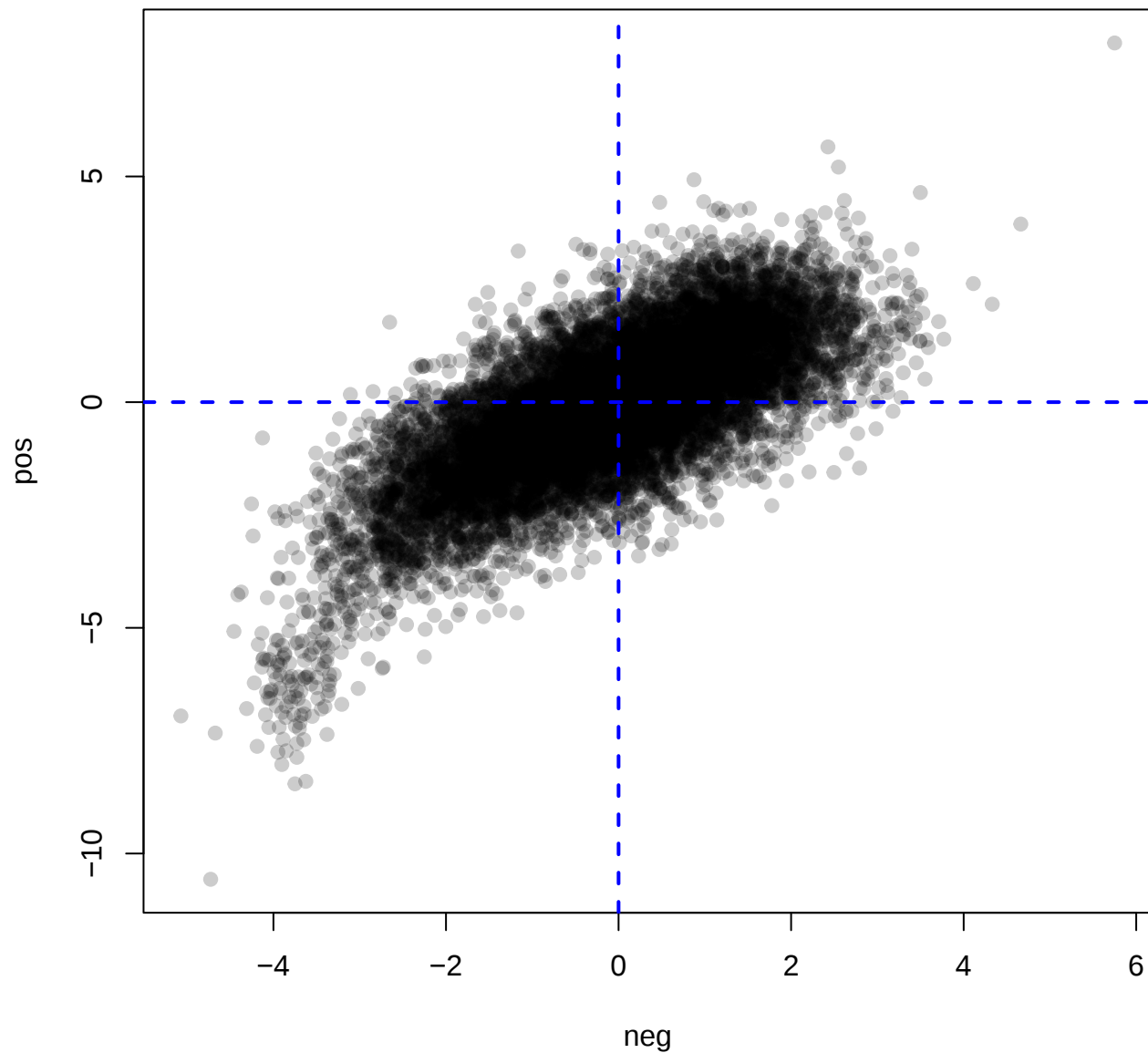
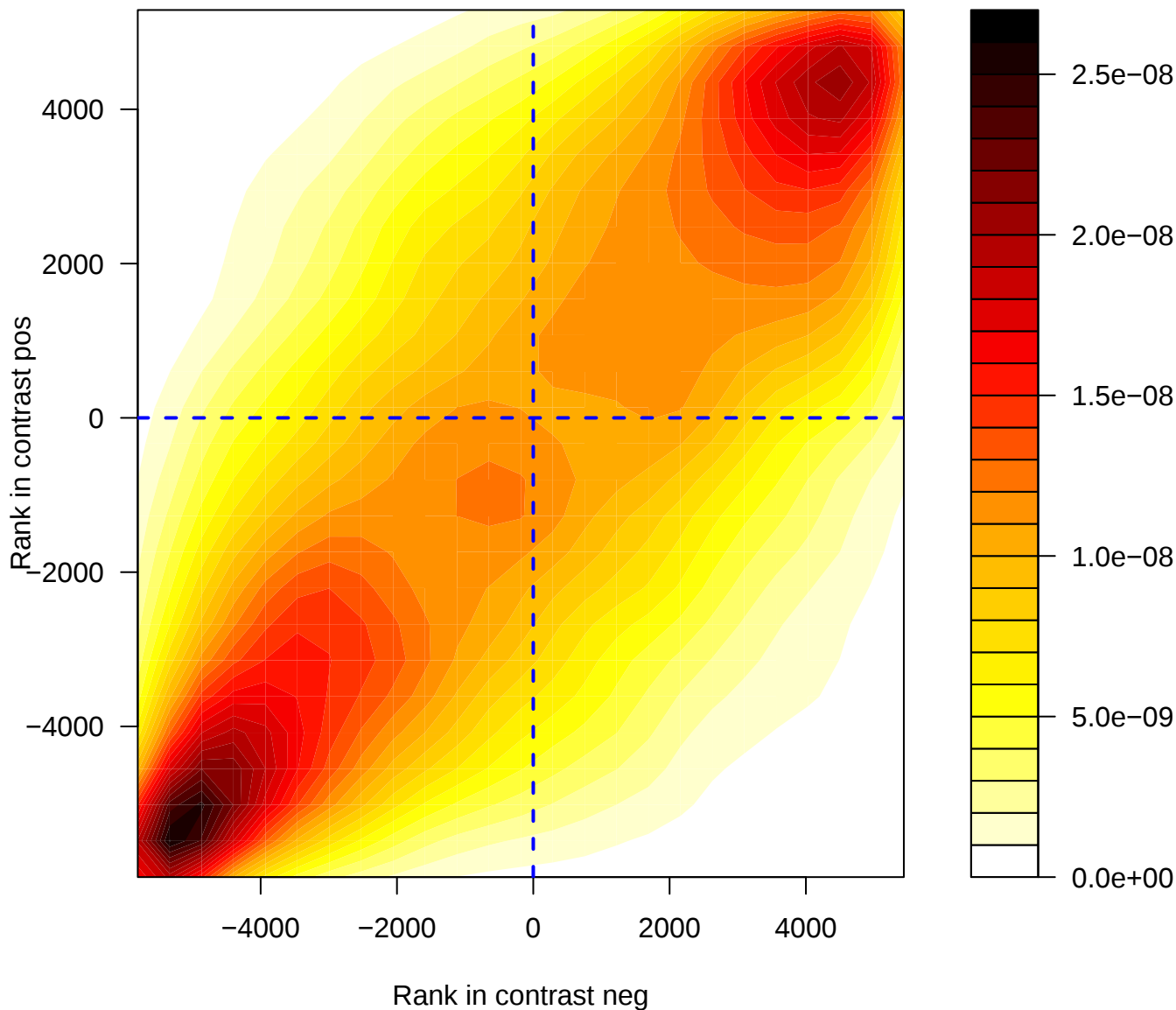


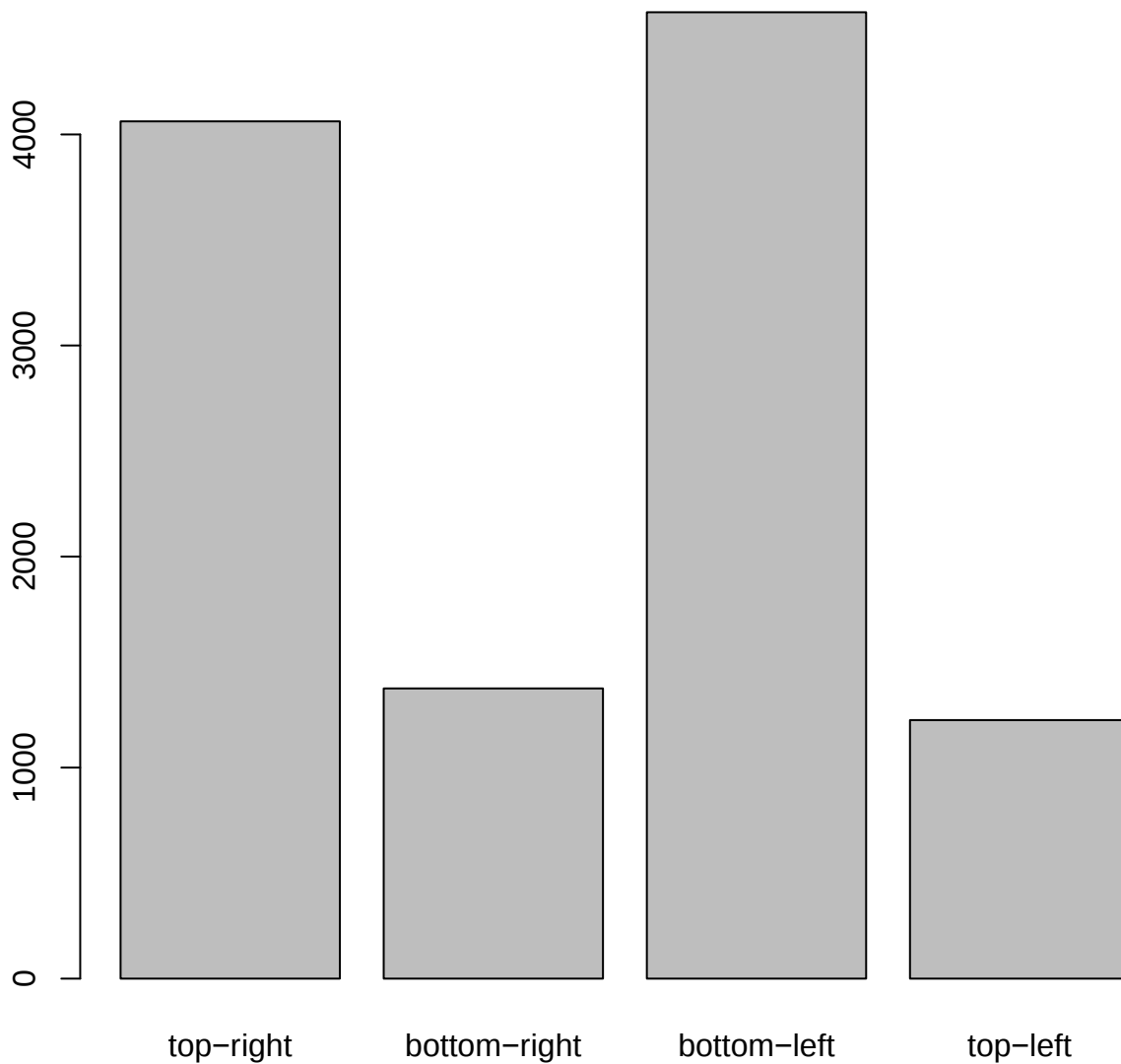
Scatterplot of all genes



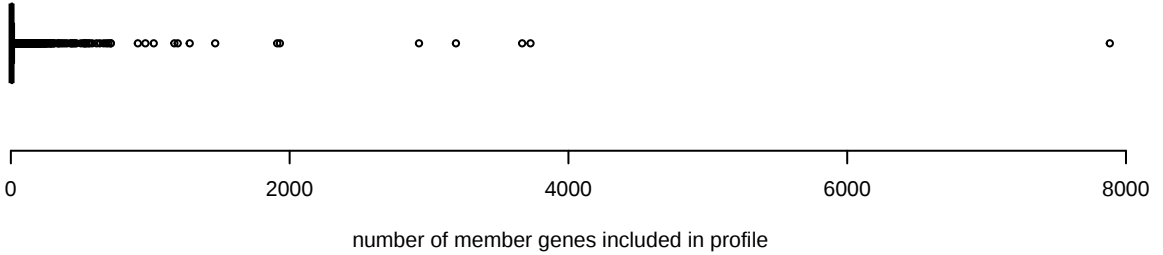
Rank–rank plot of all genes



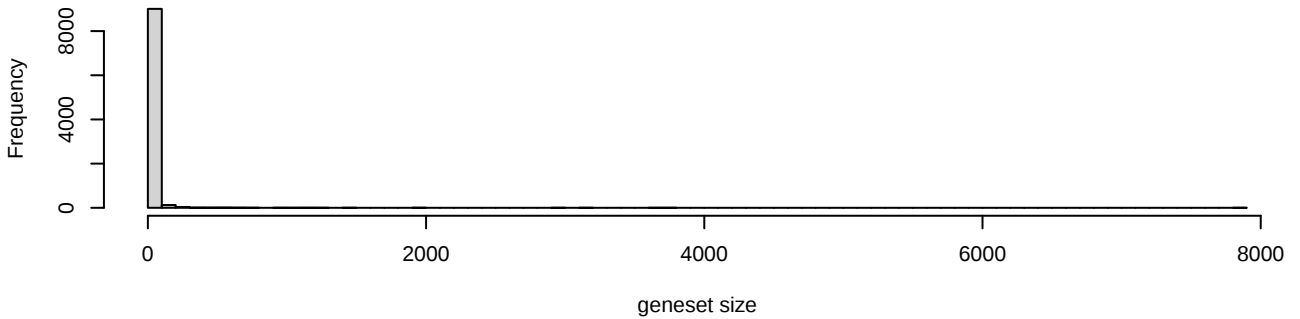
number of genes in each quadrant



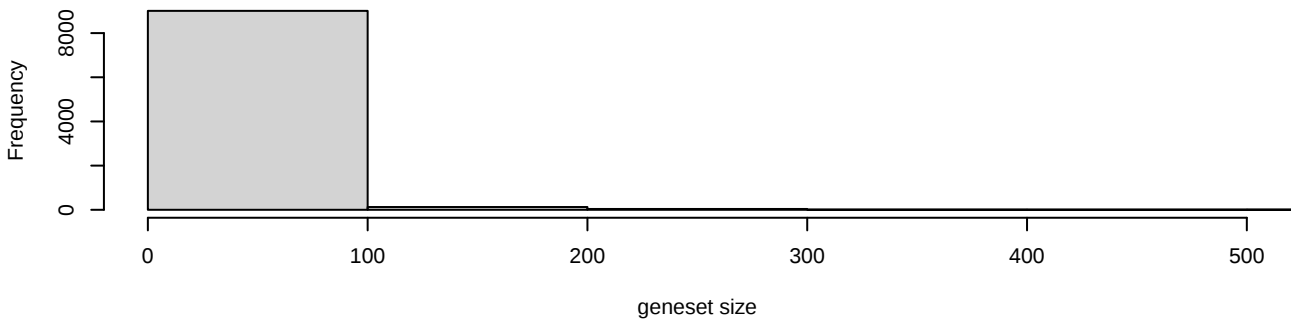
Gene set size



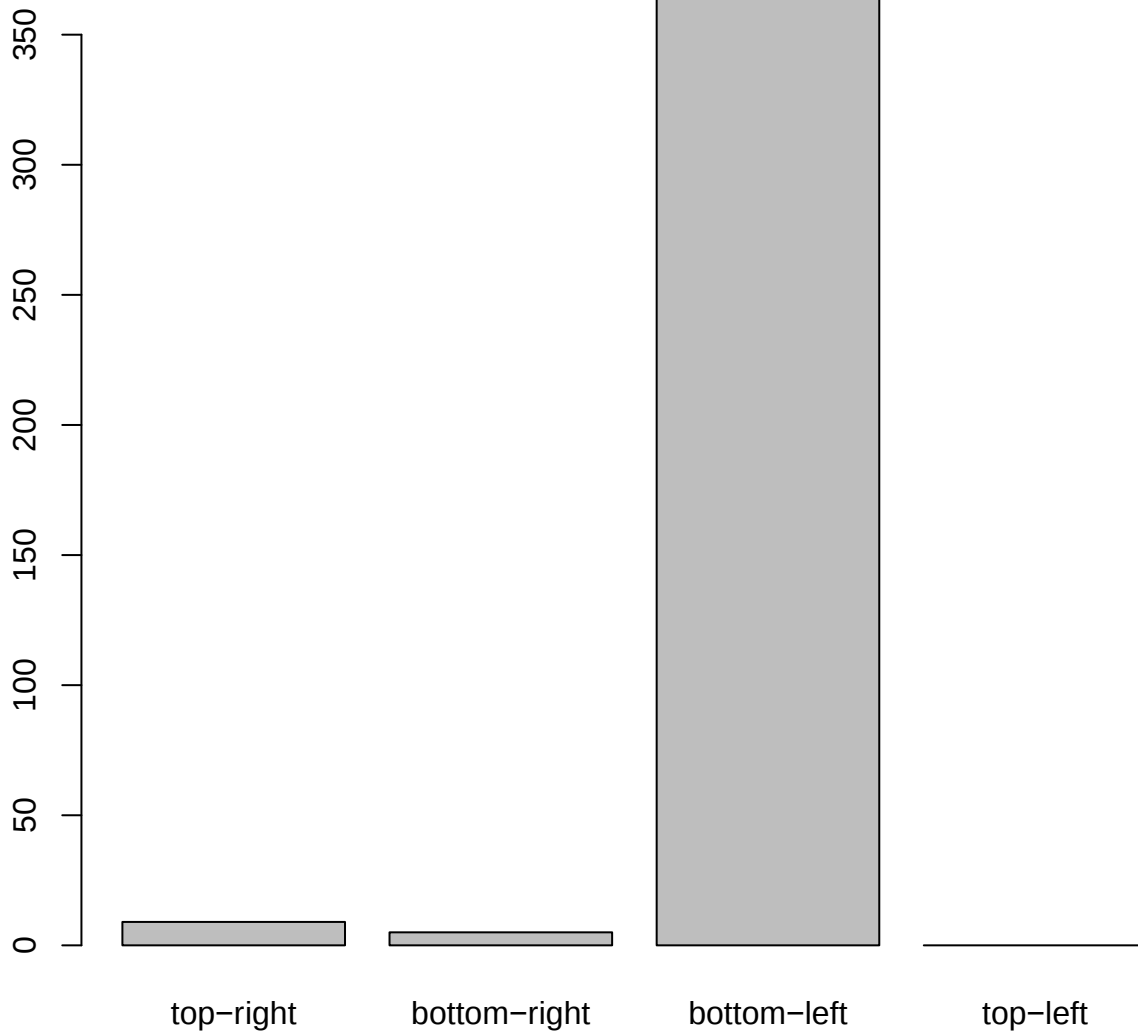
Histogram of geneset size



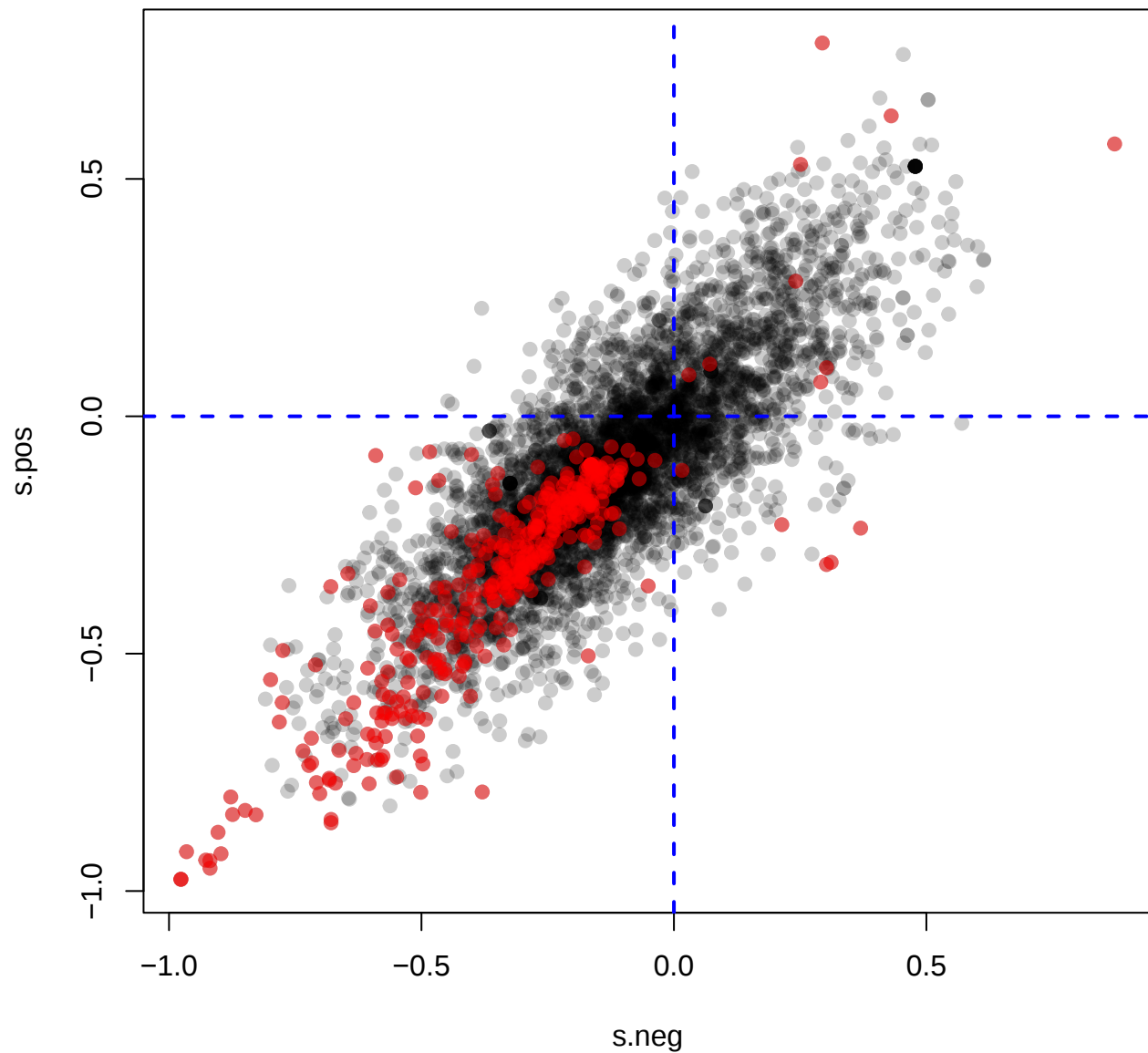
Trimmed histogram of geneset size



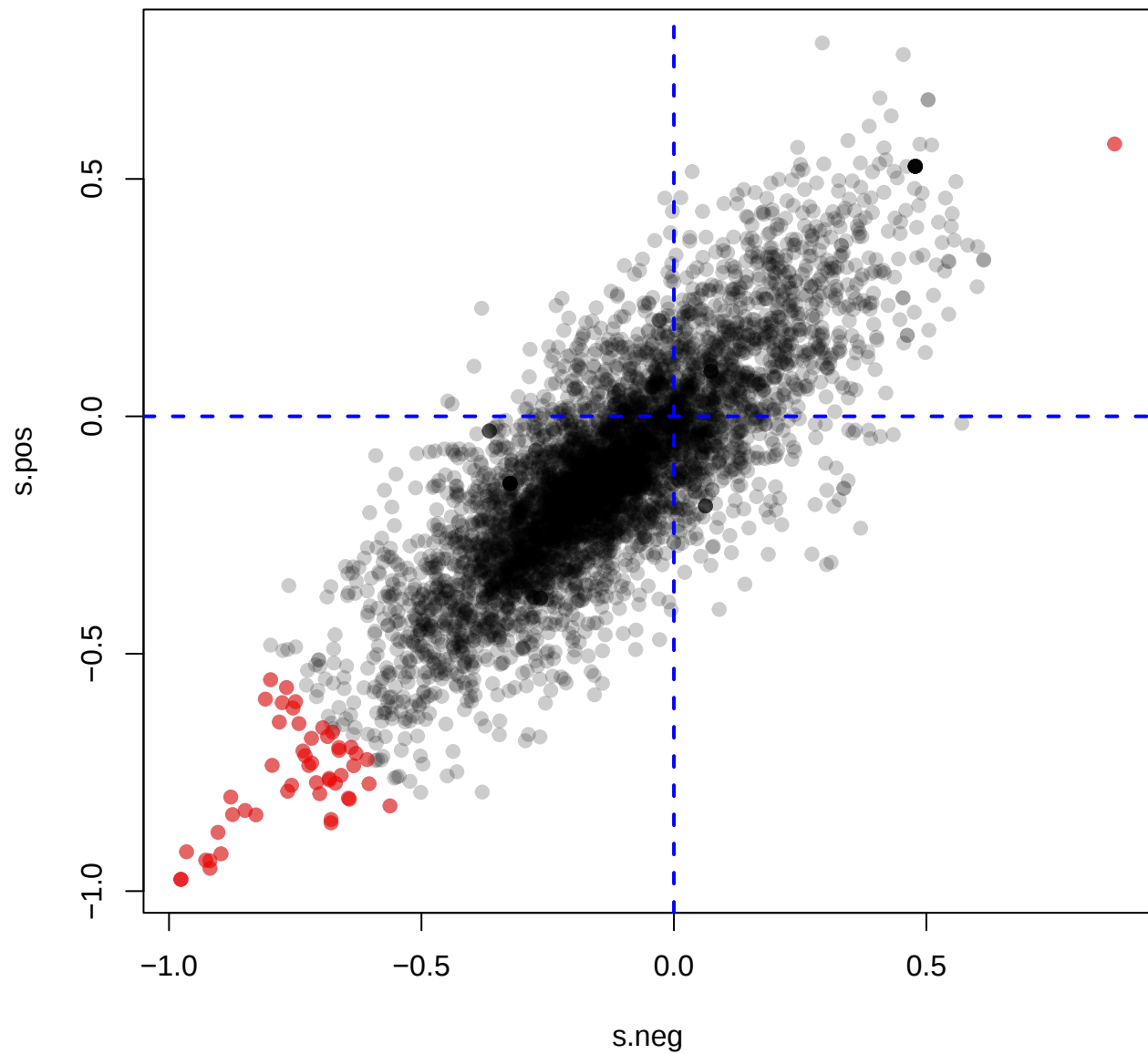
number of genesets FDR<0.05



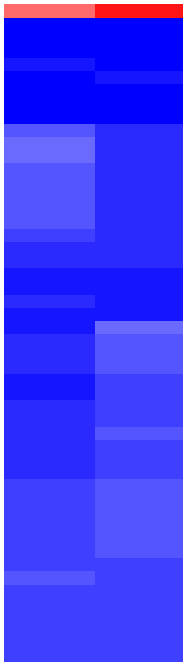
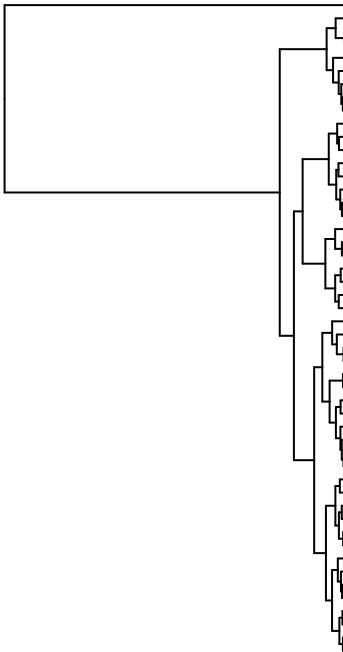
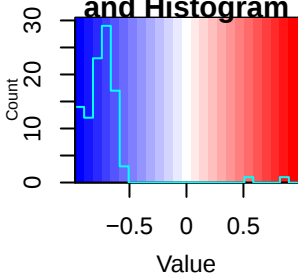
Scatterplot of all gene sets; FDR<0.05 in red



Scatterplot of all gene sets; top 50 in red



Color Key
and Histogram

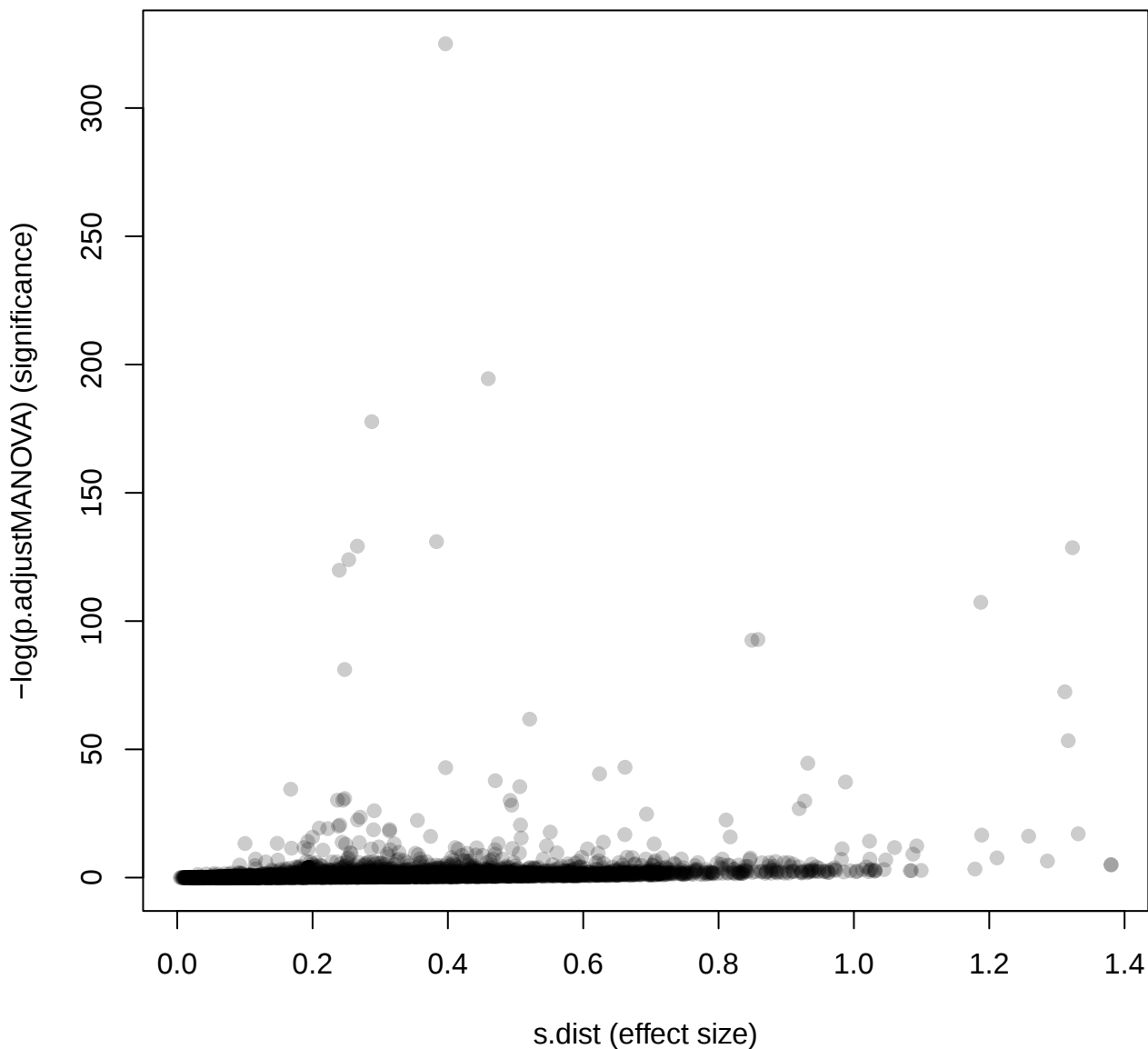


pos

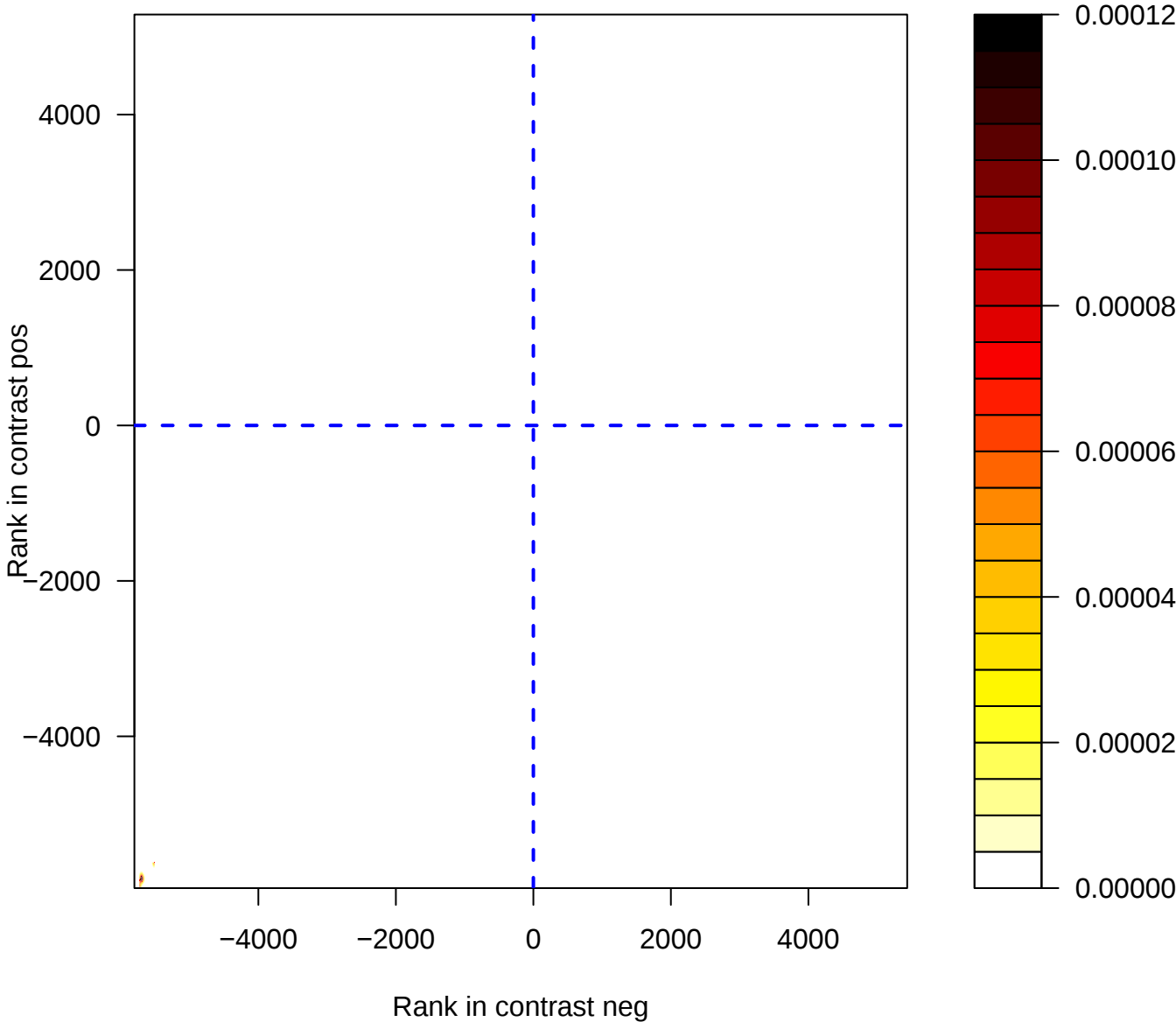
neg

- GO:0015935 small ribosomal subunit
- GO:0002476 antigen processing and presentation of endogenous peptide antigen
- GO:0042612 MHC class I protein complex
- GO:0022625 cytosolic large ribosomal subunit
- GO:0120183 positive regulation of focal adhesion disassembly
- GO:0030911 TPR domain binding
- GO:0097720 calcineurin-mediated signaling
- GO:1901844 regulation of cell communication by electrical coupling involved in ca
- GO:0030098 lymphocyte differentiation
- GO:0005787 signal peptidase complex
- GO:0022626 cytosolic ribosome
- GO:0005885 Arp2/3 protein complex
- GO:0006122 mitochondrial electron transport, ubiquinol to cytochrome c
- GO:0097494 regulation of vesicle size
- GO:0045259 proton-transporting ATP synthase complex
- GO:0046933 proton-transporting ATP synthase activity, rotational mechanism
- GO:0015986 proton motive force-driven ATP synthesis
- GO:0033119 negative regulation of RNA splicing
- GO:0042824 MHC class I peptide loading complex
- GO:0036261 7-methylguanosine cap hypermethylation
- GO:0019773 proteasome core complex, alpha-subunit complex
- GO:2000179 positive regulation of neural precursor cell proliferation
- GO:0005942 phosphatidylinositol 3-kinase complex
- GO:0070418 DNA-dependent protein kinase complex
- GO:0002502 peptide antigen assembly with MHC class I protein complex

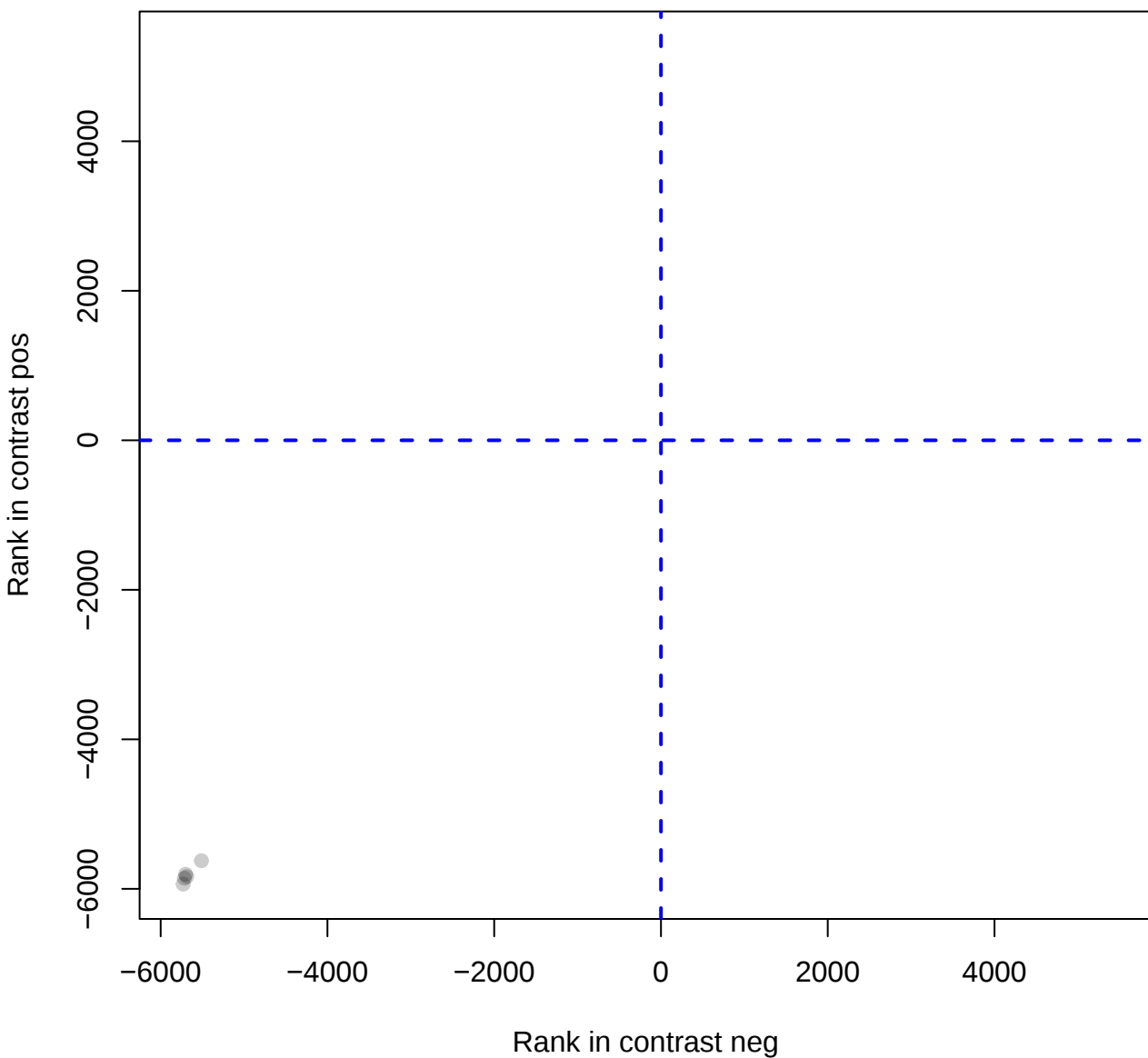
effect size versus statistical significance



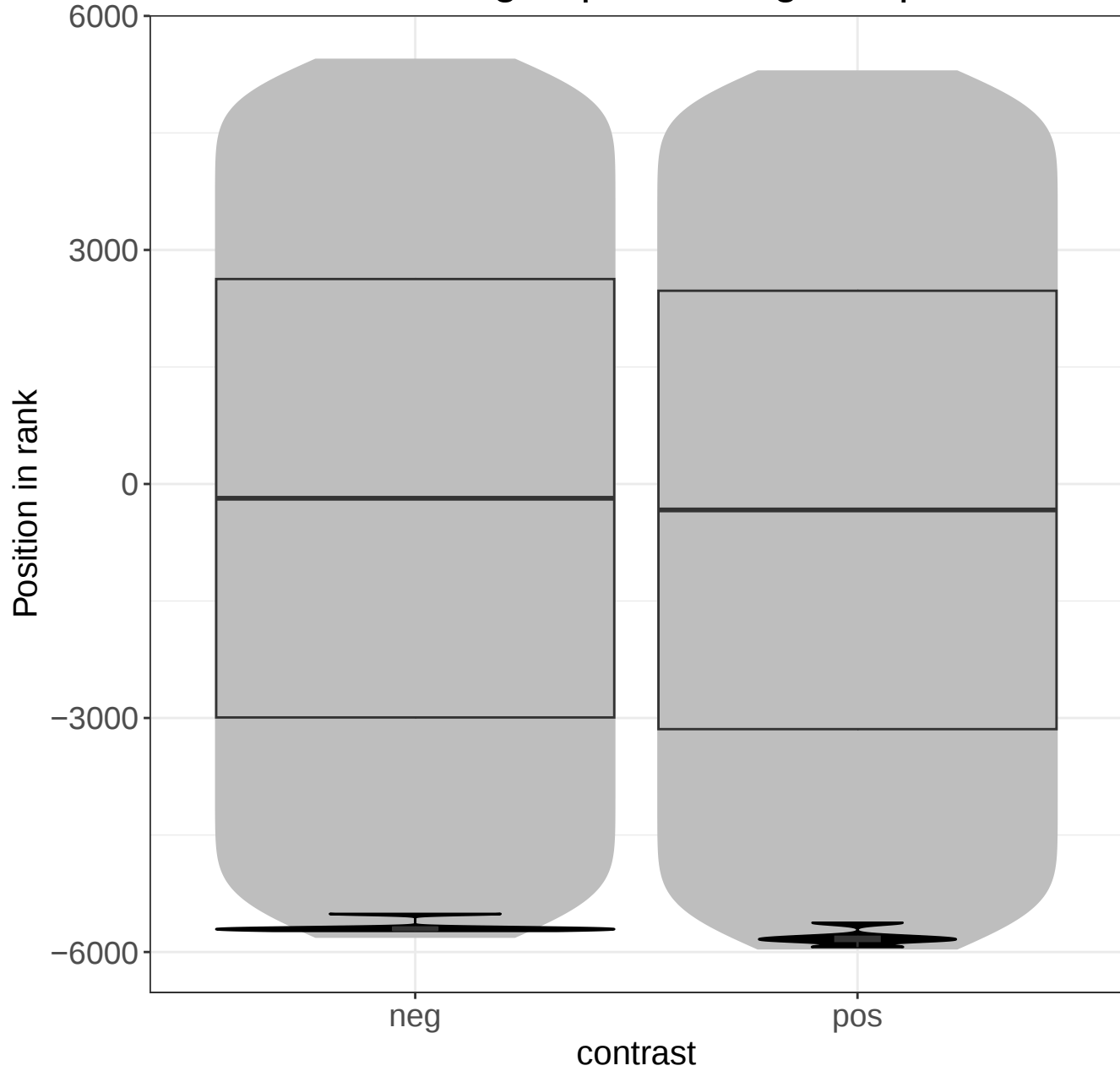
igen processing and presentation of endogenous peptide an



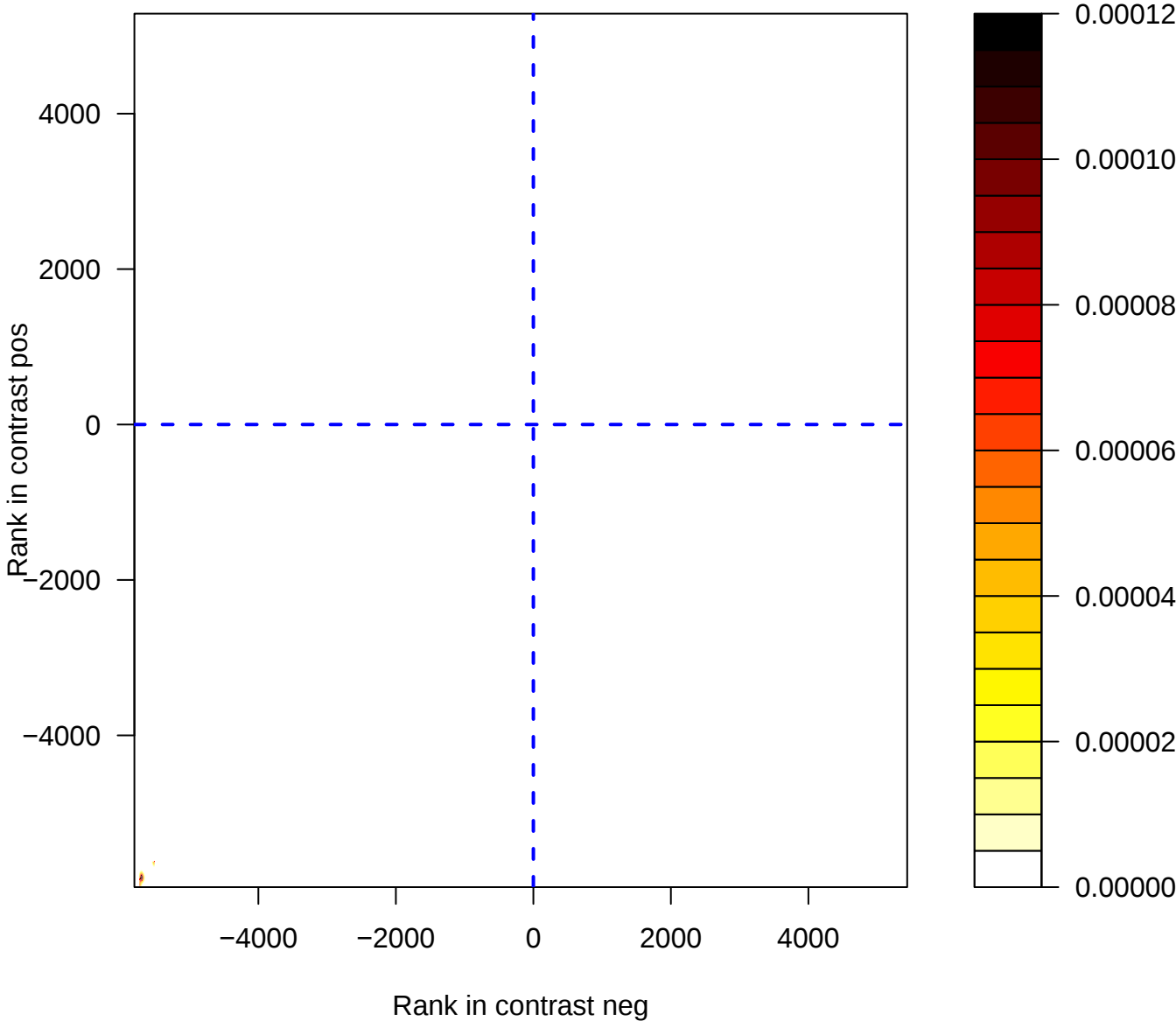
176 antigen processing and presentation of endogenous peptide antigen via



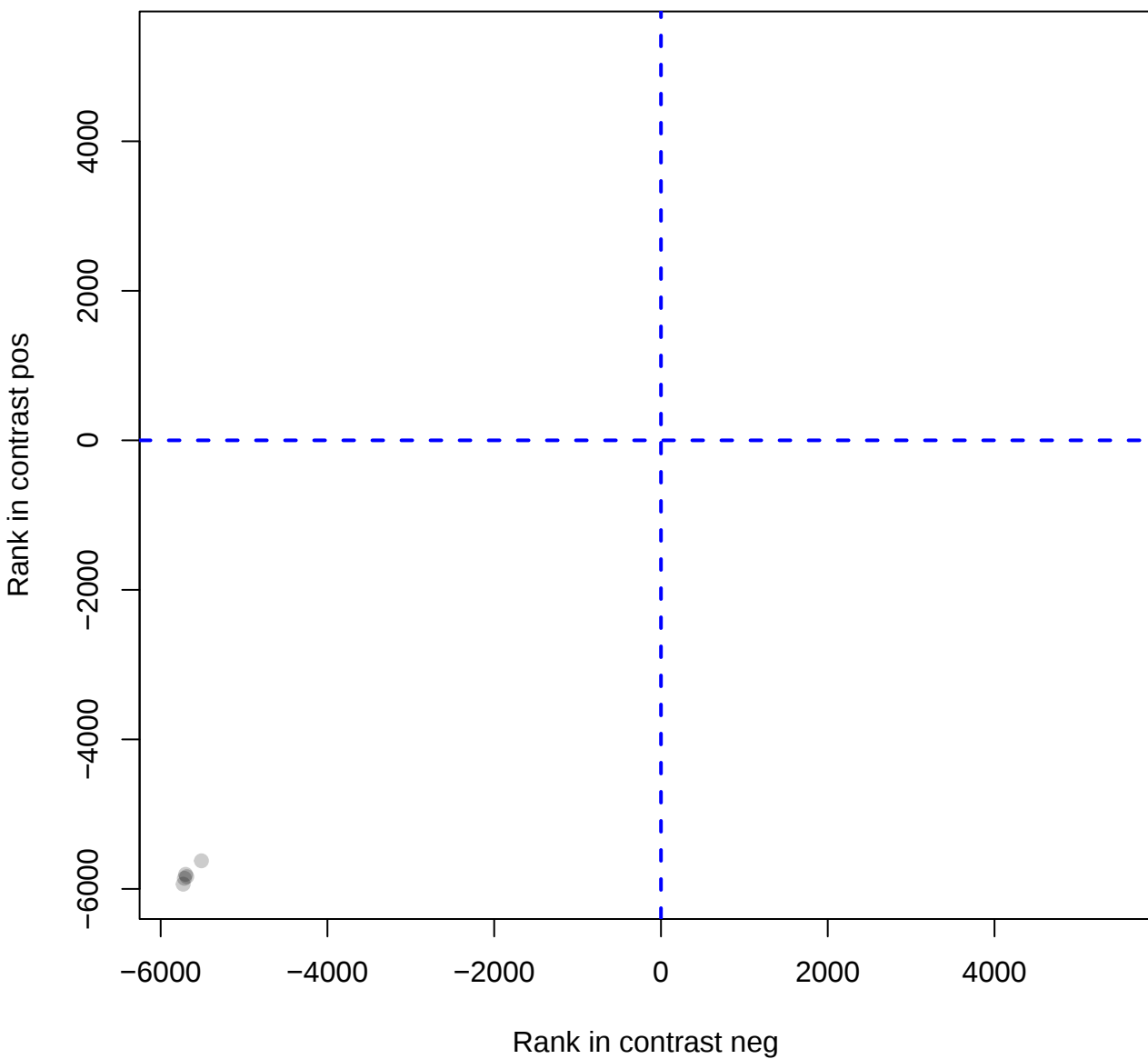
GO:0002476 antigen processing and presentation



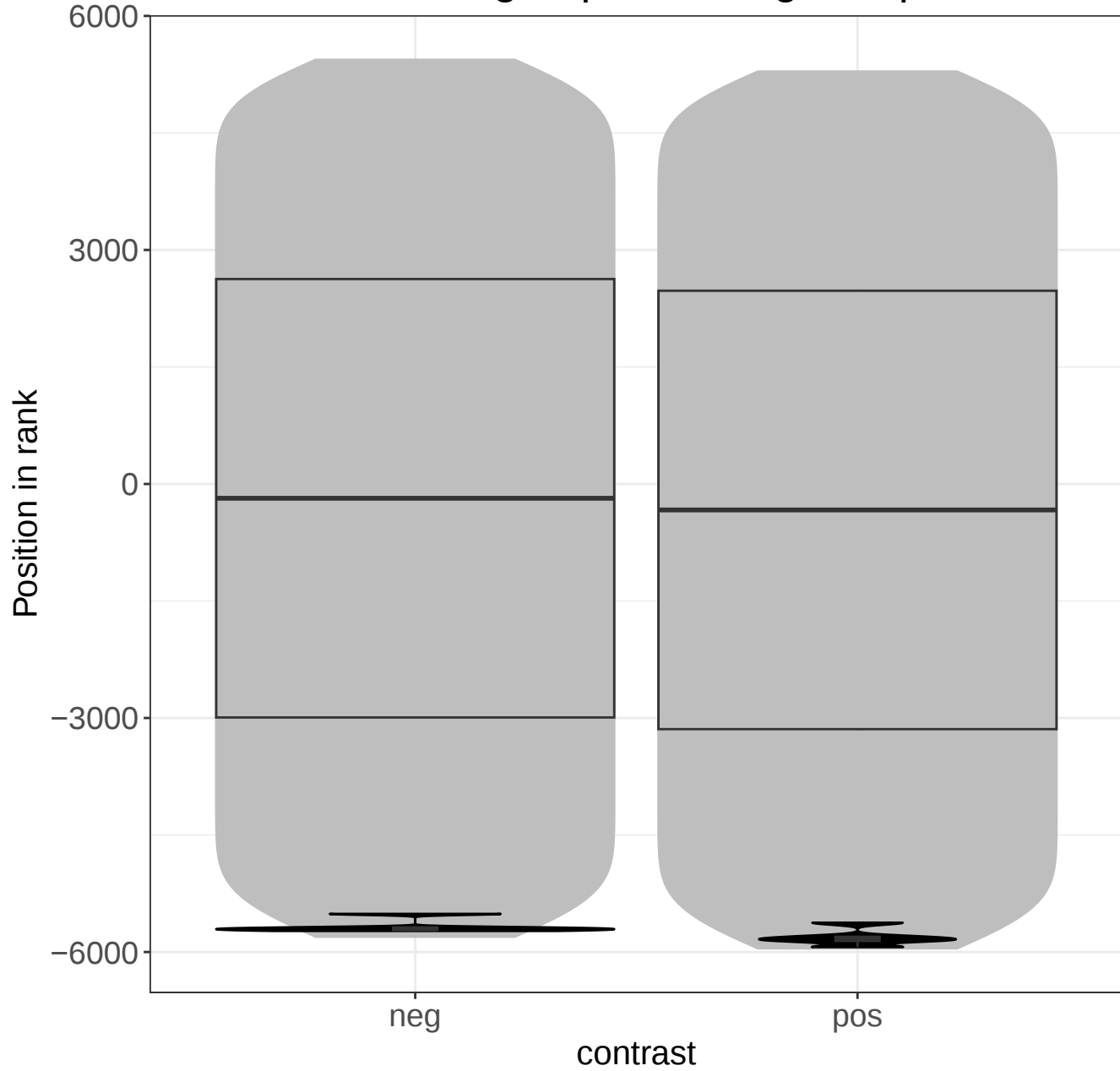
and presentation of endogenous peptide antigen via MHC cl



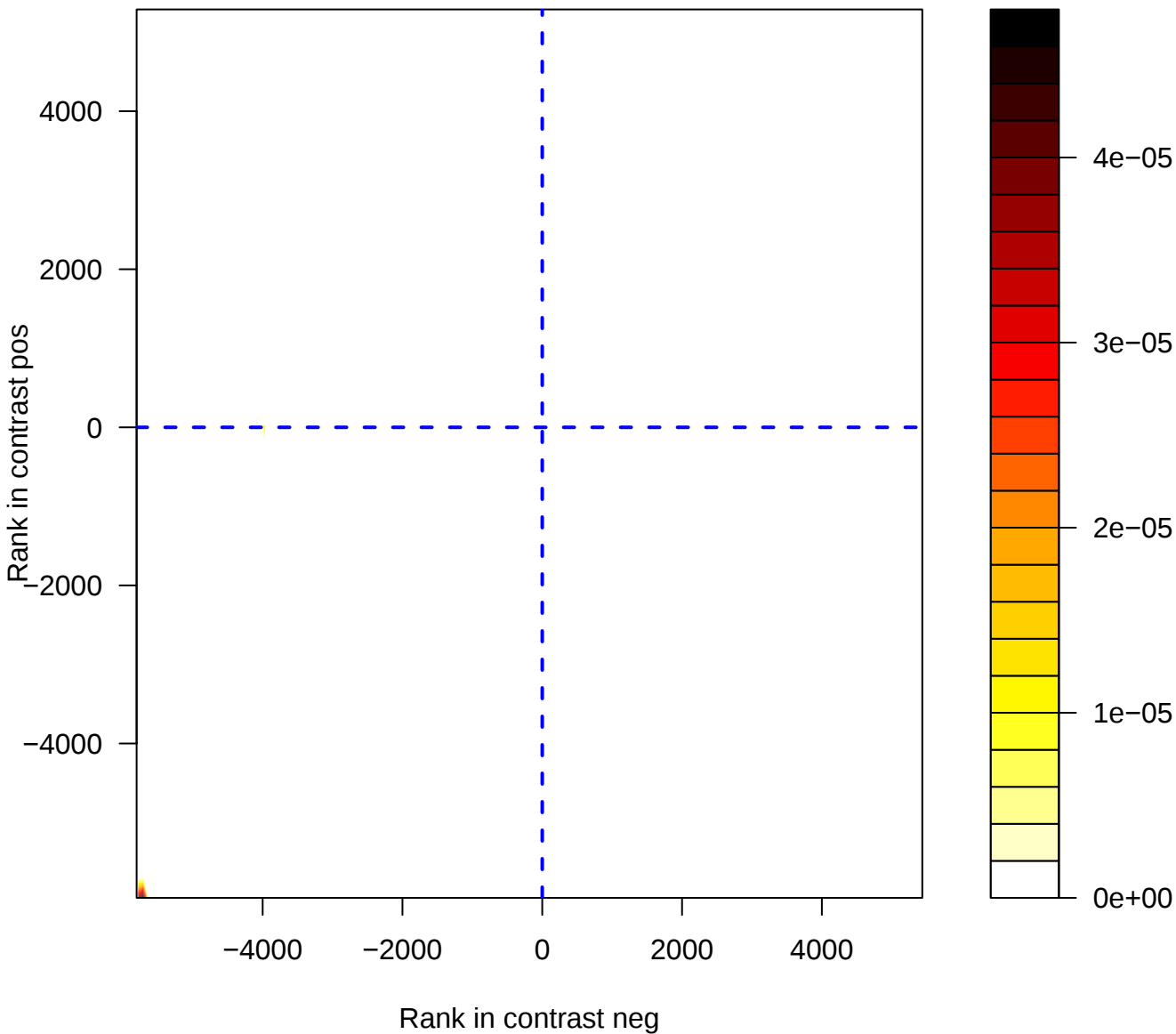
Processing and presentation of endogenous peptide antigen via MHC class I via I



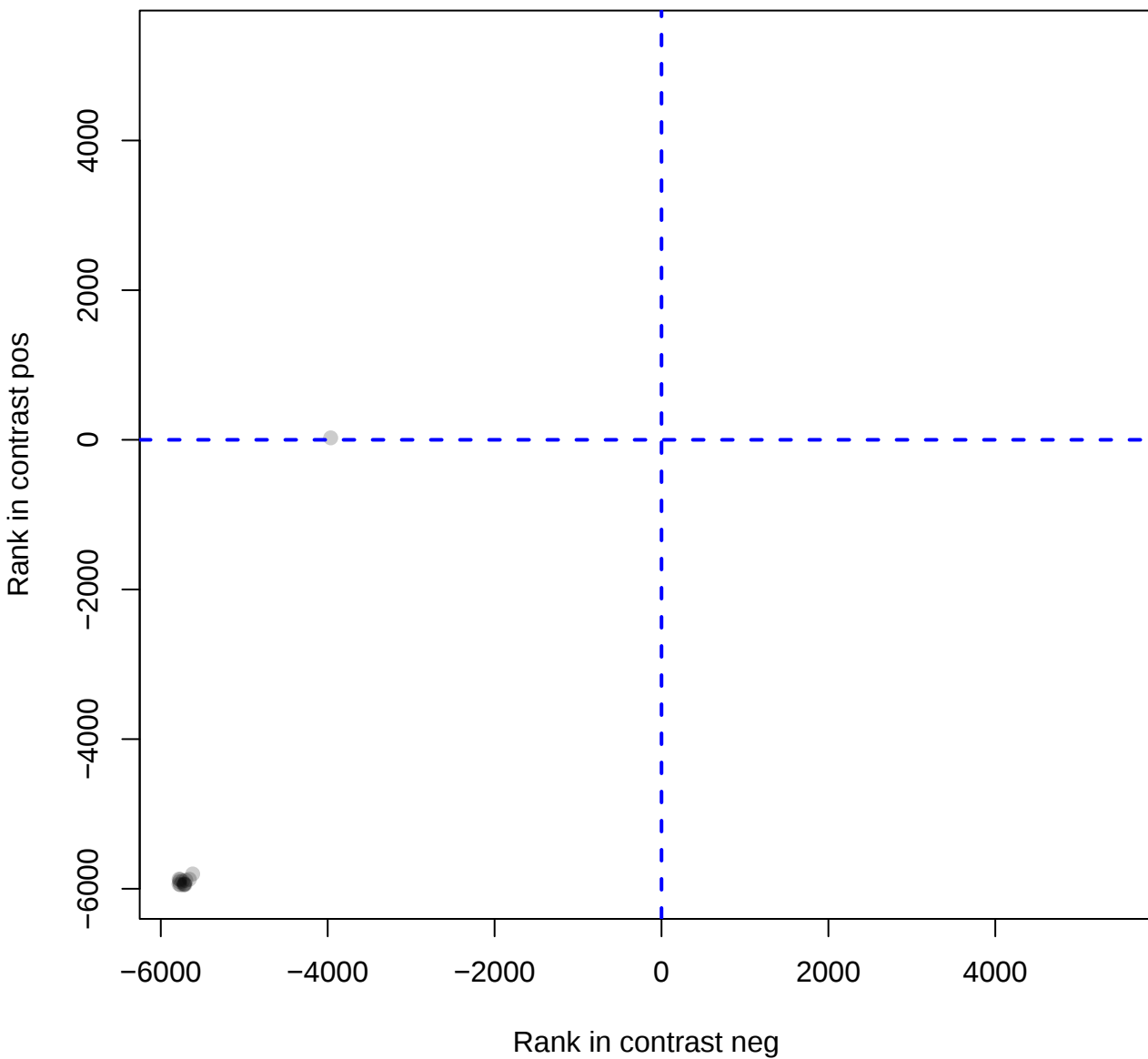
GO:0002486 antigen processing and presentation



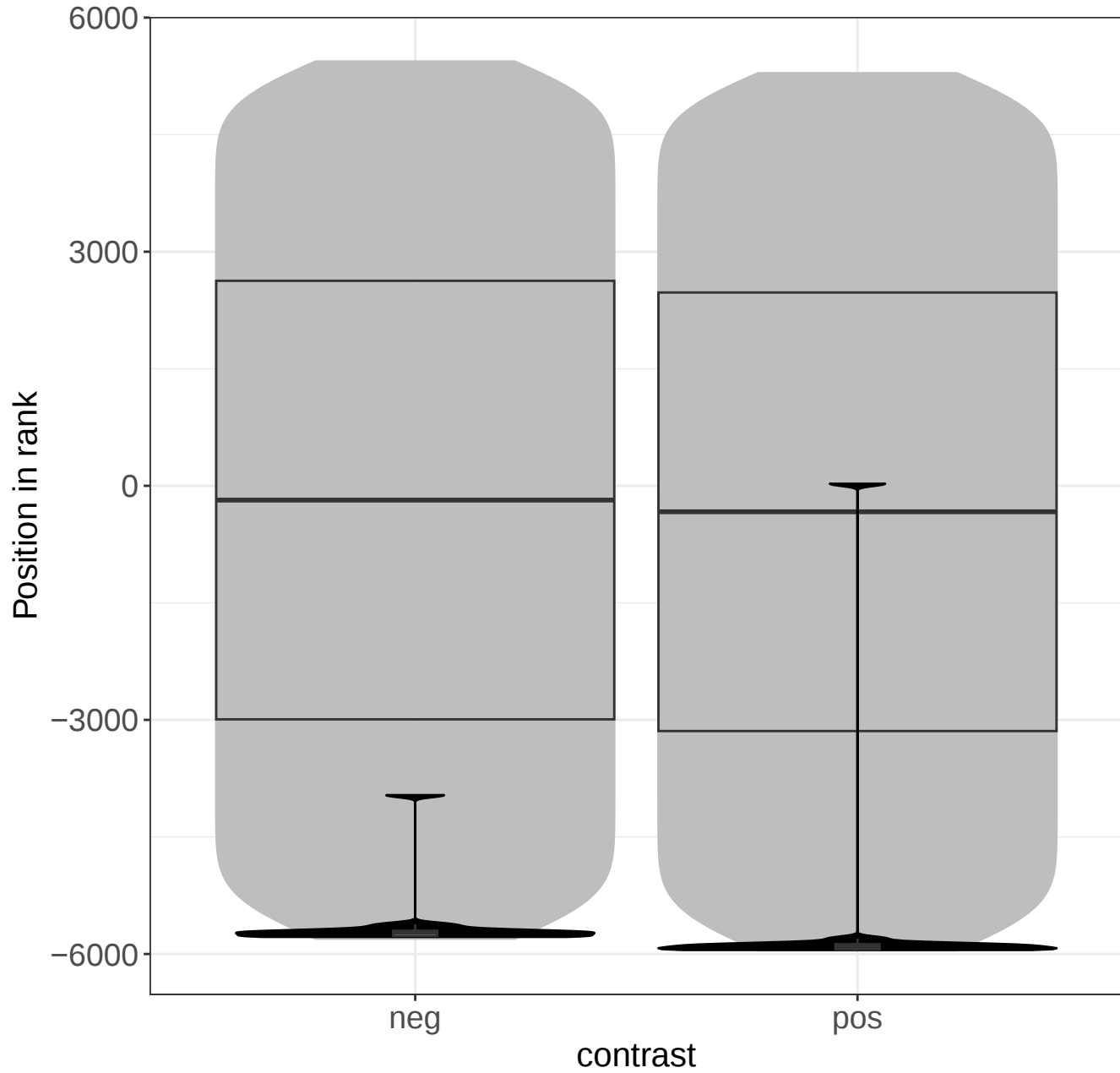
GO:0015935 small ribosomal subunit



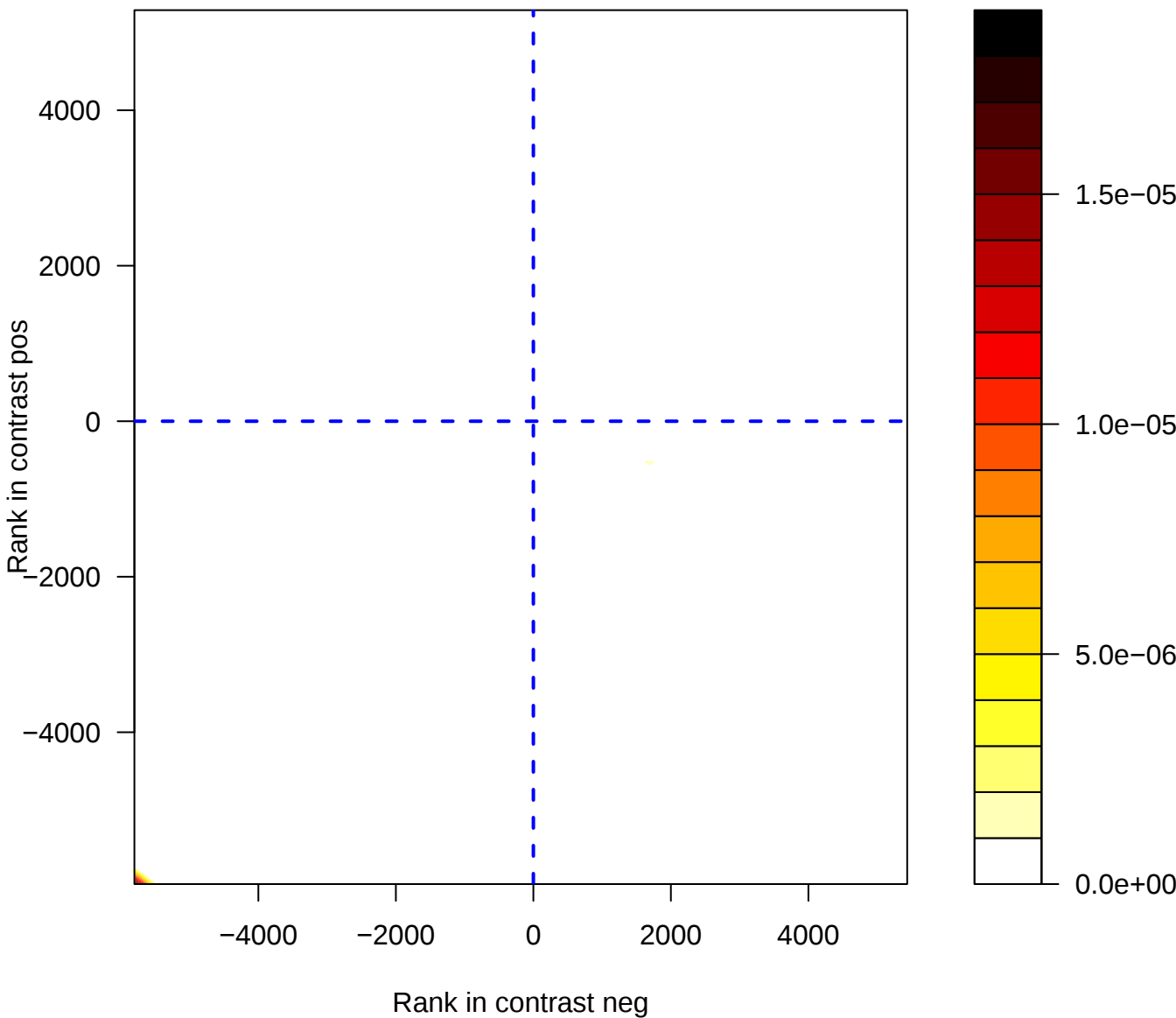
GO:0015935 small ribosomal subunit



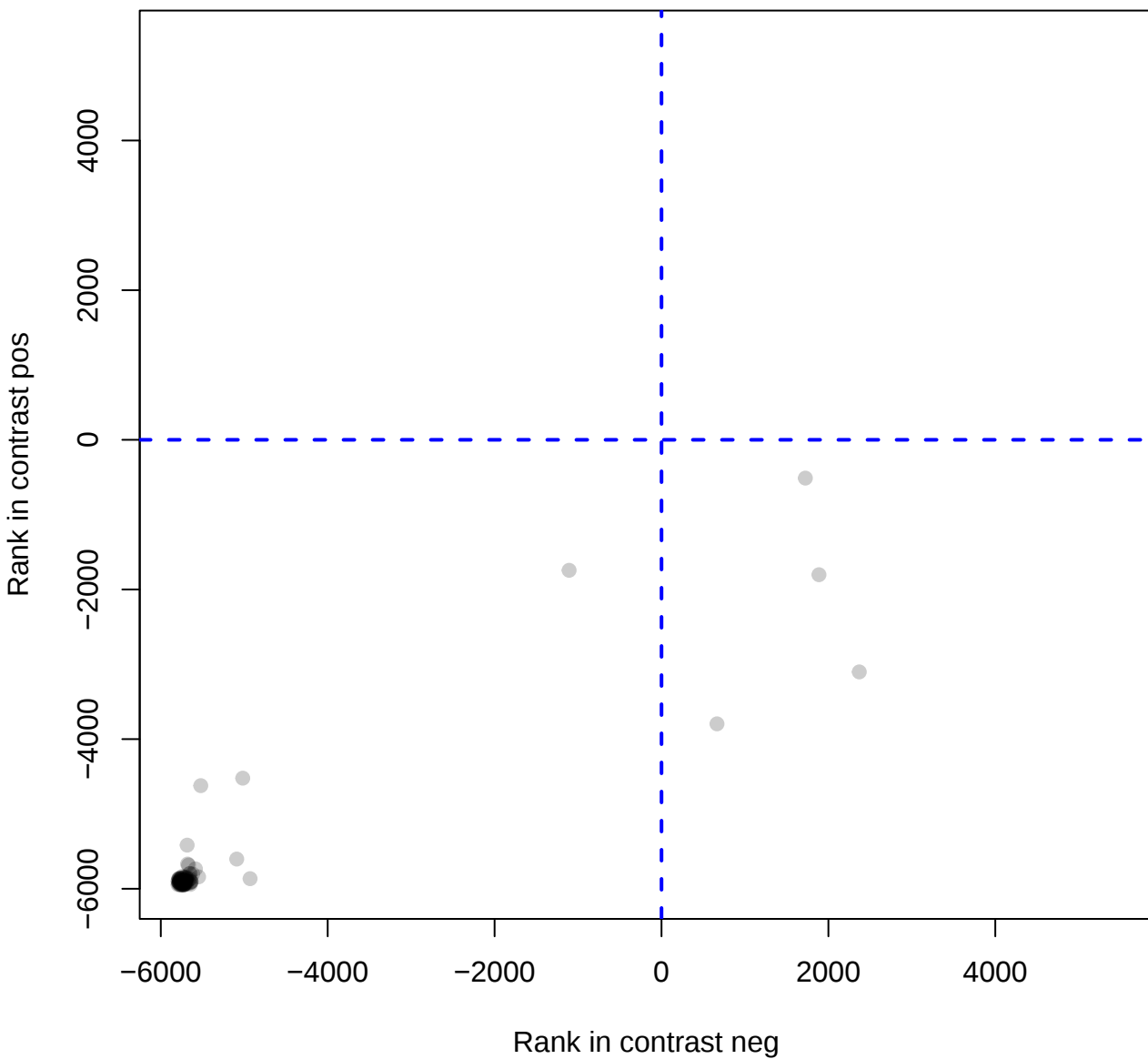
GO:0015935 small ribosomal subunit



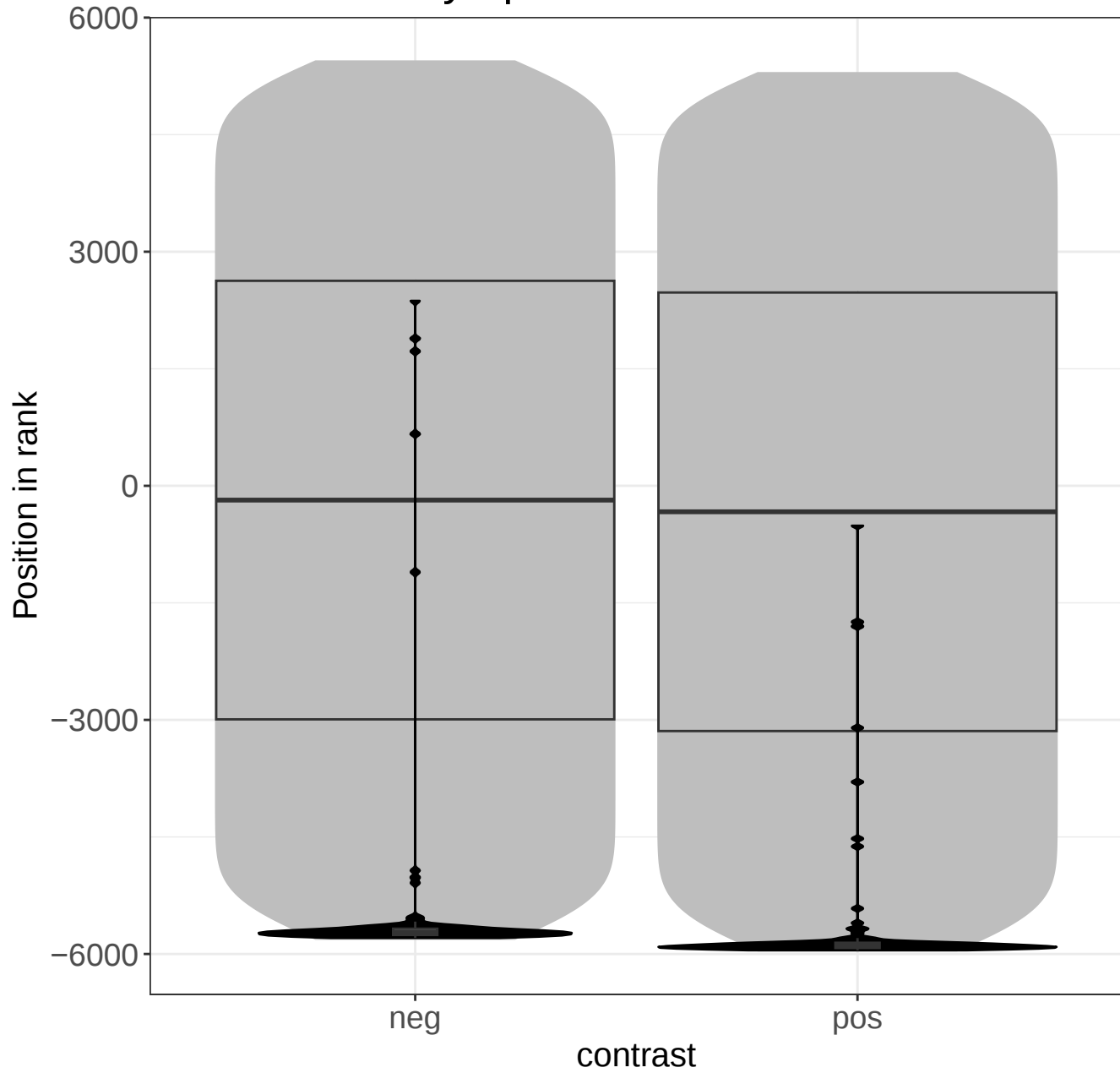
GO:0002181 cytoplasmic translation



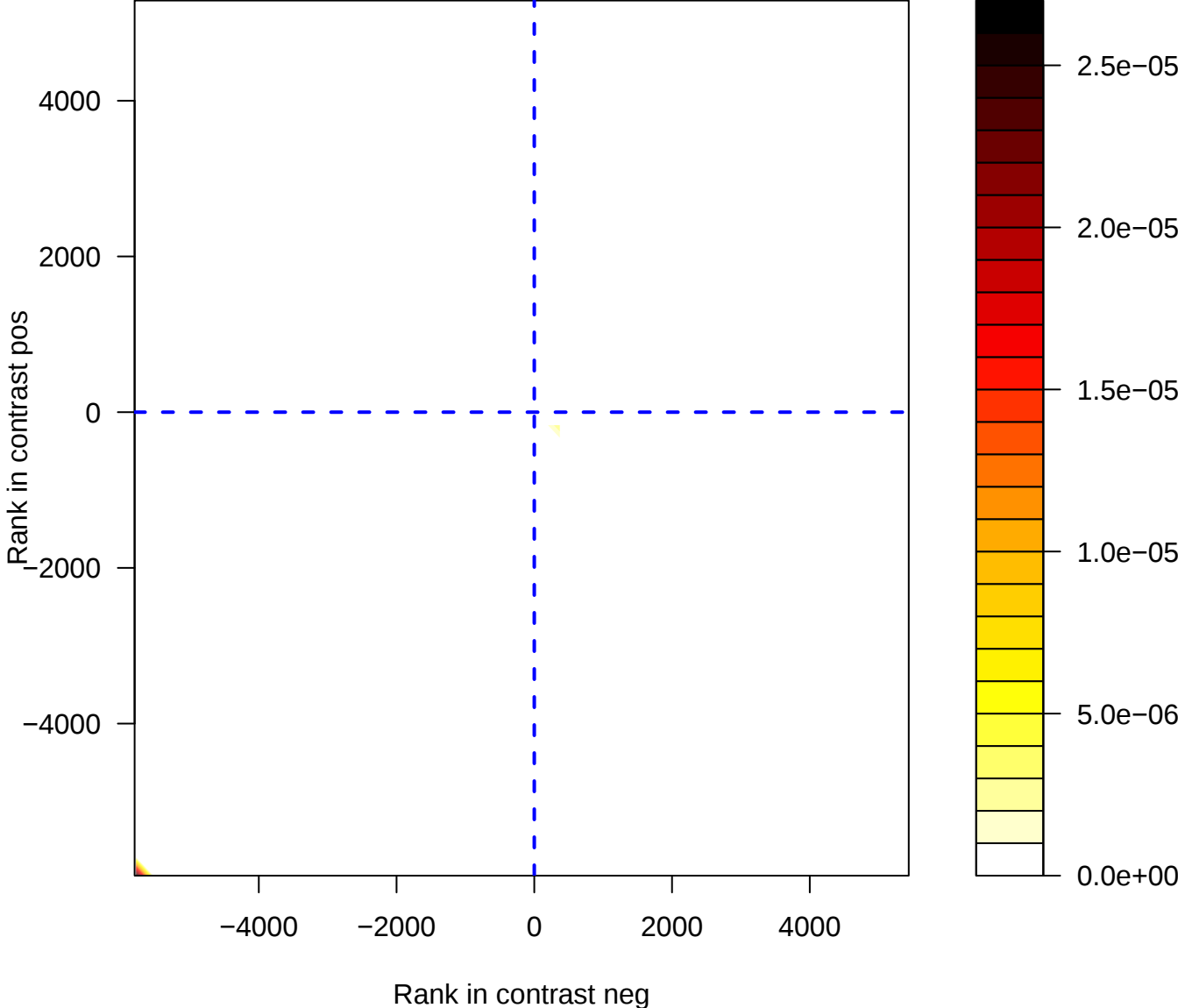
GO:0002181 cytoplasmic translation



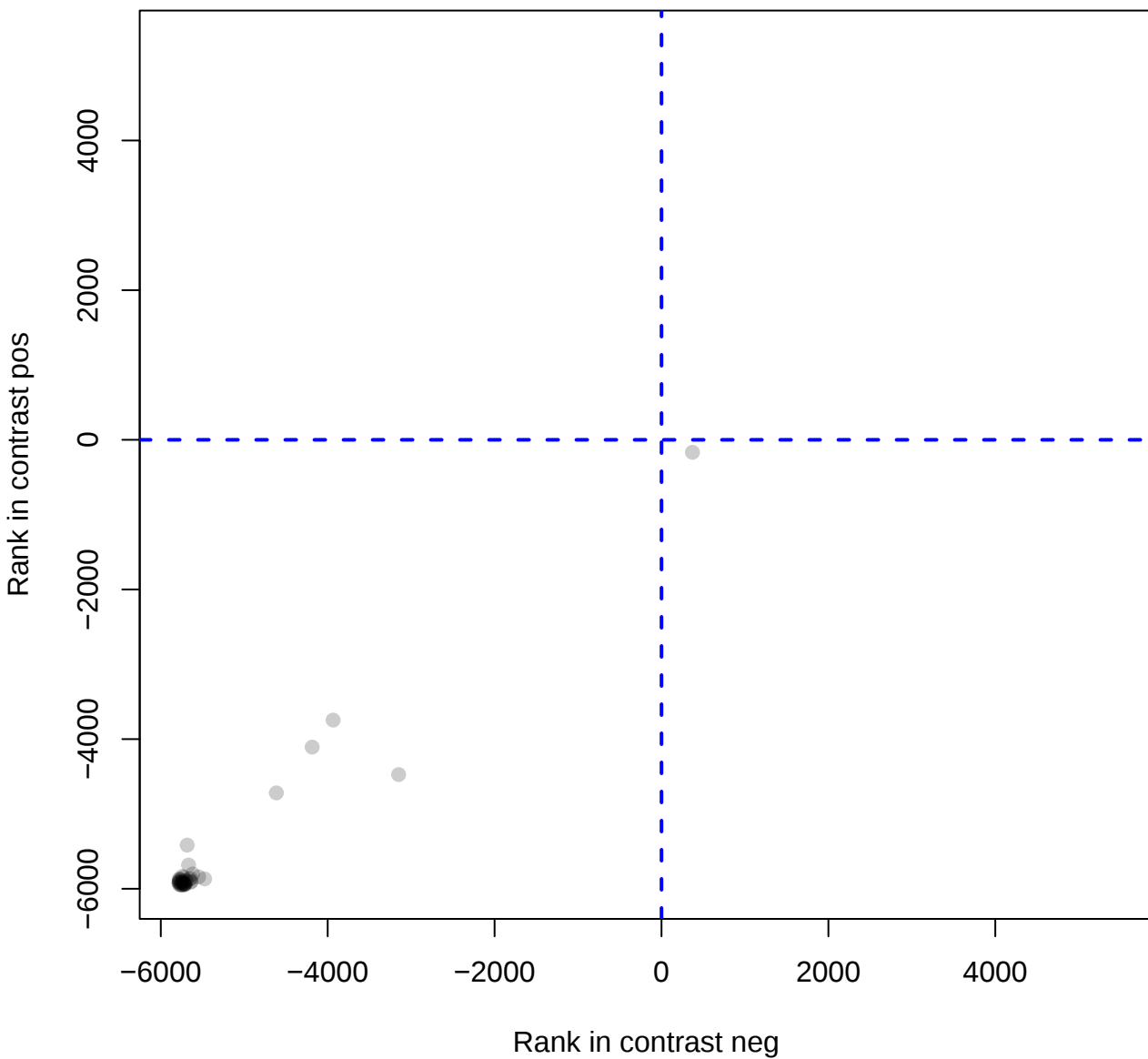
GO:0002181 cytoplasmic translation



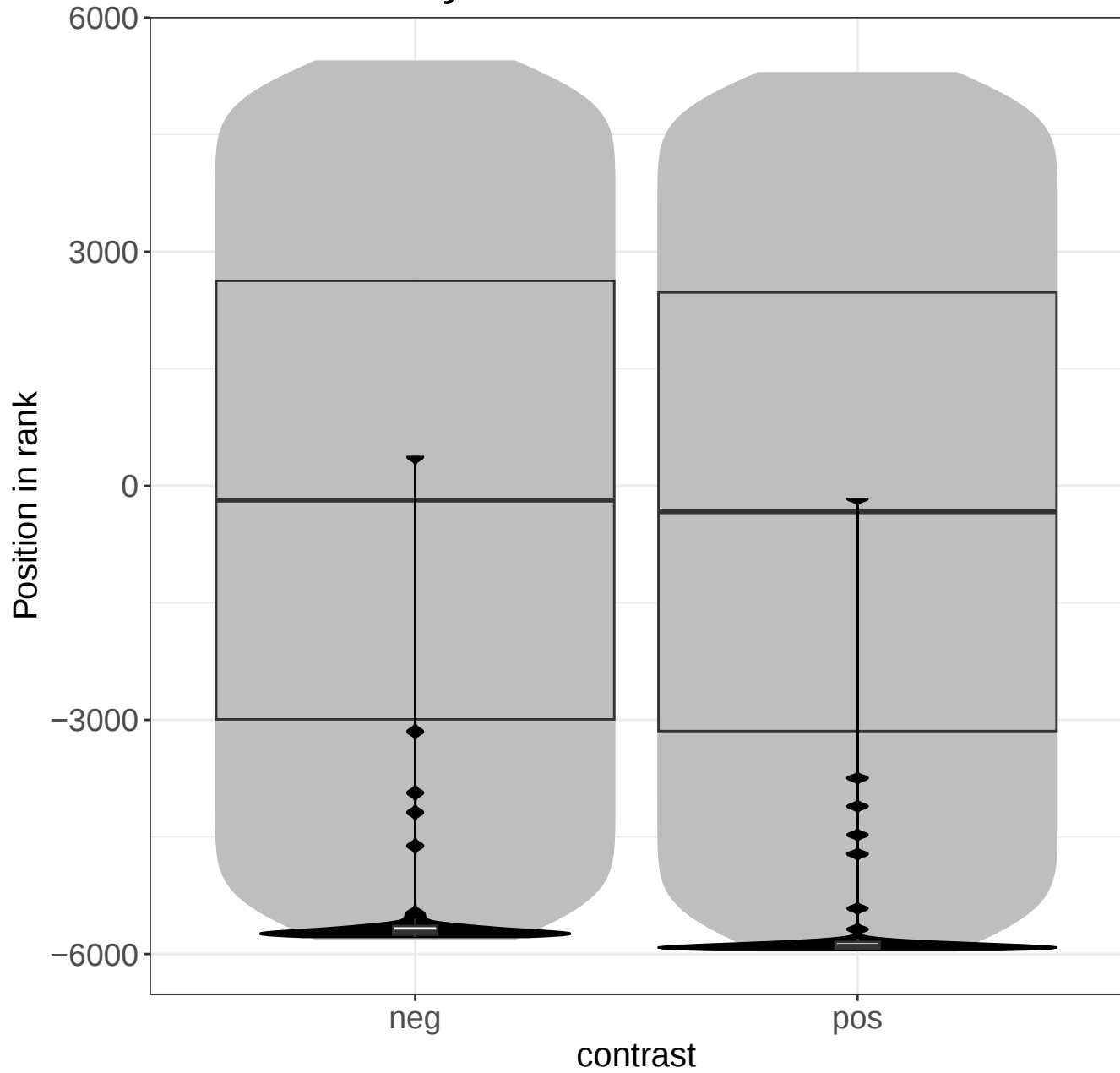
GO:0022627 cytosolic small ribosomal subunit



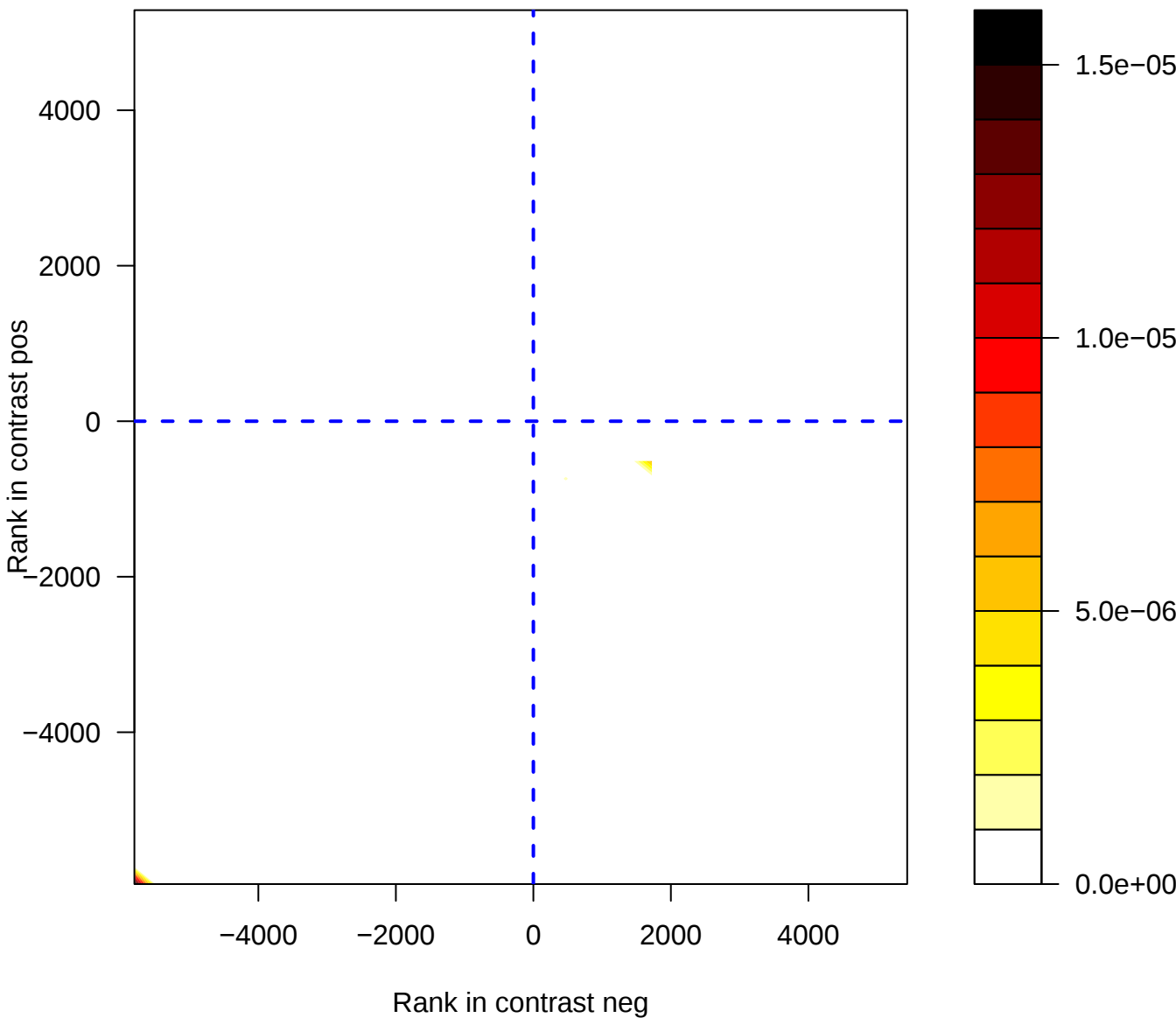
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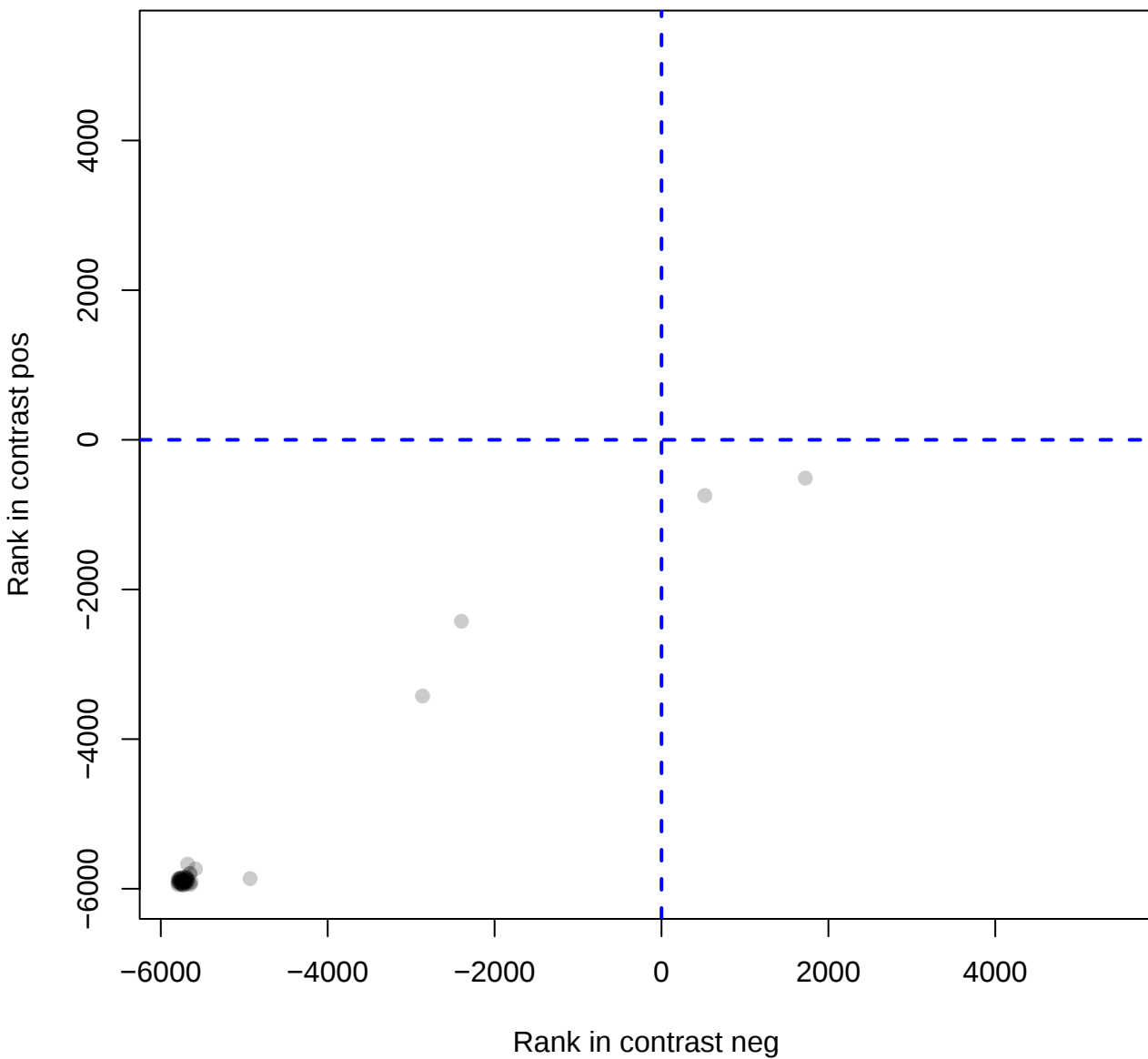
GO:0022627 cytosolic small ribosomal subunit



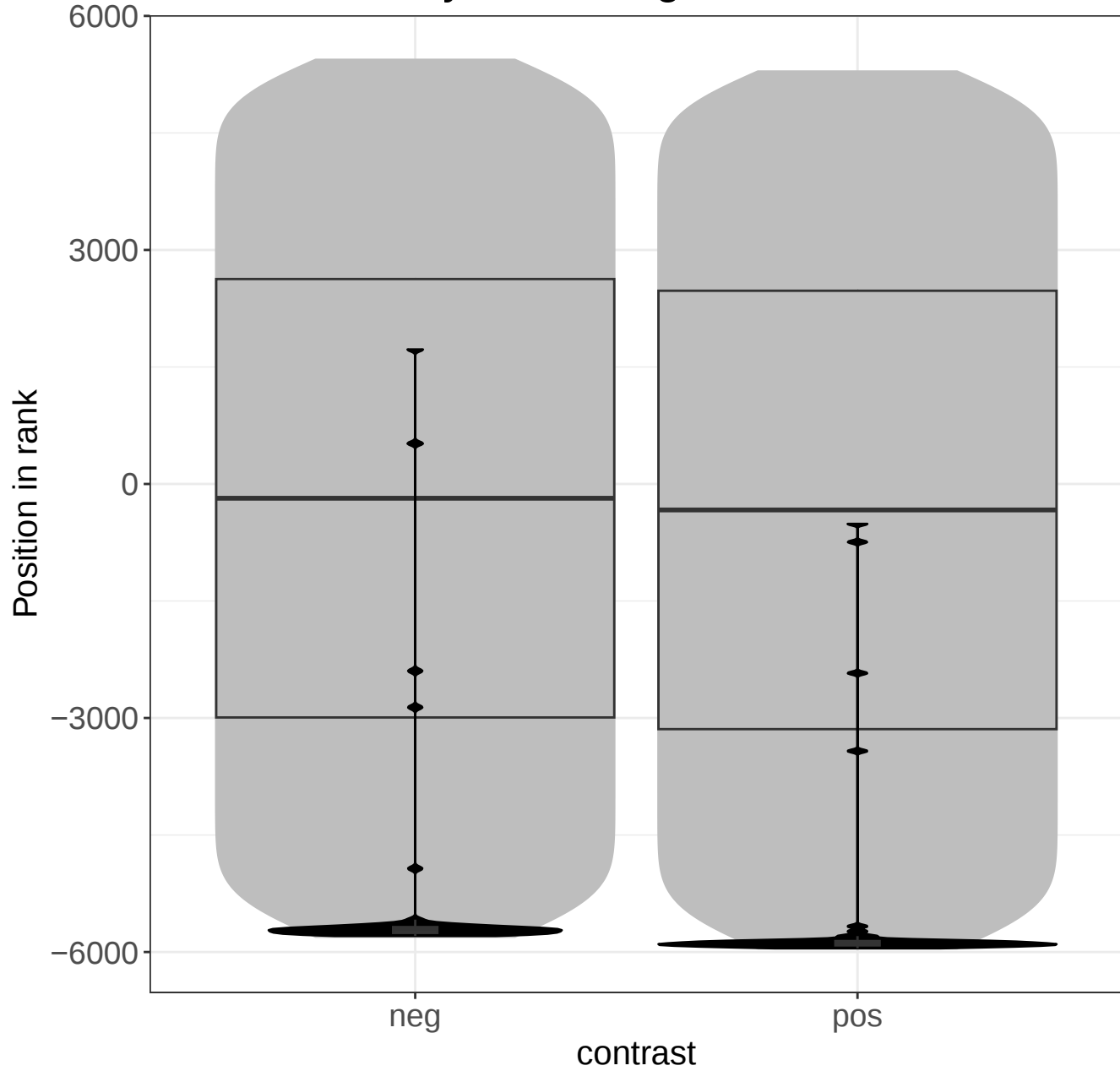
GO:0022625 cytosolic large ribosomal subunit



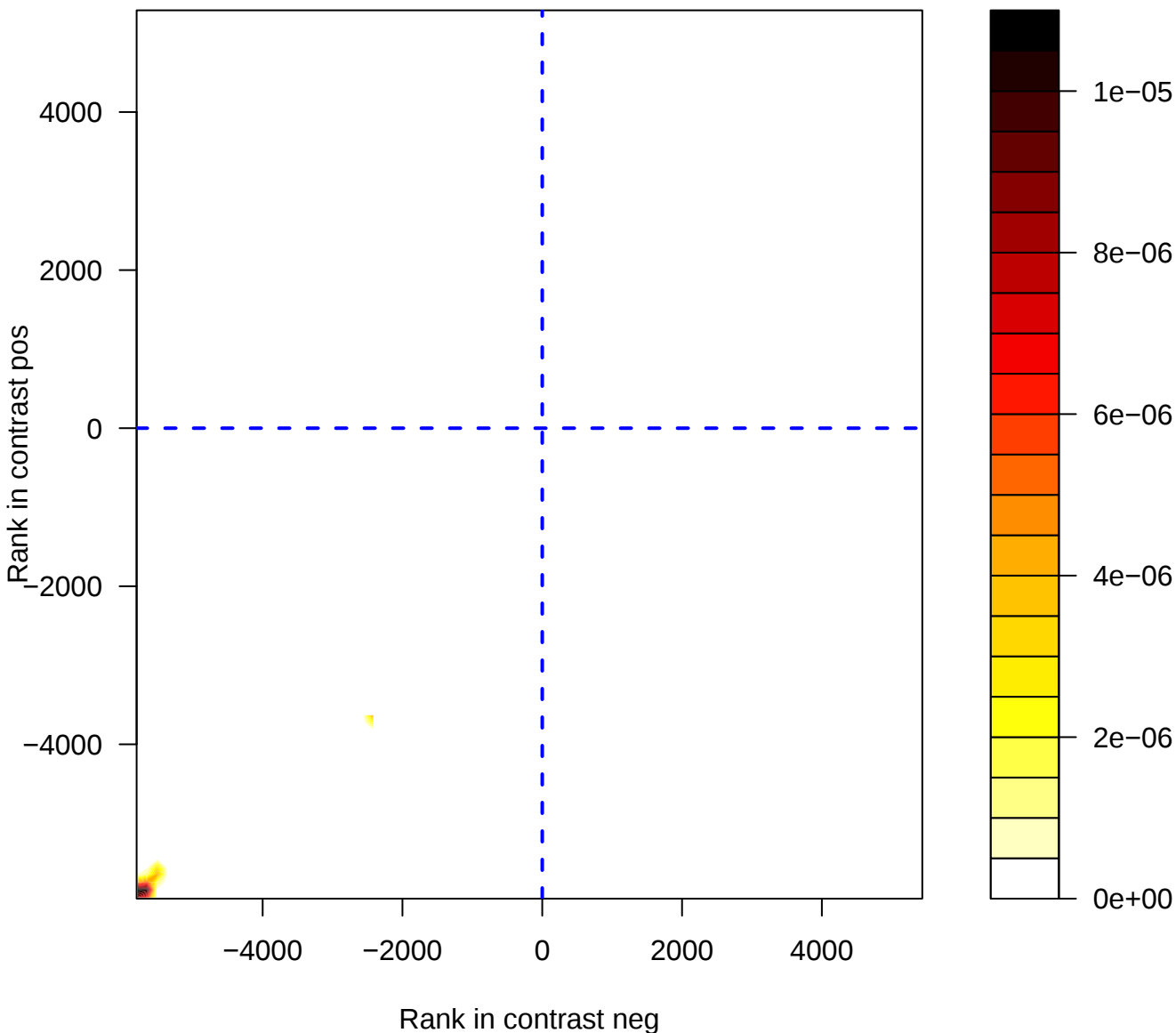
GO:0022625 cytosolic large ribosomal subunit



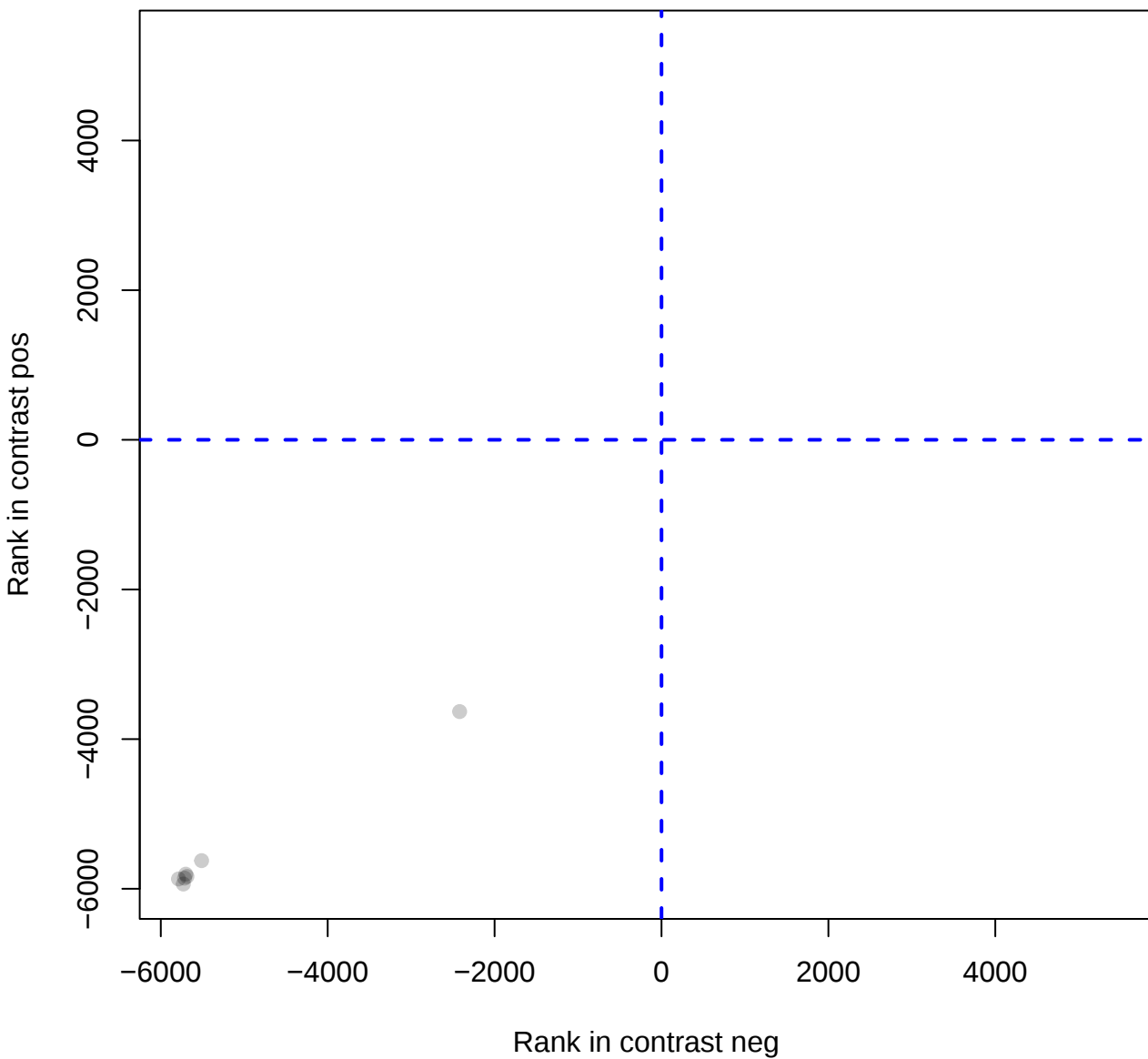
GO:0022625 cytosolic large ribosomal subunit



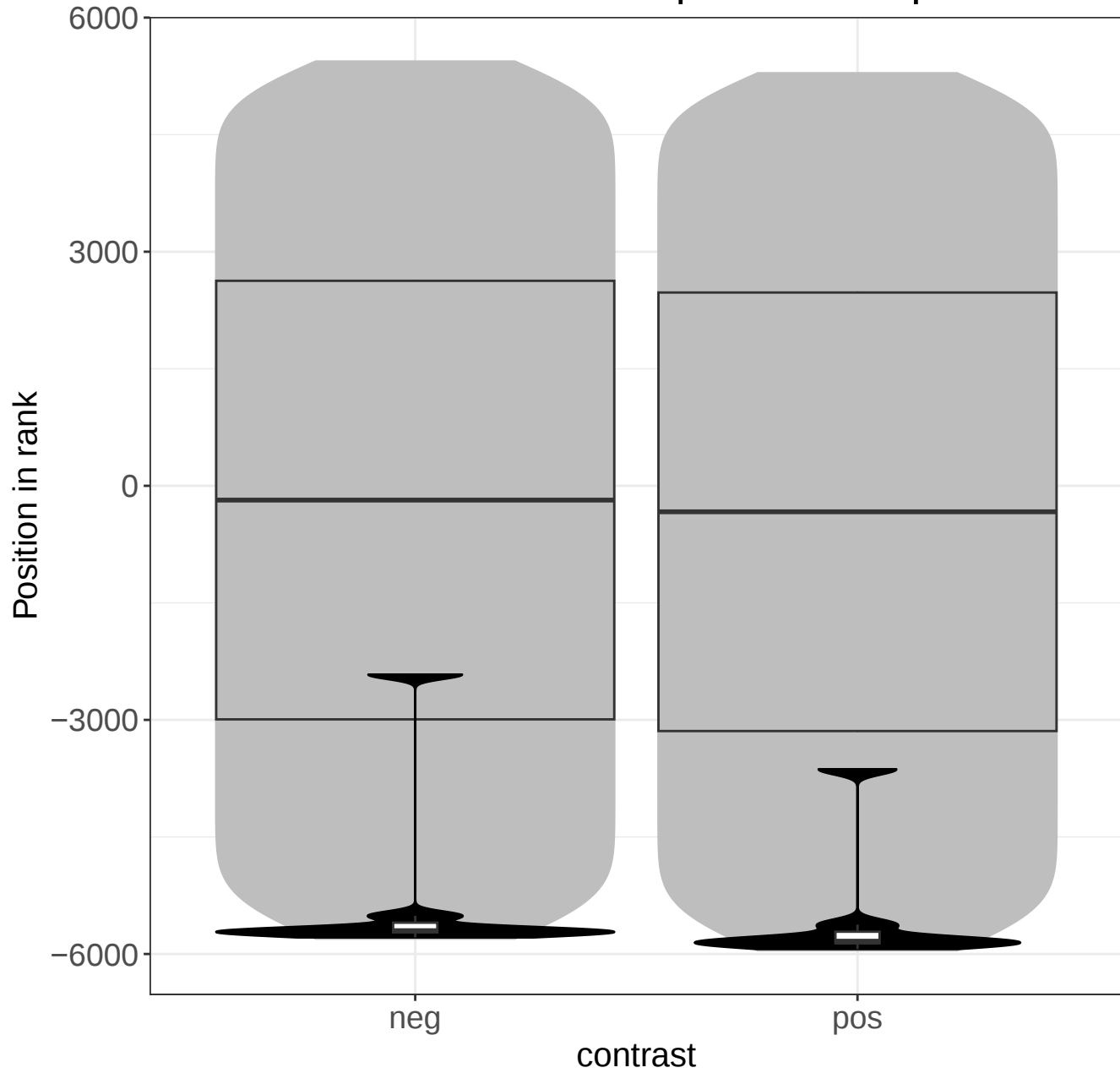
GO:0042612 MHC class I protein complex



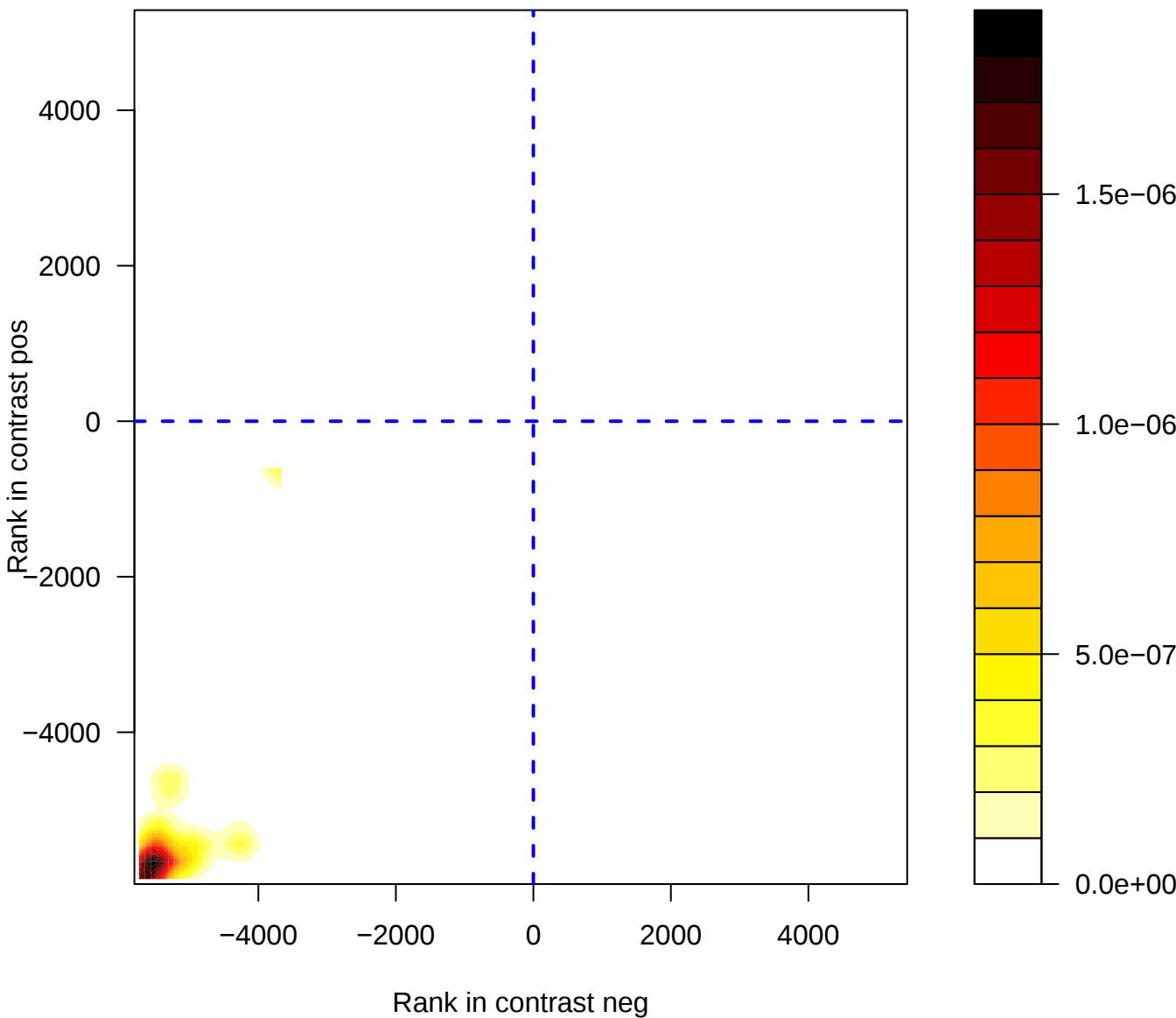
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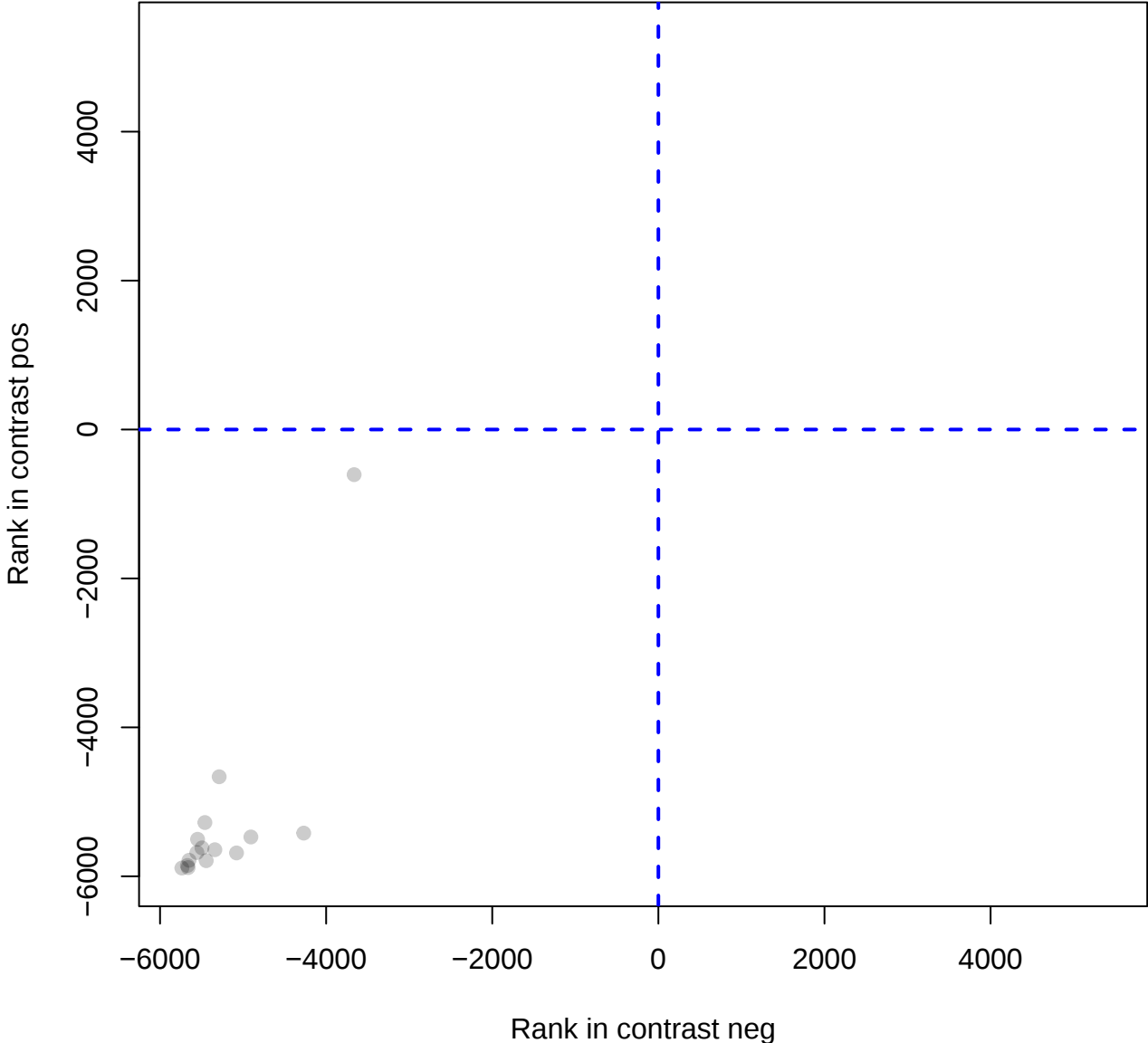
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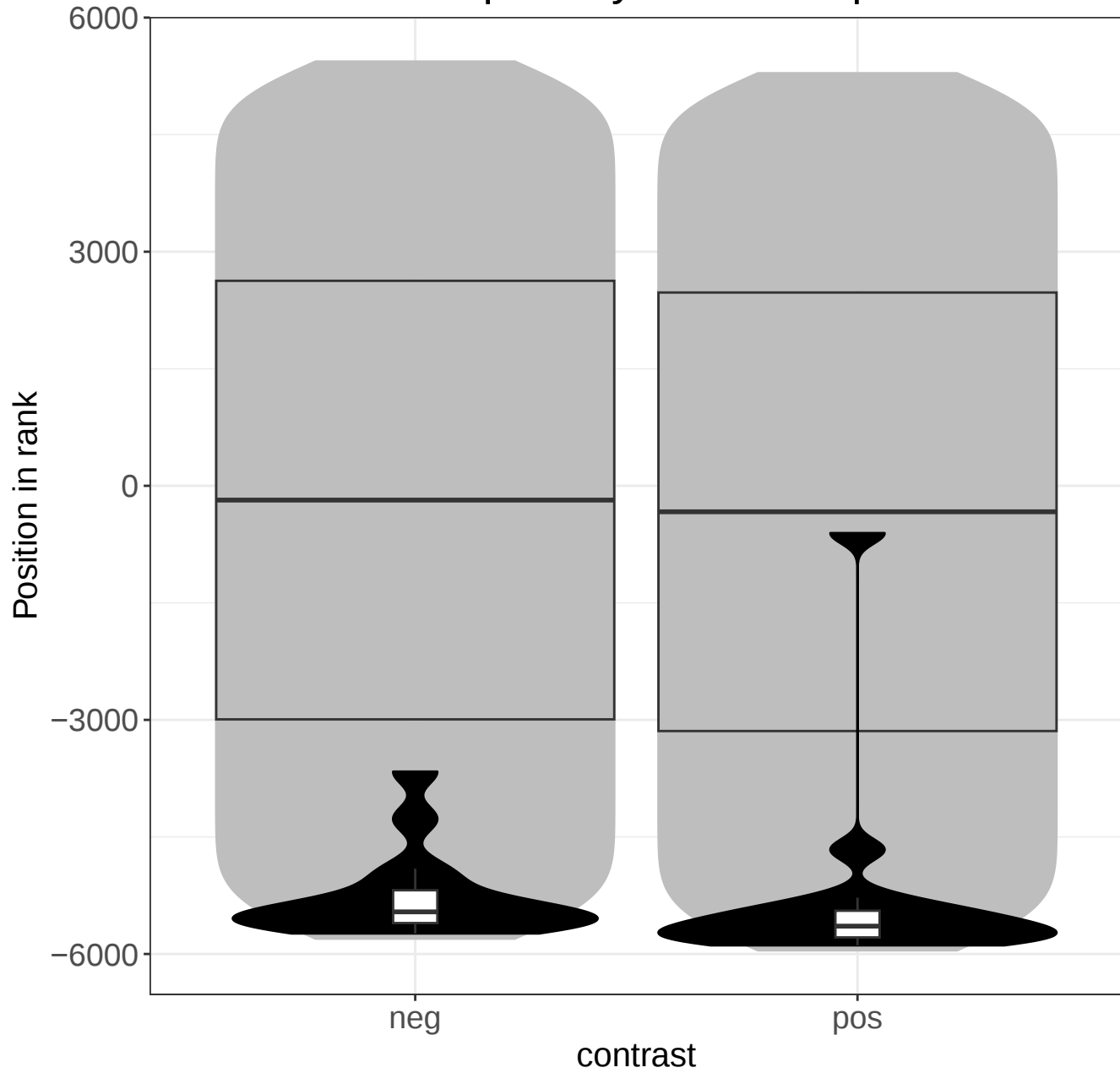
GO:0045277 respiratory chain complex IV



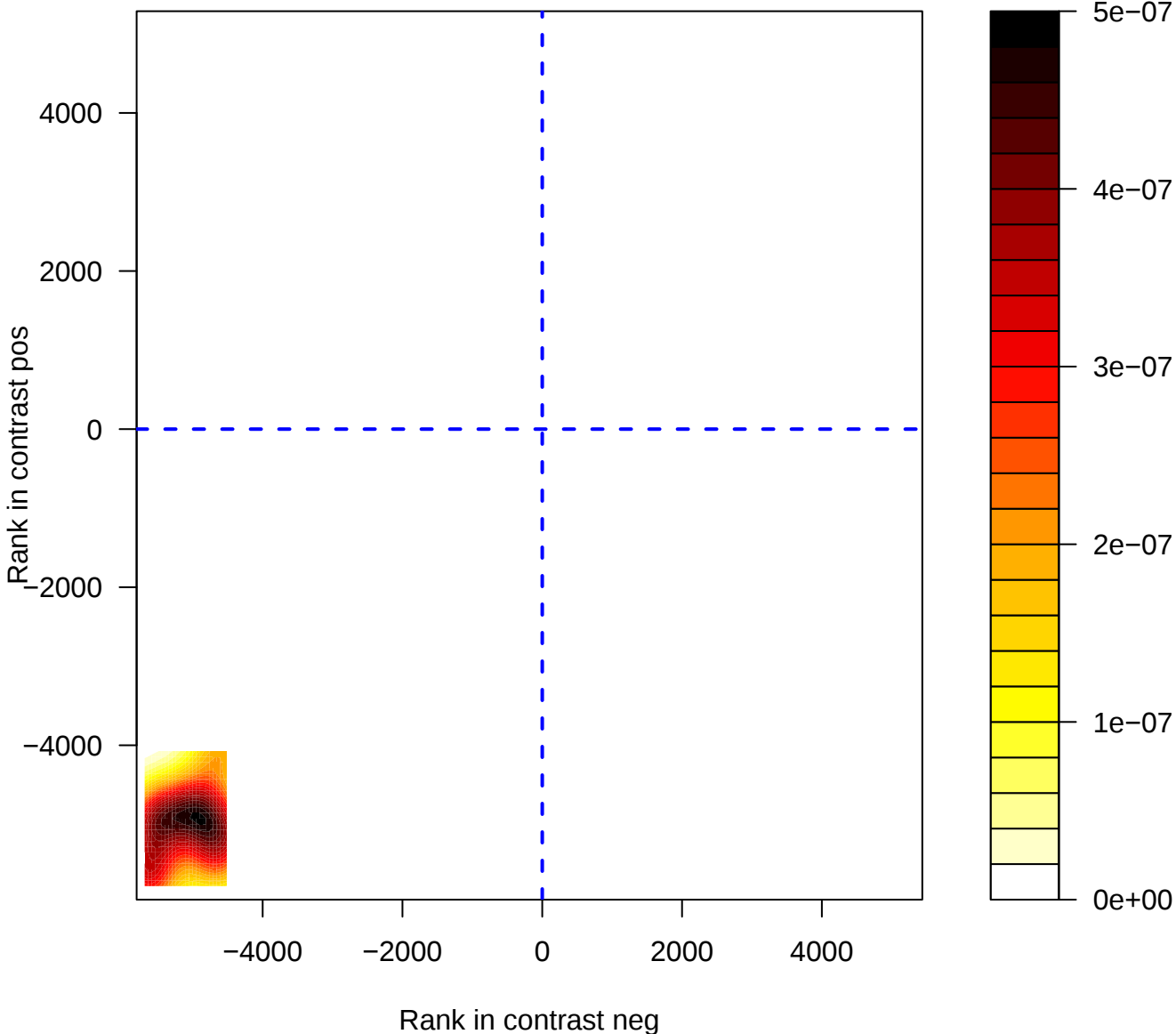
GO:0045277 respiratory chain complex IV



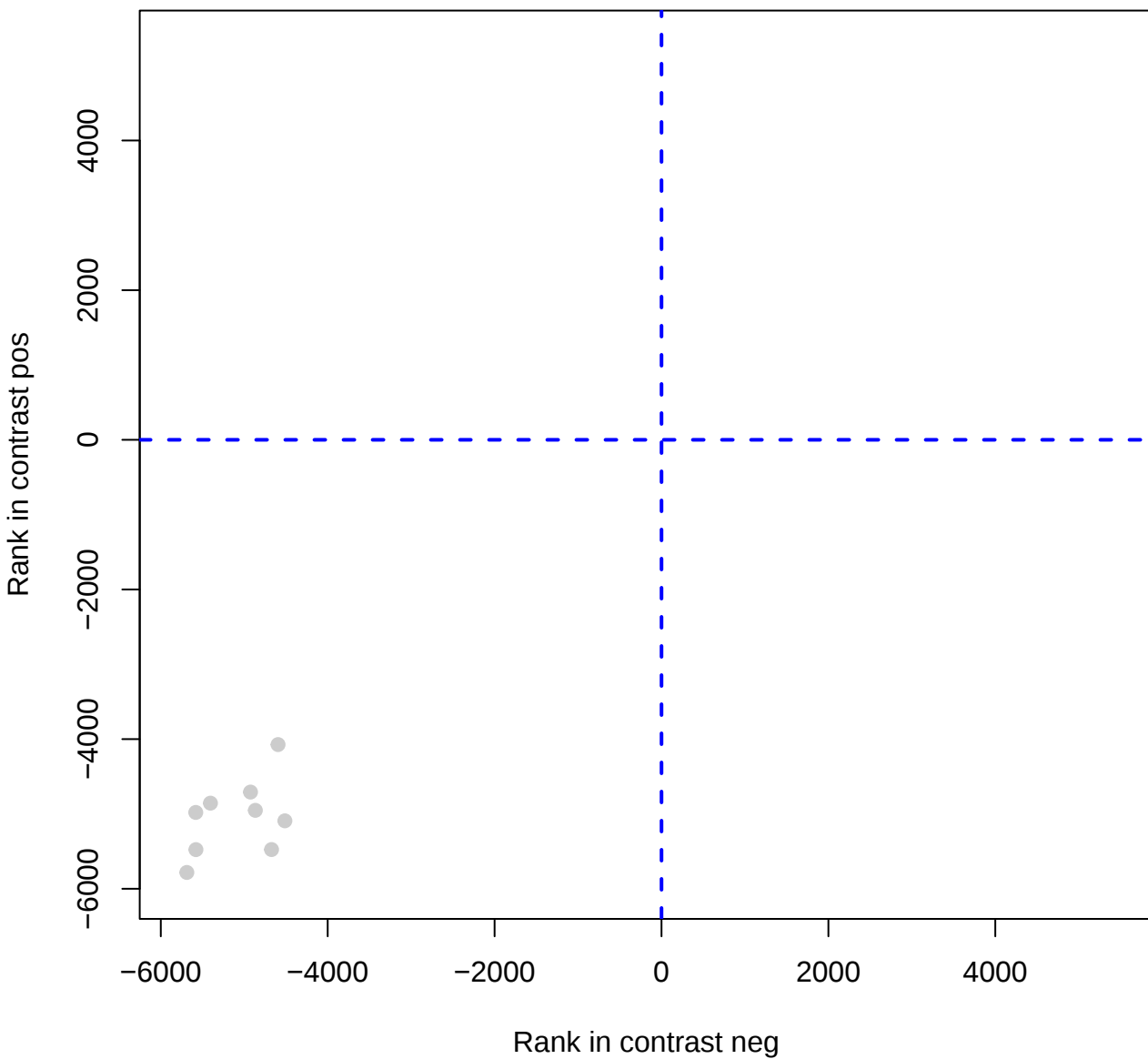
GO:0045277 respiratory chain complex IV



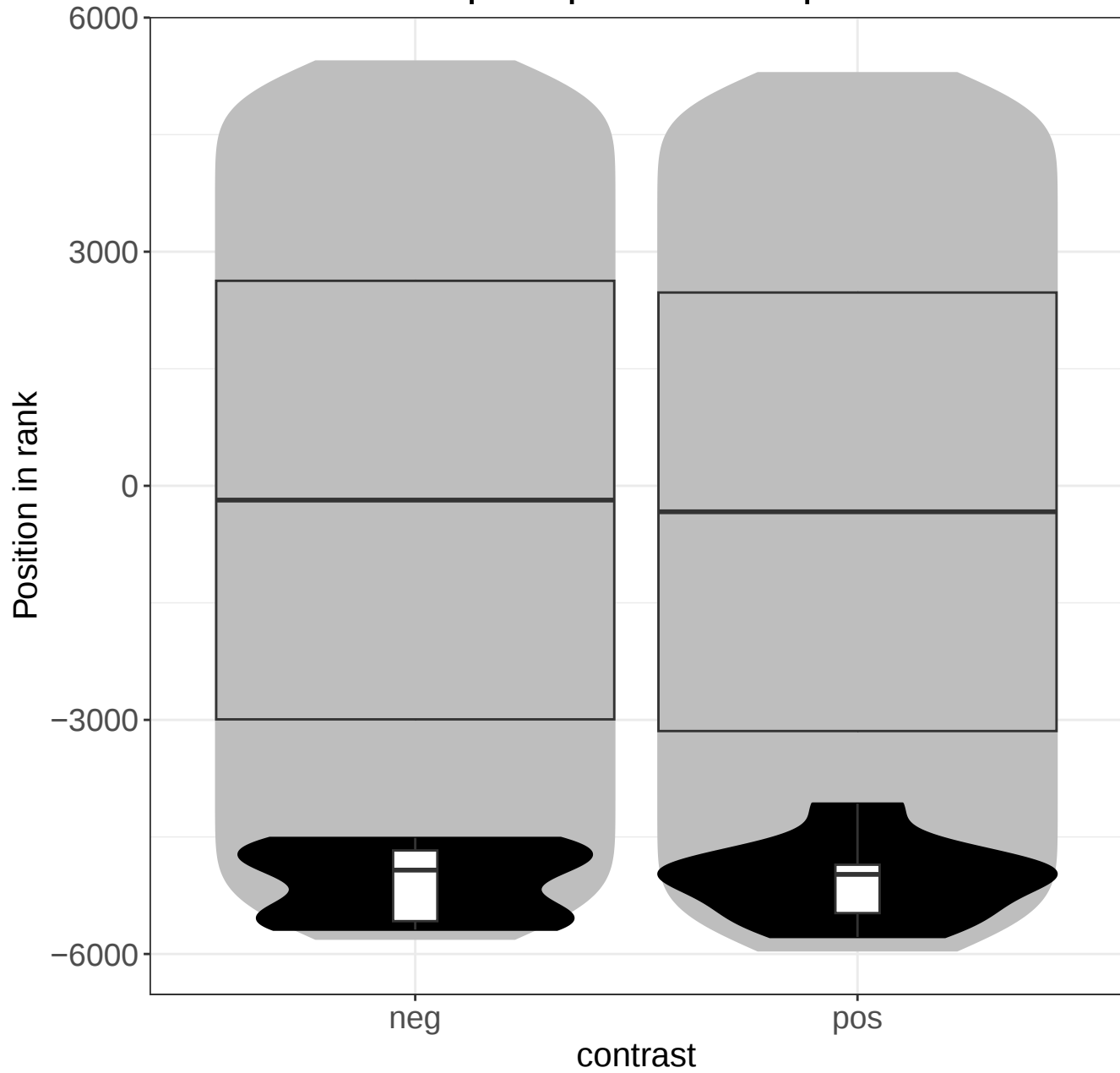
GO:0005885 Arp2/3 protein complex



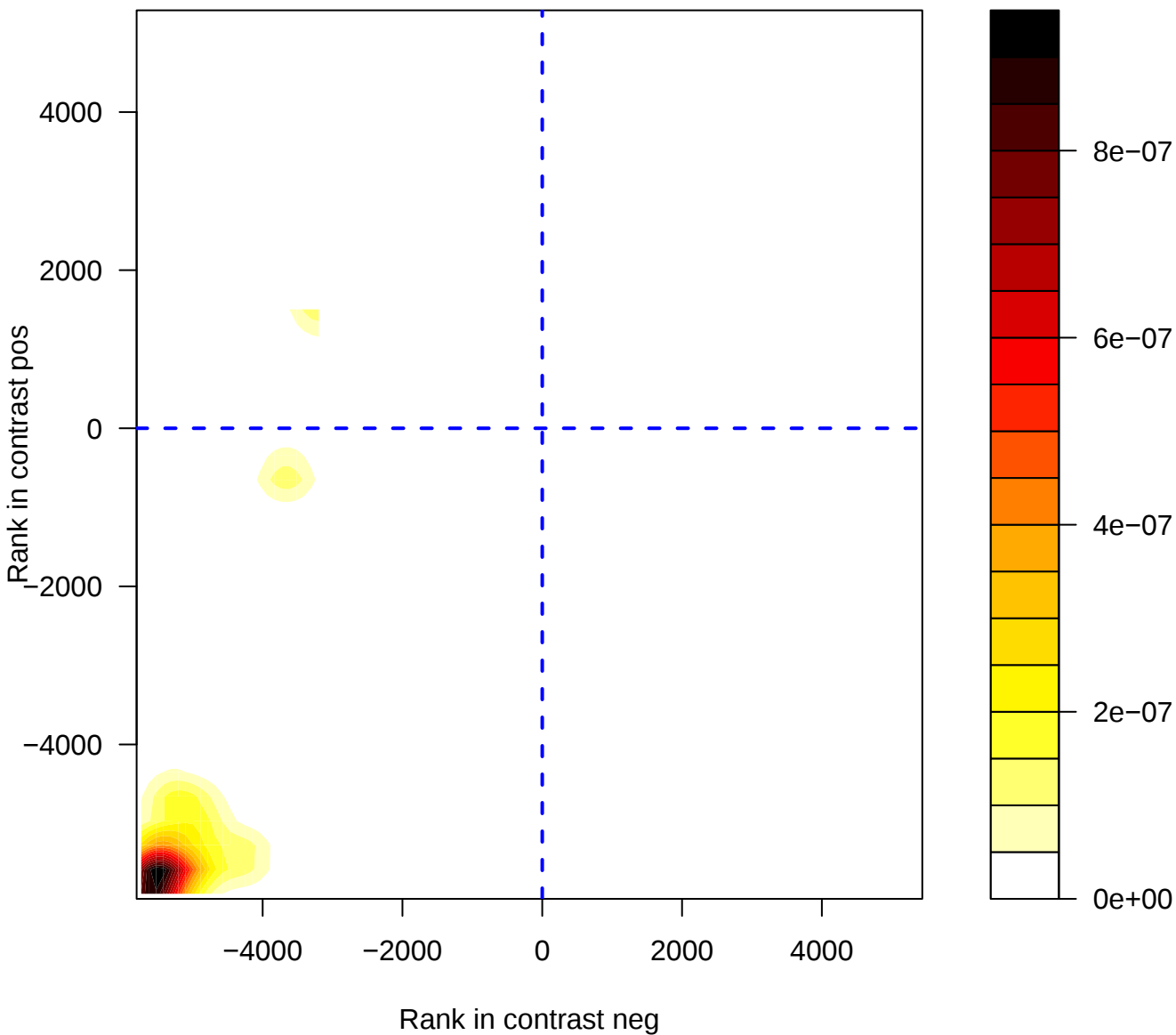
GO:0005885 Arp2/3 protein complex



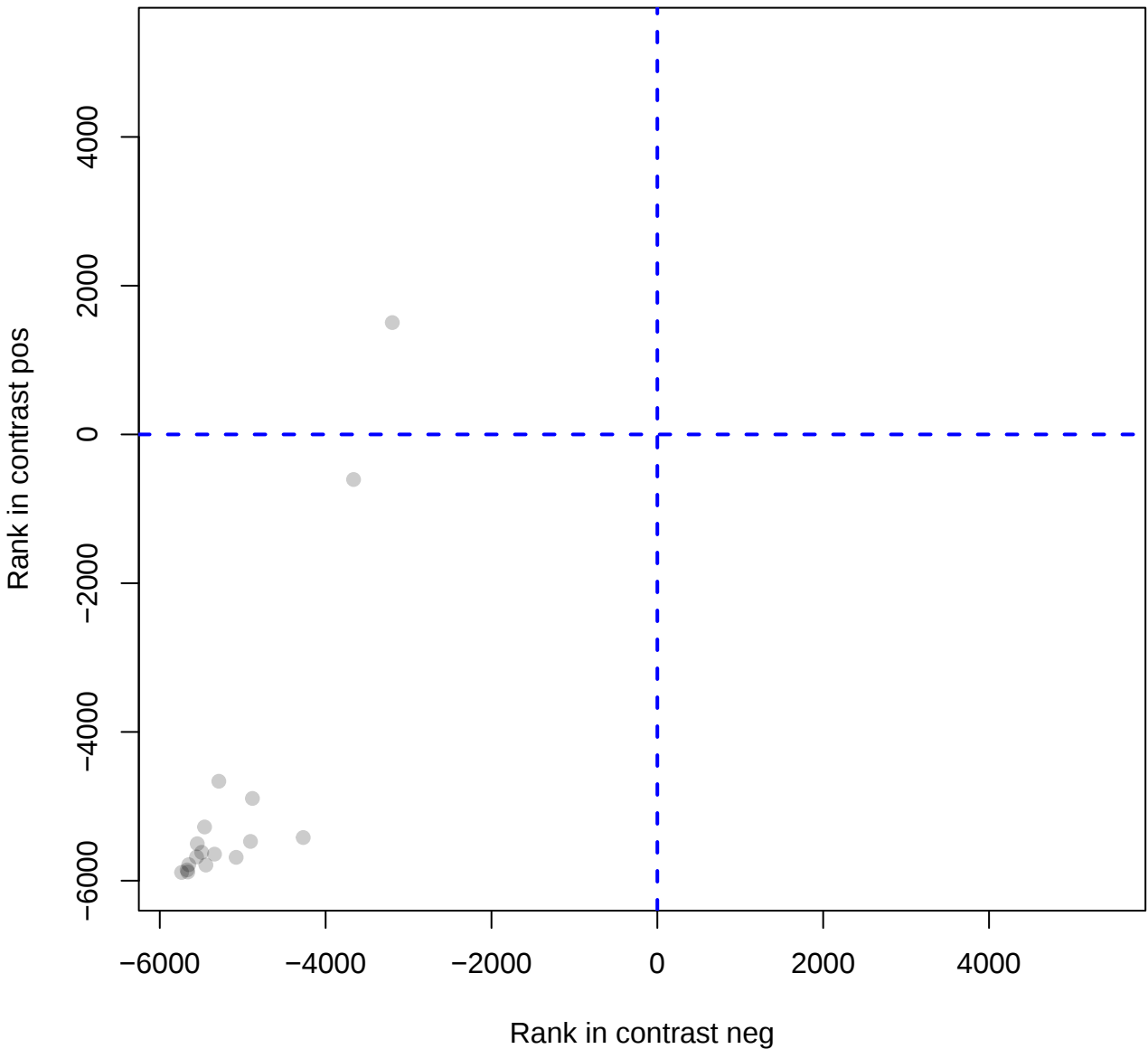
GO:0005885 Arp2/3 protein complex



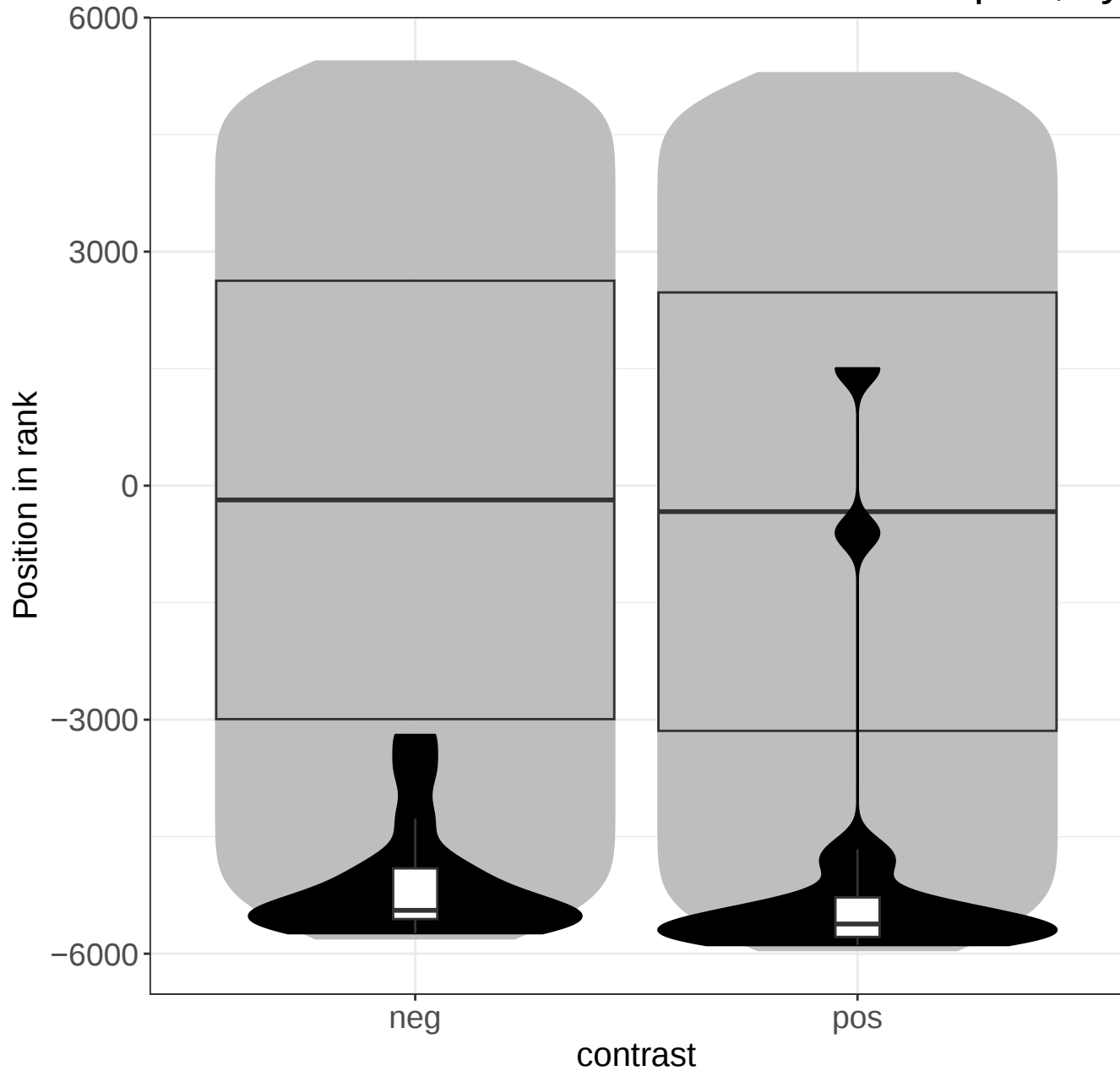
O:0006123 mitochondrial electron transport, cytochrome c to



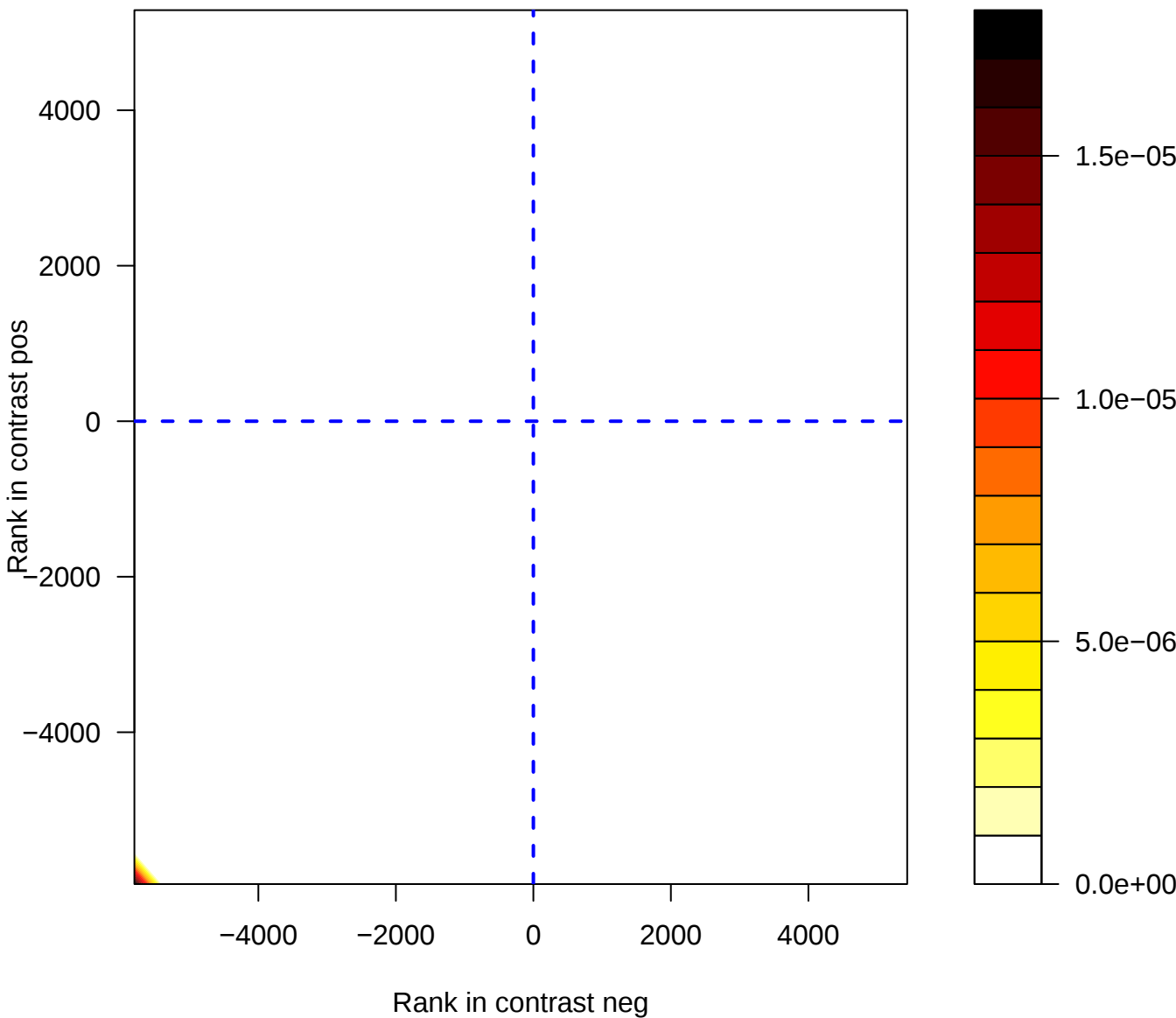
GO:0006123 mitochondrial electron transport, cytochrome c to oxygen



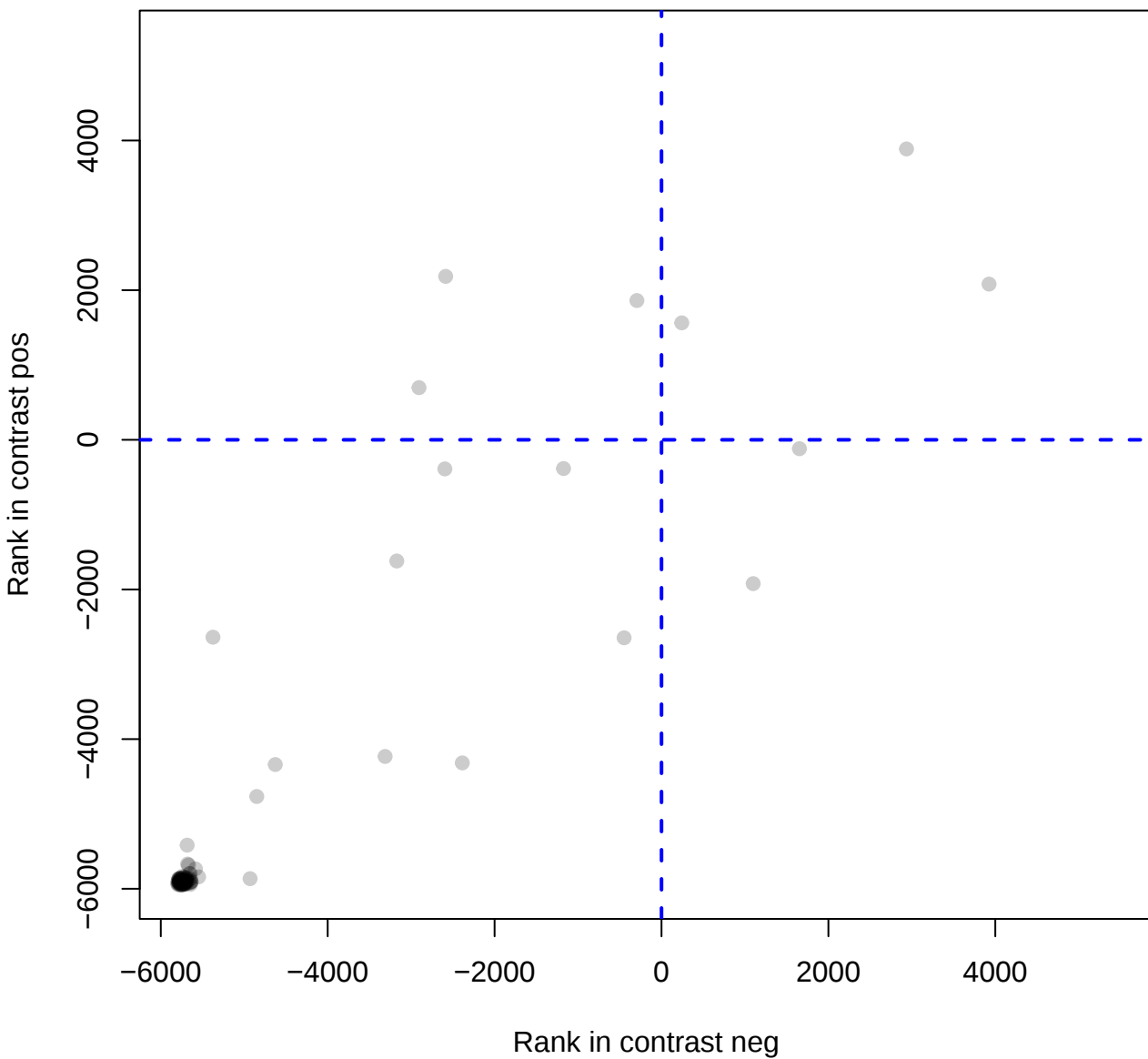
GO:0006123 mitochondrial electron transport, cytochrome



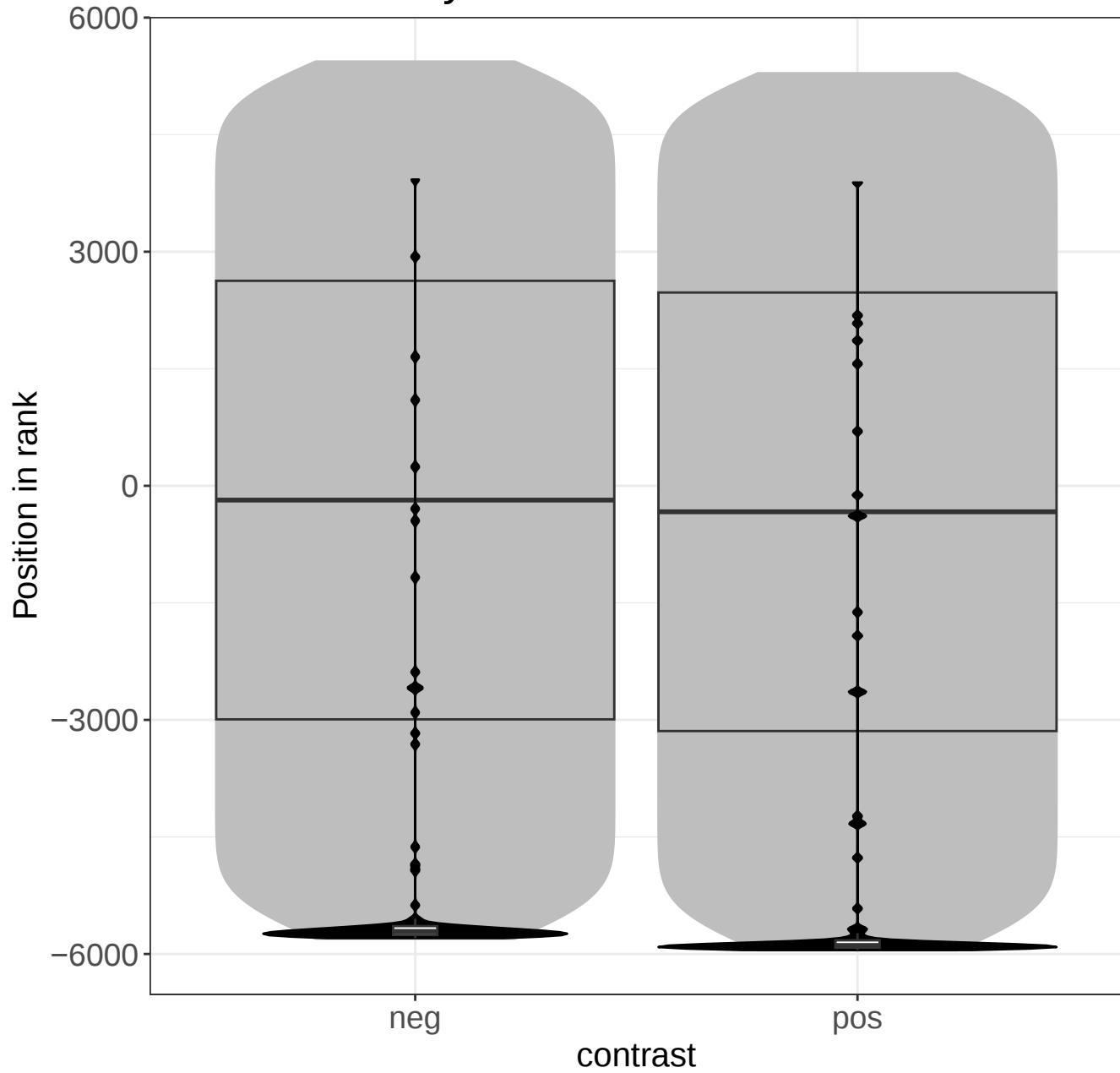
GO:0022626 cytosolic ribosome



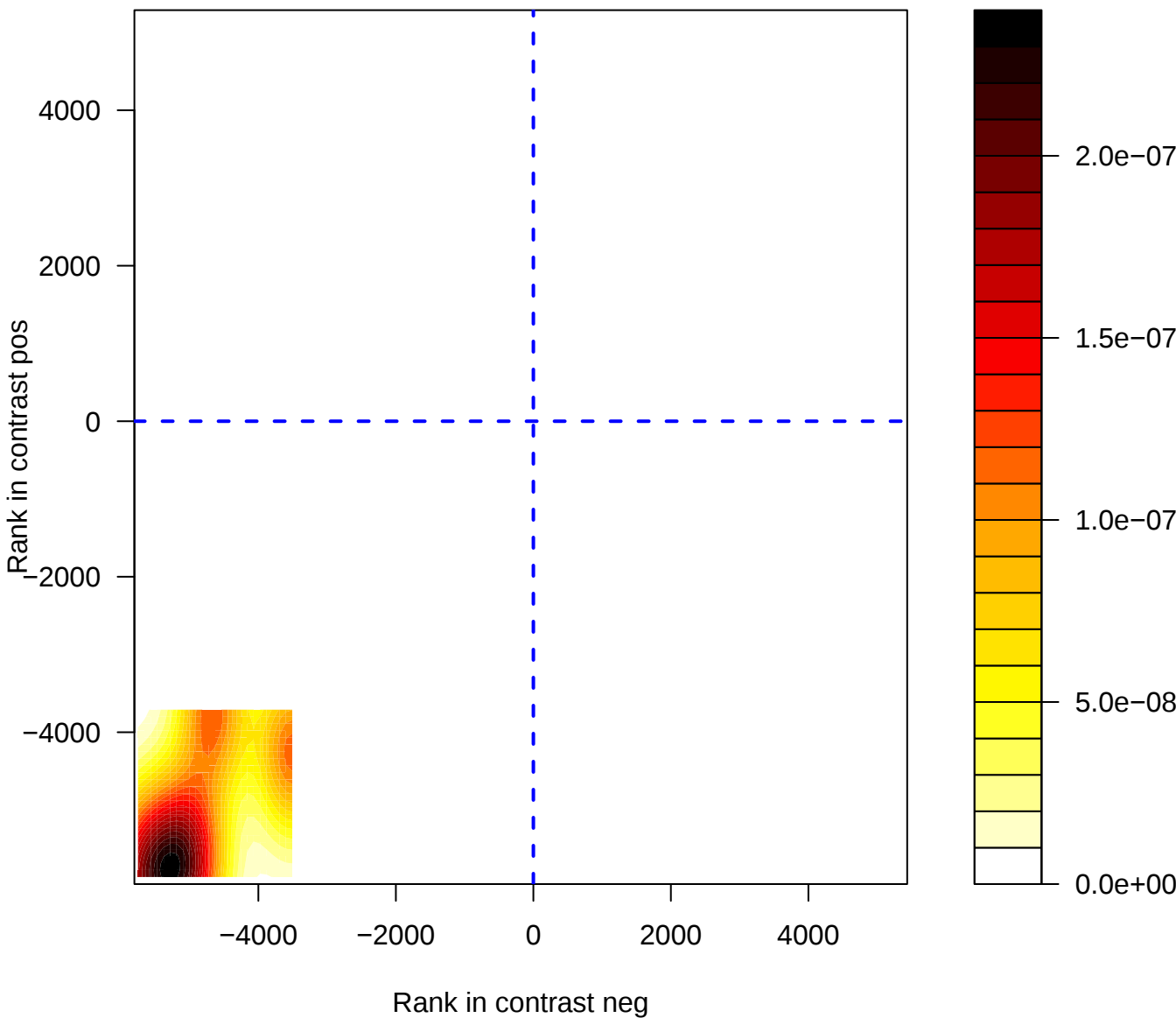
GO:0022626 cytosolic ribosome



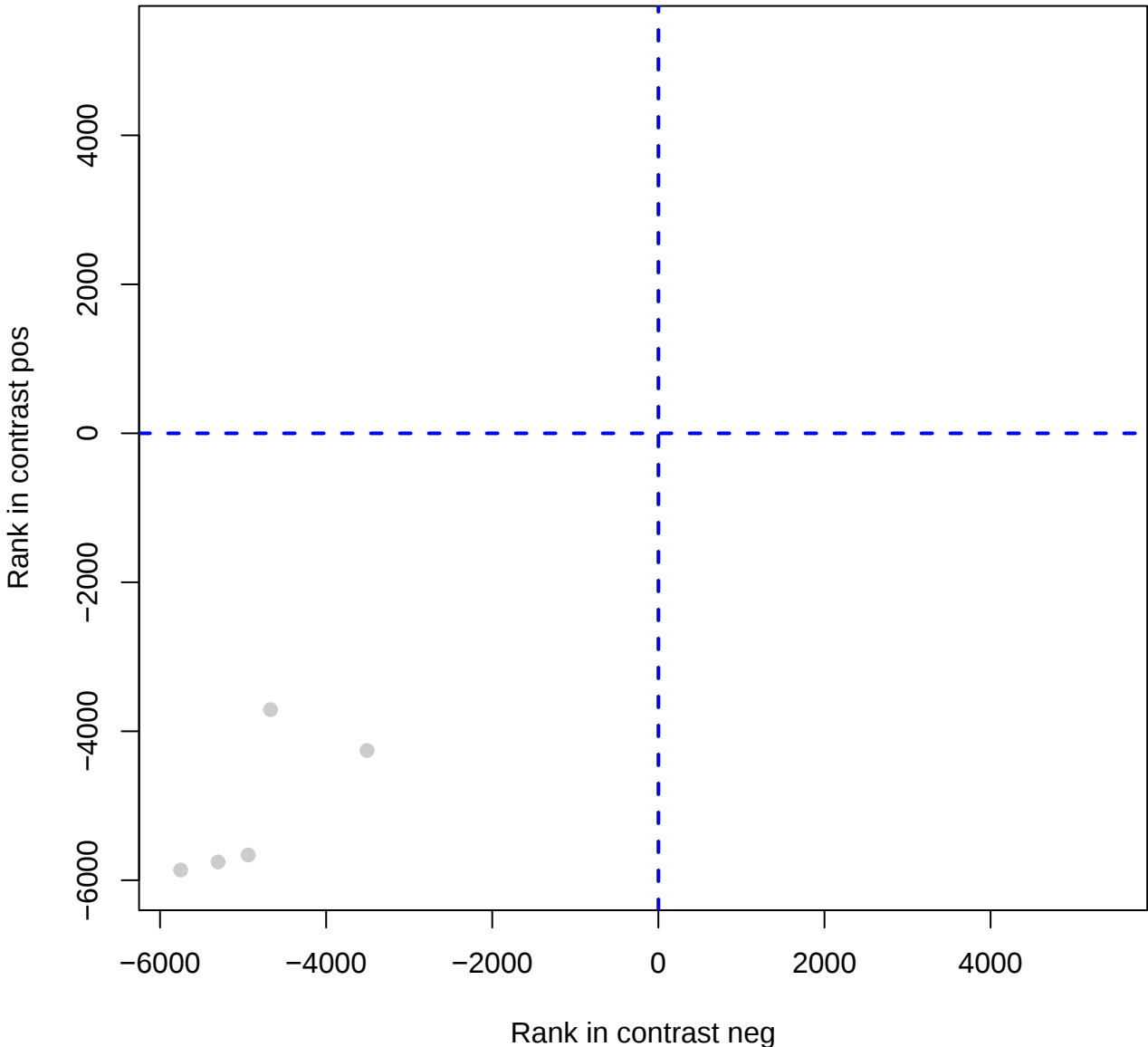
GO:0022626 cytosolic ribosome



:1902037 negative regulation of hematopoietic stem cell diffe



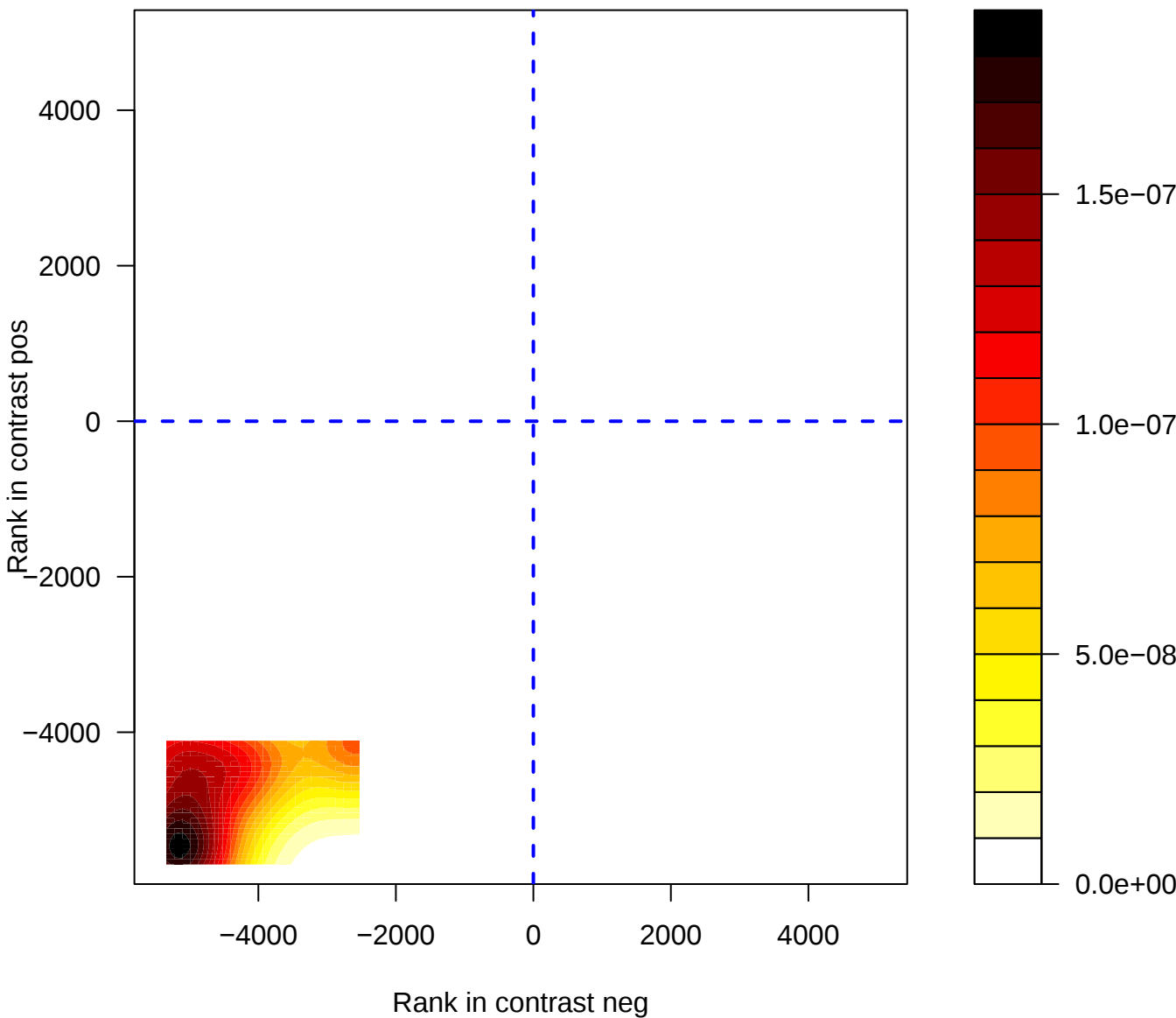
GO:1902037 negative regulation of hematopoietic stem cell differentiation



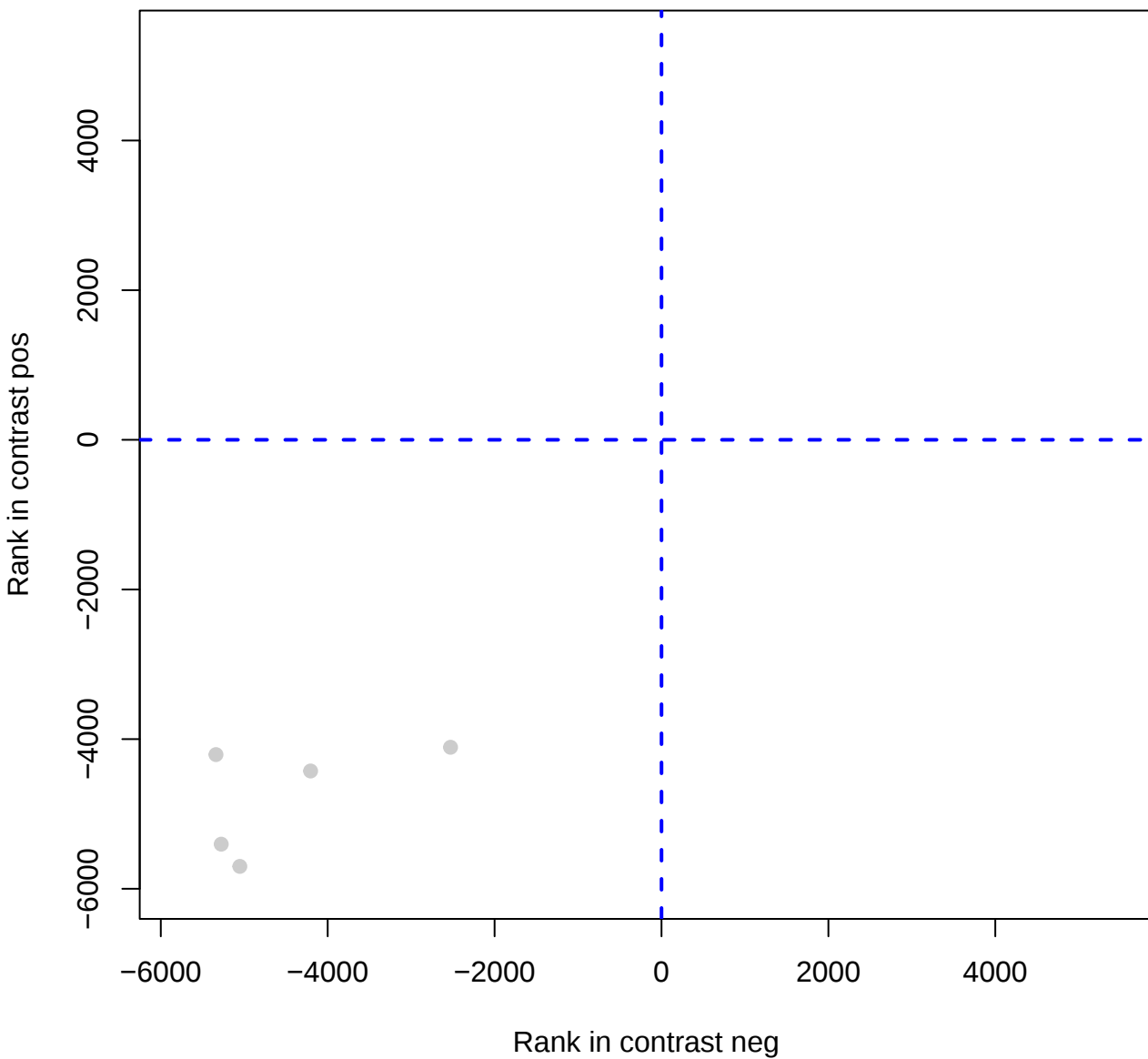
GO:1902037 negative regulation of hematopoietic



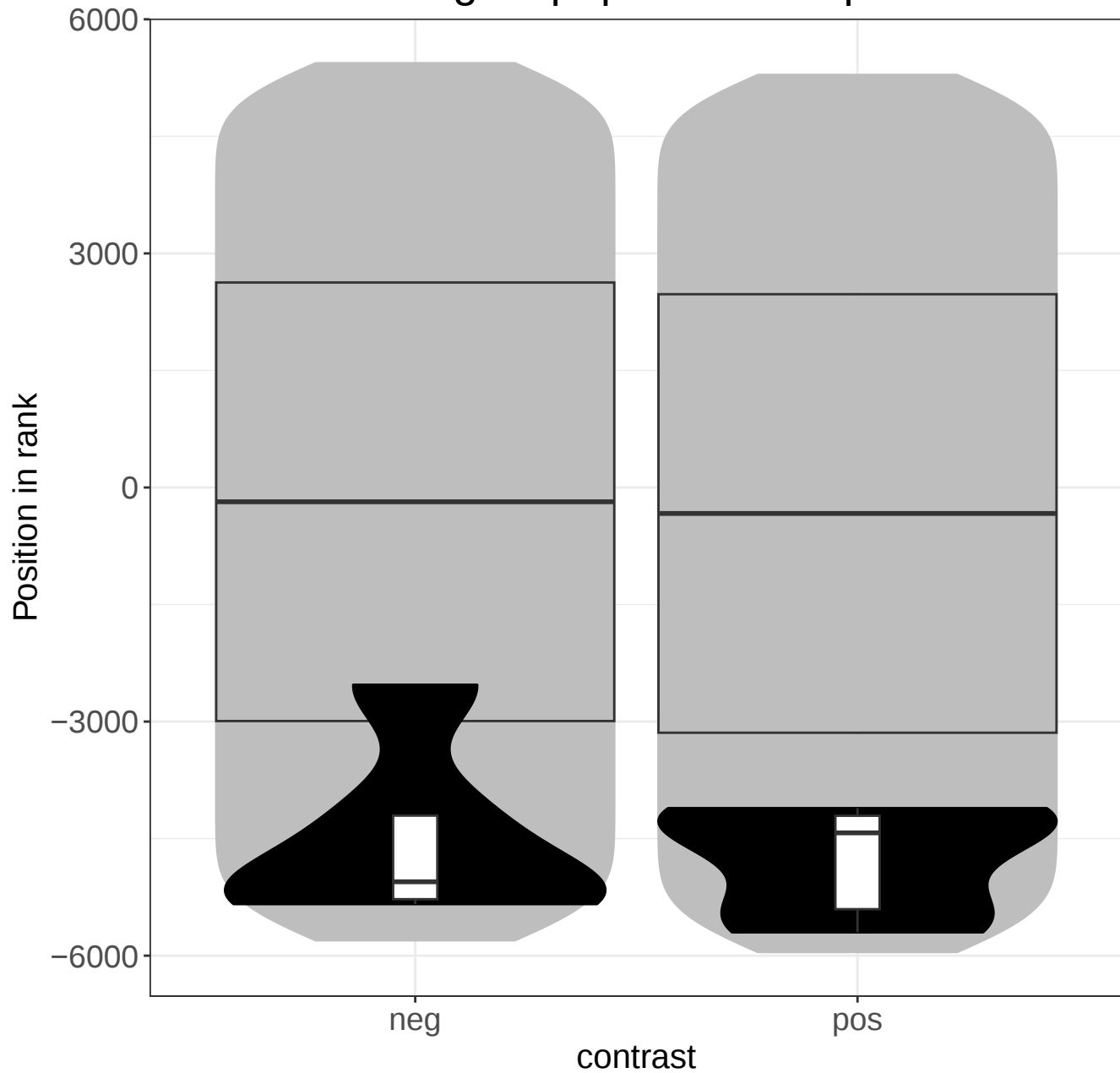
GO:0005787 signal peptidase complex



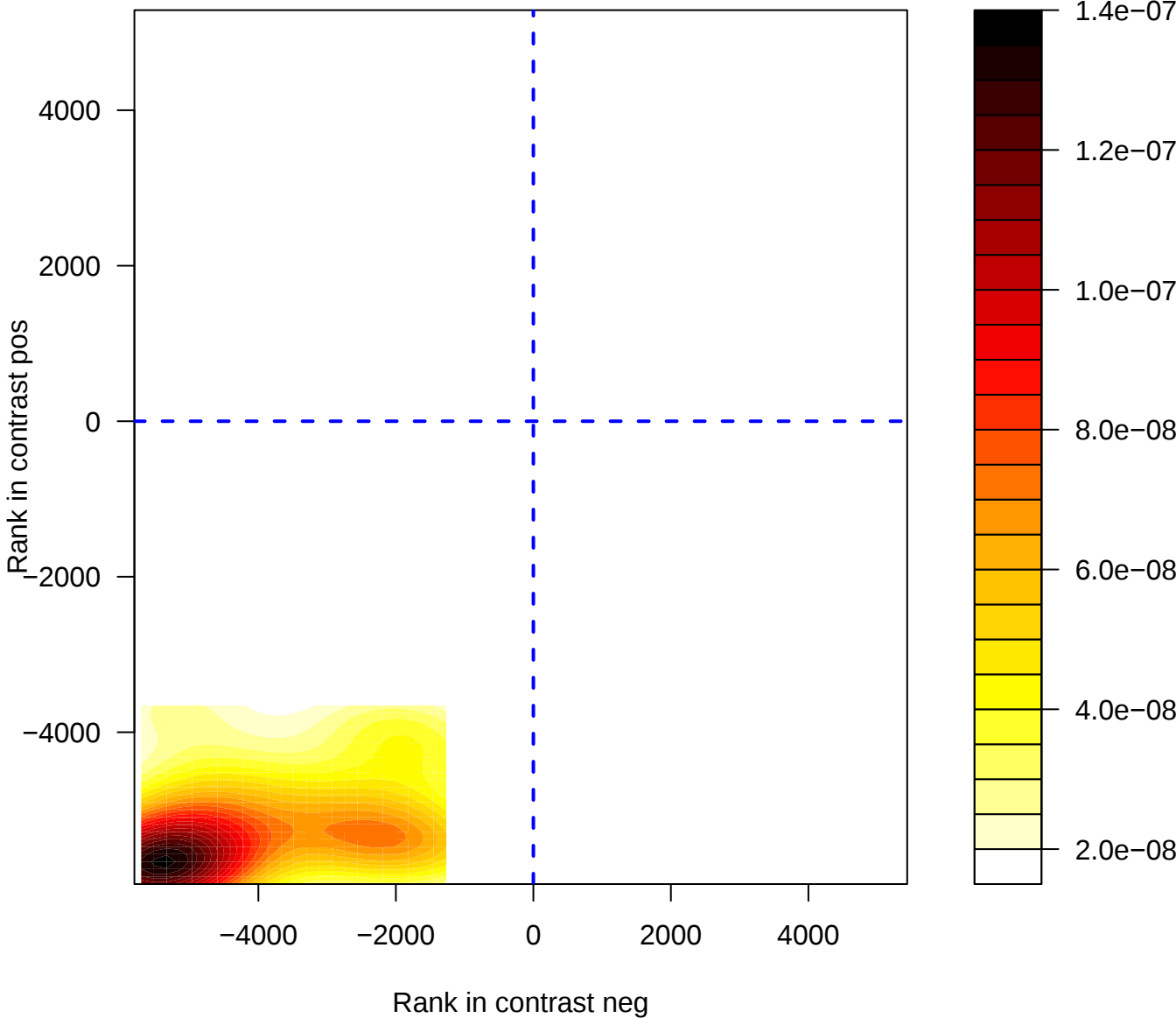
GO:0005787 signal peptidase complex



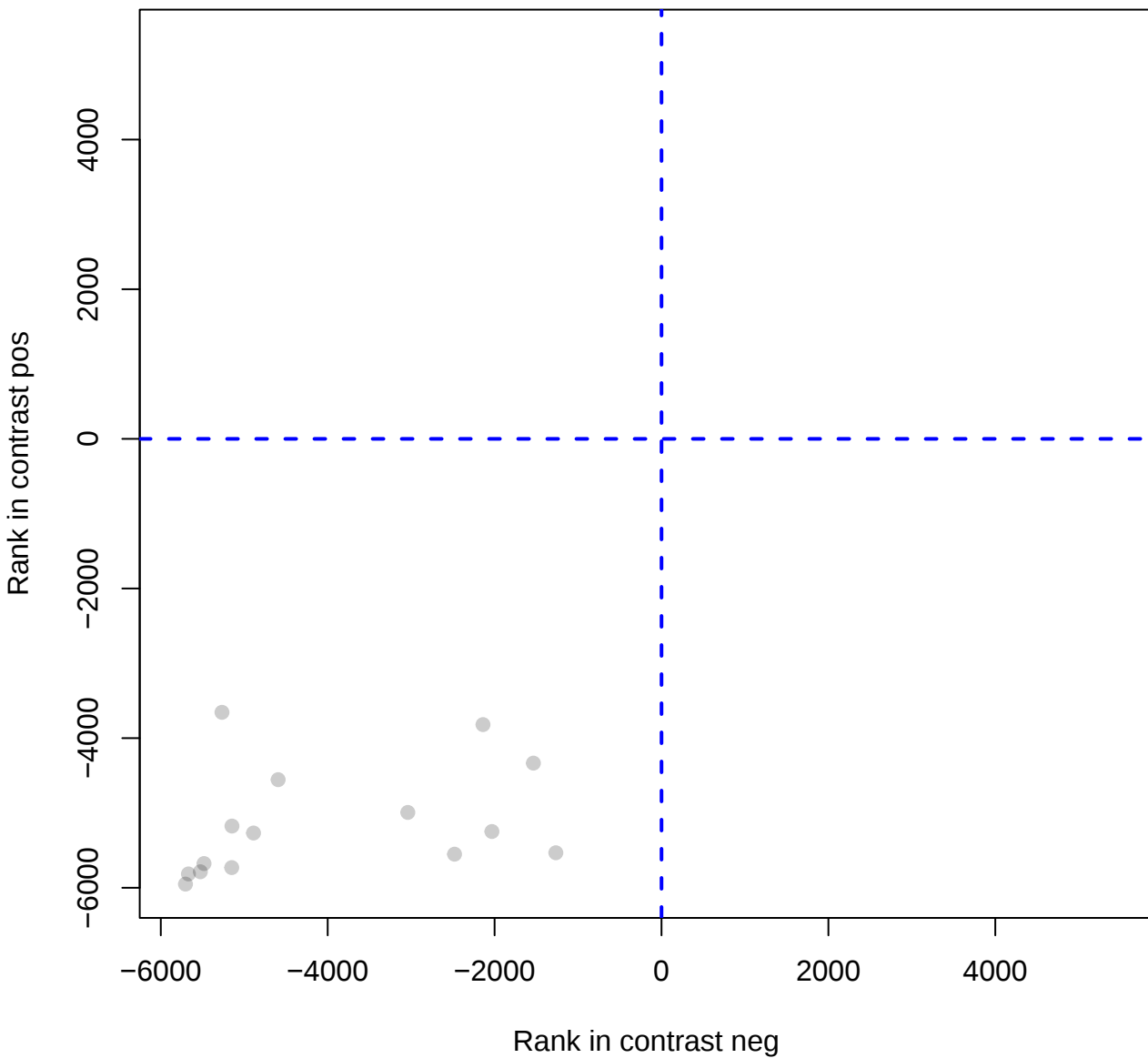
GO:0005787 signal peptidase complex



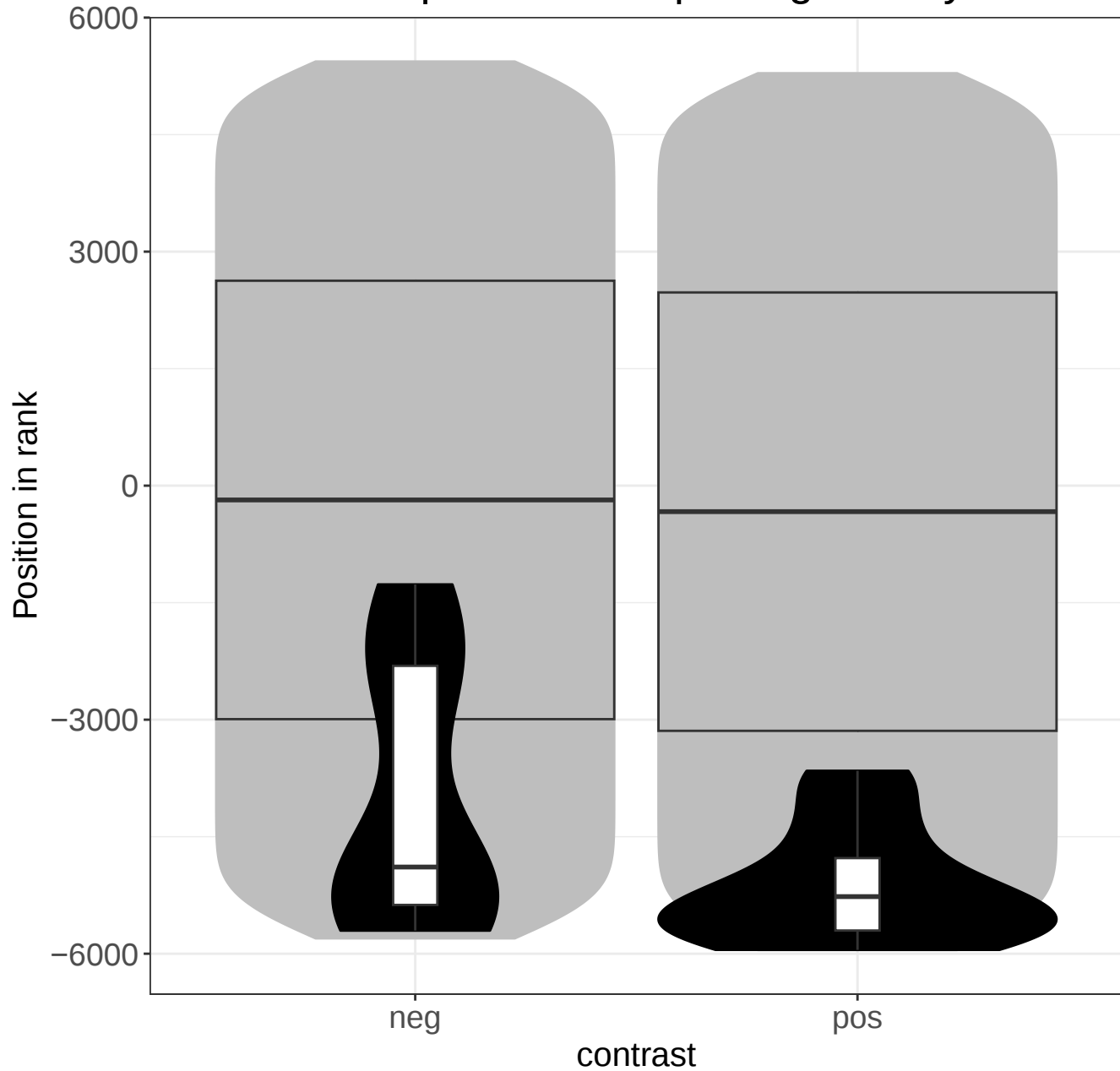
GO:0045259 proton-transporting ATP synthase comple



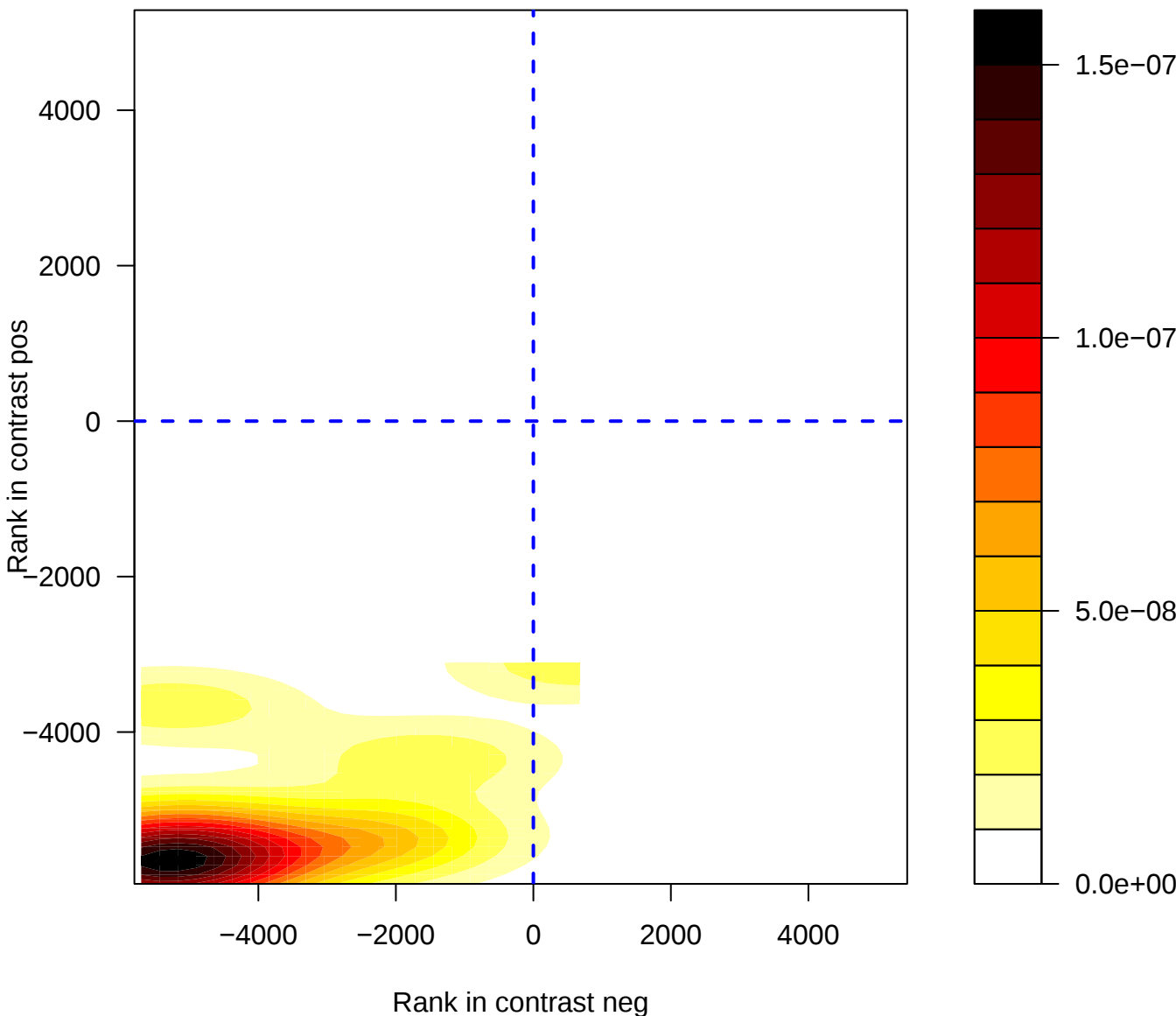
GO:0045259 proton-transporting ATP synthase complex



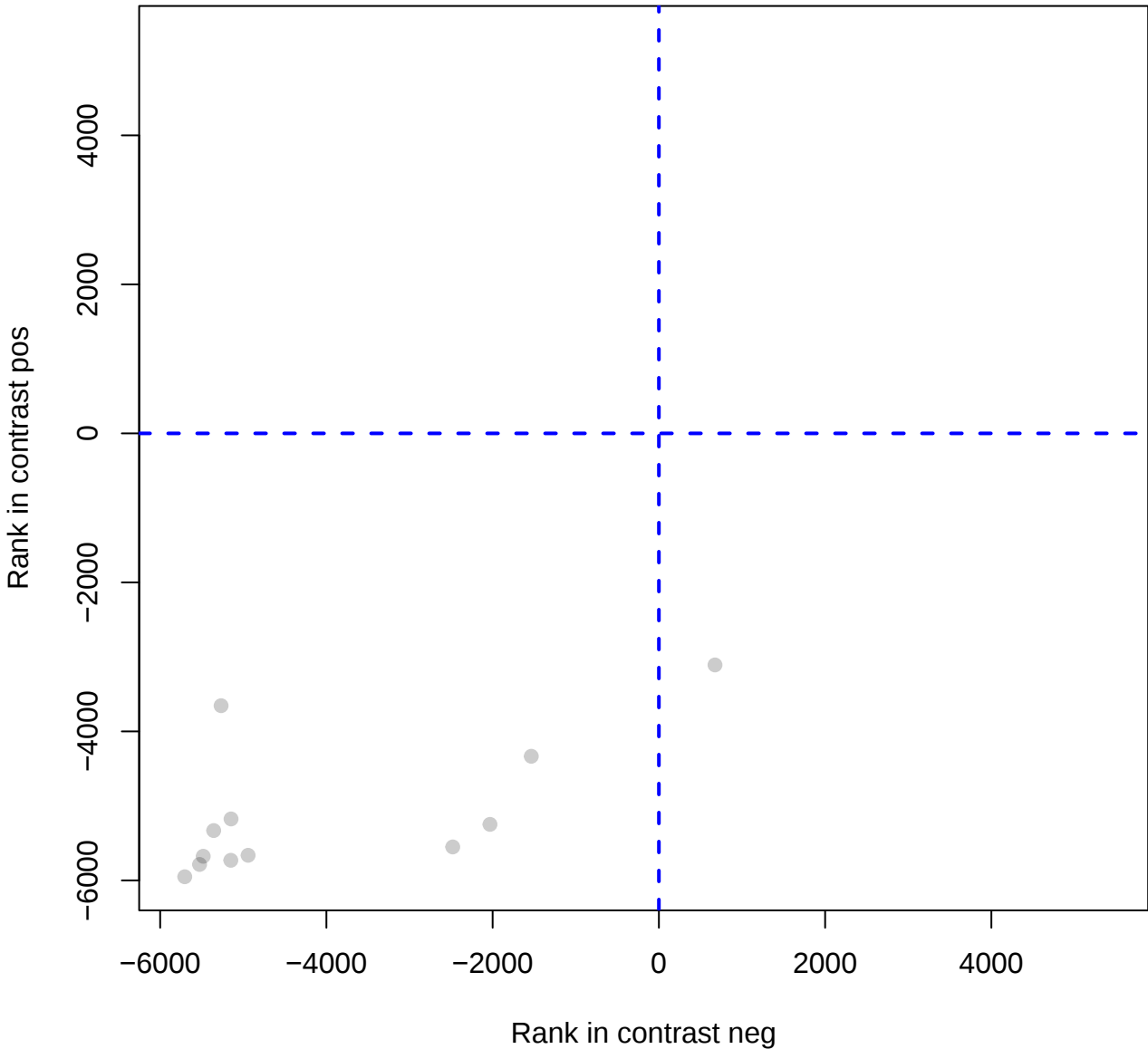
GO:0045259 proton-transporting ATP synthase c



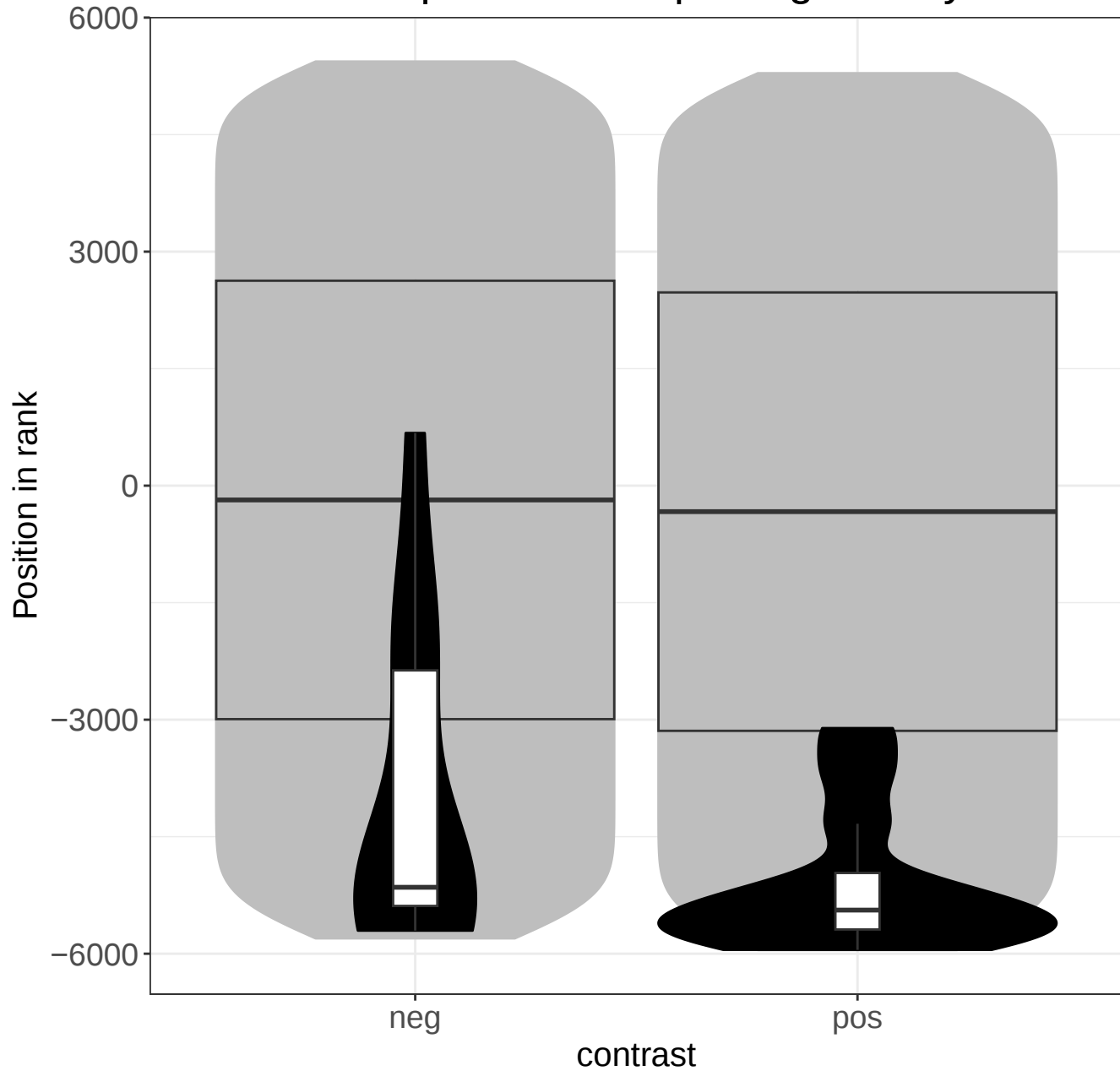
045263 proton-transporting ATP synthase complex, coupling



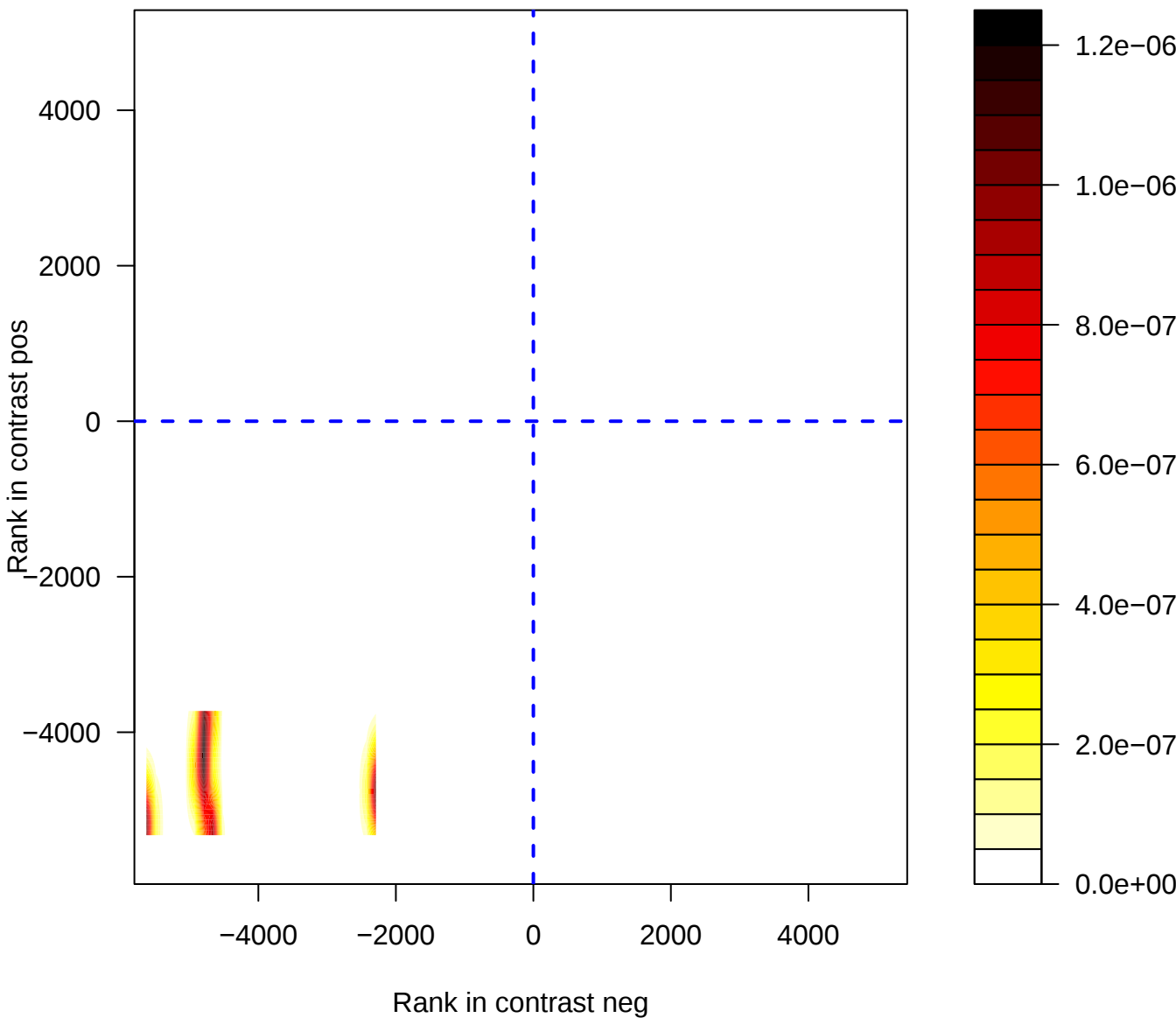
GO:0045263 proton-transporting ATP synthase complex, coupling factor F



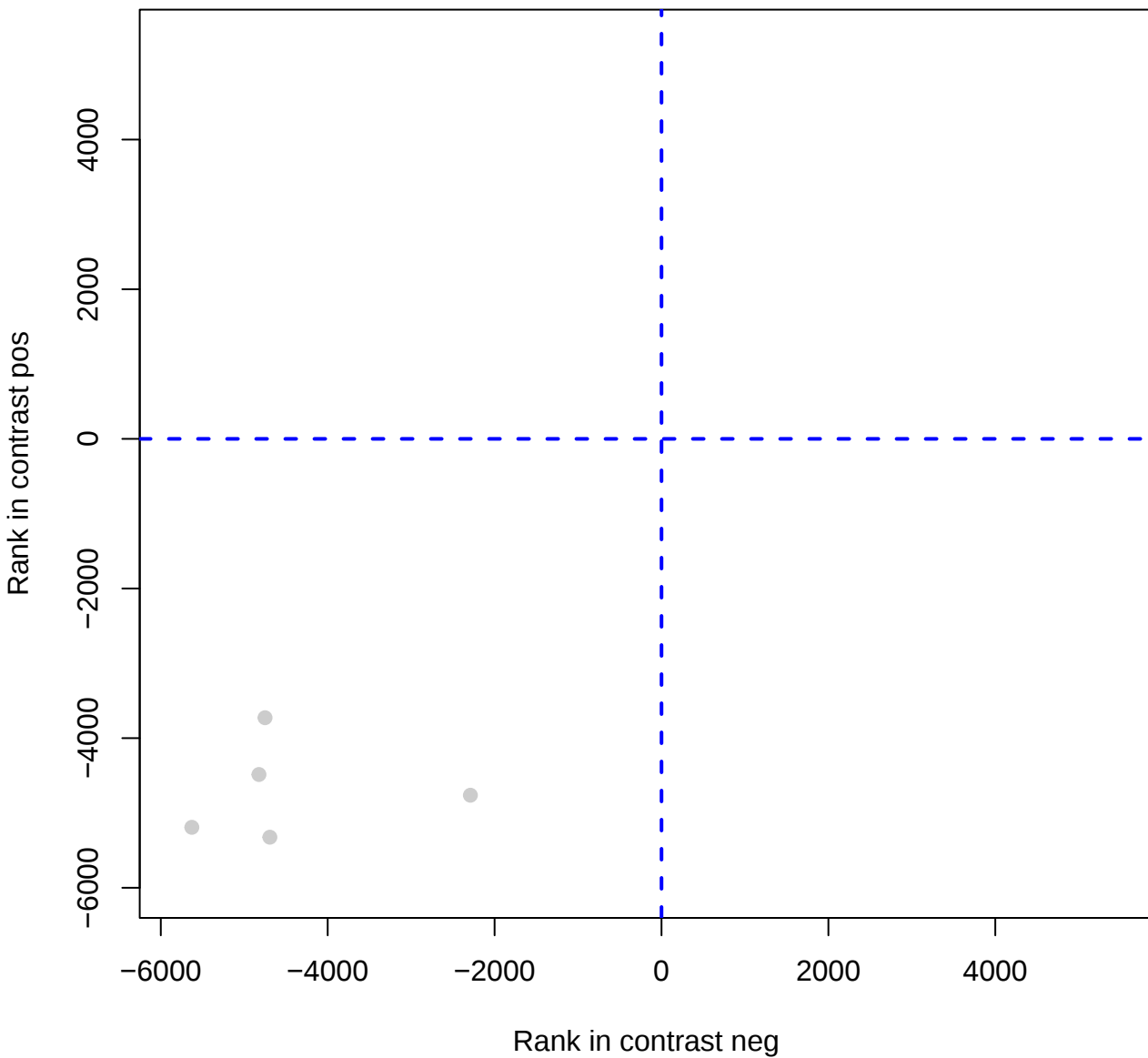
GO:0045263 proton-transporting ATP synthase c



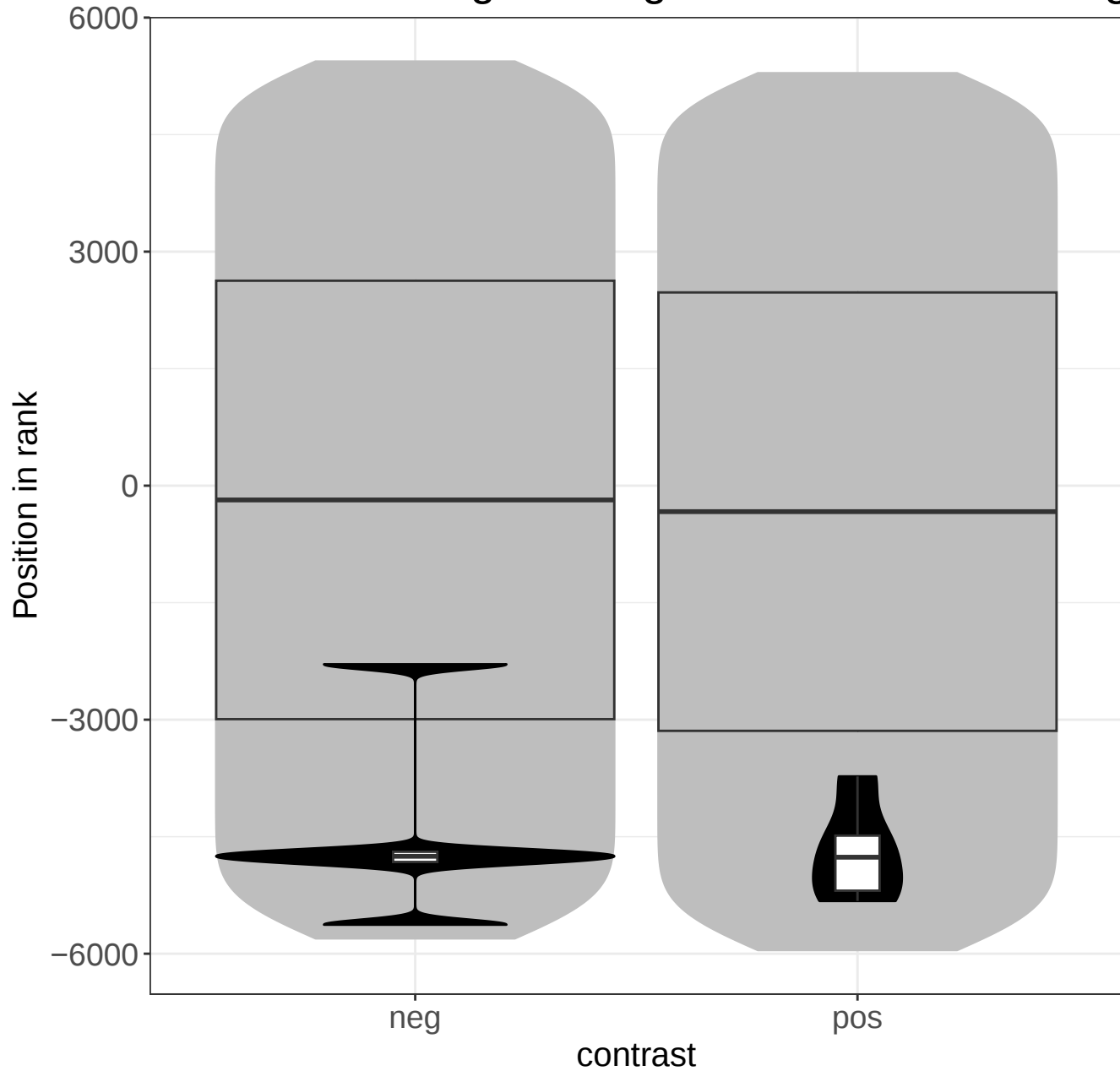
GO:0010764 negative regulation of fibroblast migration



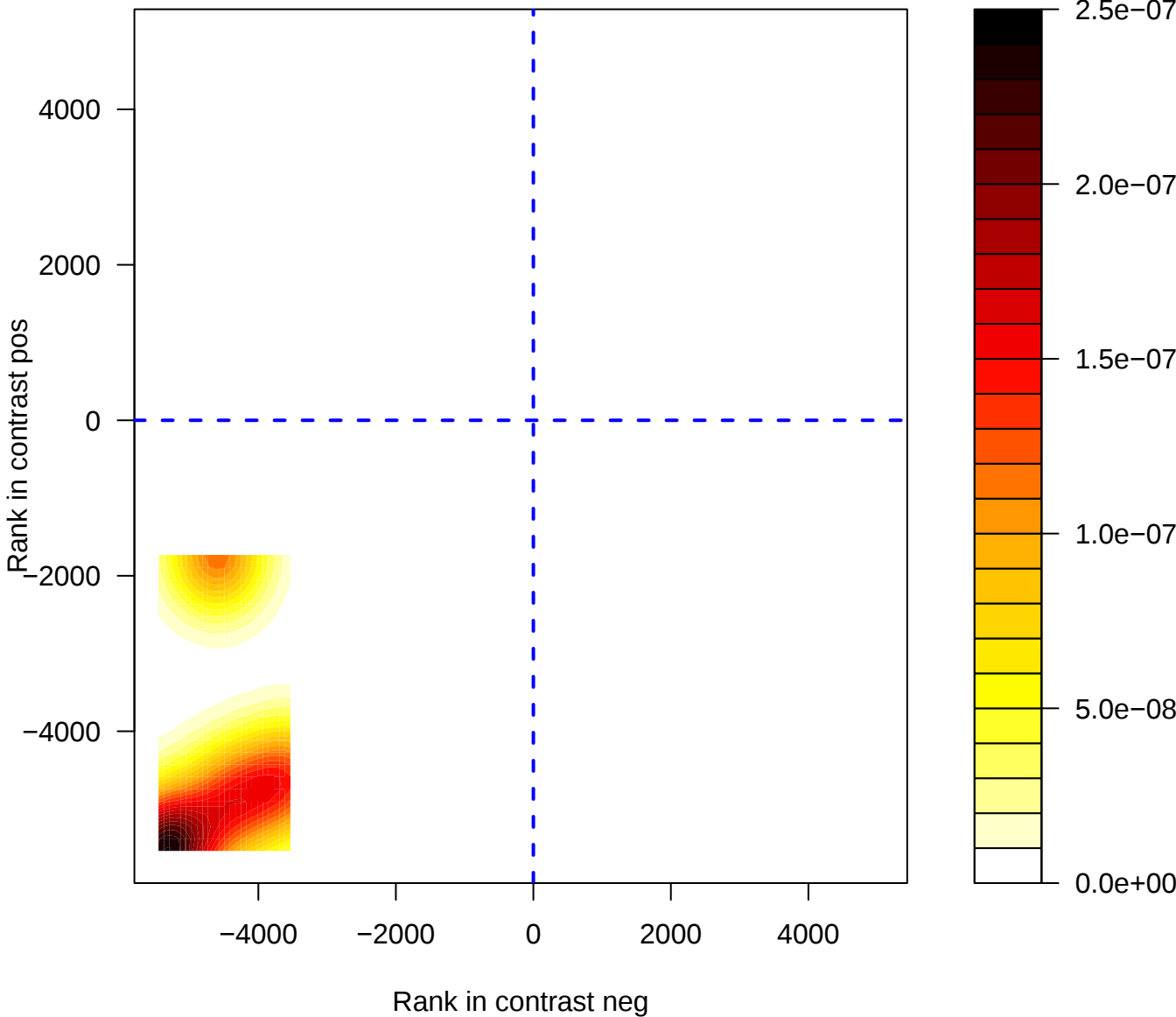
GO:0010764 negative regulation of fibroblast migration



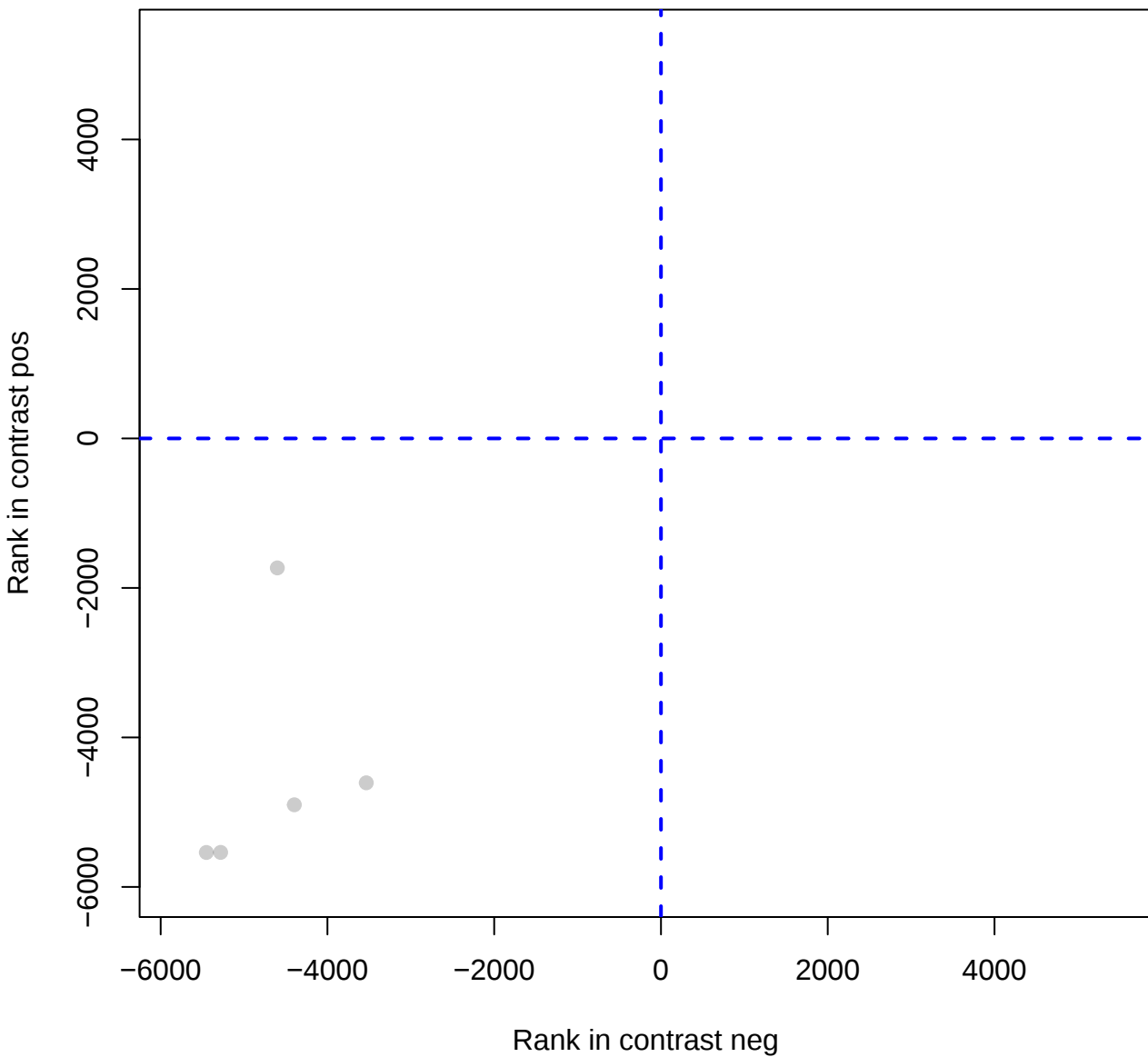
GO:0010764 negative regulation of fibroblast migration



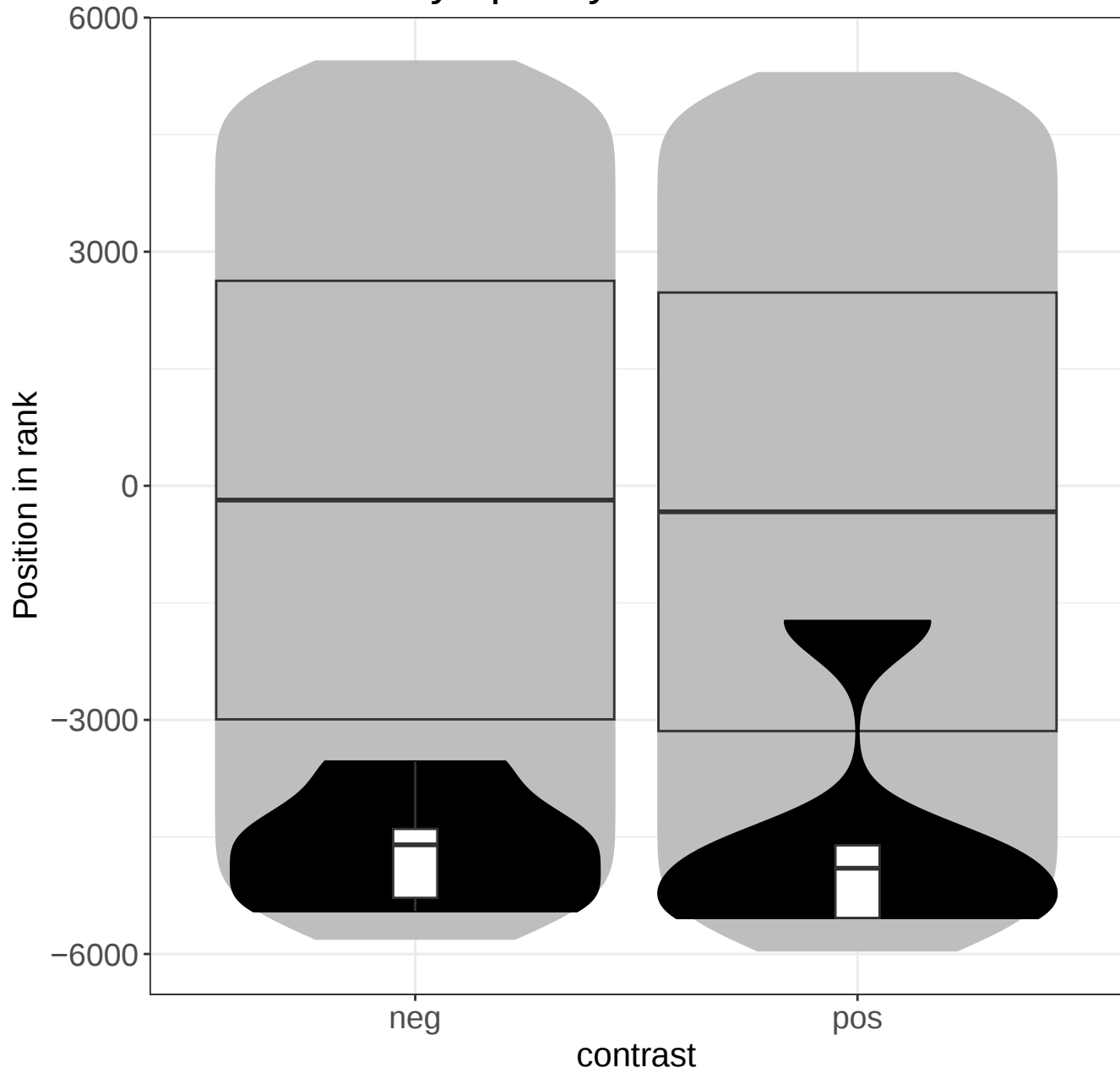
GO:0030098 lymphocyte differentiation



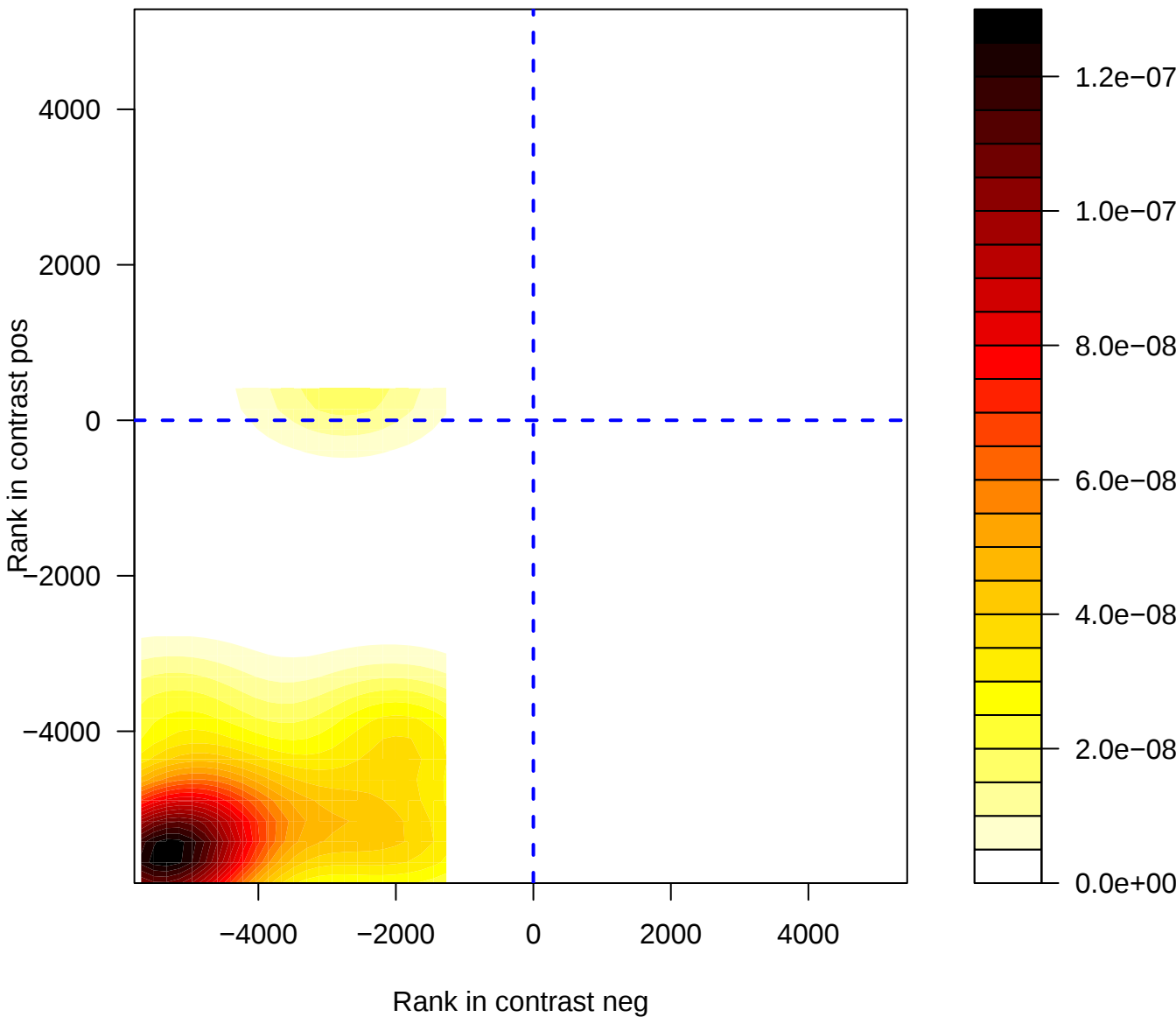
GO:0030098 lymphocyte differentiation



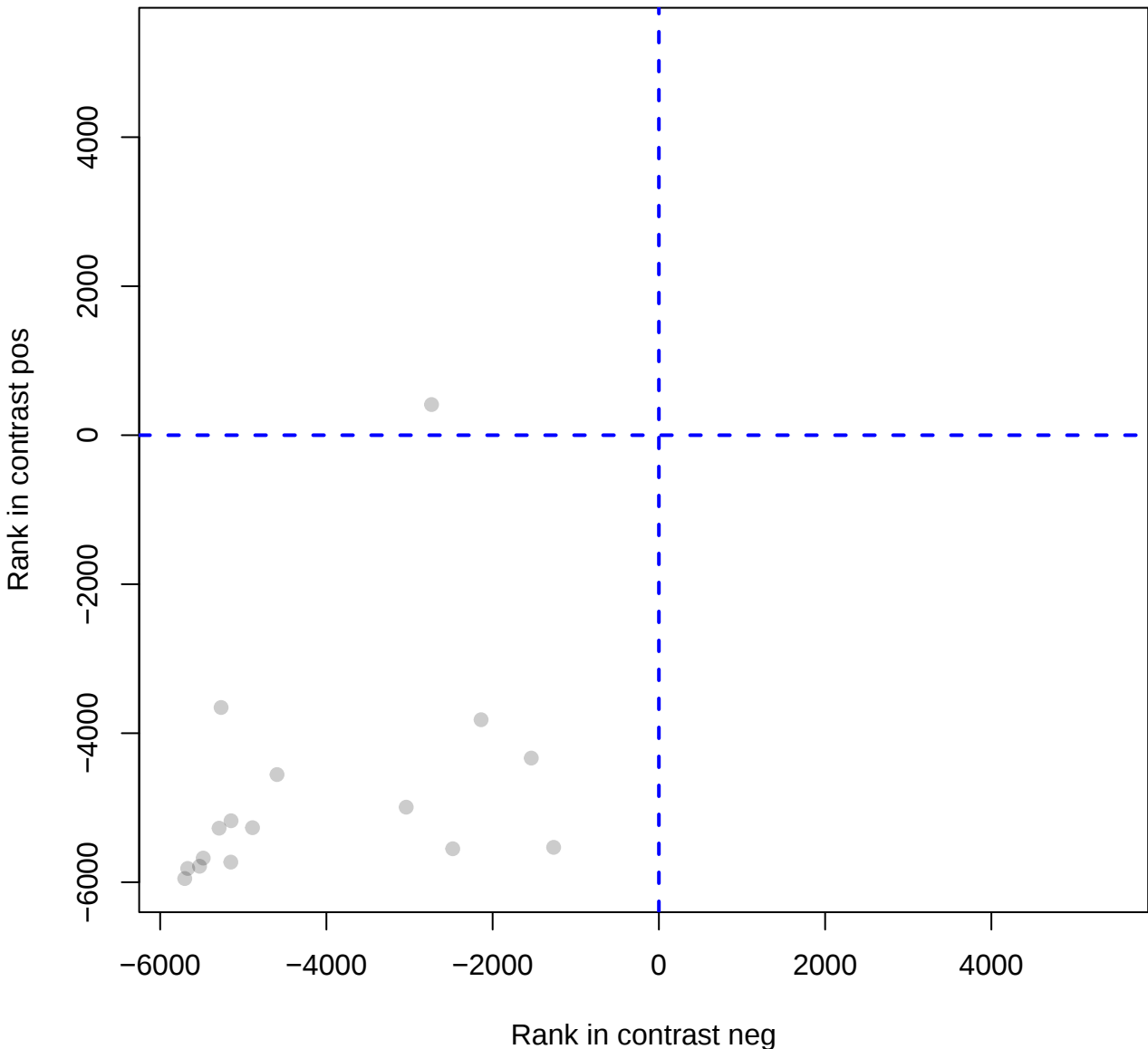
GO:0030098 lymphocyte differentiation



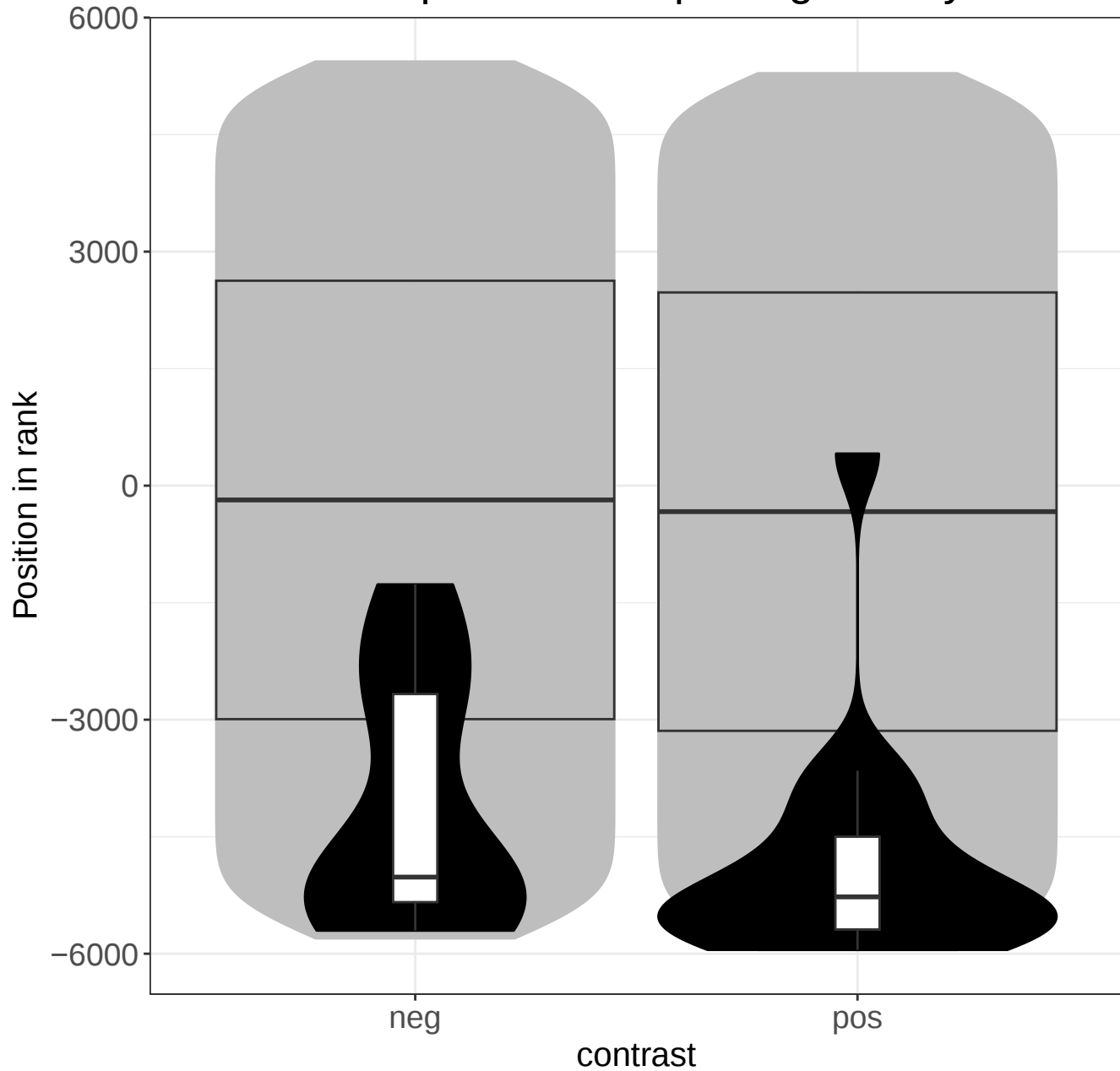
046933 proton-transporting ATP synthase activity, rotational



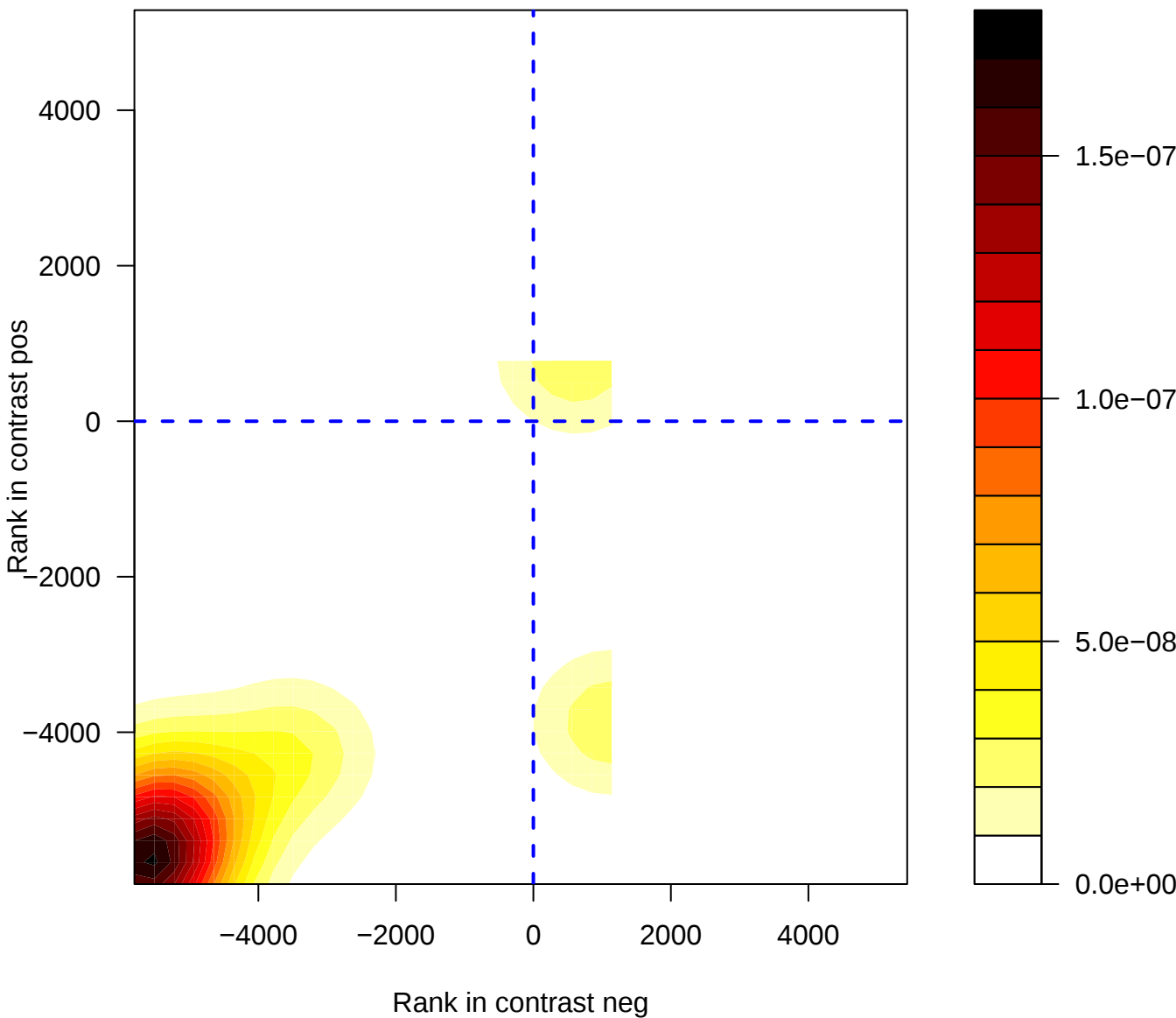
GO:0046933 proton-transporting ATP synthase activity, rotational mechan



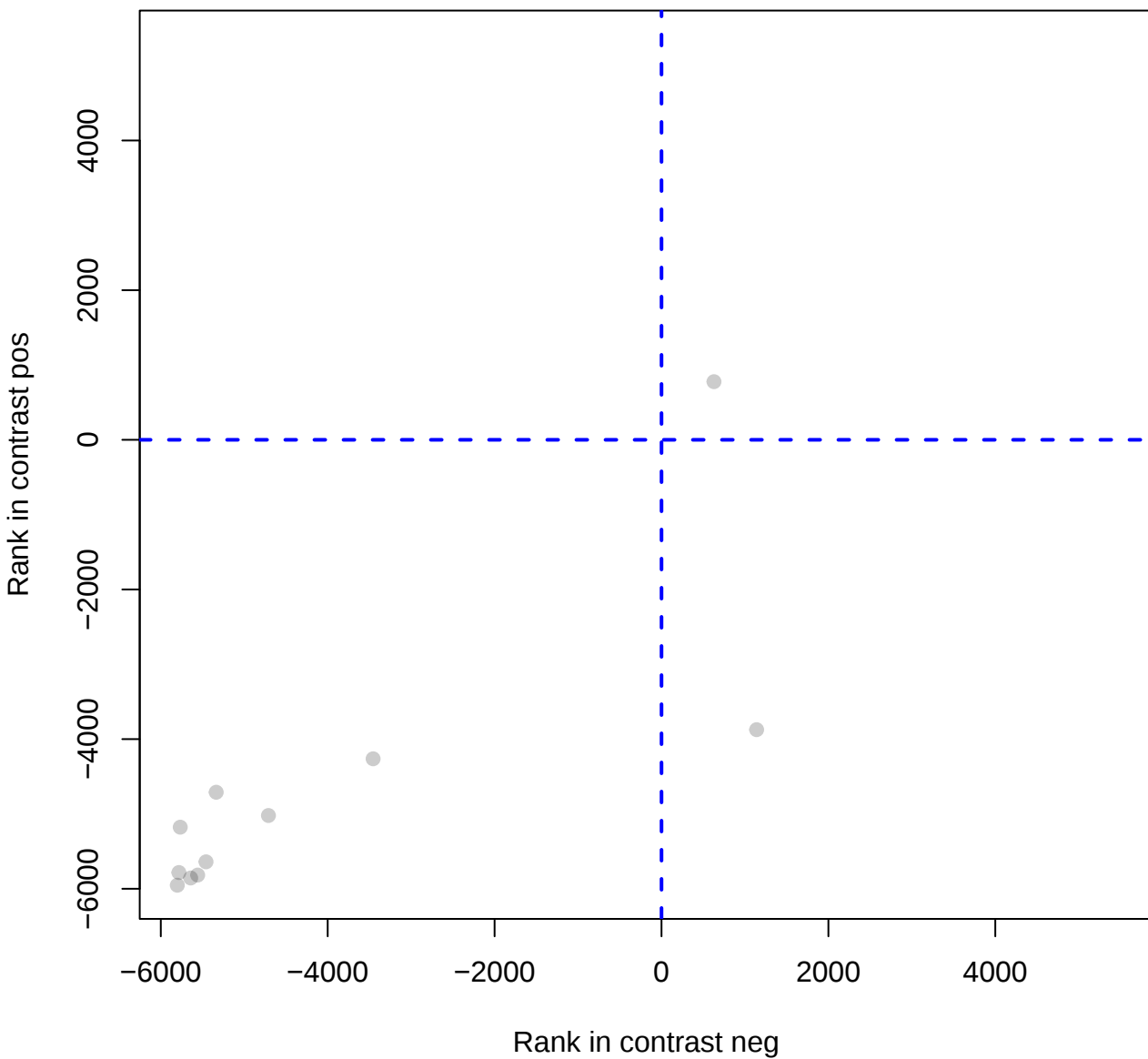
GO:0046933 proton-transporting ATP synthase a



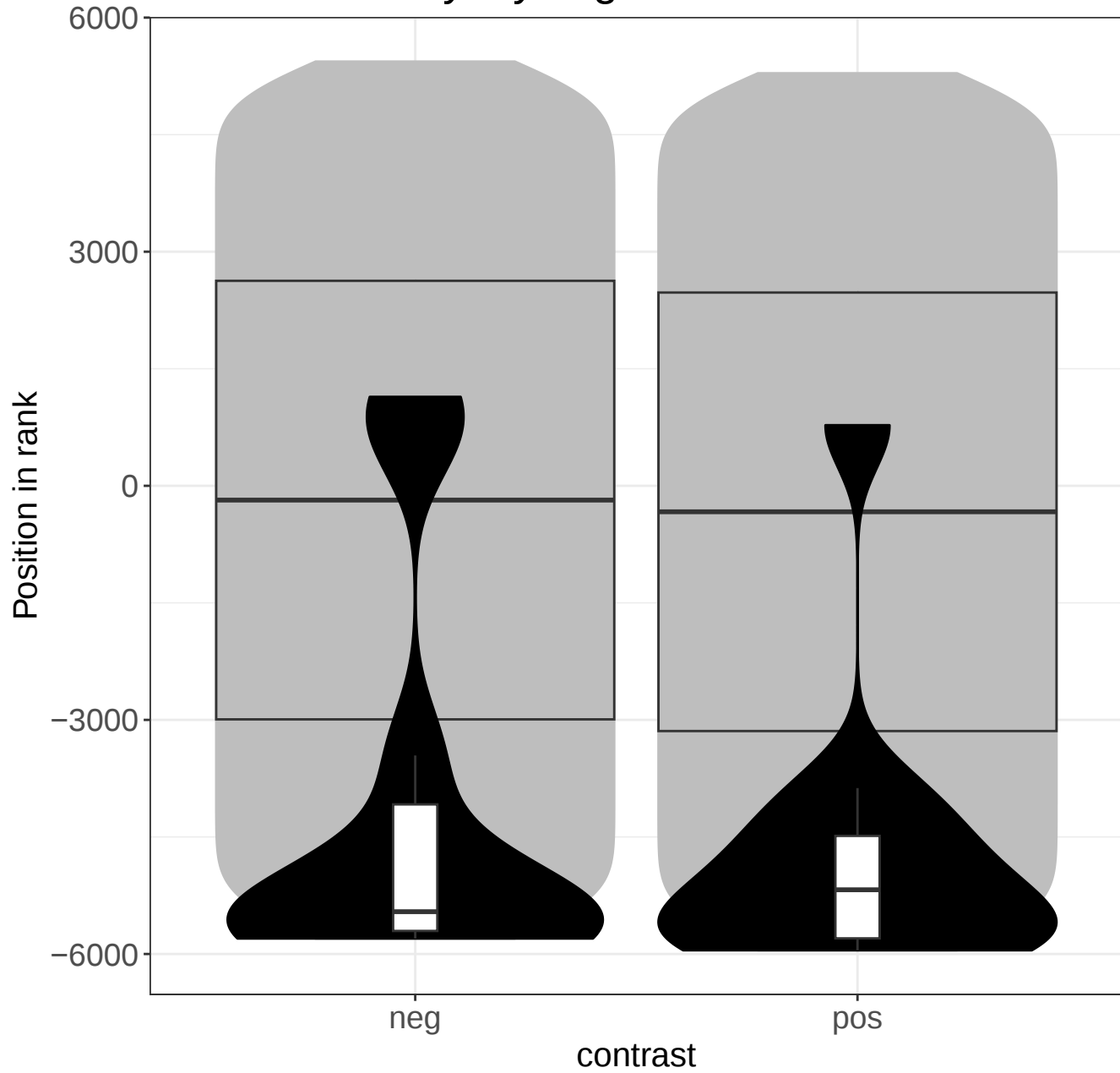
GO:0044194 cytolytic granule



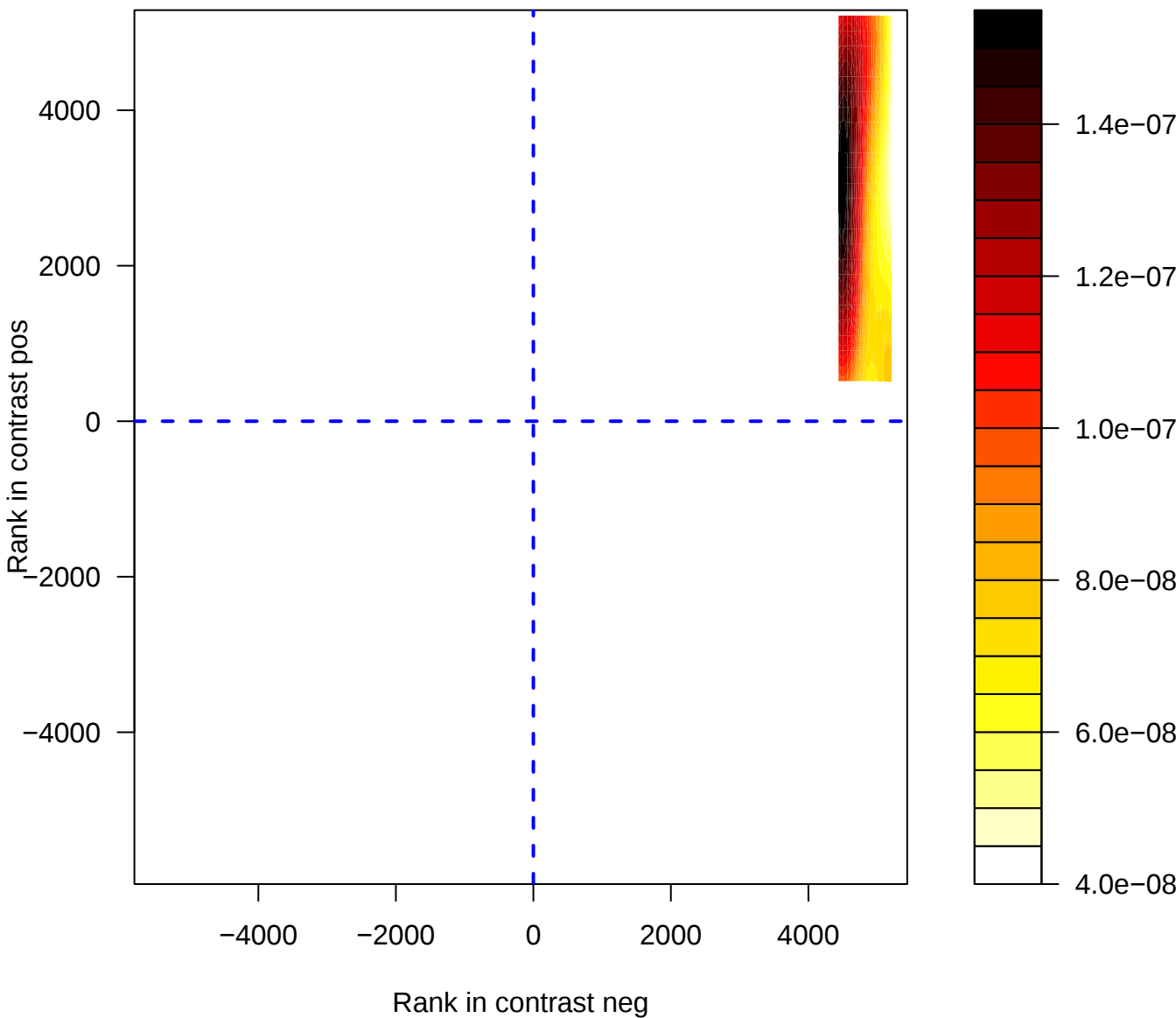
GO:0044194 cytolytic granule



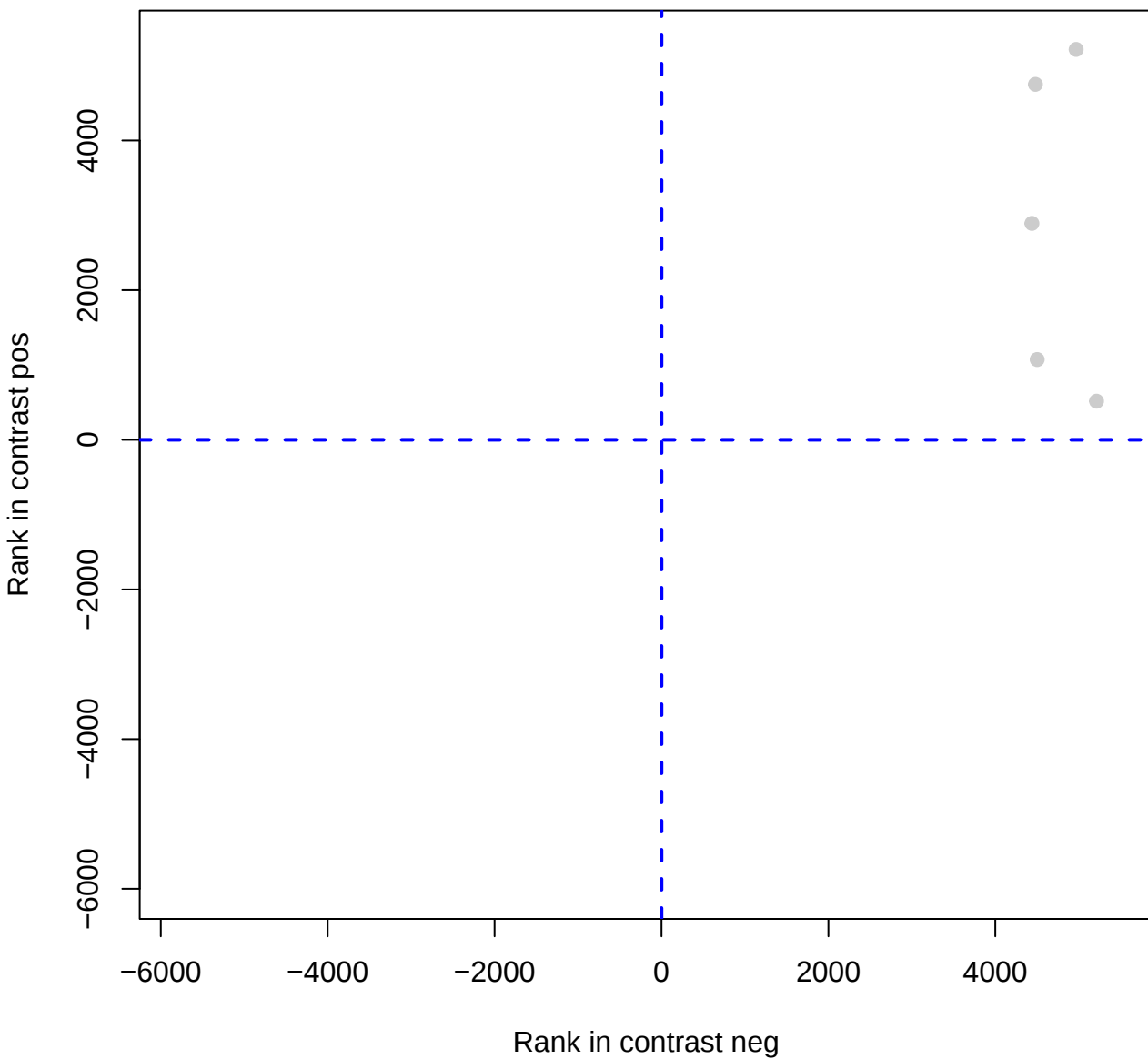
GO:0044194 cytolytic granule



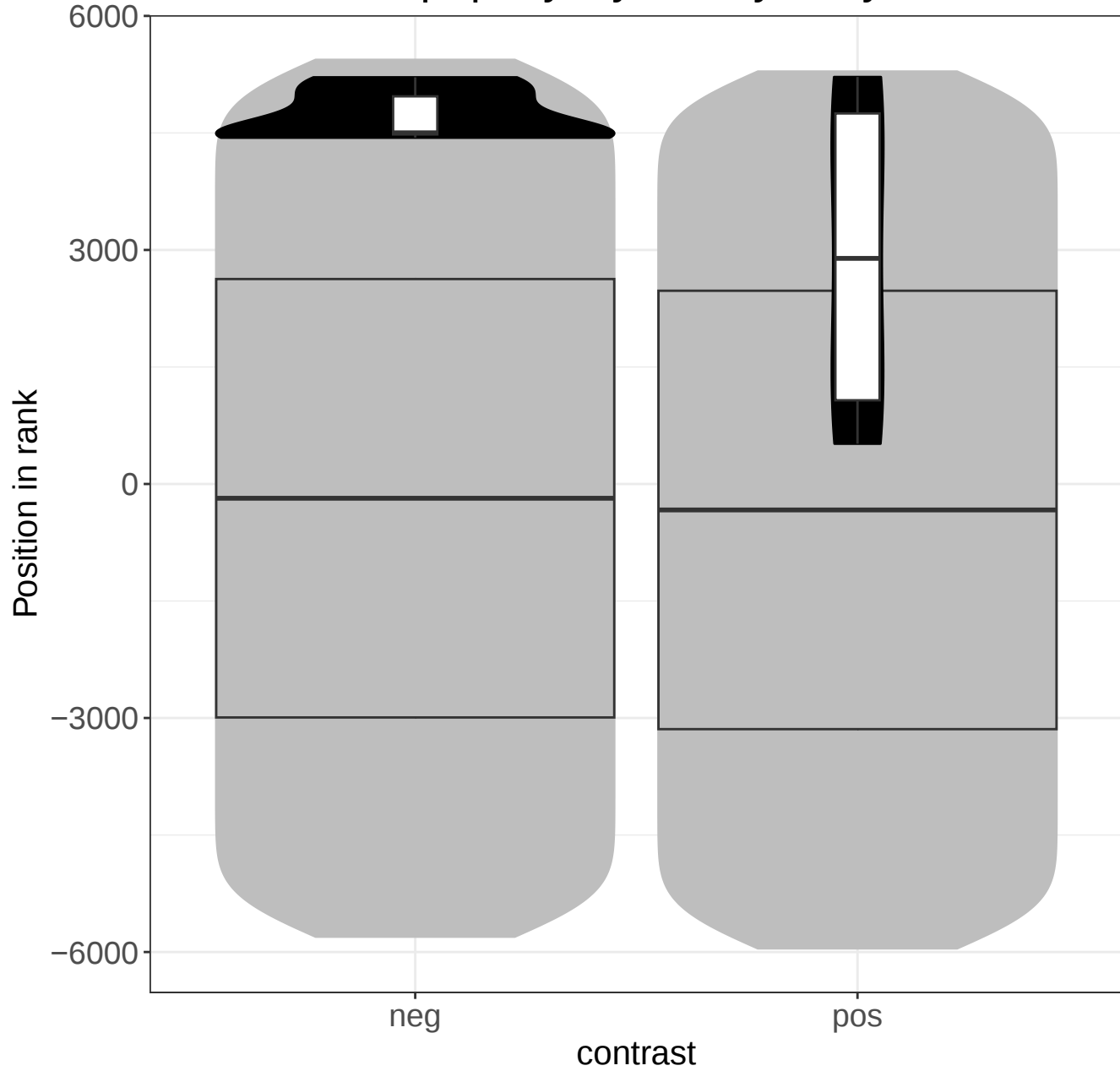
GO:0017185 peptidyl-lysine hydroxylation



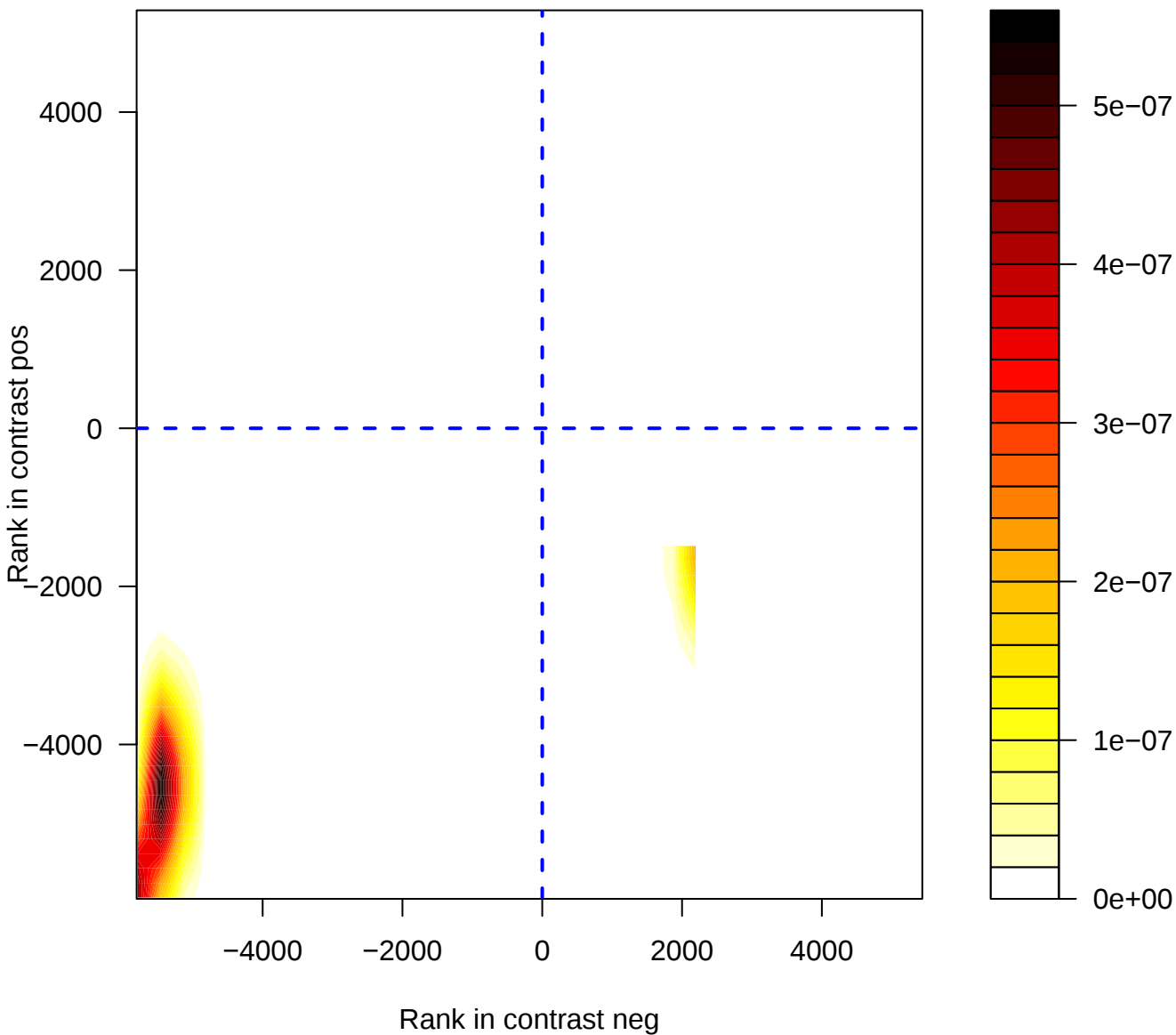
GO:0017185 peptidyl-lysine hydroxylation



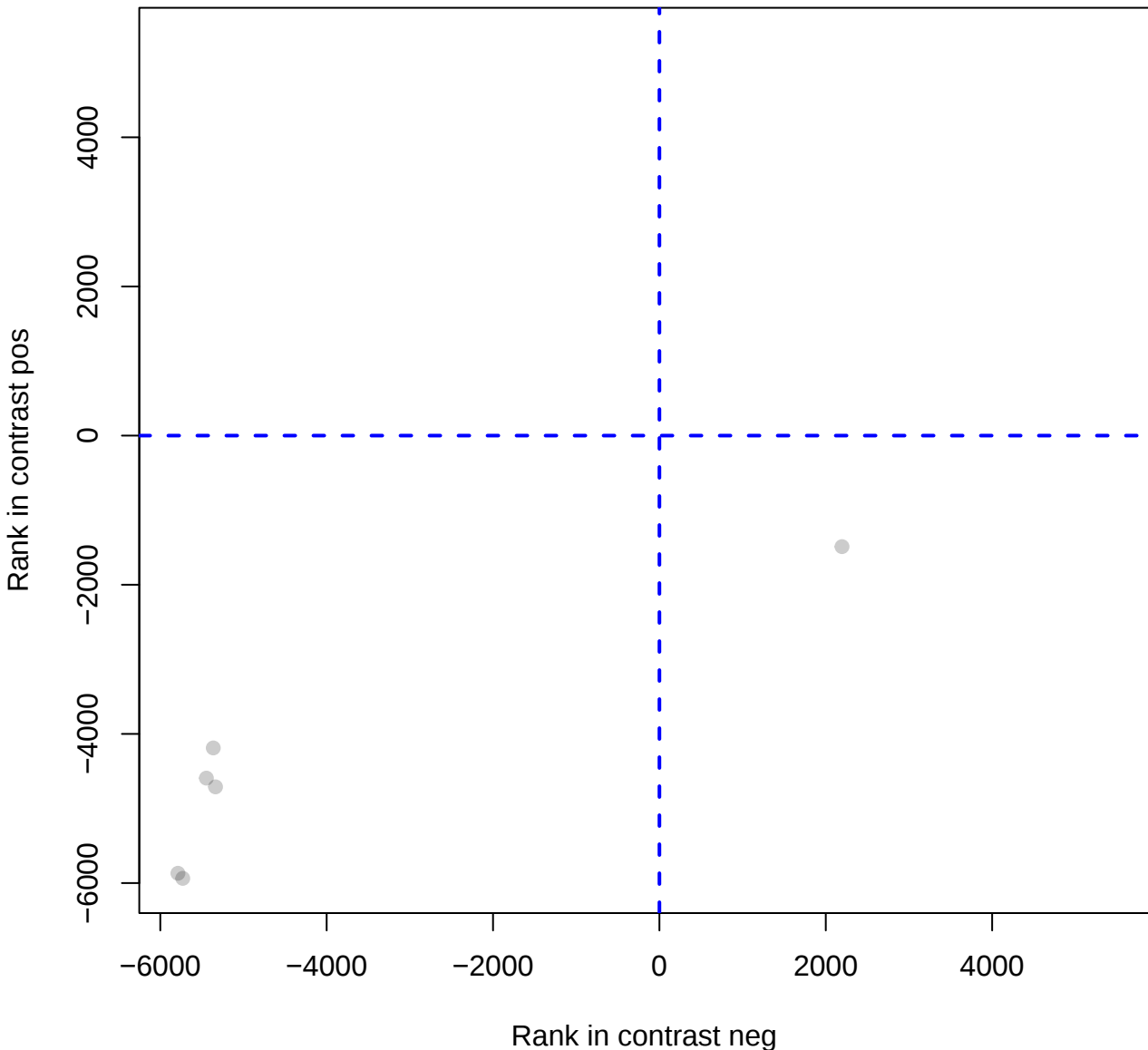
GO:0017185 peptidyl-lysine hydroxylation



0:0002502 peptide antigen assembly with MHC class I protein



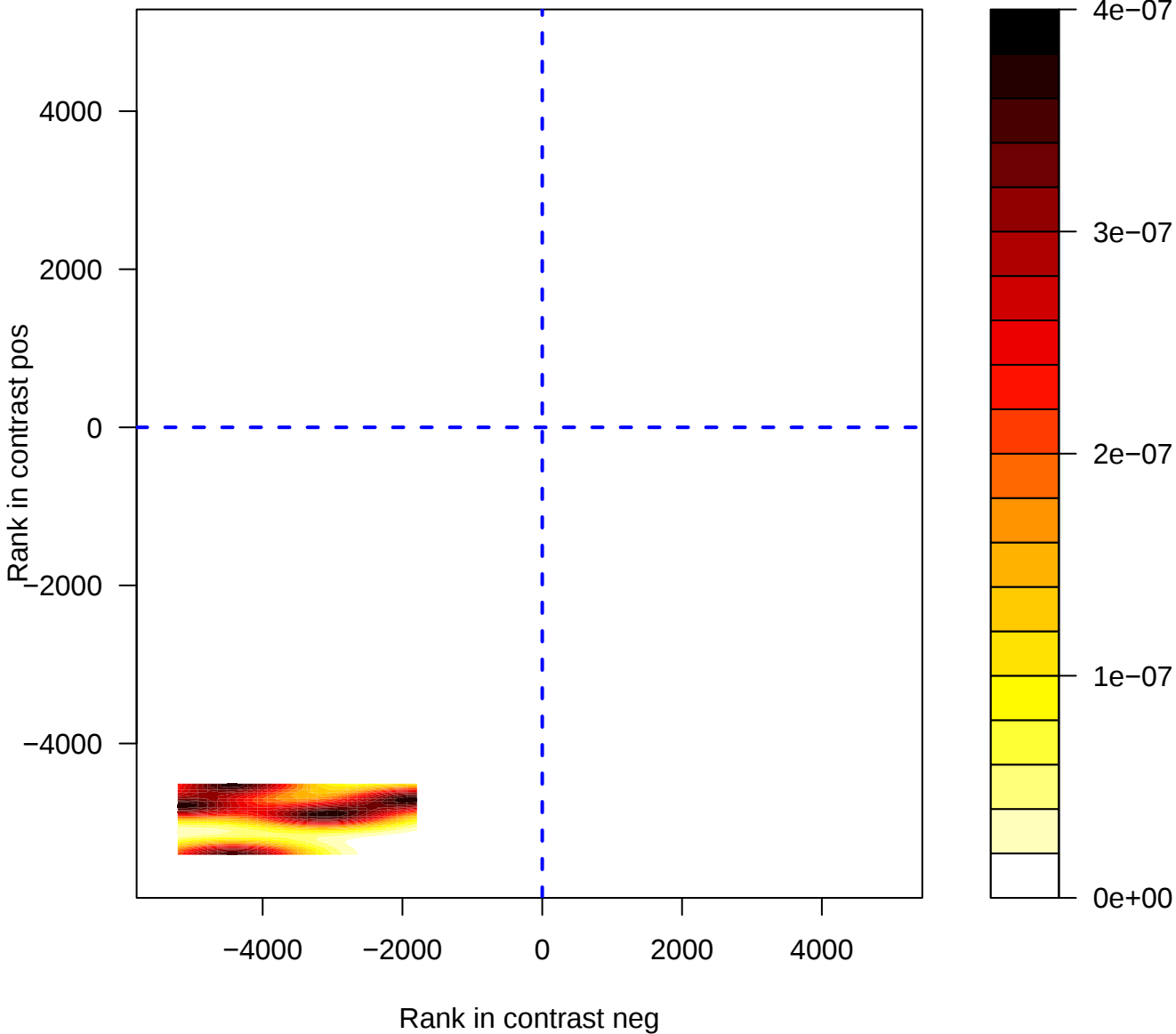
GO:0002502 peptide antigen assembly with MHC class I protein complex



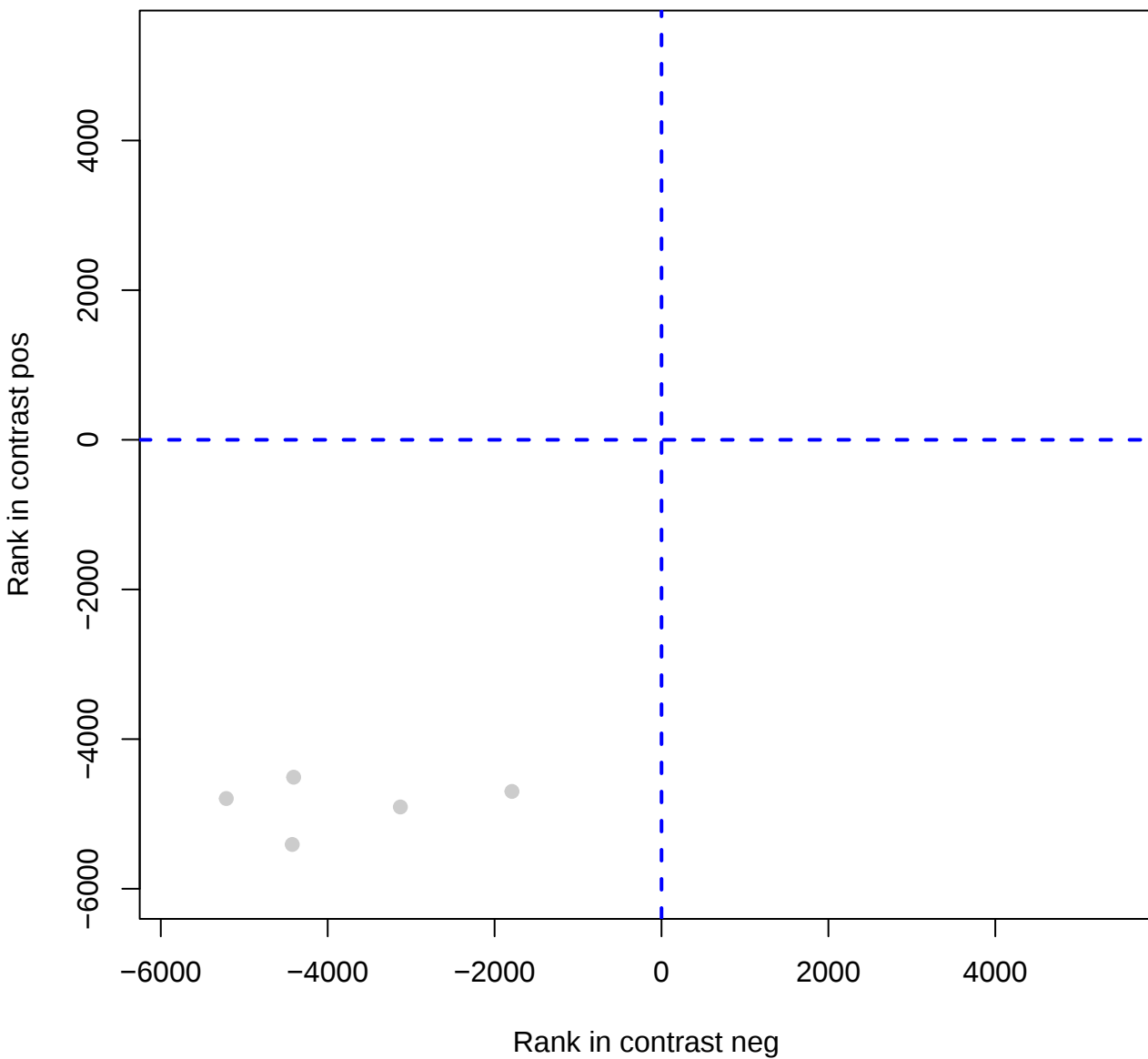
GO:0002502 peptide antigen assembly with MHC



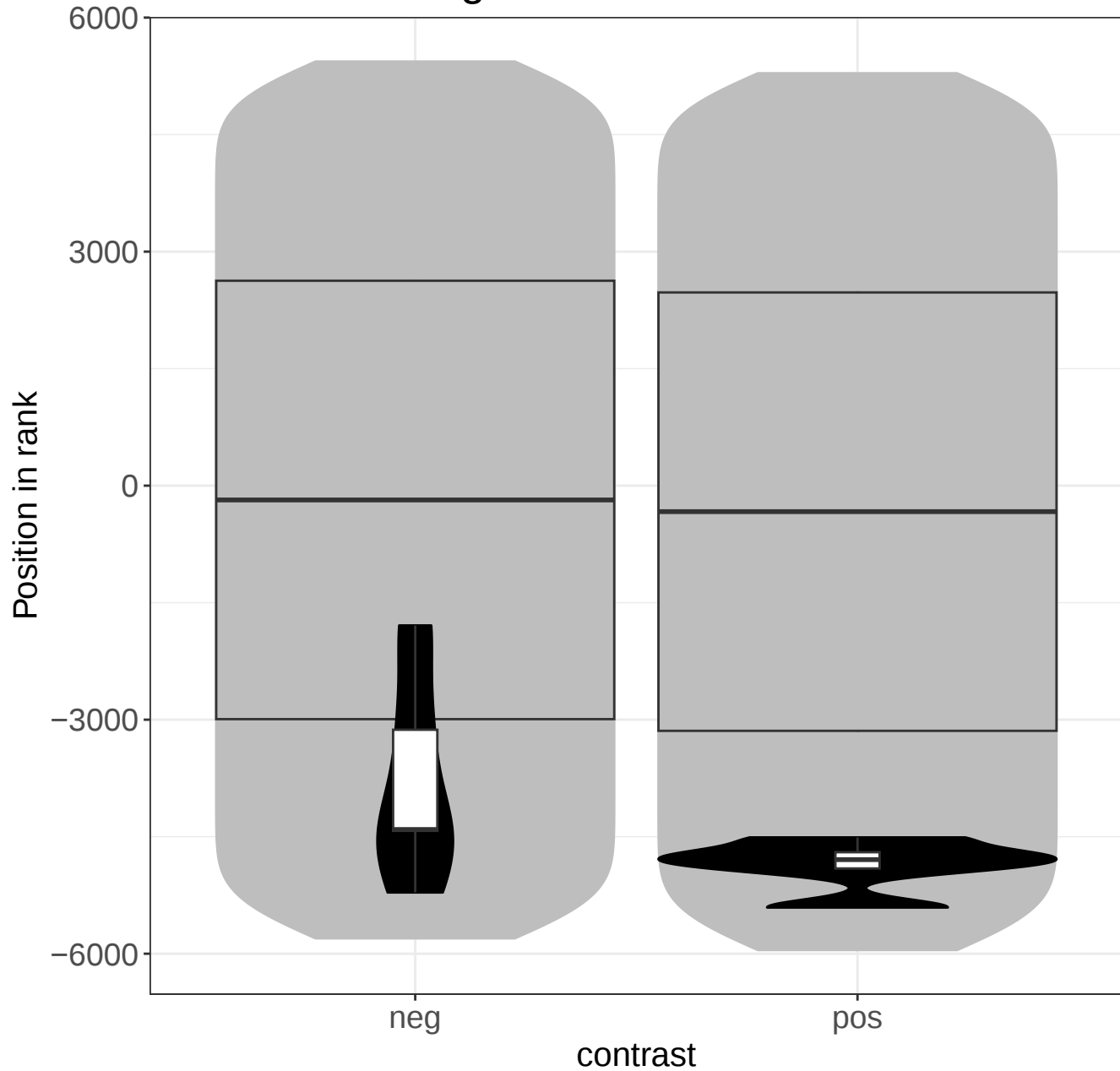
GO:0097494 regulation of vesicle size



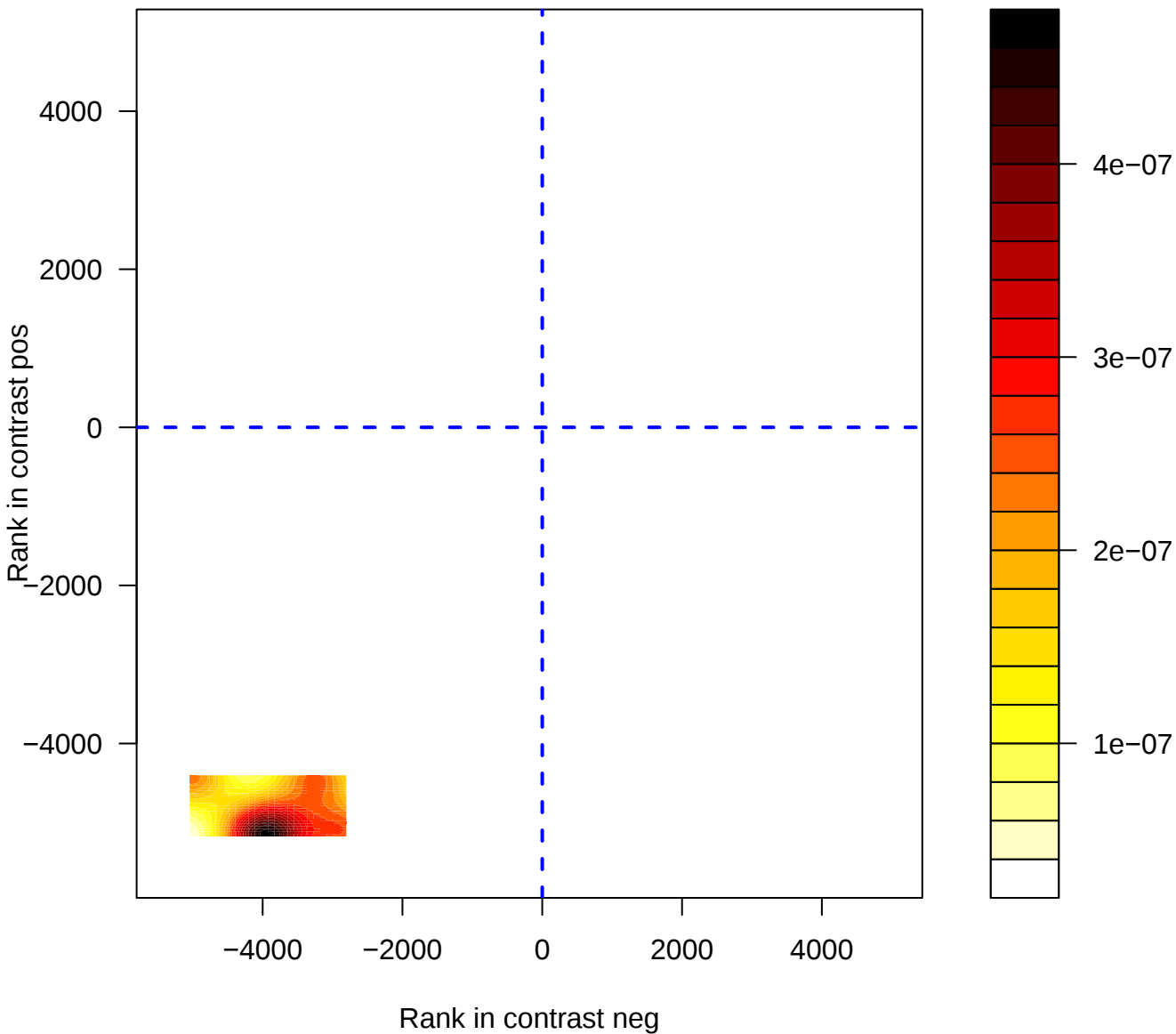
GO:0097494 regulation of vesicle size



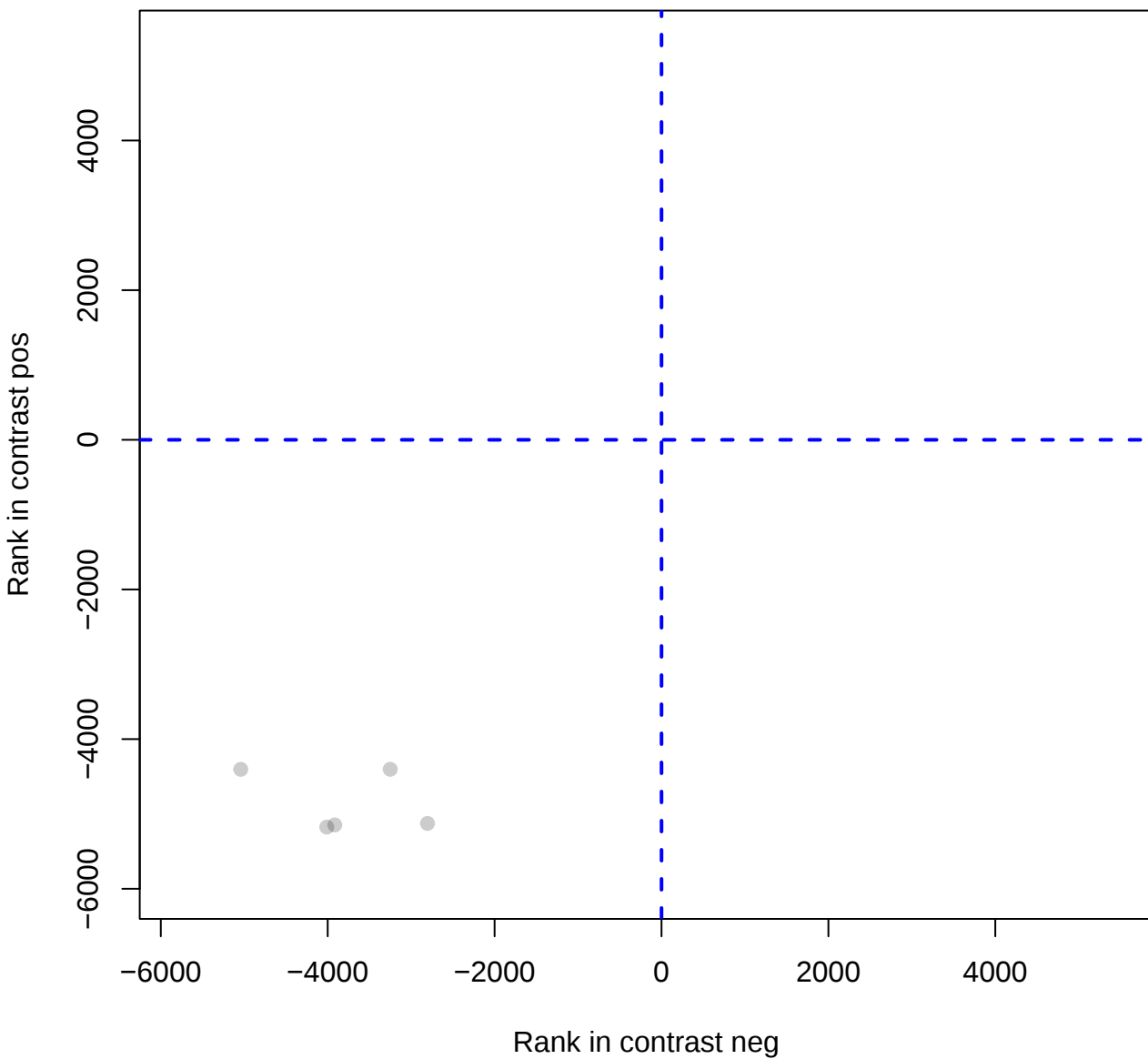
GO:0097494 regulation of vesicle size



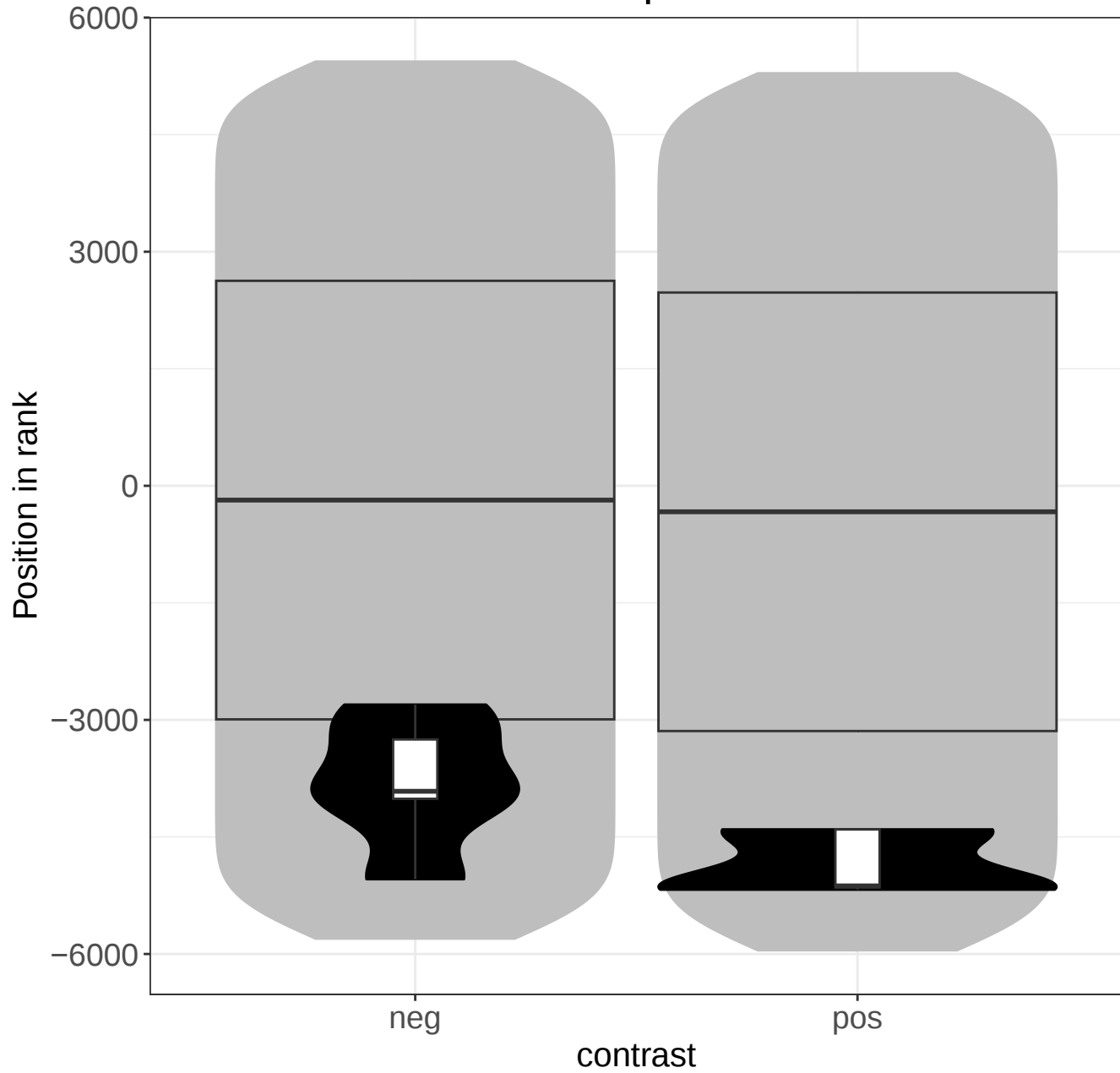
GO:0016589 NURF complex



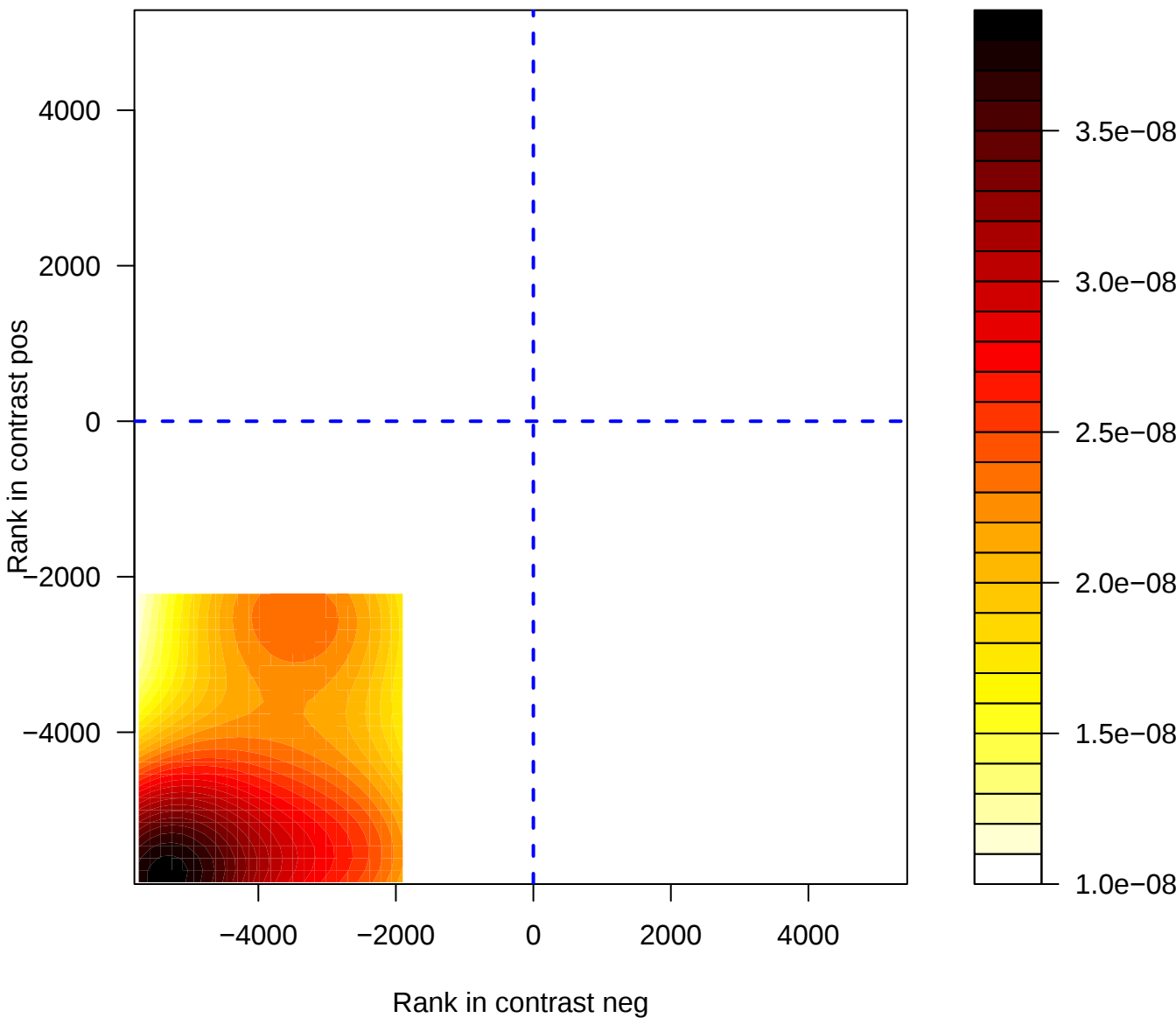
GO:0016589 NURF complex



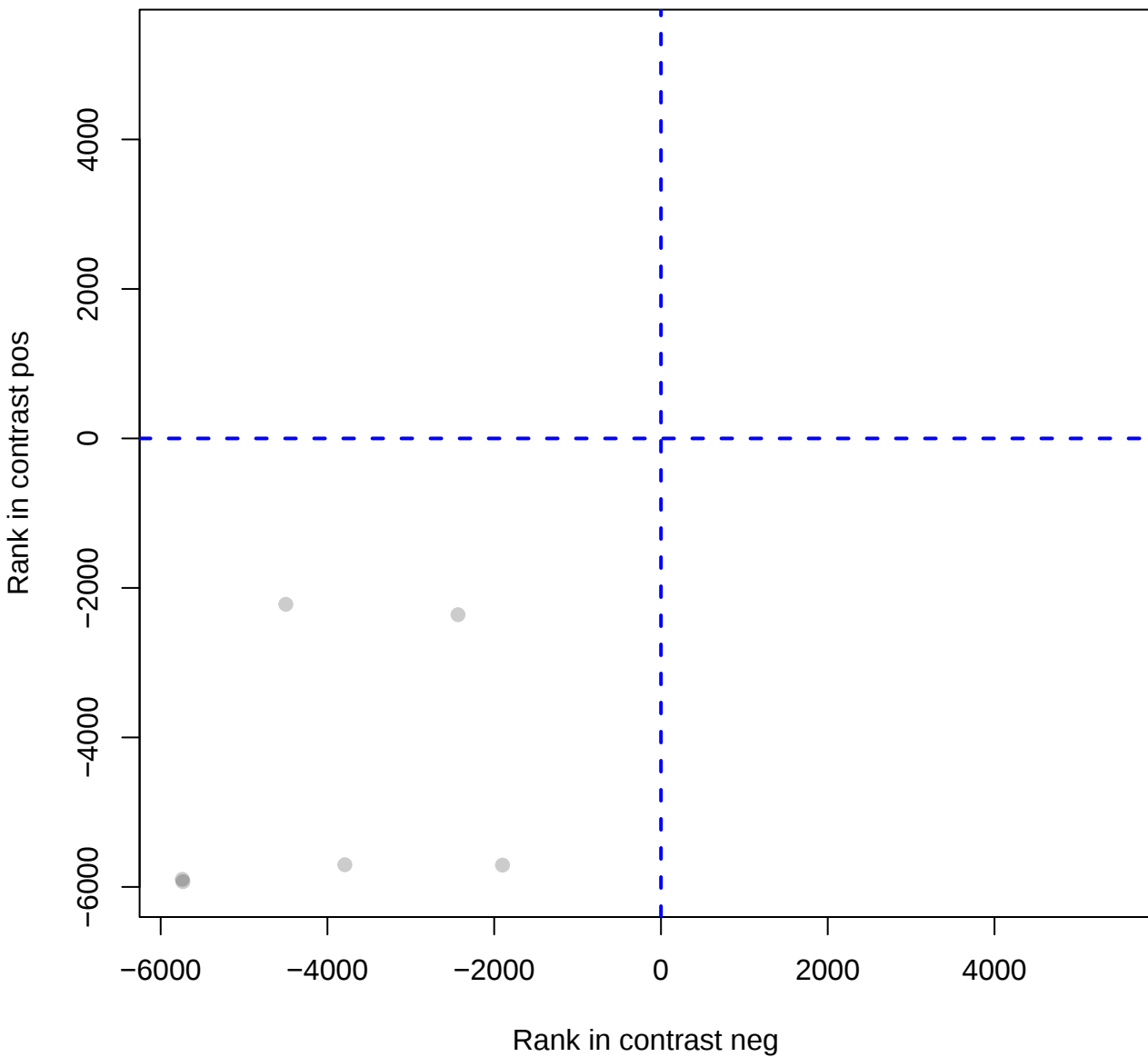
GO:0016589 NURF complex



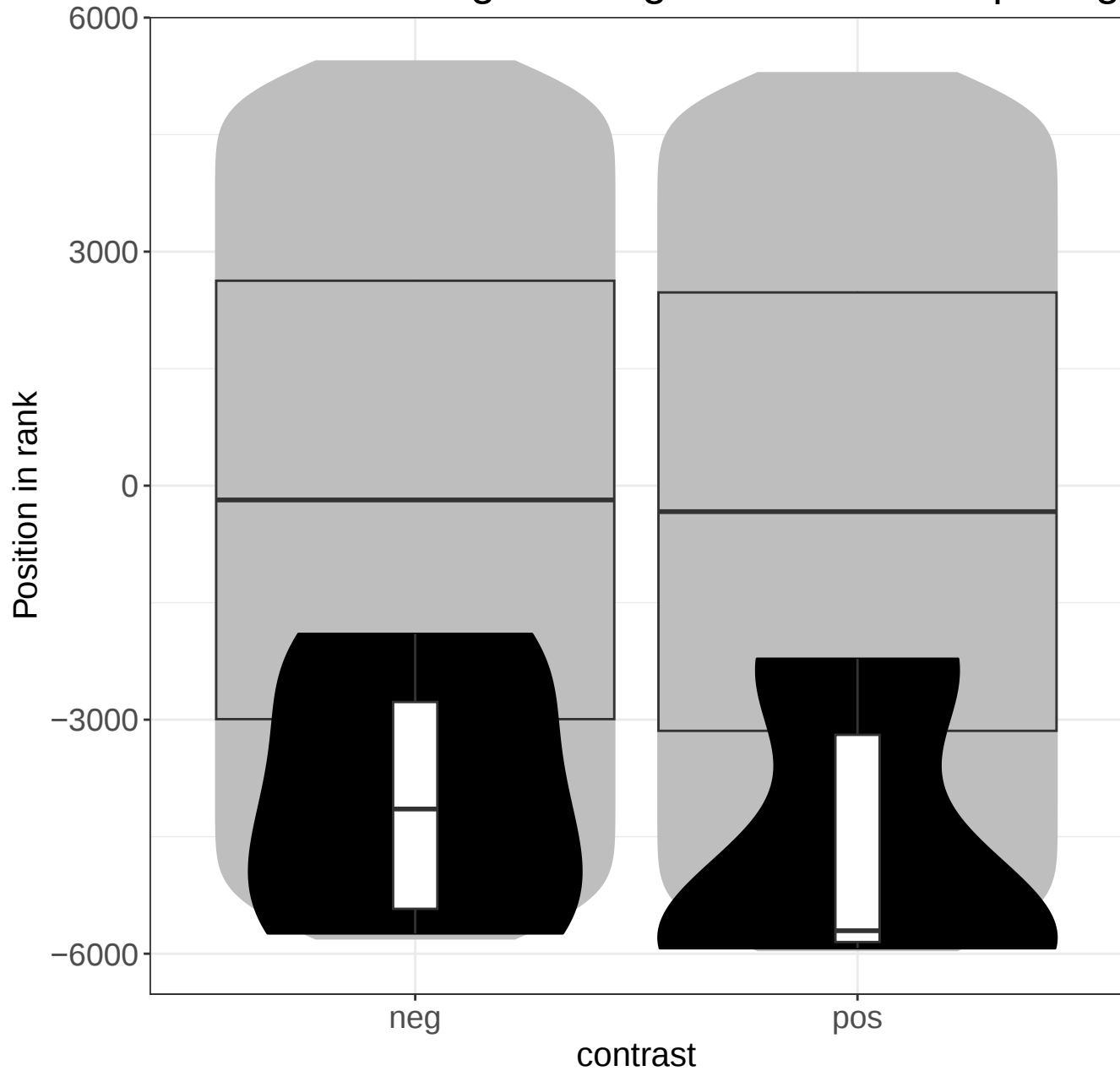
GO:0033119 negative regulation of RNA splicing



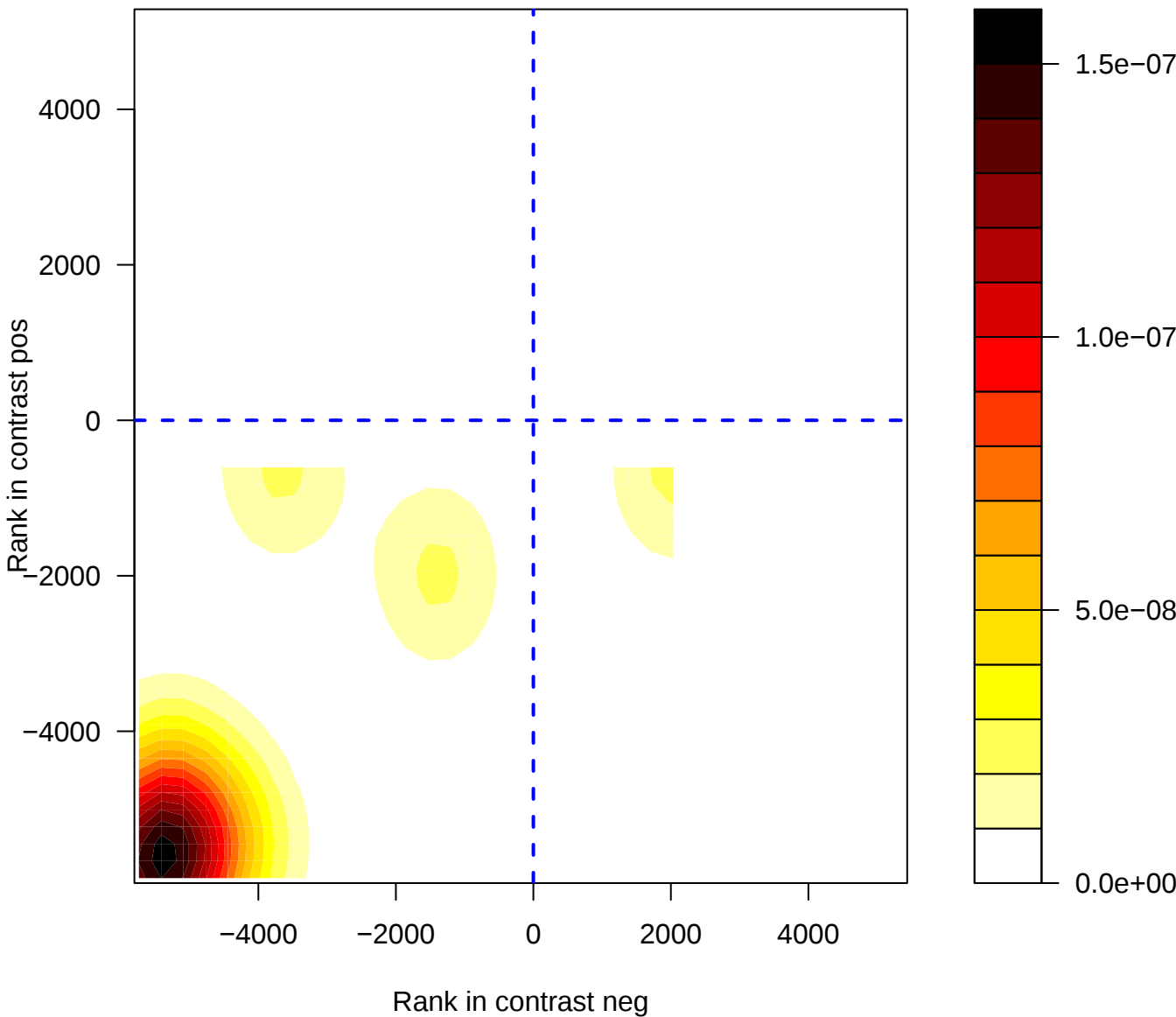
GO:0033119 negative regulation of RNA splicing



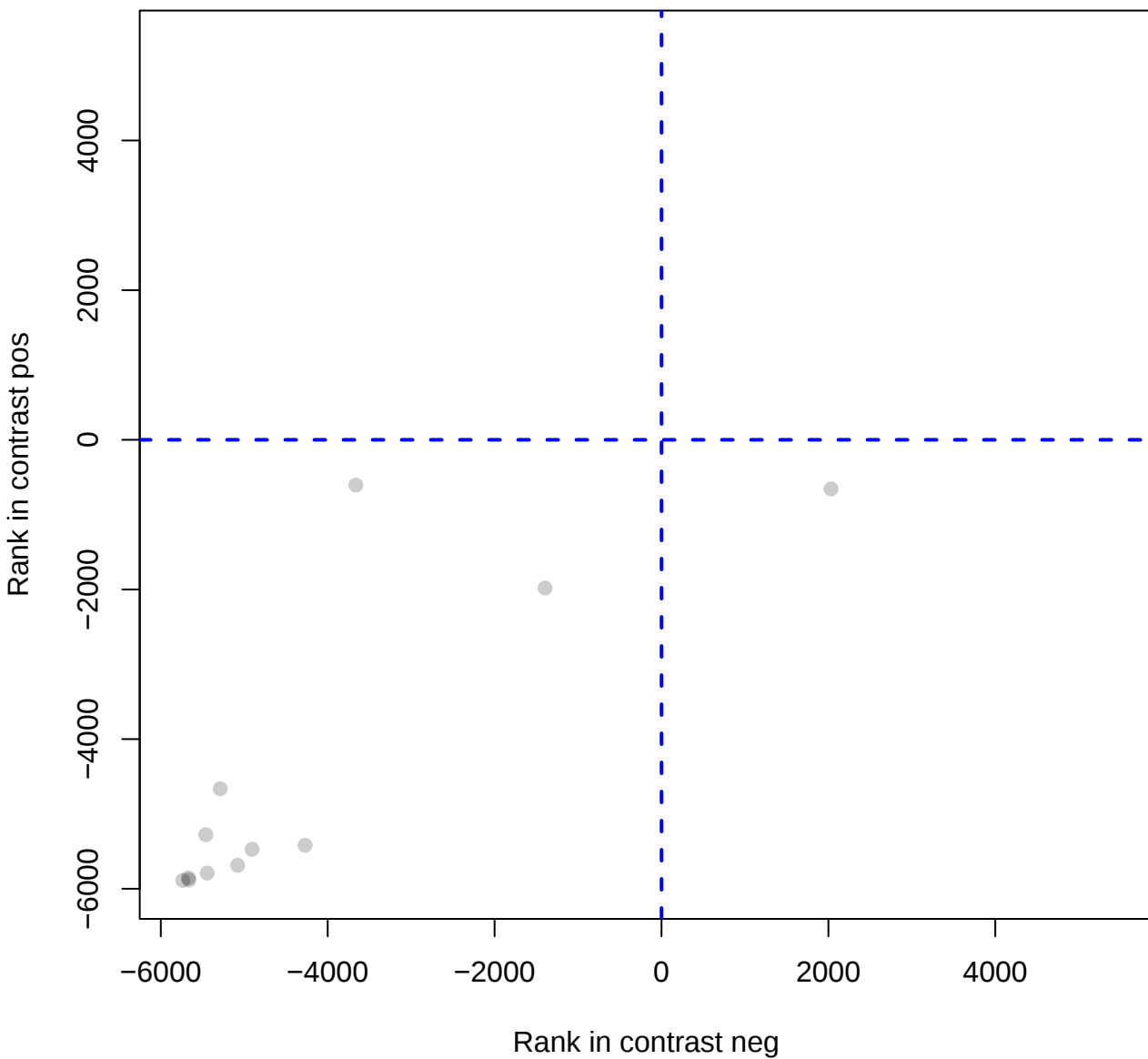
GO:0033119 negative regulation of RNA splicing



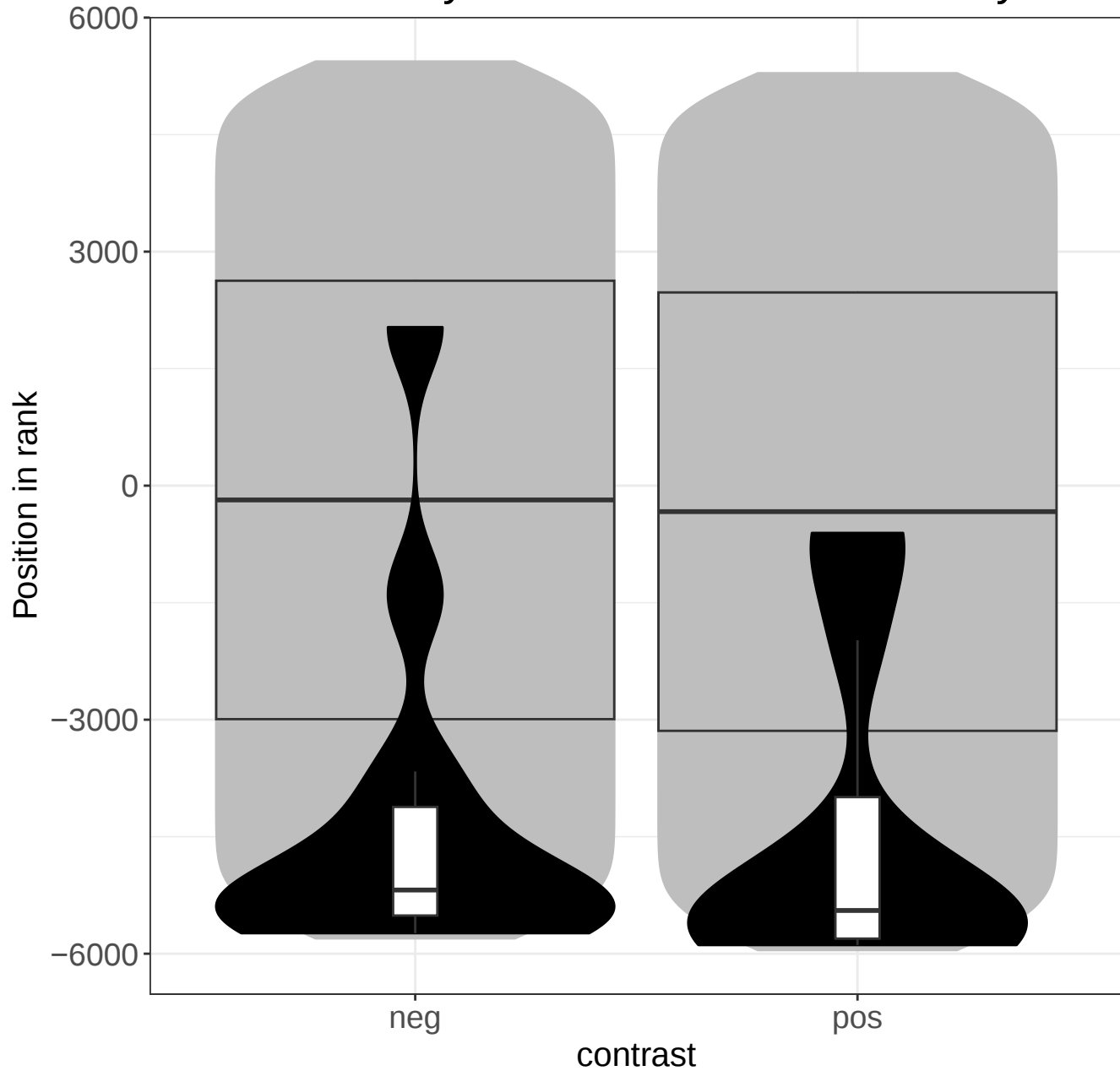
GO:0004129 cytochrome-c oxidase activity



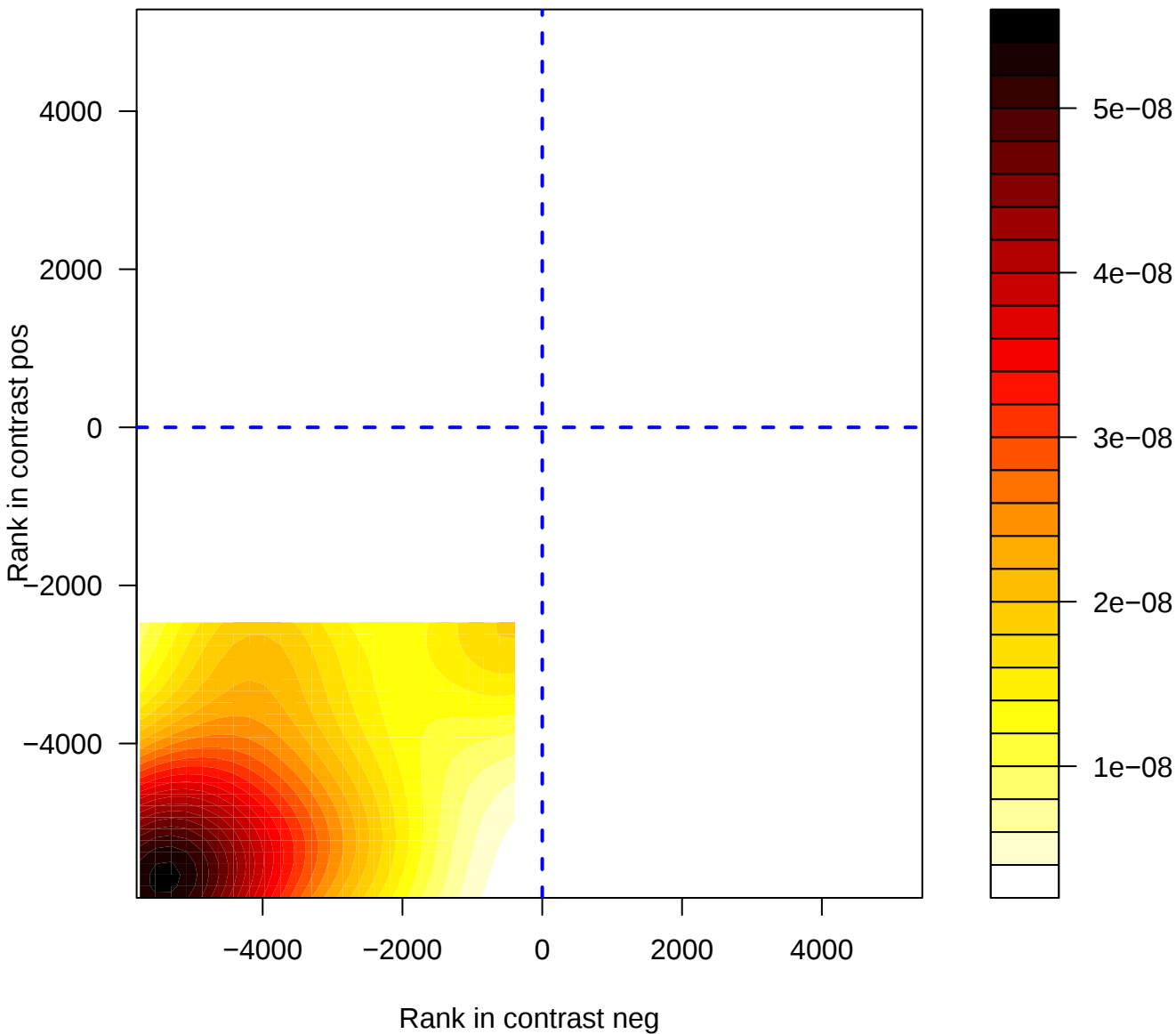
GO:0004129 cytochrome-c oxidase activity



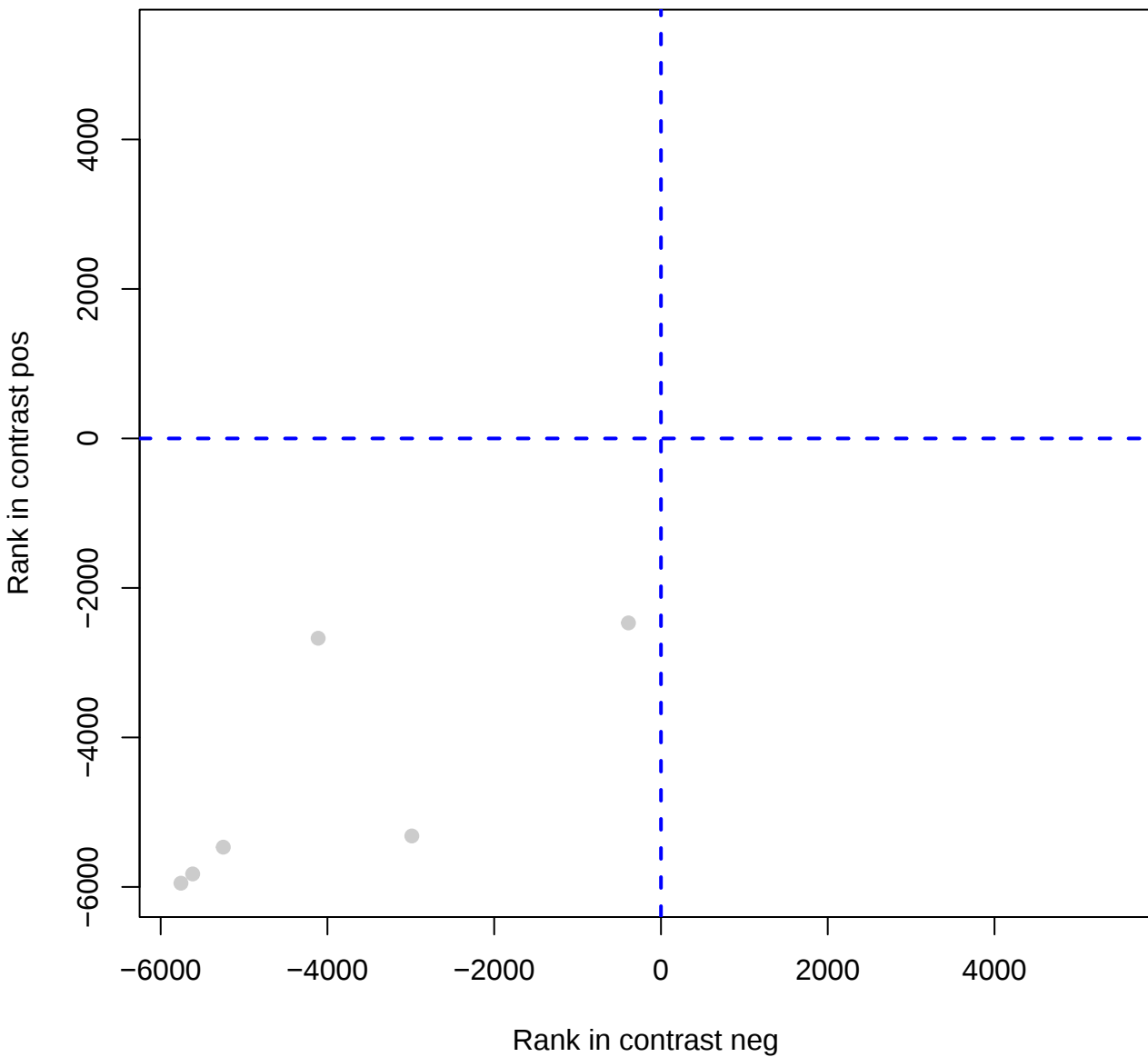
GO:0004129 cytochrome-c oxidase activity



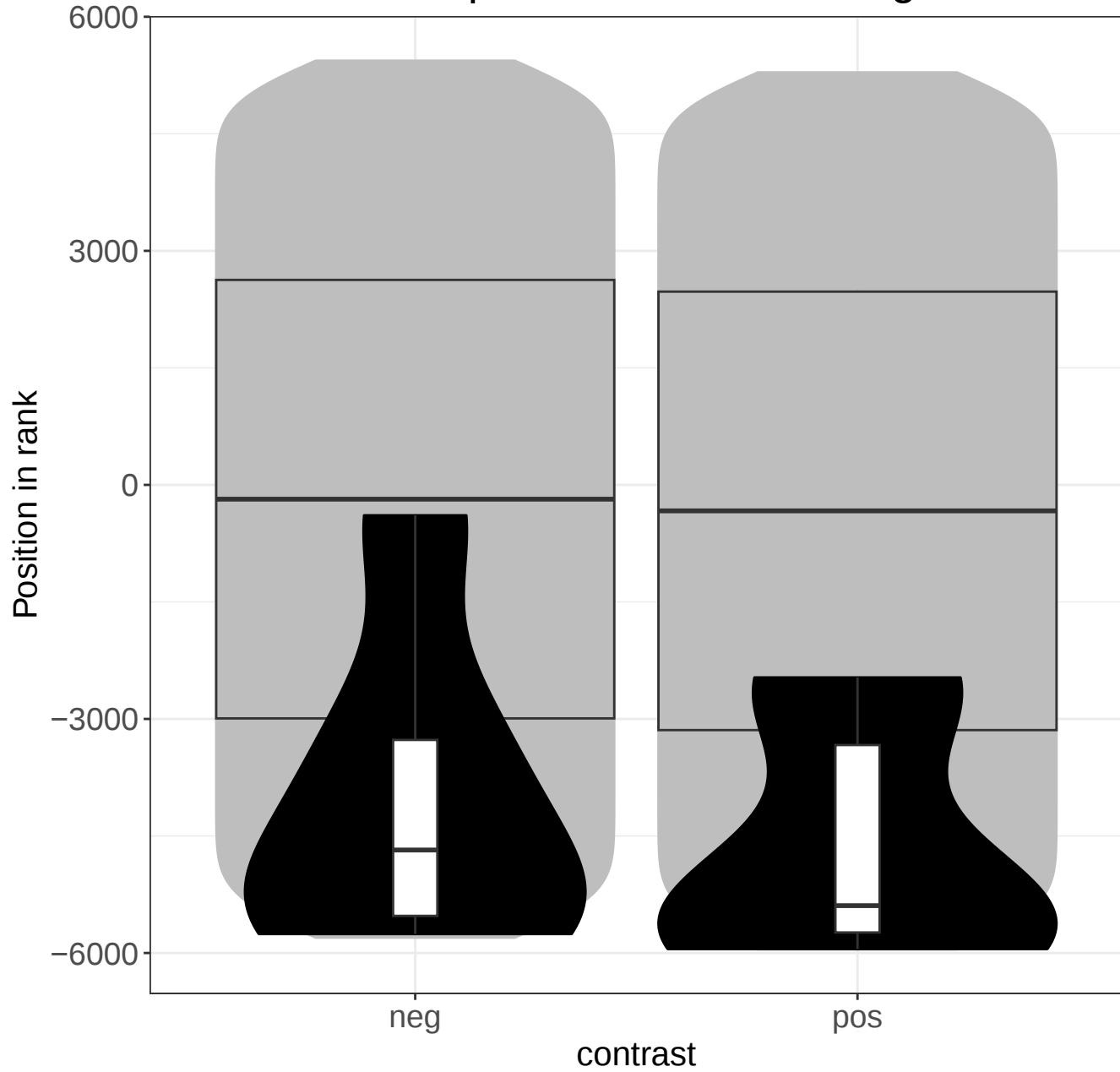
GO:0097100 supercoiled DNA binding



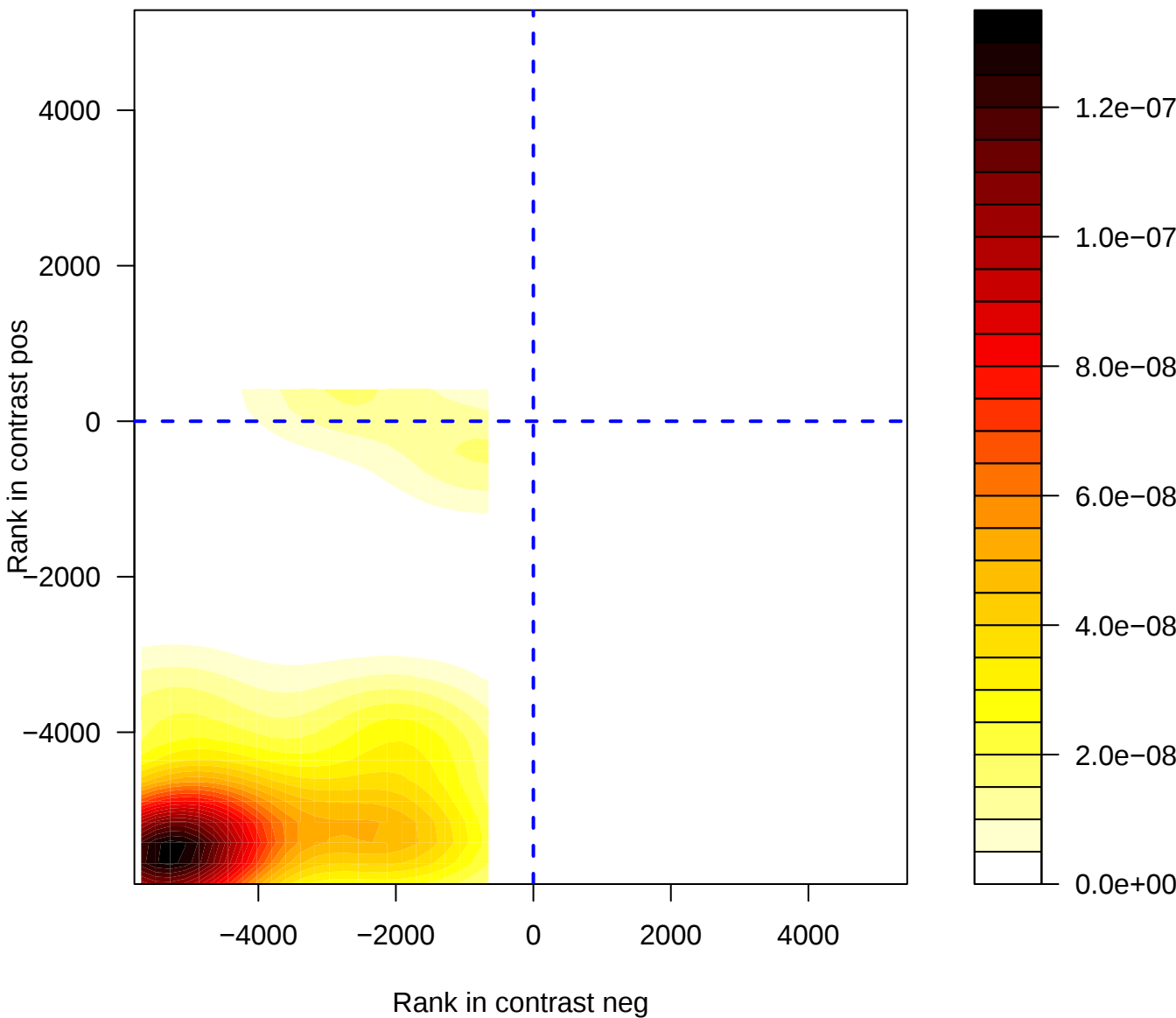
GO:0097100 supercoiled DNA binding



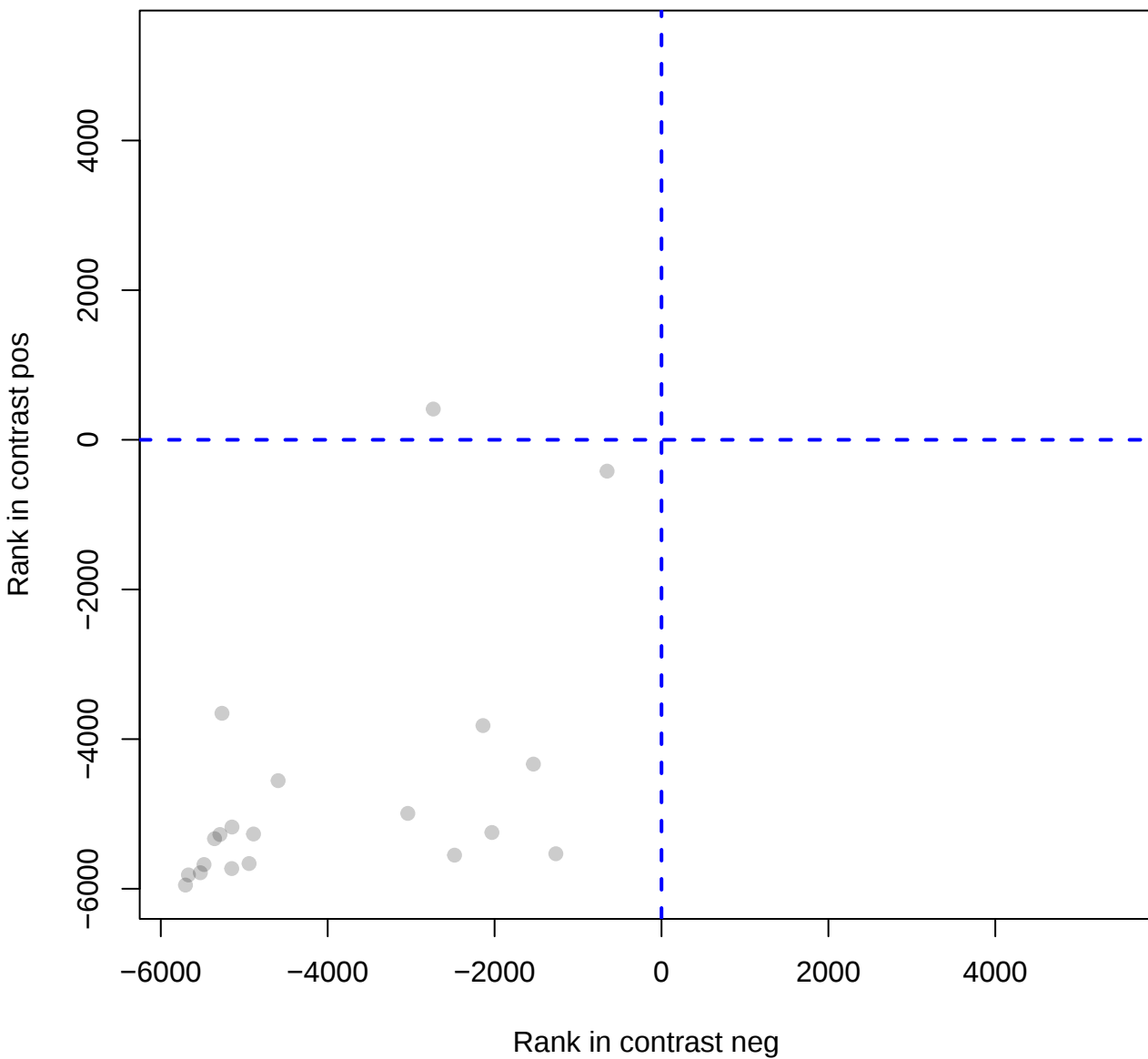
GO:0097100 supercoiled DNA binding



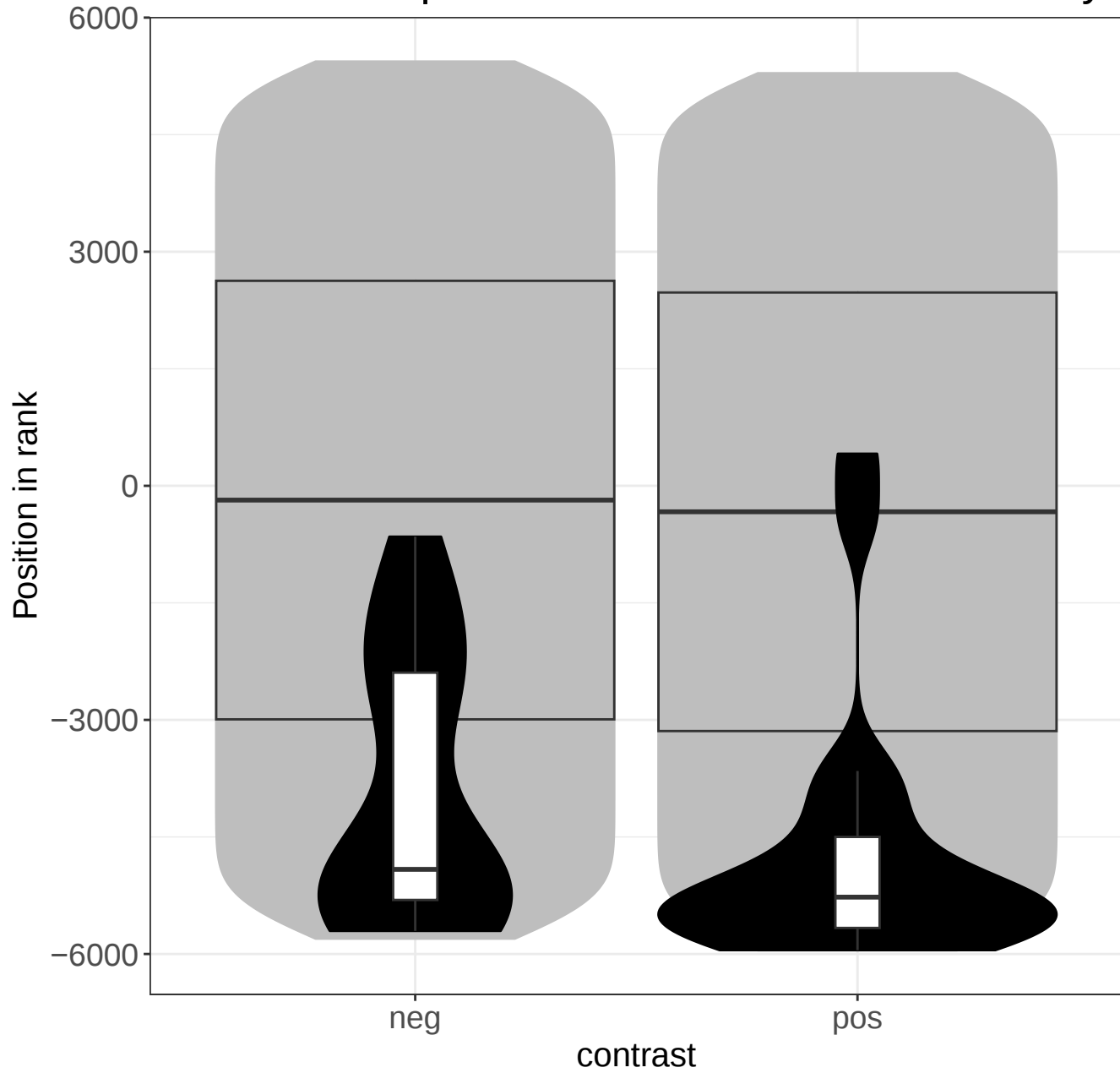
GO:0015986 proton motive force-driven ATP synthesis



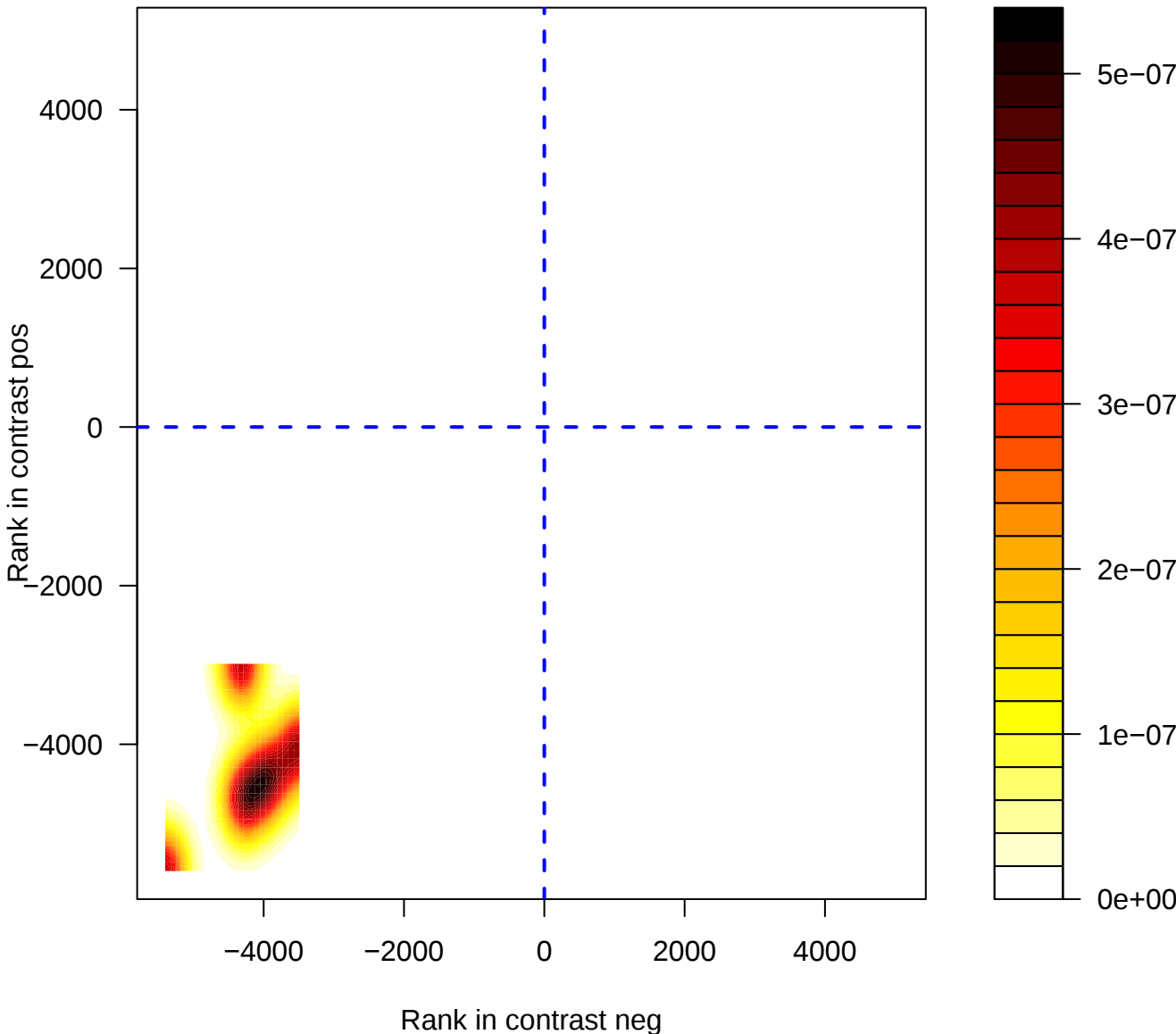
GO:0015986 proton motive force-driven ATP synthesis



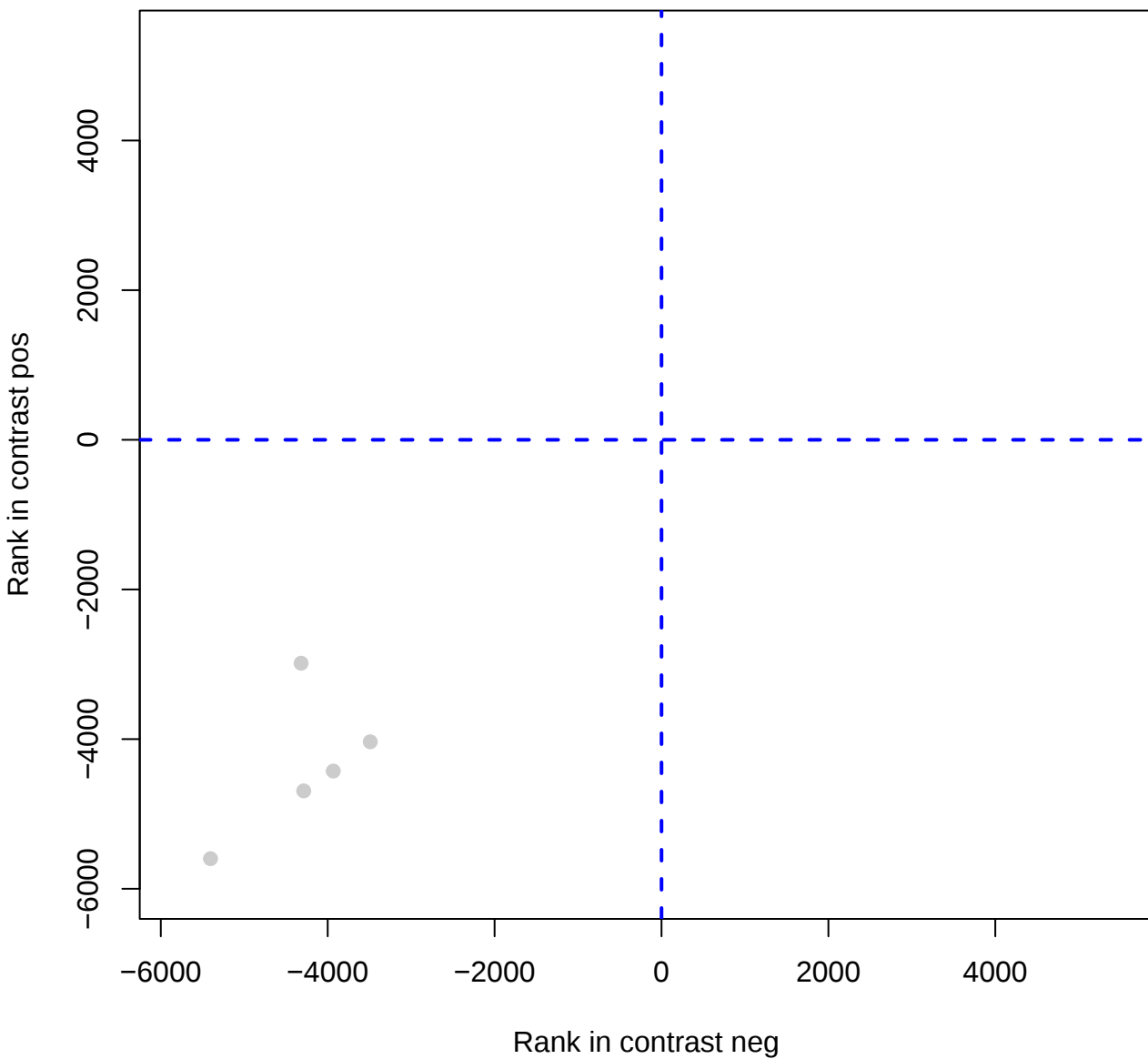
GO:0015986 proton motive force-driven ATP synt



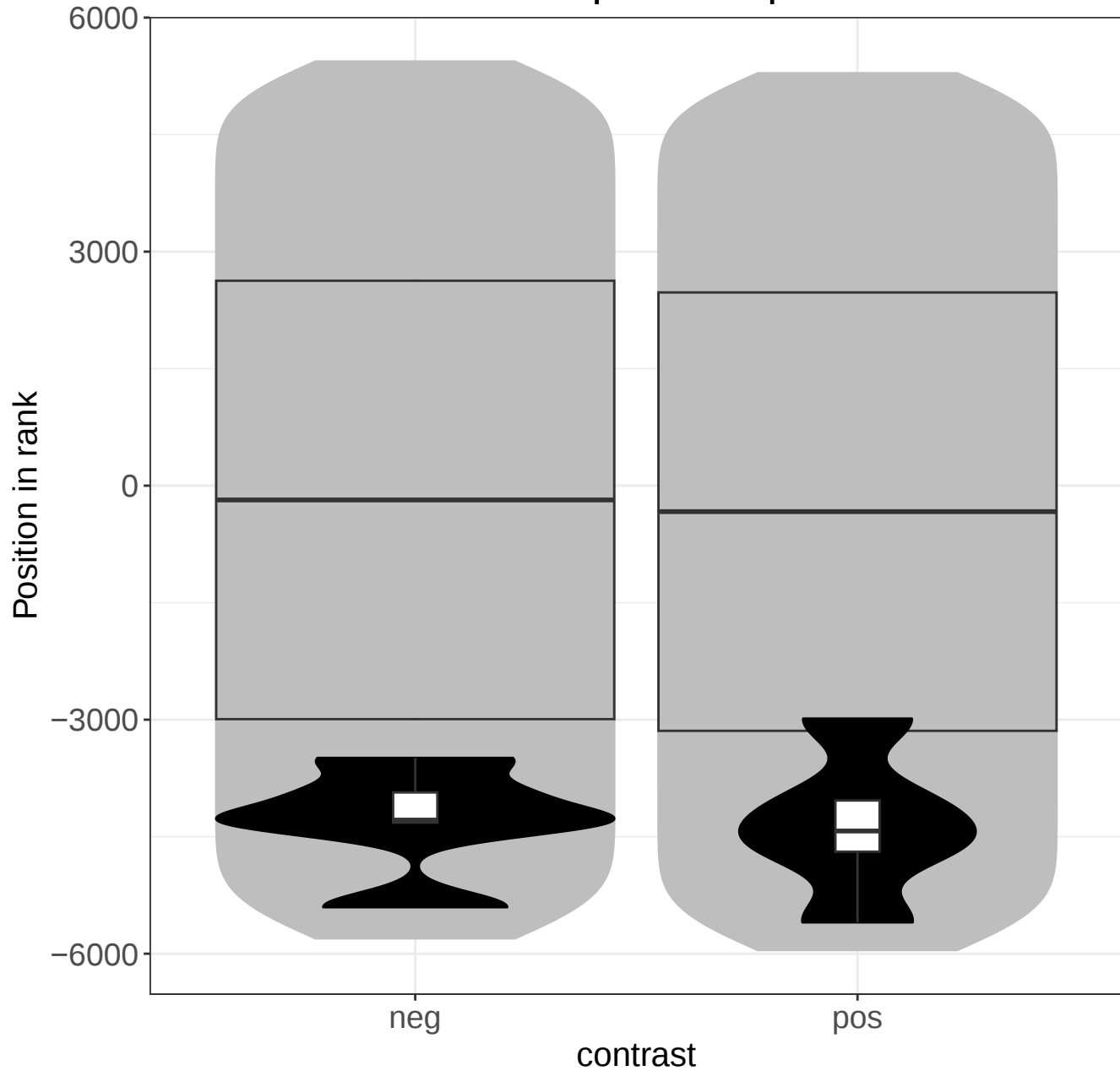
GO:0070418 DNA-dependent protein kinase complex



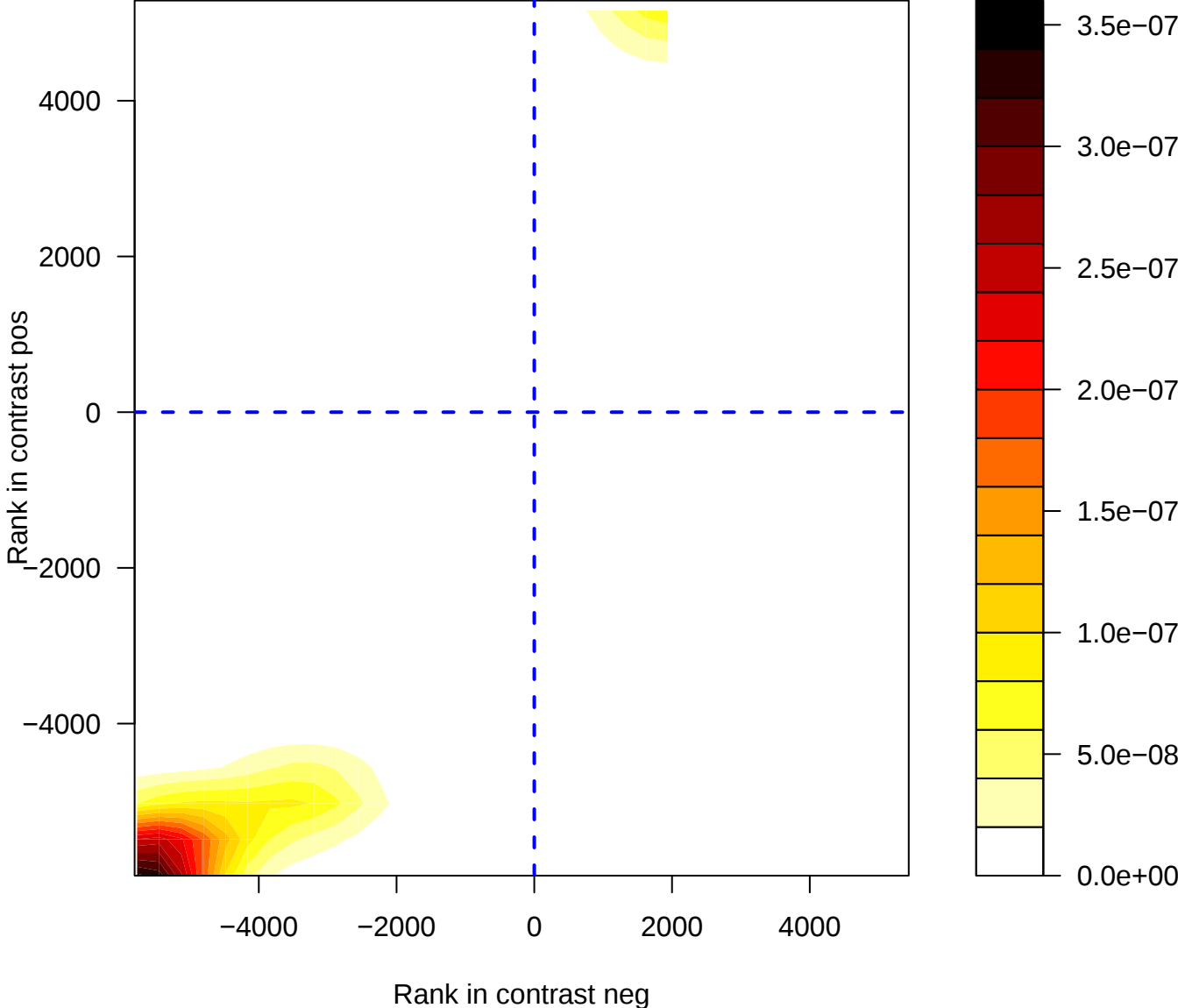
GO:0070418 DNA-dependent protein kinase complex



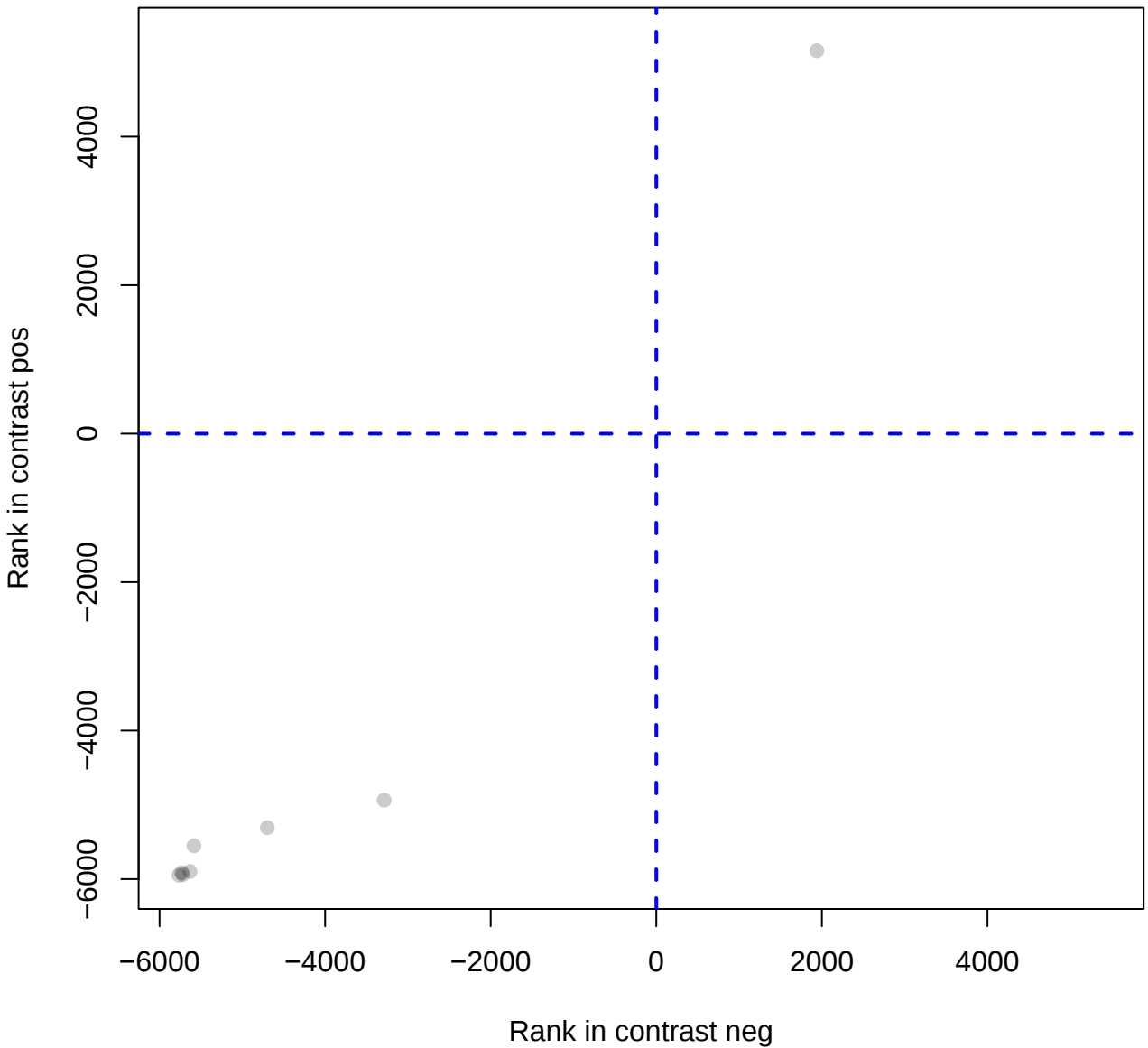
GO:0070418 DNA-dependent protein kinase com



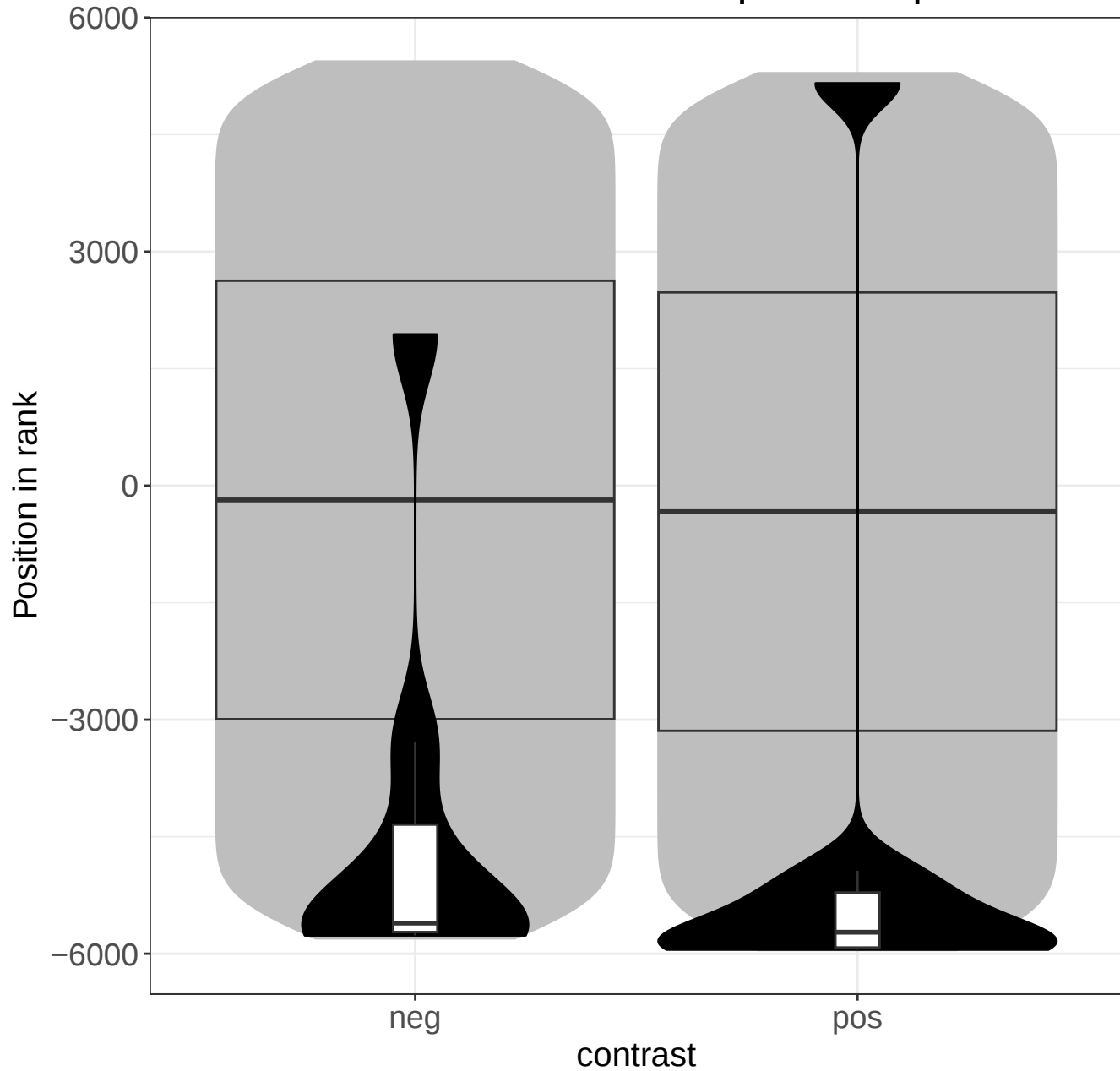
GO:0019941 modification-dependent protein catabolic process



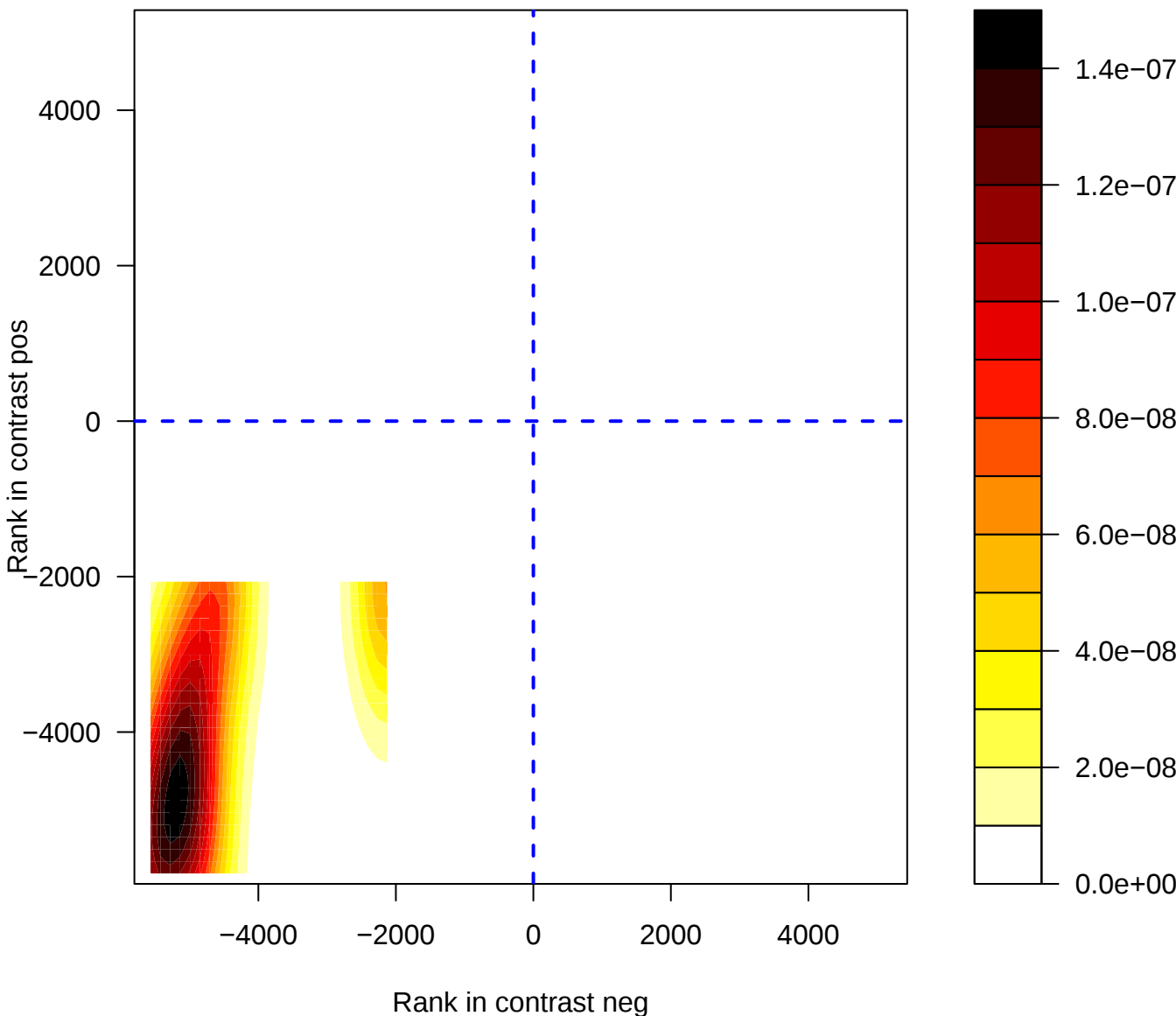
GO:0019941 modification-dependent protein catabolic process



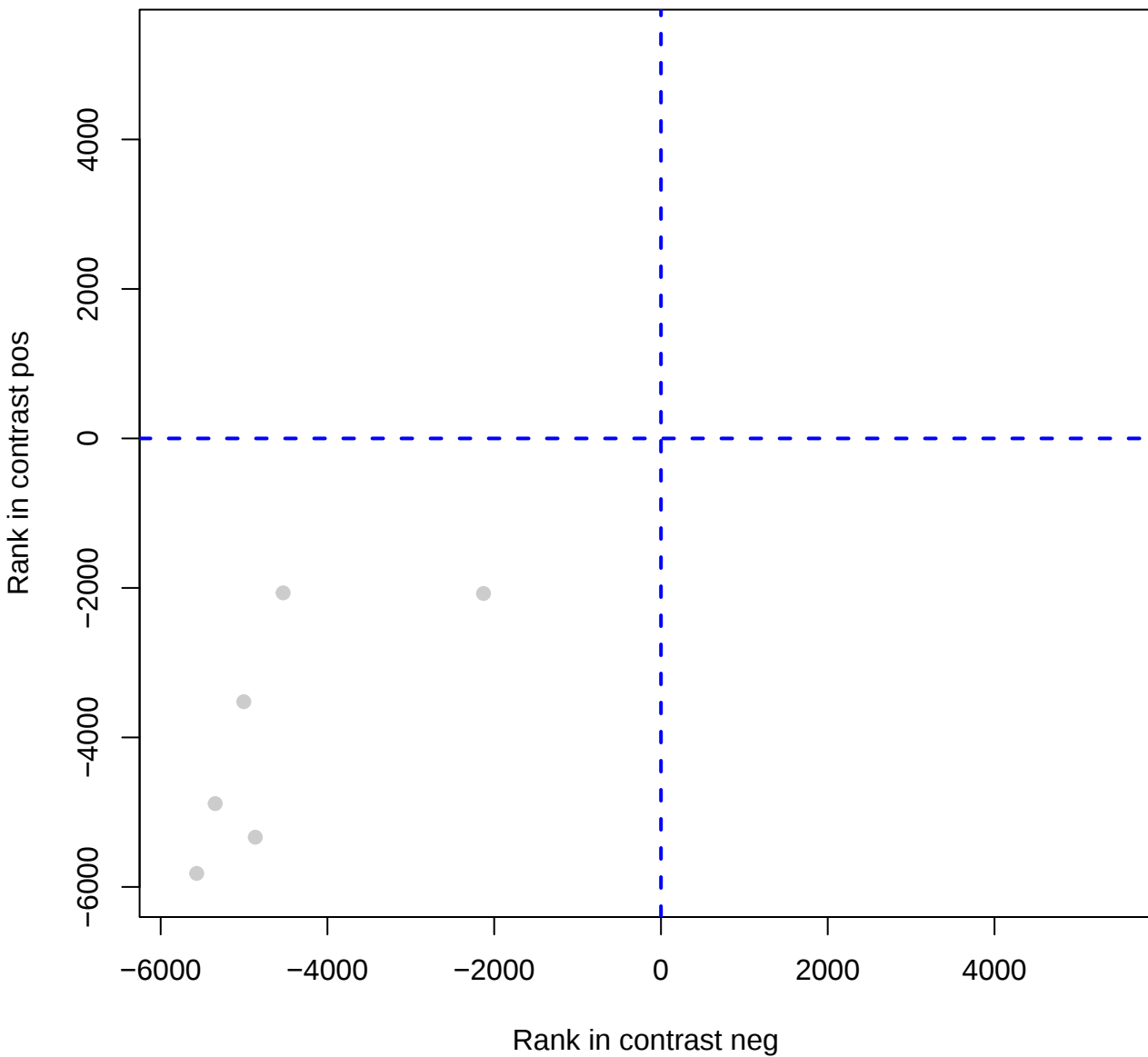
GO:0019941 modification-dependent protein cata



GO:0097720 calcineurin-mediated signaling



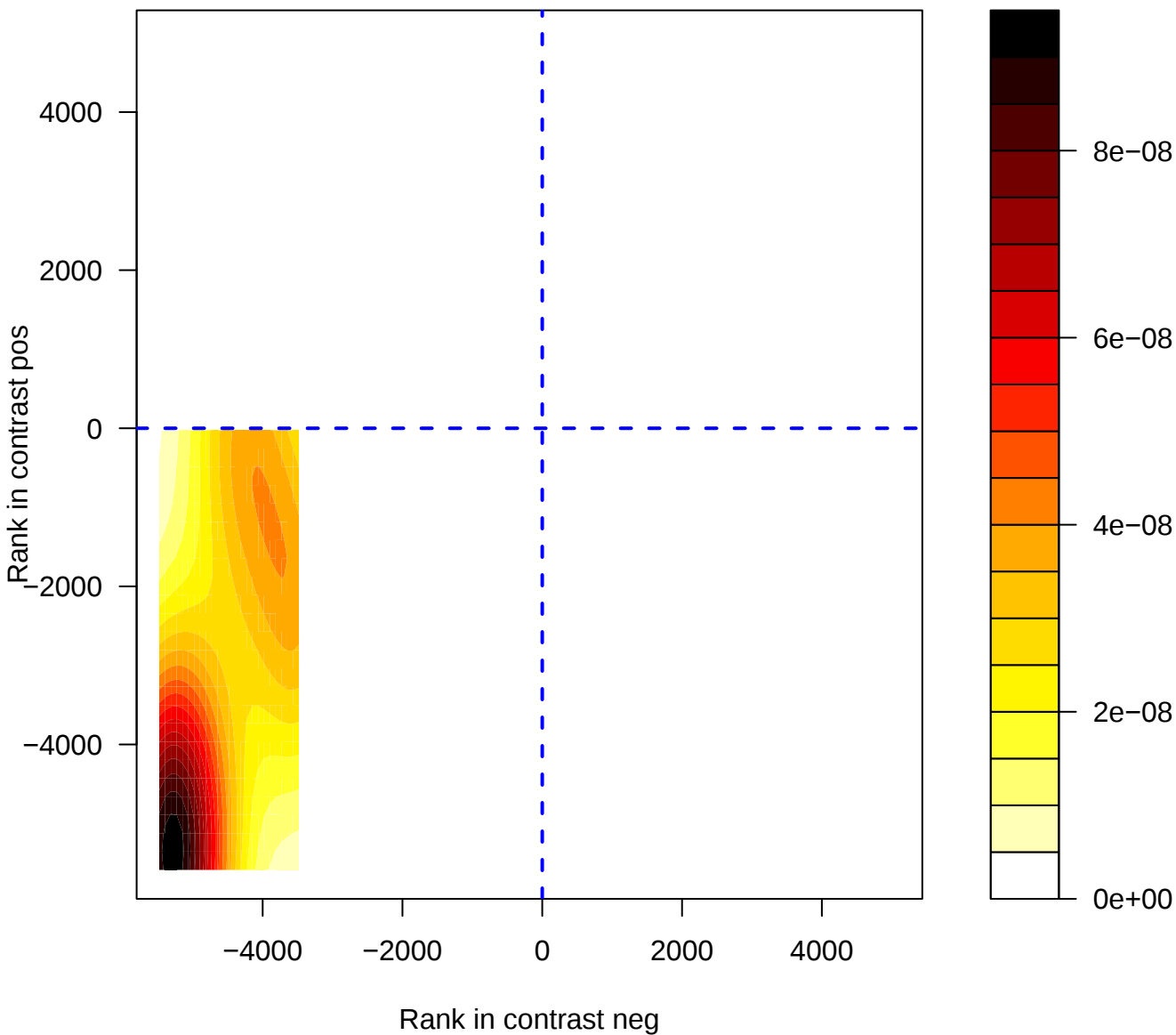
GO:0097720 calcineurin-mediated signaling



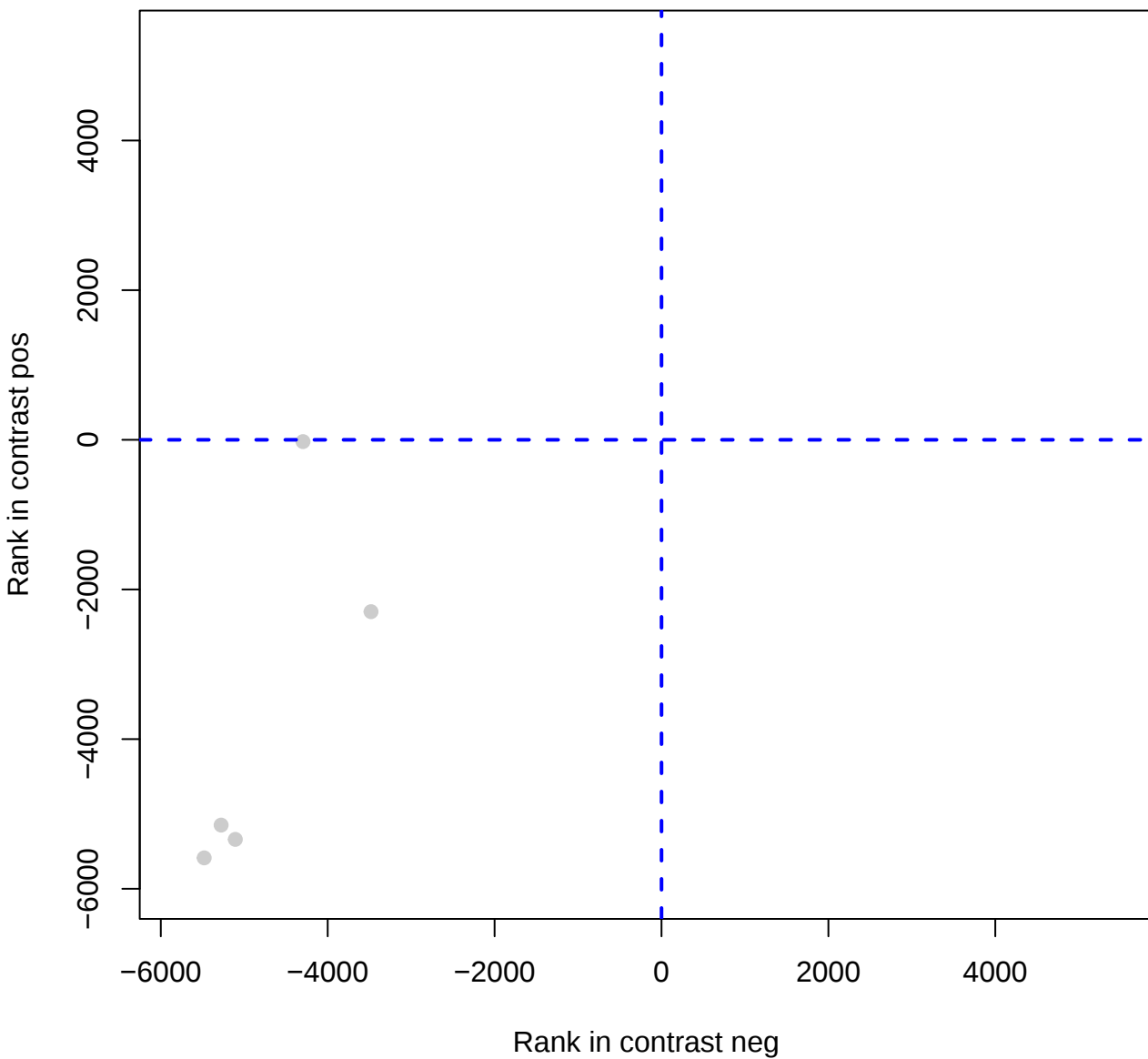
GO:0097720 calcineurin-mediated signaling



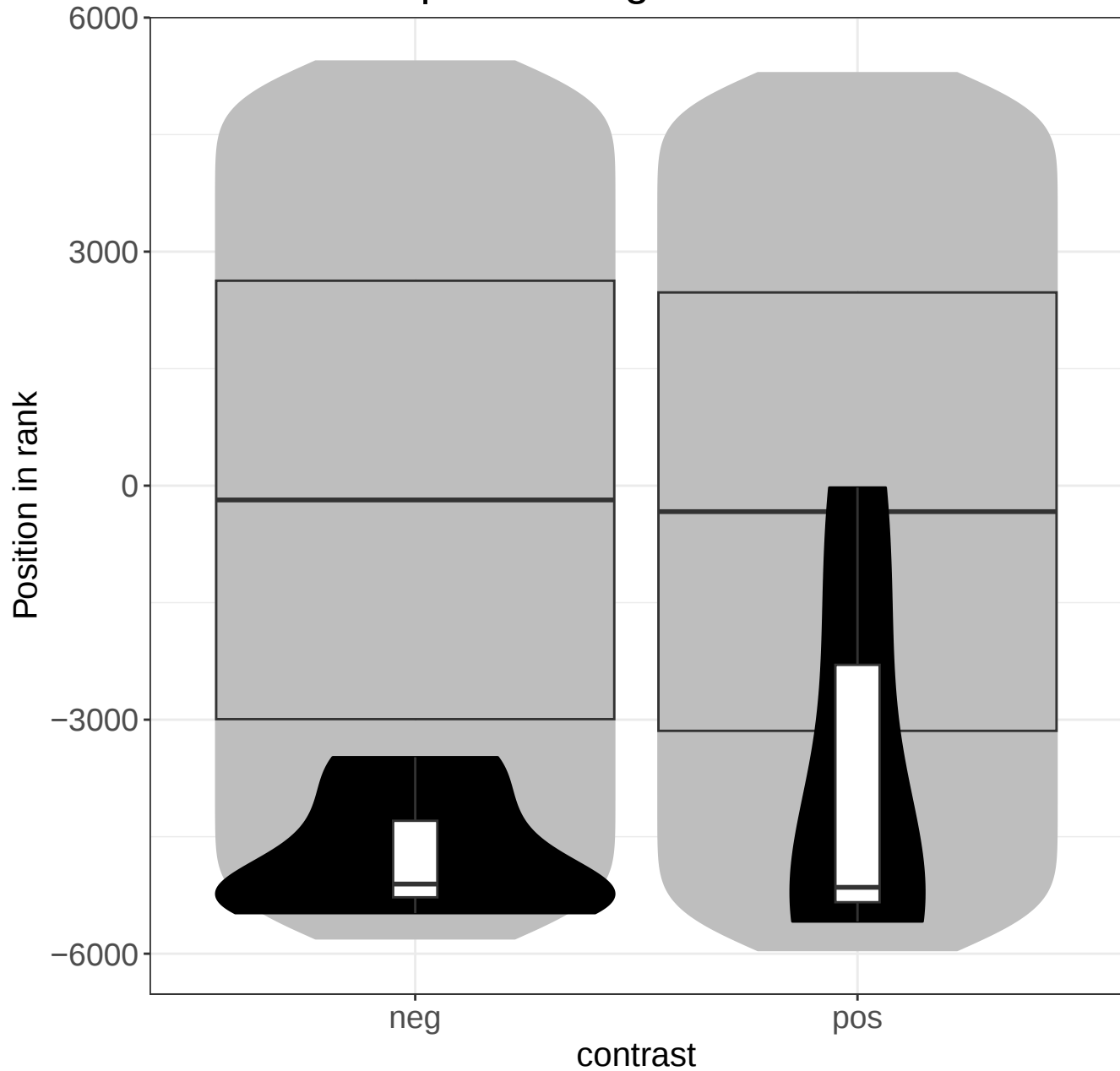
GO:0120183 positive regulation of focal adhesion disasser



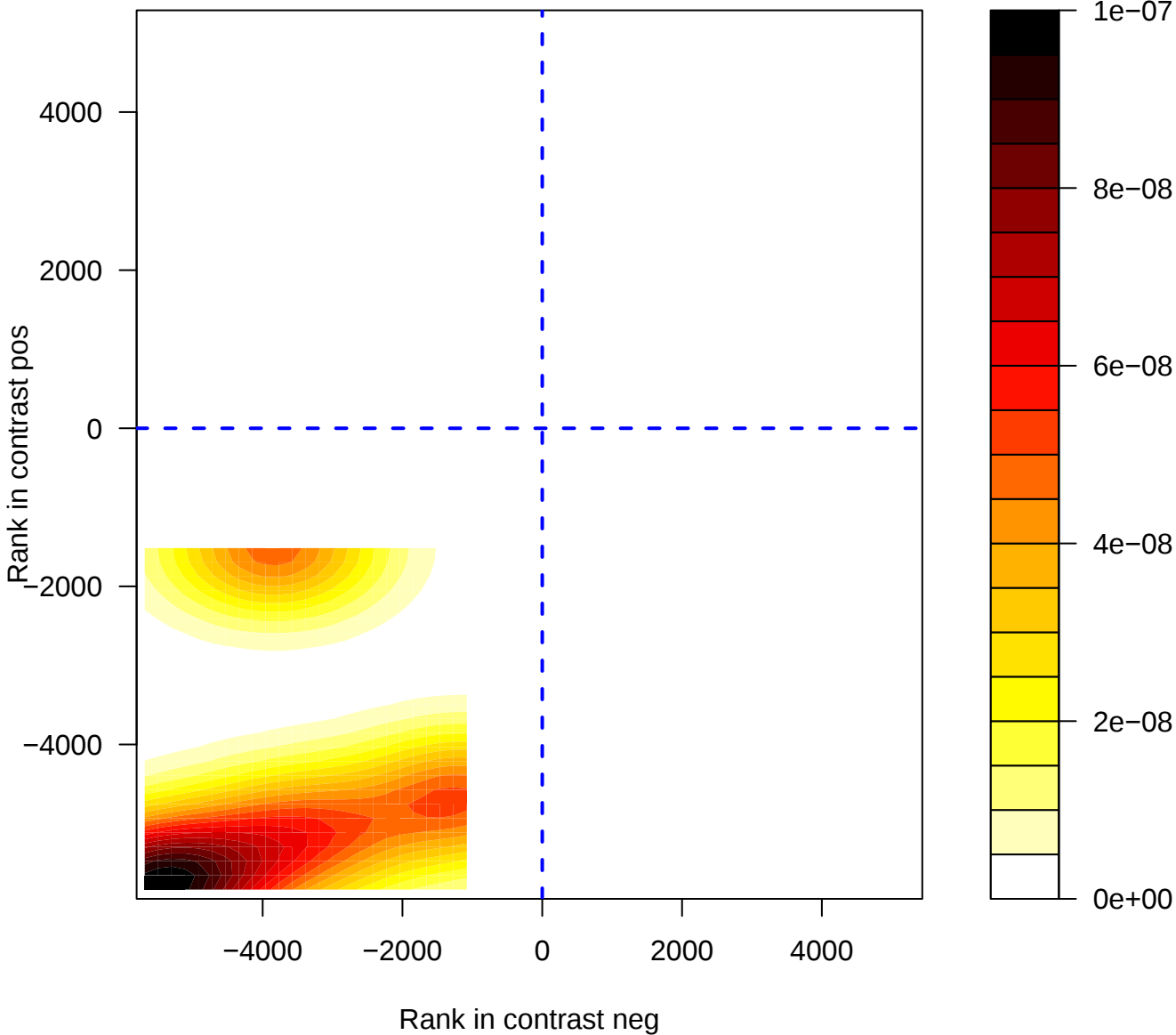
GO:0120183 positive regulation of focal adhesion disassembly



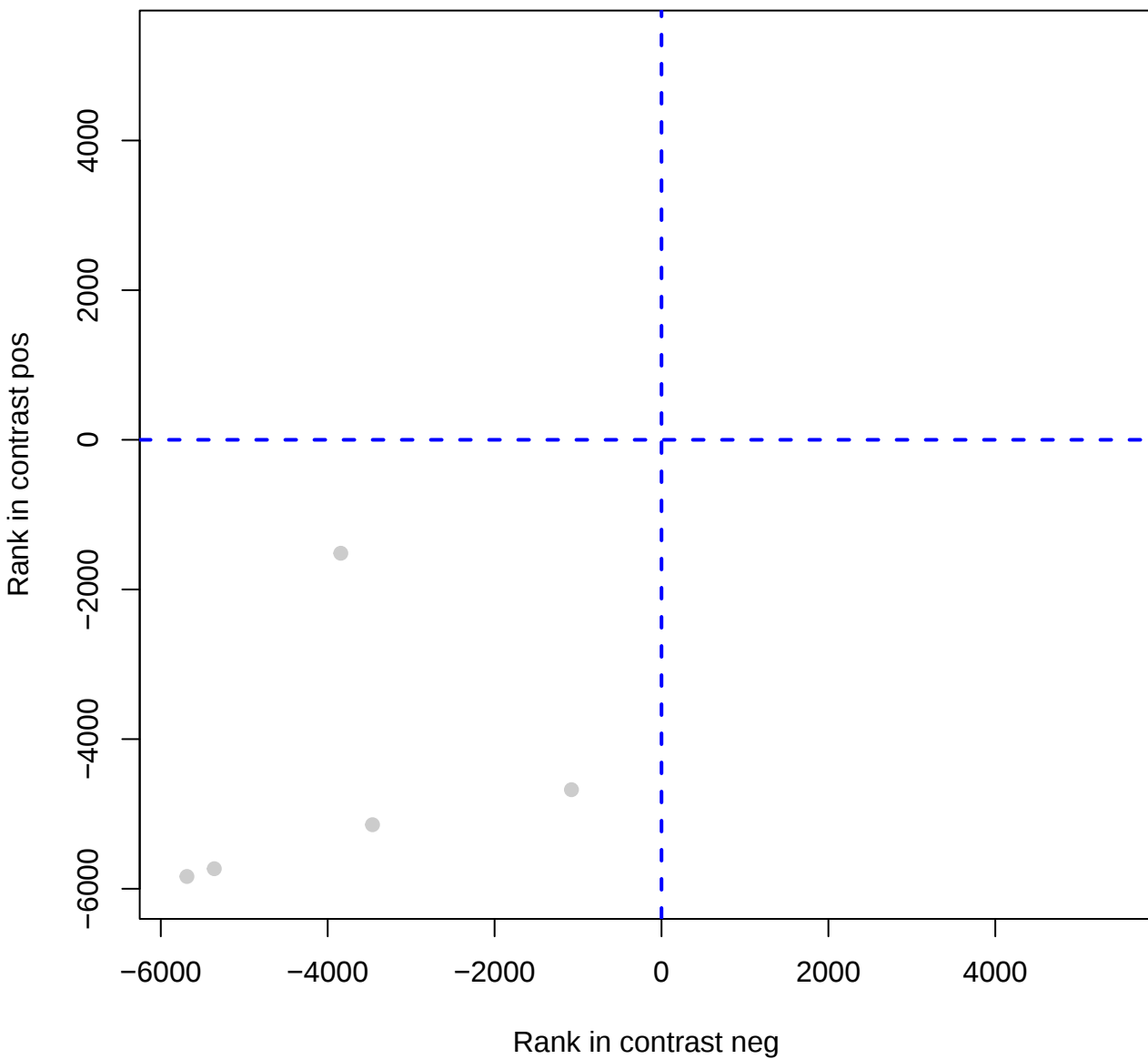
GO:0120183 positive regulation of focal adhesion



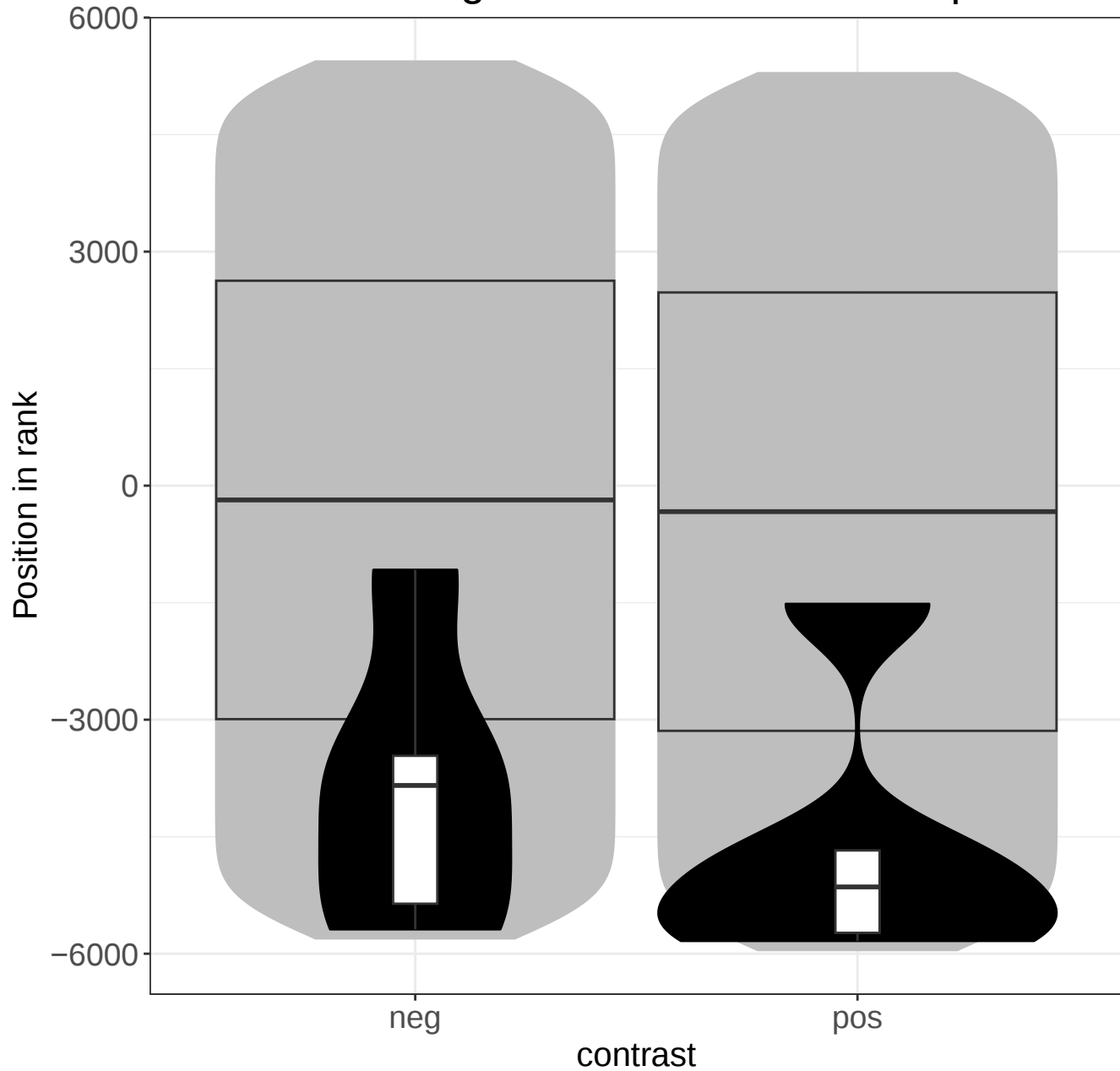
GO:0032675 regulation of interleukin-6 production



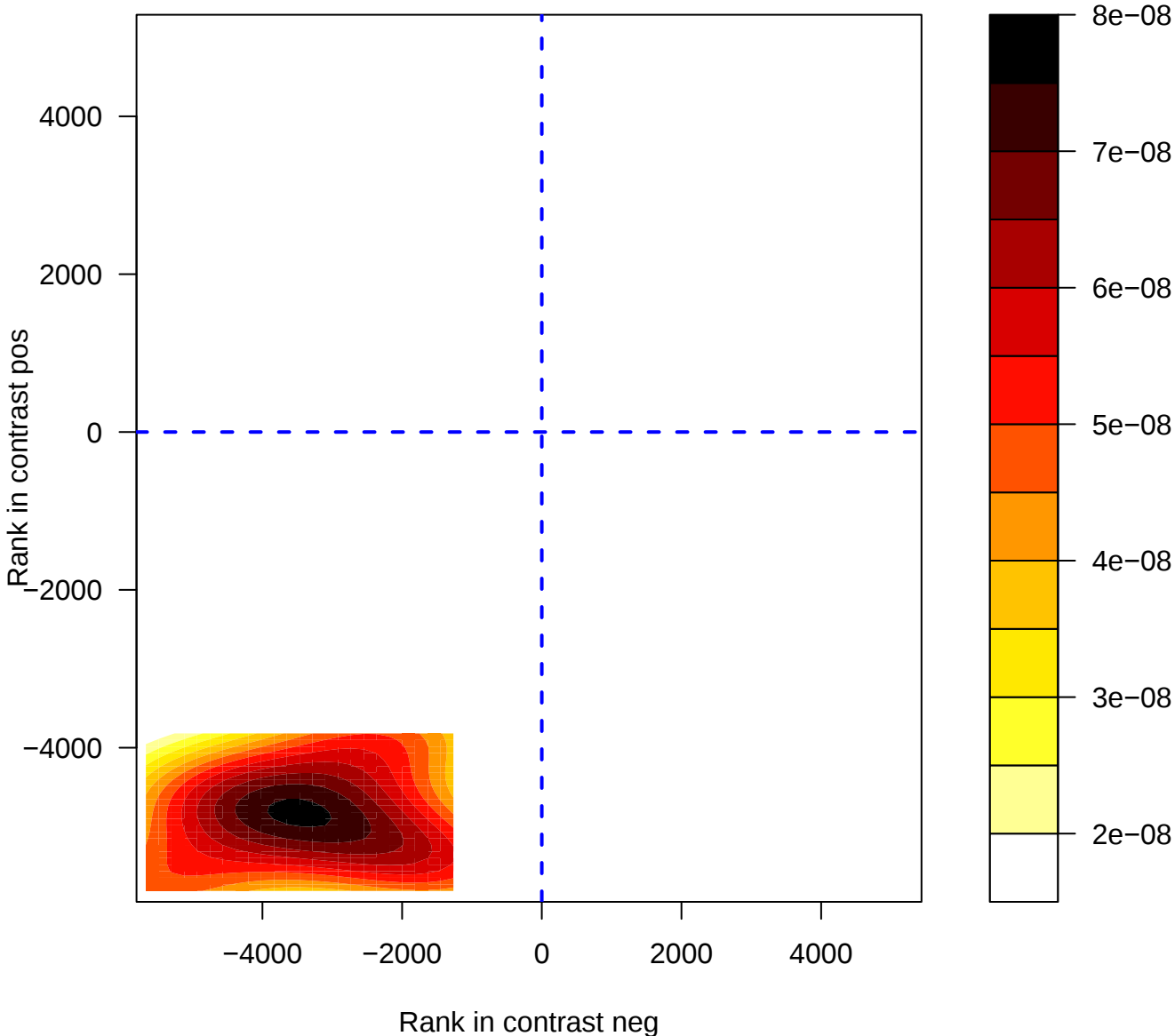
GO:0032675 regulation of interleukin-6 production



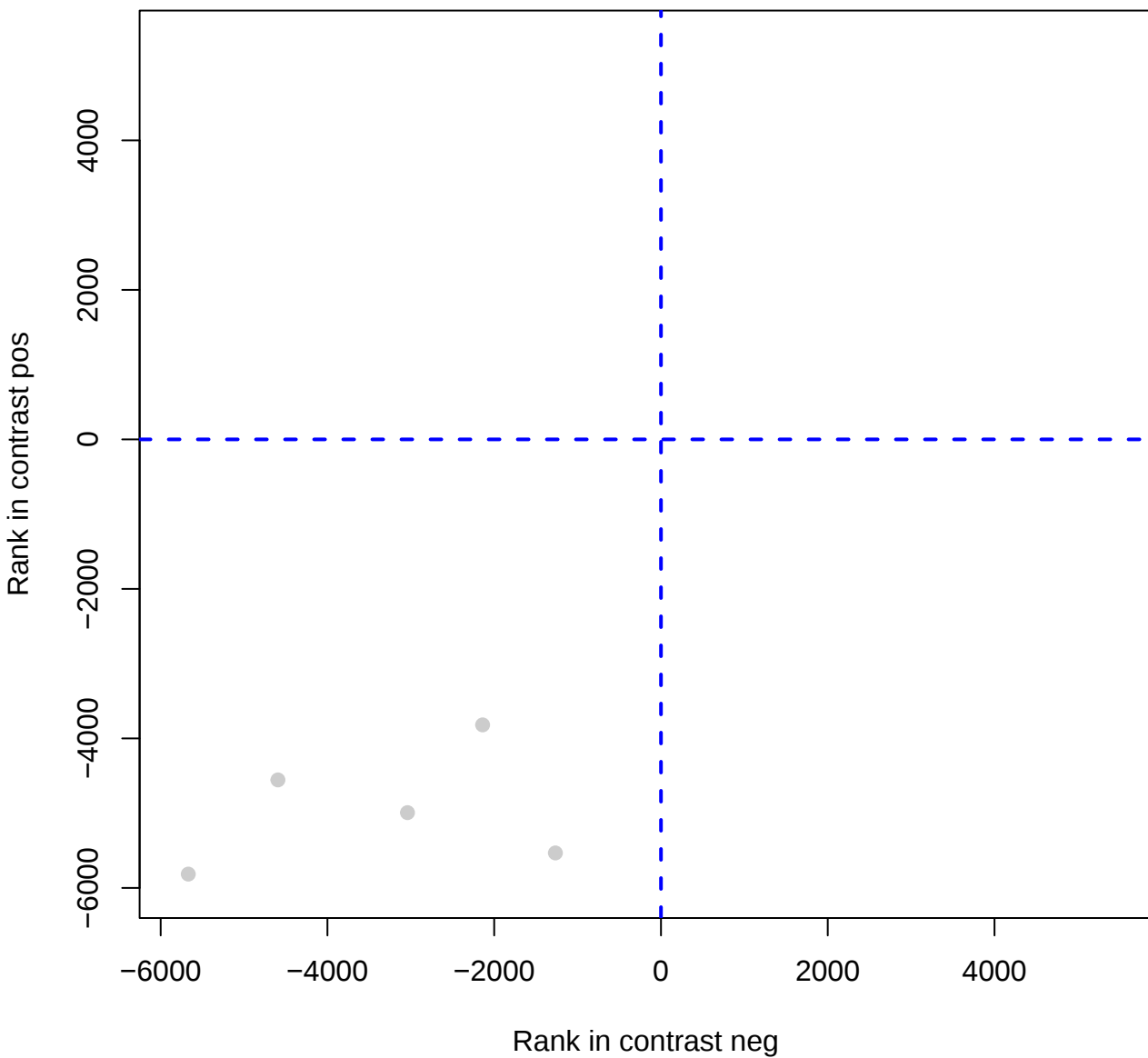
GO:0032675 regulation of interleukin-6 production



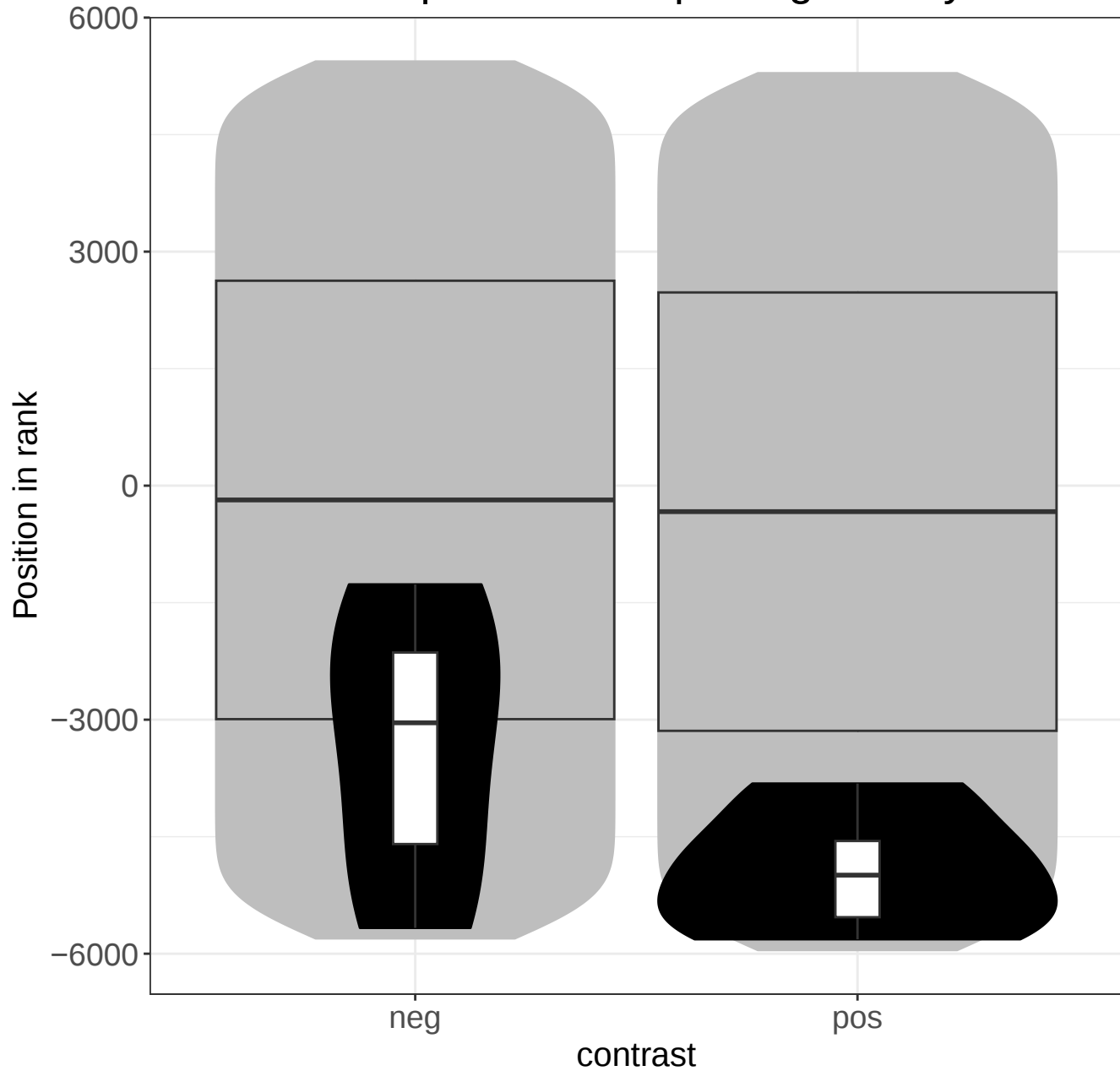
0045261 proton-transporting ATP synthase complex, catalyti



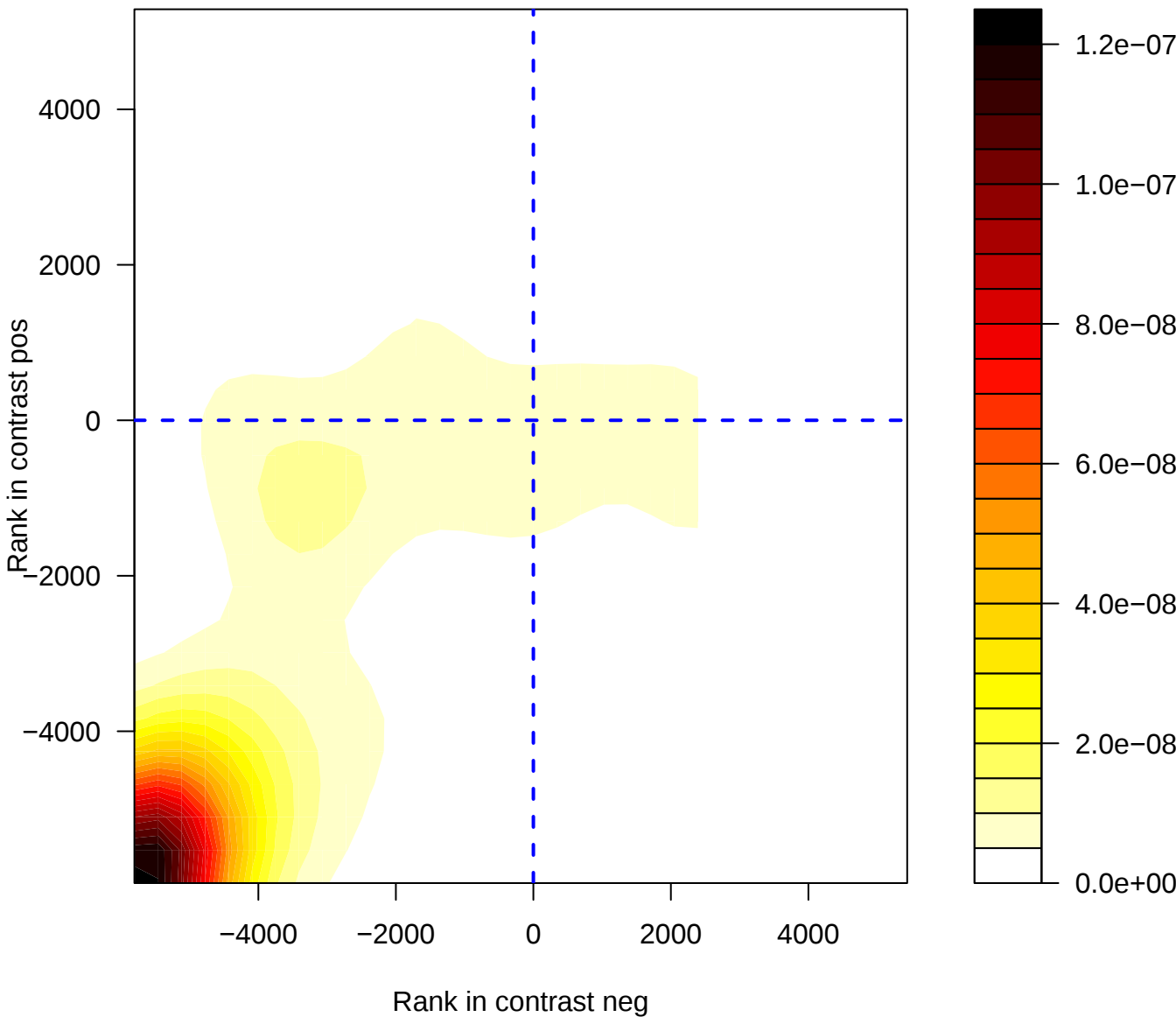
GO:0045261 proton-transporting ATP synthase complex, catalytic core F(



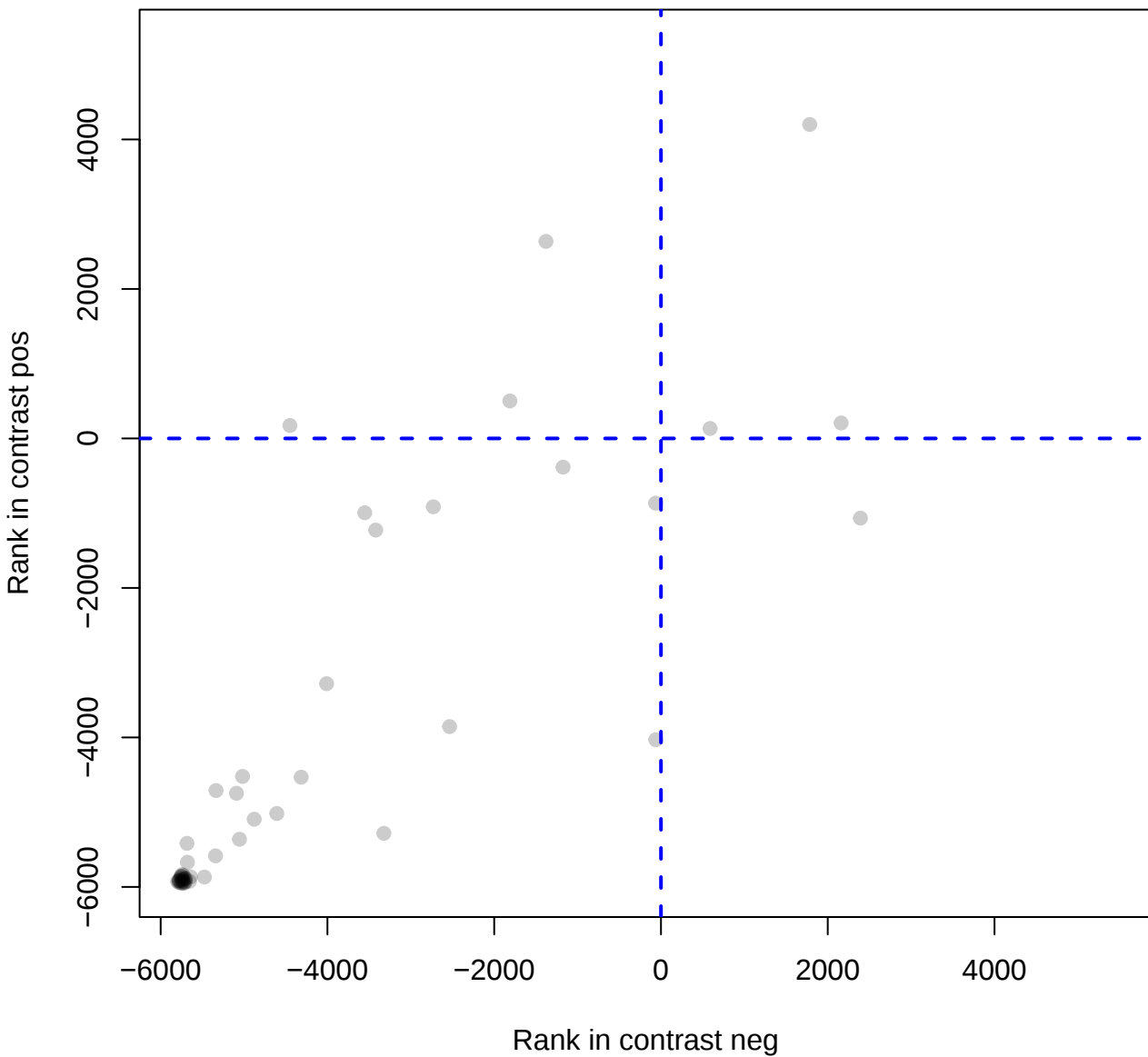
GO:0045261 proton-transporting ATP synthase c



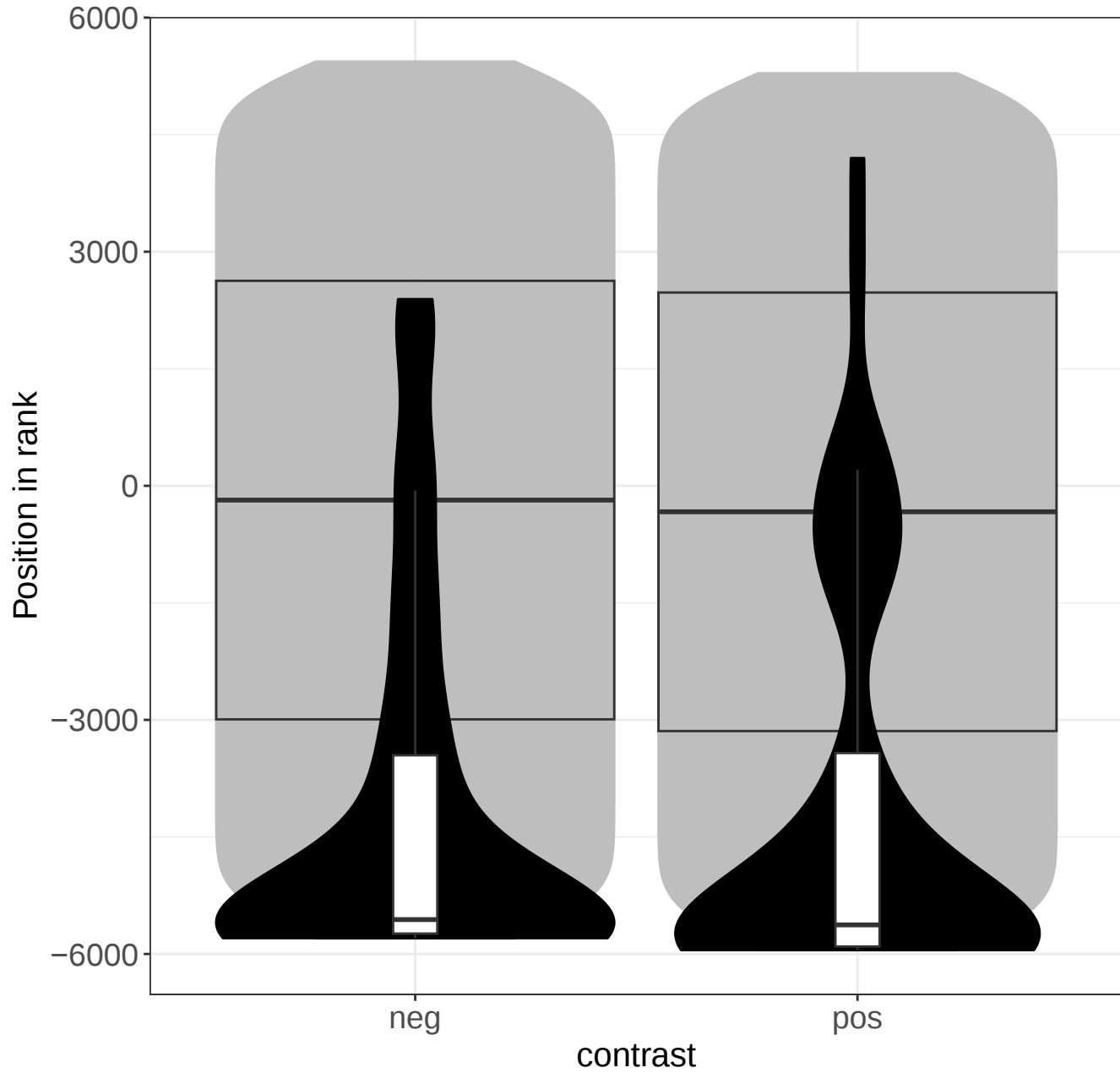
GO:0005840 ribosome



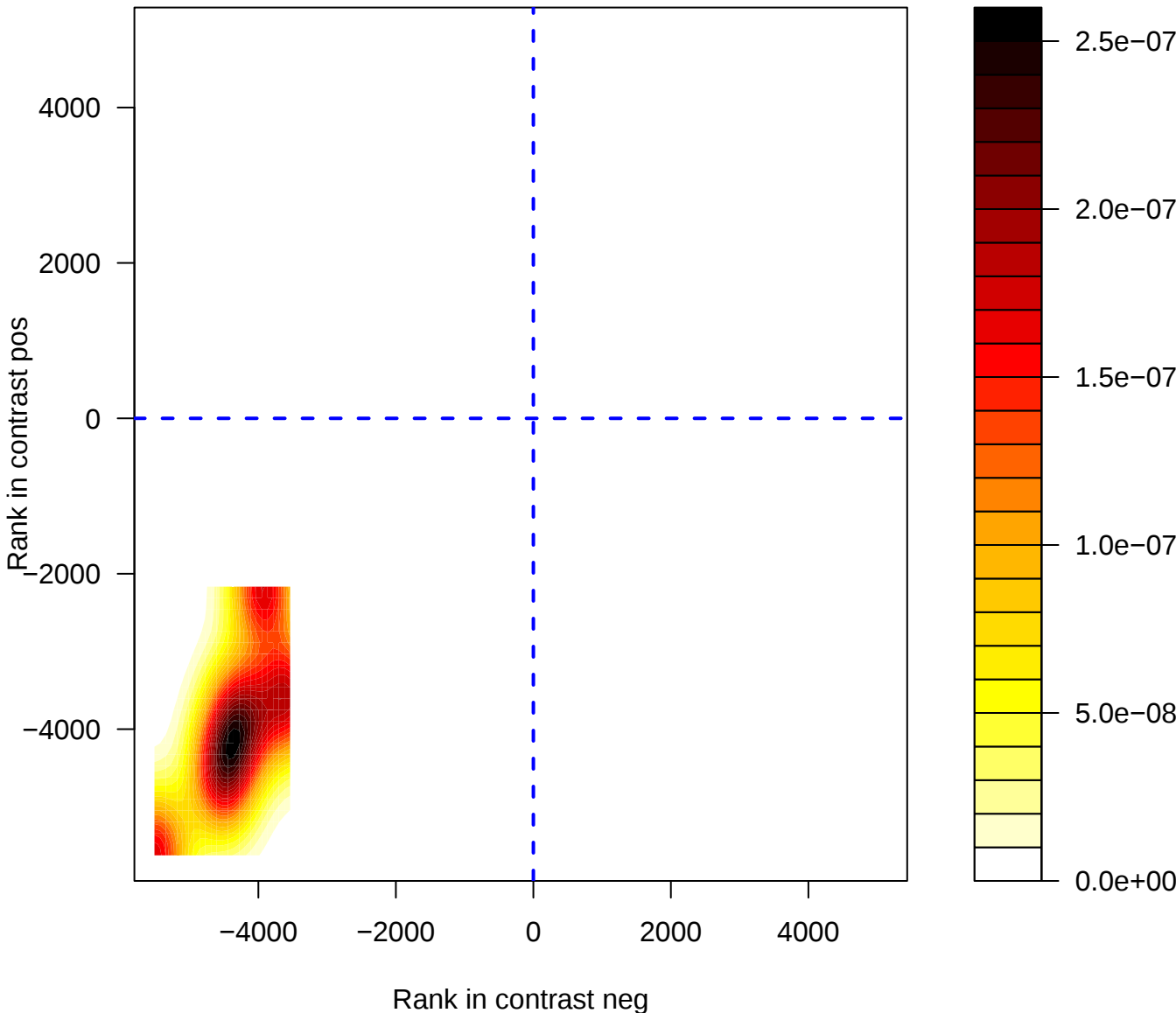
GO:0005840 ribosome



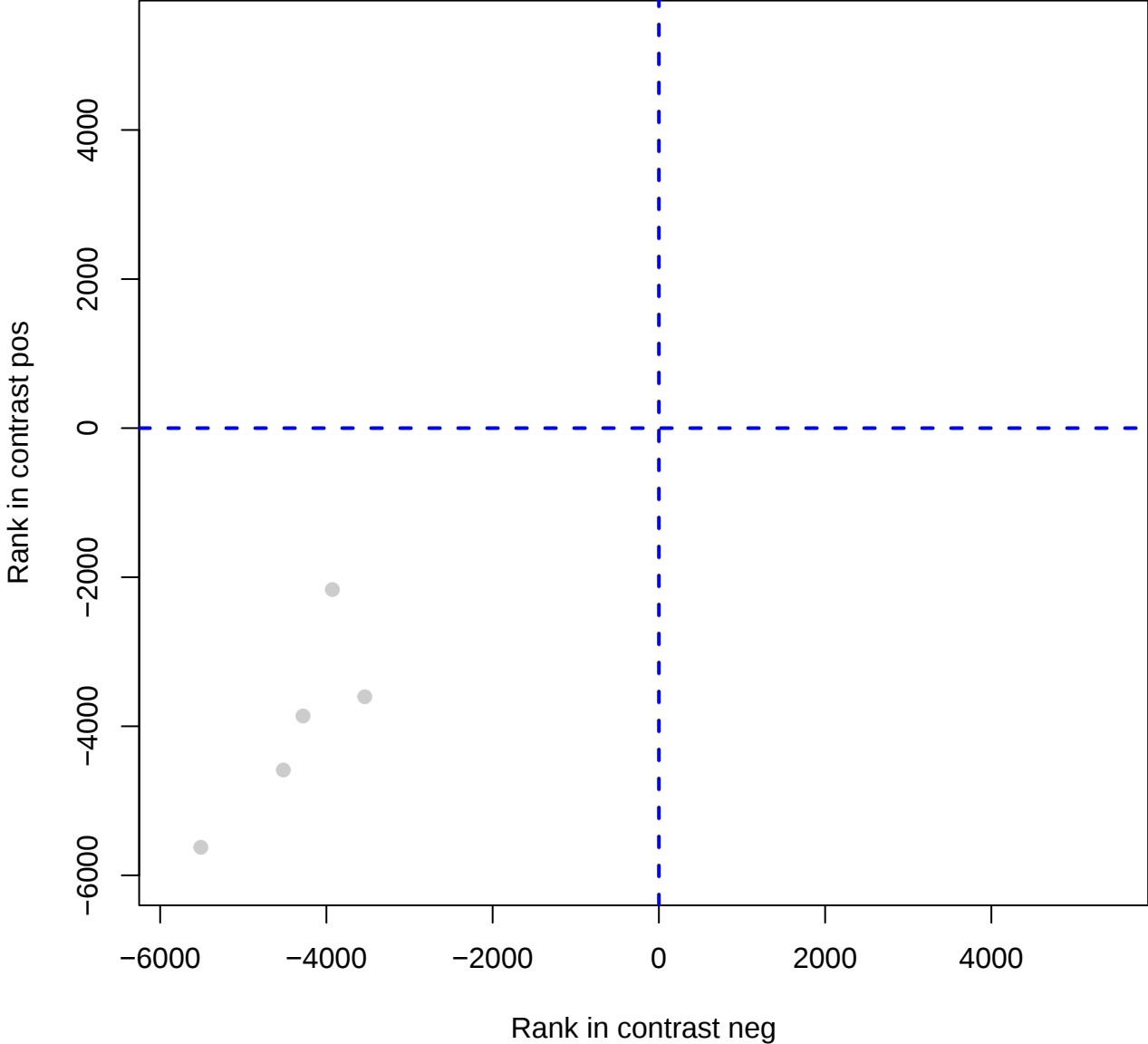
GO:0005840 ribosome



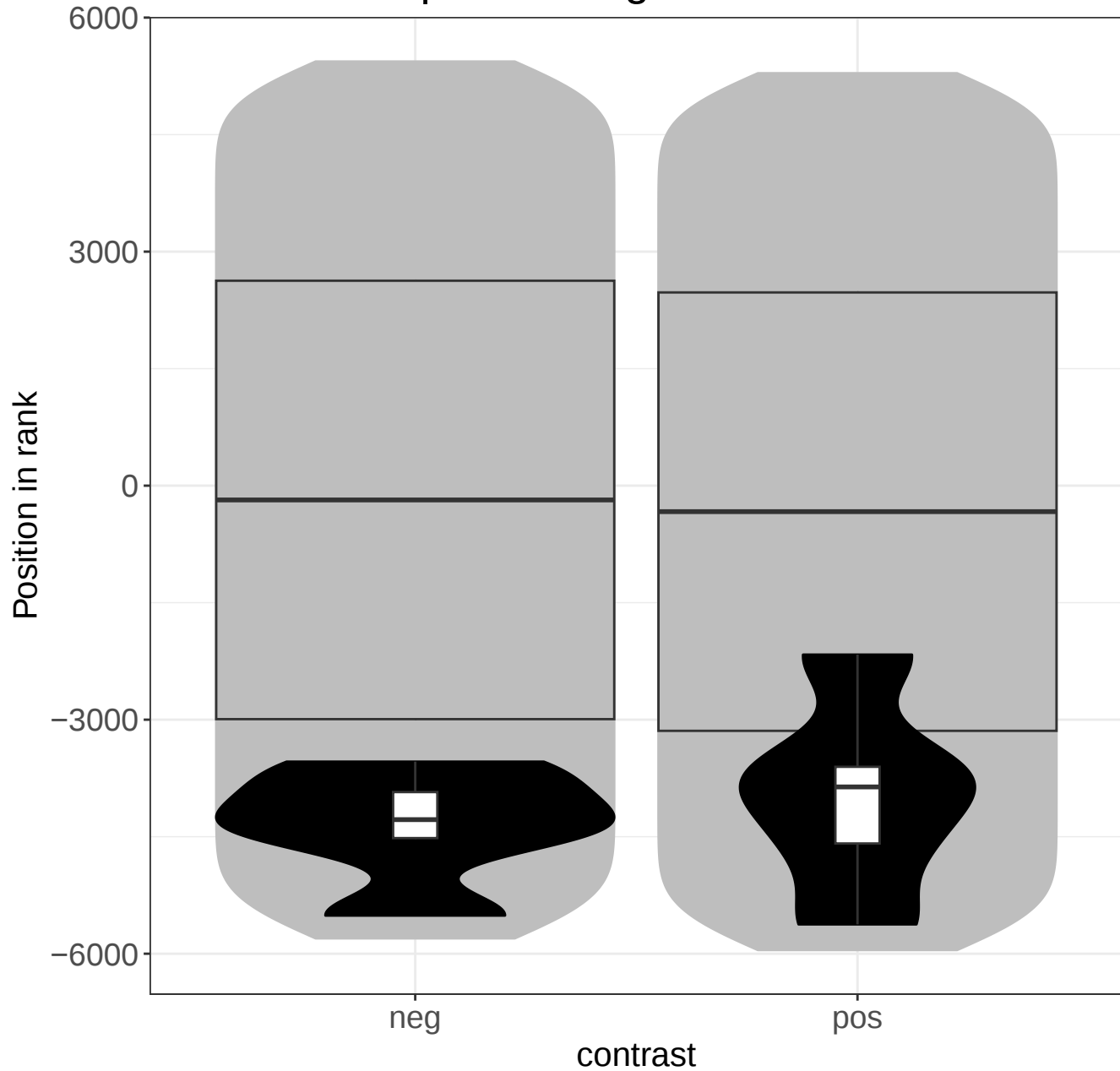
GO:0043323 positive regulation of natural killer cell degranulation



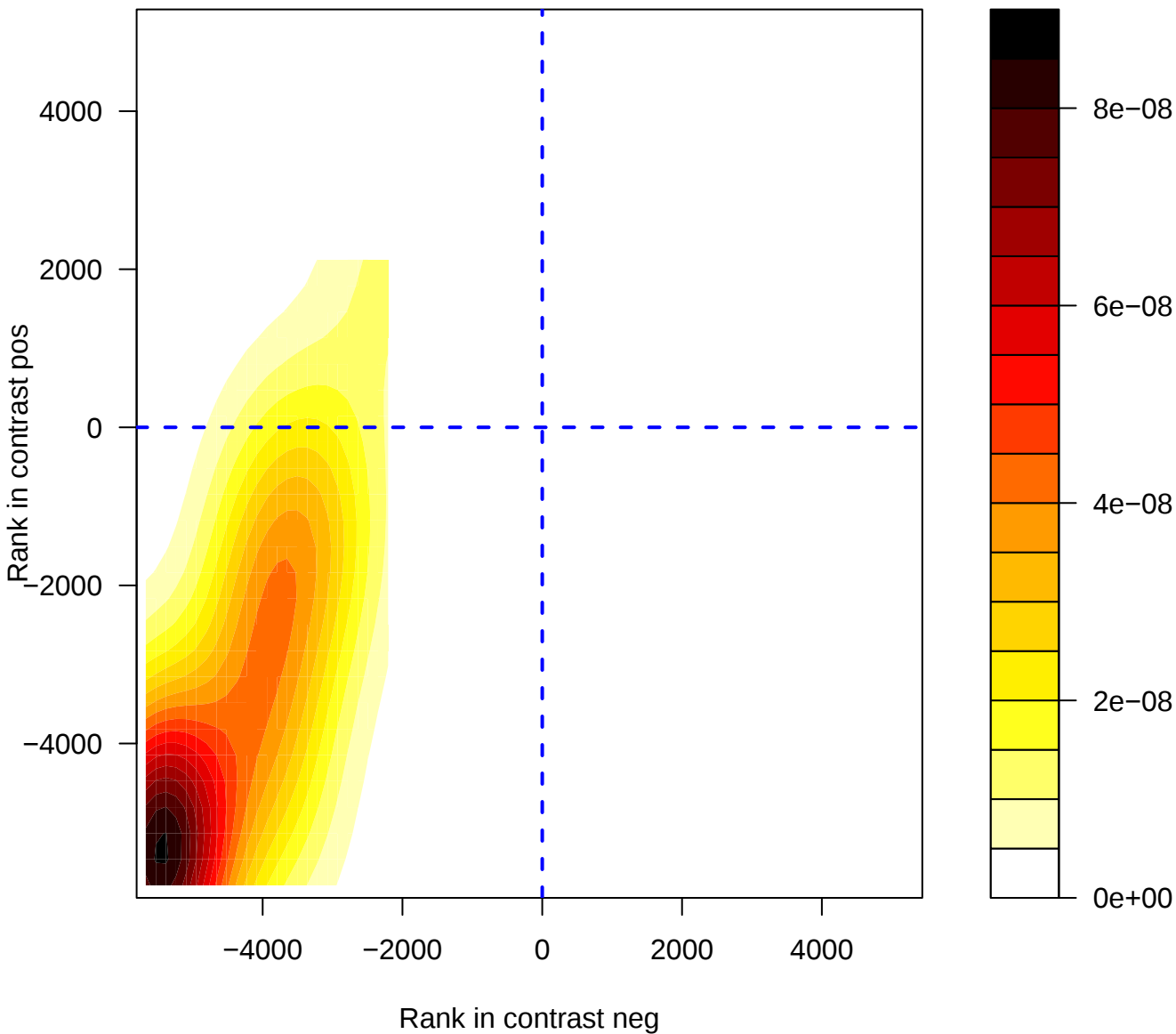
GO:0043323 positive regulation of natural killer cell degranulation



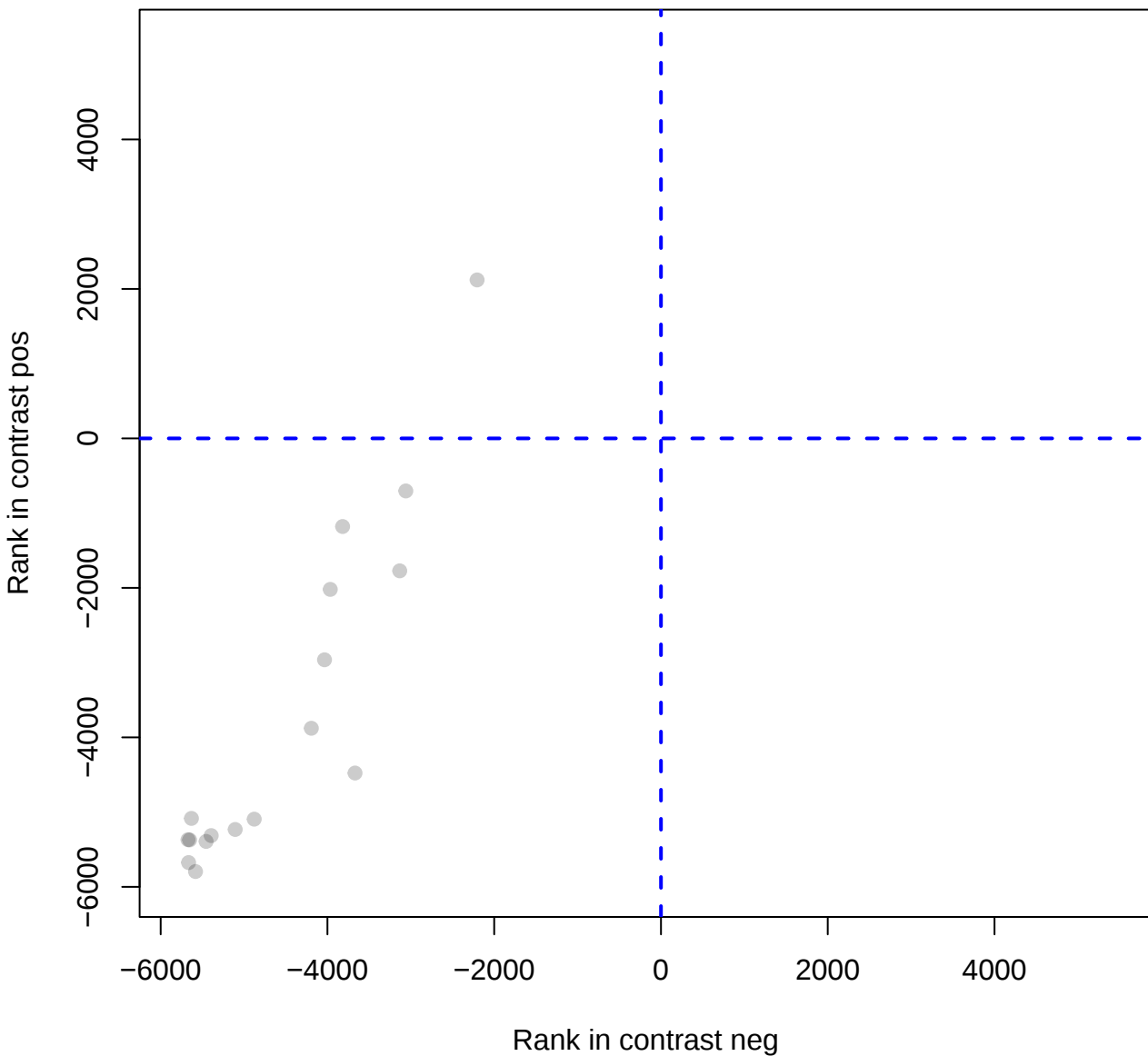
GO:0043323 positive regulation of natural killer cell



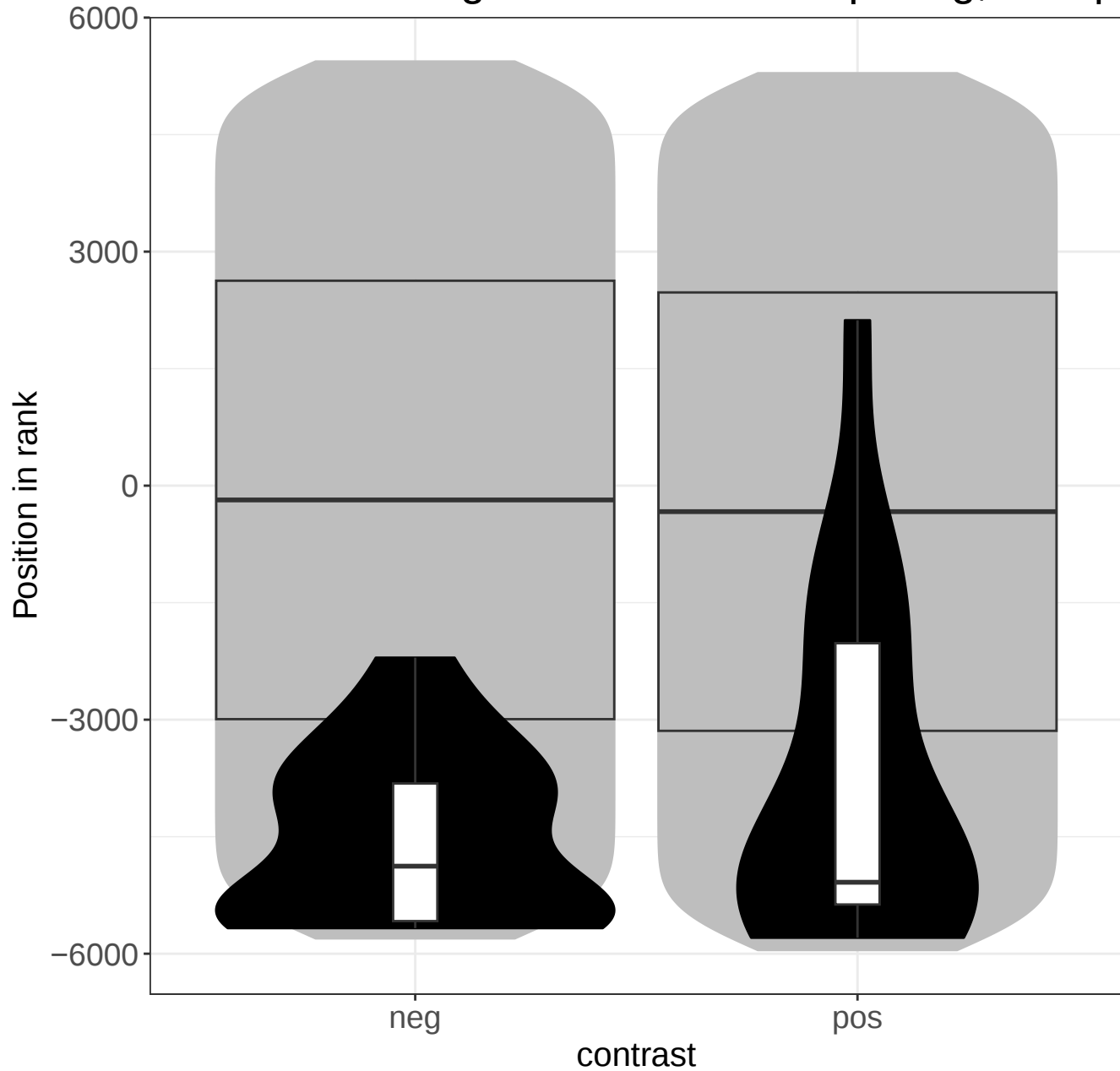
GO:0048024 regulation of mRNA splicing, via spliceosom



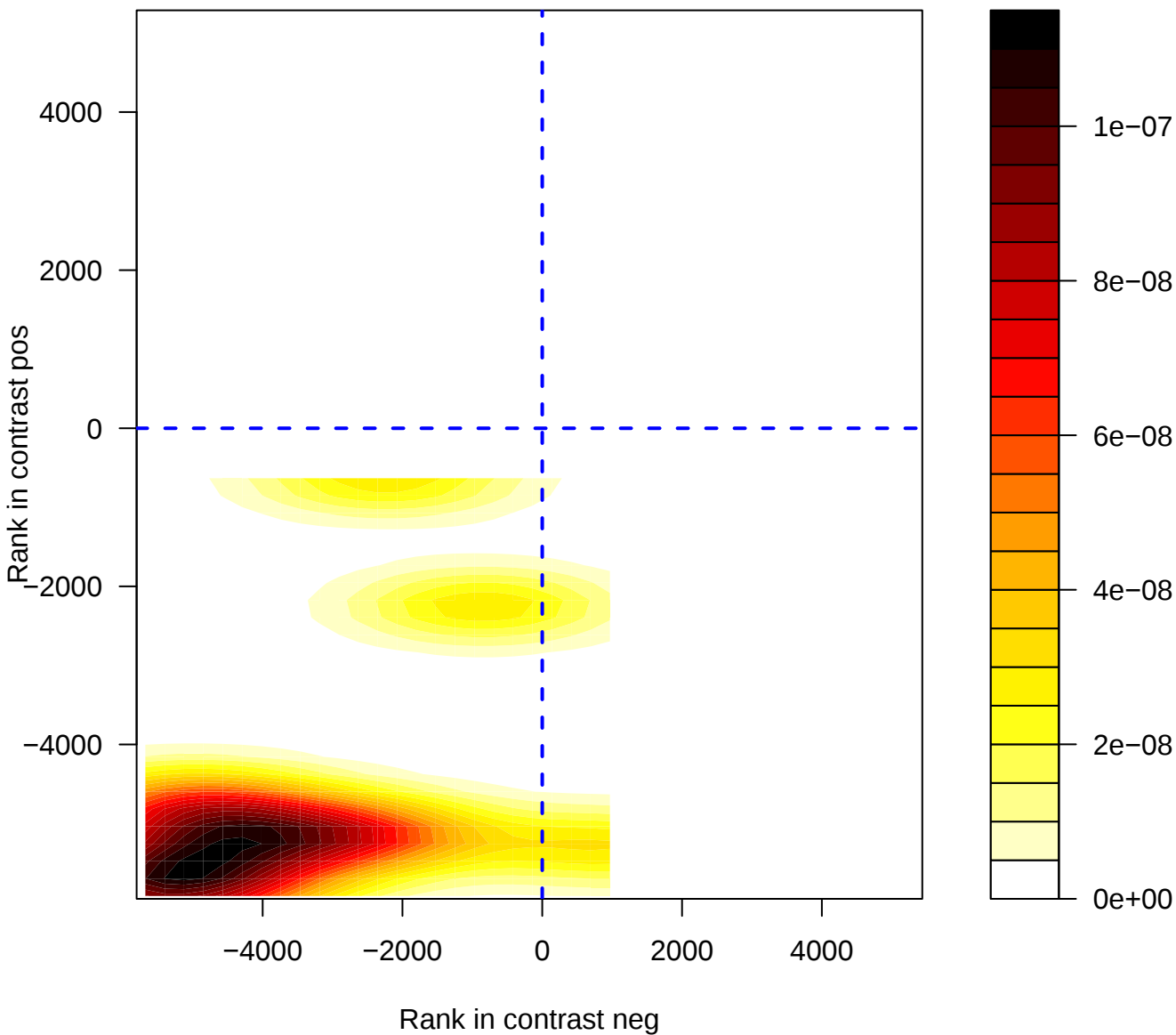
GO:0048024 regulation of mRNA splicing, via spliceosome



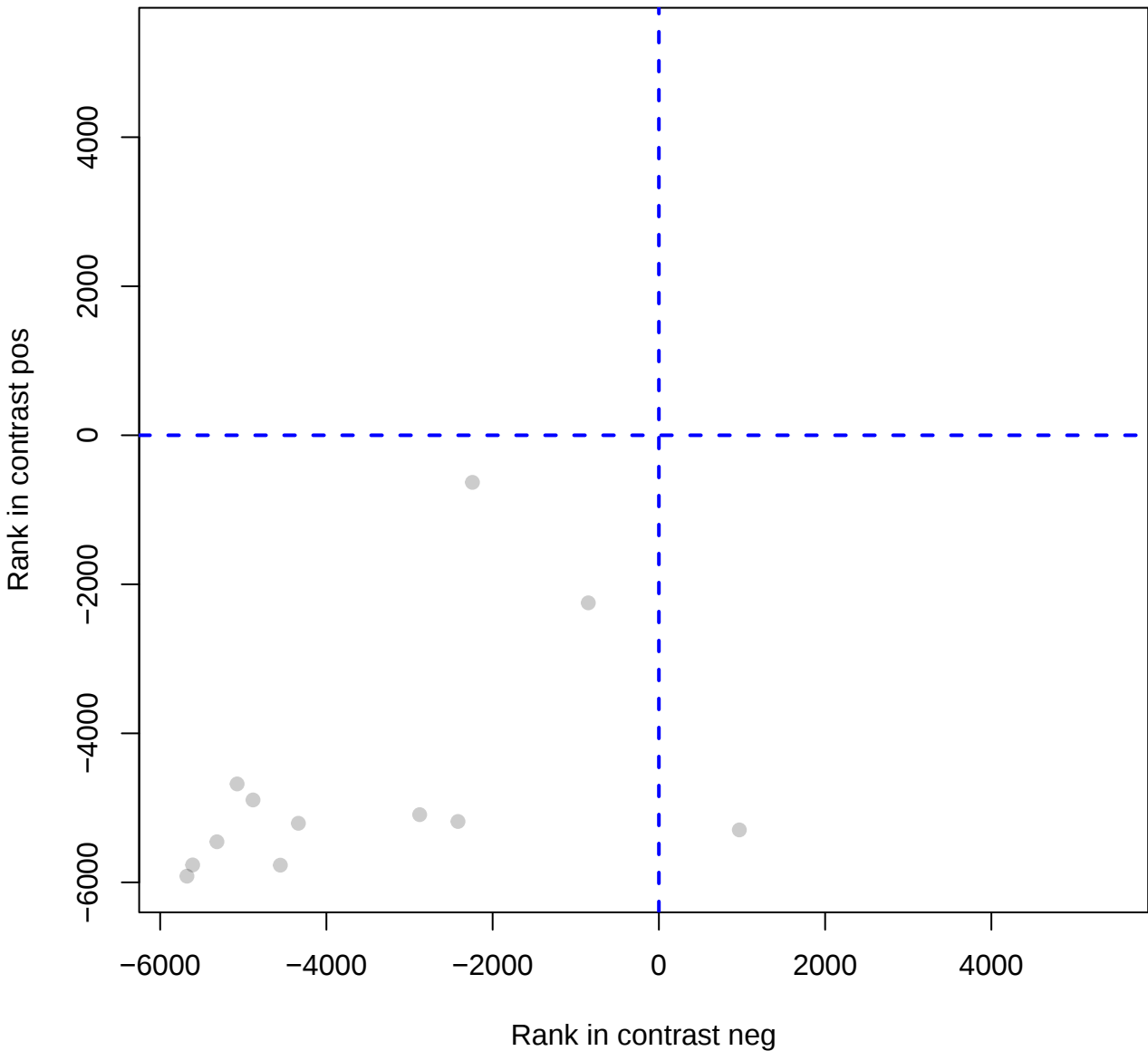
GO:0048024 regulation of mRNA splicing, via spli



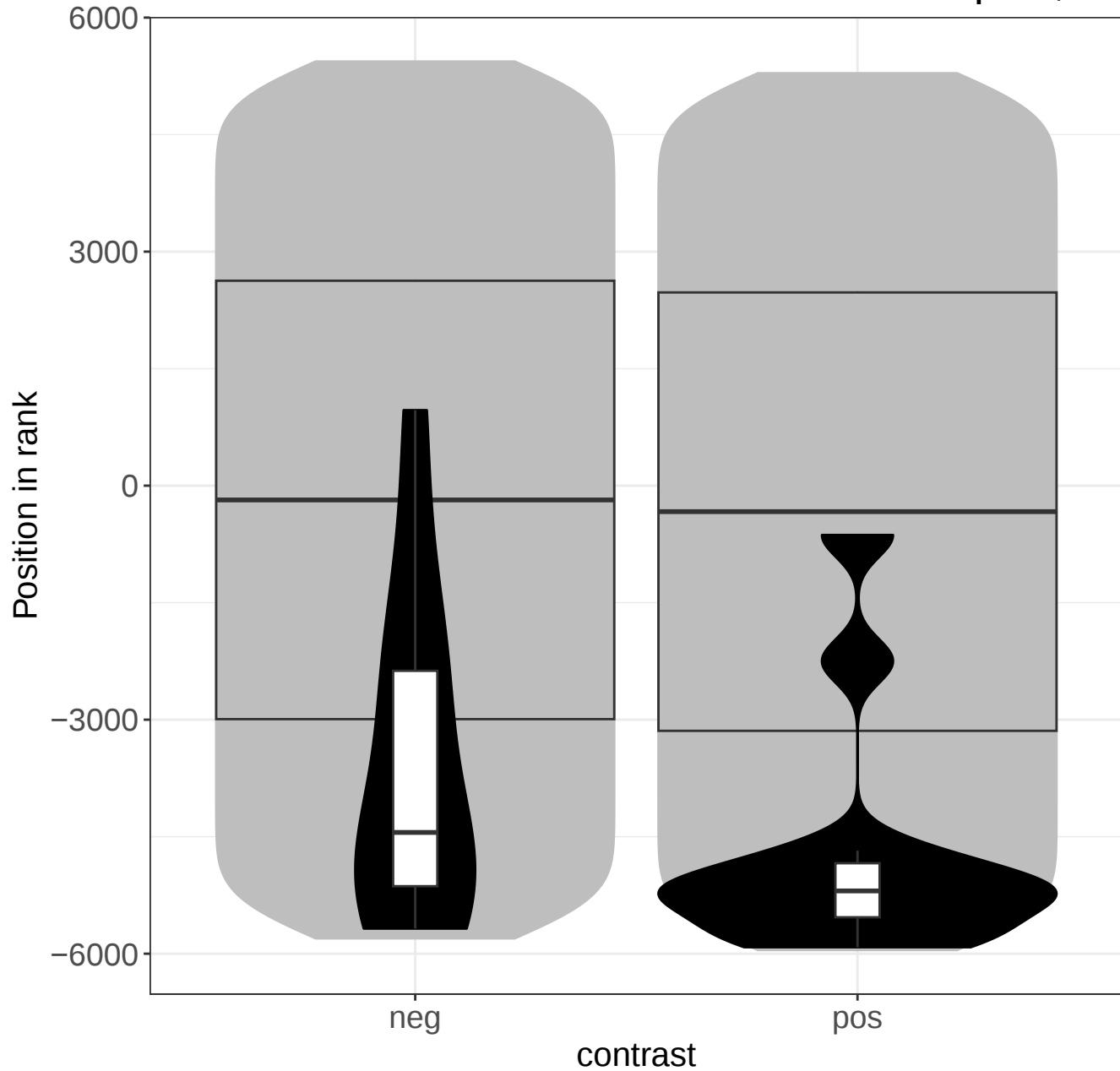
0:0006122 mitochondrial electron transport, ubiquinol to cyto



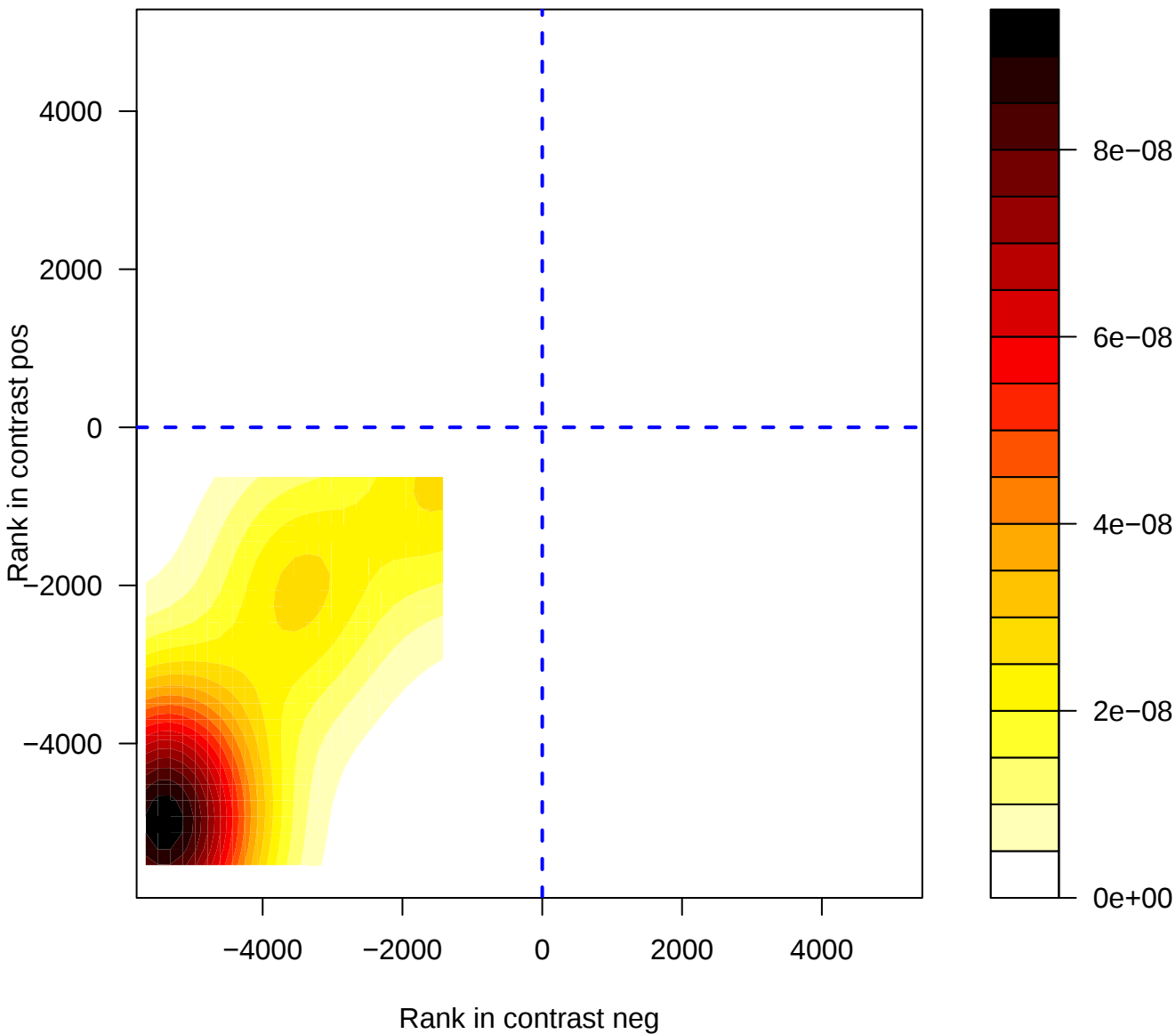
GO:0006122 mitochondrial electron transport, ubiquinol to cytochrome c



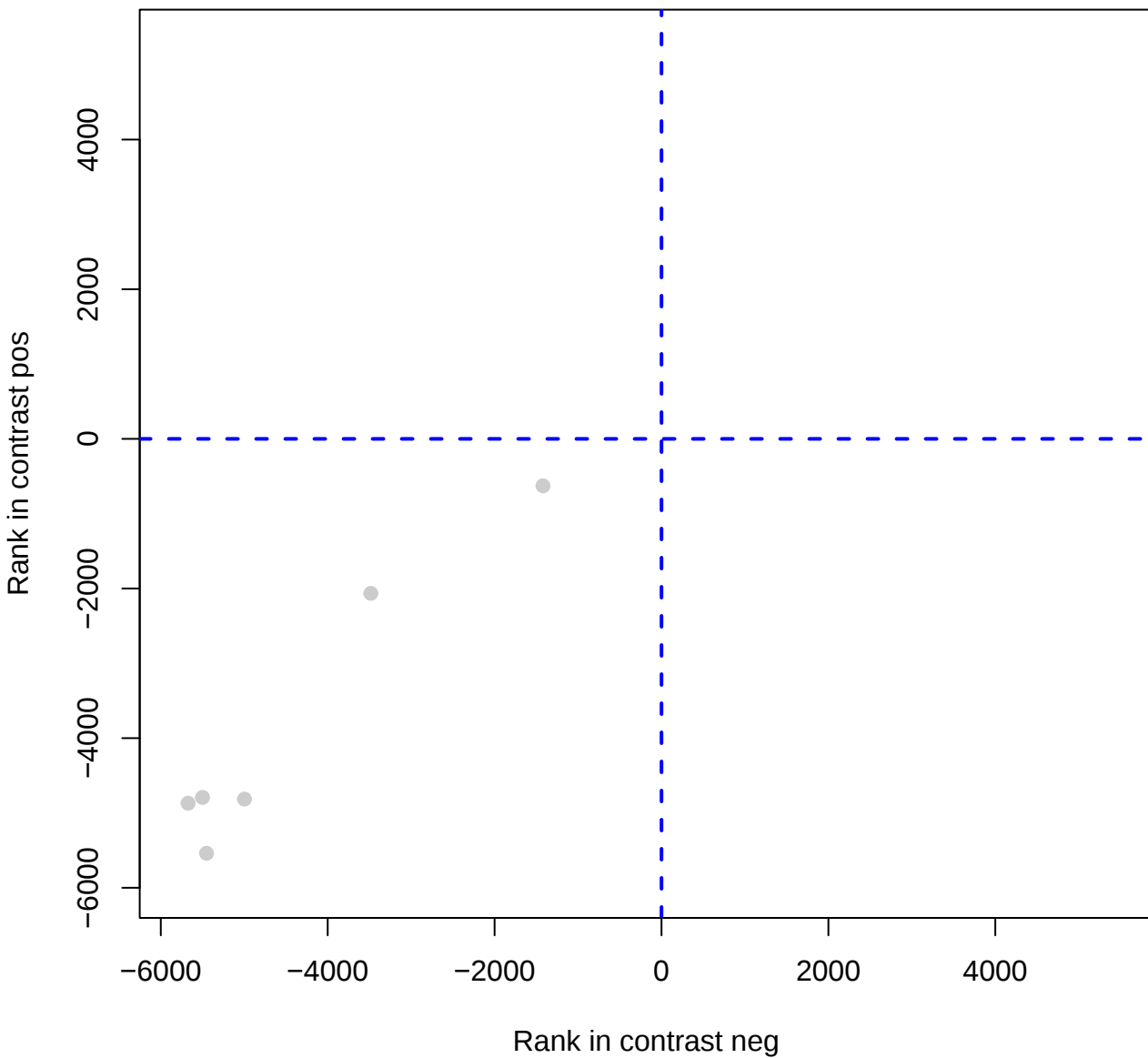
GO:0006122 mitochondrial electron transport, ubi



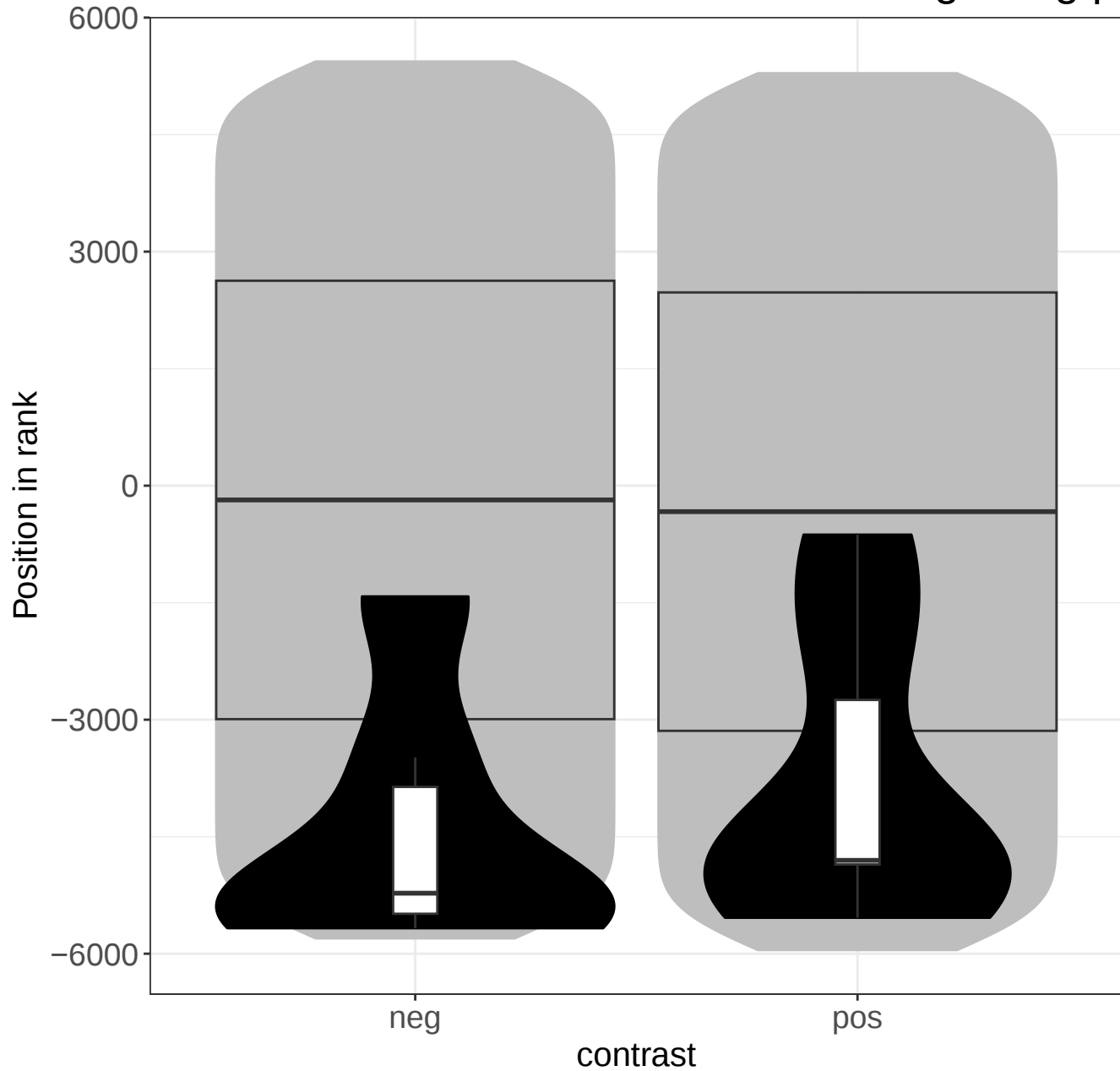
GO:0038110 interleukin-2-mediated signaling pathway



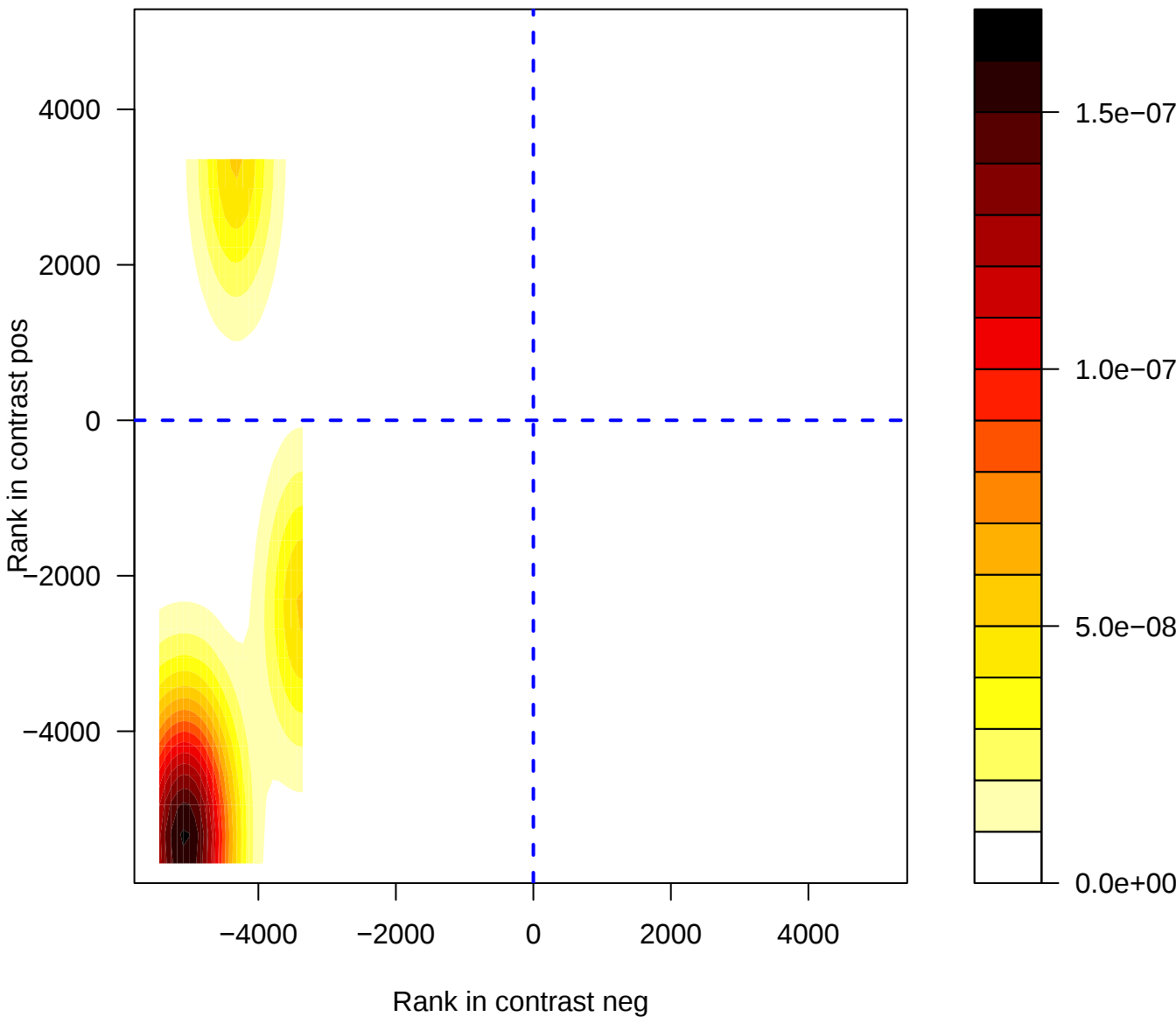
GO:0038110 interleukin-2-mediated signaling pathway



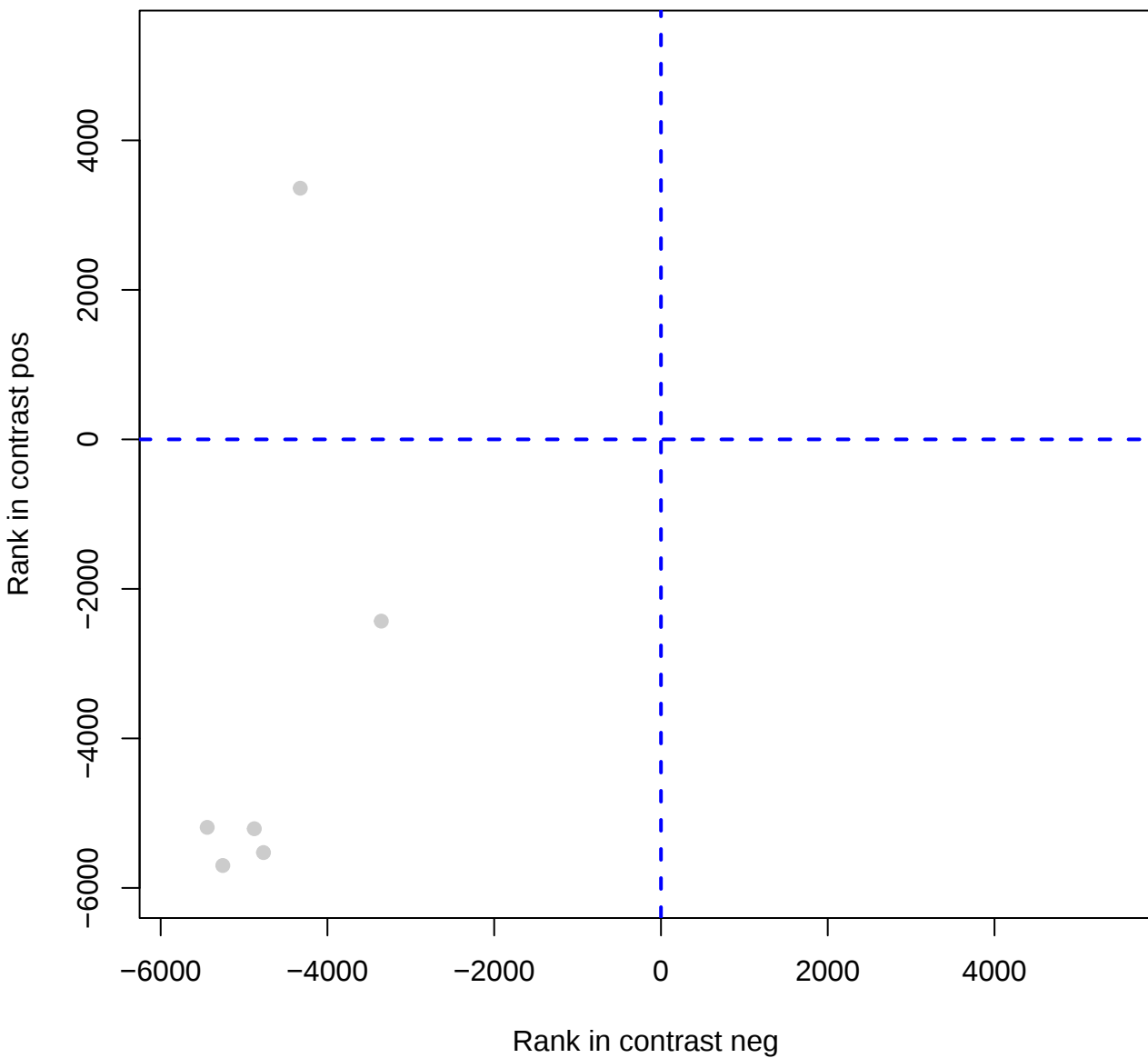
GO:0038110 interleukin-2-mediated signaling pa



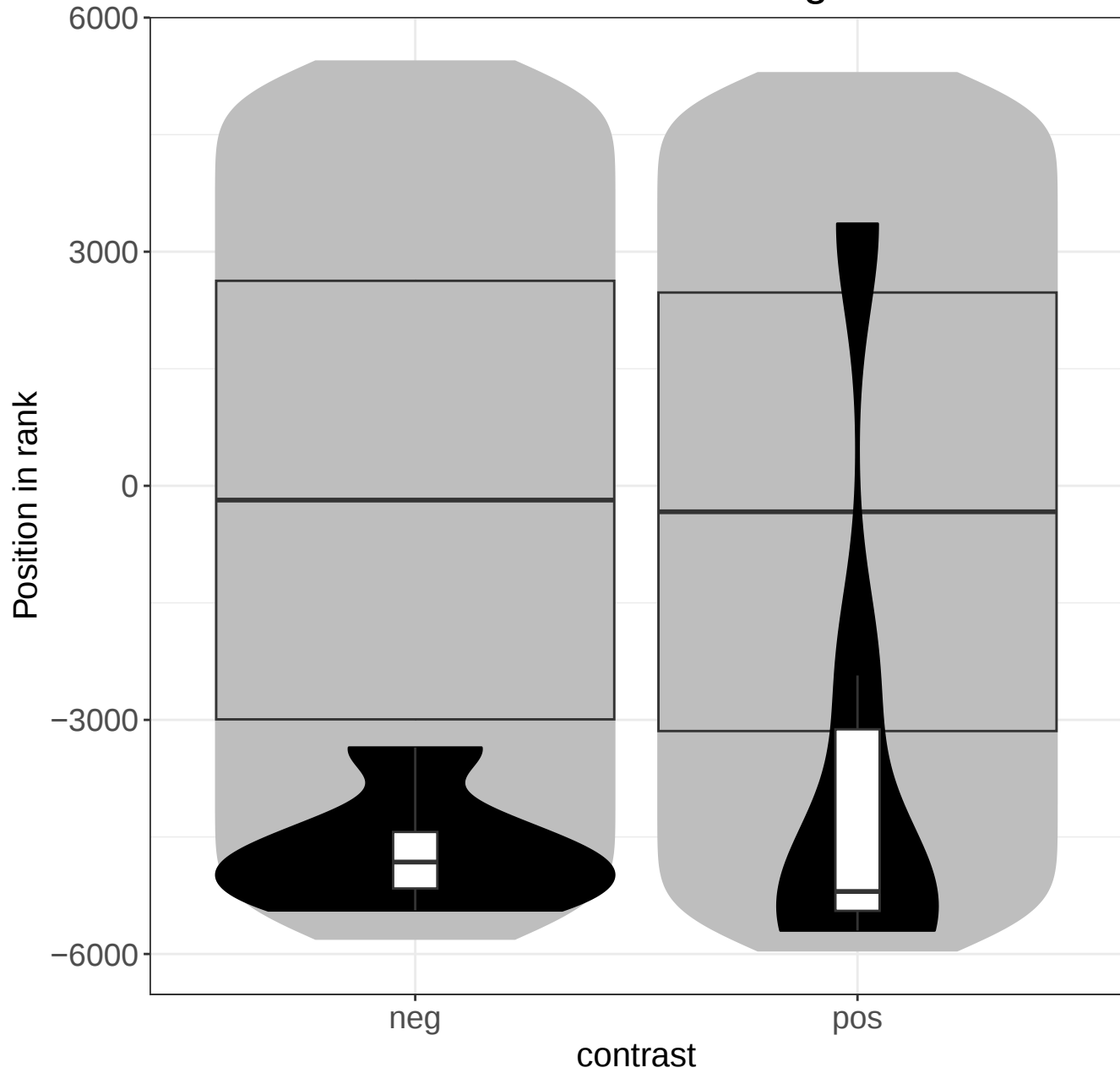
GO:0030911 TPR domain binding



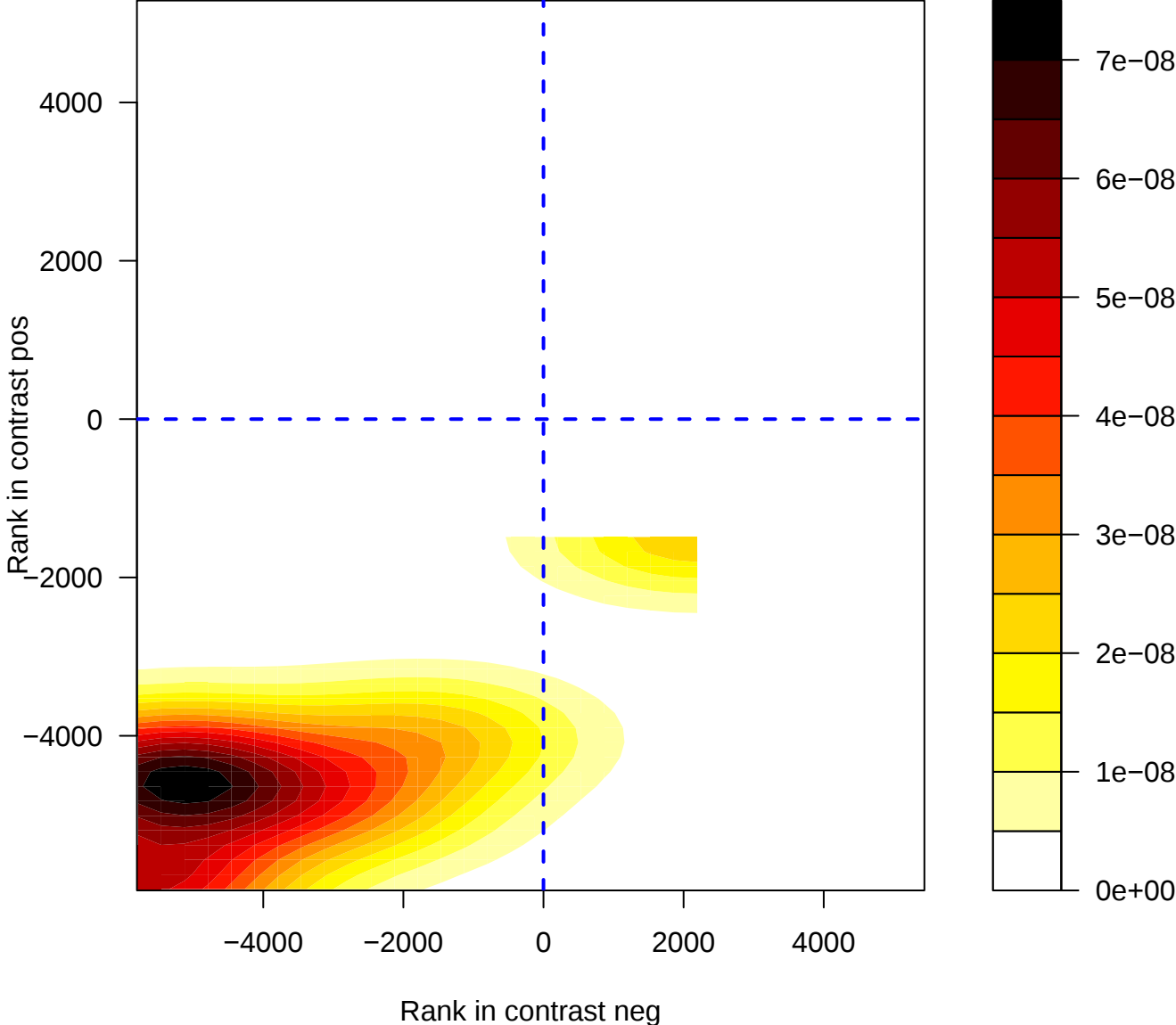
GO:0030911 TPR domain binding



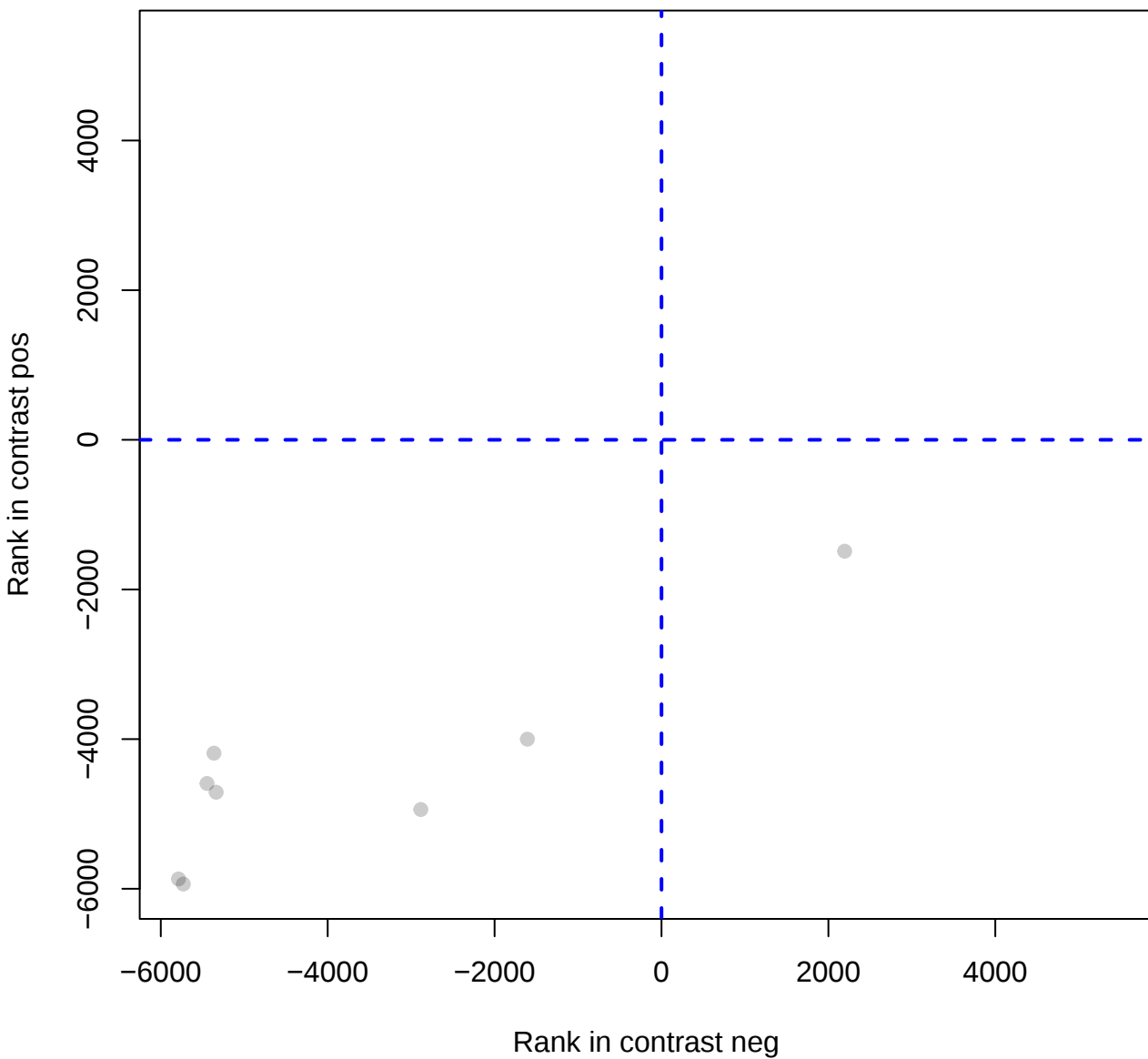
GO:0030911 TPR domain binding



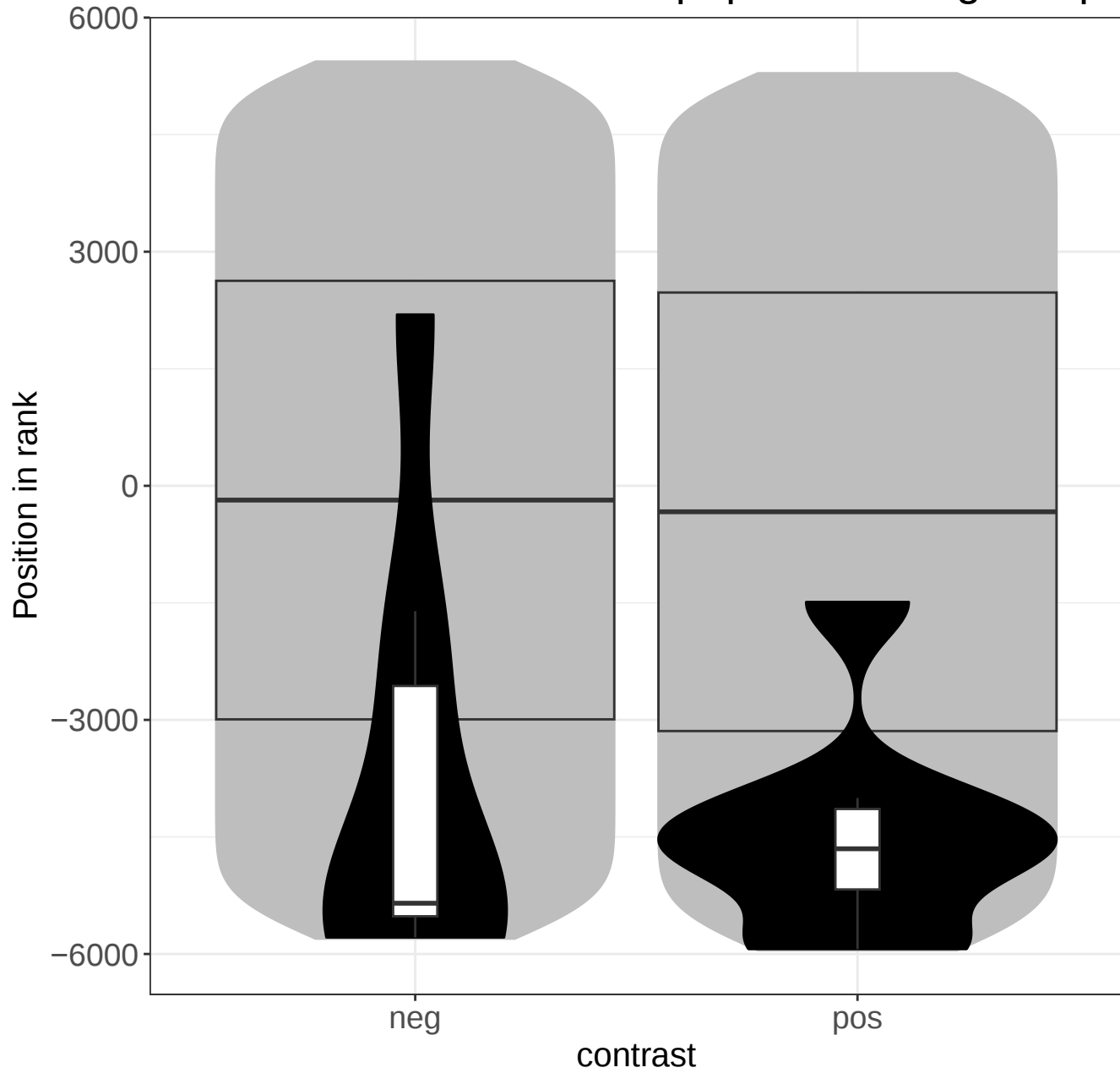
GO:0042824 MHC class I peptide loading complex



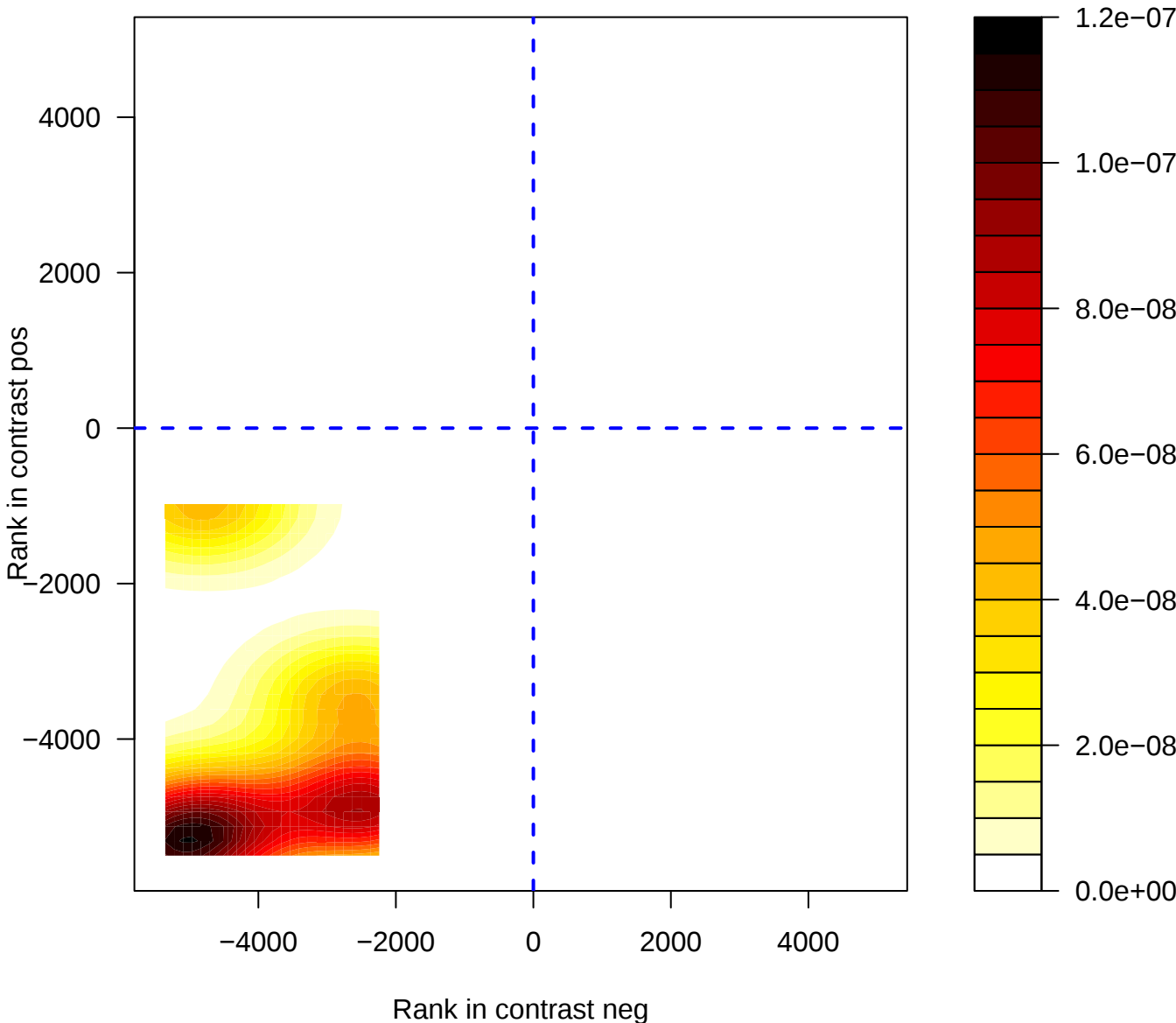
GO:0042824 MHC class I peptide loading complex



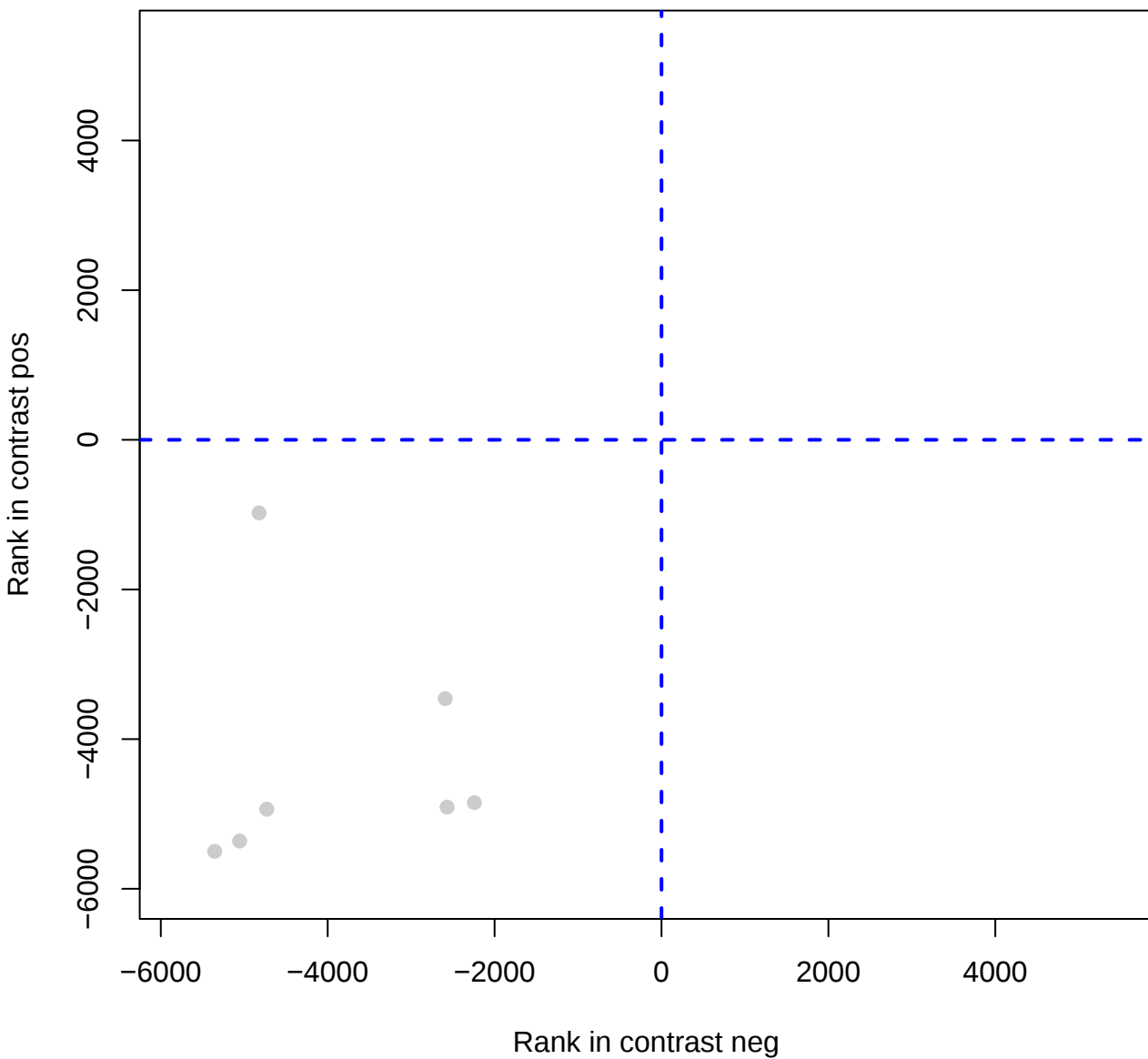
GO:0042824 MHC class I peptide loading comple



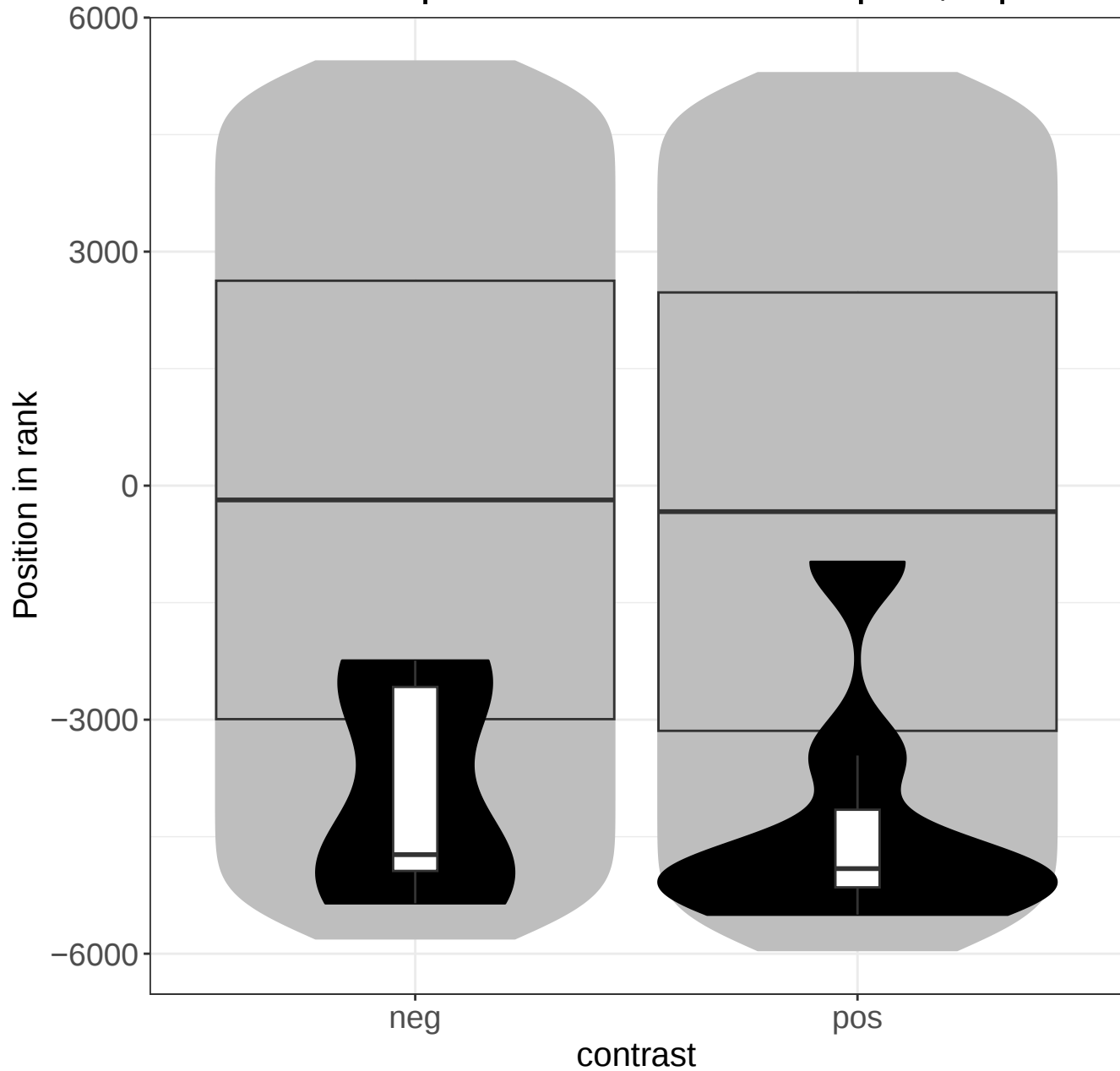
GO:0019773 proteasome core complex, alpha-subunit com



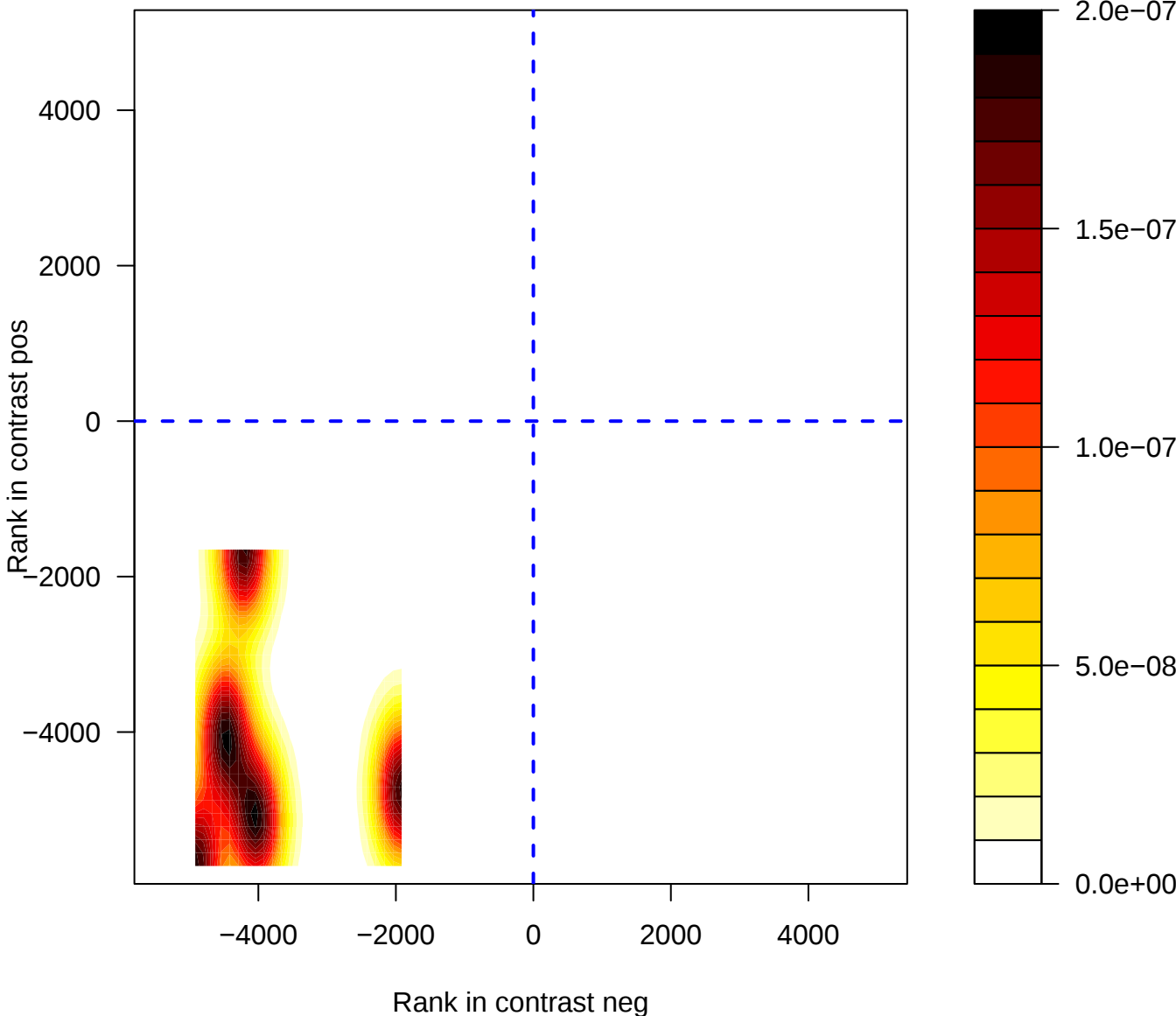
GO:0019773 proteasome core complex, alpha-subunit complex



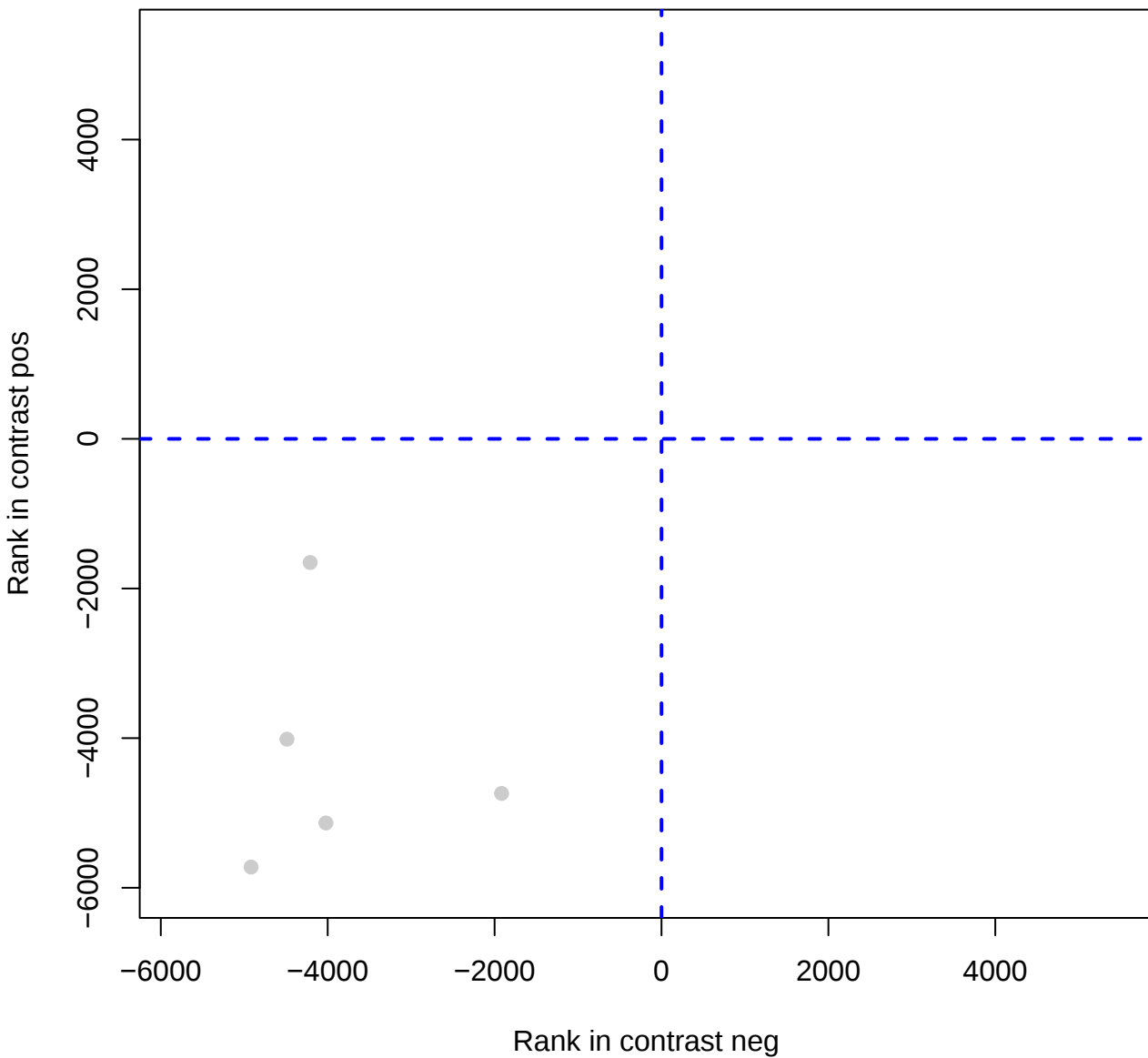
GO:0019773 proteasome core complex, alpha-subunit



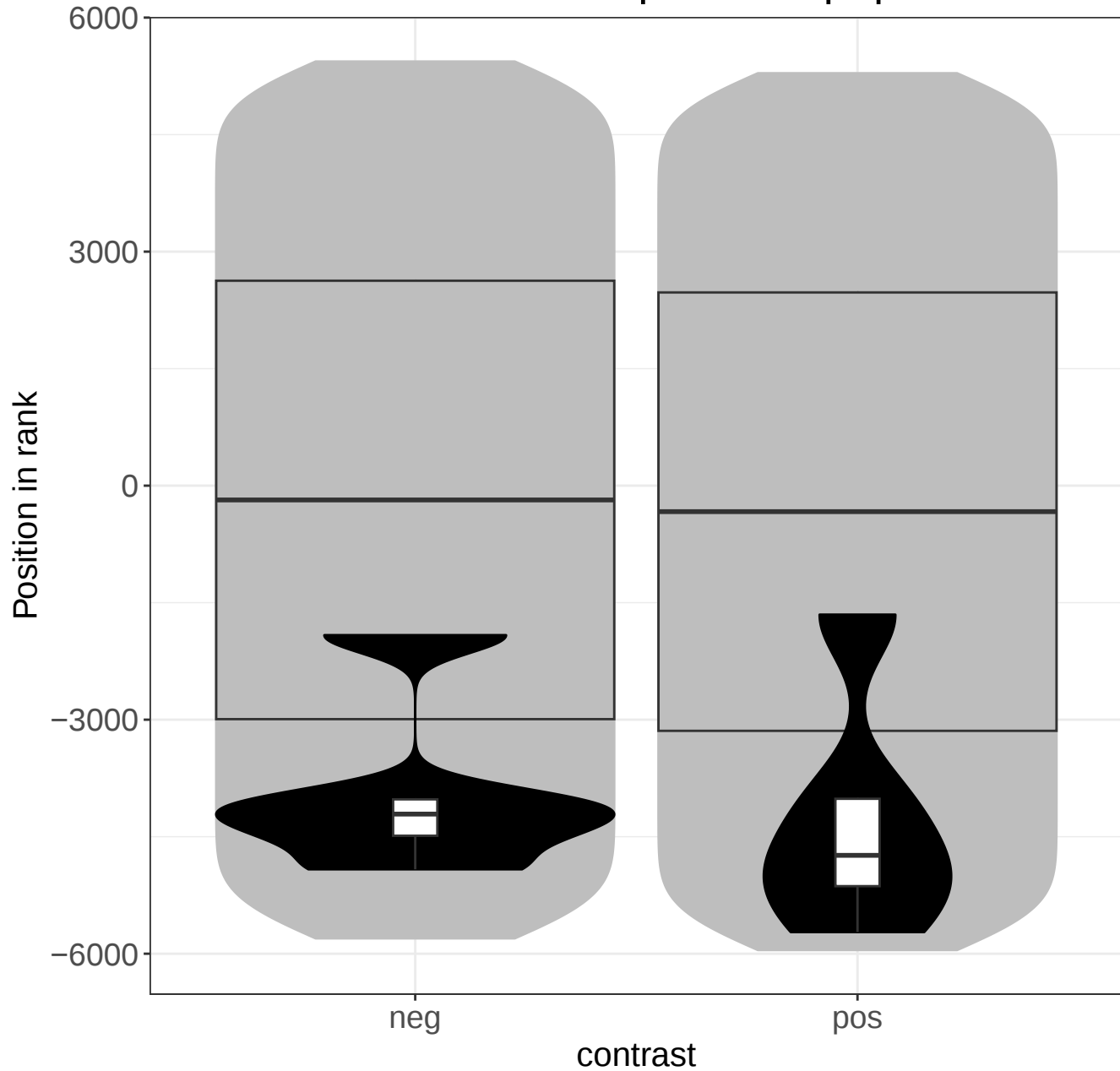
GO:0071375 cellular response to peptide hormone stimuli



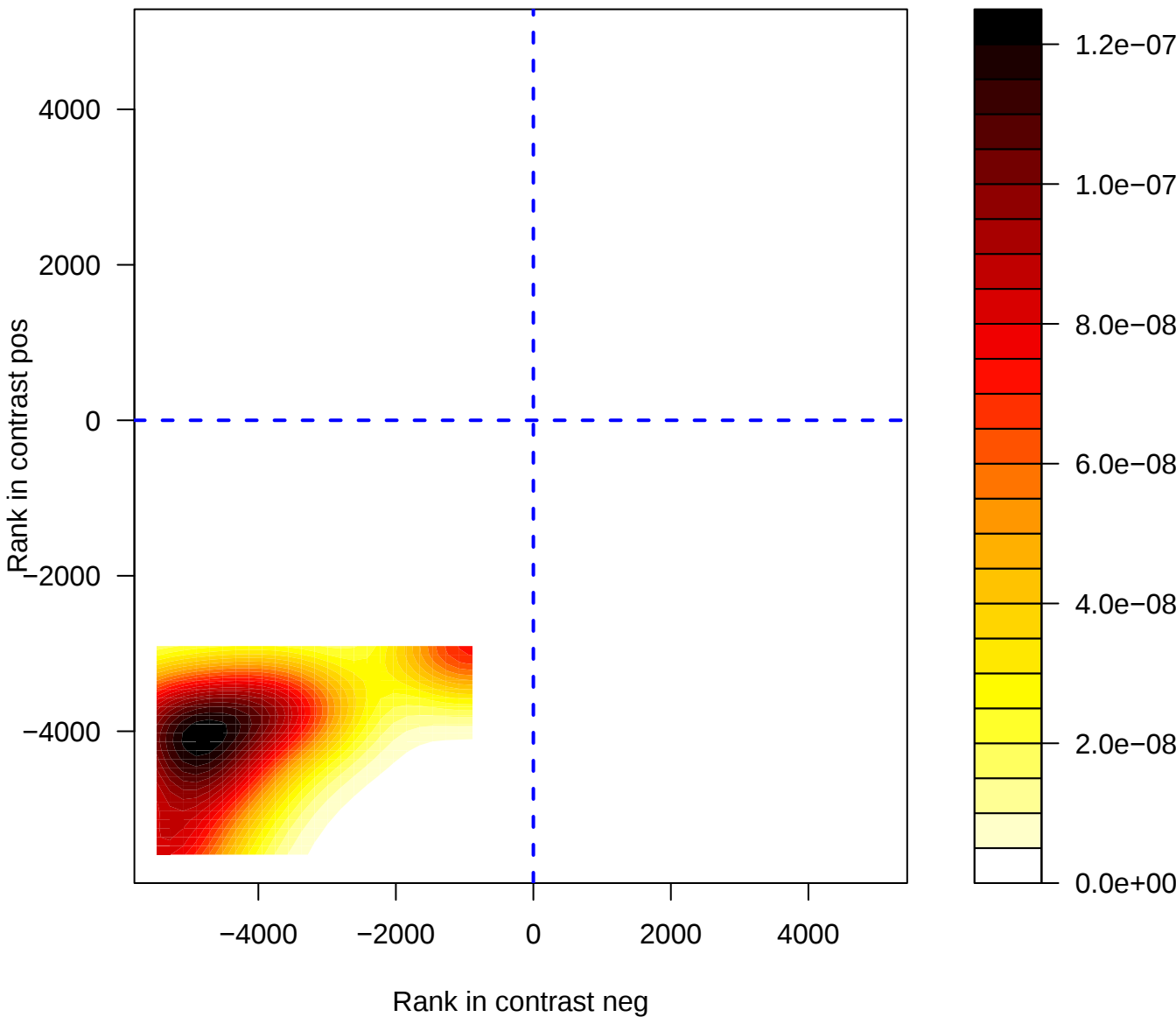
GO:0071375 cellular response to peptide hormone stimulus



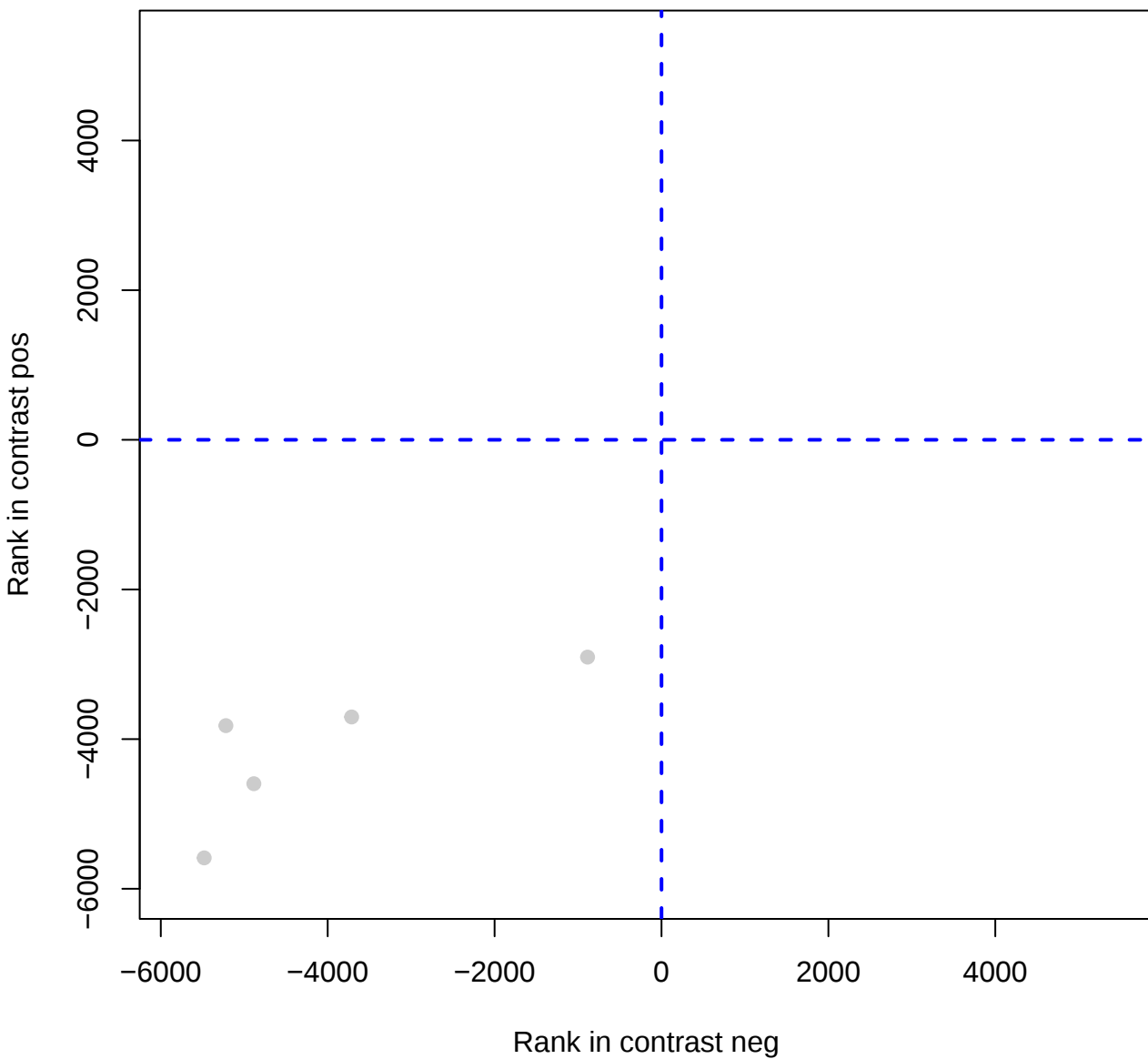
GO:0071375 cellular response to peptide hormone



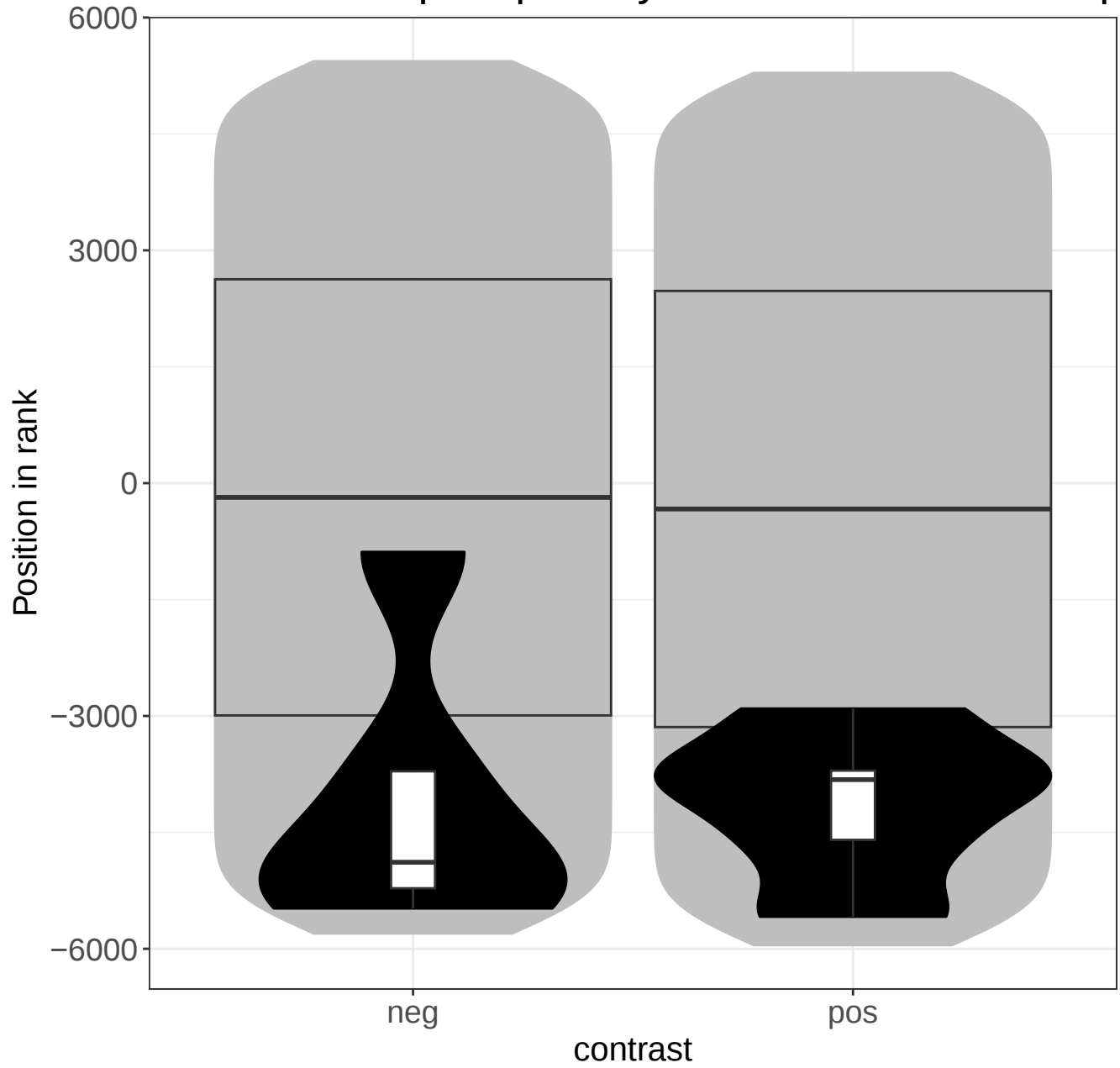
GO:0005942 phosphatidylinositol 3-kinase complex



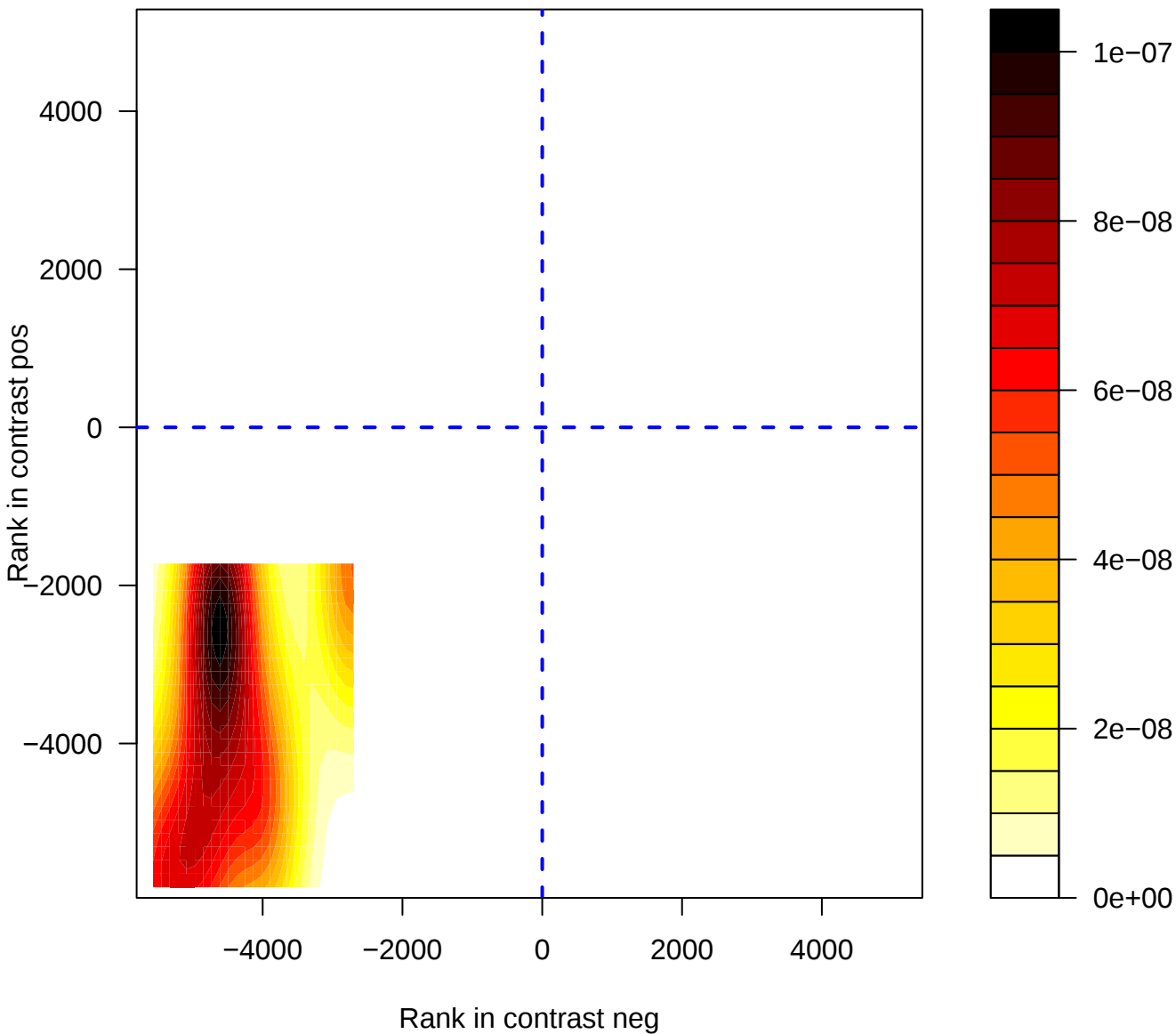
GO:0005942 phosphatidylinositol 3-kinase complex



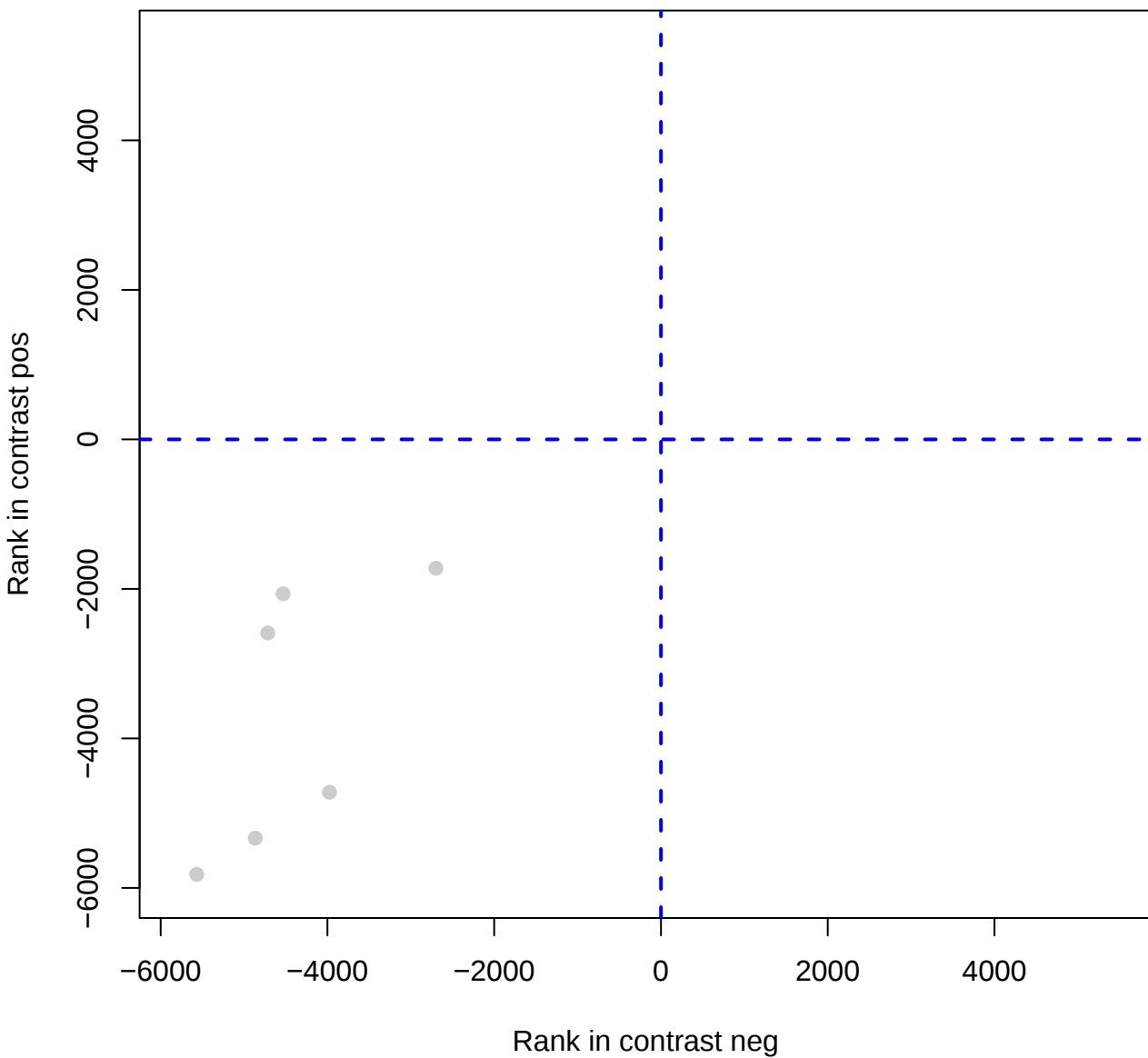
GO:0005942 phosphatidylinositol 3-kinase complex



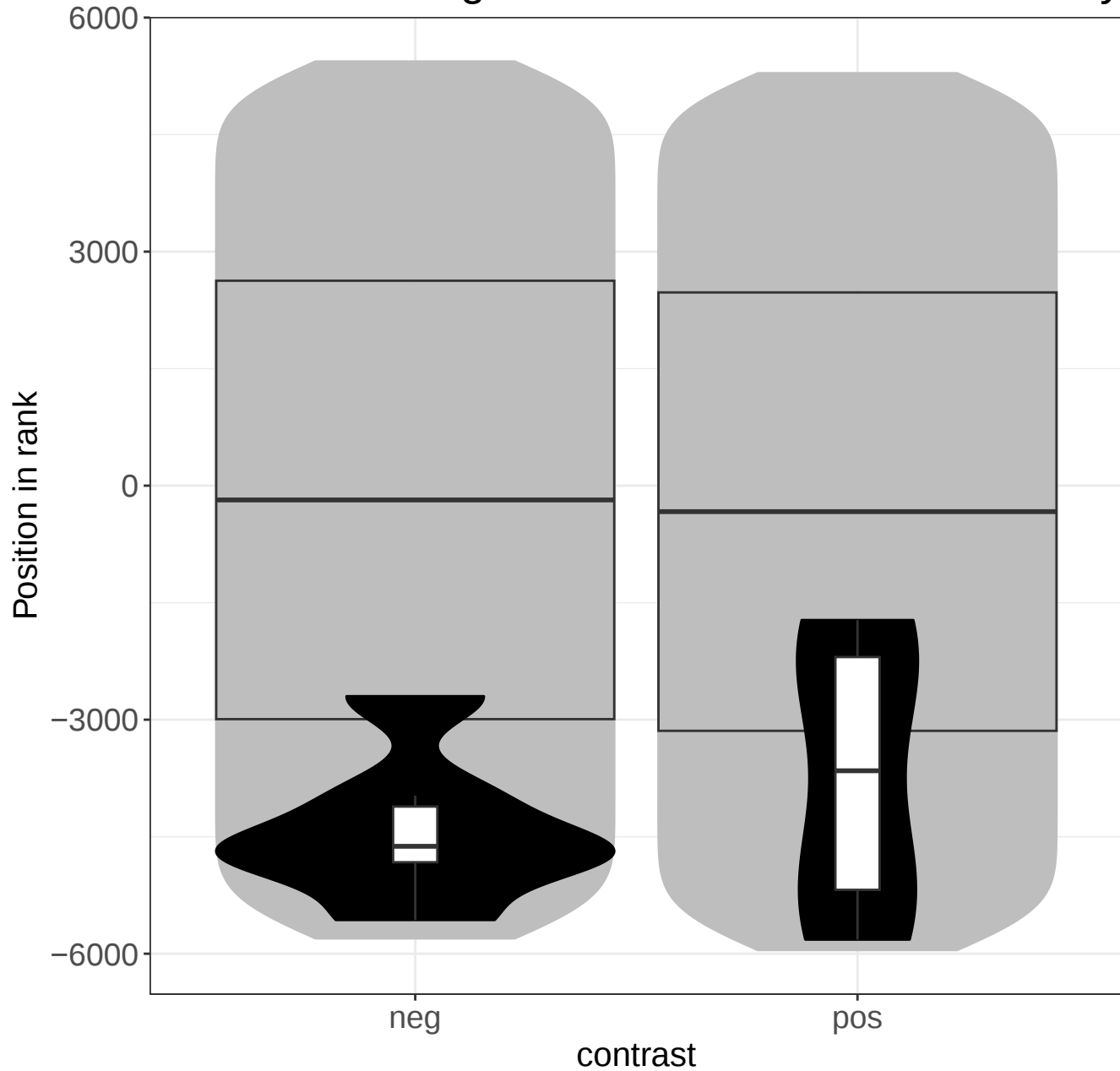
ulation of cell communication by electrical coupling involved



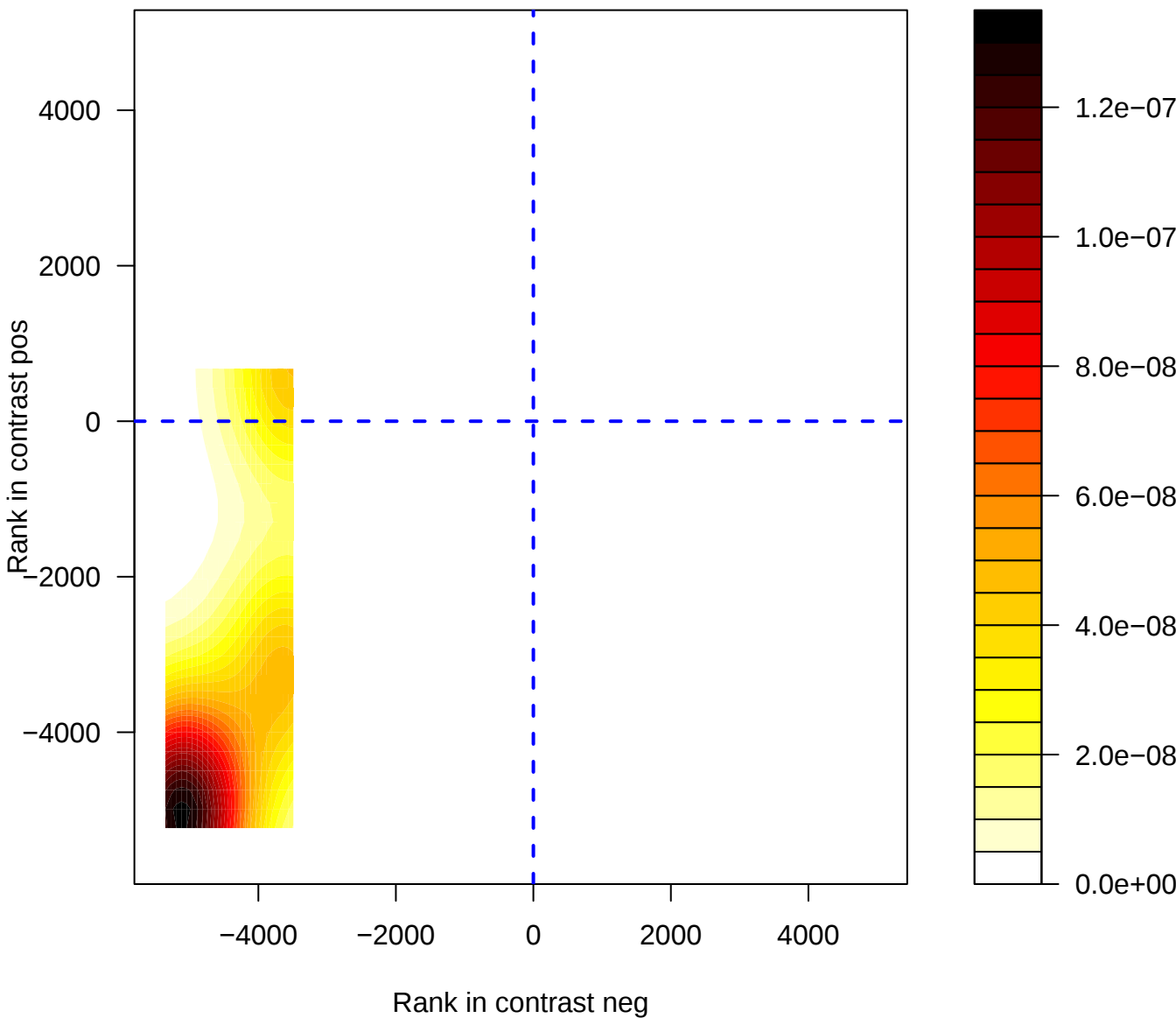
344 regulation of cell communication by electrical coupling involved in cardia



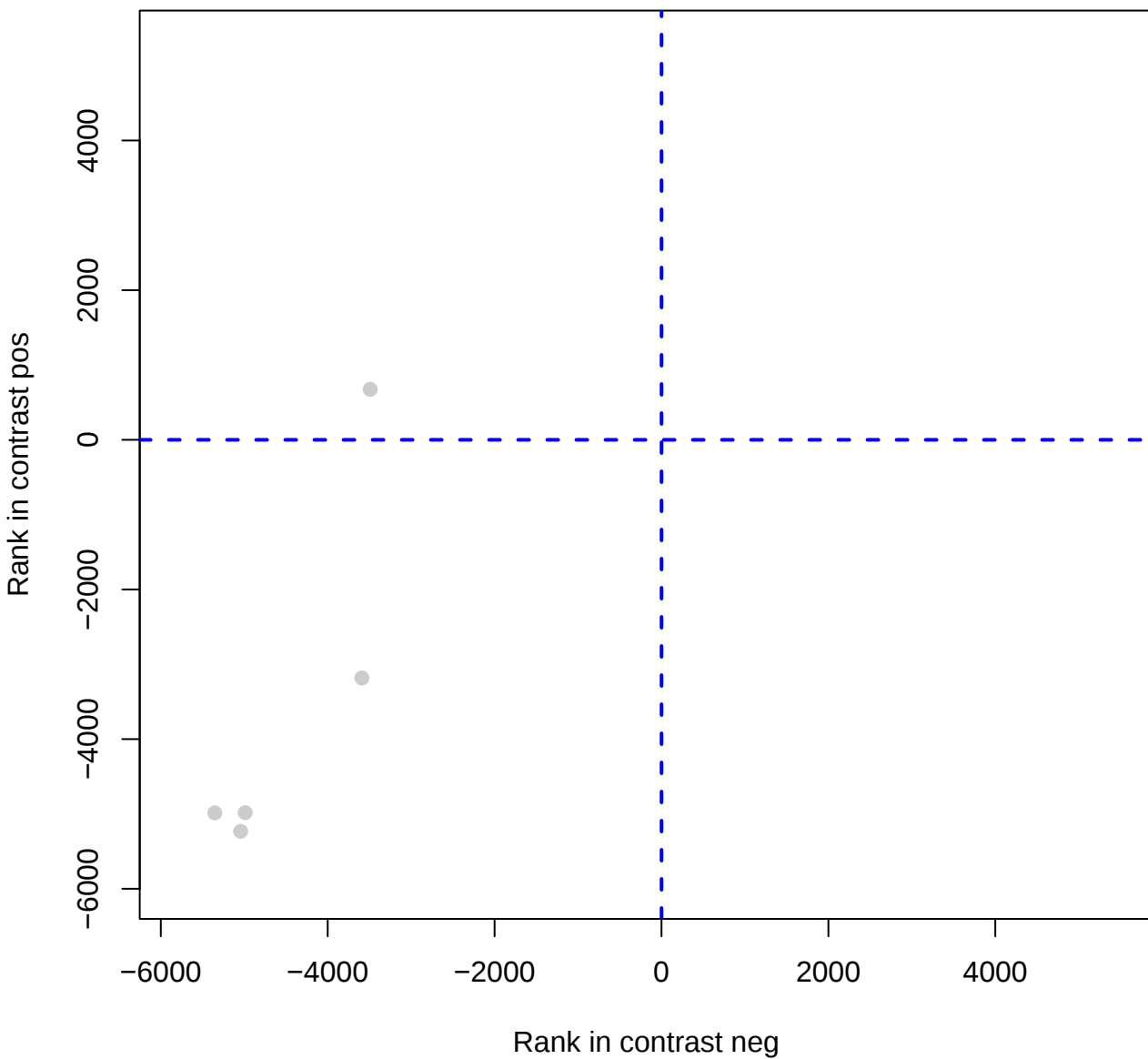
GO:1901844 regulation of cell communication by



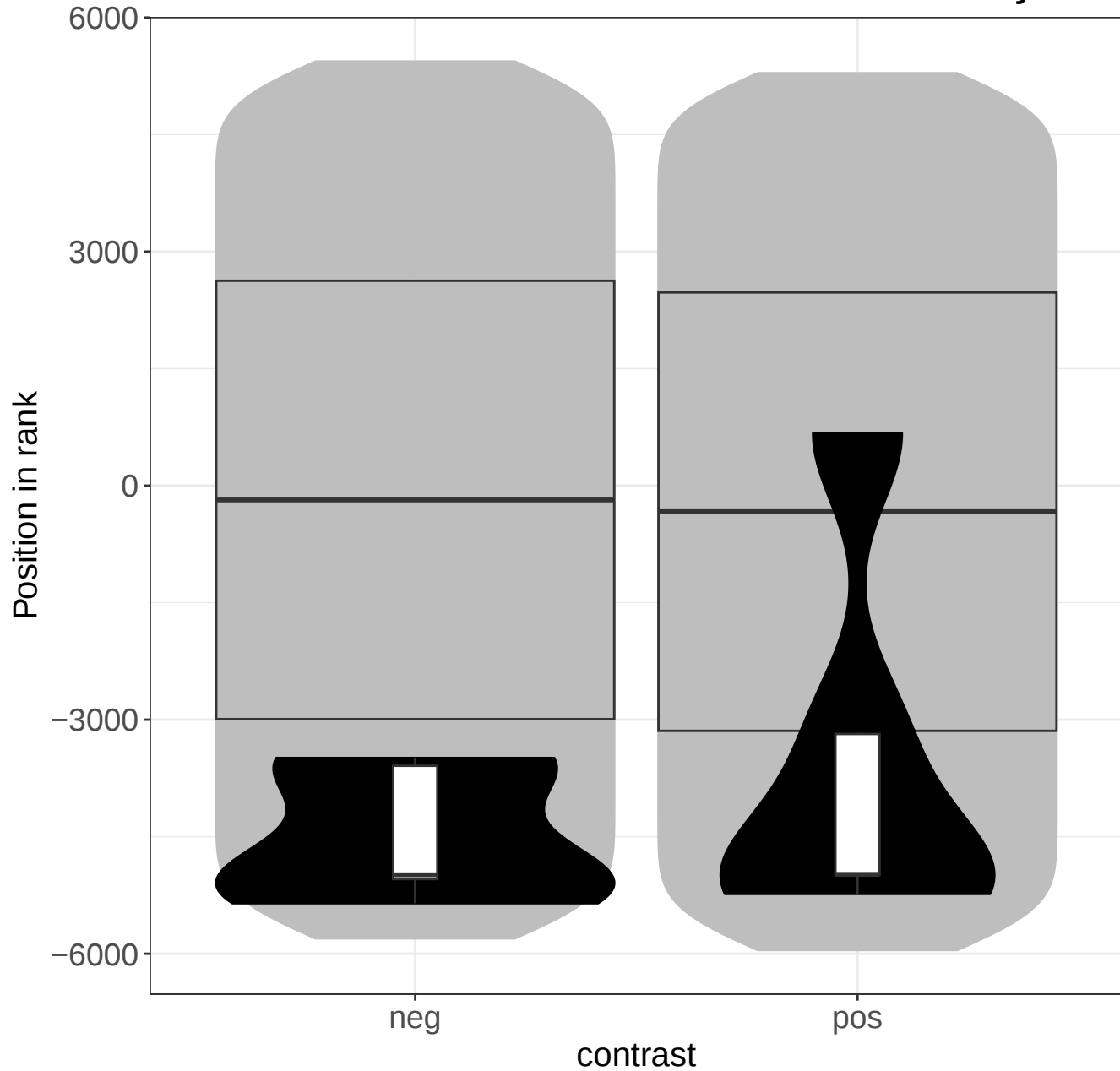
GO:0070937 CRD-mediated mRNA stability complex



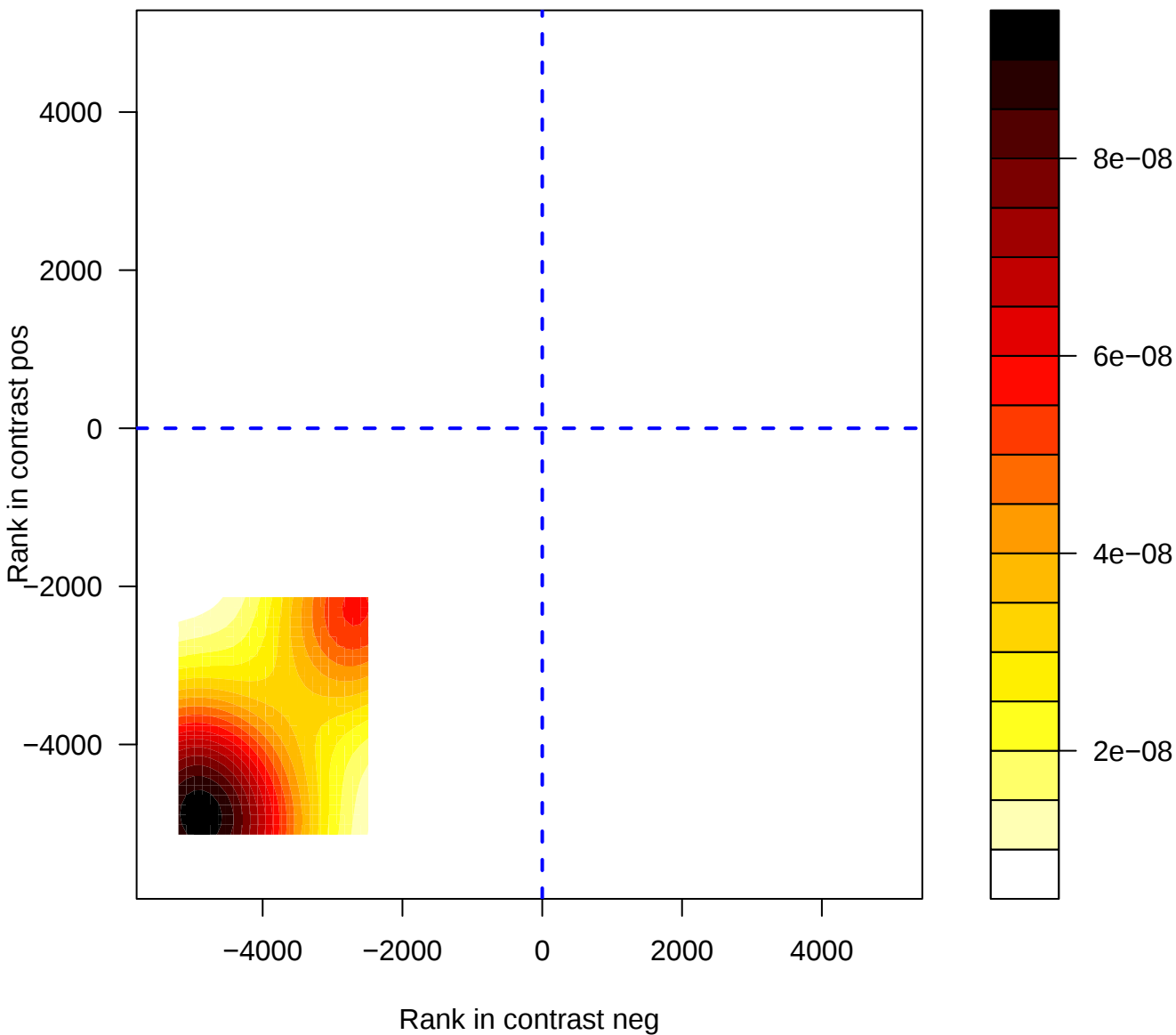
GO:0070937 CRD-mediated mRNA stability complex



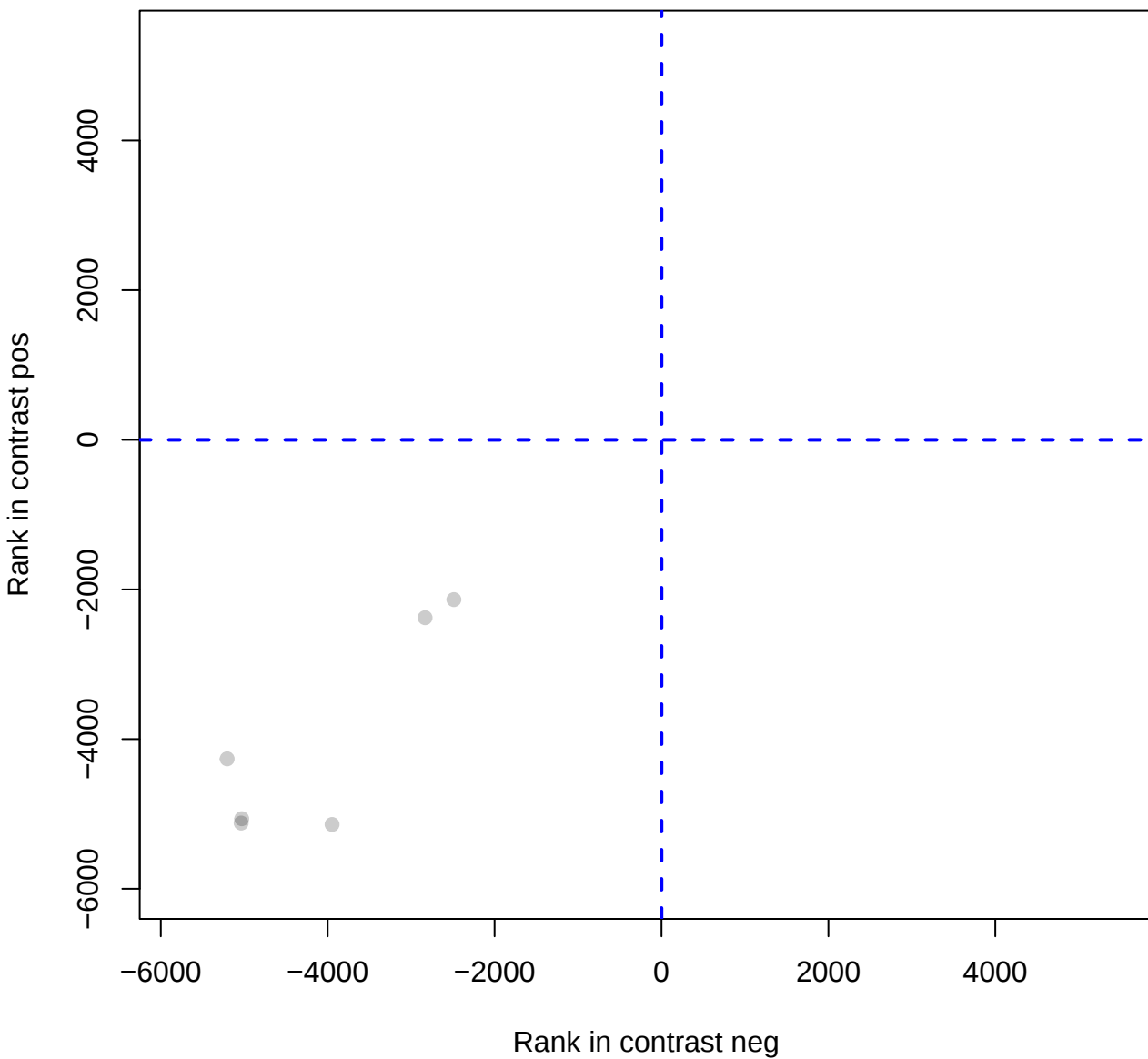
GO:0070937 CRD-mediated mRNA stability com



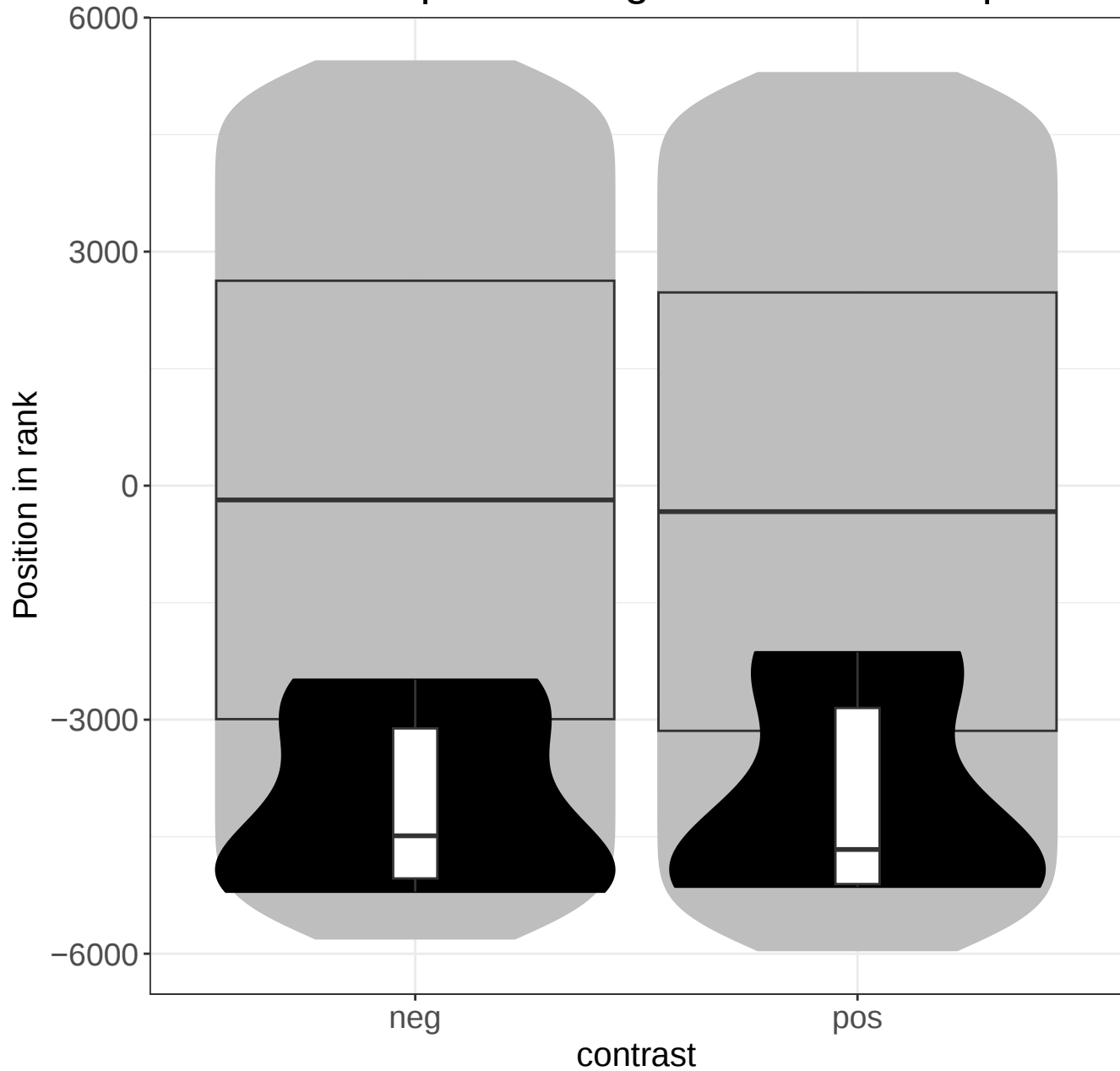
GO:2000179 positive regulation of neural precursor cell prolif



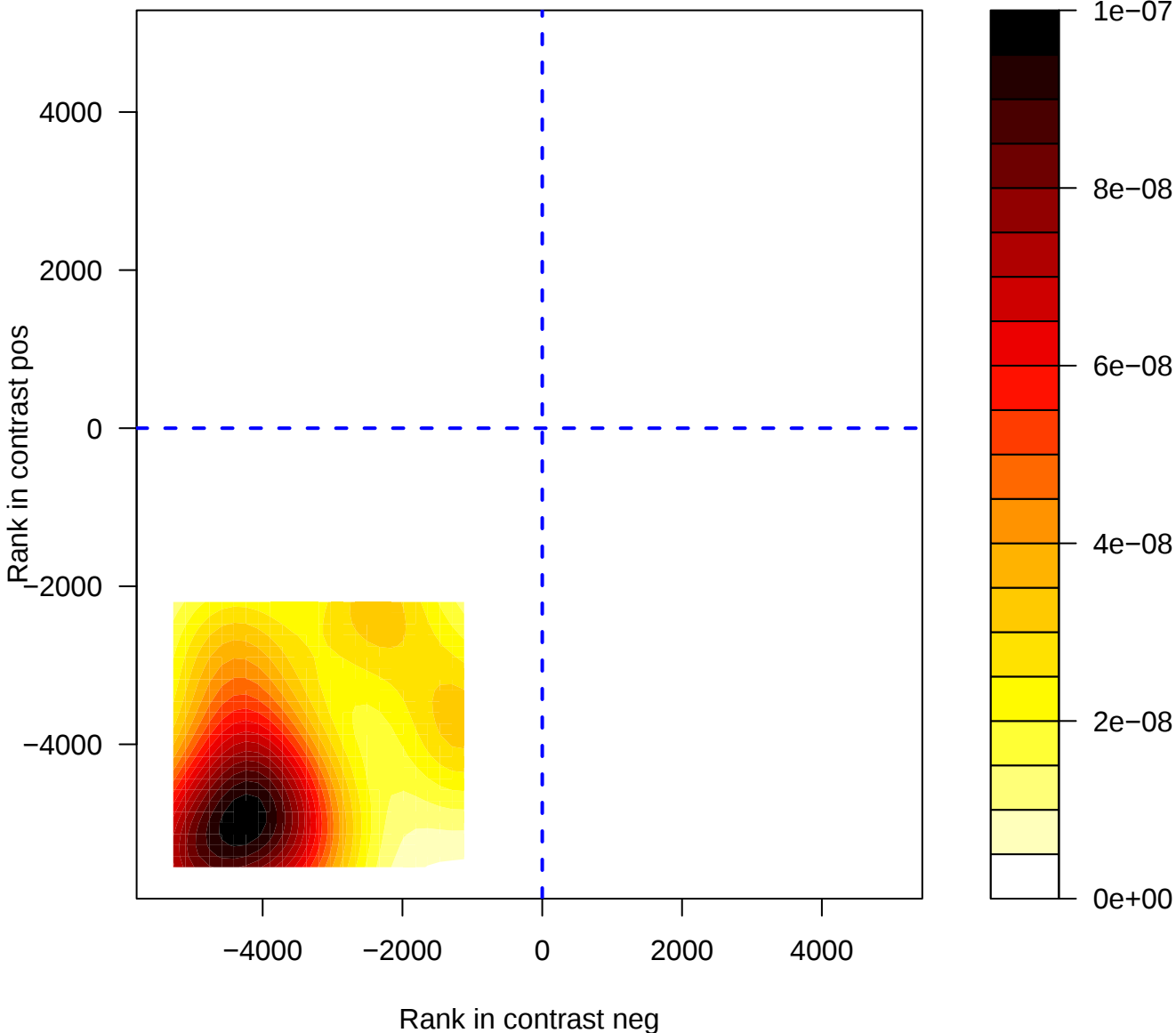
GO:2000179 positive regulation of neural precursor cell proliferation



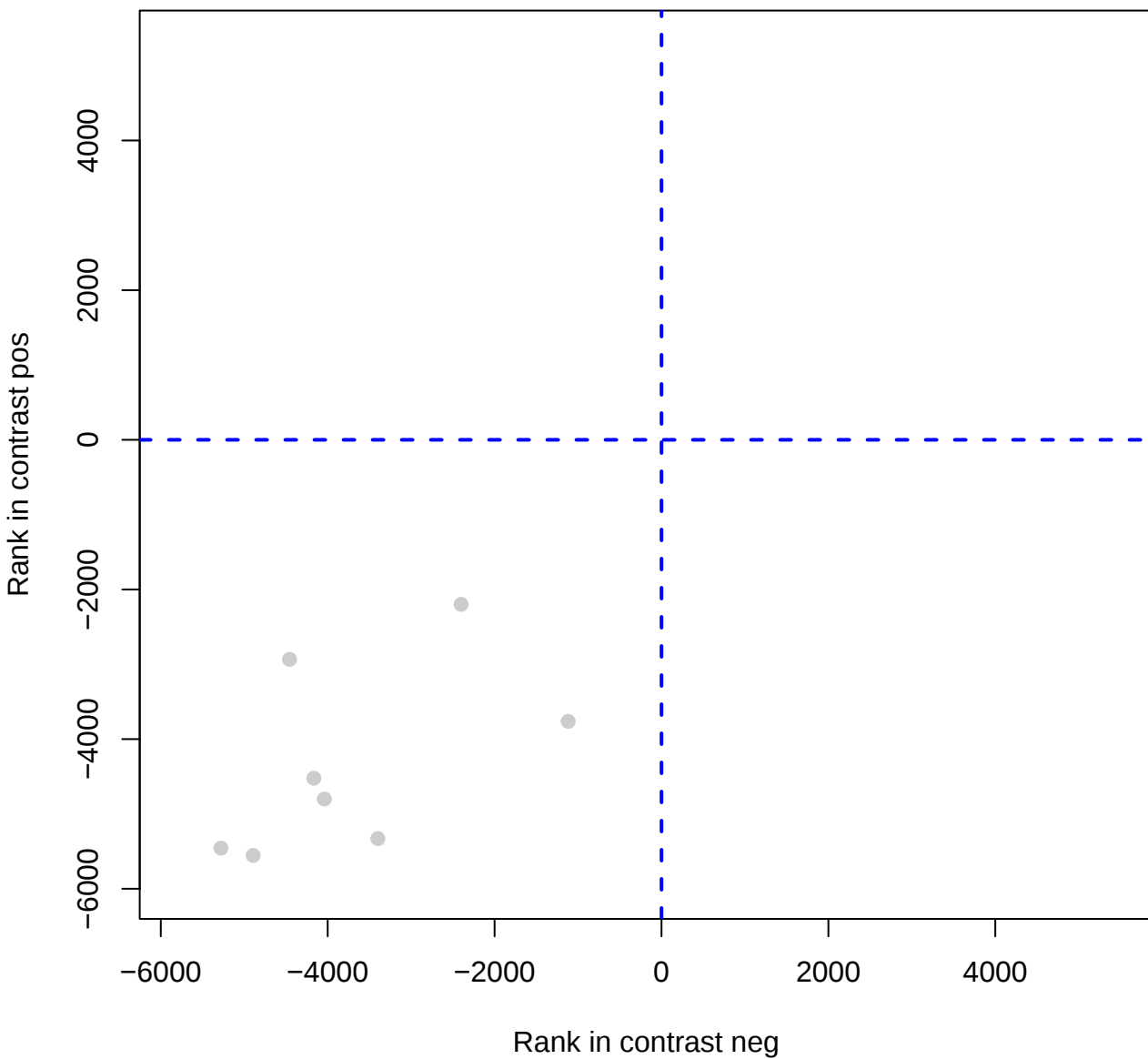
GO:2000179 positive regulation of neural precurs



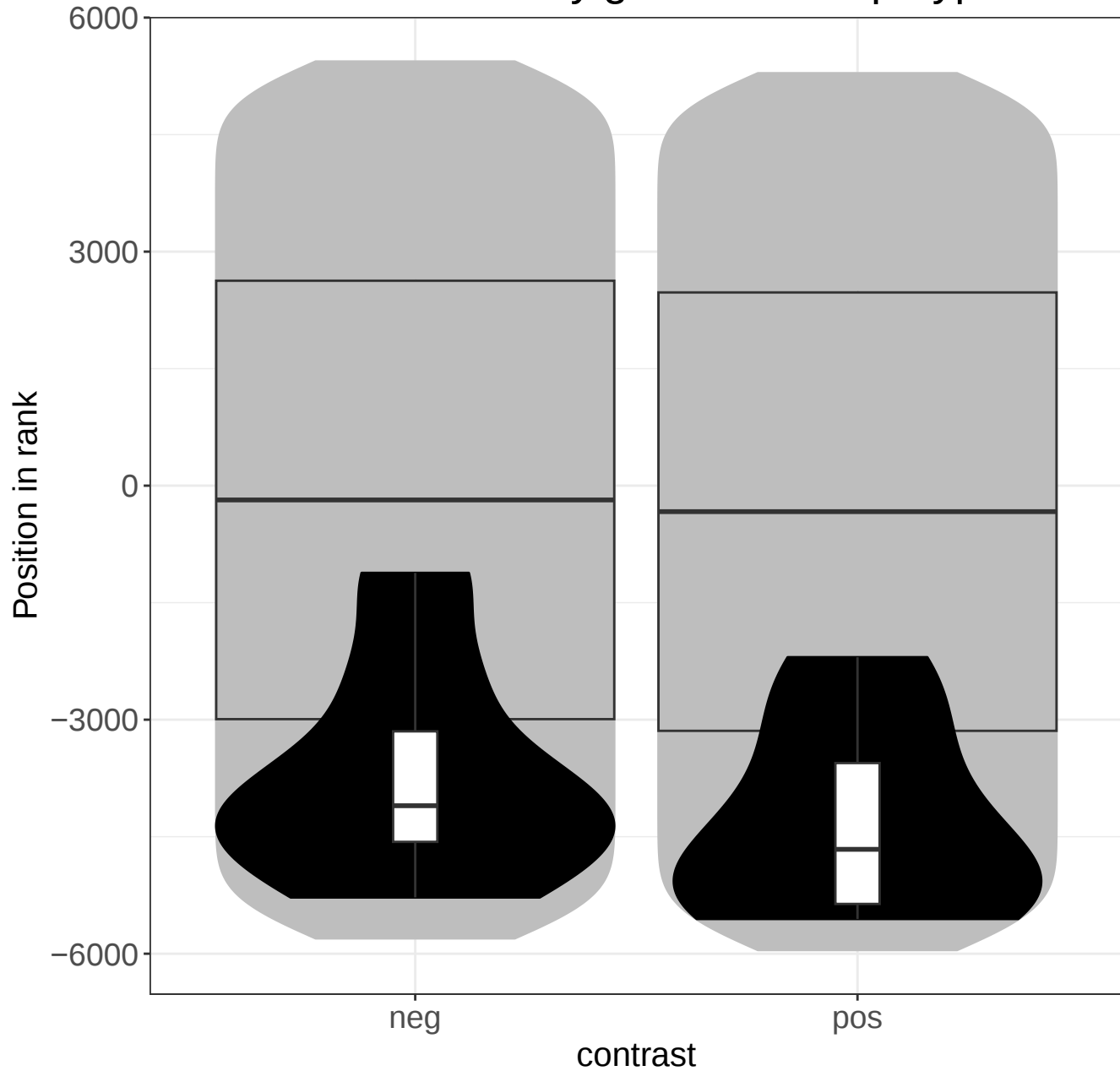
GO:0036261 7-methylguanosine cap hypermethylation



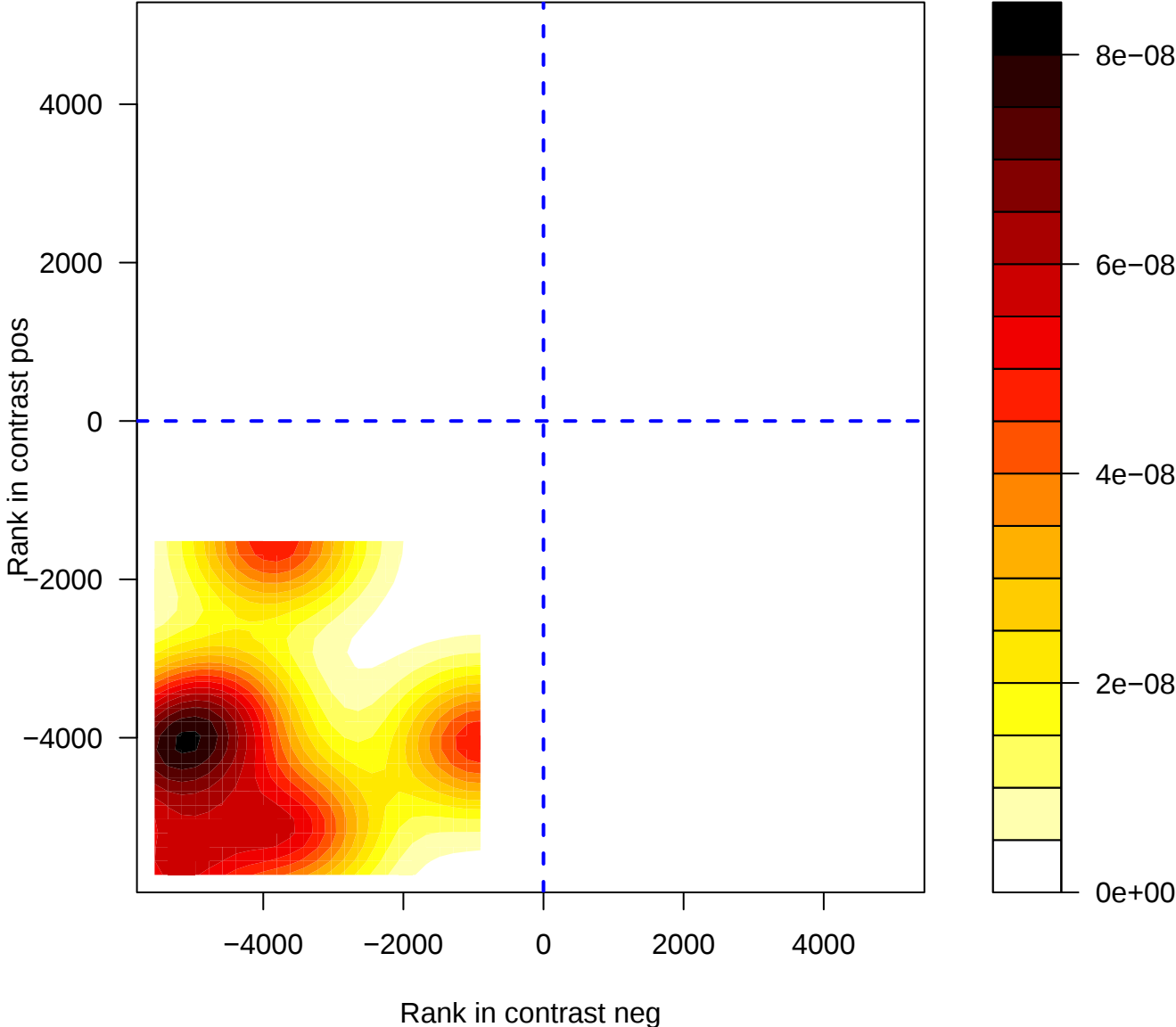
GO:0036261 7-methylguanosine cap hypermethylation



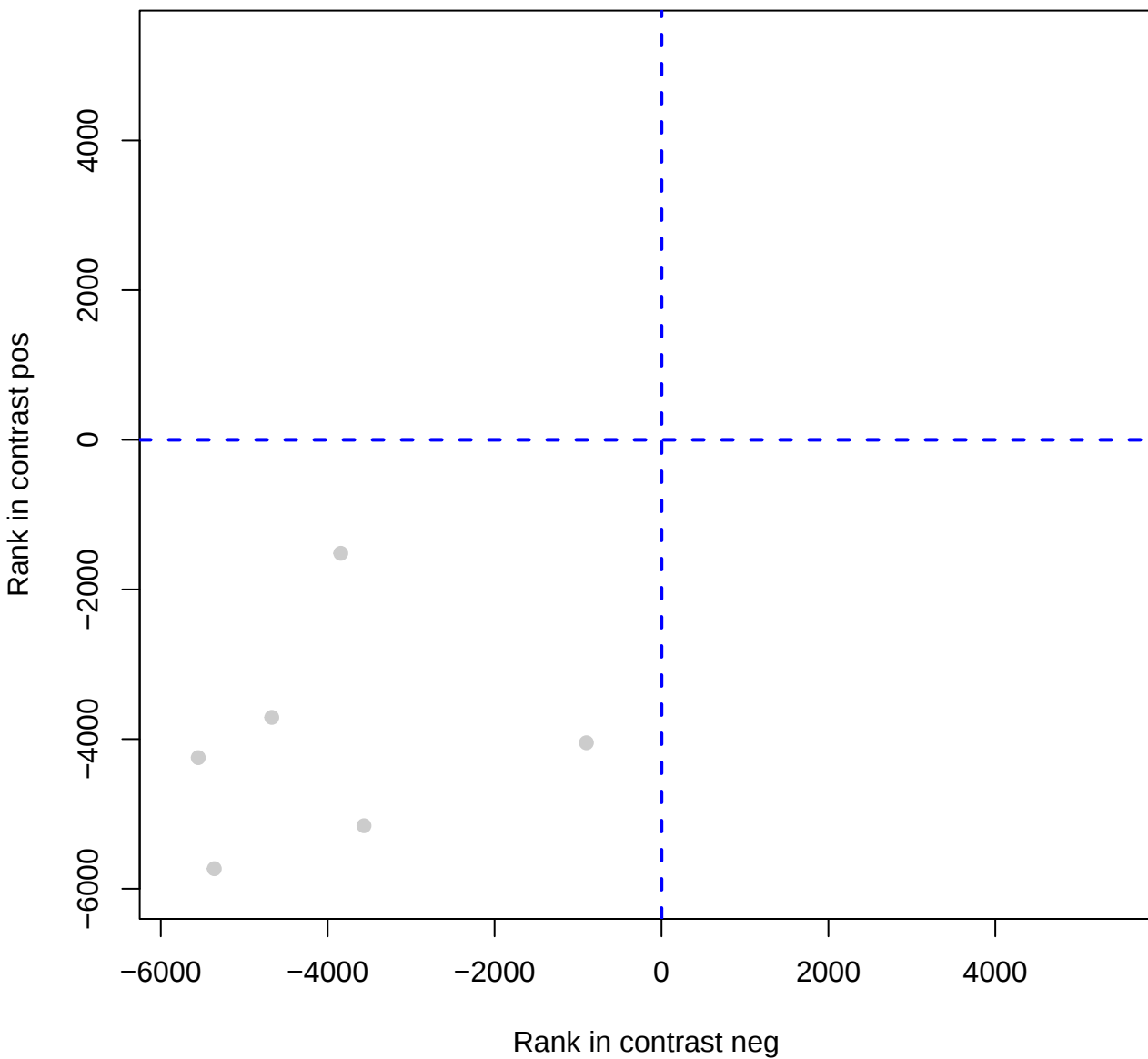
GO:0036261 7-methylguanosine cap hypermethylation



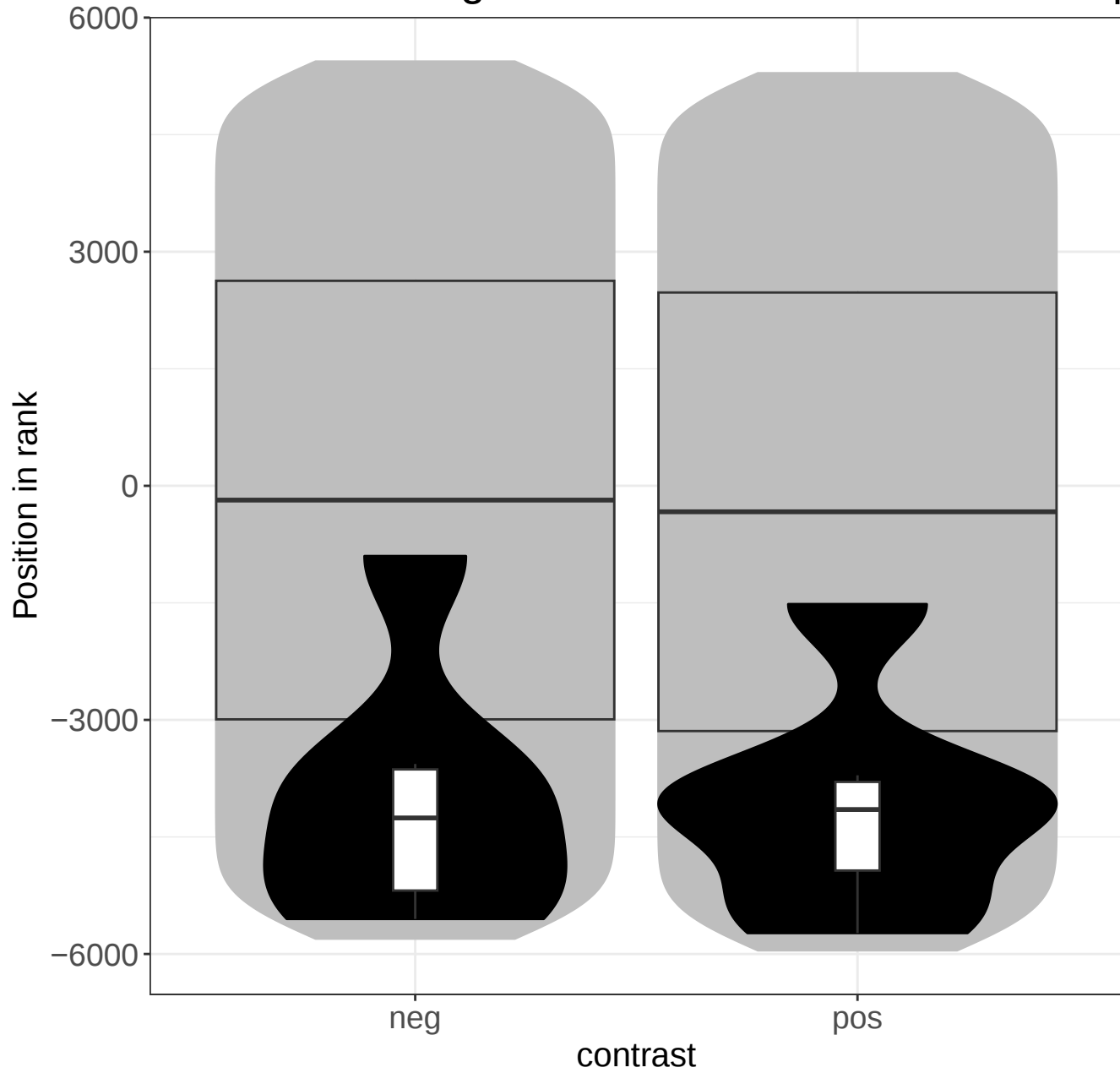
GO:0032680 regulation of tumor necrosis factor producti



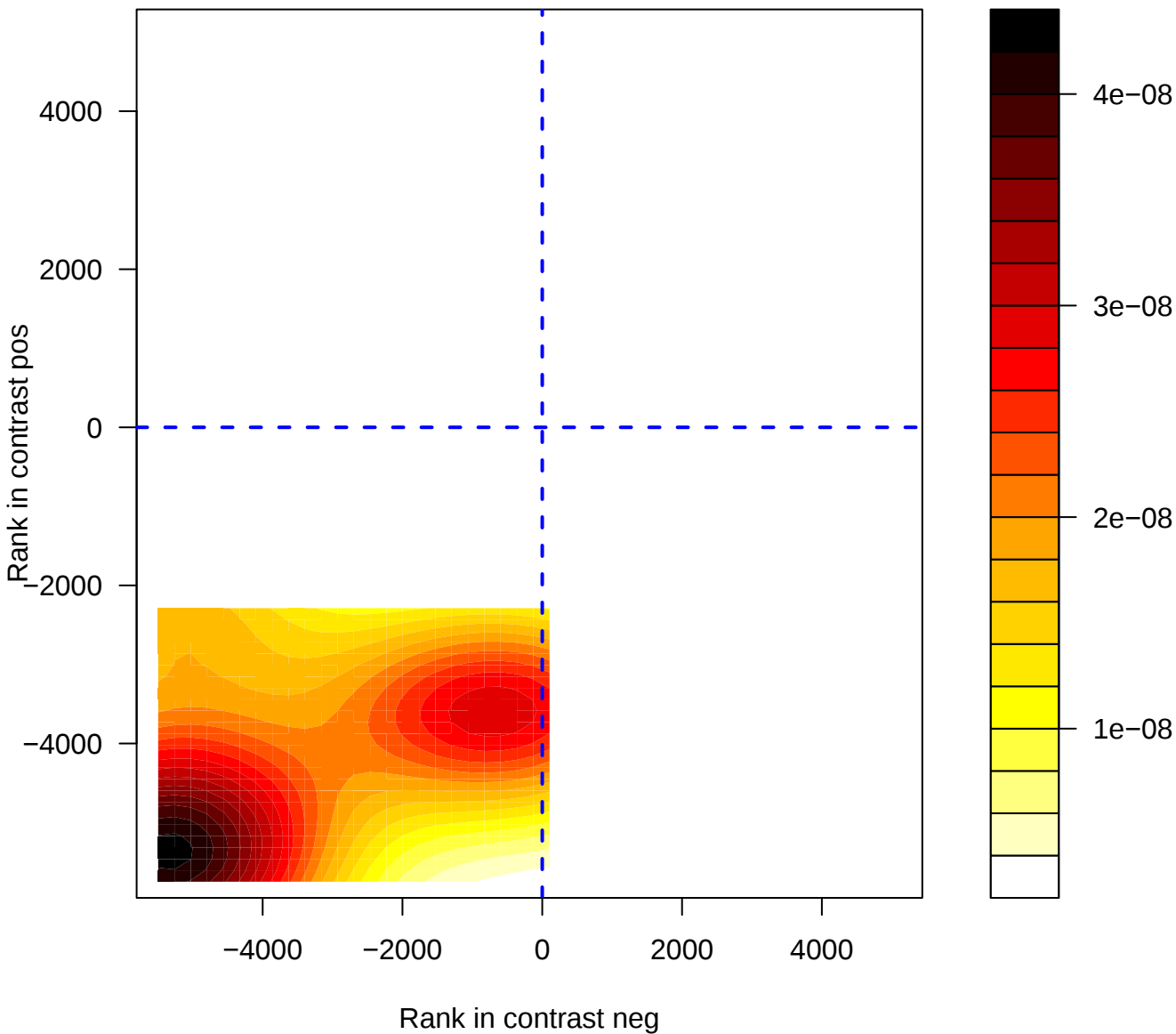
GO:0032680 regulation of tumor necrosis factor production



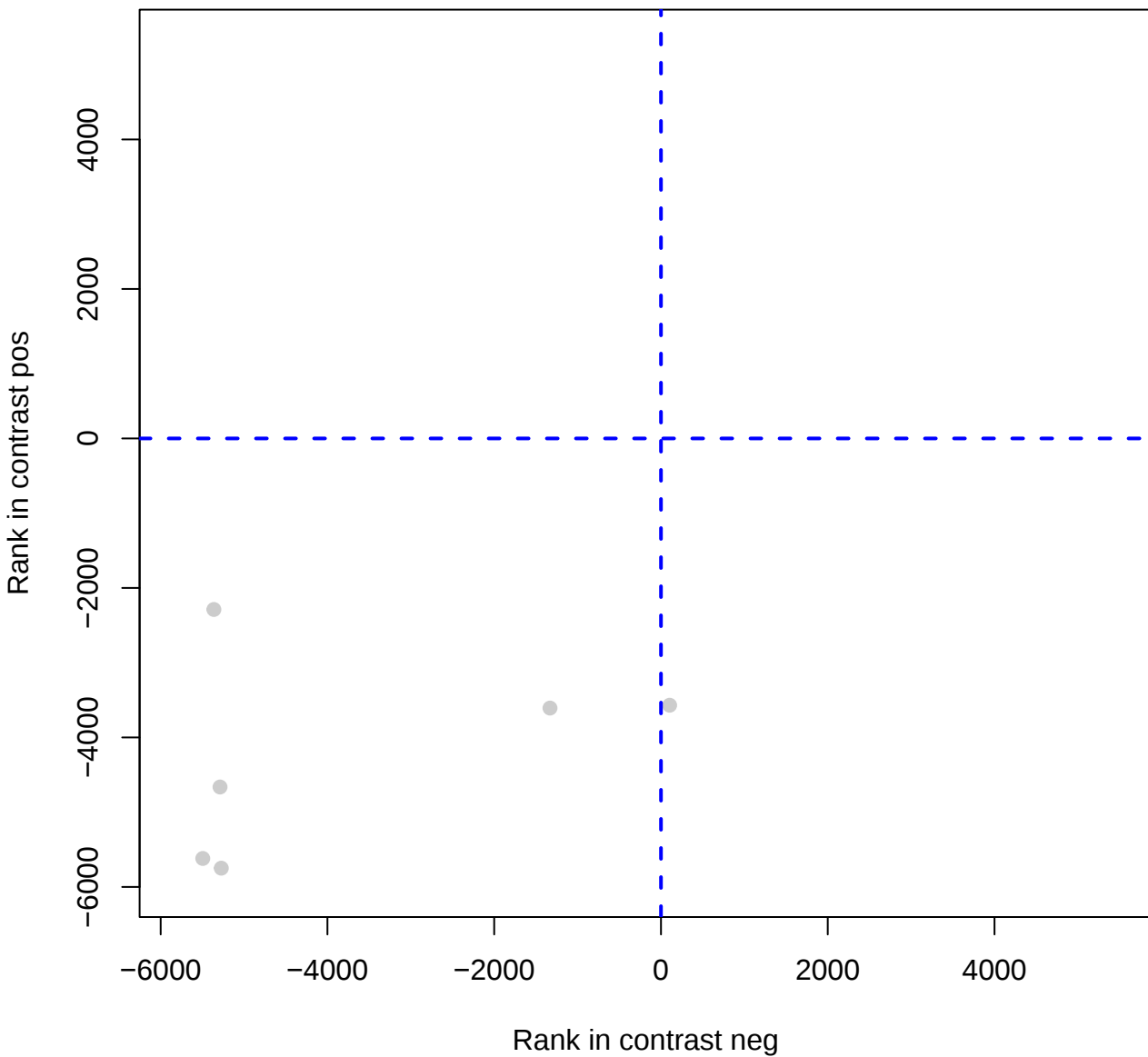
GO:0032680 regulation of tumor necrosis factor p



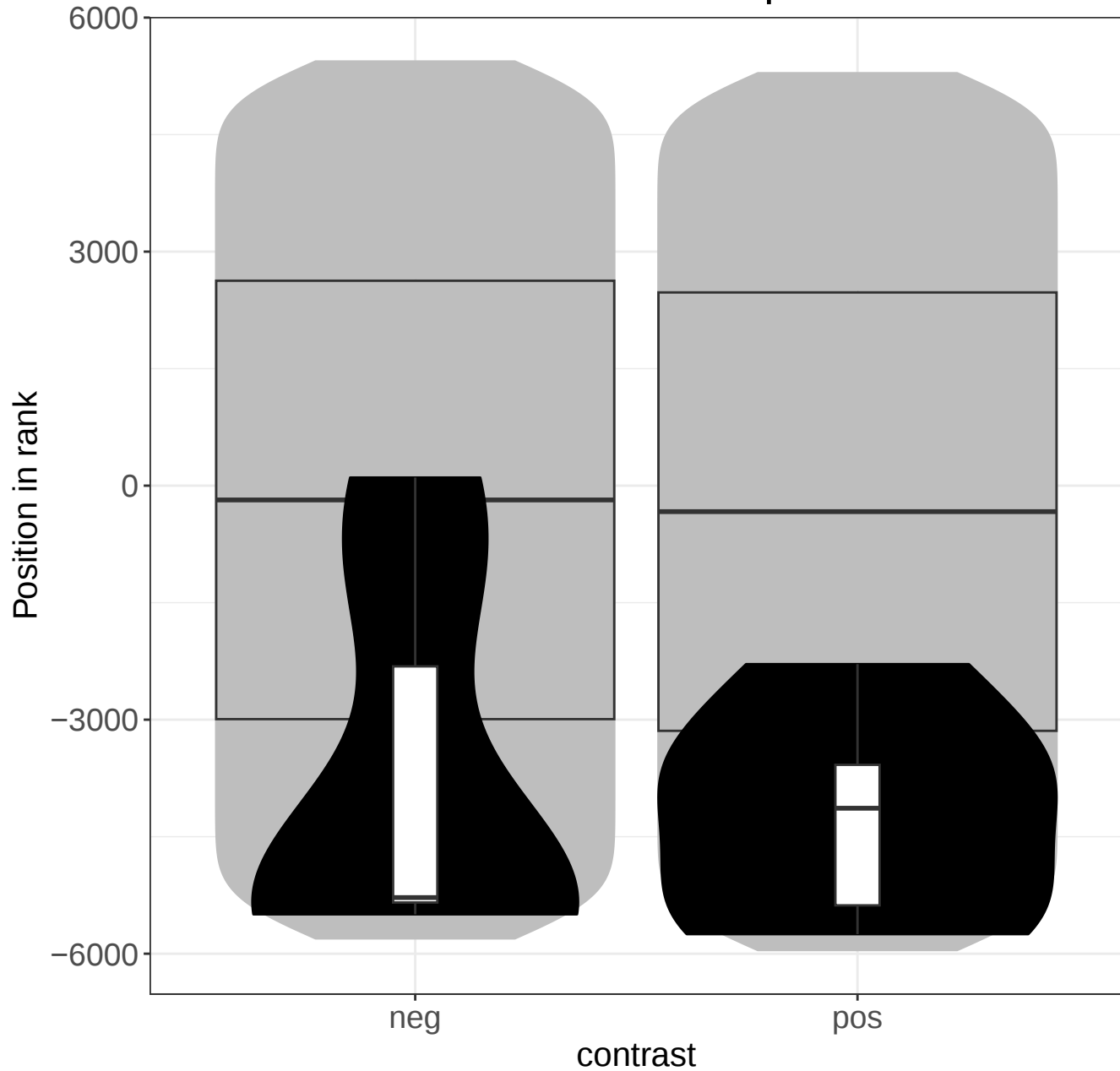
GO:0097250 mitochondrial respirasome assembly



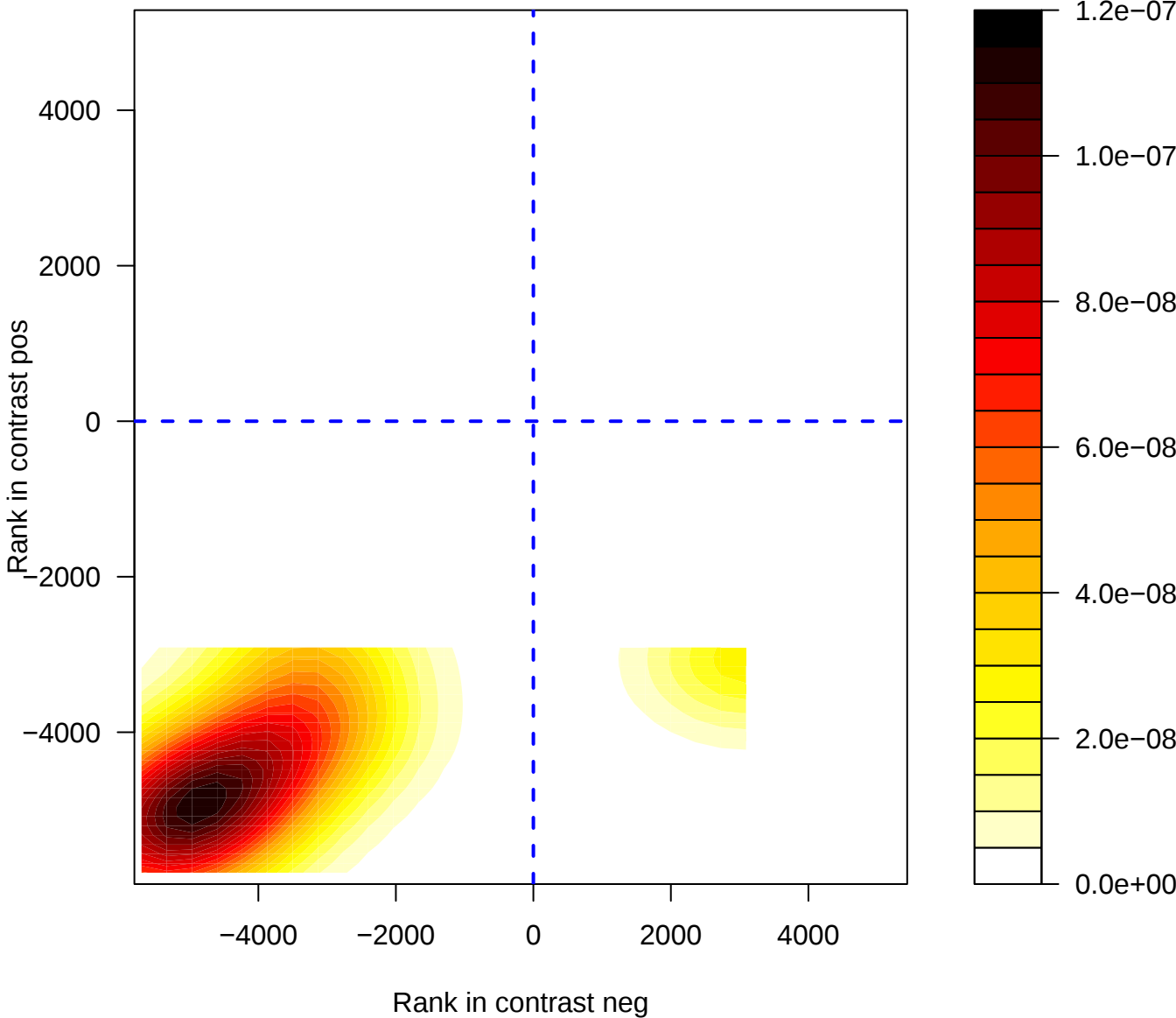
GO:0097250 mitochondrial respirasome assembly



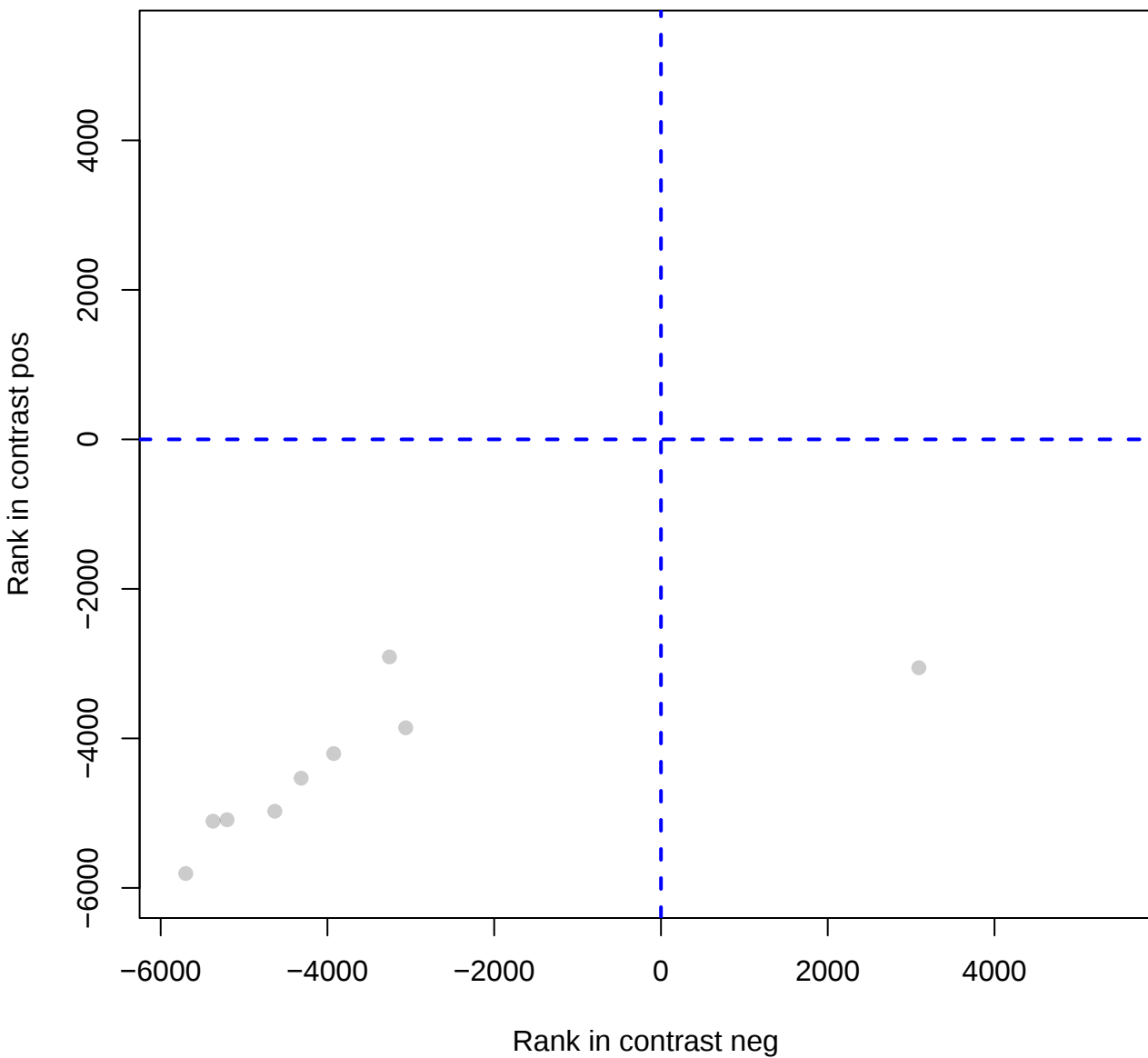
GO:0097250 mitochondrial respirasome assembly



GO:0035455 response to interferon-alpha



GO:0035455 response to interferon-alpha



GO:0035455 response to interferon- α

