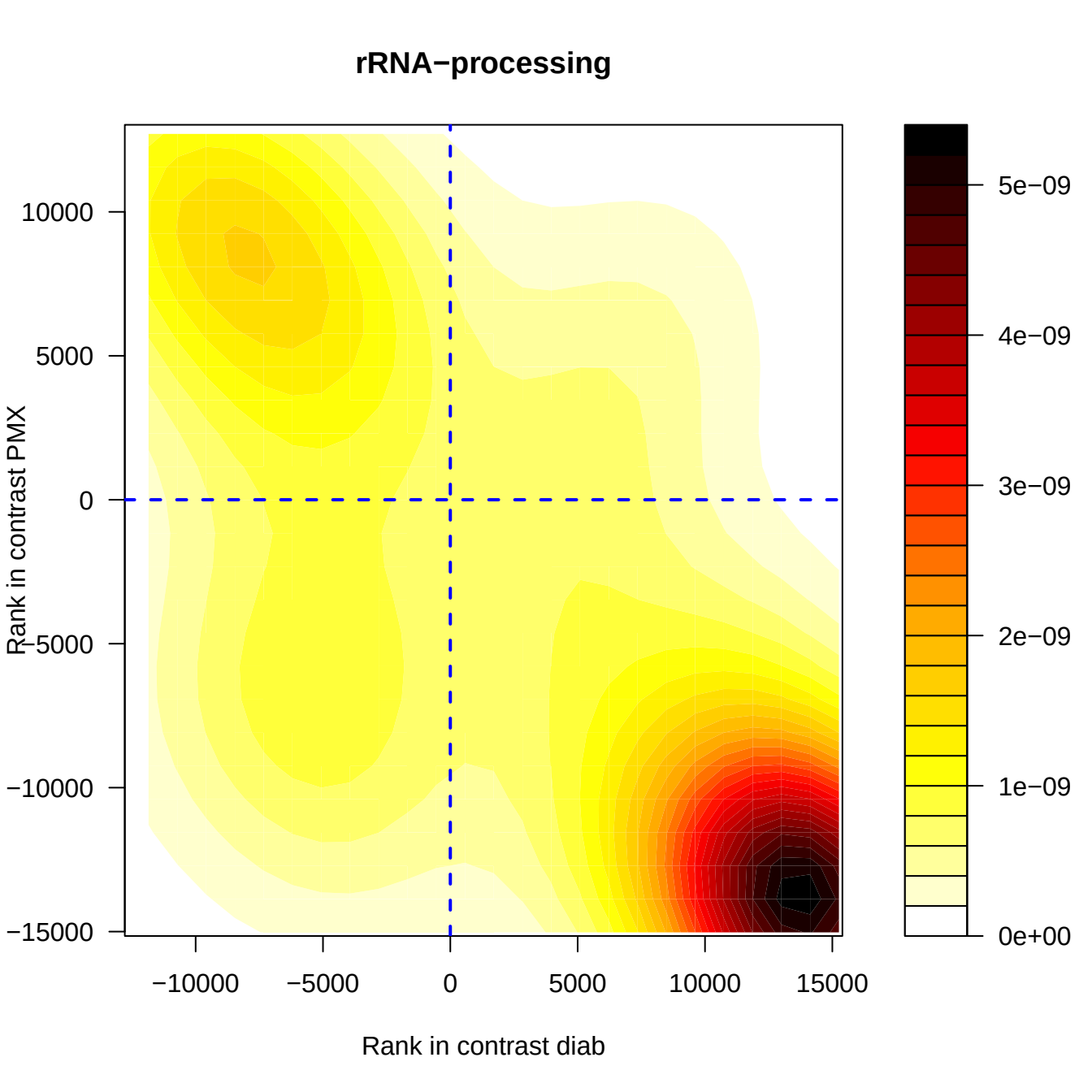

Major−pathway−of−rRNA−processing−in−the−nucleolus−and−cytosol
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

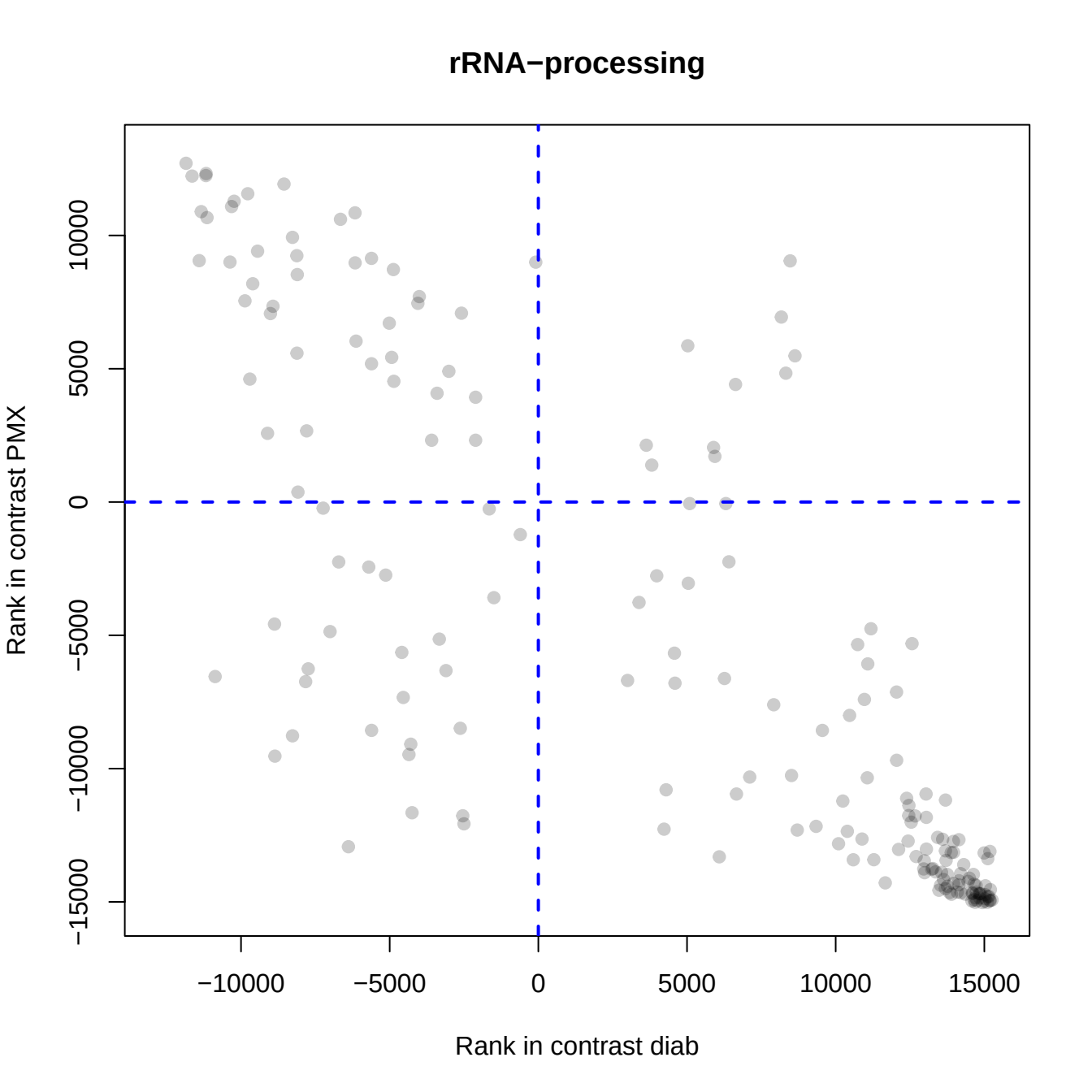

Major−pathway−of−rRNA−processing−in−the−nu
10000
0
−10000
Position in rank
diab
PMX
Var2

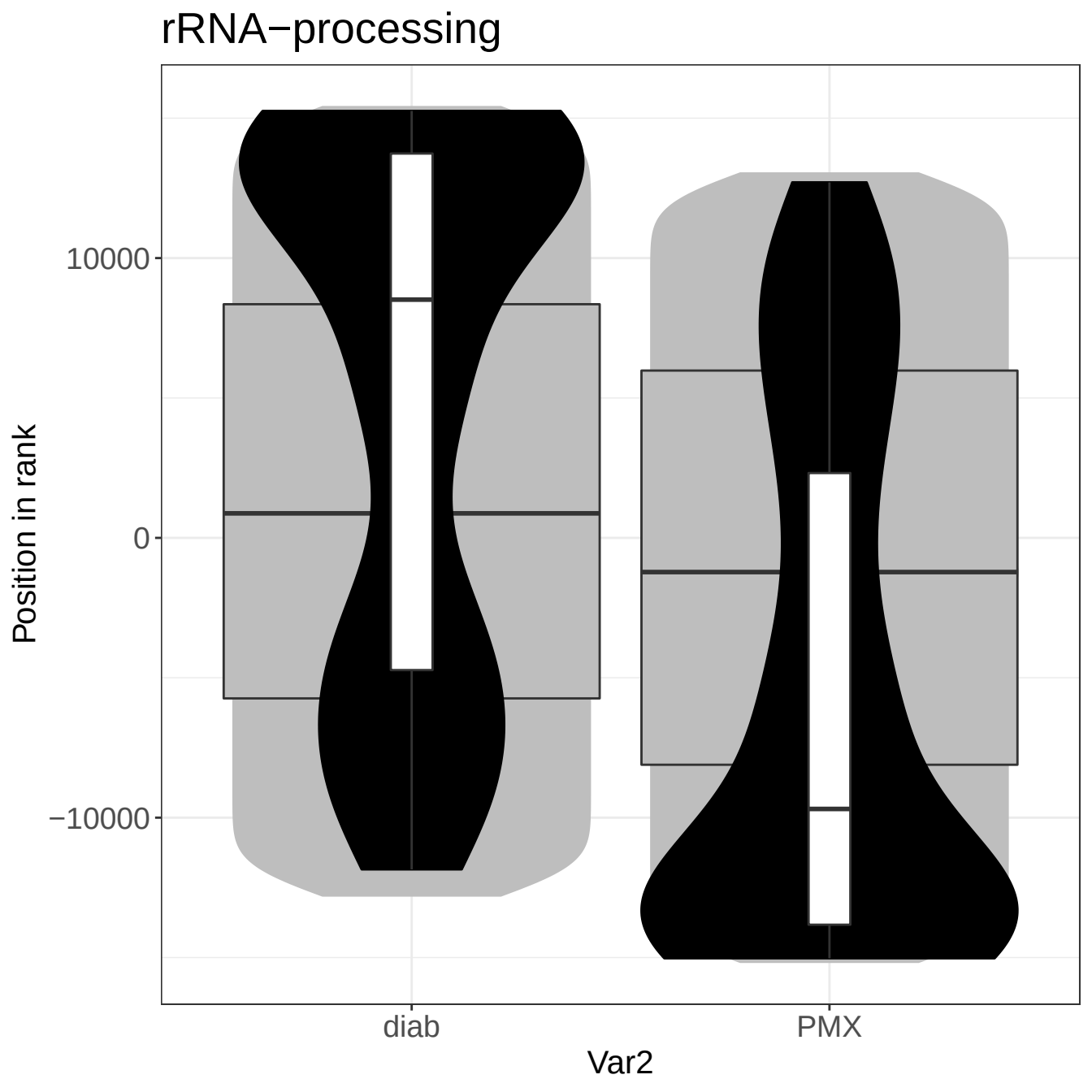

Ribosomal−scanning−and−start−codon−recognition
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

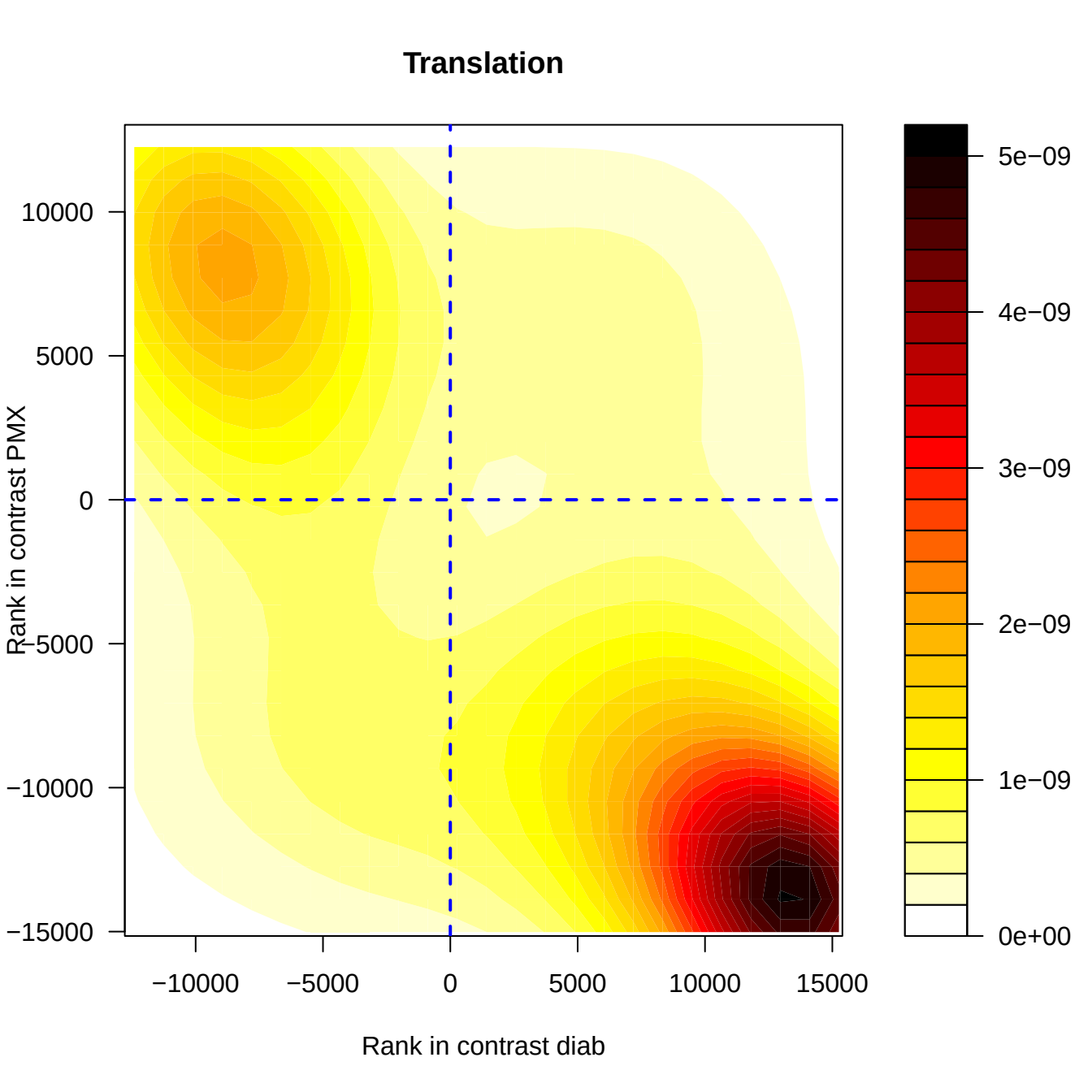

Ribosomal−scanning−and−start−codon−recognition
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

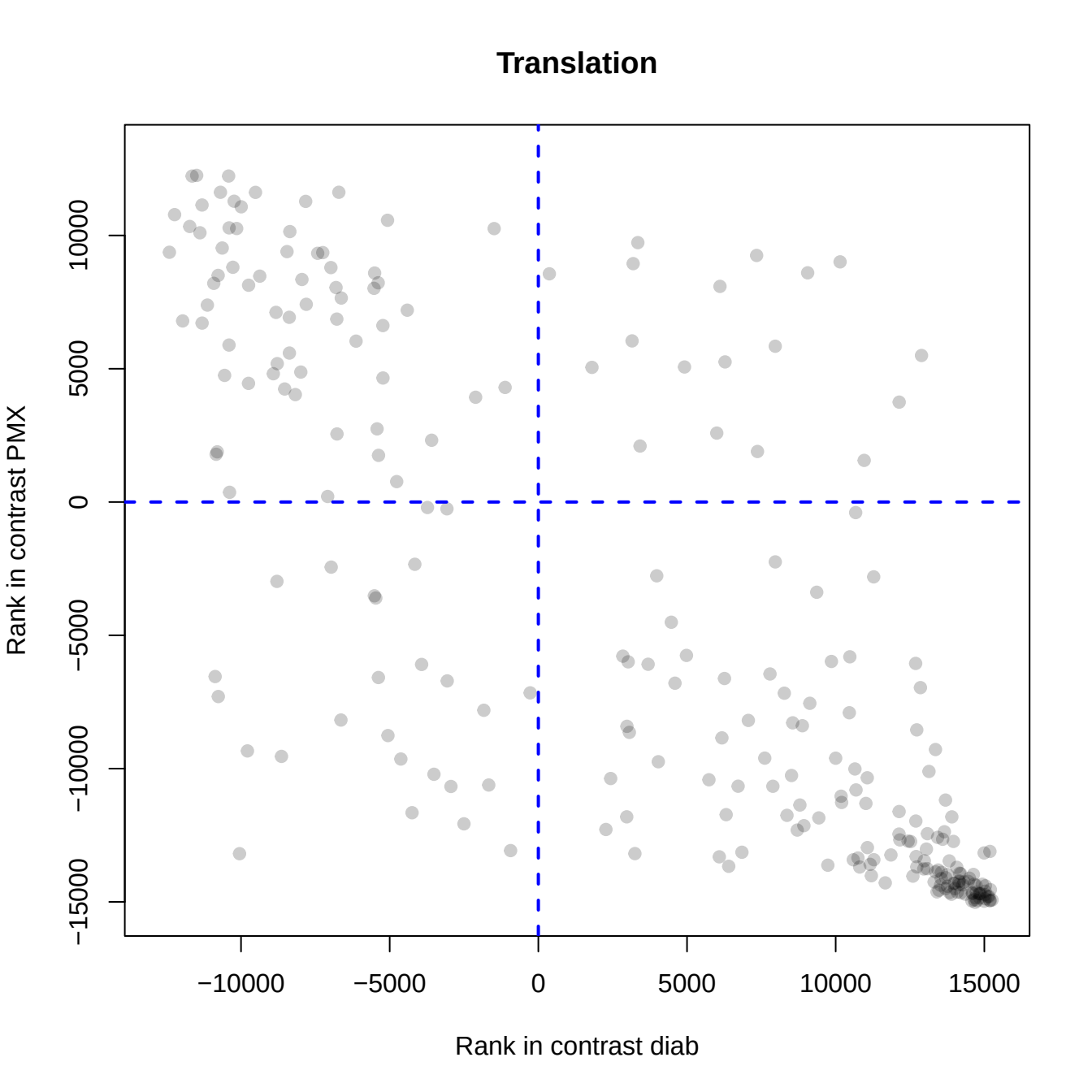

Ribosomal−scanning−and−start−codon−recognit
10000
0
−10000
Position in rank
diab
PMX
Var2

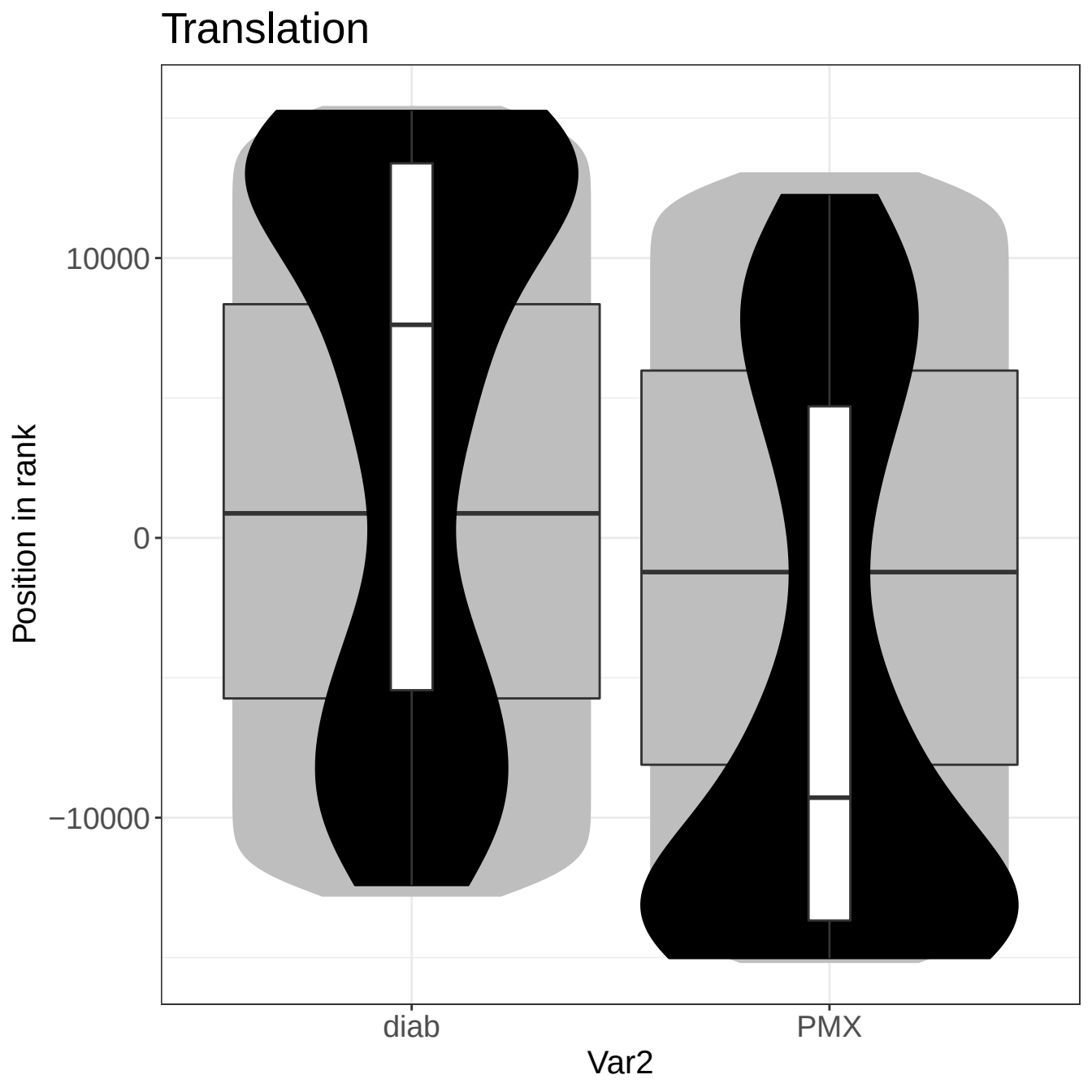

rRNA−processing
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

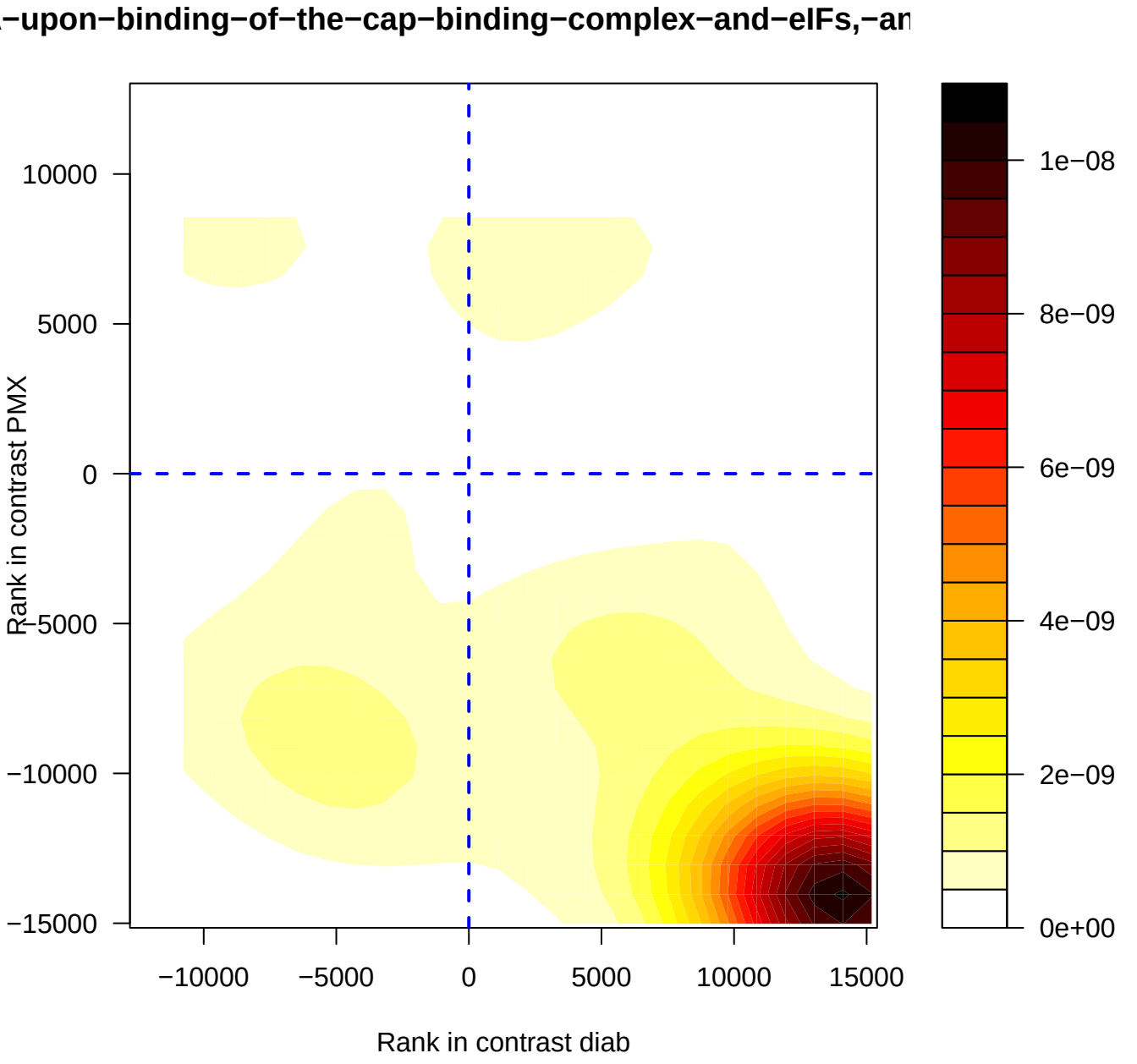

rRNA−processing
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

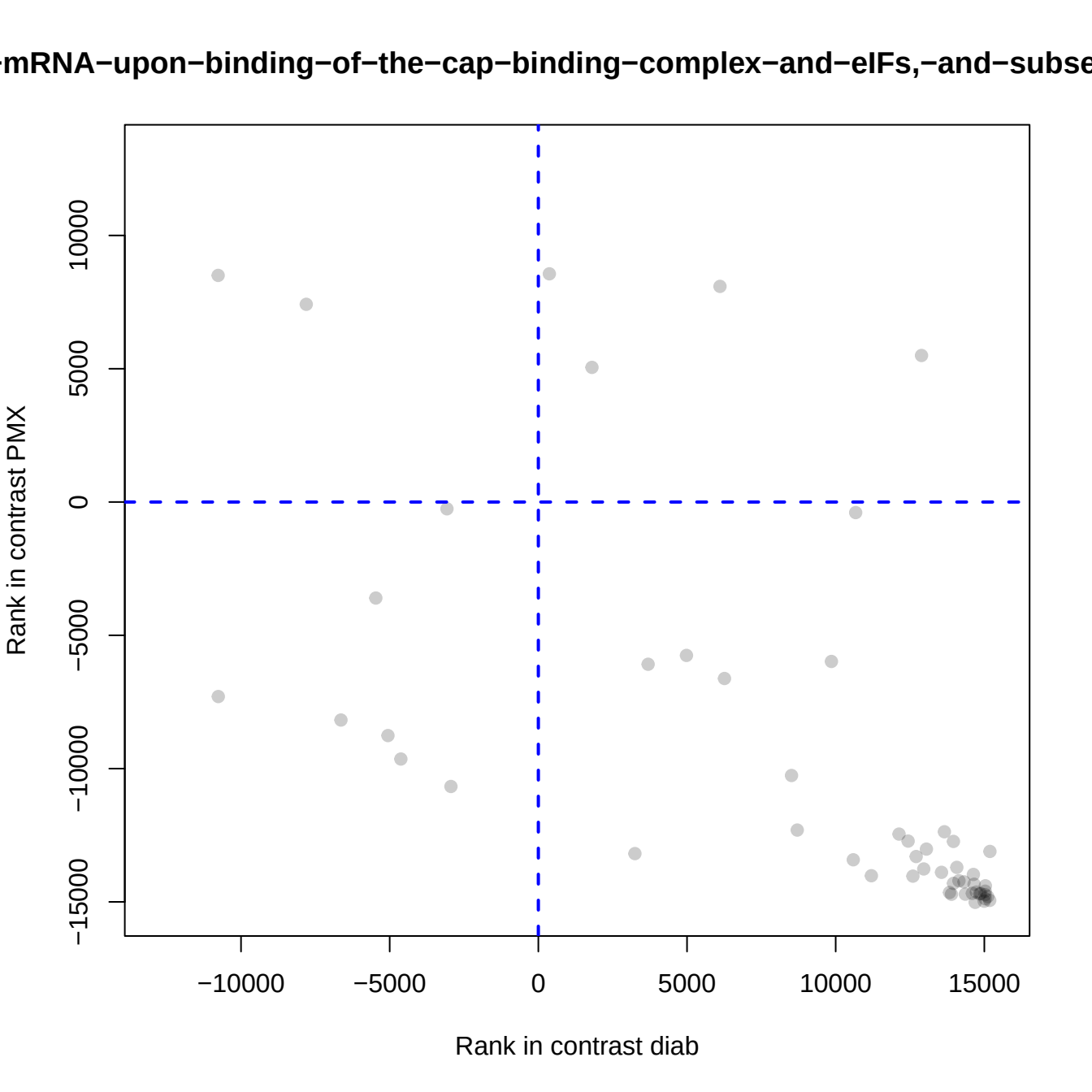

rRNA−processing
10000
0
−10000
Position in rank
diab
PMX
Var2

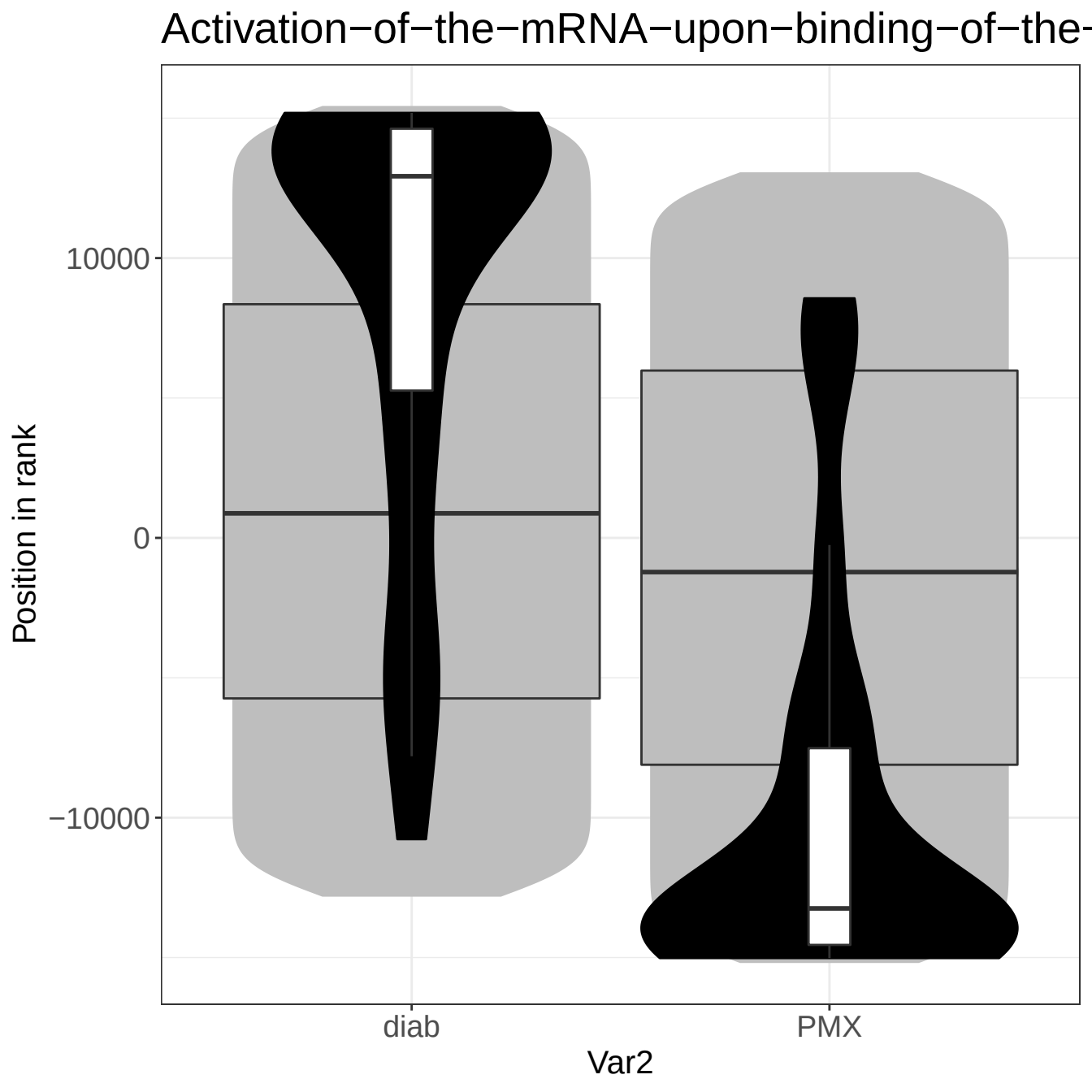

Translation
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

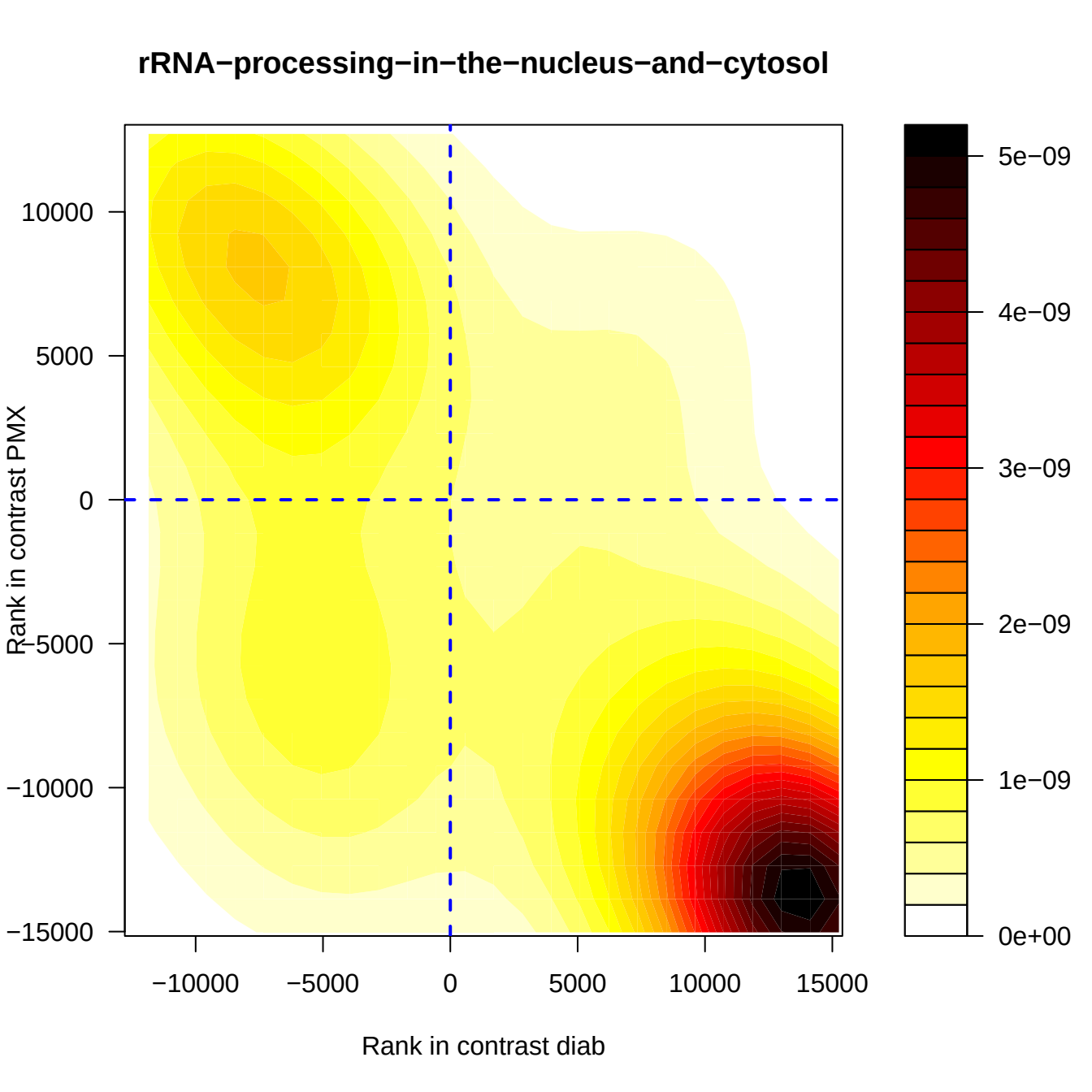

Translation
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

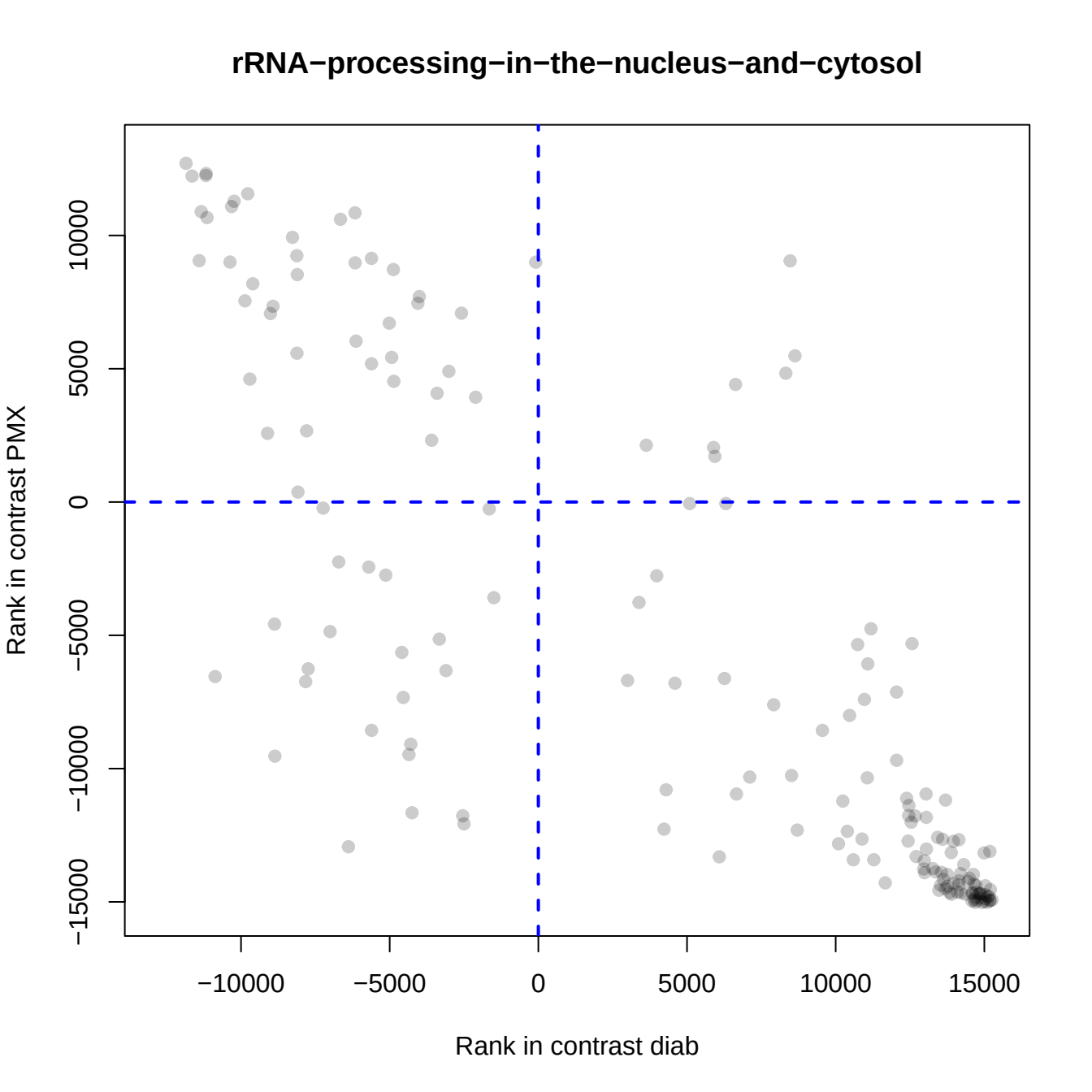

Translation
10000
0
−10000
Position in rank
diab
PMX
Var2

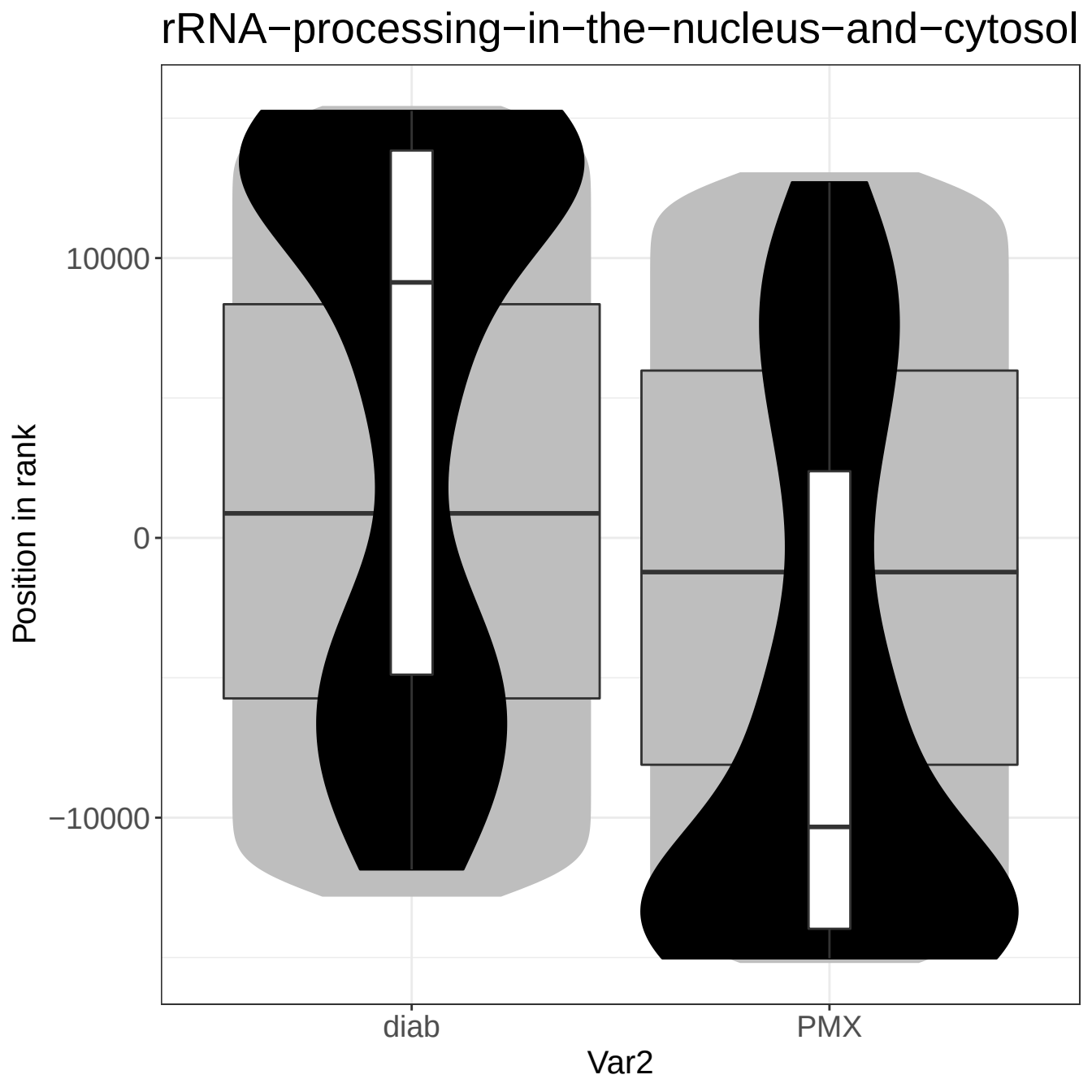

−upon−binding−of−the−cap−binding−complex−and−eIFs,−an
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

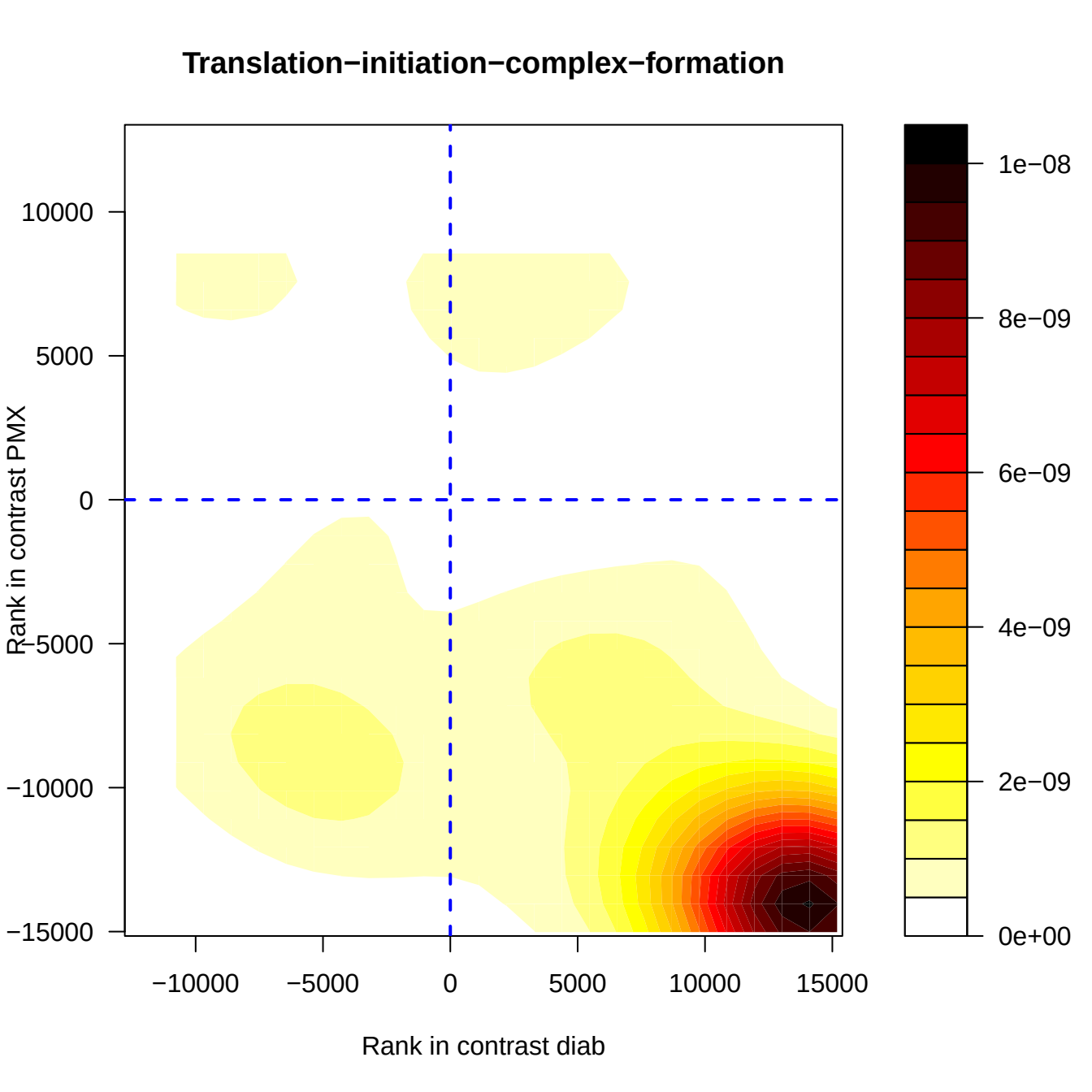

-mRNA-upon-binding-of-the-cap-binding-complex-and-eIFs,-and-subse
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

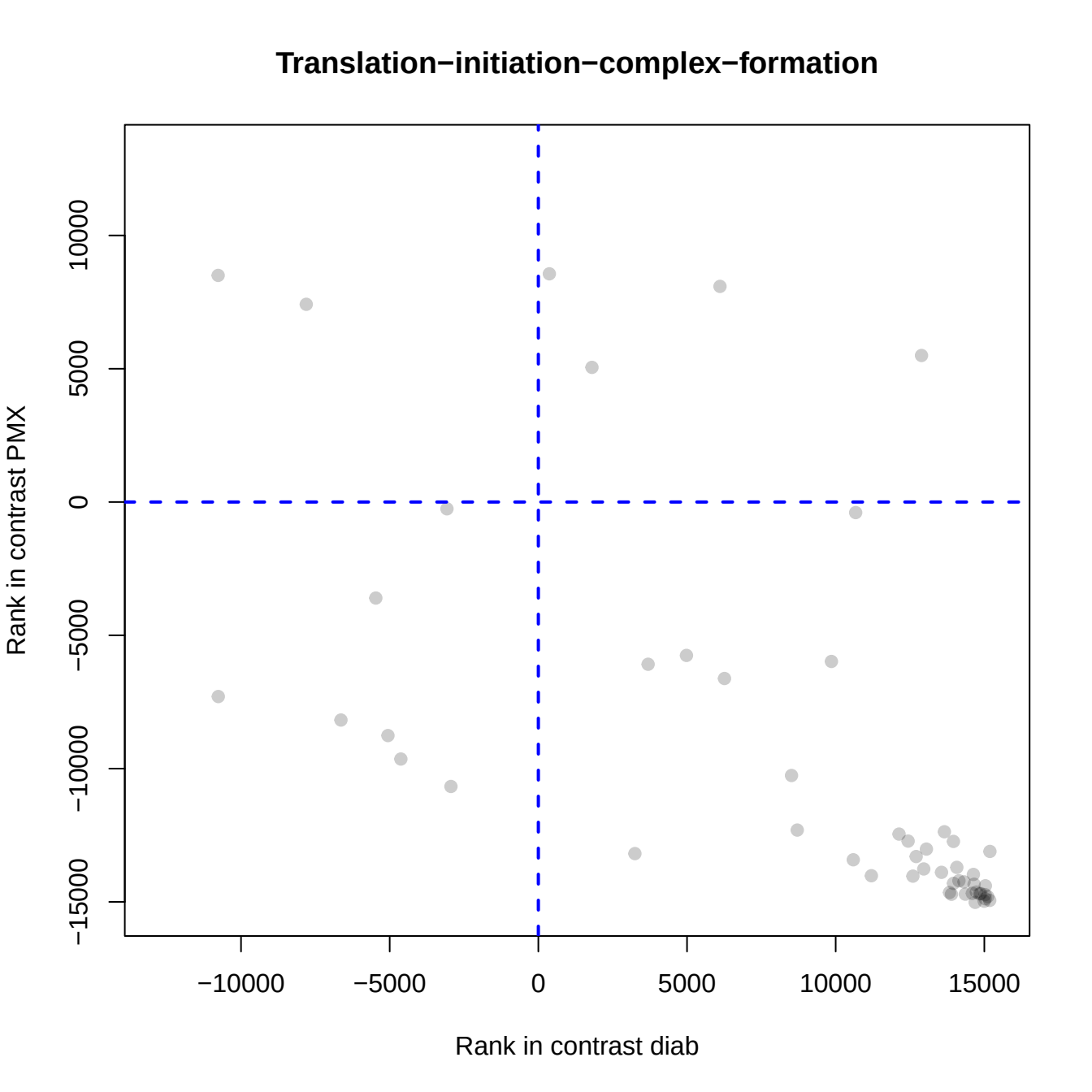

Activation−of−the−mRNA−upon−binding−of−the−
10000
0
−10000
Position in rank
diab
PMX
Var2

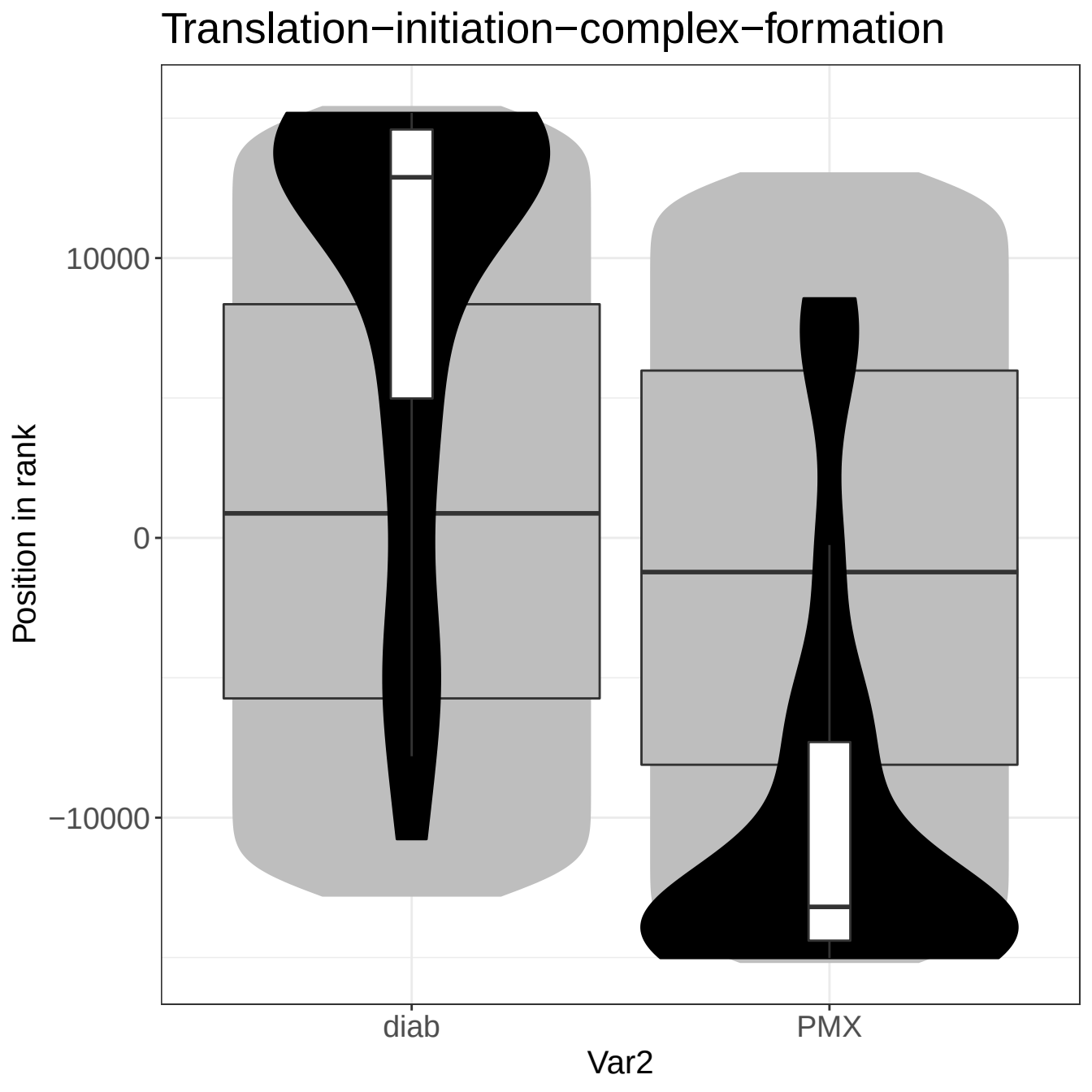

rRNA−processing−in−the−nucleus−and−cytosol
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

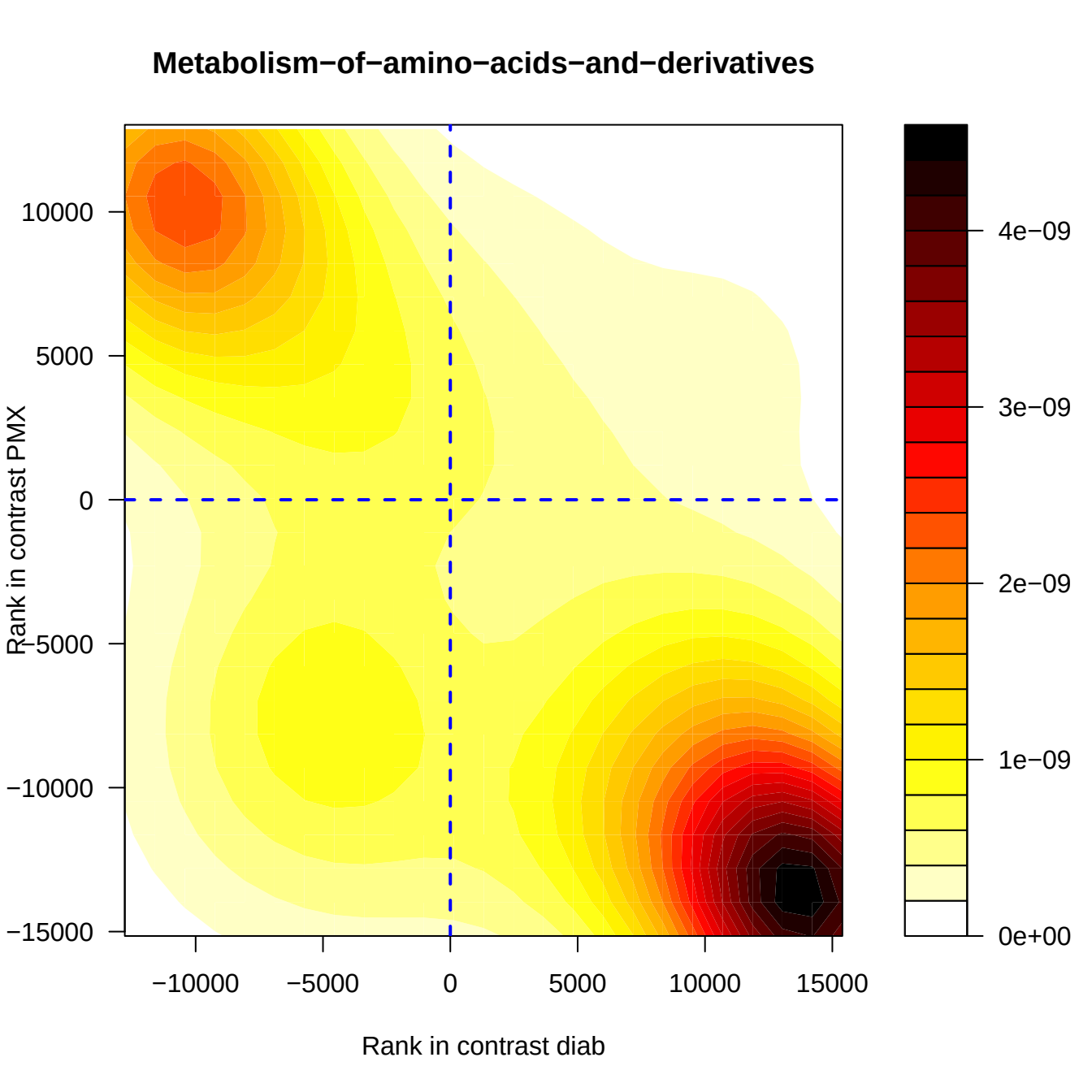

rRNA−processing−in−the−nucleus−and−cytosol
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

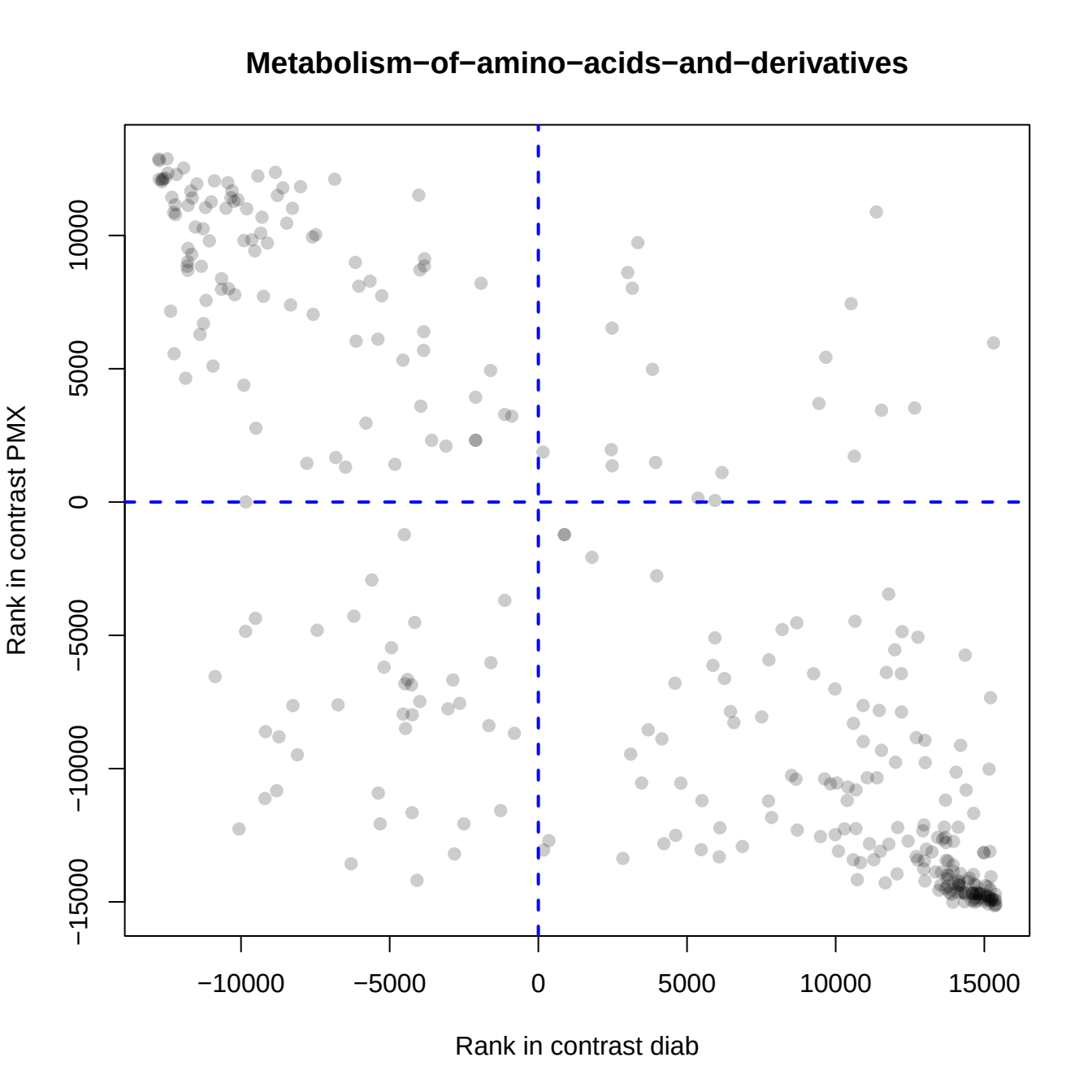

rRNA−processing−in−the−nucleus−and−cytosol
10000
0
−10000
Position in rank
diab
PMX
Var2

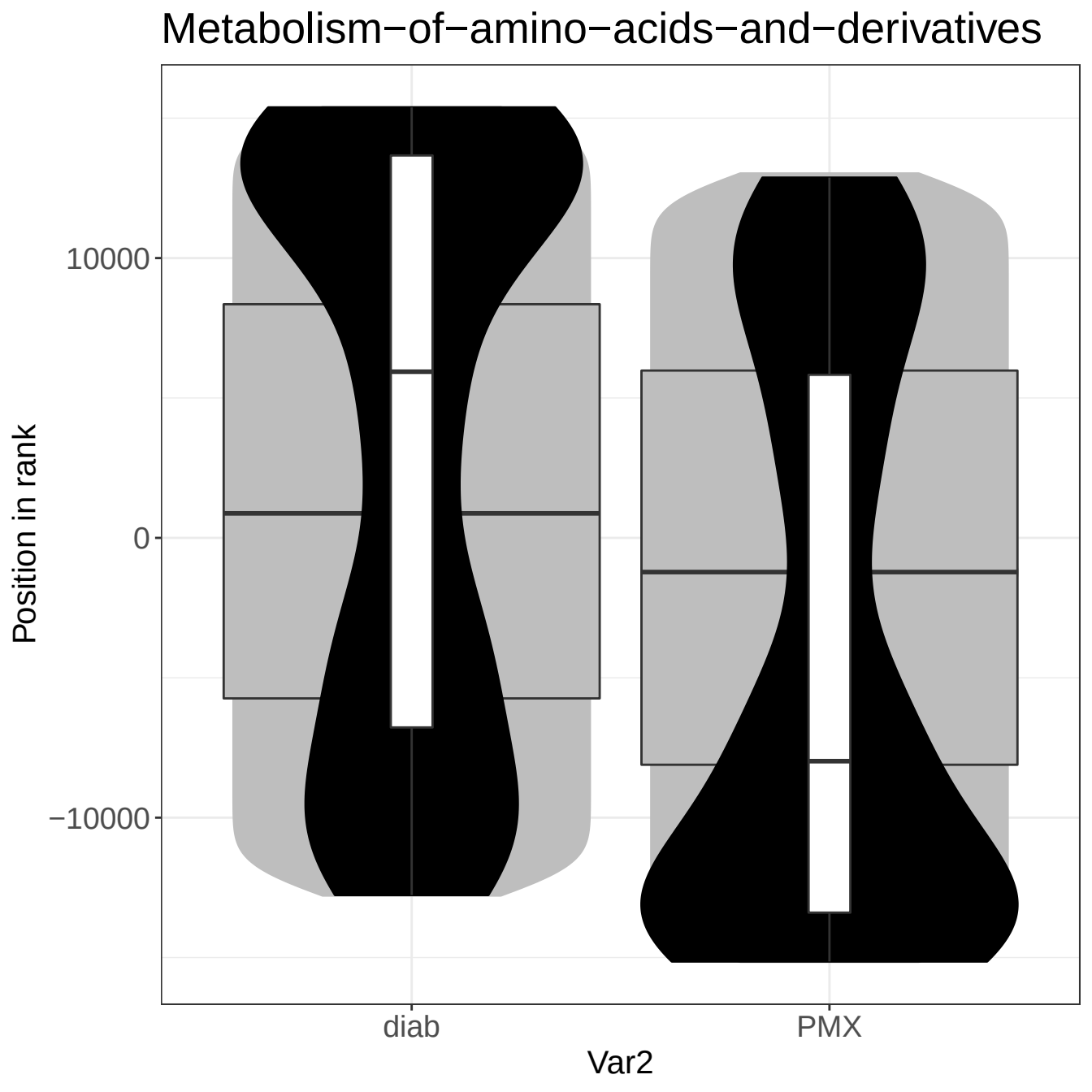

Translation−initiation−complex−formation
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
1e−08
8e−09
6e−09
4e−09
2e−09
0e+00

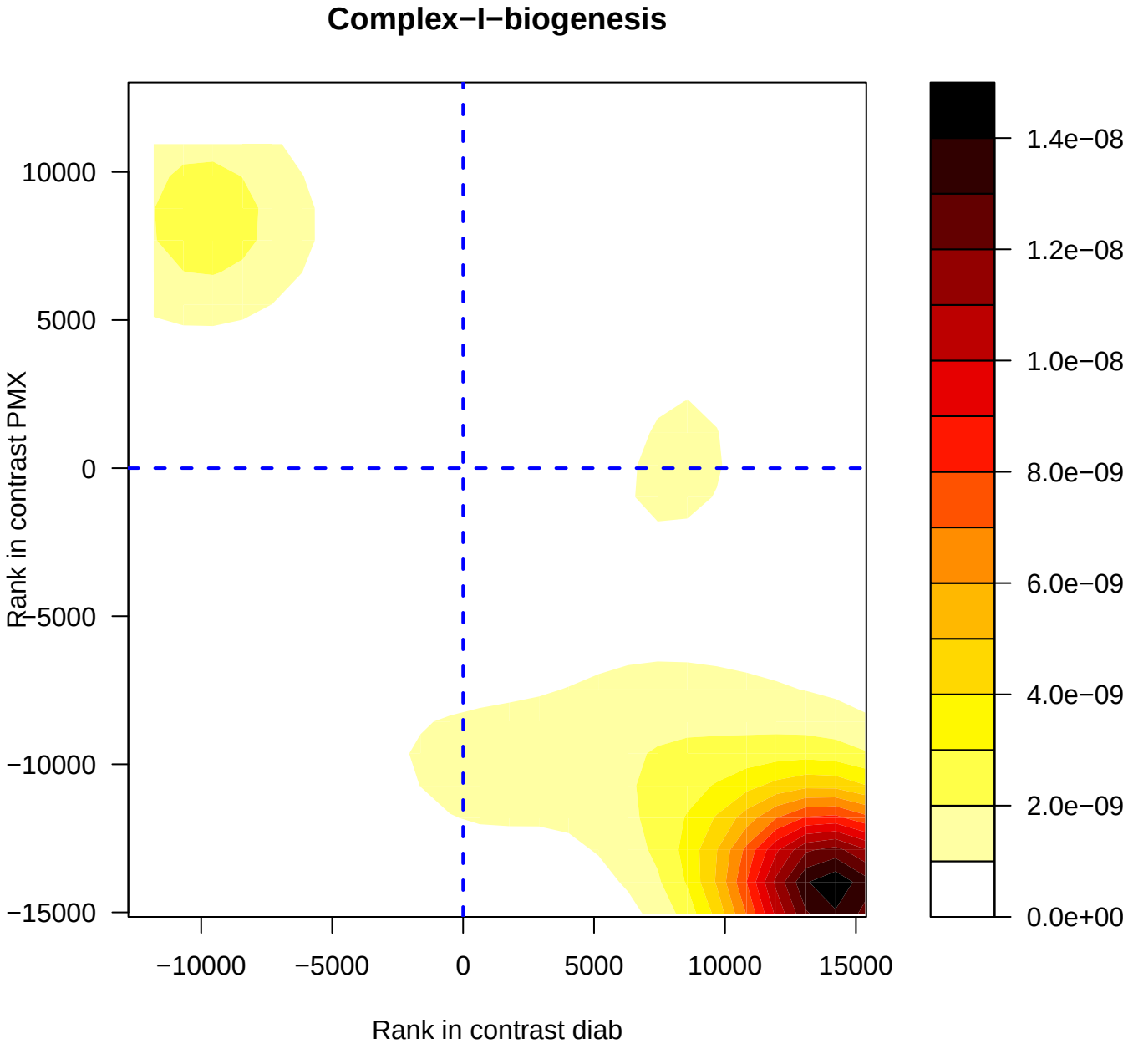

Translation−initiation−complex−formation
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

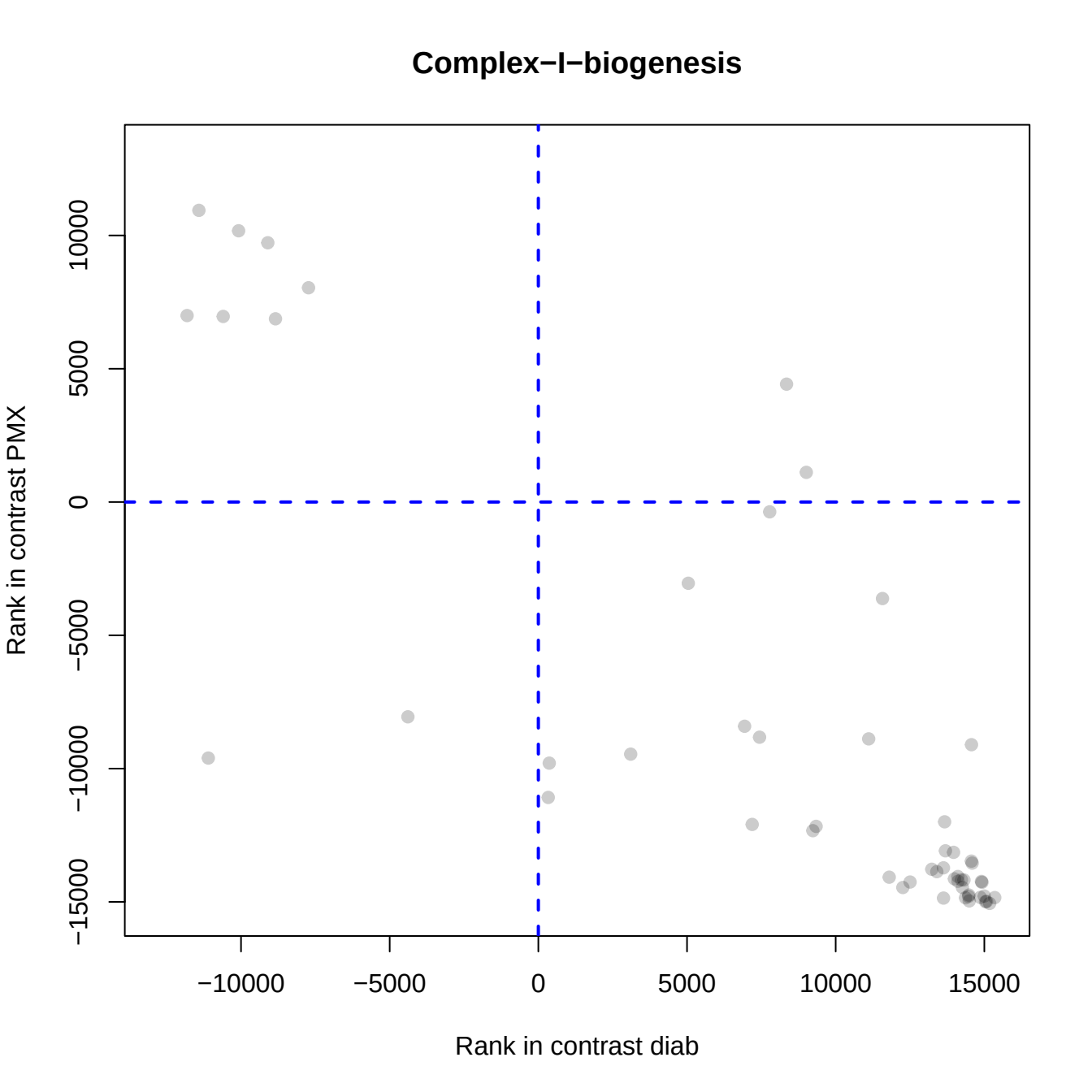

Translation−initiation−complex−formation
10000
0
−10000
Position in rank
diab
PMX
Var2

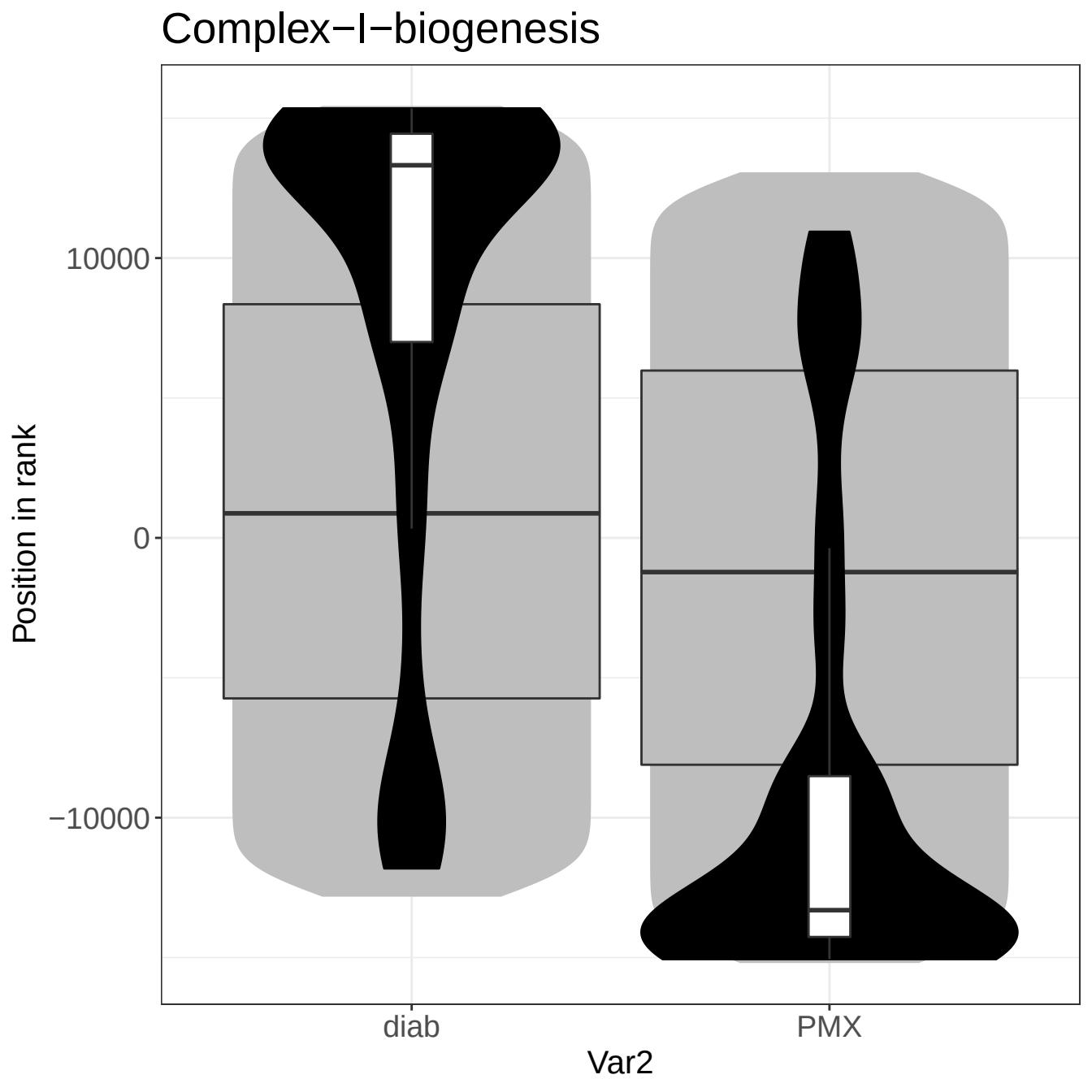

Metabolism−of−amino−acids−and−derivatives
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00

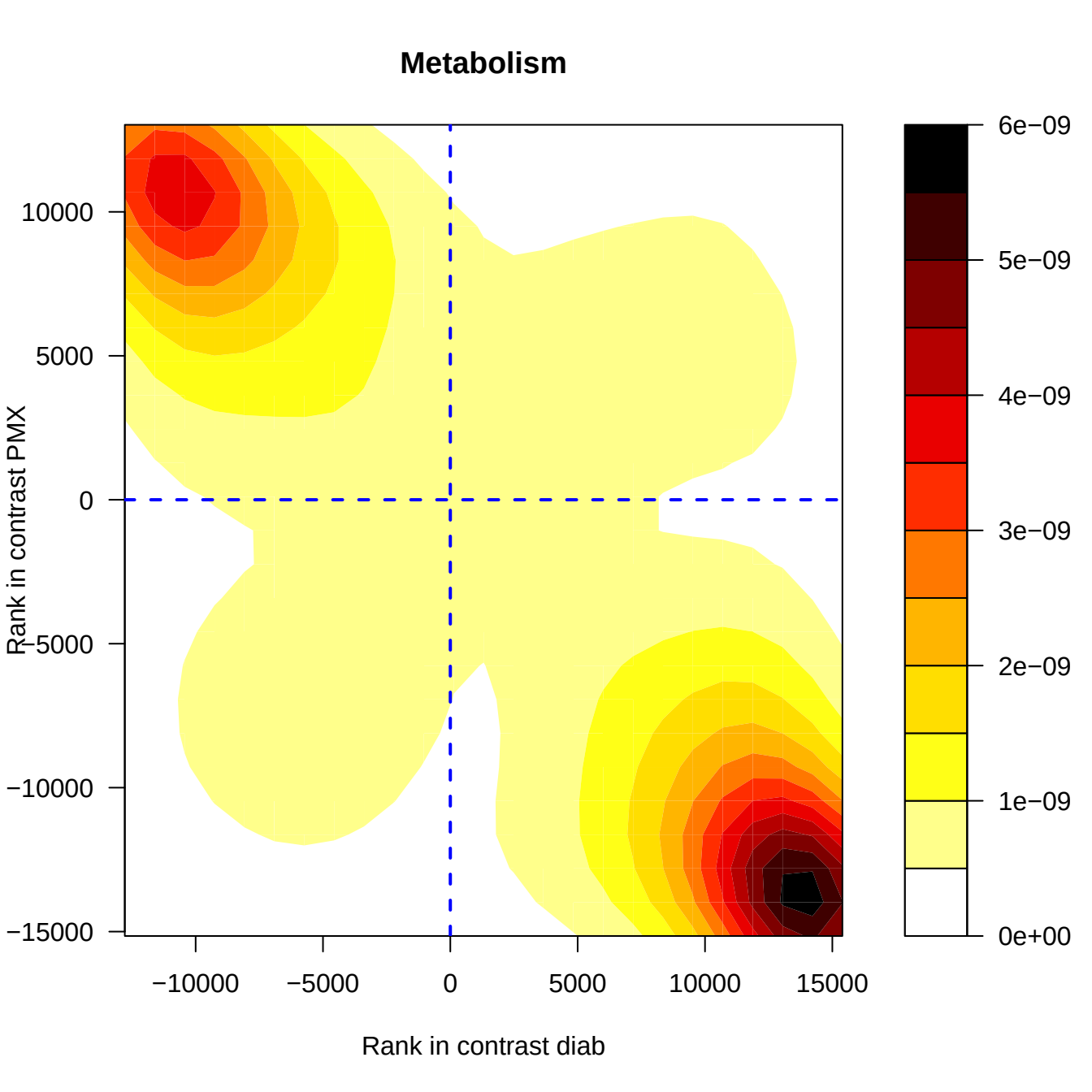

Metabolism−of−amino−acids−and−derivatives
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

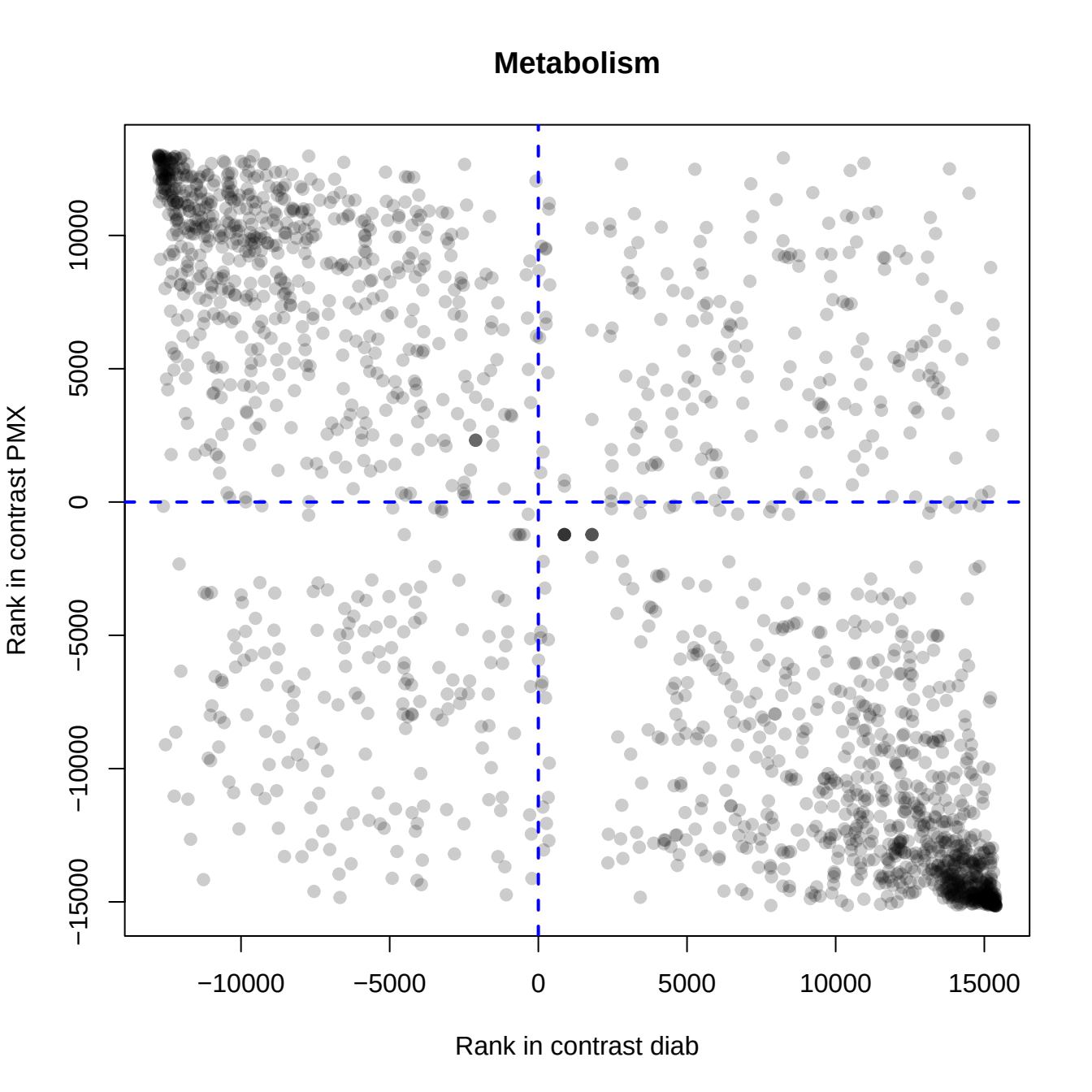

Metabolism−of−amino−acids−and−derivatives
10000
0
−10000
Position in rank
diab
PMX
Var2

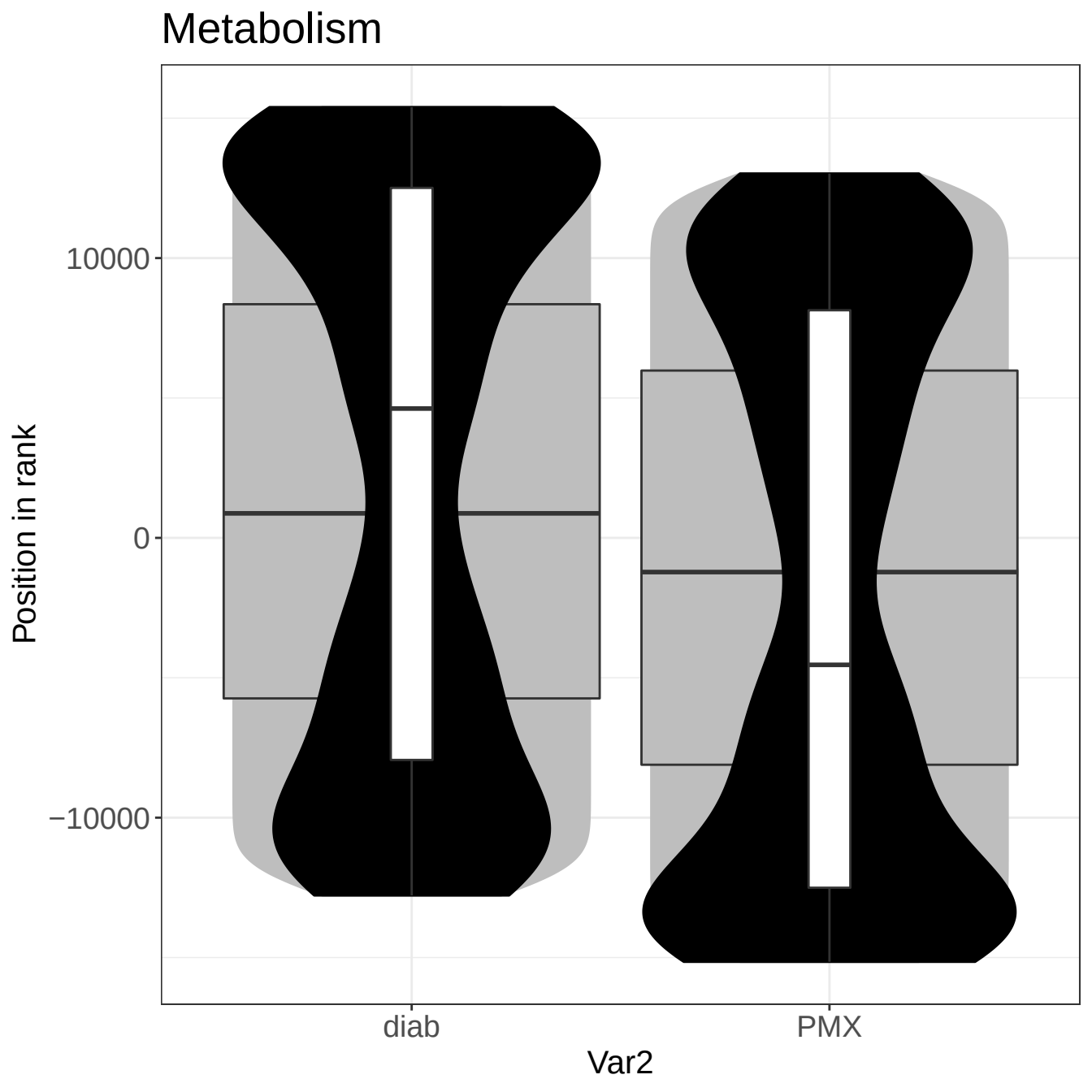

Complex−I−biogenesis
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1.4e−08
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

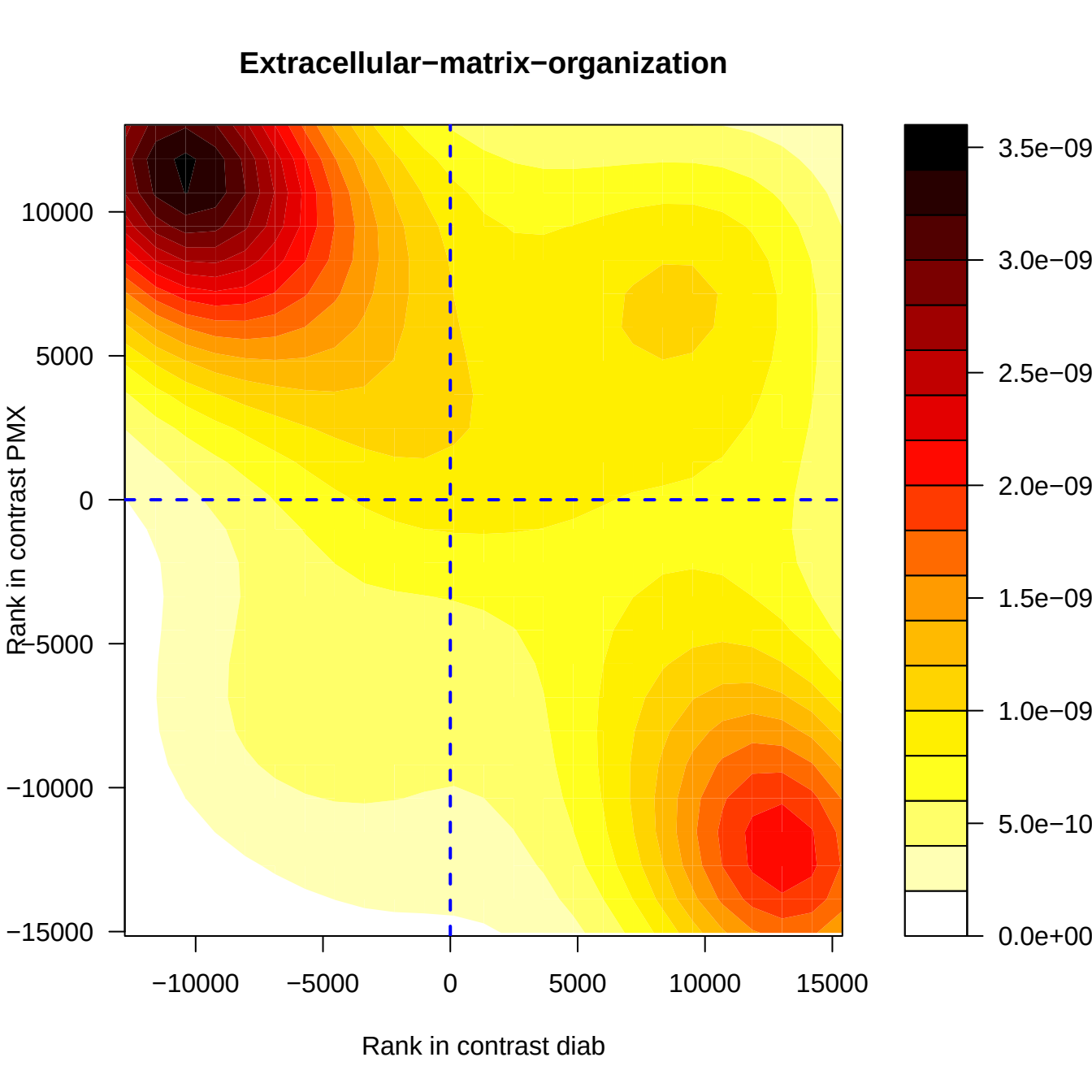

Complex−I−biogenesis
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

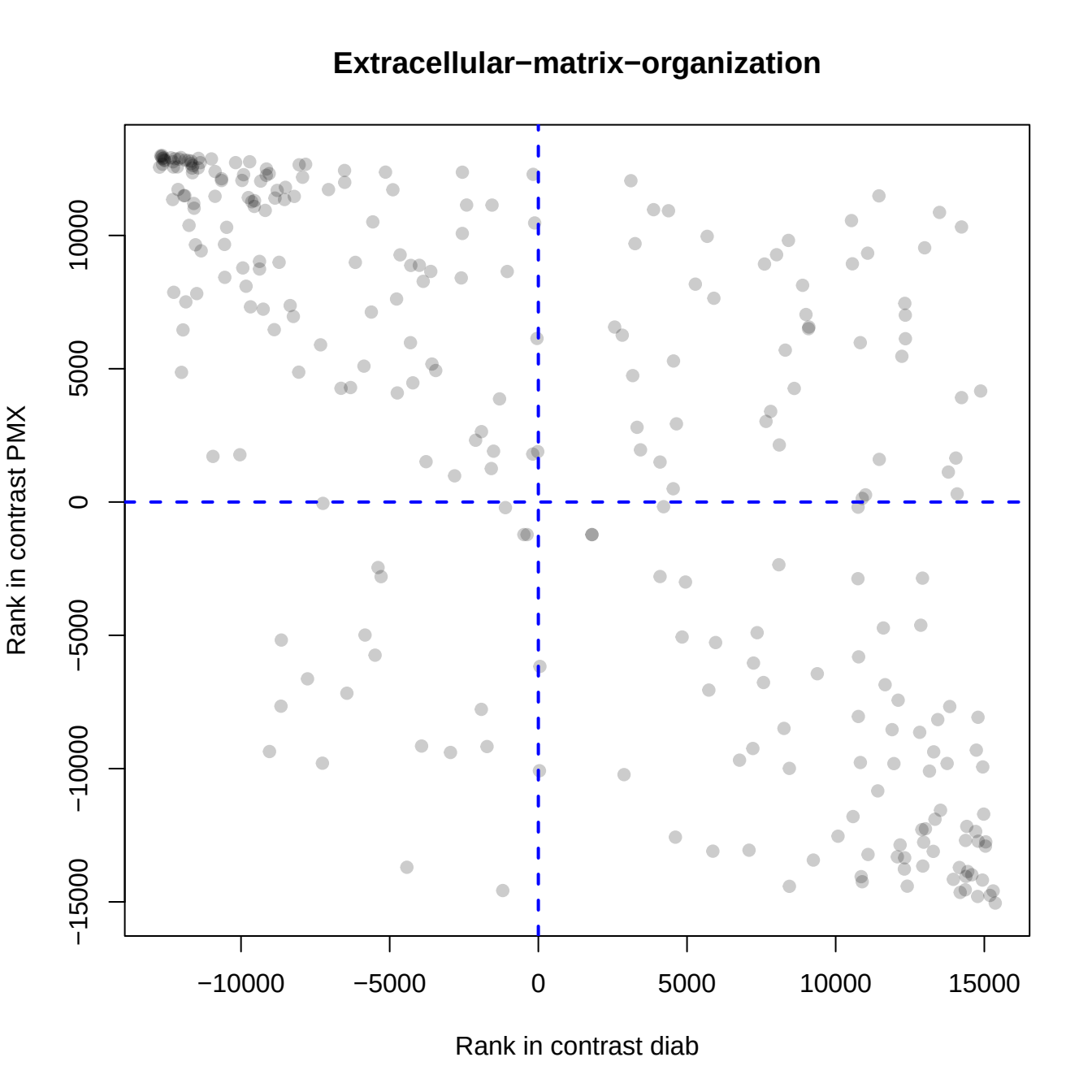

Complex−I−biogenesis
10000
0
−10000
Position in rank
diab
PMX
Var2

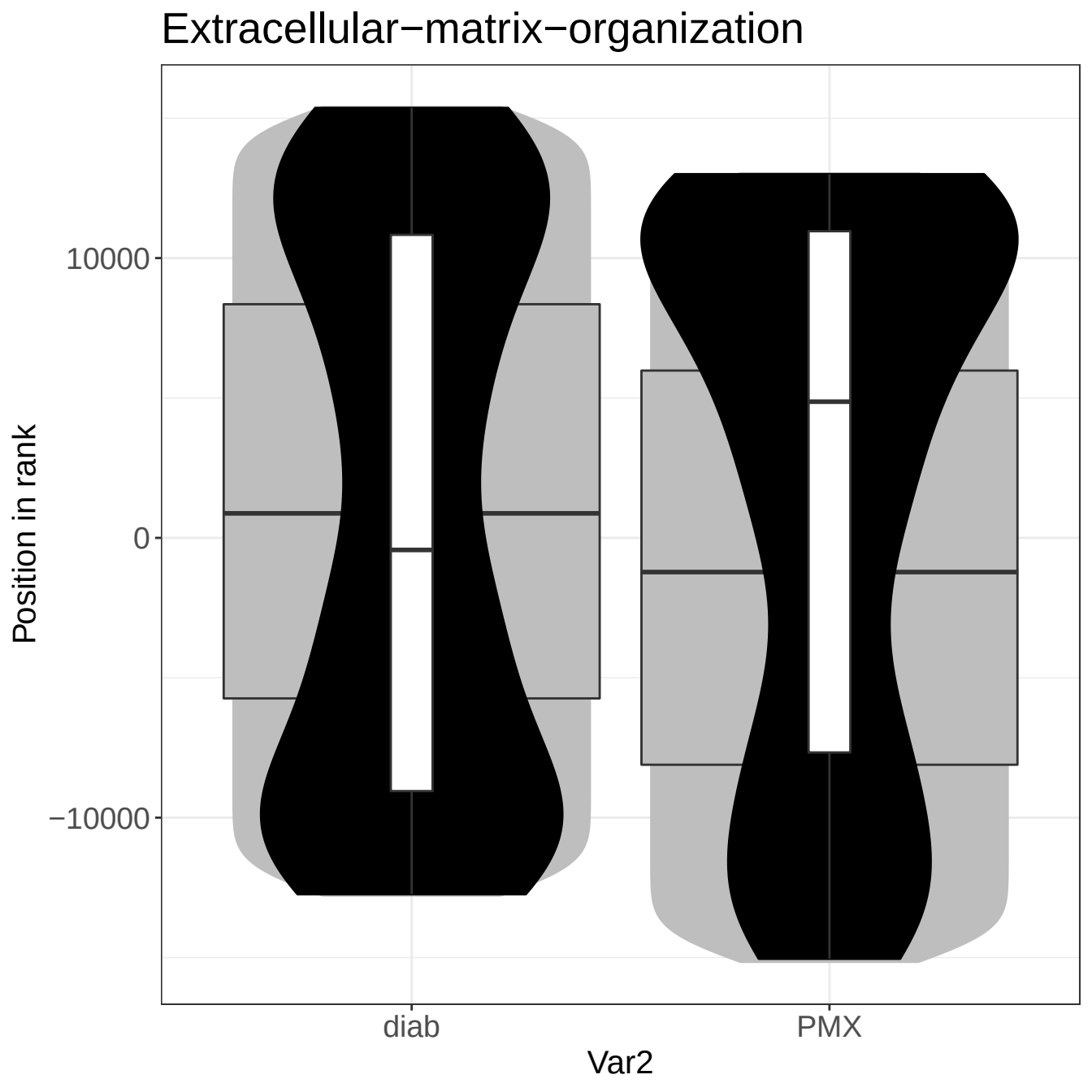

Metabolism
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
6e−09
5e−09
4e−09
3e−09
2e−09
1e−09
0e+00

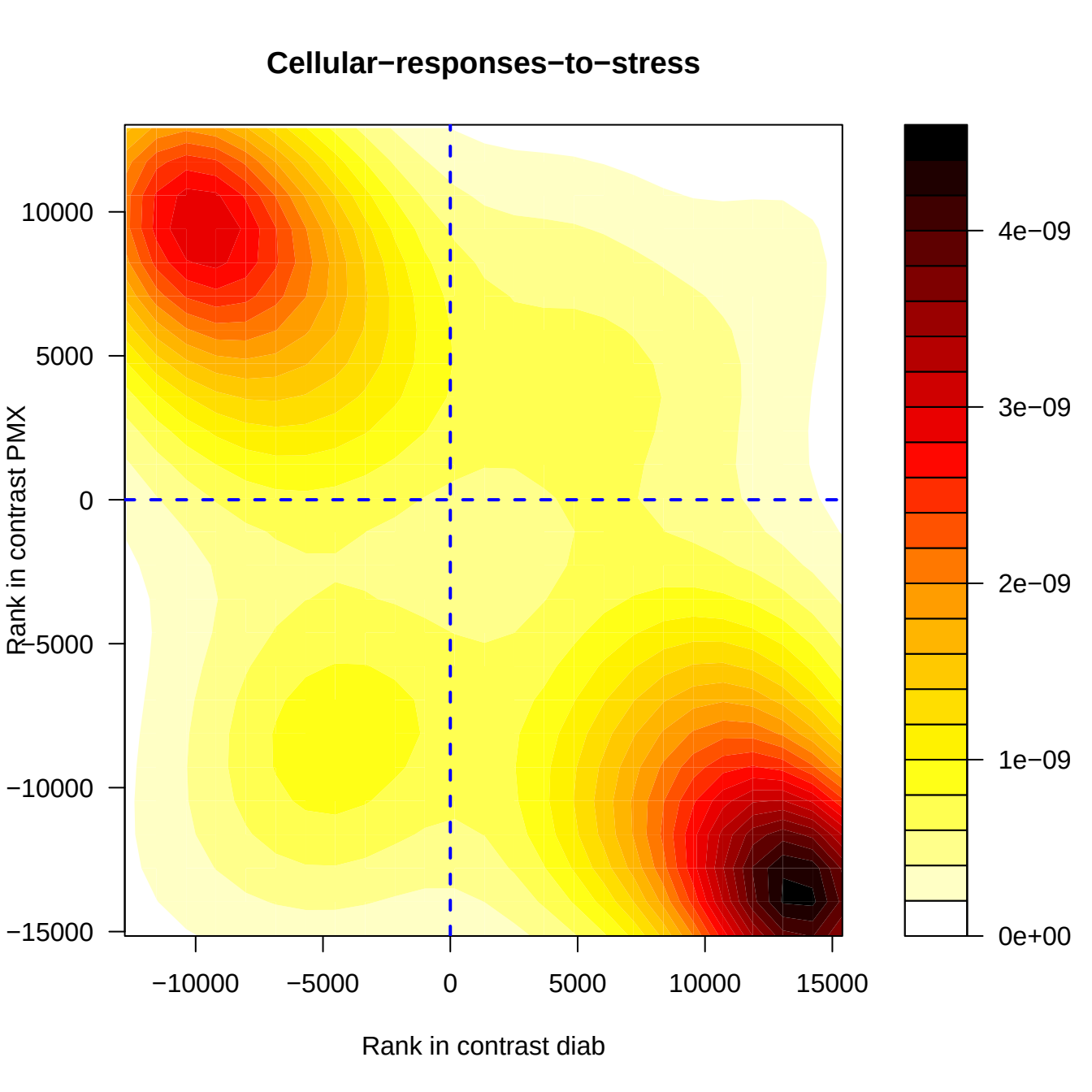

Metabolism
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

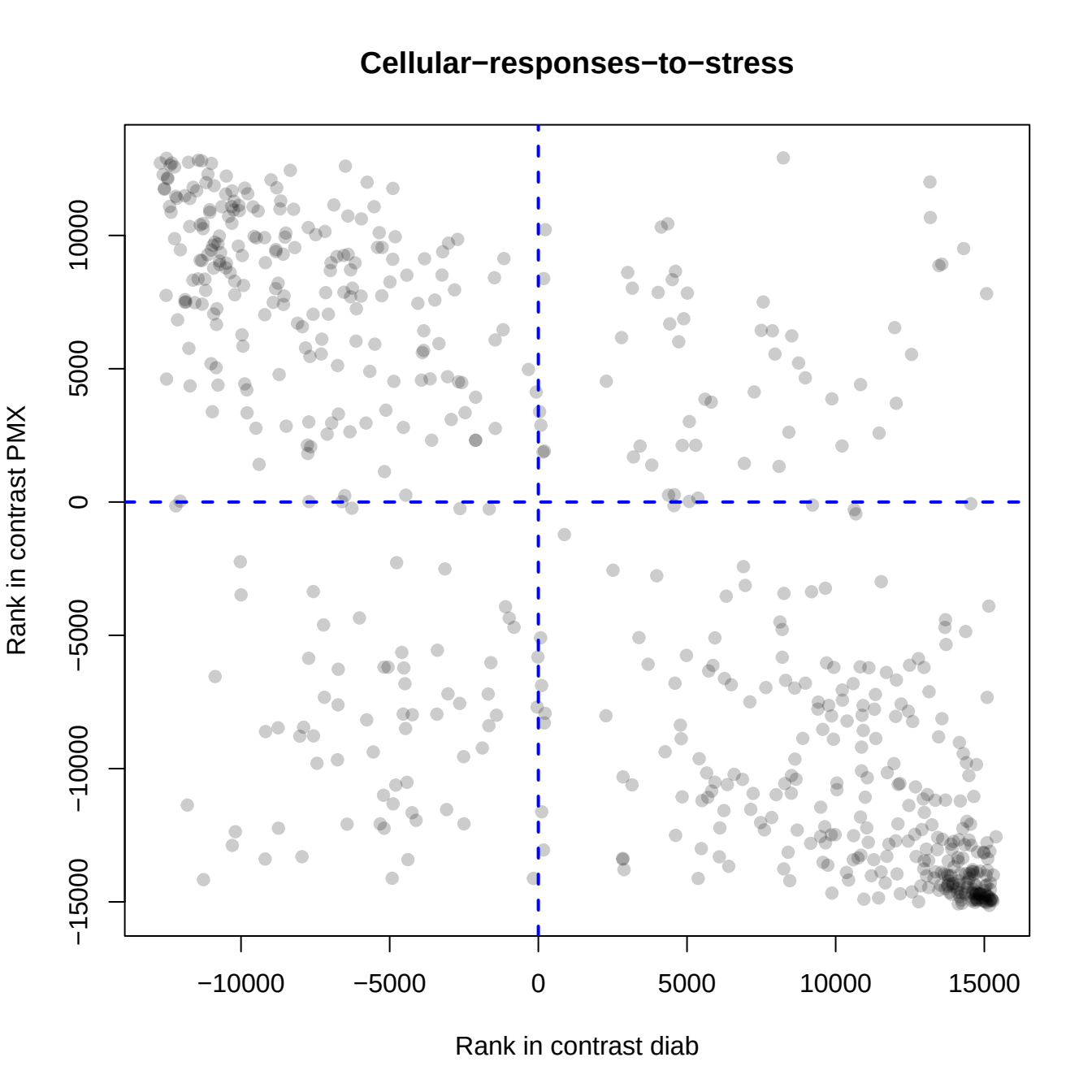

Metabolism
10000
0
−10000
Position in rank
diab
PMX
Var2

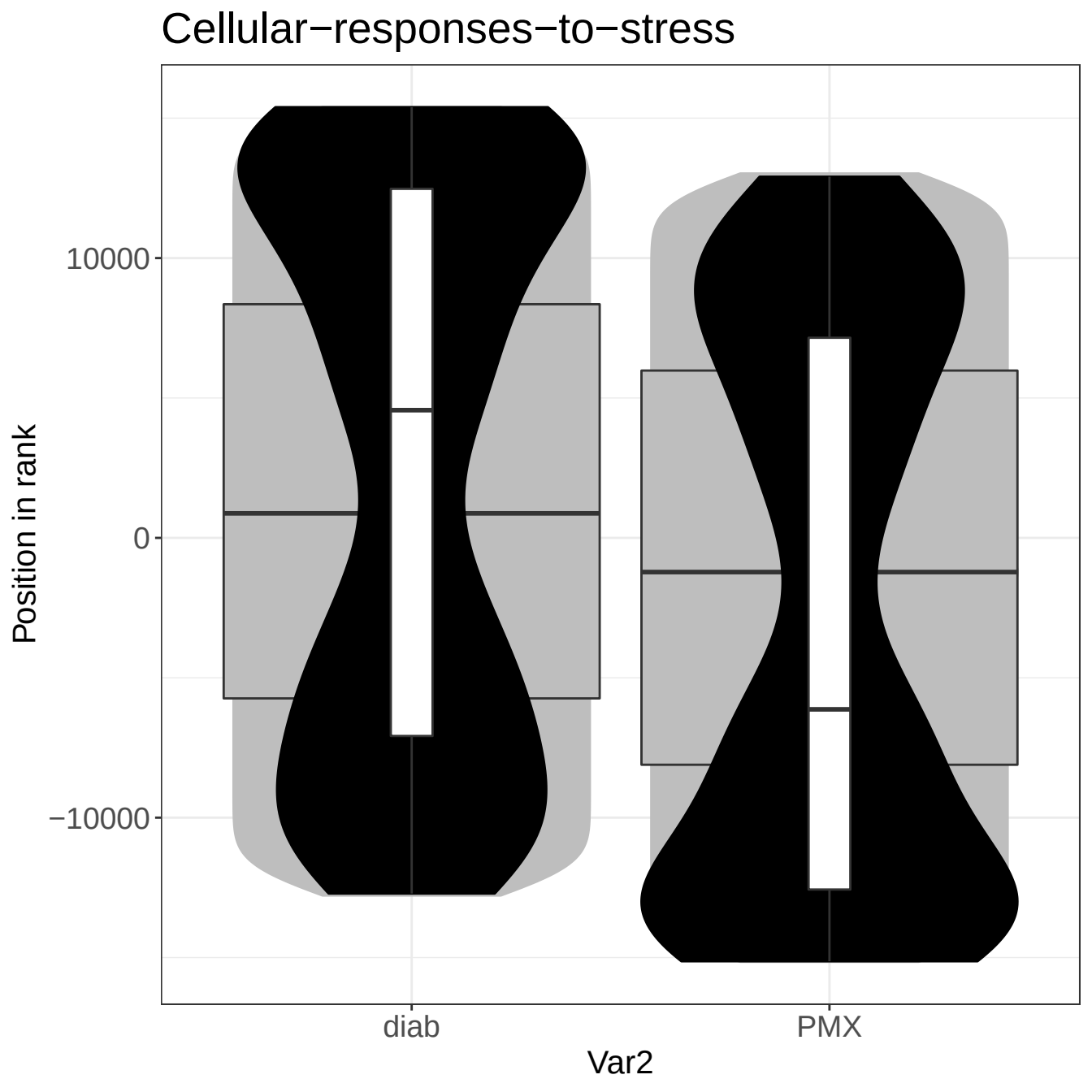

Extracellular−matrix−organization
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
3.5e−09
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

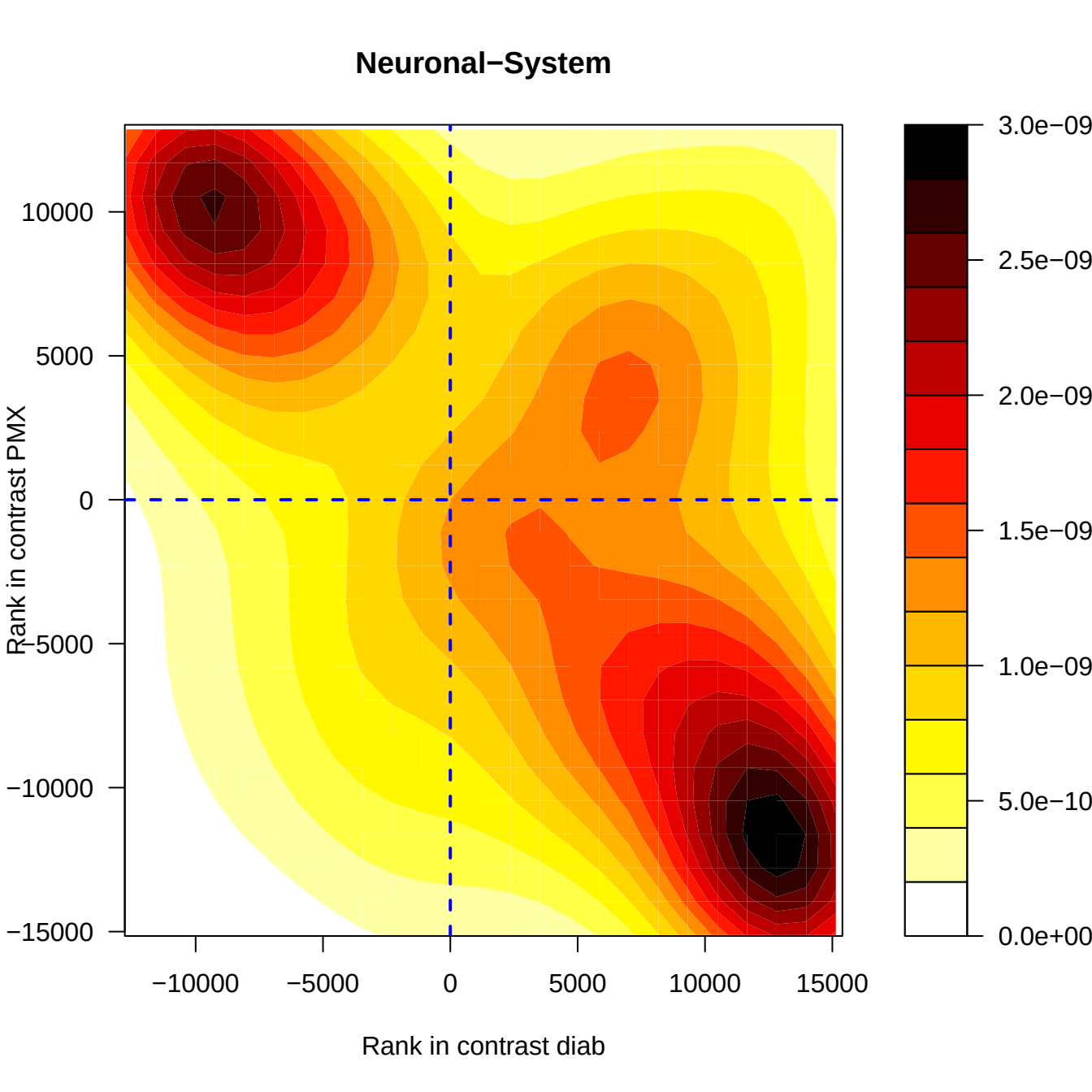

Extracellular−matrix−organization
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

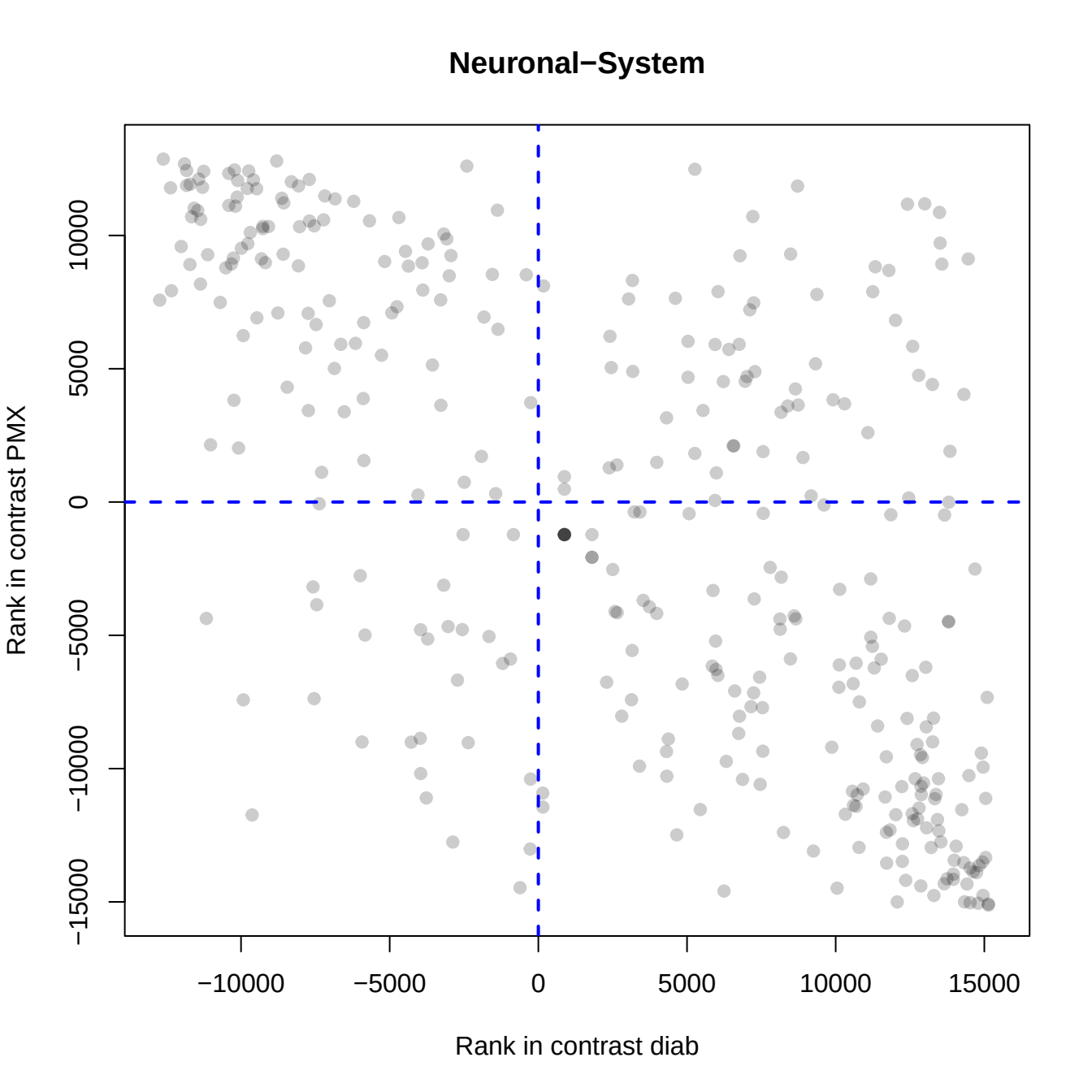

Extracellular−matrix−organization
10000
0
−10000
Position in rank
diab
PMX
Var2

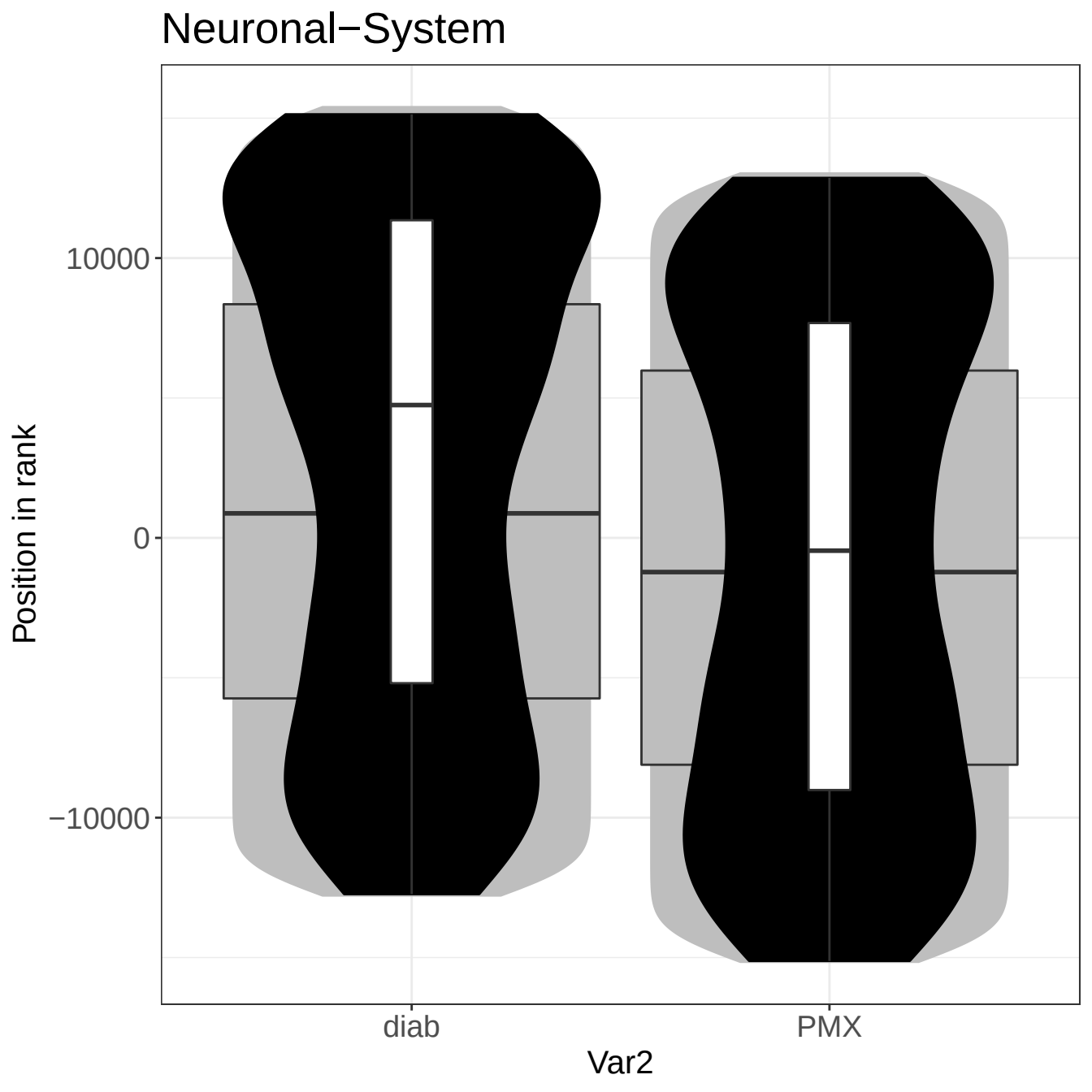

Cellular−responses−to−stress
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00

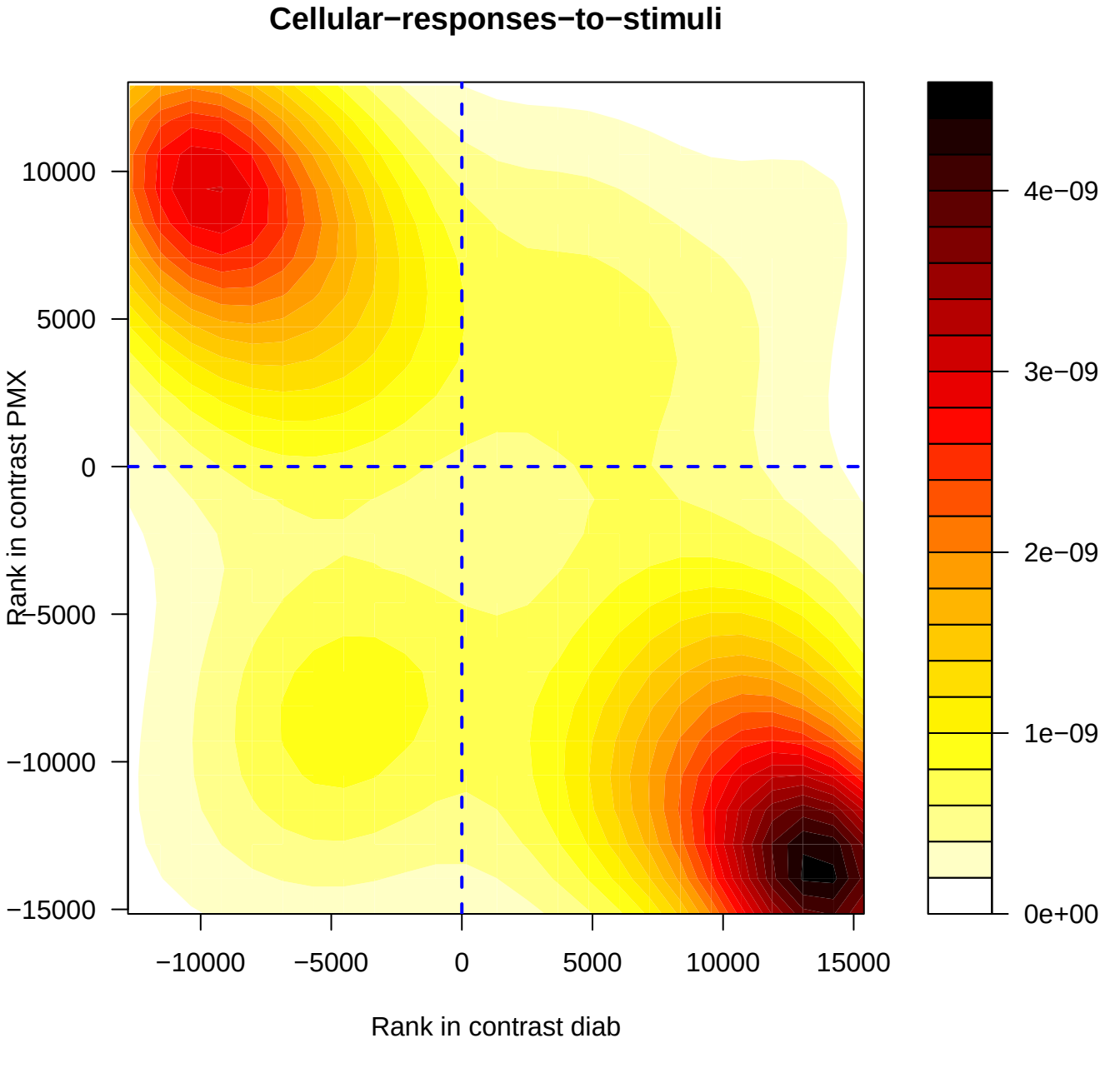

Cellular−responses−to−stress
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

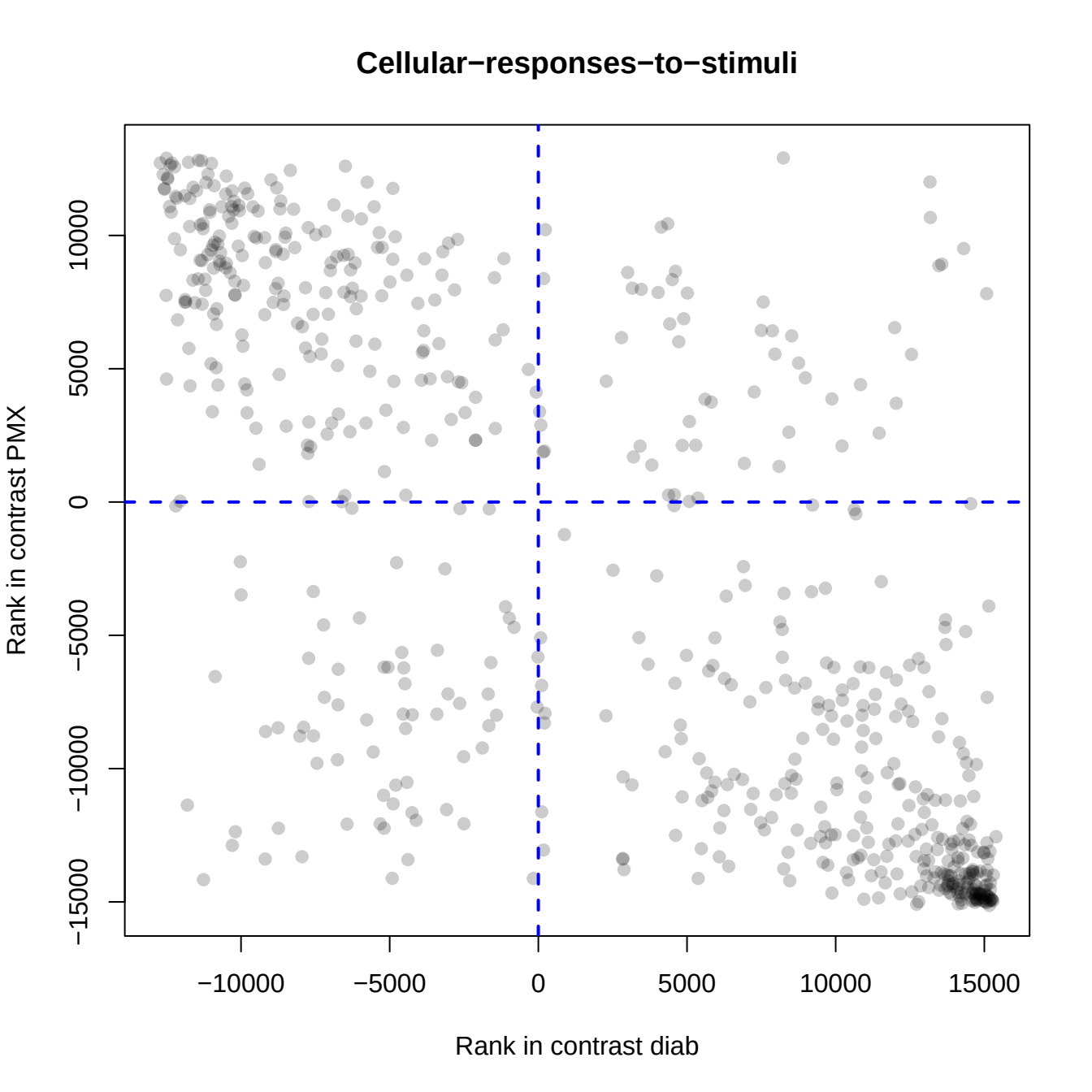

Cellular−responses−to−stress
10000
0
−10000
Position in rank
diab
PMX
Var2

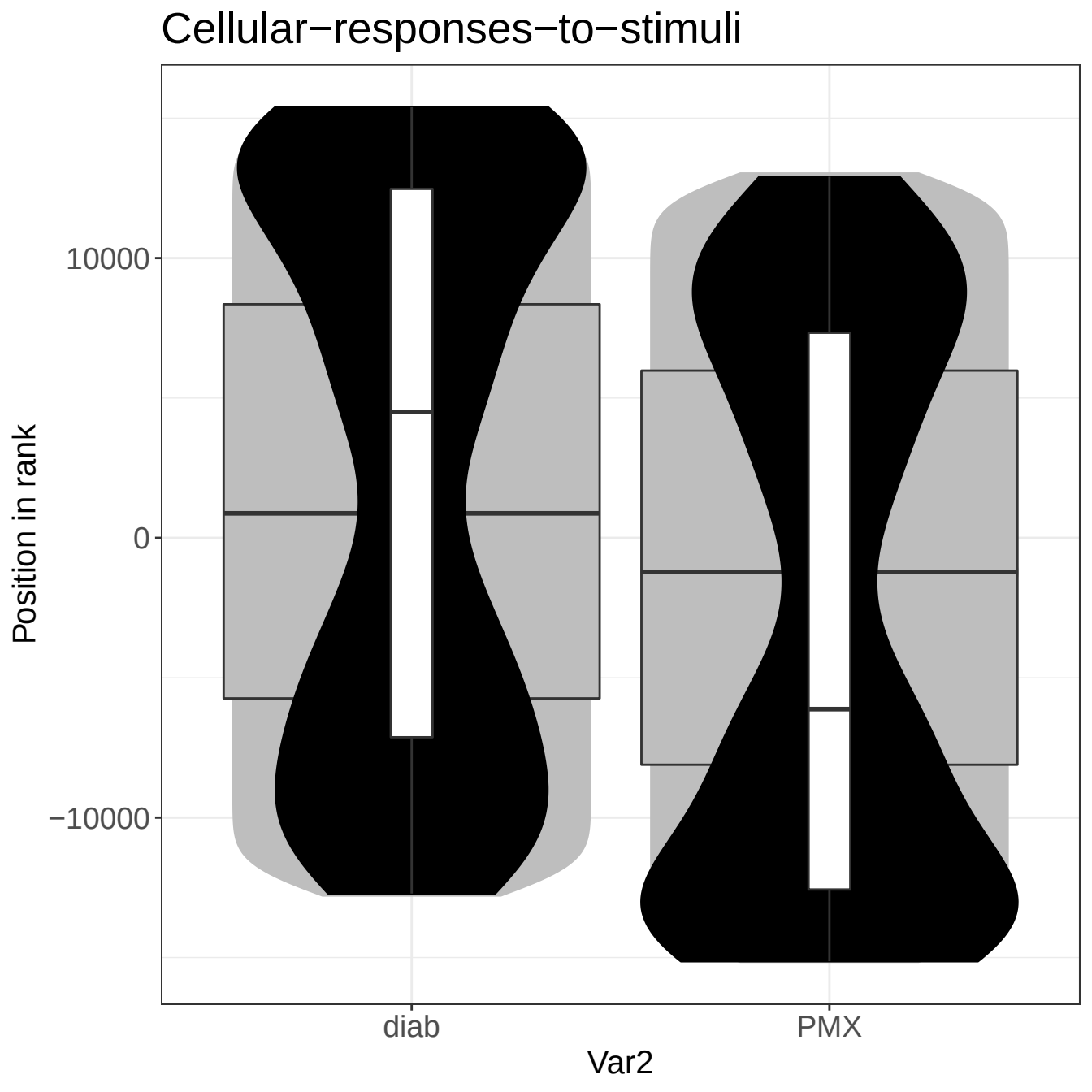

Neuronal−System
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

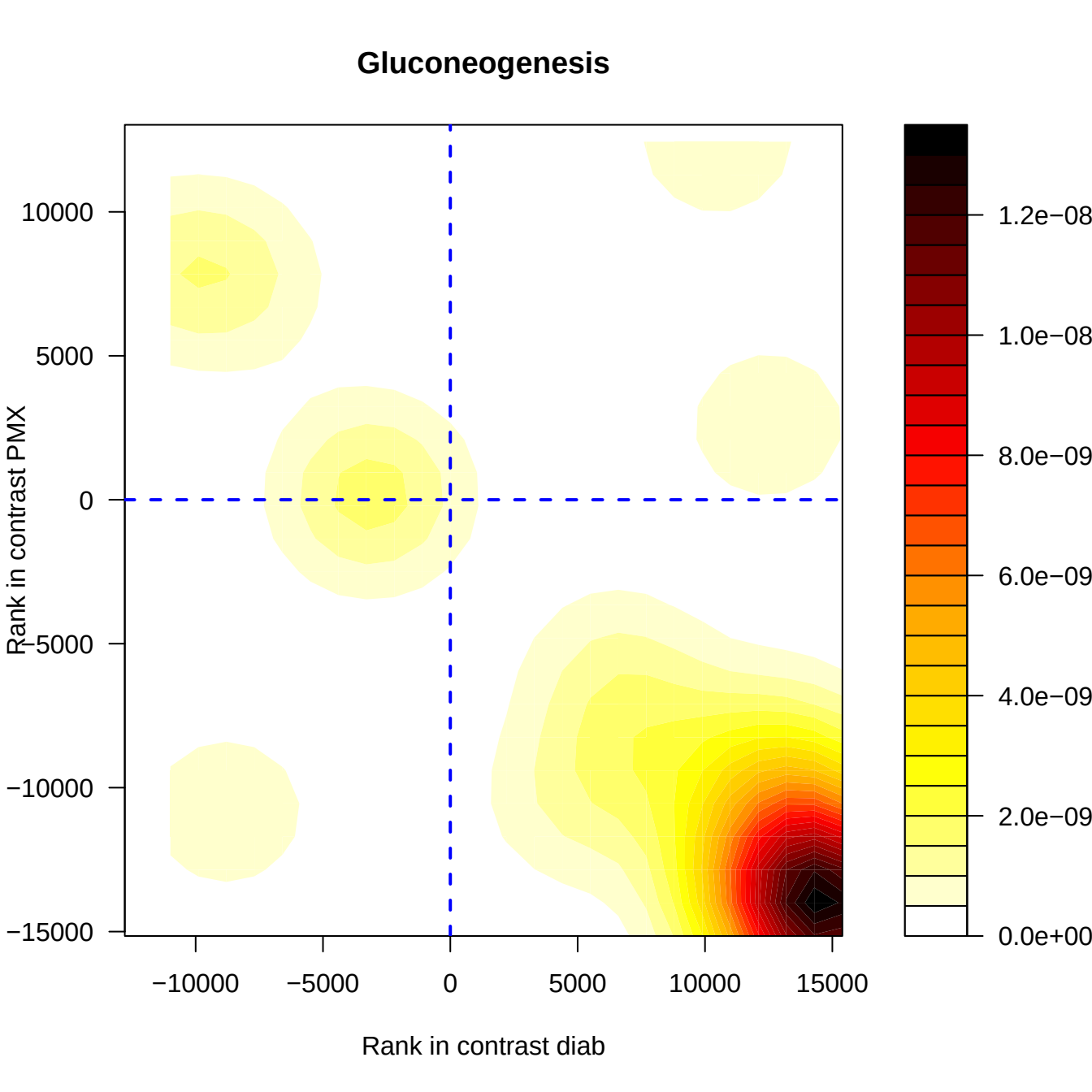

Neuronal−System
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

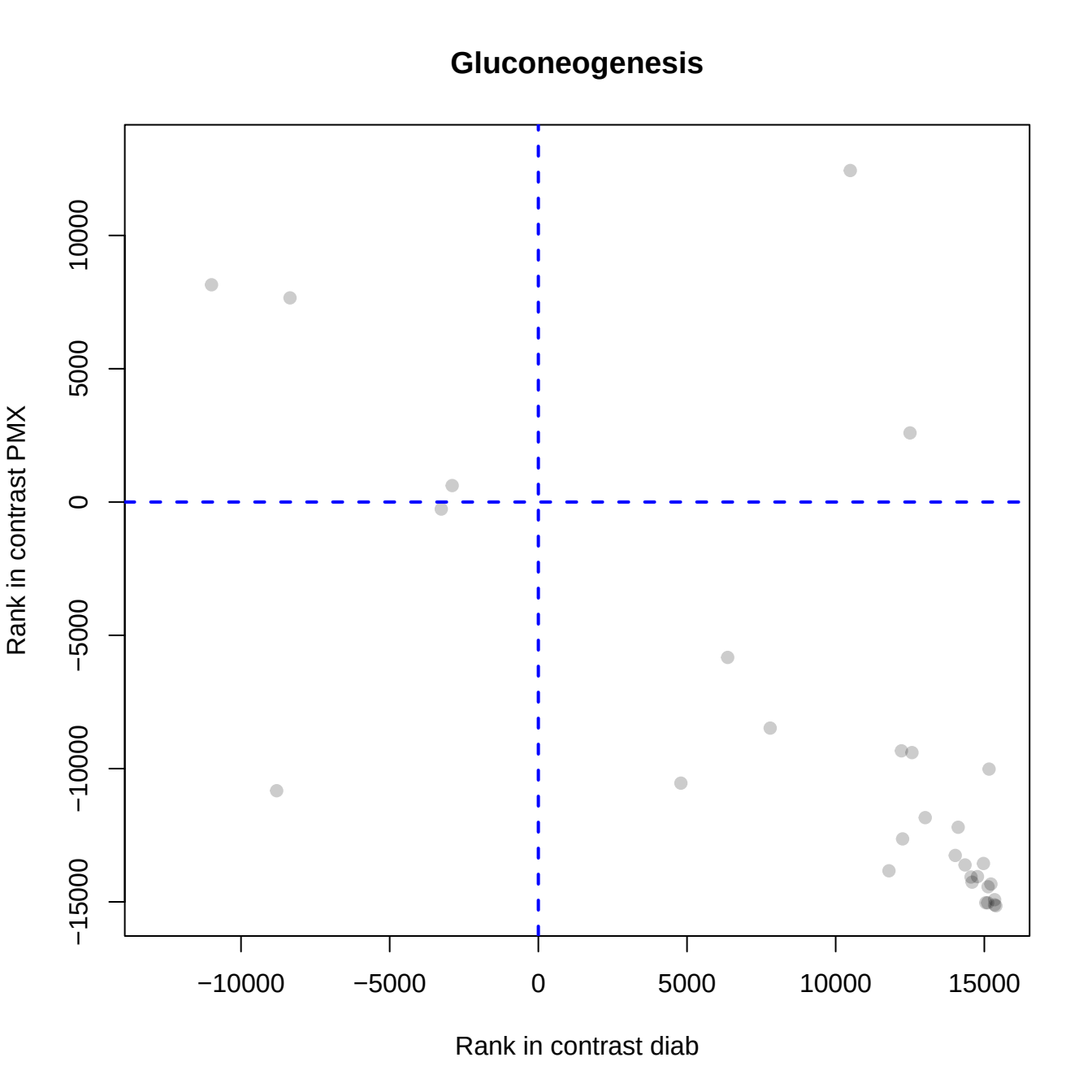

Neuronal−System
10000
0
−10000
Position in rank
diab
PMX
Var2

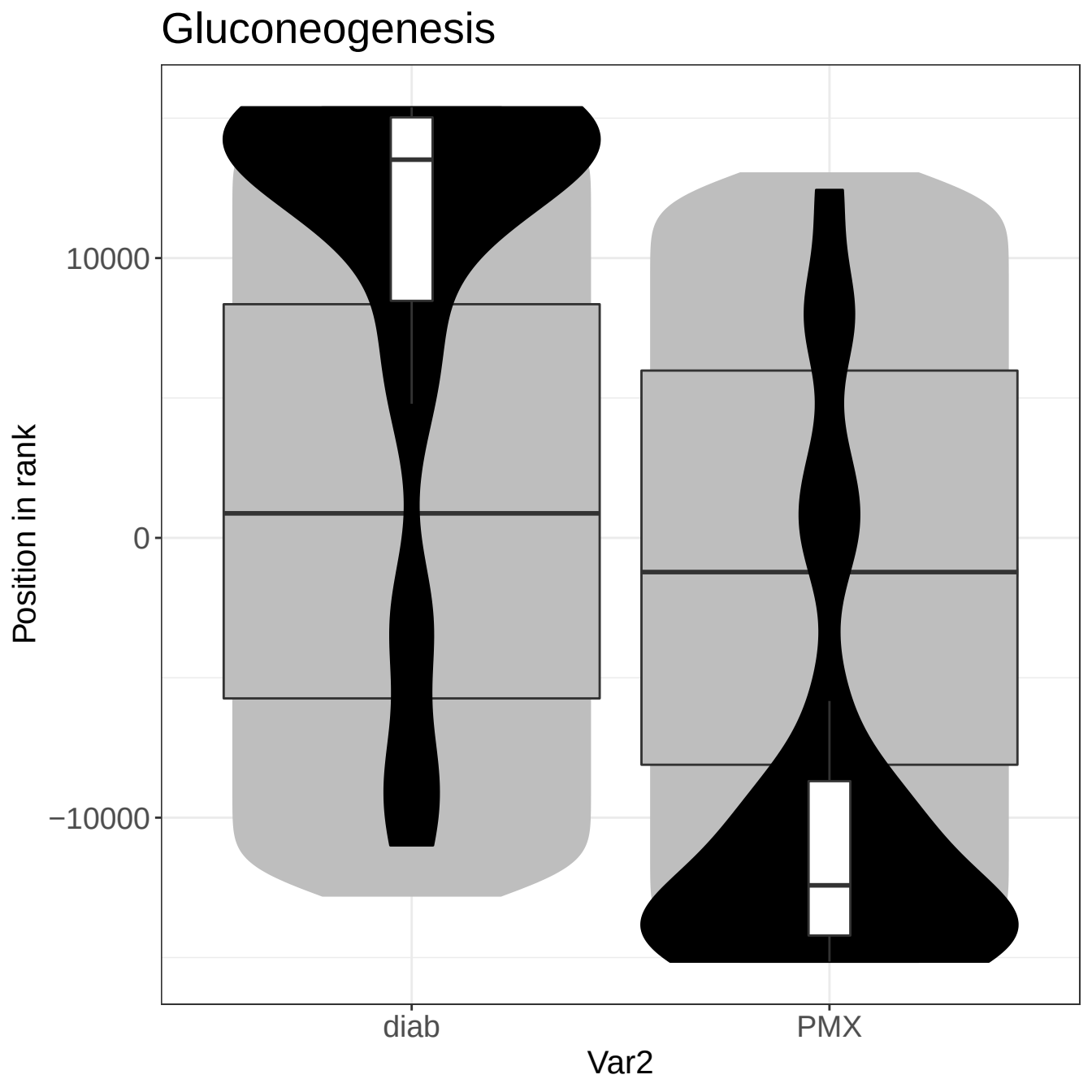

Cellular−responses−to−stimuli
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00

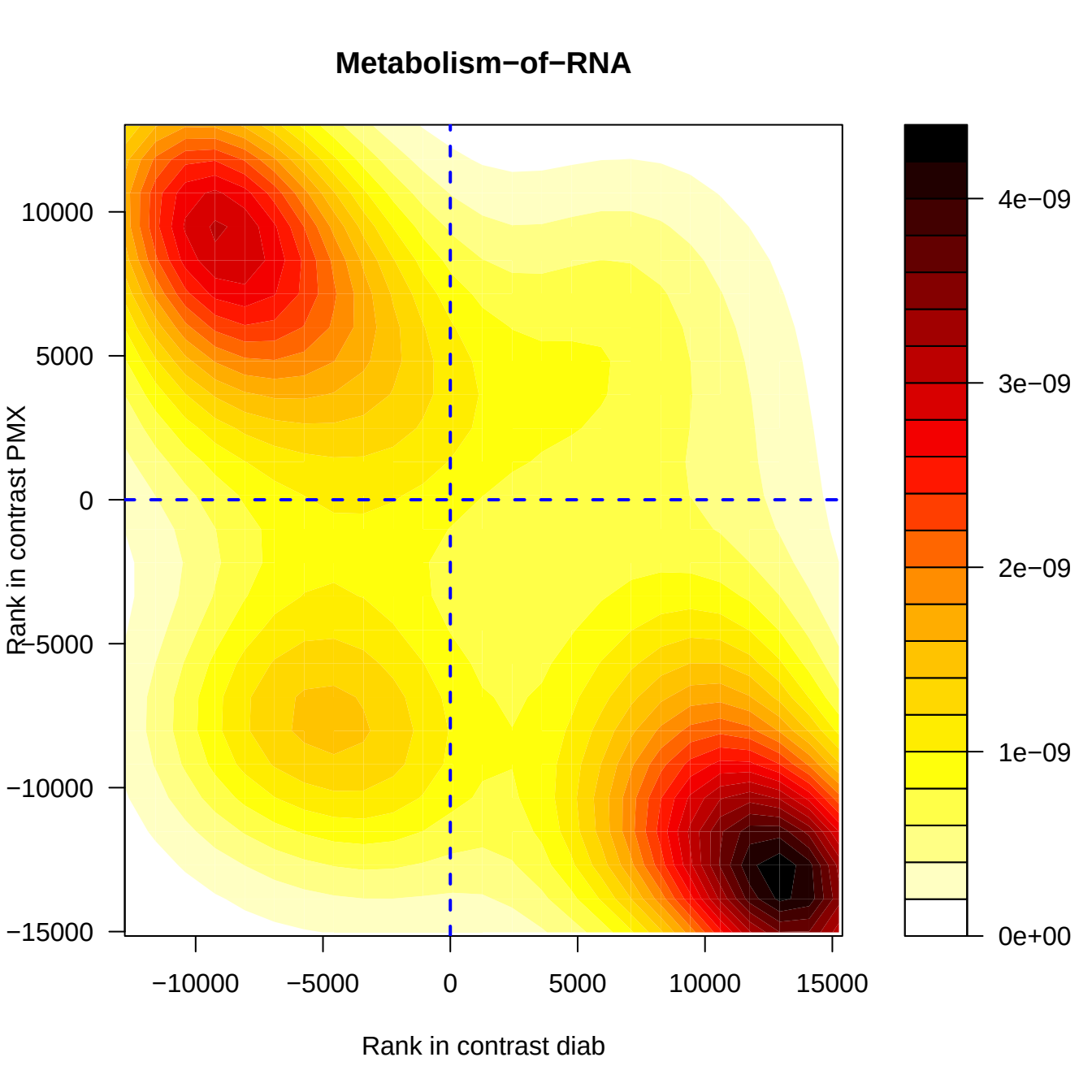

Cellular−responses−to−stimuli
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

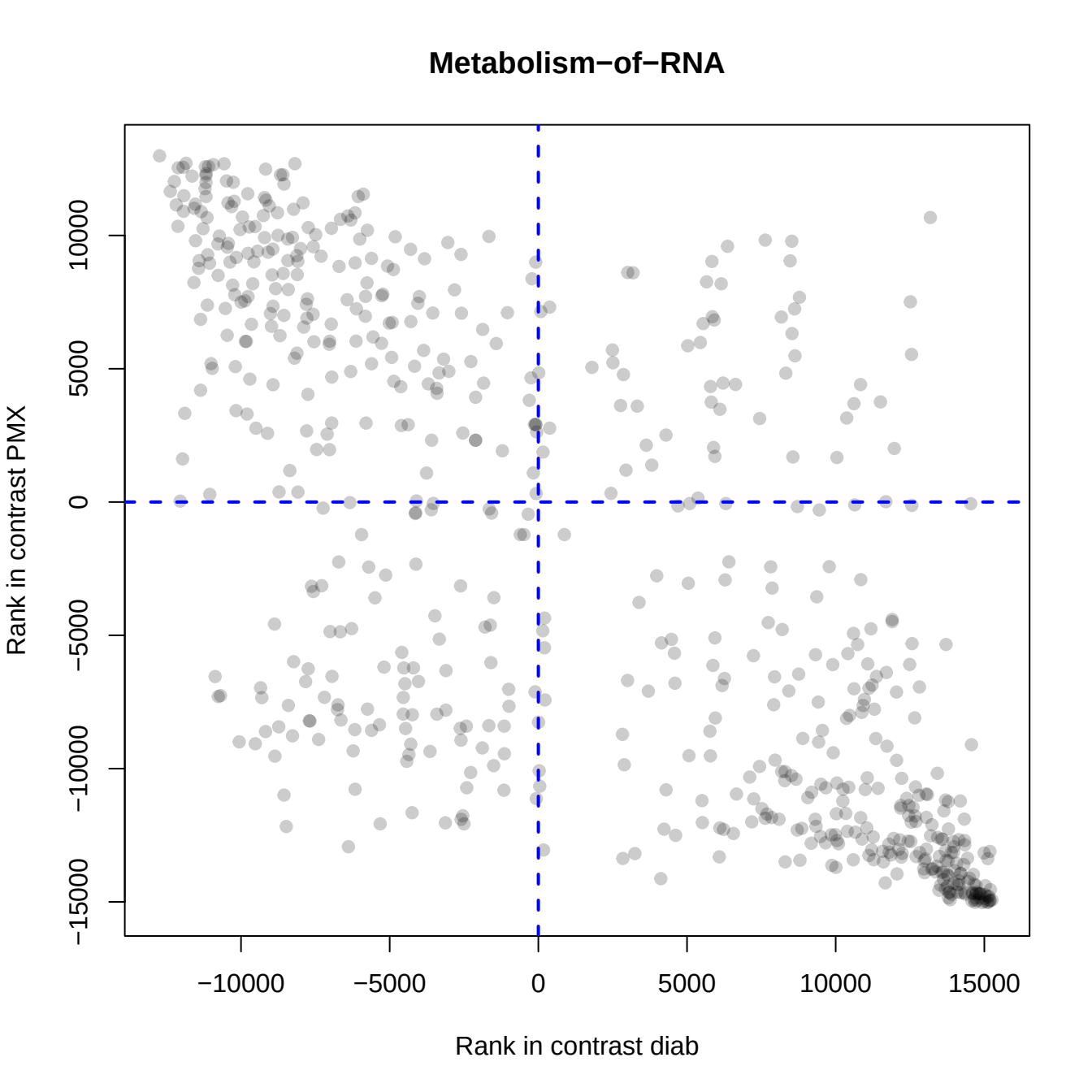

Cellular−responses−to−stimuli
10000
0
−10000
Position in rank
diab
PMX
Var2

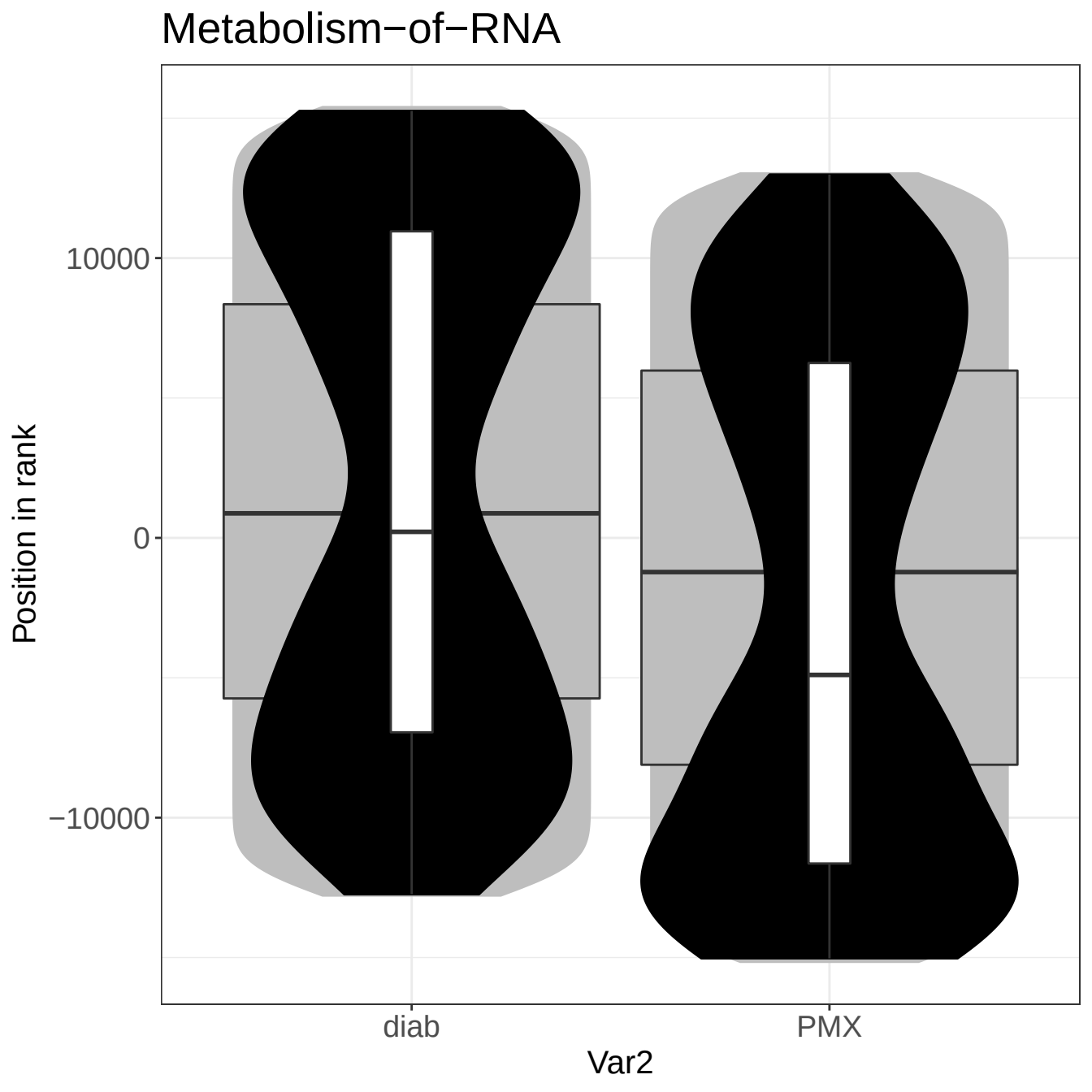

Gluconeogenesis
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
1.2e−08
1.0e−08
8.0e−09
6.0e−09
4.0e−09
2.0e−09
0.0e+00

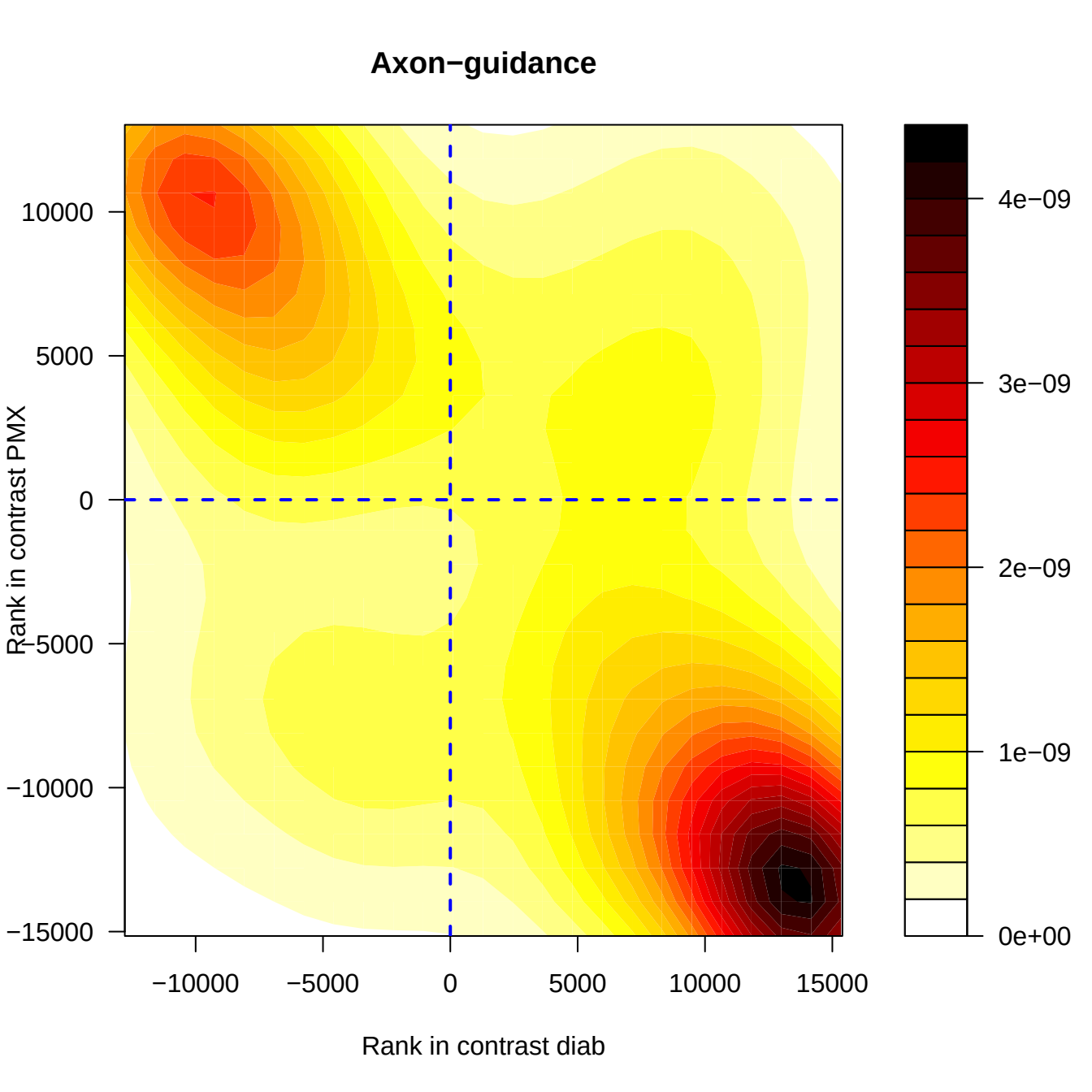

Gluconeogenesis
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

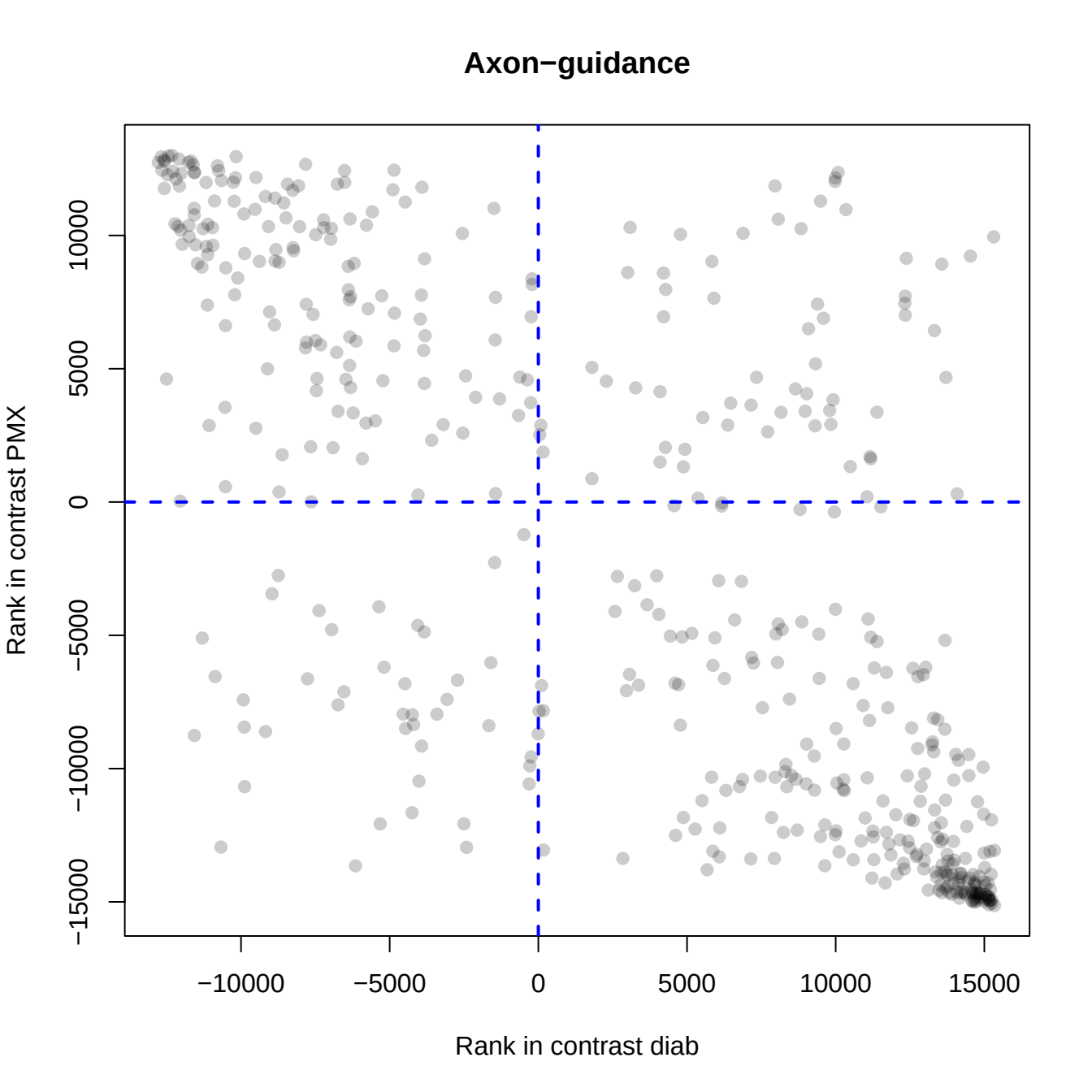

Gluconeogenesis
10000
0
−10000
Position in rank
diab
PMX
Var2

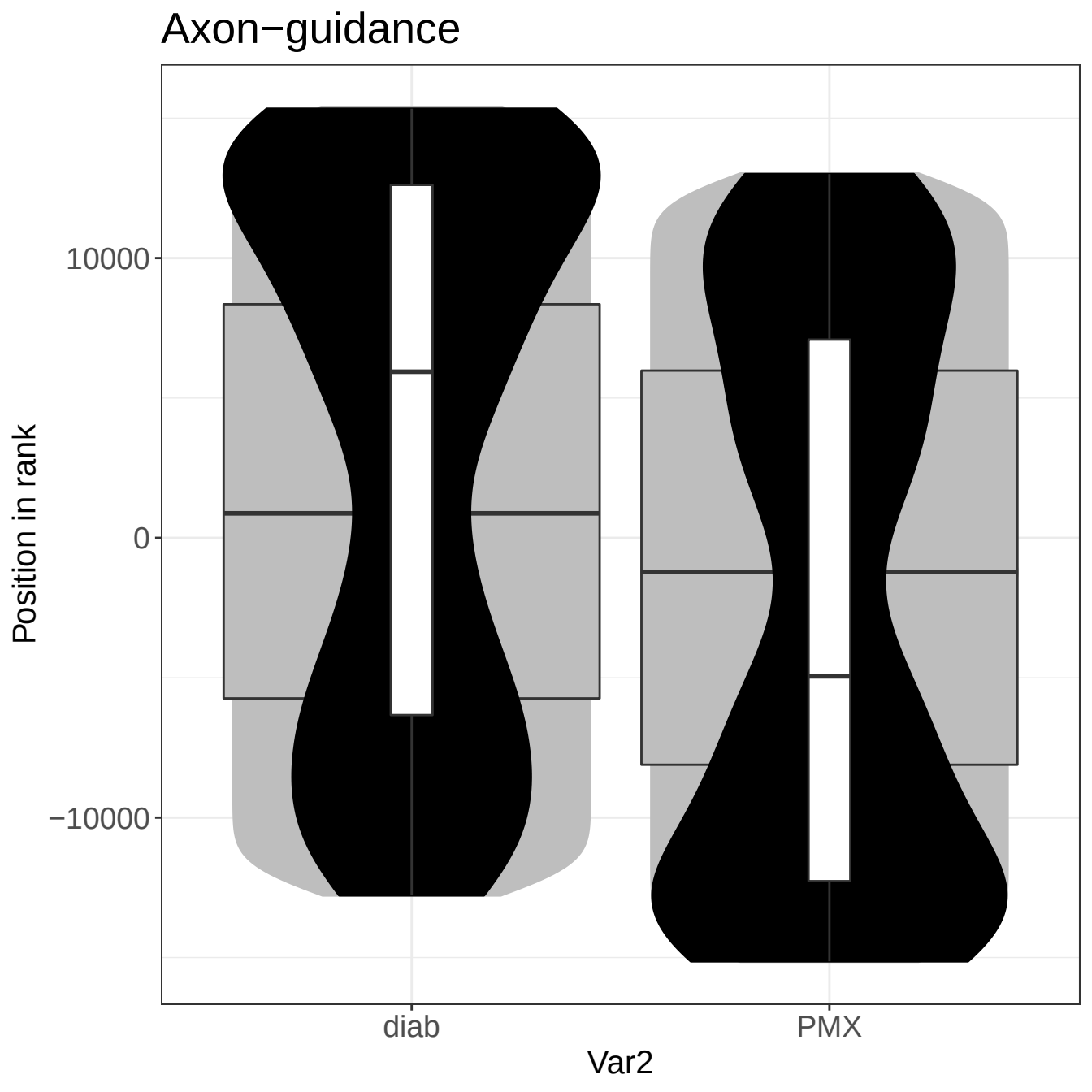

Metabolism−of−RNA
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00

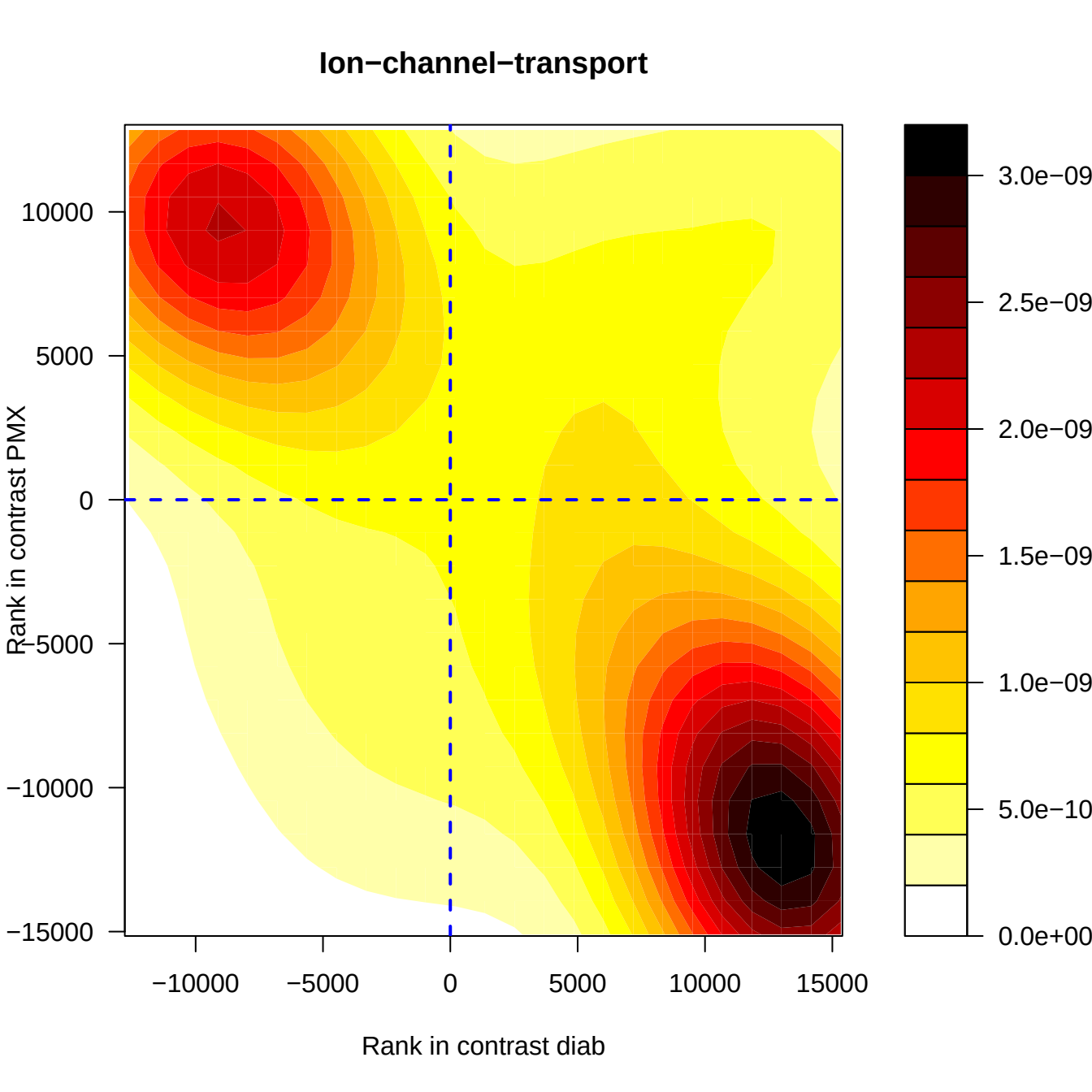

Metabolism−of−RNA
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

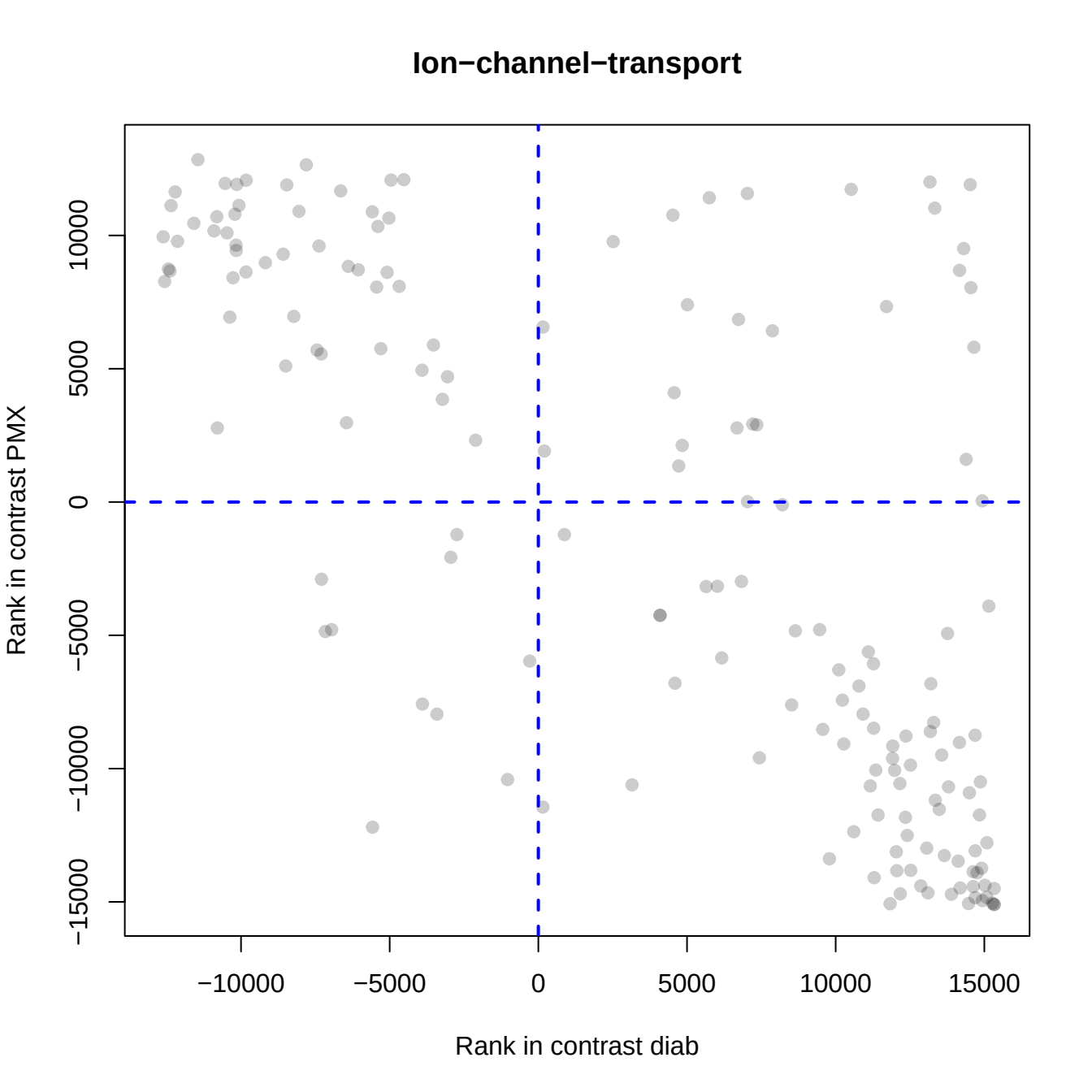

Metabolism−of−RNA
10000
0
−10000
Position in rank
diab
PMX
Var2

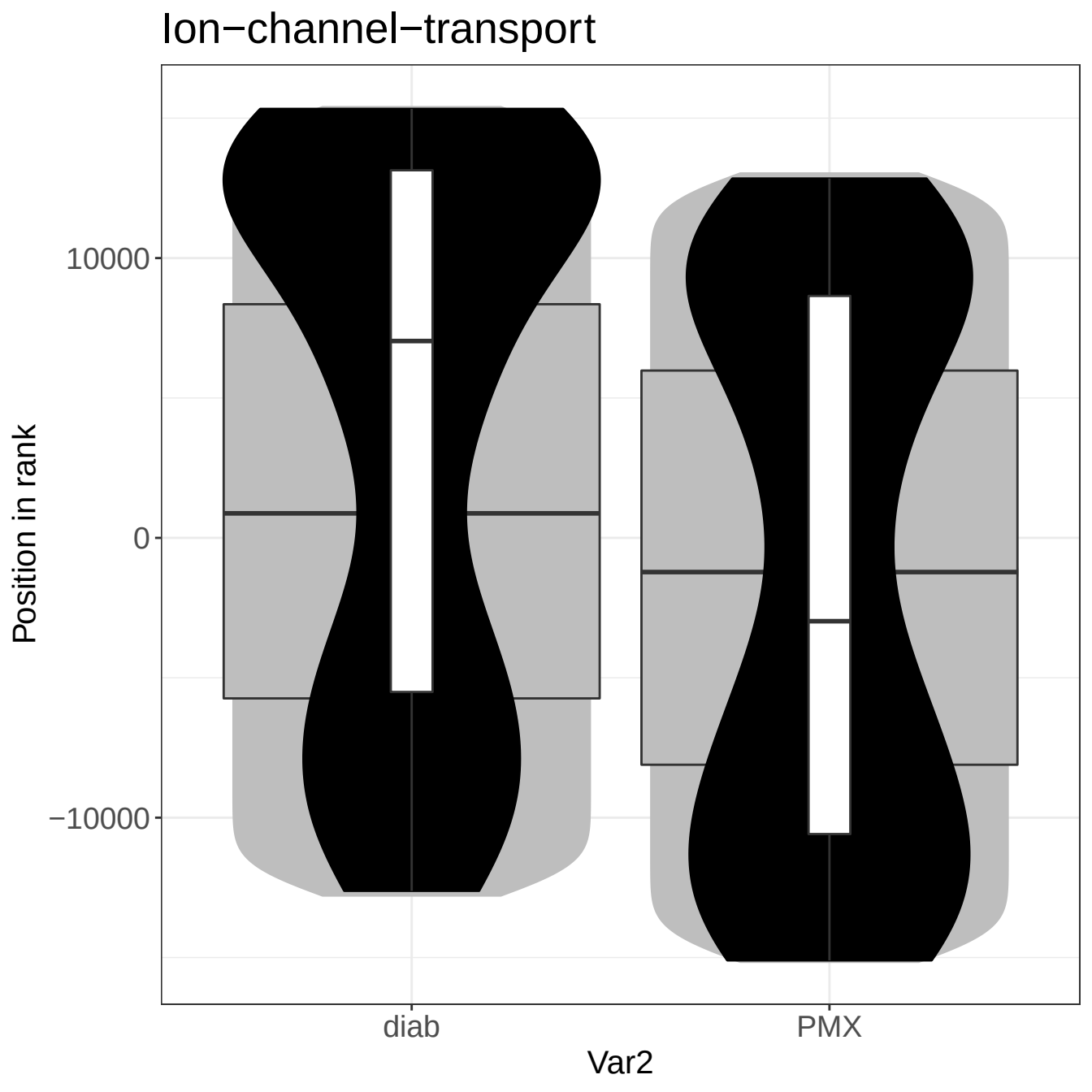

Axon−guidance
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00

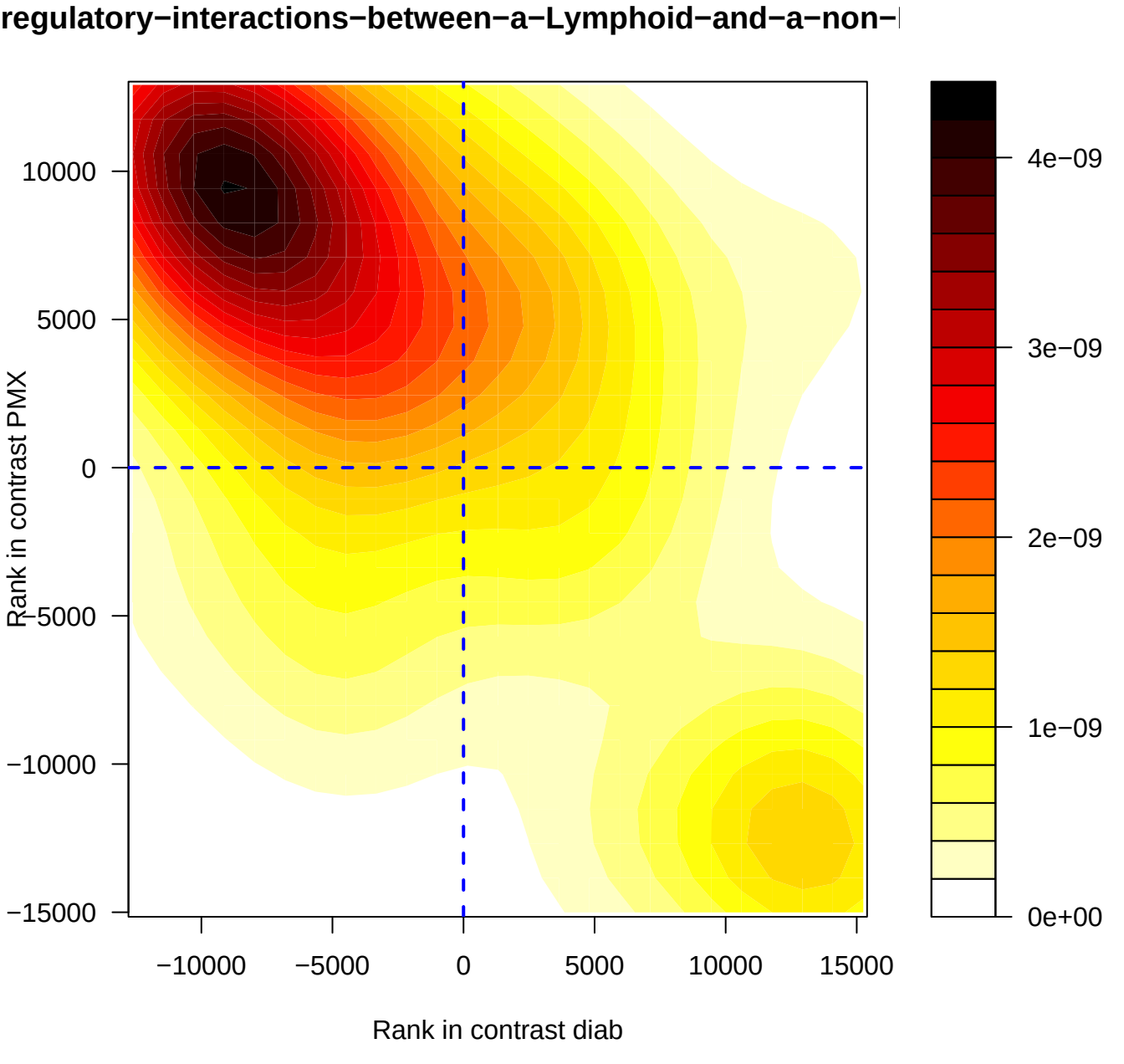

Axon−guidance
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

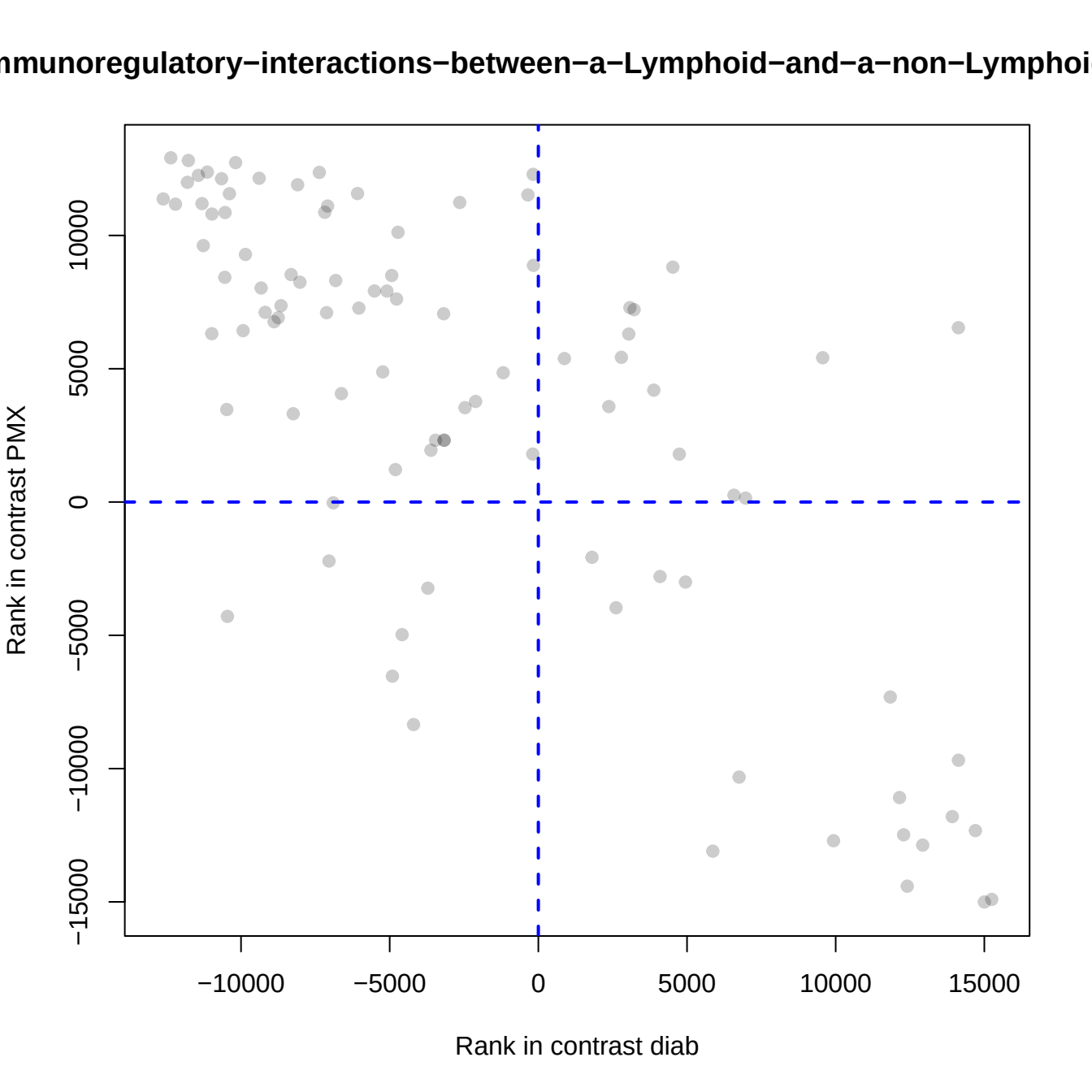

Axon−guidance
10000
0
−10000
Position in rank
diab
PMX
Var2

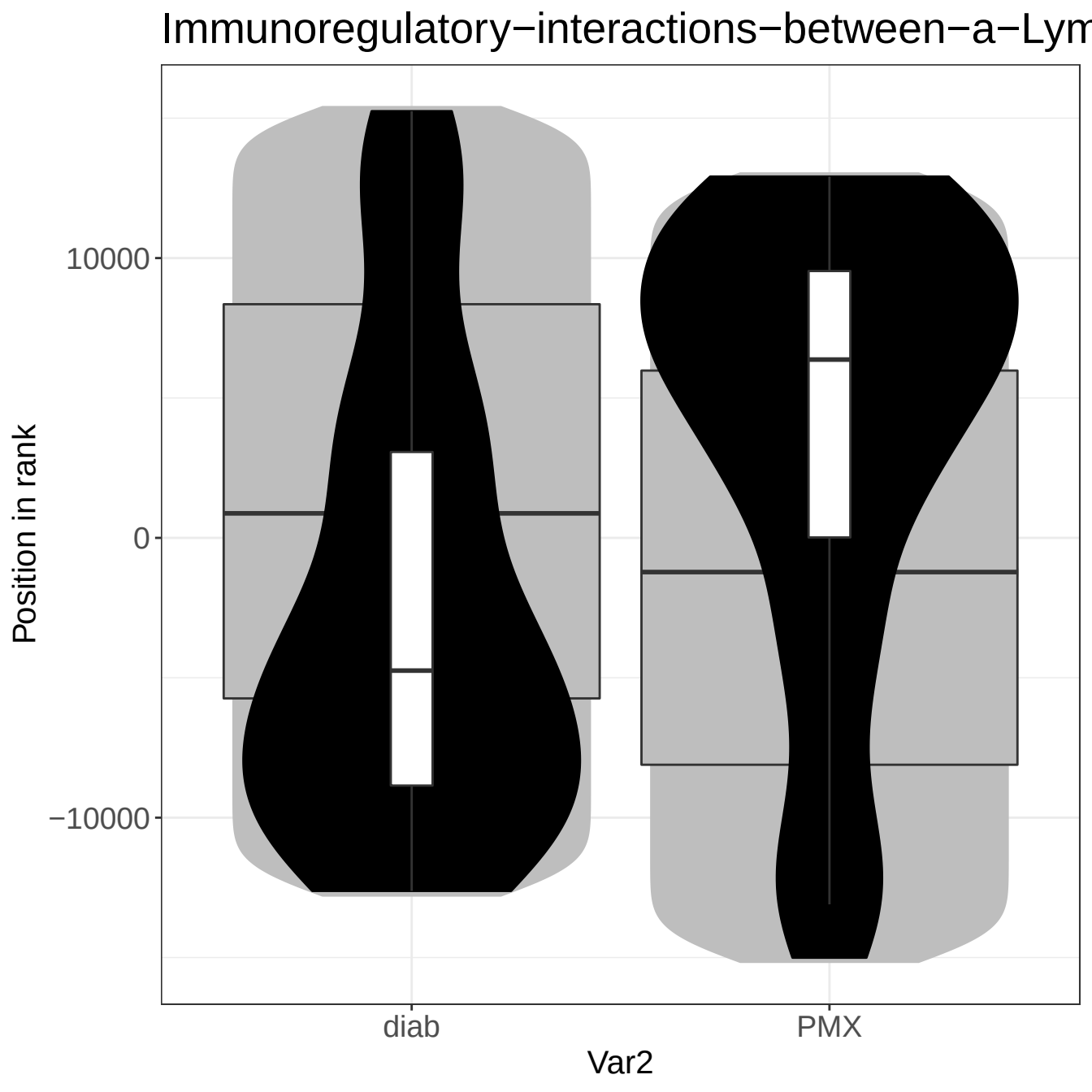

Ion−channel−transport
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

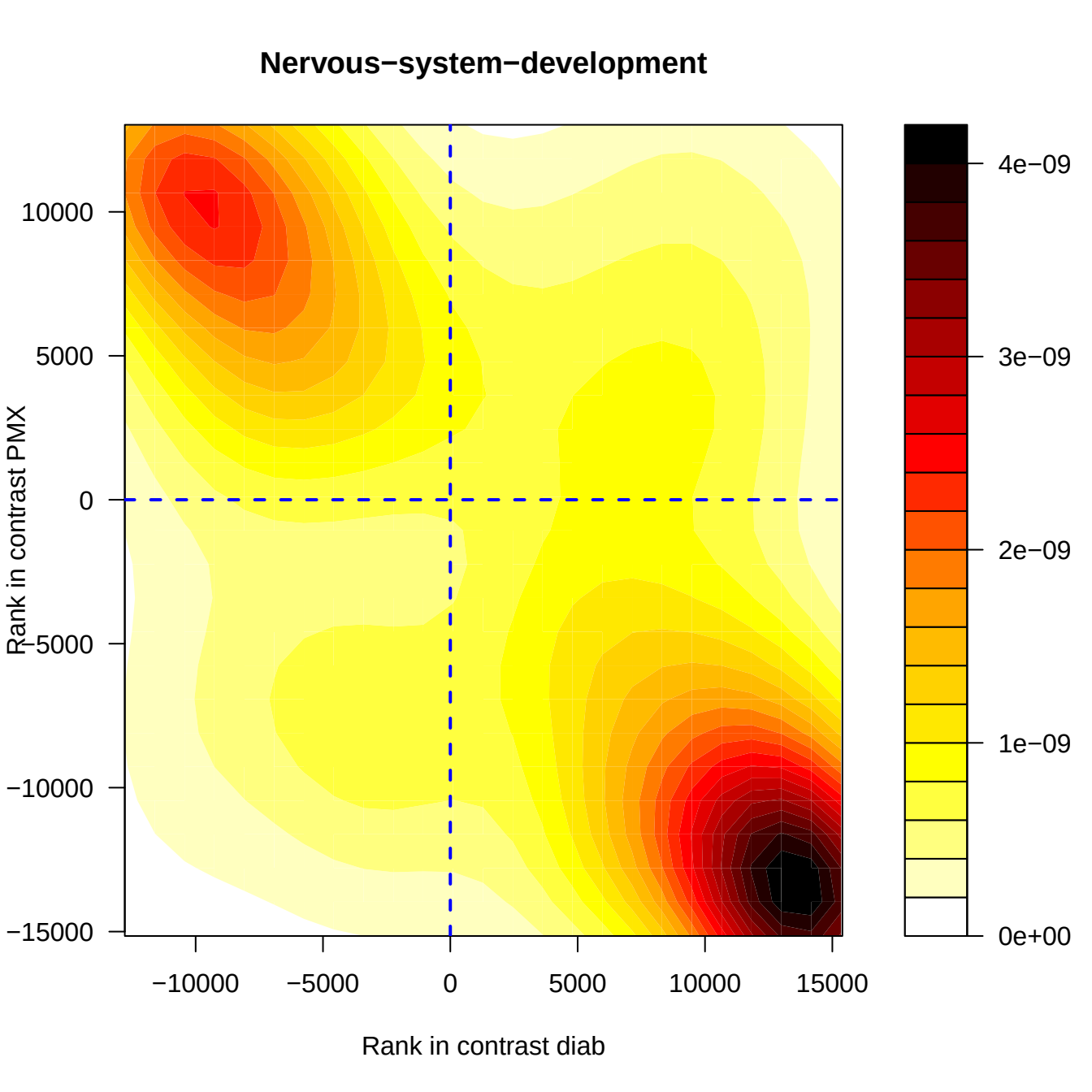

Ion−channel−transport
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

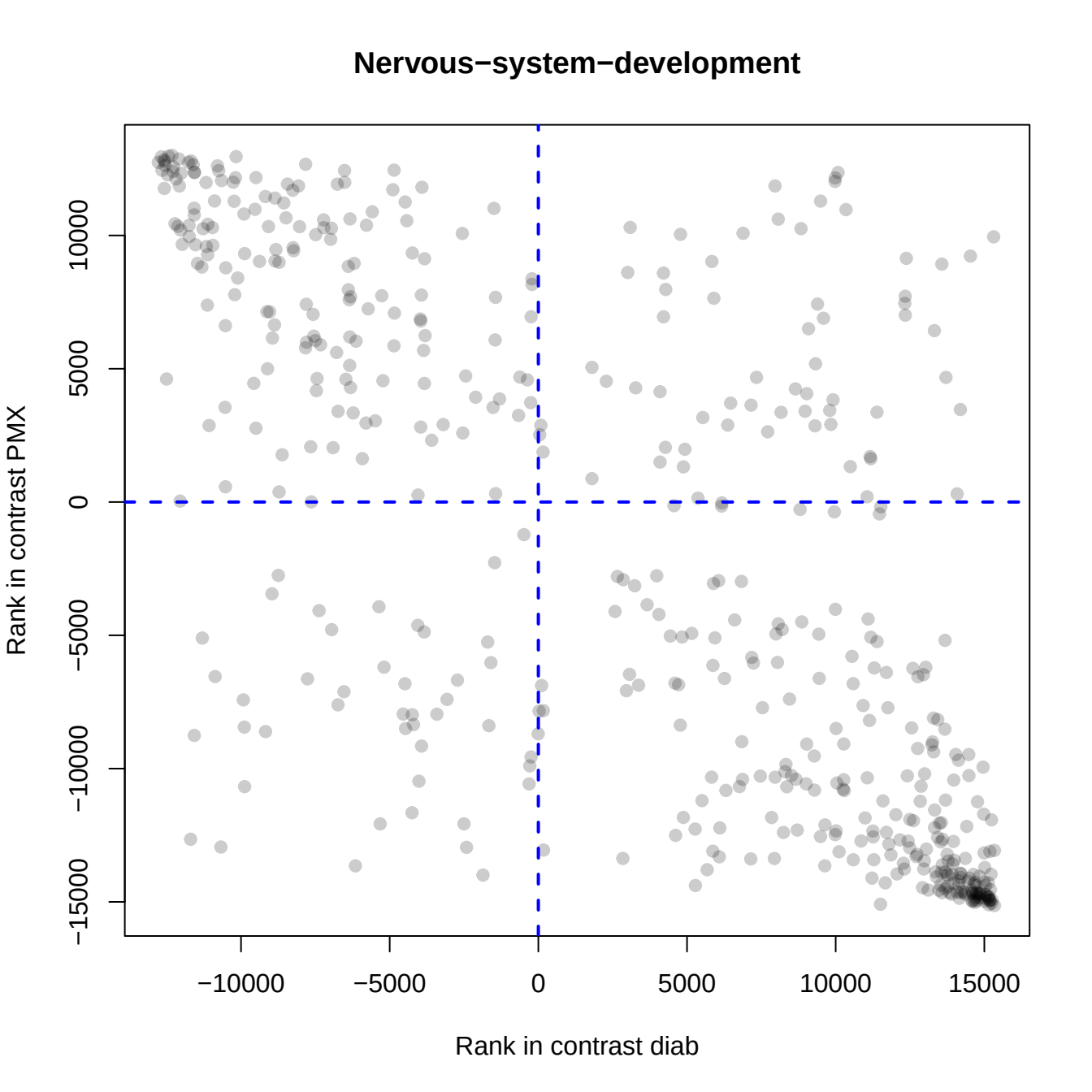

Ion−channel−transport
10000
0
−10000
Position in rank
diab
PMX
Var2

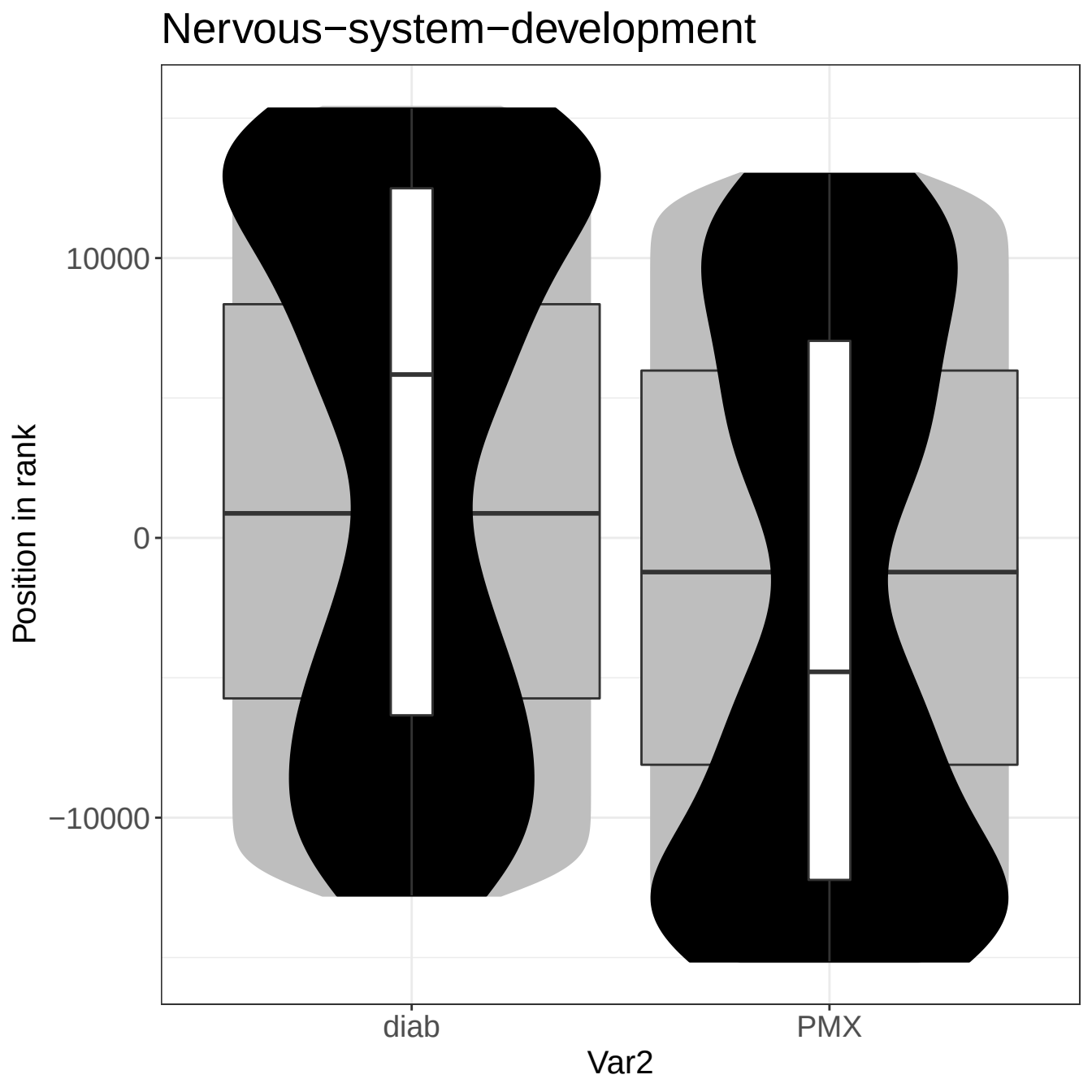

regulatory−interactions−between−a−Lymphoid−and−a−non−
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00

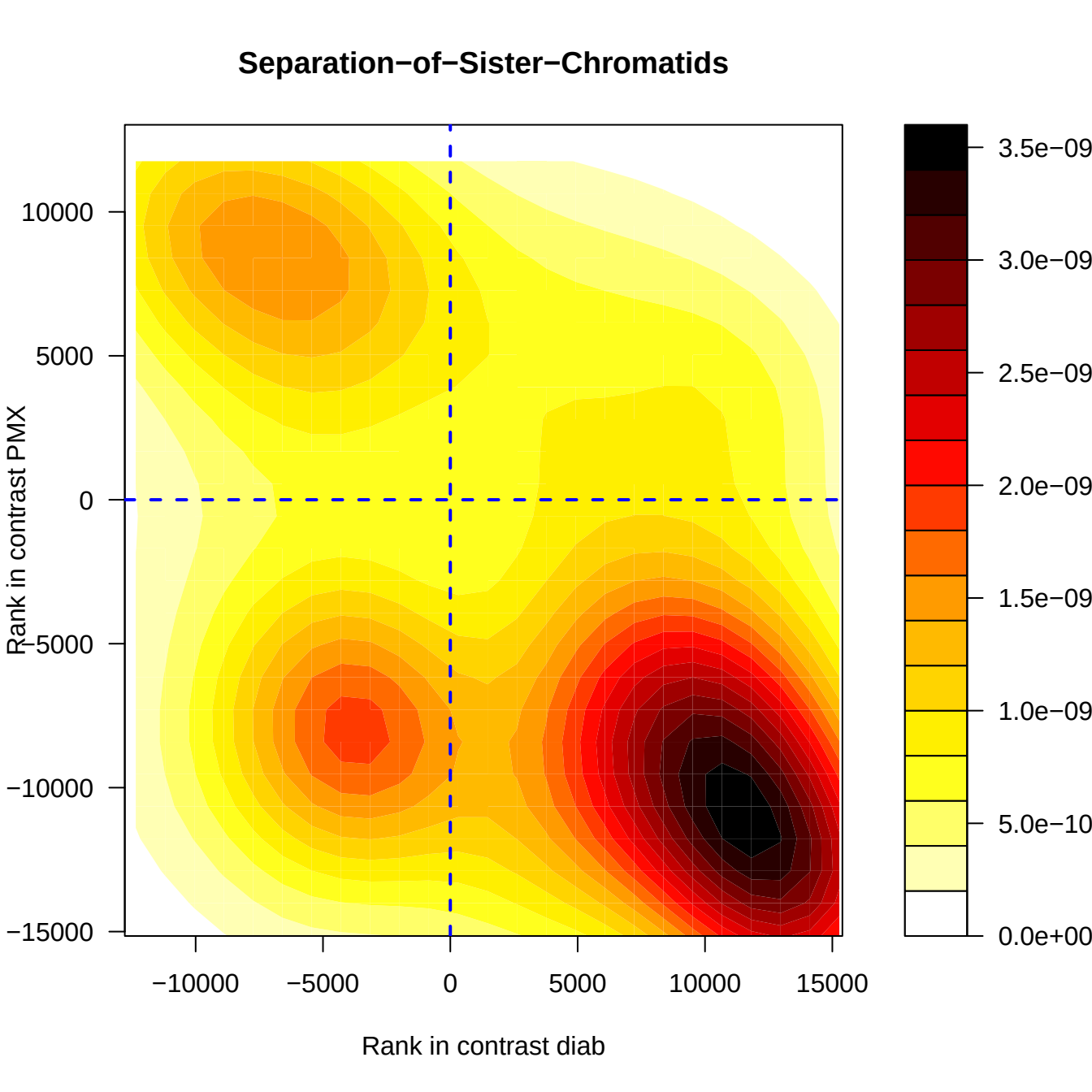

mmunoregulatory−interactions−between−a−Lymphoid−and−a−non−Lymphoi
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

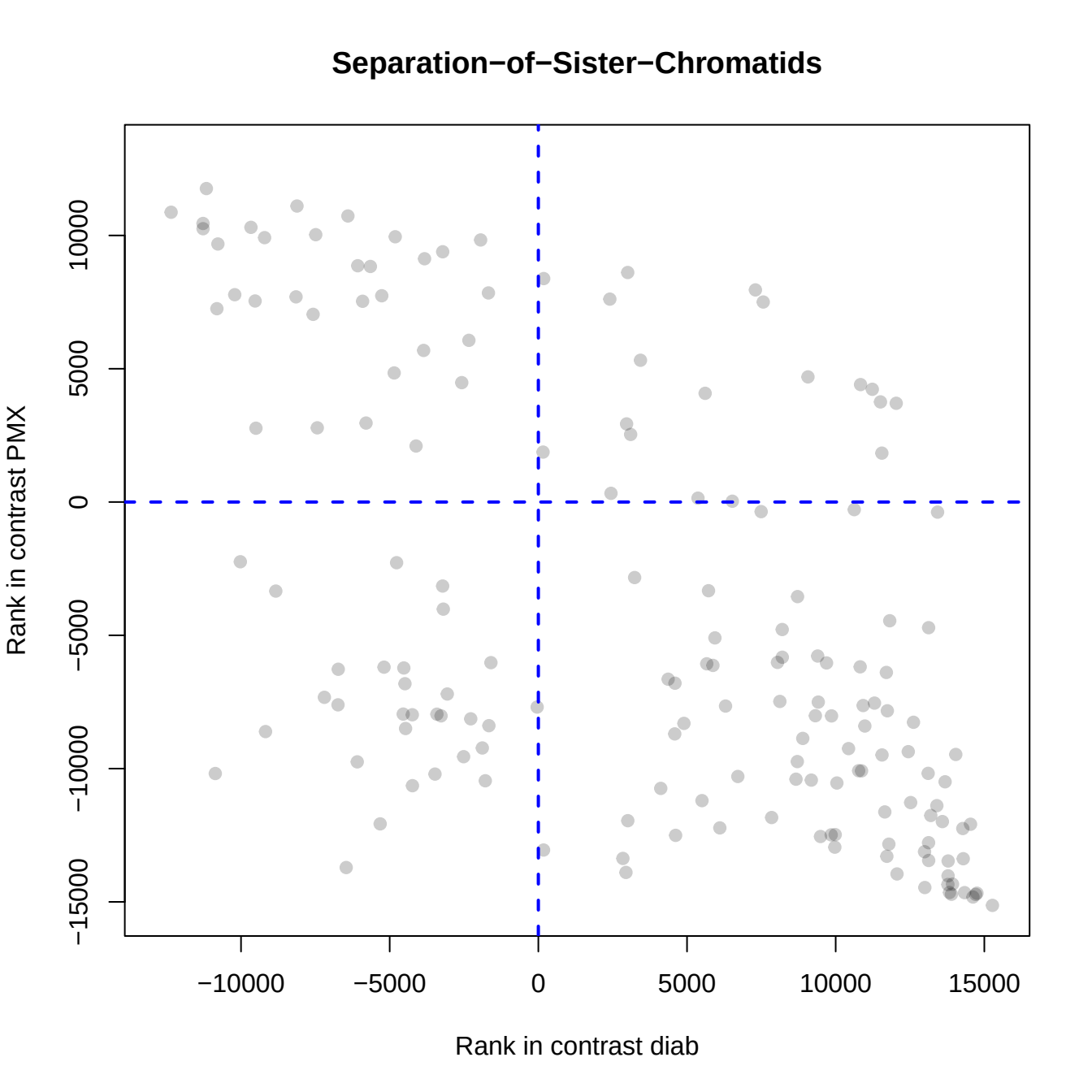

Immunoregulatory−interactions−between−a−Lym
10000
0
−10000
Position in rank
diab
PMX
Var2

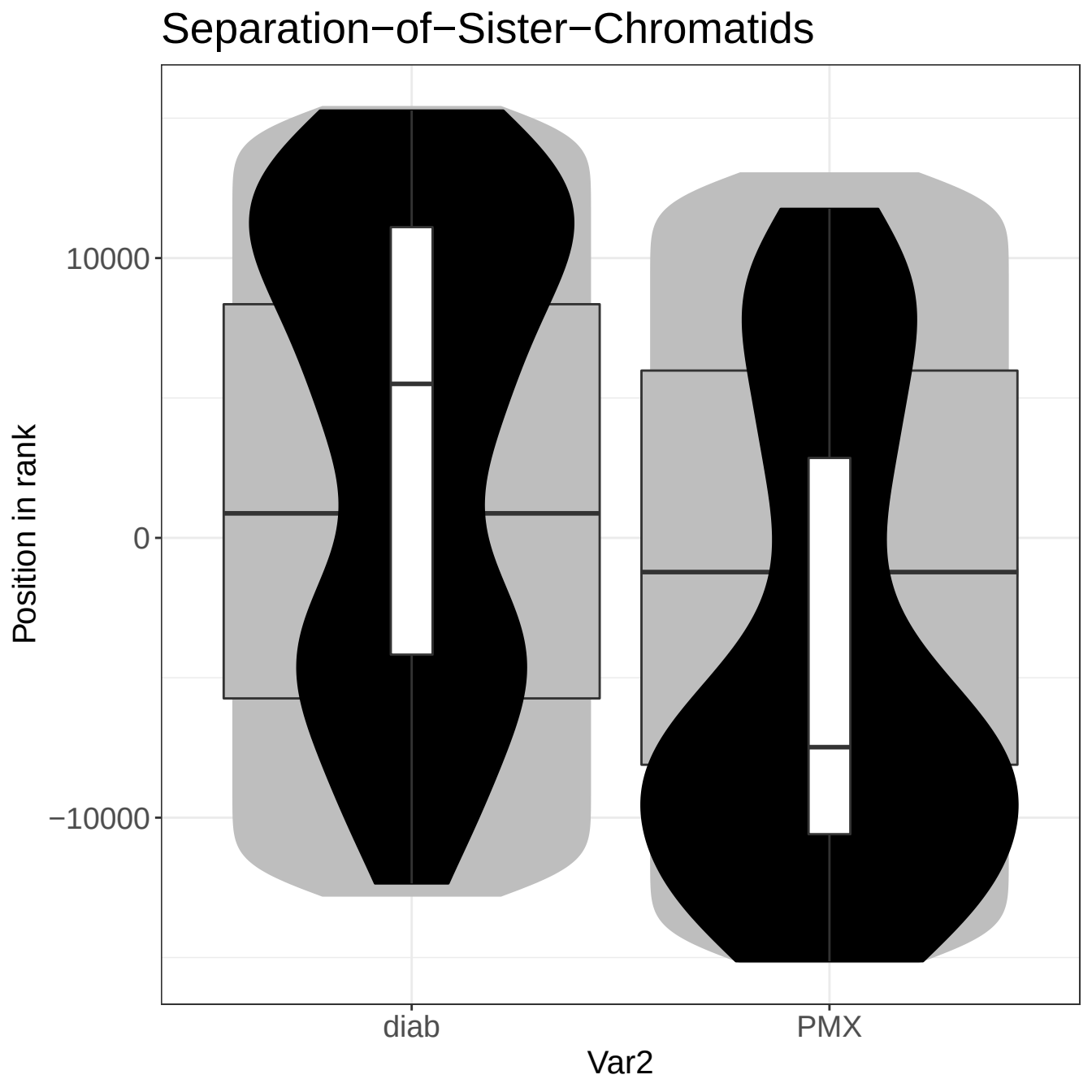

Nervous−system−development
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00

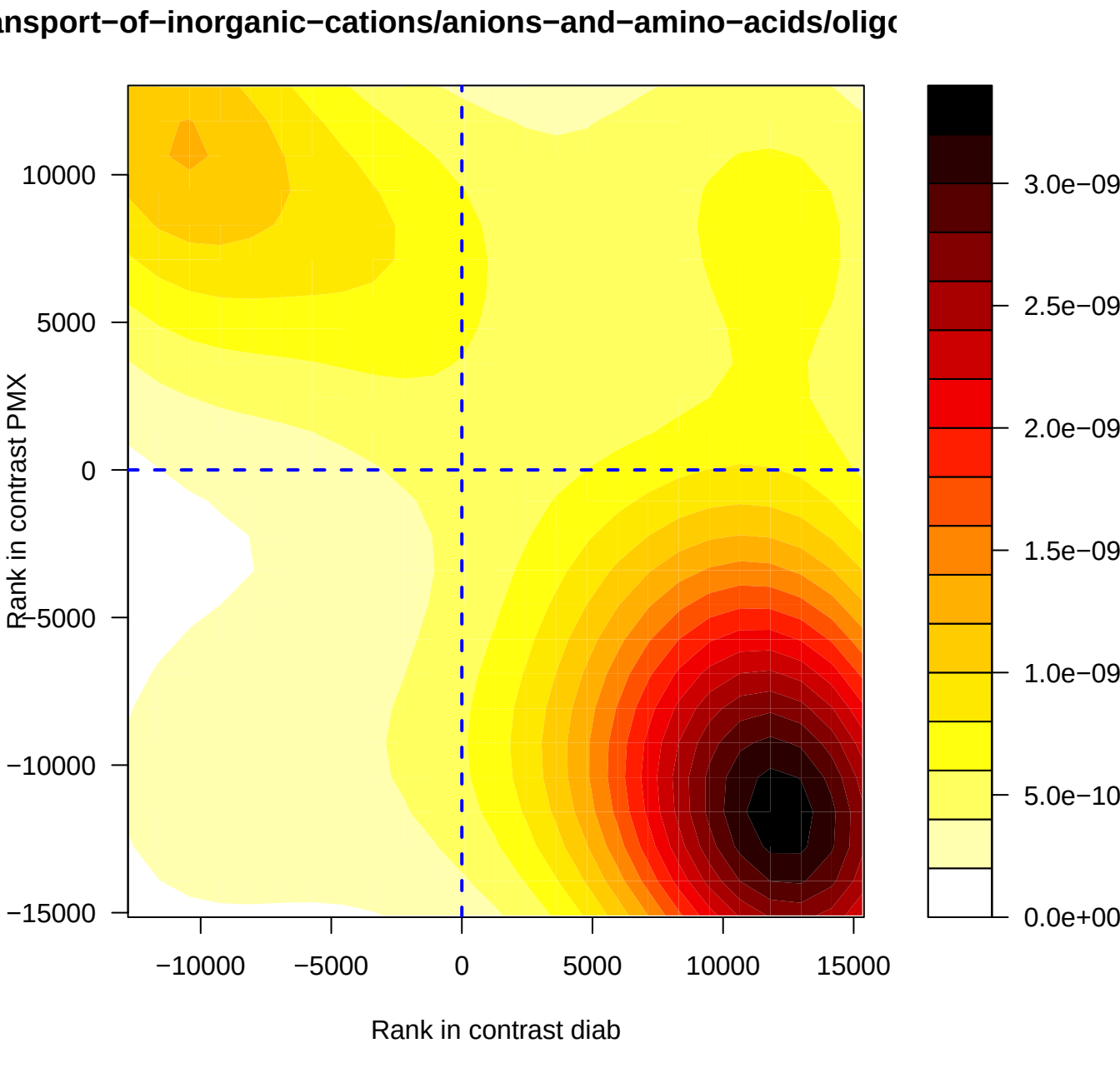

Nervous−system−development
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

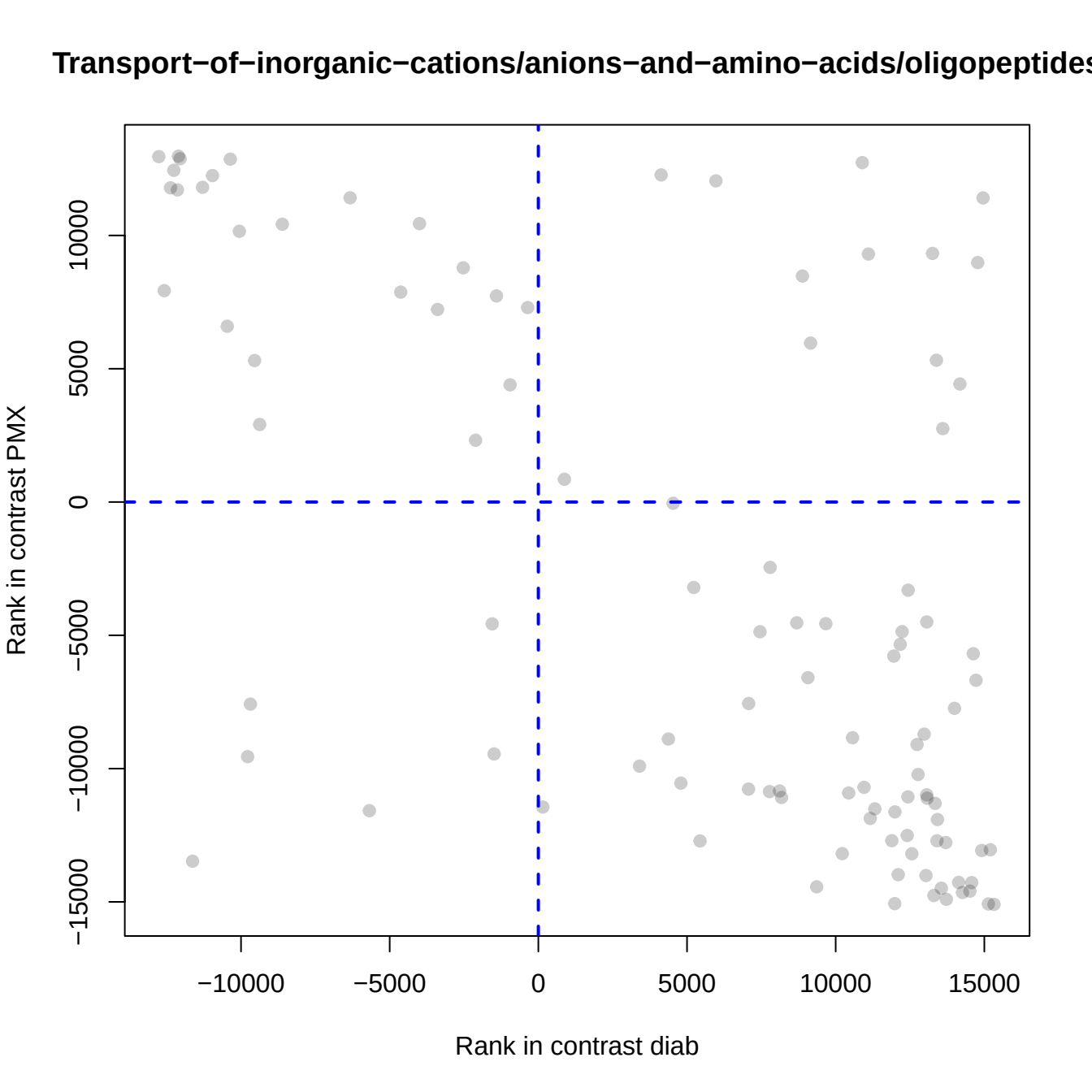

Nervous−system−development
10000
0
−10000
Position in rank
diab
PMX
Var2

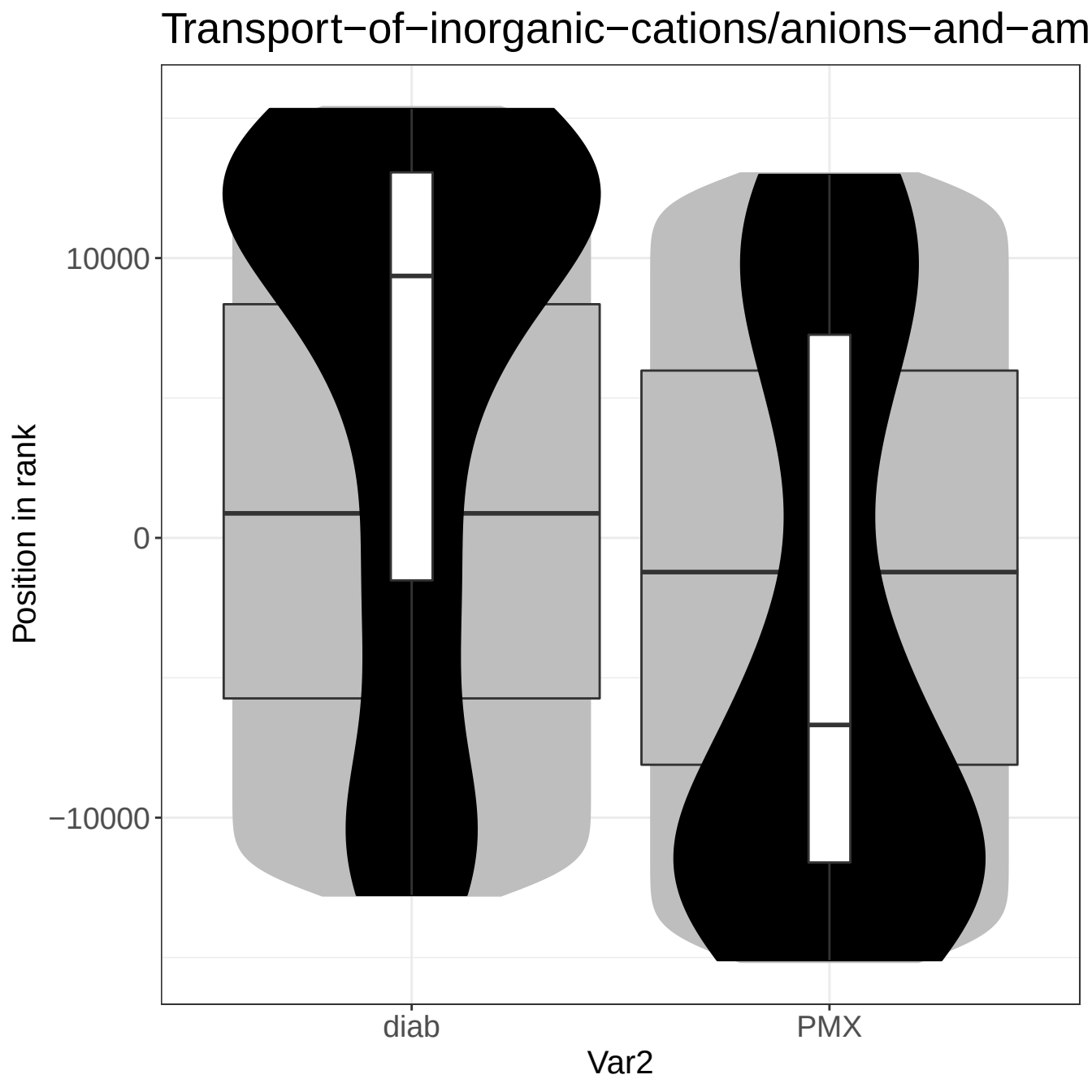

Separation−of−Sister−Chromatids
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
3.5e−09
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

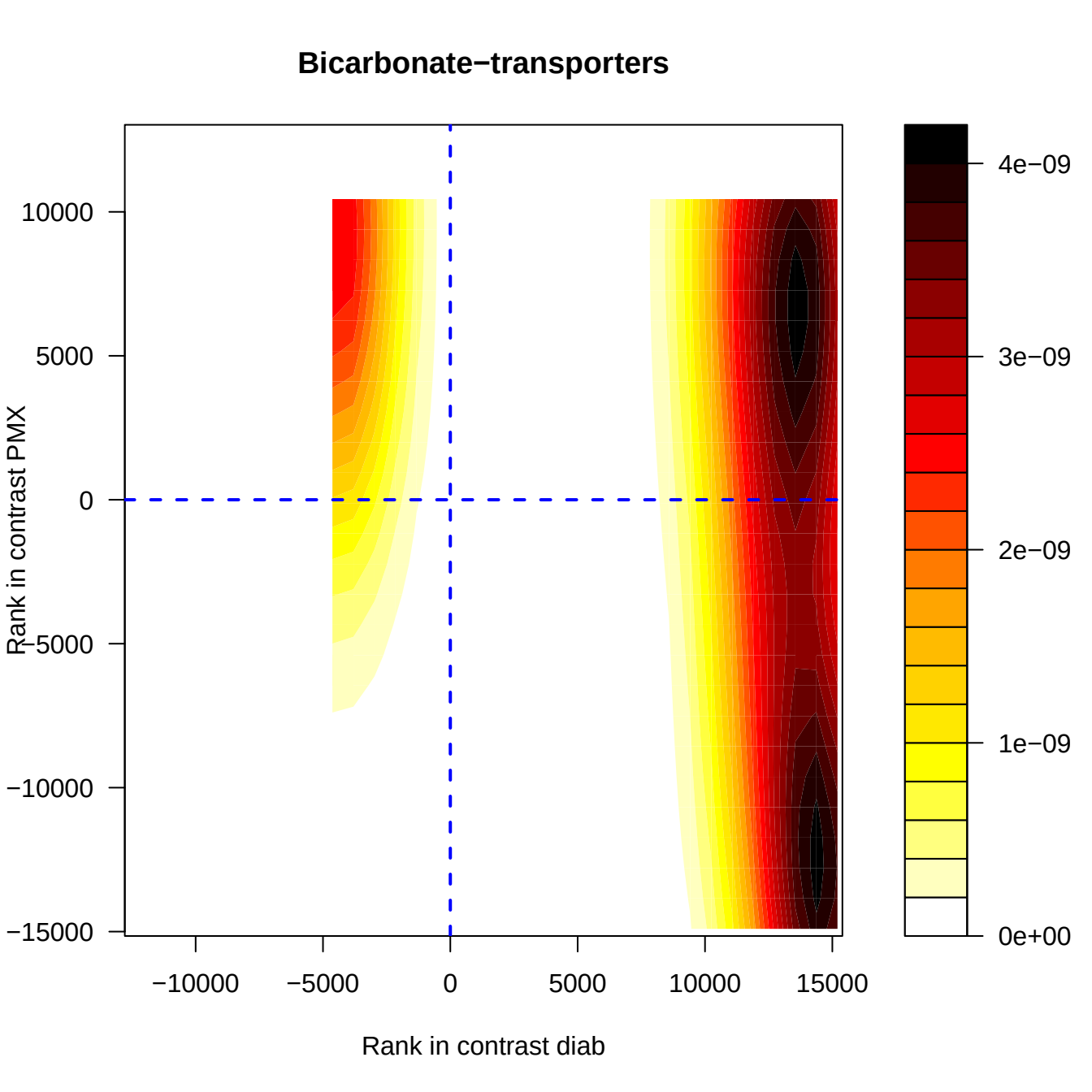

Separation−of−Sister−Chromatids
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

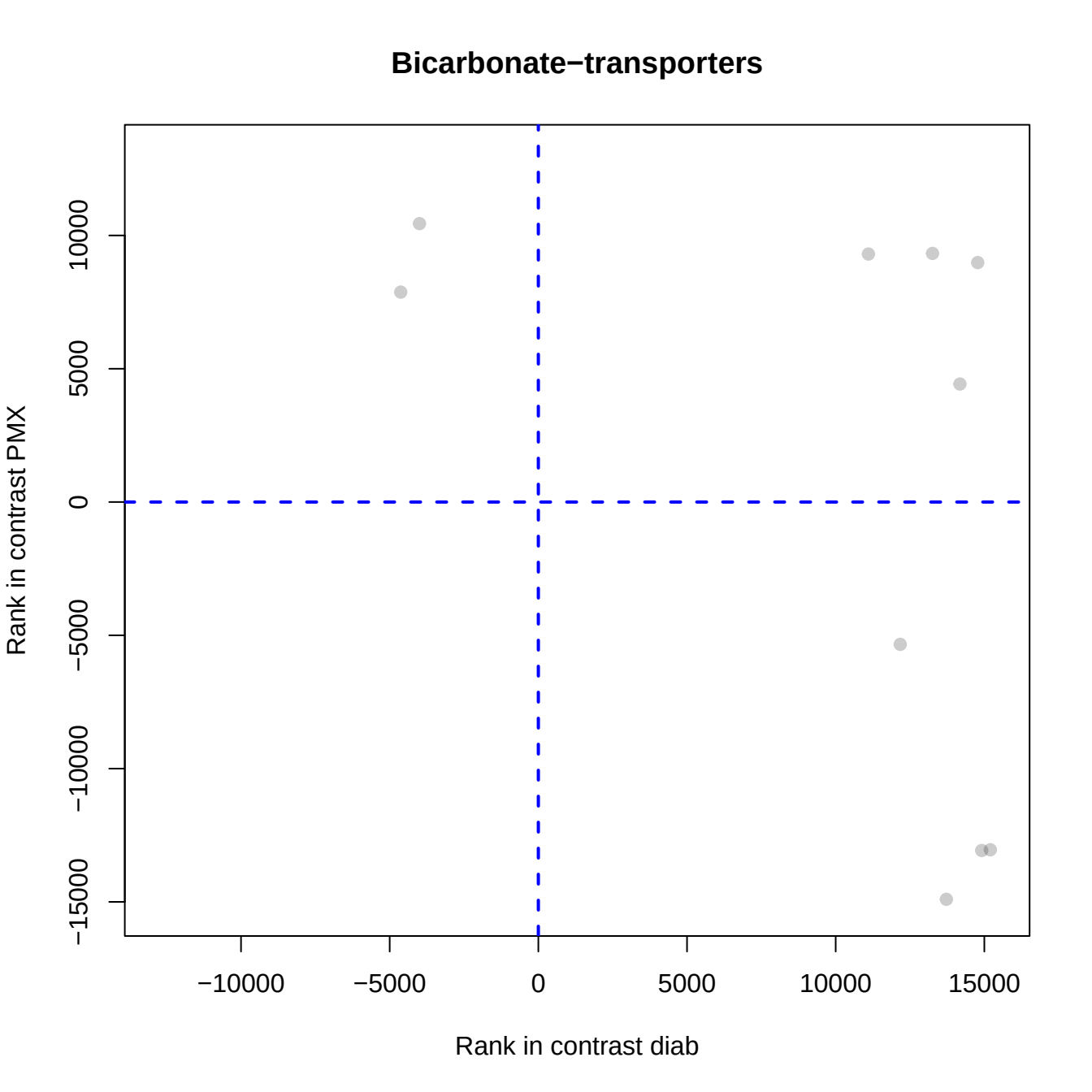

Separation−of−Sister−Chromatids
10000
0
−10000
Position in rank
diab
PMX
Var2

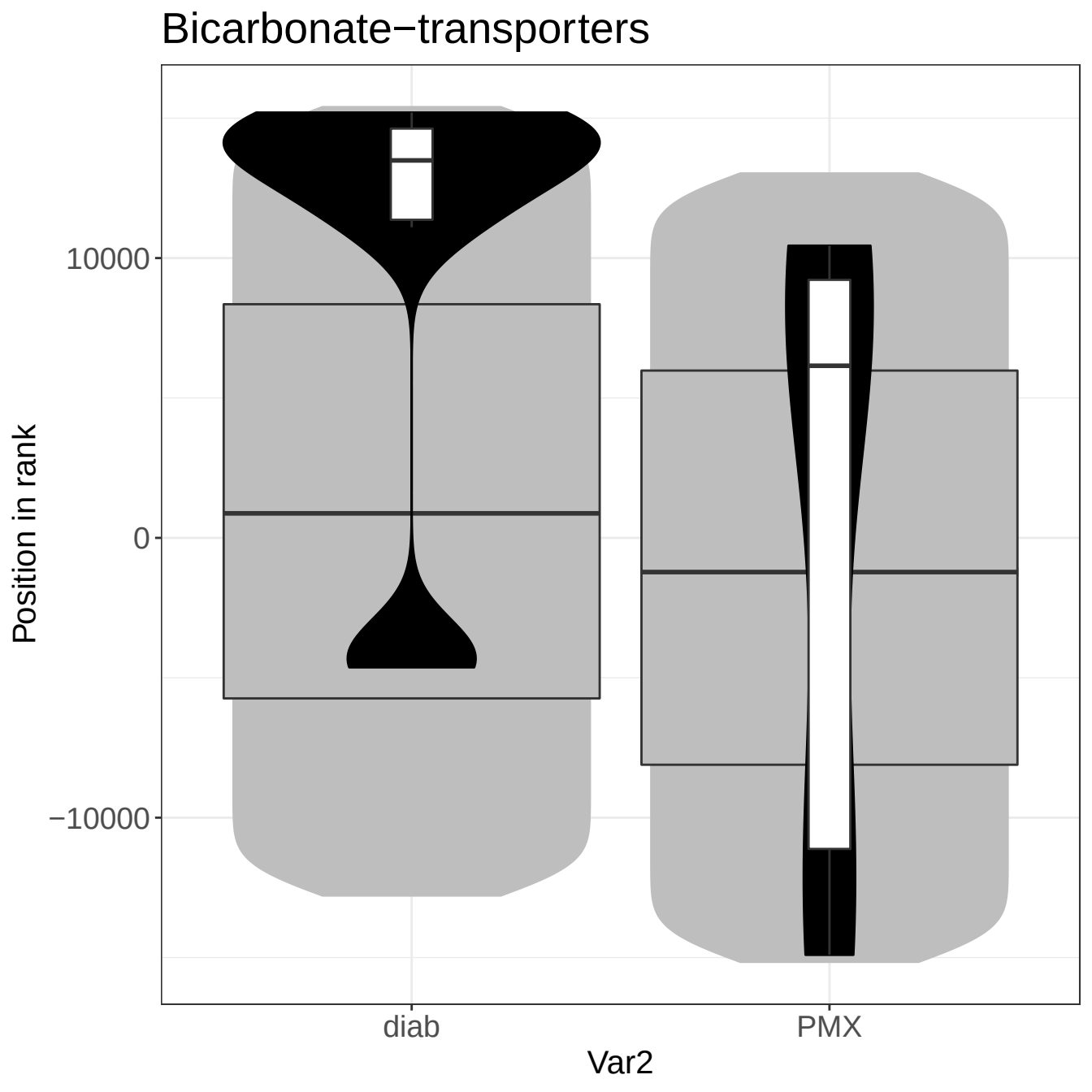

ansport−of−inorganic−cations/anions−and−amino−acids/oligo
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
3.0e−09
2.5e−09
2.0e−09
1.5e−09
1.0e−09
5.0e−10
0.0e+00

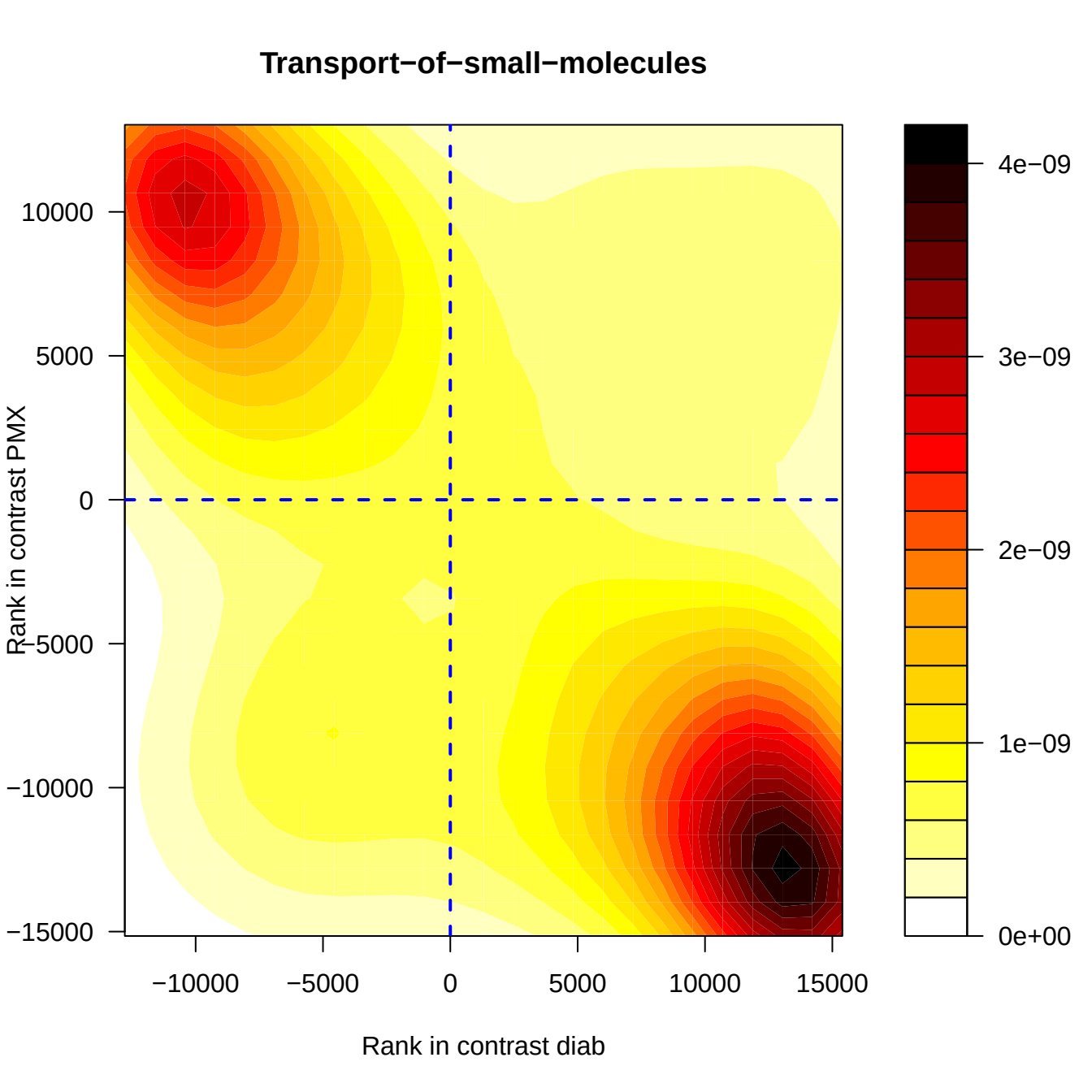

Transport−of−inorganic−cations/anions−and−amino−acids/oligopeptides
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000

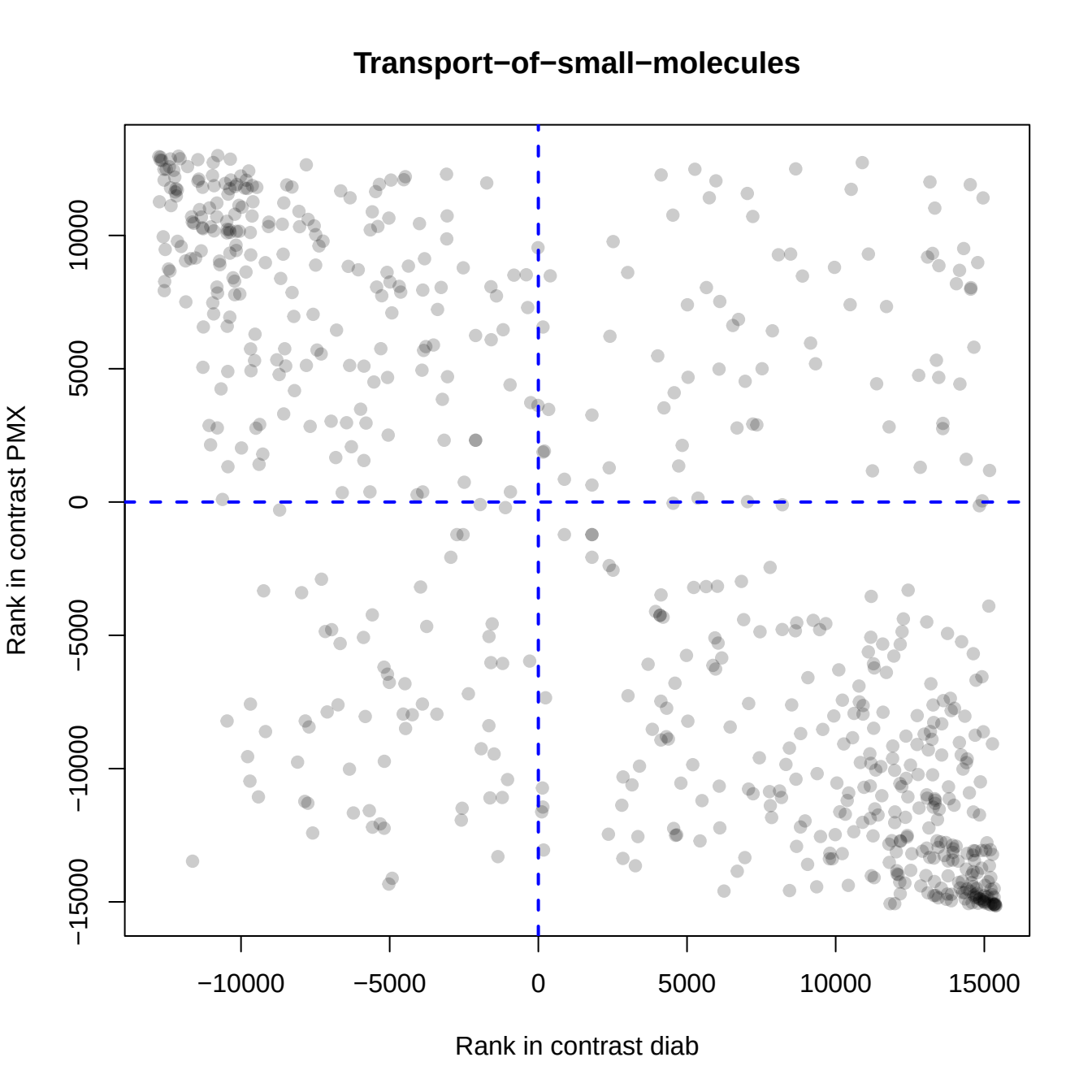

Transport−of−inorganic−cations/anions−and−am
10000
0
−10000
Position in rank
diab
PMX
Var2

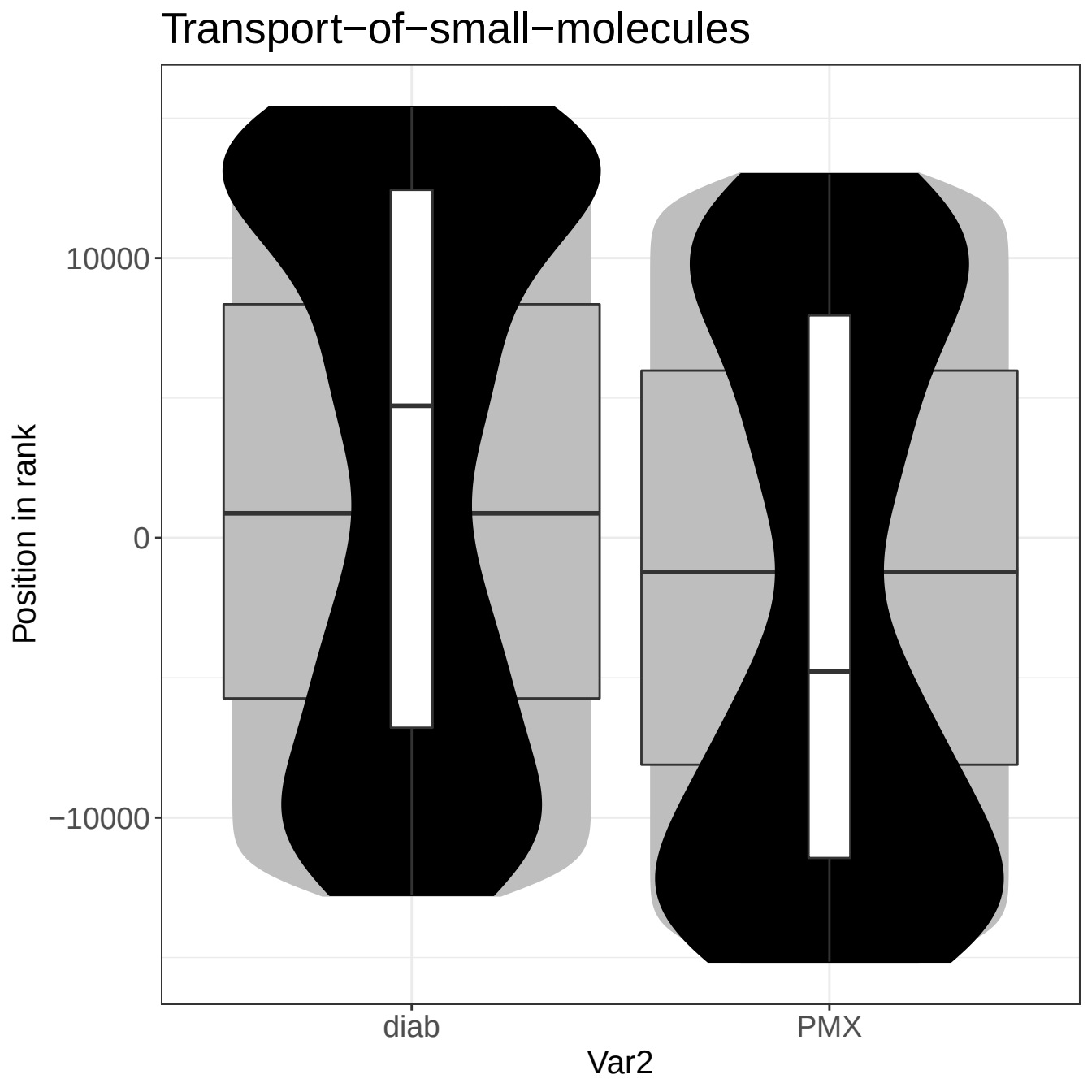

Bicarbonate−transporters
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00

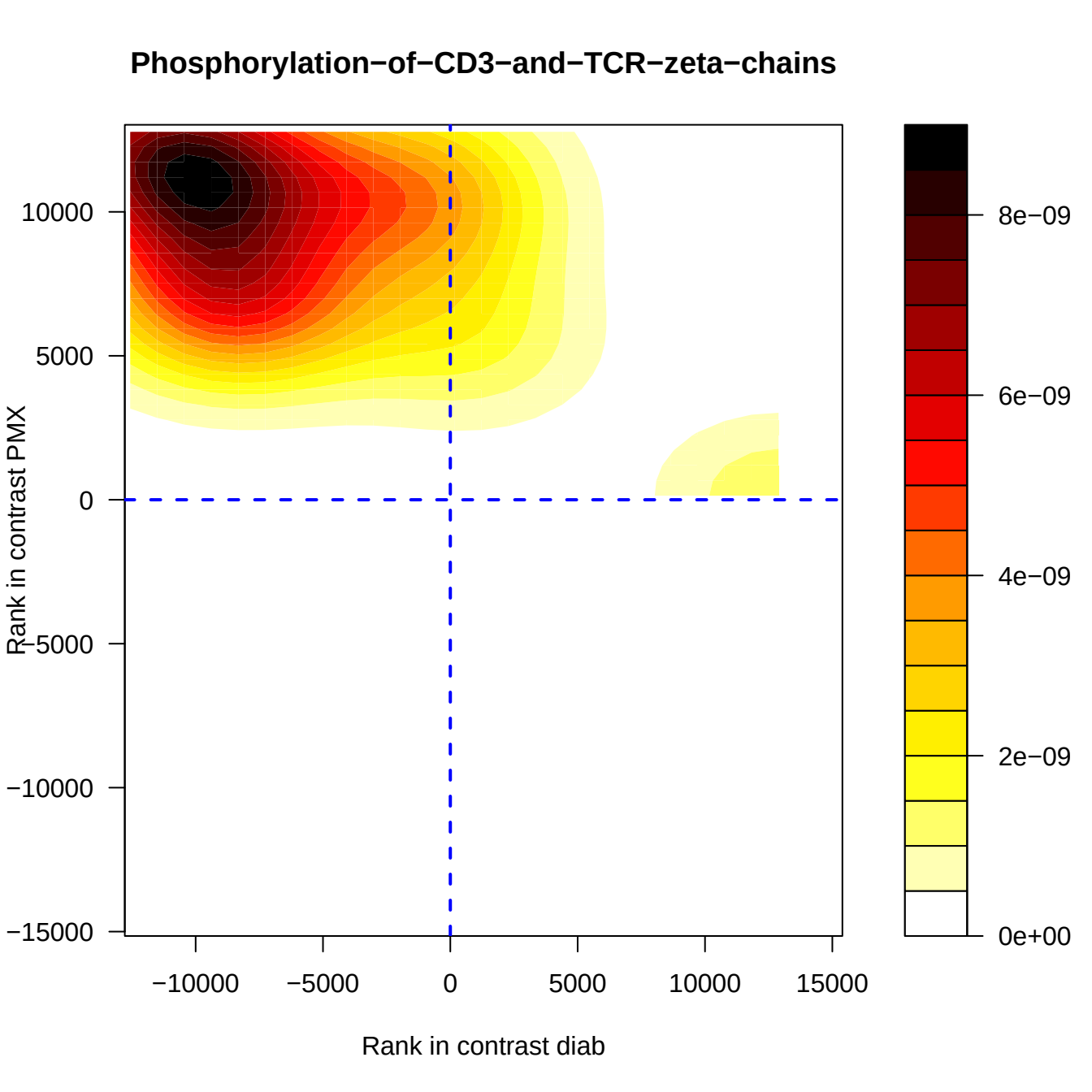

Bicarbonate−transporters
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab

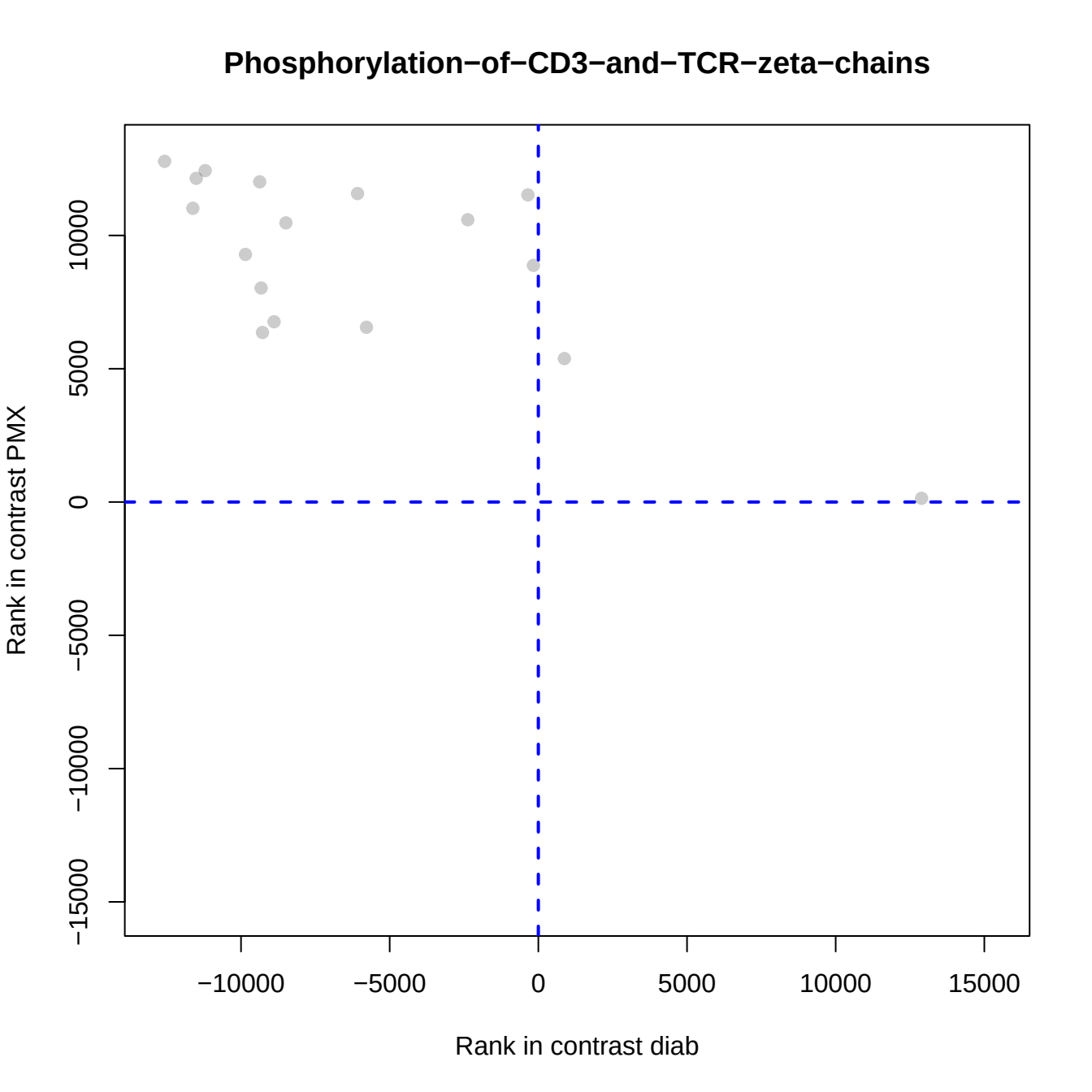

Bicarbonate−transporters
10000
0
−10000
Position in rank
diab
PMX
Var2

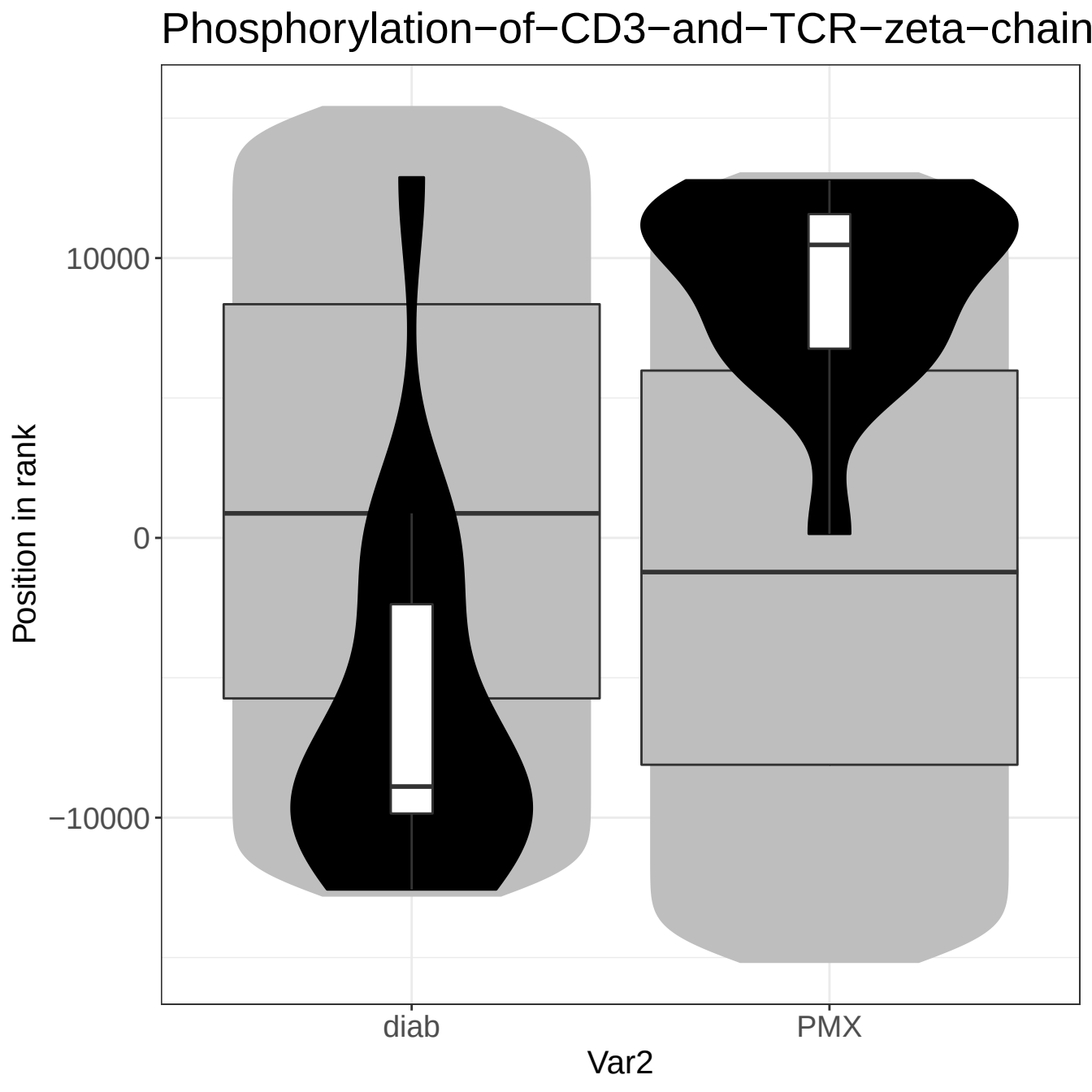

Transport−of−small−molecules
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
4e−09
3e−09
2e−09
1e−09
0e+00


Transport−of−small−molecules
Rank in contrast PMX
Rank in contrast diab
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000


Transport−of−small−molecules
10000
0
−10000
Position in rank
diab
PMX
Var2


Phosphorylation−of−CD3−and−TCR−zeta−chains
10000
5000
0
−5000
−10000
−15000
Rank in contrast PMX
−10000
−5000
0
5000
10000
15000
Rank in contrast diab
8e−09
6e−09
4e−09
2e−09
0e+00


Phosphorylation−of−CD3−and−TCR−zeta−chains
Rank in contrast PMX
10000
5000
0
−5000
−10000
−15000
−10000
−5000
0
5000
10000
15000
Rank in contrast diab


Phosphorylation−of−CD3−and−TCR−zeta−chain
10000
0
−10000
Position in rank
diab
PMX
Var2