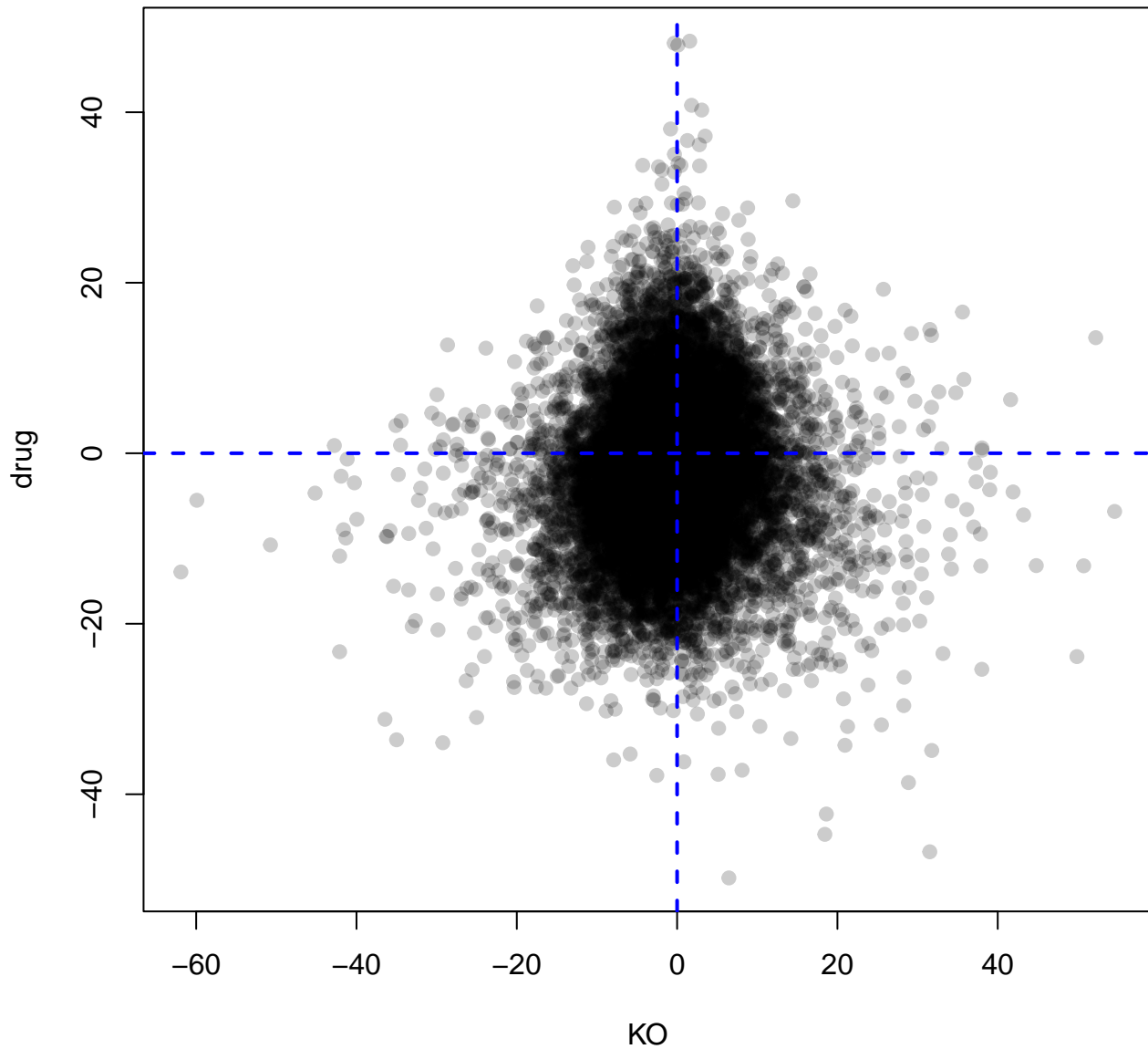
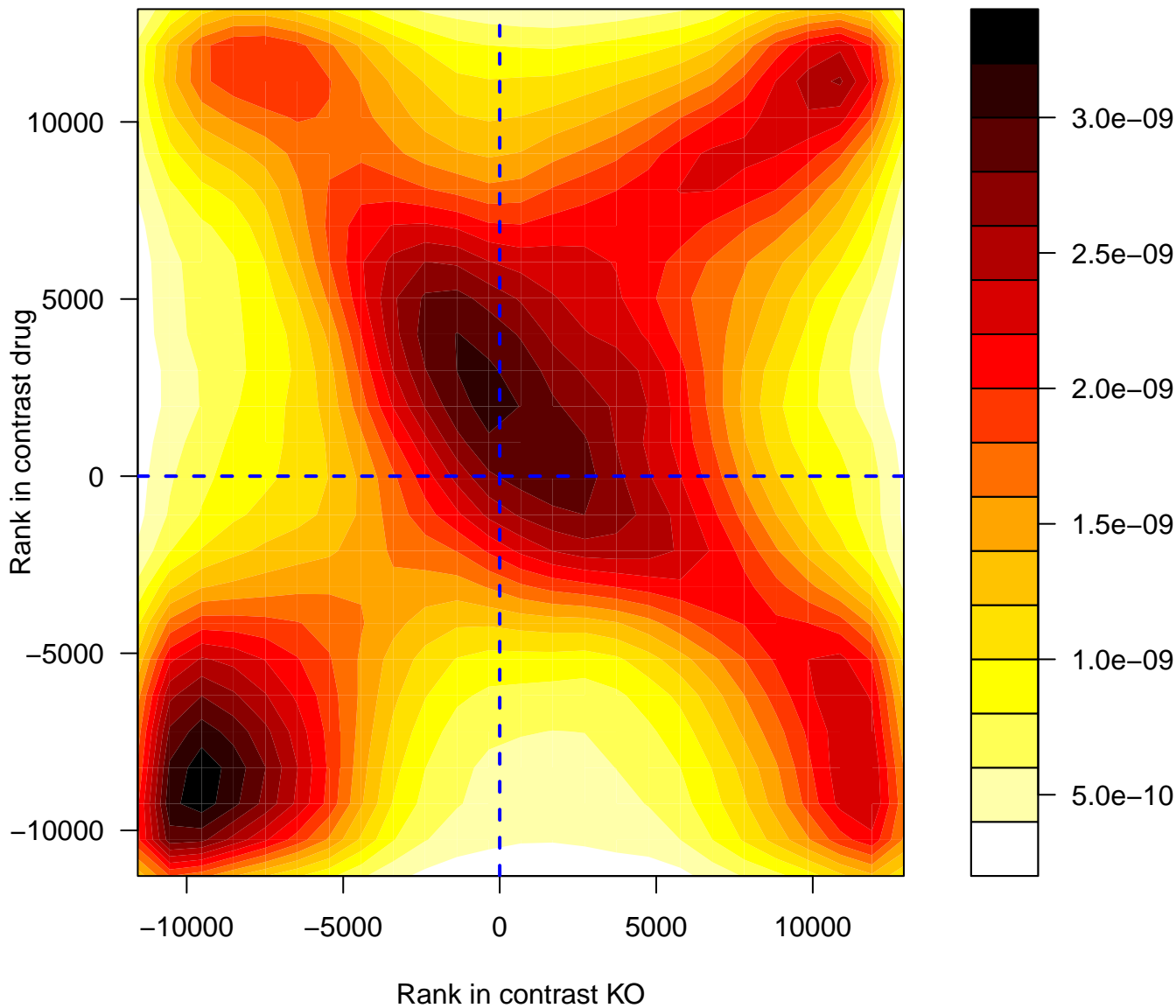


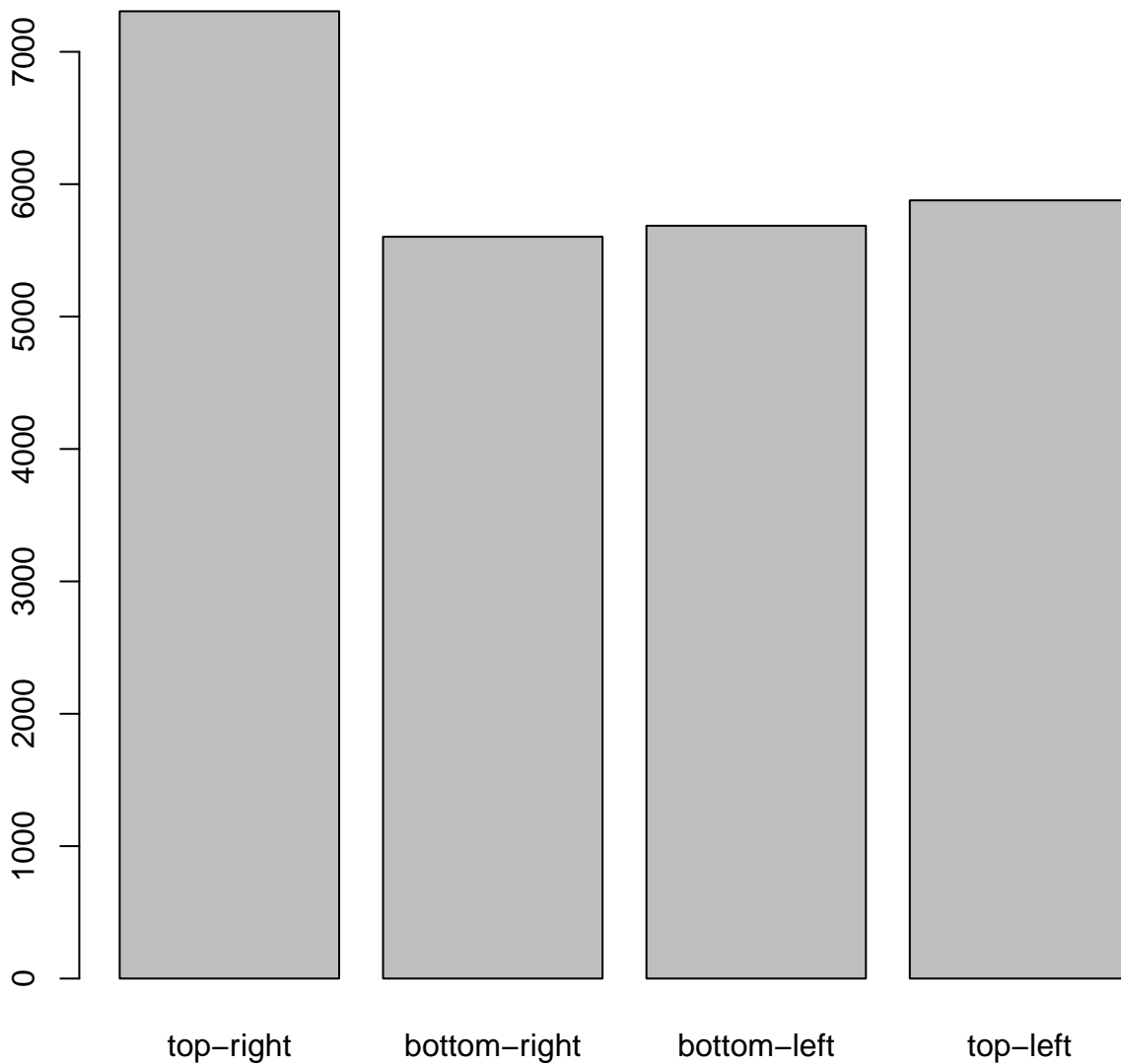
Scatterplot of all genes



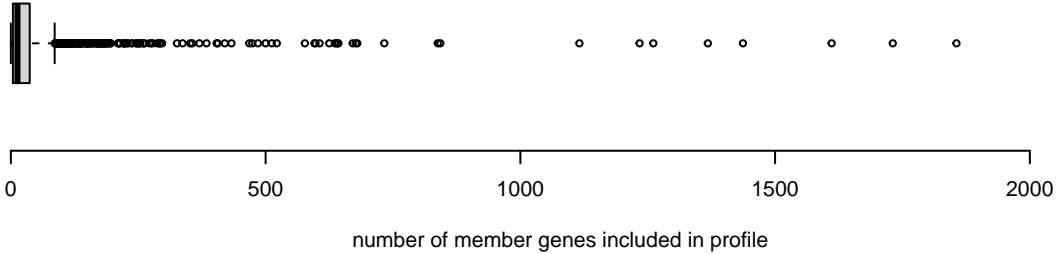
Rank-rank plot of all genes



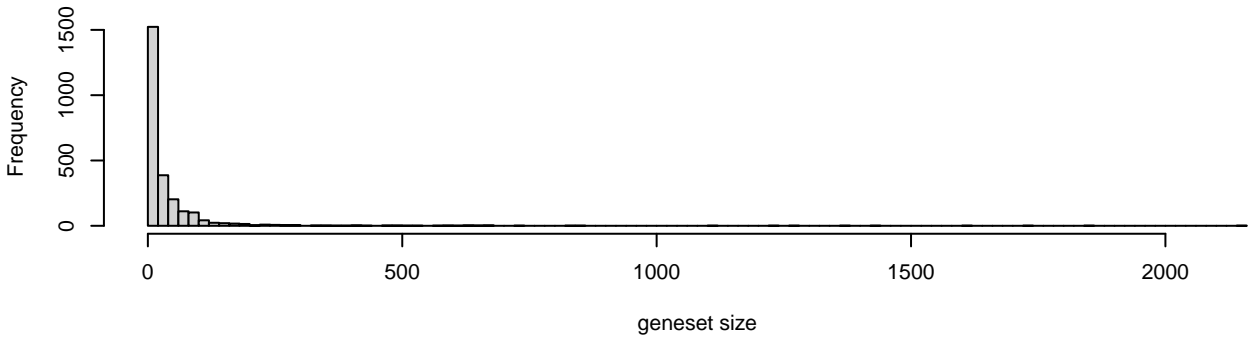
number of genes in each quadrant



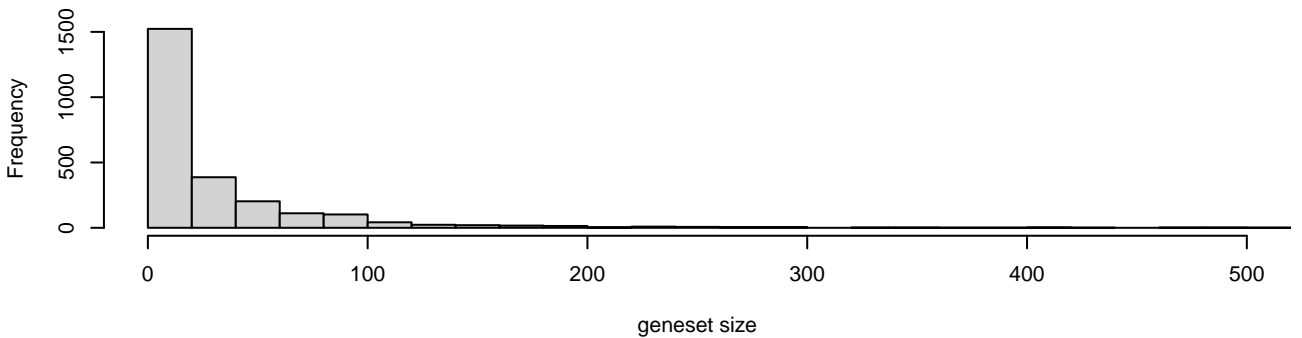
Gene set size



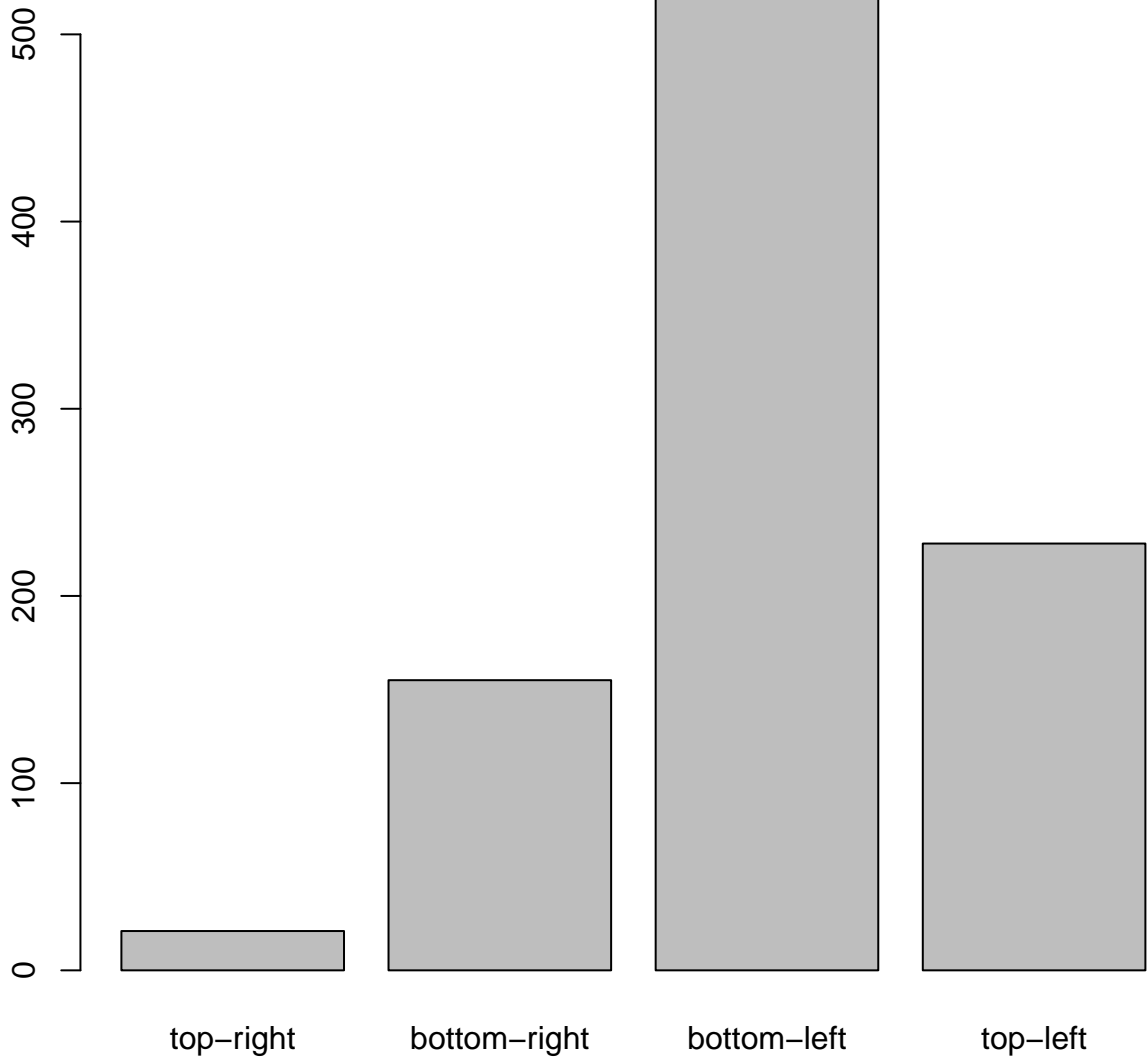
Histogram of geneset size



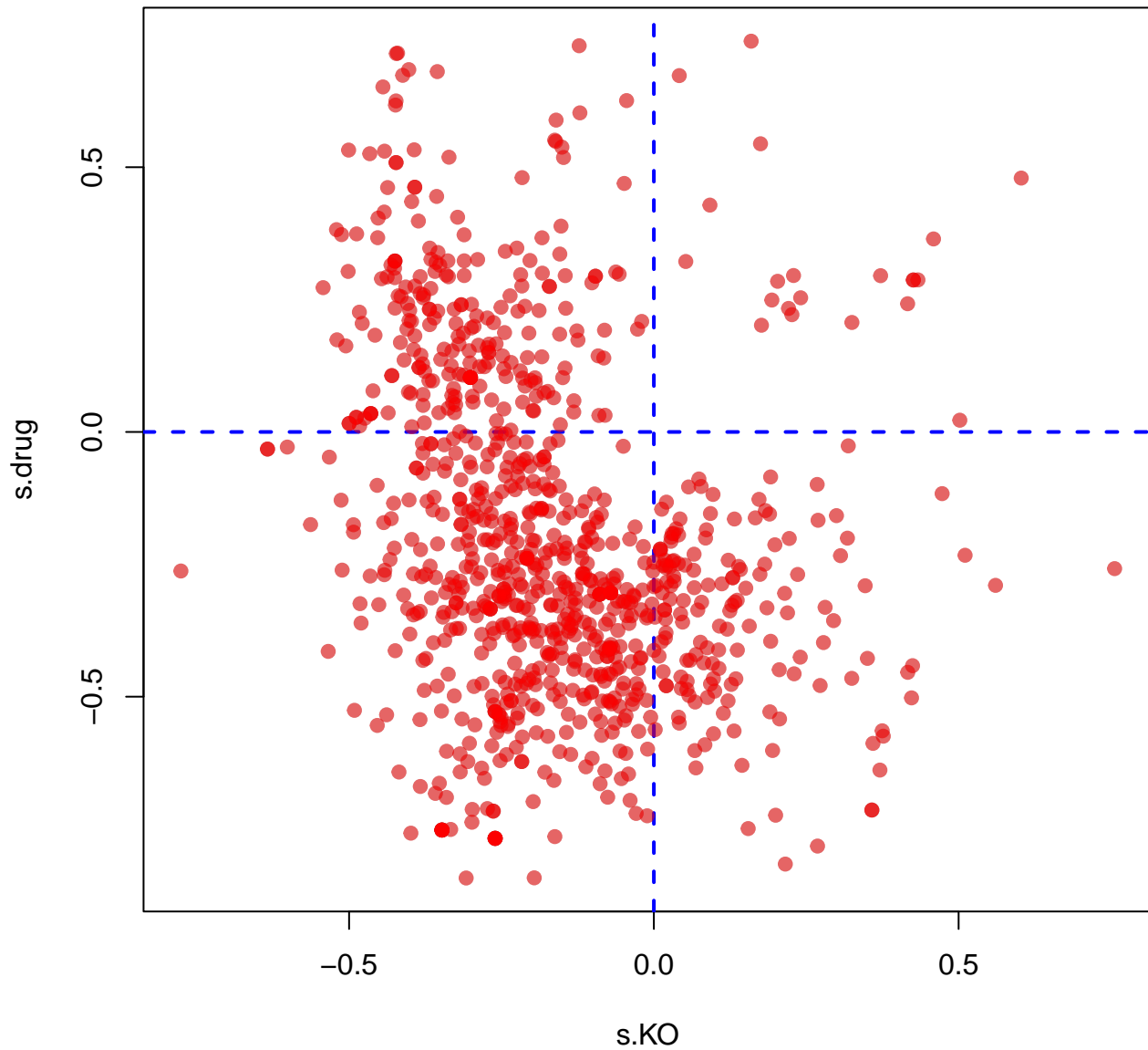
Trimmed histogram of geneset size



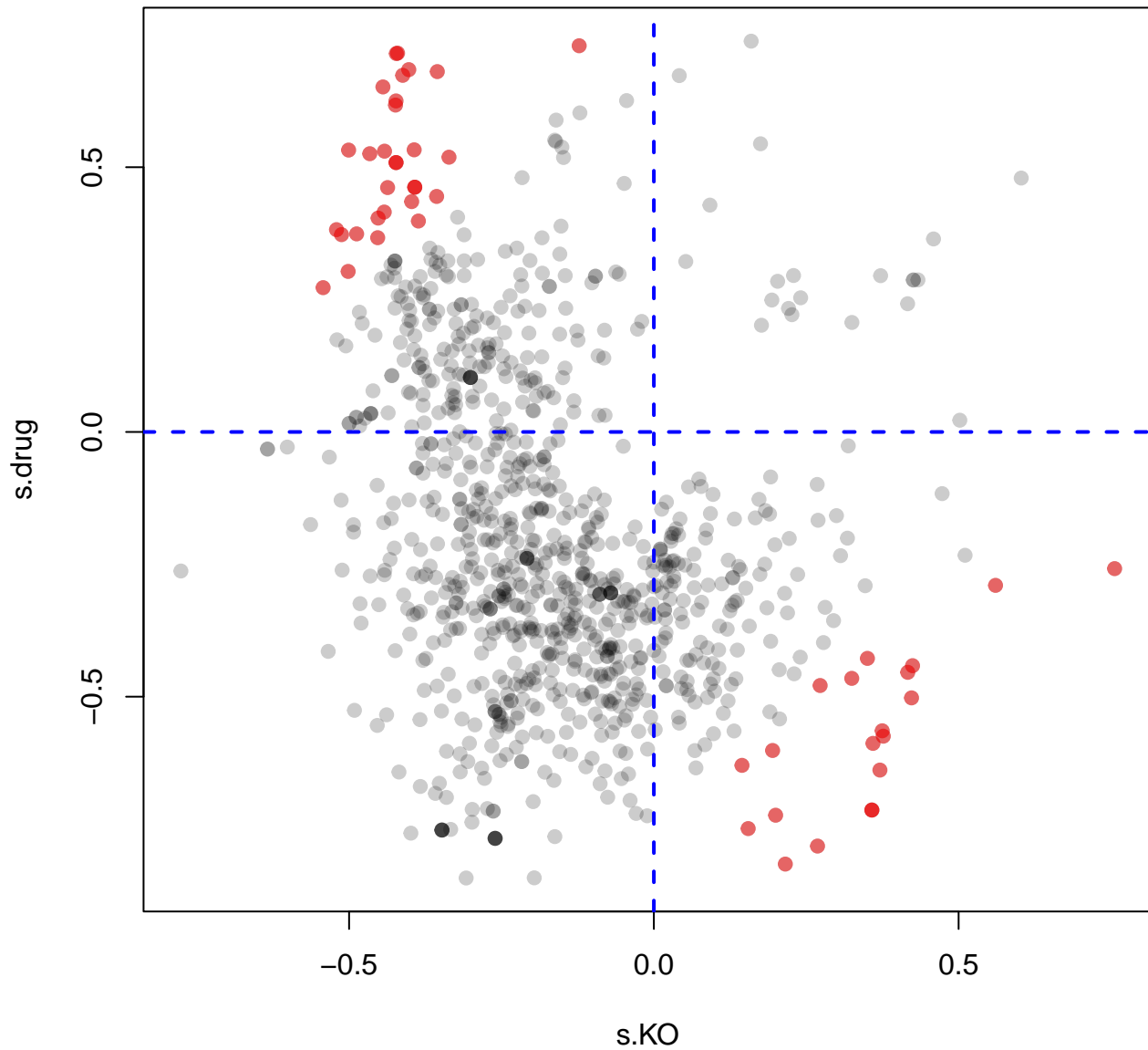
number of genesets FDR<0.05



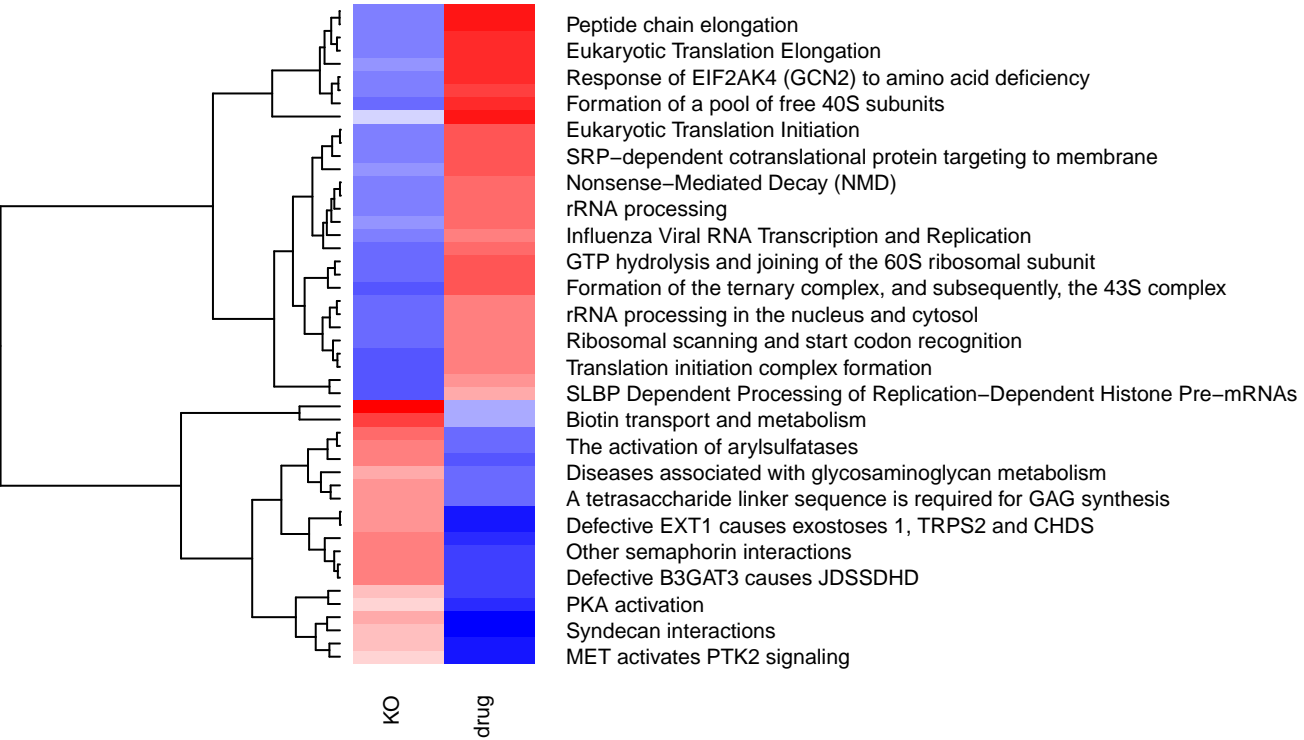
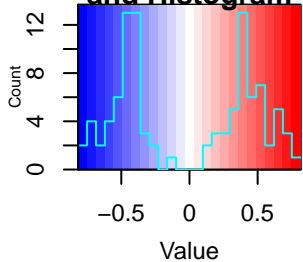
Scatterplot of all gene sets; FDR<0.05 in red



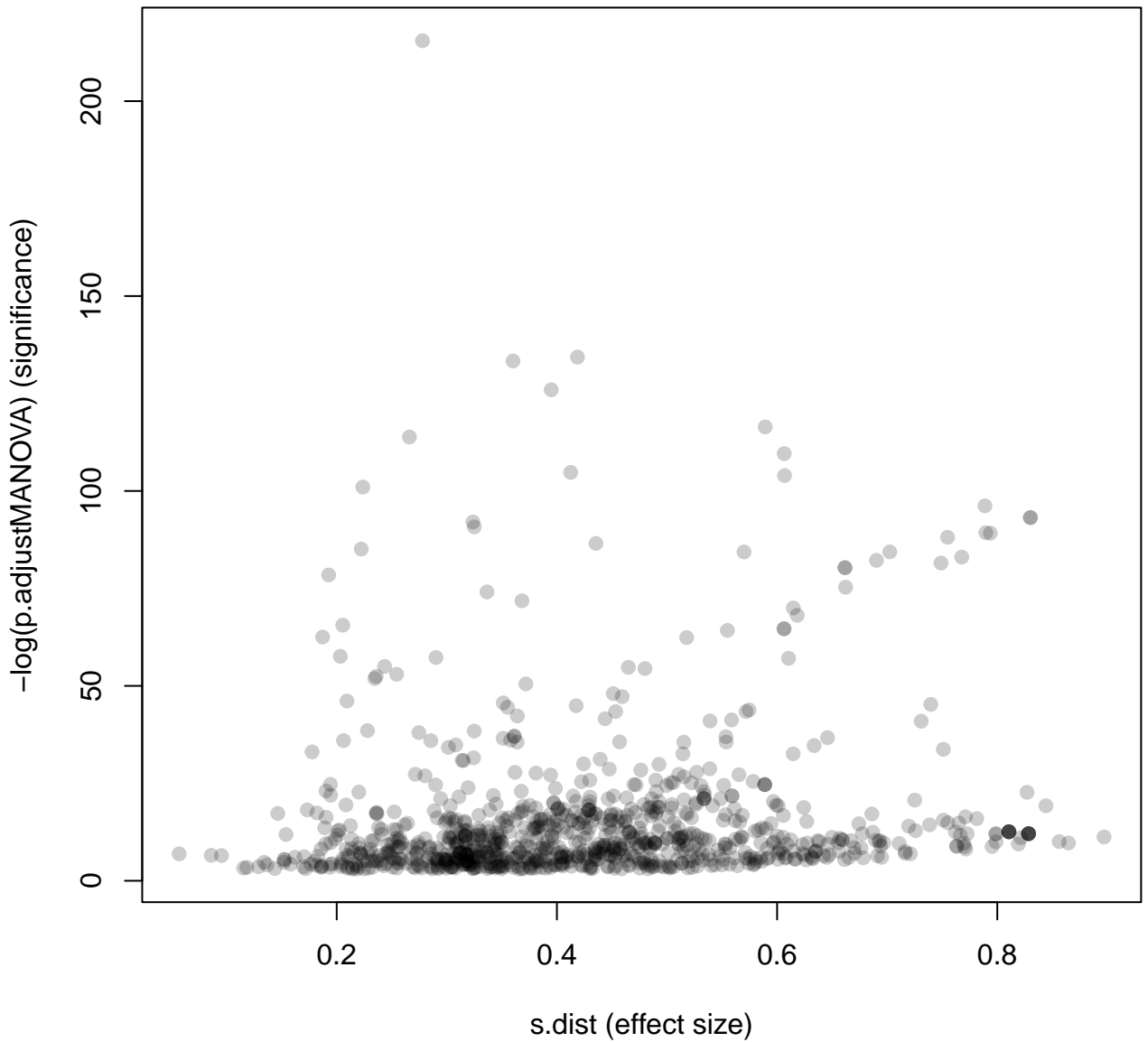
Scatterplot of all gene sets; top 50 in red



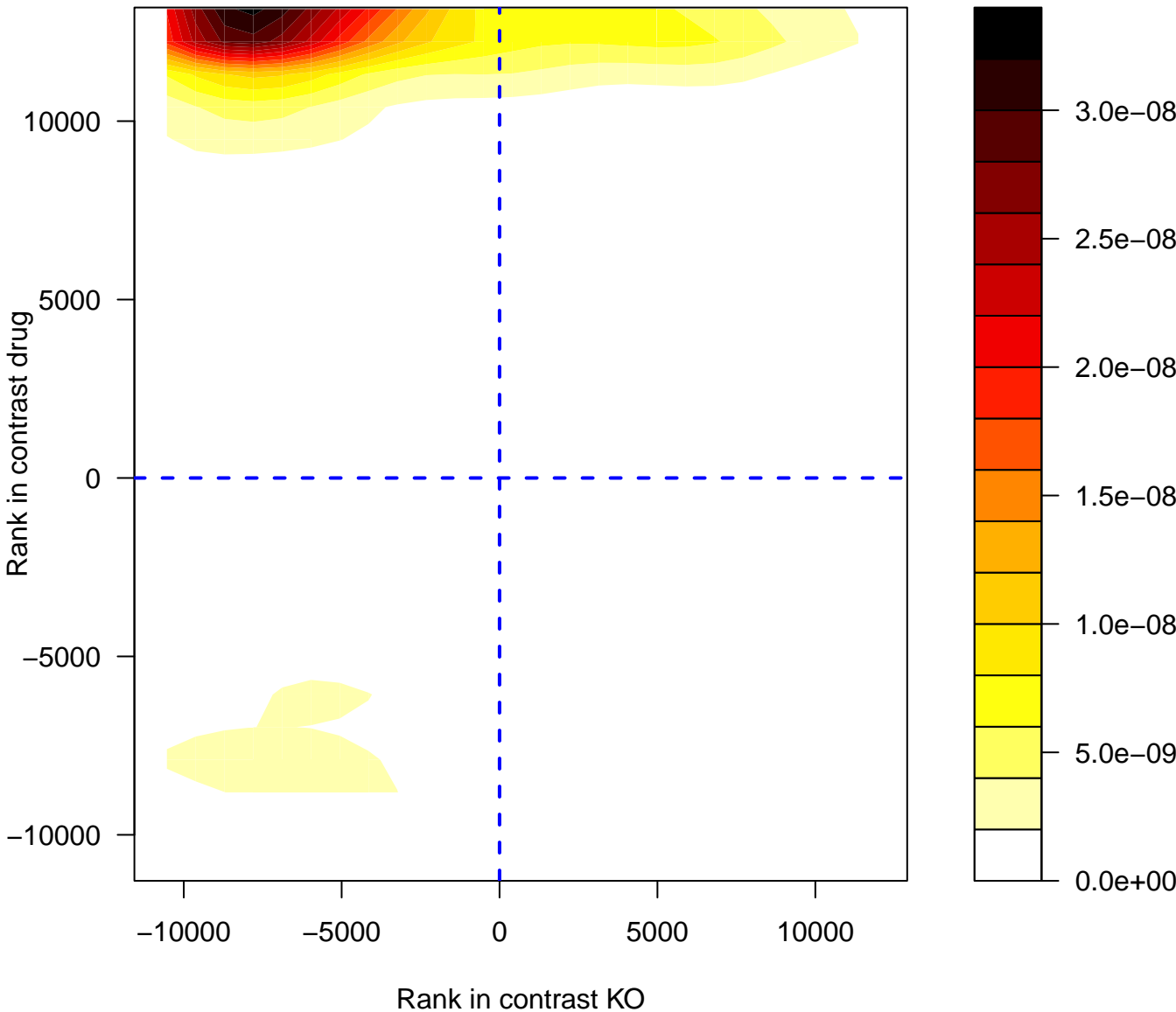
Color Key and Histogram



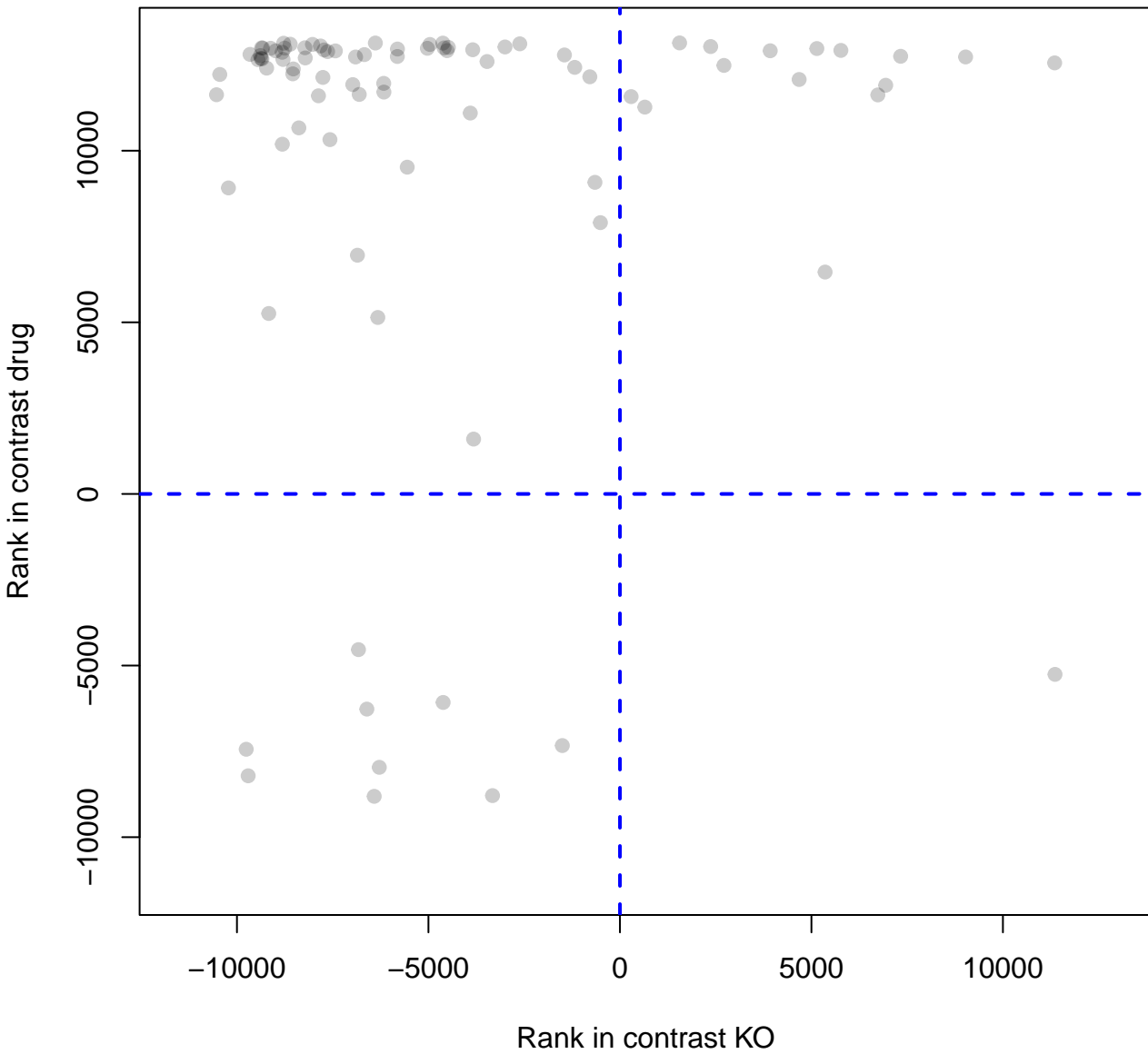
effect size versus statistical significance



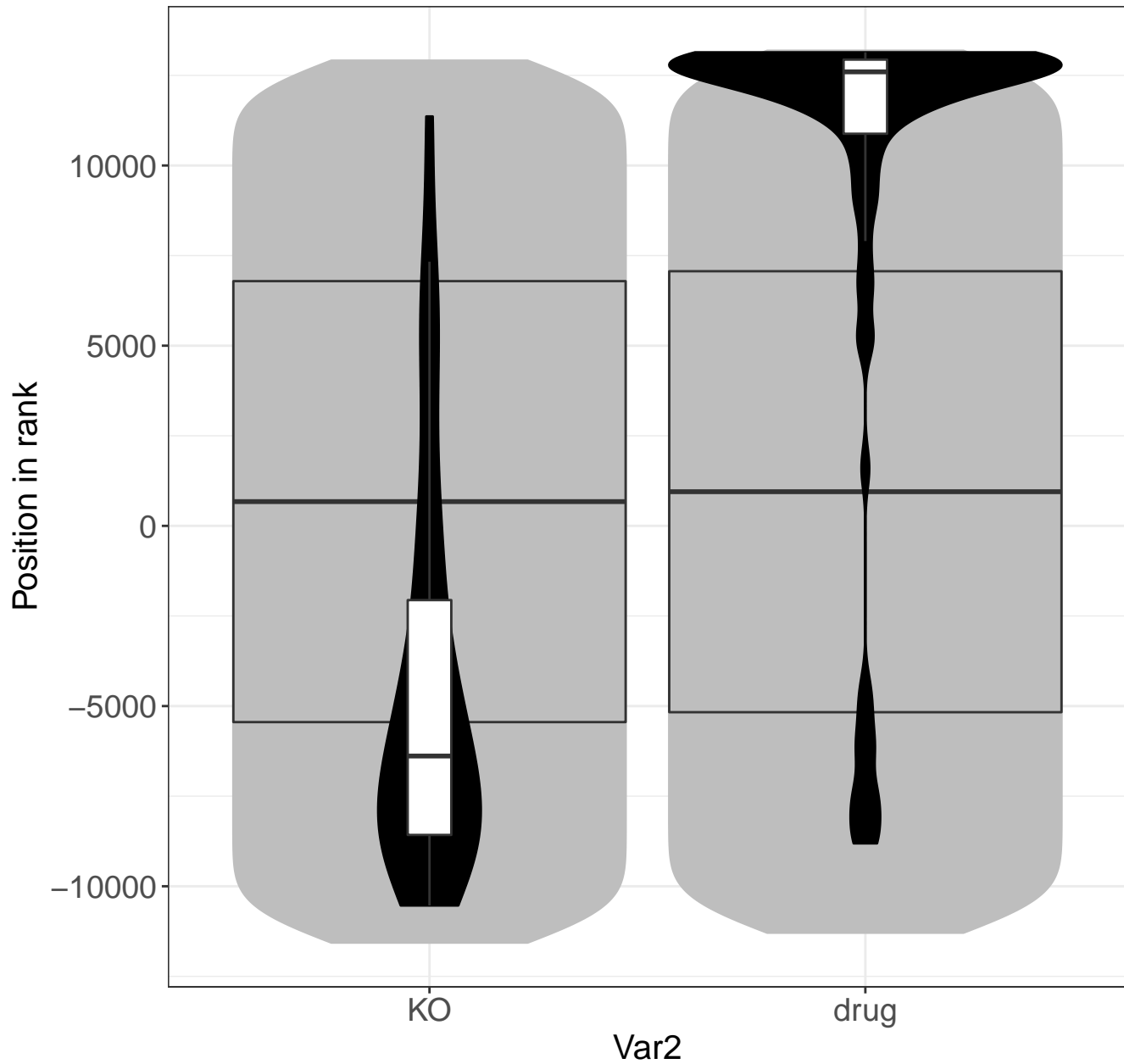
Peptide chain elongation



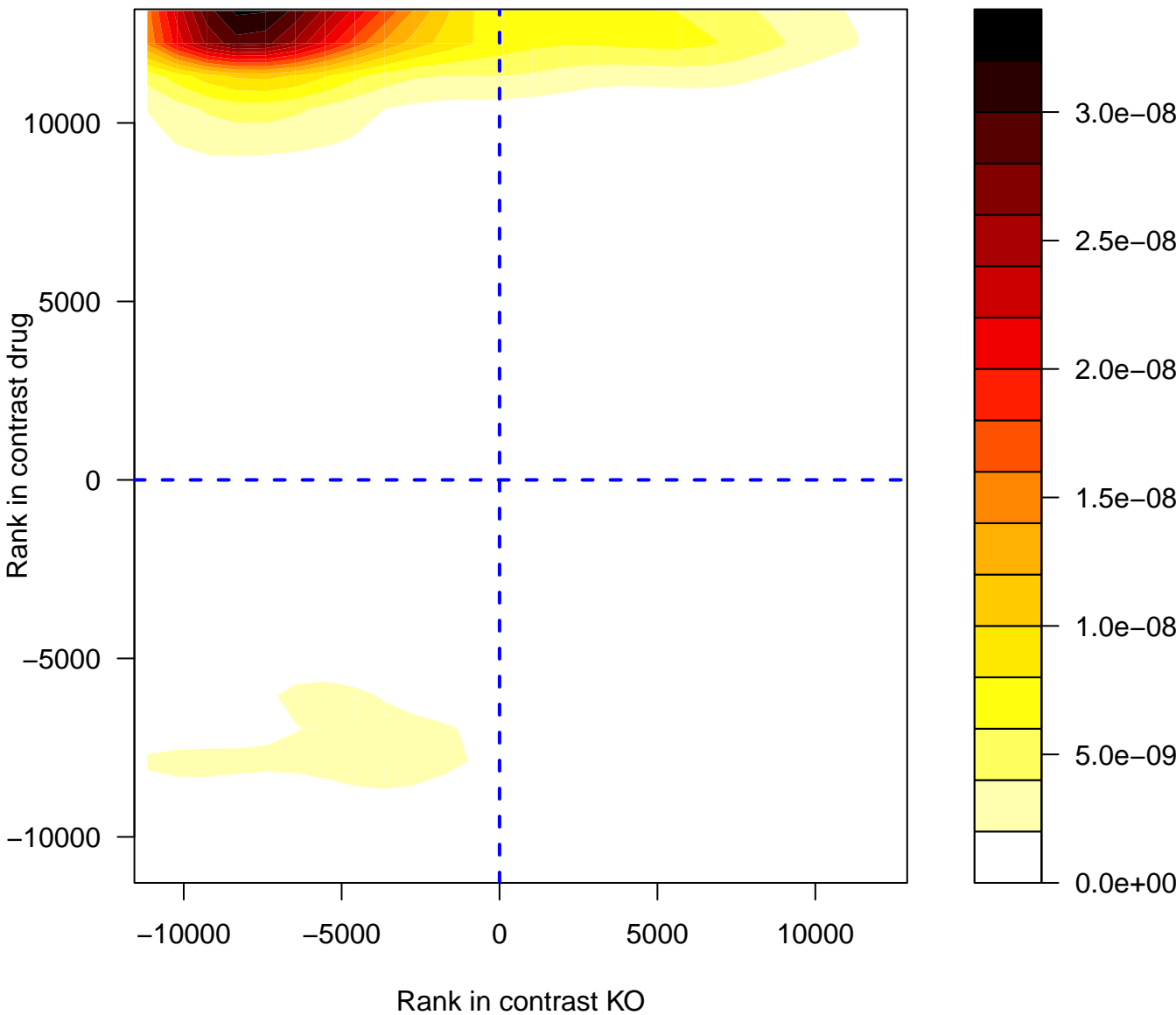
Peptide chain elongation



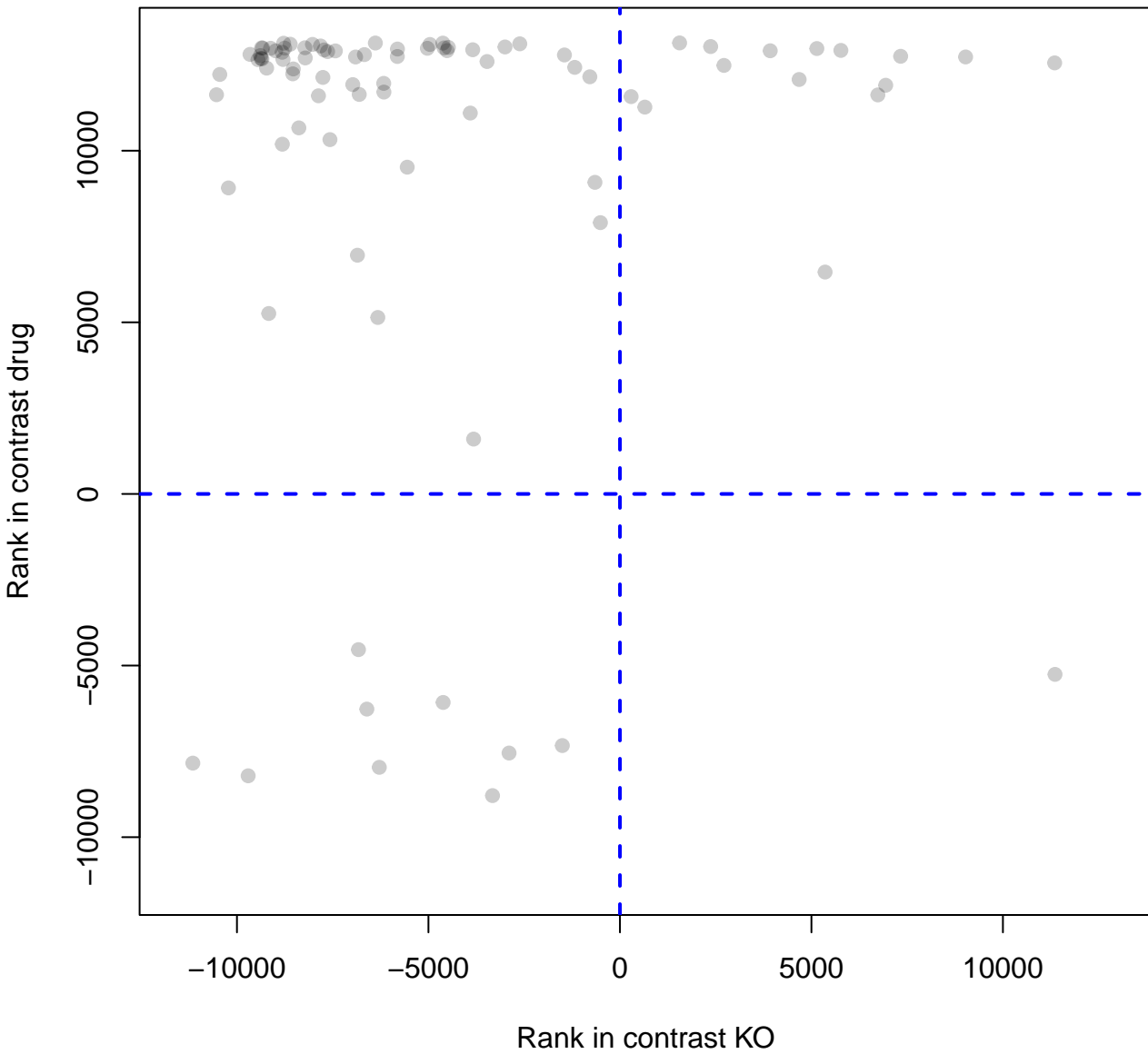
Peptide chain elongation



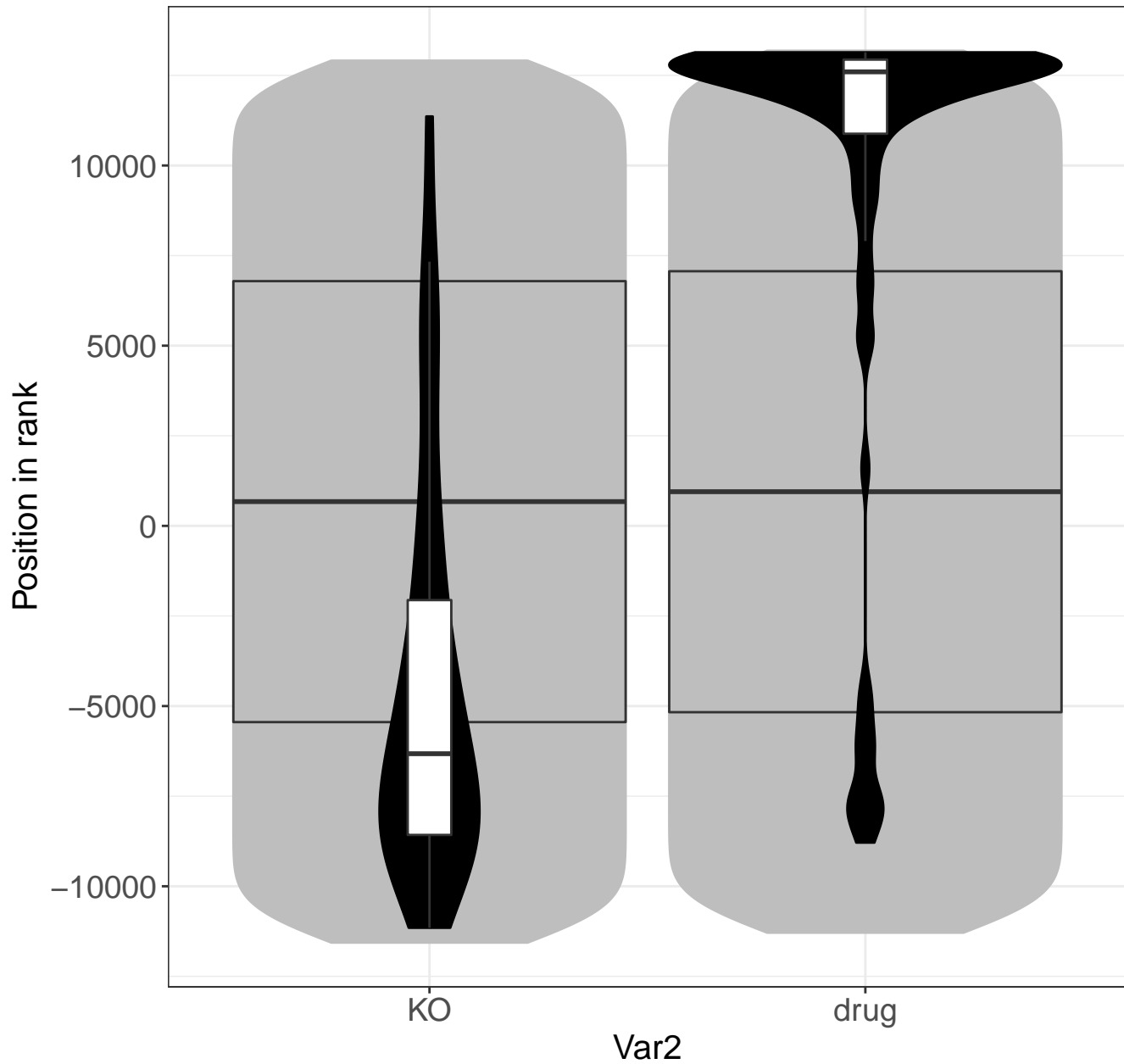
Viral mRNA Translation



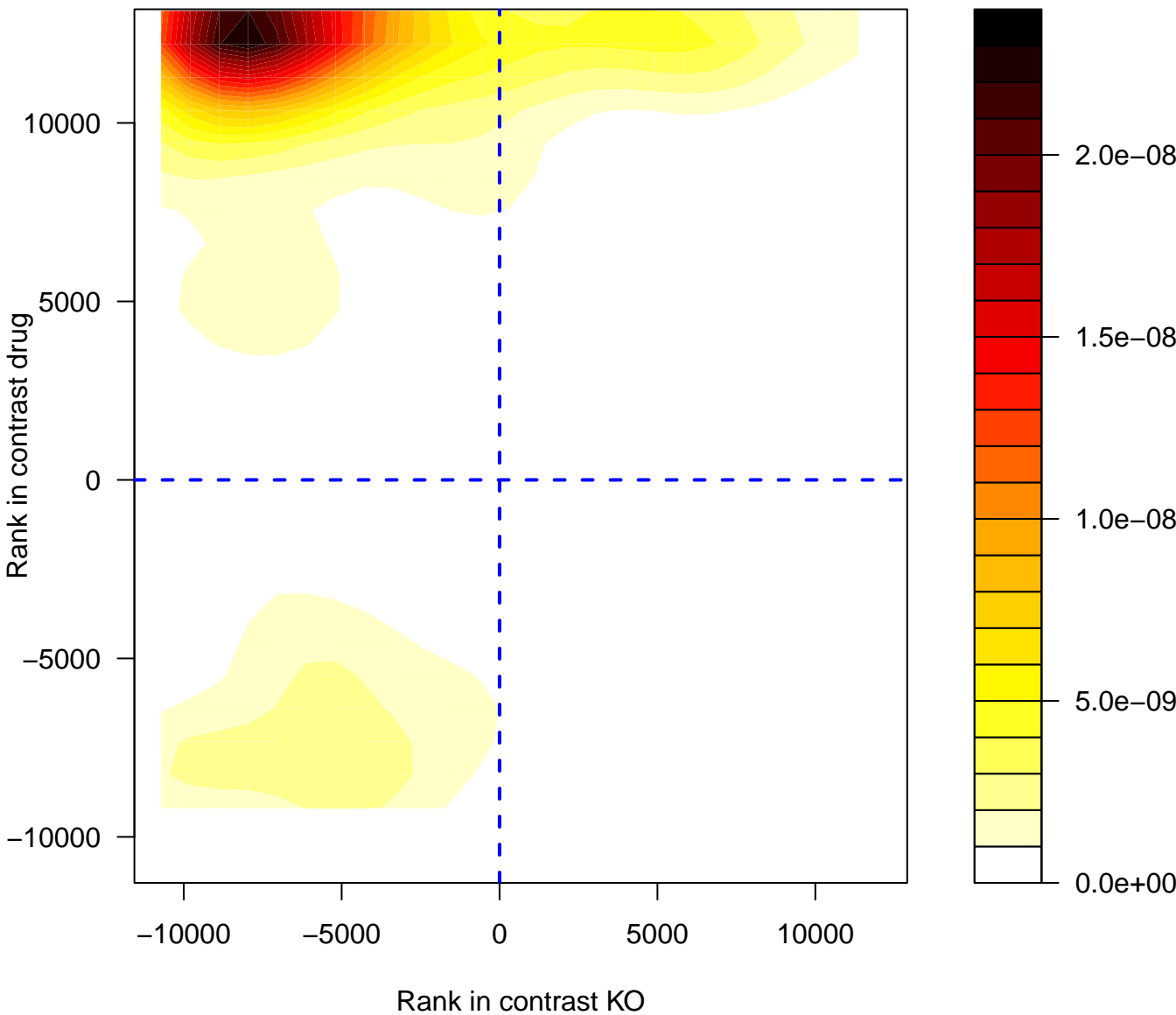
Viral mRNA Translation



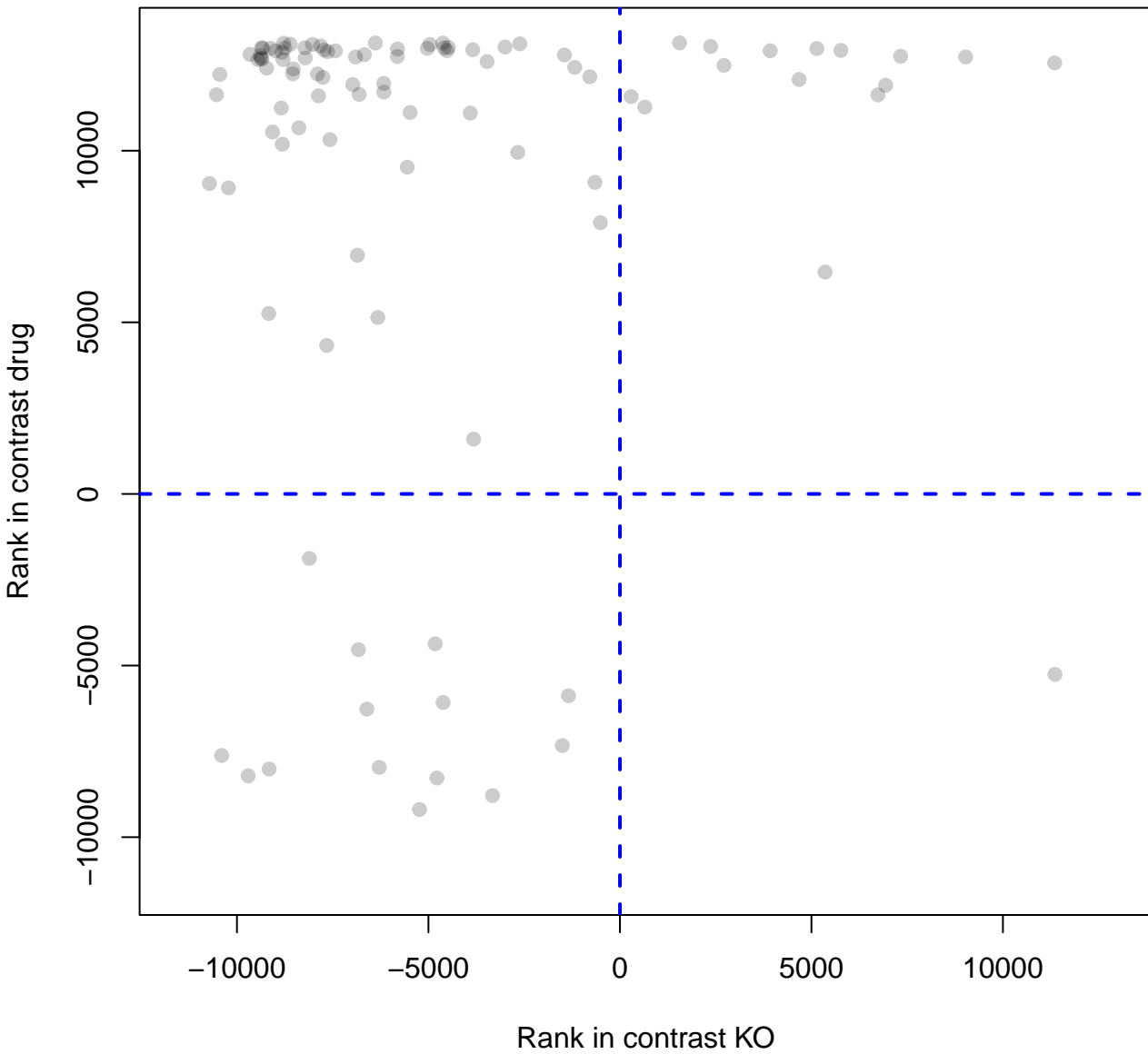
Viral mRNA Translation



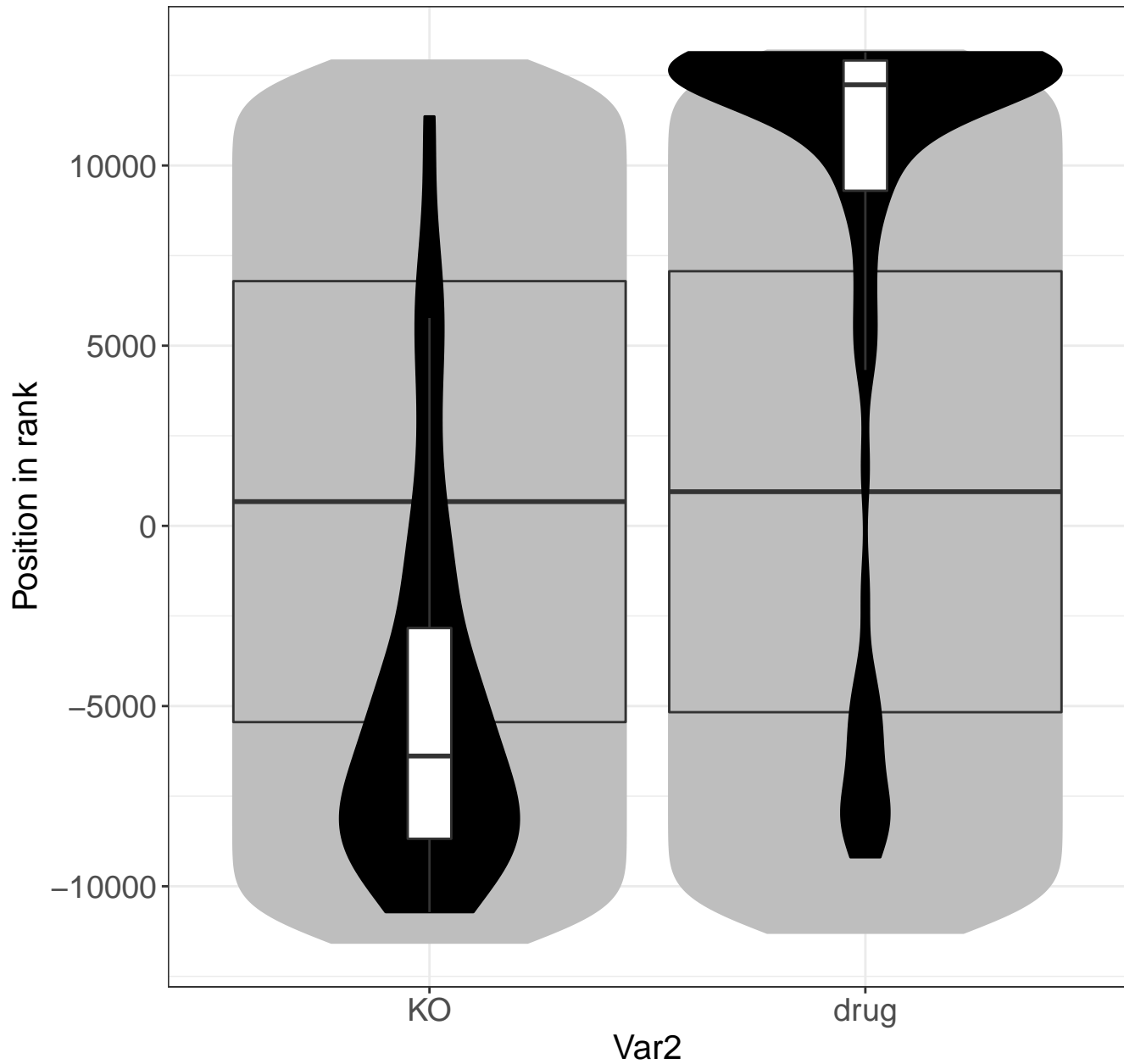
Formation of a pool of free 40S subunits



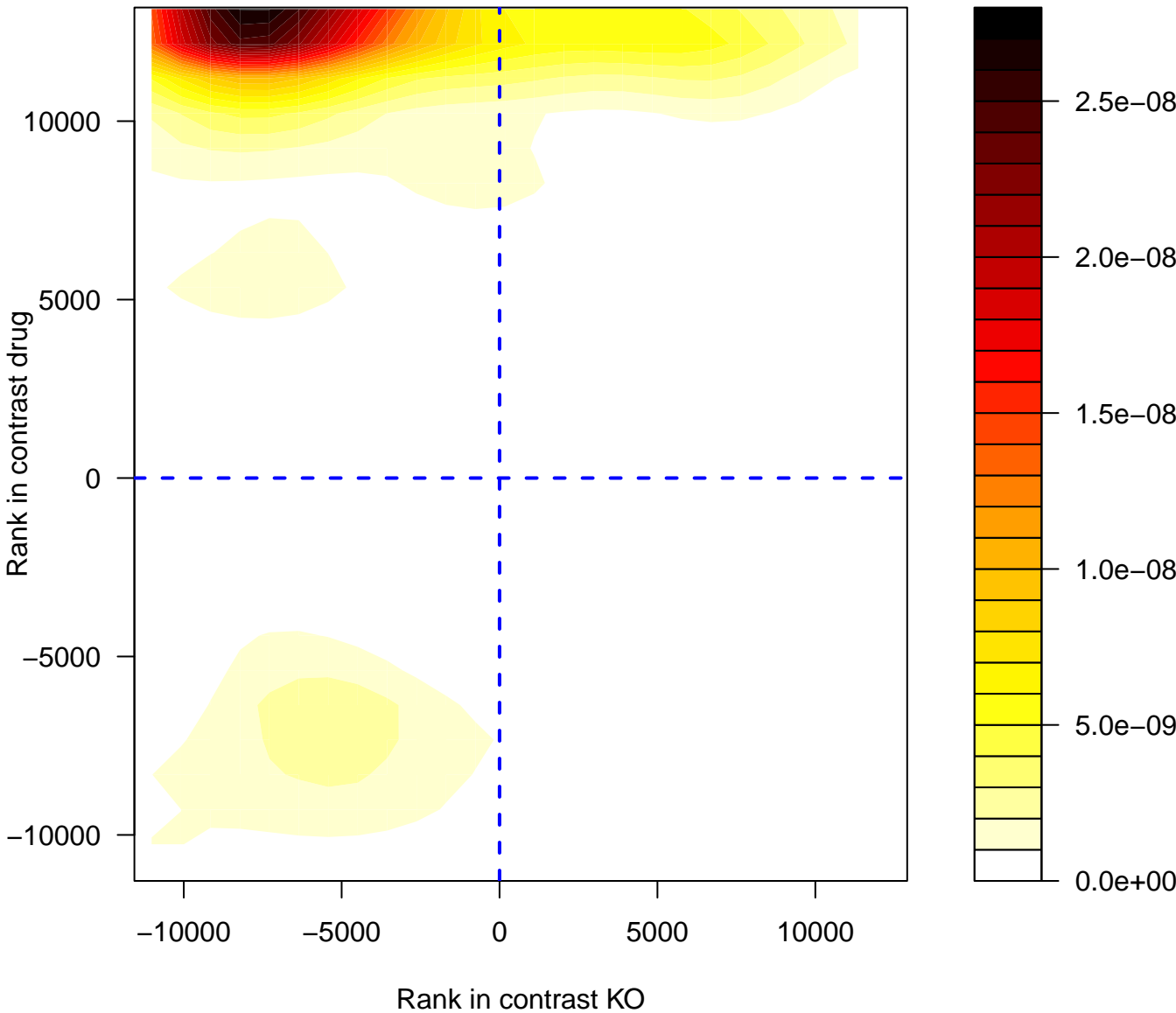
Formation of a pool of free 40S subunits



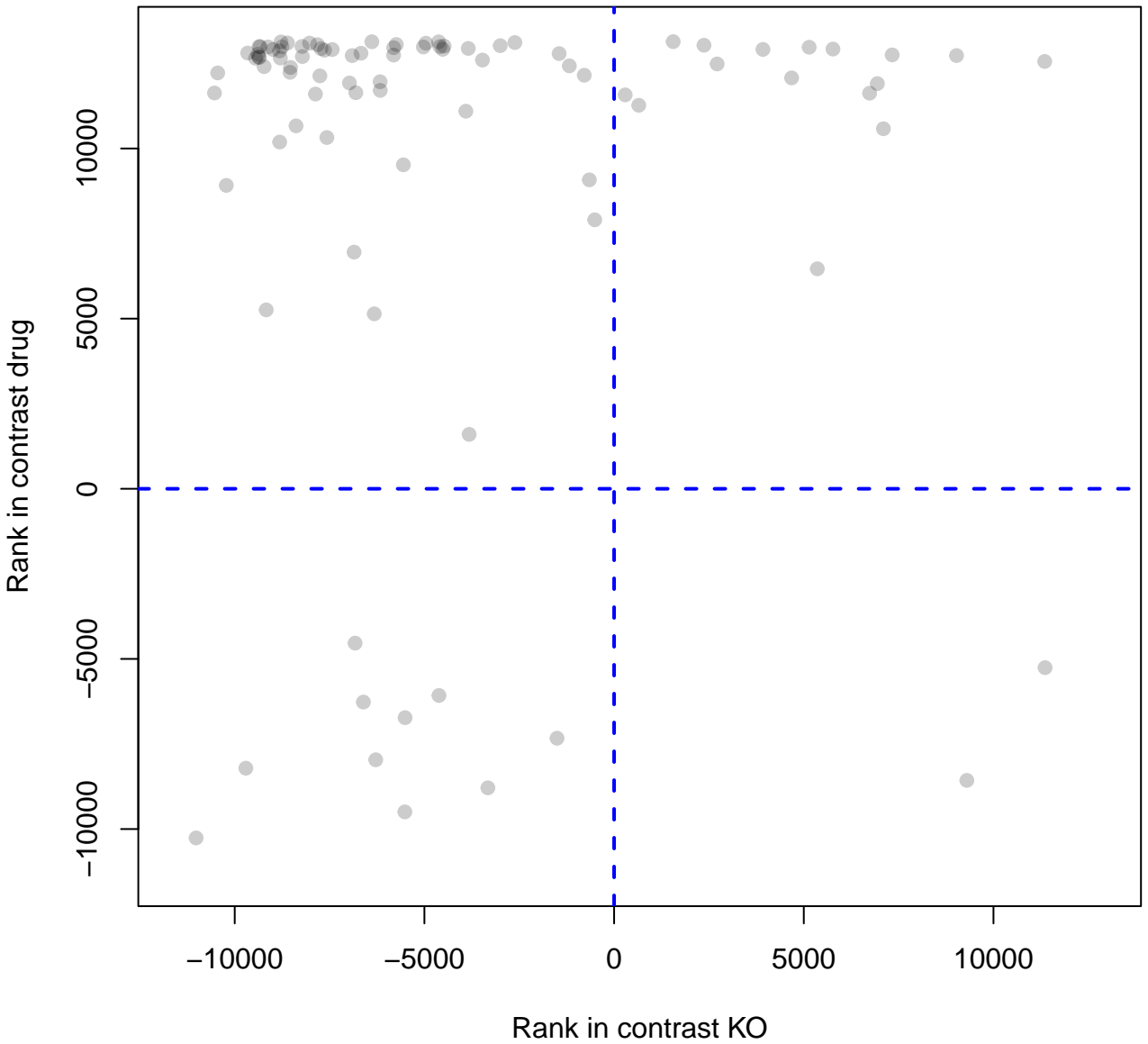
Formation of a pool of free 40S subunits



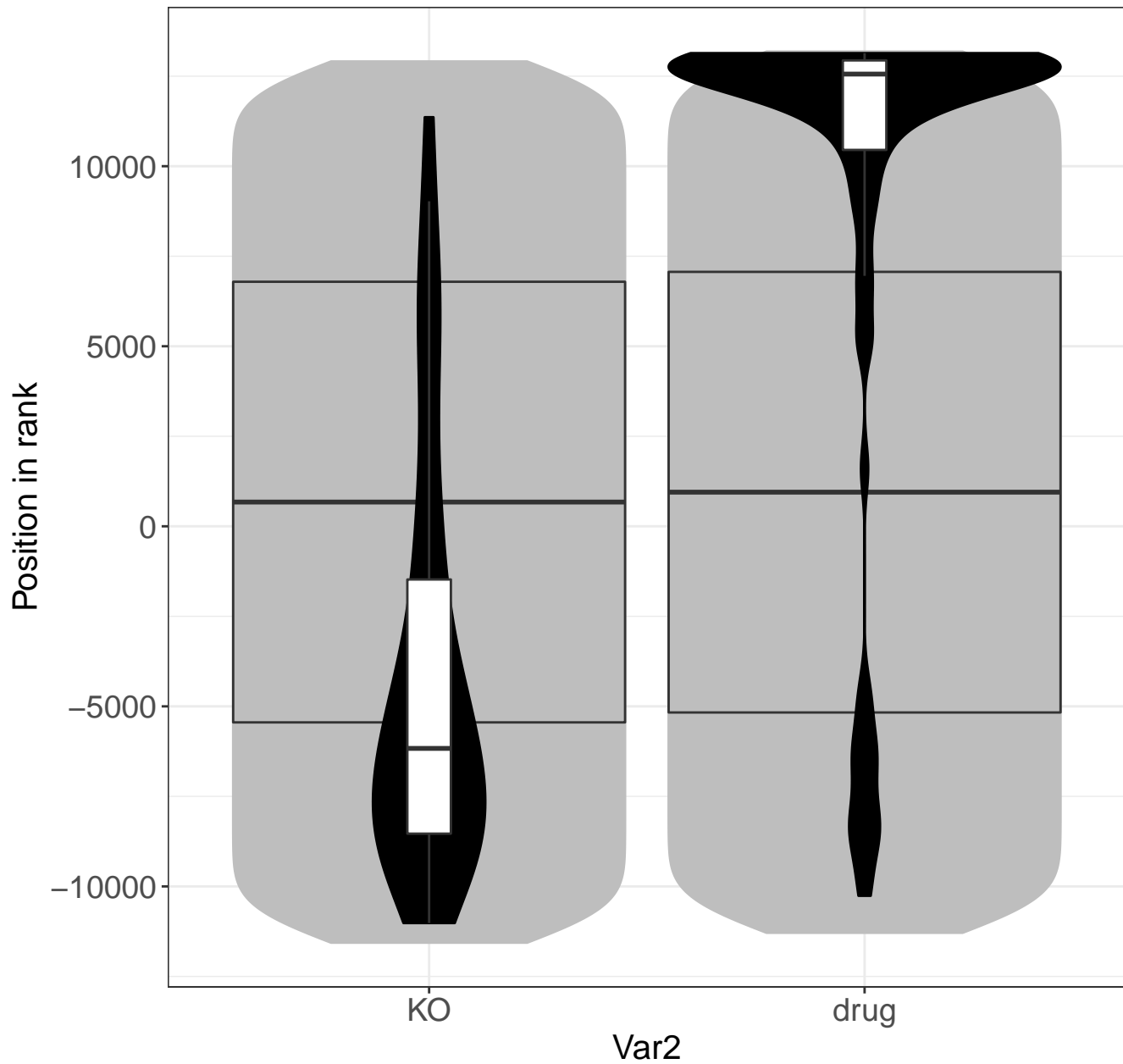
Eukaryotic Translation Termination



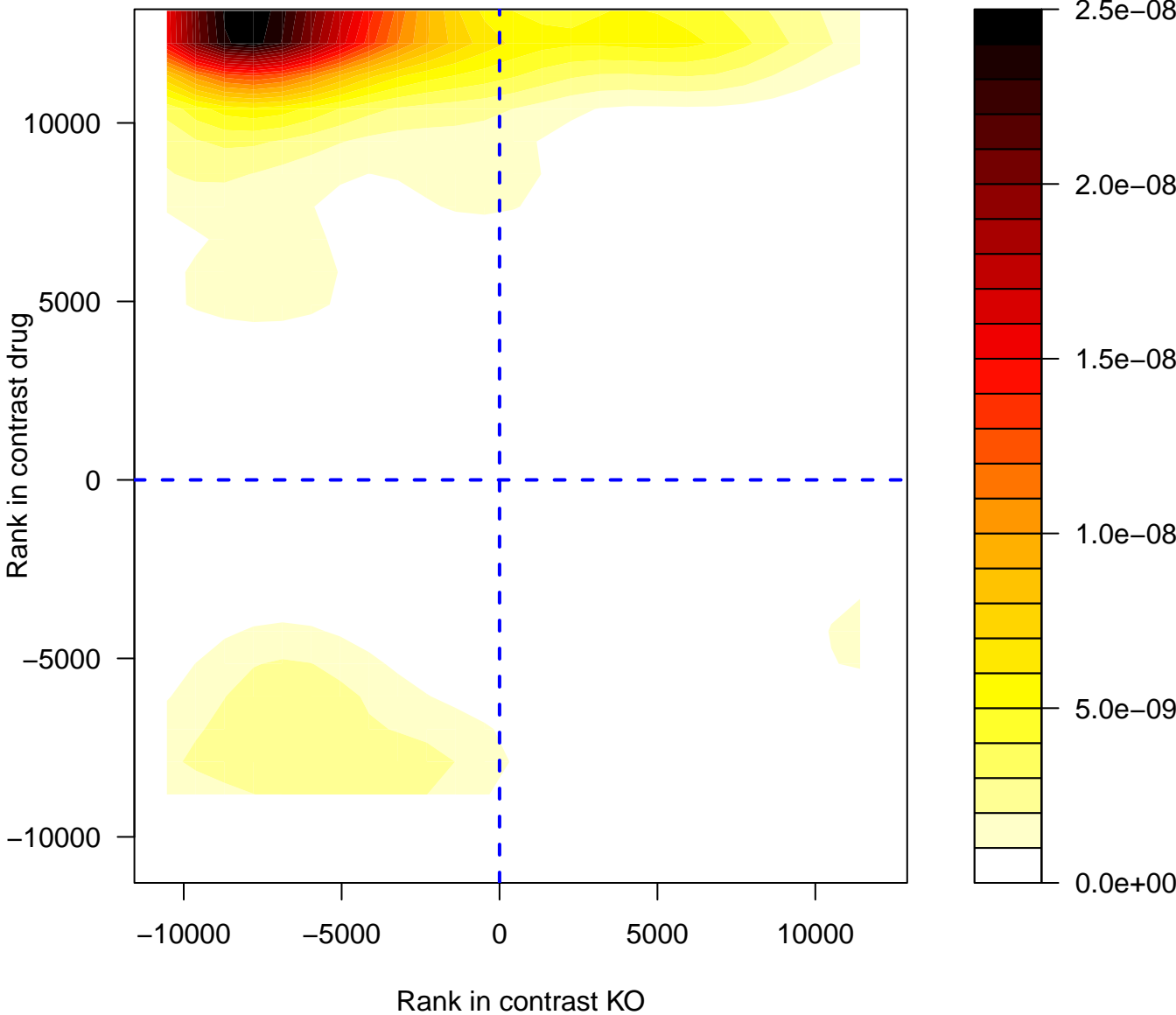
Eukaryotic Translation Termination



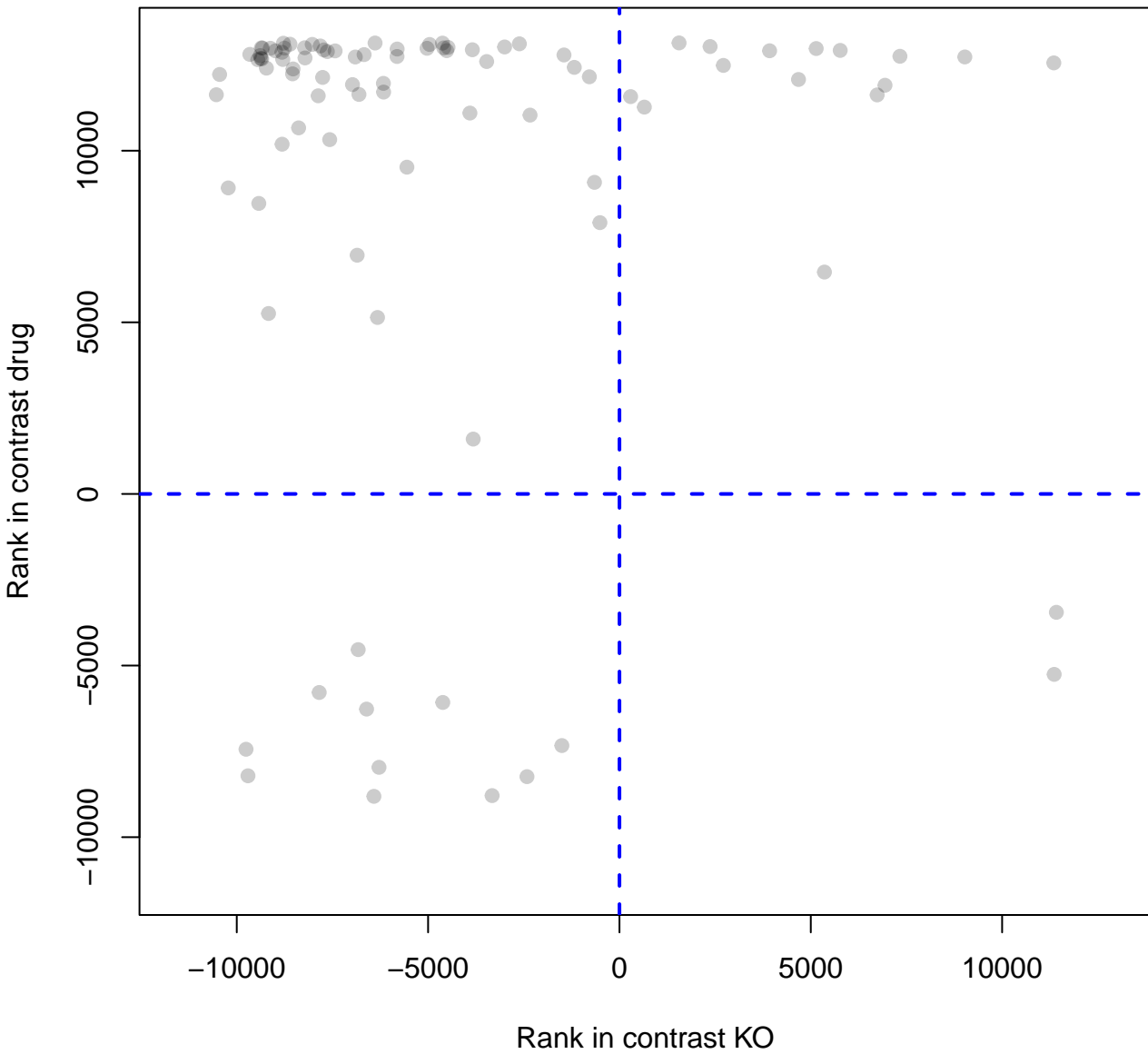
Eukaryotic Translation Termination



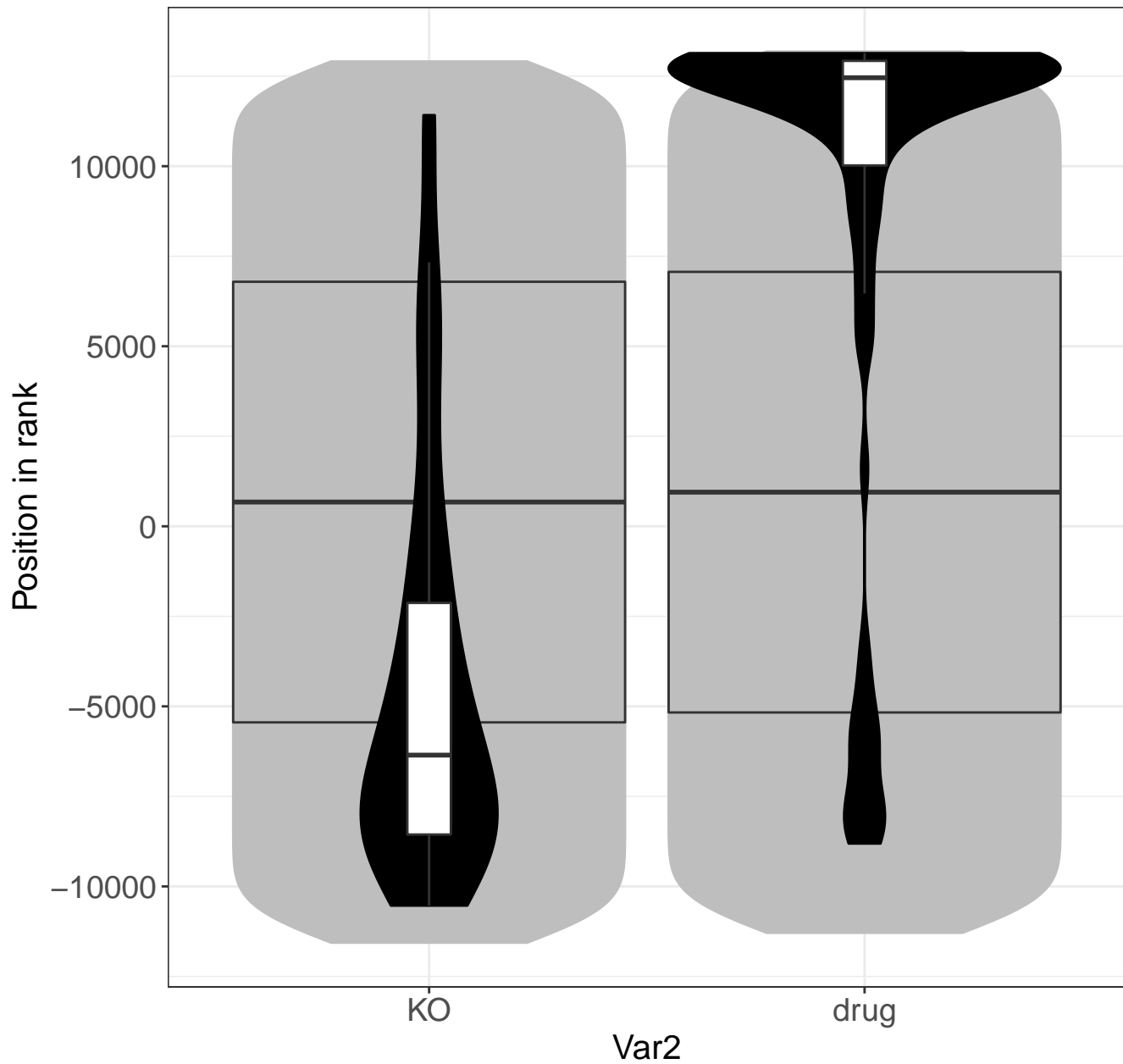
Eukaryotic Translation Elongation



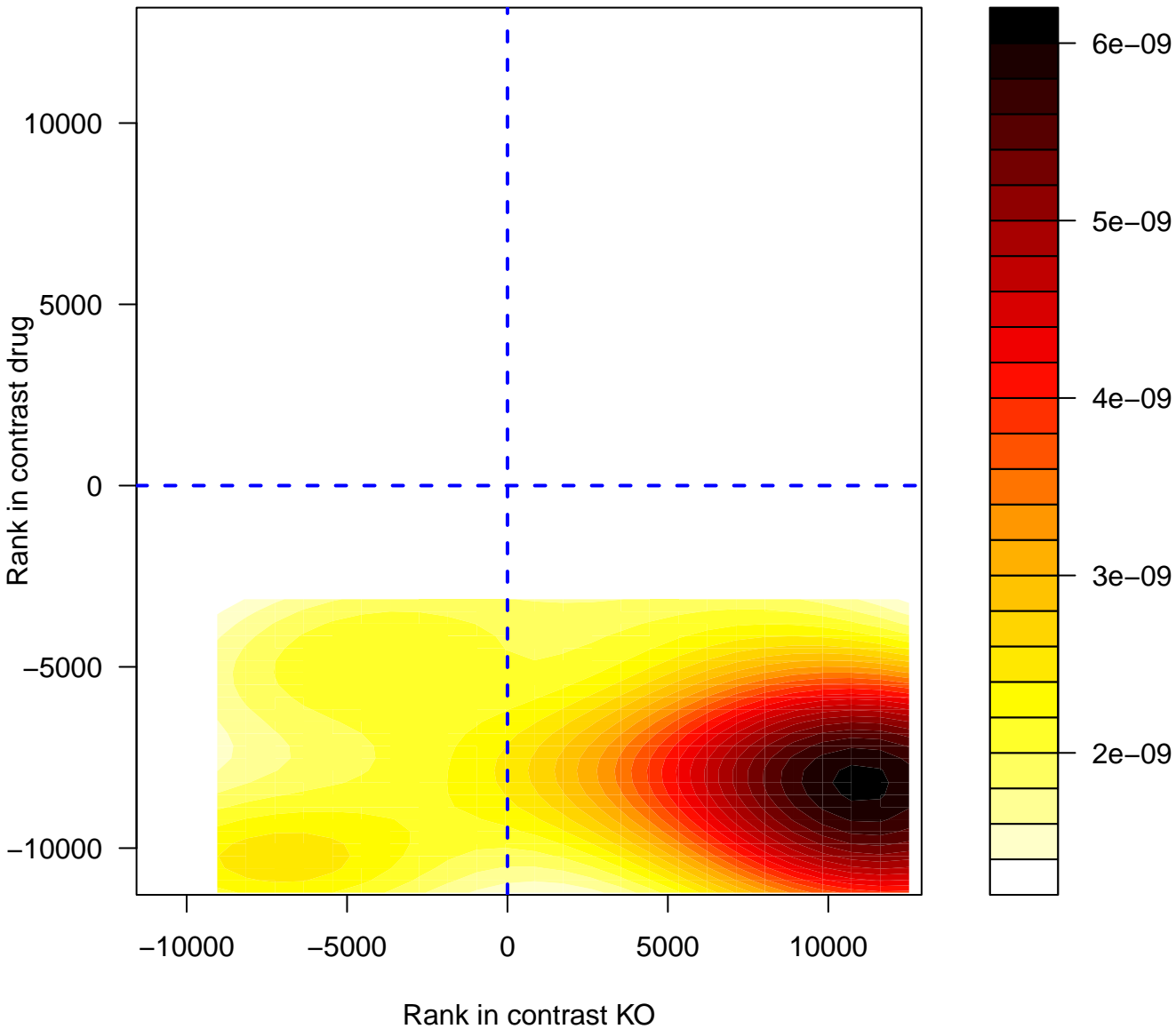
Eukaryotic Translation Elongation



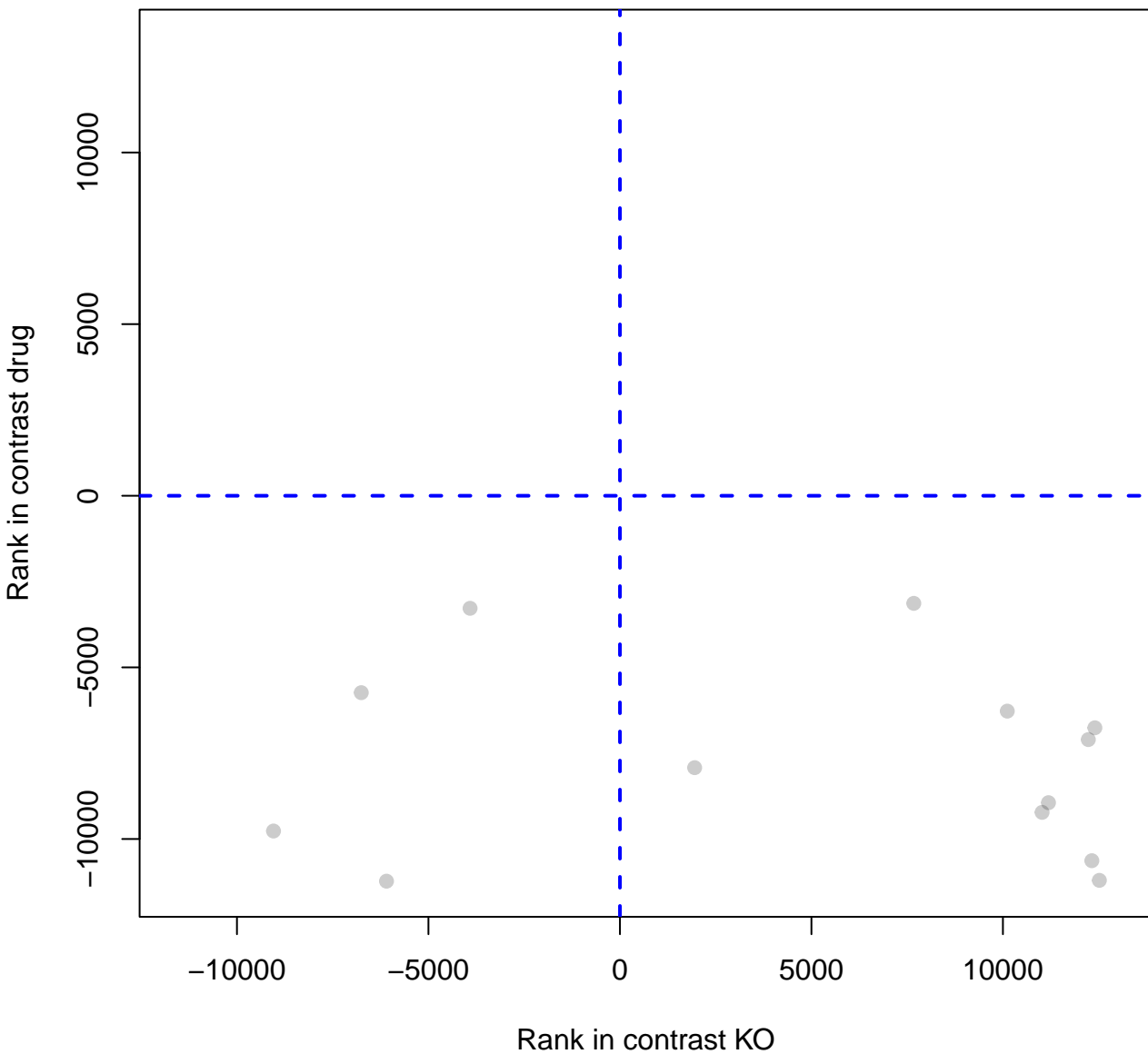
Eukaryotic Translation Elongation



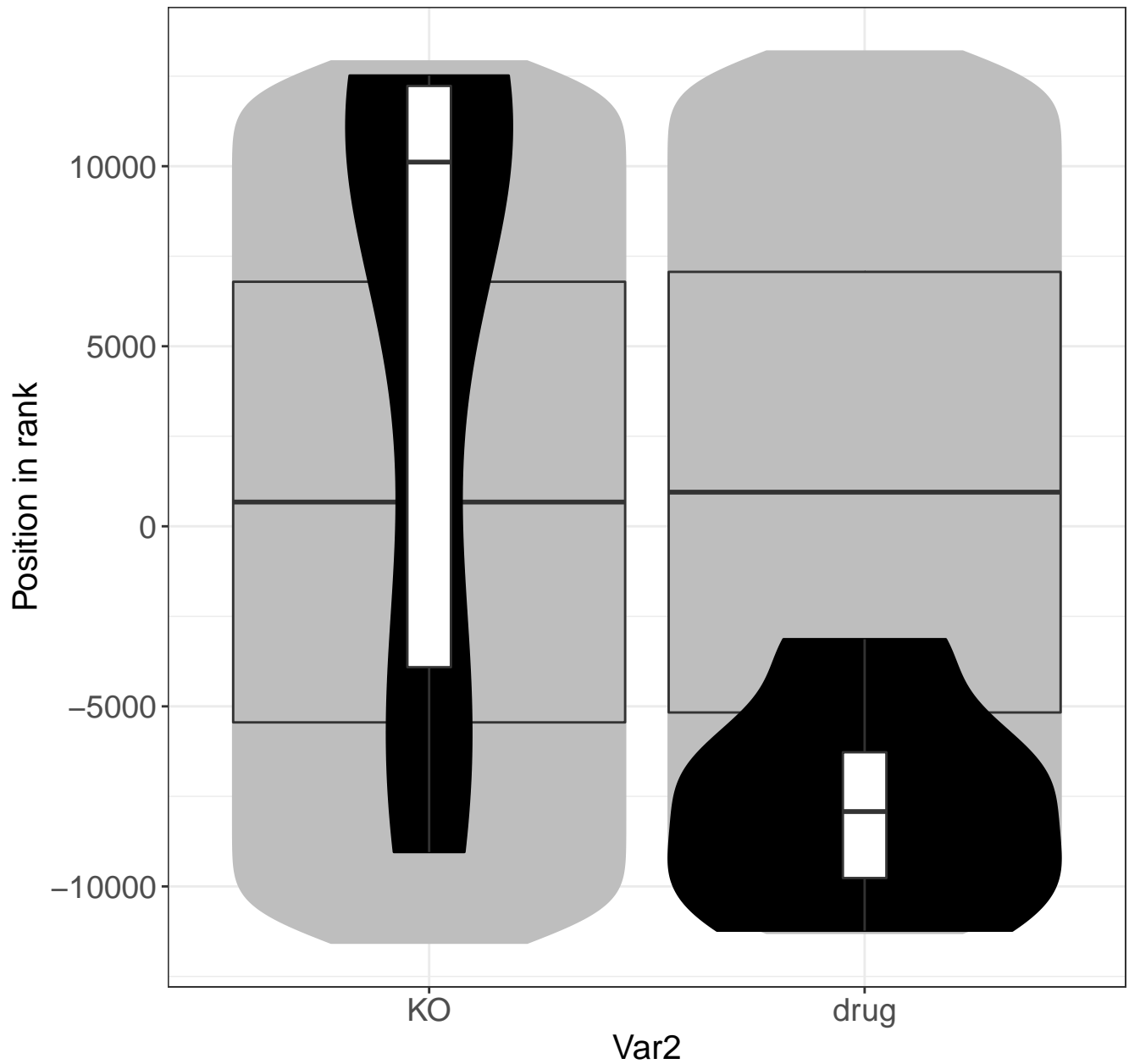
Defective EXT1 causes exostoses 1, TRPS2 and CHDS



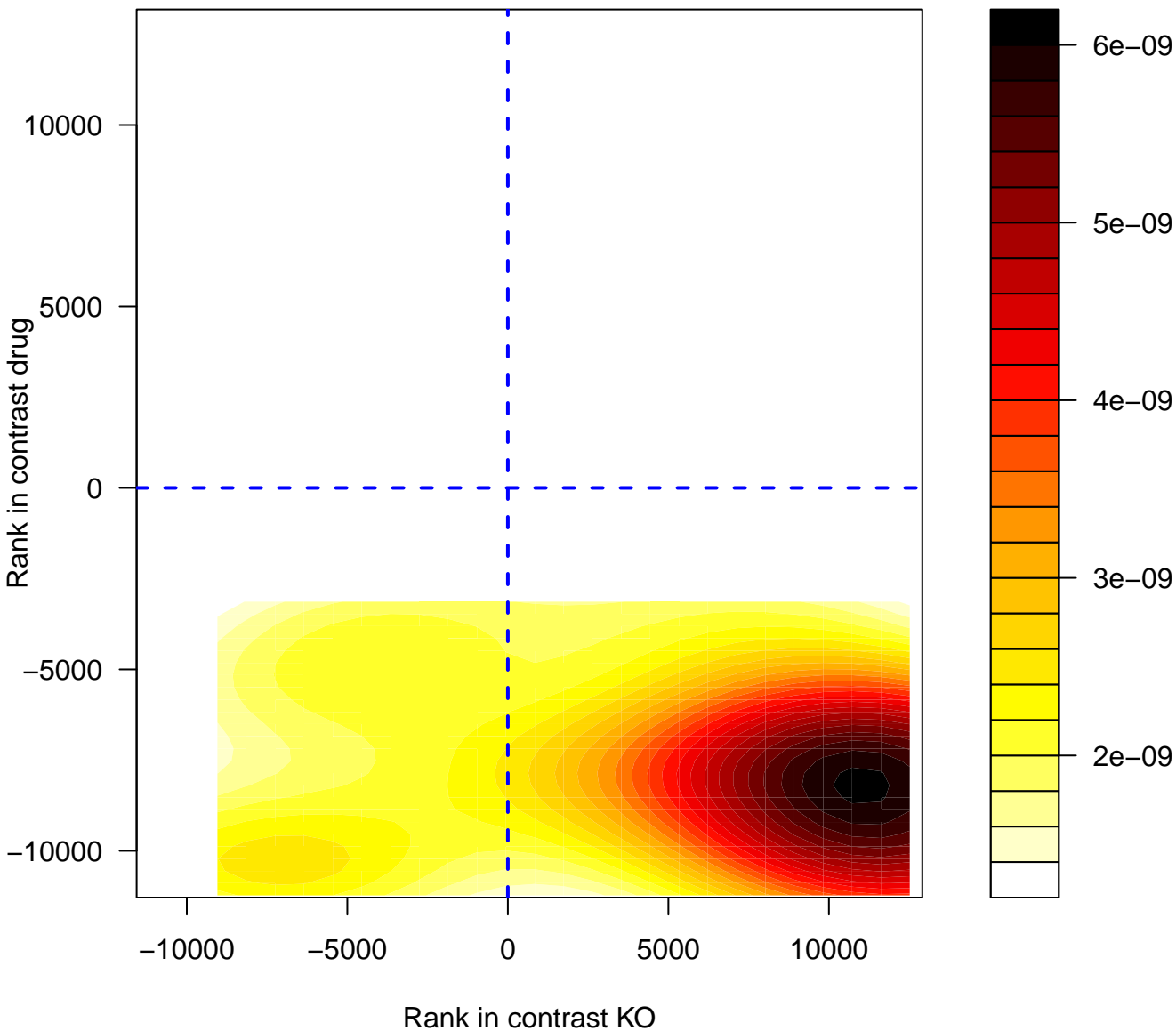
Defective EXT1 causes exostoses 1, TRPS2 and CHDS



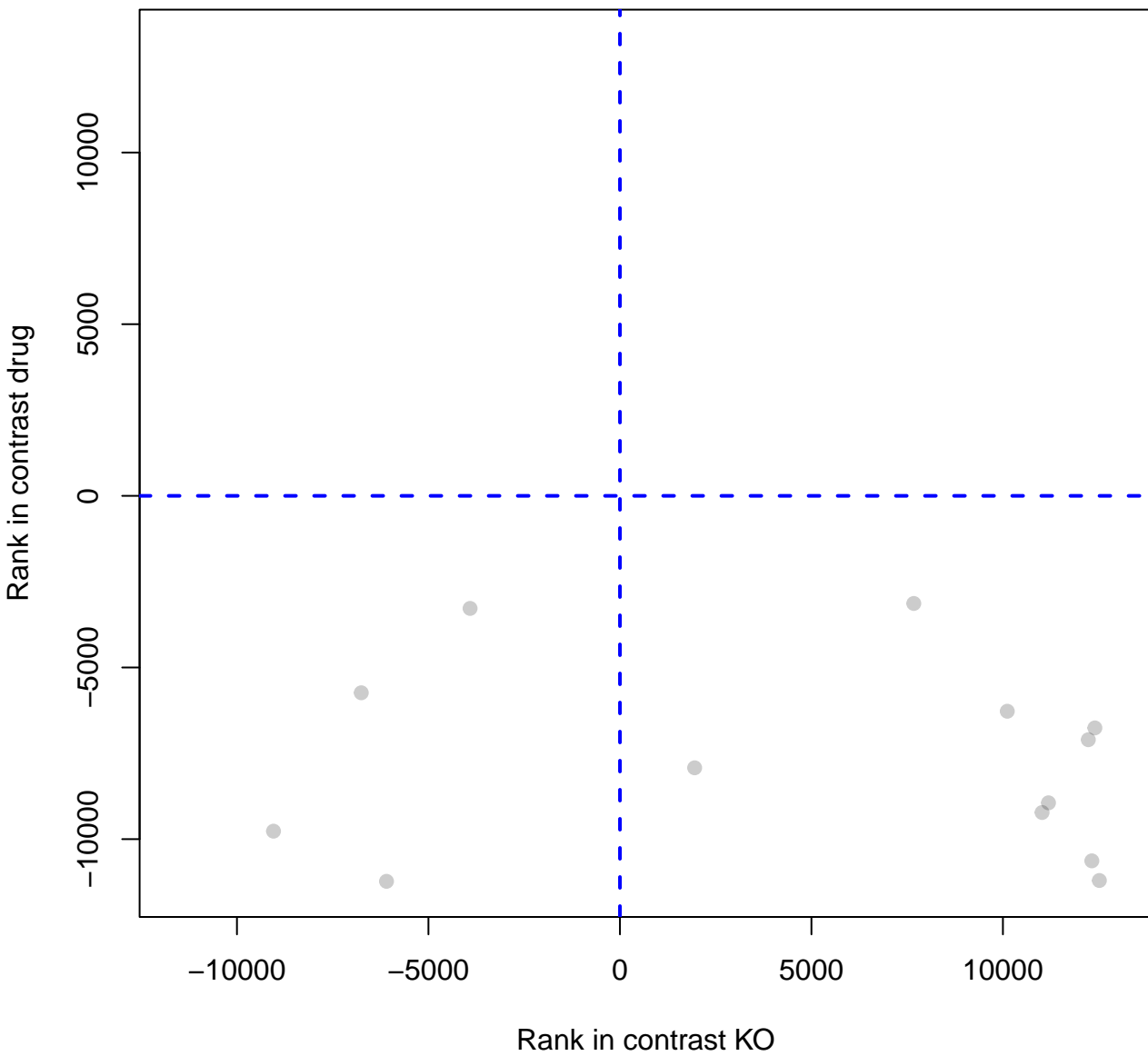
Defective EXT1 causes exostoses 1, TRPS2 and



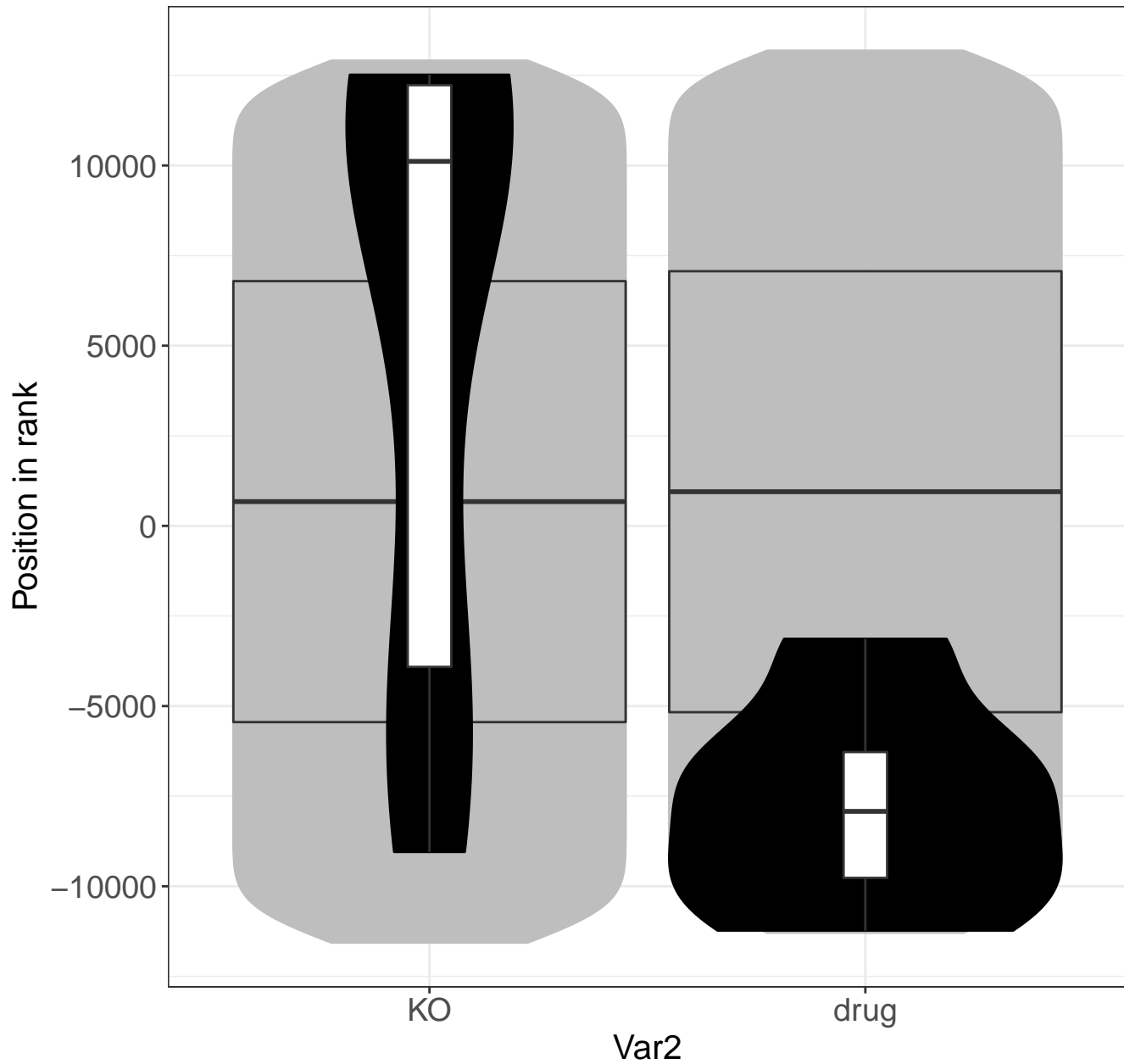
Defective EXT2 causes exostoses 2



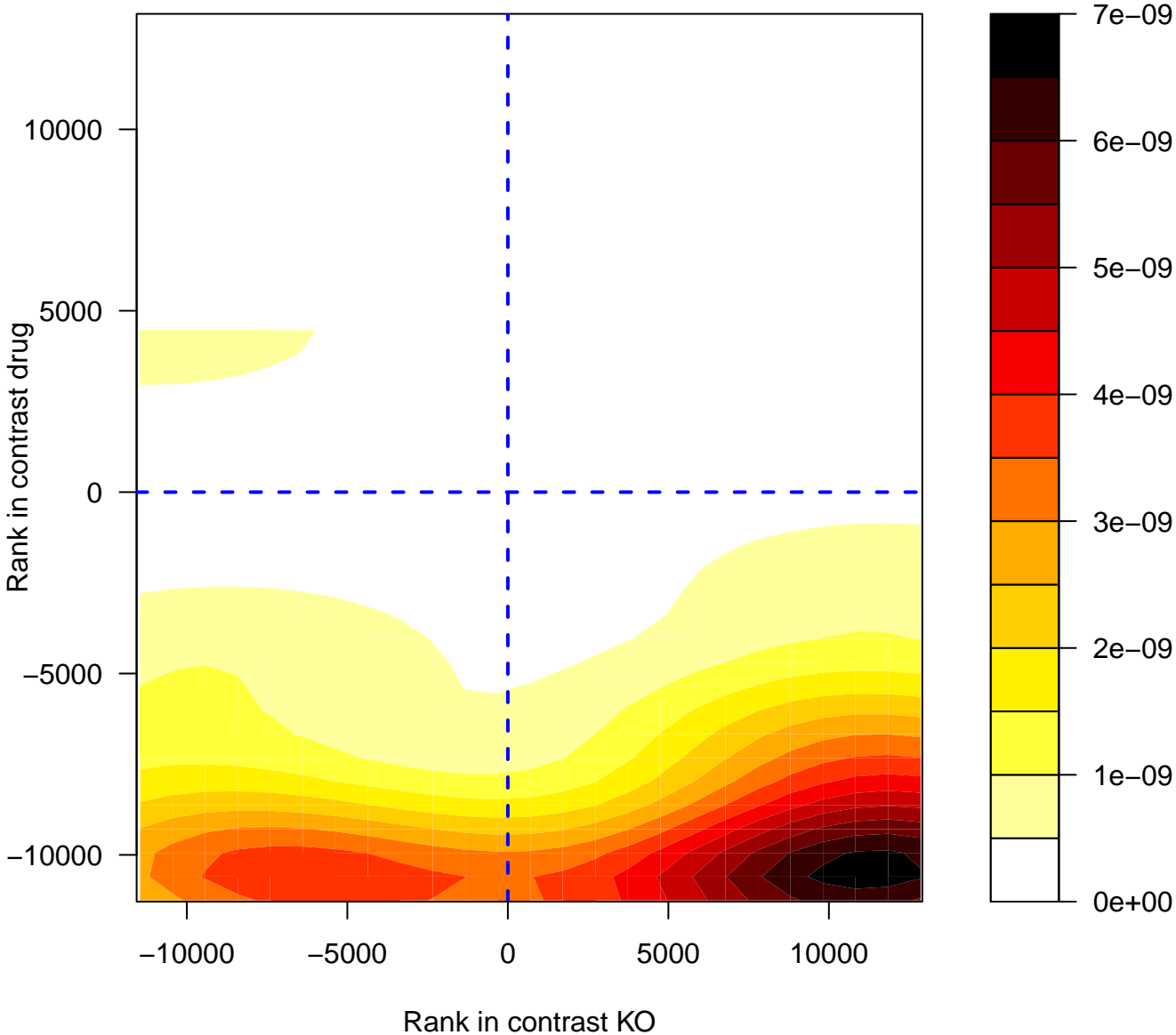
Defective EXT2 causes exostoses 2



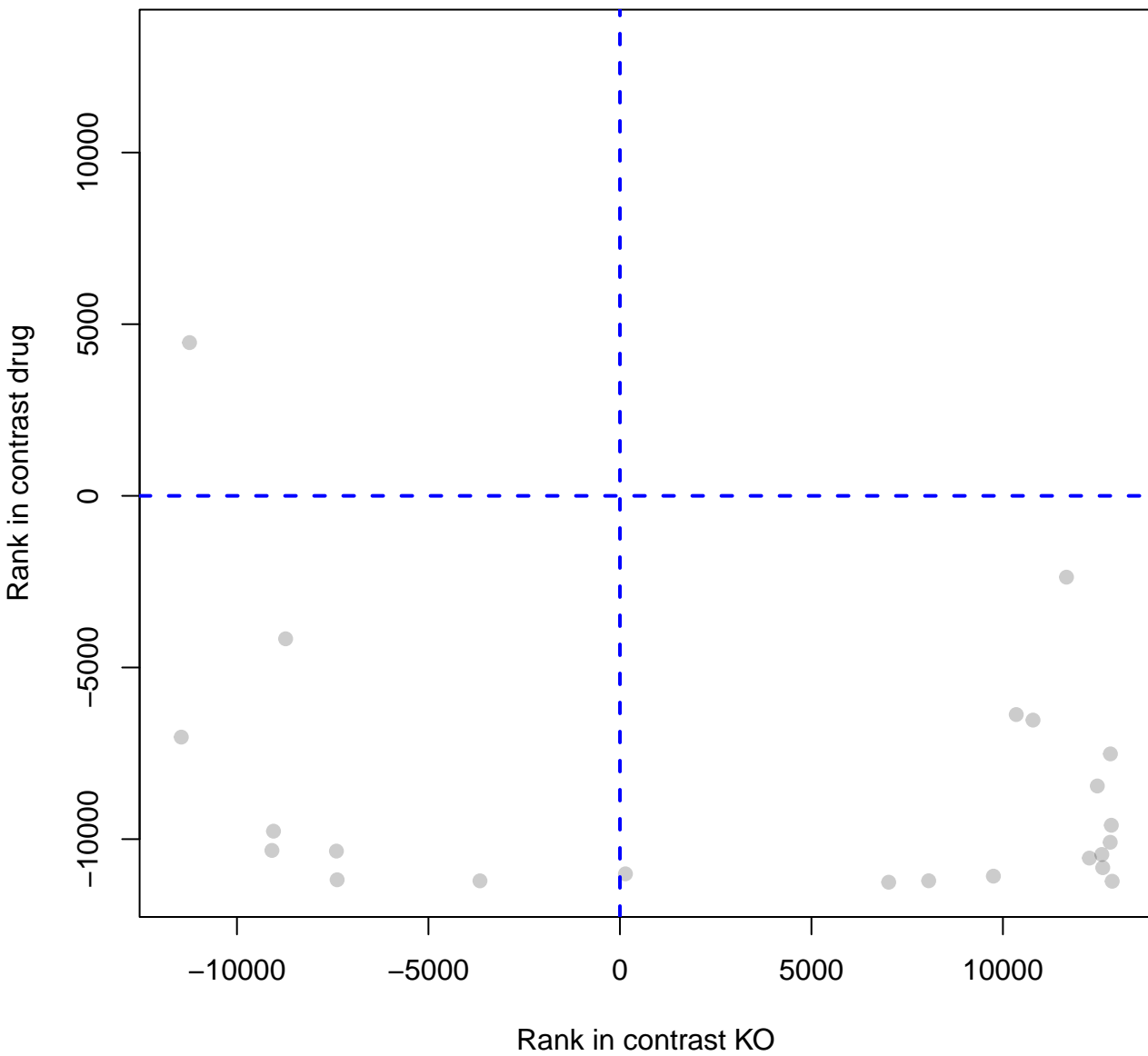
Defective EXT2 causes exostoses 2



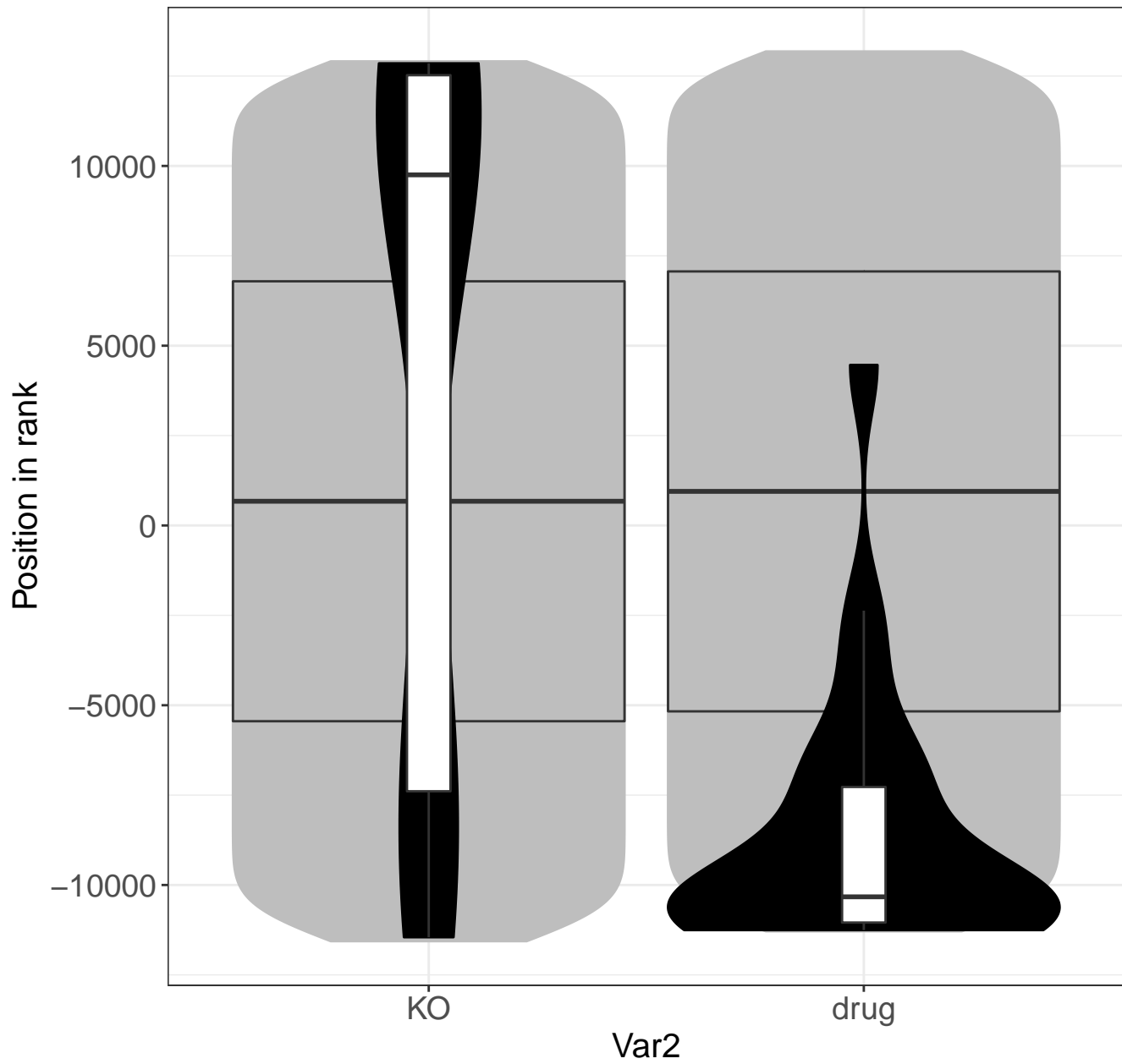
Laminin interactions



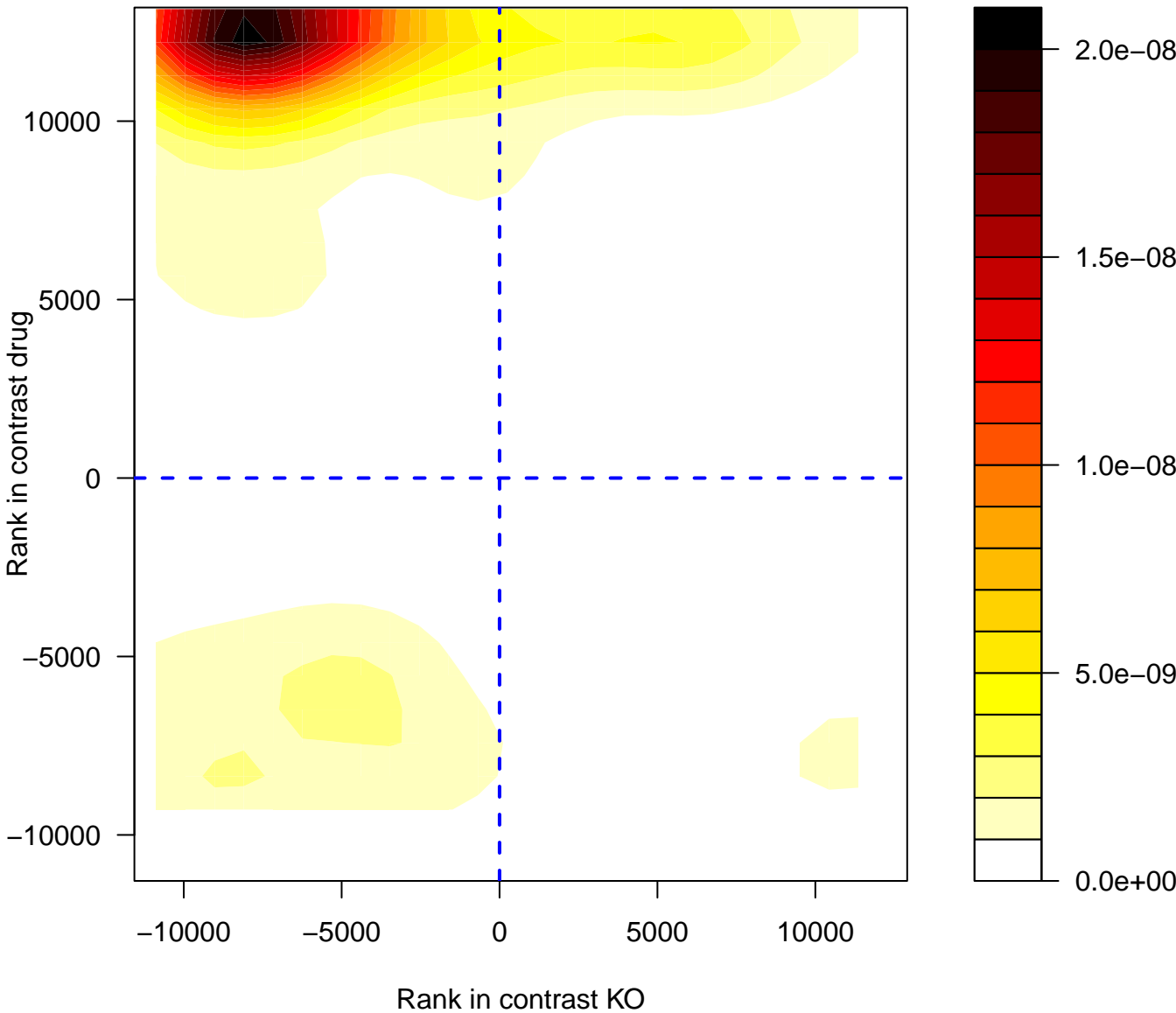
Laminin interactions



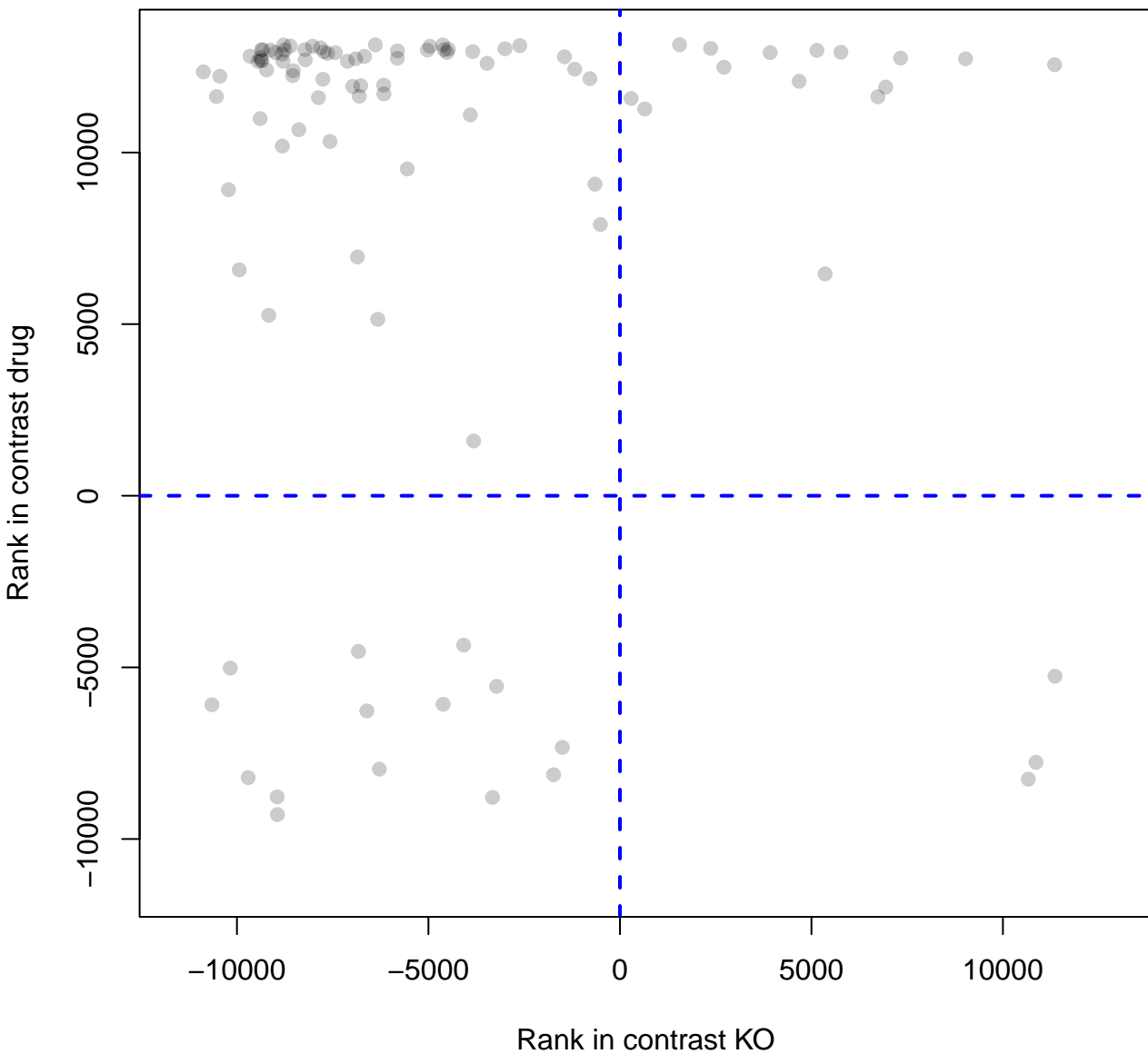
Laminin interactions



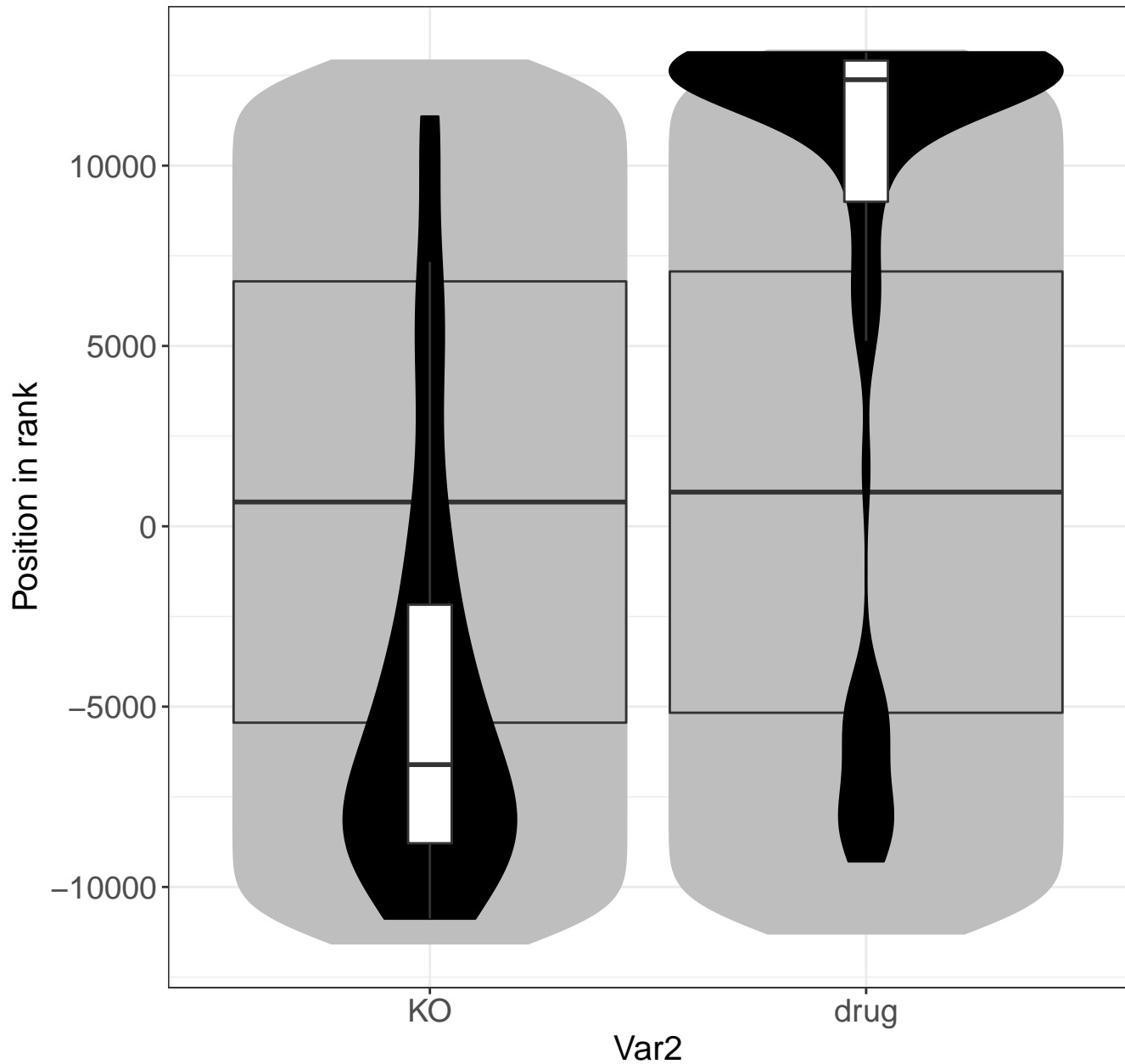
Response of EIF2AK4 (GCN2) to amino acid deficiency



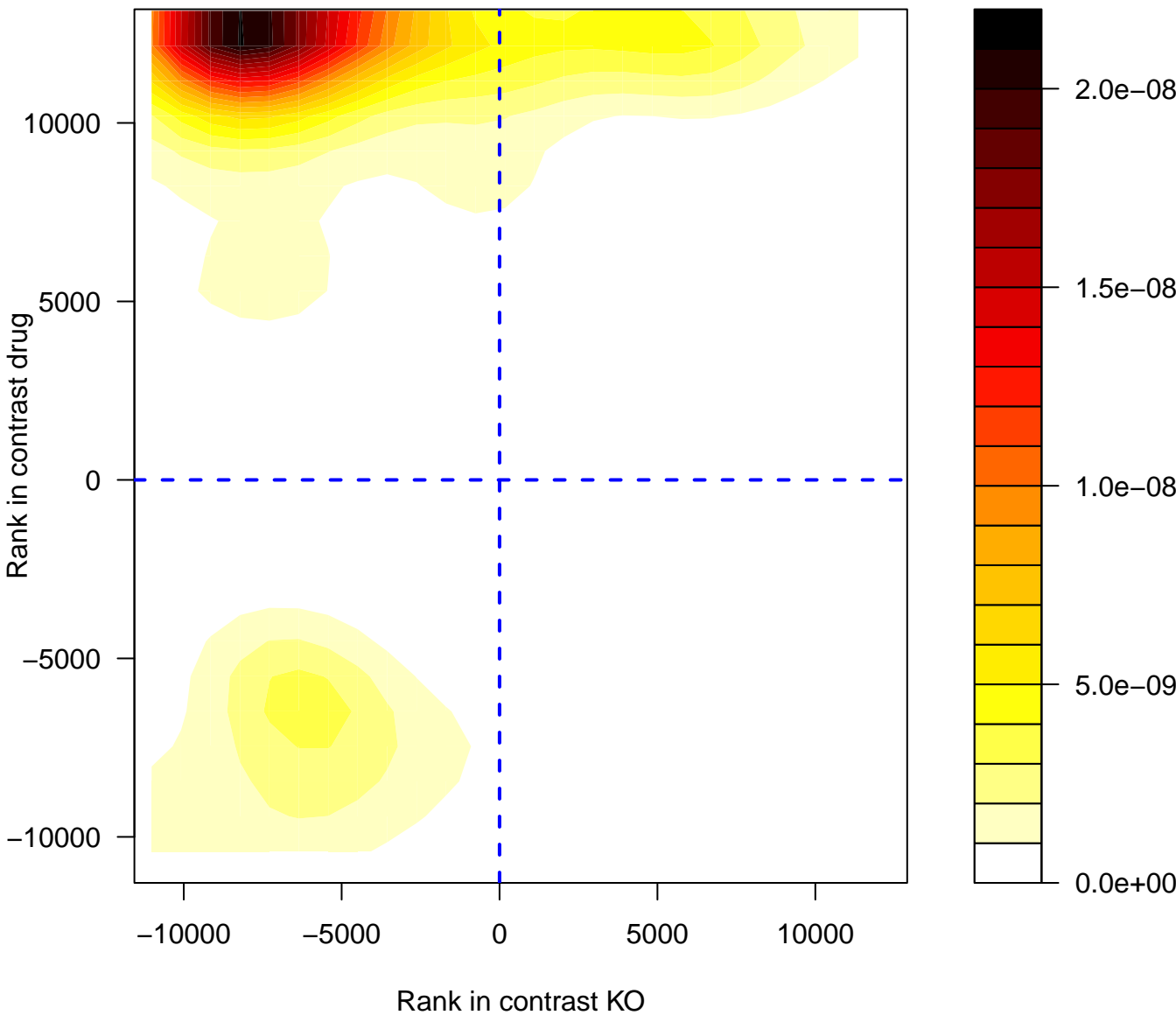
Response of EIF2AK4 (GCN2) to amino acid deficiency



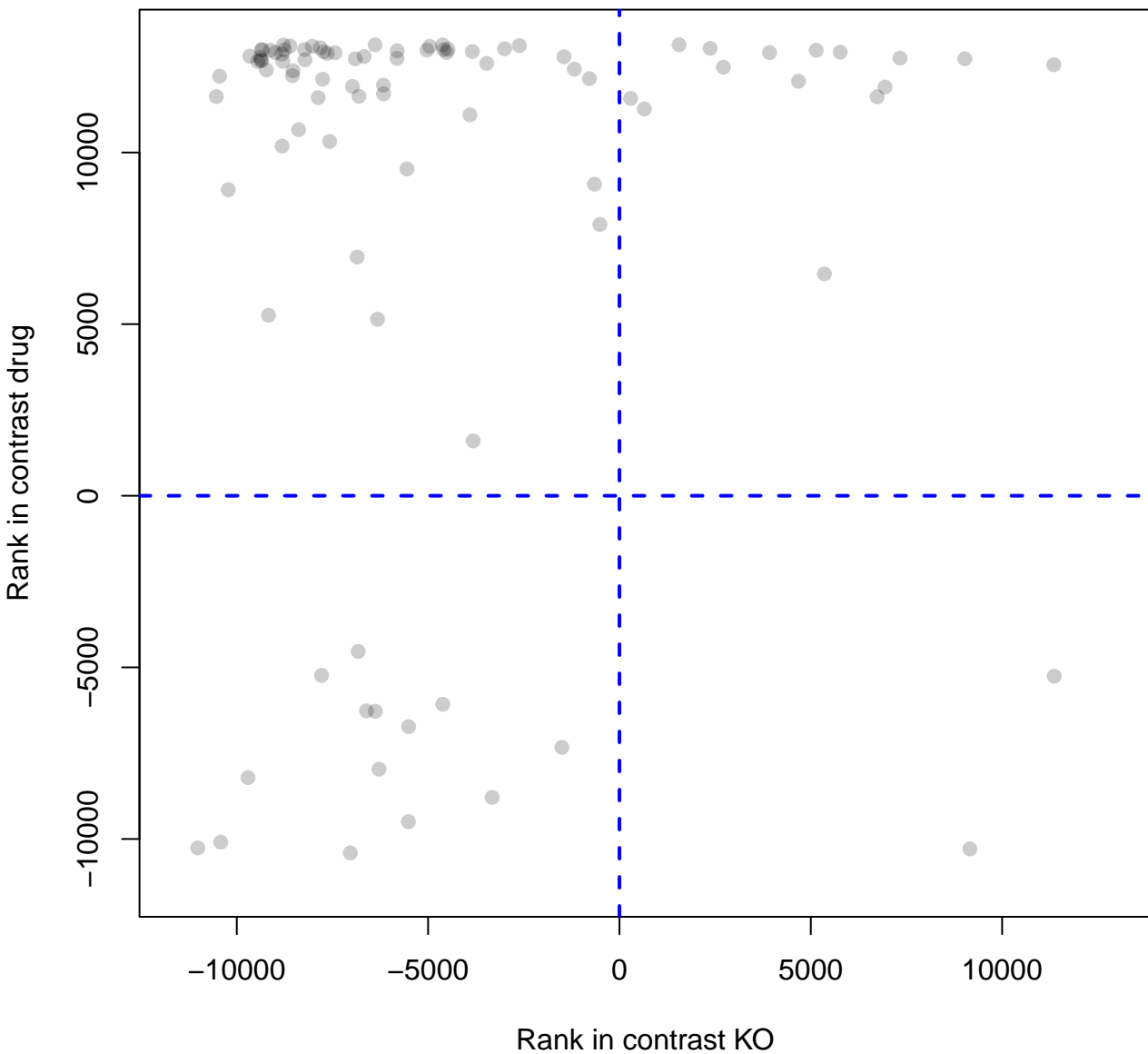
Response of EIF2AK4 (GCN2) to amino acid def



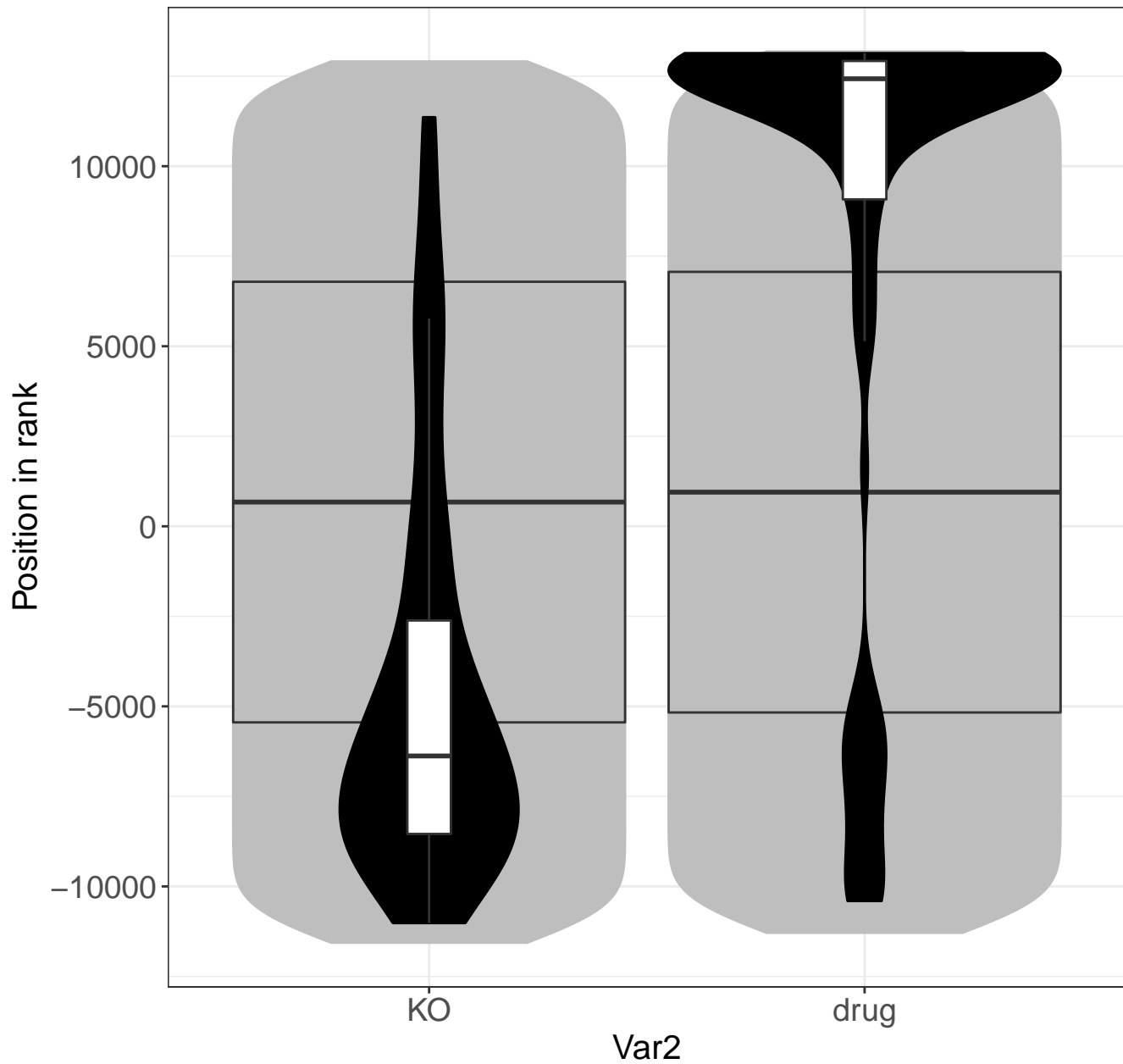
Non-Mediated Decay (NMD) independent of the Exon Junction (EJ)



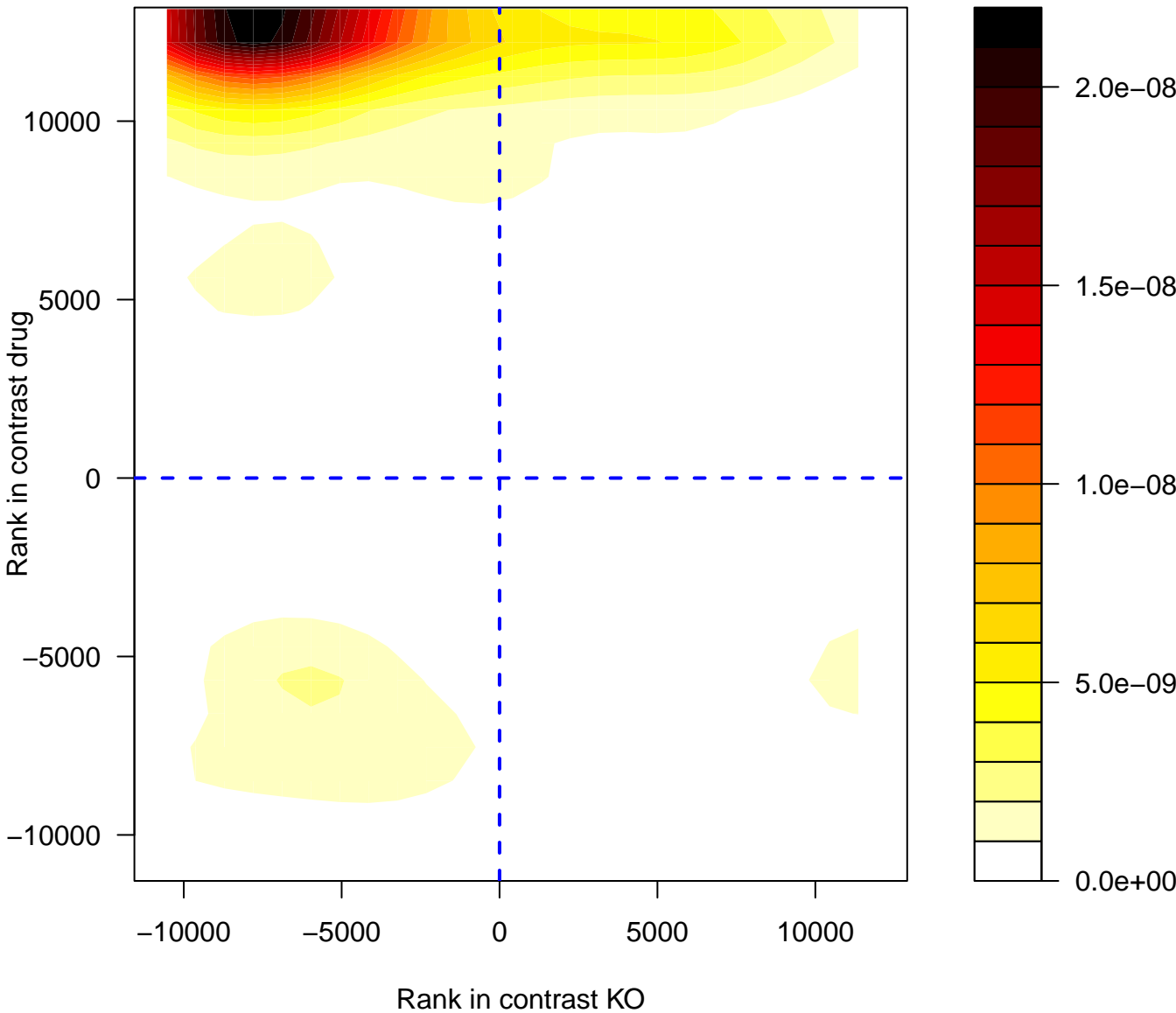
Sense Mediated Decay (NMD) independent of the Exon Junction Complex



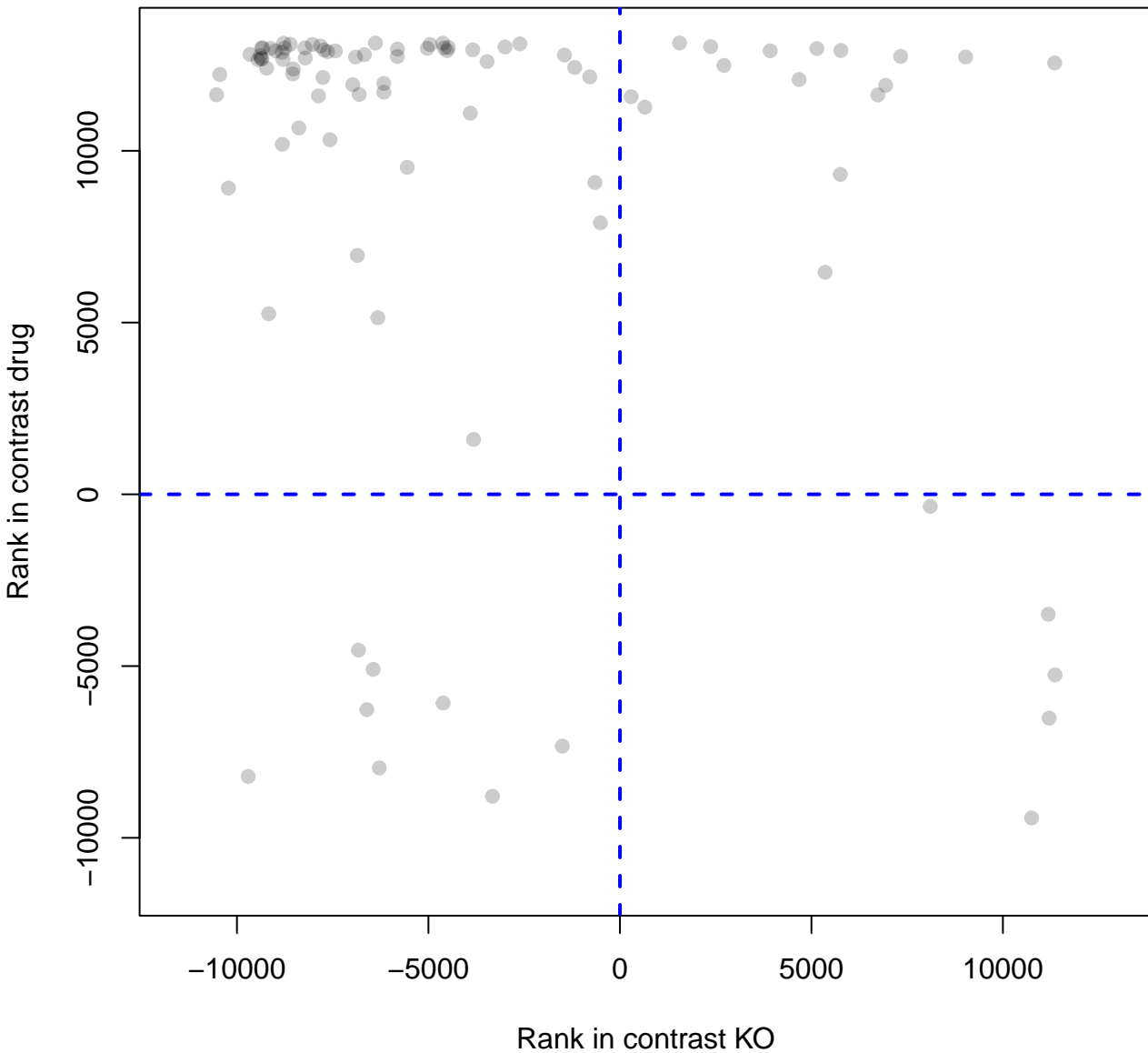
Nonsense Mediated Decay (NMD) independent of



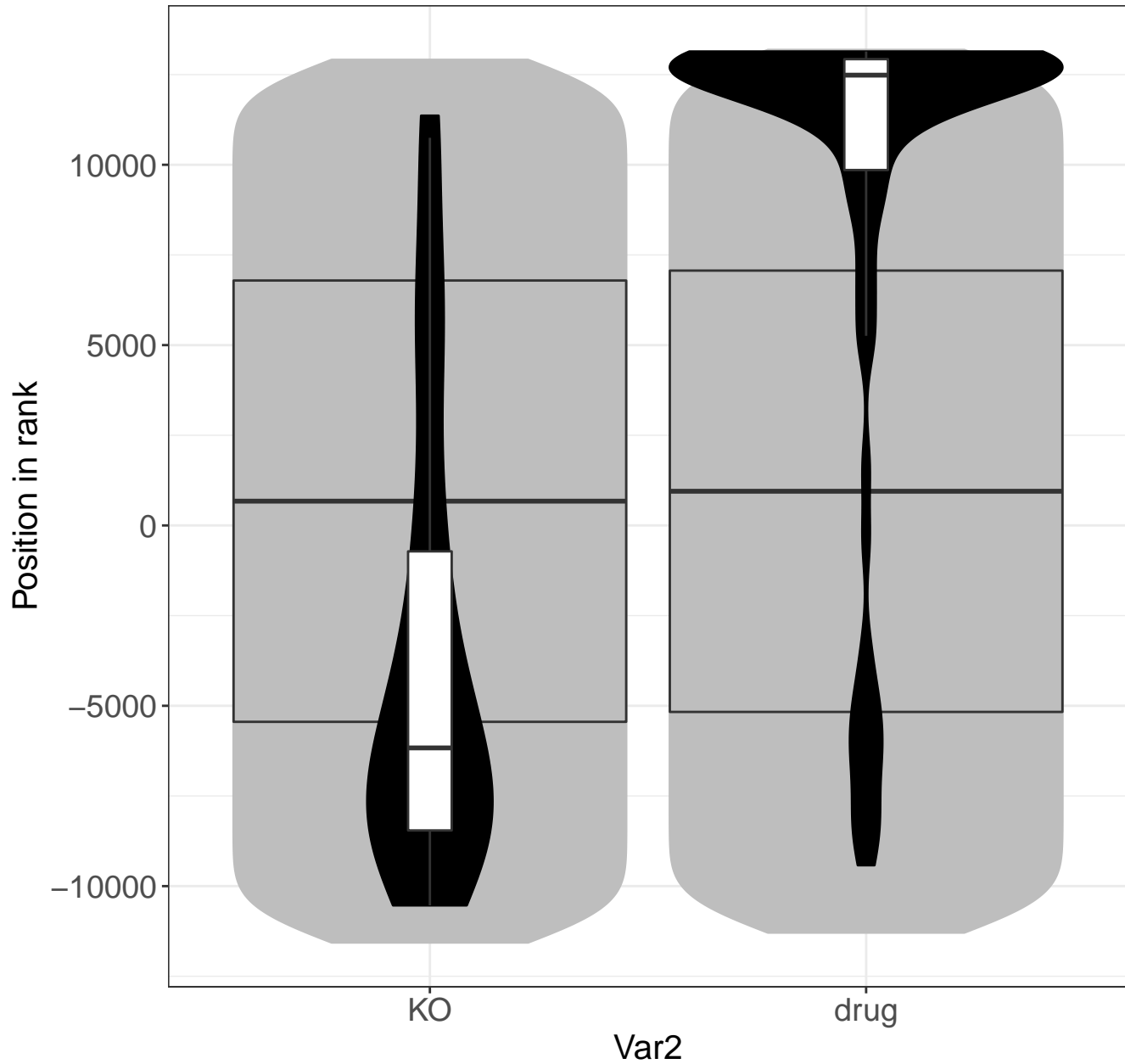
Selenocysteine synthesis



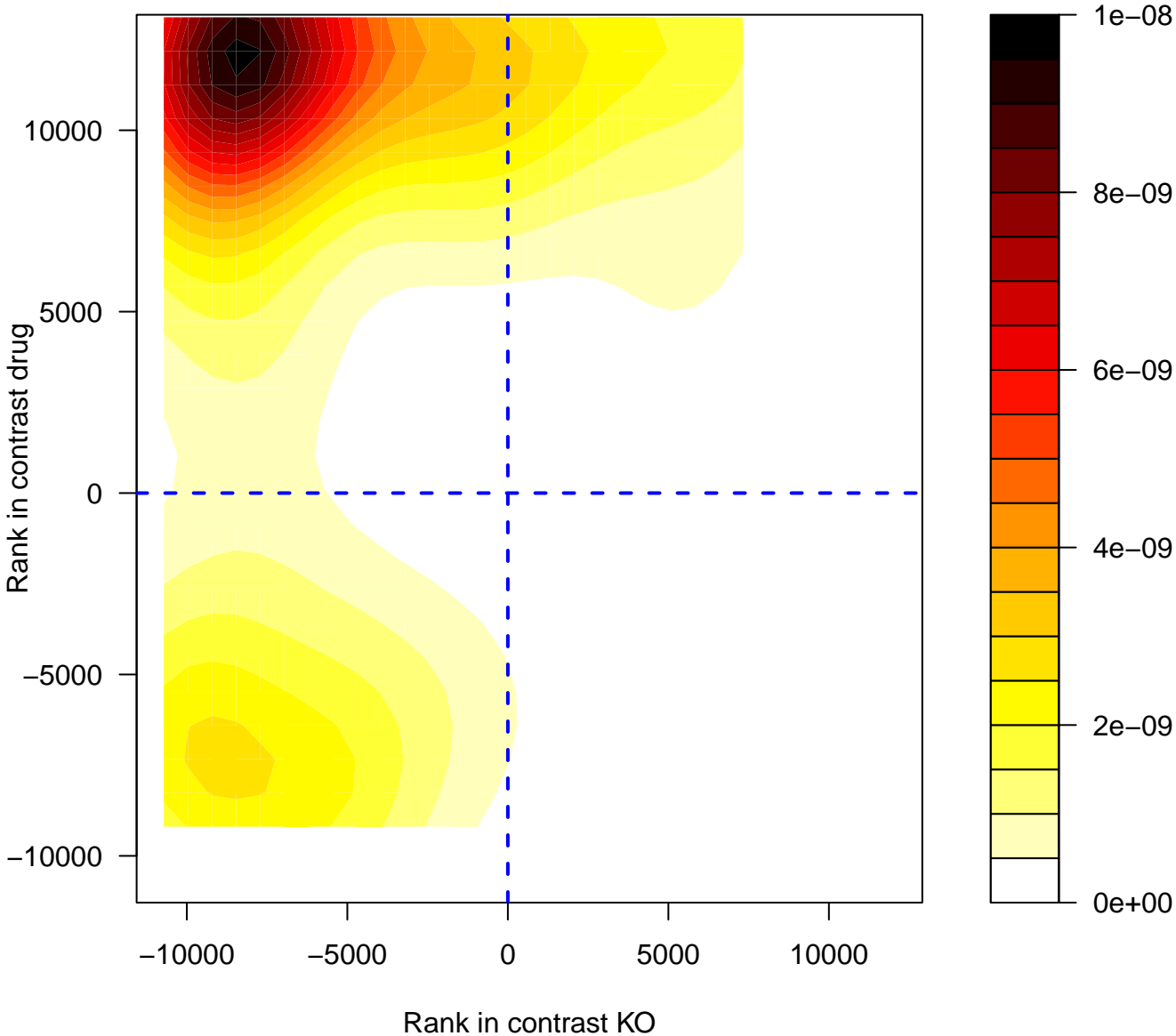
Selenocysteine synthesis



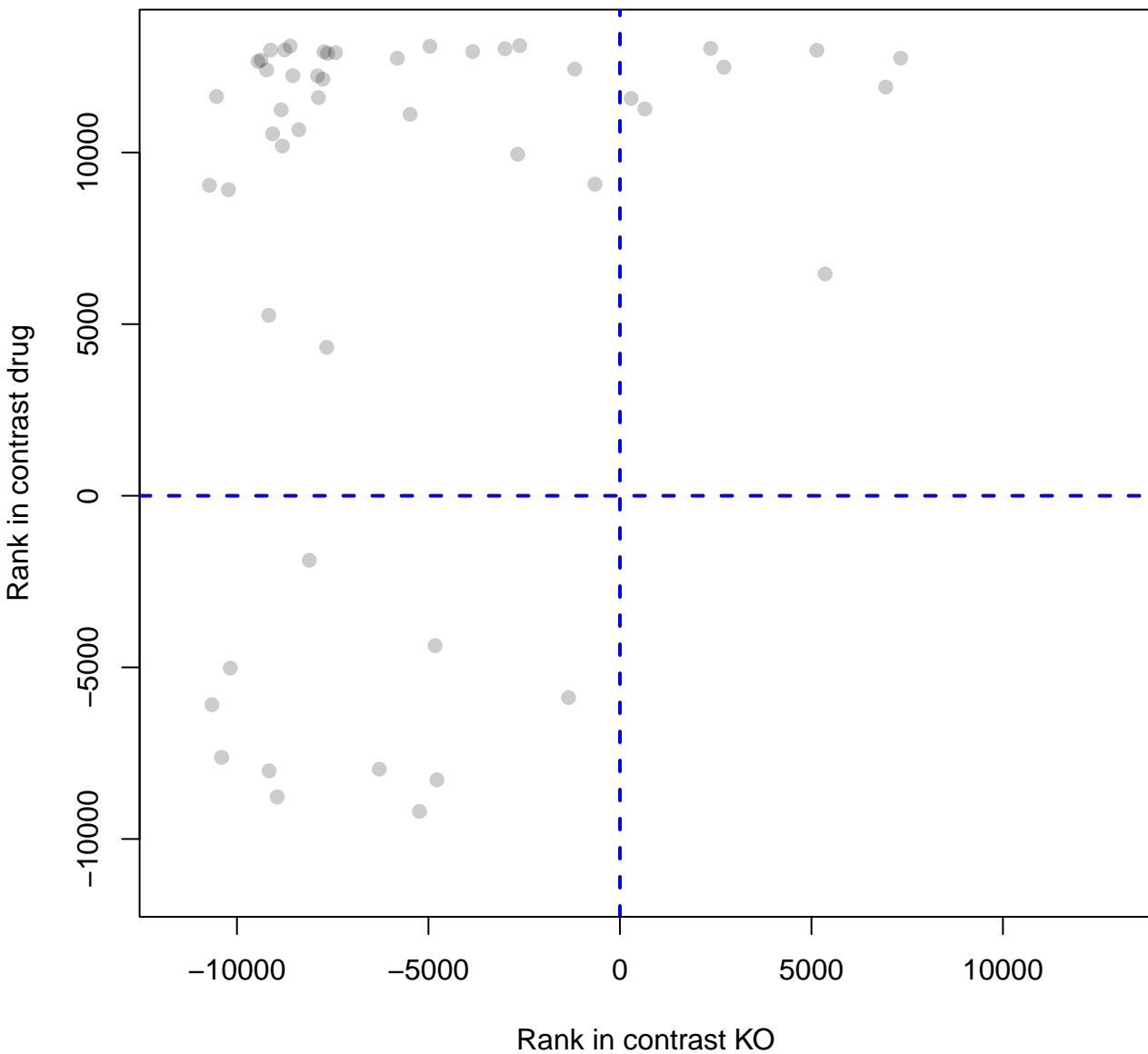
Selenocysteine synthesis



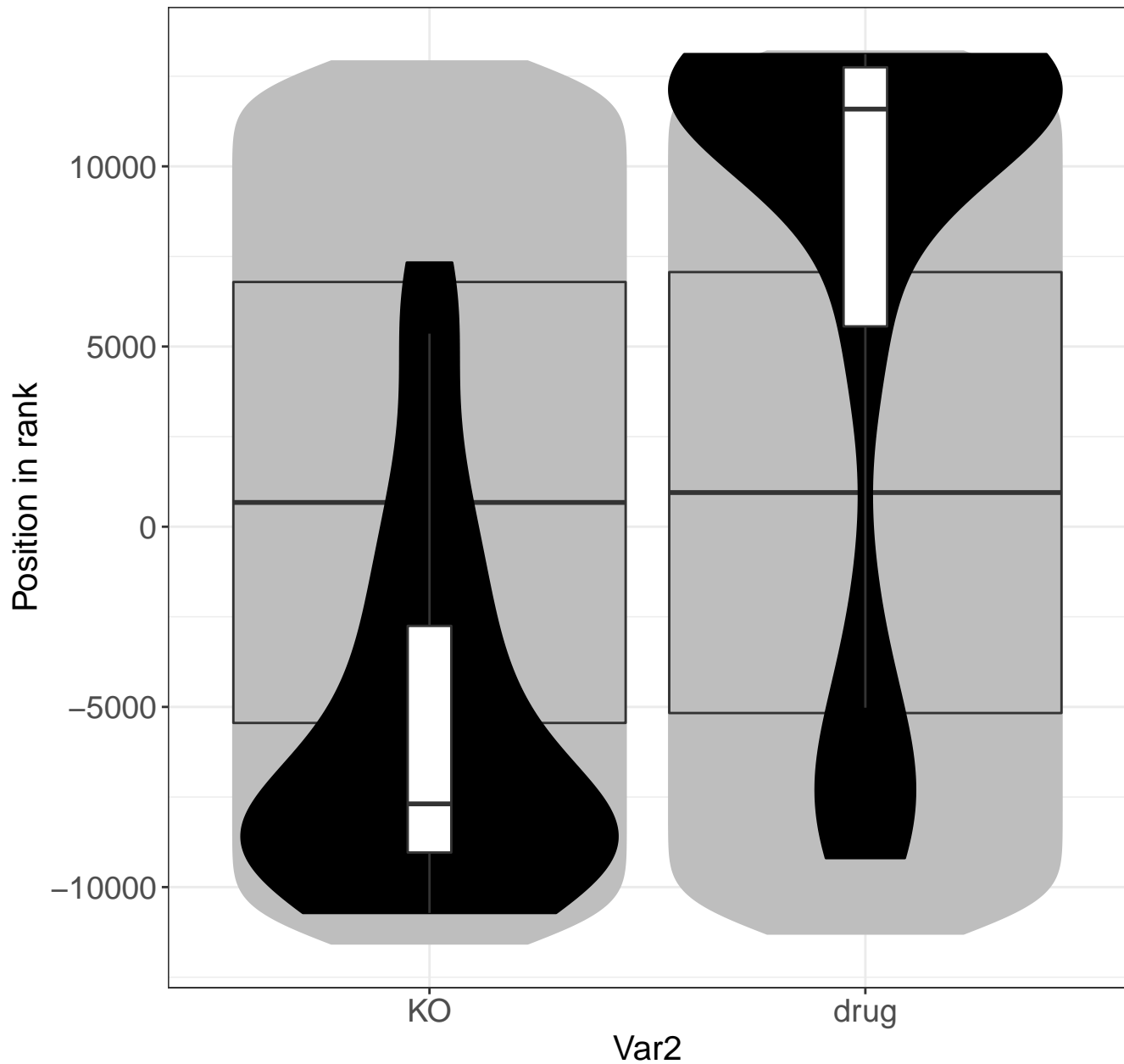
ormation of the ternary complex, and subsequently, the 43S c



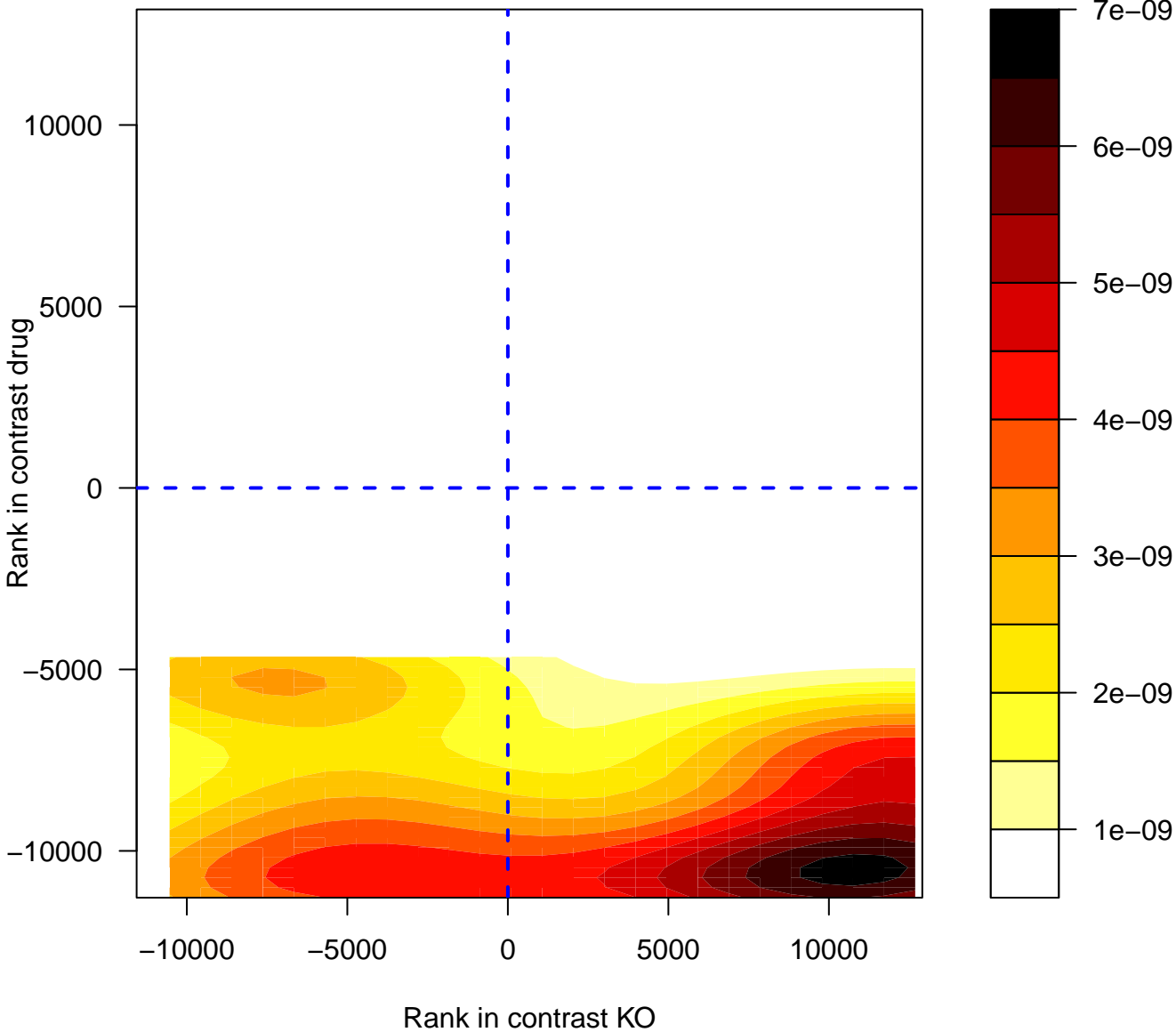
Formation of the ternary complex, and subsequently, the 43S complex



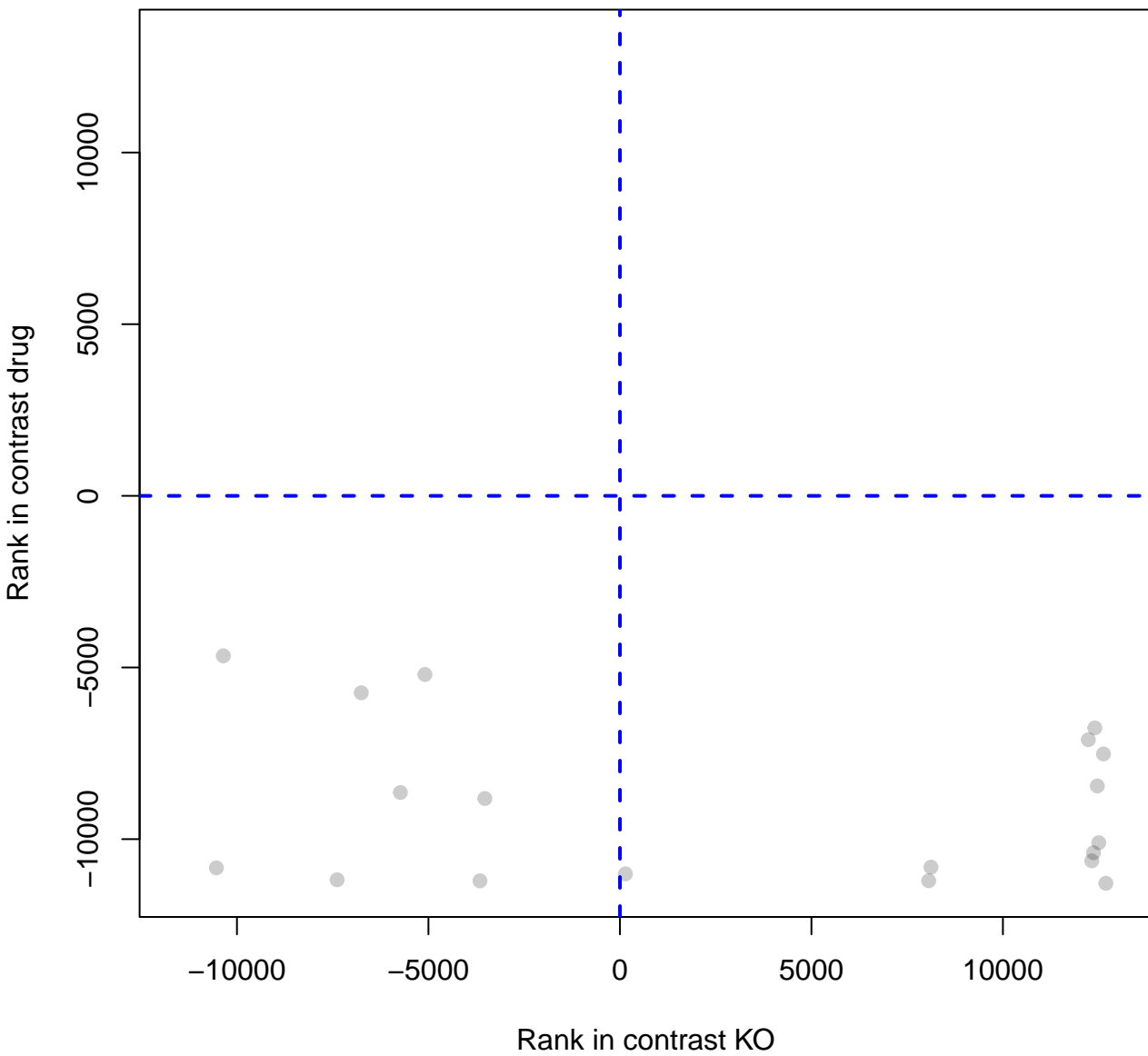
Formation of the ternary complex, and subsequent



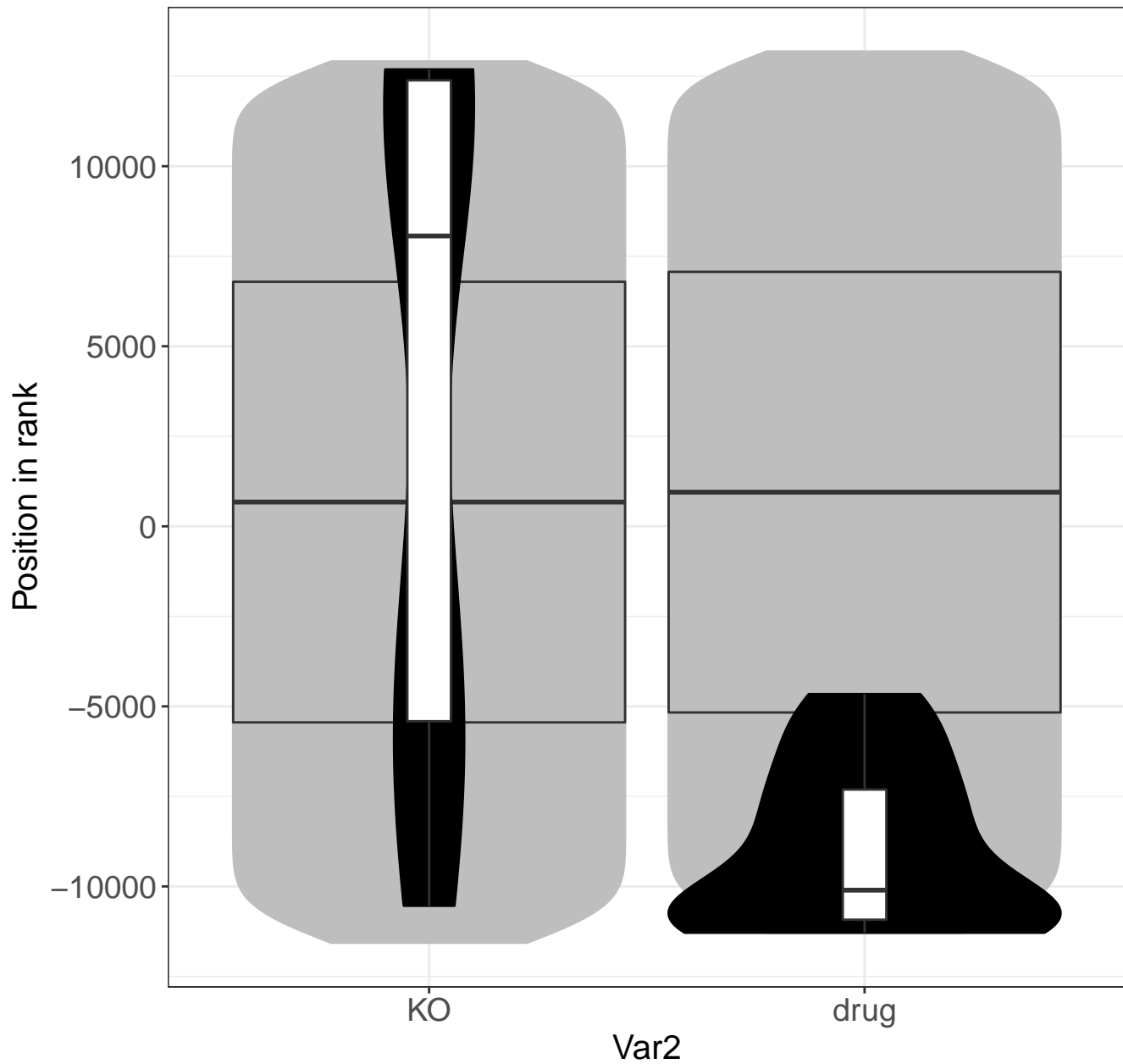
Syndecan interactions



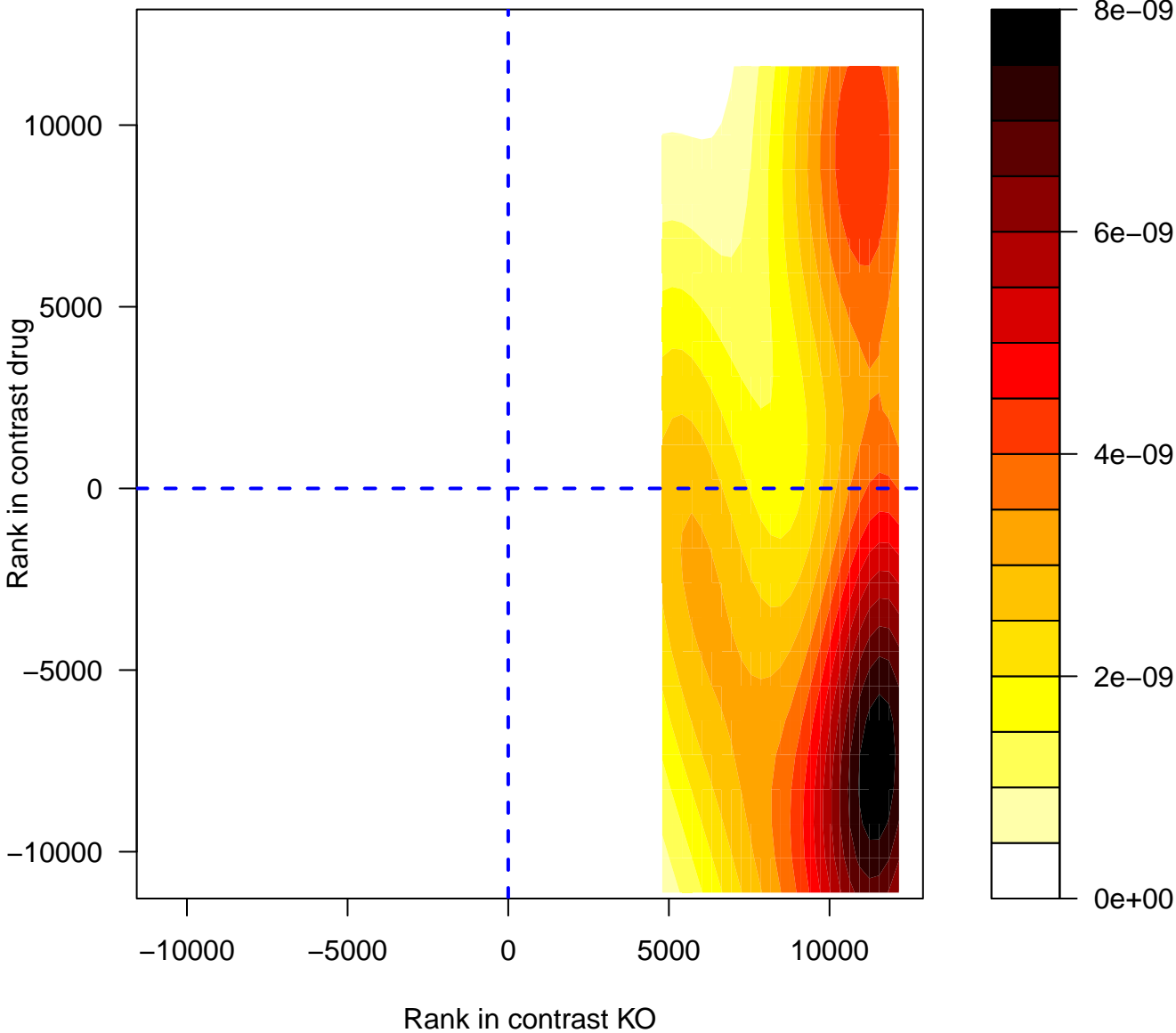
Syndecan interactions



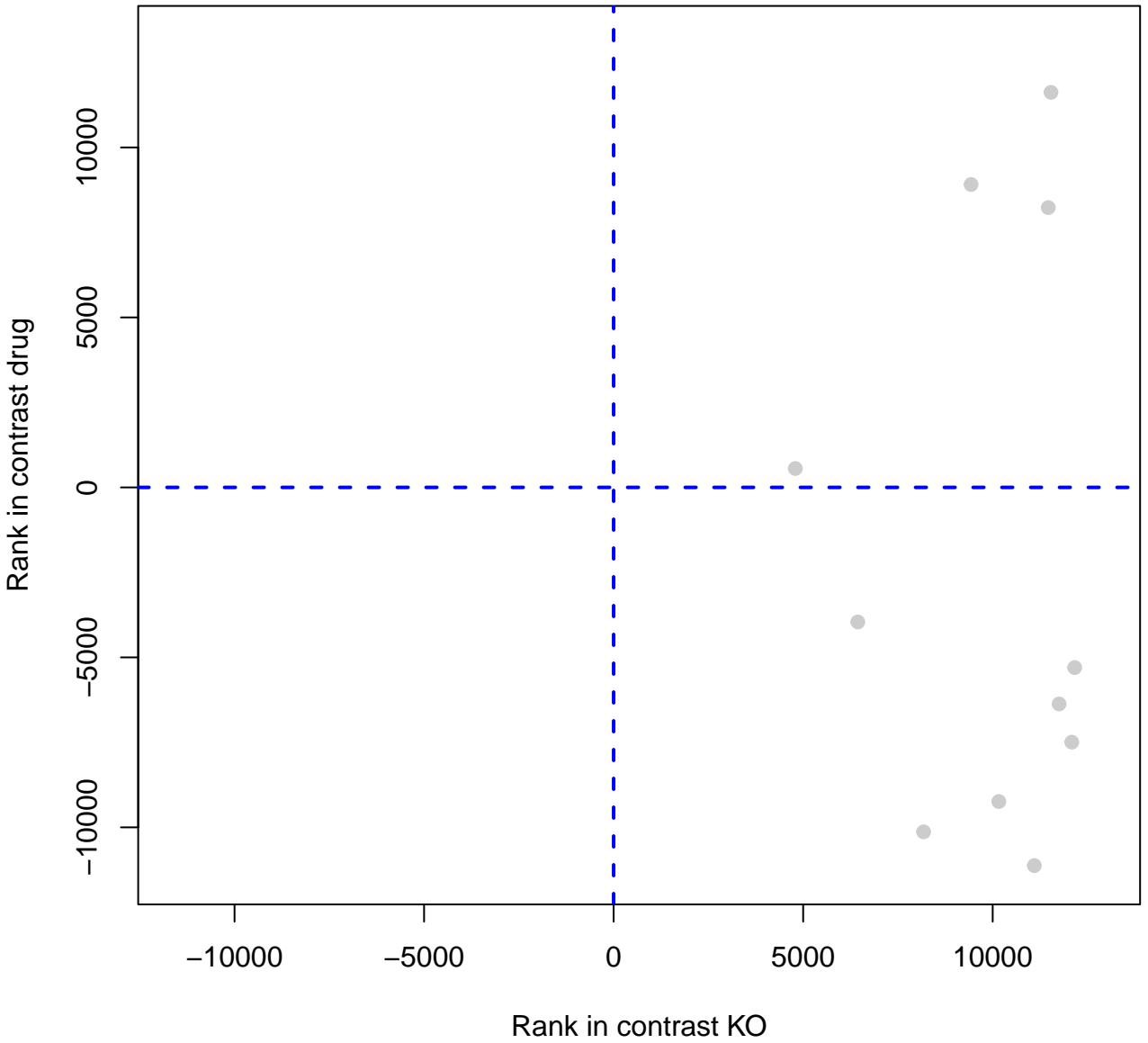
Syndecan interactions



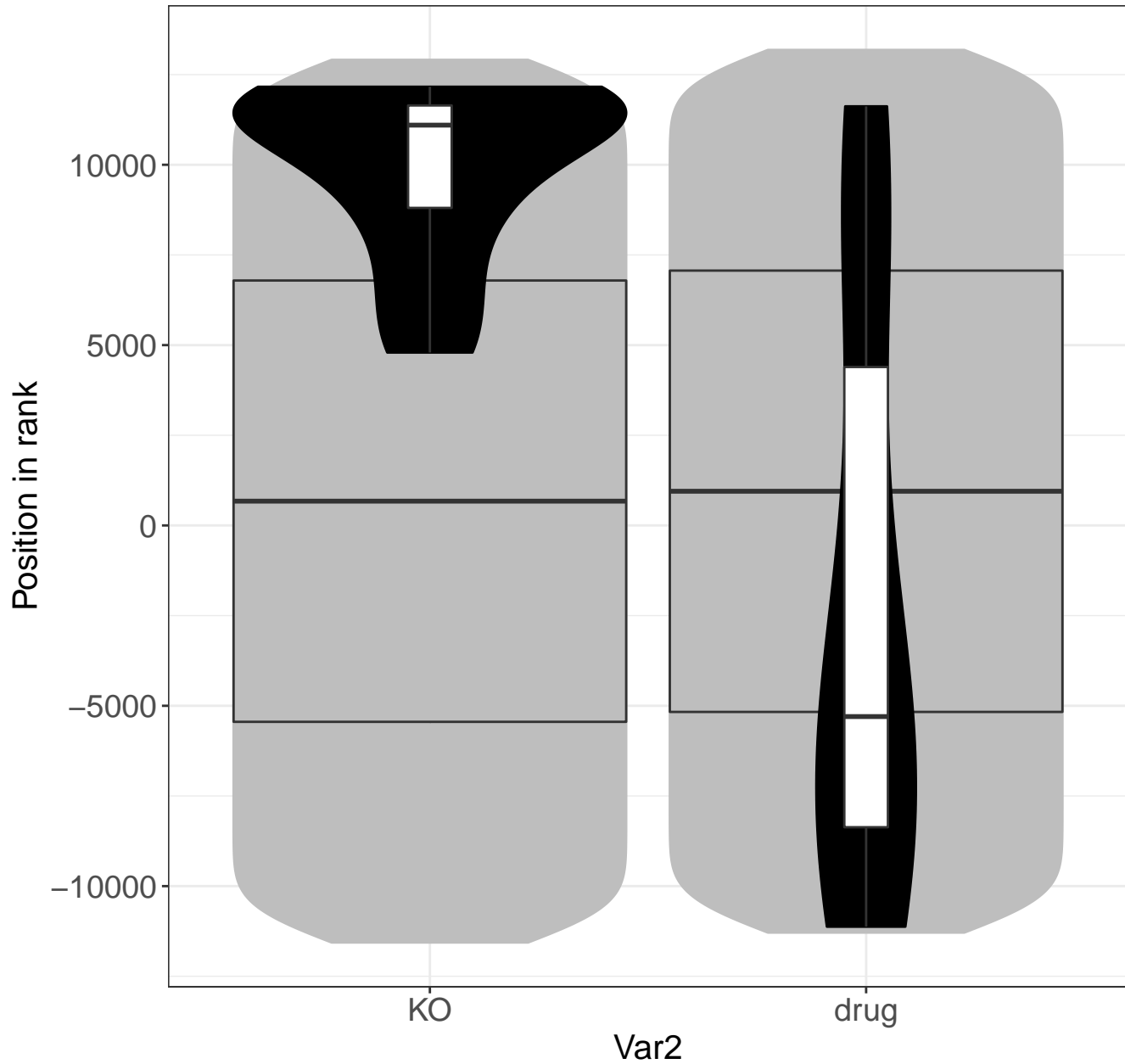
Mucopolysaccharidoses



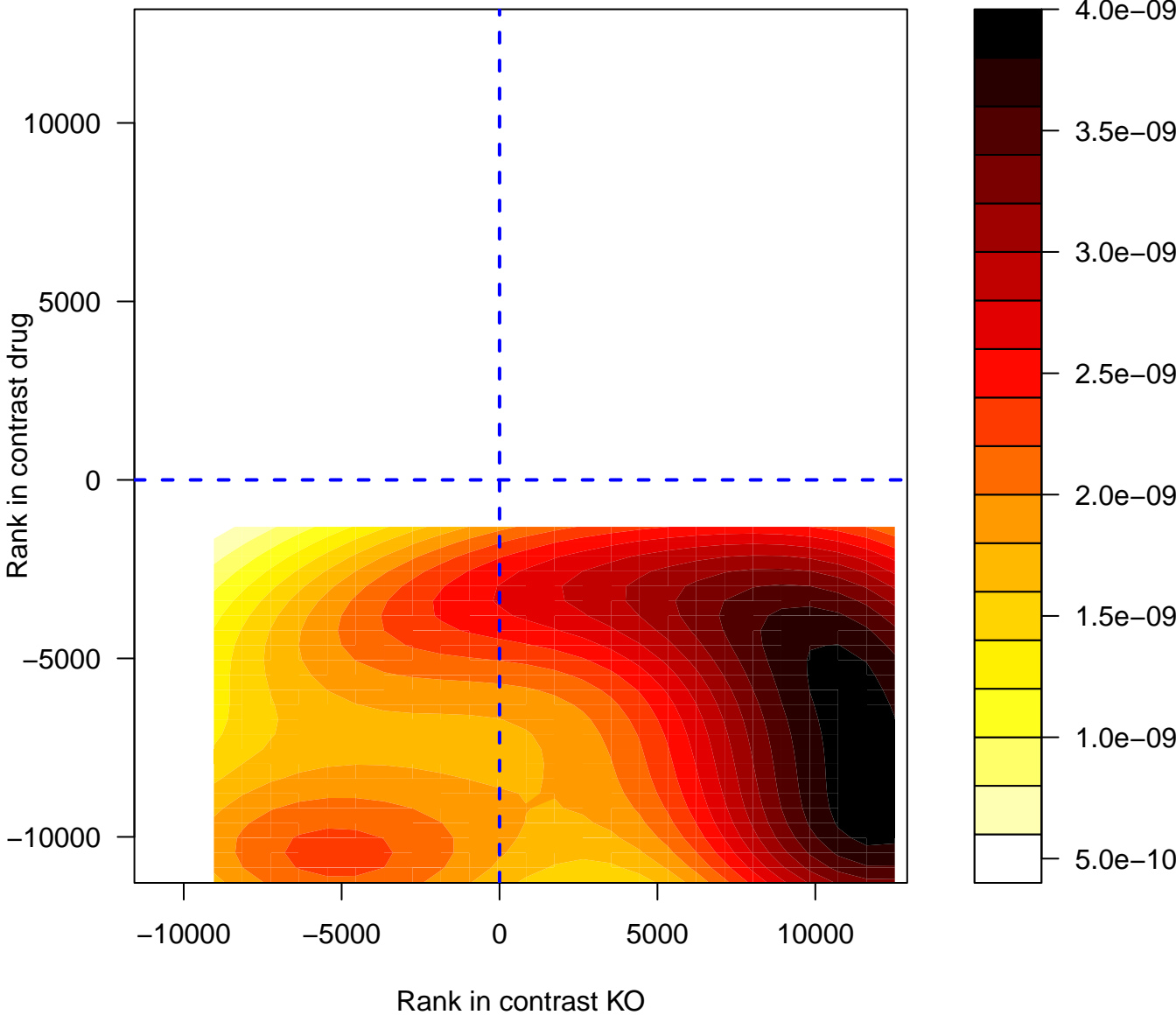
Mucopolysaccharidoses



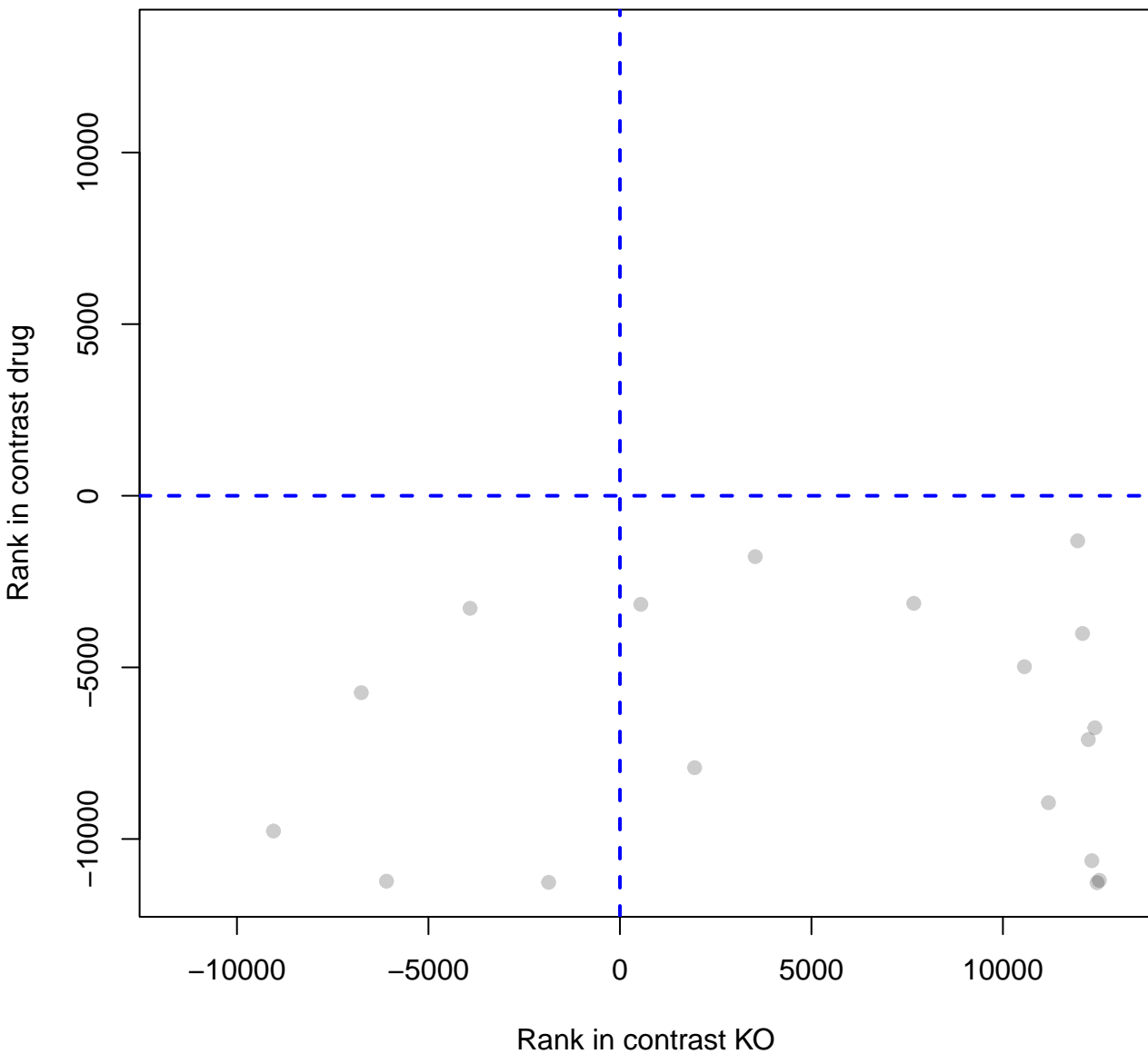
Mucopolysaccharidoses



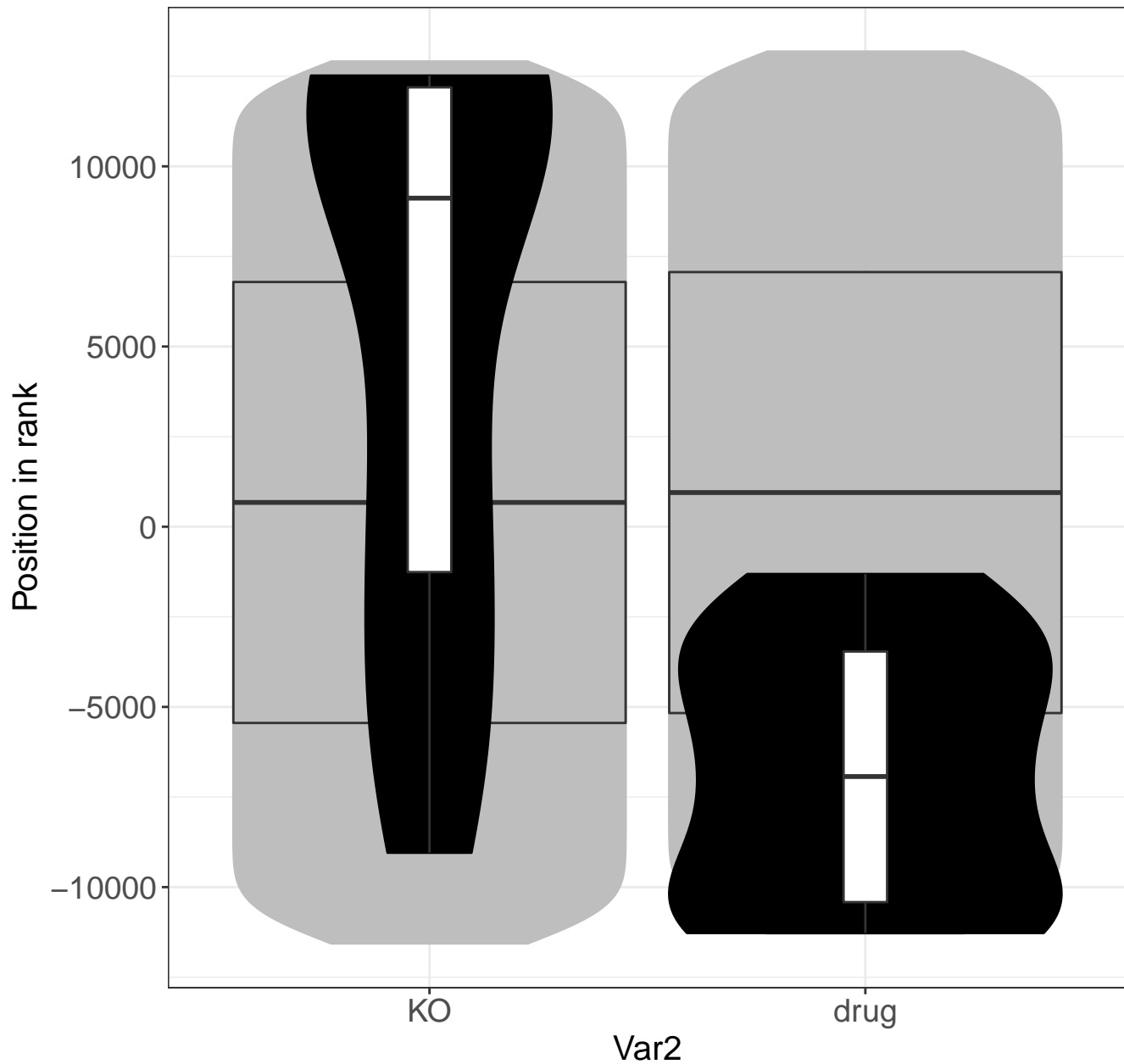
Defective B4GALT7 causes EDS, progeroid type



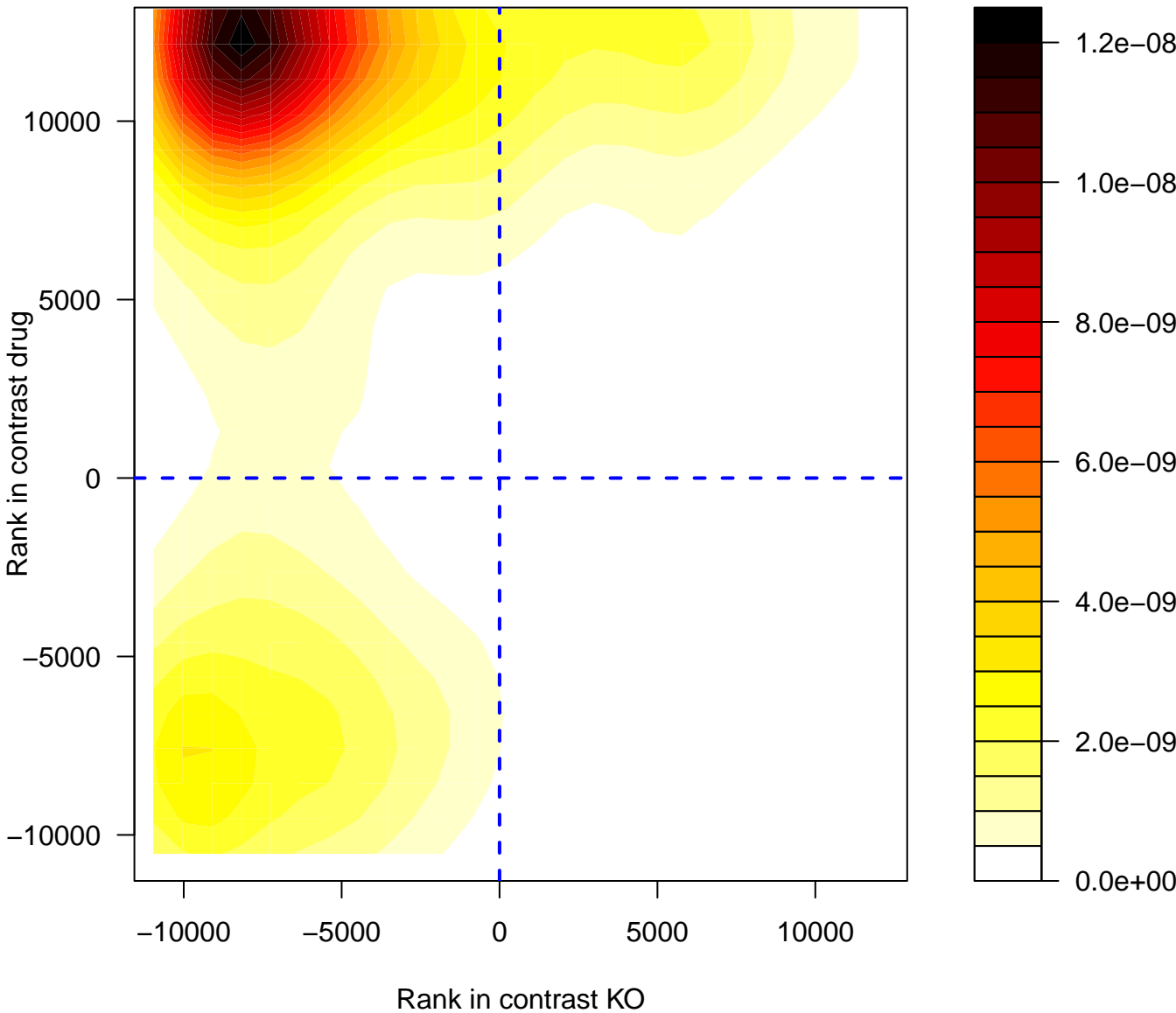
Defective B4GALT7 causes EDS, progeroid type



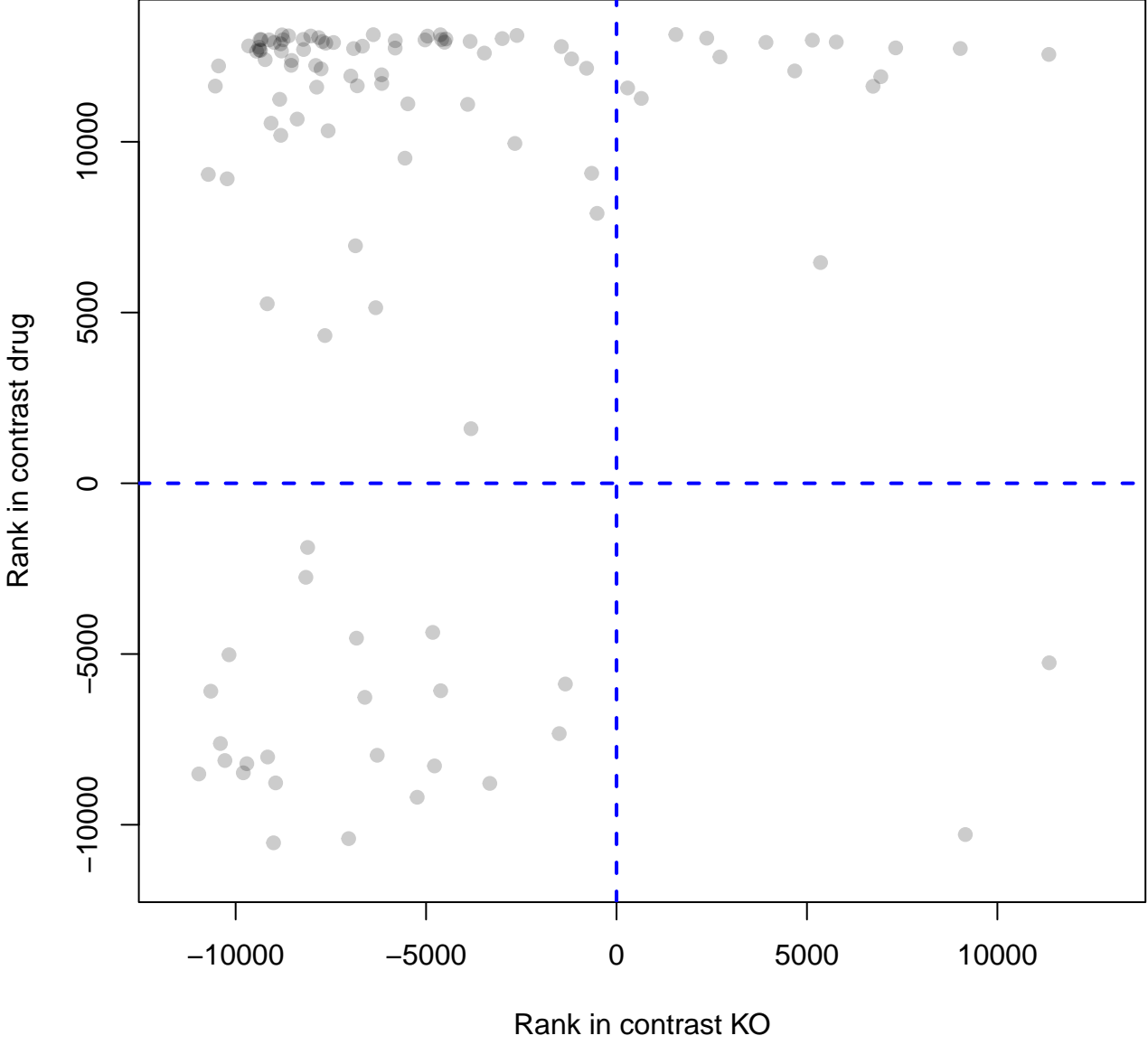
Defective B4GALT7 causes EDS, progeroid type



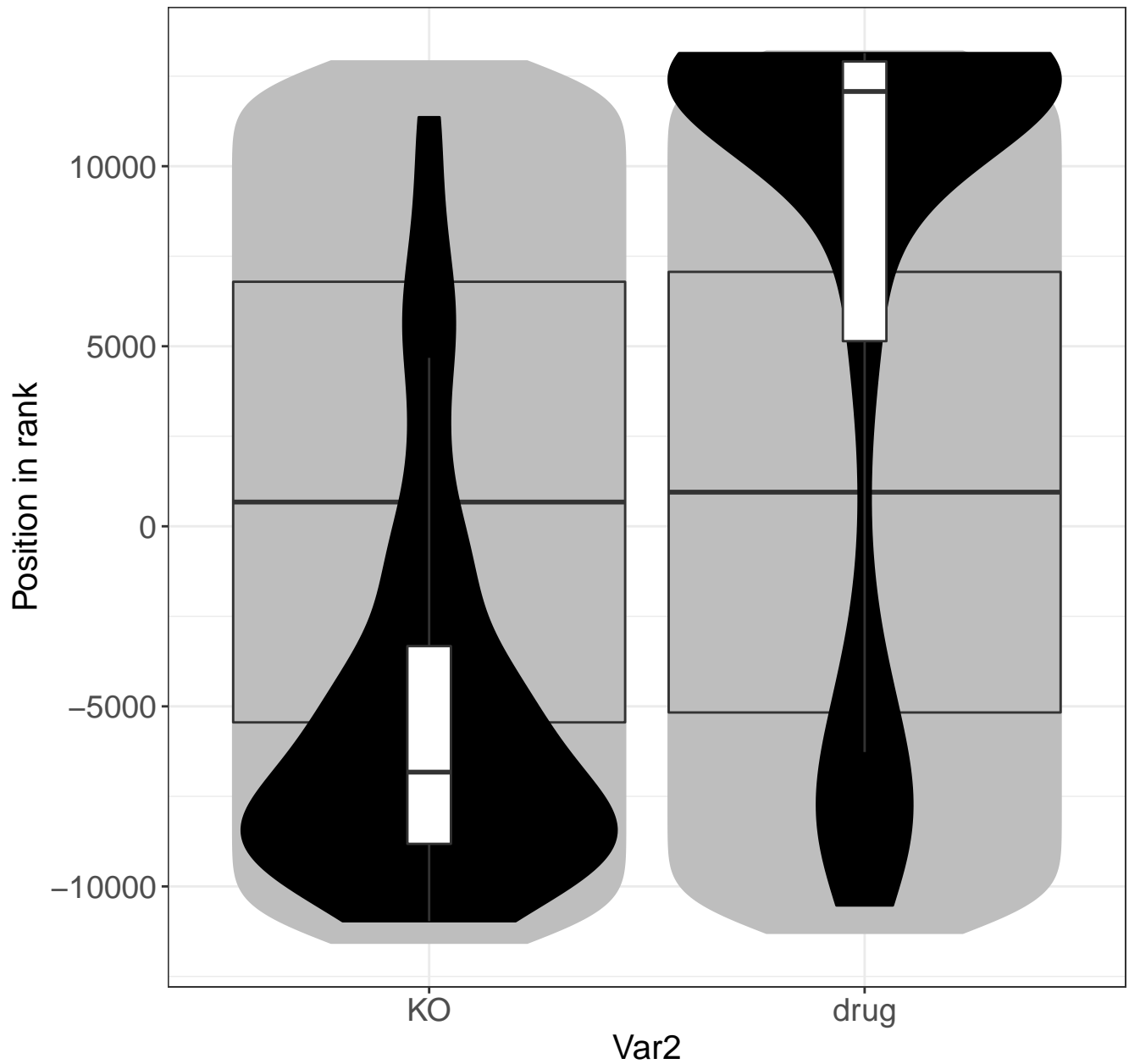
L13a-mediated translational silencing of Ceruloplasmin expr



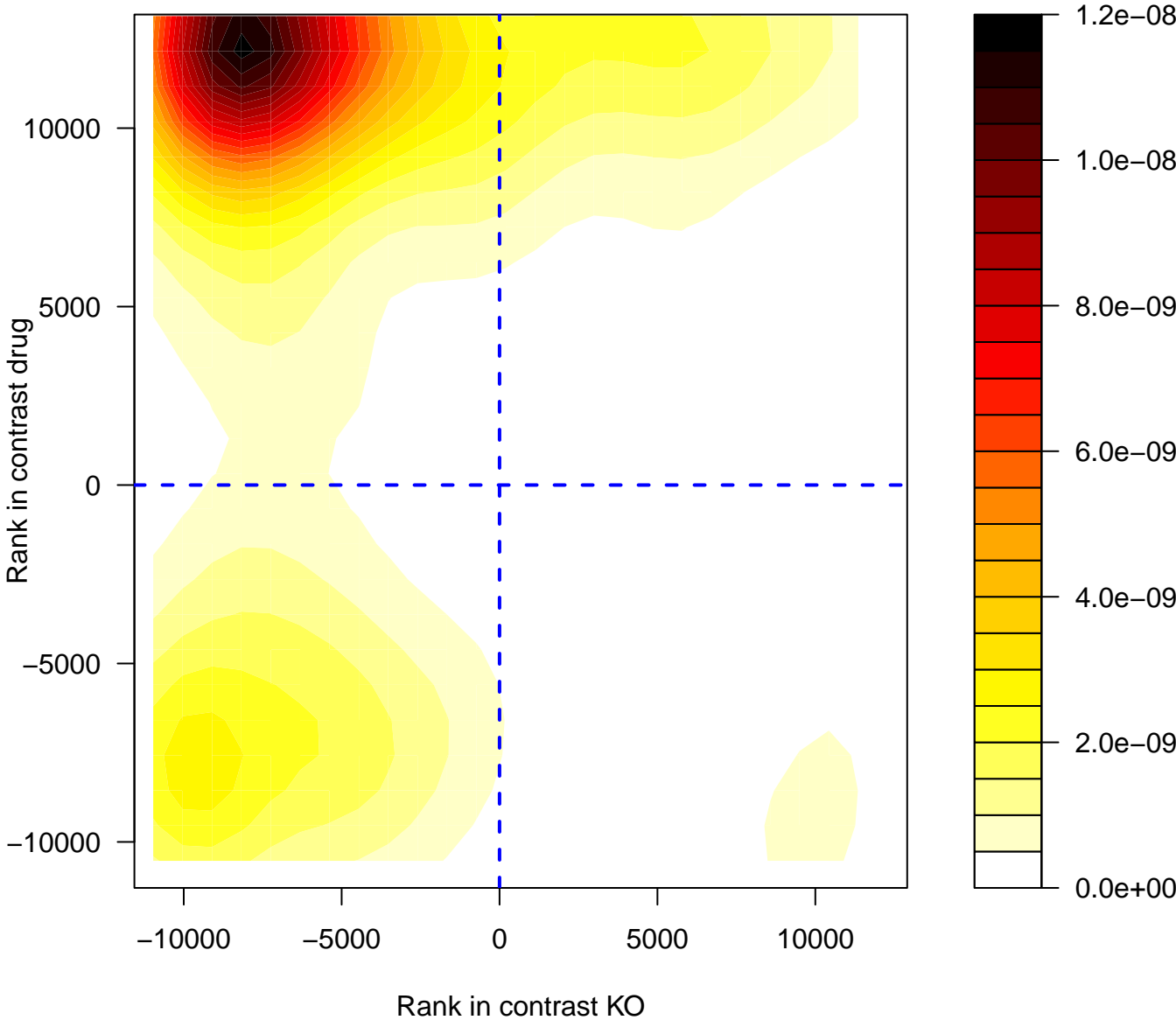
L13a-mediated translational silencing of Ceruloplasmin expression



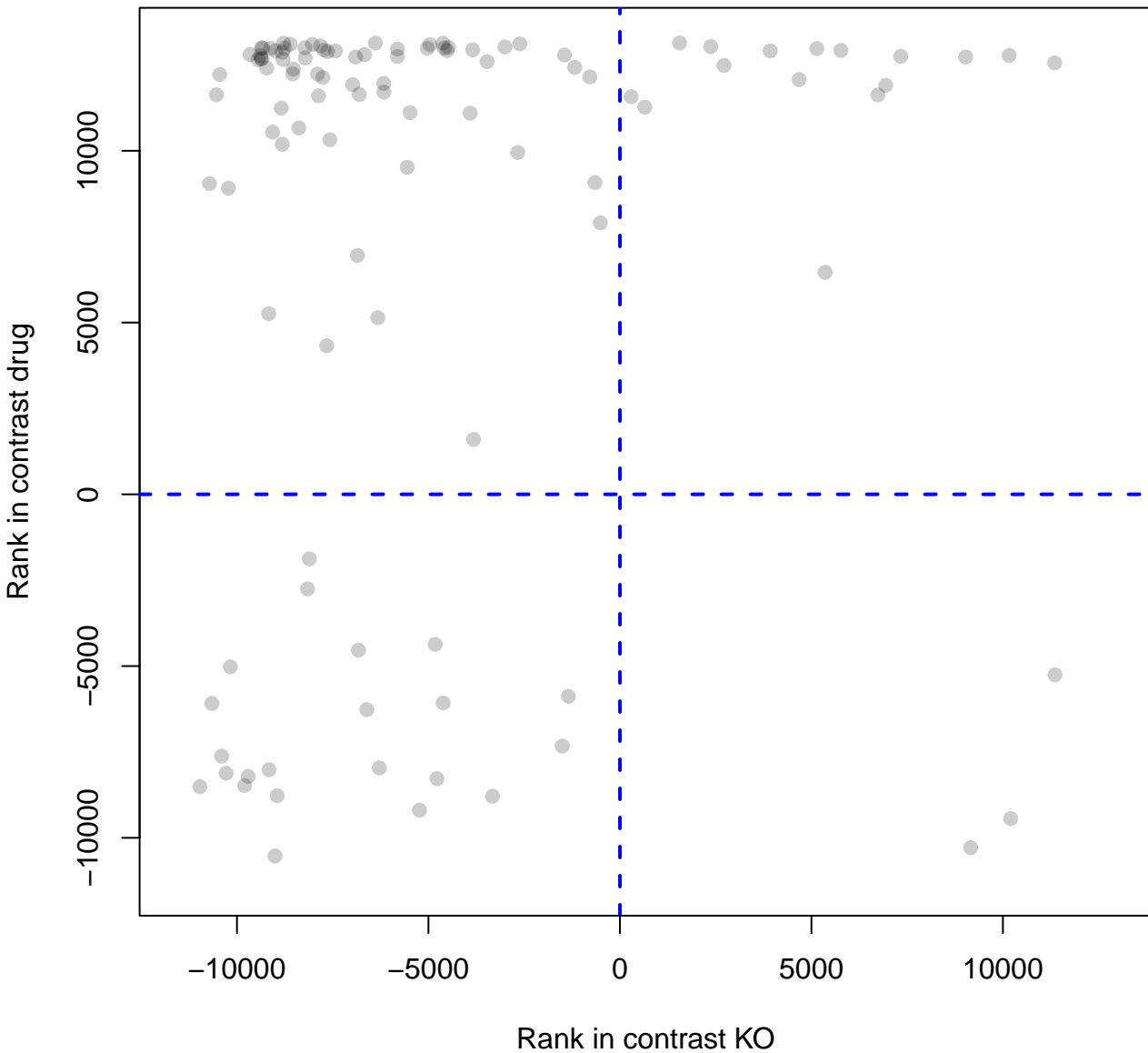
L13a-mediated translational silencing of Ceruloplasmin



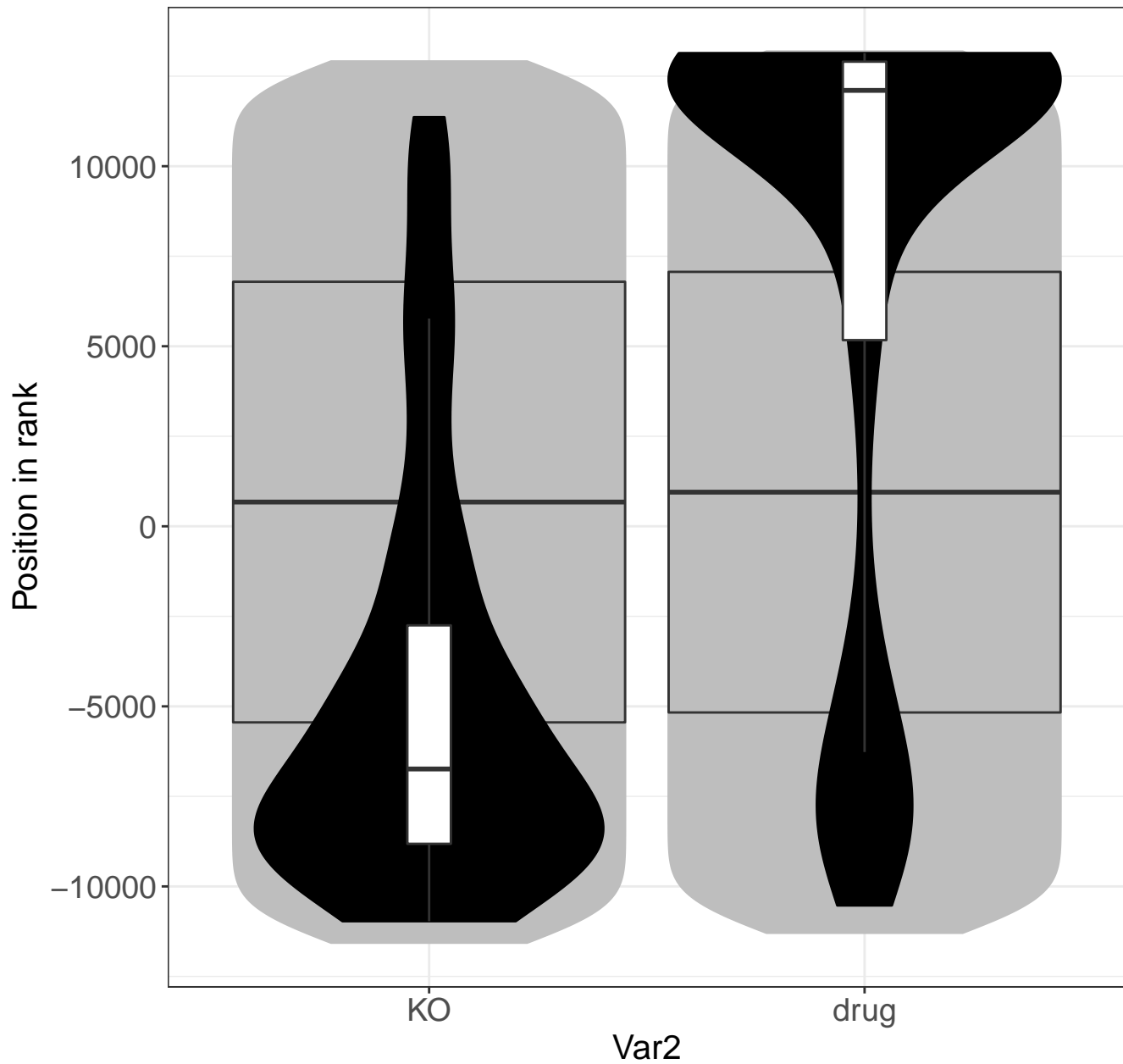
GTP hydrolysis and joining of the 60S ribosomal subun



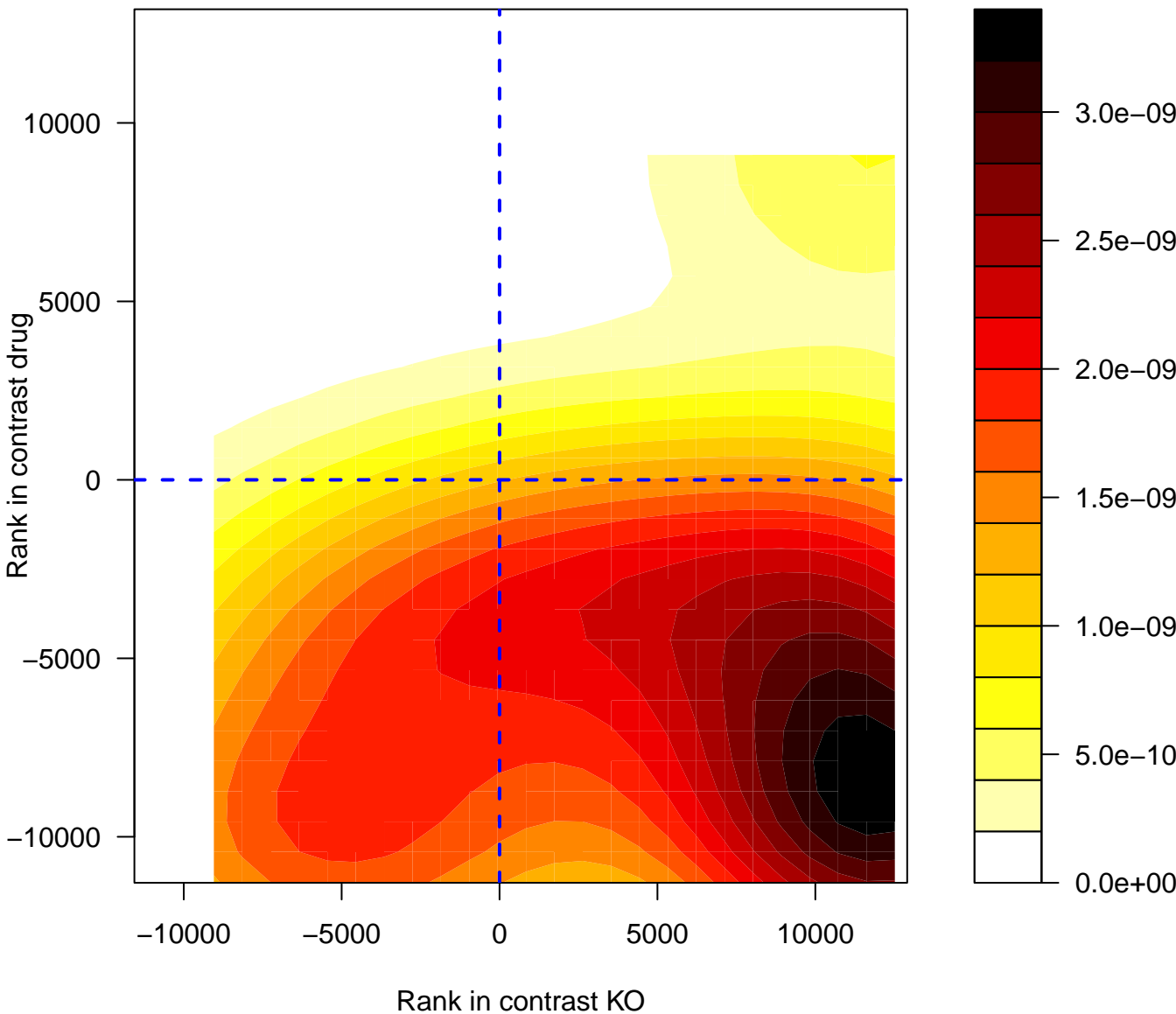
GTP hydrolysis and joining of the 60S ribosomal subunit



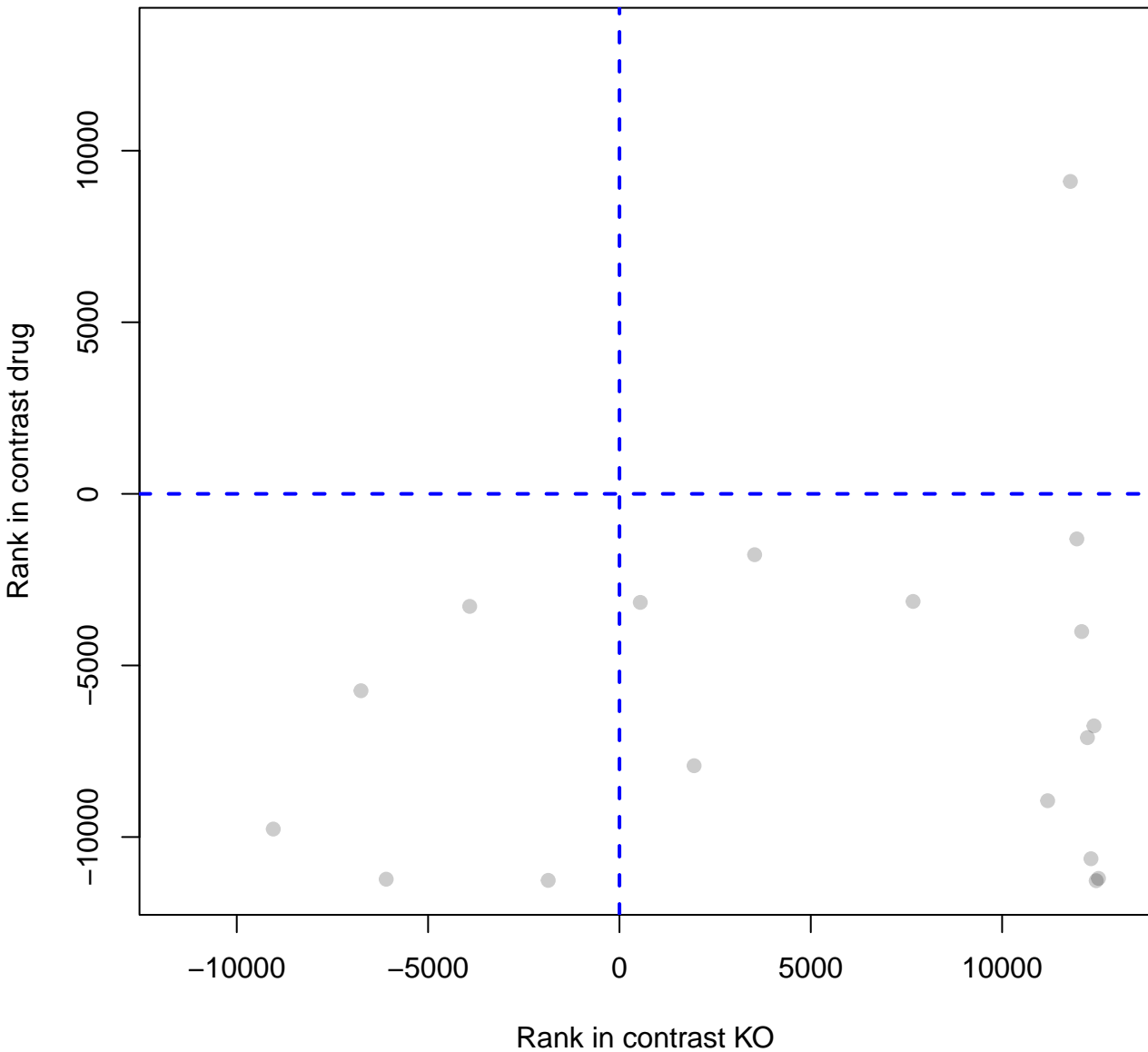
GTP hydrolysis and joining of the 60S ribosomal



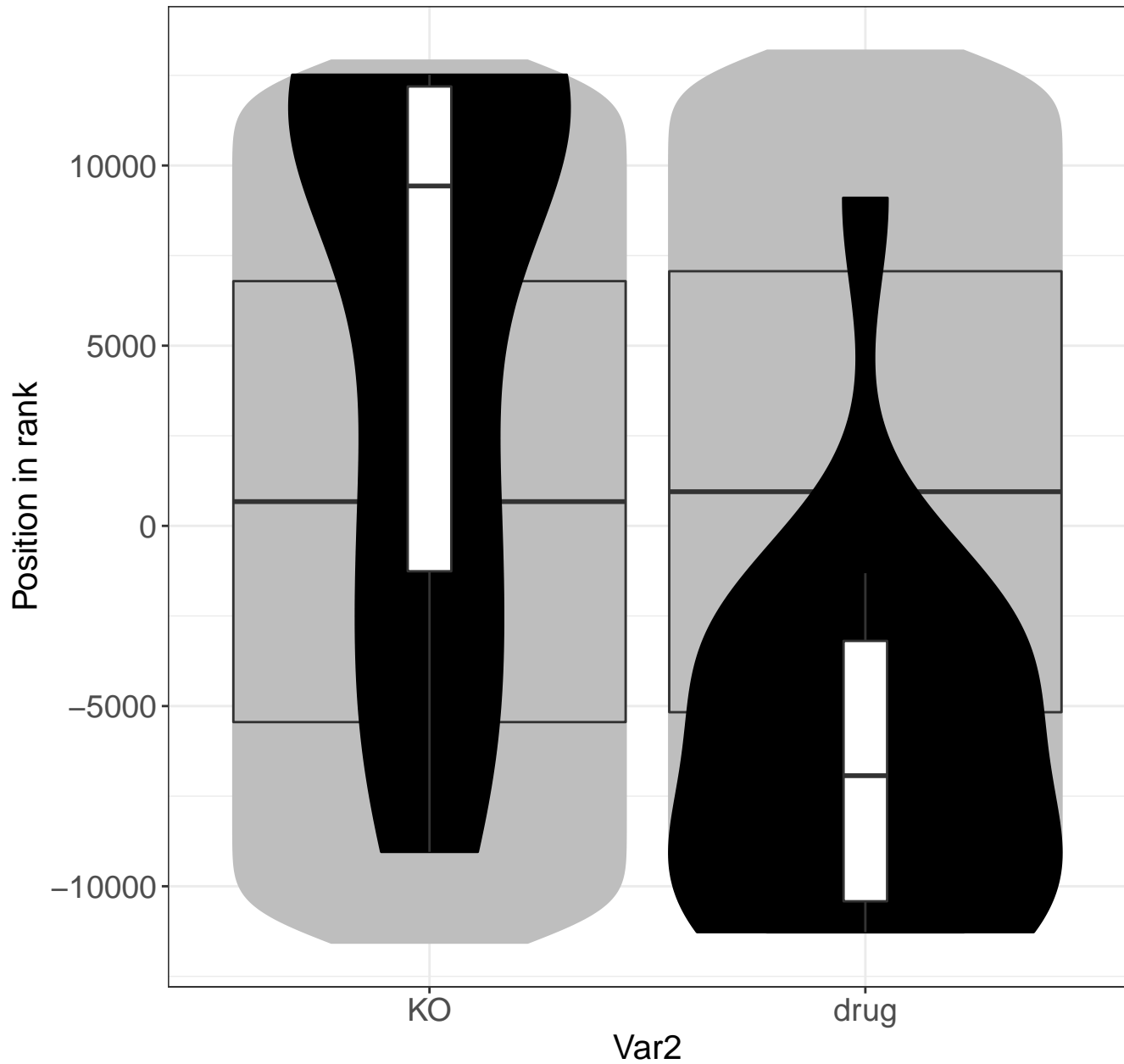
Defective B3GAT3 causes JDSSDHD



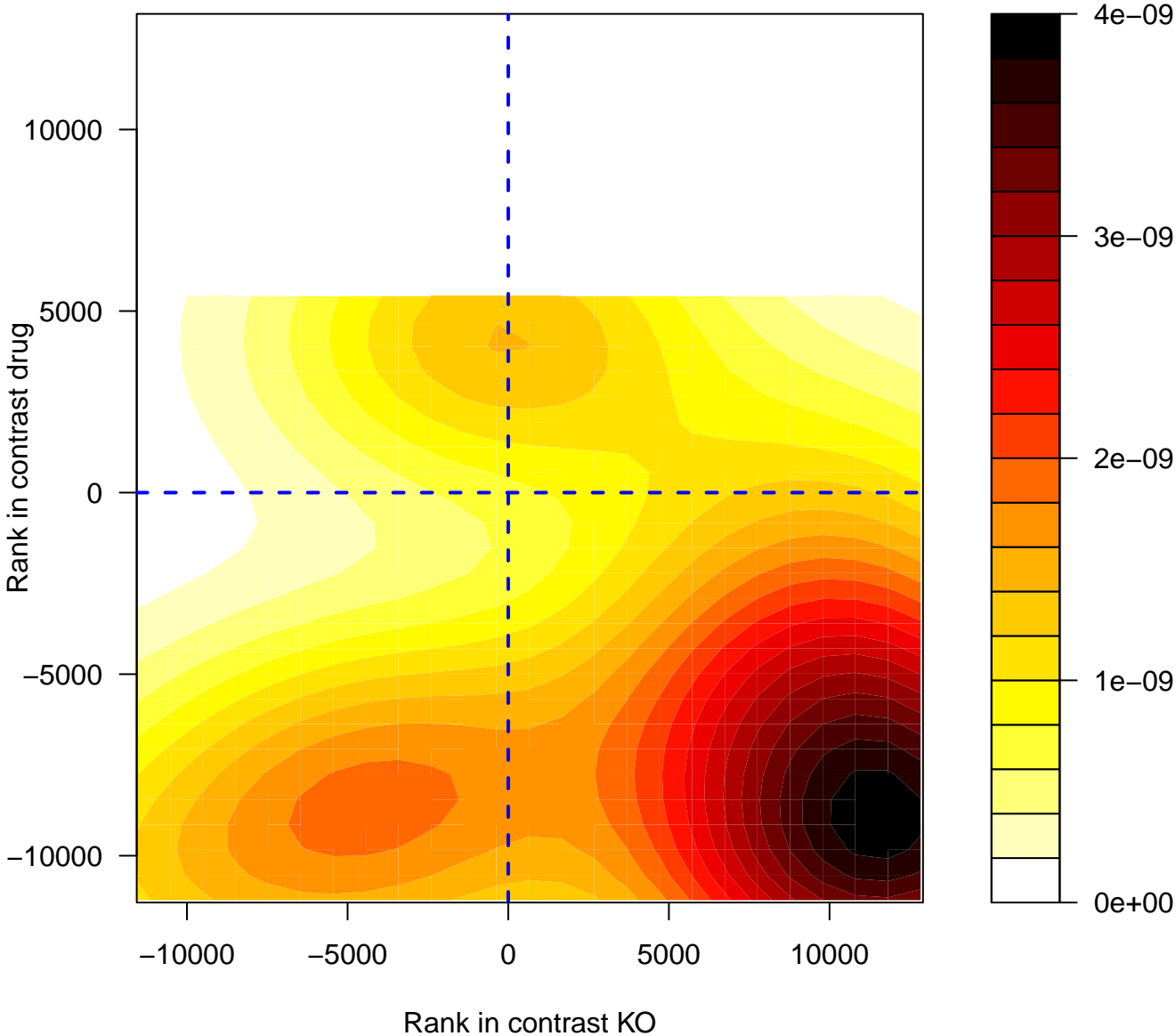
Defective B3GAT3 causes JDSSDHD



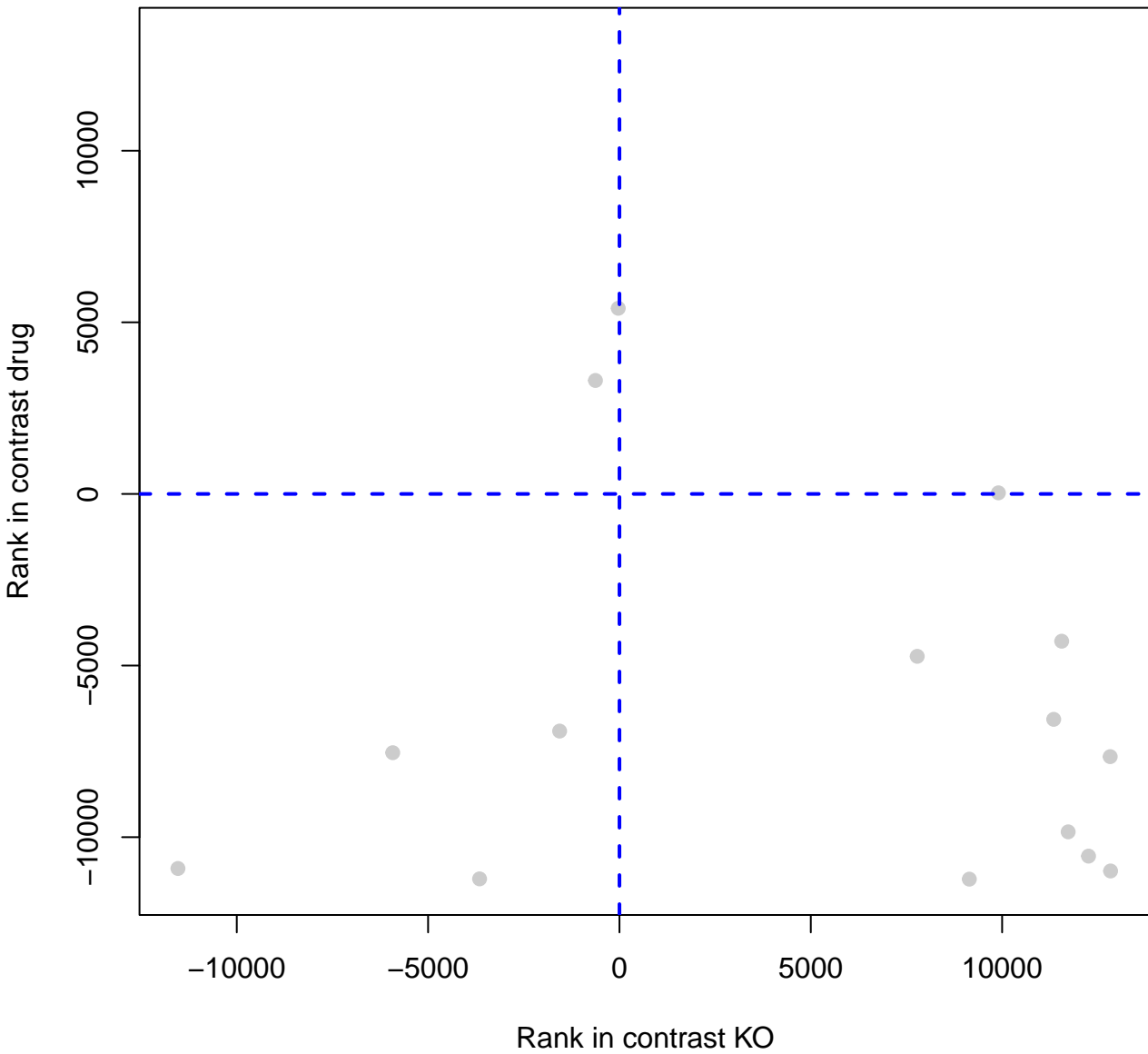
Defective B3GAT3 causes JDSSDHD



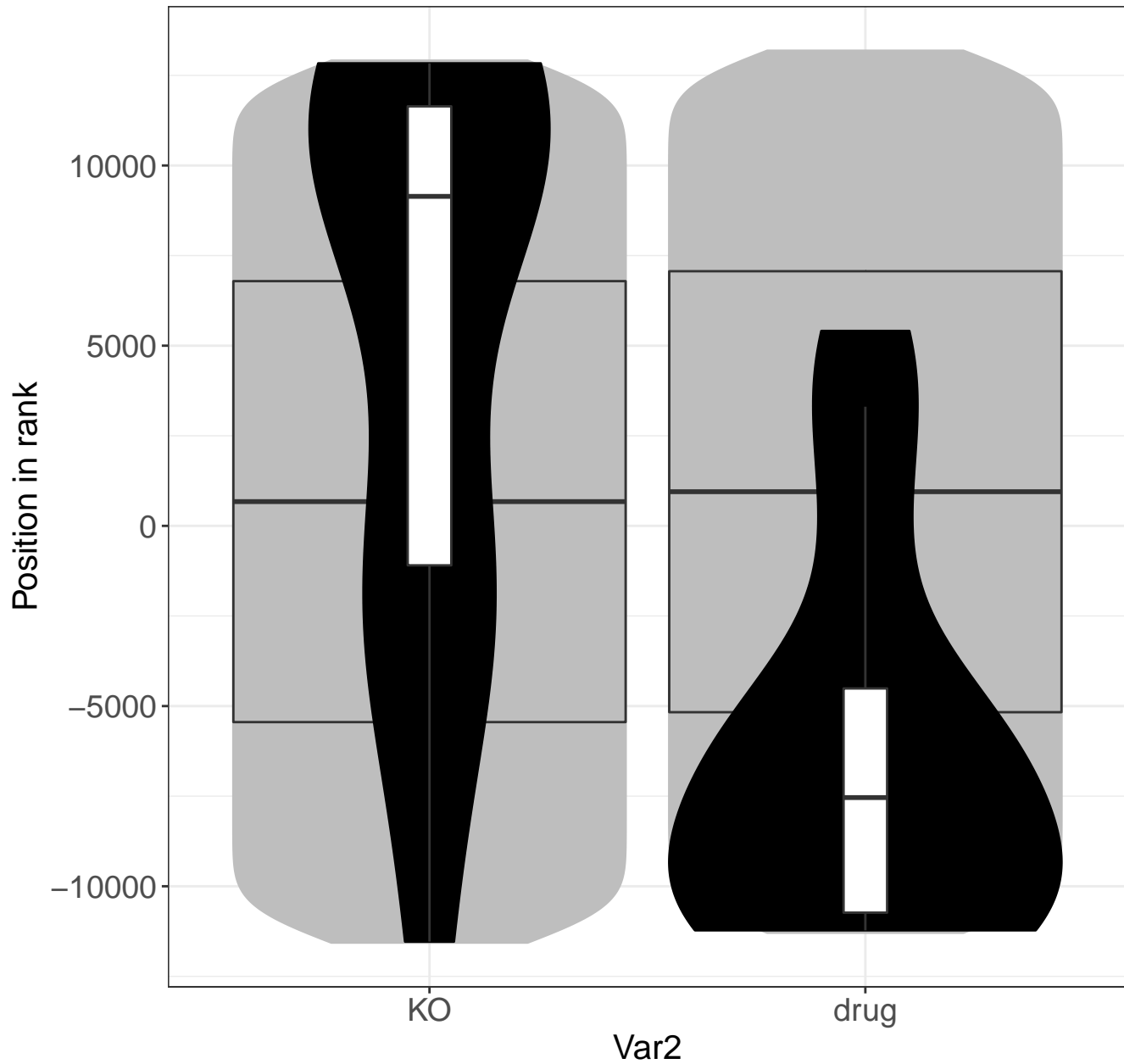
Other semaphorin interactions



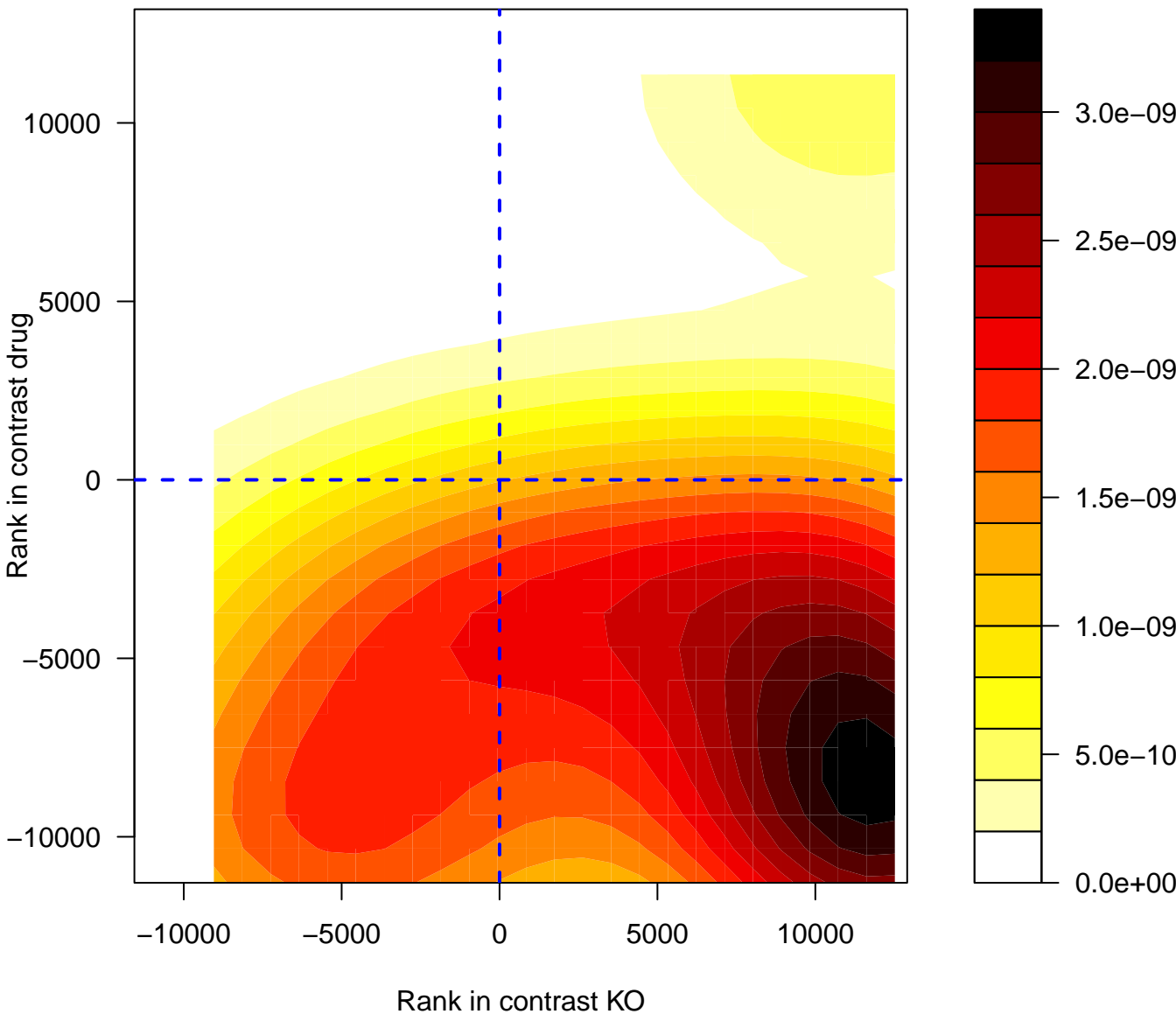
Other semaphorin interactions



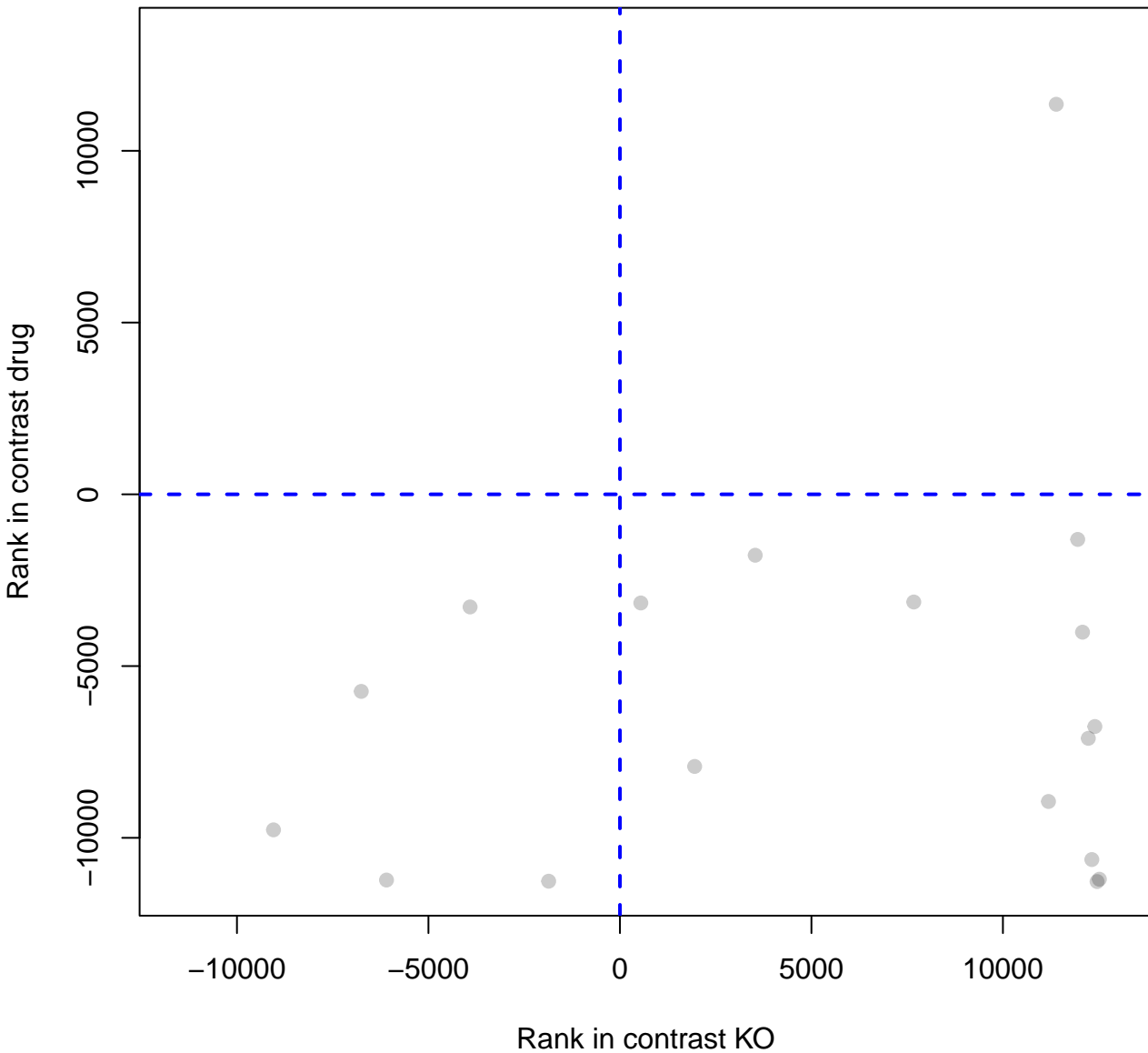
Other semaphorin interactions



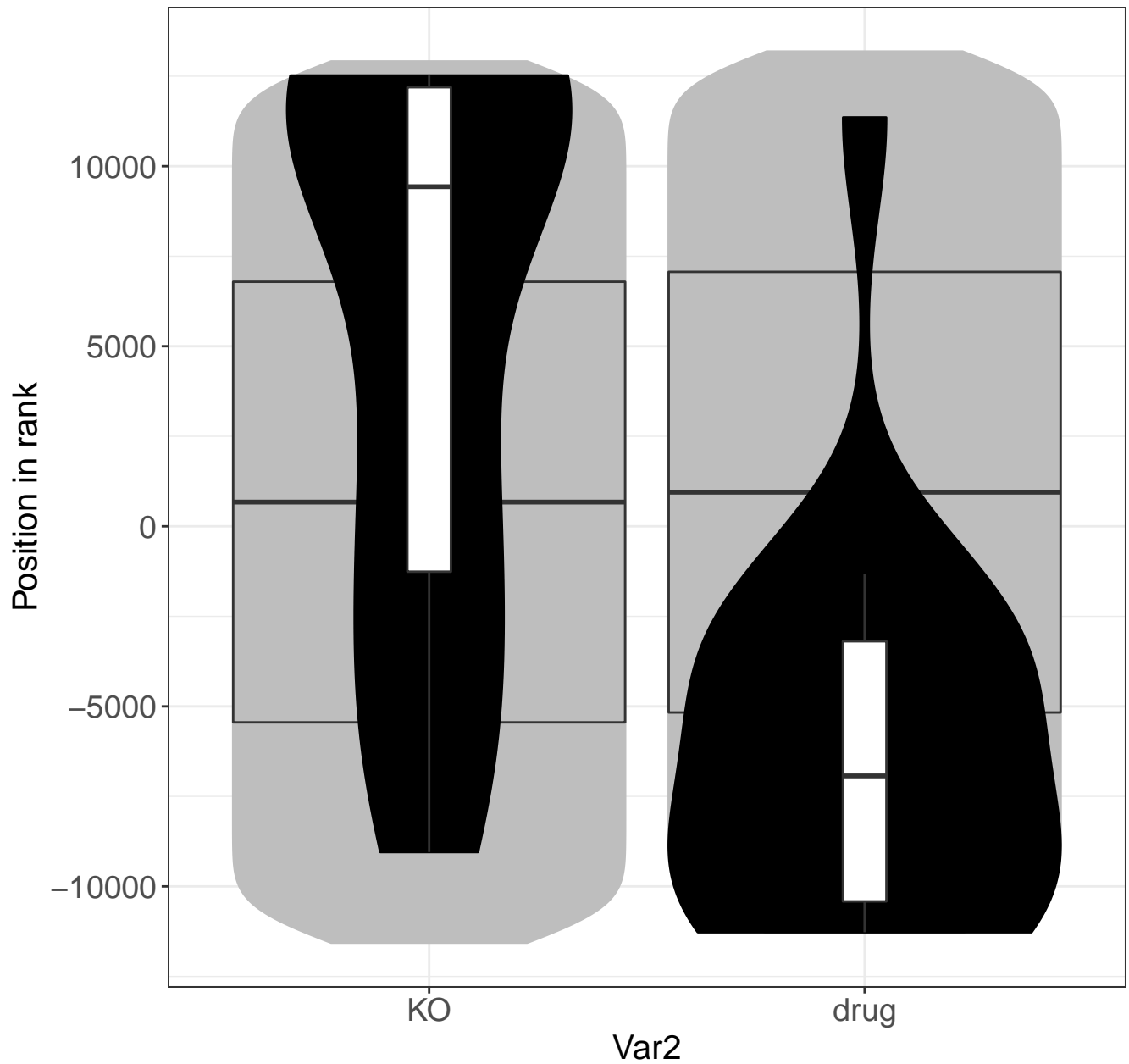
Defective B3GALT6 causes EDSP2 and SEMDJL1



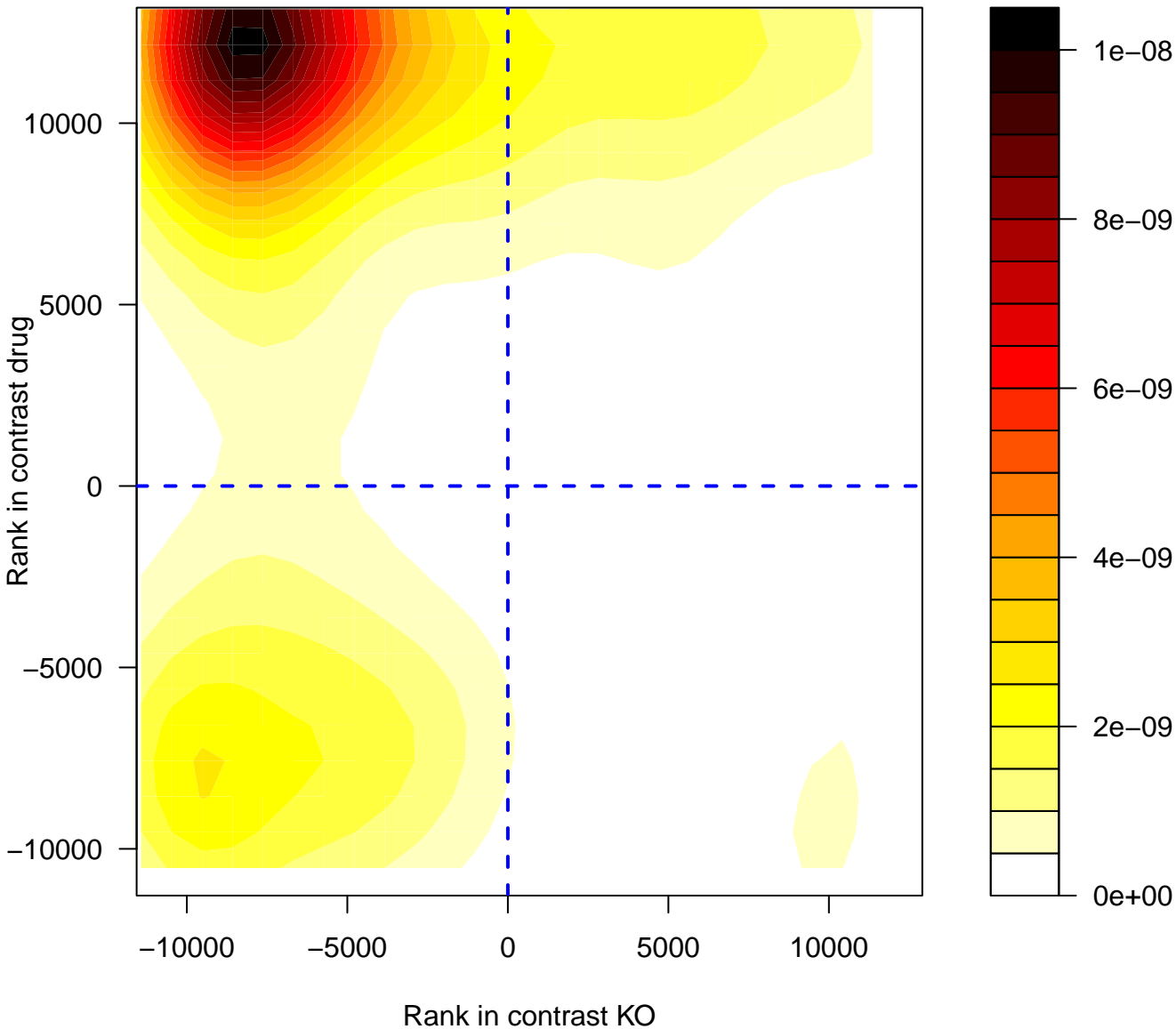
Defective B3GALT6 causes EDSP2 and SEMDJL1



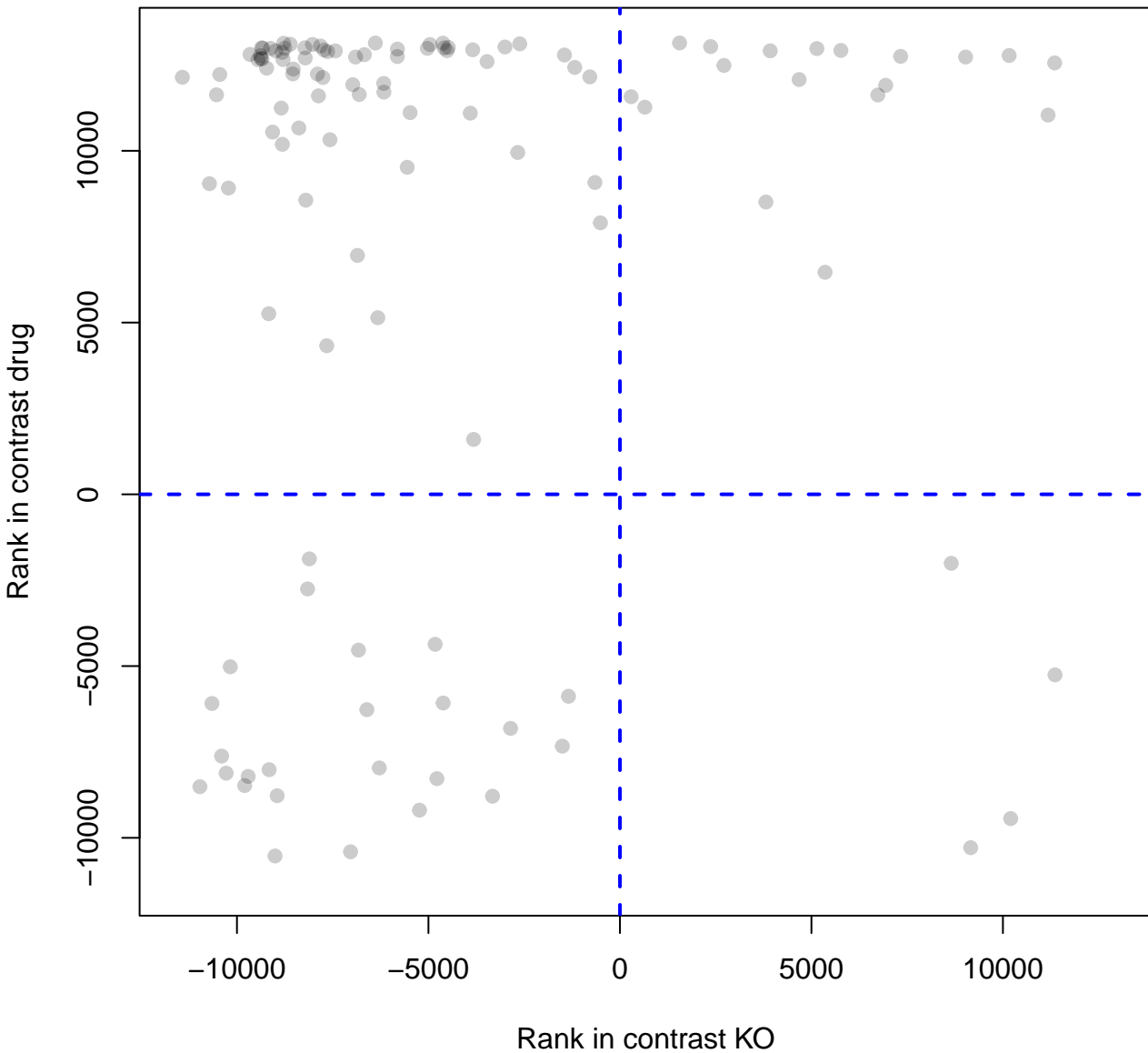
Defective B3GALT6 causes EDSP2 and SEMDJJ



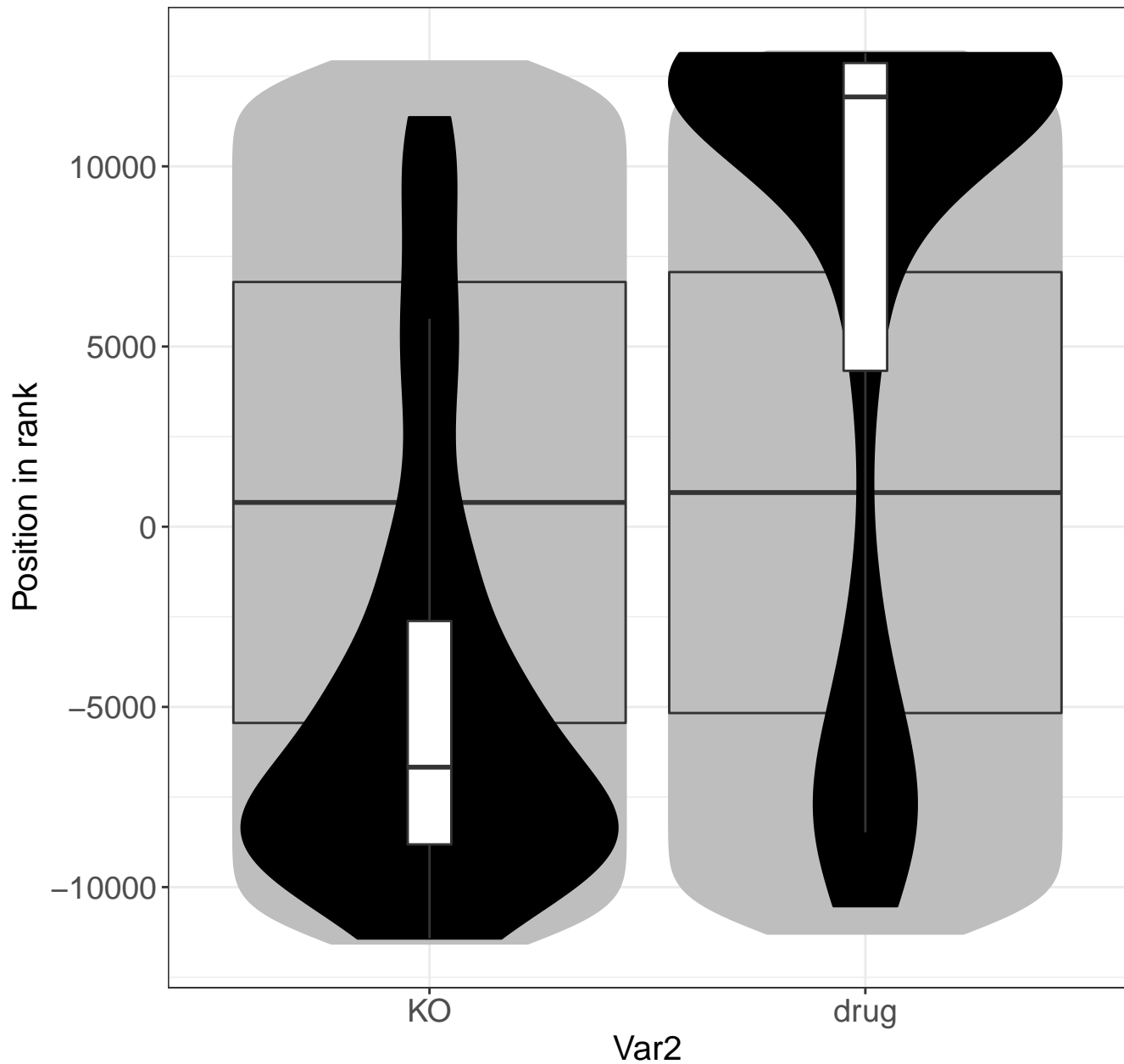
Cap-dependent Translation Initiation



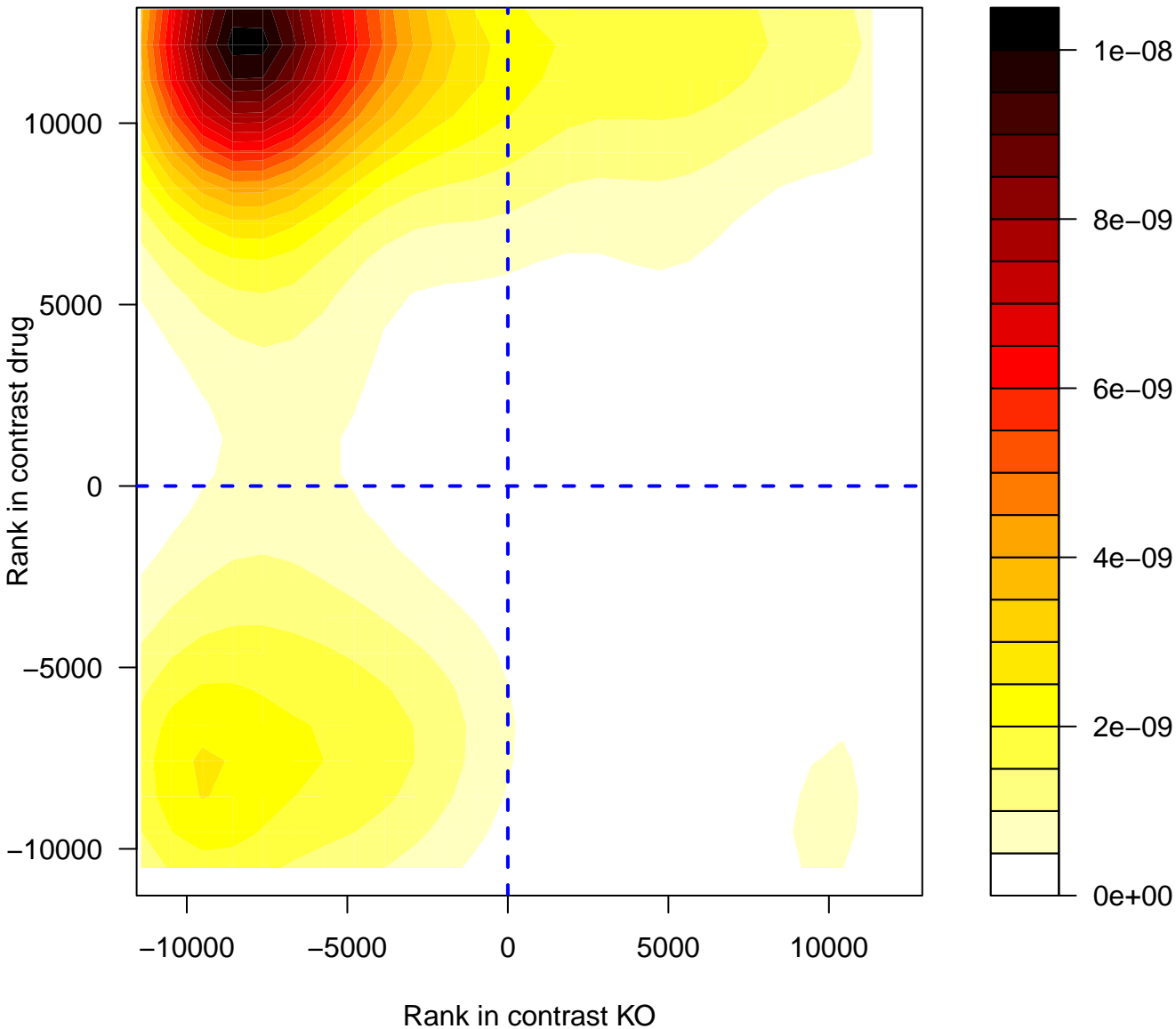
Cap-dependent Translation Initiation



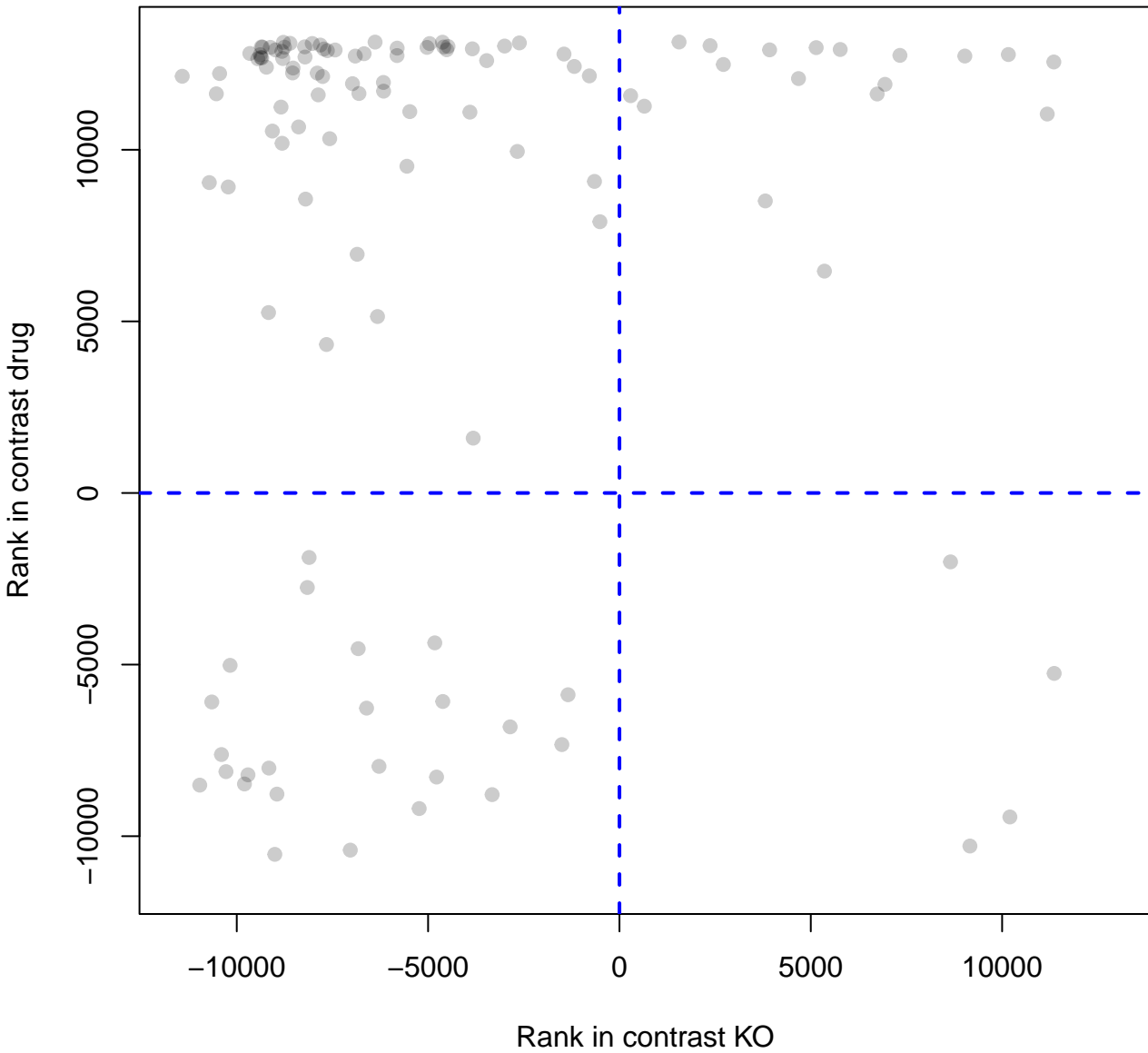
Cap-dependent Translation Initiation



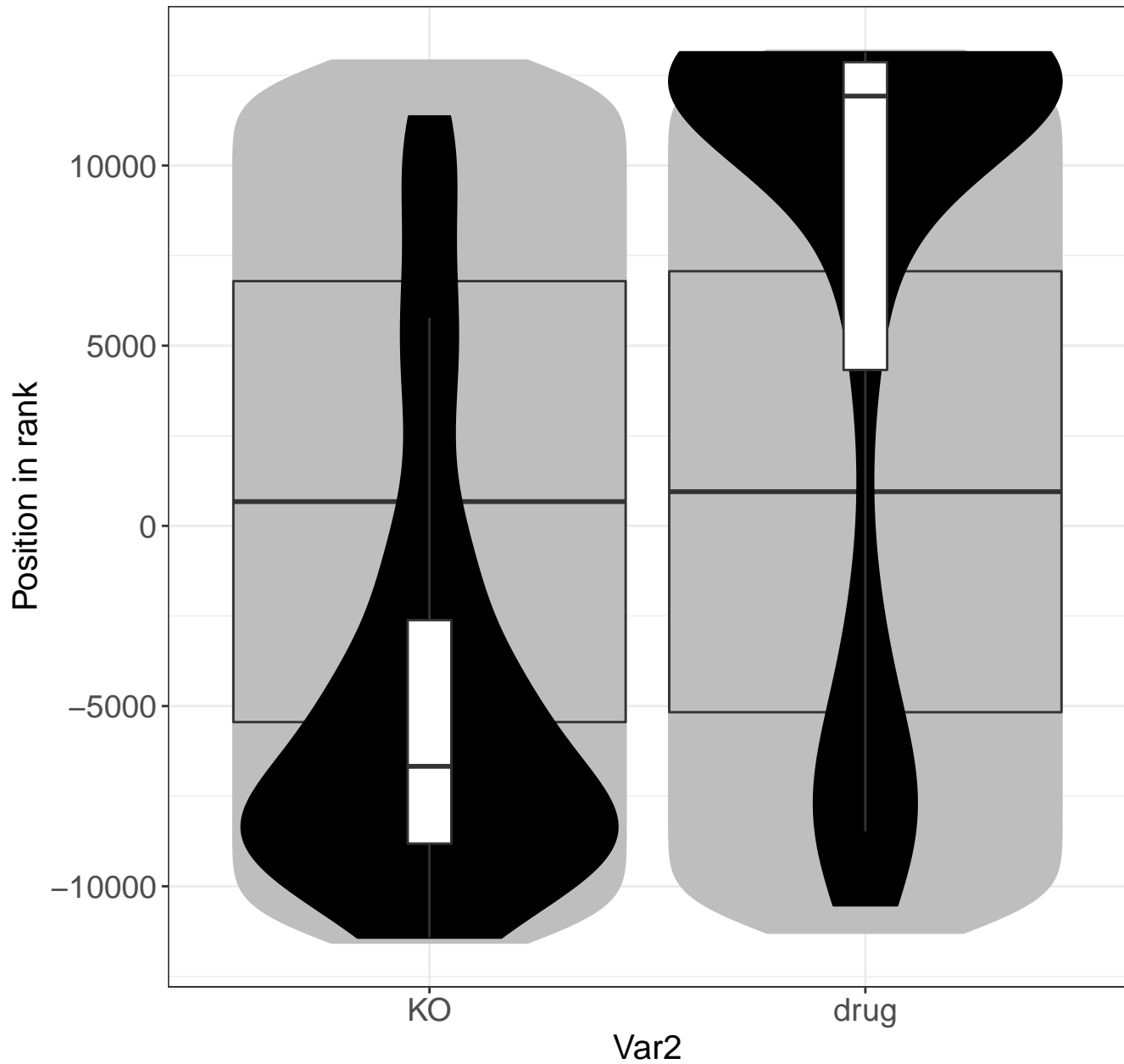
Eukaryotic Translation Initiation



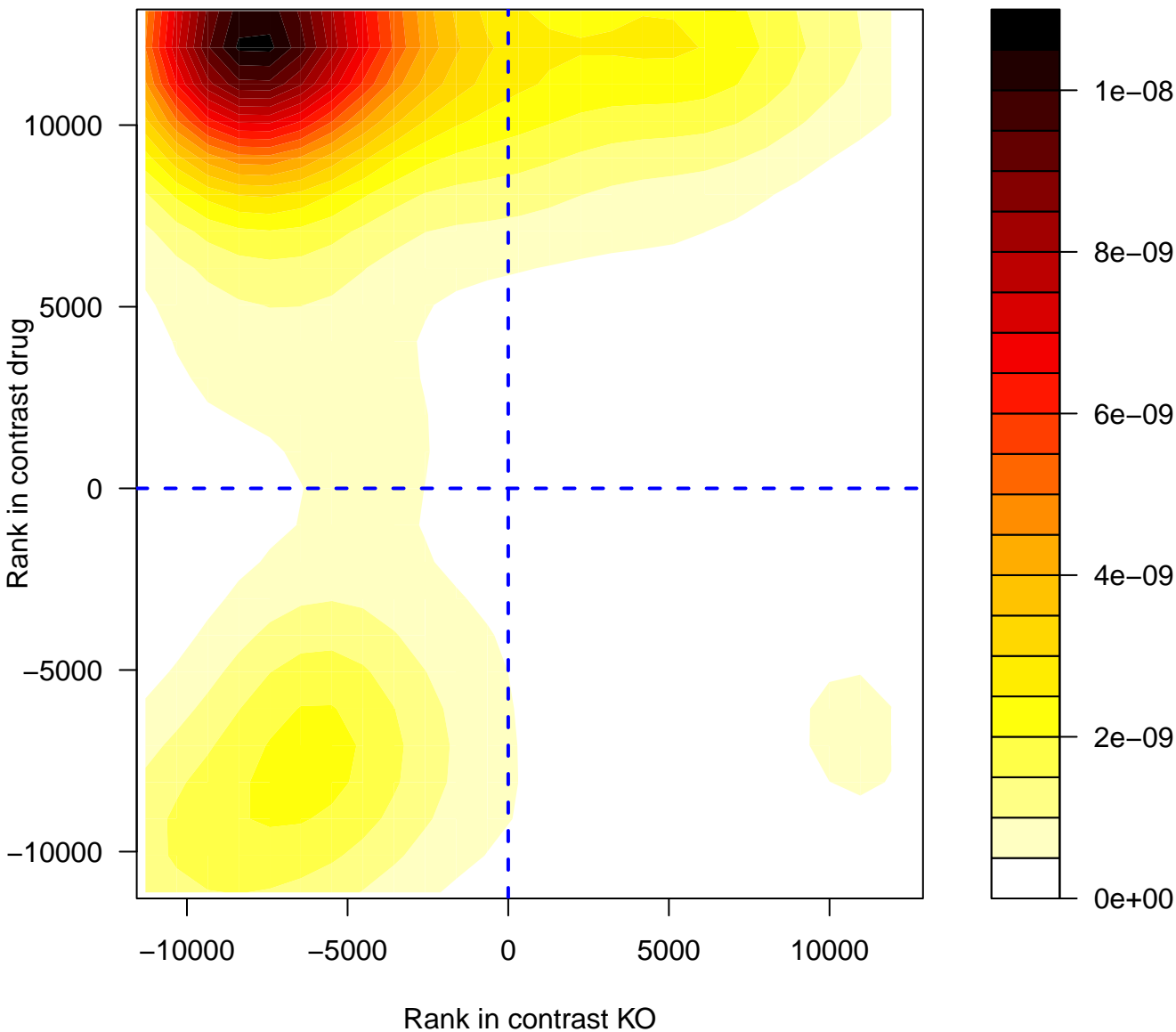
Eukaryotic Translation Initiation



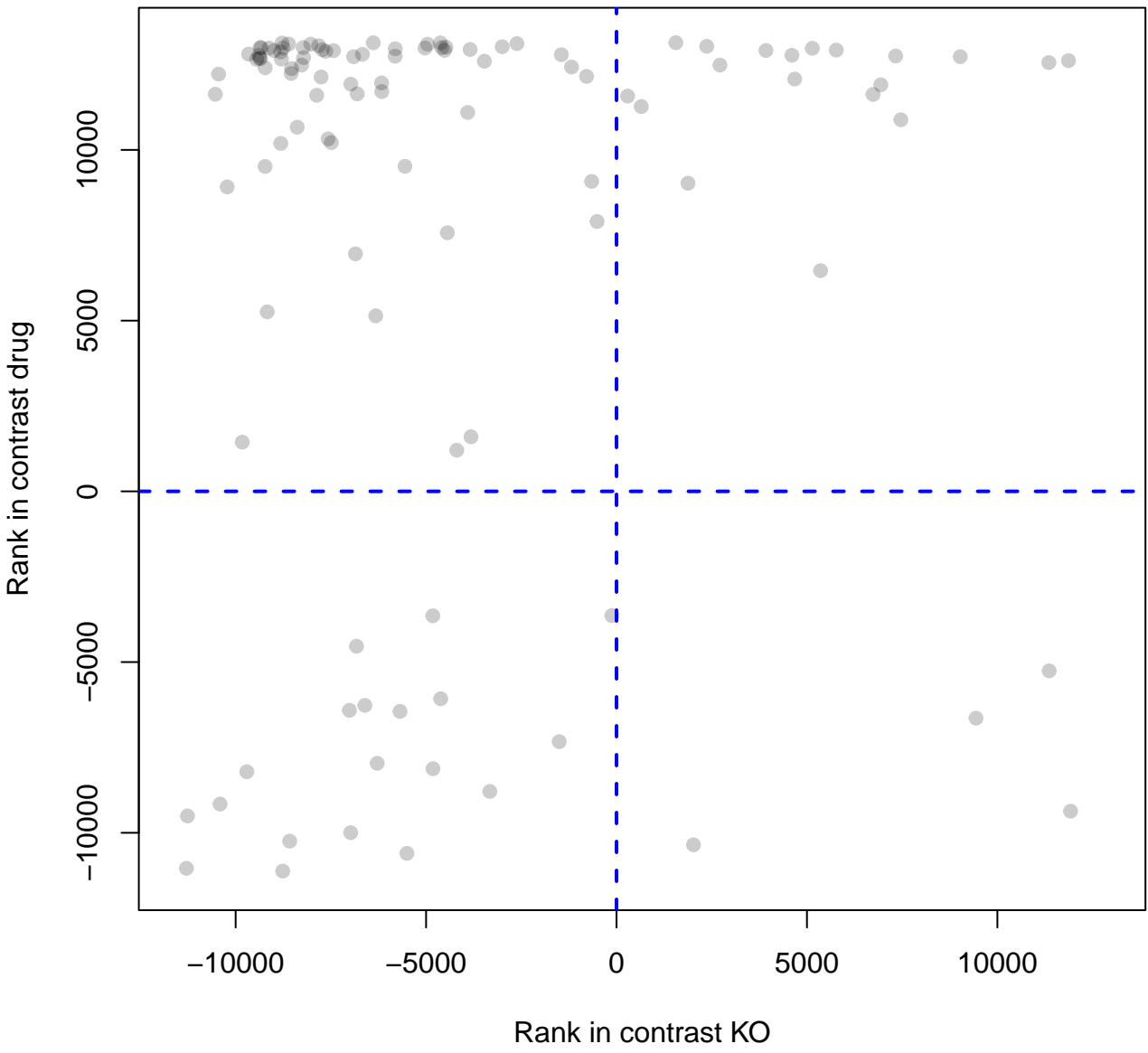
Eukaryotic Translation Initiation



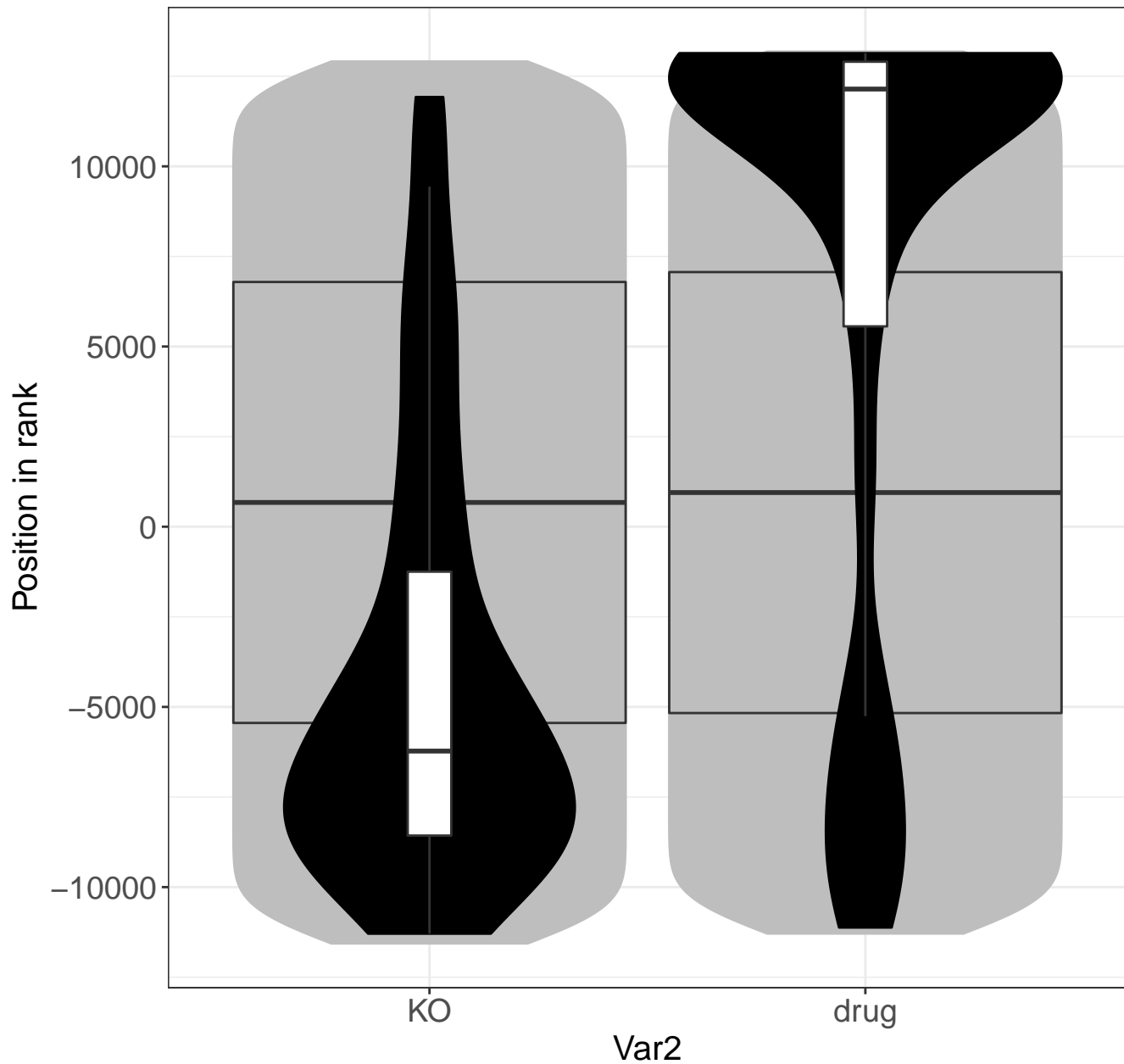
SRP-dependent cotranslational protein targeting to memb



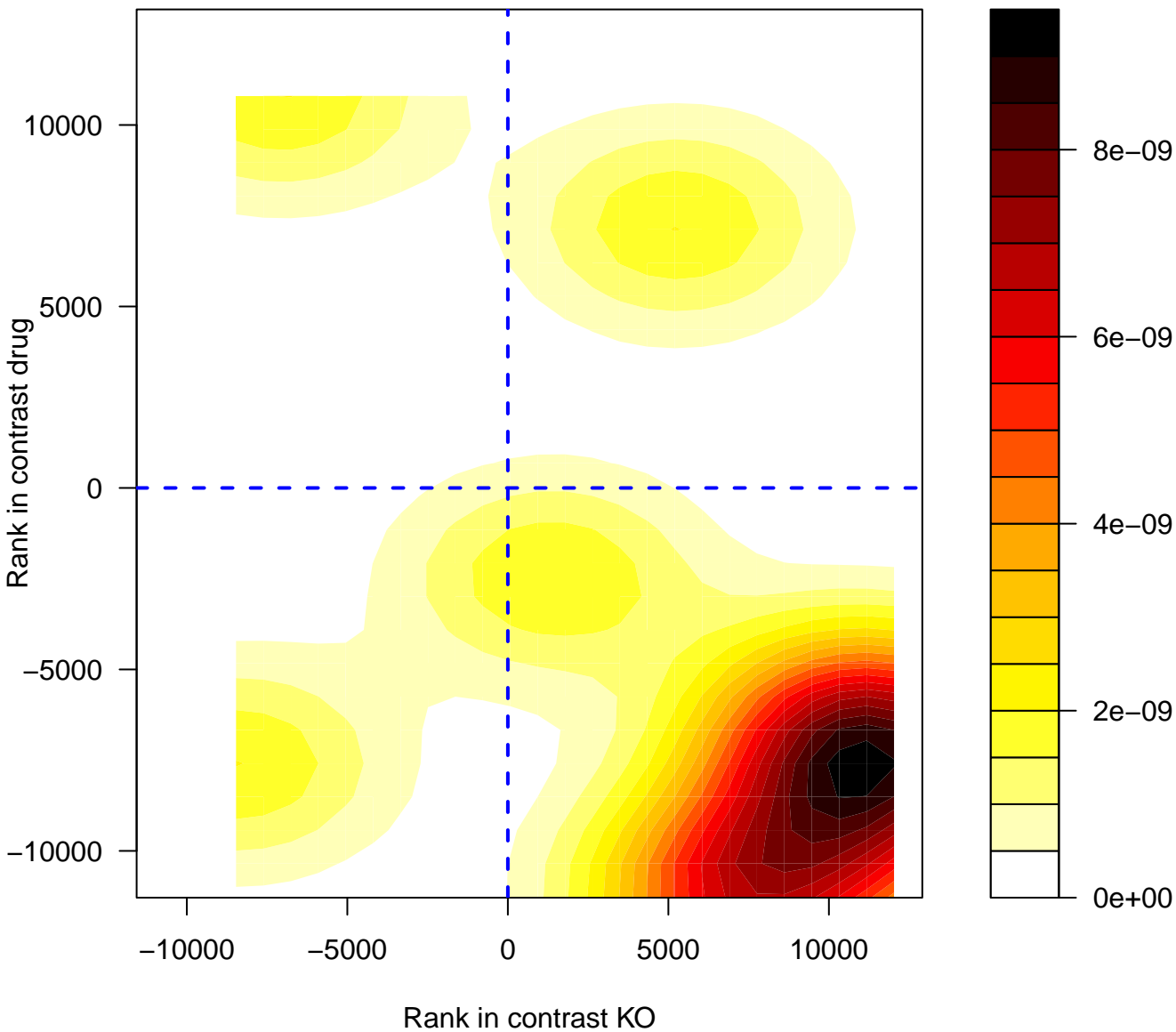
SRP-dependent cotranslational protein targeting to membrane



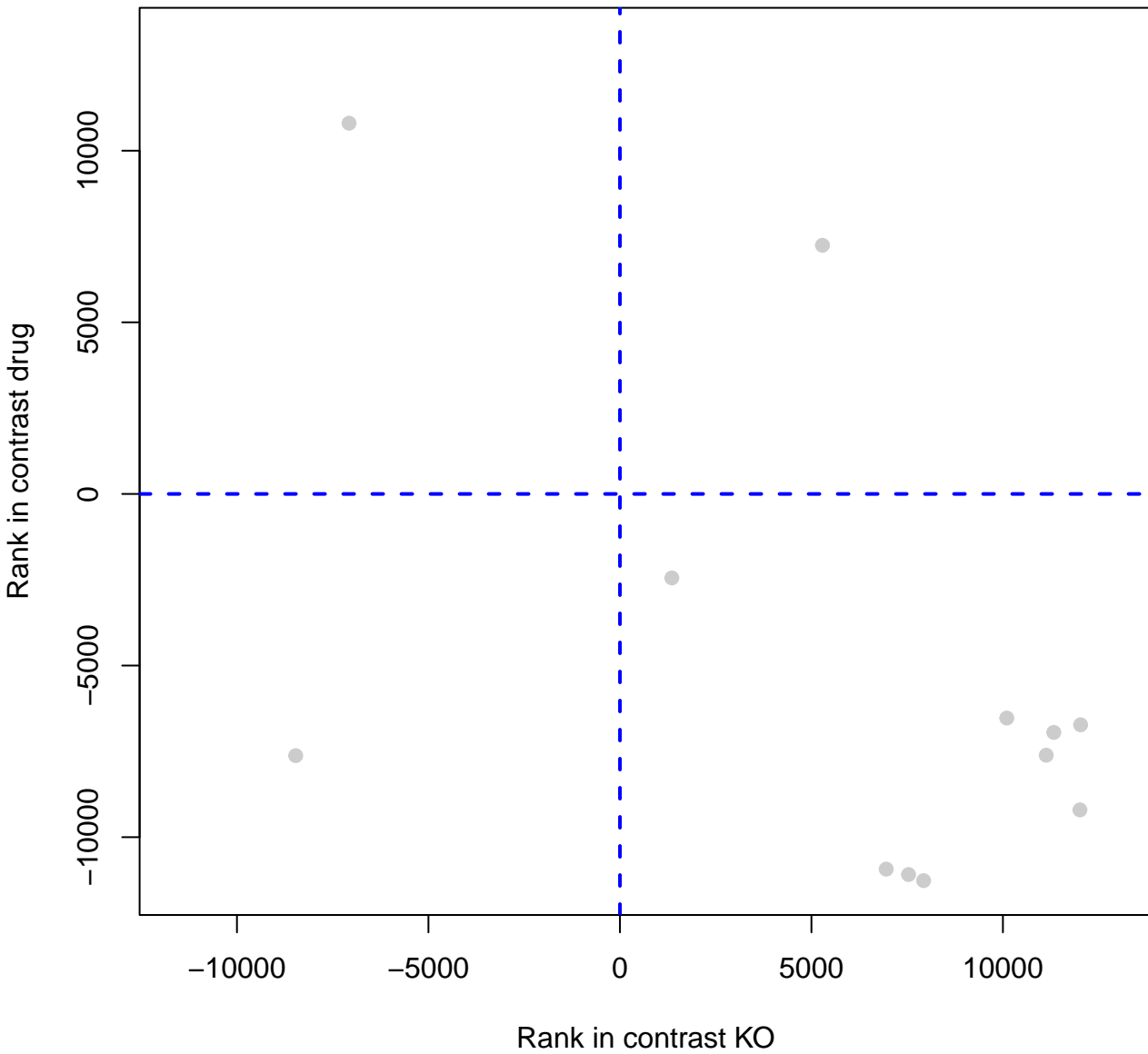
SRP-dependent cotranslational protein targeting



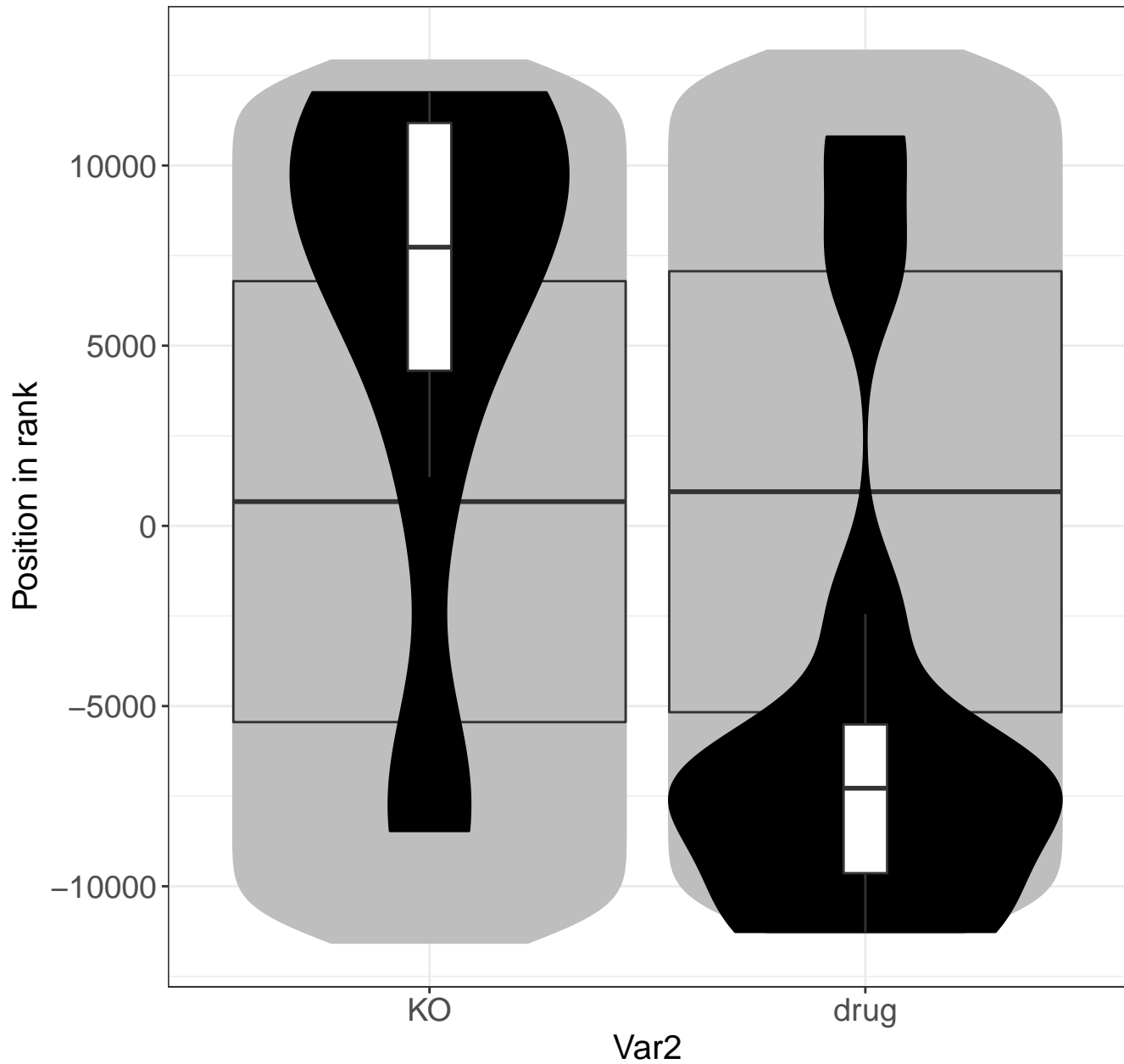
Reduction of cytosolic Ca⁺⁺ levels



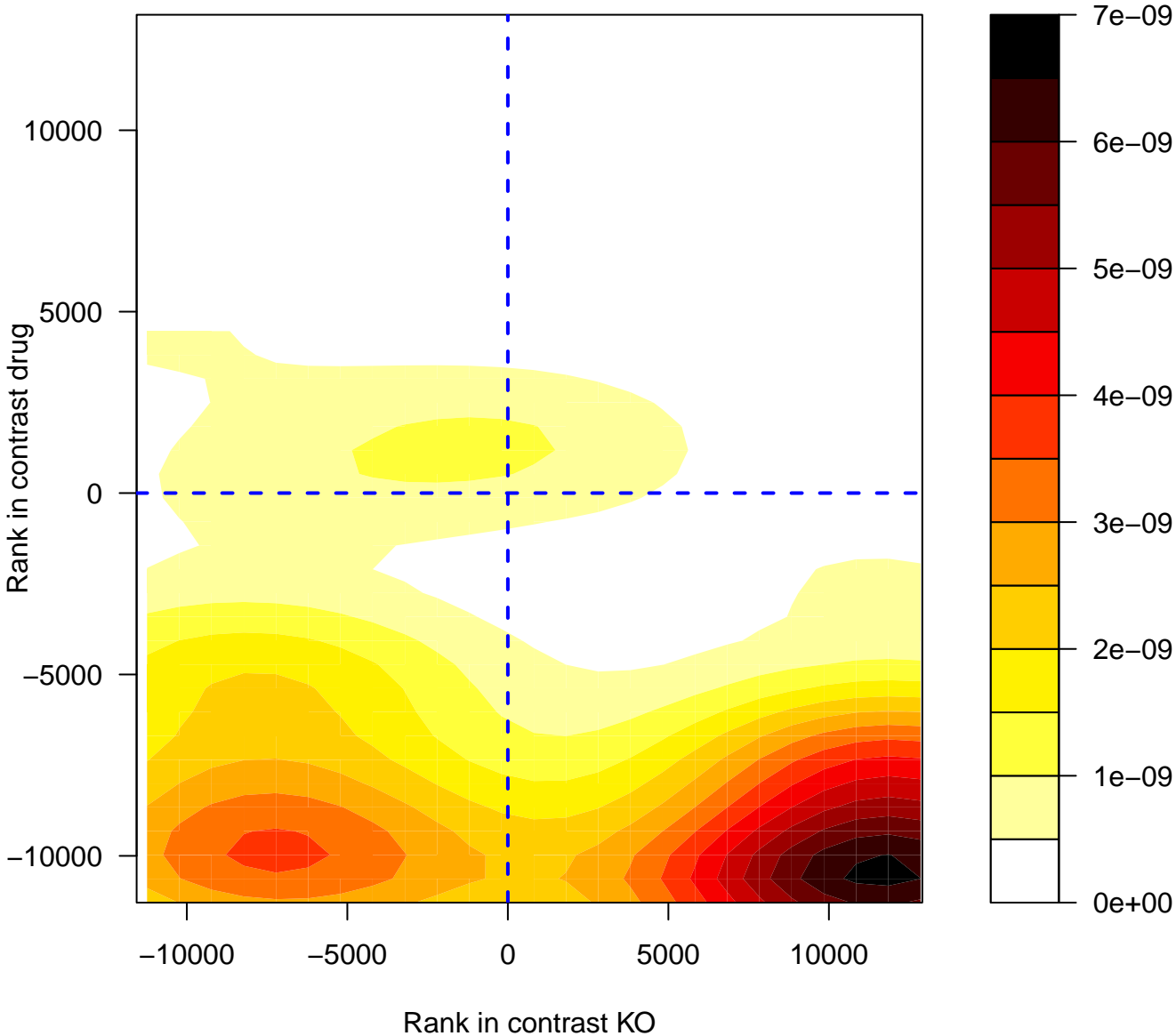
Reduction of cytosolic Ca⁺⁺ levels



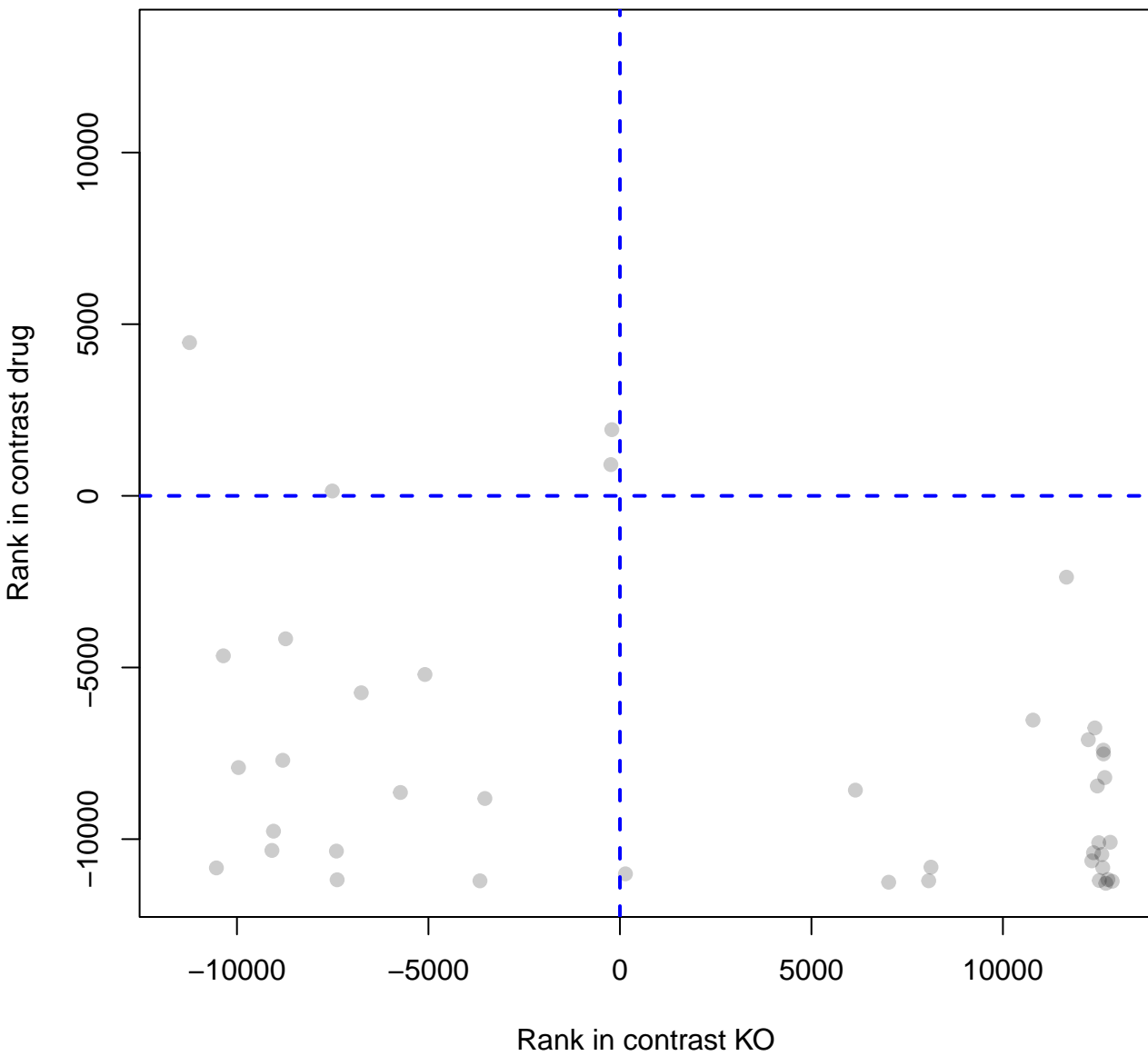
Reduction of cytosolic Ca⁺⁺ levels



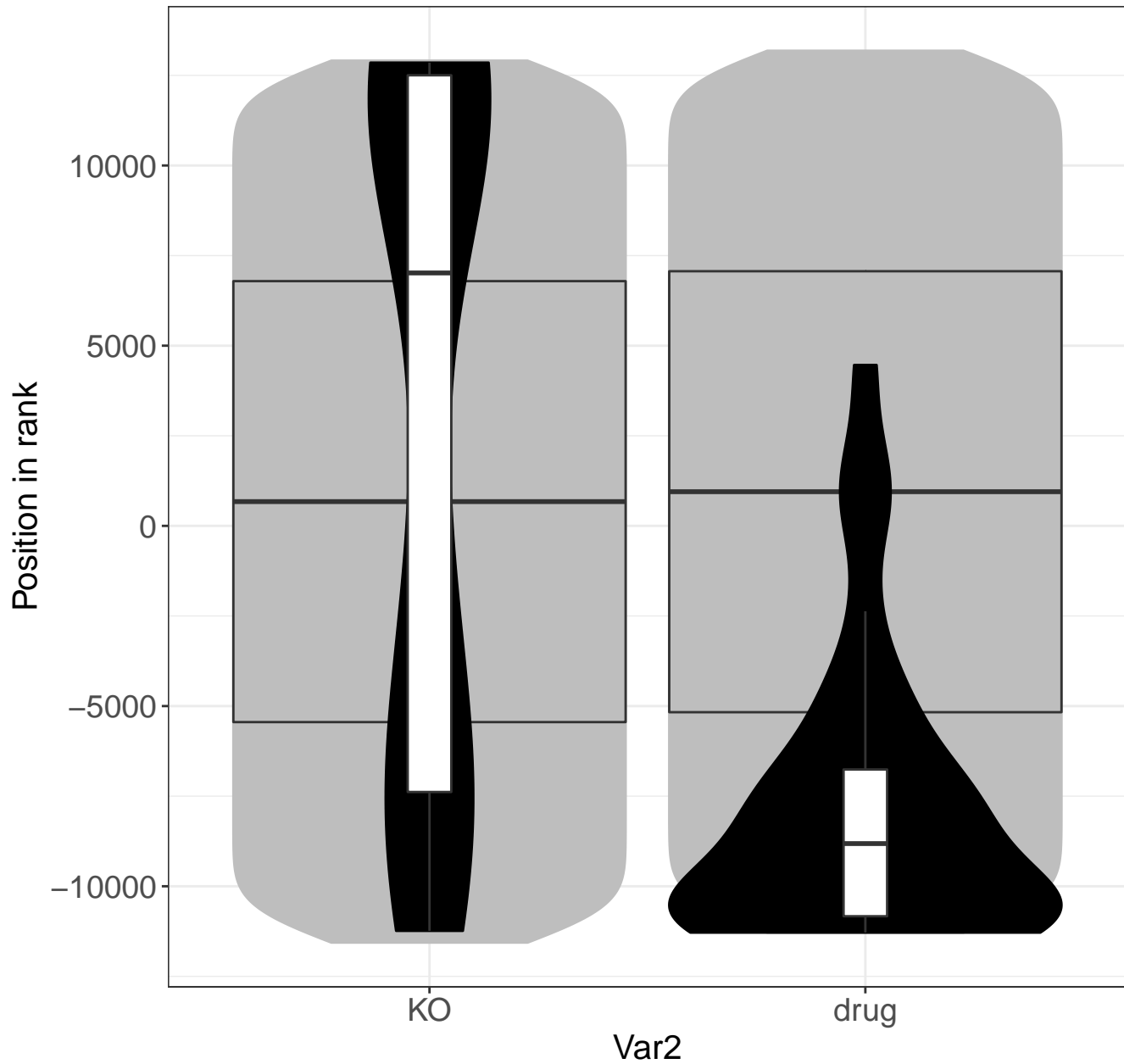
Non-integrin membrane-ECM interactions



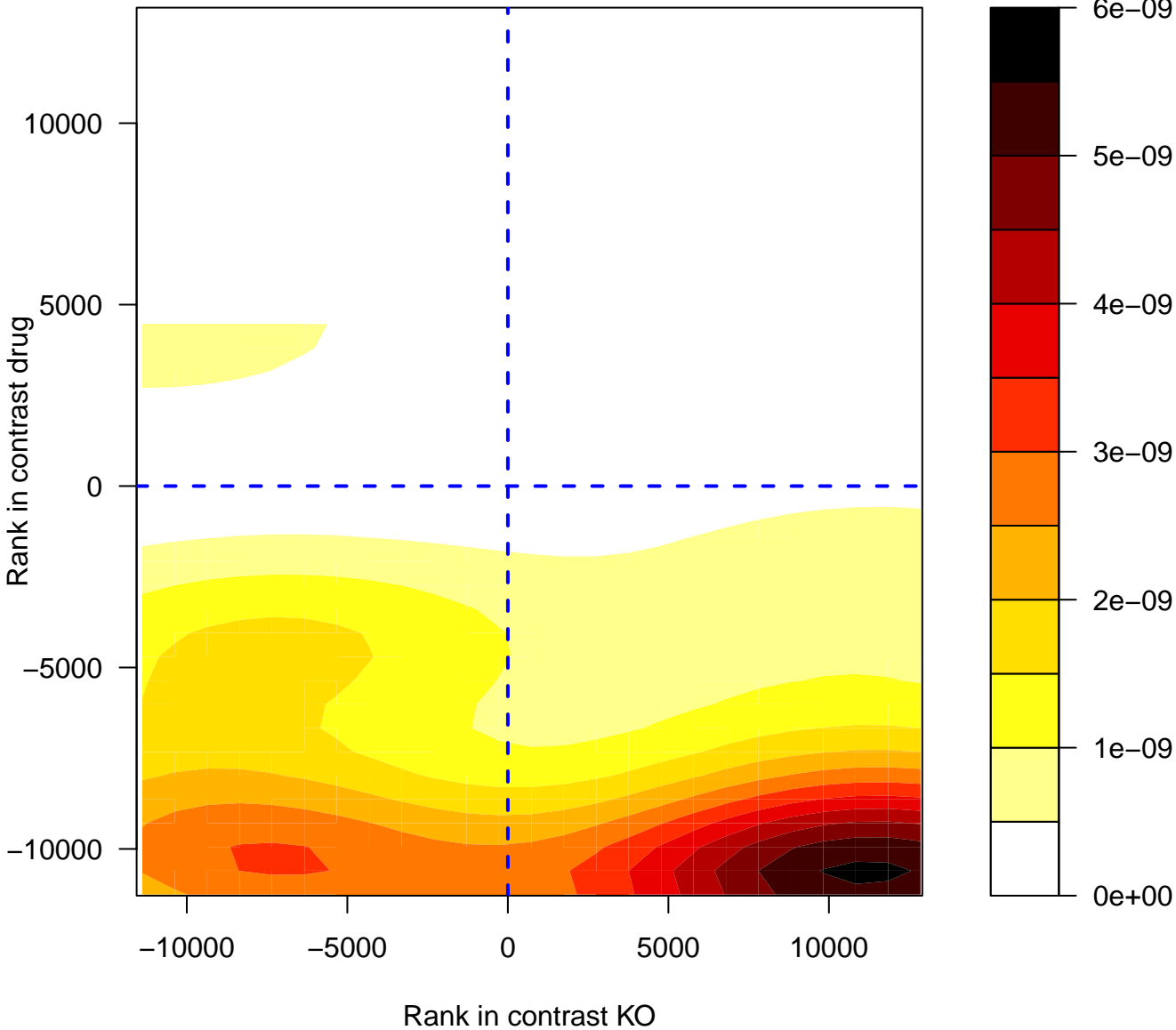
Non-integrin membrane-ECM interactions



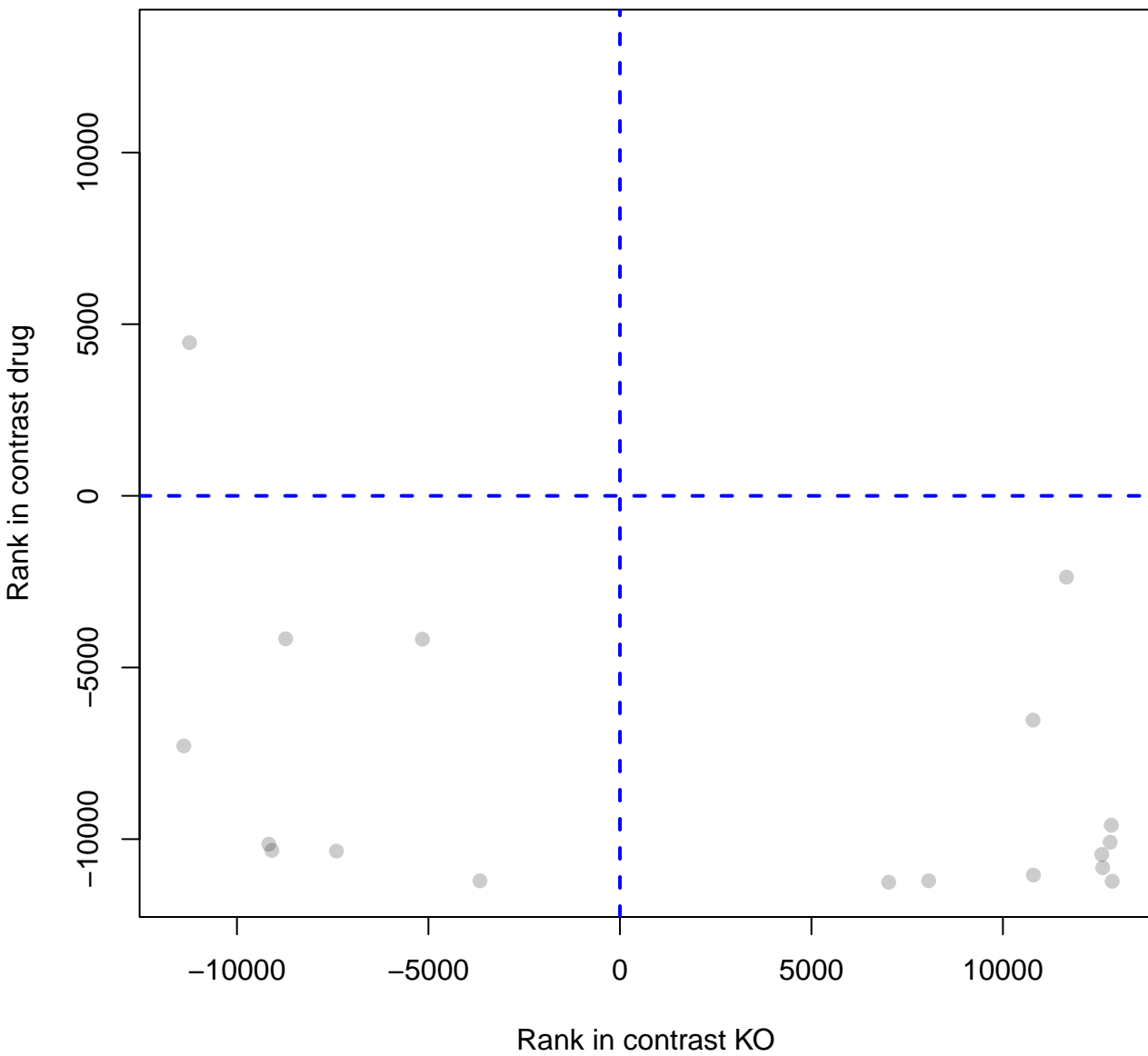
Non-integrin membrane-ECM interactions



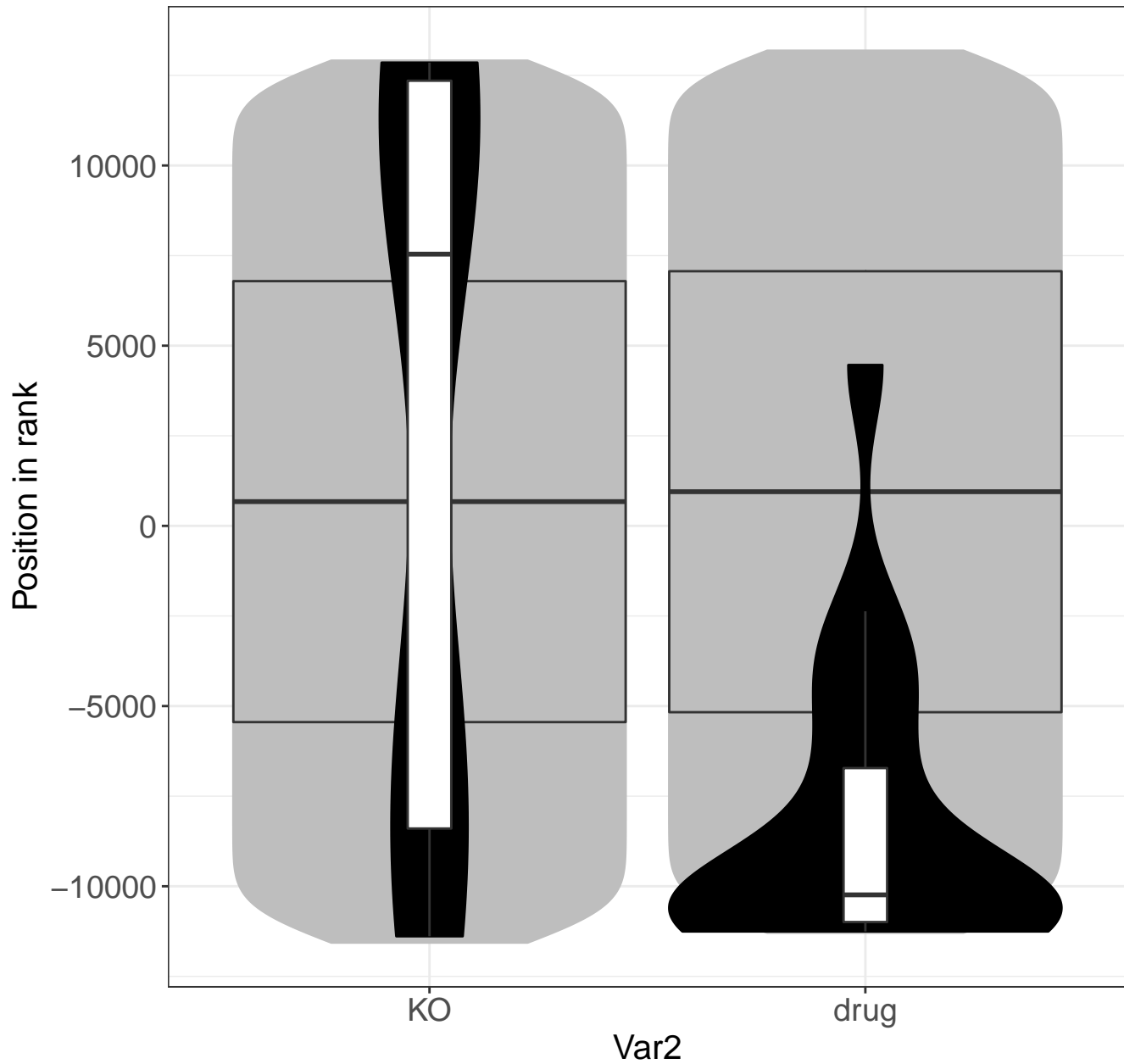
MET activates PTK2 signaling



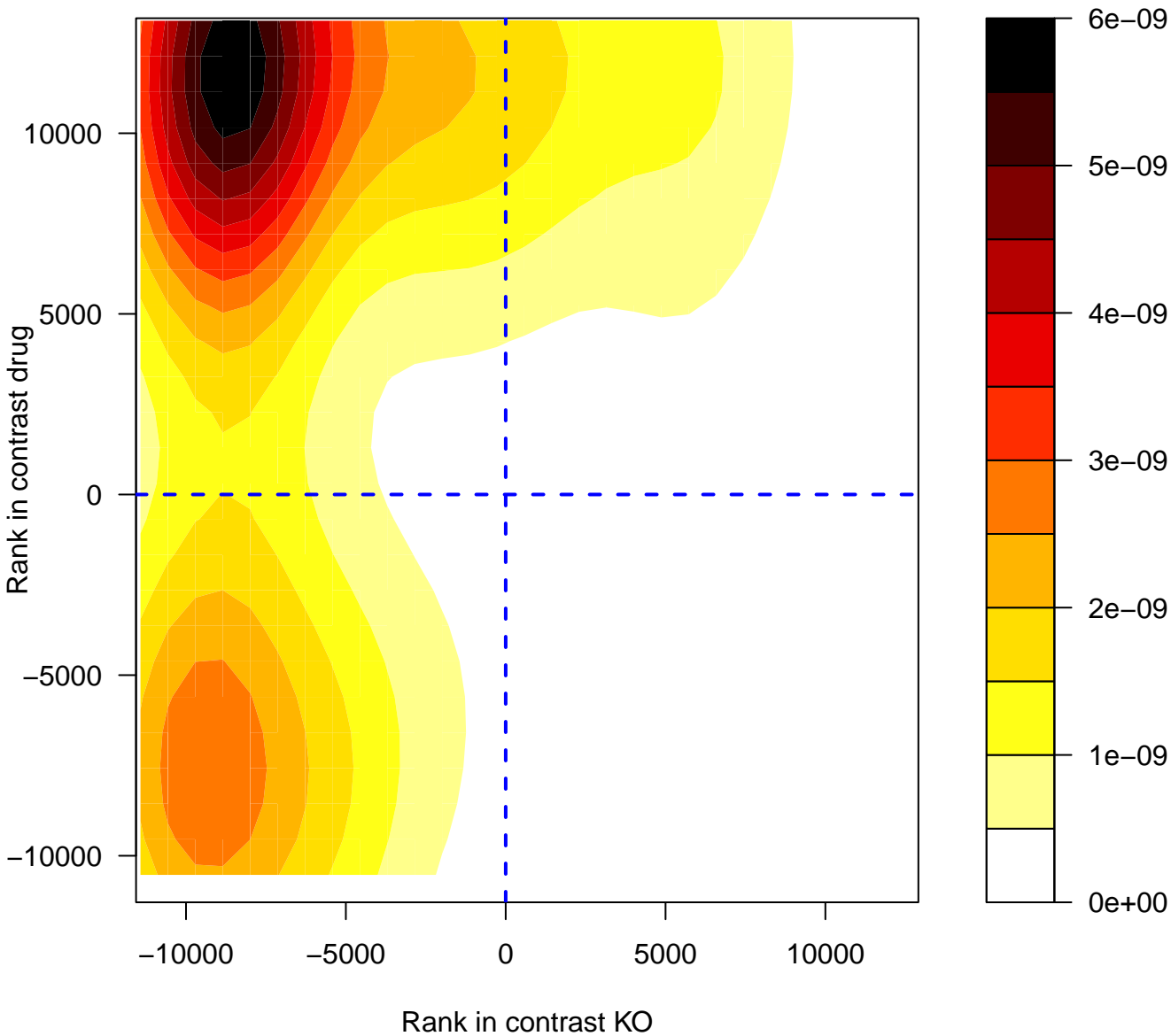
MET activates PTK2 signaling



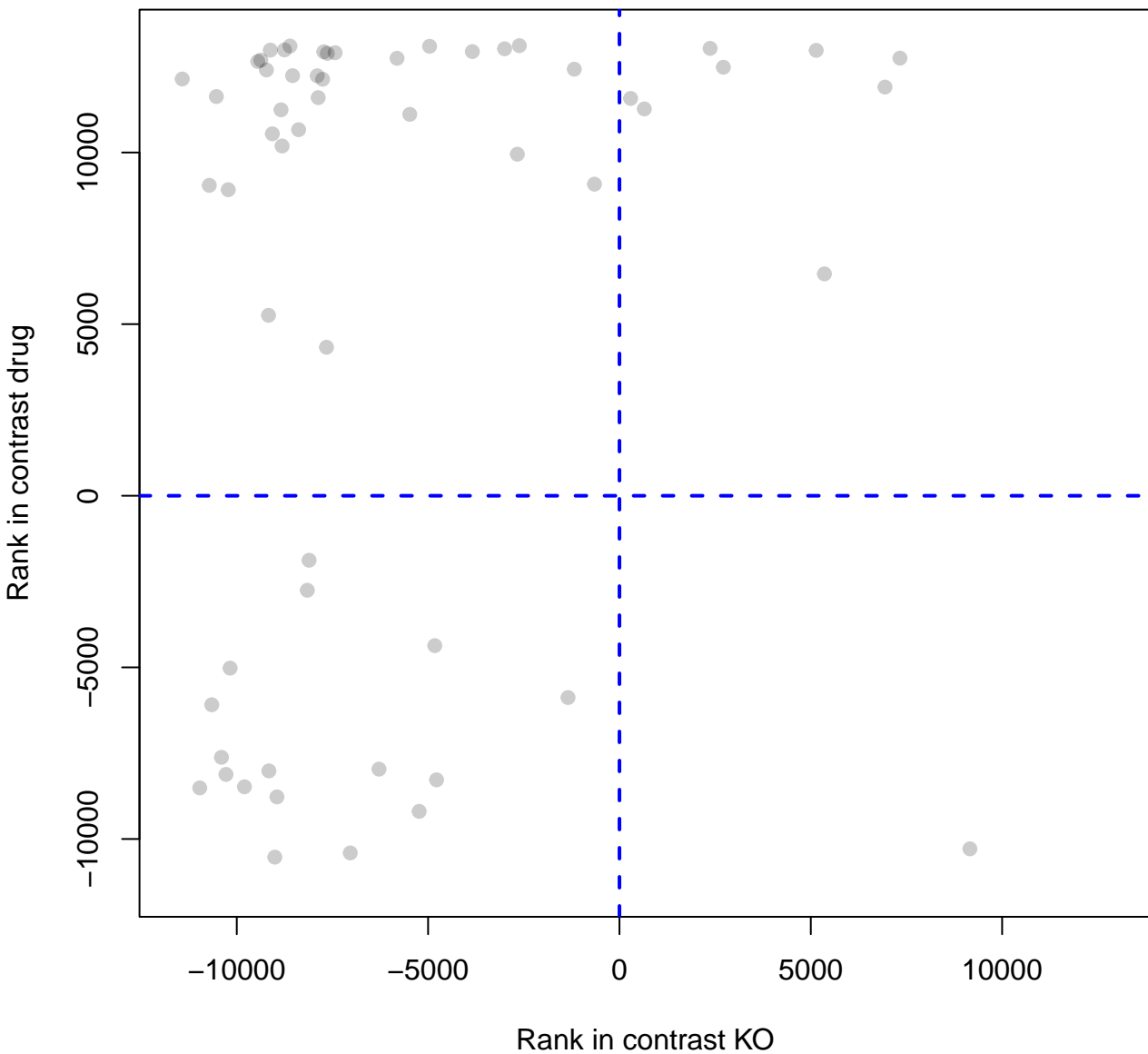
MET activates PTK2 signaling



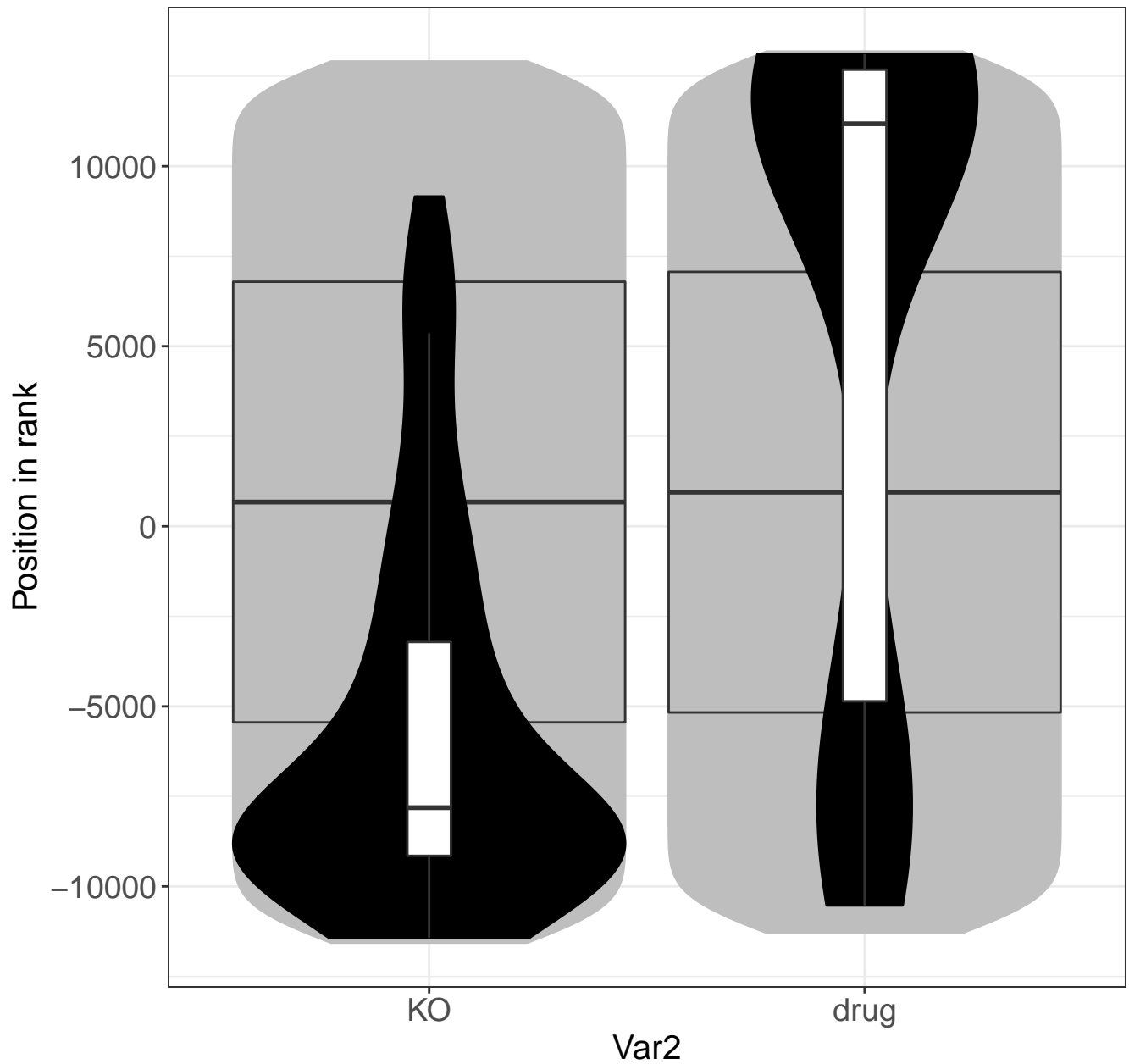
RNA upon binding of the cap-binding complex and eIFs, and



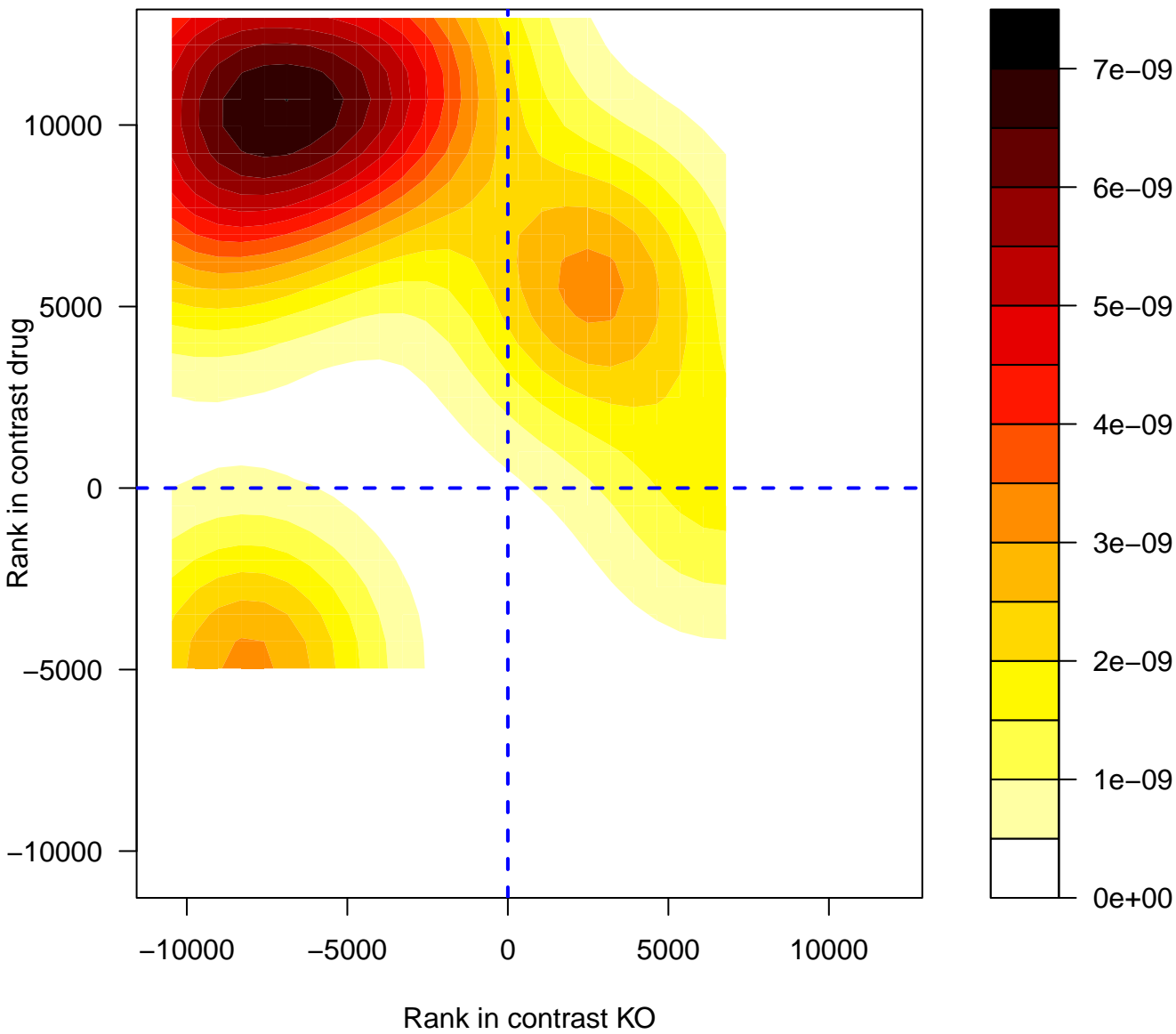
the mRNA upon binding of the cap-binding complex and eIFs, and subsequent



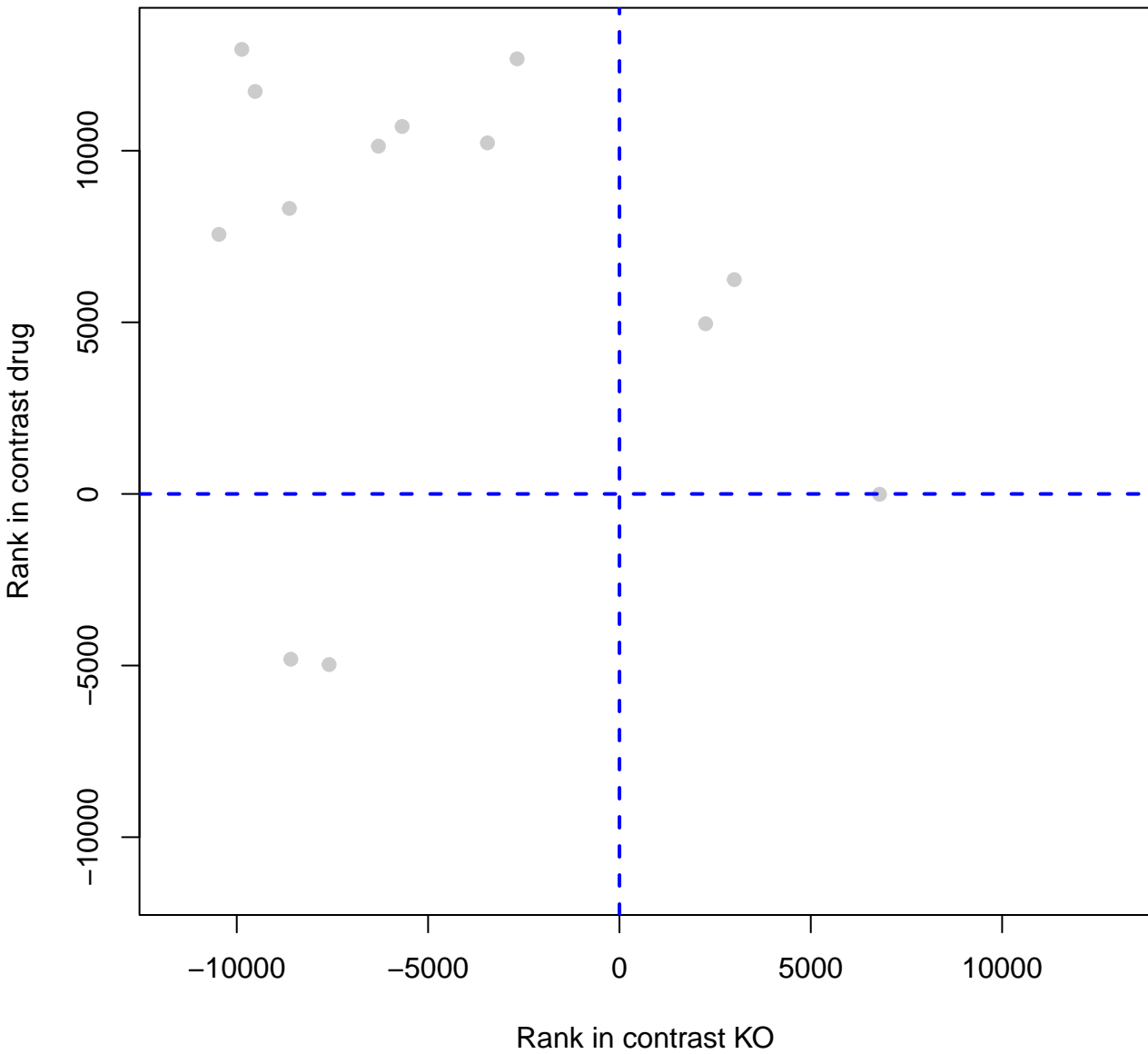
Activation of the mRNA upon binding of the cap-



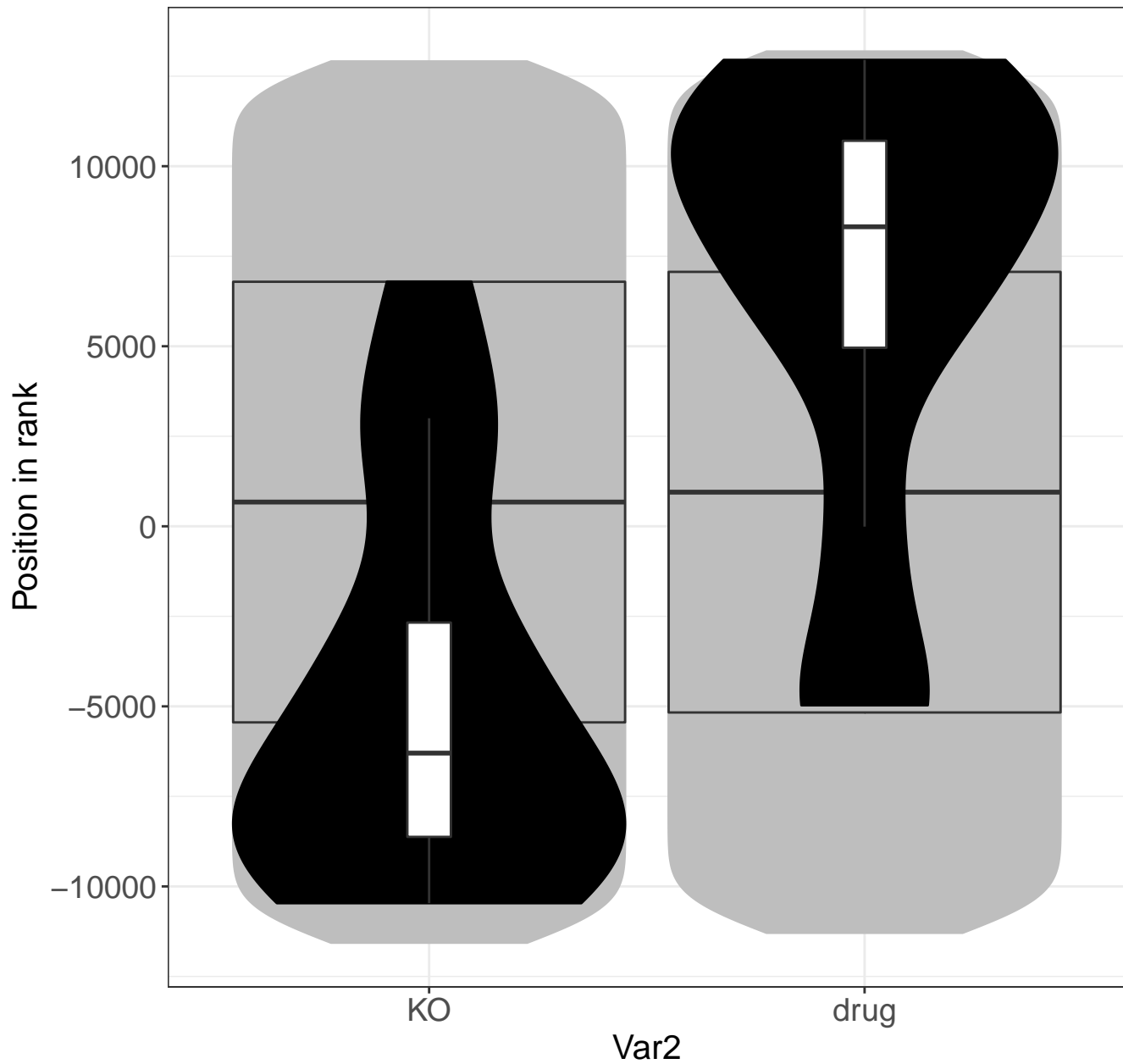
Mitochondrial iron-sulfur cluster biogenesis



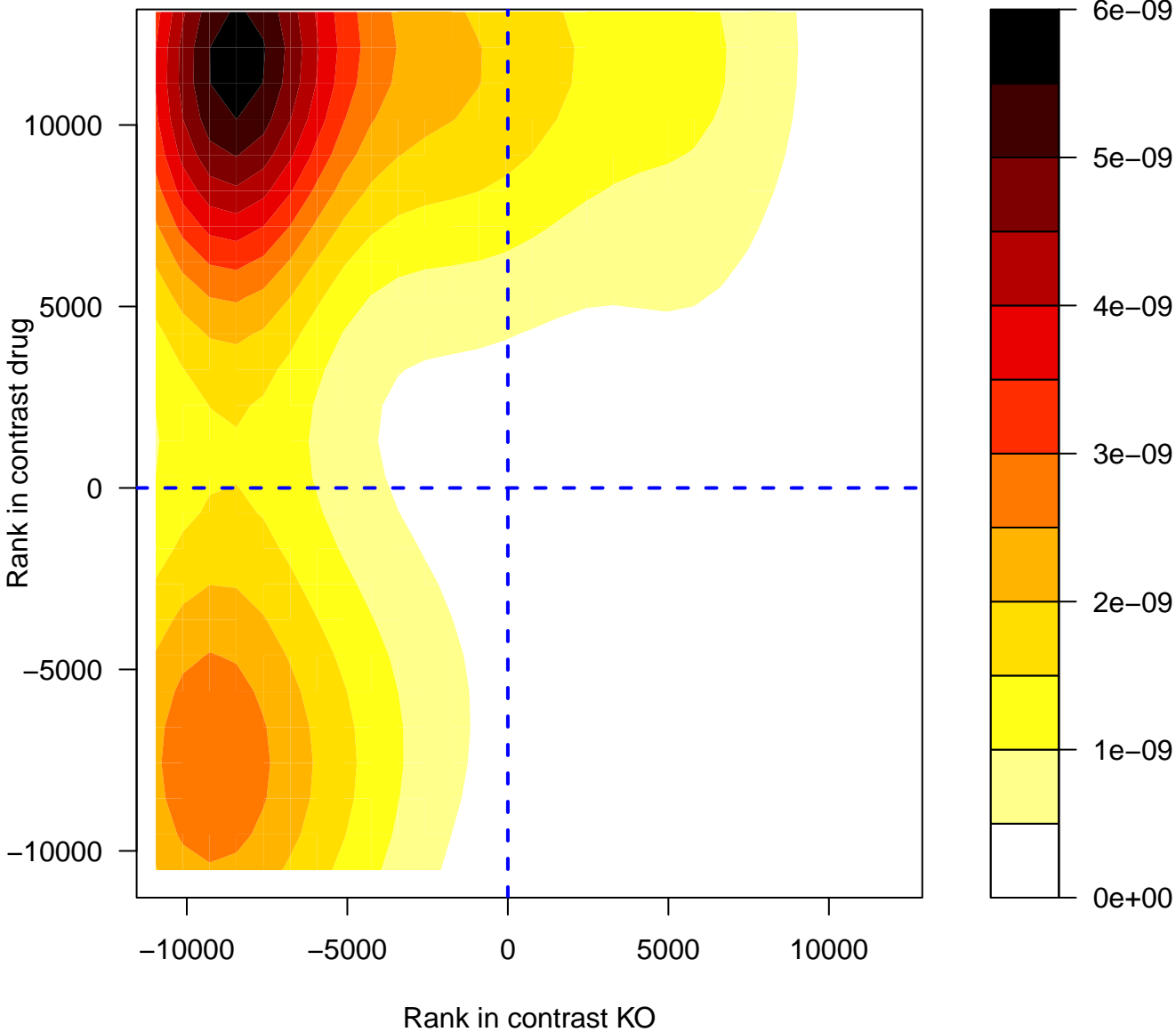
Mitochondrial iron-sulfur cluster biogenesis



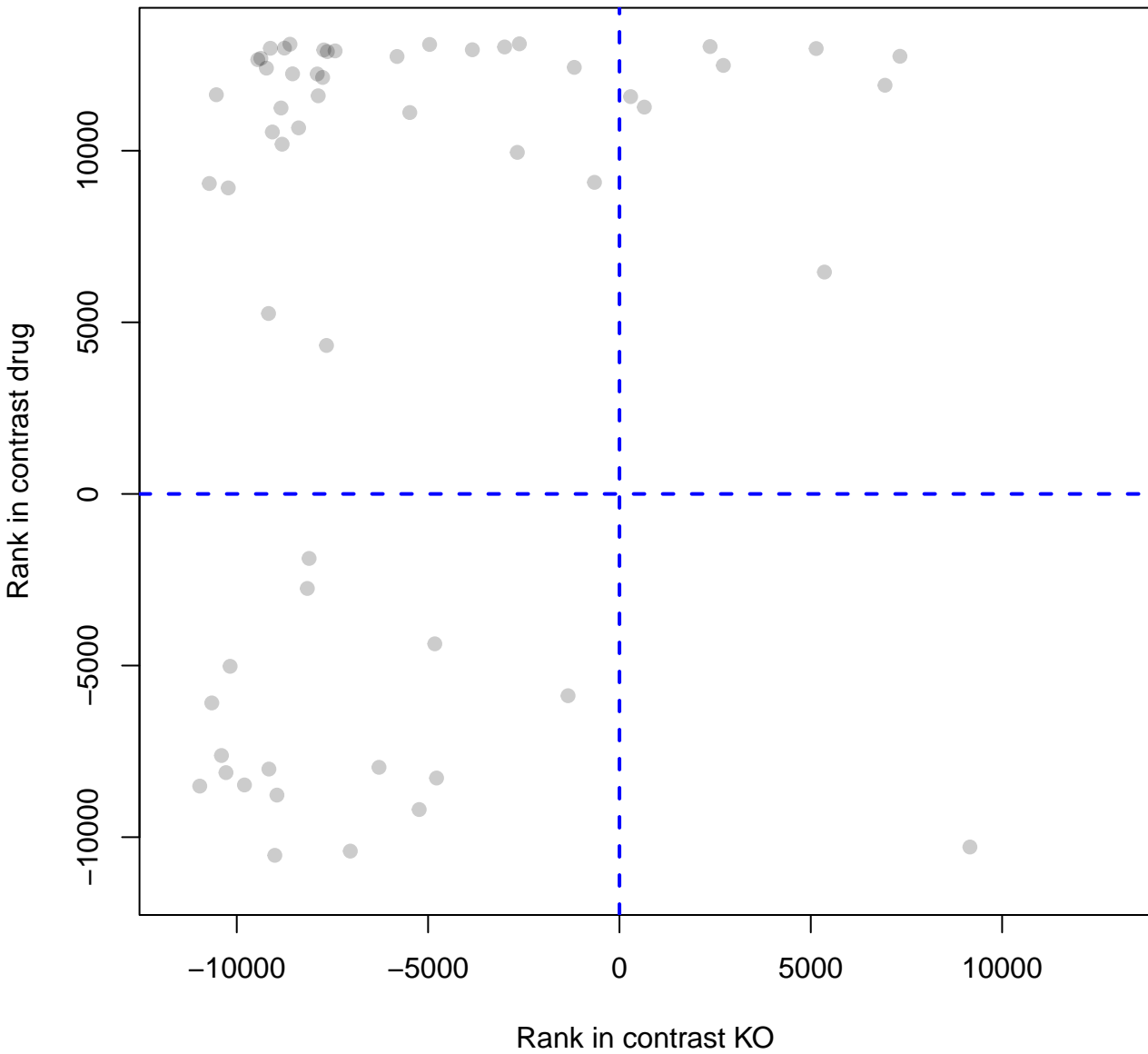
Mitochondrial iron-sulfur cluster biogenesis



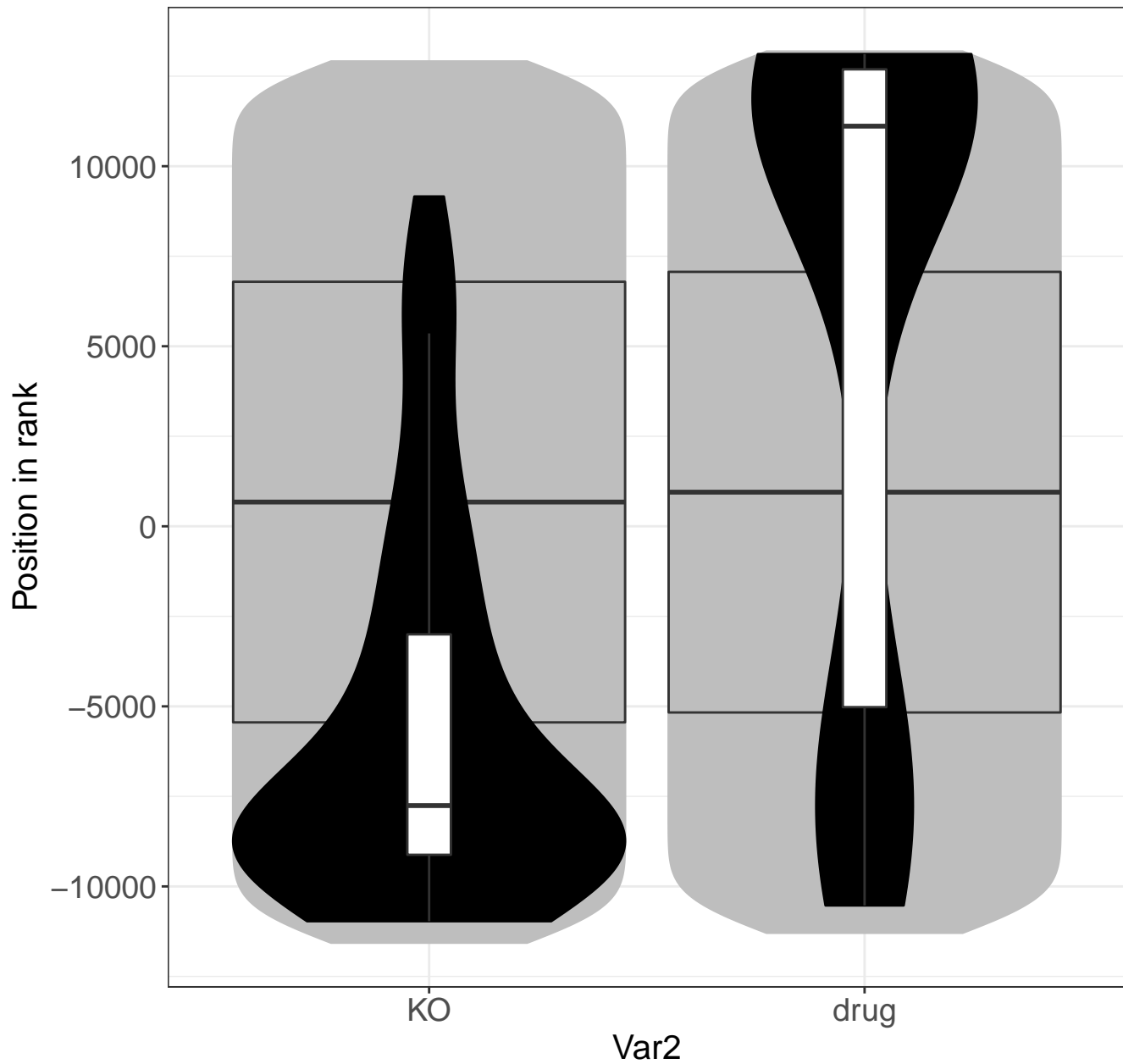
Translation initiation complex formation



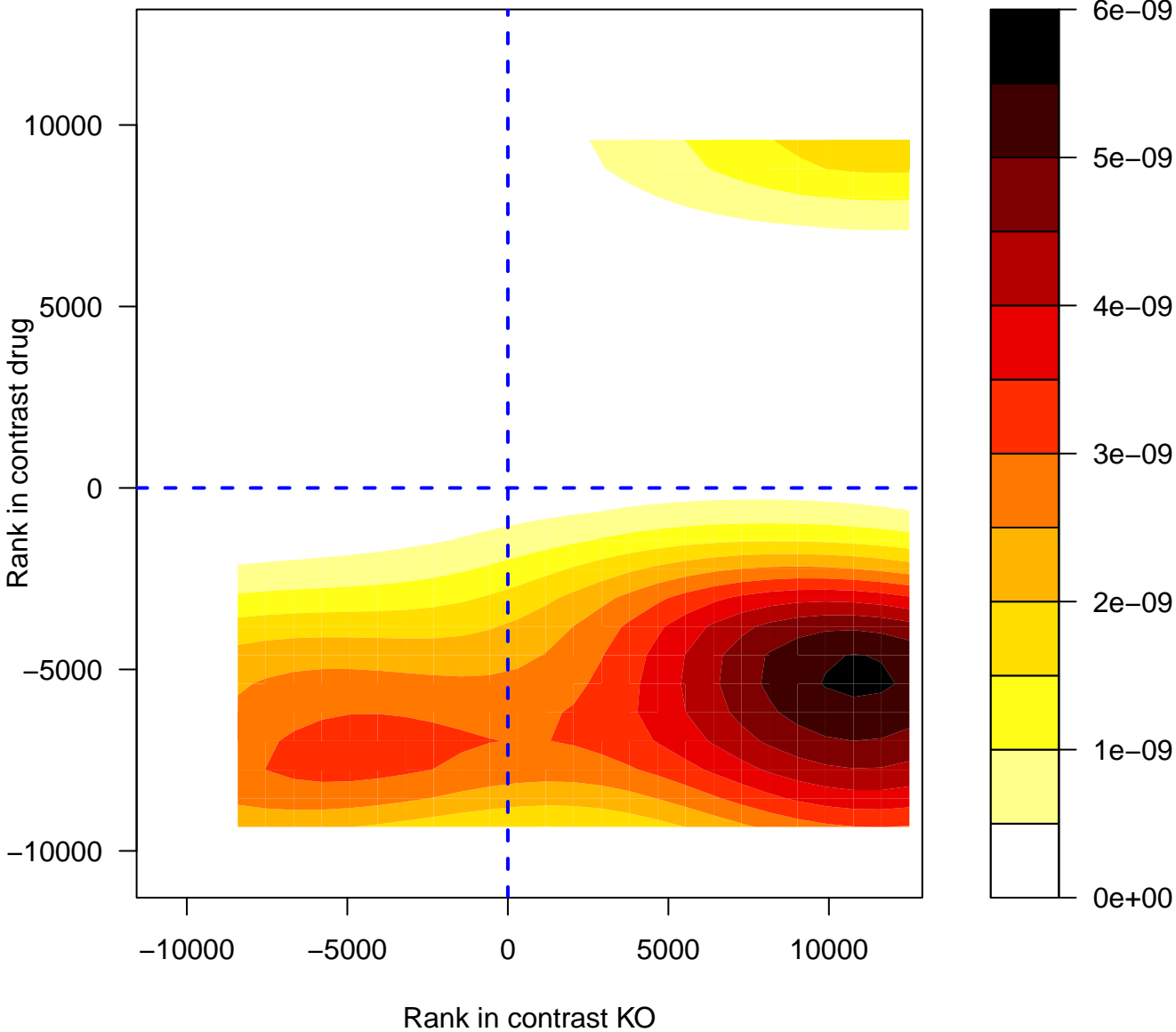
Translation initiation complex formation



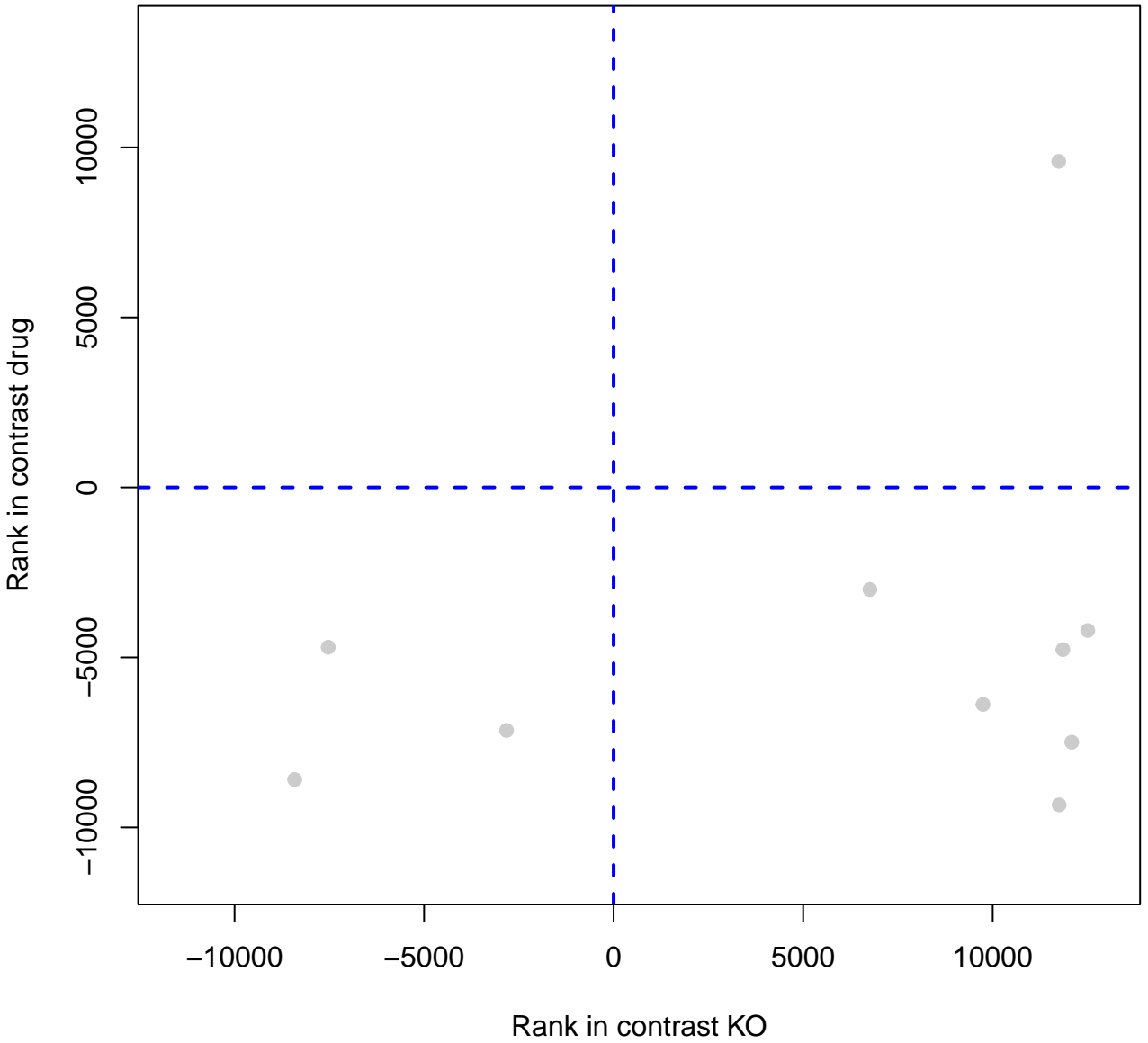
Translation initiation complex formation



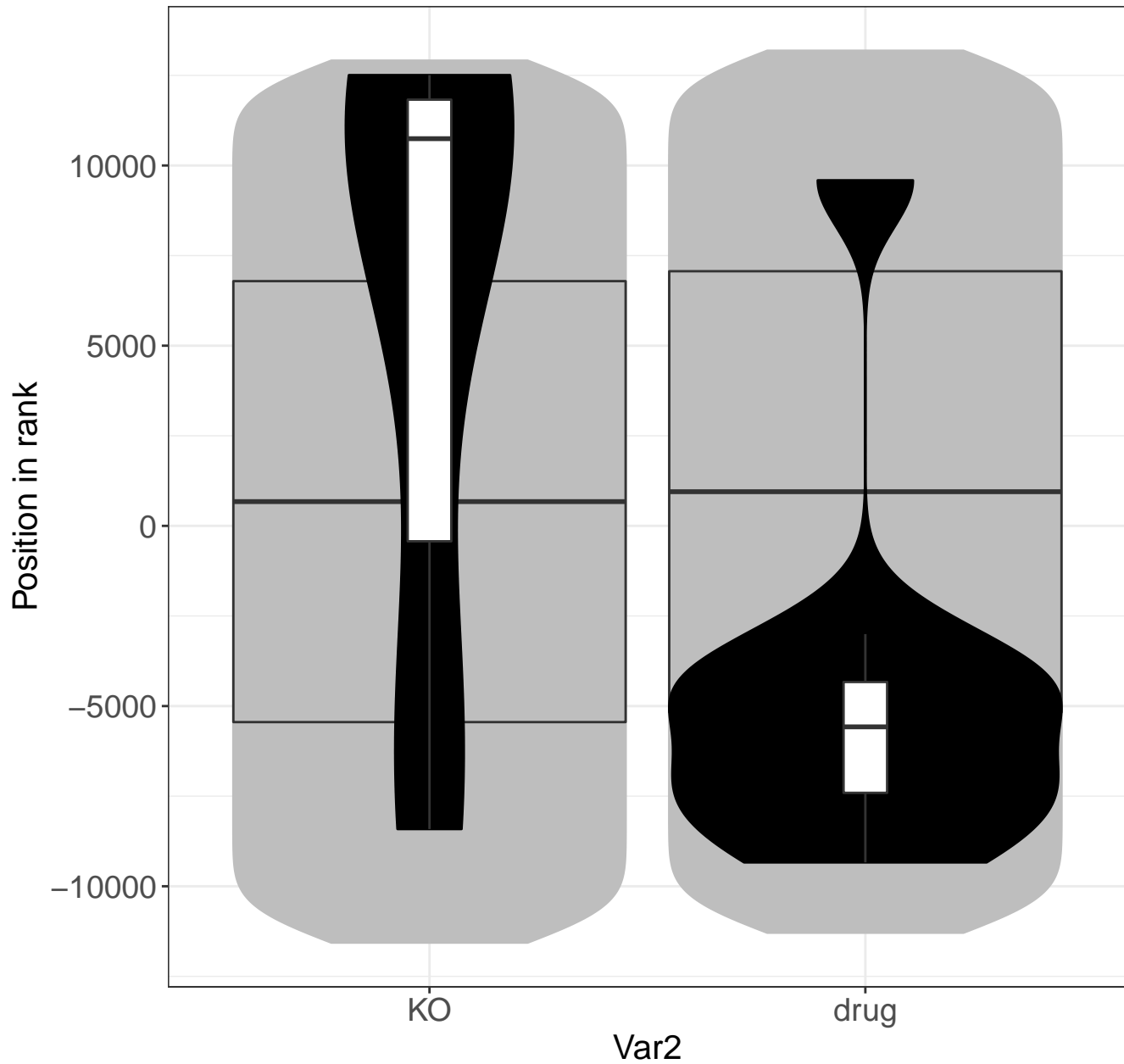
The activation of arylsulfatases



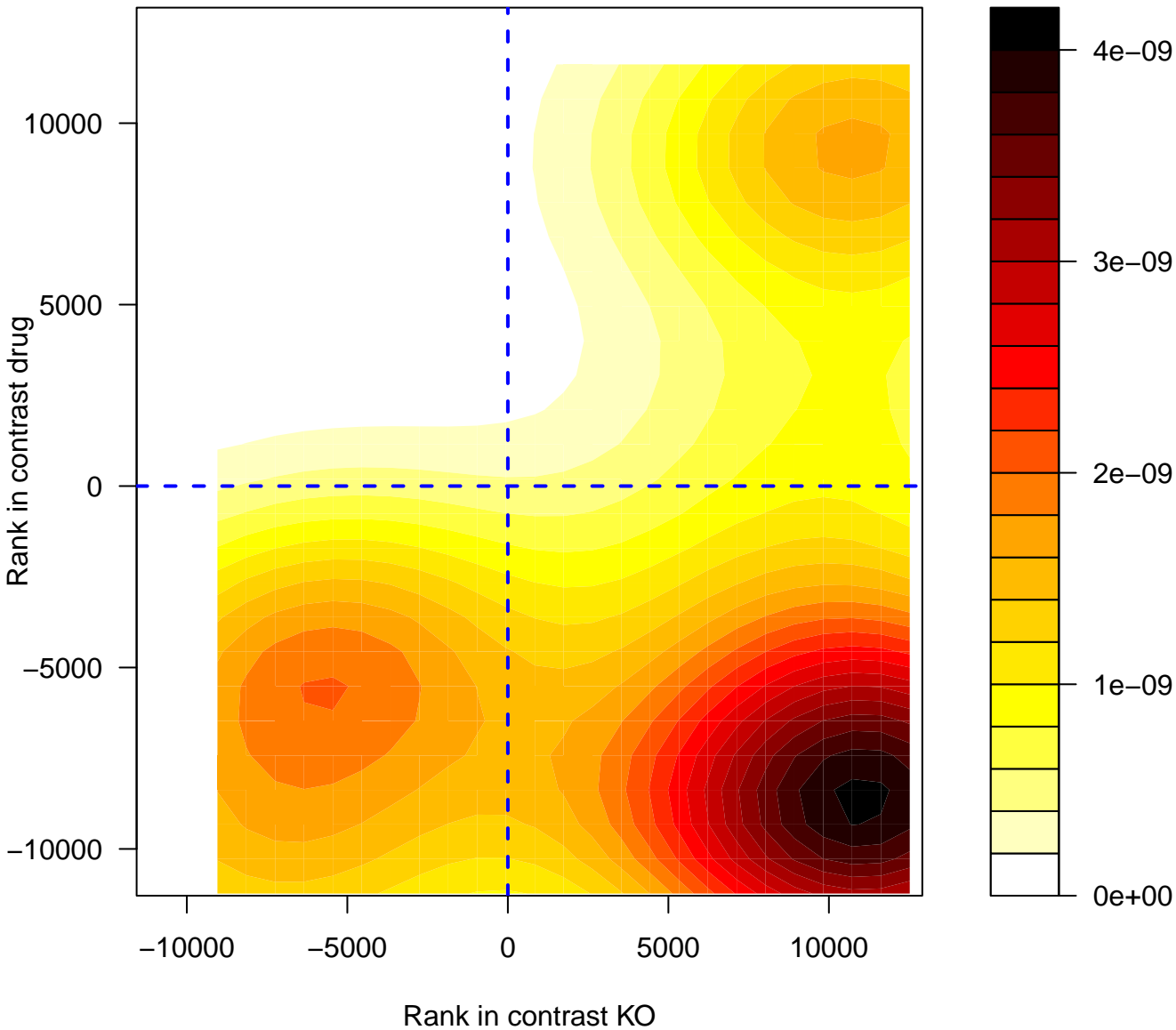
The activation of arylsulfatases



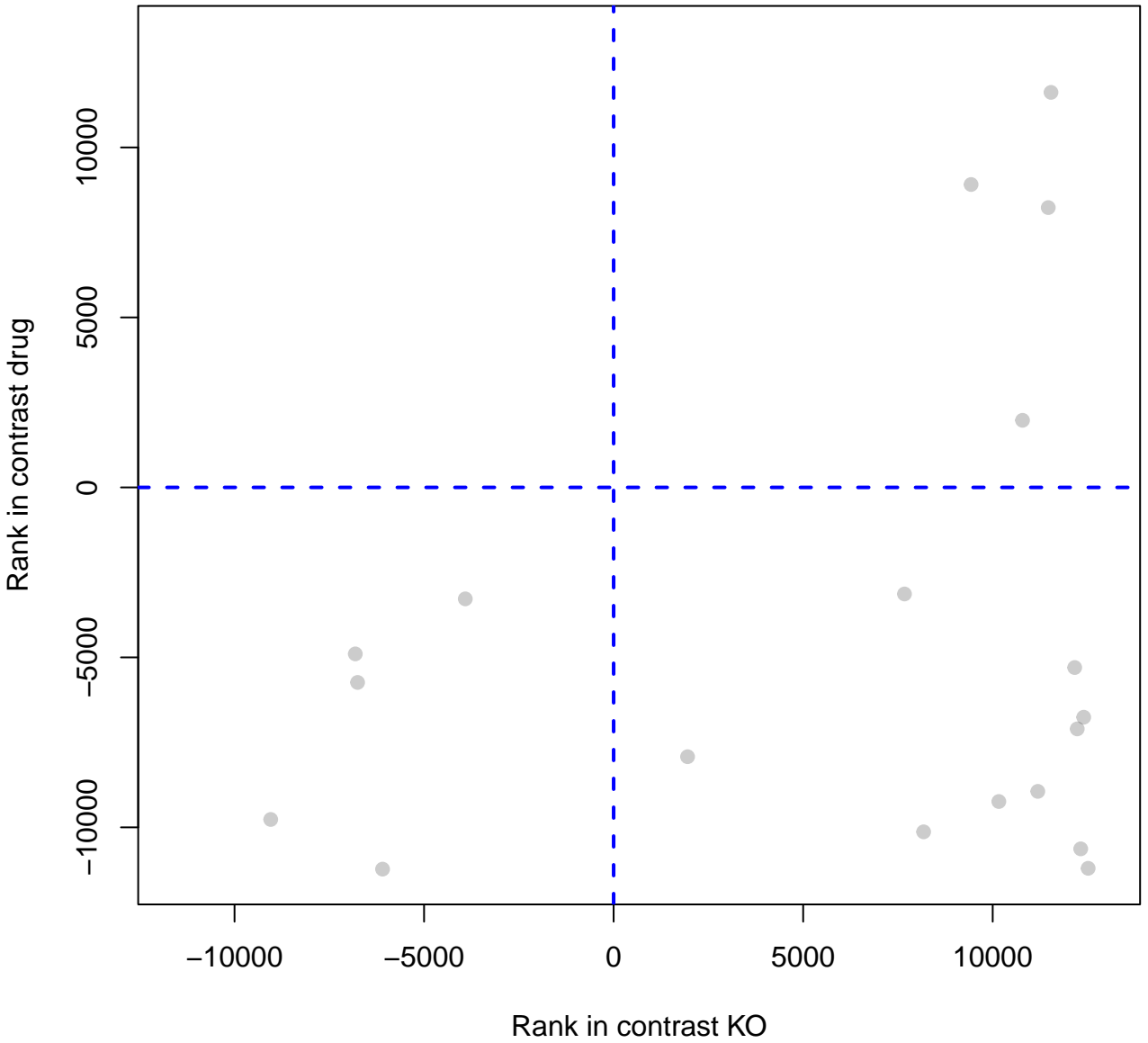
The activation of arylsulfatases



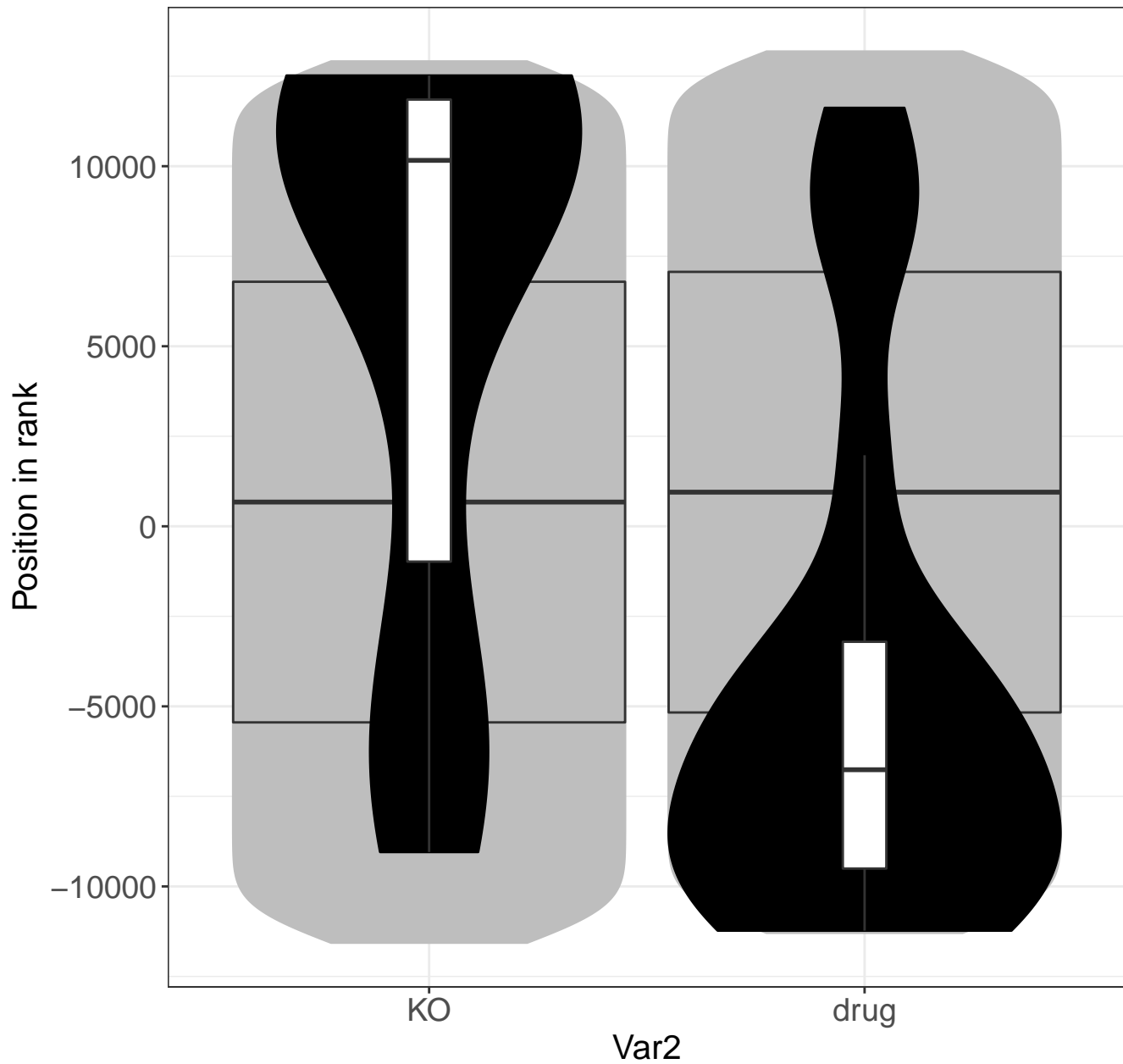
HS-GAG degradation



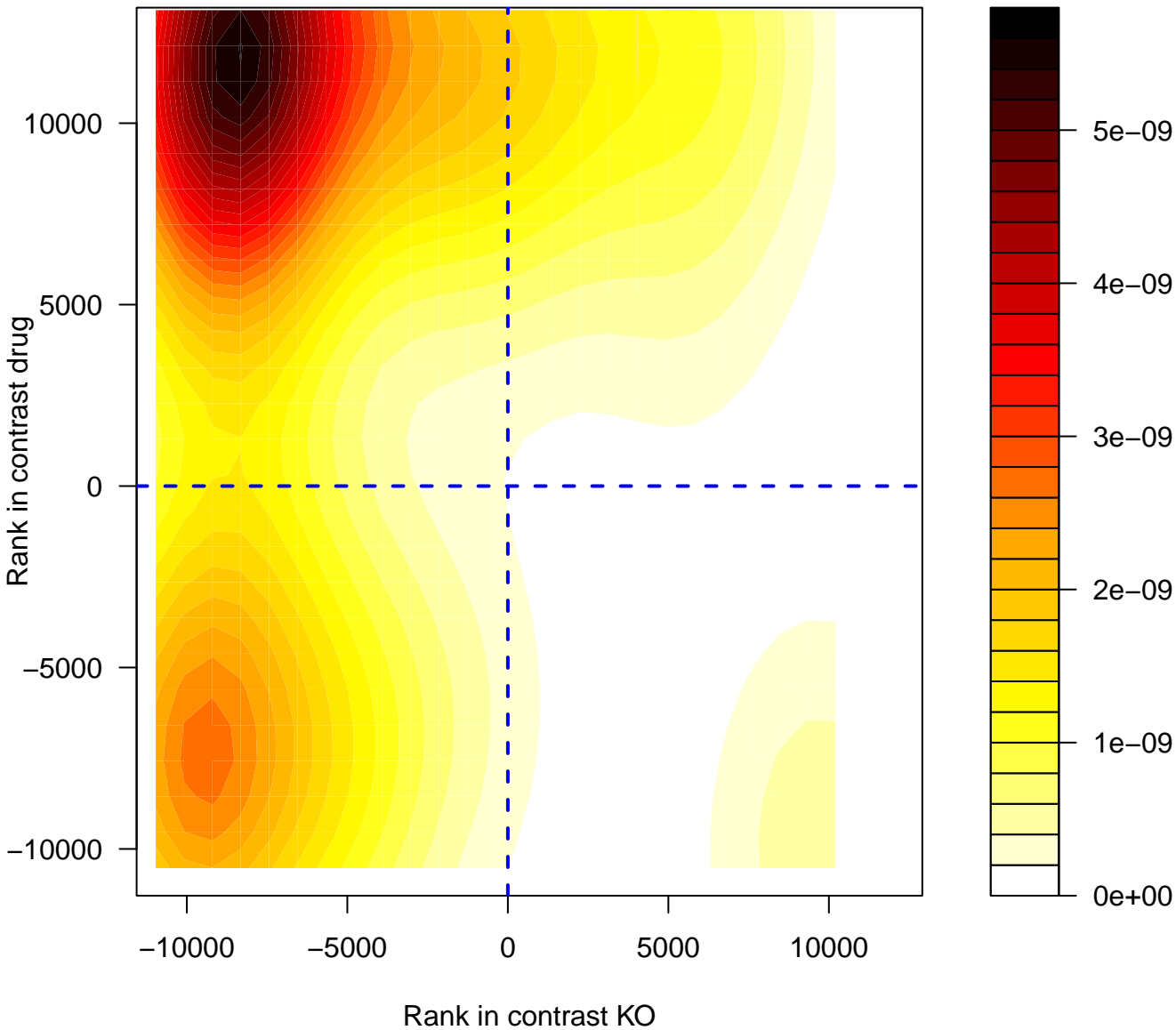
HS-GAG degradation



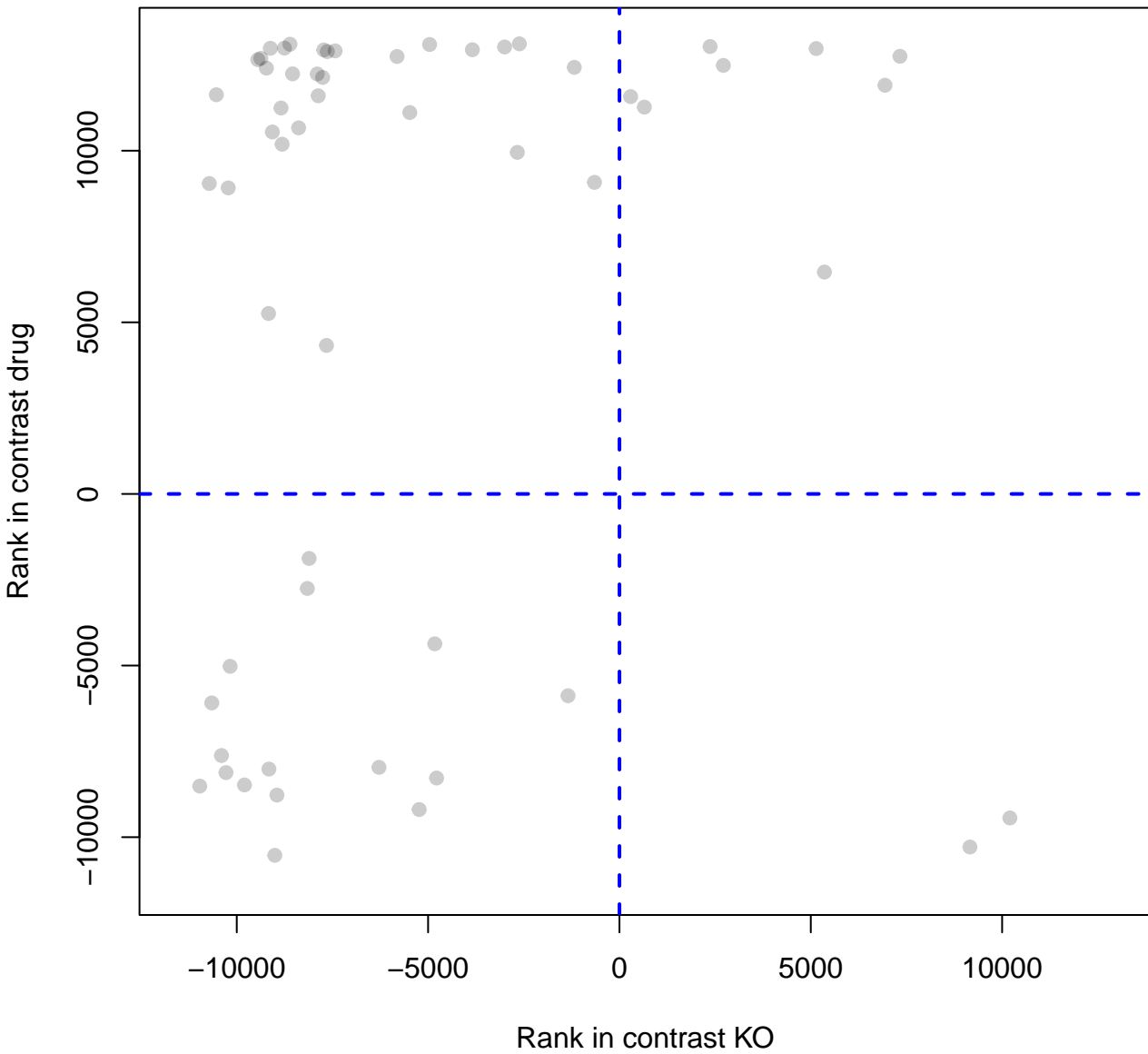
HS-GAG degradation



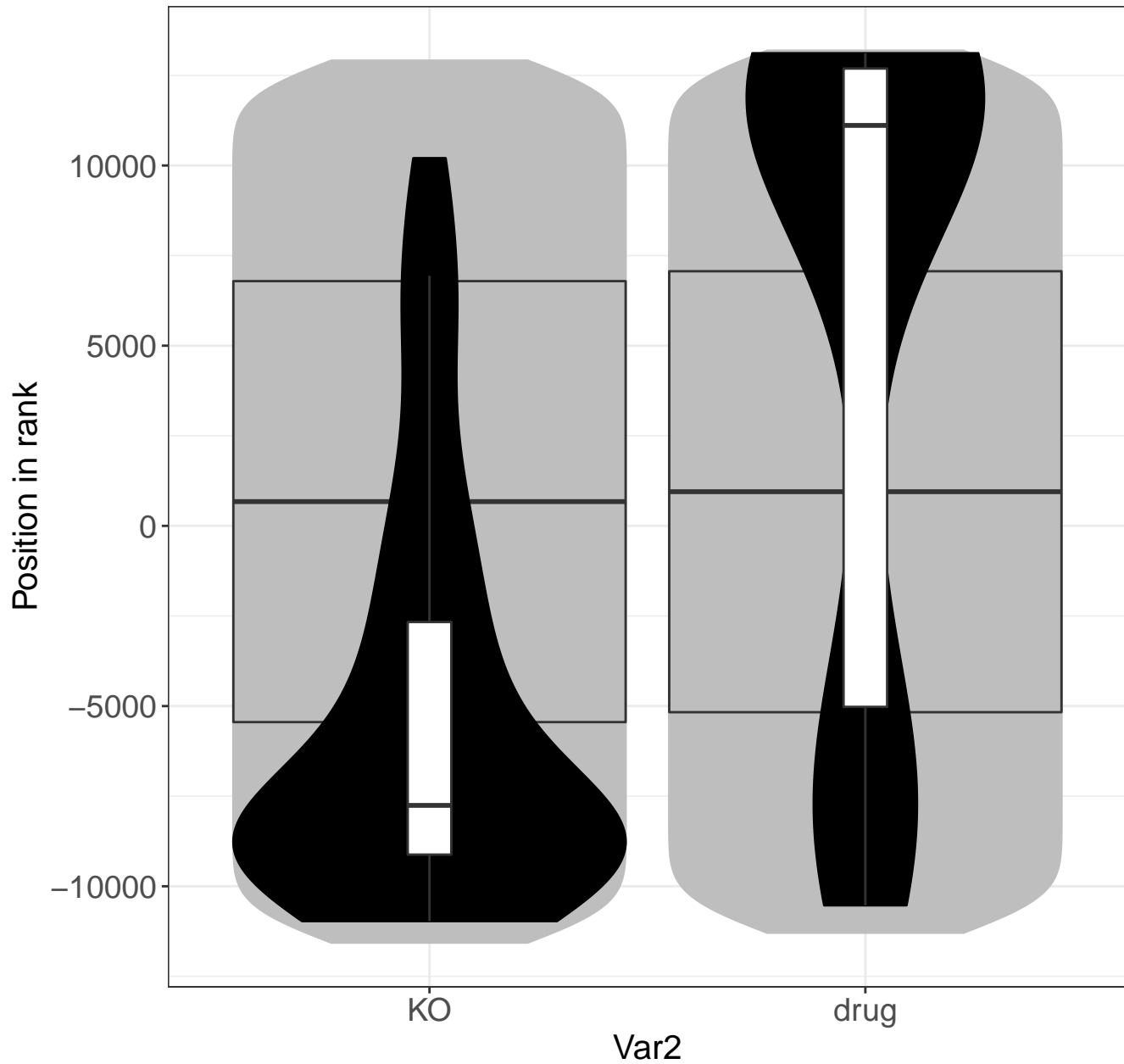
Ribosomal scanning and start codon recognition



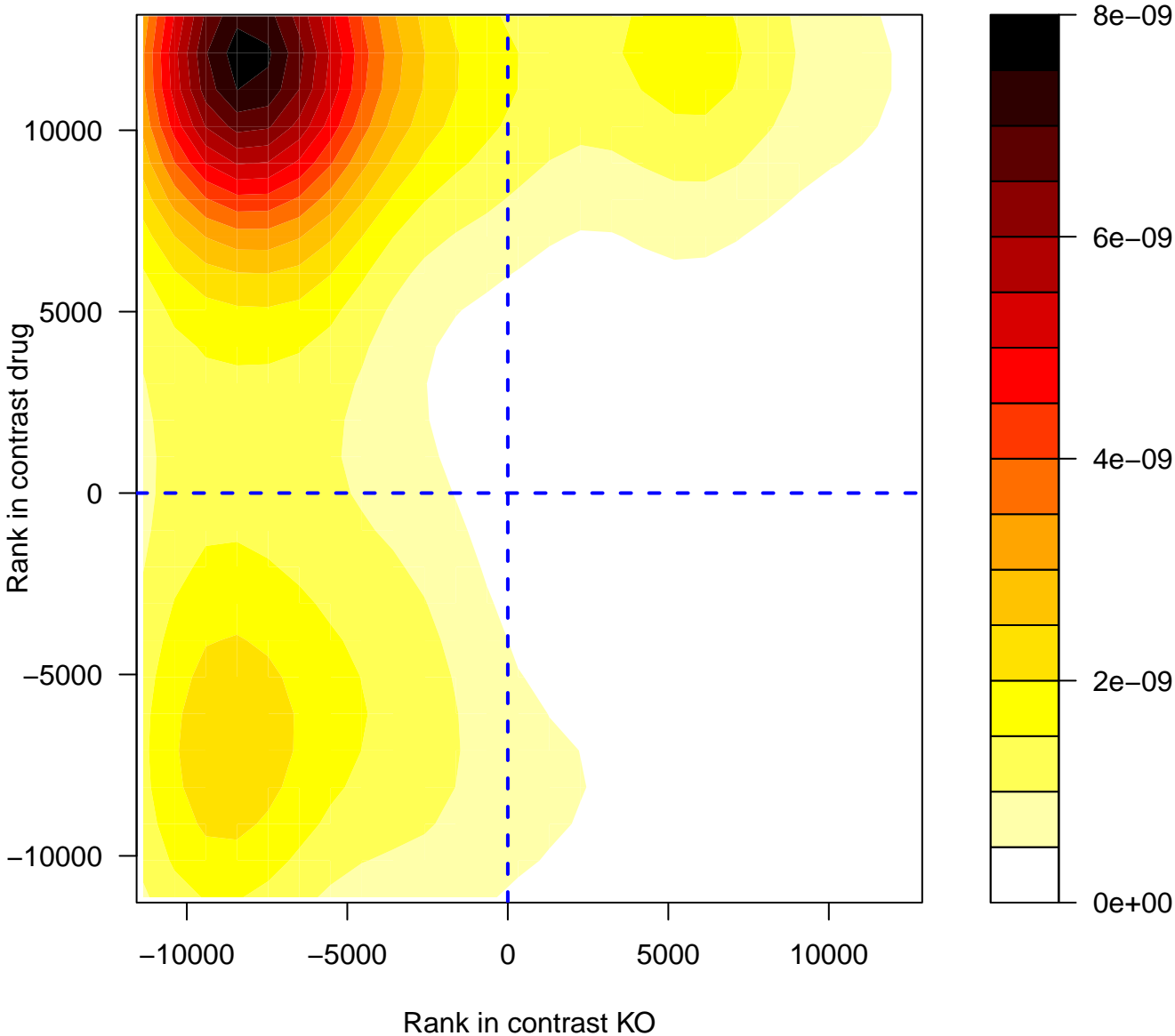
Ribosomal scanning and start codon recognition



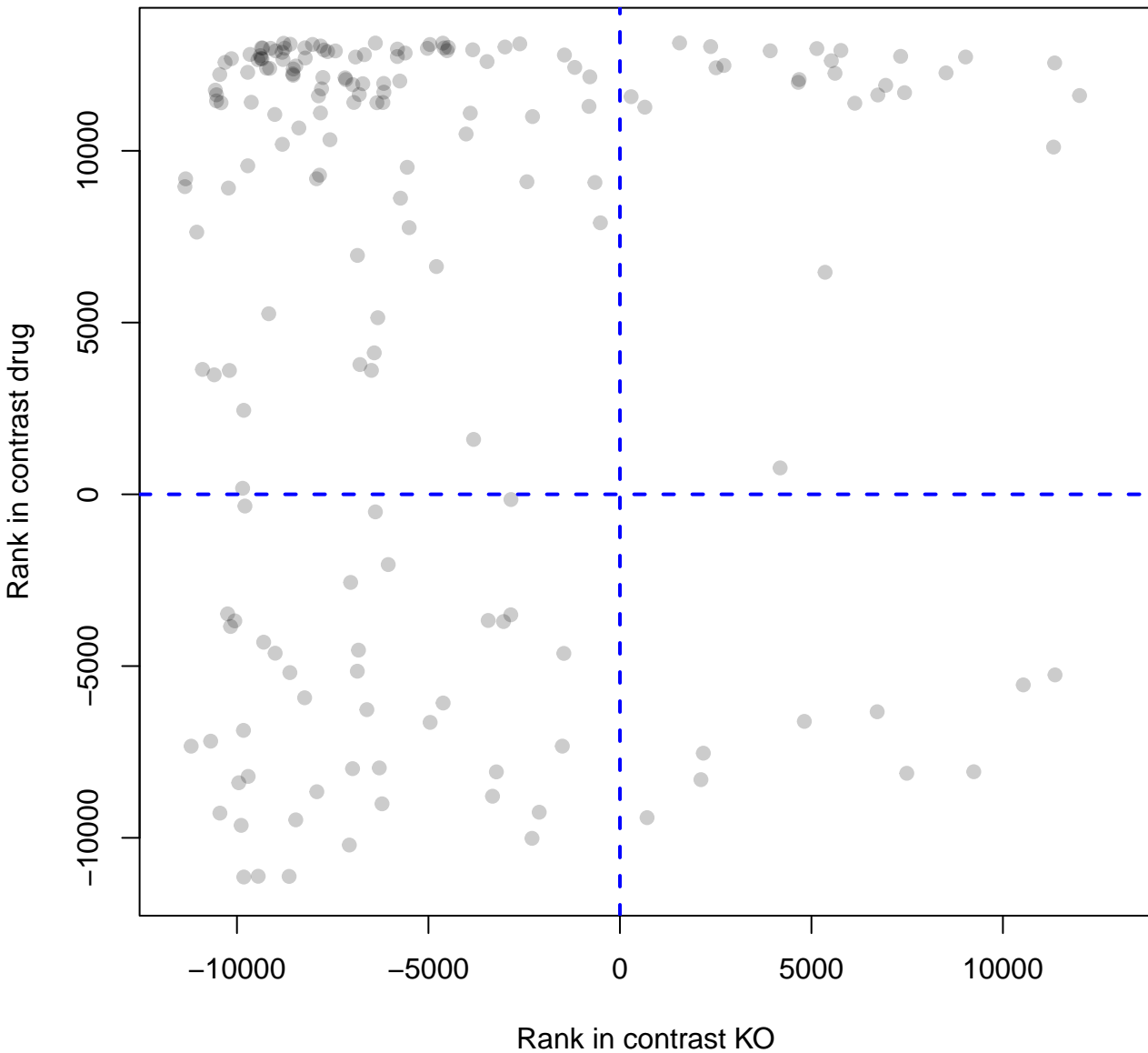
Ribosomal scanning and start codon recognition



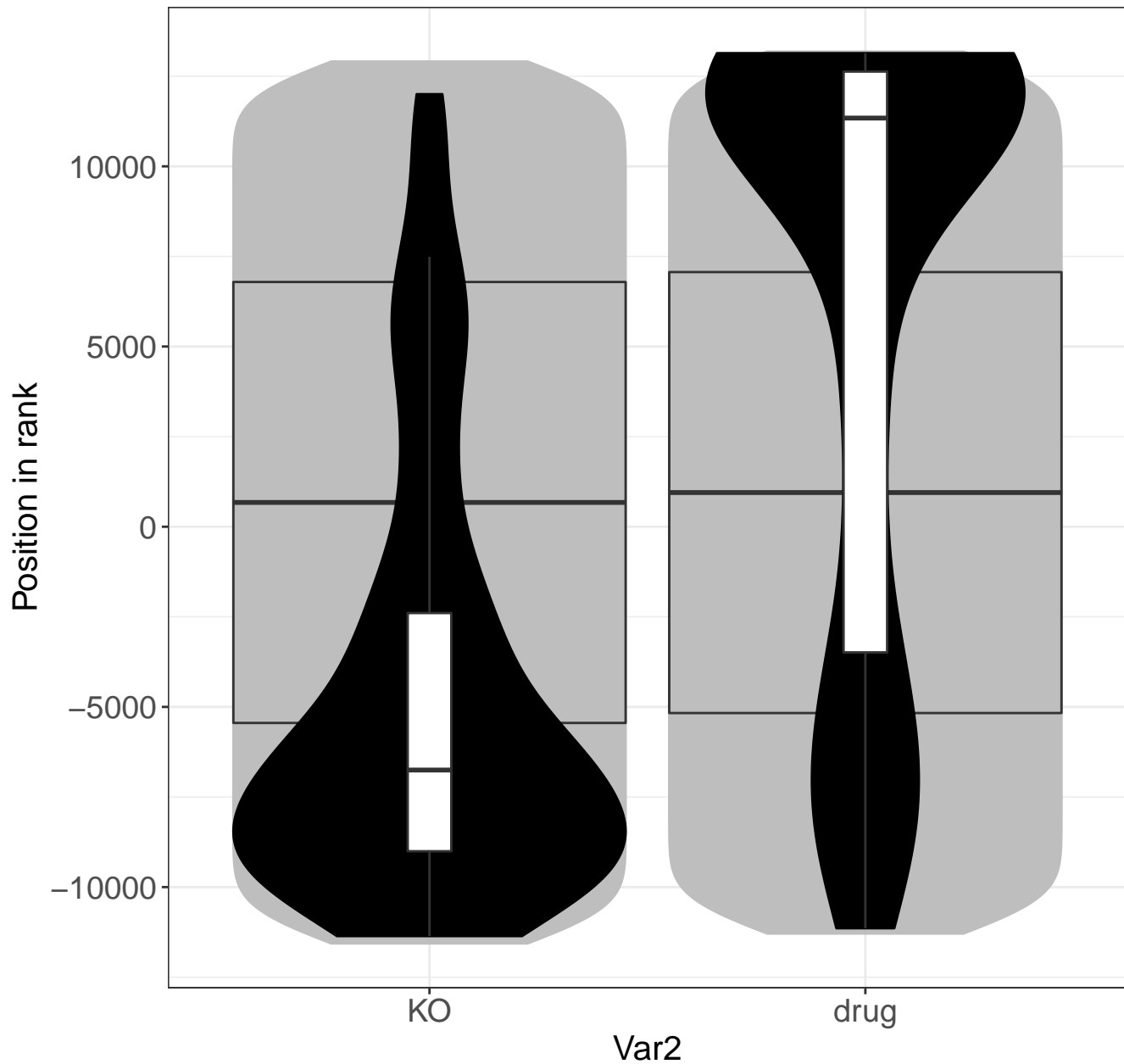
Major pathway of rRNA processing in the nucleolus and cytoplasm



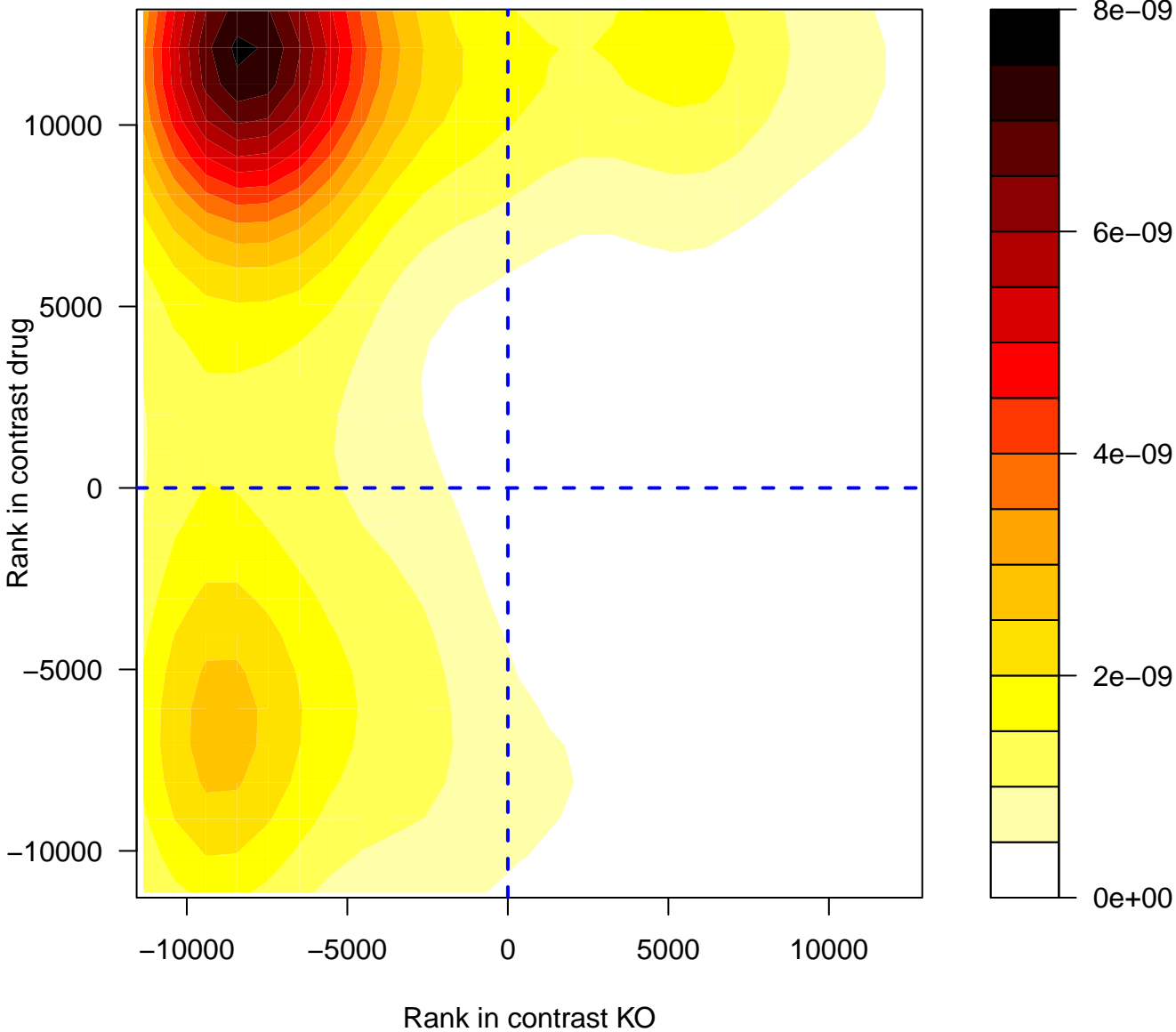
Major pathway of rRNA processing in the nucleolus and cytosol



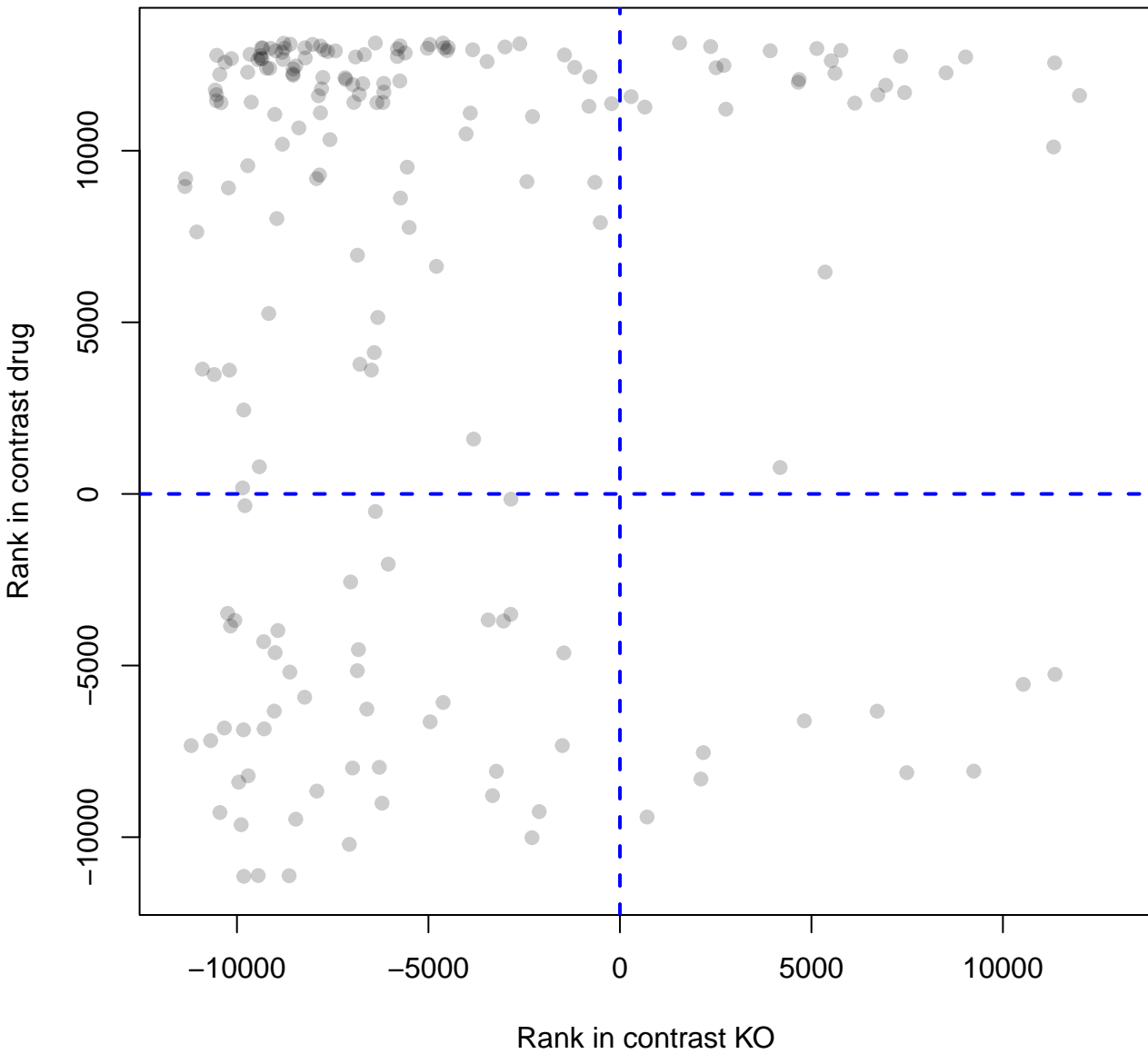
Major pathway of rRNA processing in the nucleol



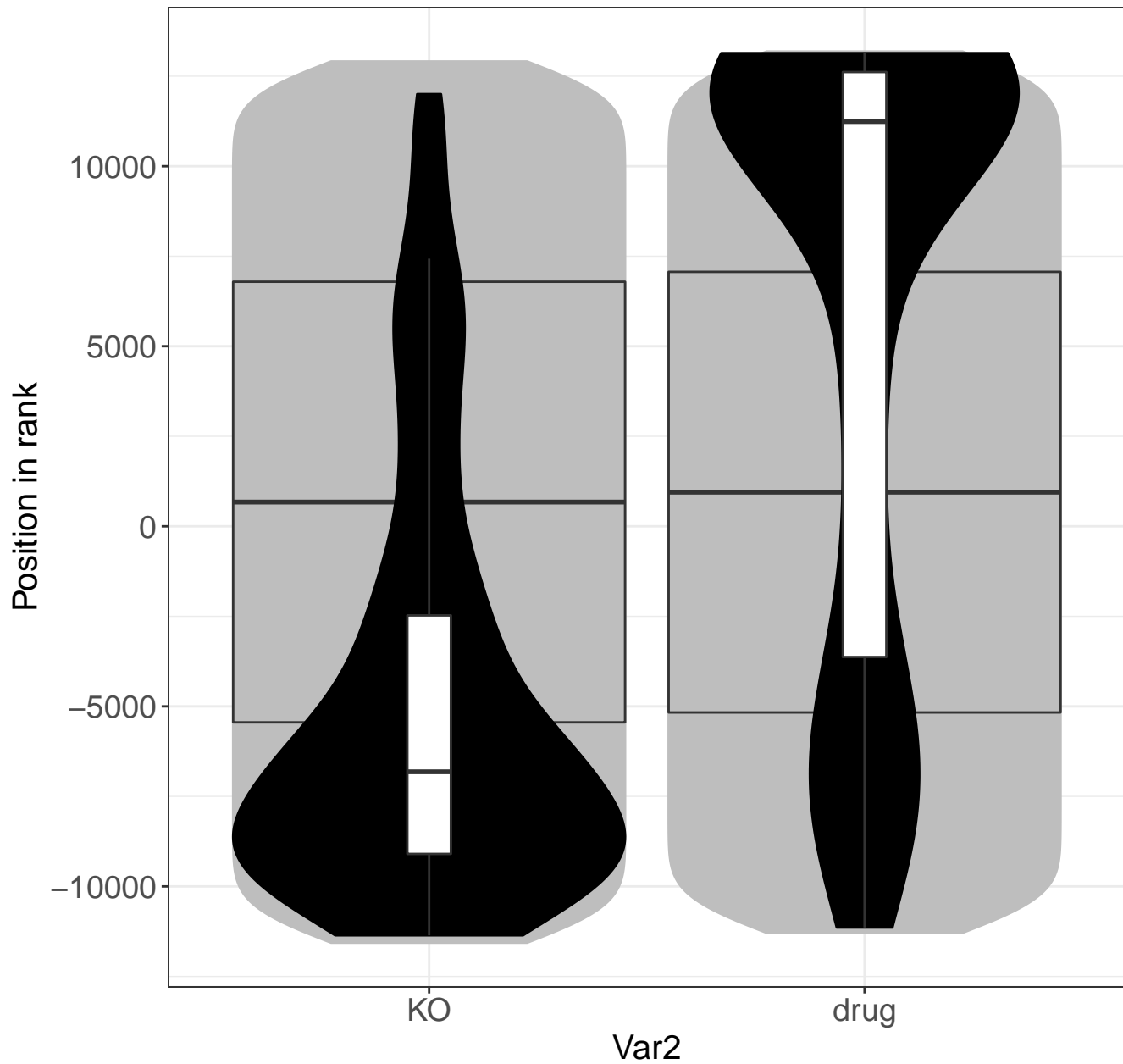
rRNA processing in the nucleus and cytosol



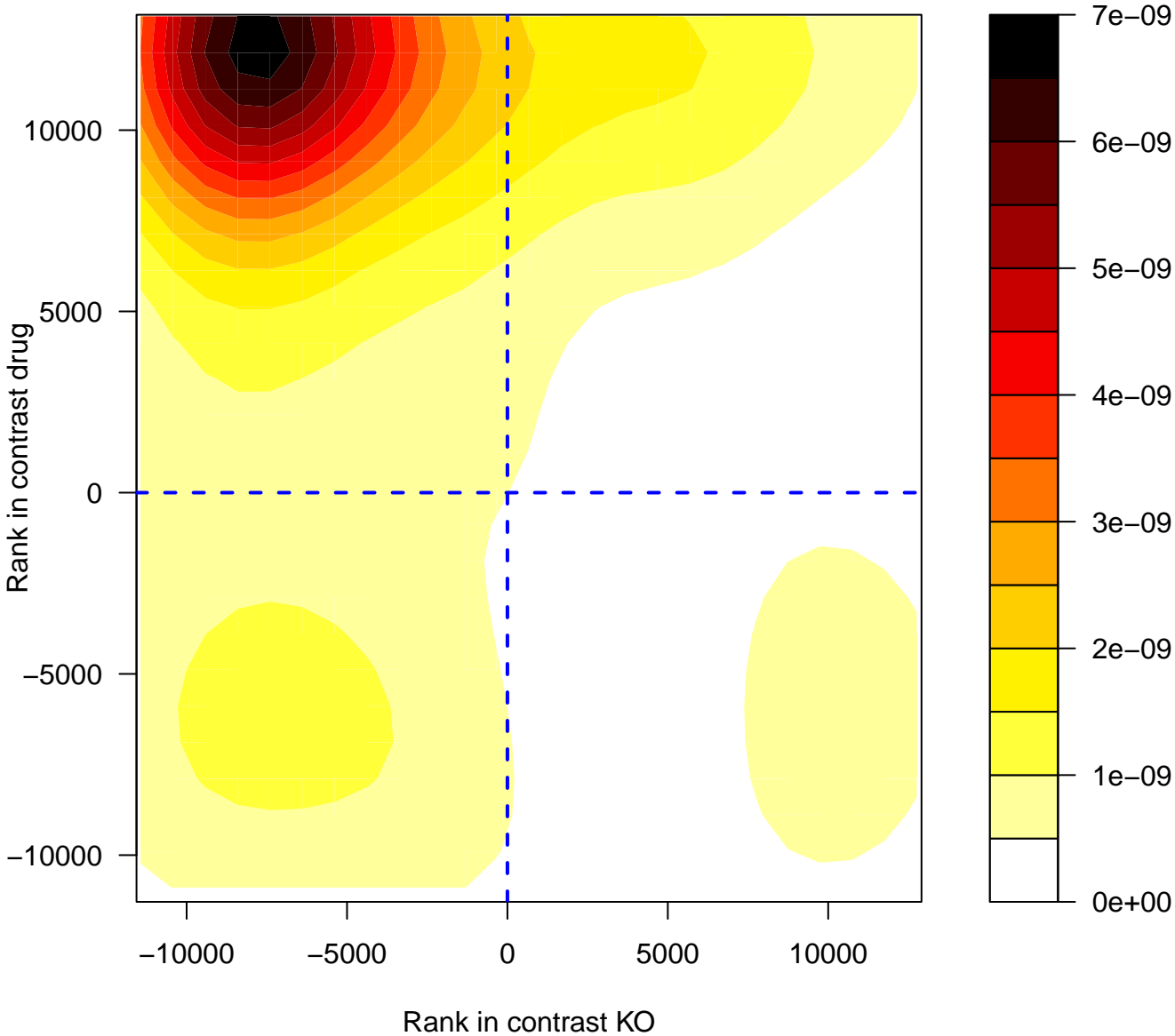
rRNA processing in the nucleus and cytosol



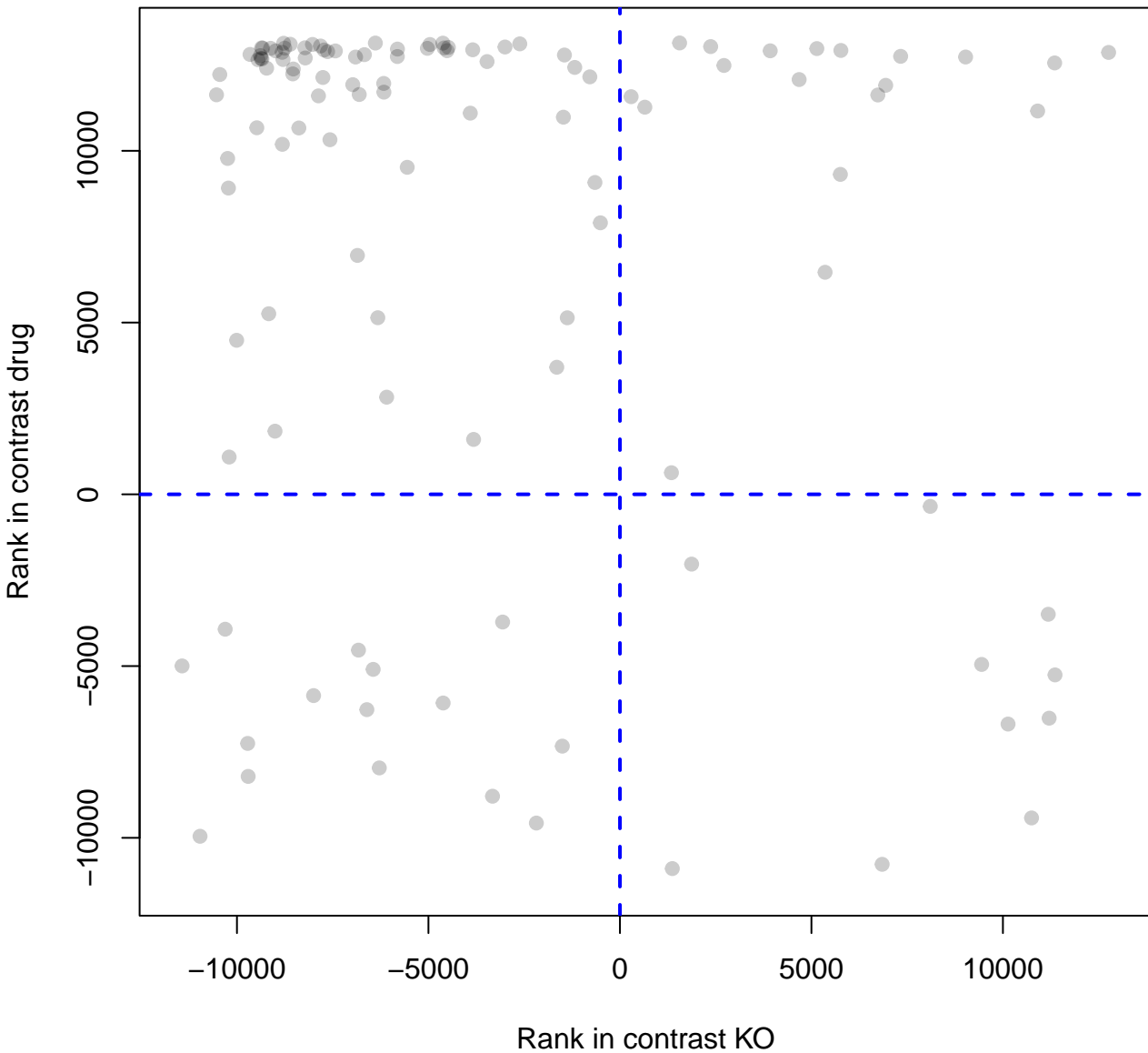
rRNA processing in the nucleus and cytosol



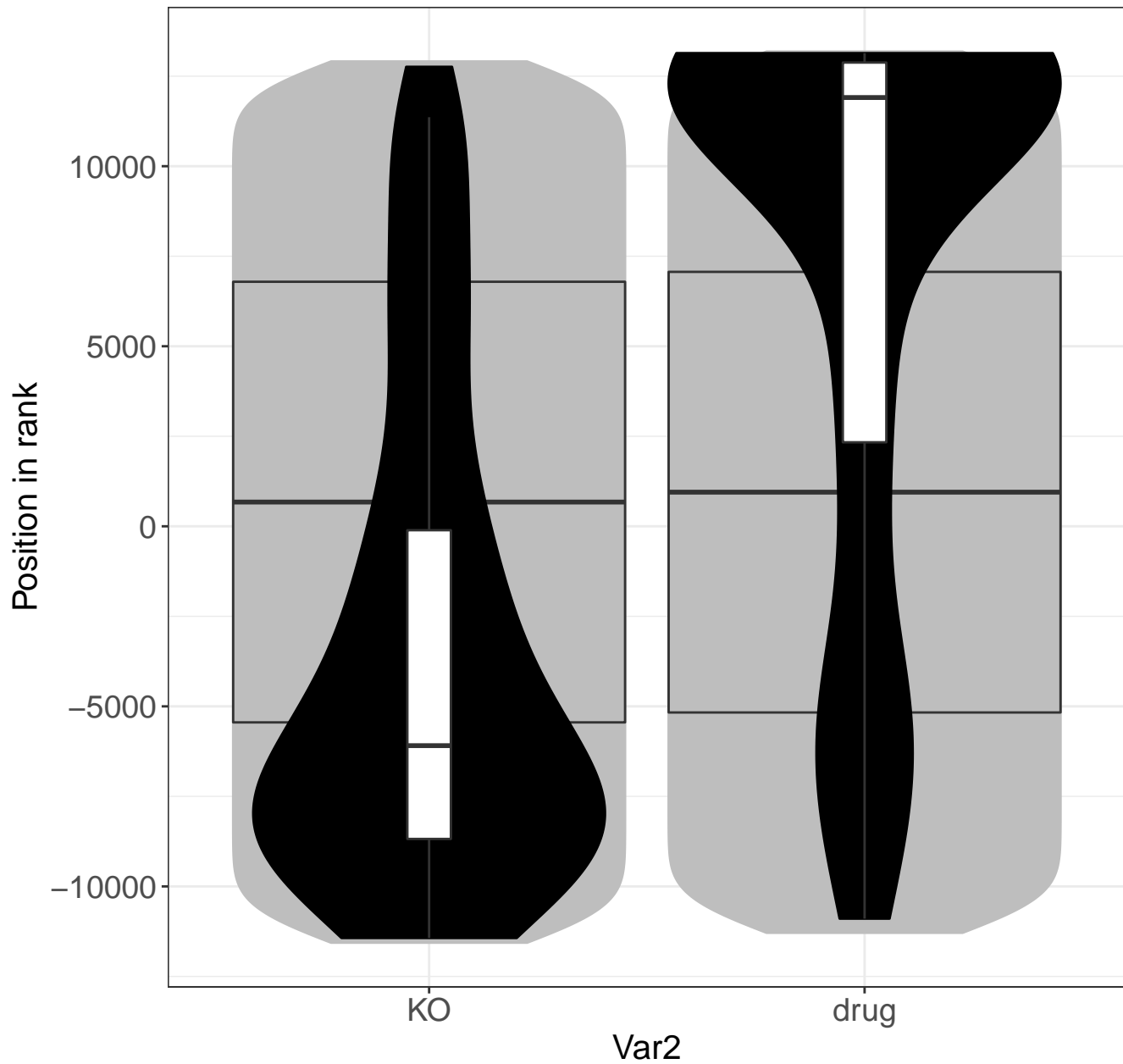
Selenoamino acid metabolism



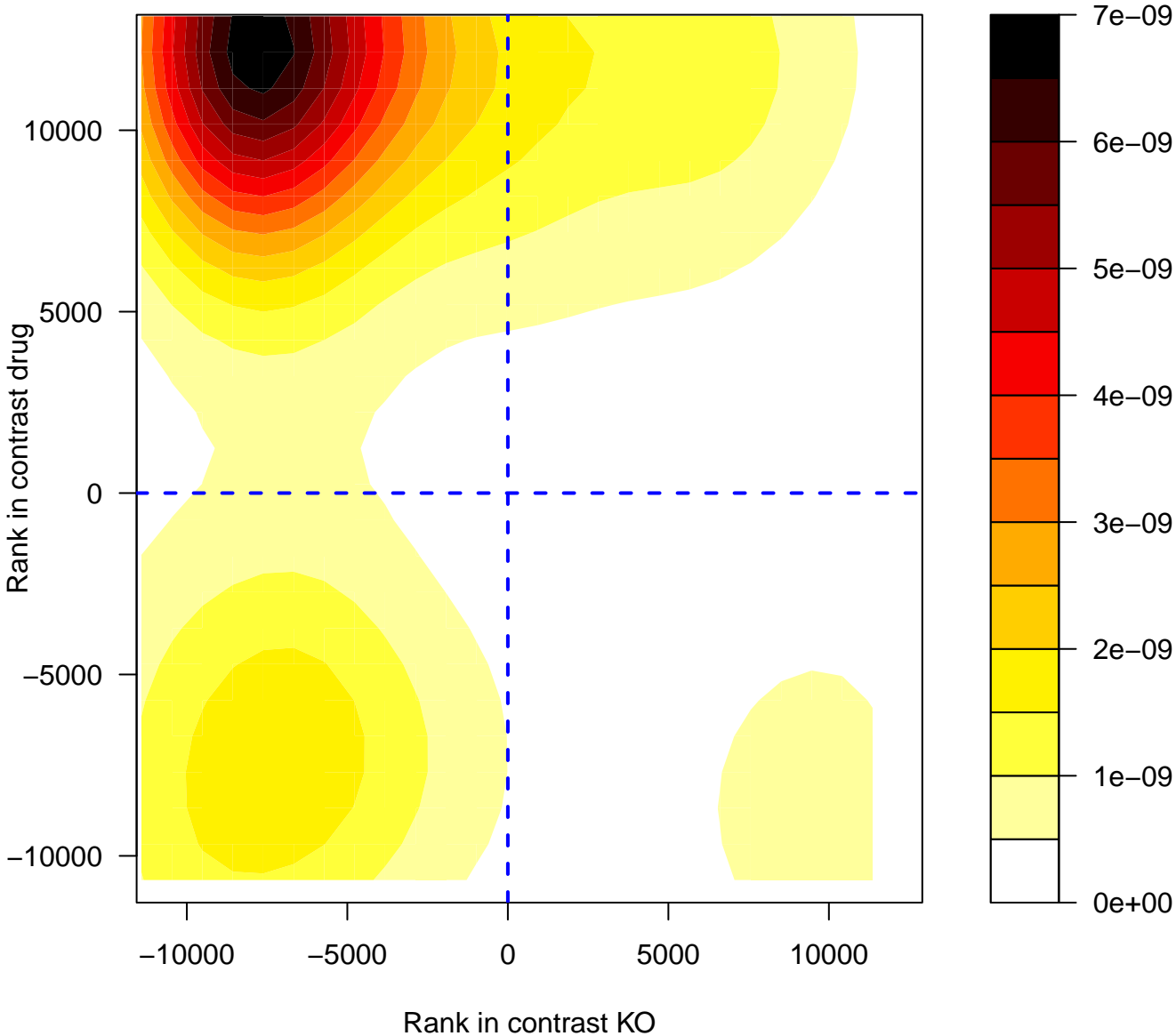
Selenoamino acid metabolism



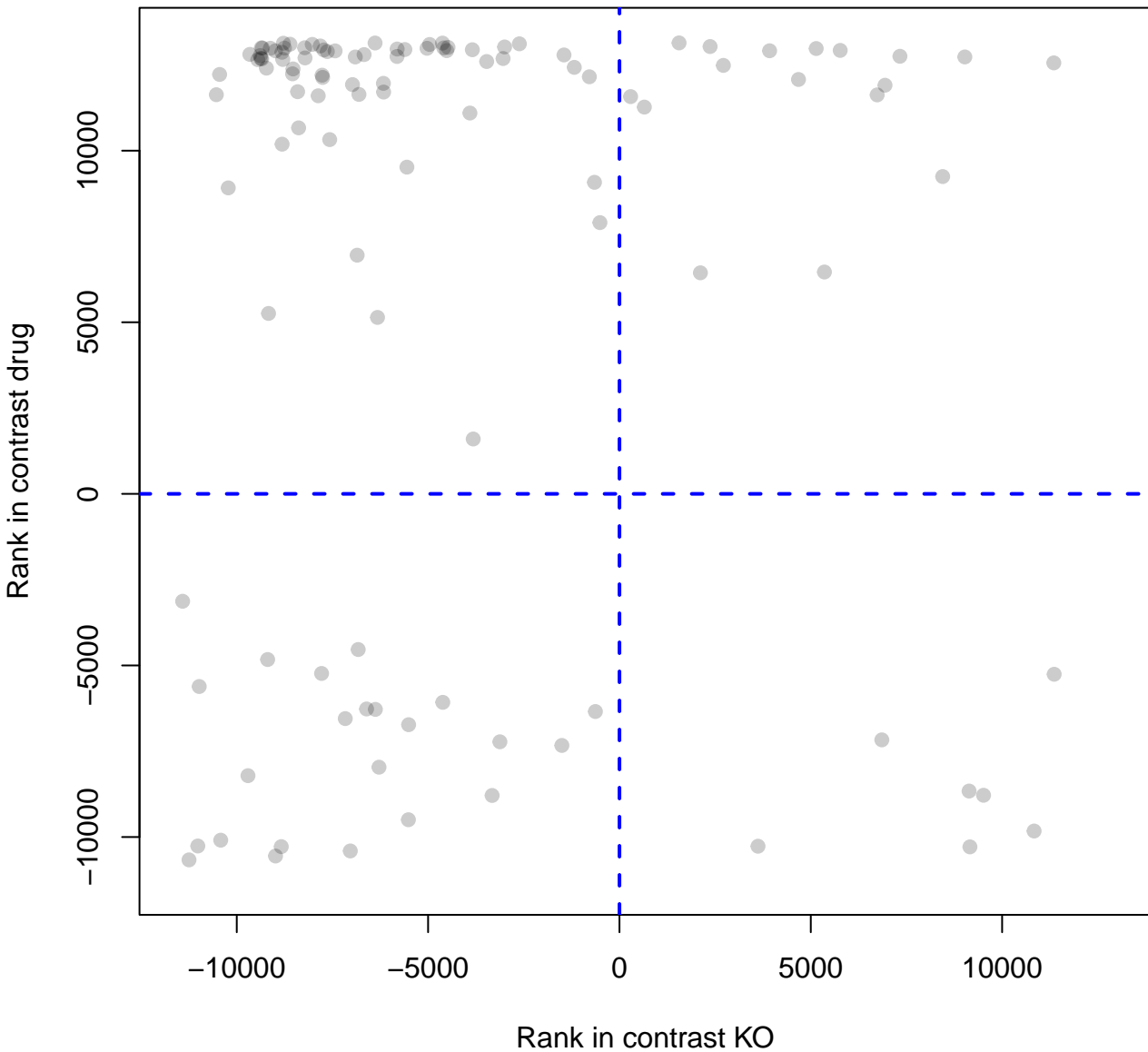
Selenoamino acid metabolism



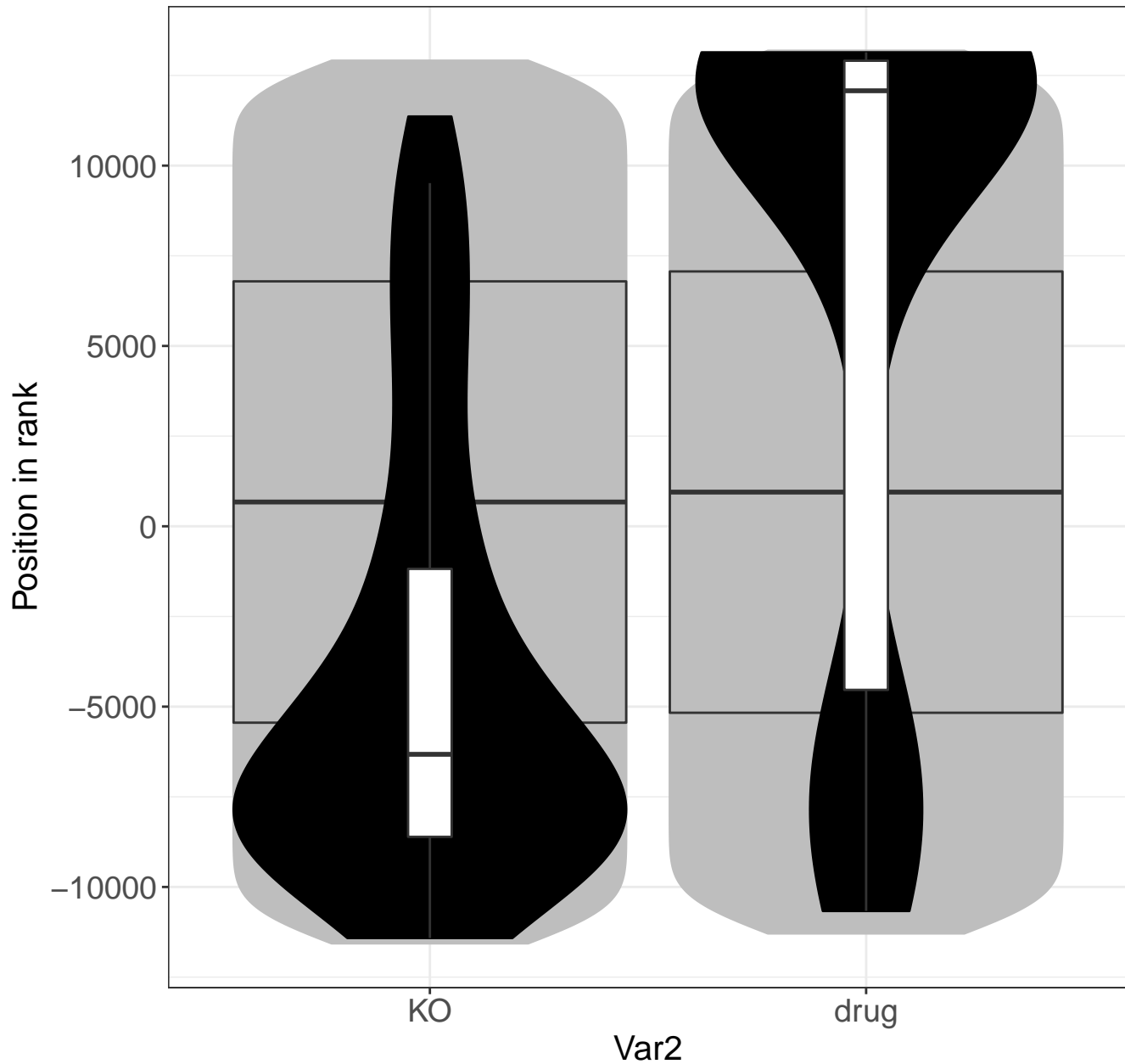
Non-sense Mediated Decay (NMD) enhanced by the Exon Junction C



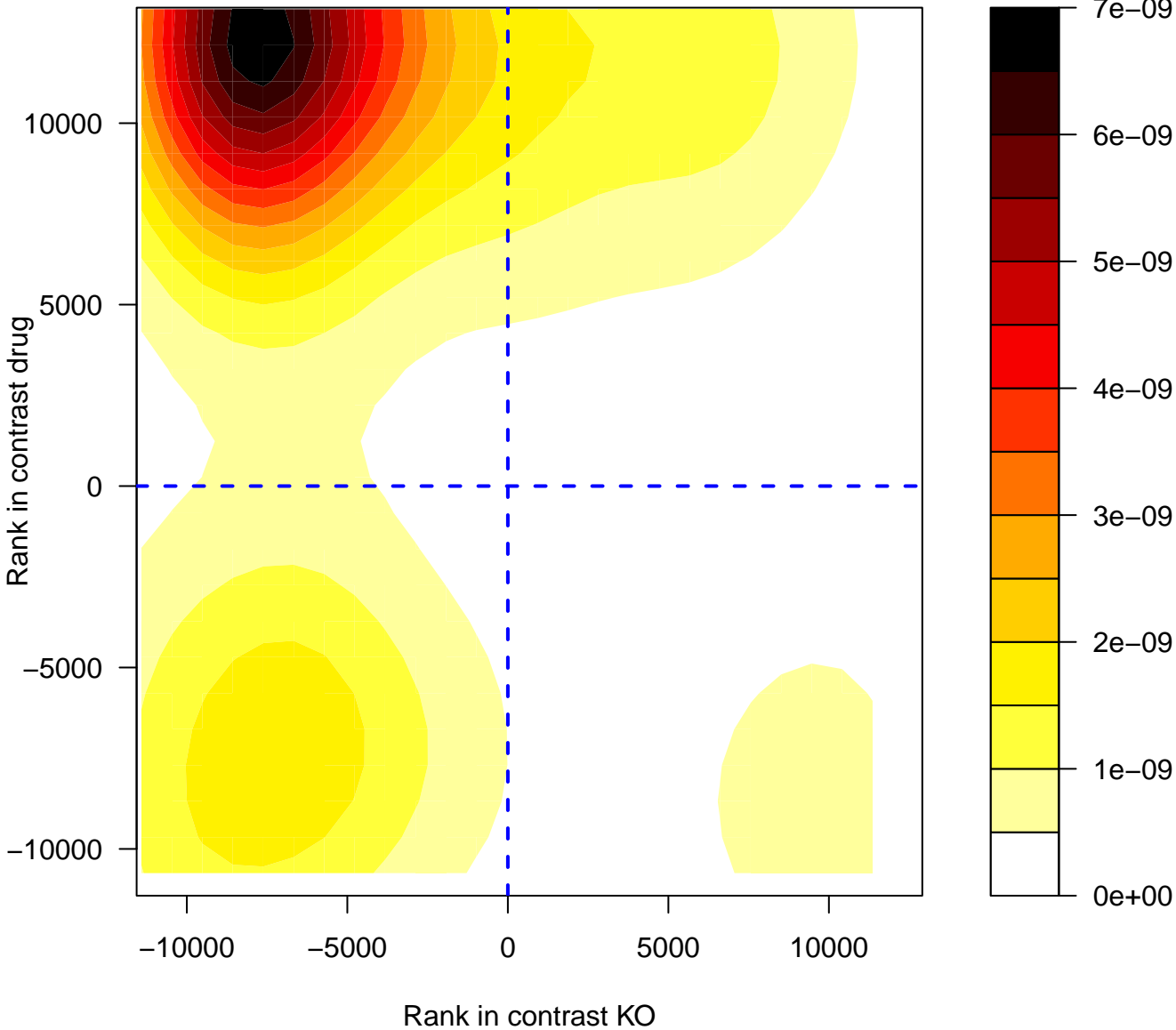
Nonsense Mediated Decay (NMD) enhanced by the Exon Junction Complex (EJC)



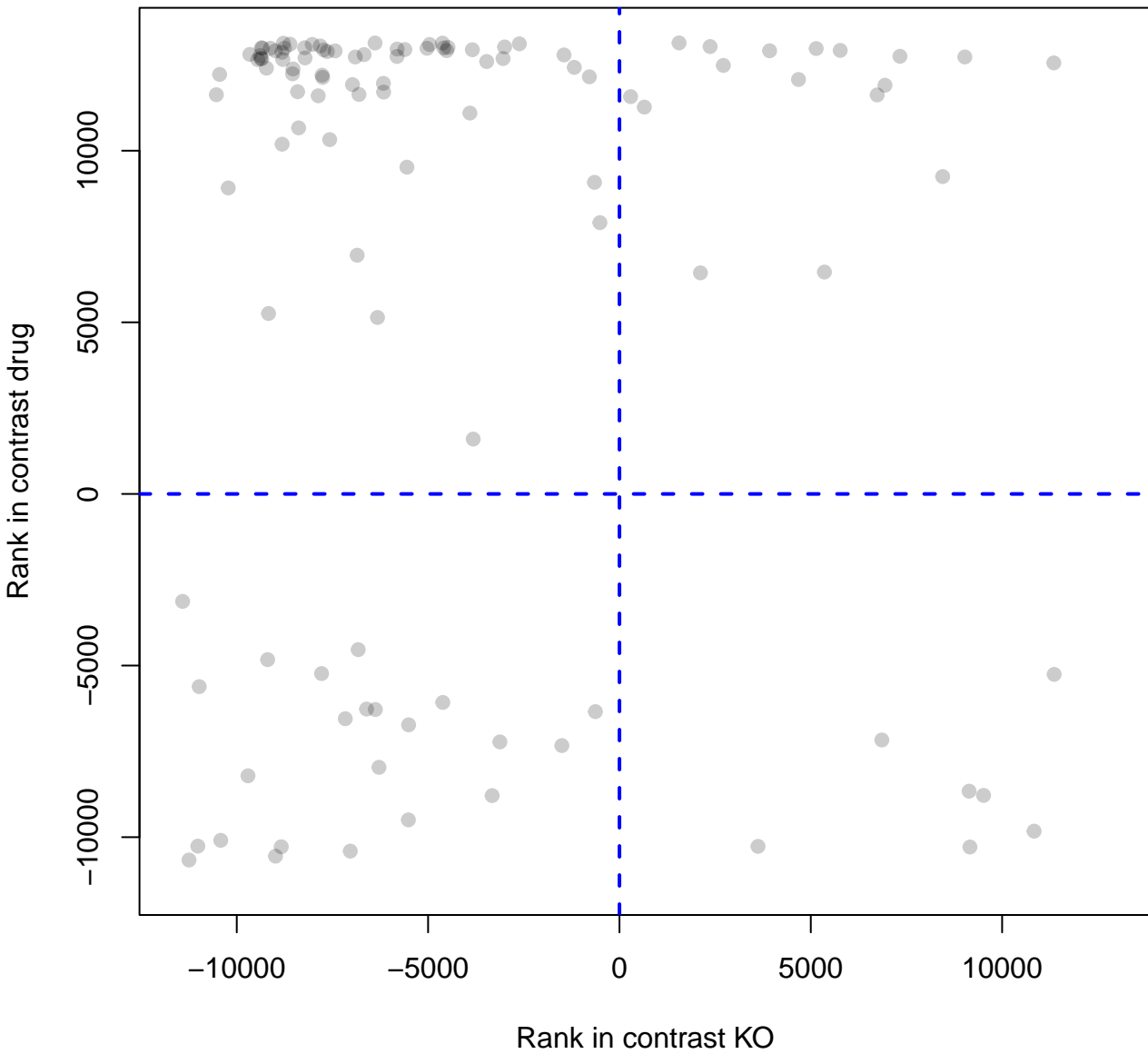
Nonsense Mediated Decay (NMD) enhanced by



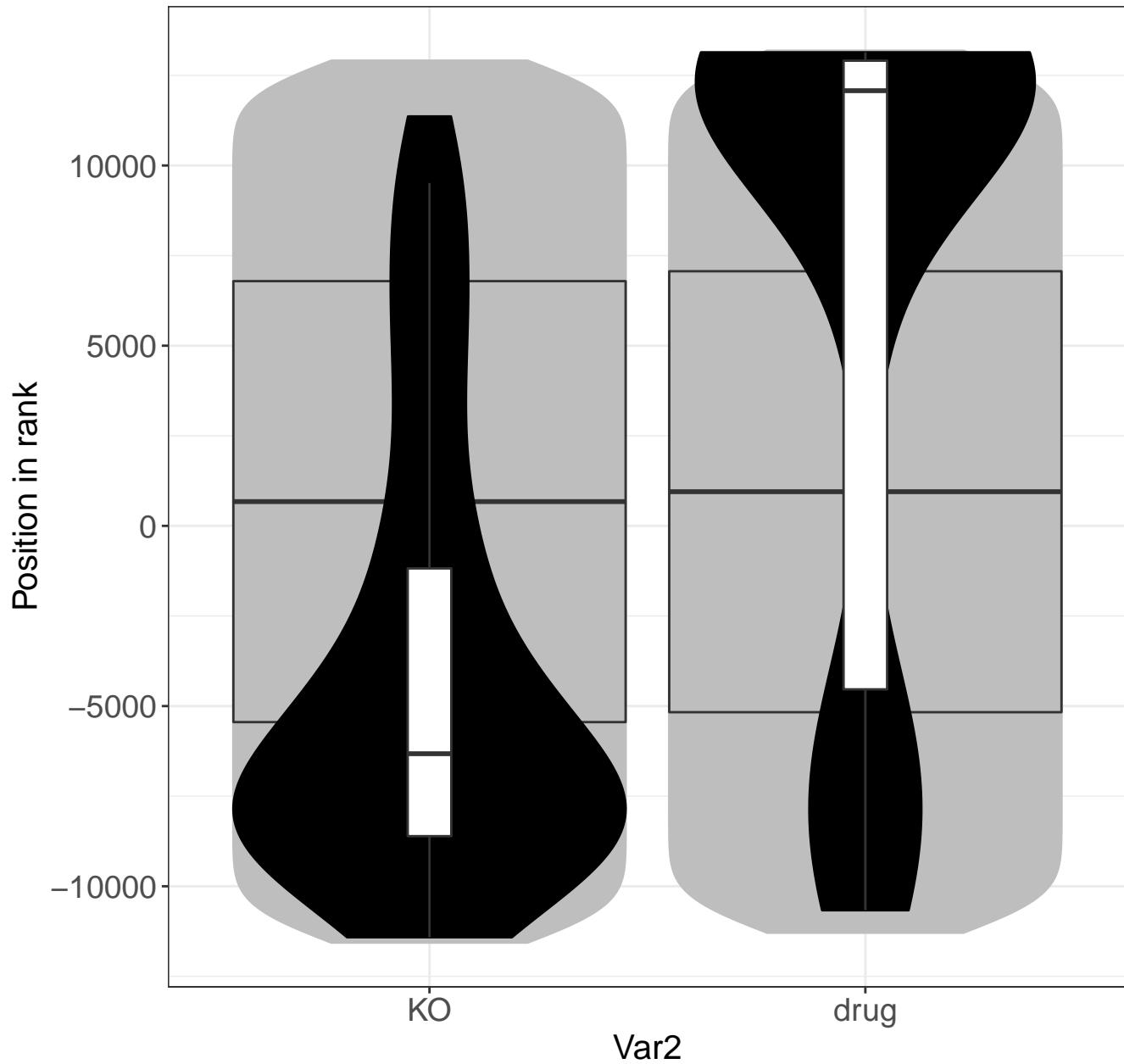
Nonsense-Mediated Decay (NMD)



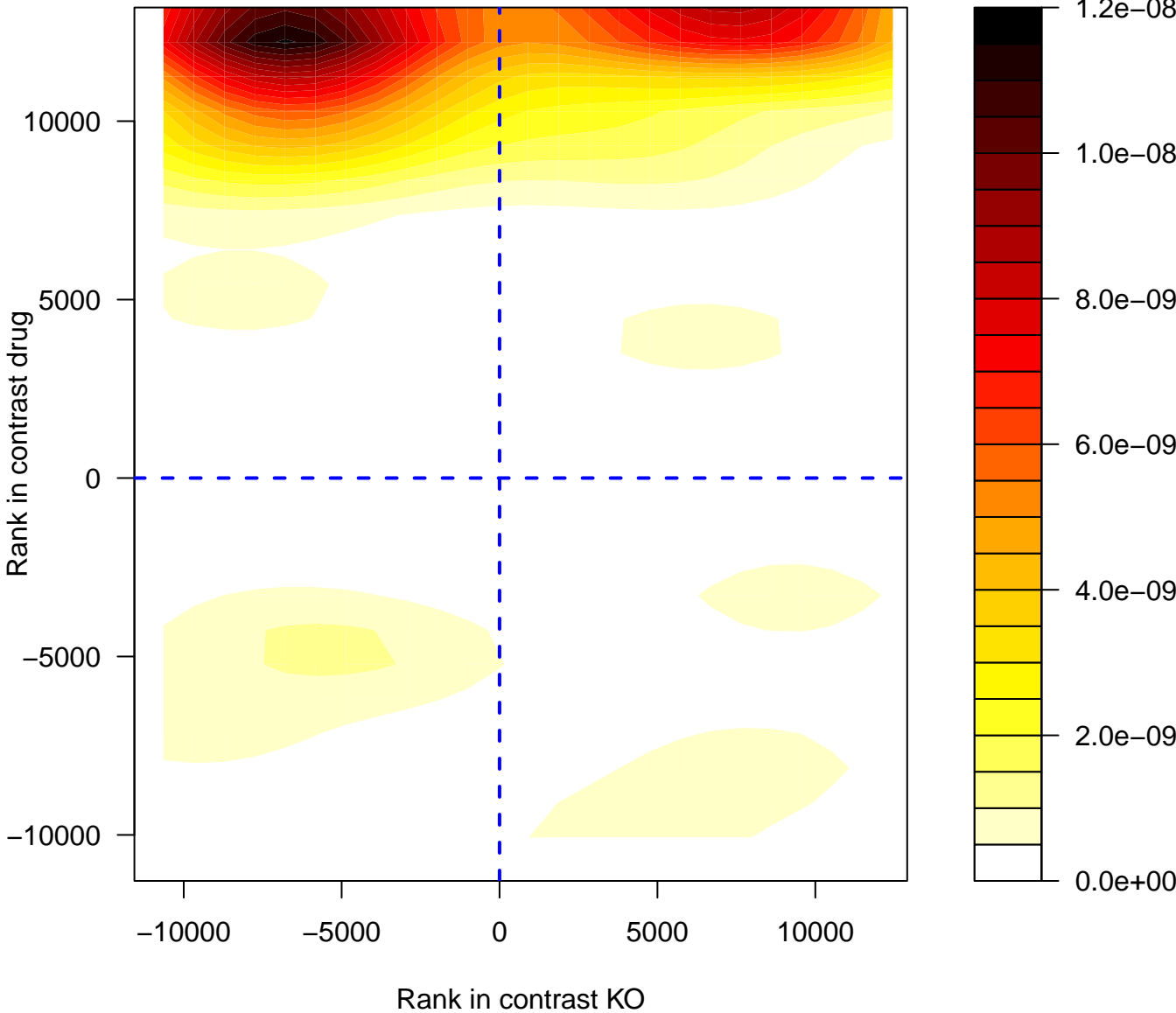
Nonsense-Mediated Decay (NMD)



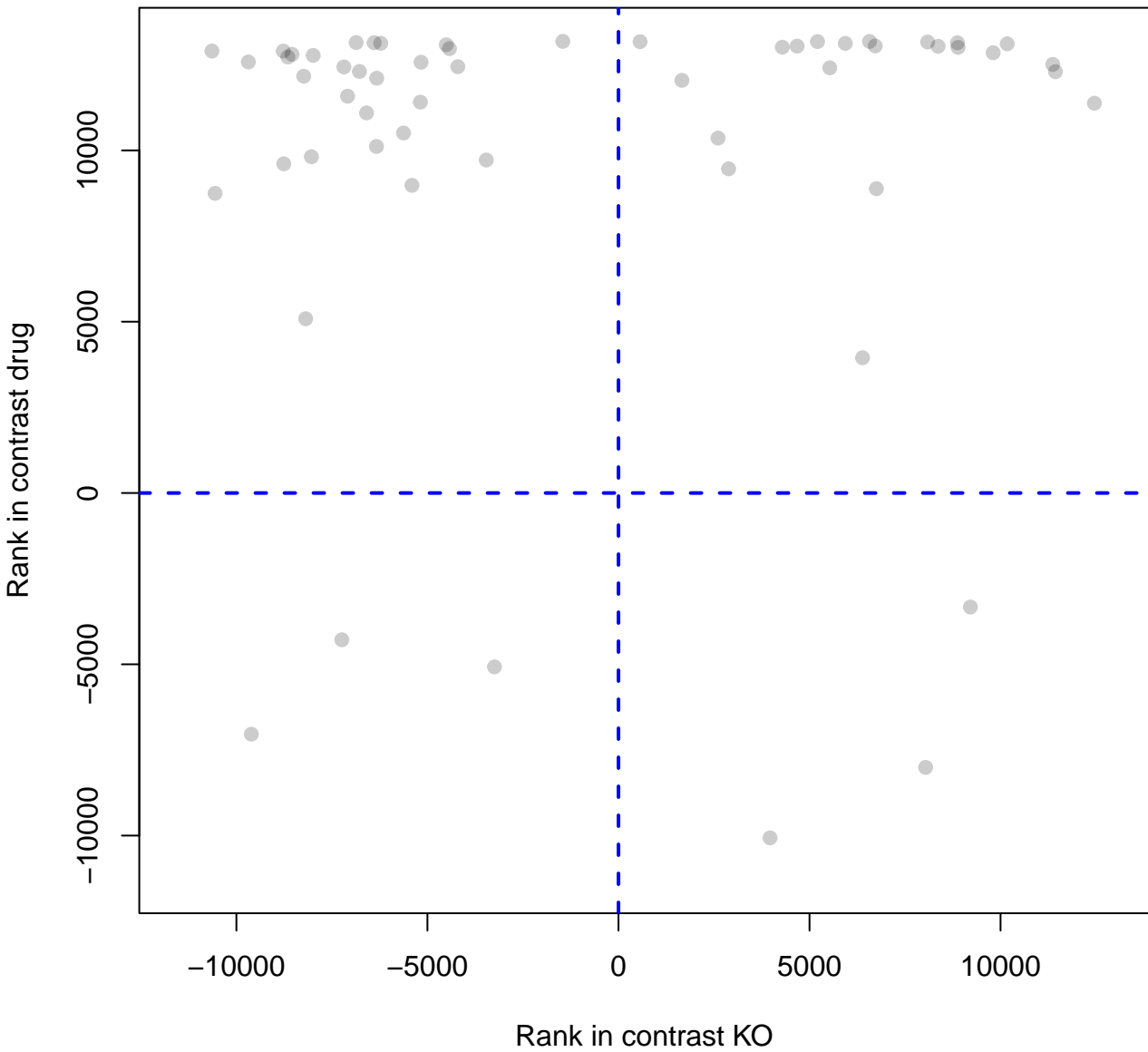
Nonsense-Mediated Decay (NMD)



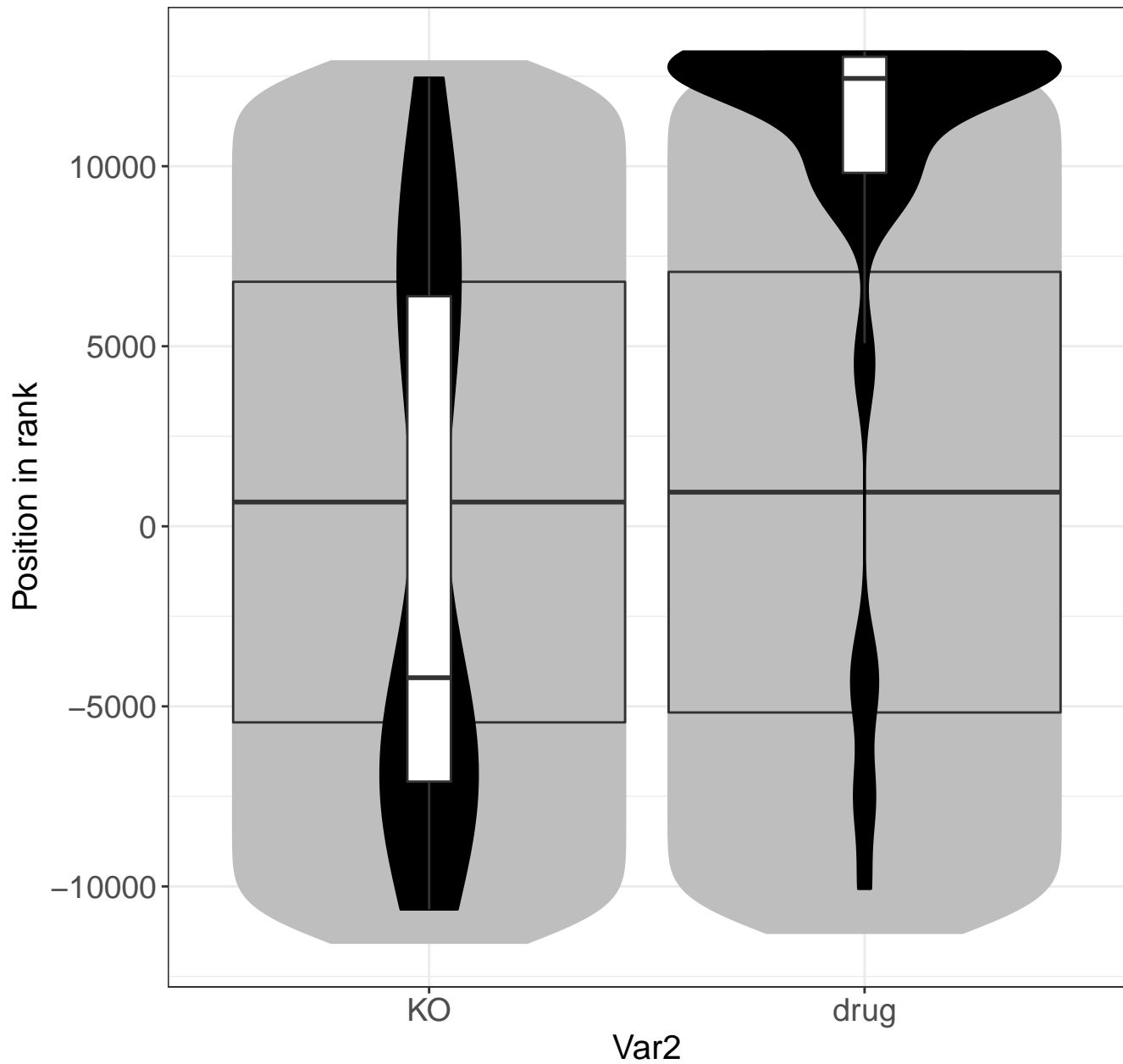
Complex I biogenesis



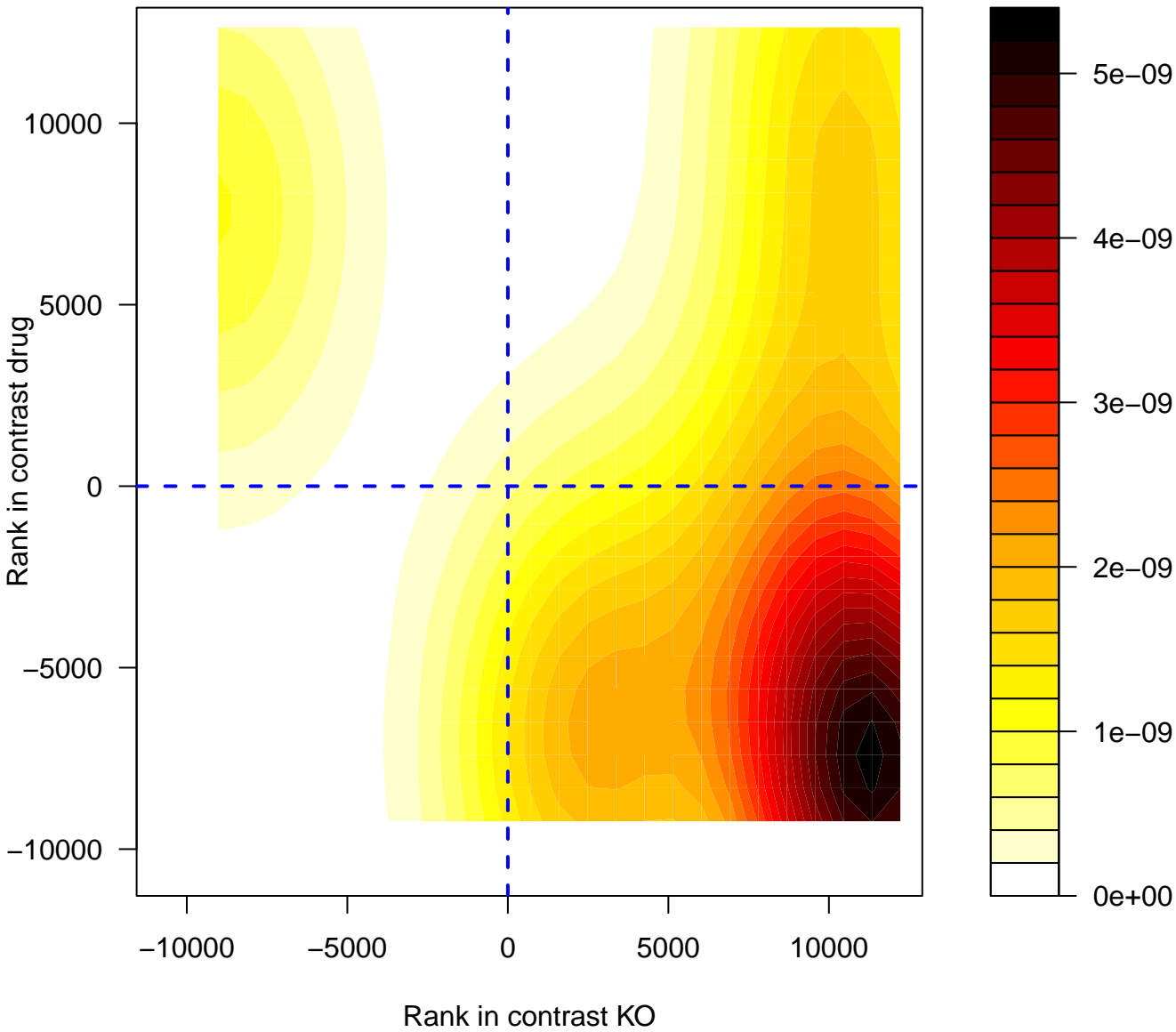
Complex I biogenesis



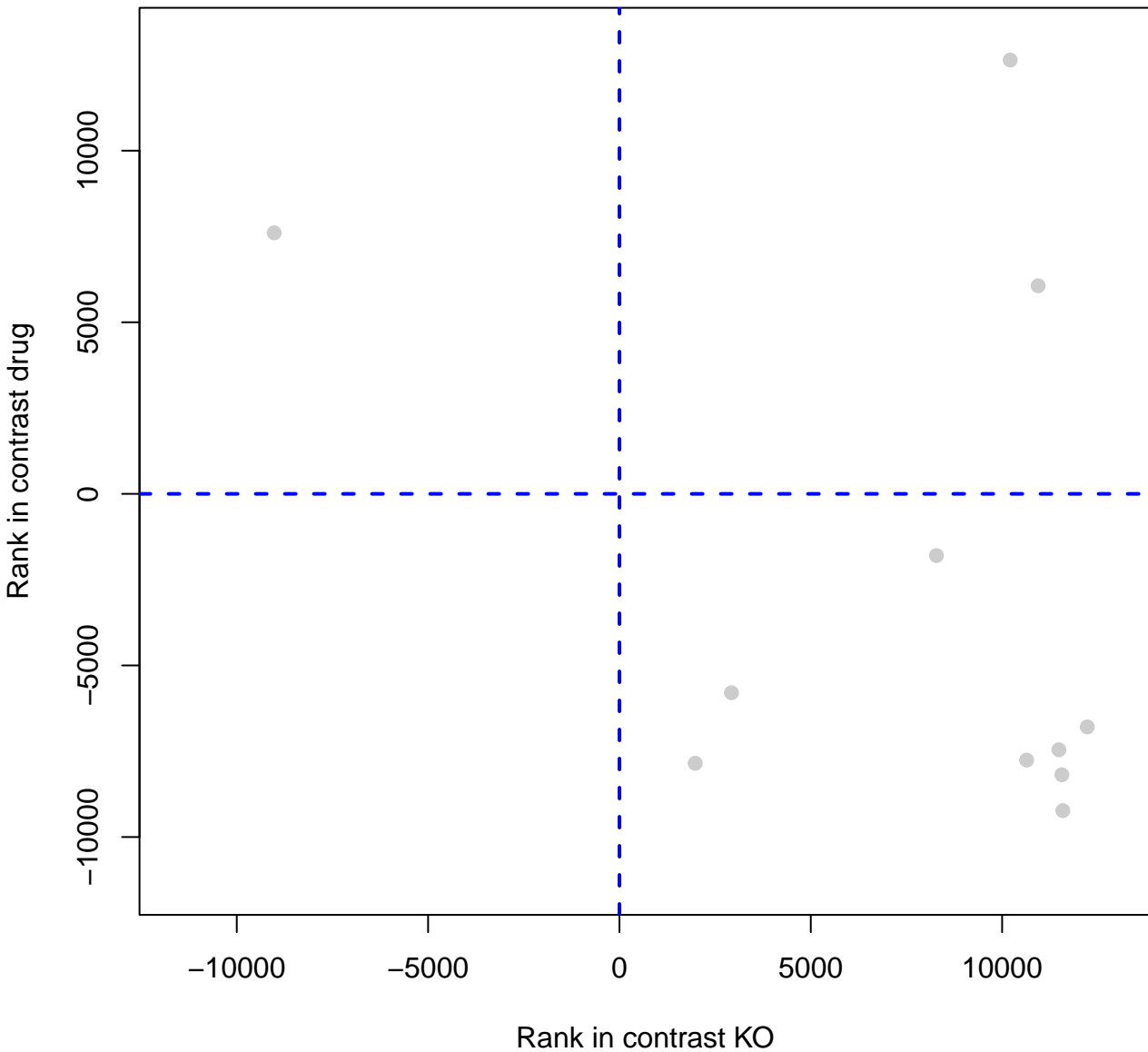
Complex I biogenesis



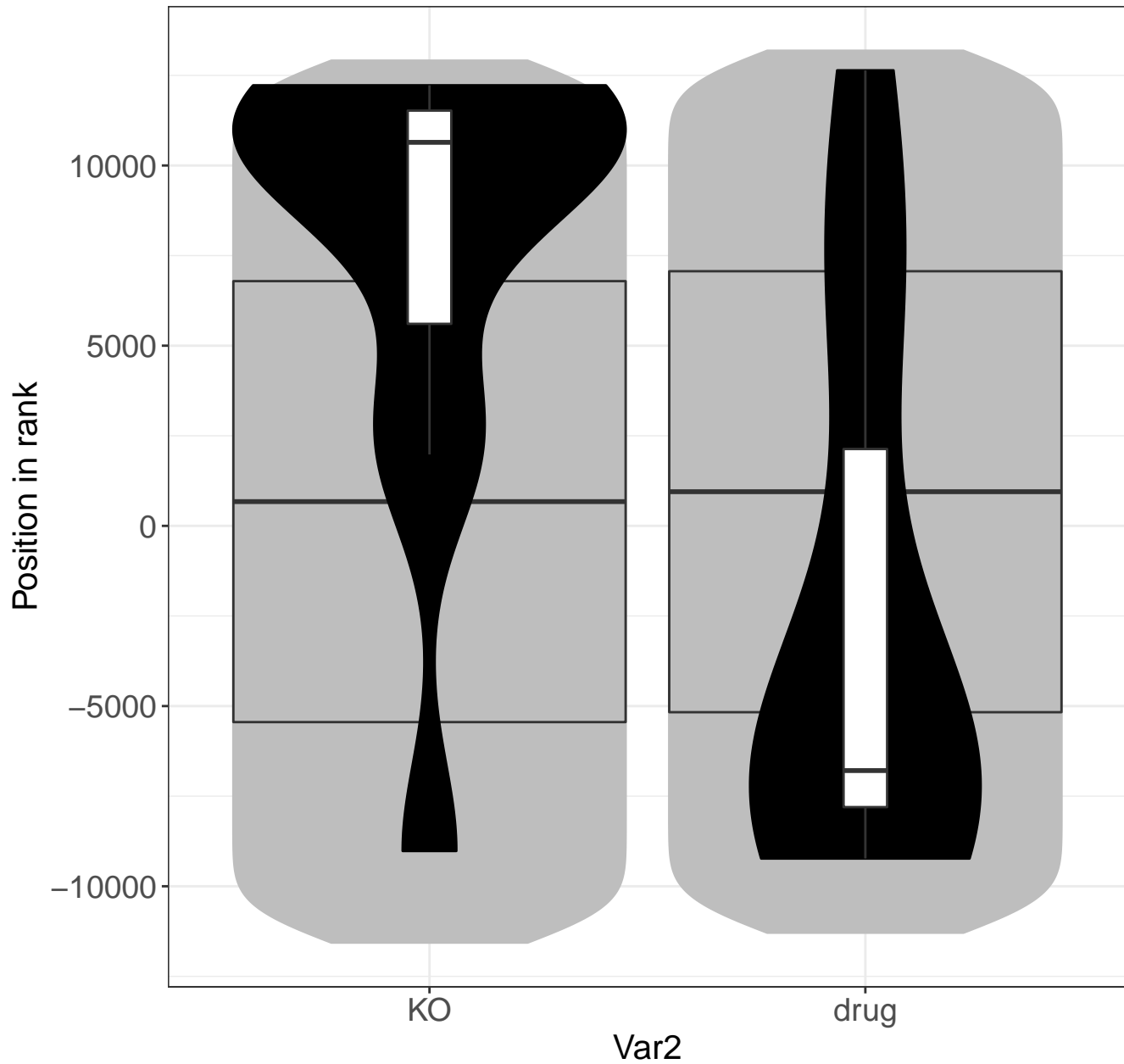
Biotin transport and metabolism



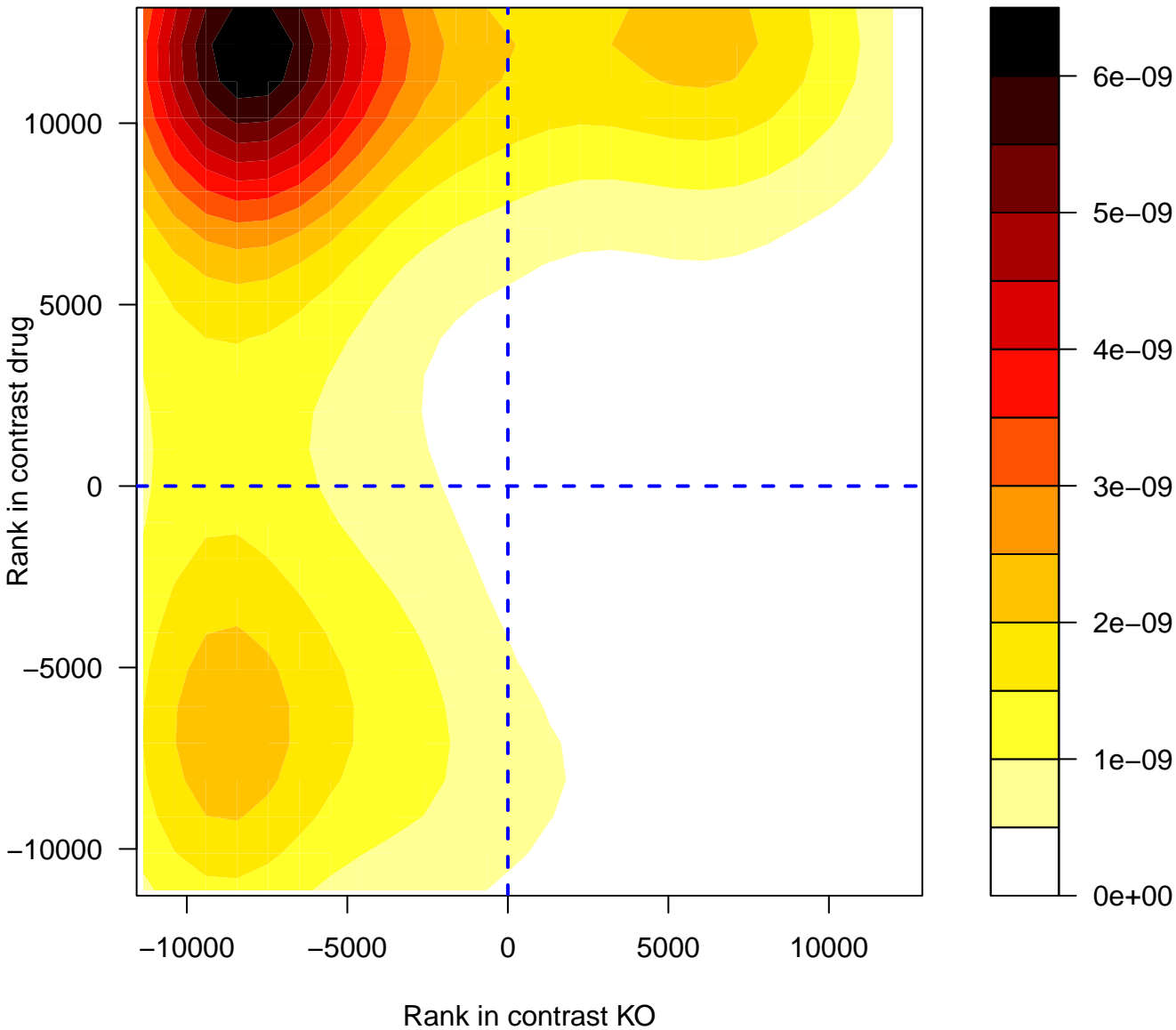
Biotin transport and metabolism



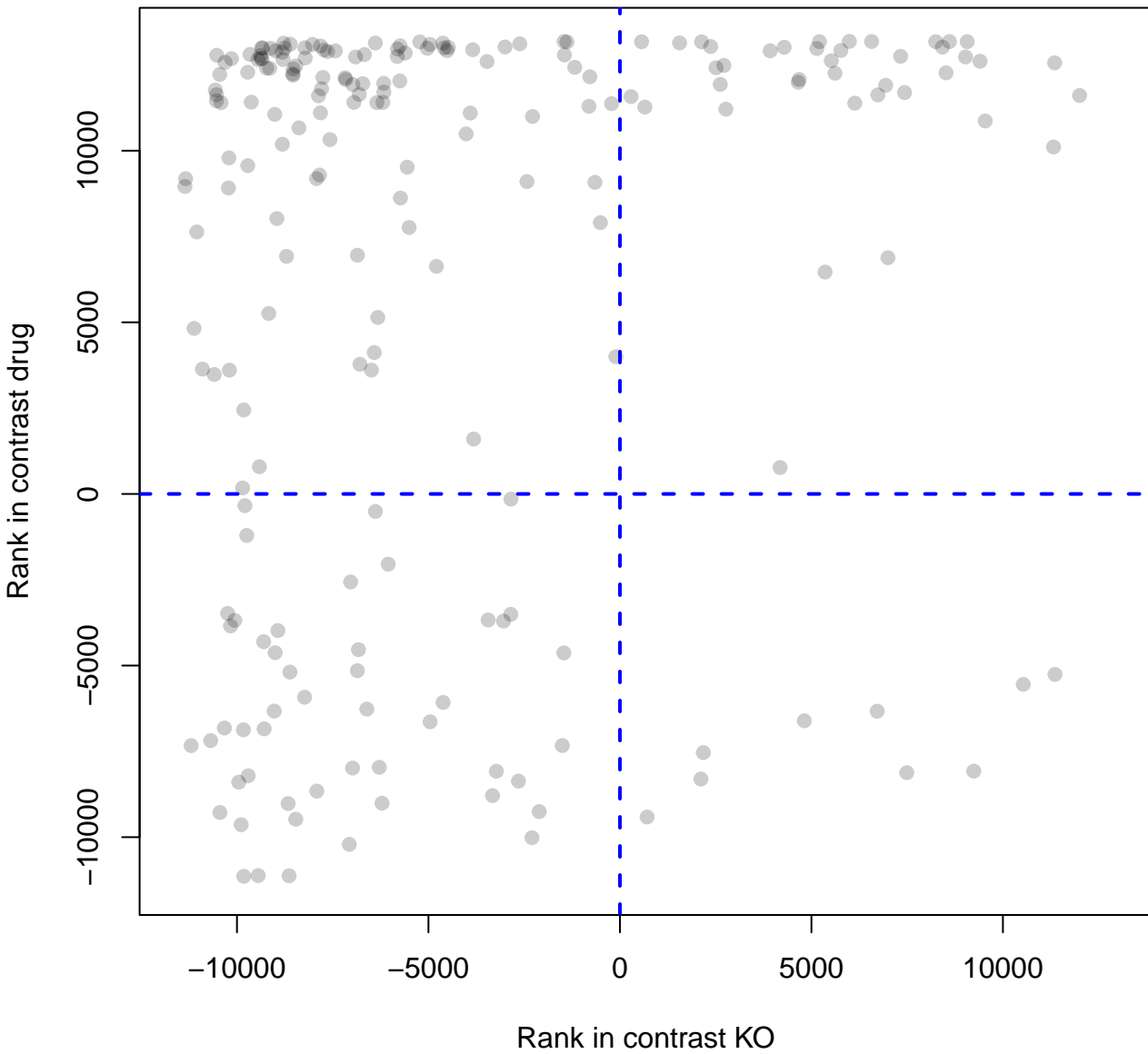
Biotin transport and metabolism



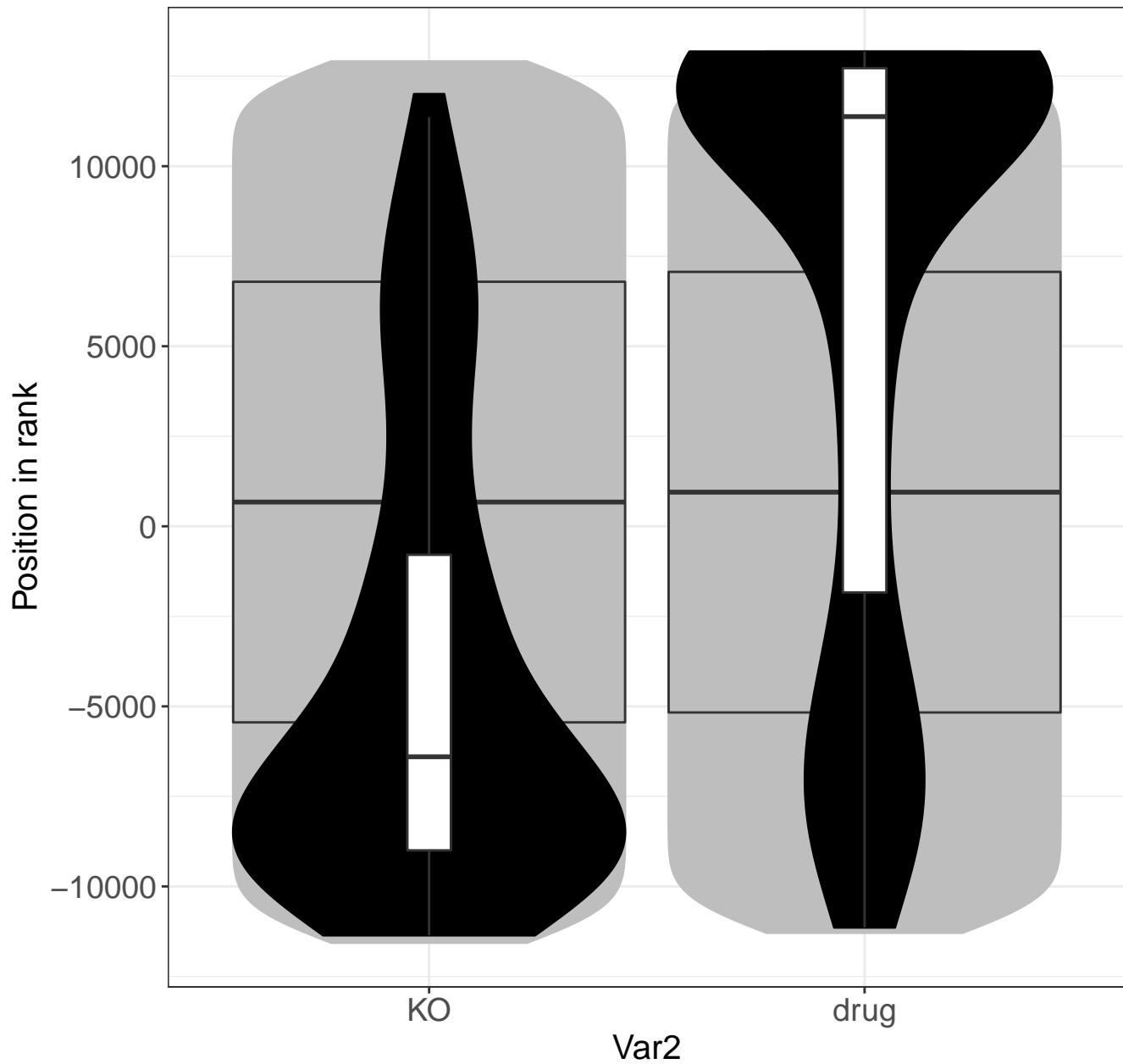
rRNA processing



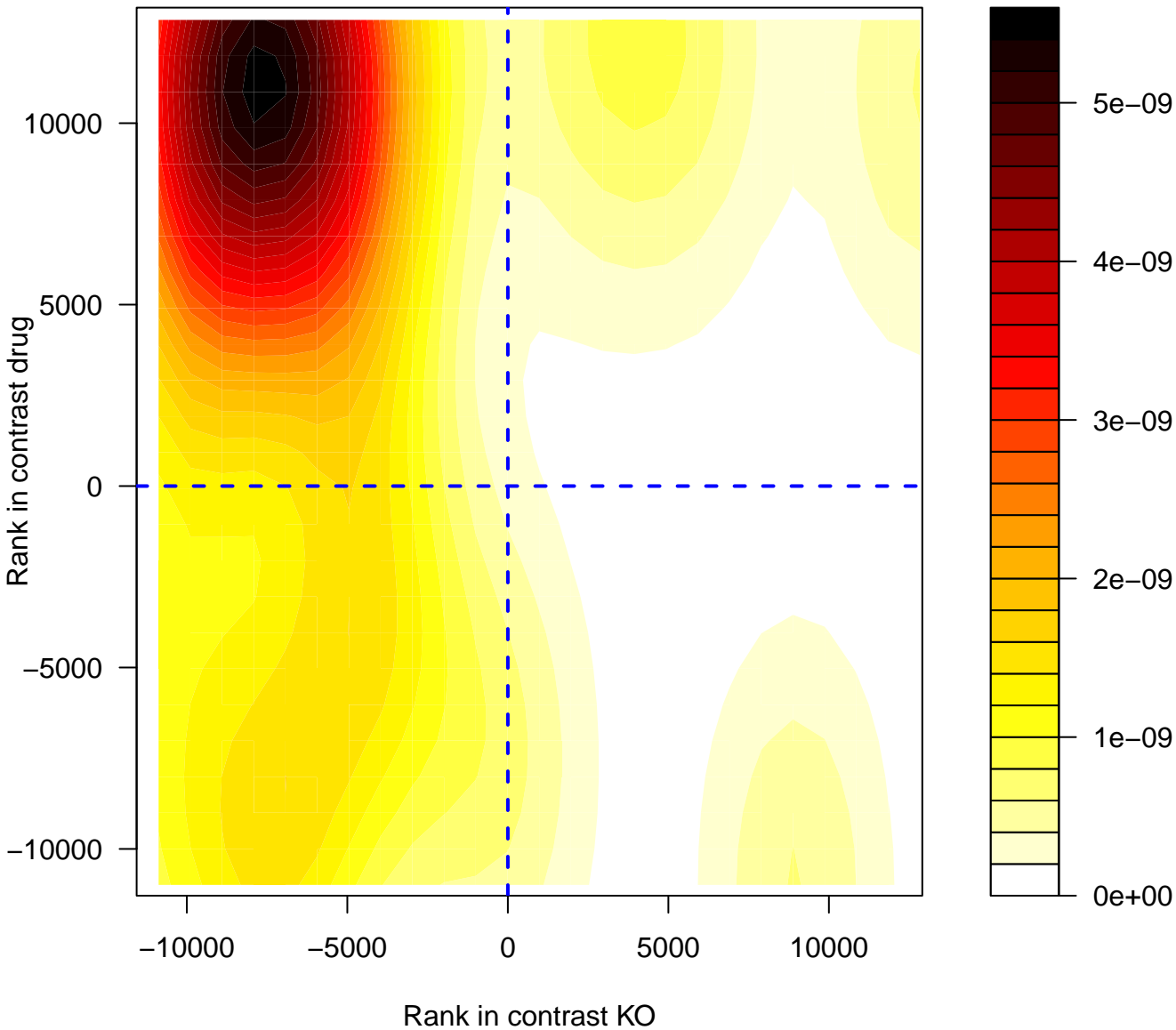
rRNA processing



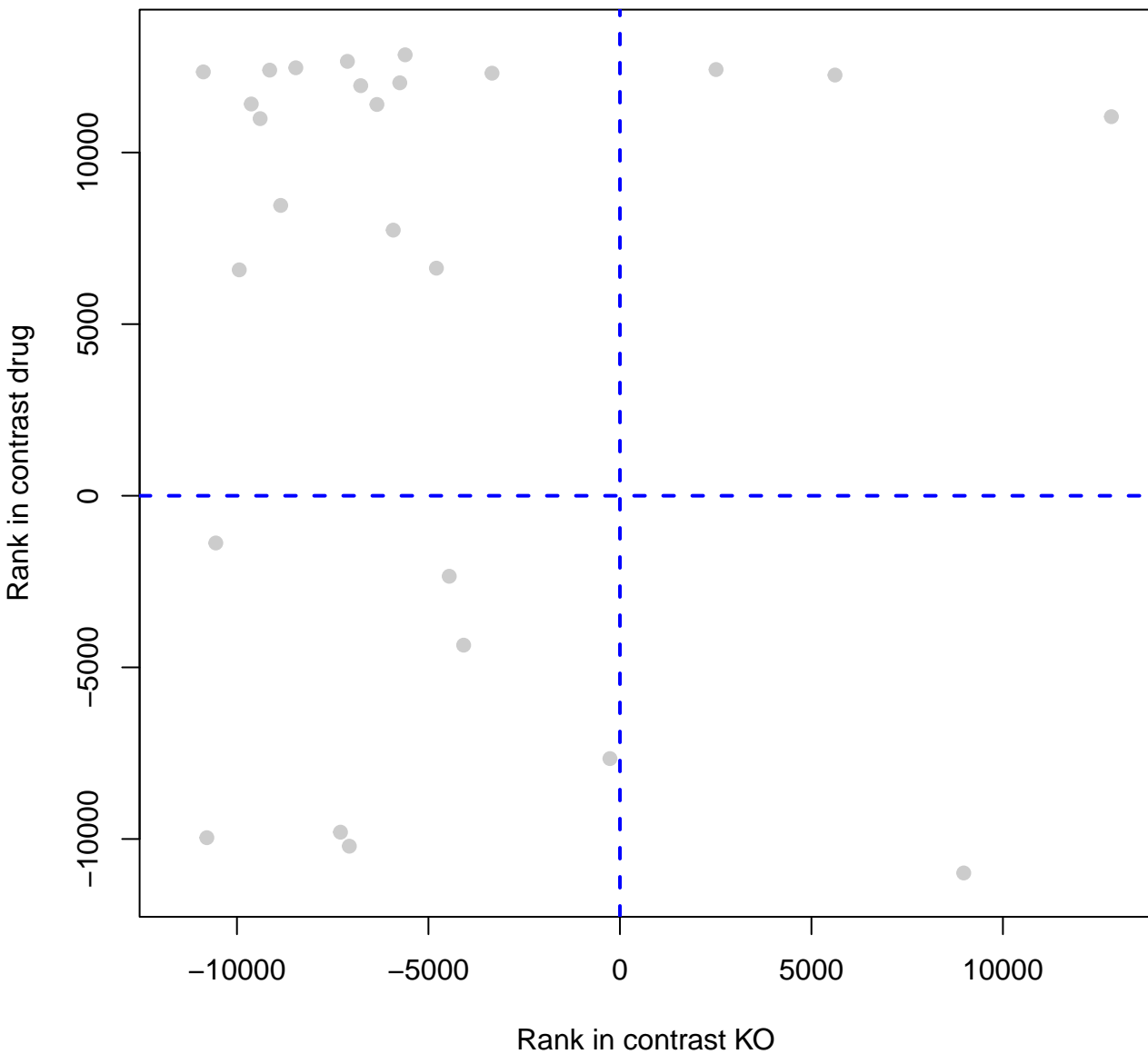
rRNA processing



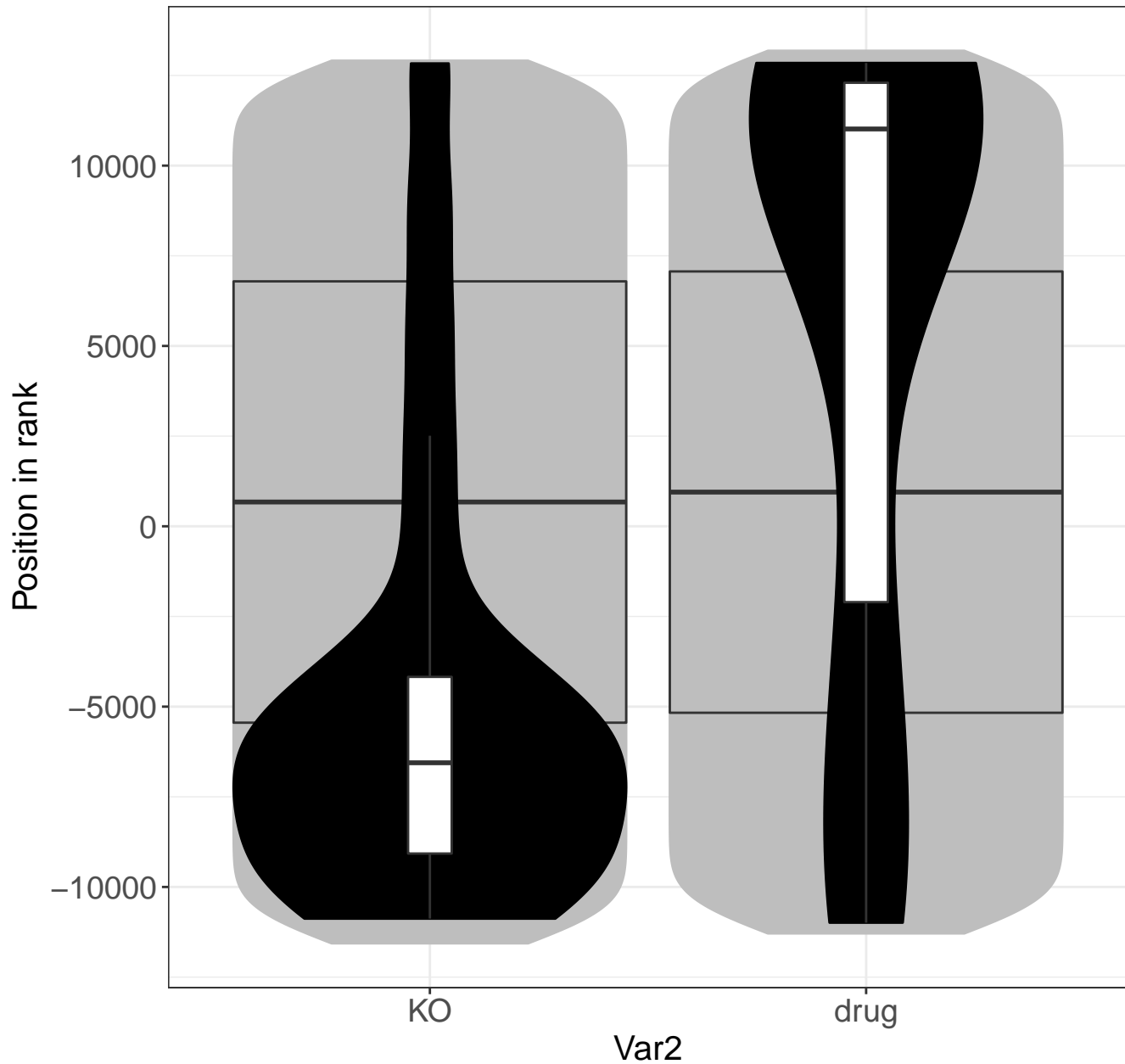
ATF4 activates genes in response to endoplasmic reticulum



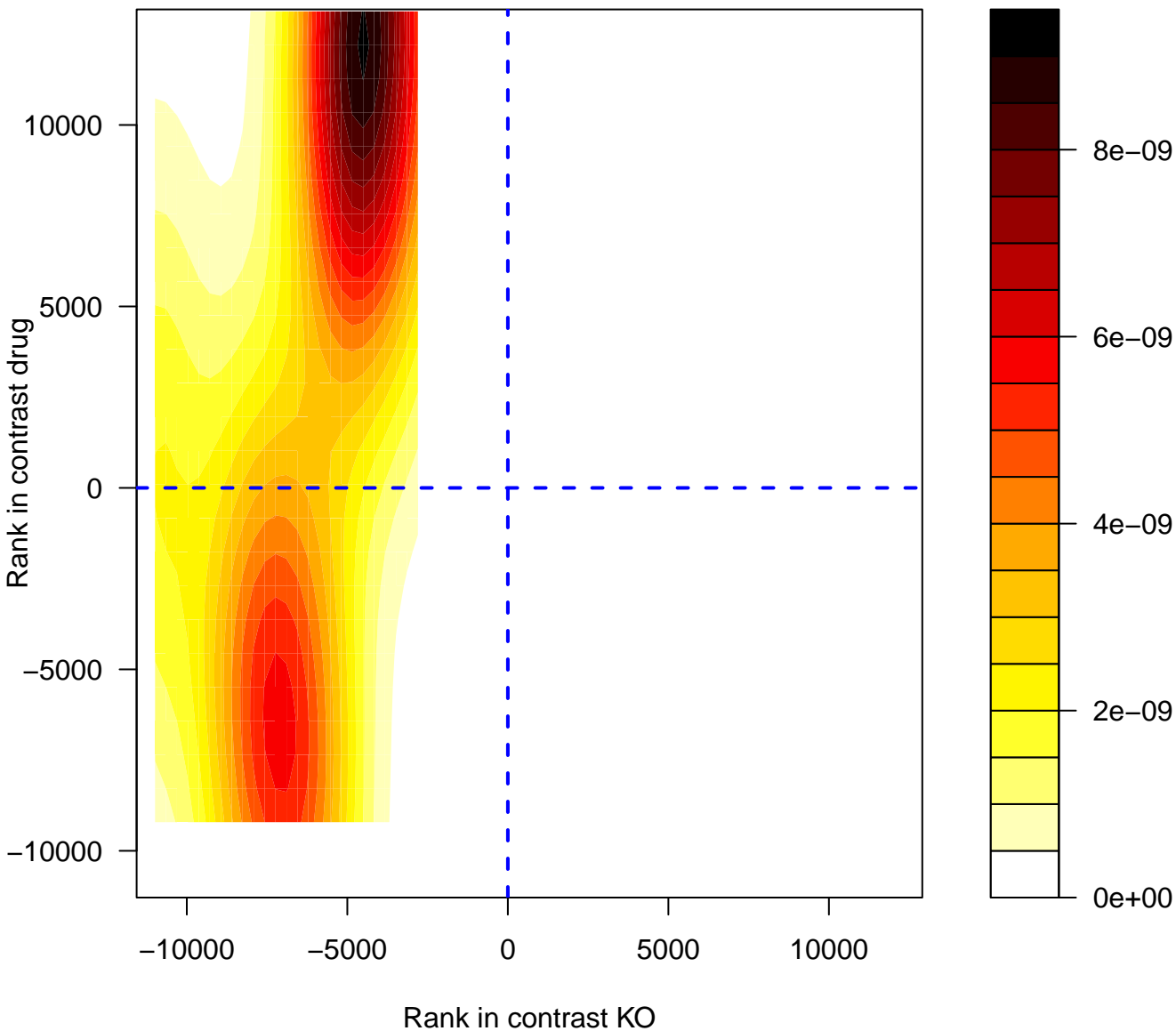
ATF4 activates genes in response to endoplasmic reticulum stress



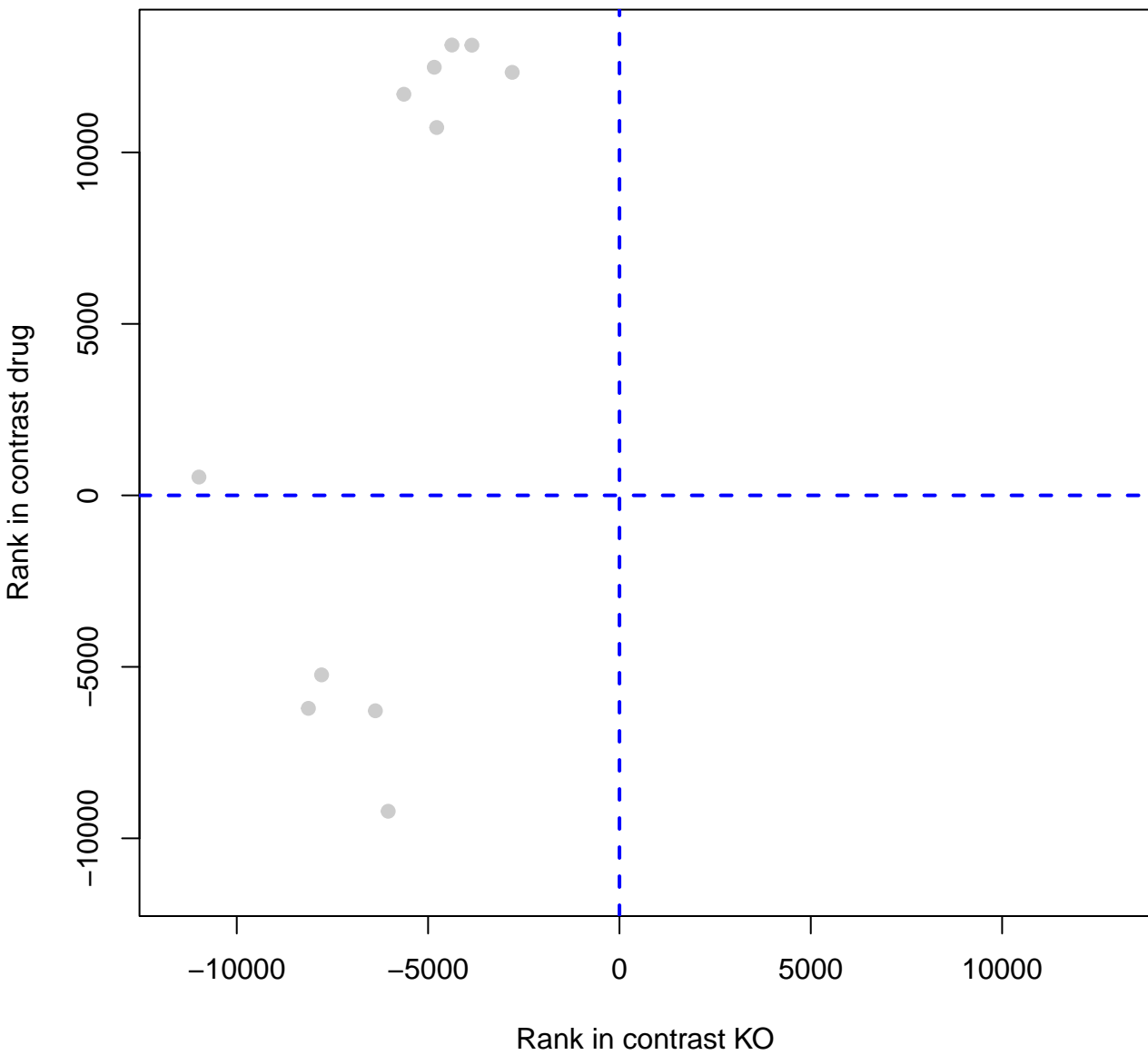
ATF4 activates genes in response to endoplasmic



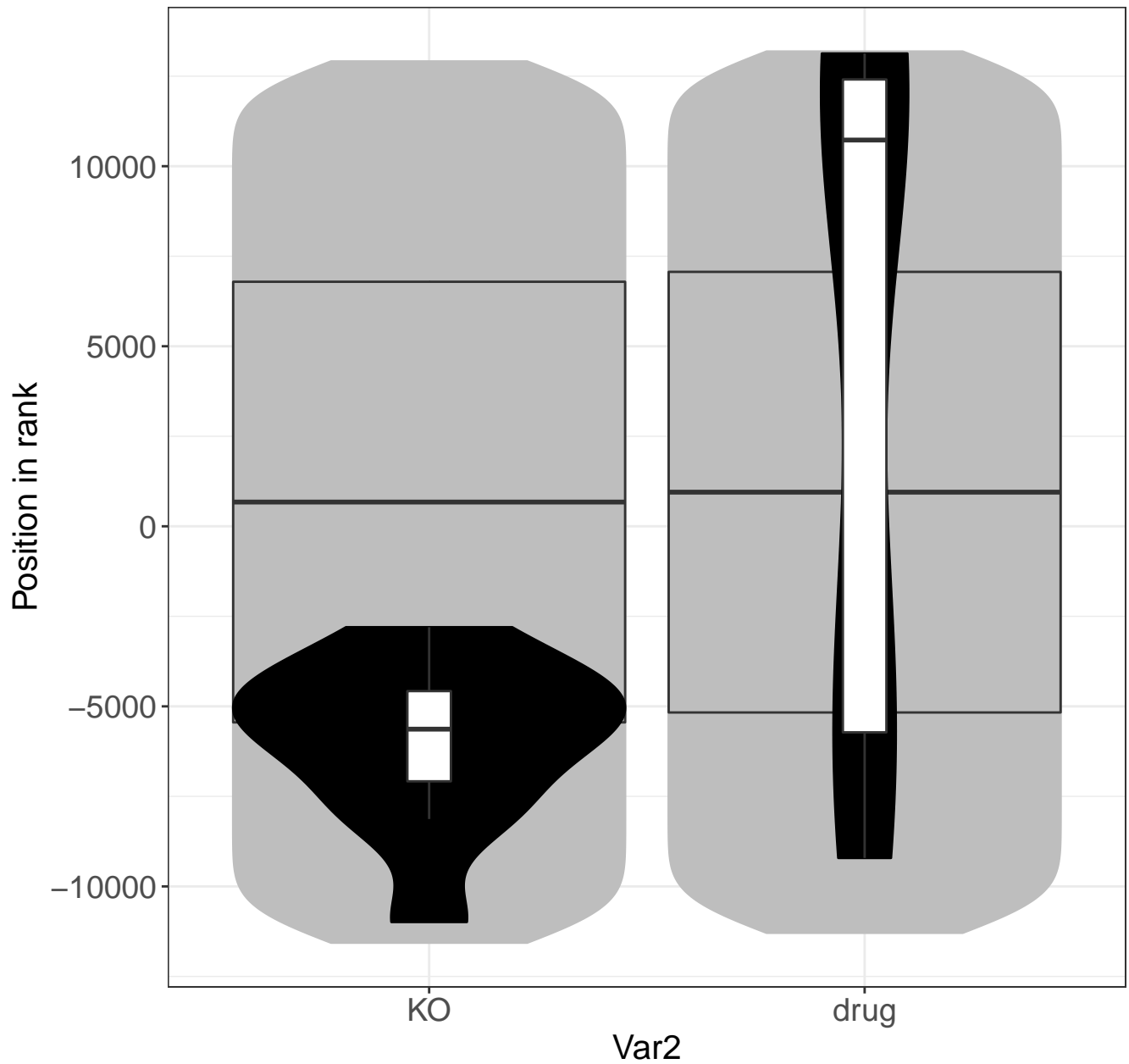
Dependent Processing of Replication-Dependent Histone F



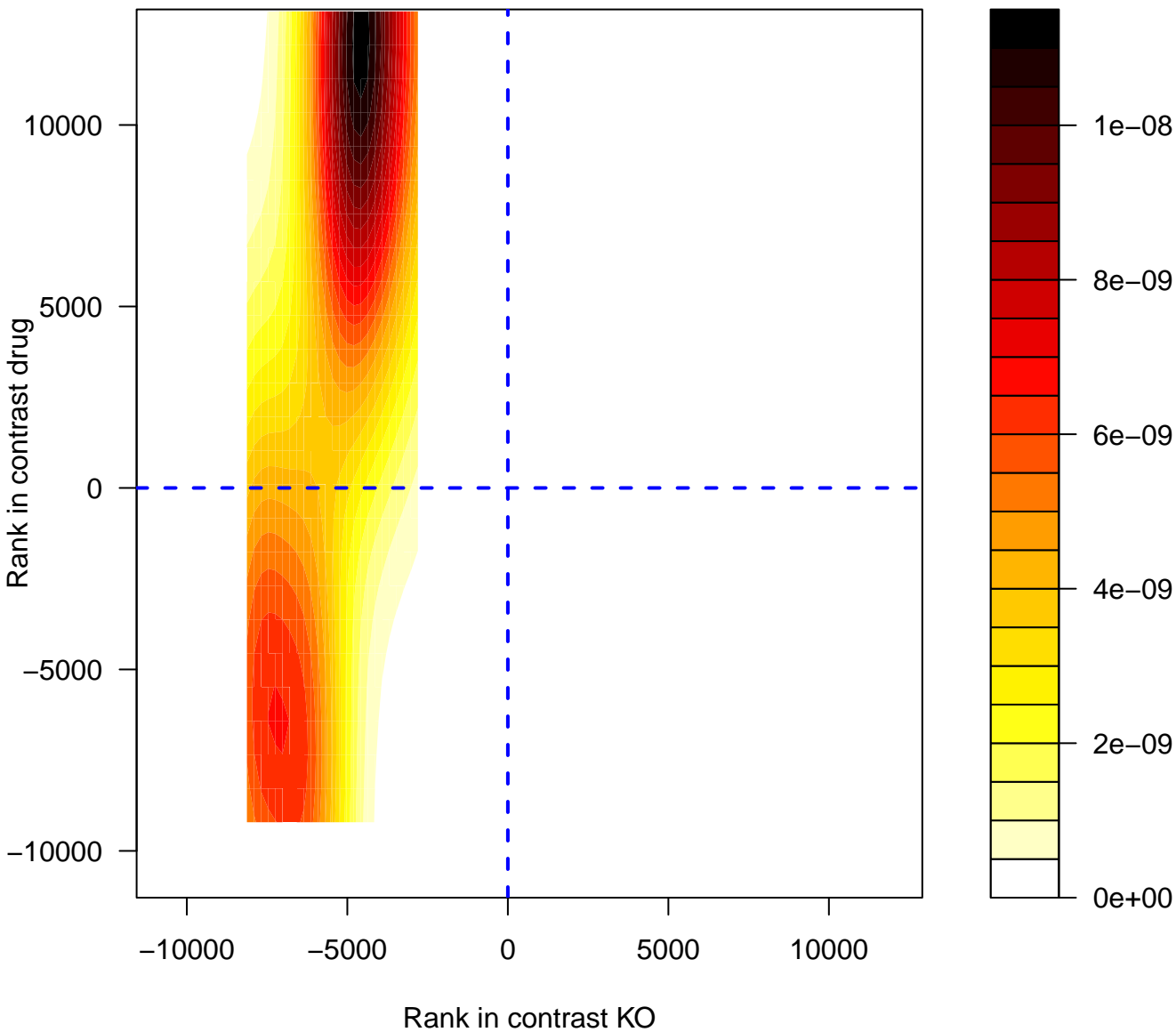
SLBP Dependent Processing of Replication-Dependent Histone Pre-mRN



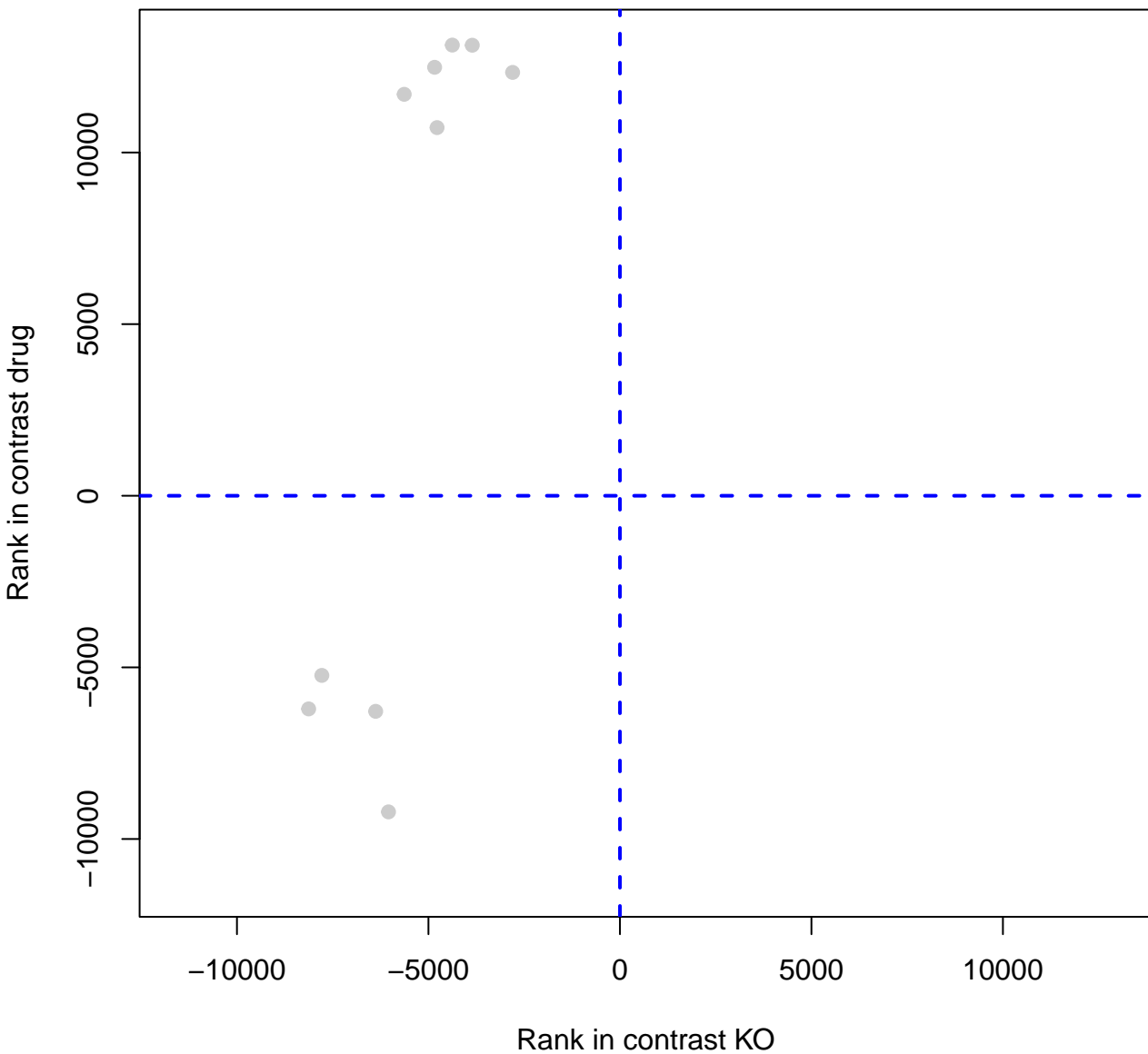
SLBP Dependent Processing of Replication-Dep



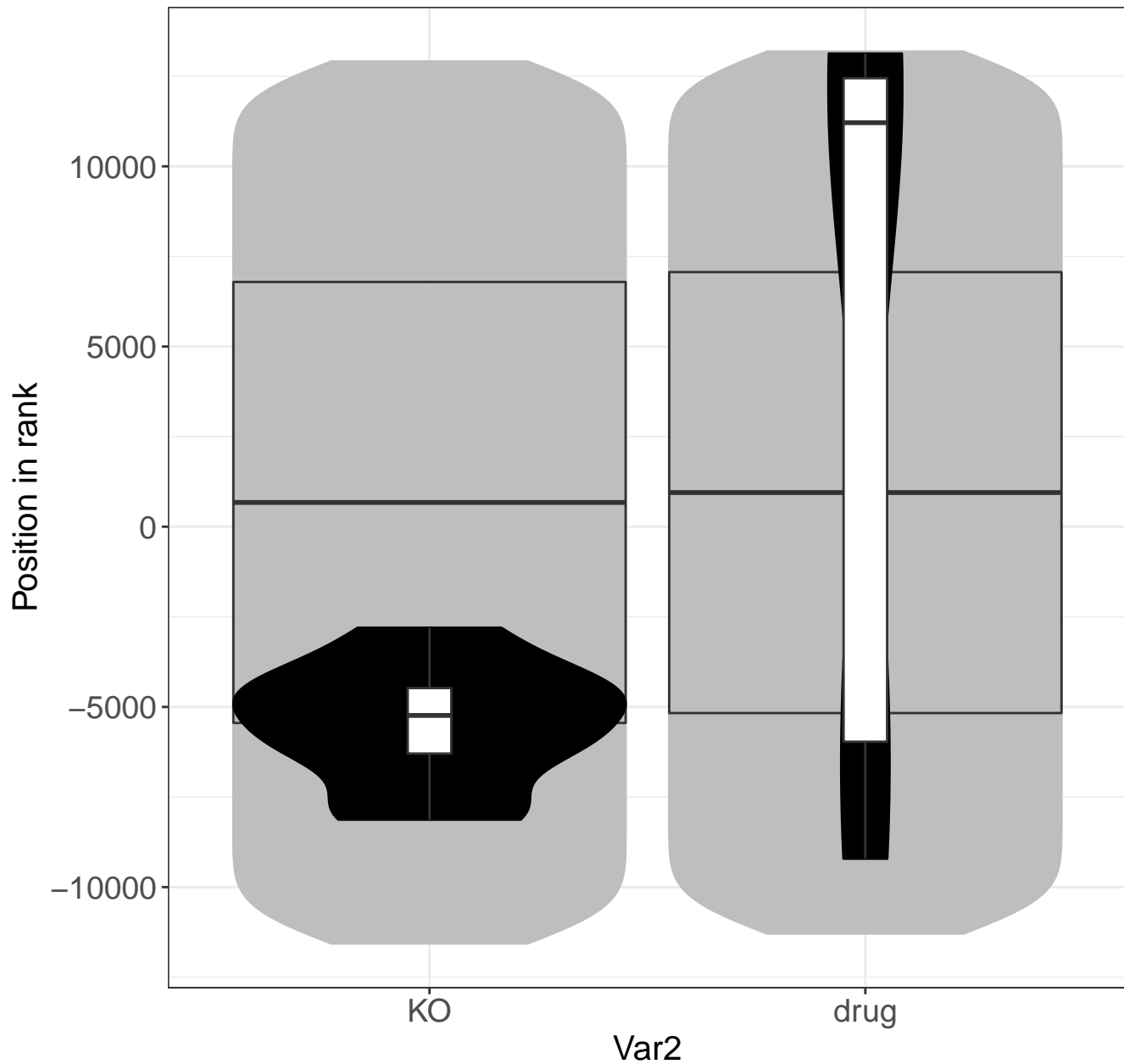
SLBP independent Processing of Histone Pre-mRNAs



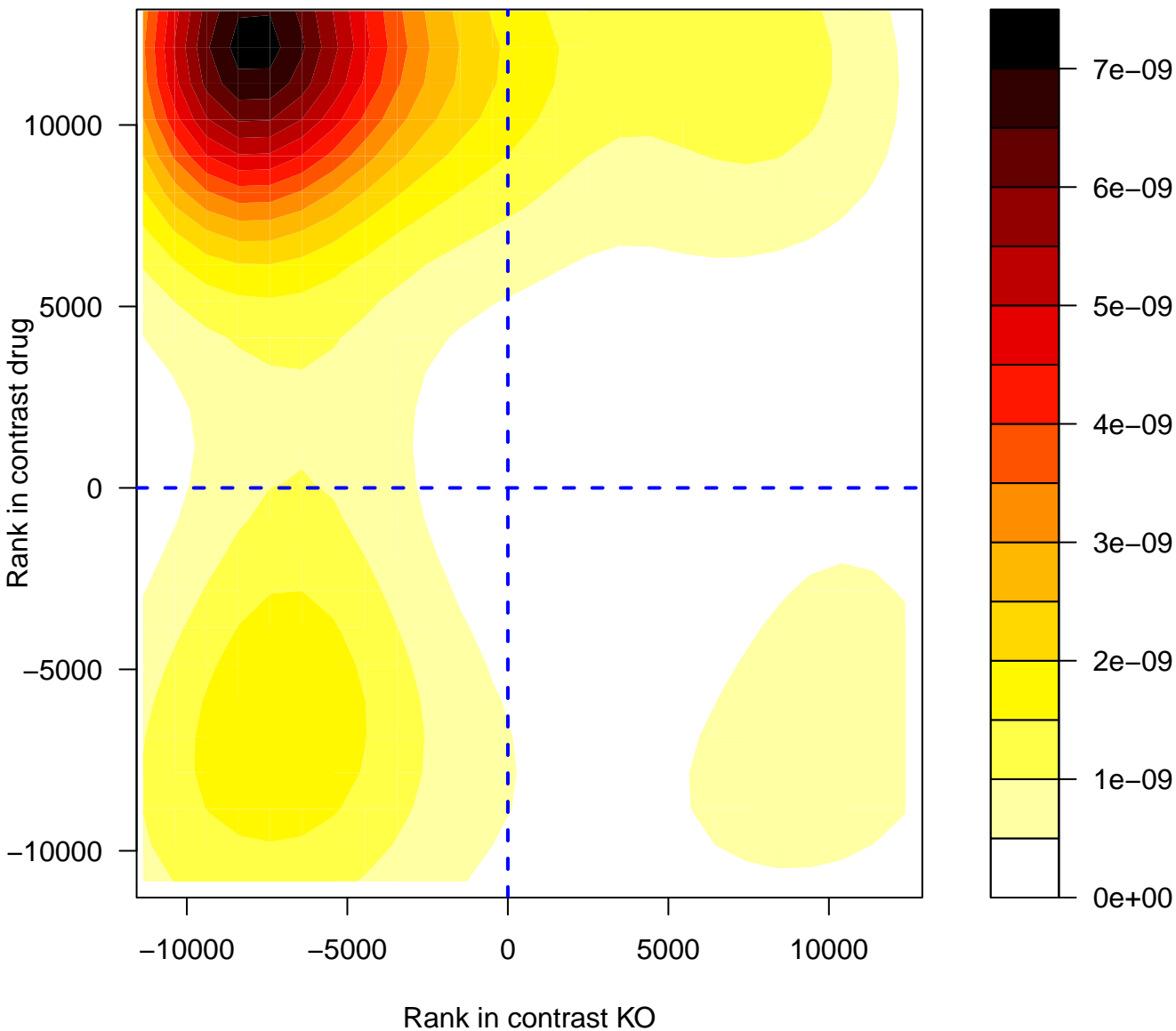
SLBP independent Processing of Histone Pre-mRNAs



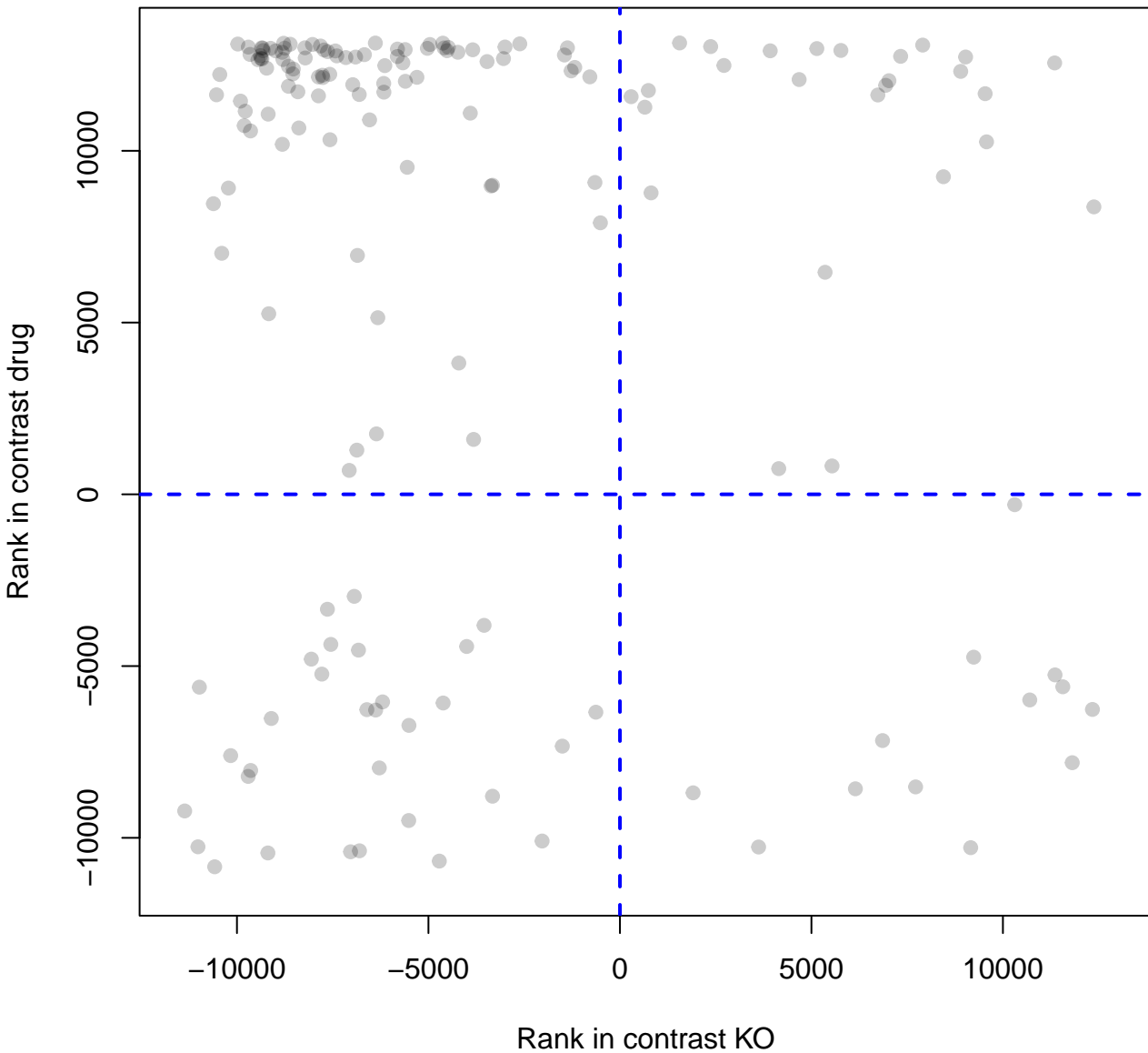
SLBP independent Processing of Histone Pre-m



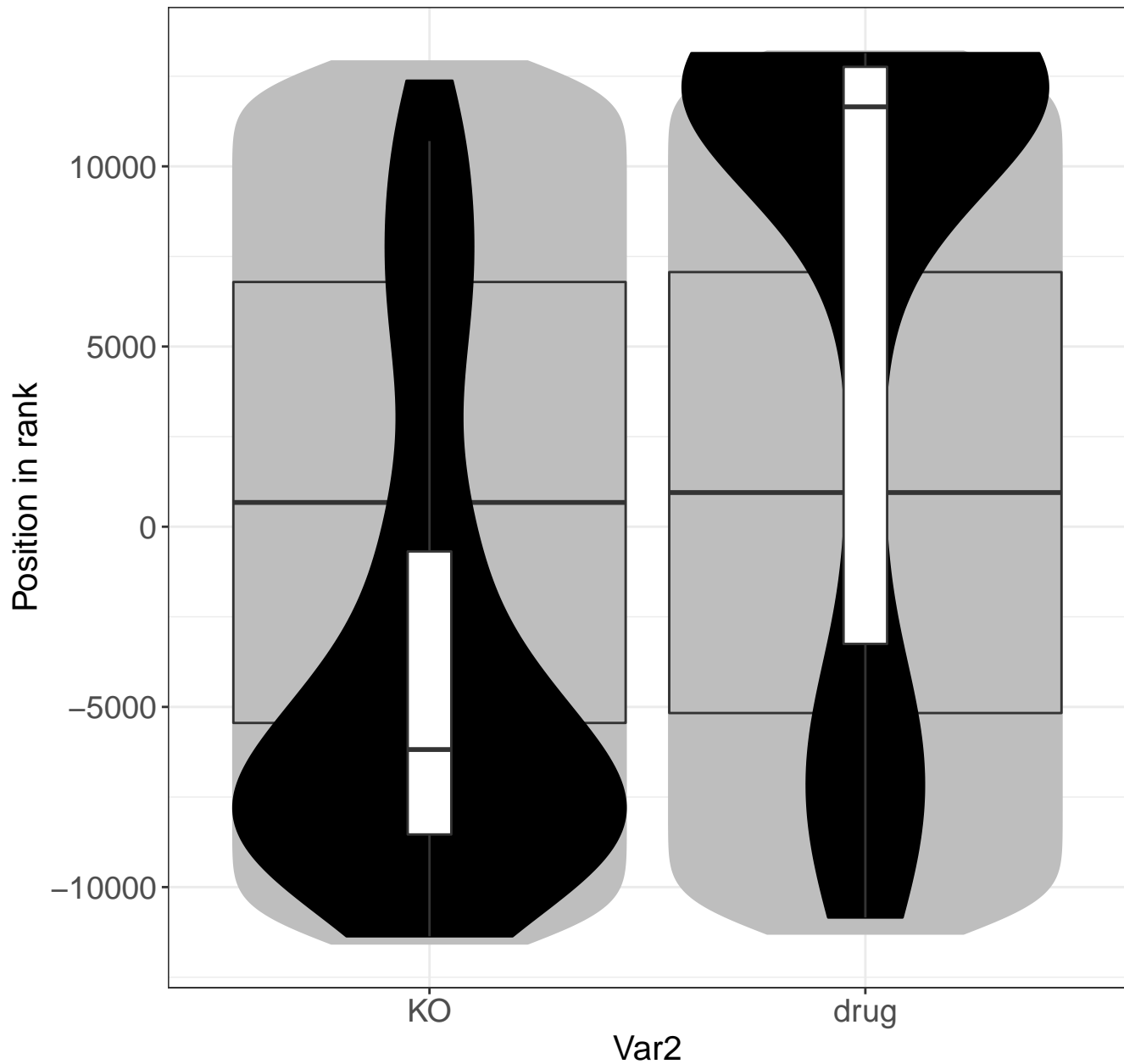
Regulation of expression of SLITs and ROBOs



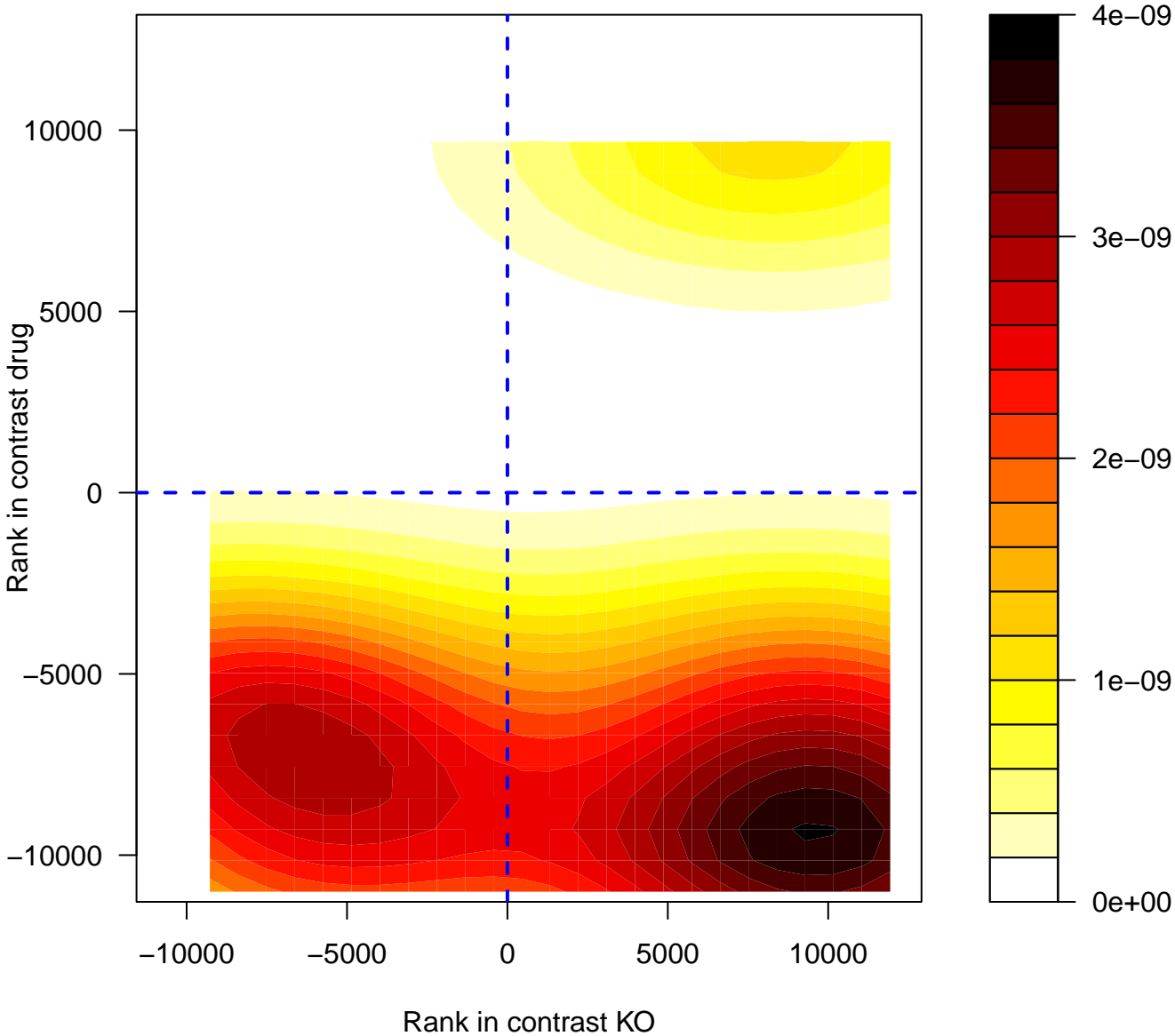
Regulation of expression of SLITs and ROBOs



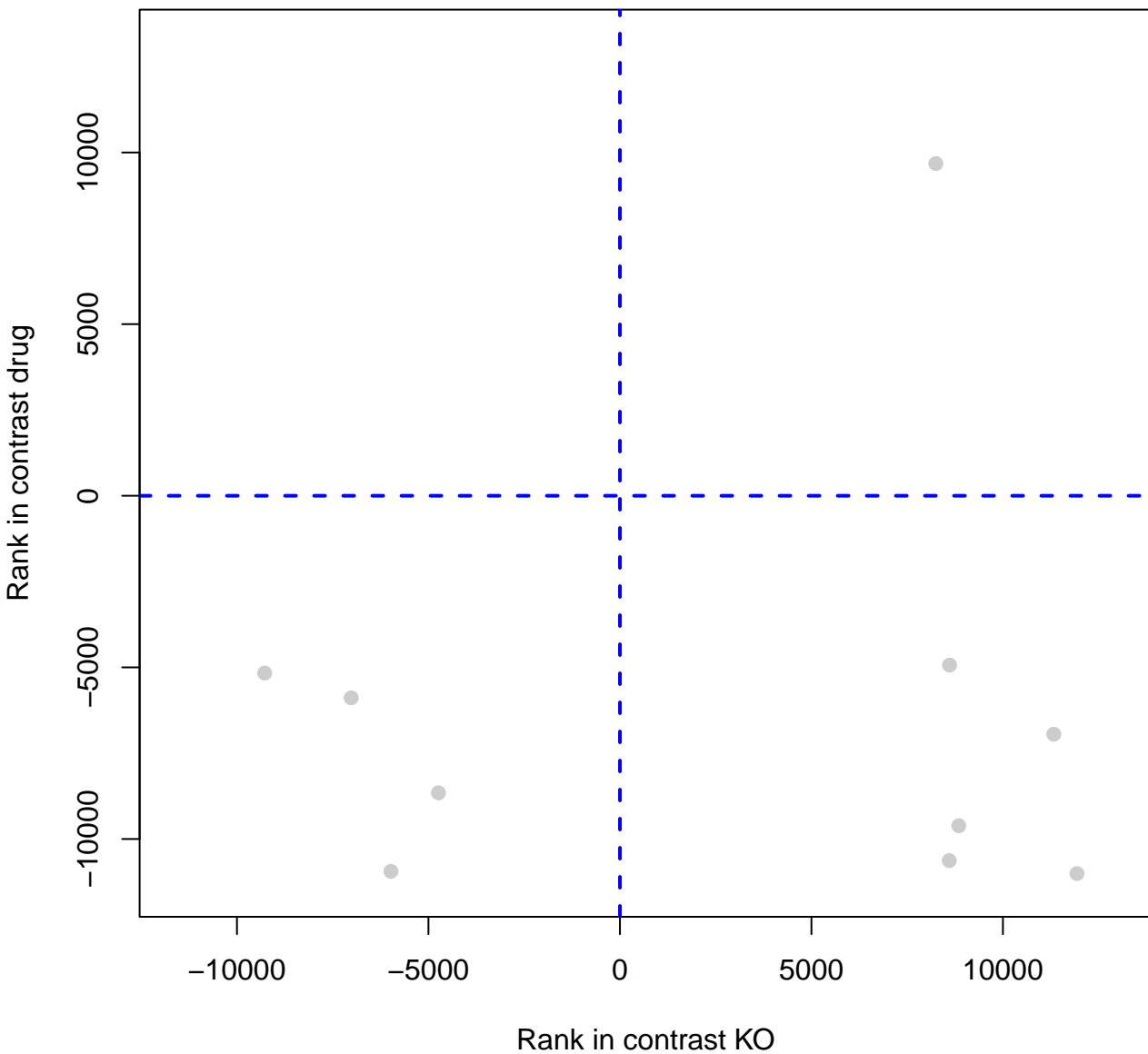
Regulation of expression of SLITs and ROBOs



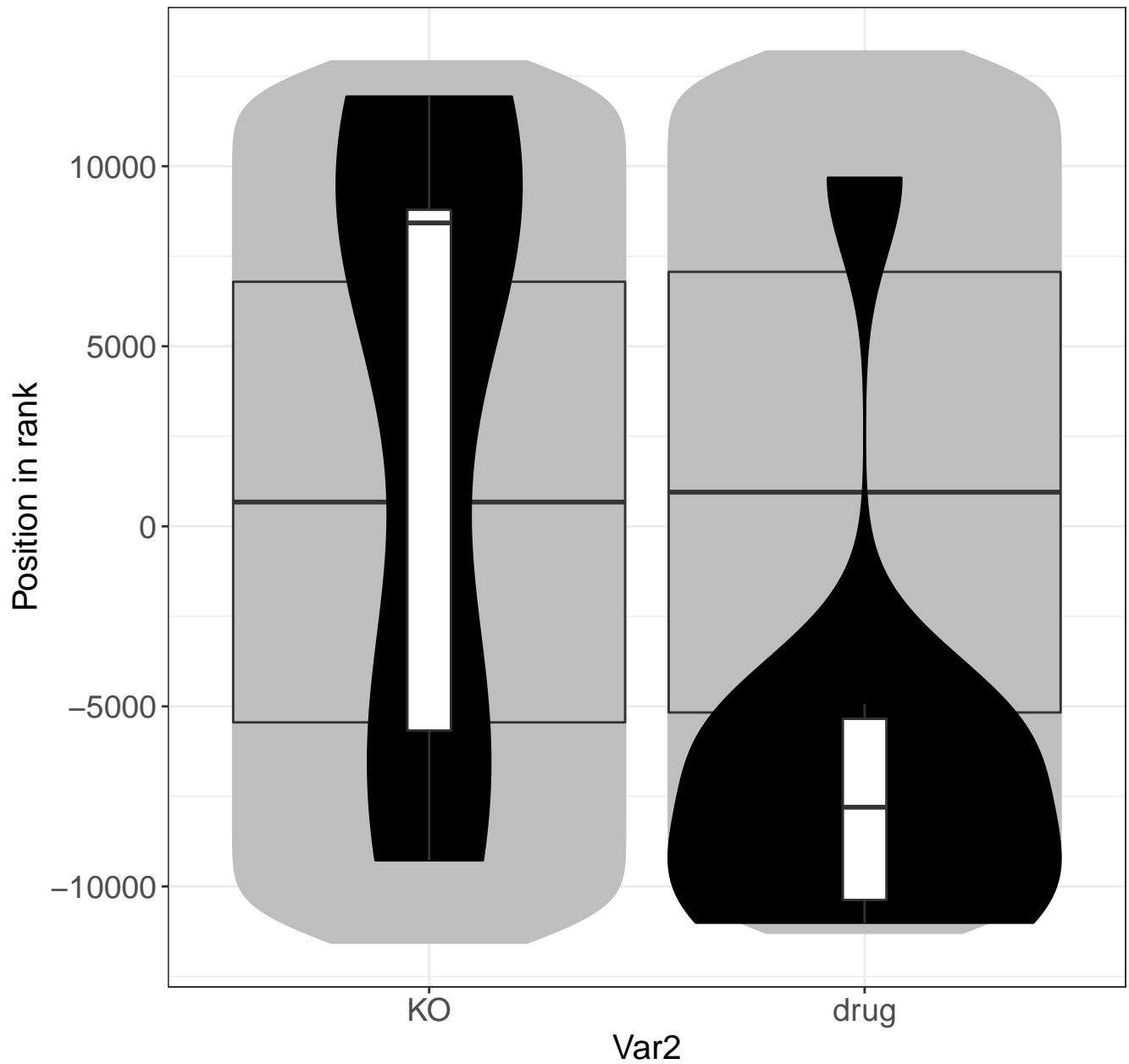
CREB1 phosphorylation through the activation of Adenylate C



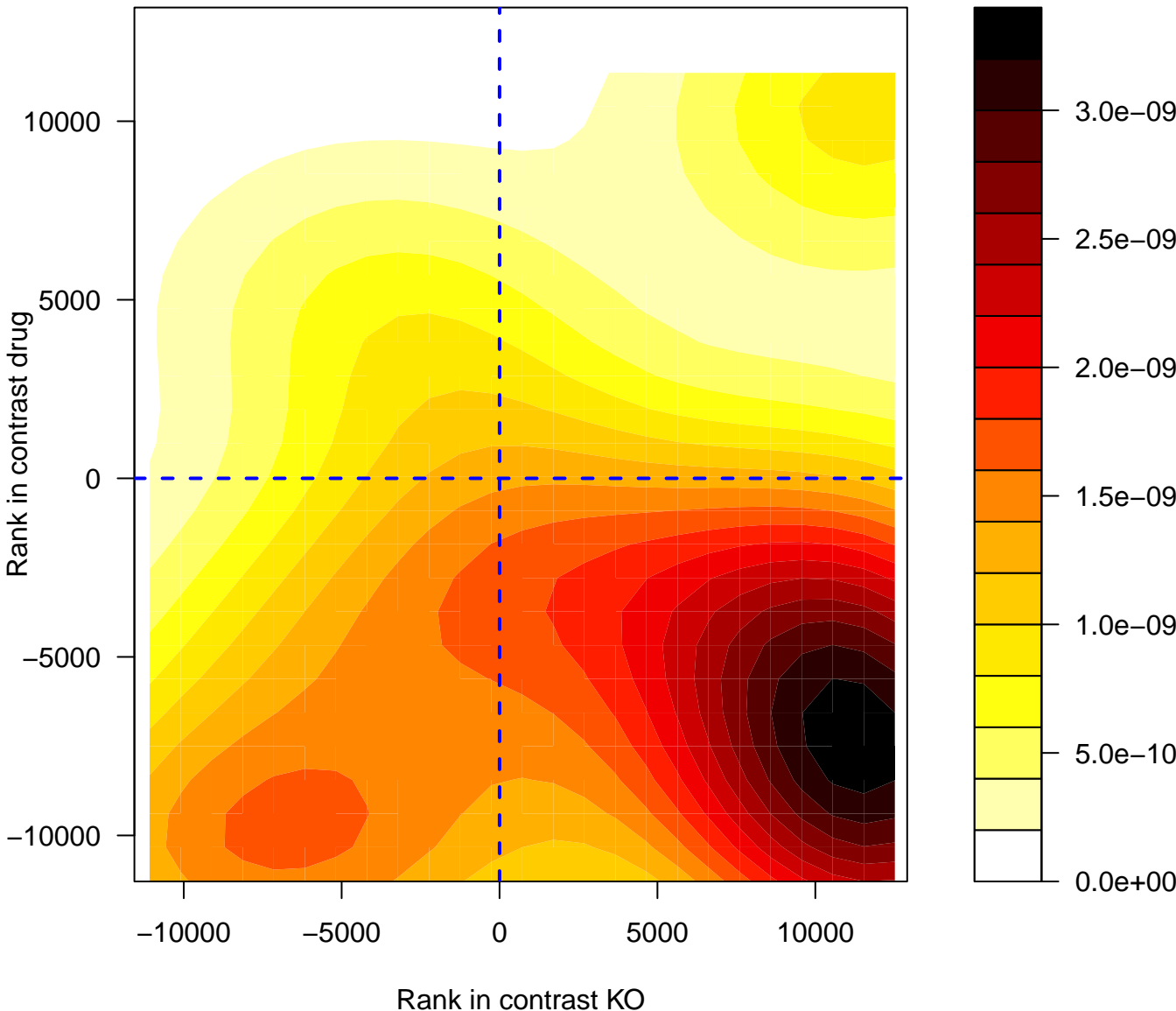
CREB1 phosphorylation through the activation of Adenylate Cyclase



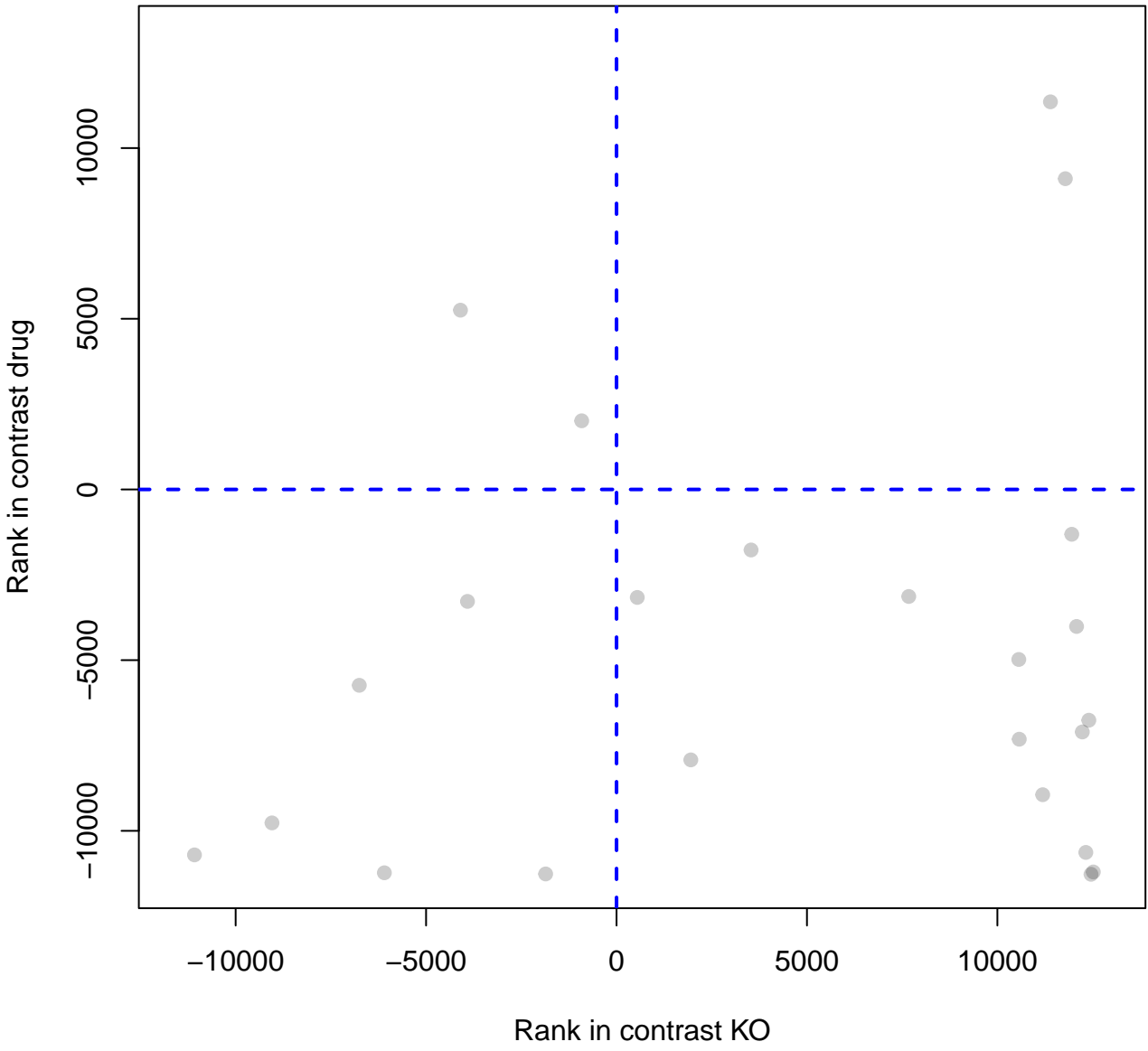
CREB1 phosphorylation through the activation of



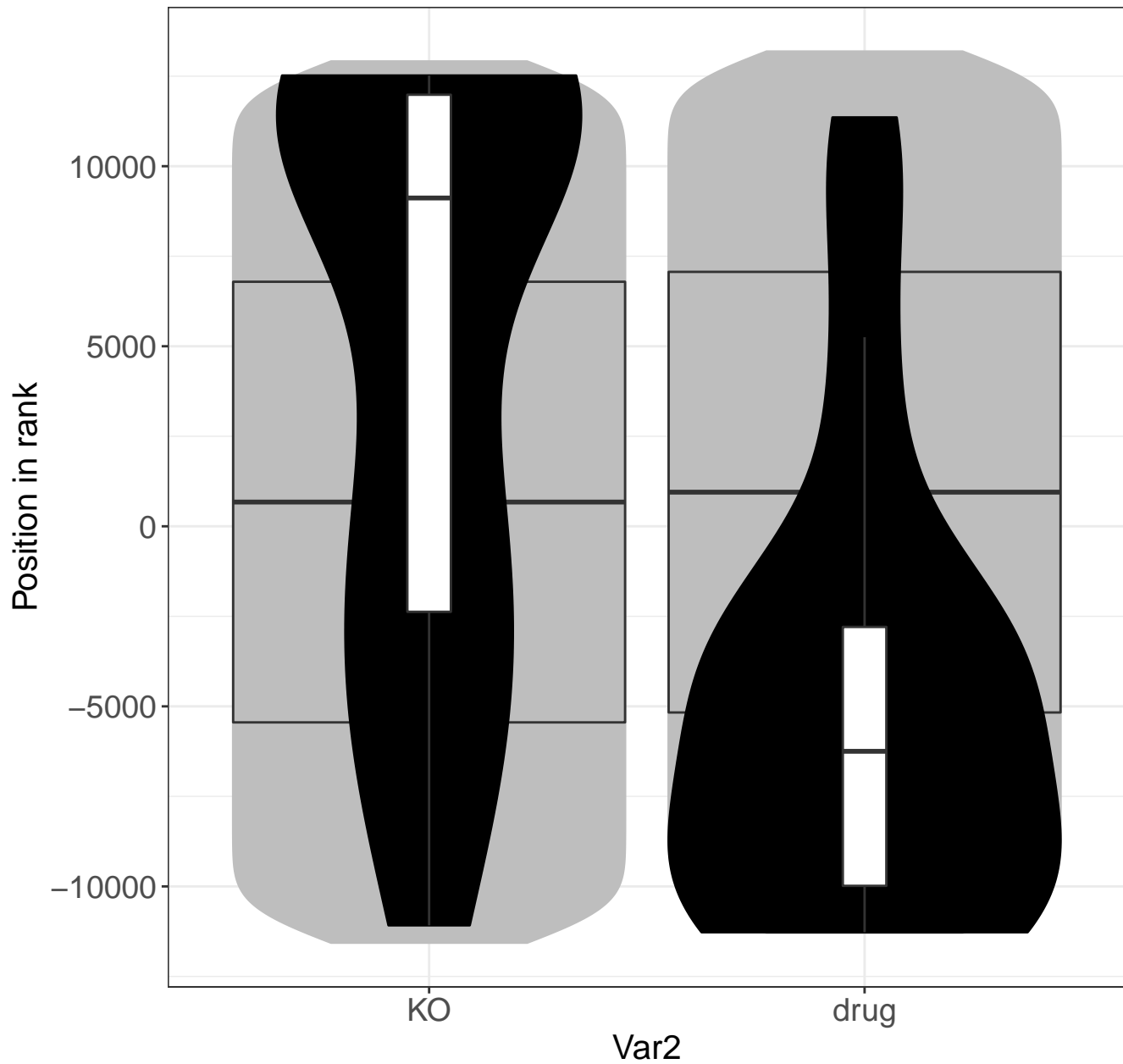
A tetrasaccharide linker sequence is required for GAG syntl



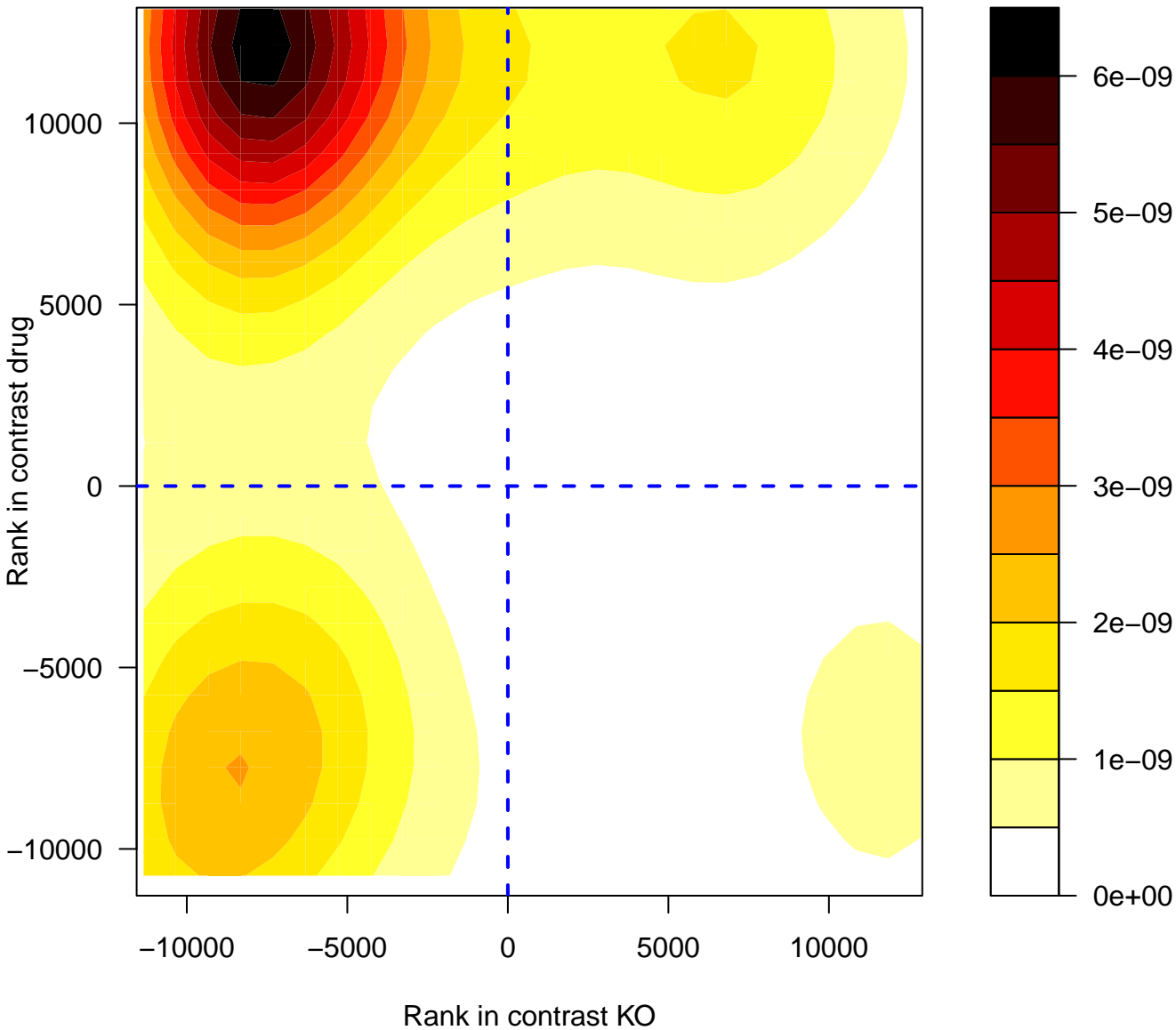
A tetrasaccharide linker sequence is required for GAG synthesis



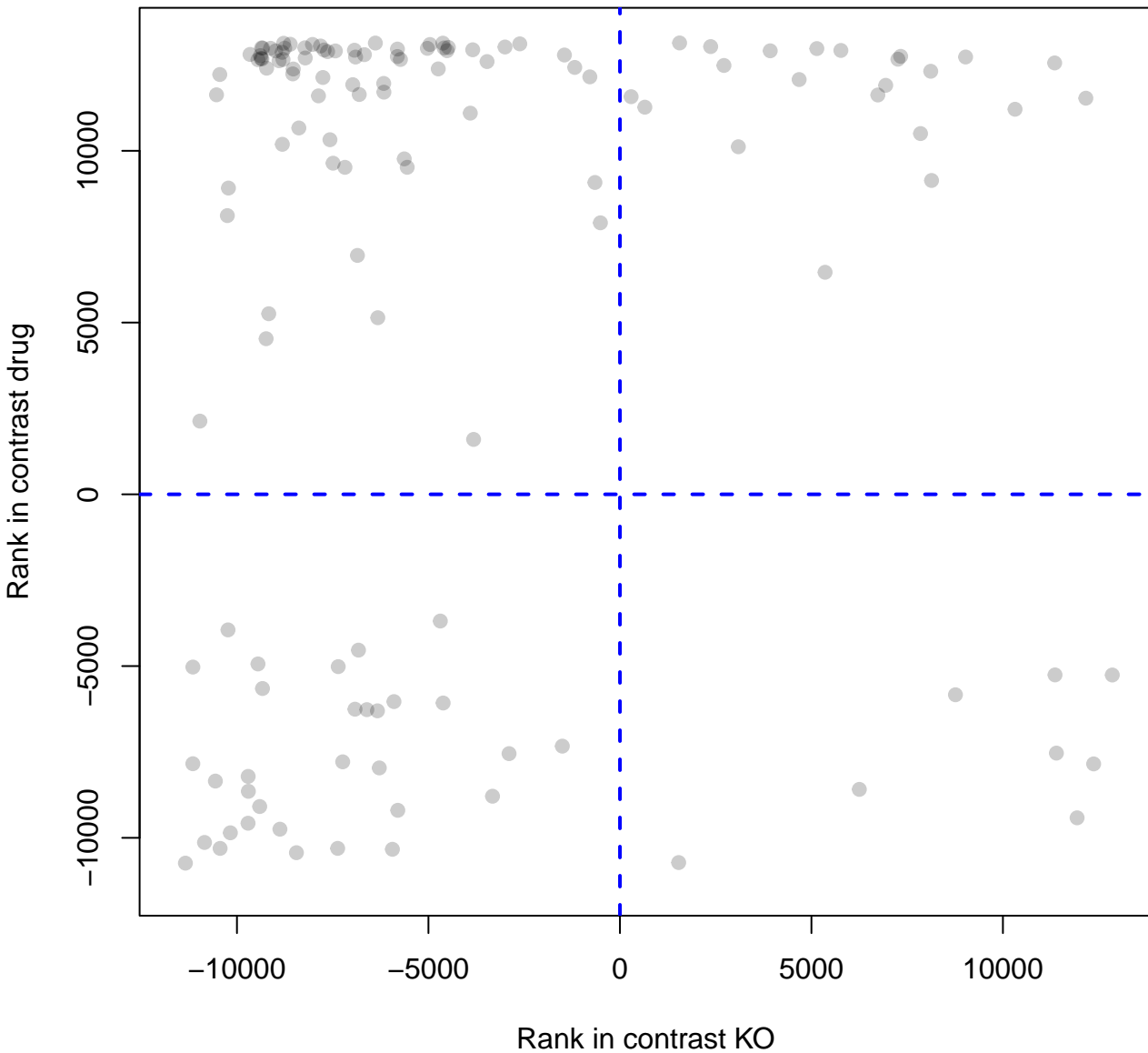
A tetrasaccharide linker sequence is required for



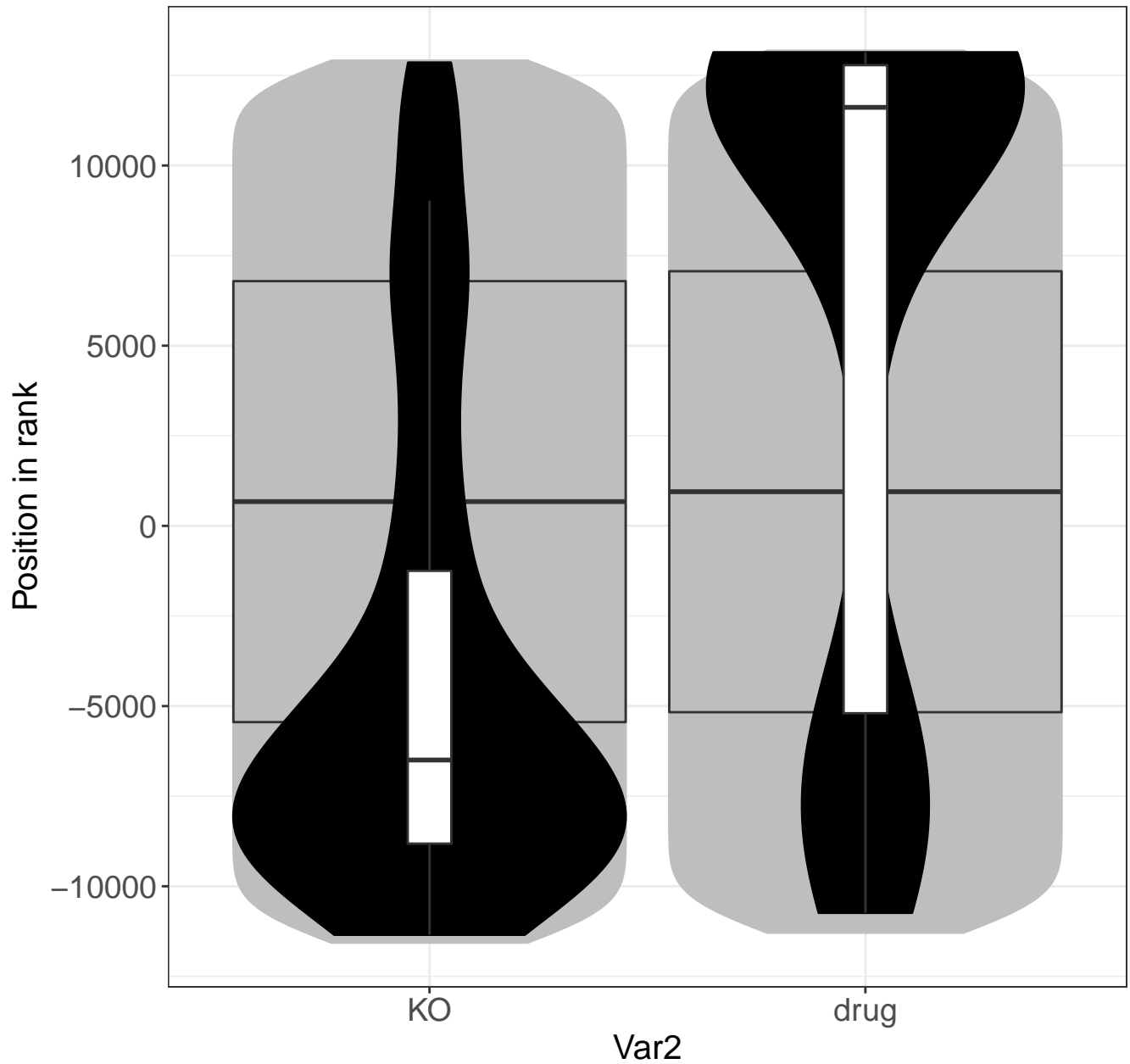
Influenza Viral RNA Transcription and Replication



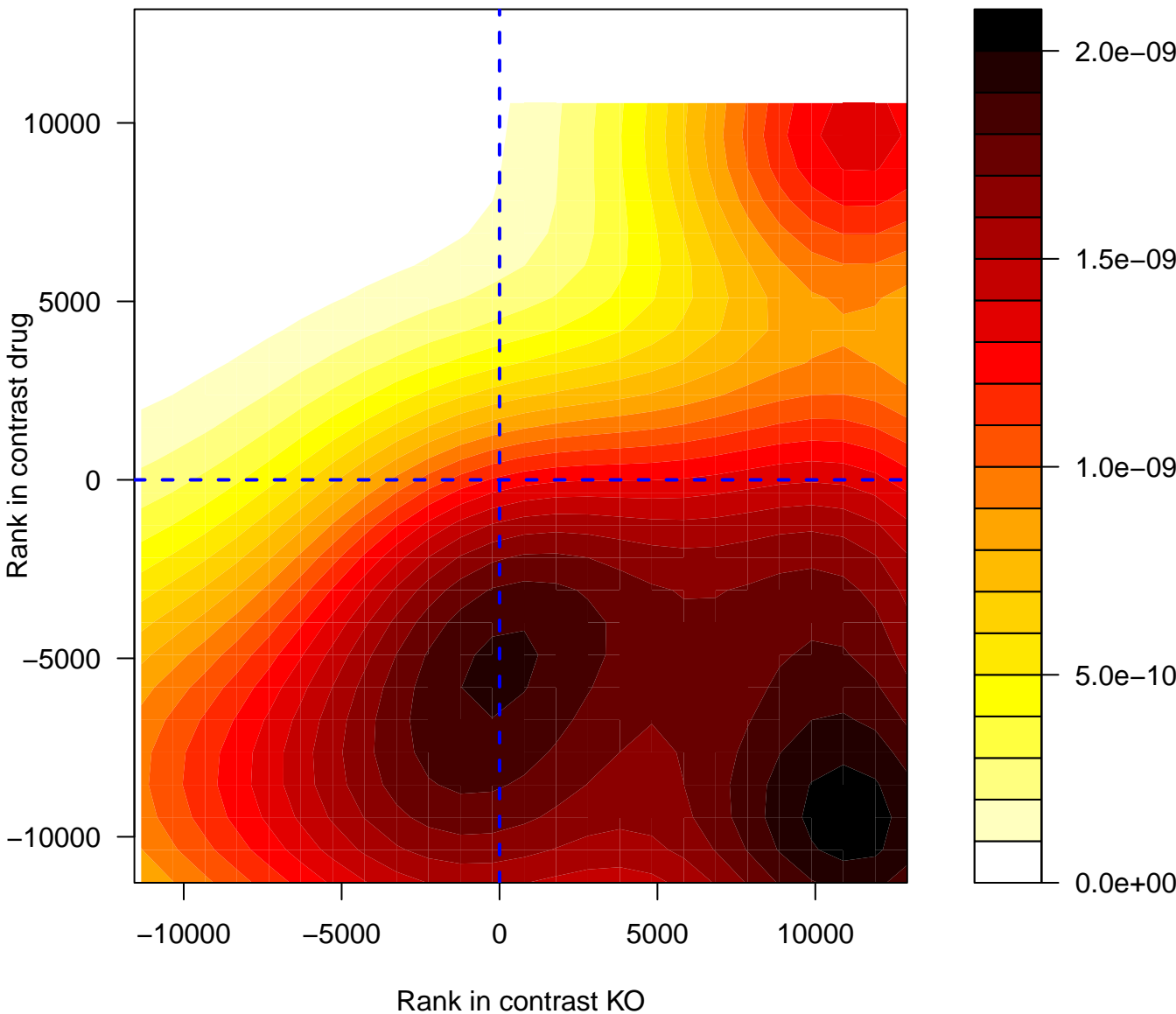
Influenza Viral RNA Transcription and Replication



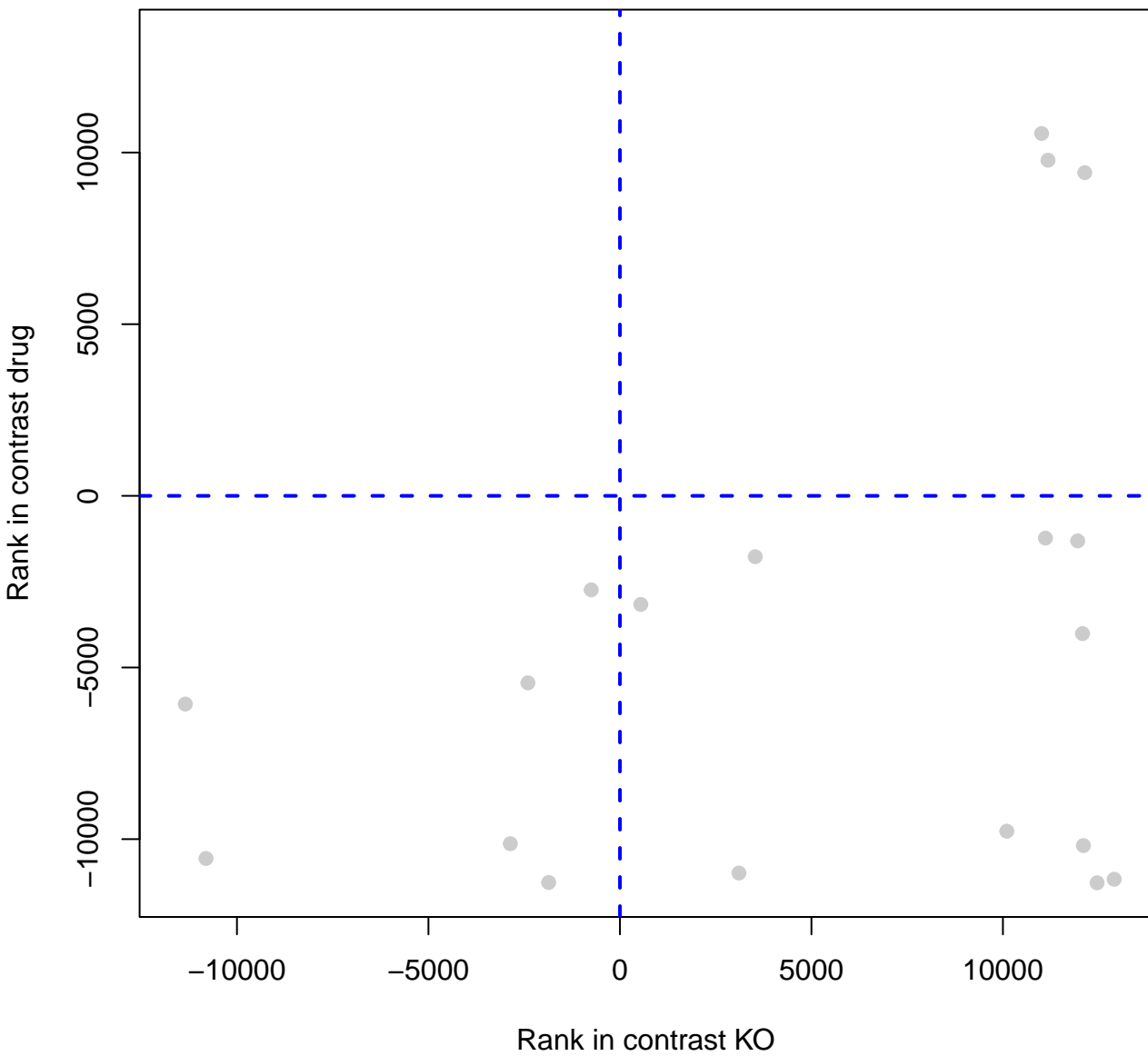
Influenza Viral RNA Transcription and Replication



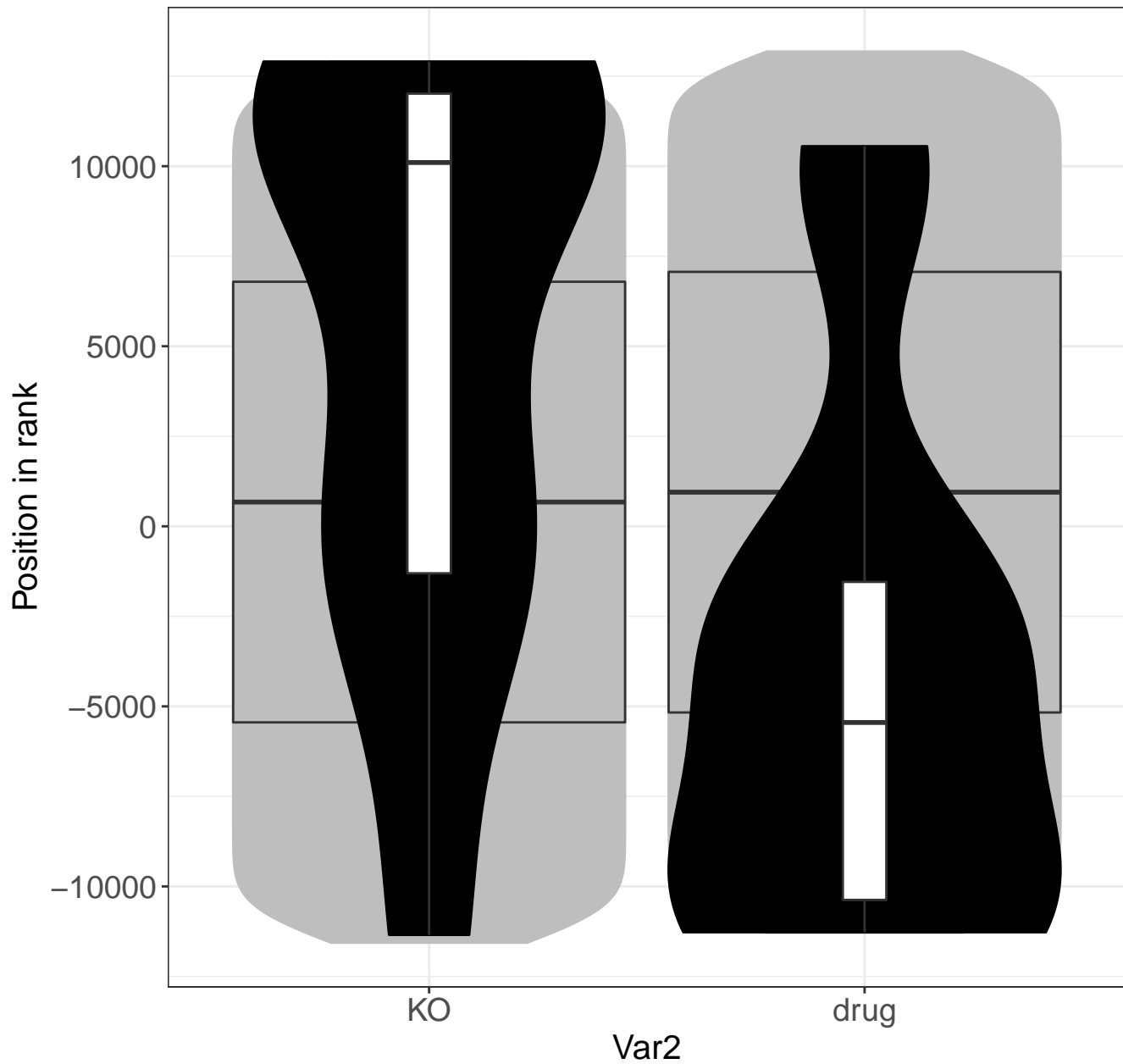
Chondroitin sulfate biosynthesis



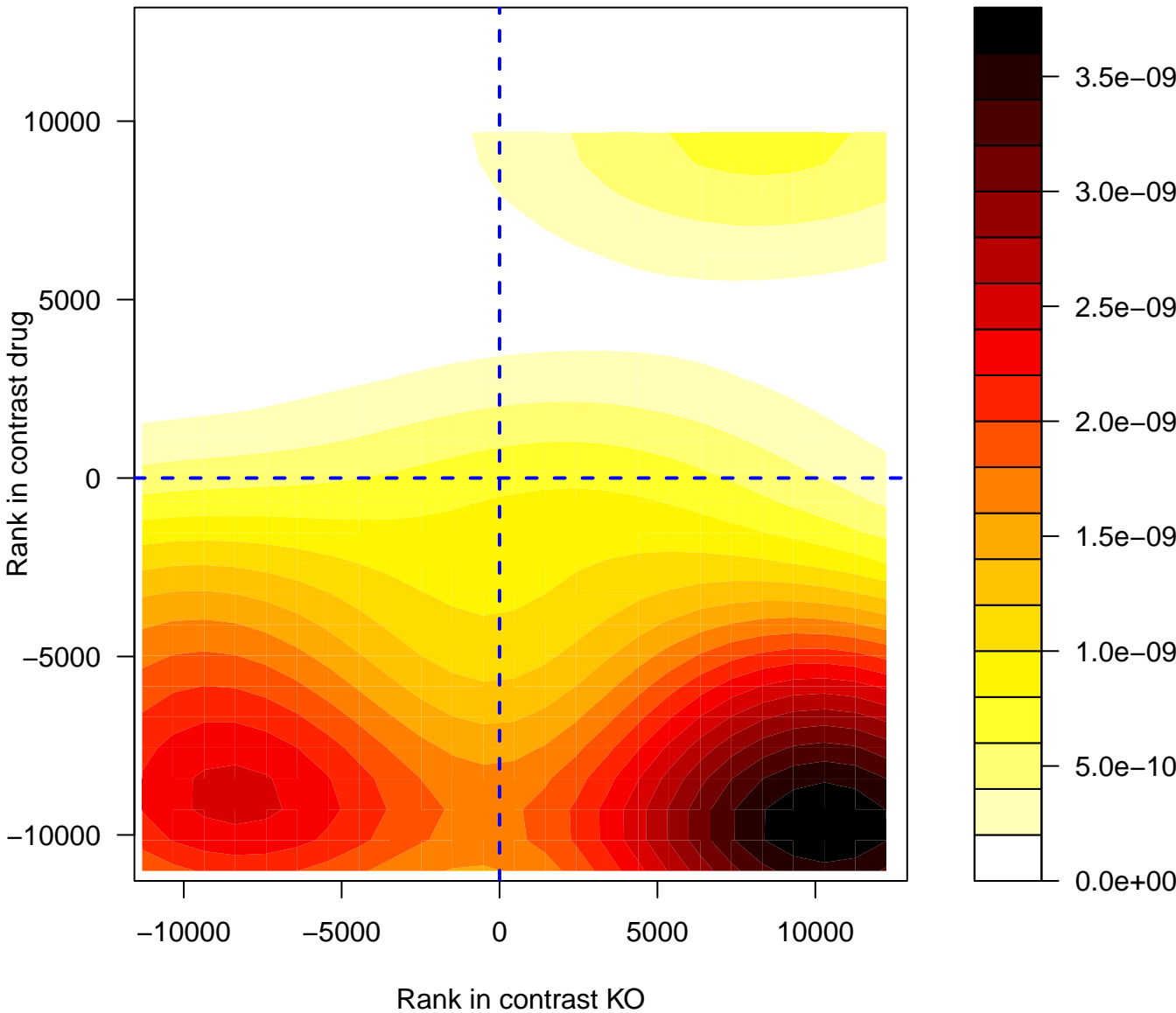
Chondroitin sulfate biosynthesis



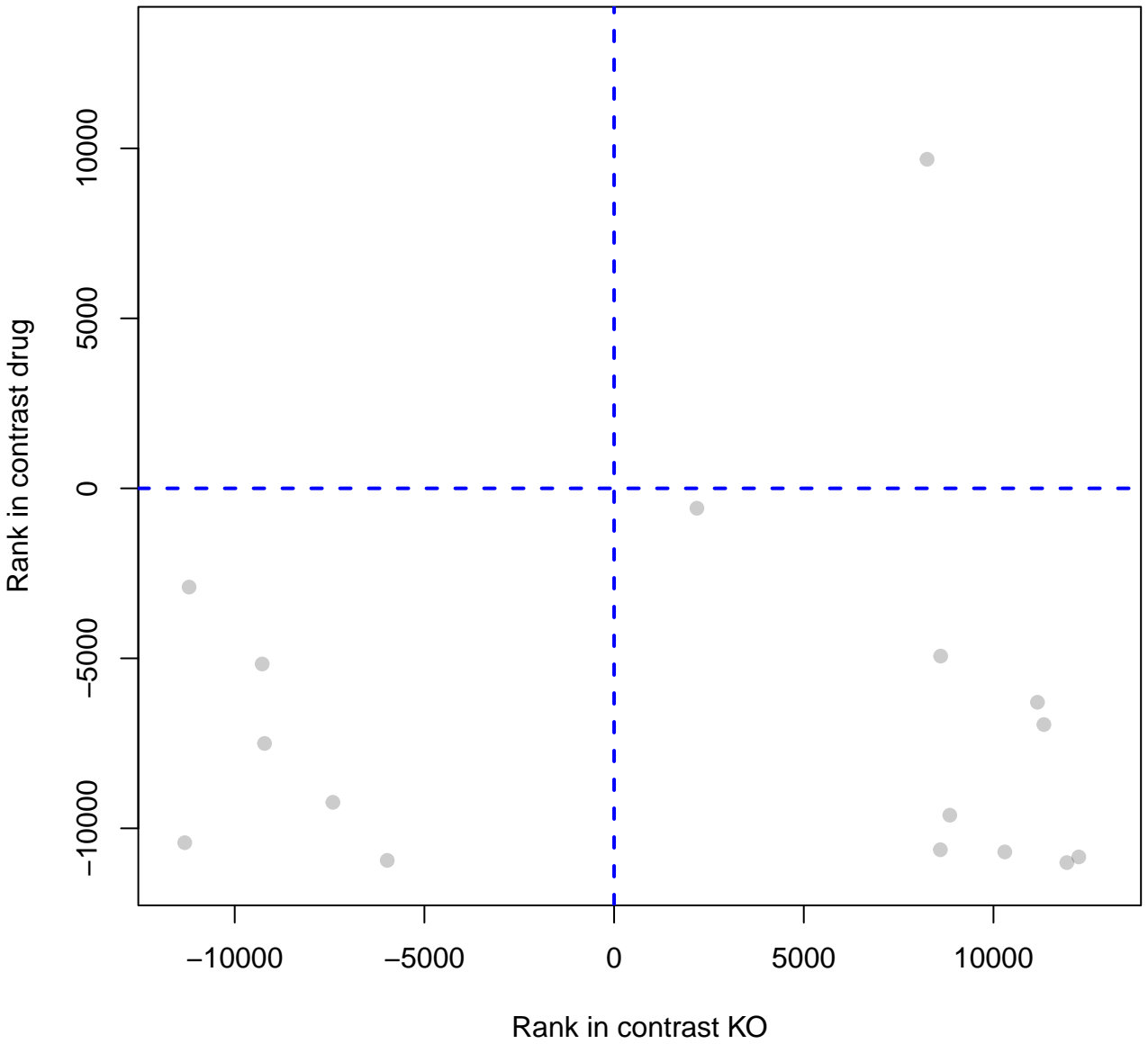
Chondroitin sulfate biosynthesis



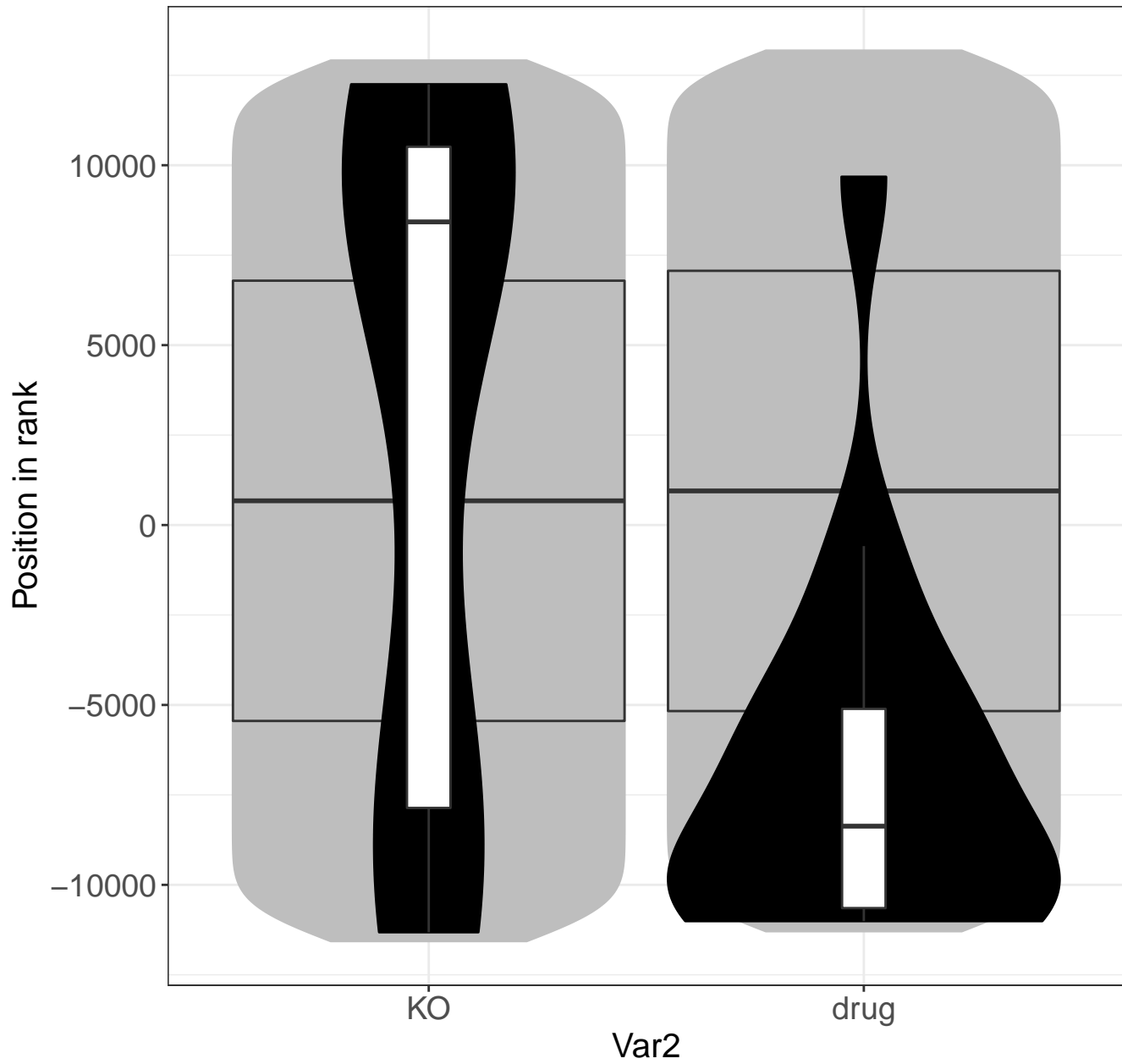
PKA activation



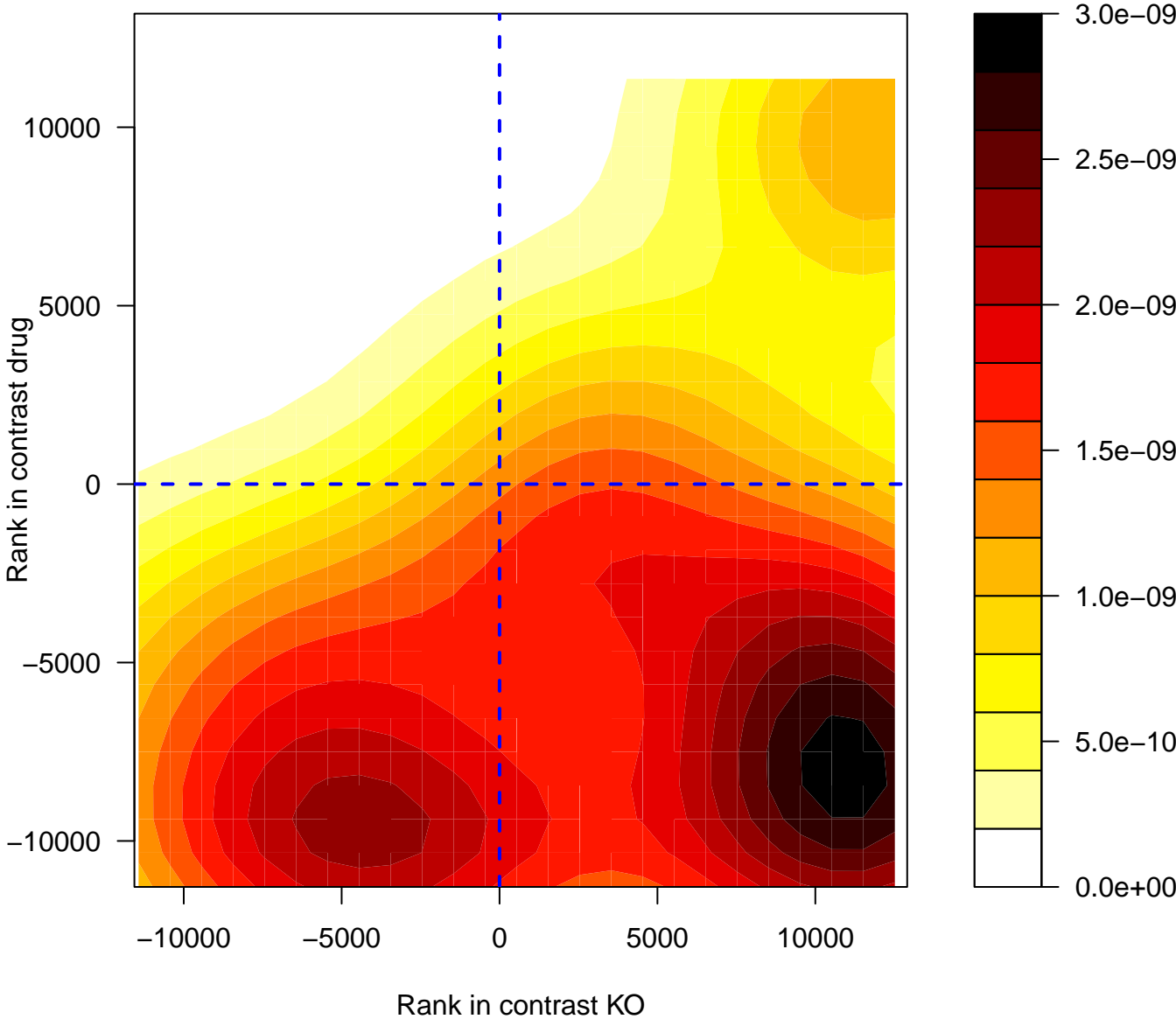
PKA activation



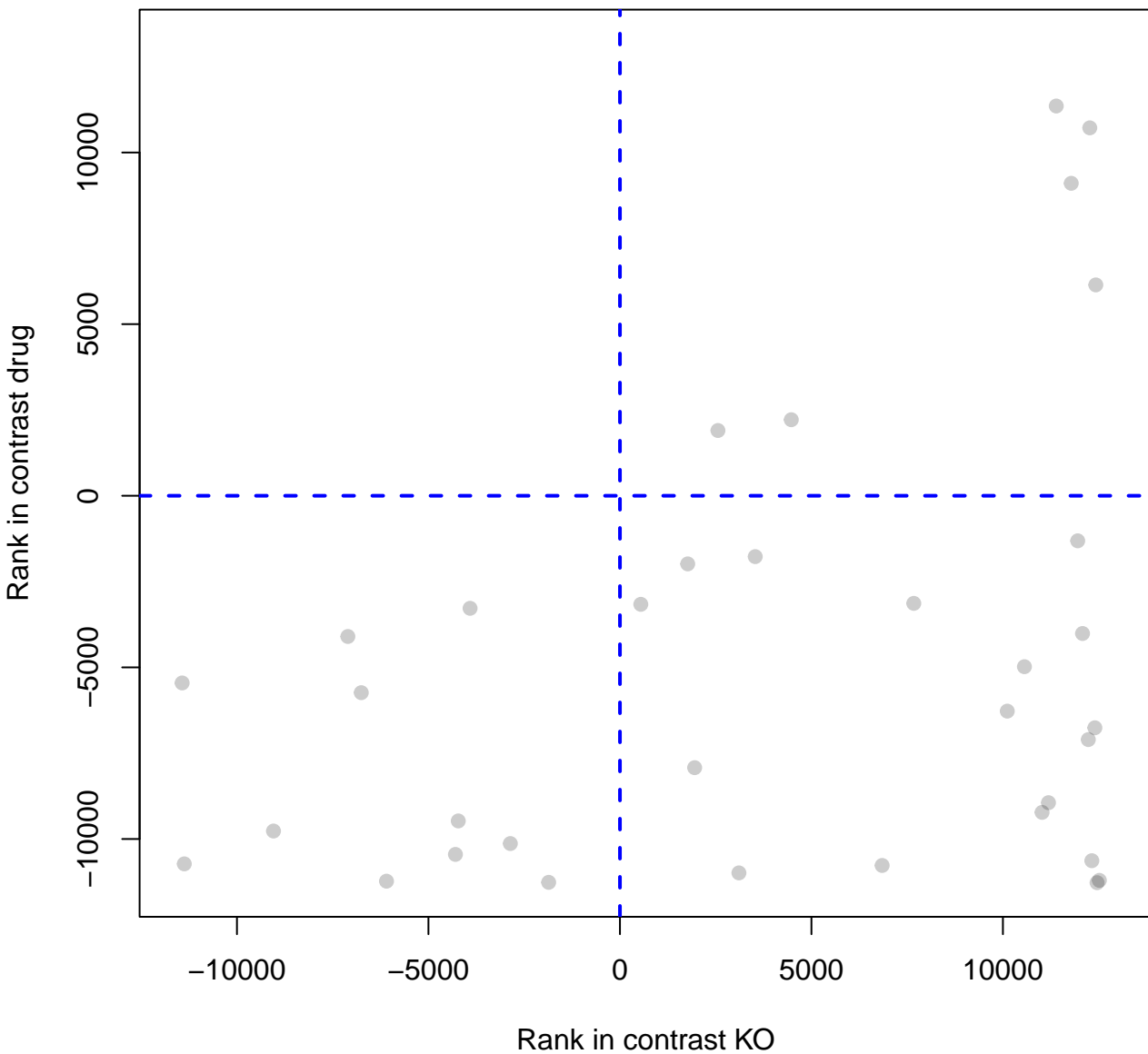
PKA activation



Diseases associated with glycosaminoglycan metabolis



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