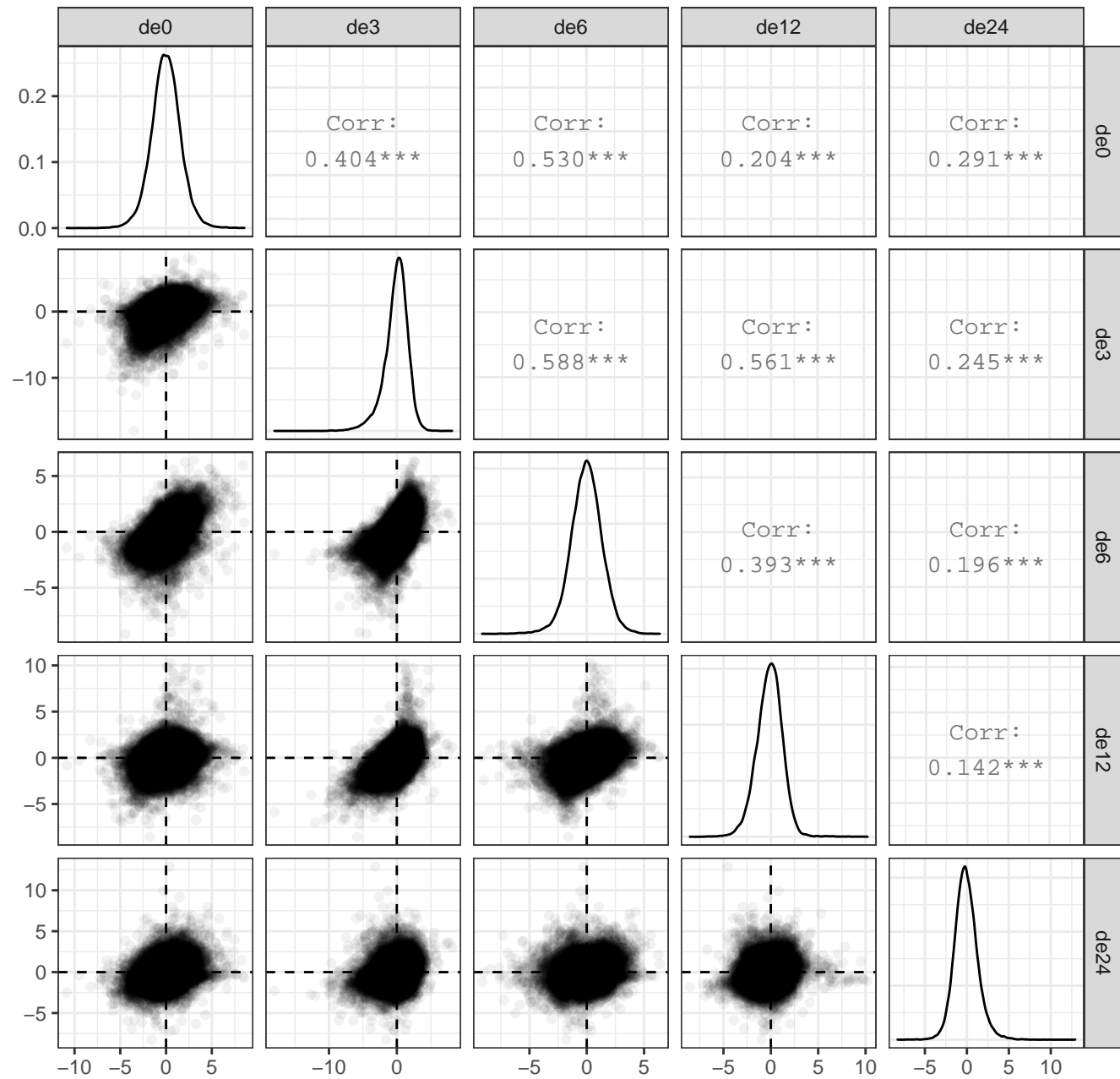
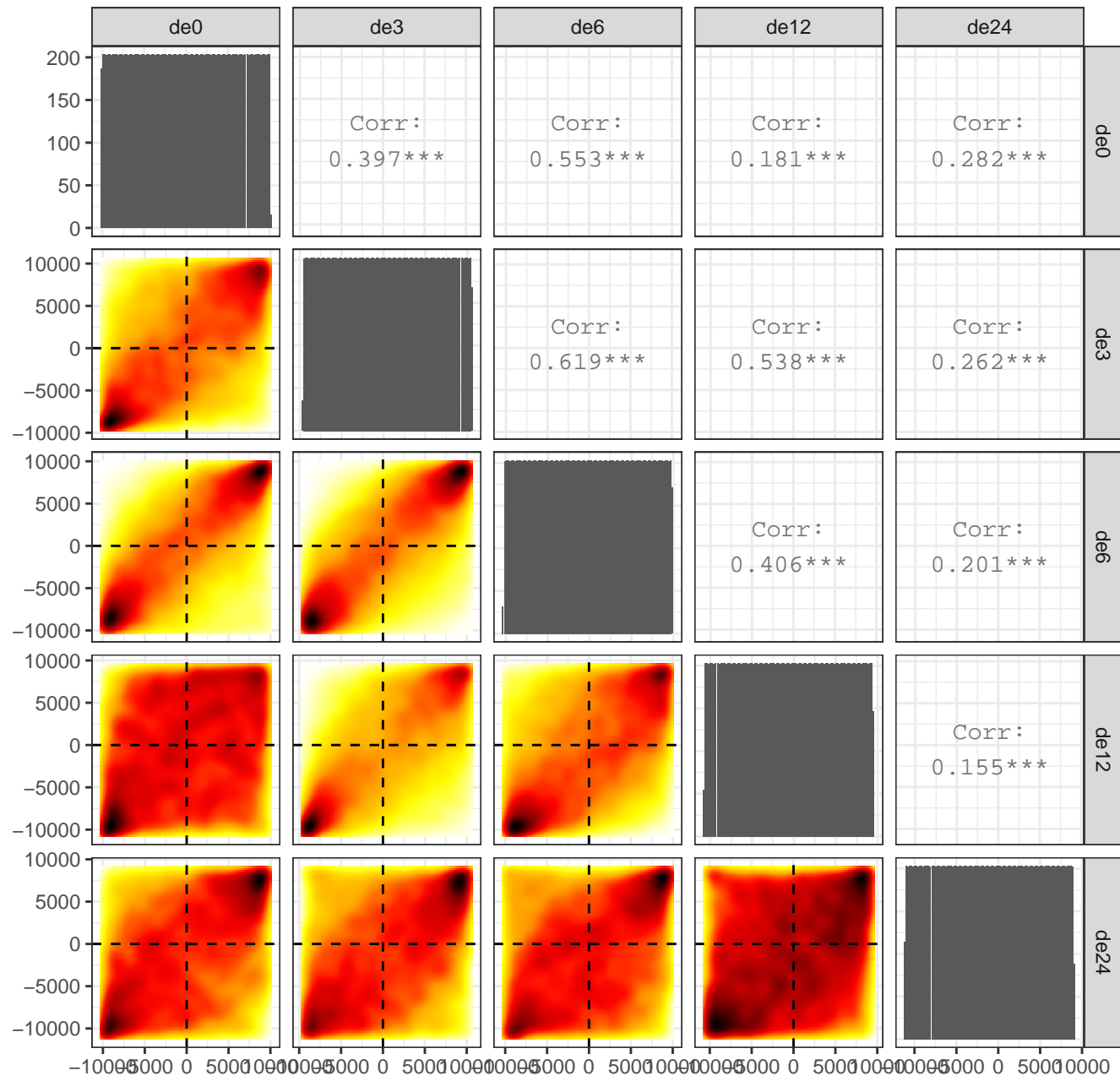


# Scatterplot of all genes

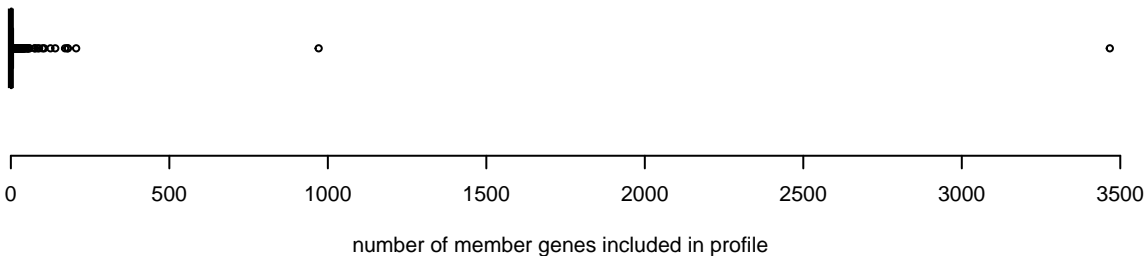


# Contour plot of all genes after ranking

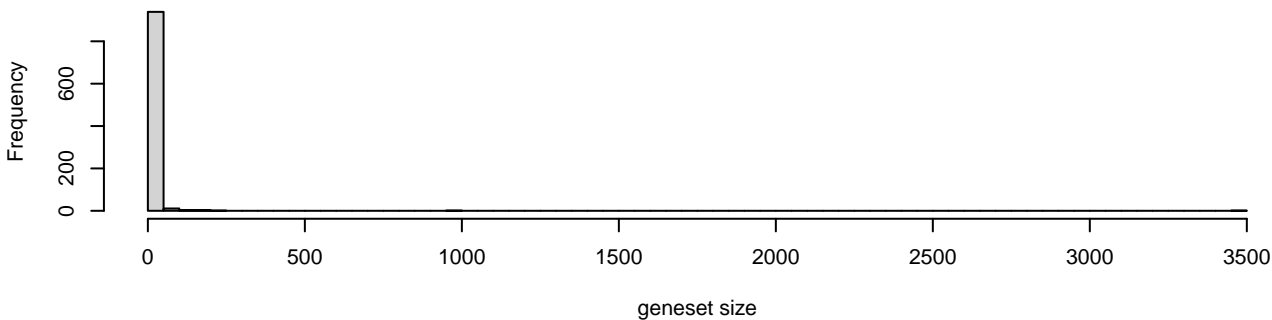


4	1	1	-1	-1	-1	190
5	-1	-1	1	-1	-1	410
6	1	-1	1	-1	-1	552
7	-1	1	1	-1	-1	324
8	1	1	1	-1	-1	865
9	1	1	1	0	-1	1
10	-1	-1	-1	1	-1	963
11	1	-1	-1	1	-1	196
12	-1	0	-1	1	-1	1
13	-1	1	-1	1	-1	668
14	1	1	-1	1	-1	286
15	1	1	0	1	-1	1
16	-1	-1	1	1	-1	265
17	1	-1	1	1	-1	284
18	-1	1	1	1	-1	665
19	0	1	1	1	-1	1
20	1	1	1	1	-1	1457
21	-1	1	1	1	0	1
22	-1	-1	-1	-1	1	1100
23	1	-1	-1	-1	1	822
24	-1	1	-1	-1	1	380
25	1	1	-1	-1	1	275
26	-1	-1	1	-1	1	173
27	1	-1	1	-1	1	377
28	-1	1	1	-1	1	243
29	1	1	1	-1	1	954
30	-1	-1	-1	1	1	354
31	1	-1	-1	1	1	174
32	-1	1	-1	1	1	511
33	1	1	-1	1	1	316

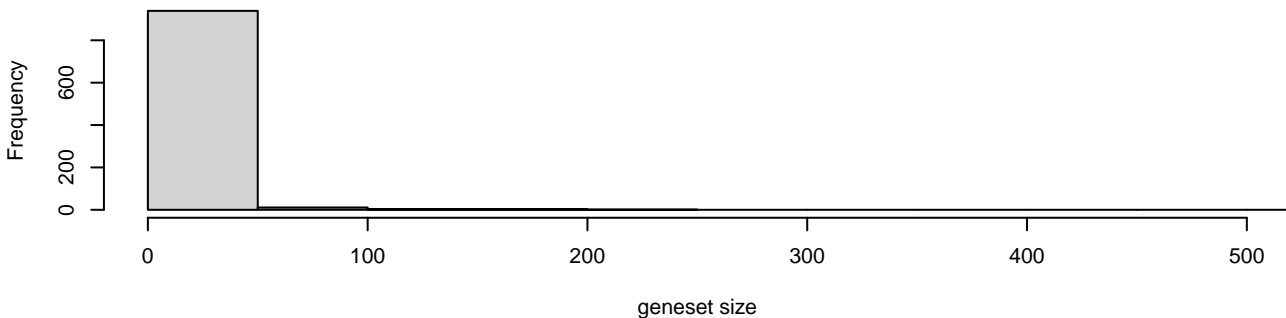
### Gene set size



### Histogram of geneset size

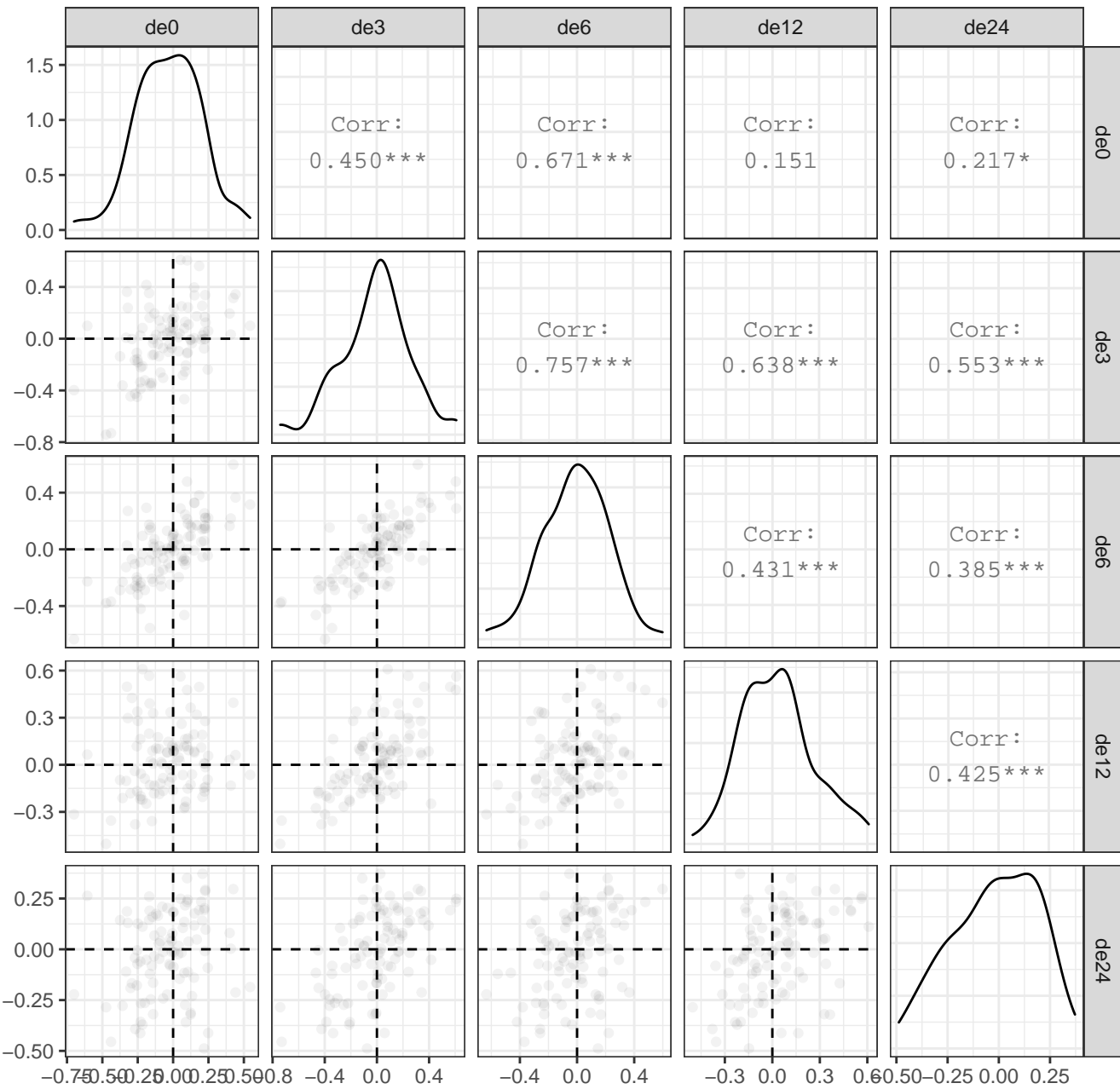


### Trimmed histogram of geneset size

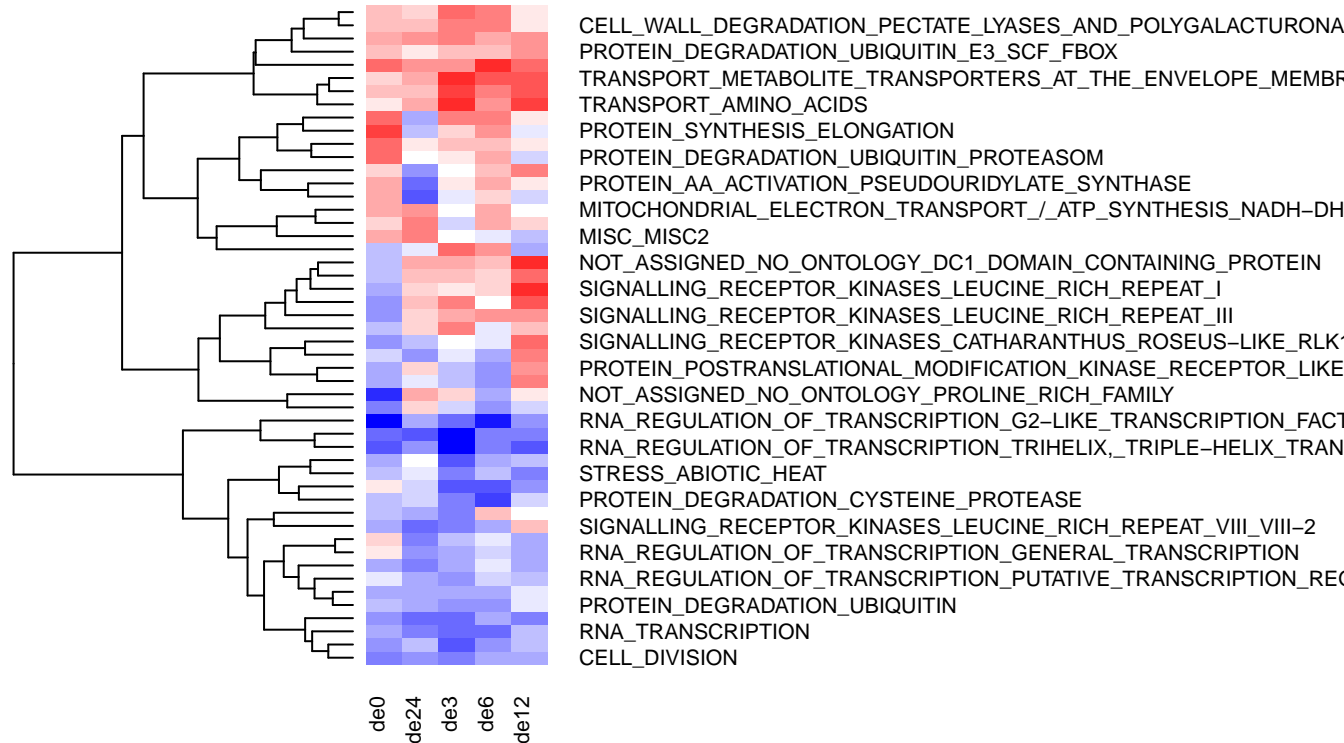
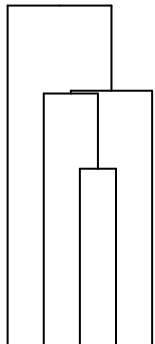
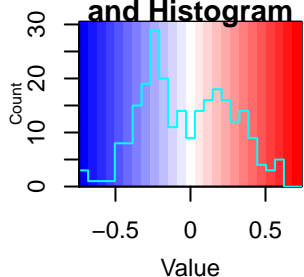


	<b>s.de0</b>	<b>s.de3</b>	<b>s.de6</b>	<b>s.de12</b>	<b>s.de24</b>	<b>Number of gene sets in each sector</b>
<b>1</b>	-1	-1	-1	-1	-1	10
<b>2</b>	1	-1	-1	-1	-1	2
<b>3</b>	-1	1	-1	-1	-1	2
<b>4</b>	1	-1	1	-1	-1	2
<b>5</b>	-1	1	1	-1	-1	1
<b>6</b>	1	1	1	-1	-1	1
<b>7</b>	-1	-1	-1	1	-1	2
<b>8</b>	1	1	-1	1	-1	1
<b>9</b>	-1	-1	1	1	-1	1
<b>10</b>	1	-1	1	1	-1	1
<b>11</b>	1	1	1	1	-1	2
<b>12</b>	1	1	-1	-1	1	1
<b>13</b>	-1	-1	1	-1	1	1
<b>14</b>	-1	1	1	-1	1	1
<b>15</b>	-1	-1	-1	1	1	2
<b>16</b>	-1	1	-1	1	1	2
<b>17</b>	1	-1	1	1	1	1
<b>18</b>	-1	1	1	1	1	5
<b>19</b>	1	1	1	1	1	8

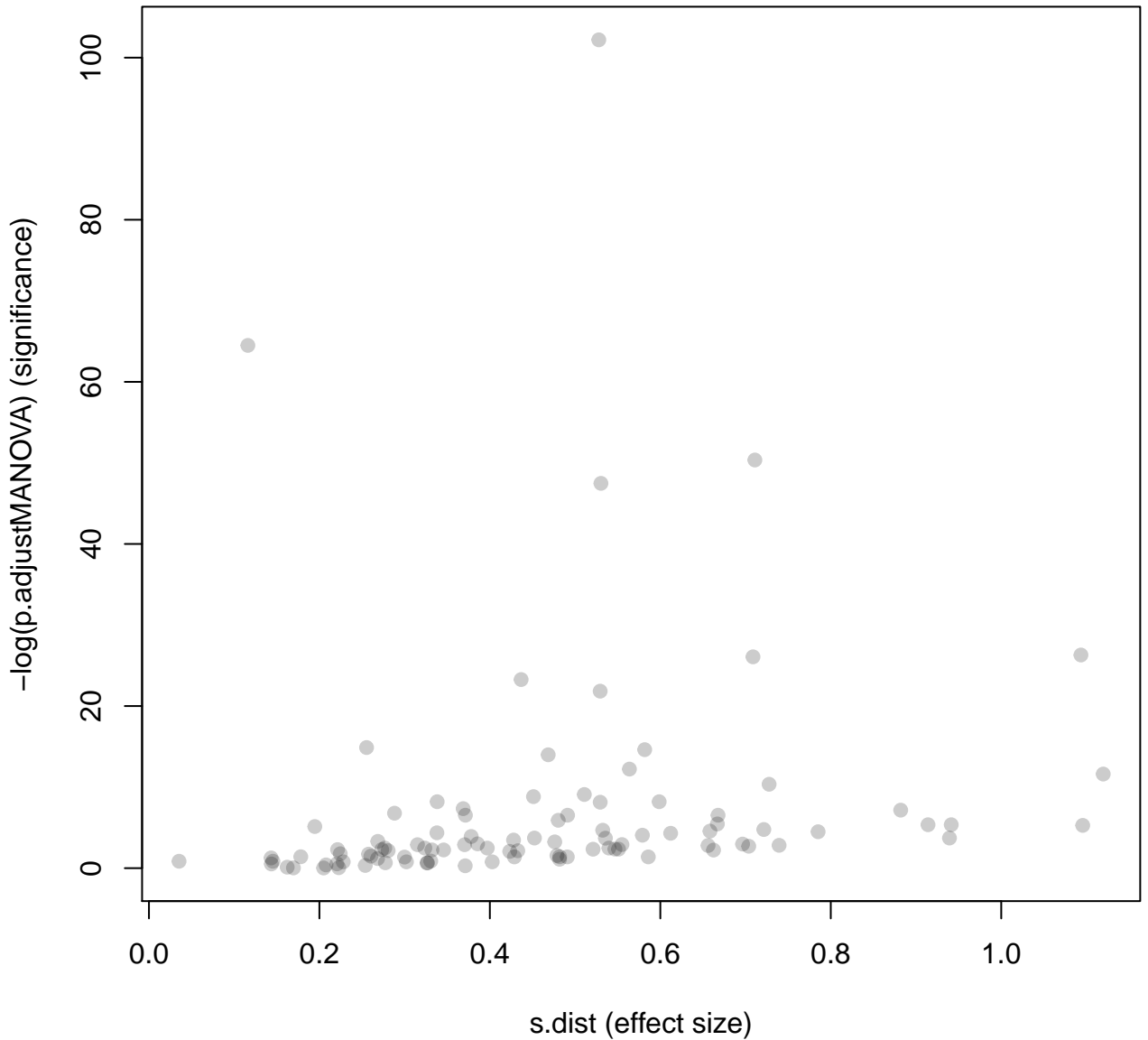
Scatterplot of all genesets; FDR<0.05 in red



# Color Key and Histogram

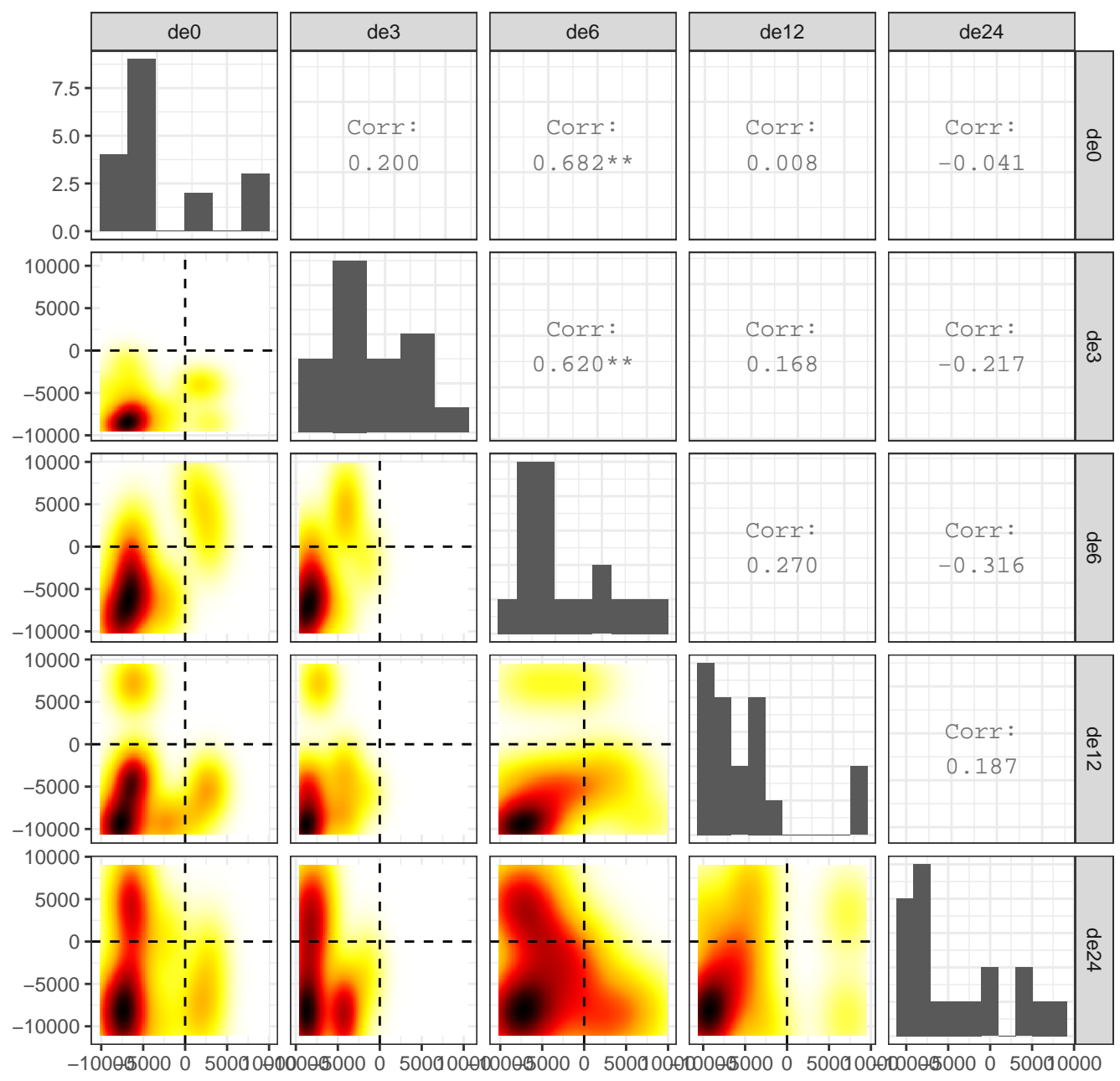


# effect size versus statistical significance

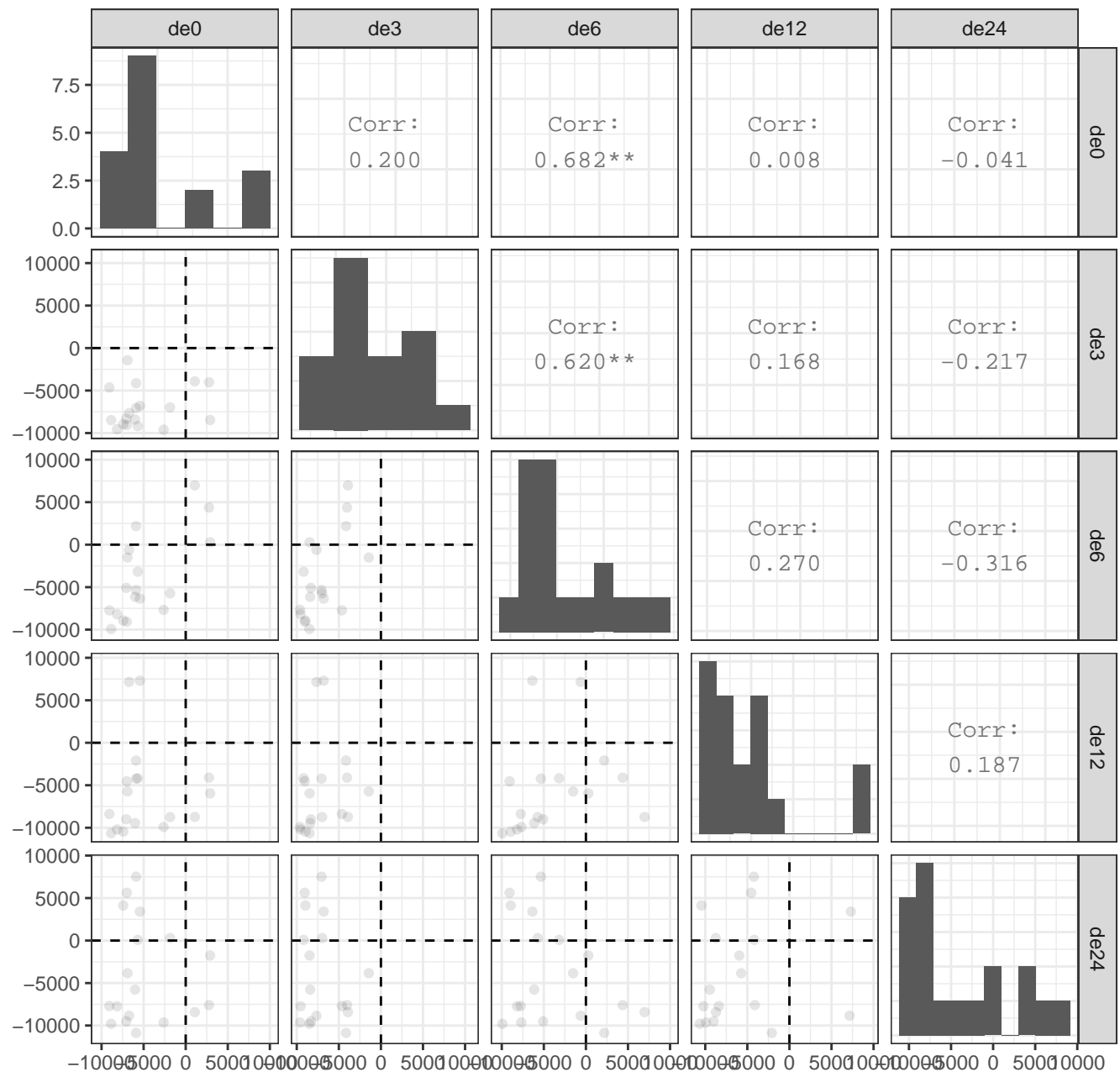




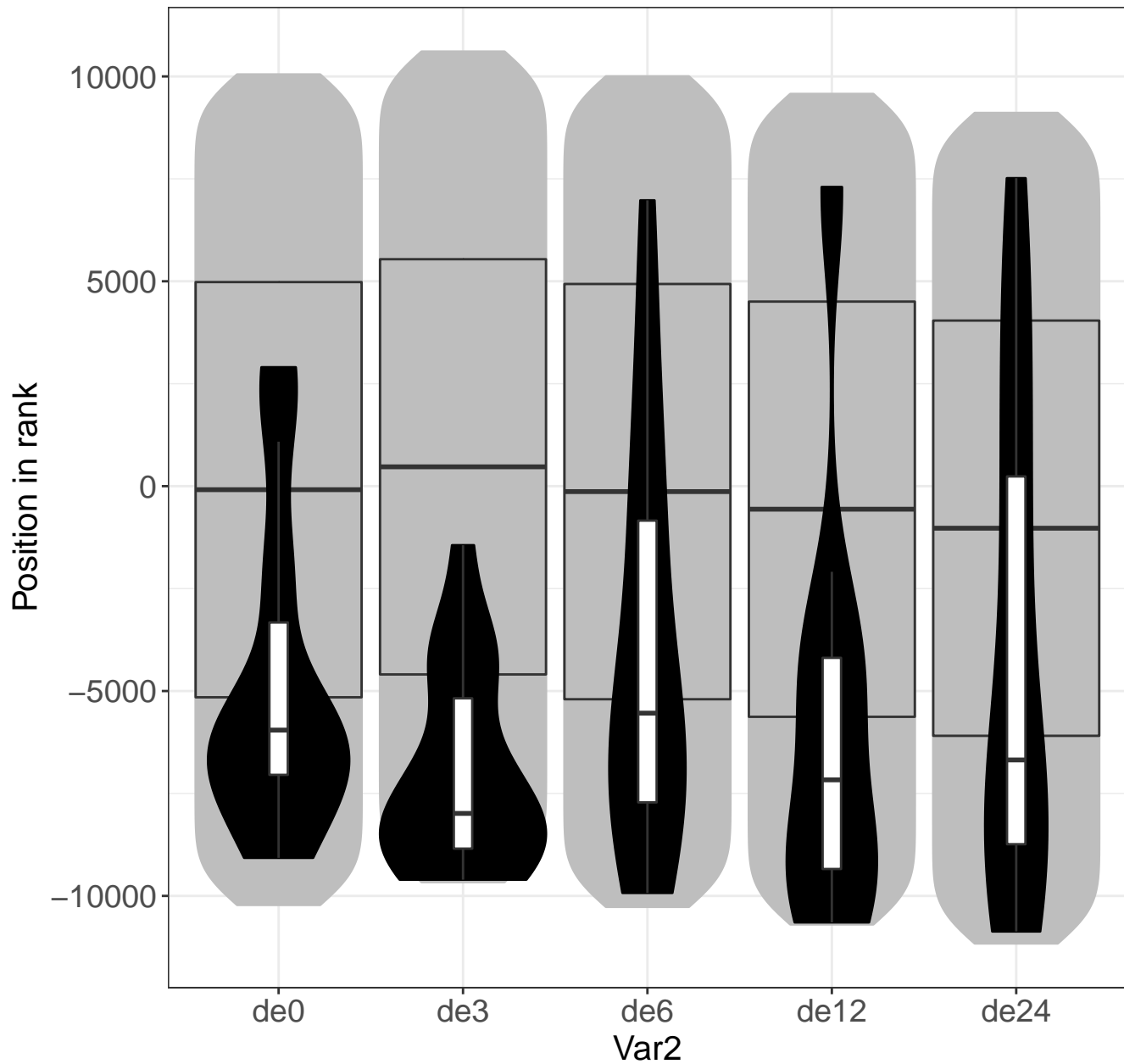
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_TRIHELIX,\_TRIPLE-HELIX\_TRAN



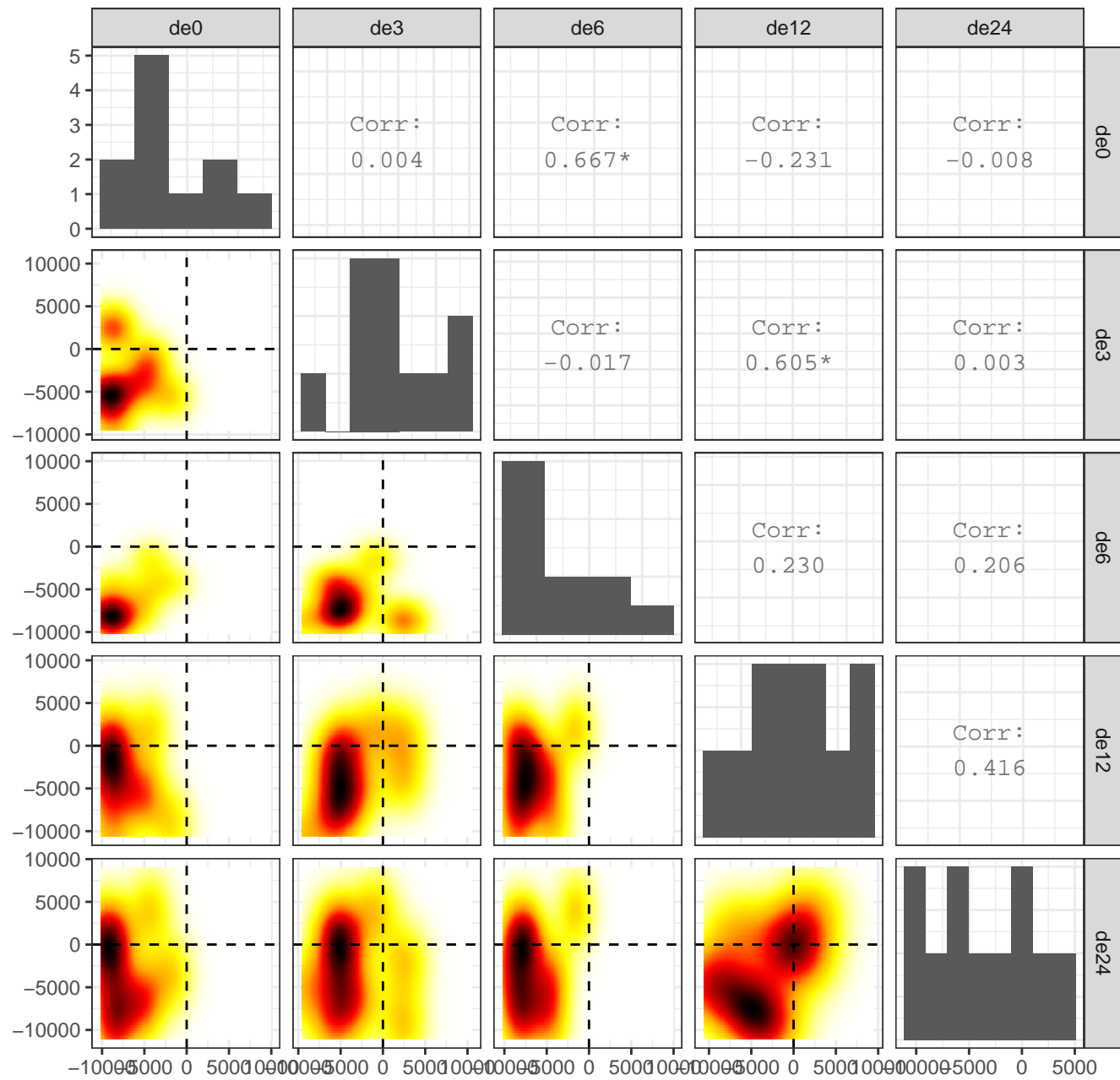
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_TRIHELIX,\_TRIPLE-HELIX\_TRAN



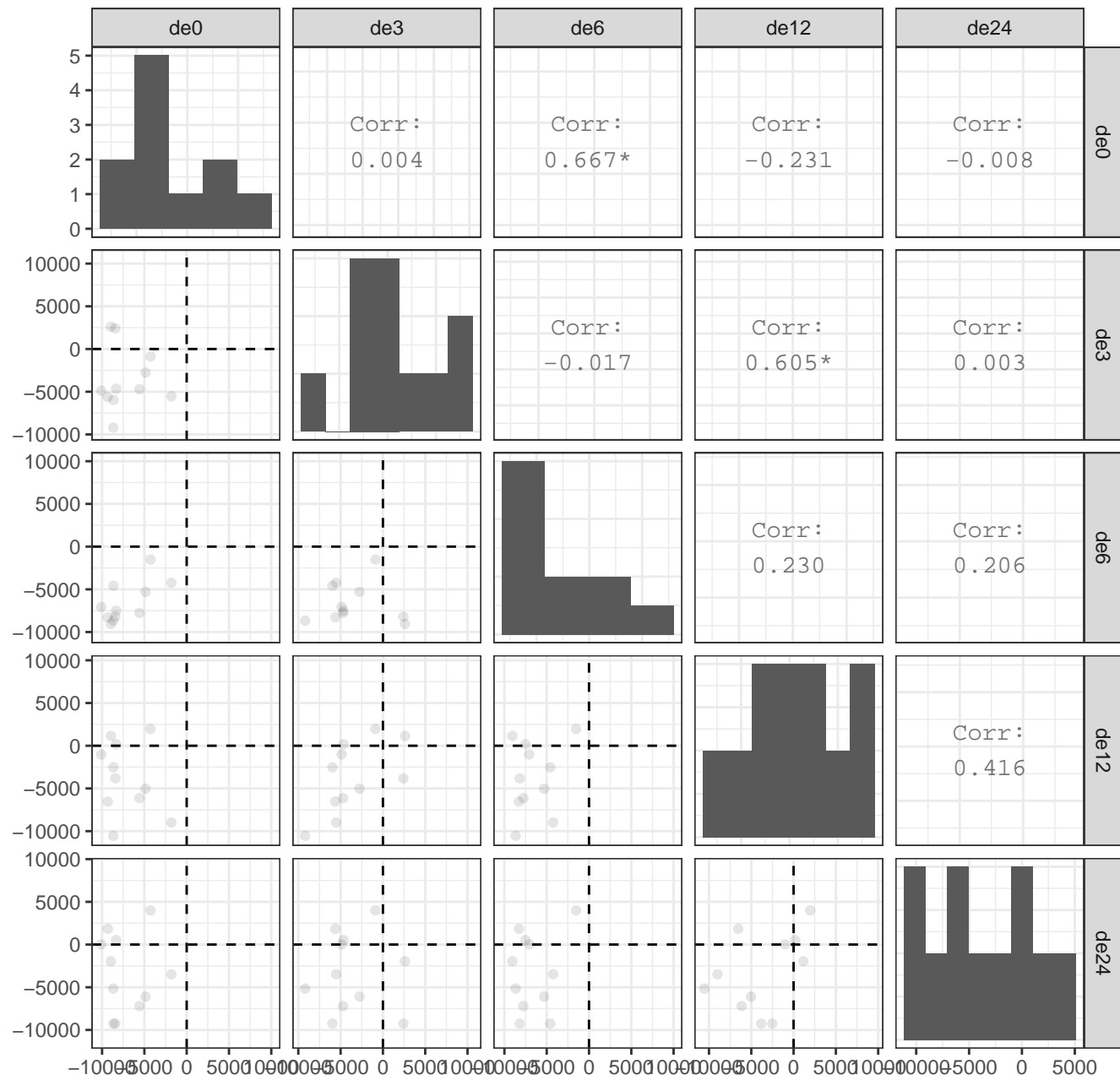
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_TR



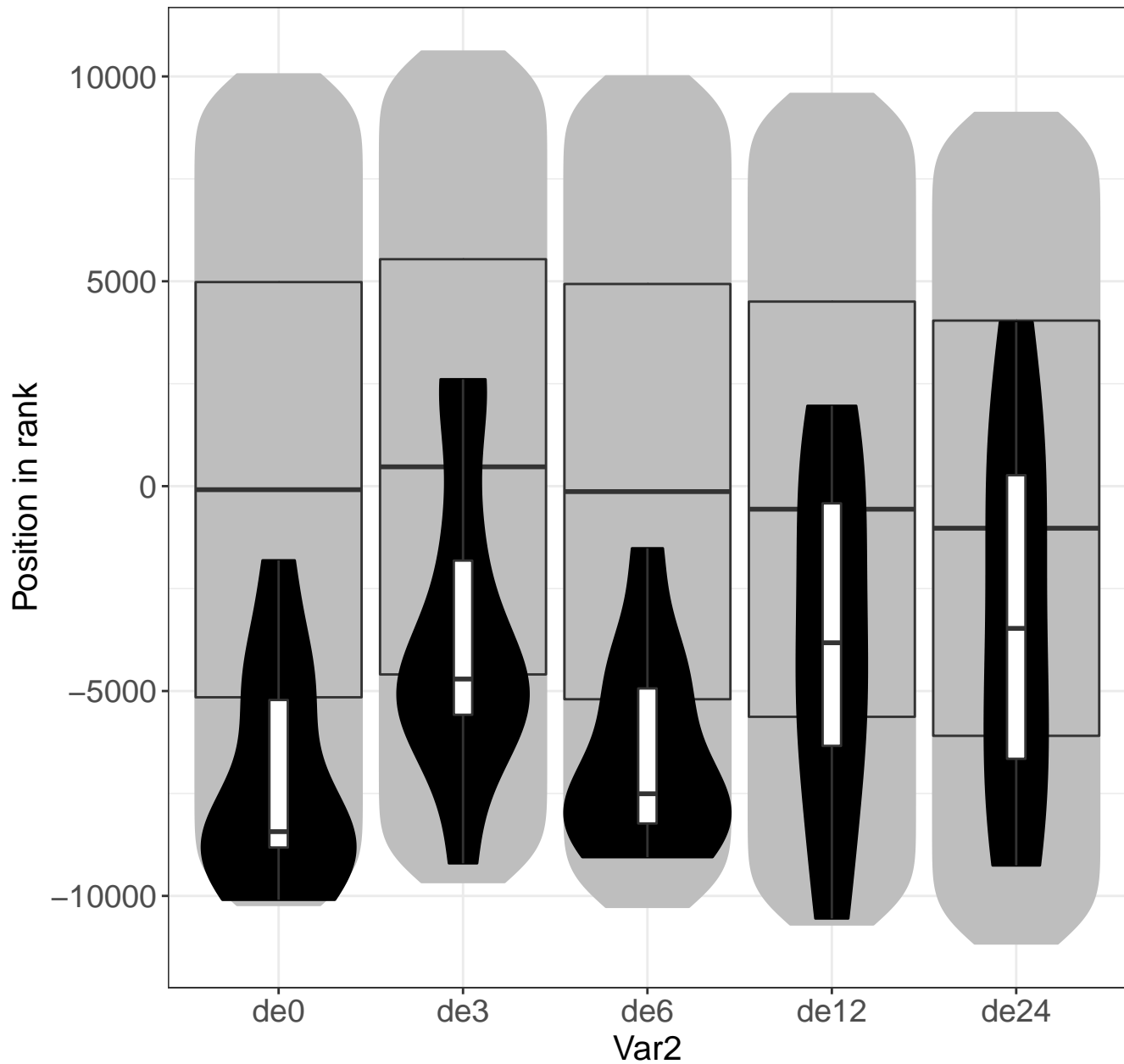
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_G2-LIKE\_TRANSCRIPTION\_FACT



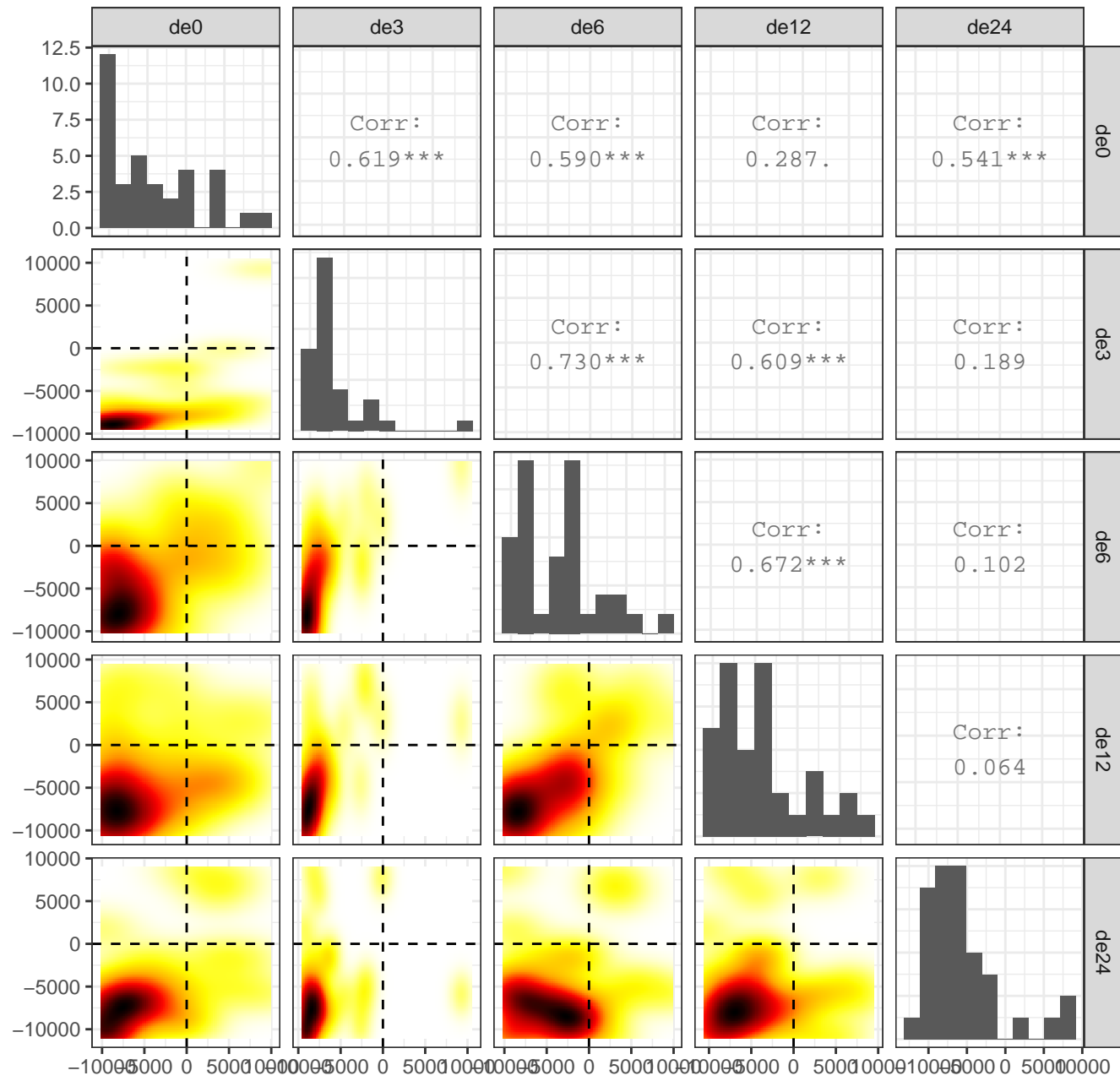
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_G2-LIKE\_TRANSCRIPTION\_FACT



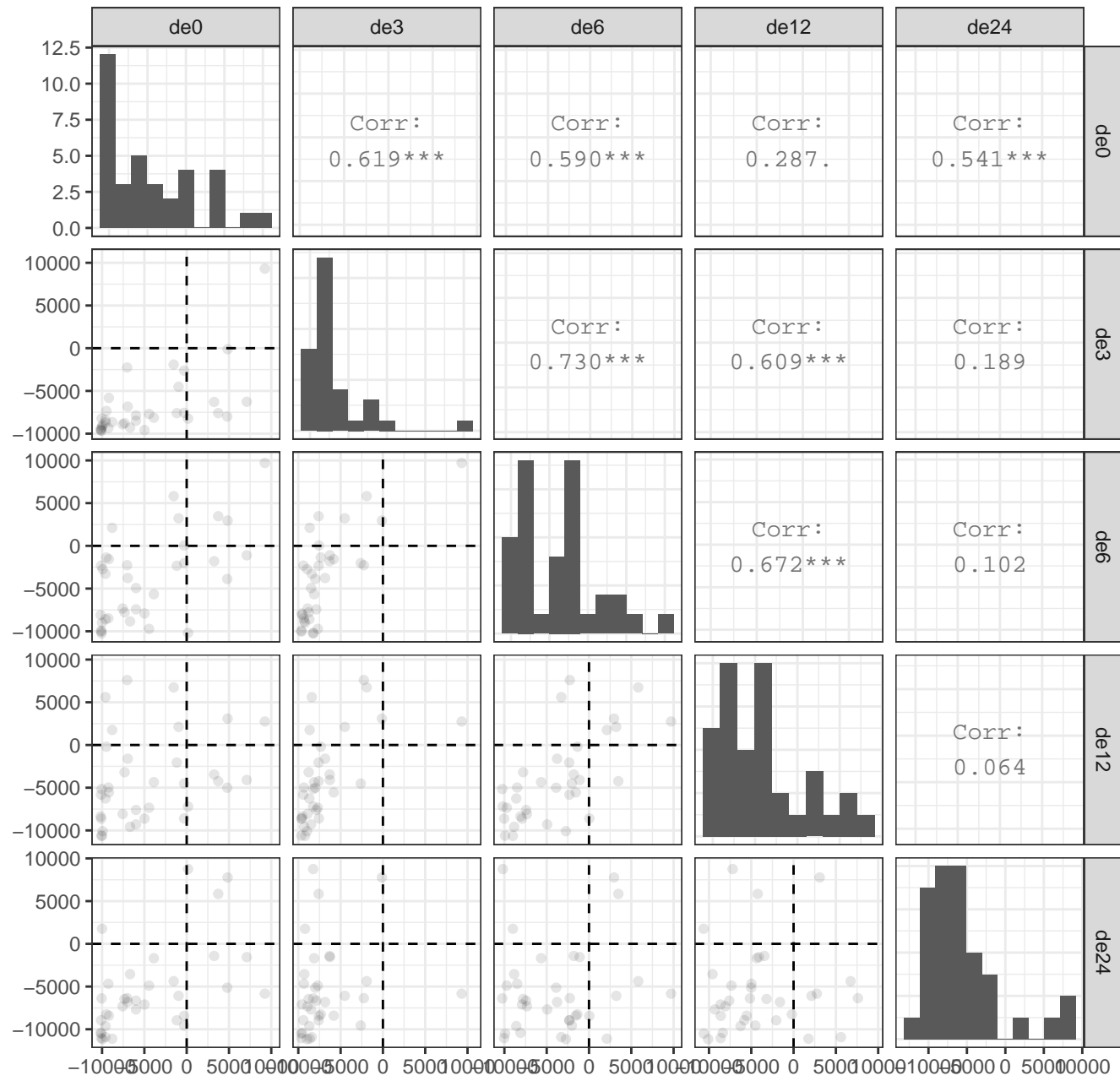
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_G2



# NOT\_ASSIGNED\_NO\_ONTOLOGY\_GLYCINE\_RICH\_PROTEINS

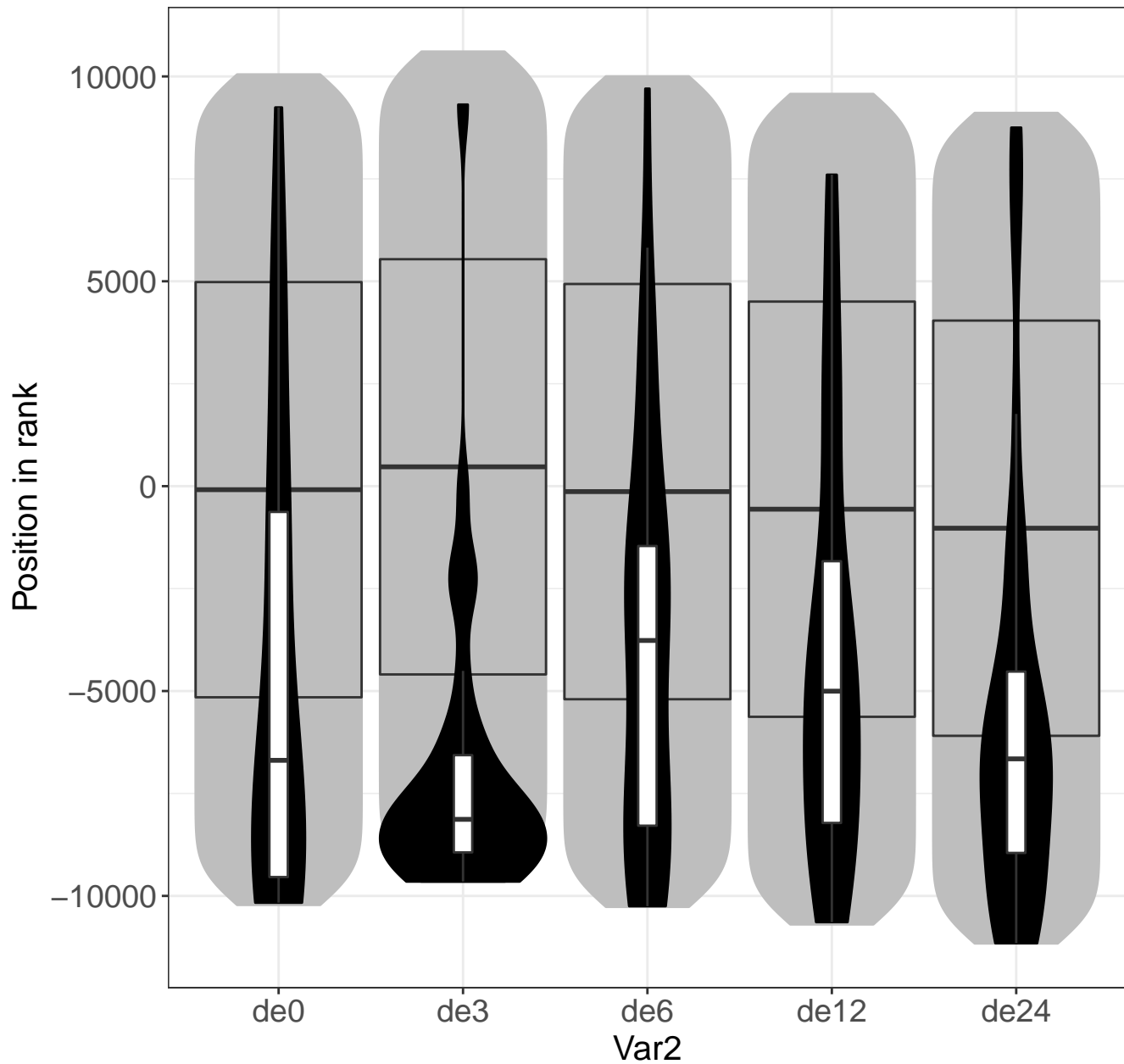


# NOT\_ASSIGNED\_NO\_ONTOLOGY\_GLYCINE\_RICH\_PROTEINS

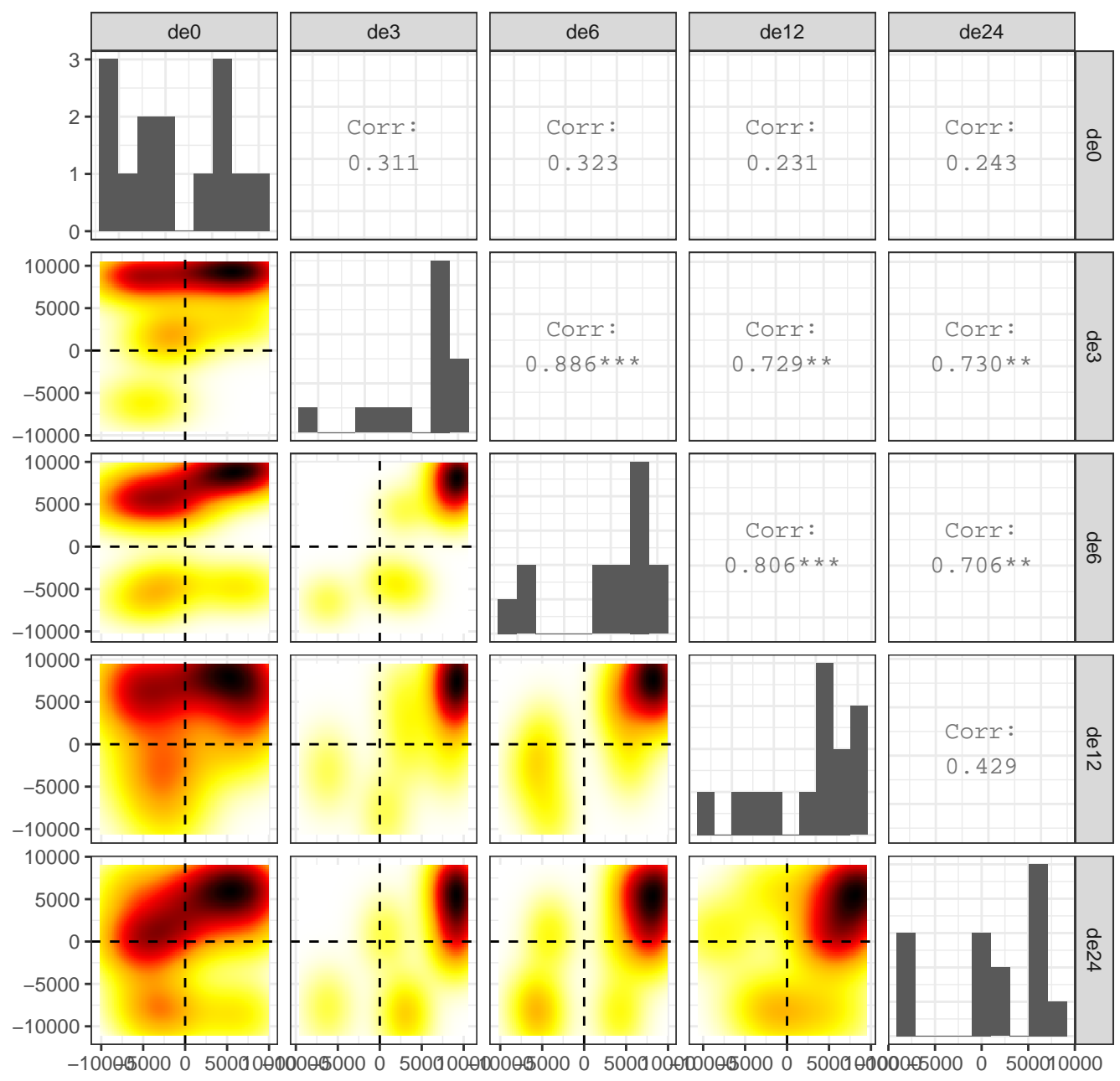




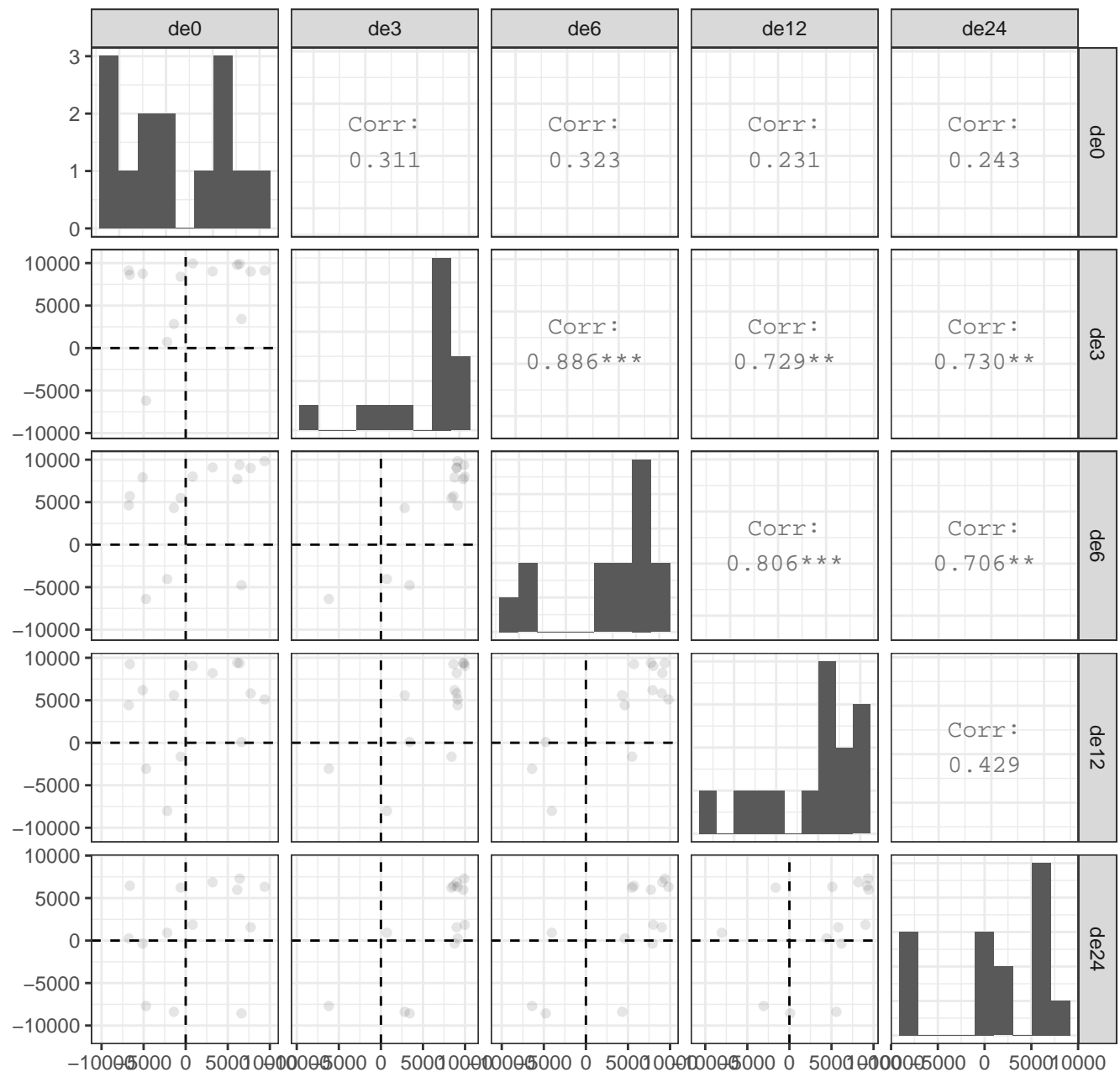
# NOT\_ASSIGNED\_NO\_ONTOLOGY\_GLYCINE\_



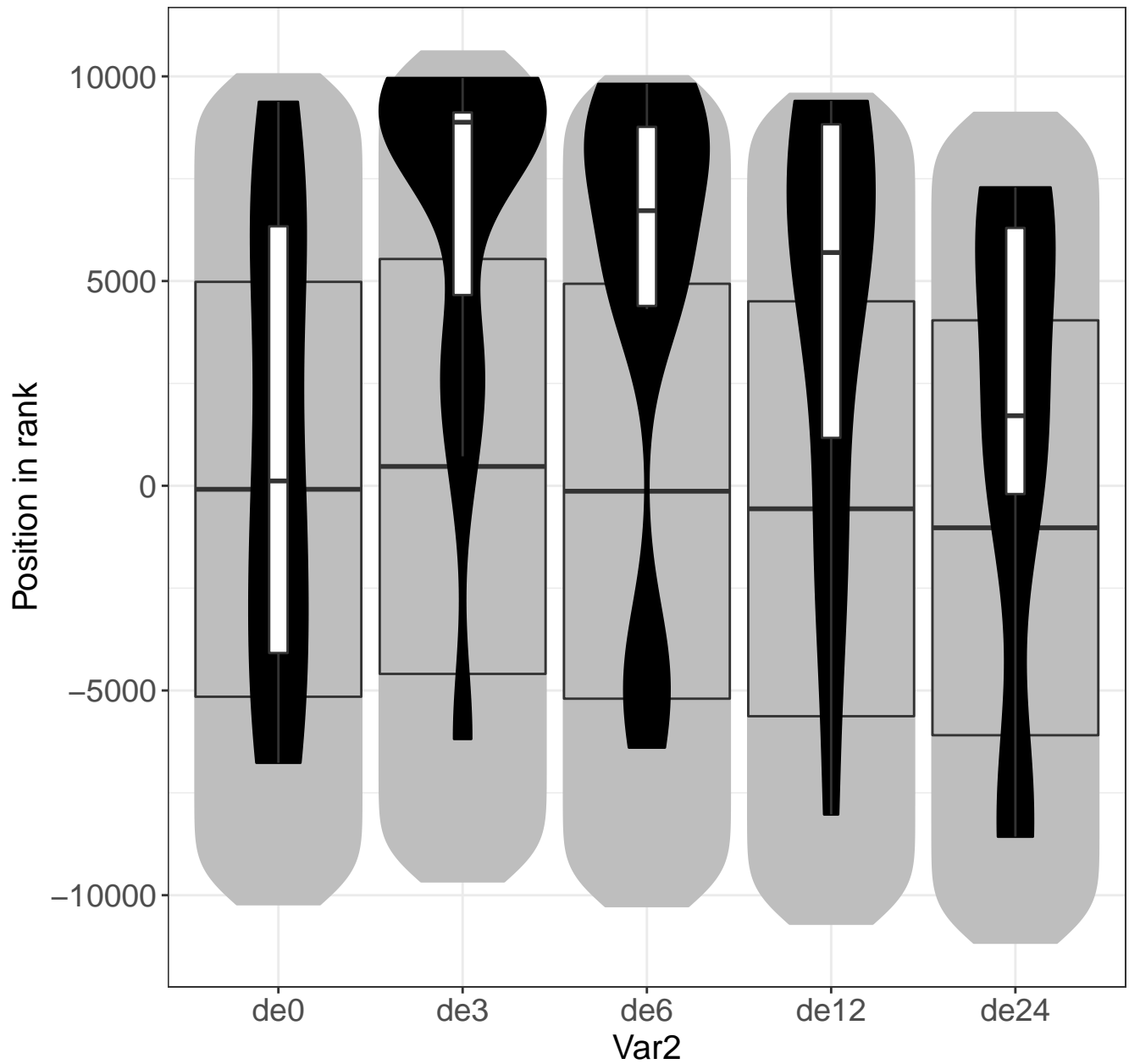
# TRANSPORT\_METABOLITE\_TRANSPORTERS\_AT\_THE\_ENVELOPE\_MEMBER



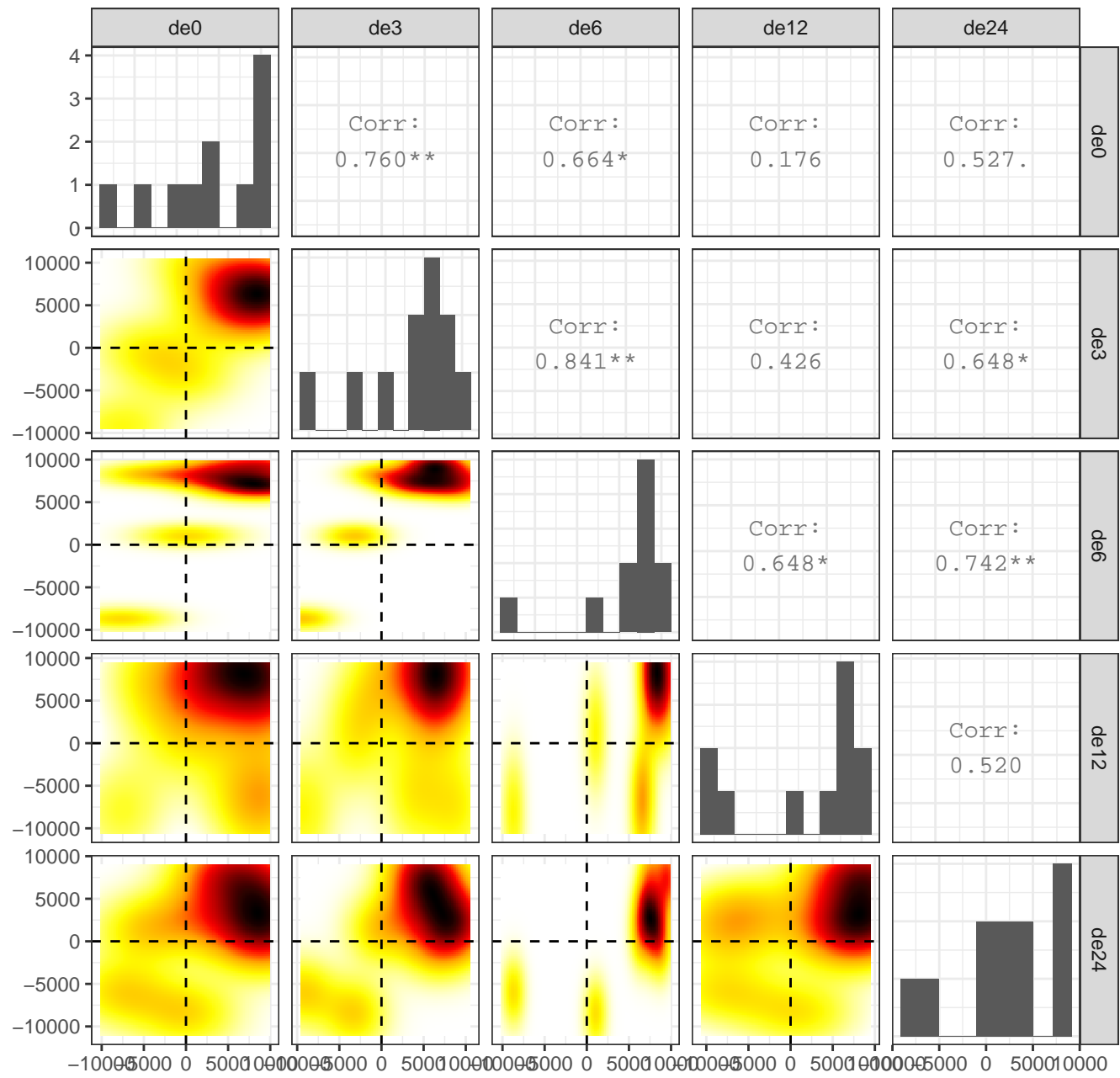
# TRANSPORT\_METABOLITE\_TRANSPORTERS\_AT\_THE\_ENVELOPE\_MEMBER



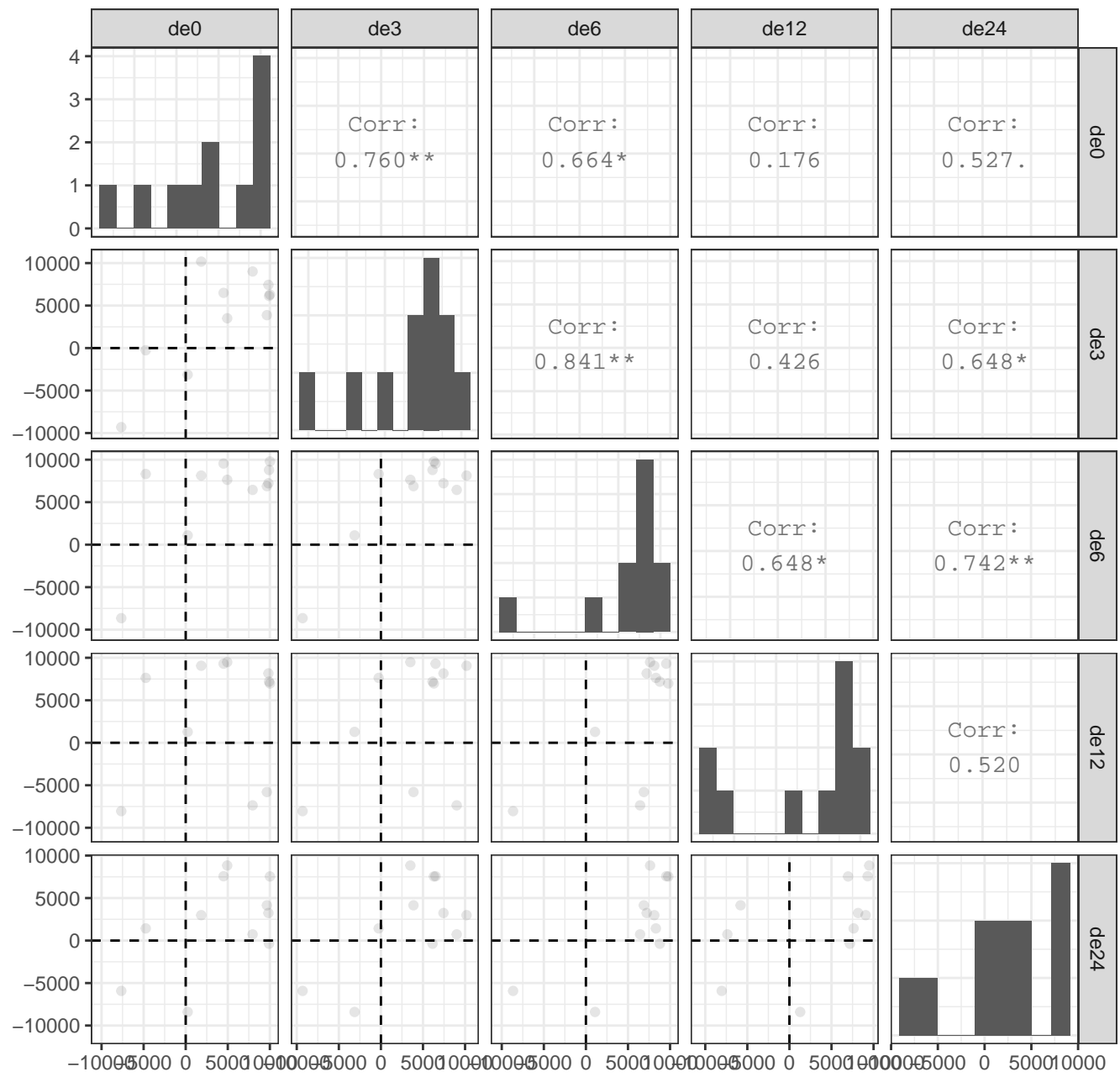
# TRANSPORT\_METABOLITE\_TRANSPORTERS



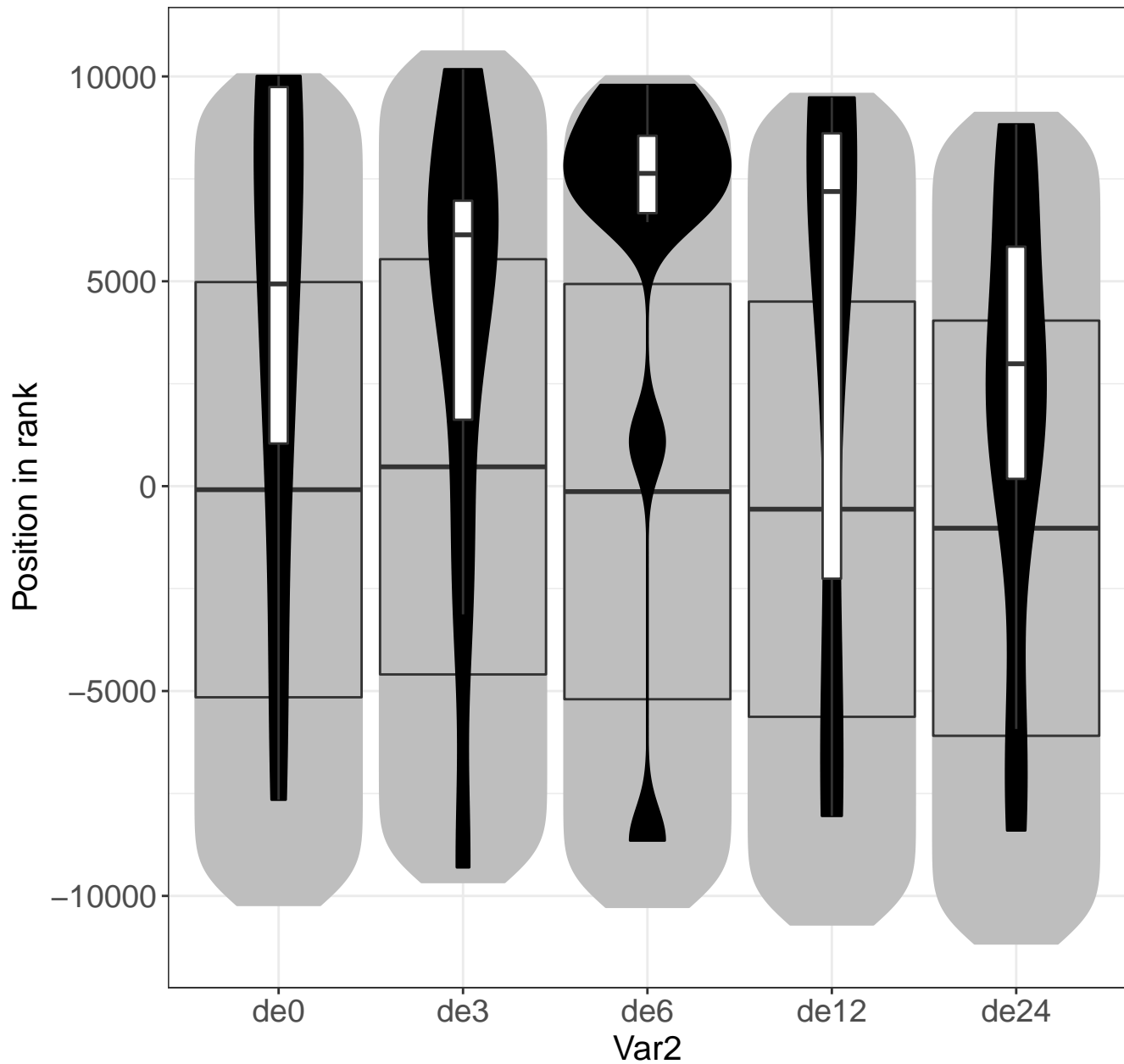
# MITOCHONDRIAL\_ELECTRON\_TRANSPORT\_/\_ATP\_SYNTHESIS\_CYTOCHR



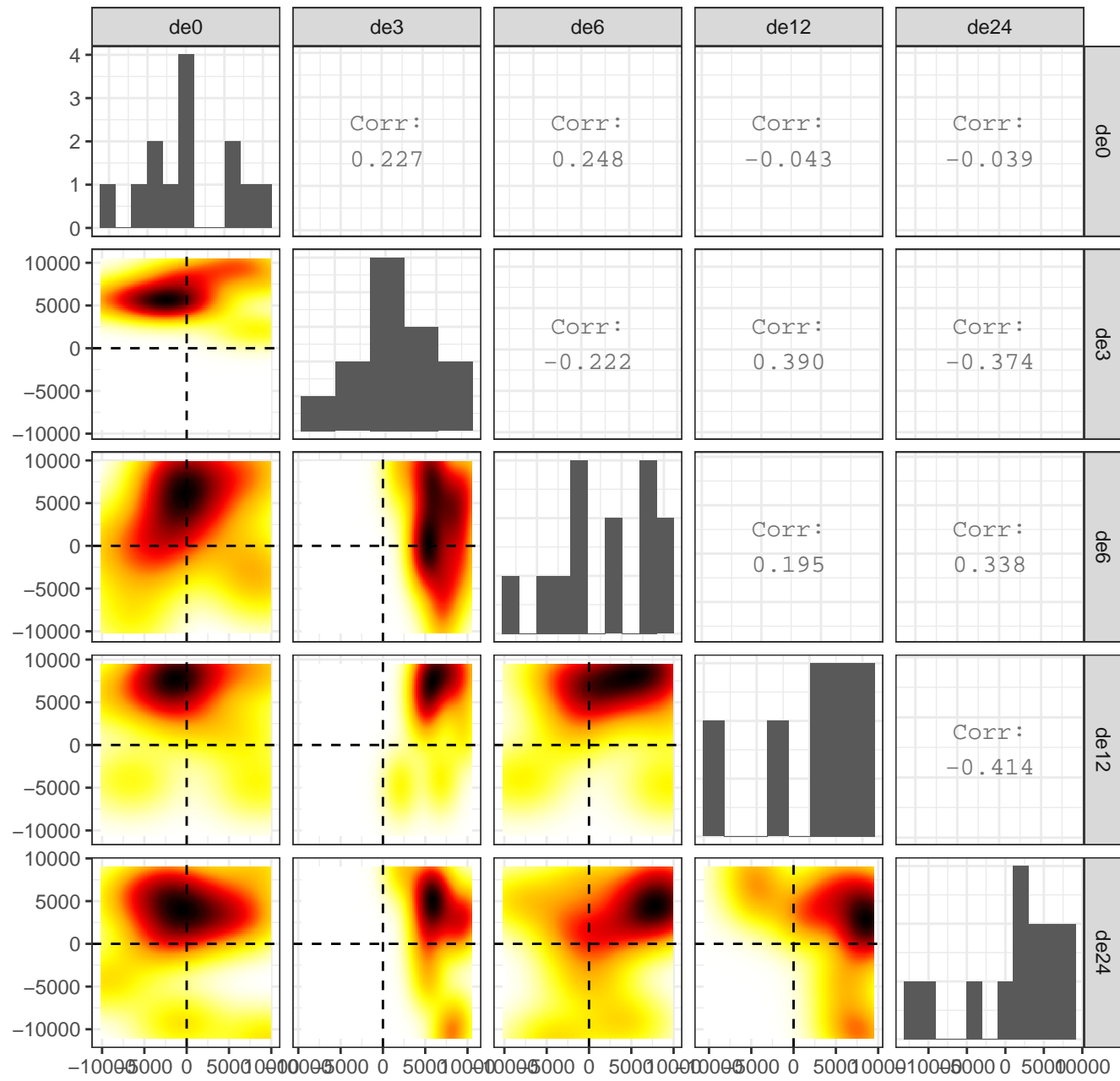
# MITOCHONDRIAL\_ELECTRON\_TRANSPORT\_/\_ATP\_SYNTHESIS\_CYTOCHR



# MITOCHONDRIAL\_ELECTRON\_TRANSPORT\_

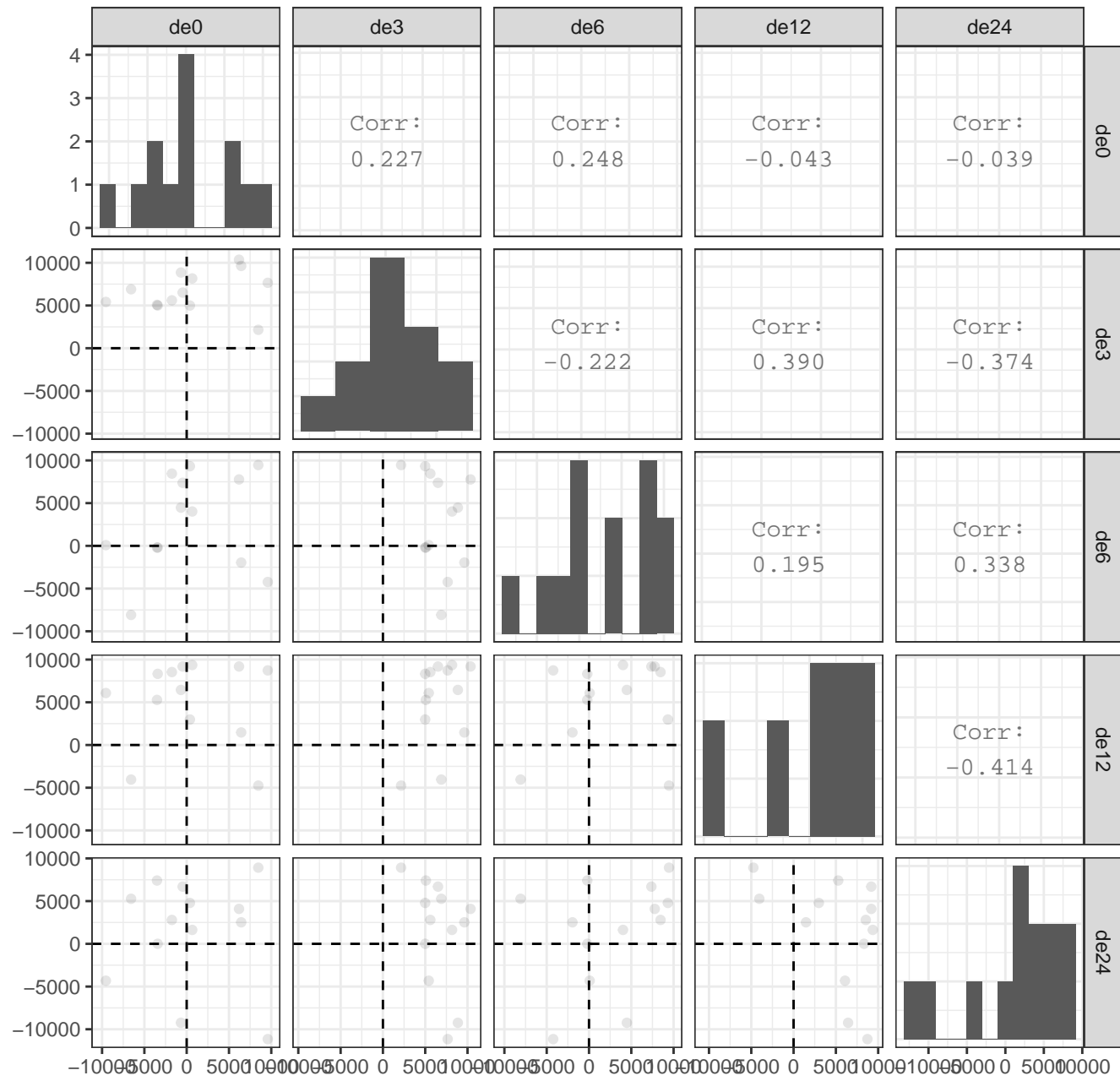


# TRANSPORT\_AMINO\_ACIDS

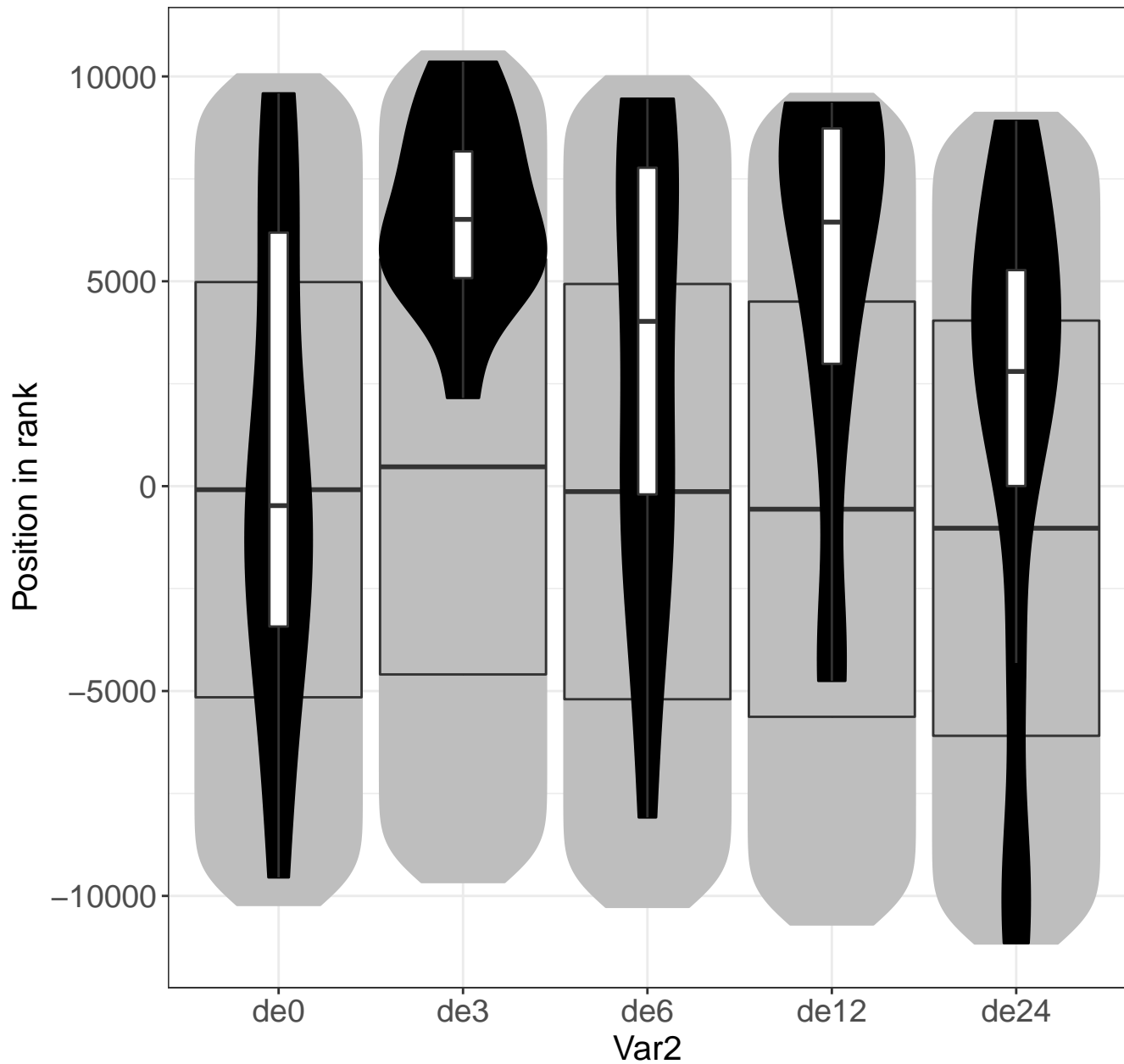




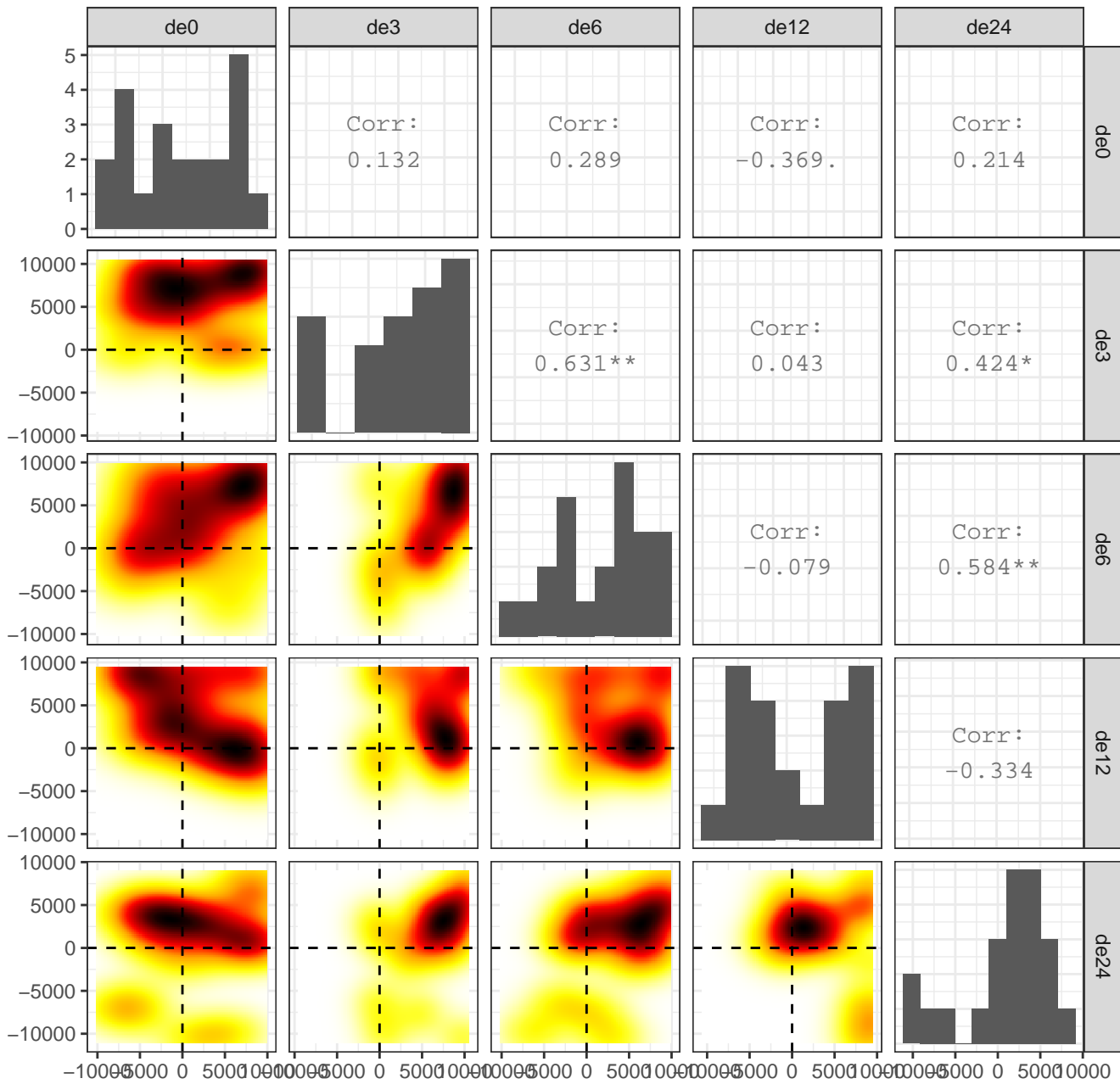
# TRANSPORT\_AMINO\_ACIDS



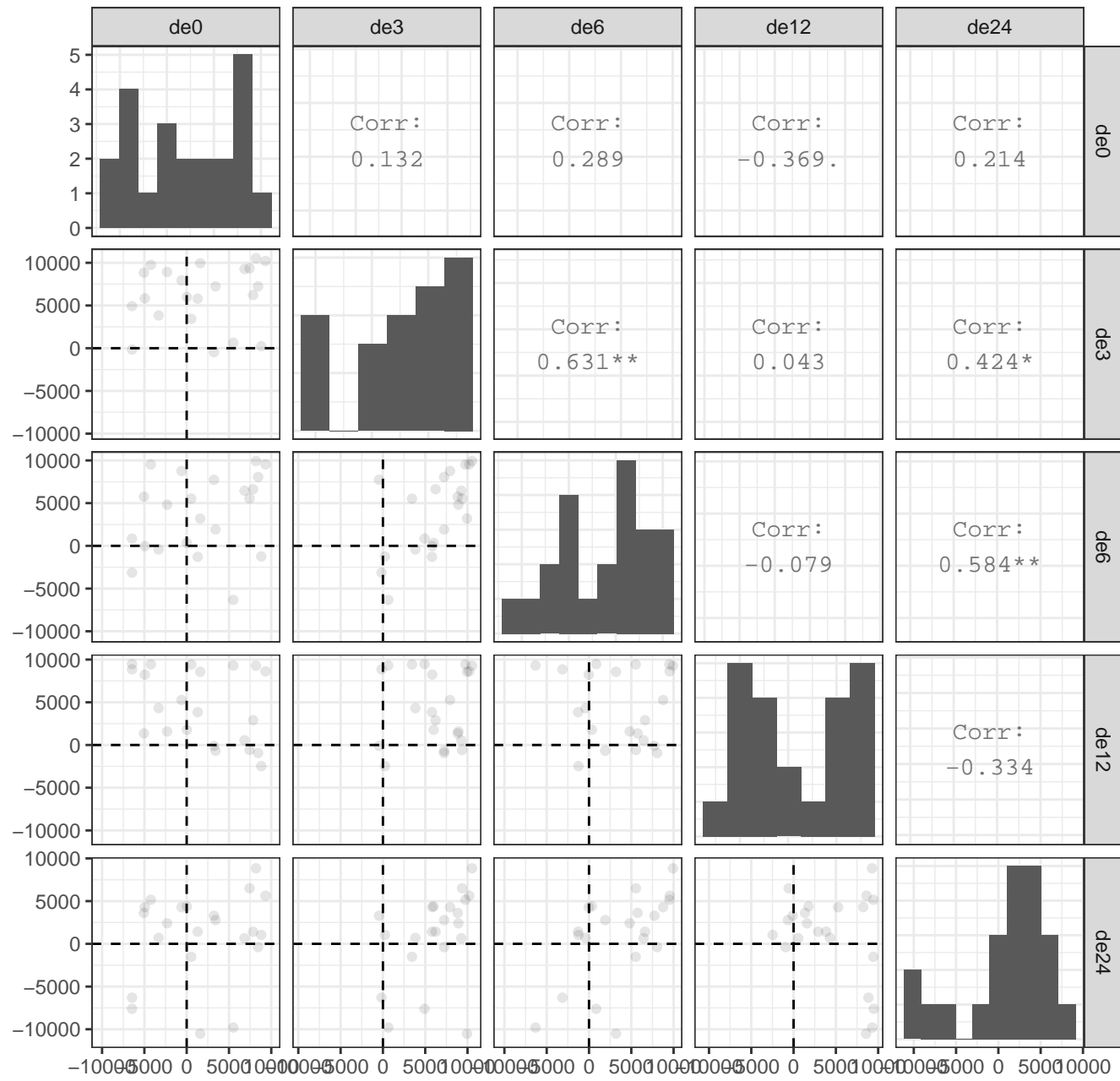
# TRANSPORT\_AMINO\_ACIDS



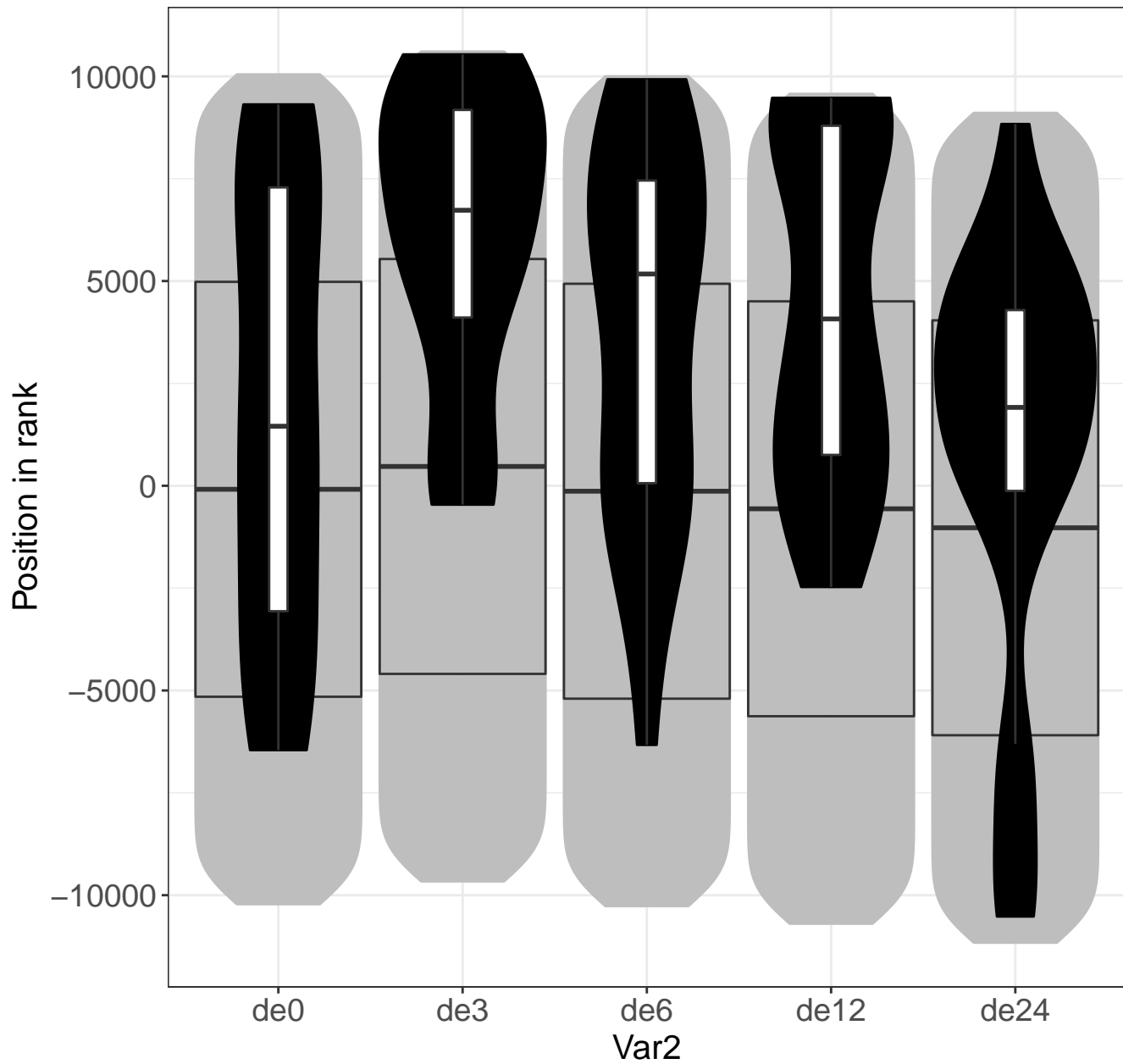
# TRANSPORT\_SUGARS



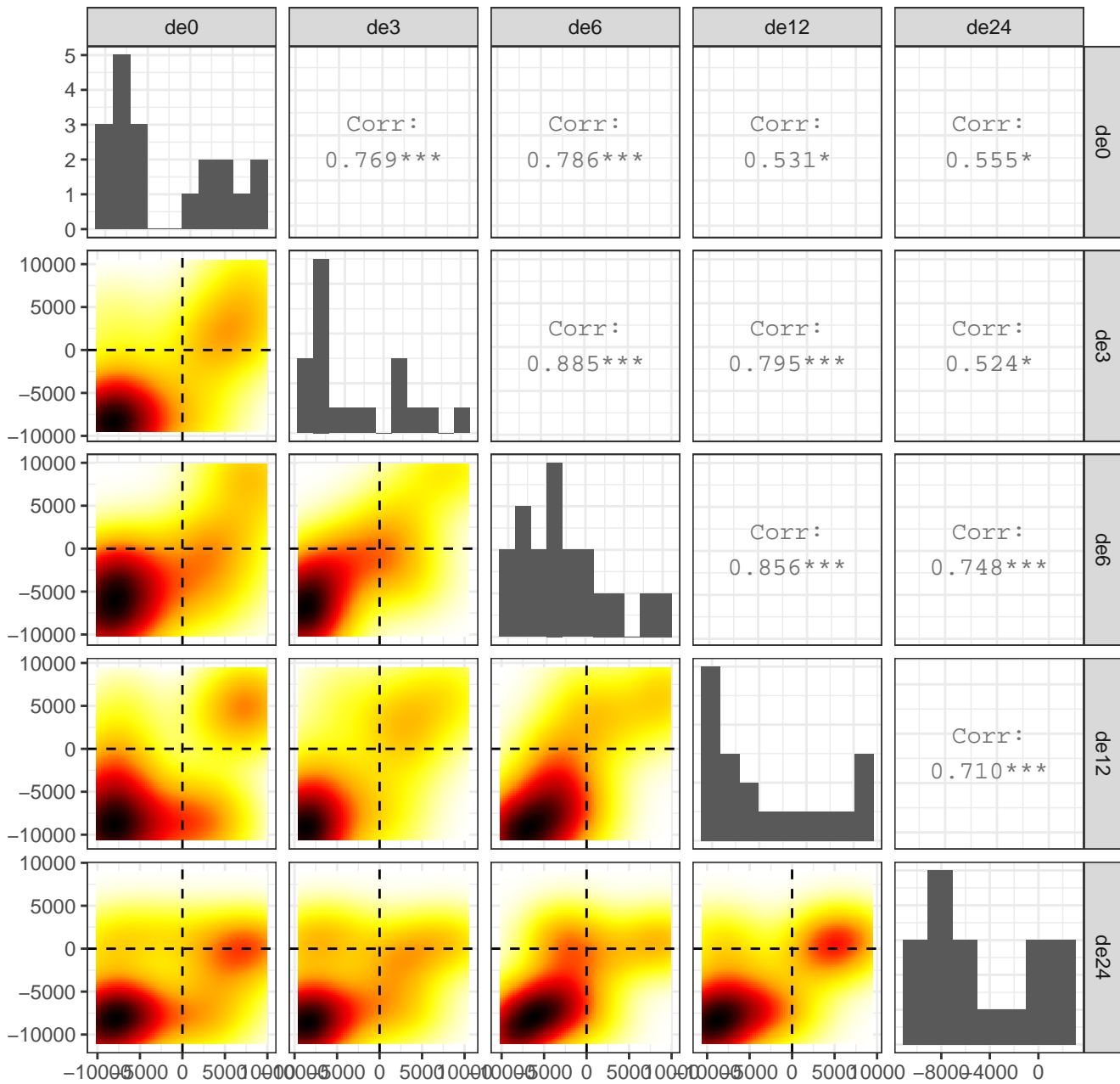
# TRANSPORT\_SUGARS



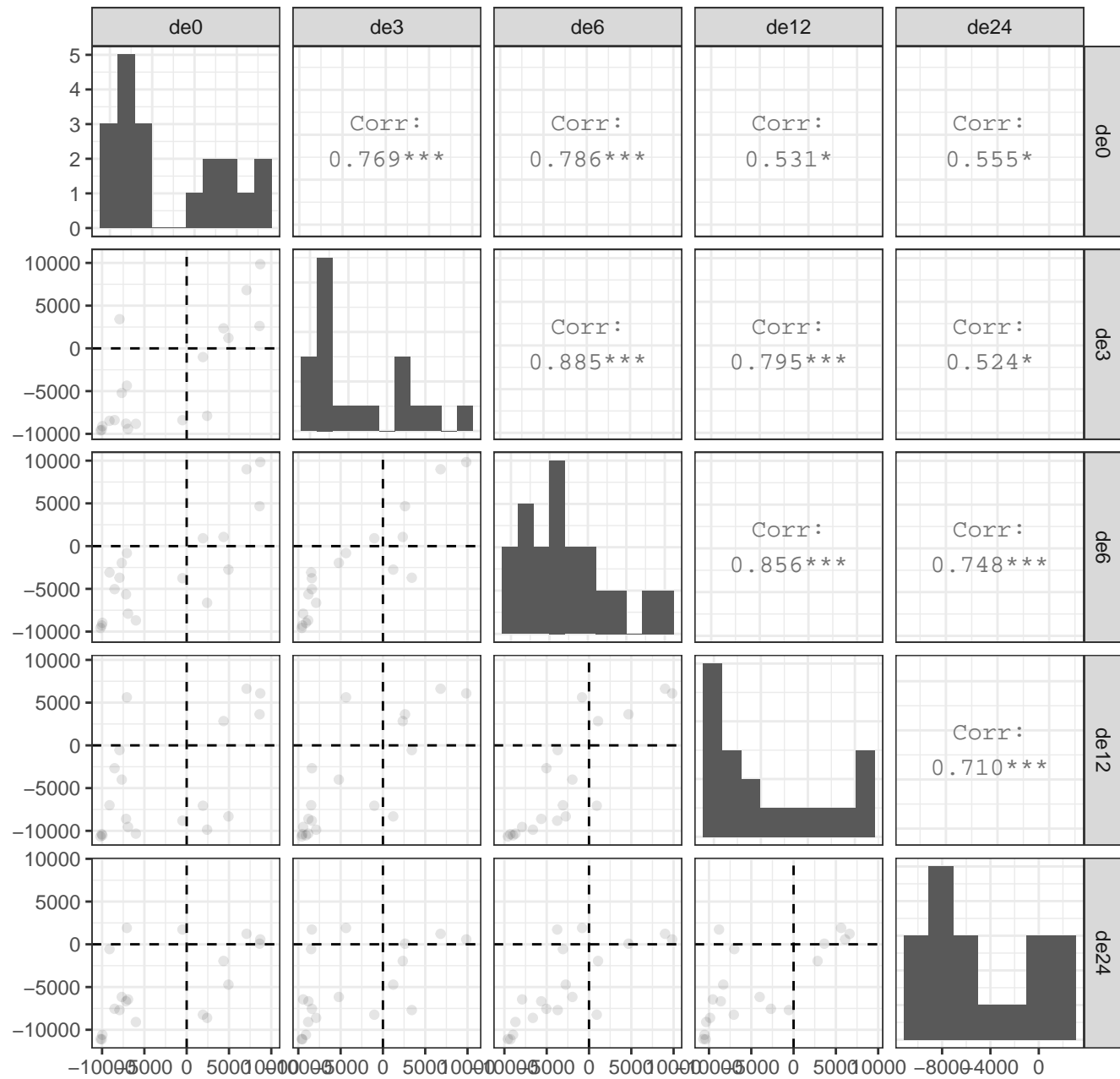
# TRANSPORT\_SUGARS



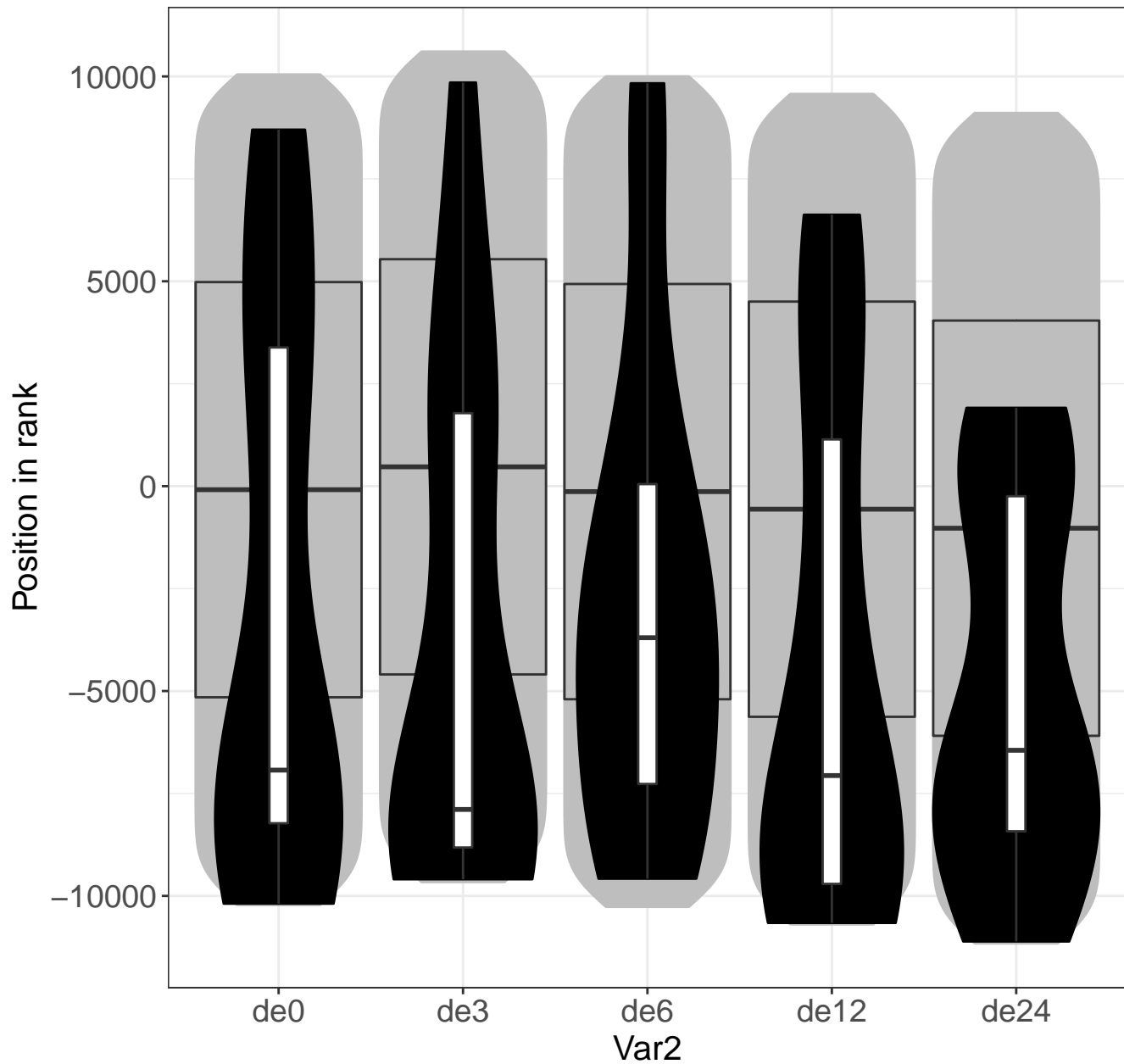
# RNA\_PROCESSING\_SPLICING



# RNA\_PROCESSING\_SPLICING

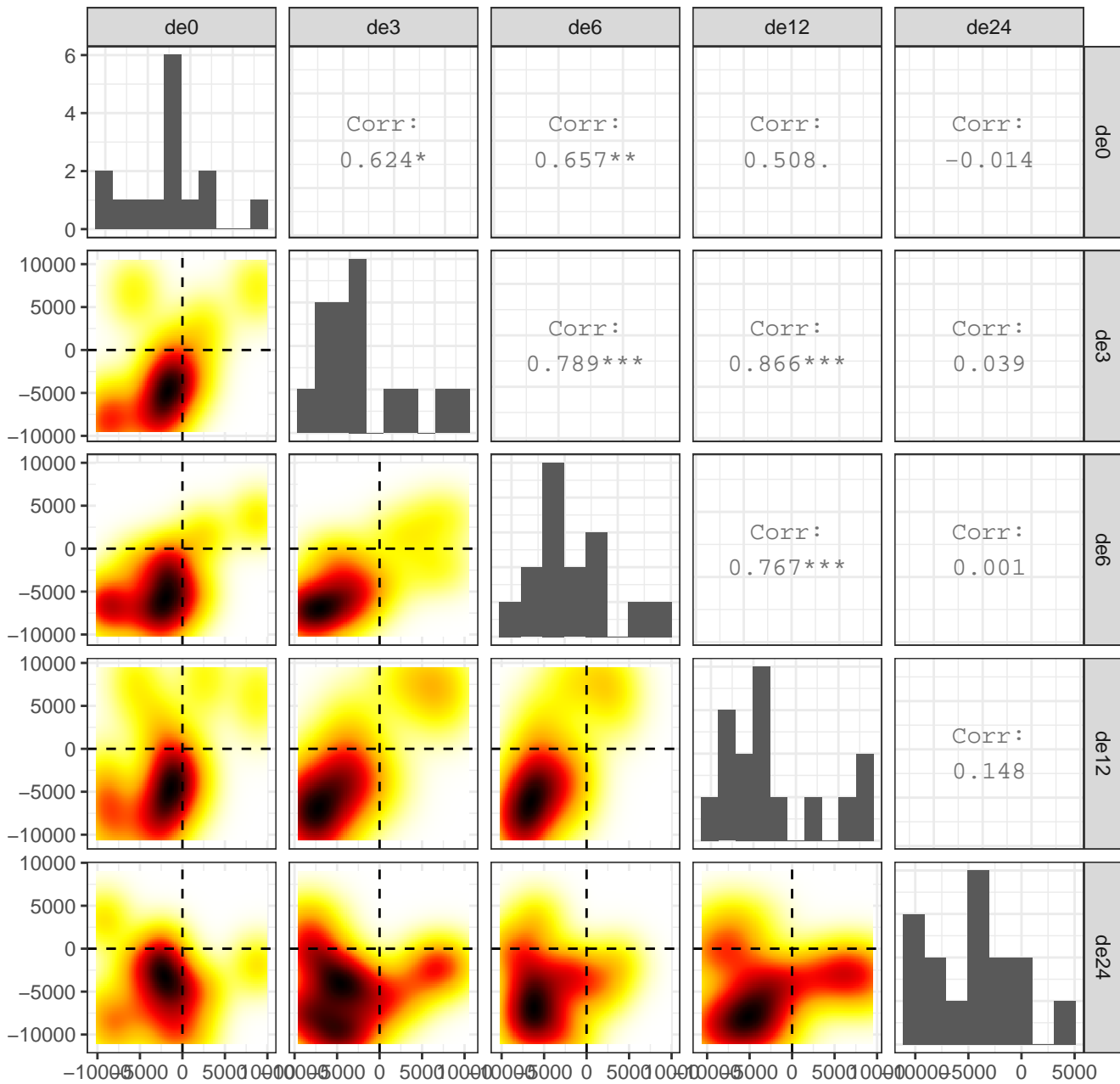


# RNA\_PROCESSING\_SPLICING

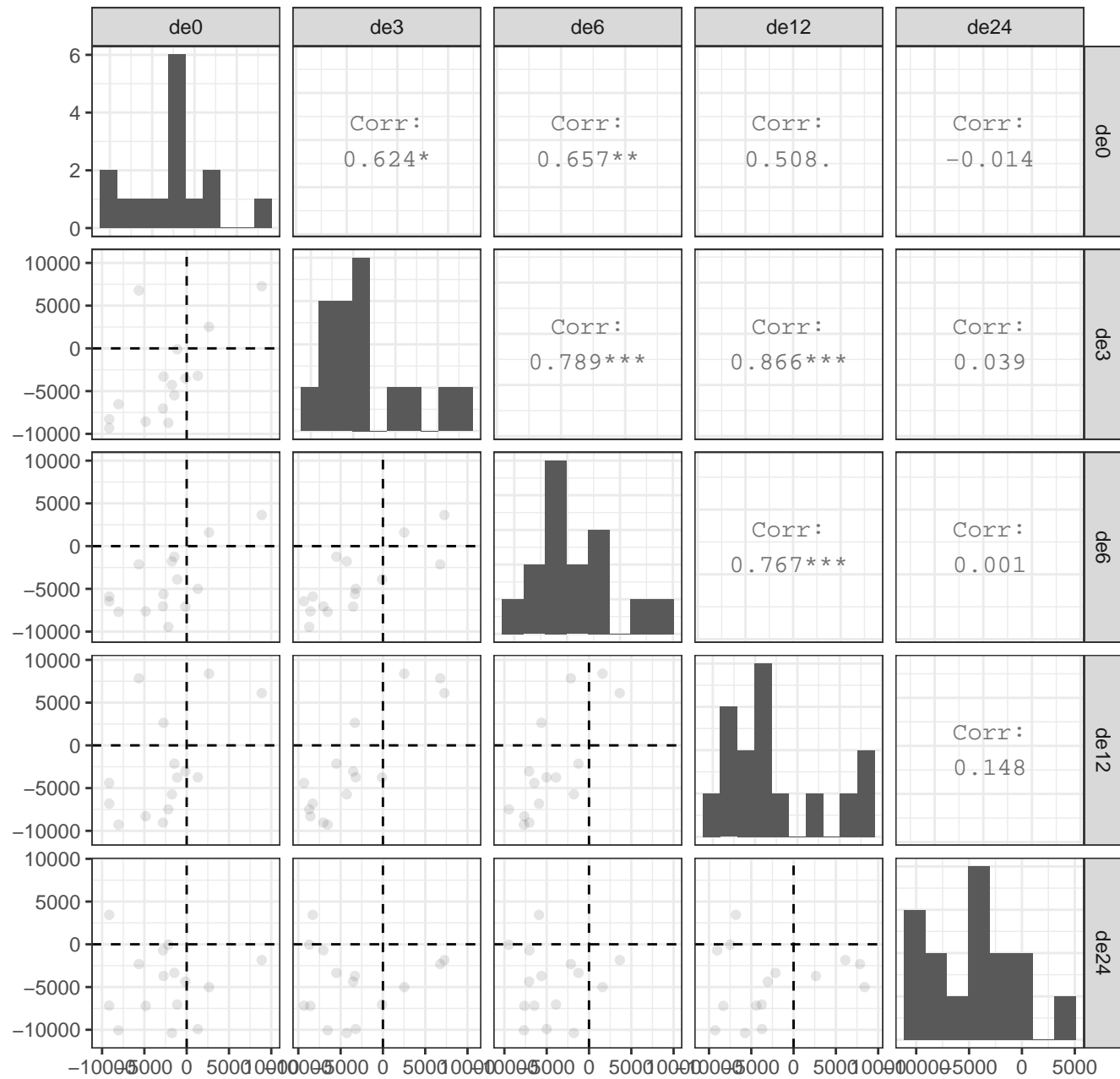




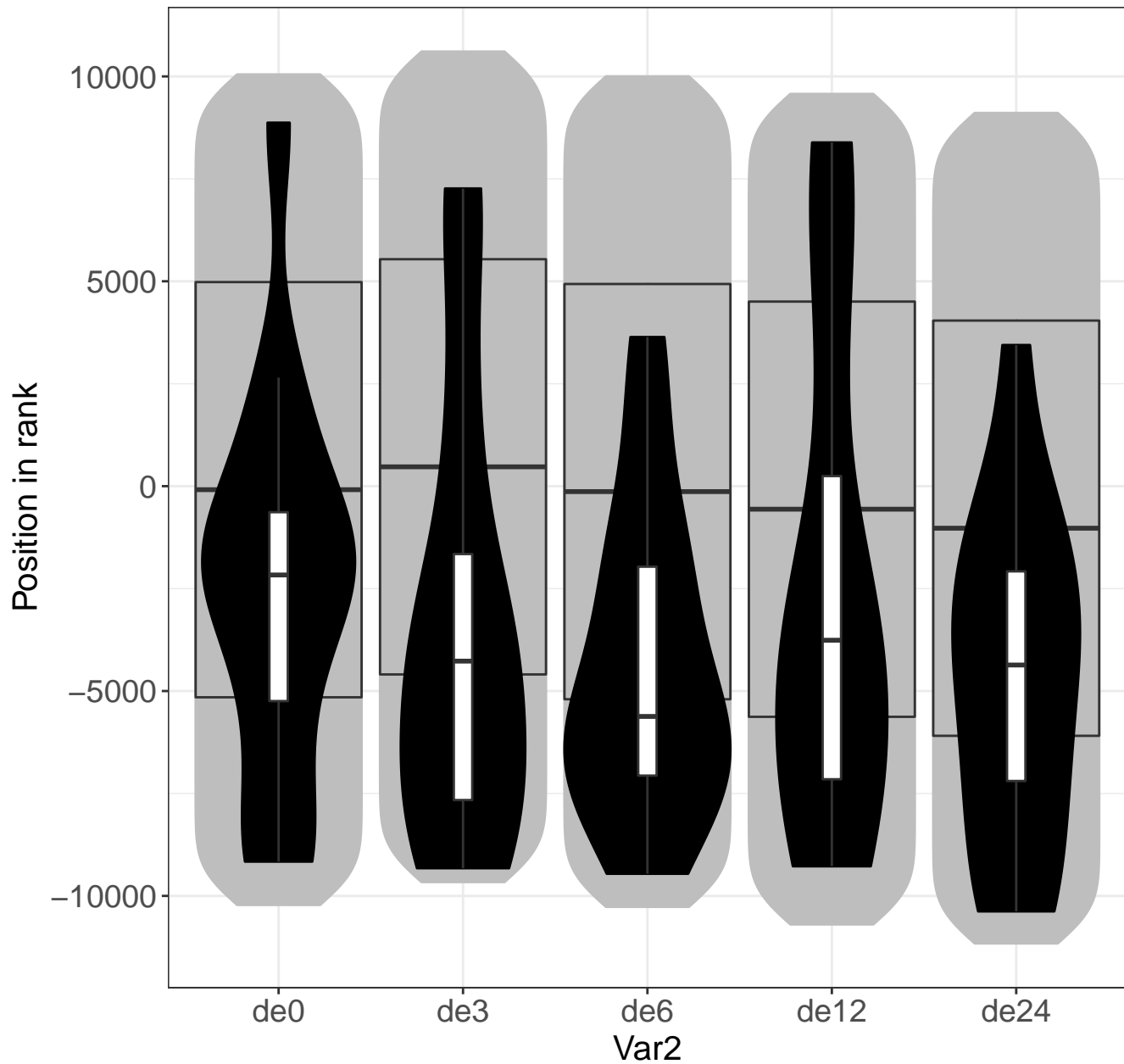
# RNA\_TRANSCRIPTION



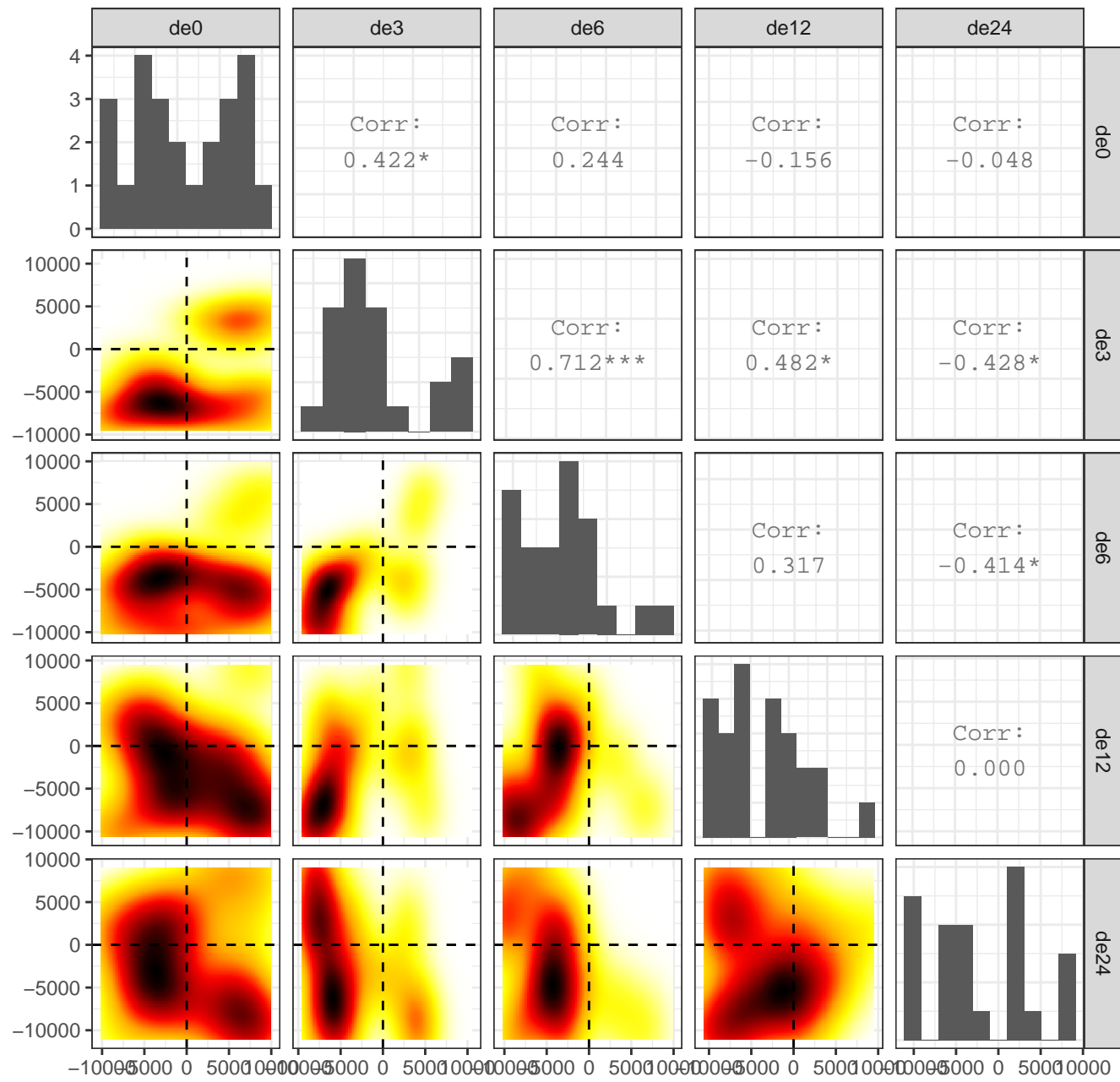
# RNA\_TRANSCRIPTION



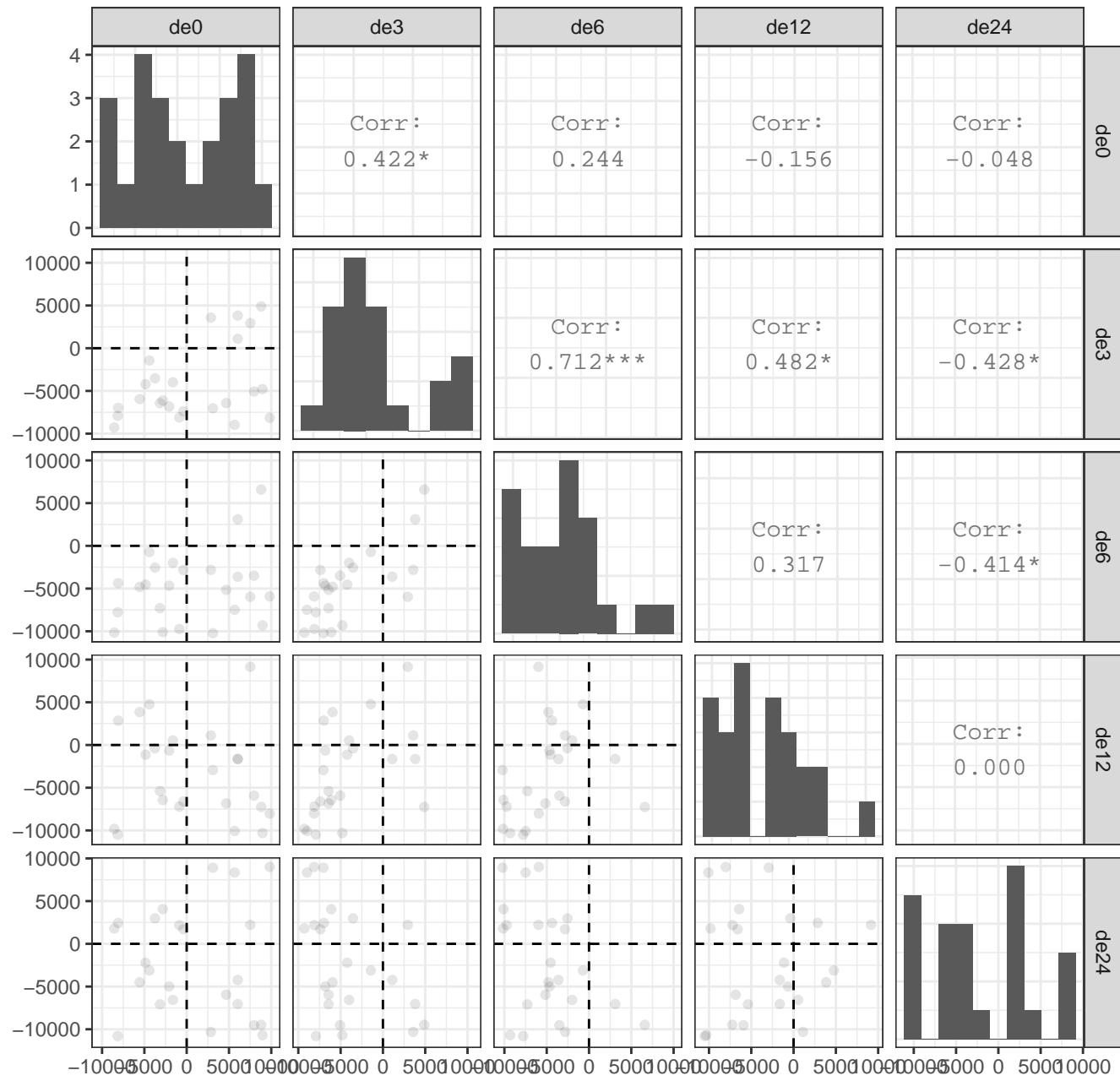
# RNA\_TRANSCRIPTION



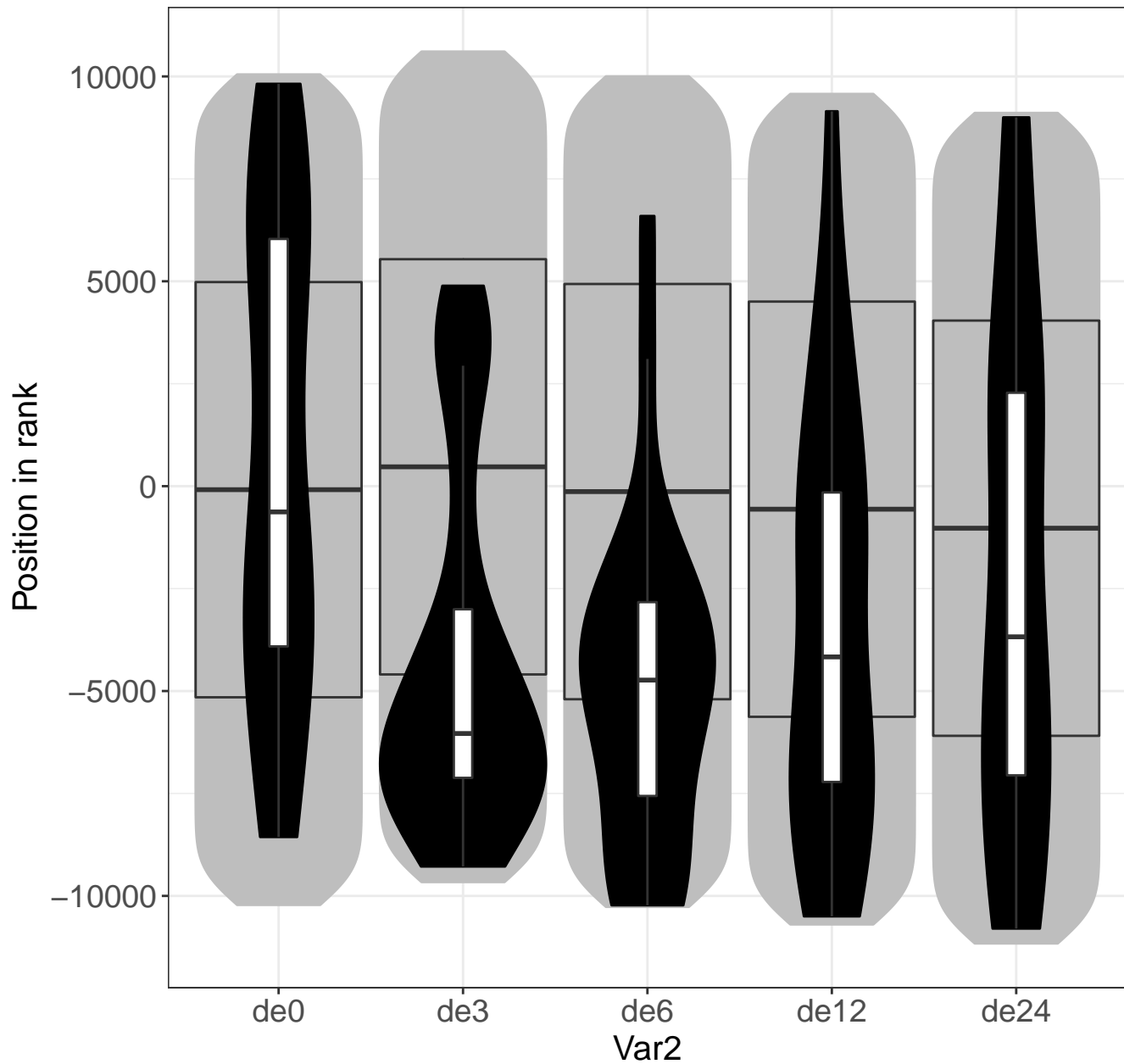
# PROTEIN\_DEGRADATION\_AAA\_TYPE



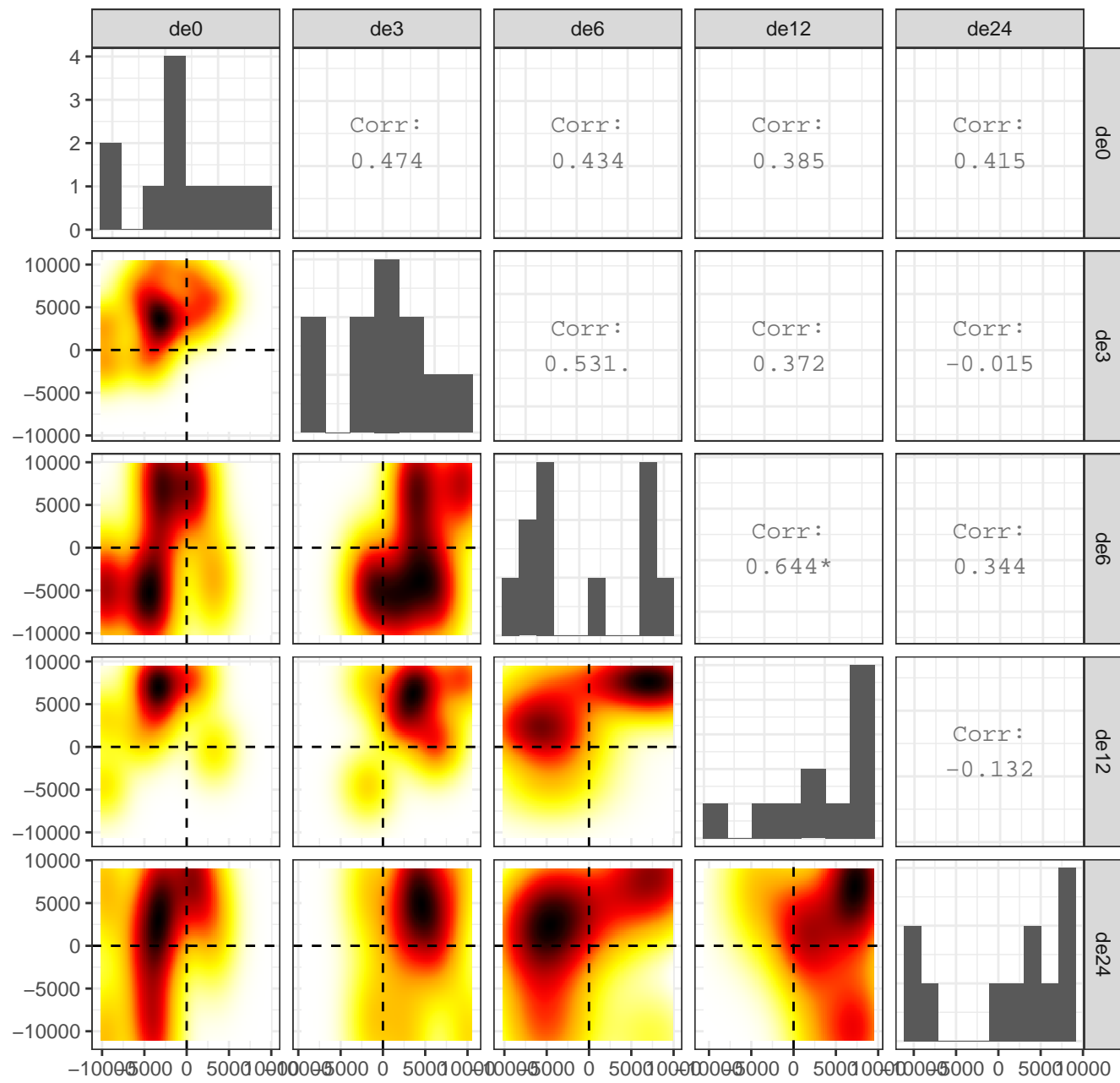
# PROTEIN\_DEGRADATION\_AAA\_TYPE



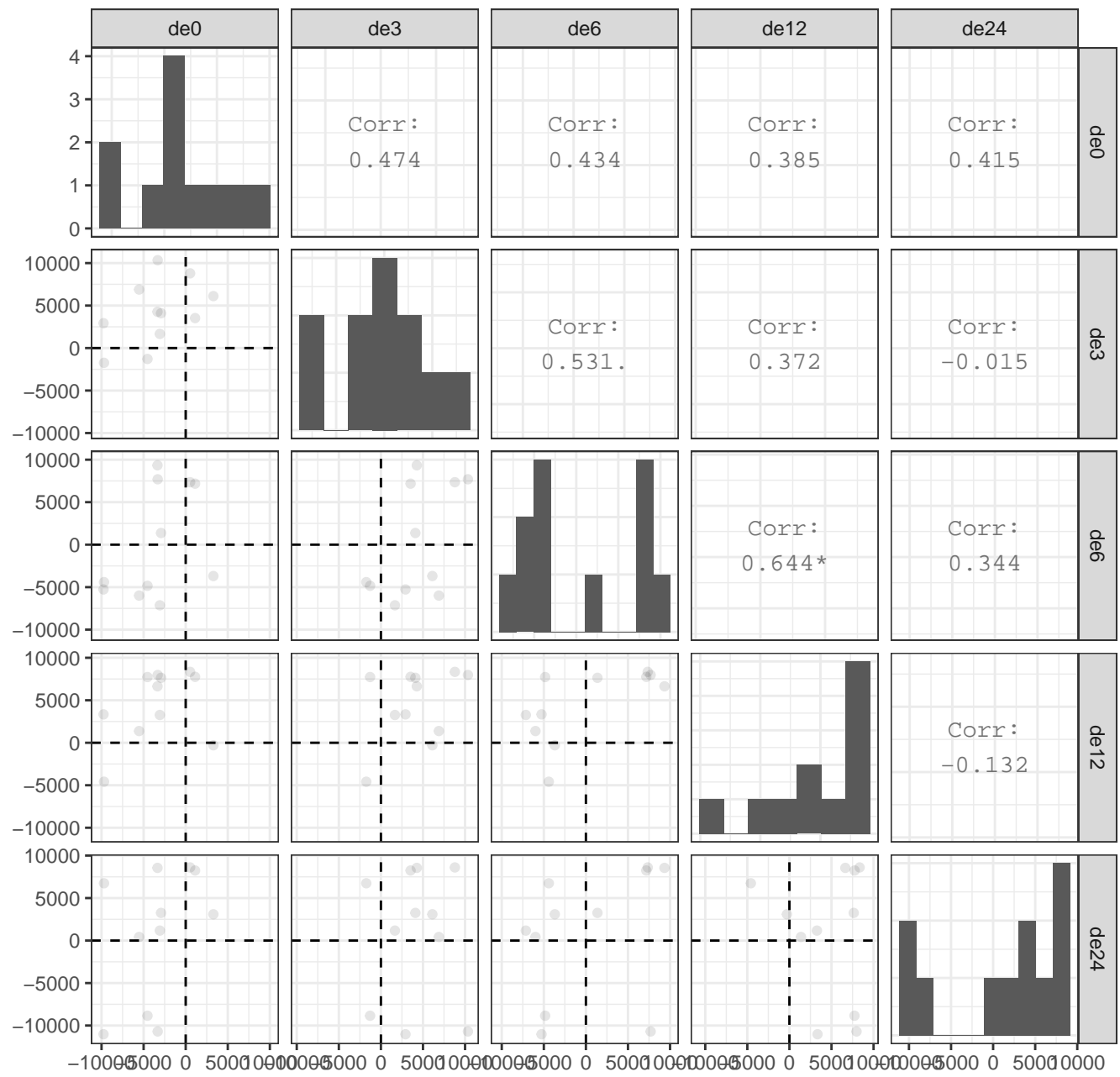
# PROTEIN\_DEGRADATION\_AAA\_TYPE



# PROTEIN\_POSTTRANSLATIONAL\_MODIFICATION\_KINASE\_RECEPTOR\_LIKE

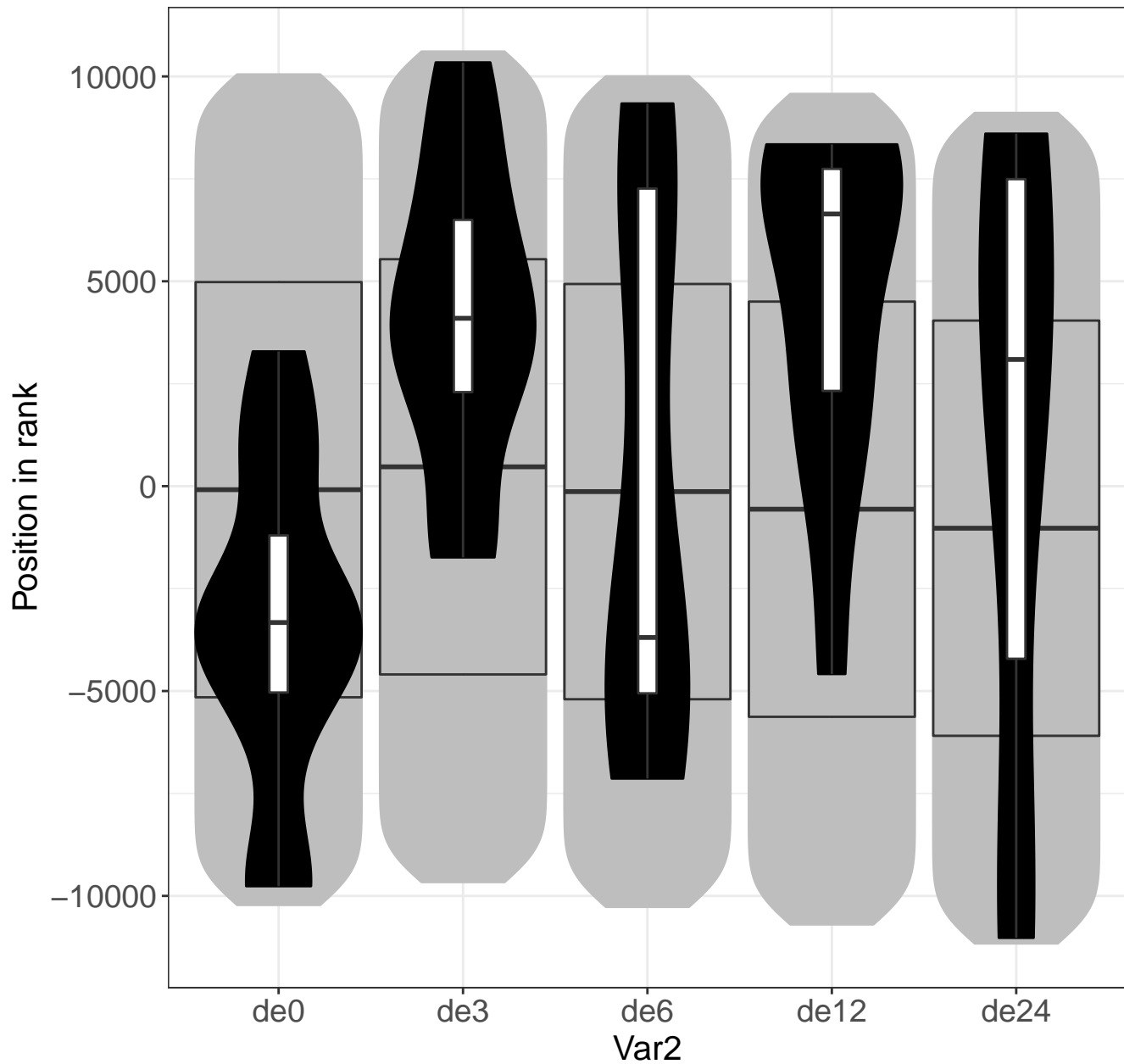


# PROTEIN\_POSTTRANSLATIONAL\_MODIFICATION\_KINASE\_RECEPTOR\_LIKE

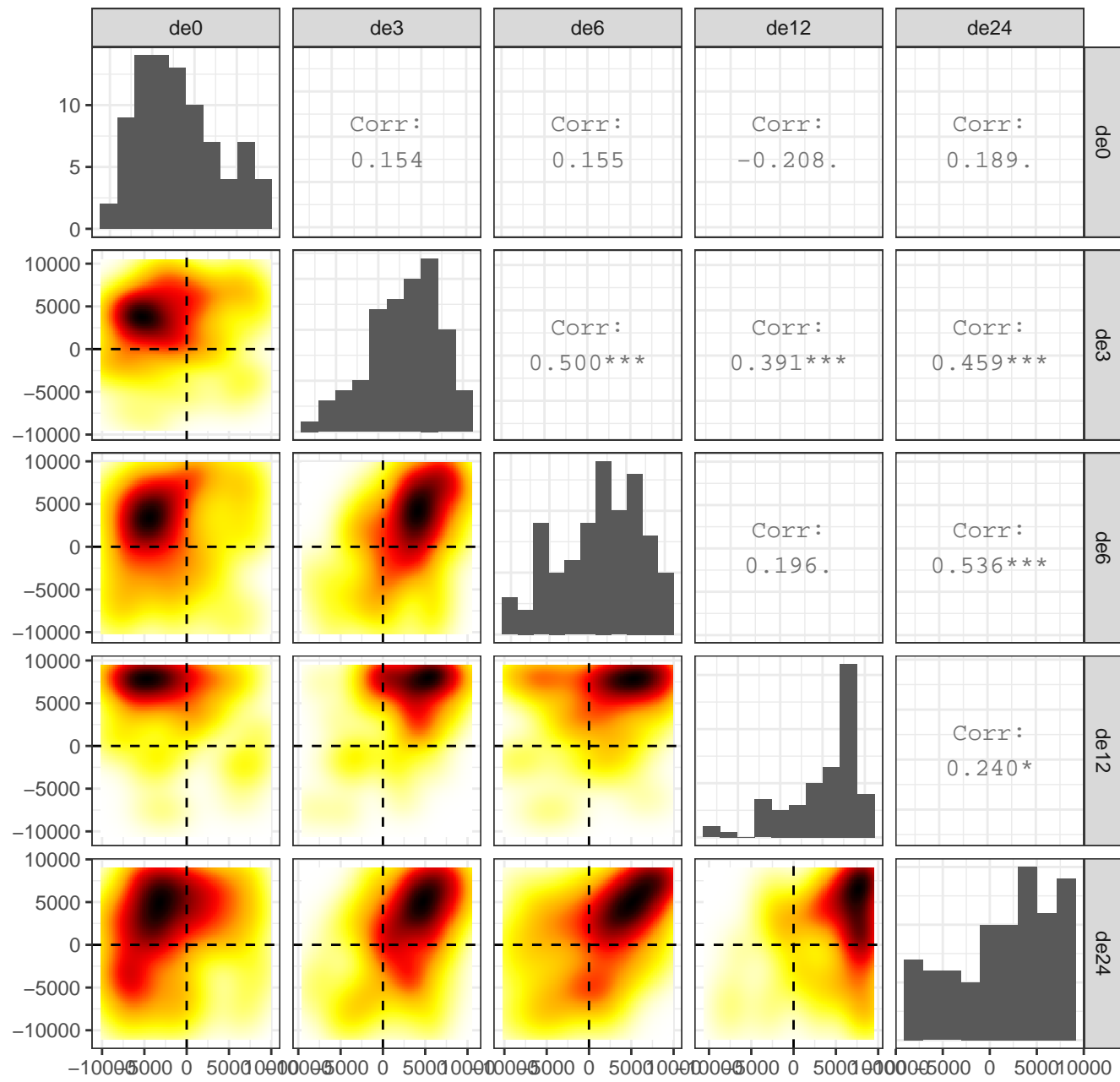




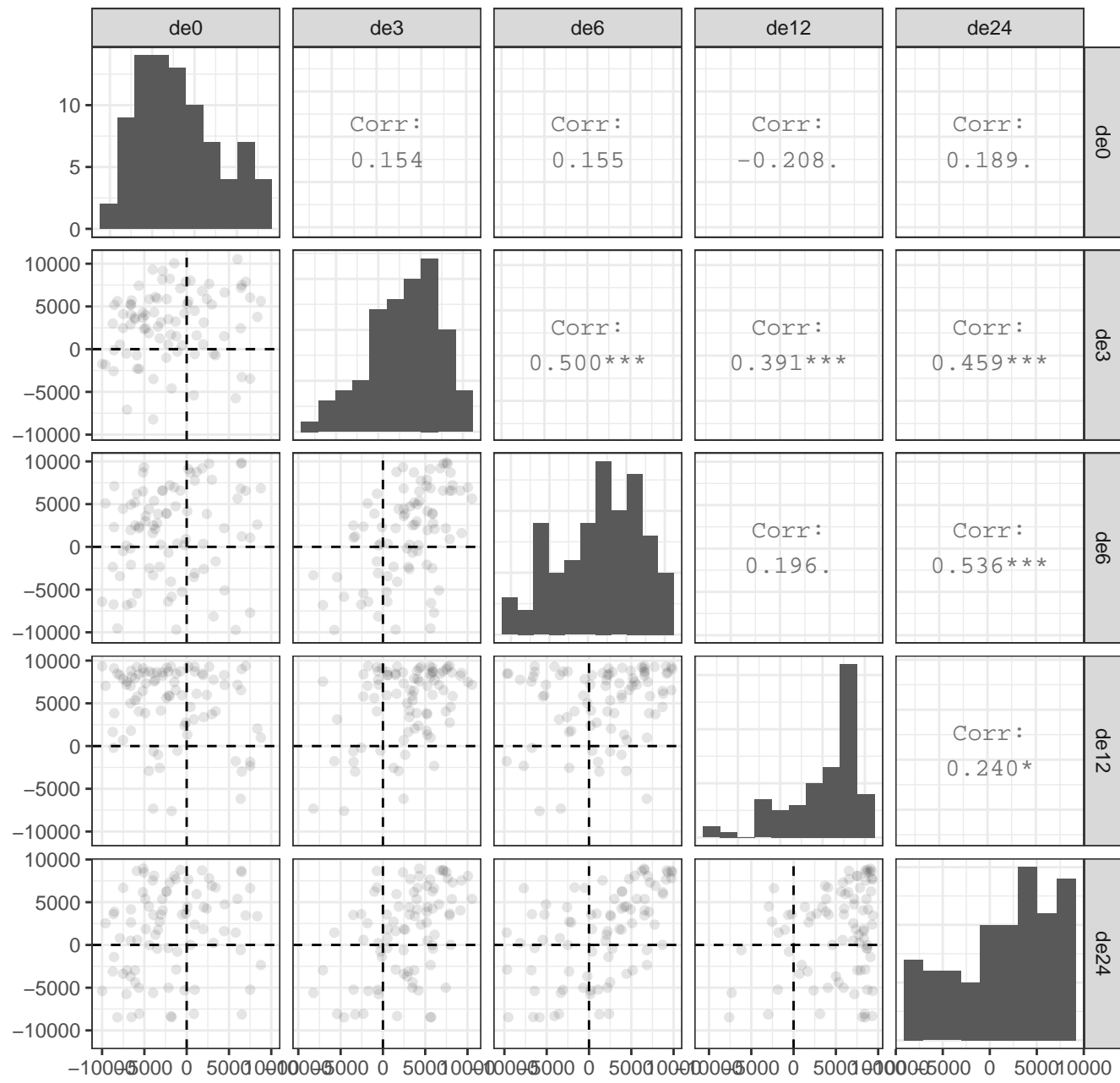
# PROTEIN\_POSTRANSLATIONAL\_MODIFICATION



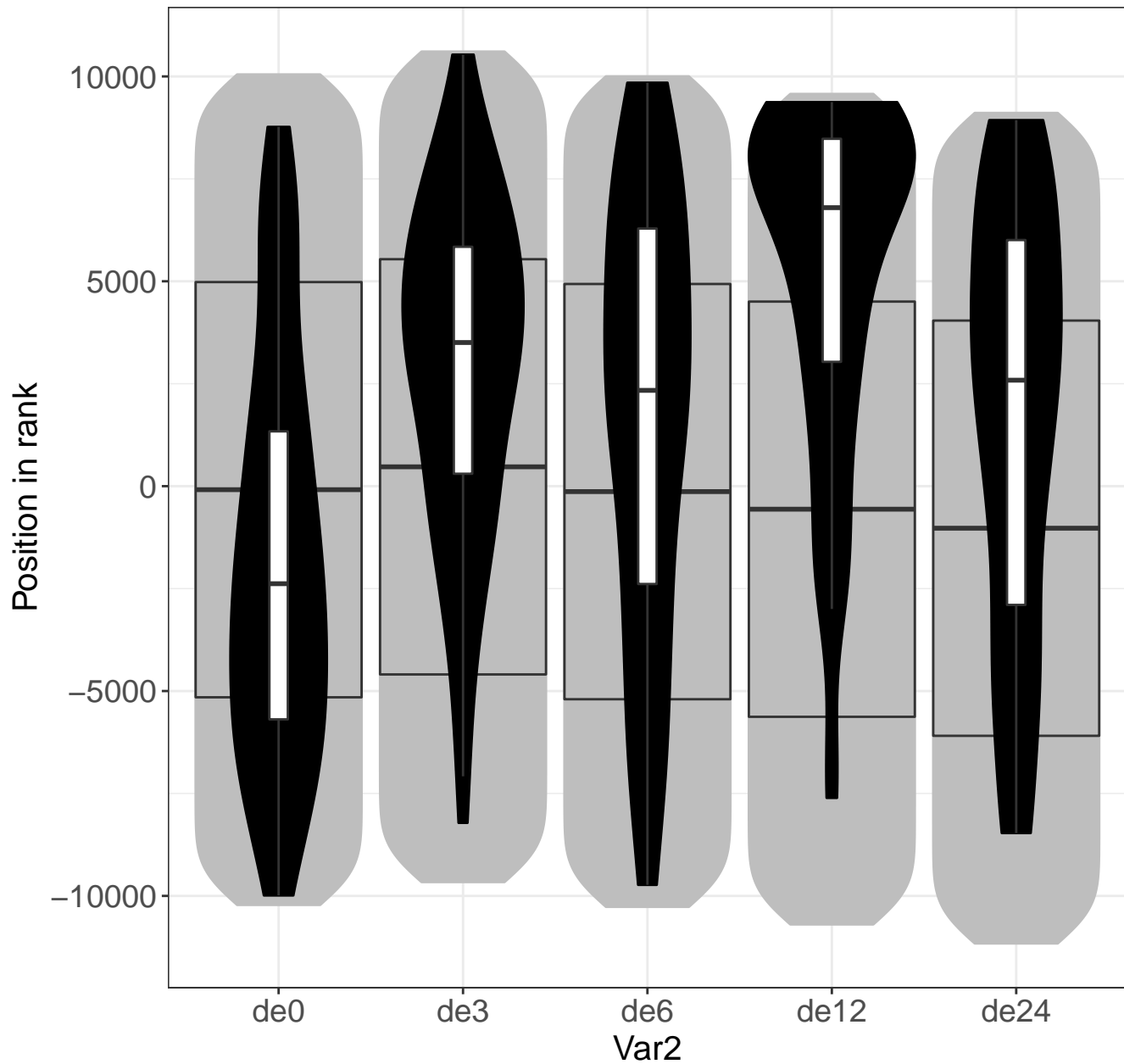
# NOT\_ASSIGNED\_NO\_ONTOLOGY\_DC1\_DOMAIN\_CONTAINING\_PROTEIN



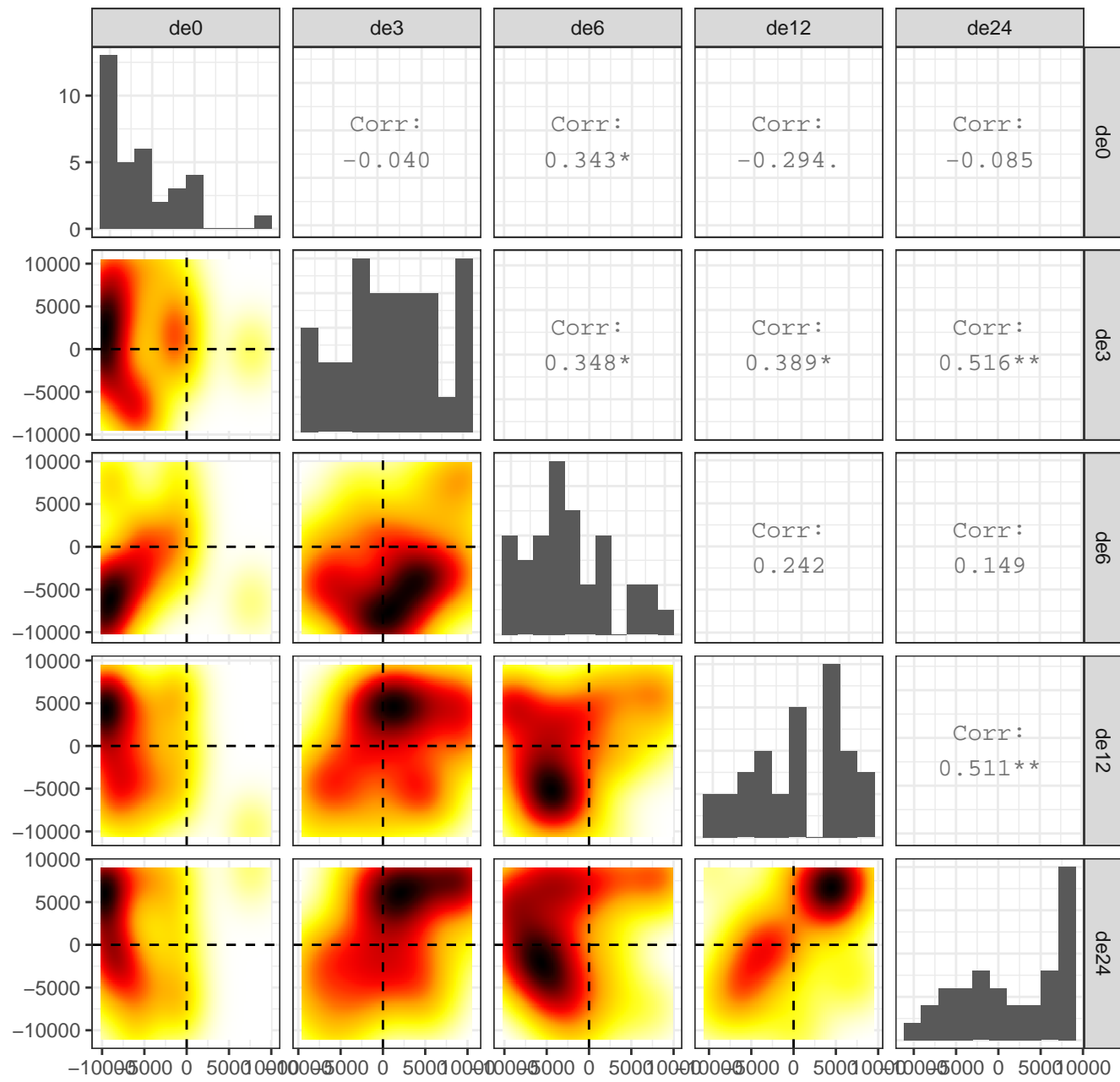
# NOT\_ASSIGNED\_NO\_ONTOLOGY\_DC1\_DOMAIN\_CONTAINING\_PROTEIN



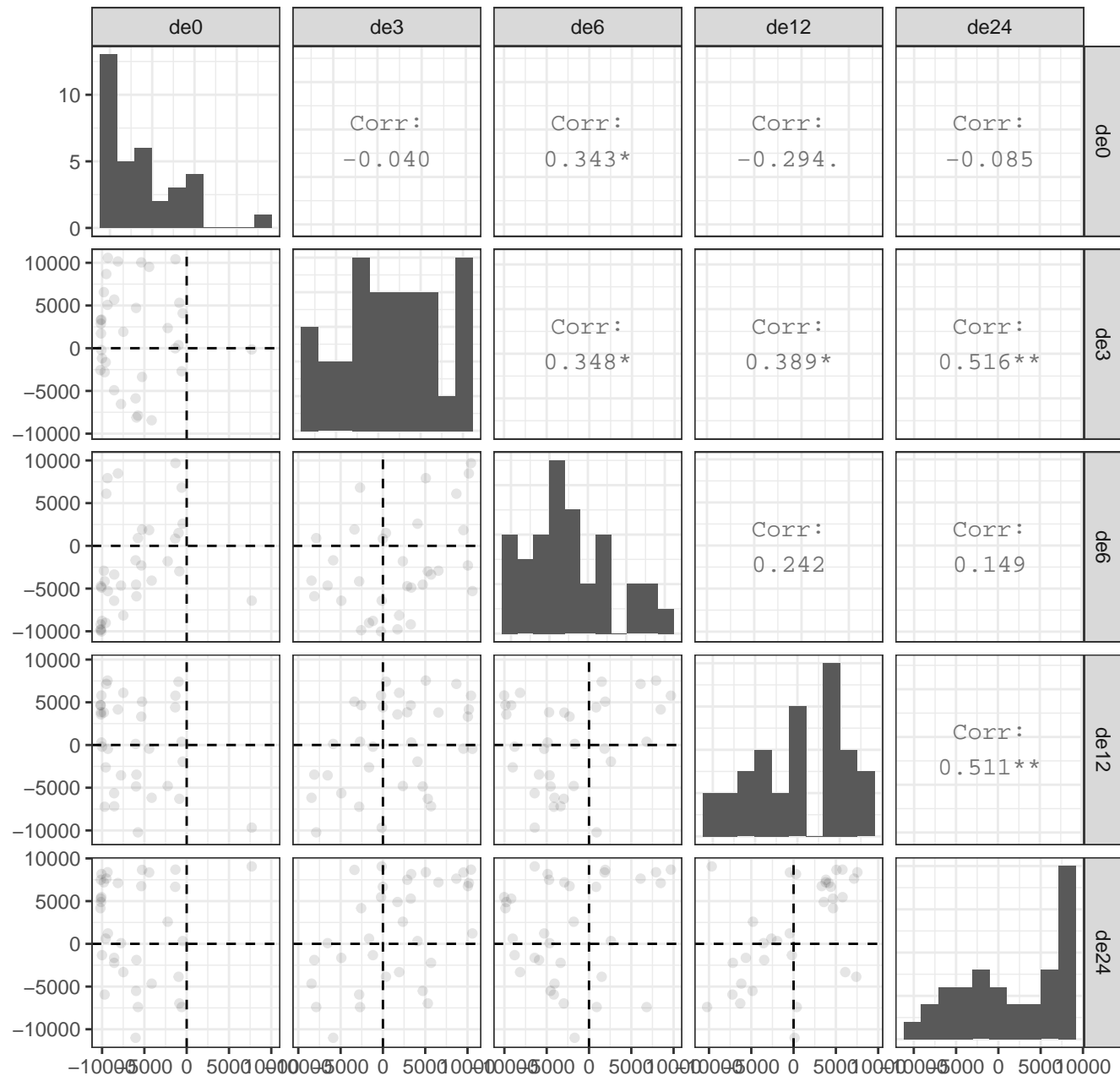
## NOT\_ASSIGNED\_NO\_ONTOLOGY\_DC1\_DOM



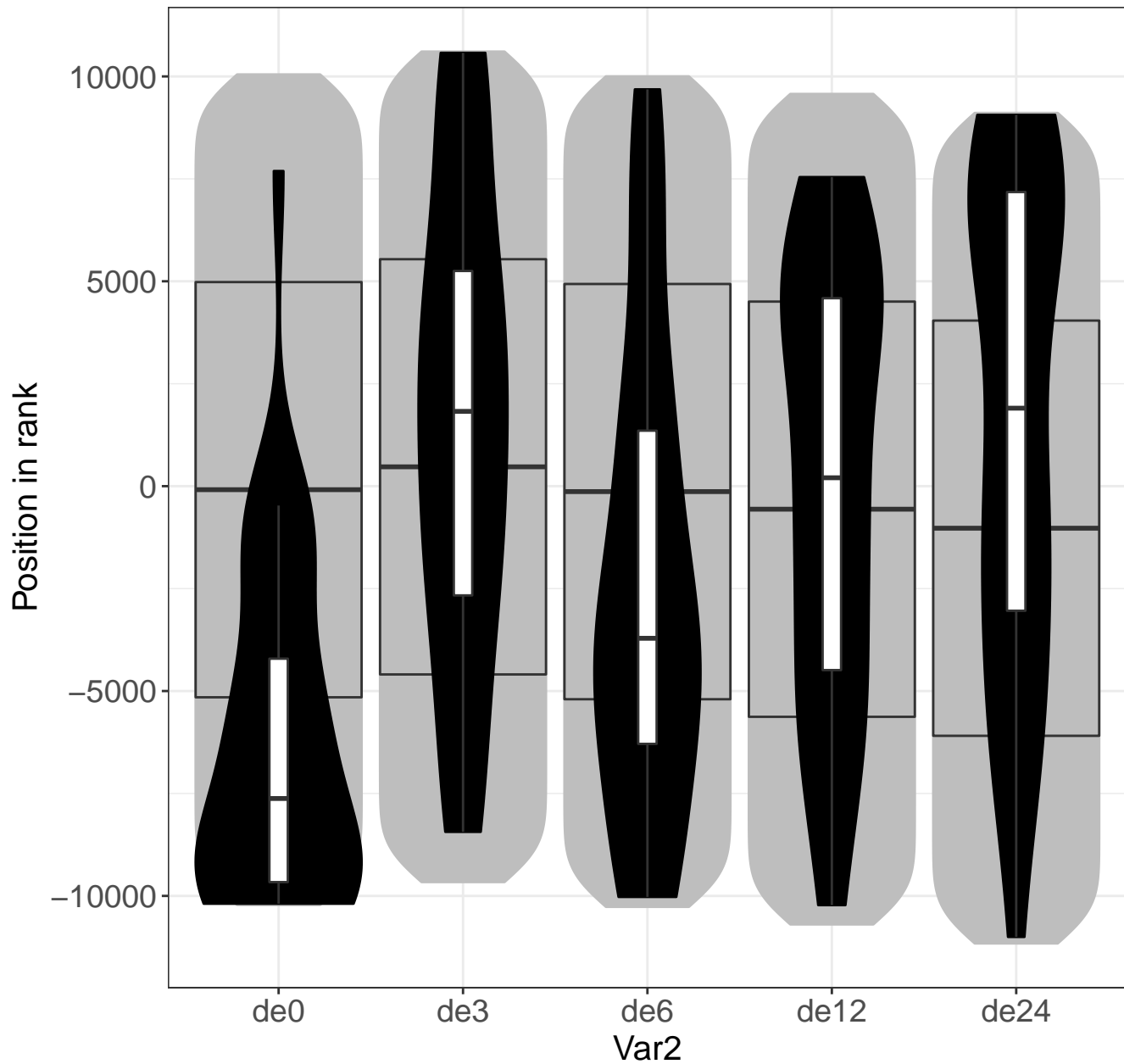
# NOT\_ASSIGNED\_NO\_ONTOLOGY\_PROLINE\_RICH\_FAMILY



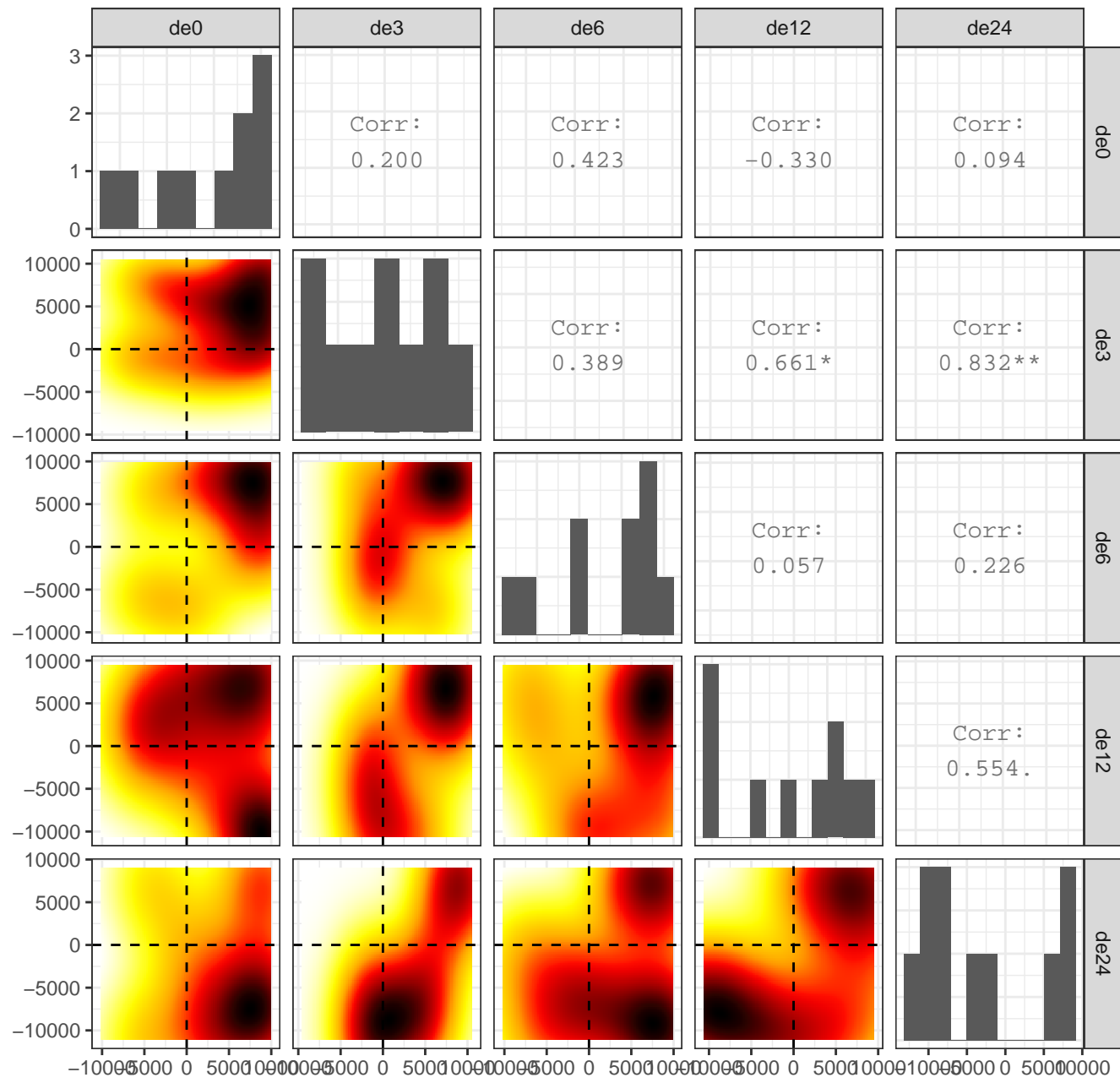
# NOT\_ASSIGNED\_NO\_ONTOLOGY\_PROLINE\_RICH\_FAMILY



# NOT\_ASSIGNED\_NO\_ONTOLOGY\_PROLINE\_

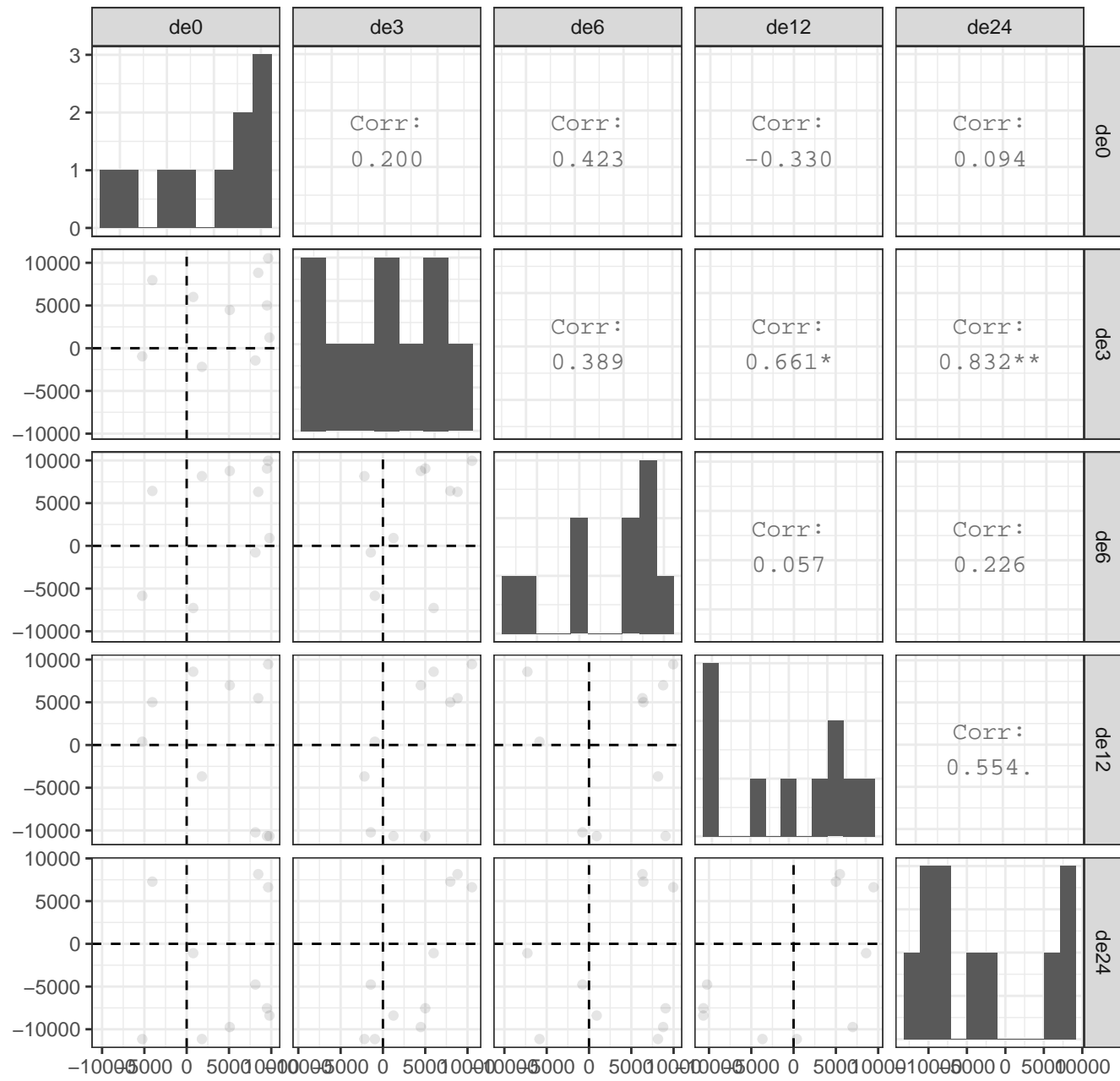


# STRESS\_BIOTIC\_PR-PROTEINS\_PLANT\_DEFENSINS

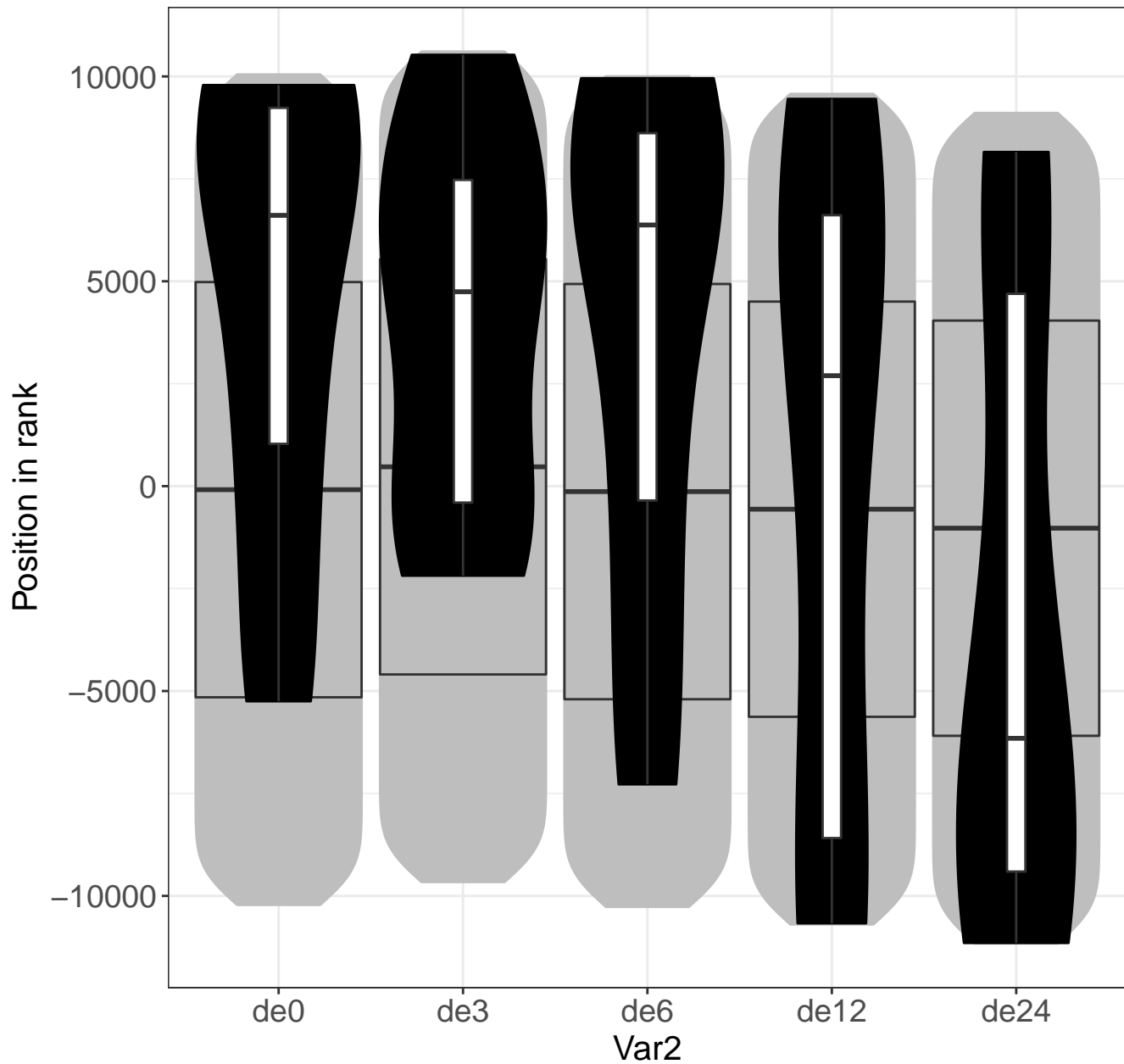




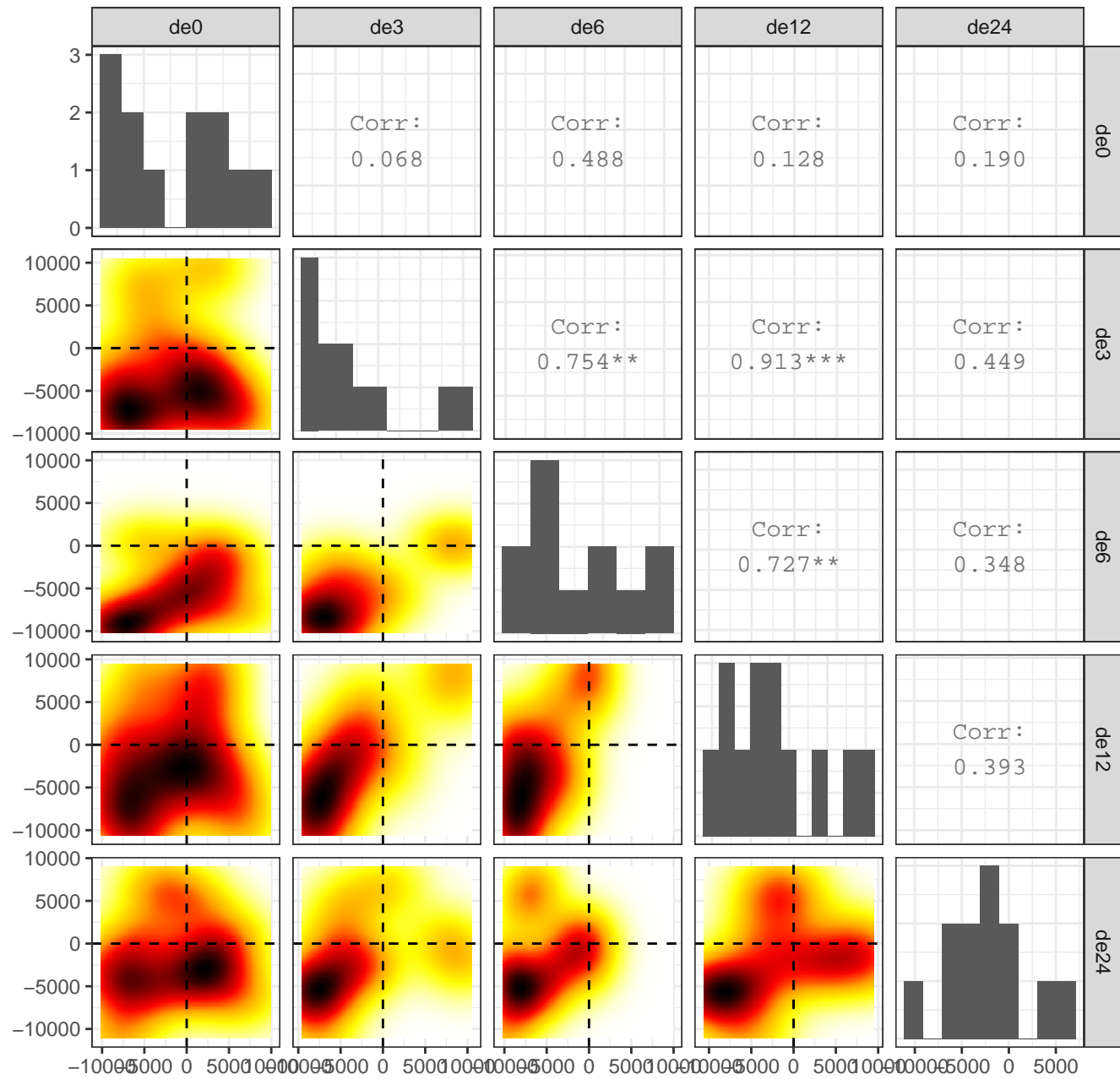
# STRESS\_BIOTIC\_PR-PROTEINS\_PLANT\_DEFENSINS



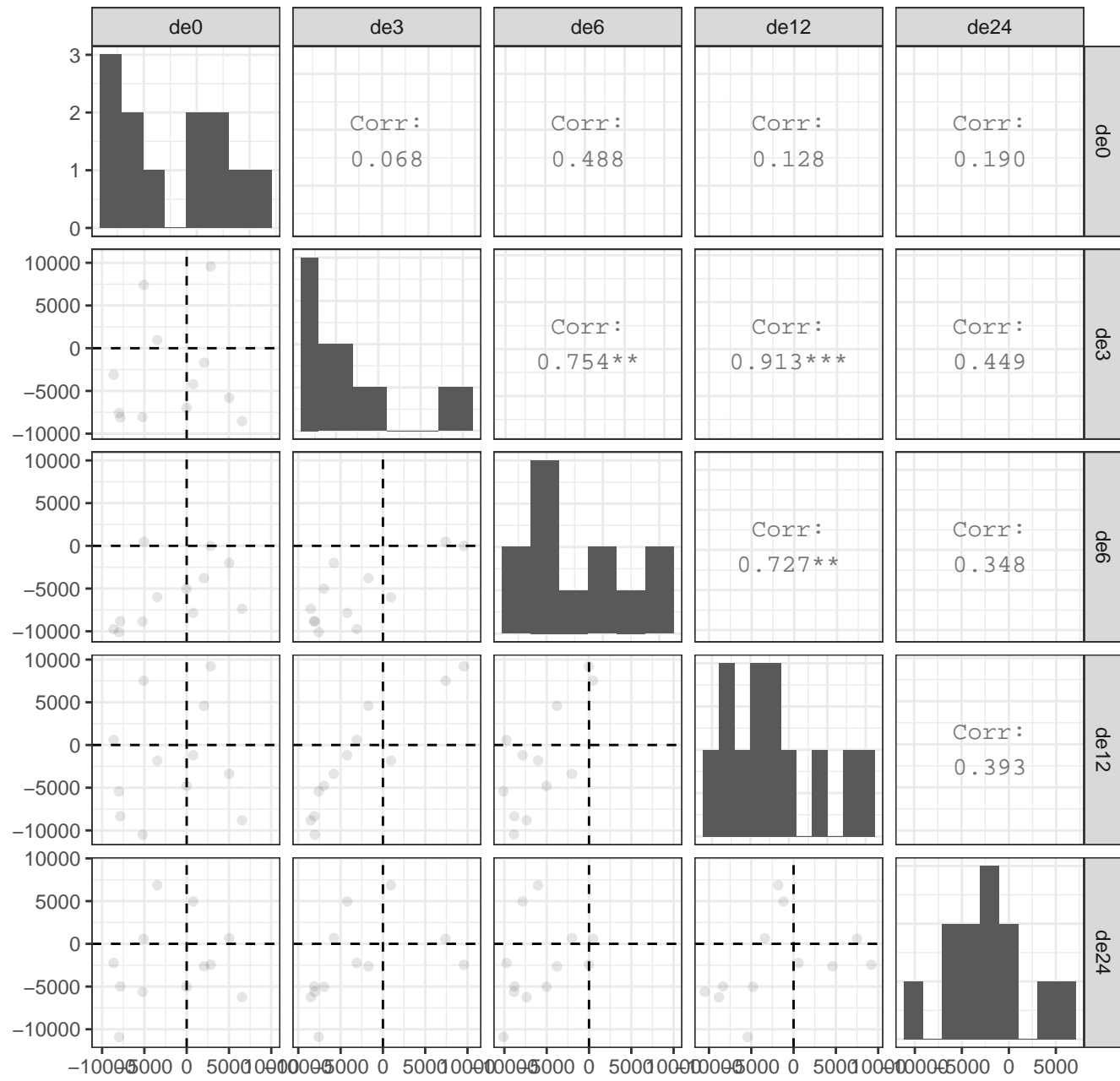
## STRESS\_BIOTIC\_PR-PROTEINS\_PLANT\_DEF



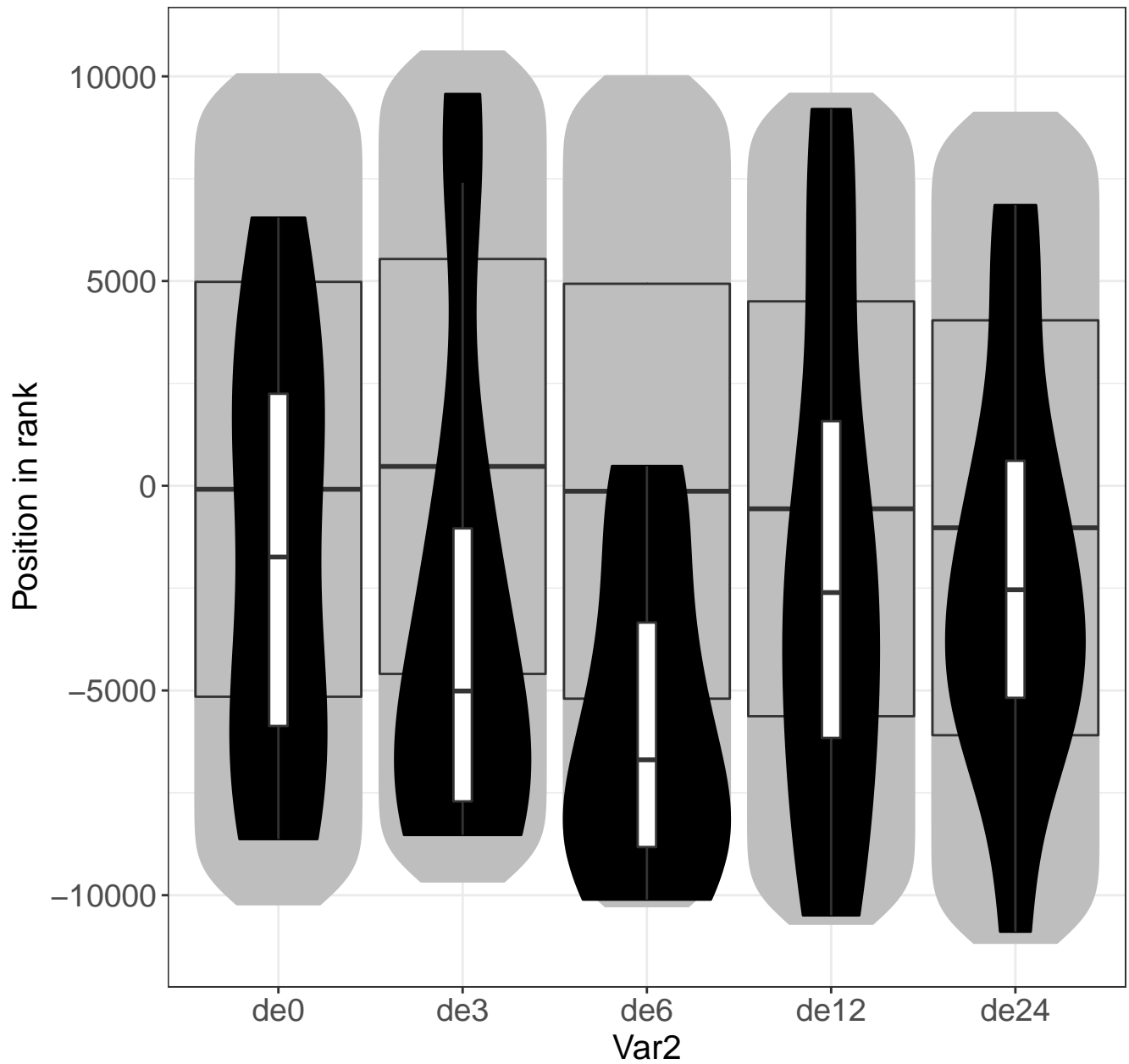
# PROTEIN\_DEGRADATION\_CYSTEINE\_PROTEASE



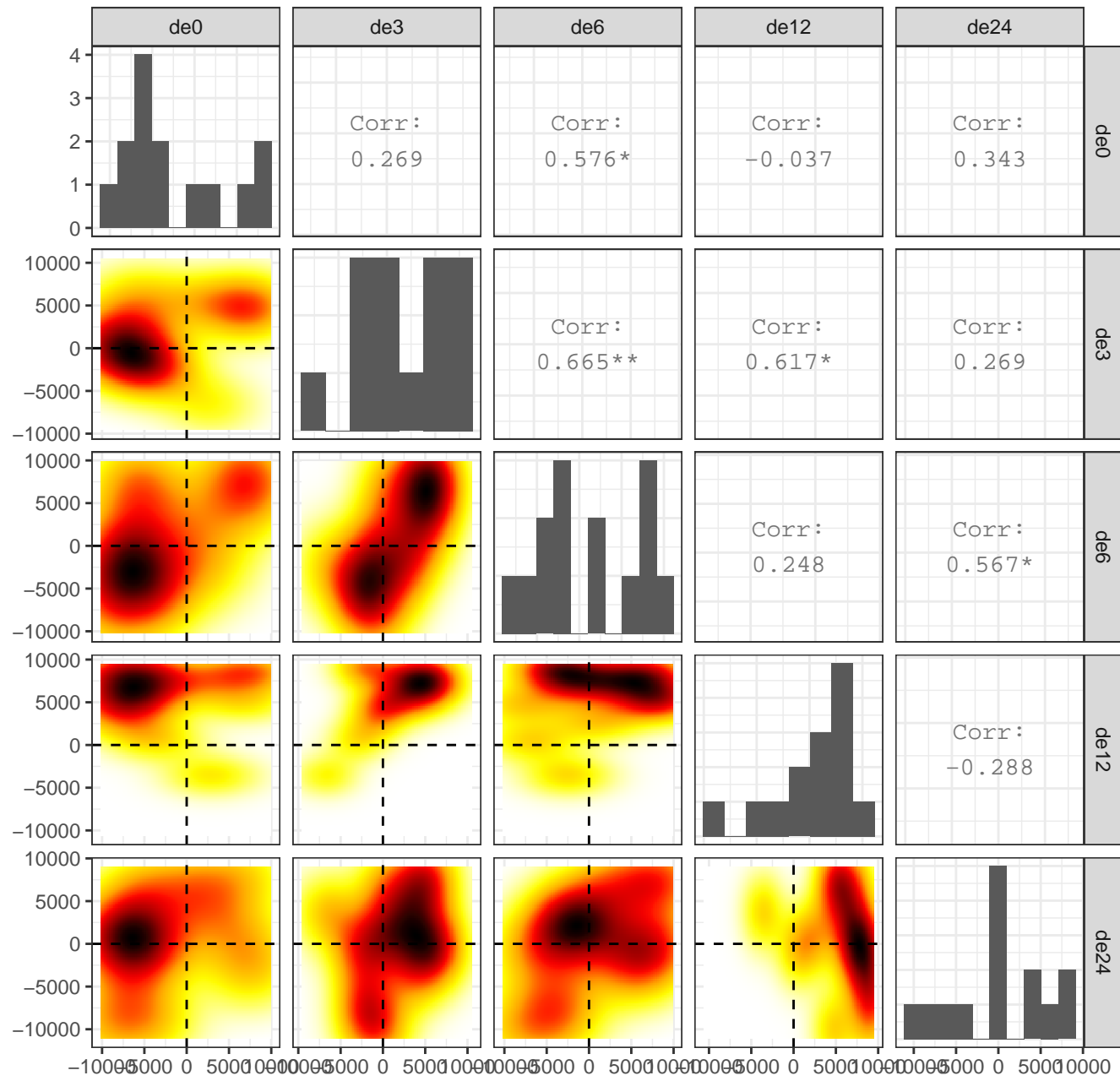
# PROTEIN\_DEGRADATION\_CYSTEINE\_PROTEASE



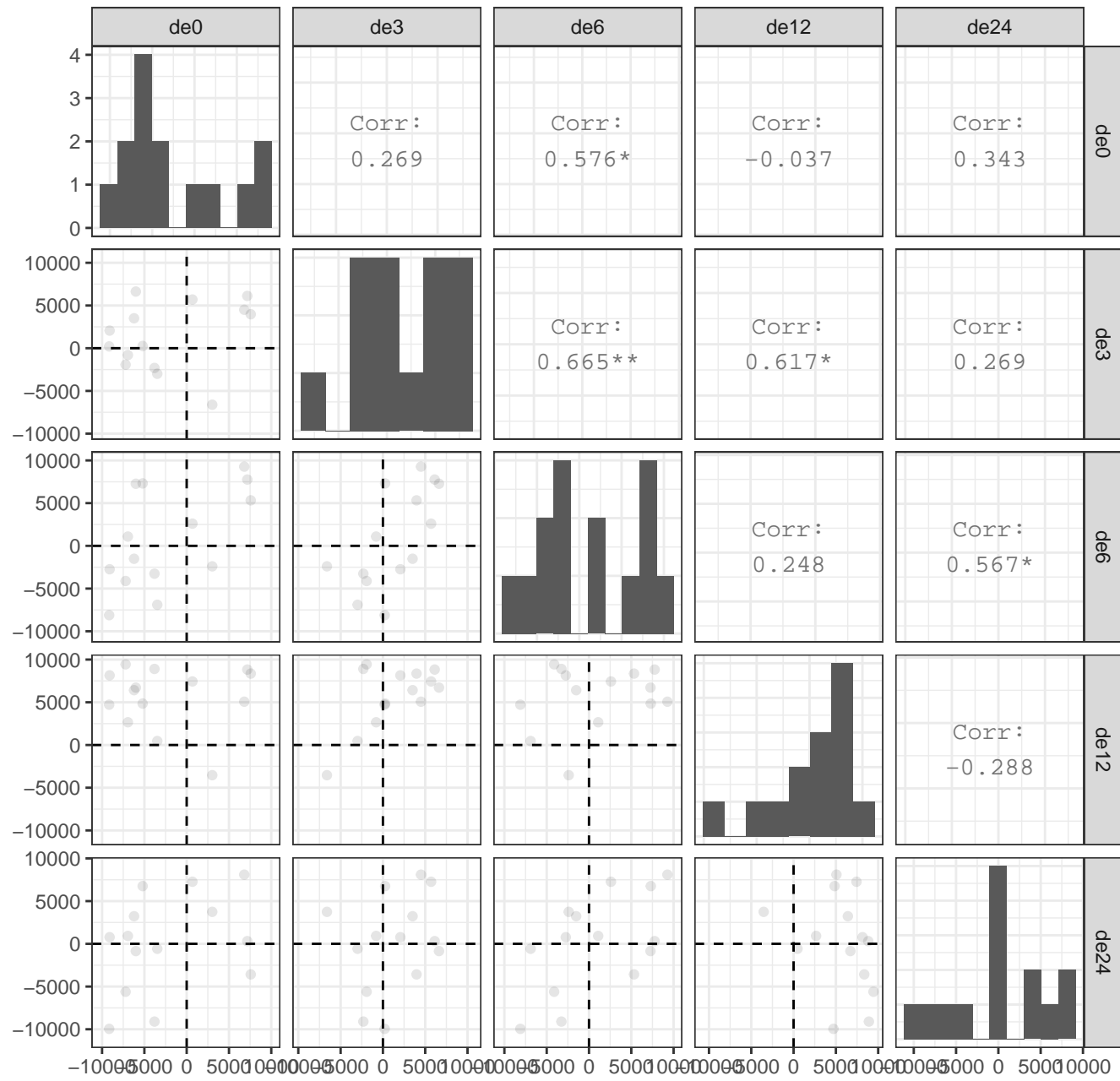
# PROTEIN\_DEGRADATION\_CYSTEINE\_PROTE



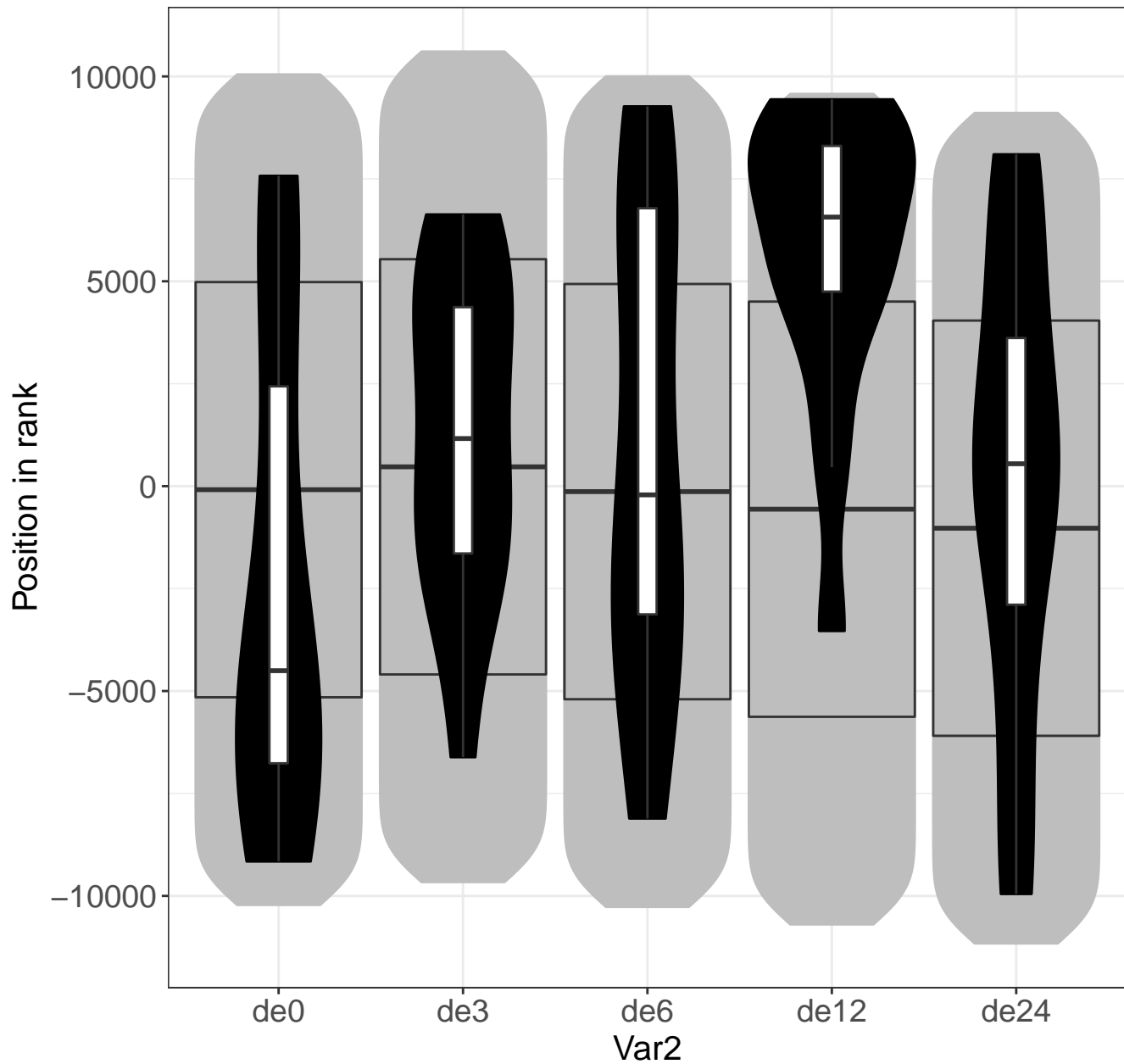
# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE\_RICH\_REPEAT\_I



# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE\_RICH\_REPEAT\_I

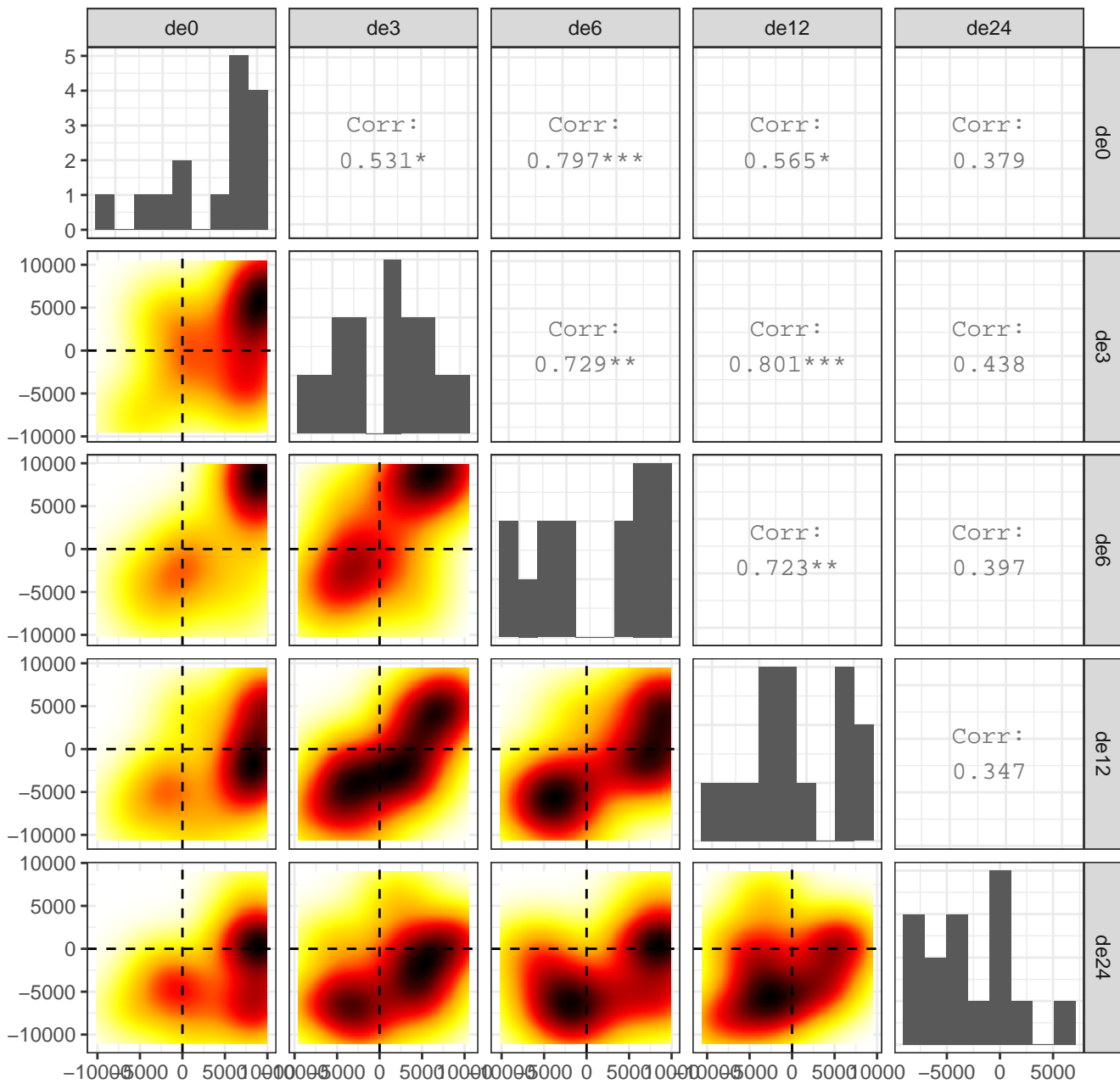


# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE

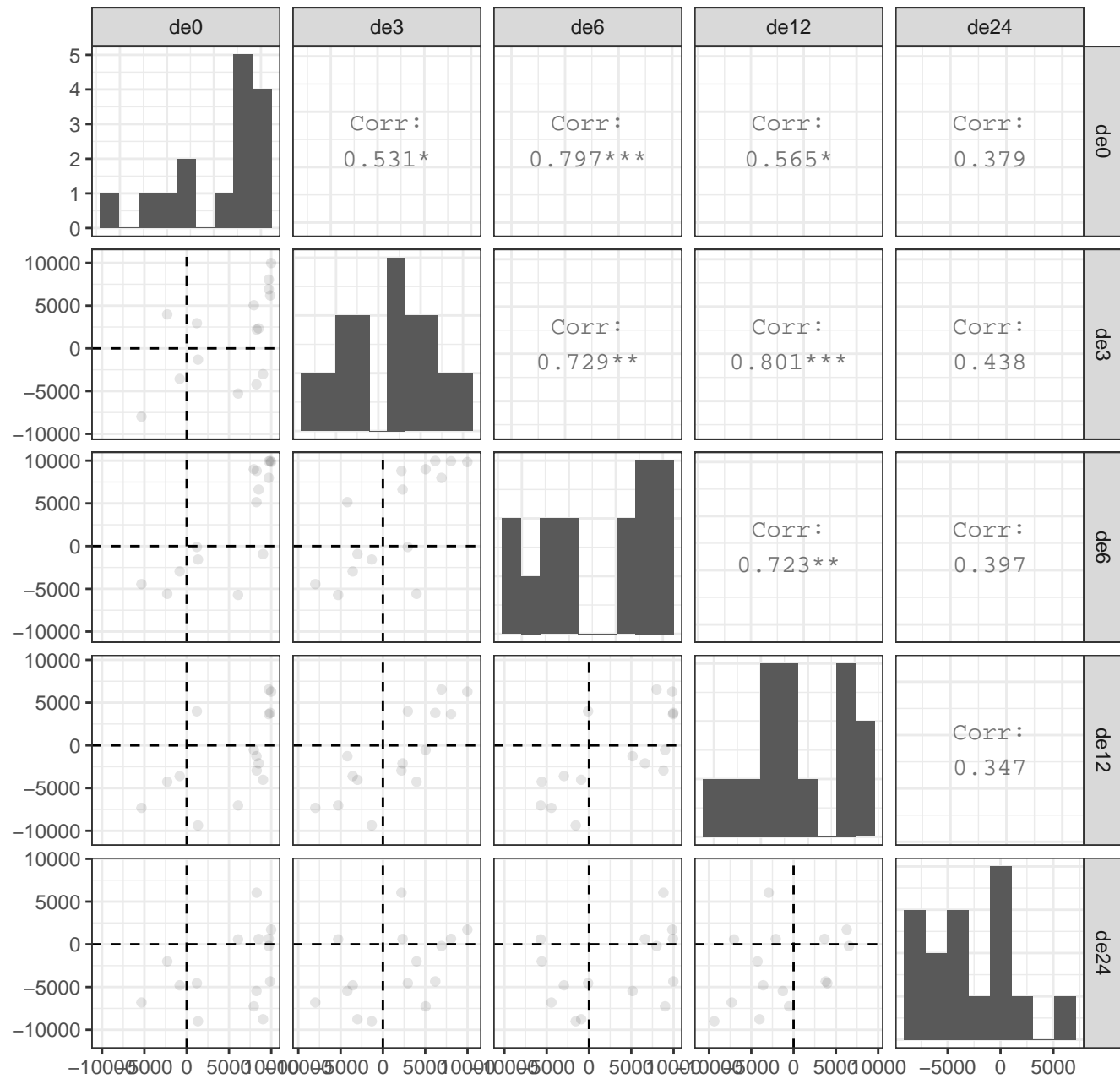




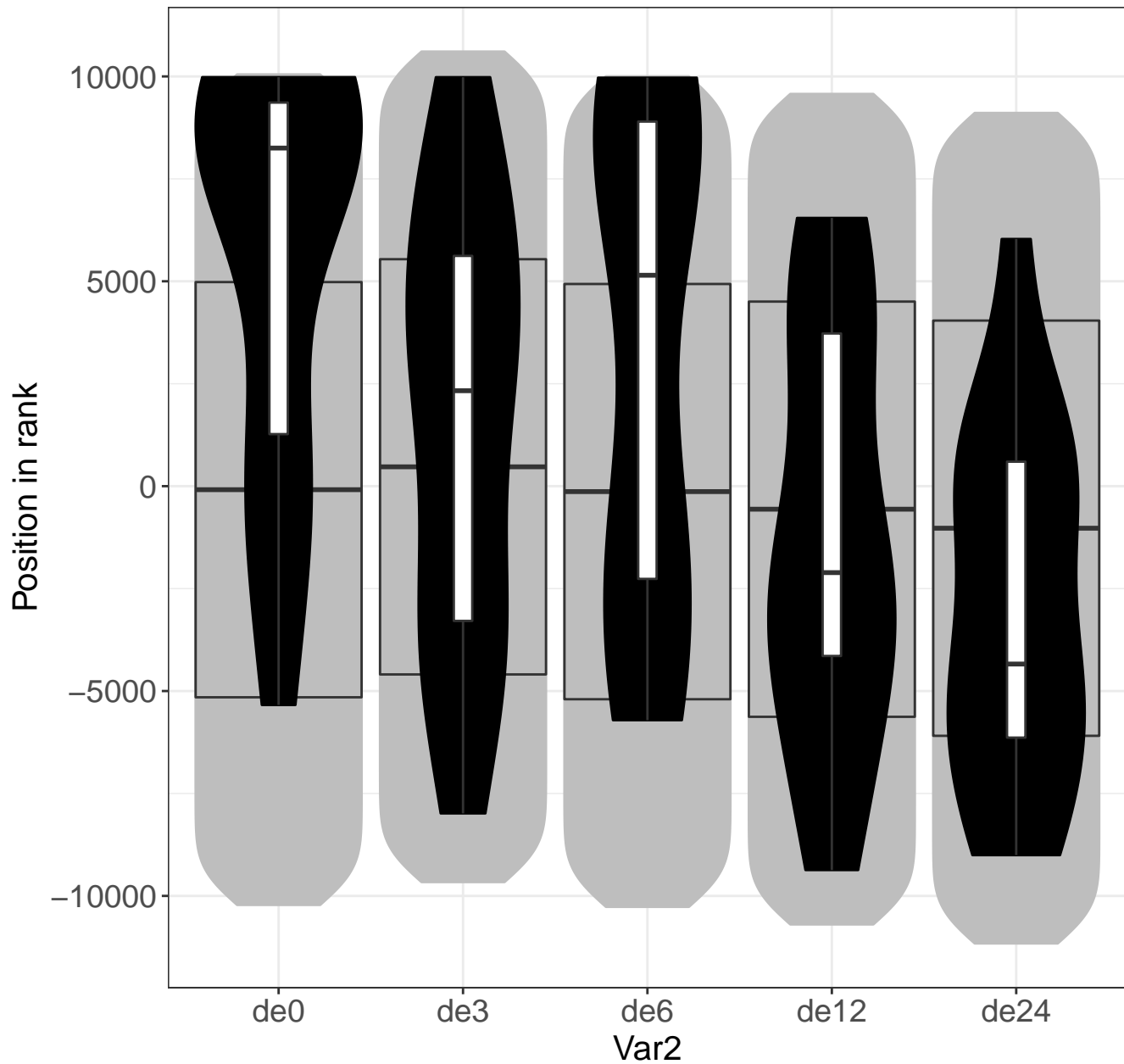
# PROTEIN\_SYNTHESIS\_ELONGATION



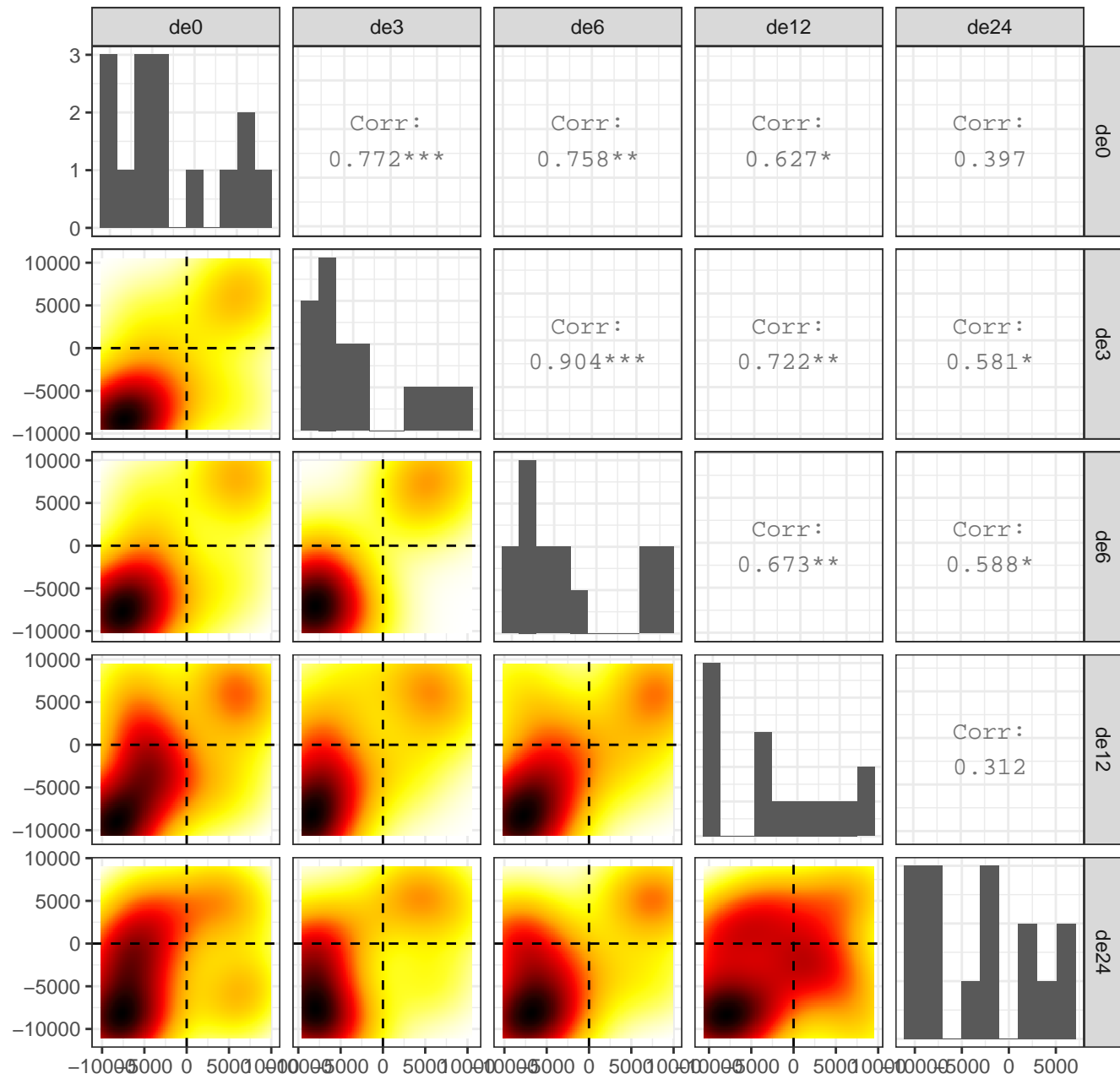
# PROTEIN\_SYNTHESIS\_ELONGATION



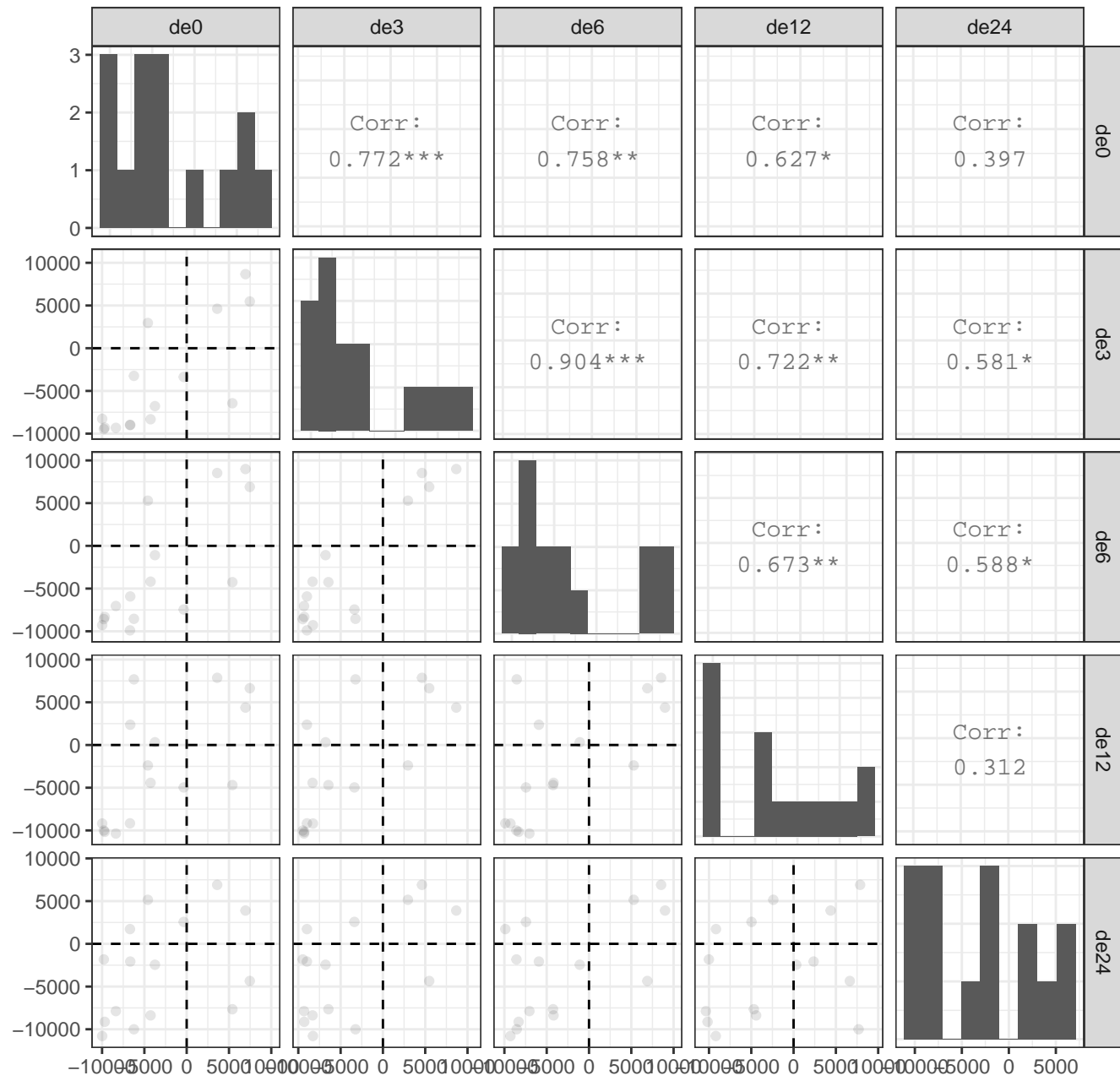
# PROTEIN\_SYNTHESIS\_ELONGATION



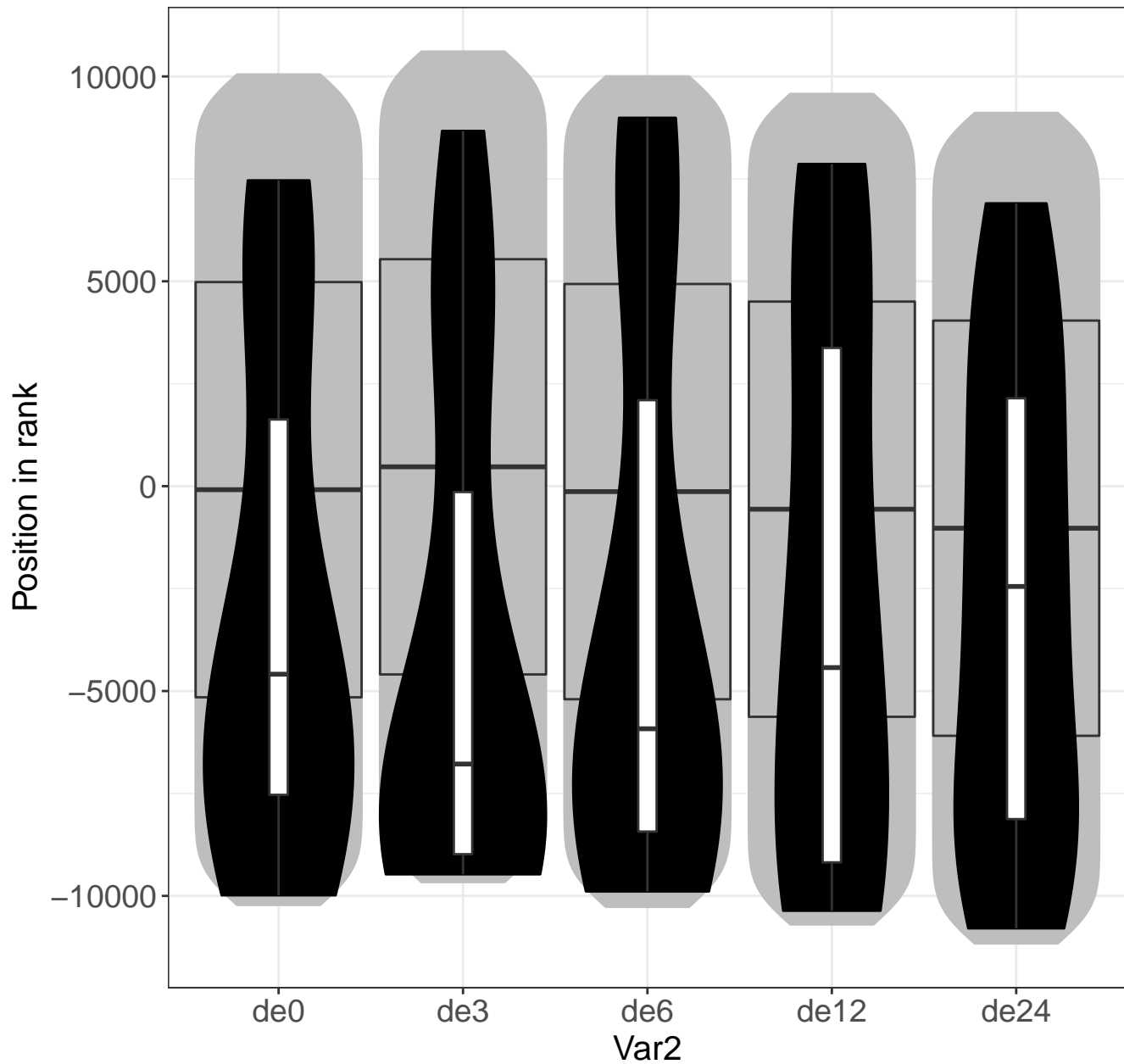
# CELL\_CYCLE



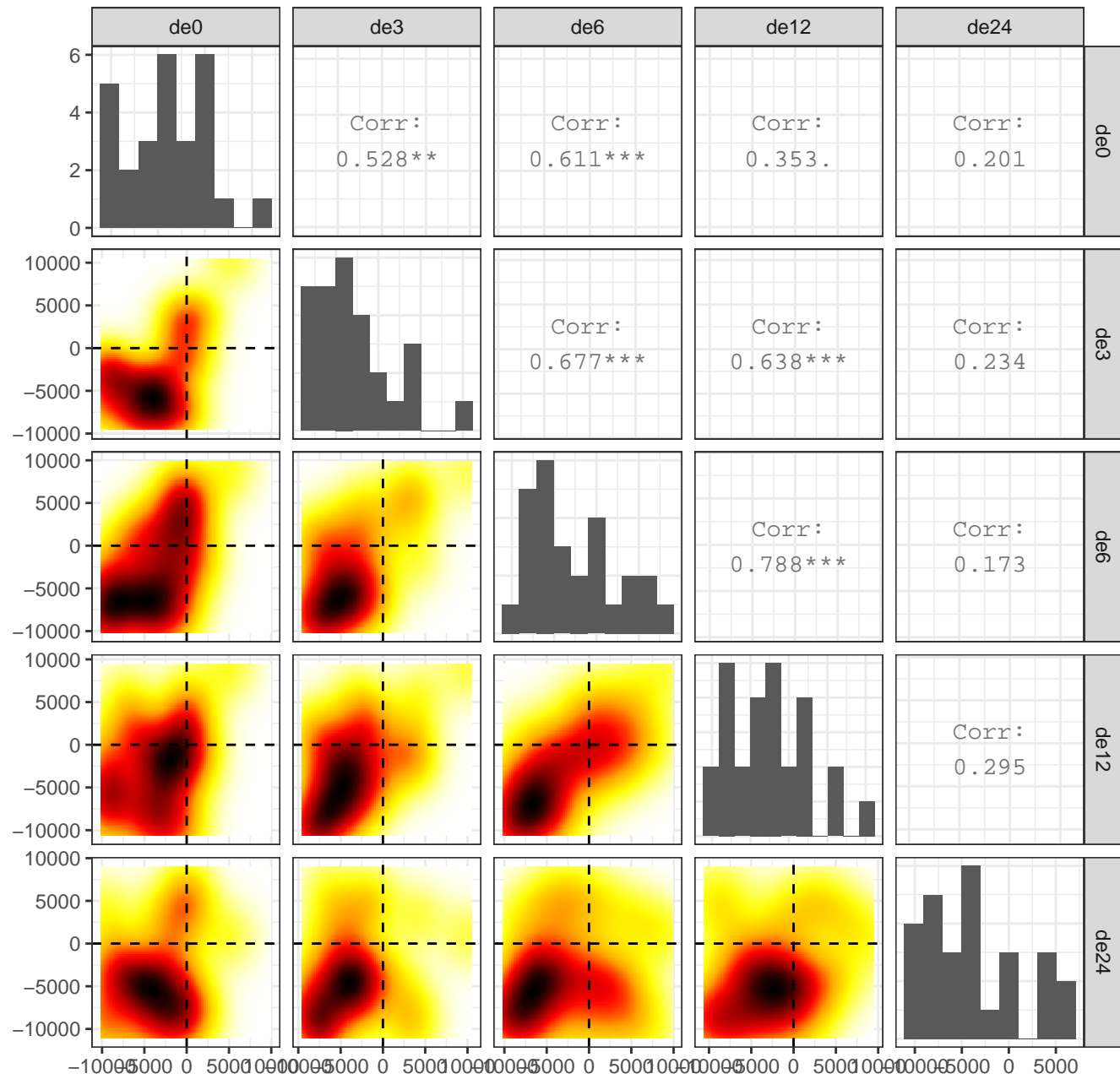
# CELL\_CYCLE



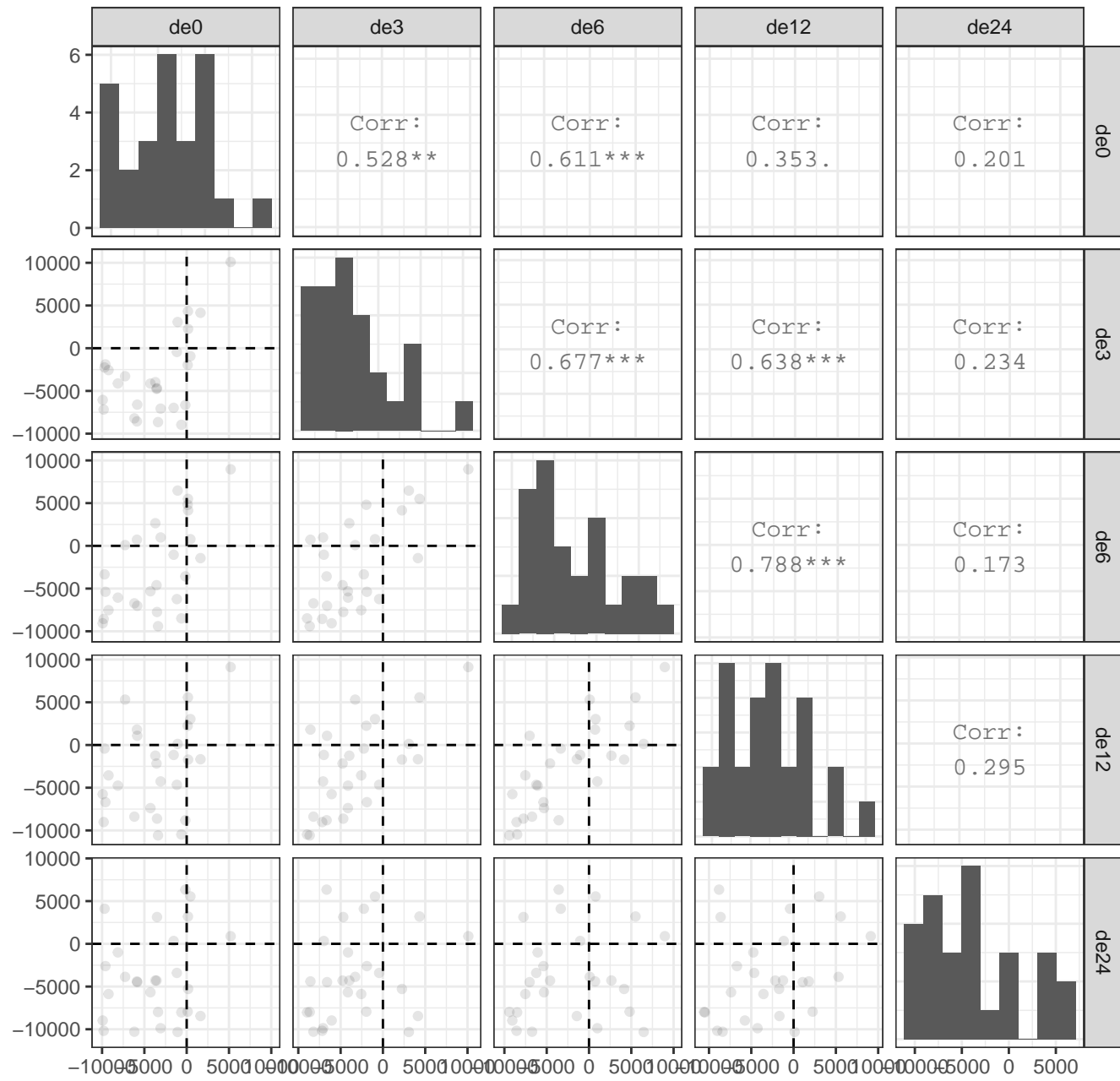
# CELL\_CYCLE



# CELL\_DIVISION

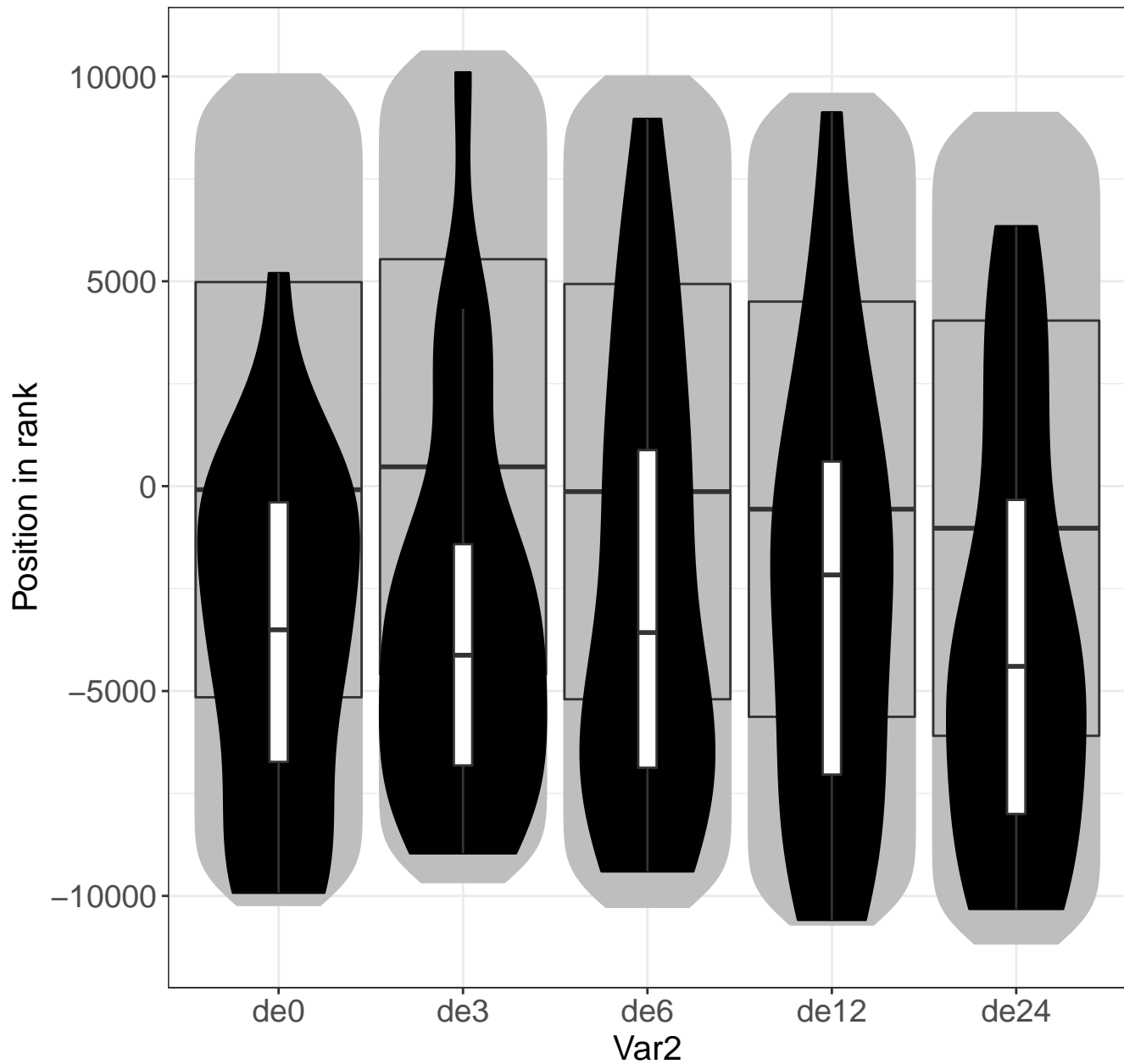


# CELL\_DIVISION

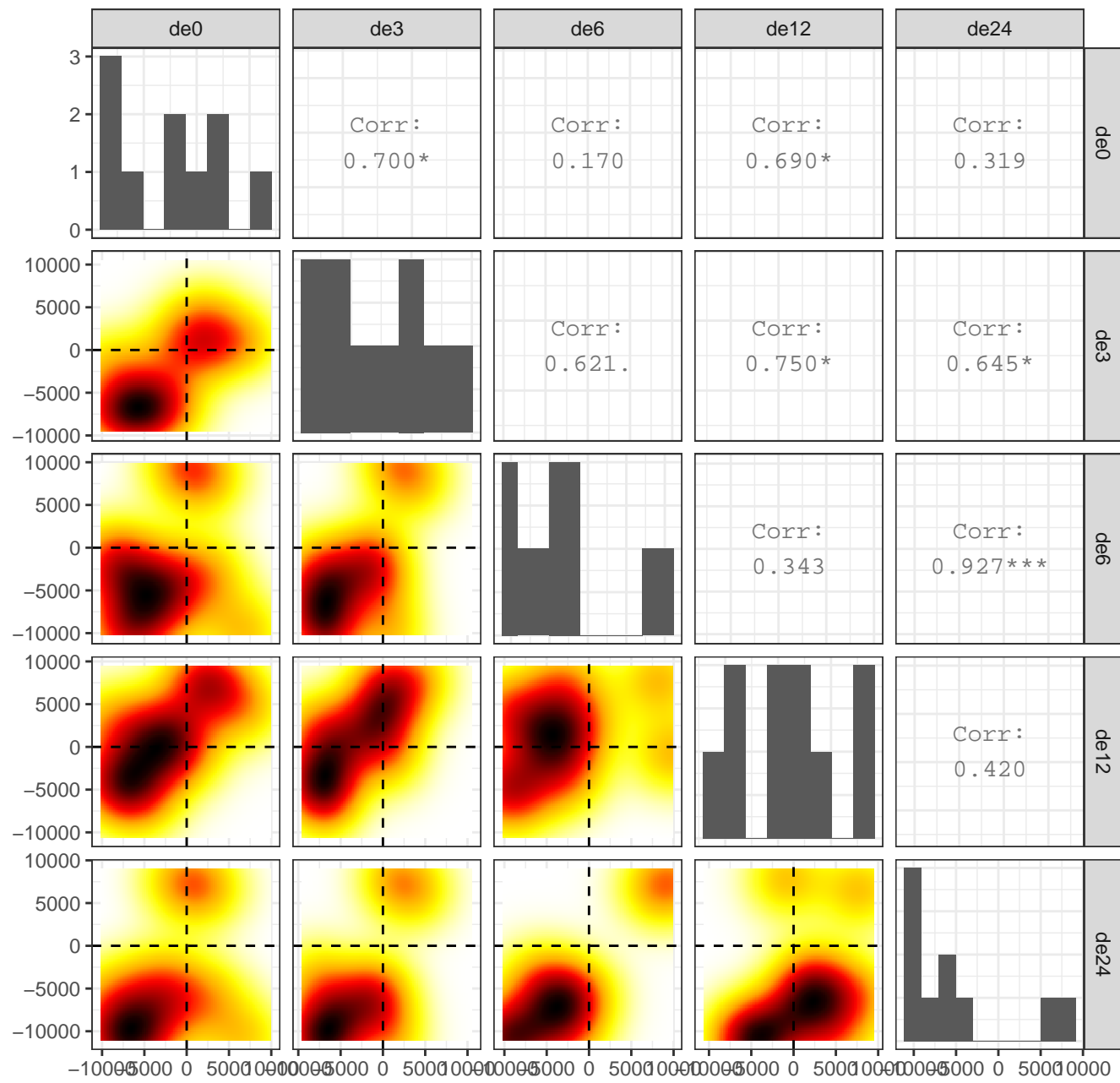




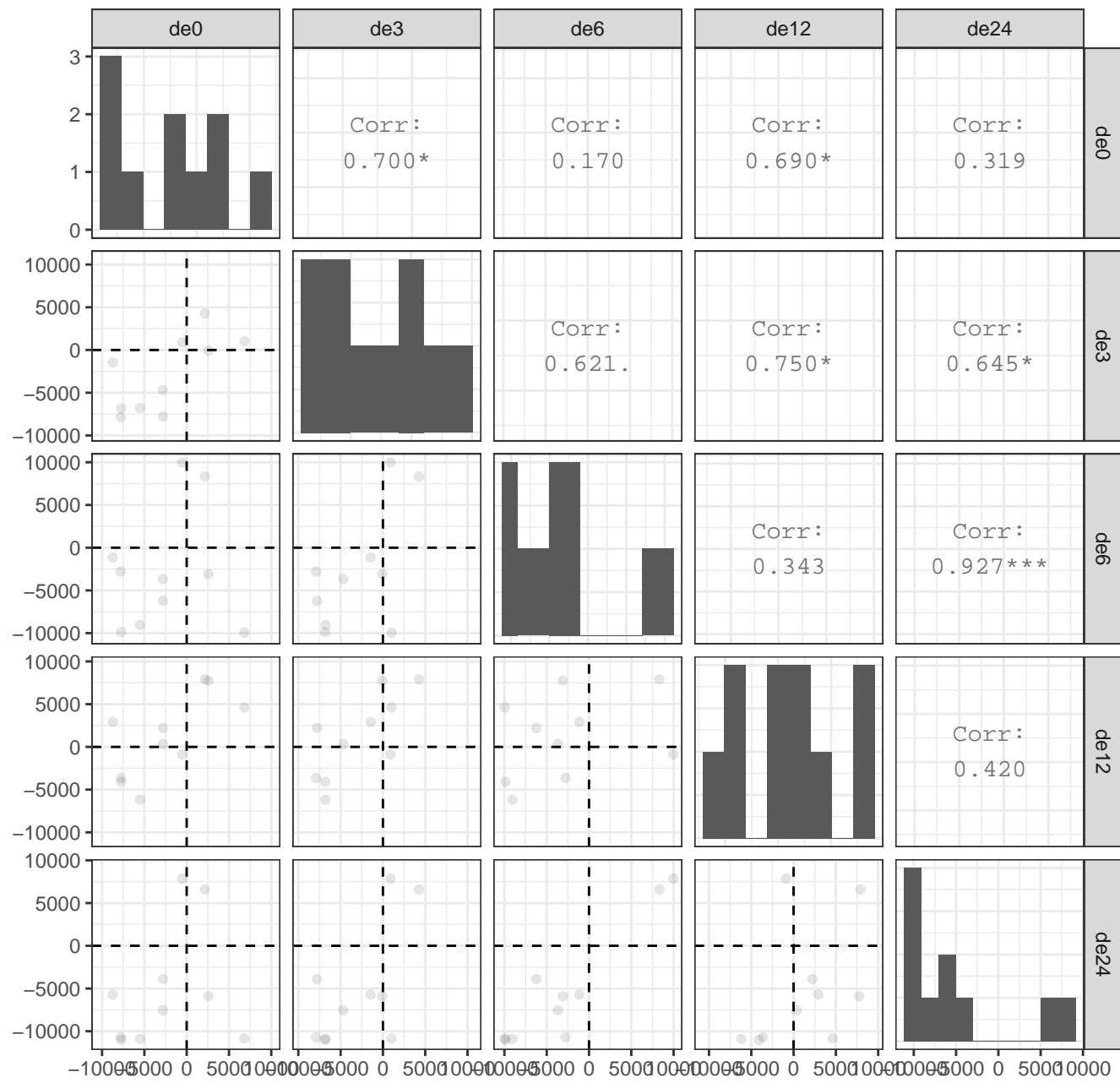
# CELL\_DIVISION



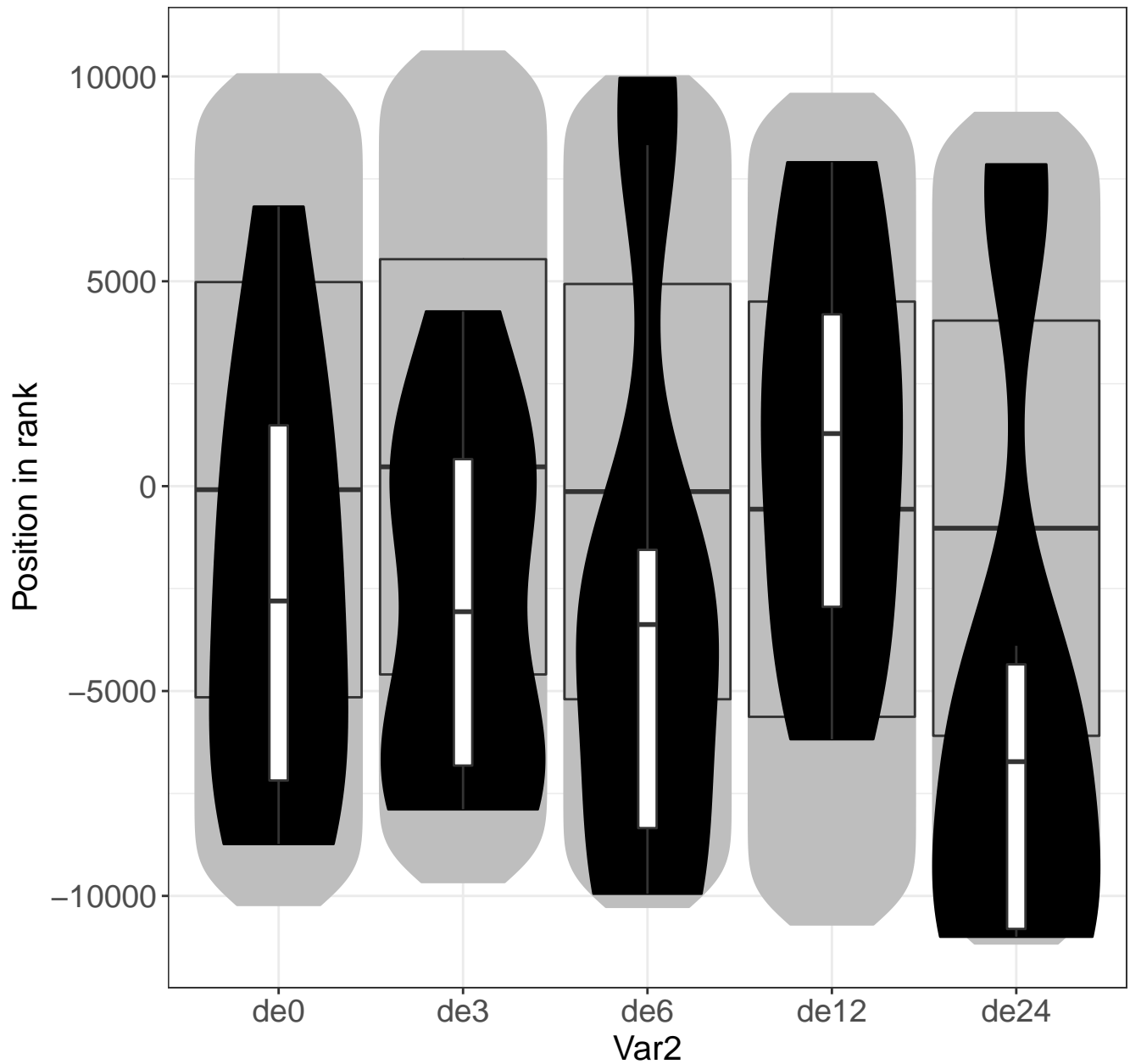
# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE\_RICH\_REPEAT\_VIII\_VIII-2



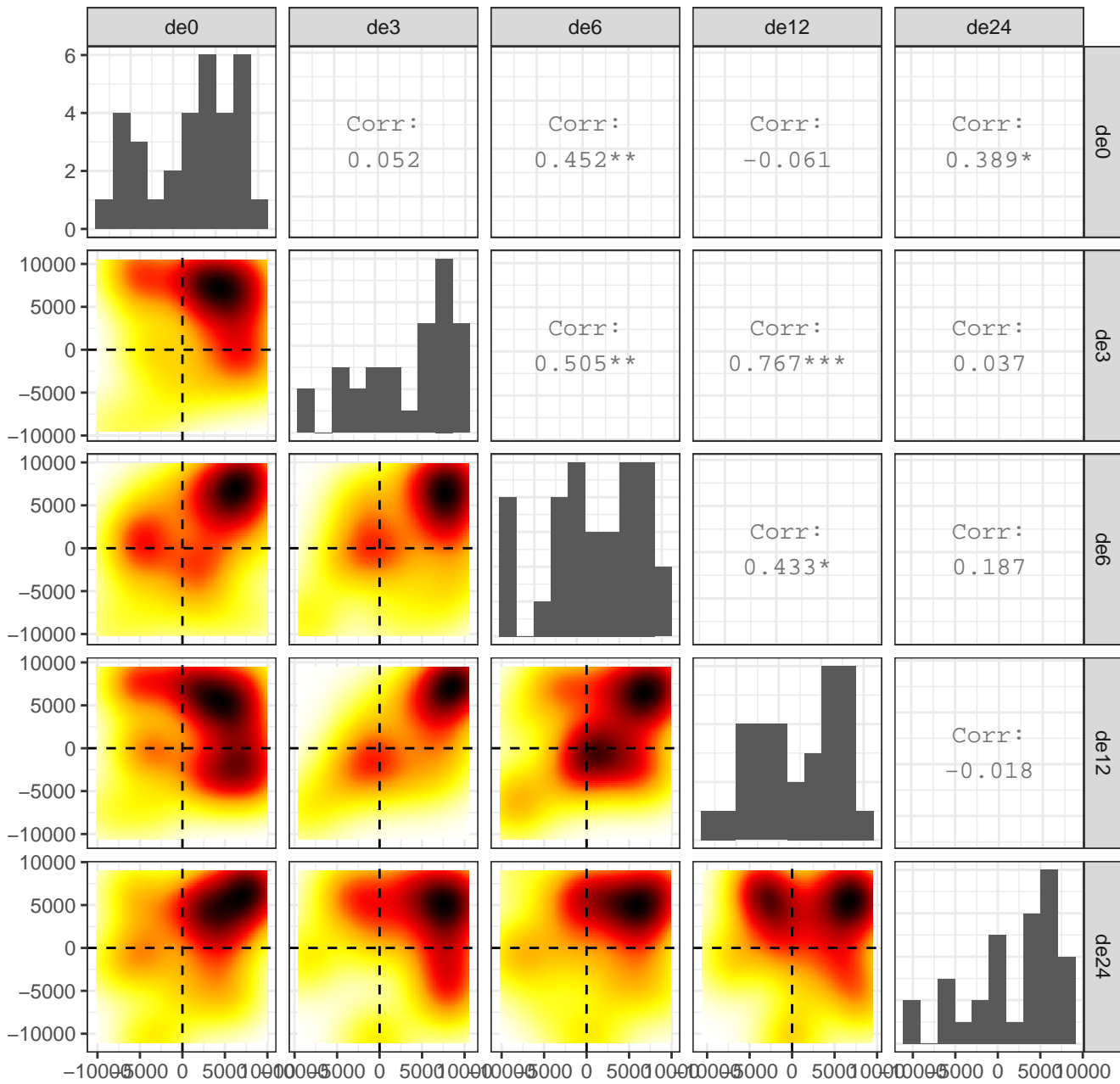
# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE\_RICH\_REPEAT\_VIII\_VIII-2



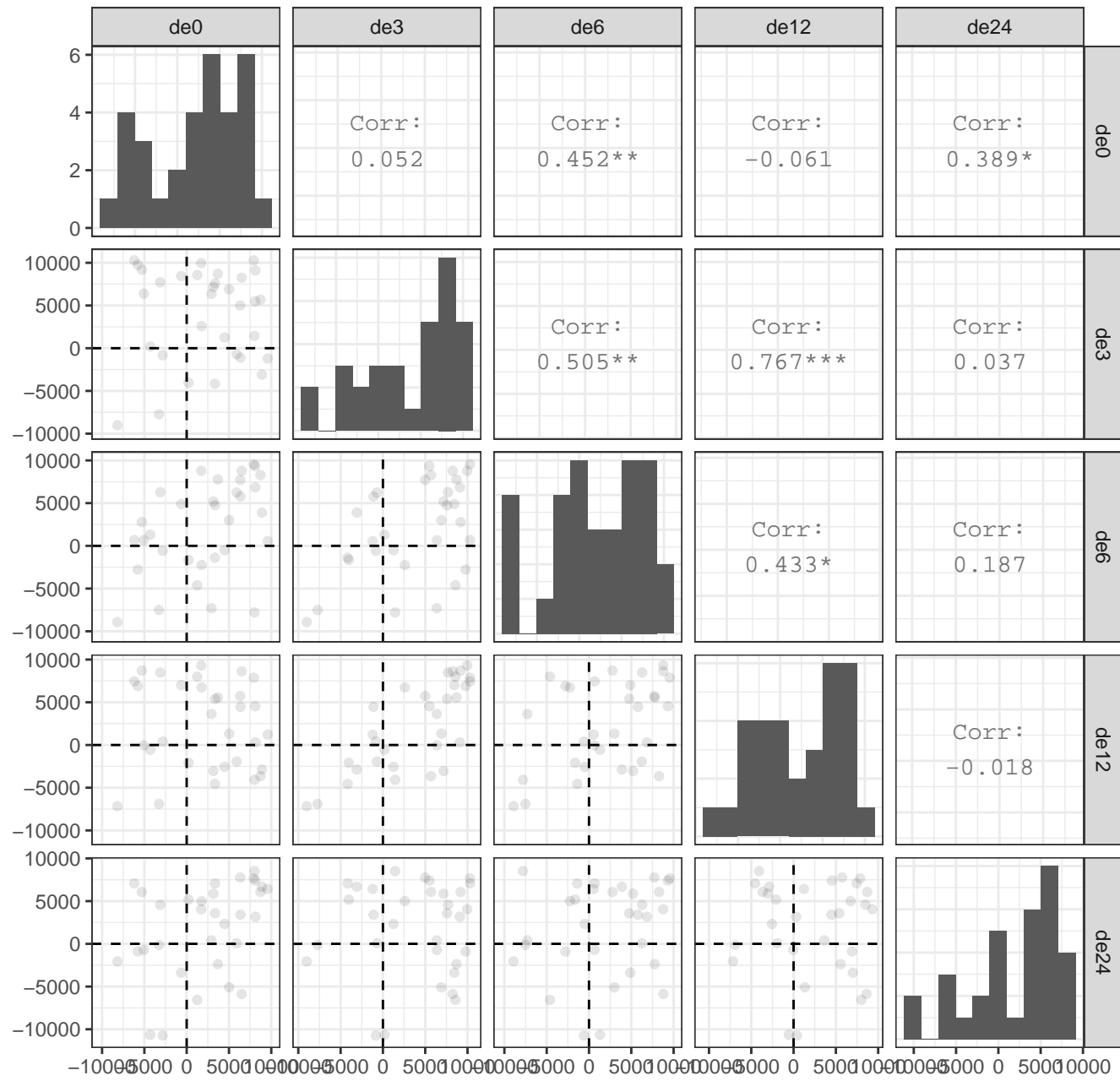
# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE



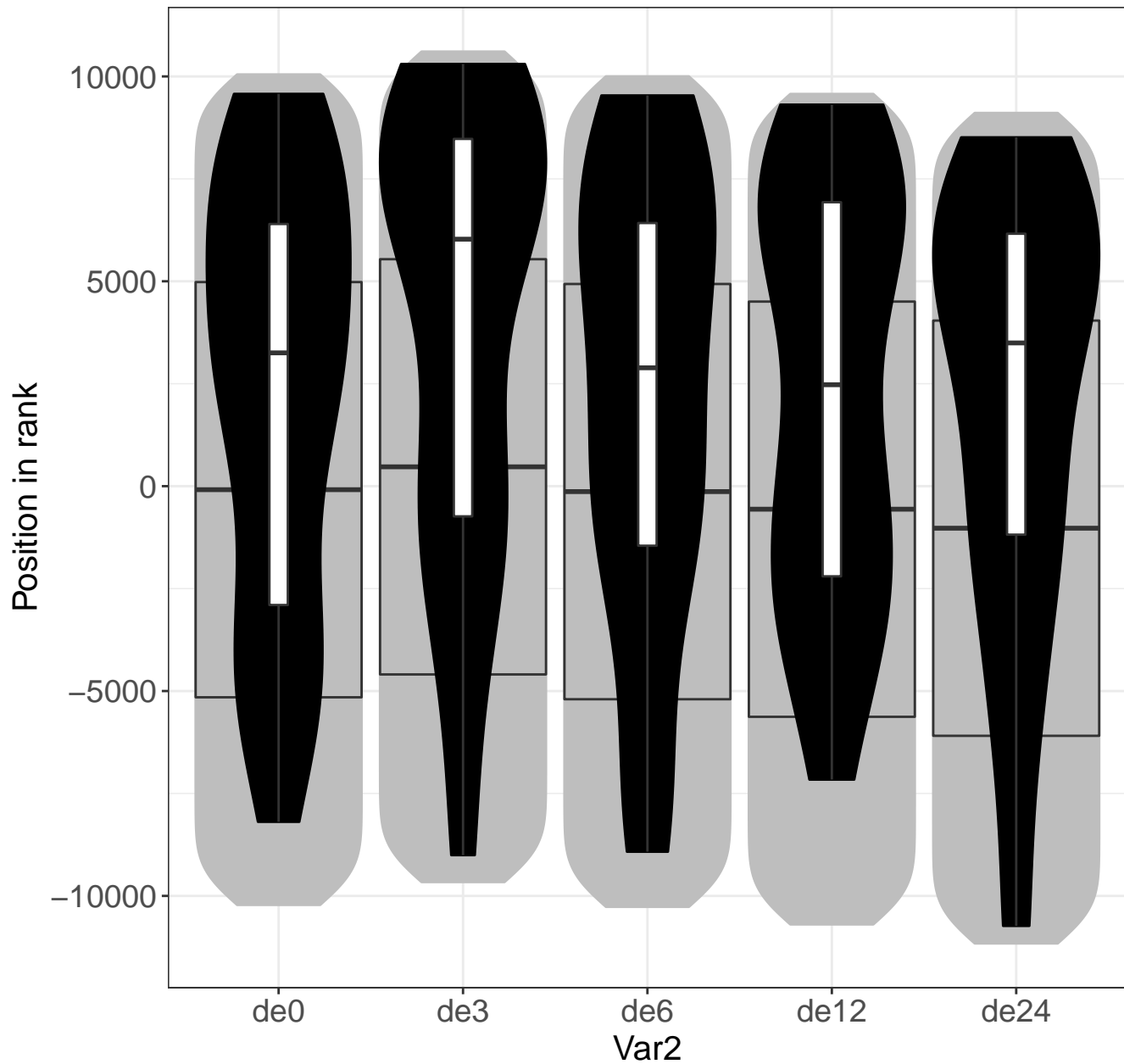
# TRANSPORT\_MISC



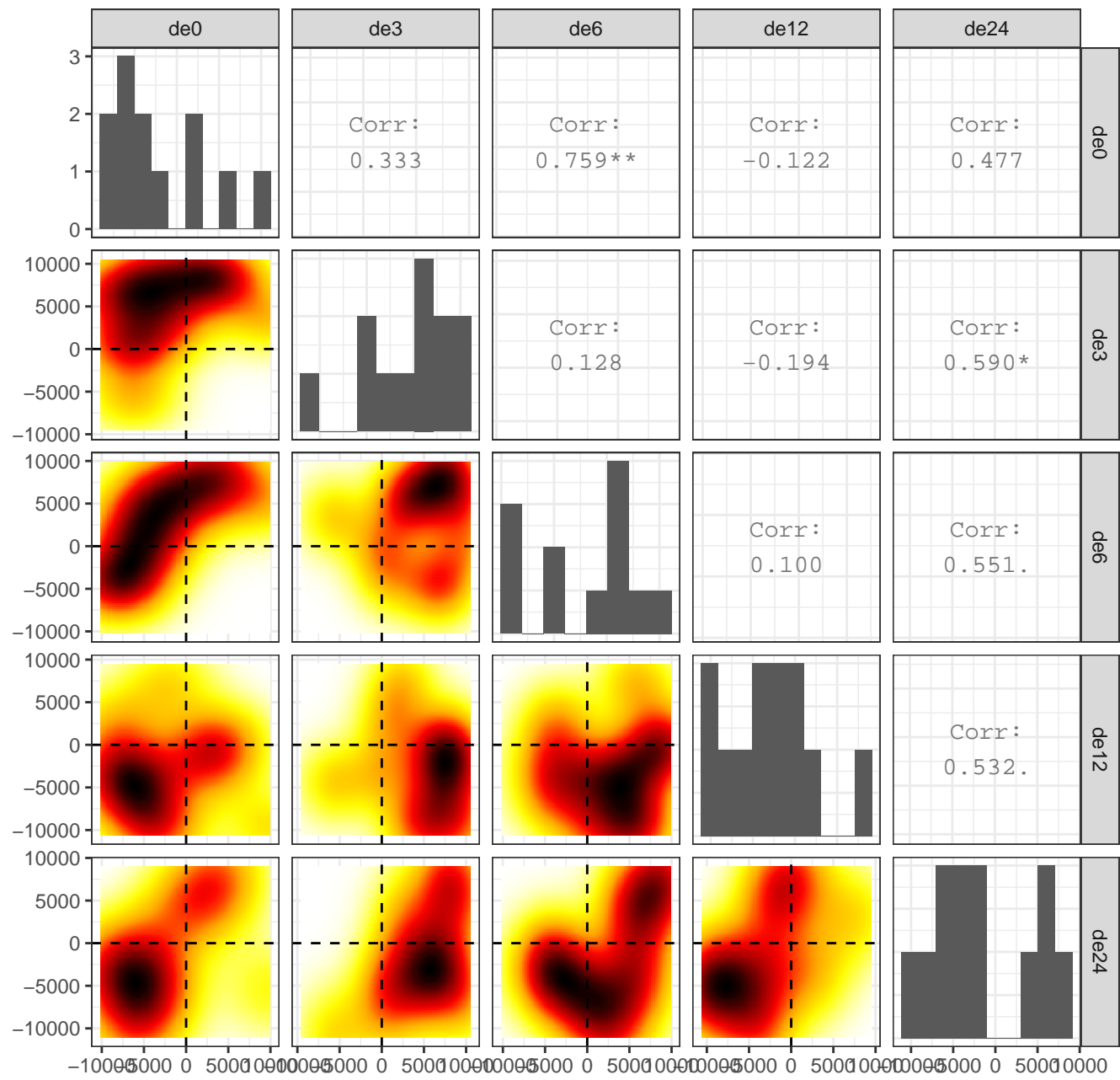
# TRANSPORT\_MISC



# TRANSPORT\_MISC

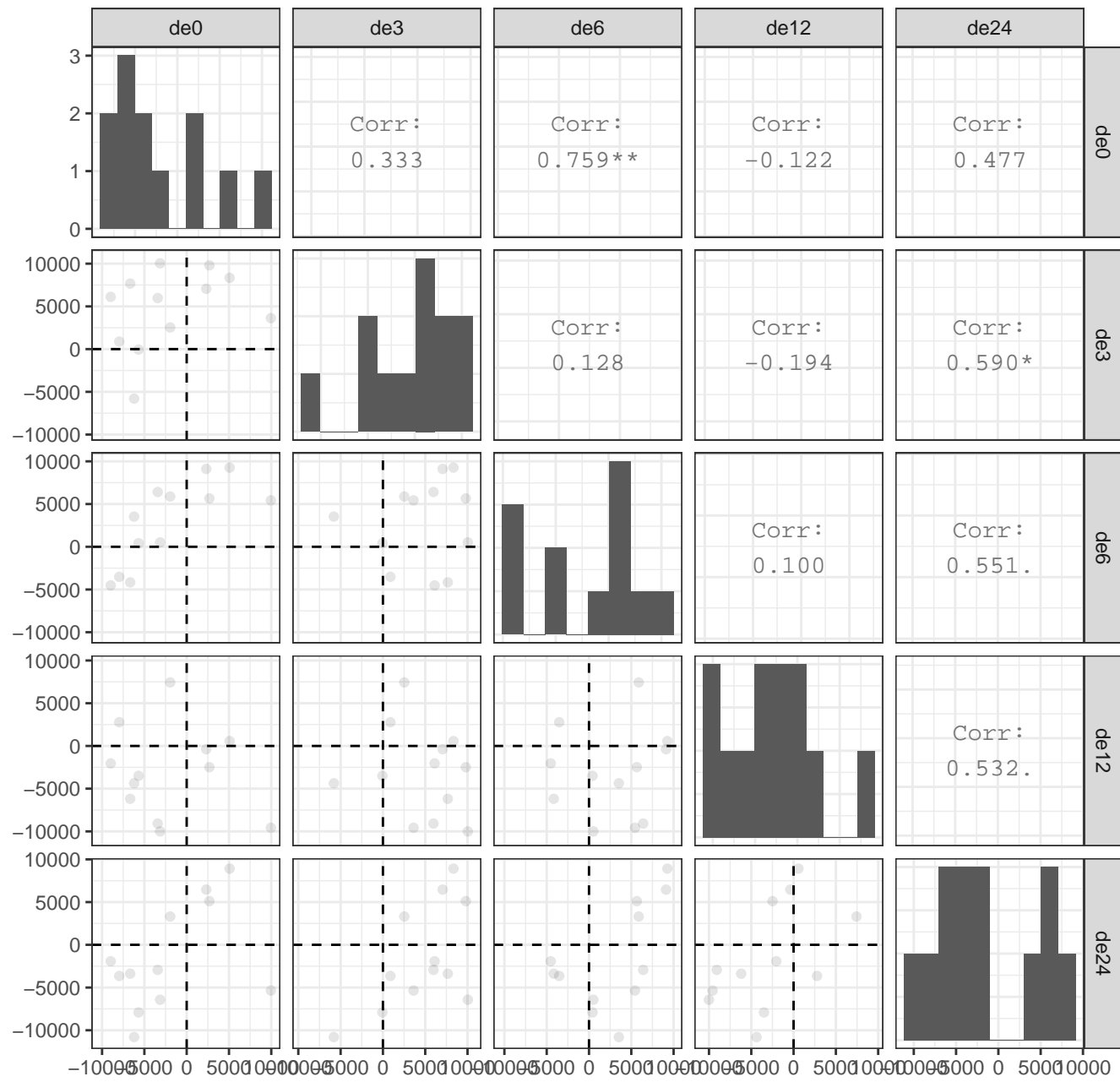


MISC\_INVERTASE/PECTIN\_METHYLESTERASE\_INHIBITOR\_FAMILY\_PROTE

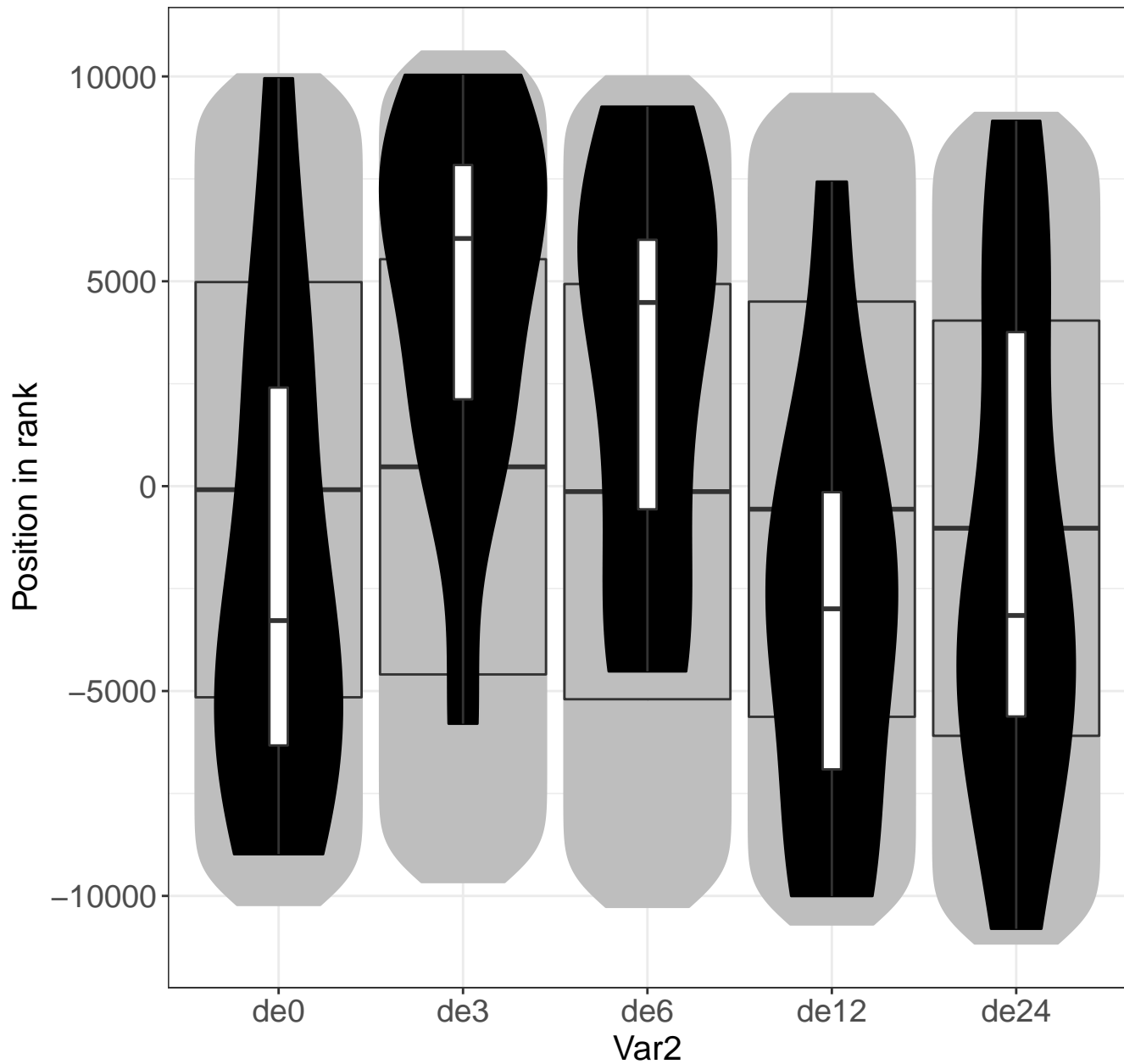




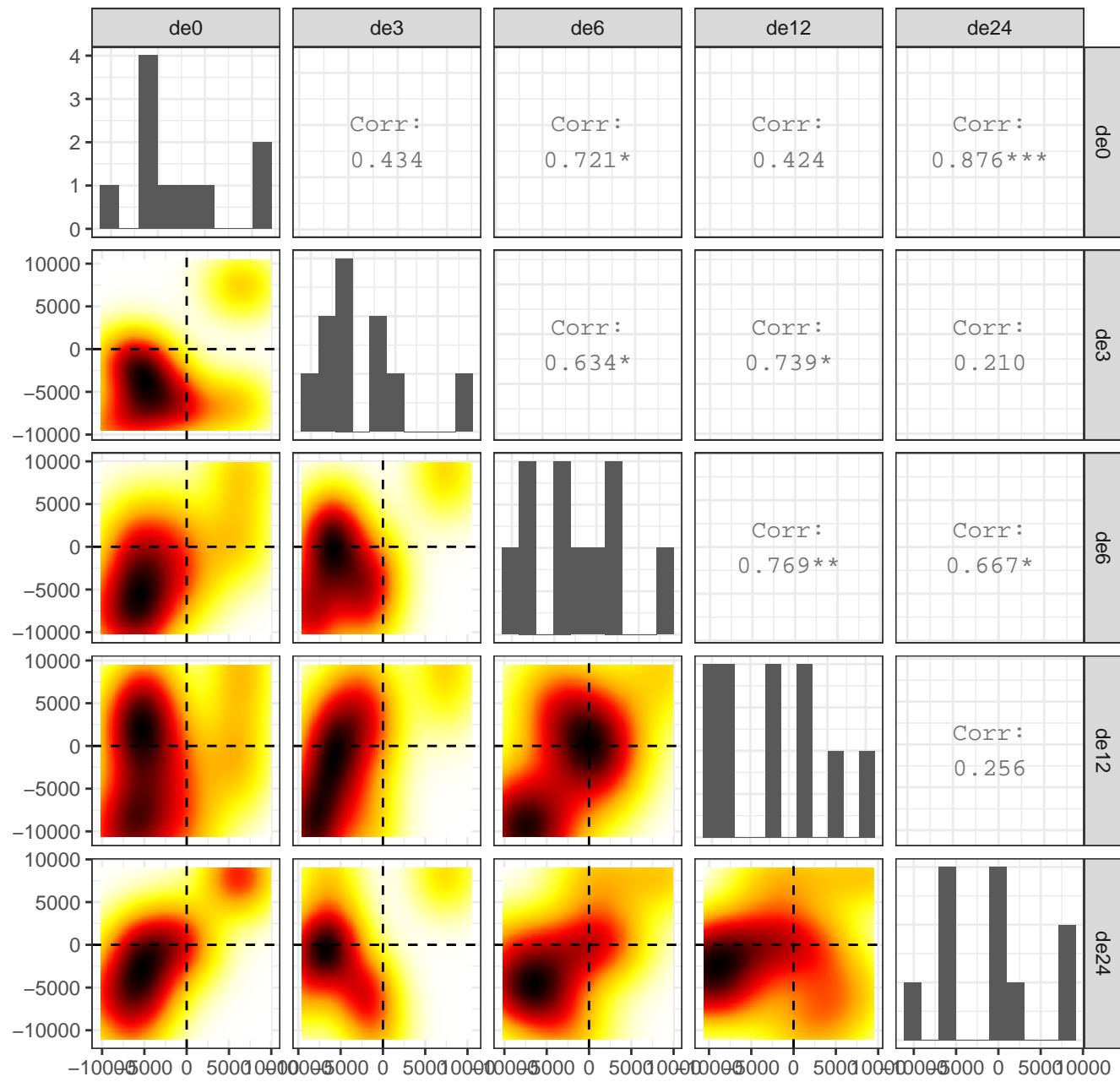
# MISC\_INVERTASE/PECTIN\_METHYLESTERASE\_INHIBITOR\_FAMILY\_PROTE



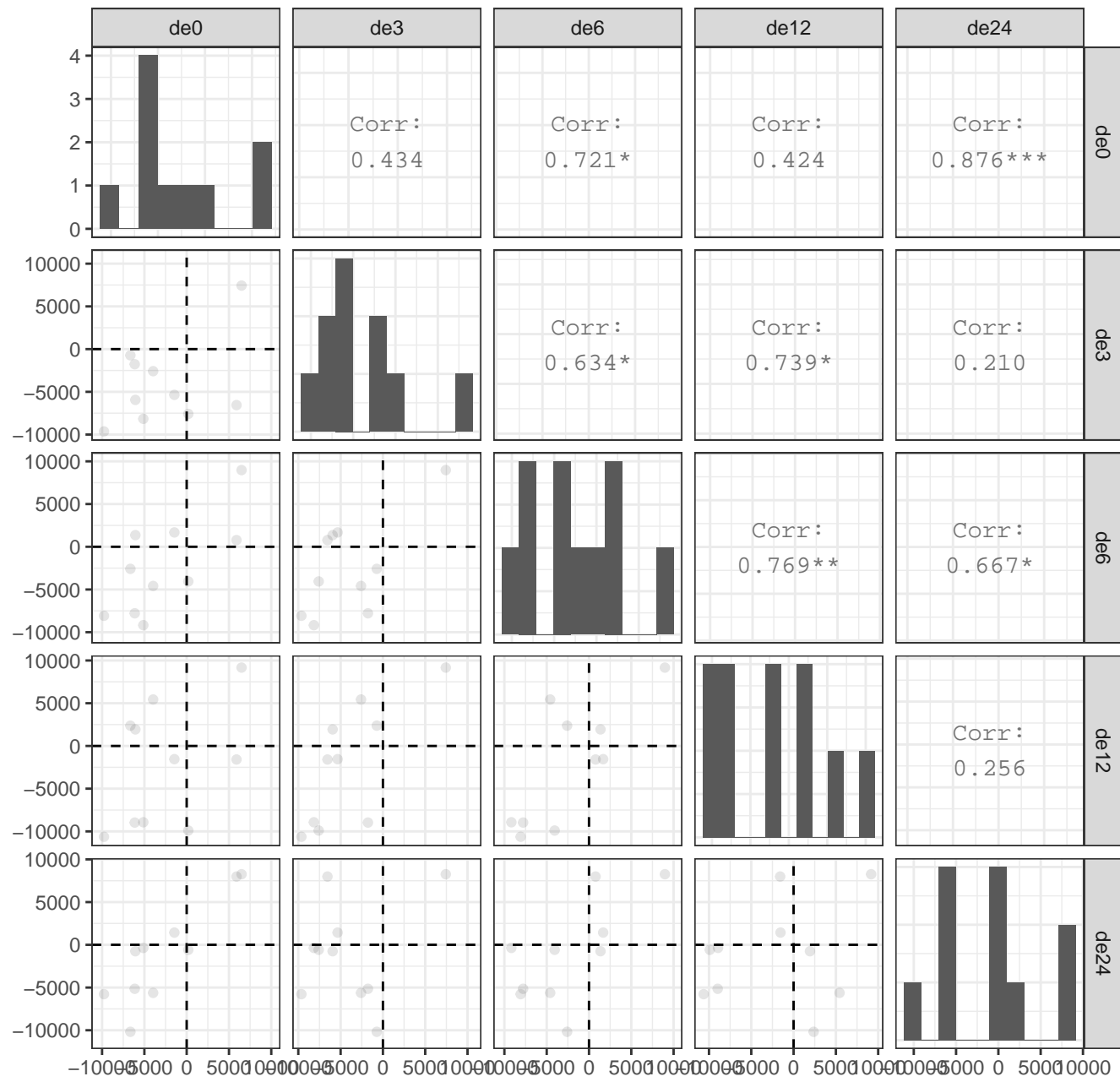
## MISC\_INVERTASE/PECTIN\_METHYLESTERAS



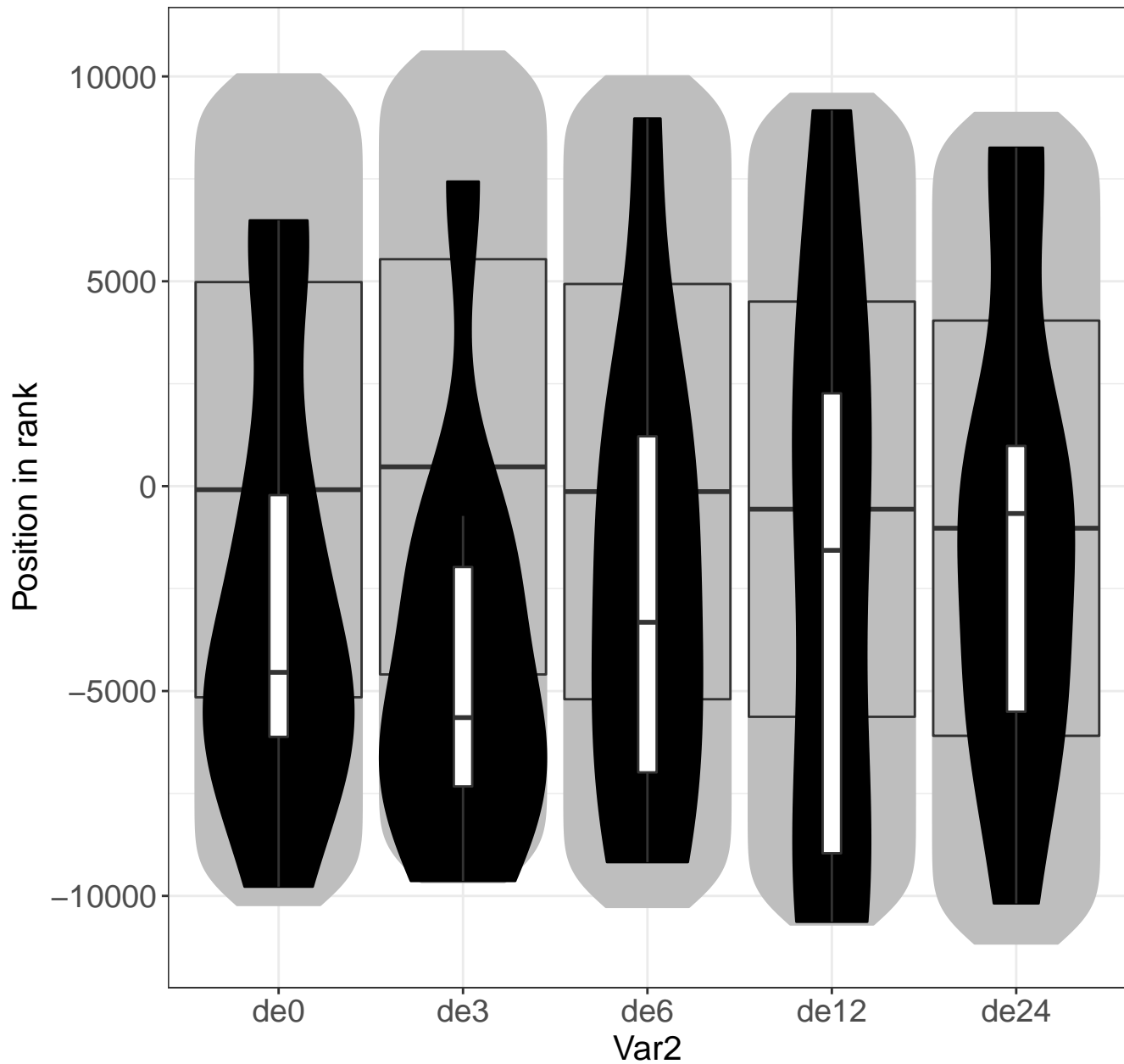
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_MYB\_DOMAIN\_TRANSCRIPTION



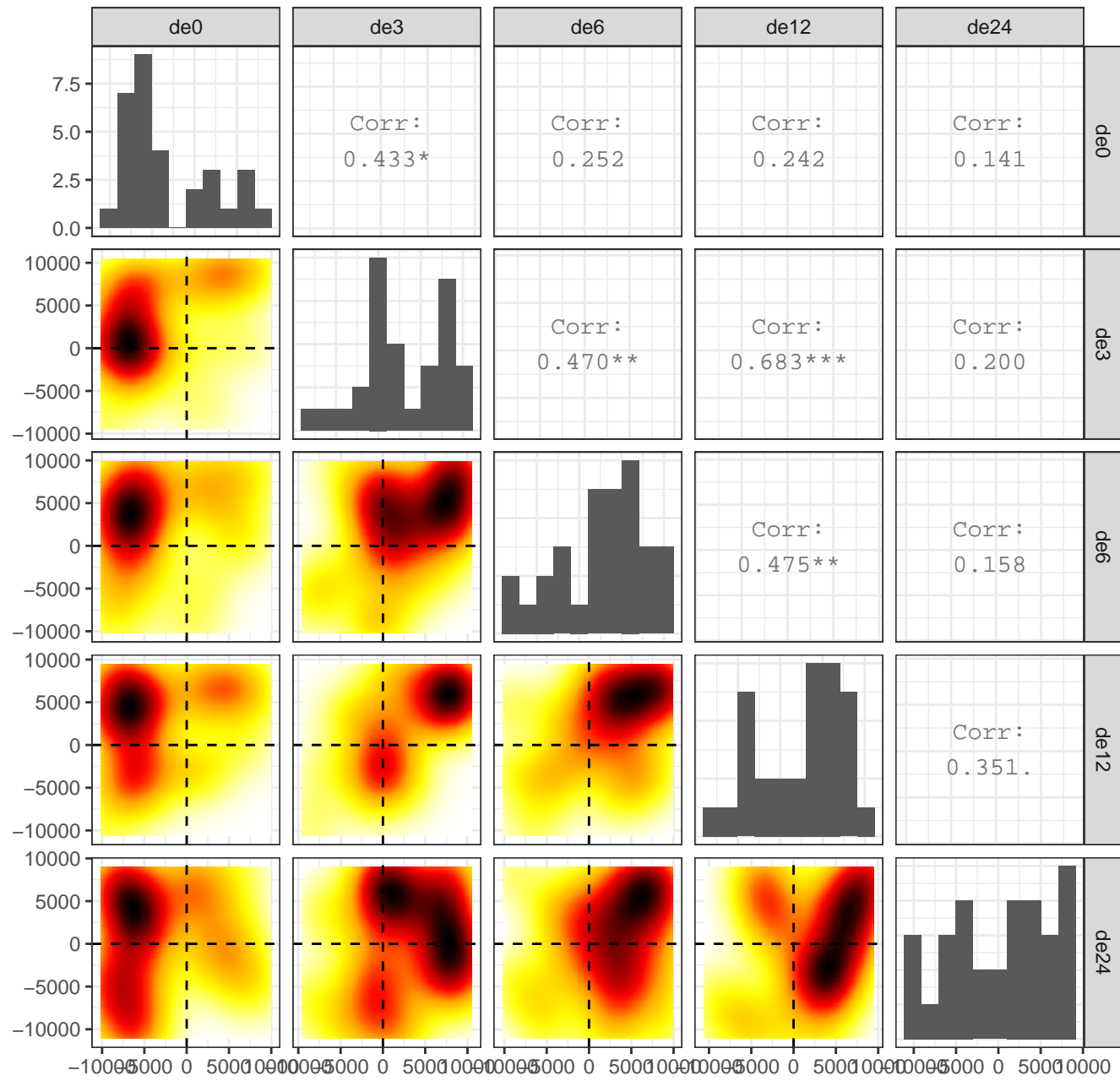
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_MYB\_DOMAIN\_TRANSCRIPTION



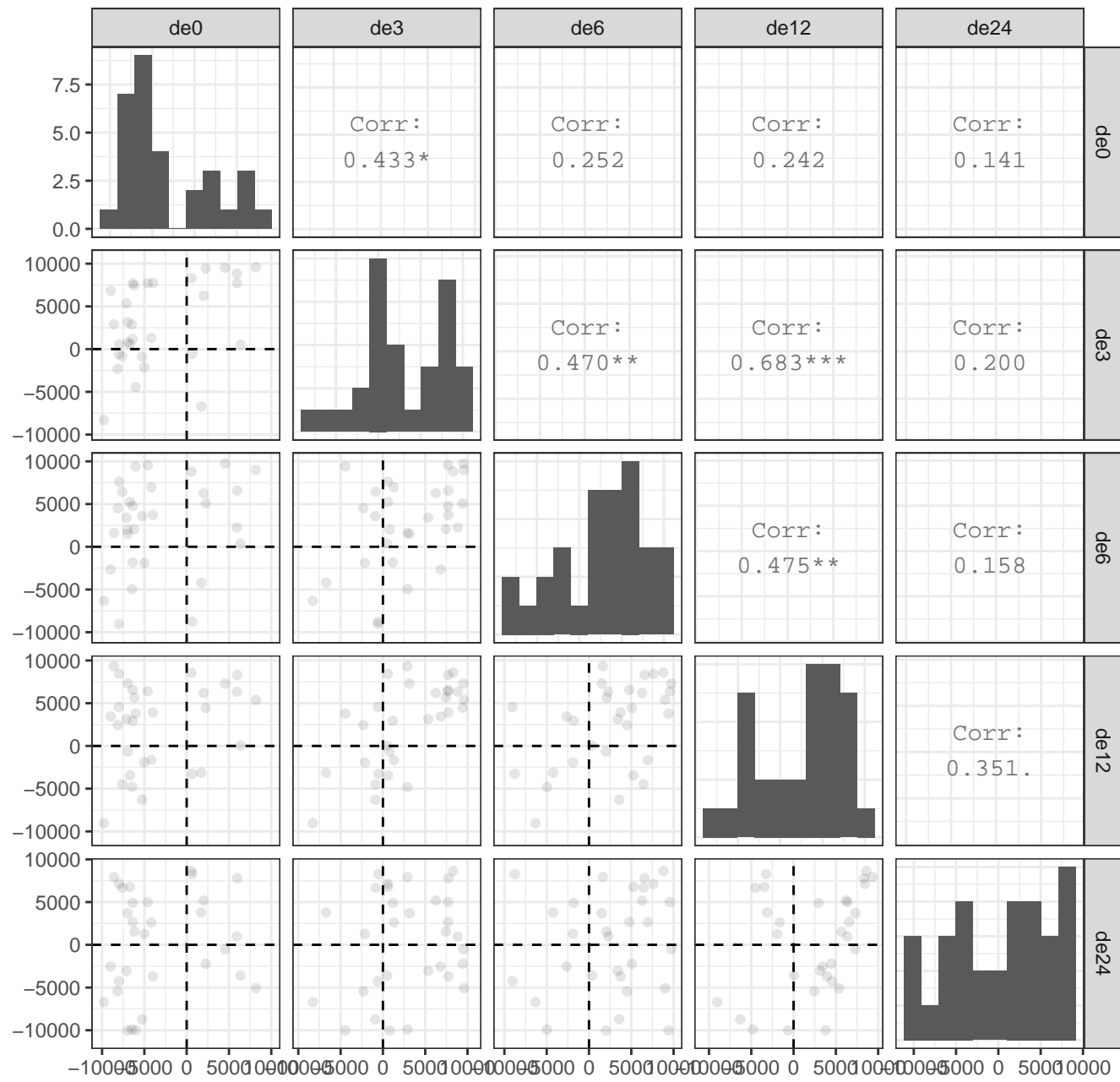
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_MY



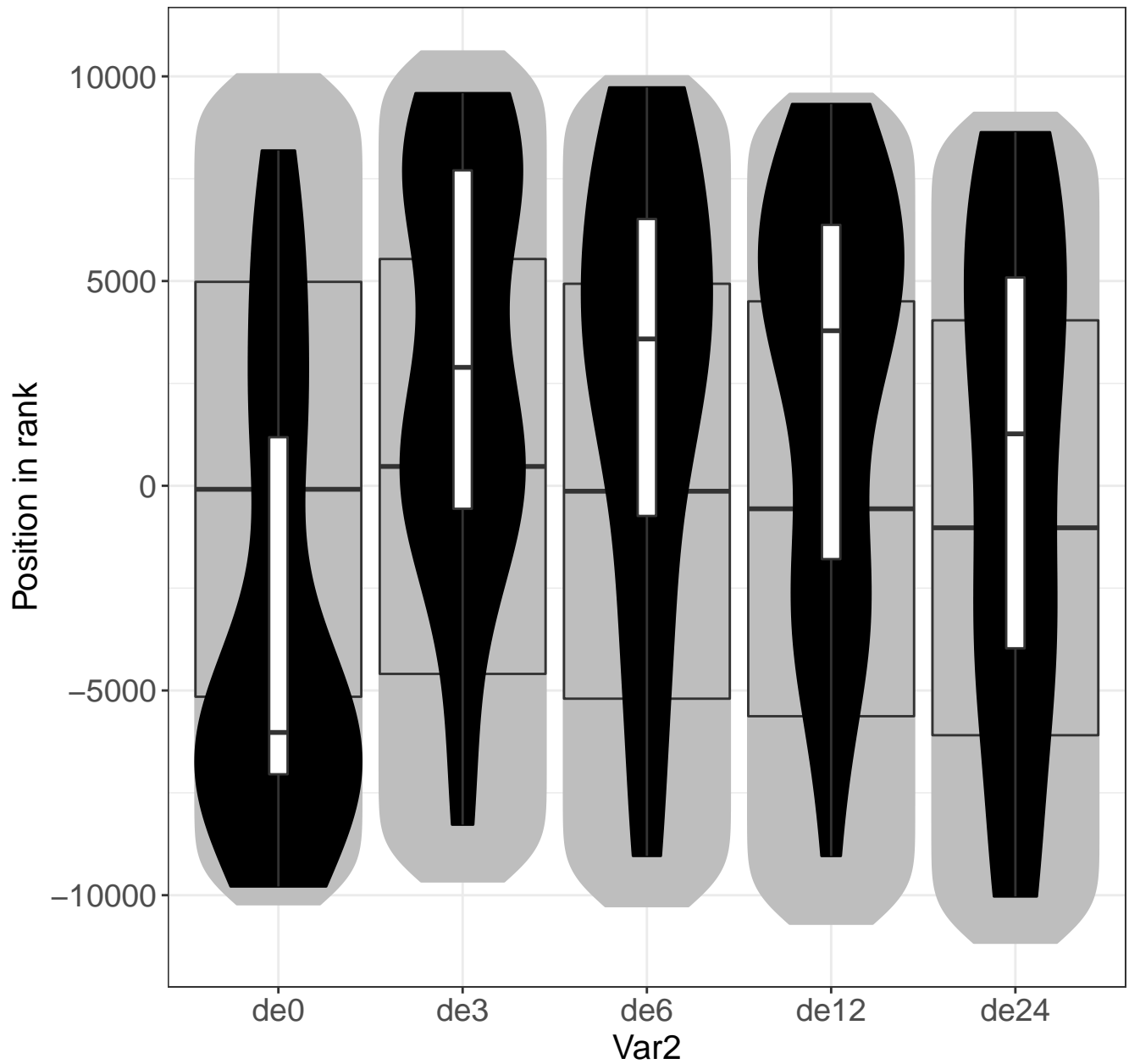
# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE\_RICH\_REPEAT\_III



# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE\_RICH\_REPEAT\_III

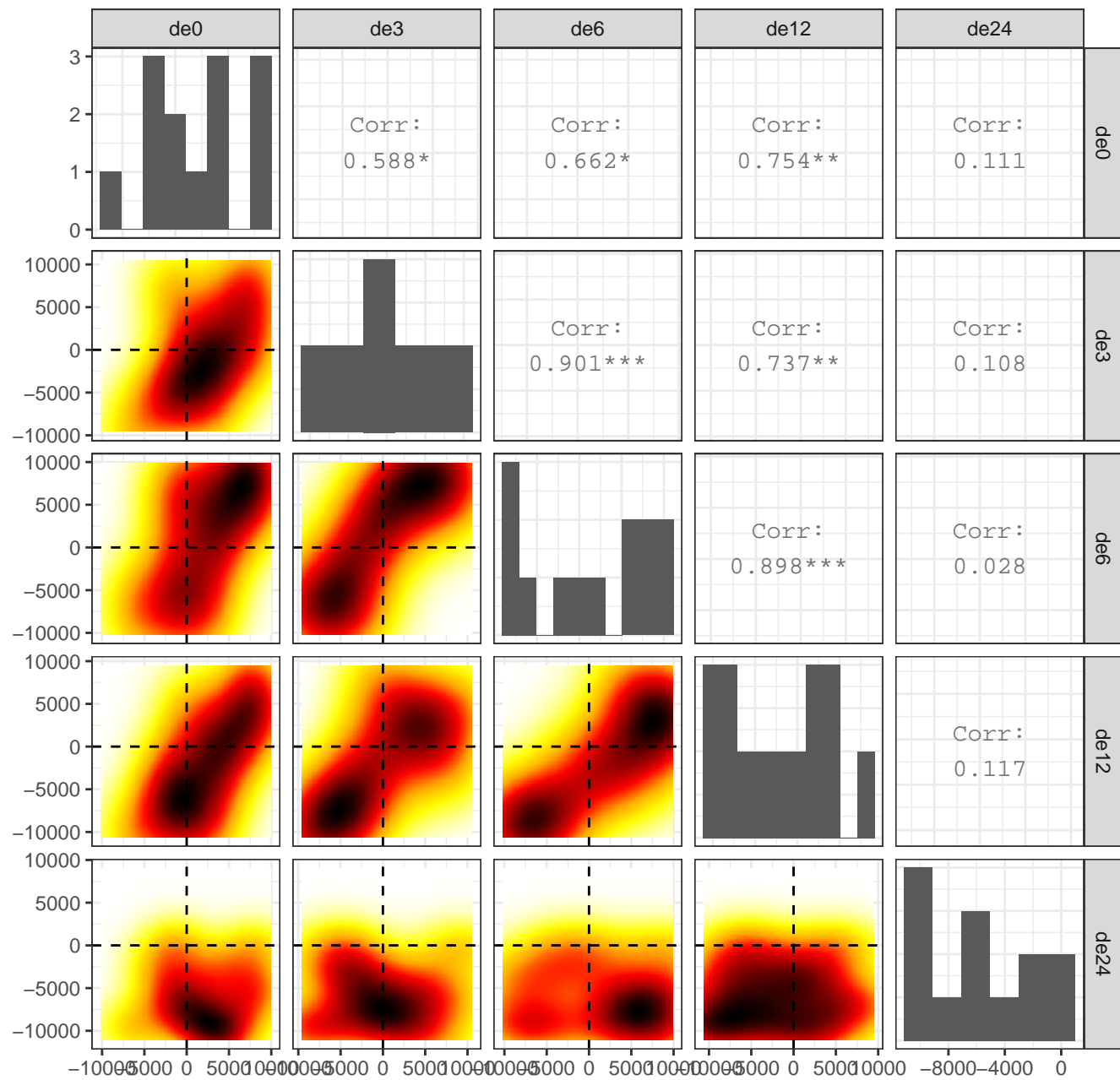


# SIGNALLING\_RECEPTOR\_KINASES\_LEUCINE

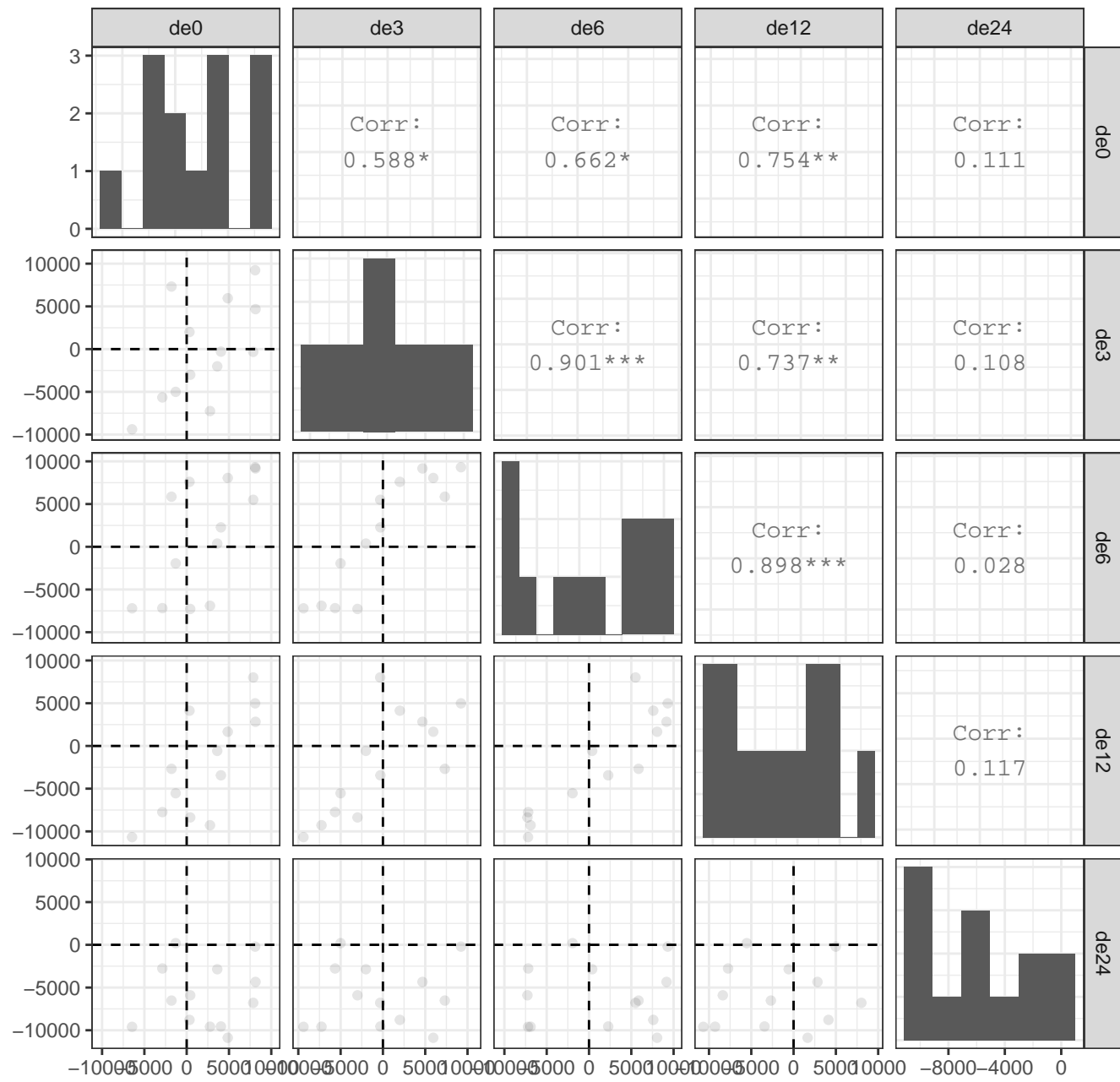




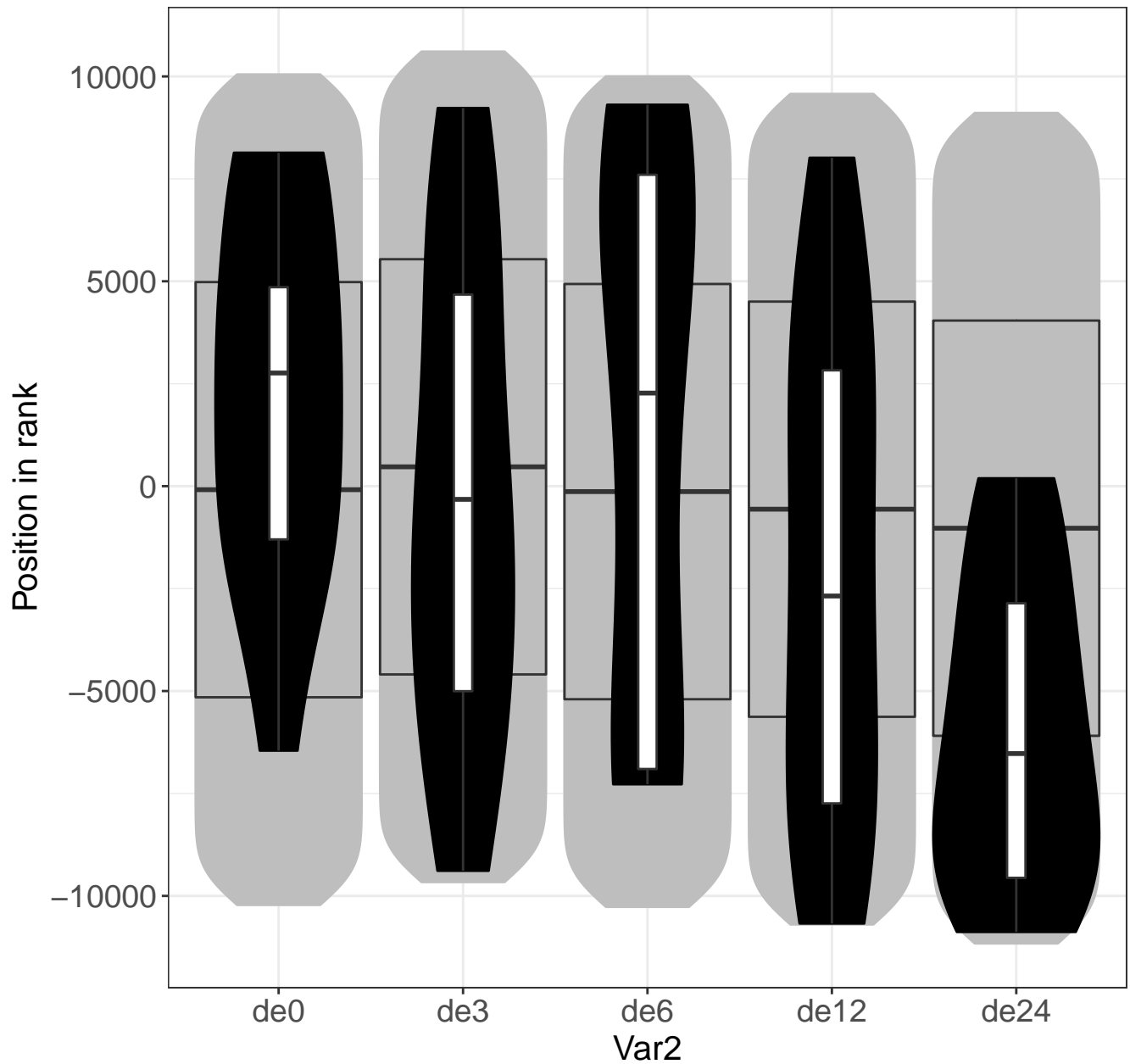
# PROTEIN\_SYNTHESIS\_RIBOSOME\_BIOGENESIS\_PRE-RRNA\_PROCESSING



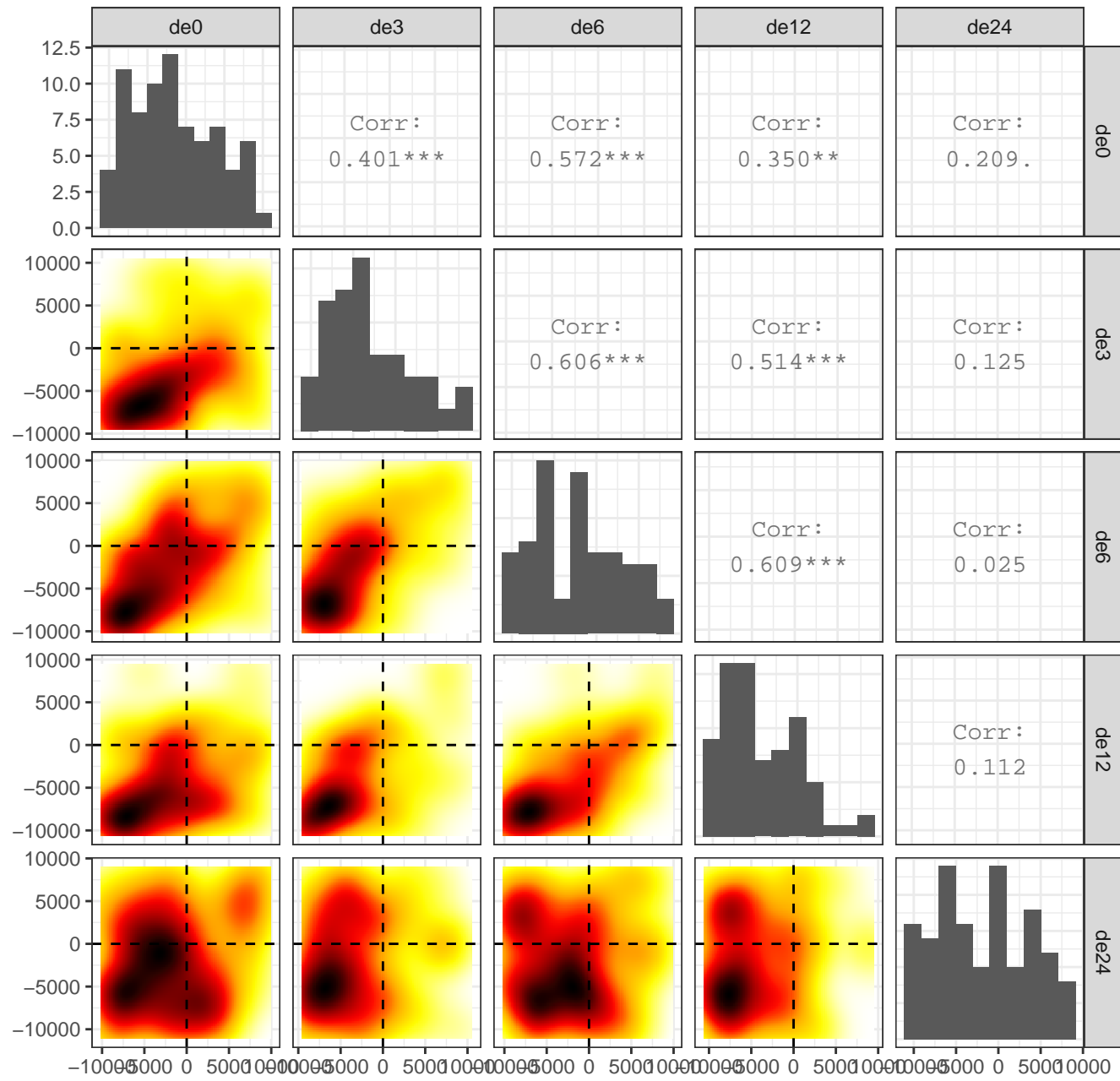
# PROTEIN\_SYNTHESIS\_RIBOSOME\_BIOGENESIS\_PRE-RRNA\_PROCESSING



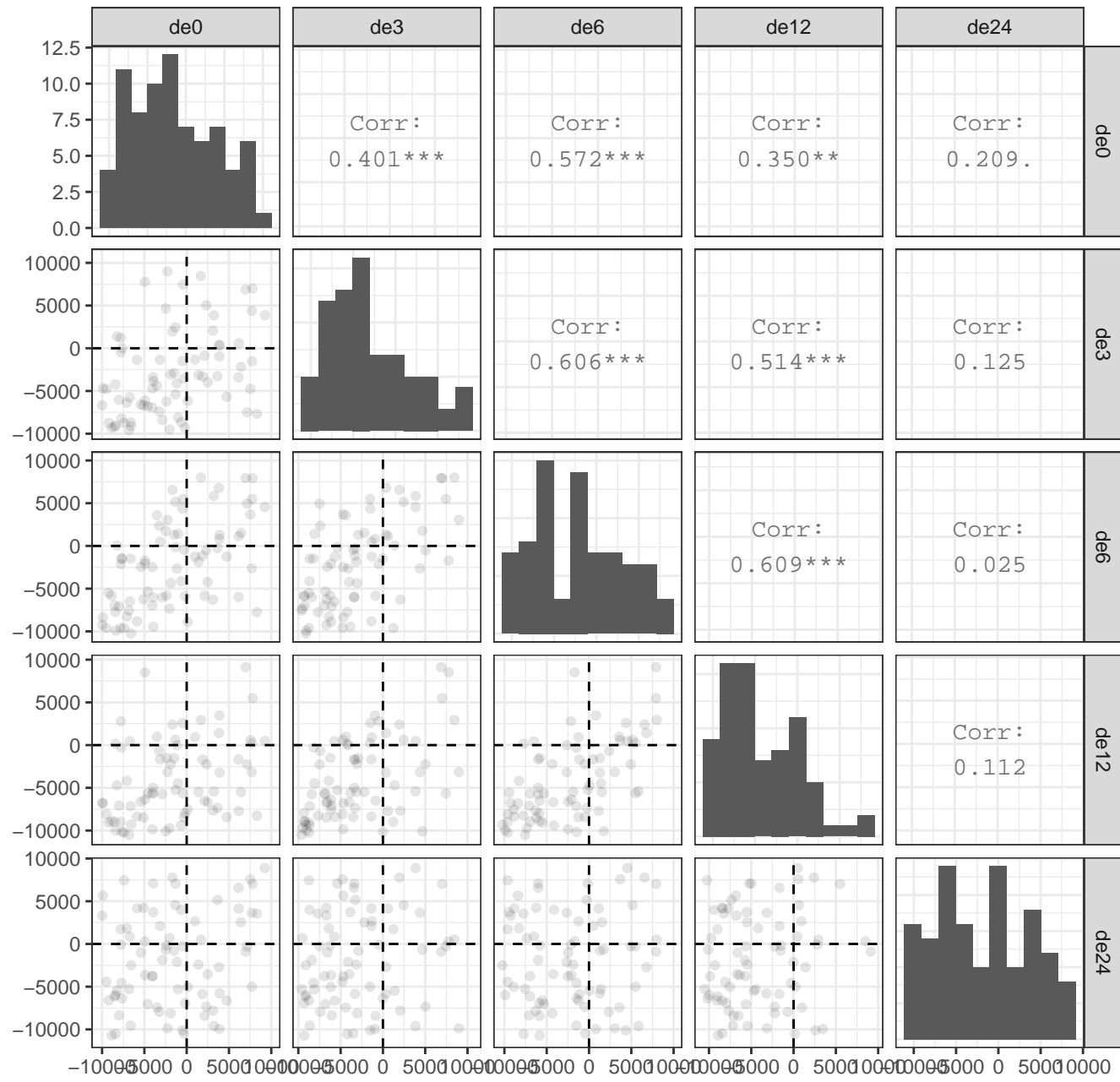
# PROTEIN\_SYNTHESIS\_RIBOSOME\_BIOGENE



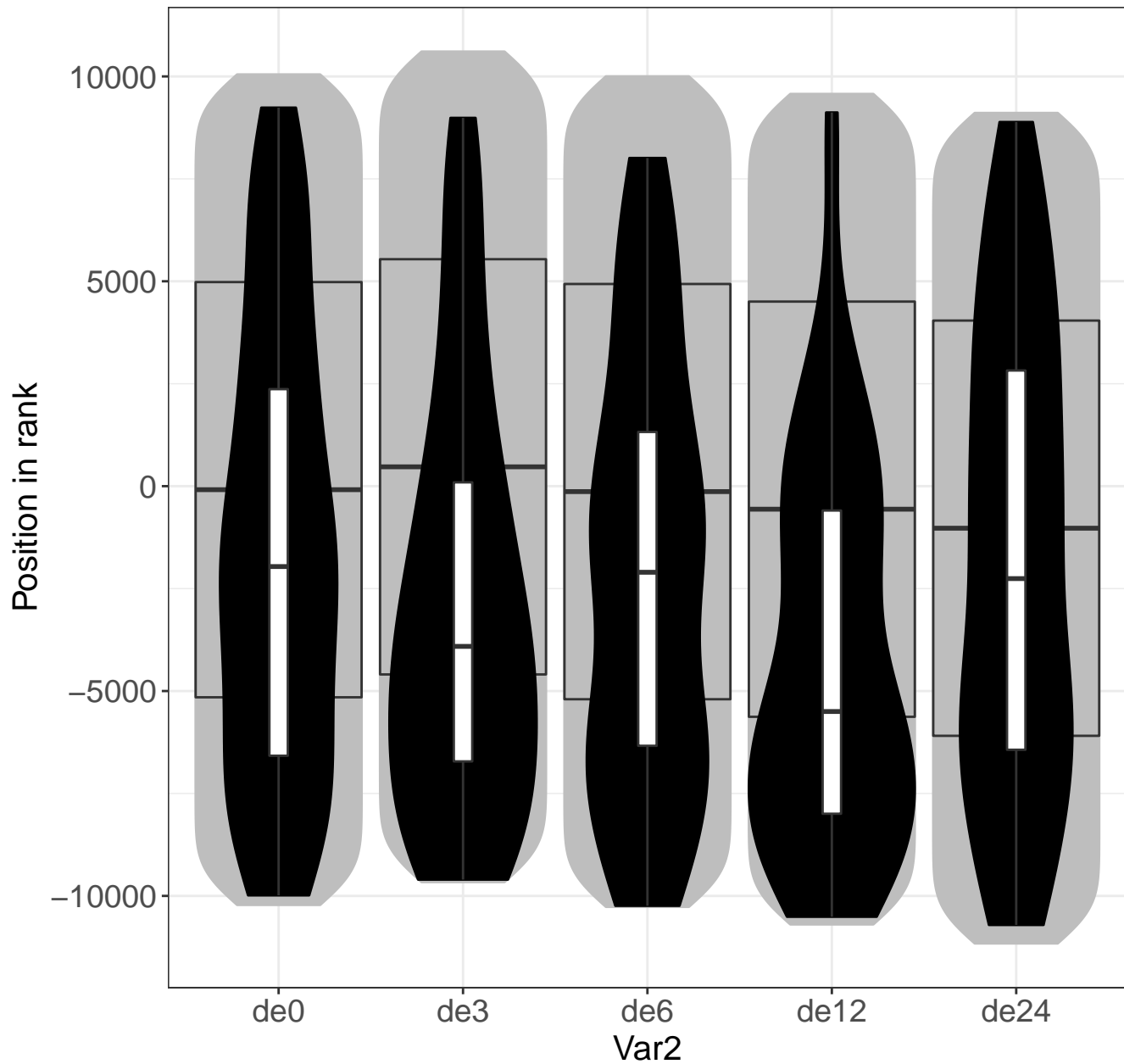
# STRESS\_ABIOTIC\_HEAT



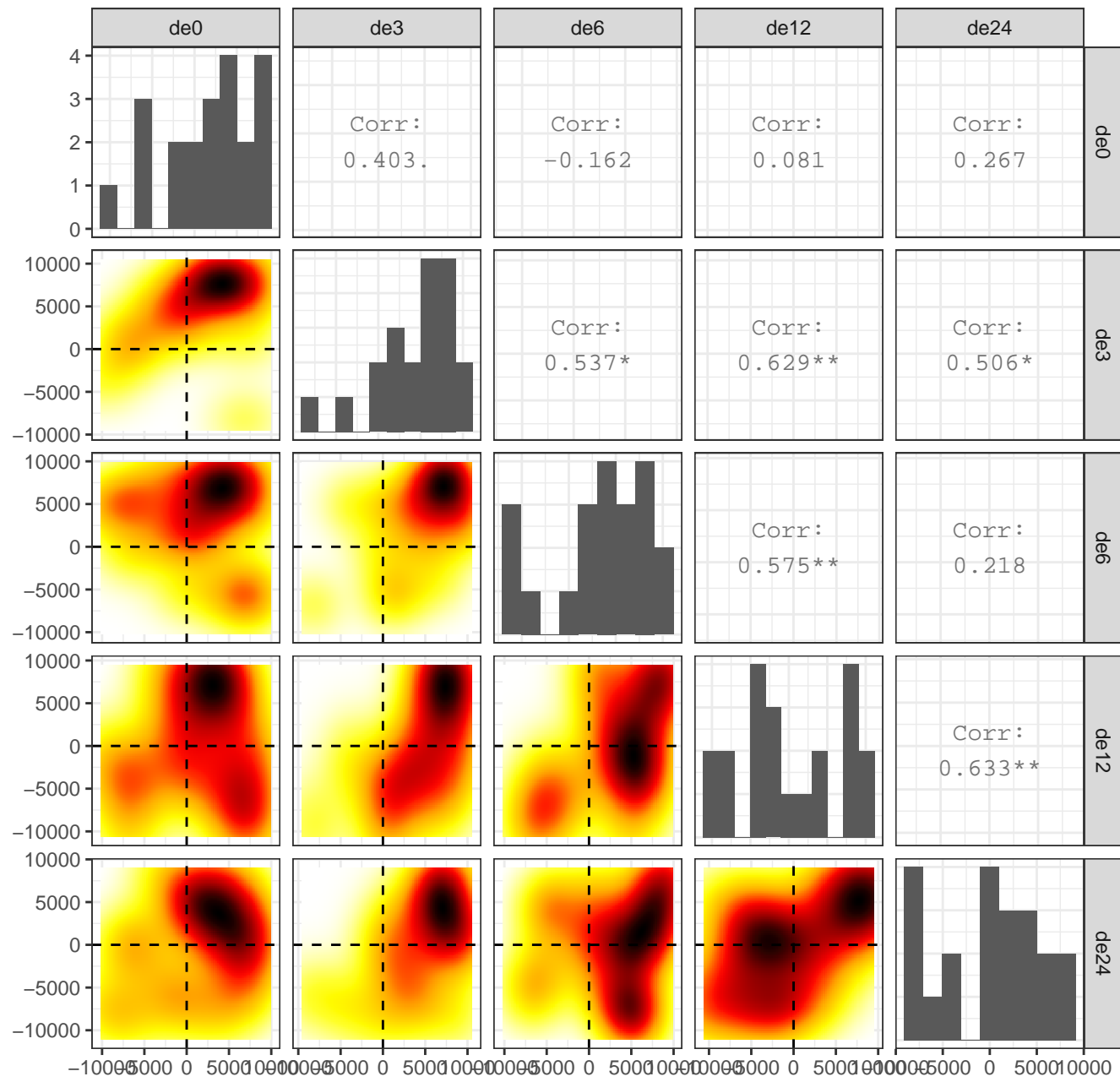
# STRESS\_ABIOTIC\_HEAT



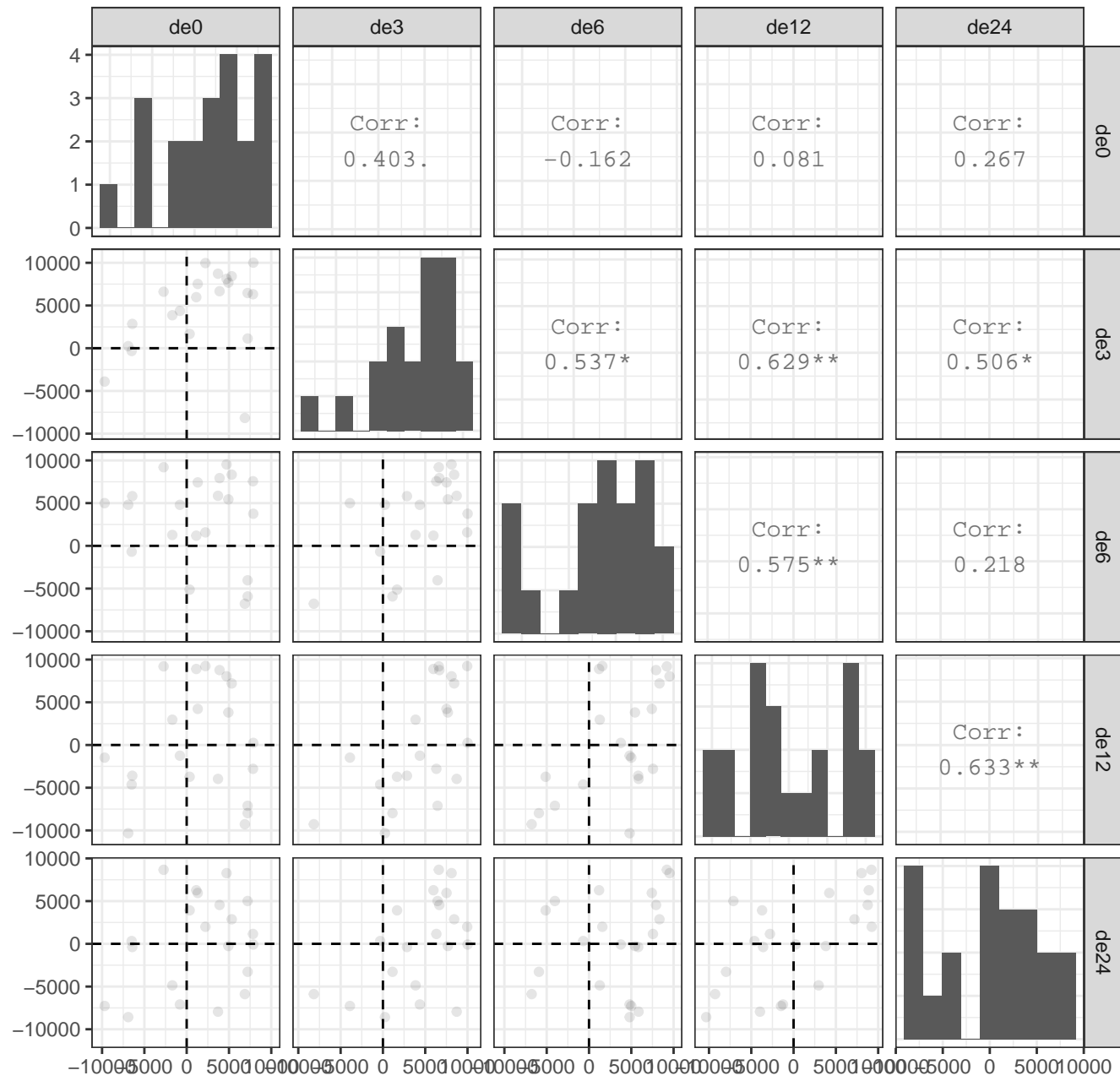
# STRESS\_ABIOTIC\_HEAT



# PROTEIN\_DEGRADATION\_ASPARTATE\_PROTEASE

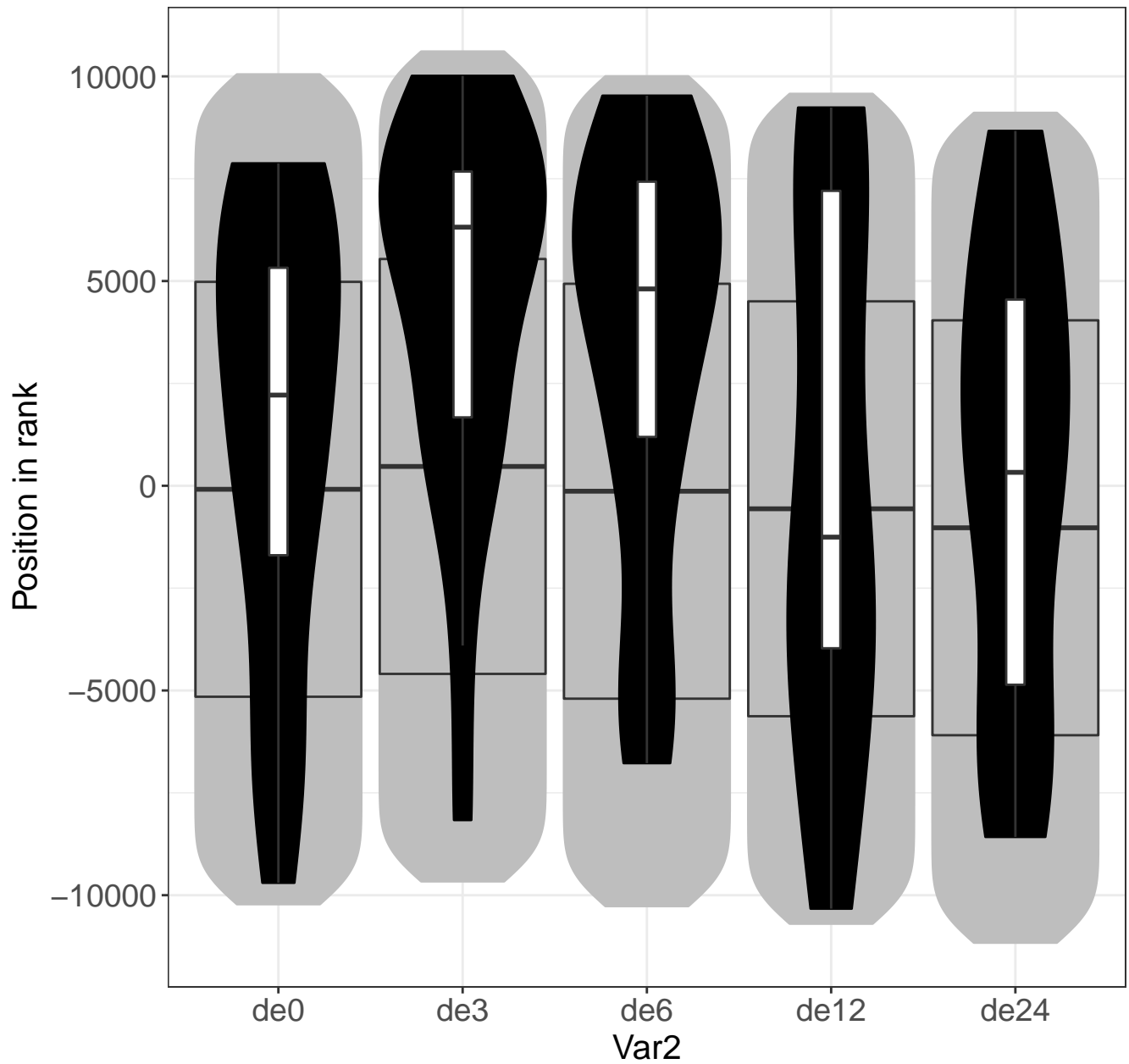


# PROTEIN\_DEGRADATION\_ASPARTATE\_PROTEASE

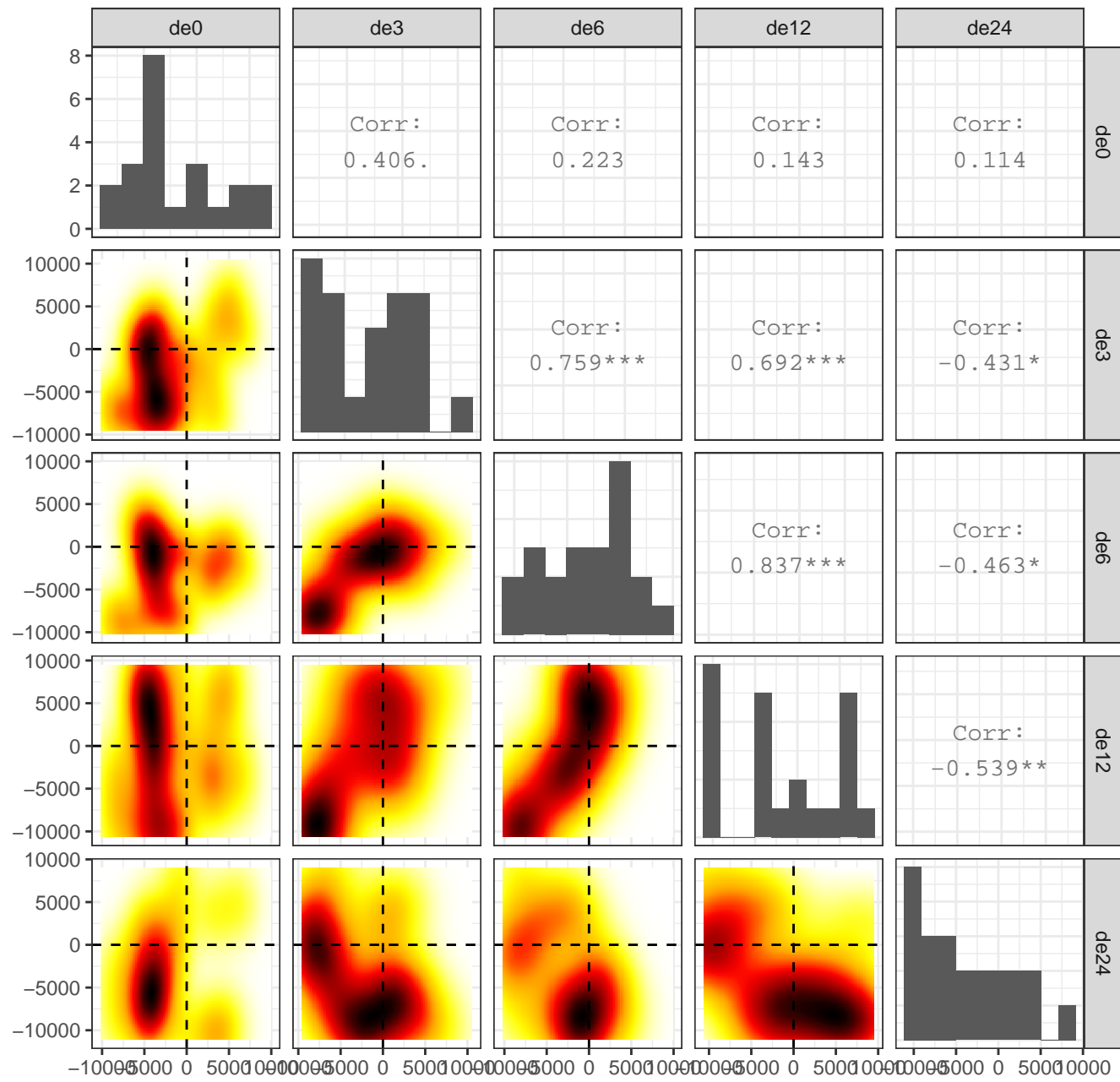




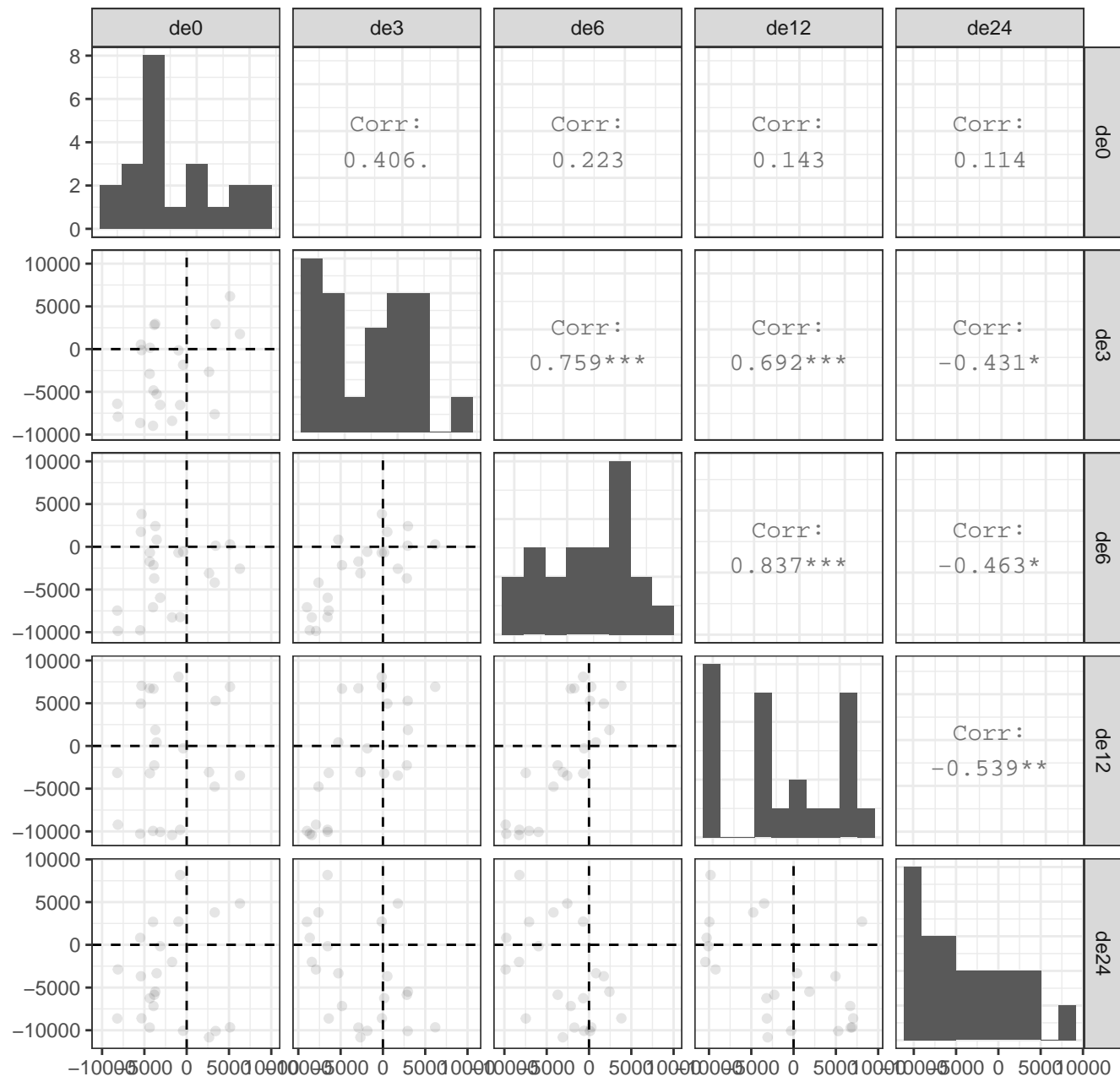
# PROTEIN\_DEGRADATION\_ASPARTATE\_PROT



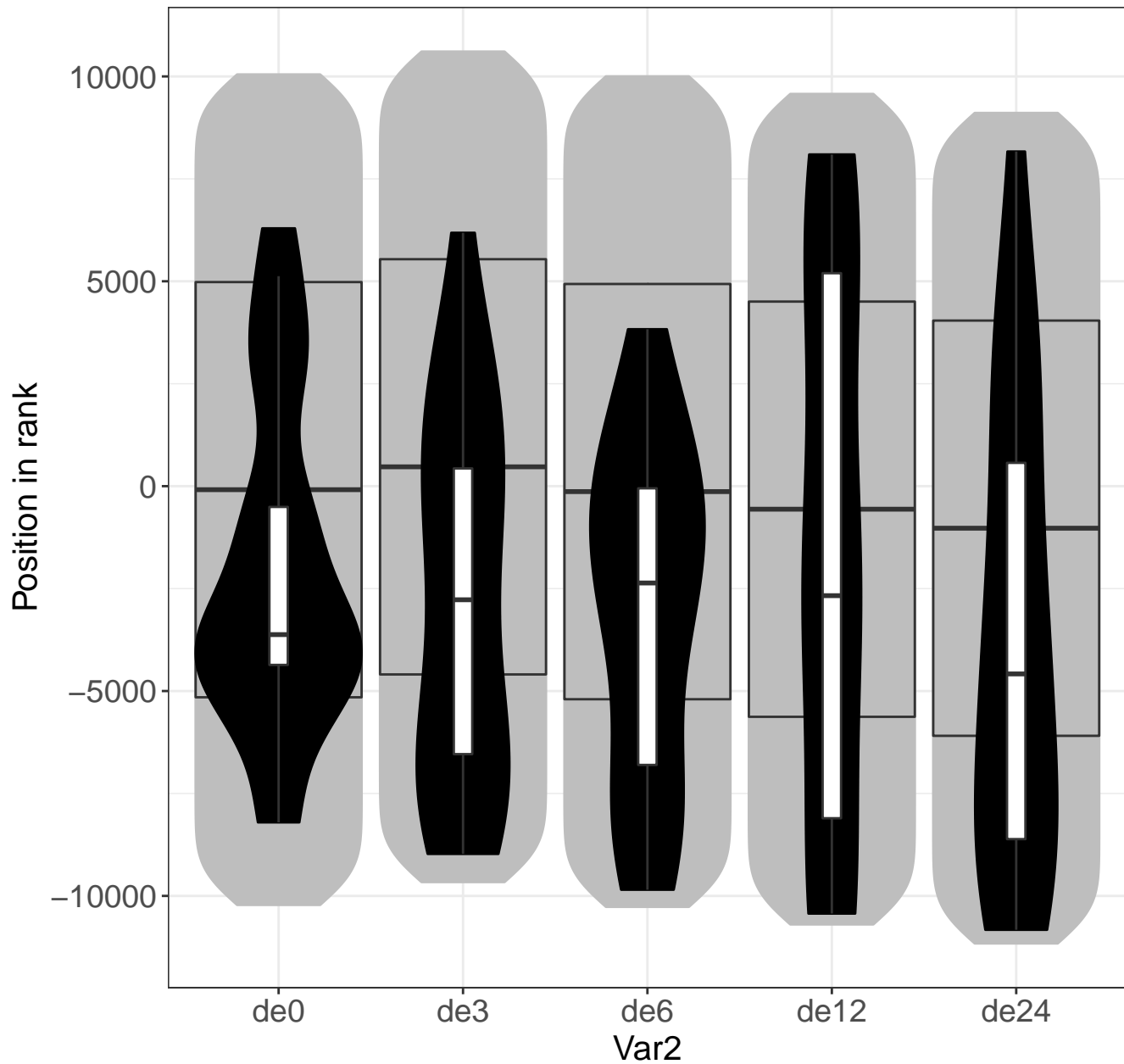
# PROTEIN\_DEGRADATION\_UBIQUITIN



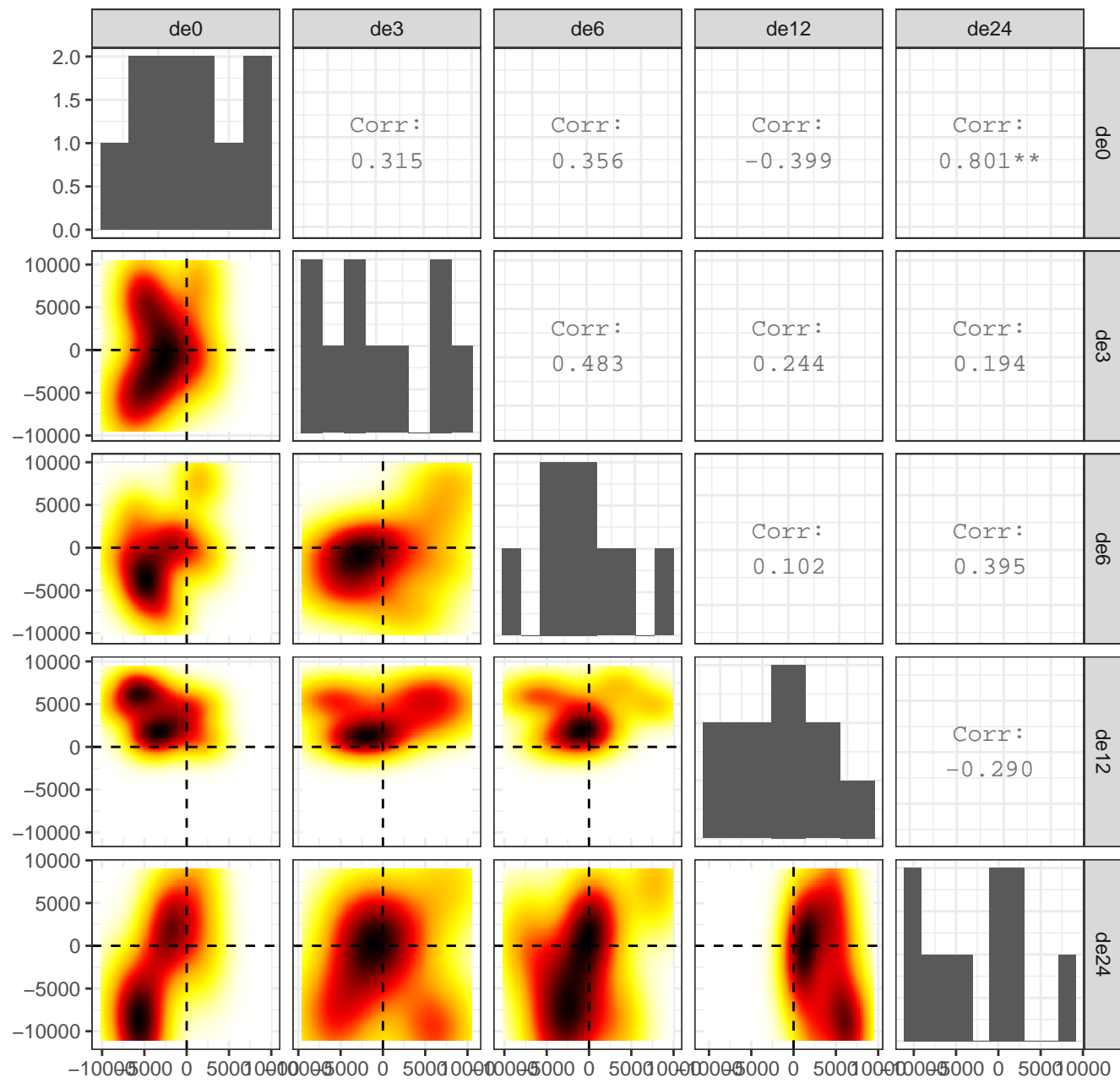
# PROTEIN\_DEGRADATION\_UBIQUITIN



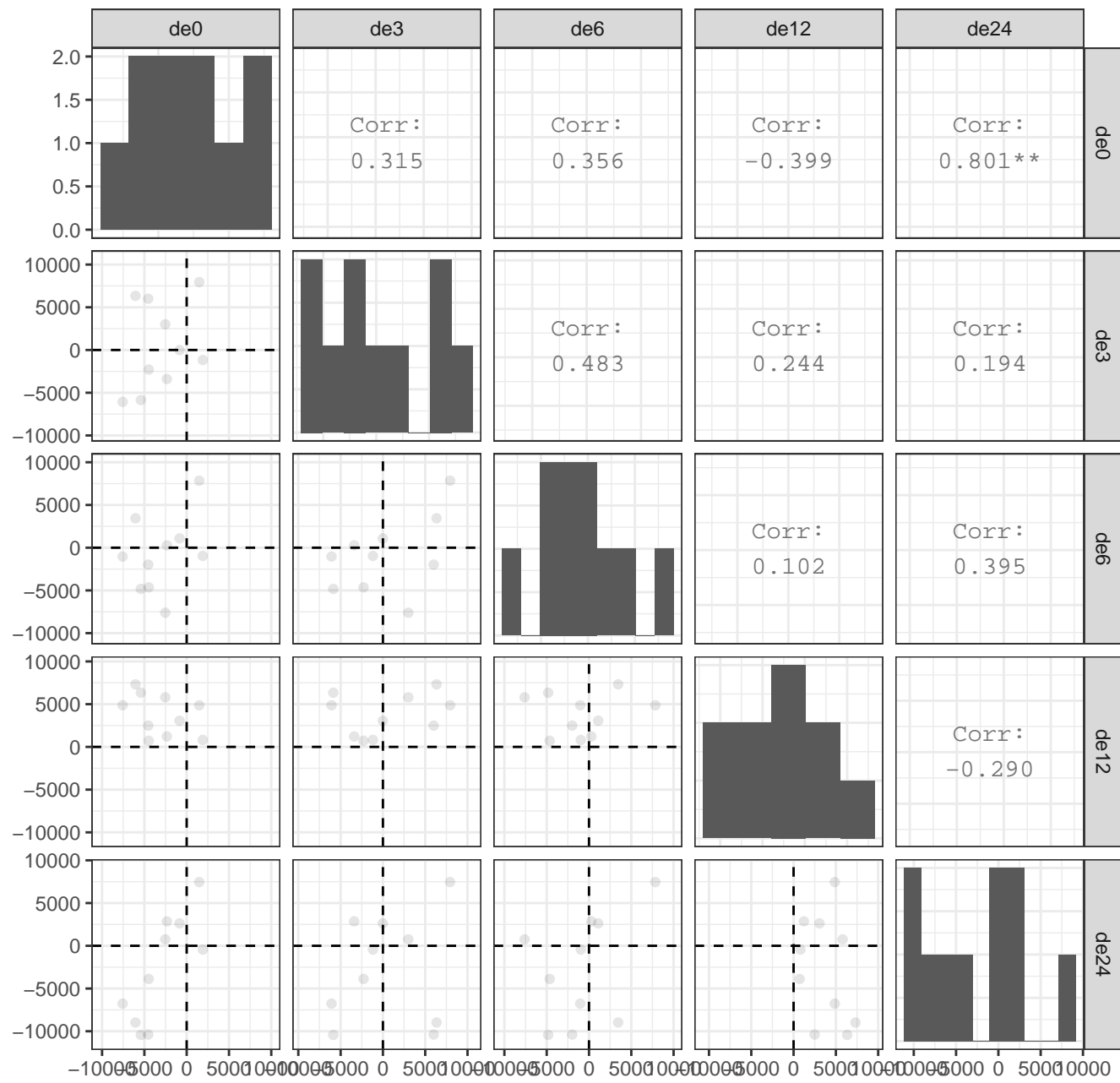
# PROTEIN\_DEGRADATION\_UBIQUITIN



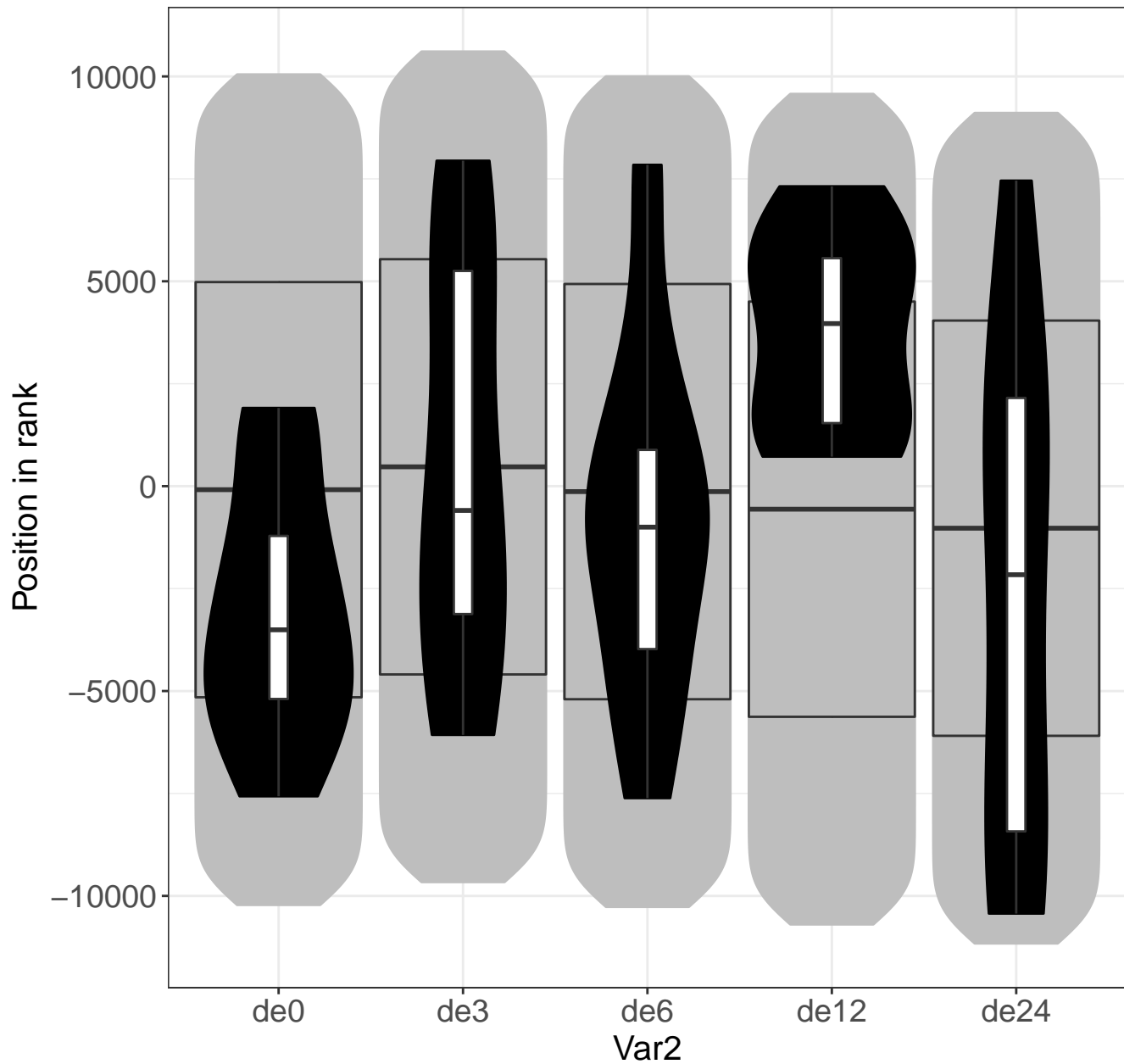
# SIGNALLING\_RECEPTOR\_KINASES\_CATHARANTHUS\_ROSEUS-LIKE\_RLK



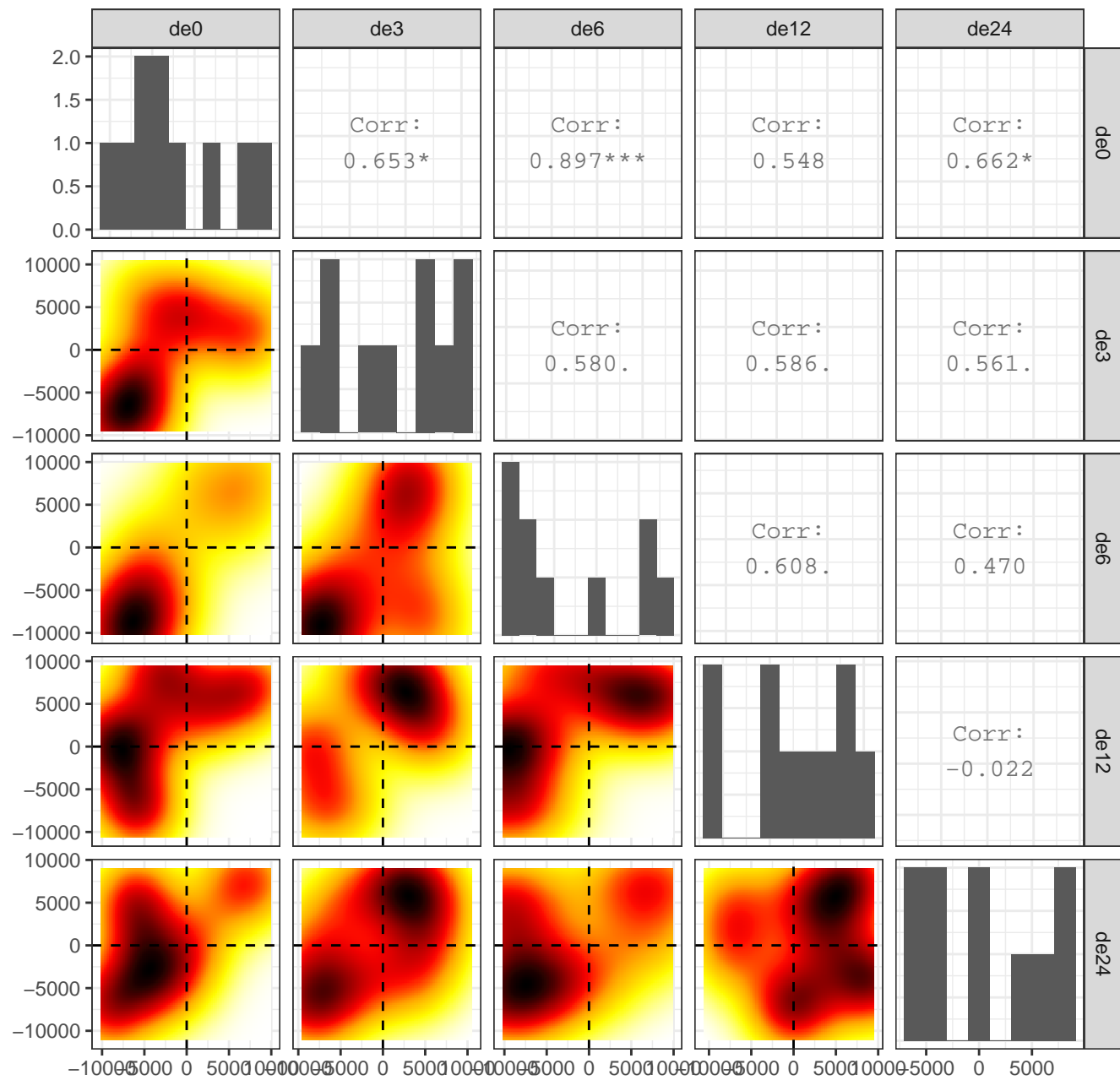
# SIGNALLING\_RECEPTOR\_KINASES\_CATHARANTHUS\_ROSEUS-LIKE\_RLK



# SIGNALLING\_RECEPTOR\_KINASES\_CATHAR

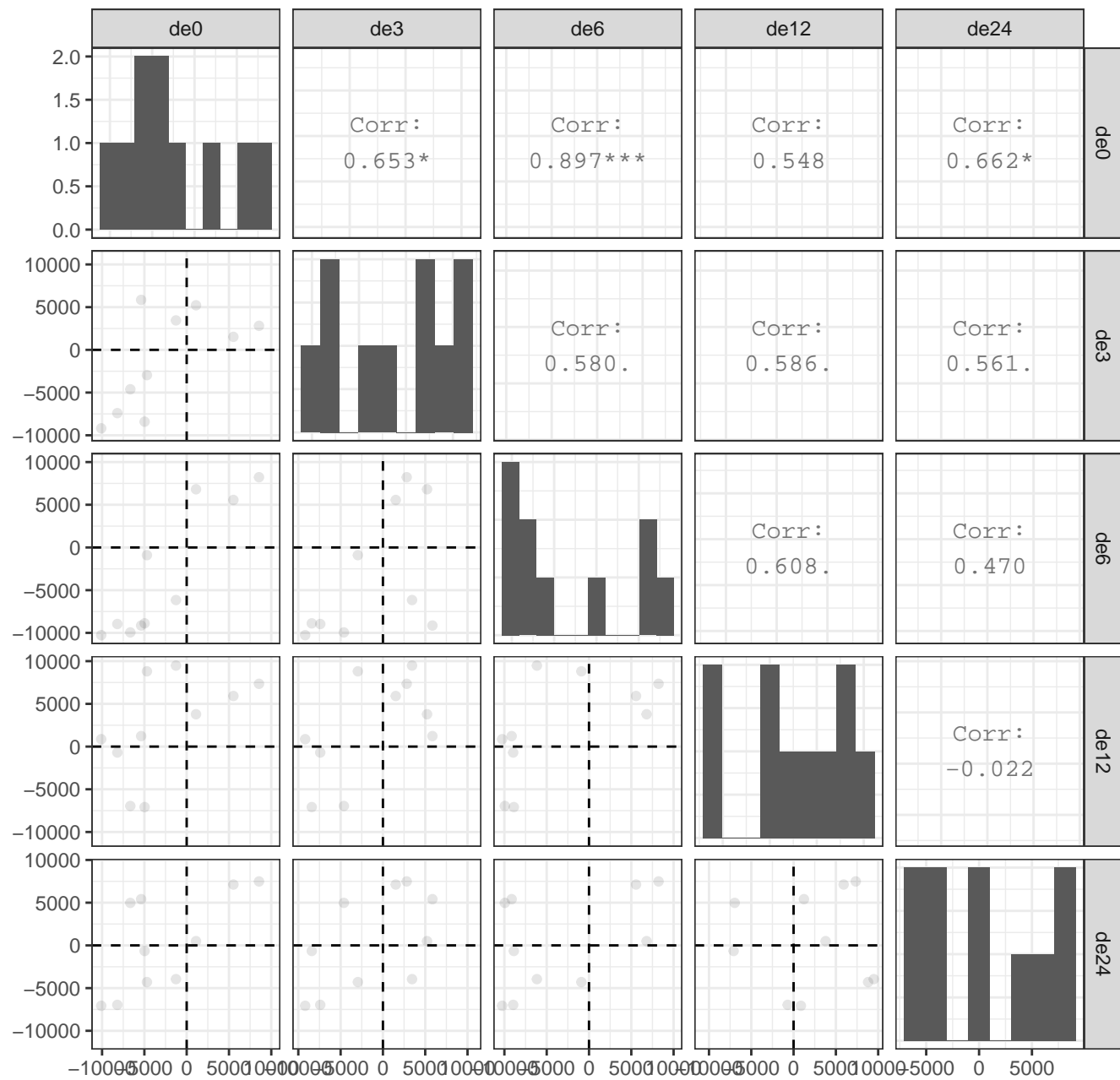


# PROTEIN\_POSTTRANSLATIONAL\_MODIFICATION\_KINASE\_RECEPTOR\_LIKE

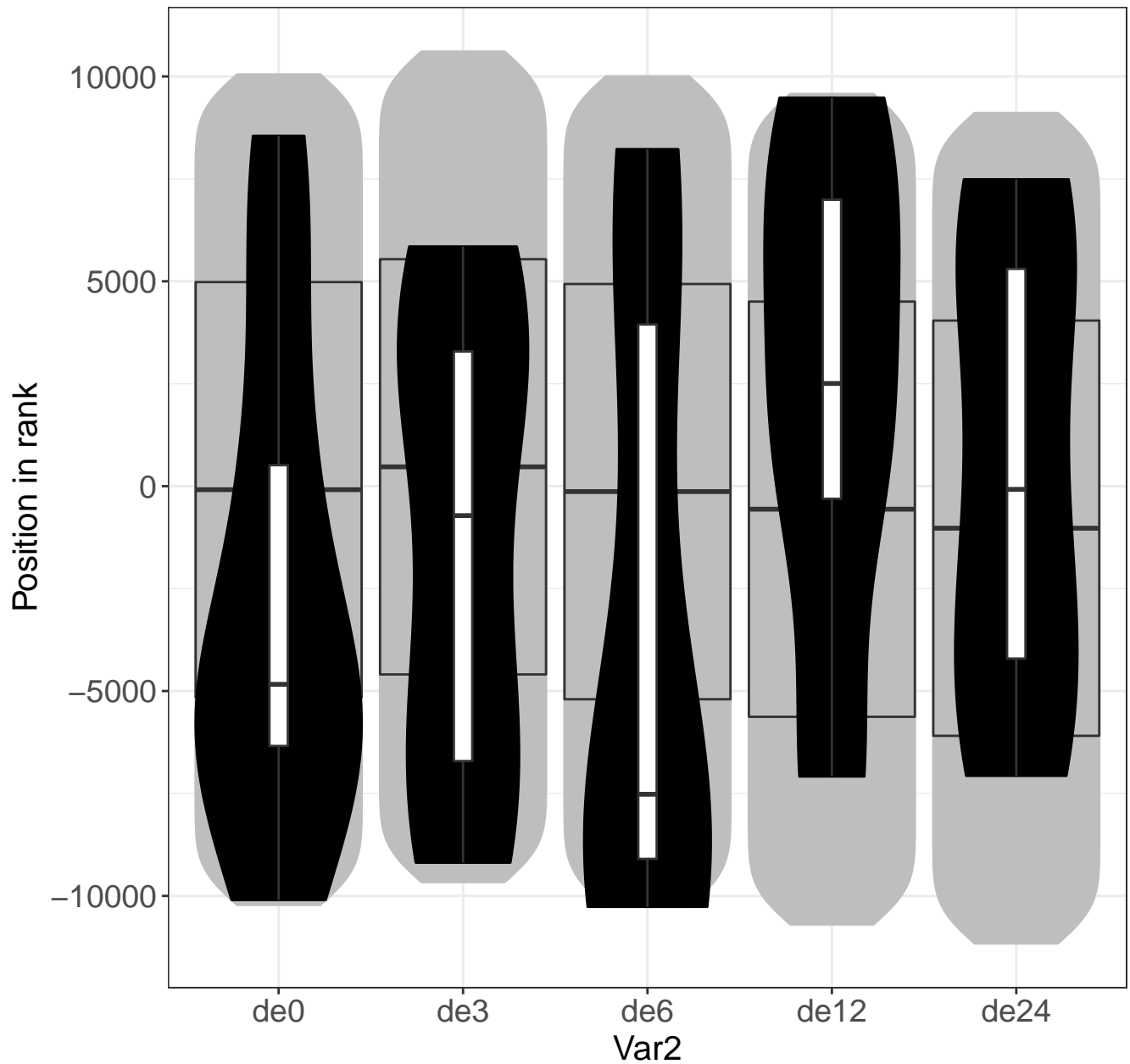




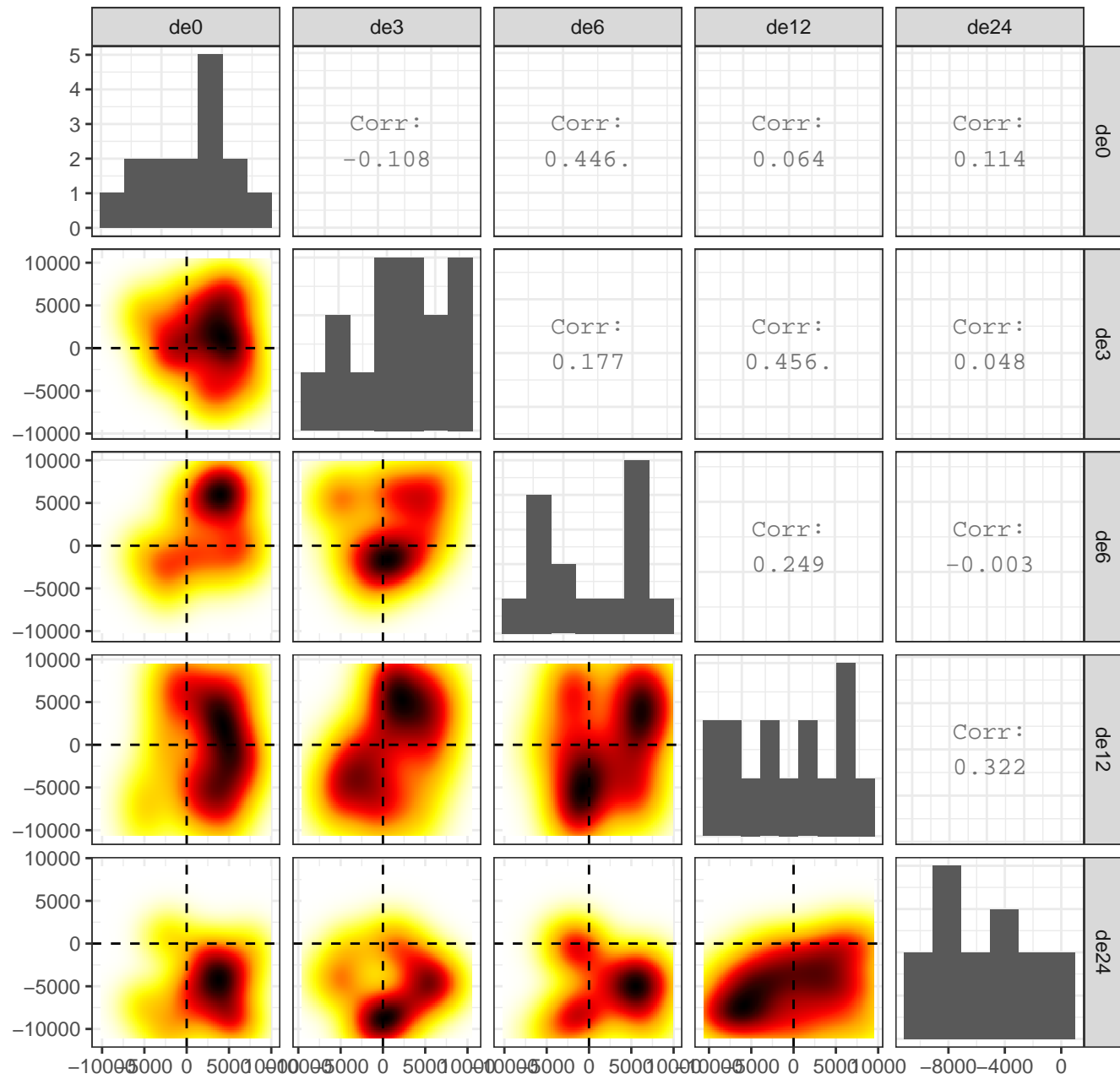
# PROTEIN\_POSTTRANSLATIONAL\_MODIFICATION\_KINASE\_RECEPTOR\_LIKE



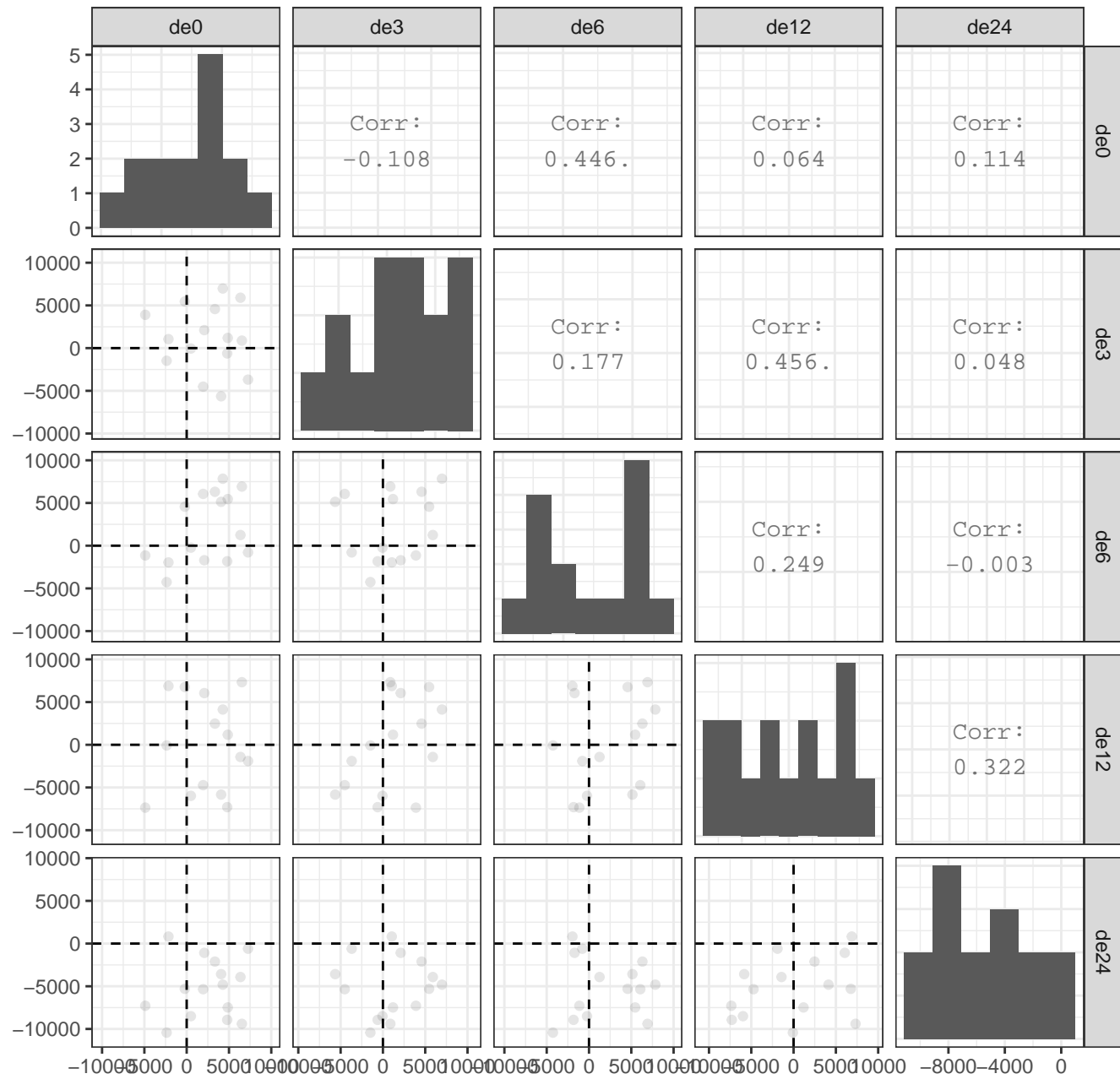
# PROTEIN\_POSTRANSLATIONAL\_MODIFICATION



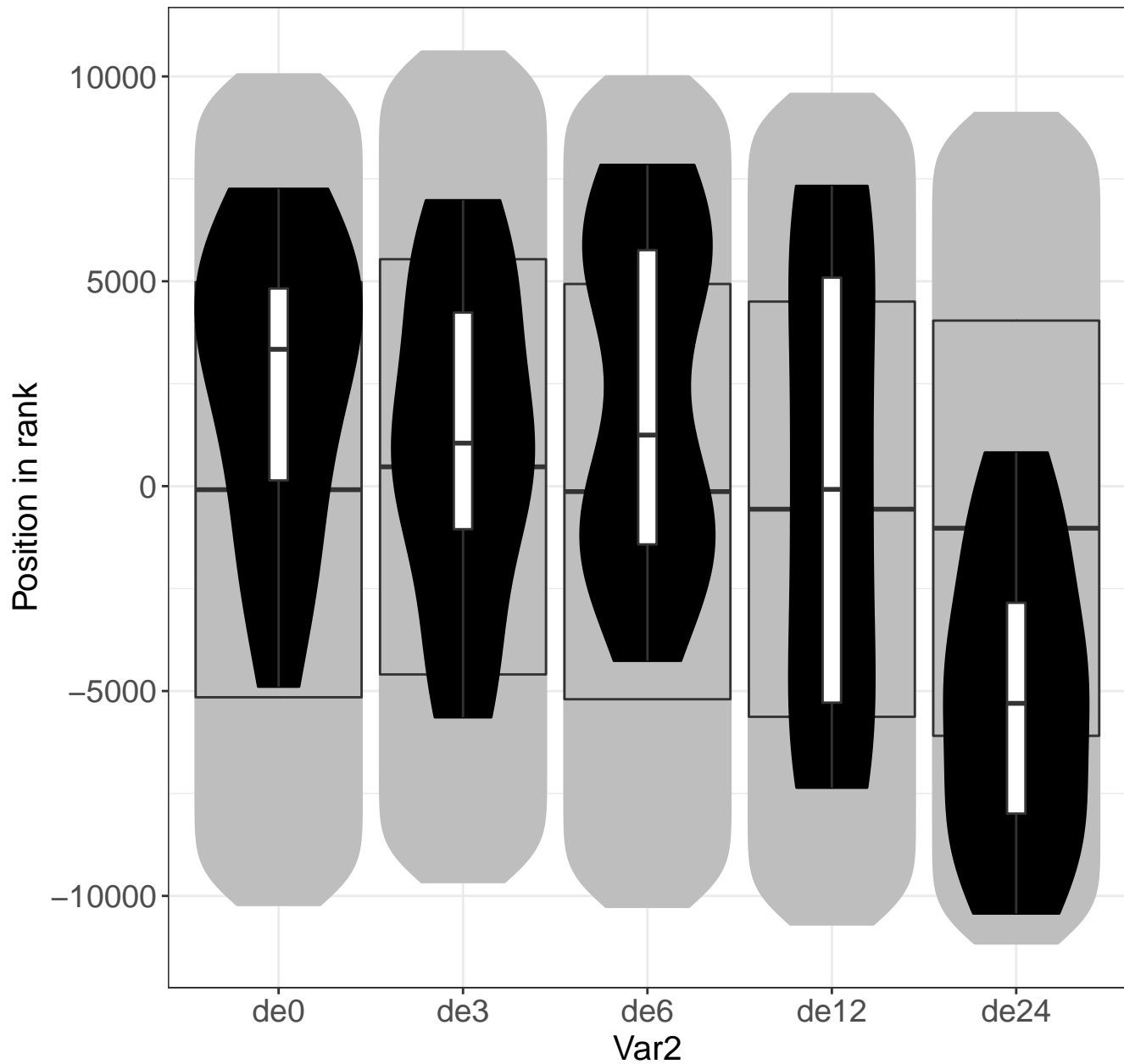
# PROTEIN\_AA\_ACTIVATION\_PSEUDOURIDYLATE\_SYNTHASE



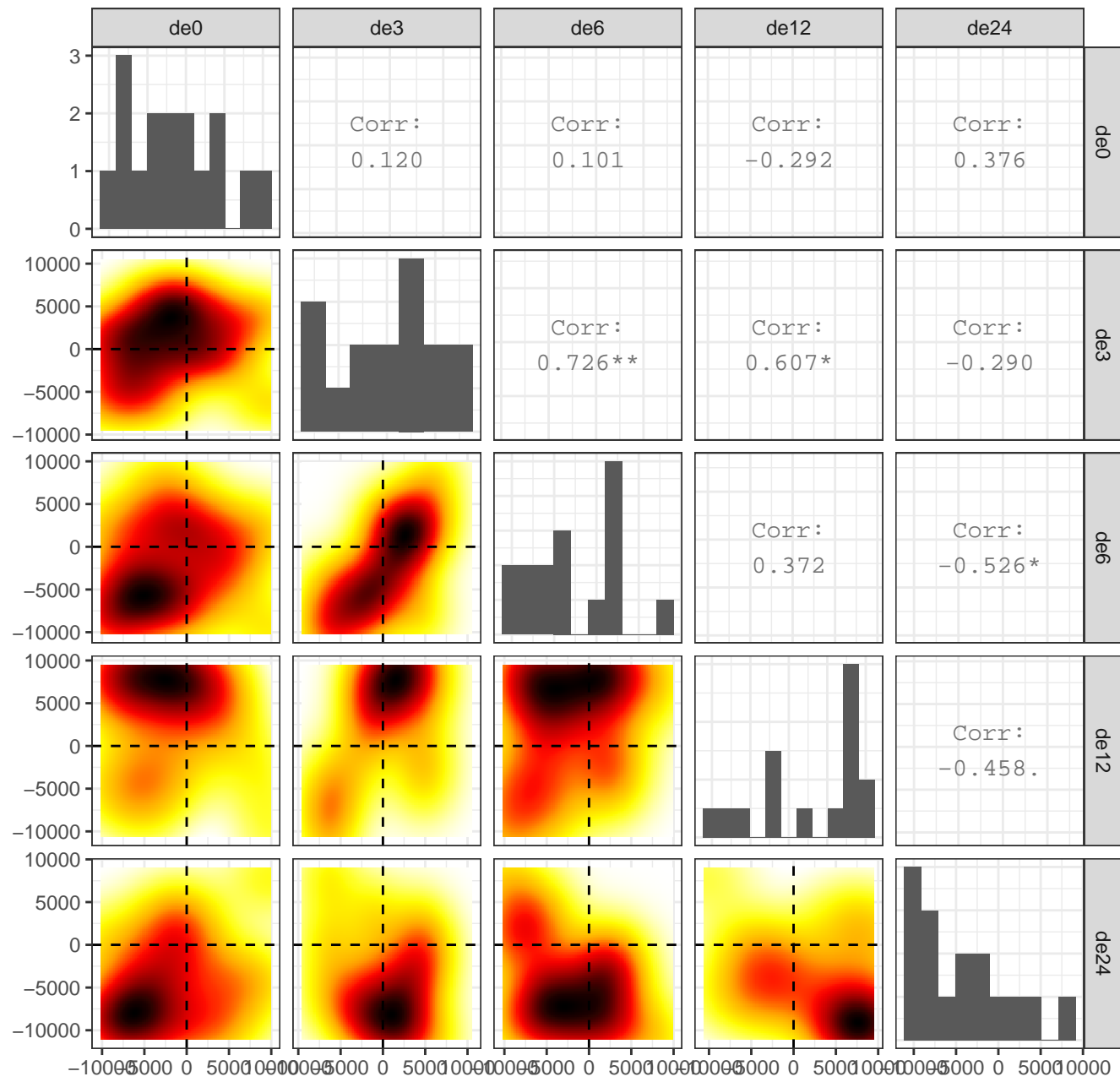
# PROTEIN\_AA\_ACTIVATION\_PSEUDOURIDYLATE\_SYNTHASE



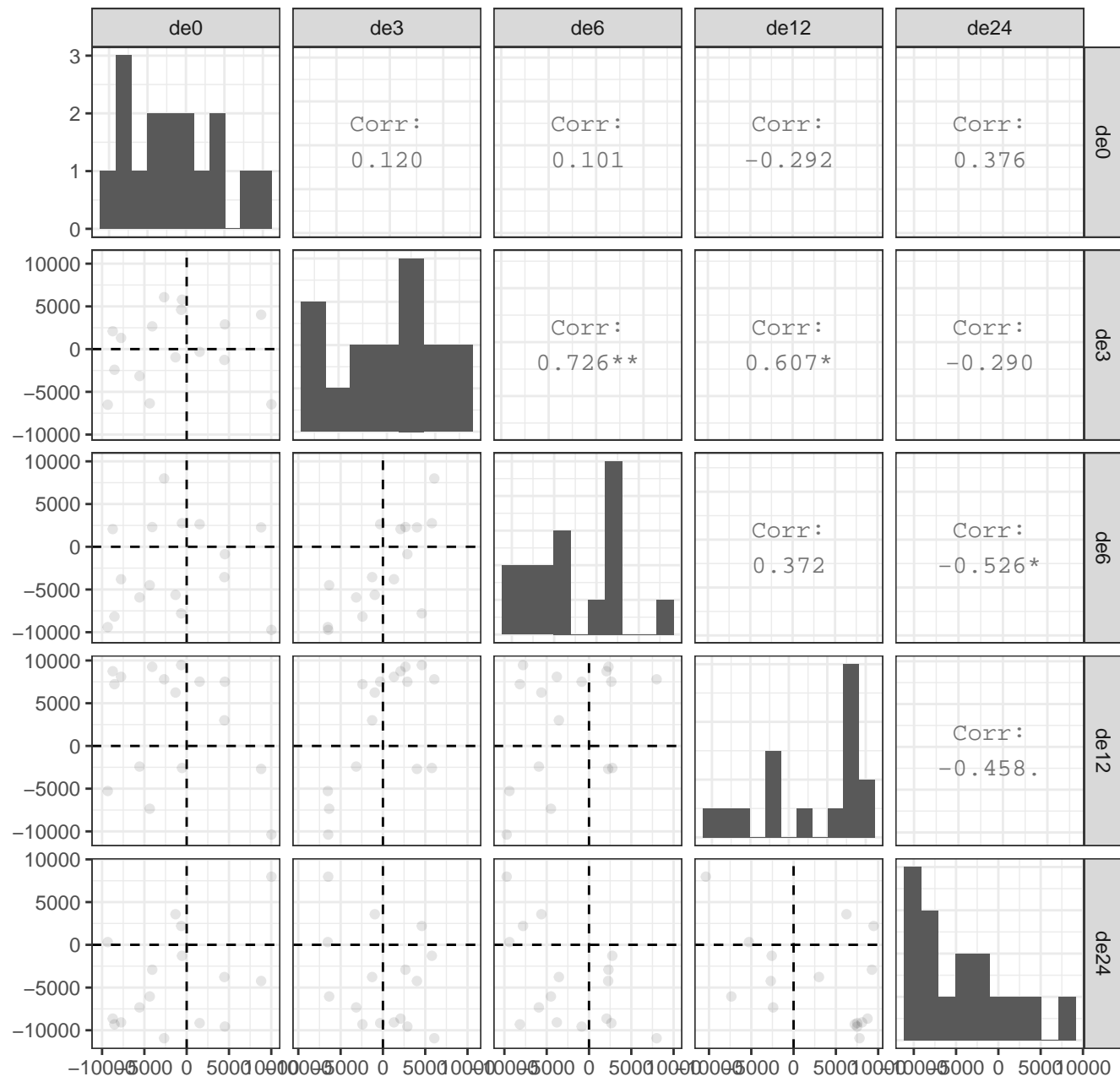
# PROTEIN\_AA\_ACTIVATION\_PSEUDOURIDYLA



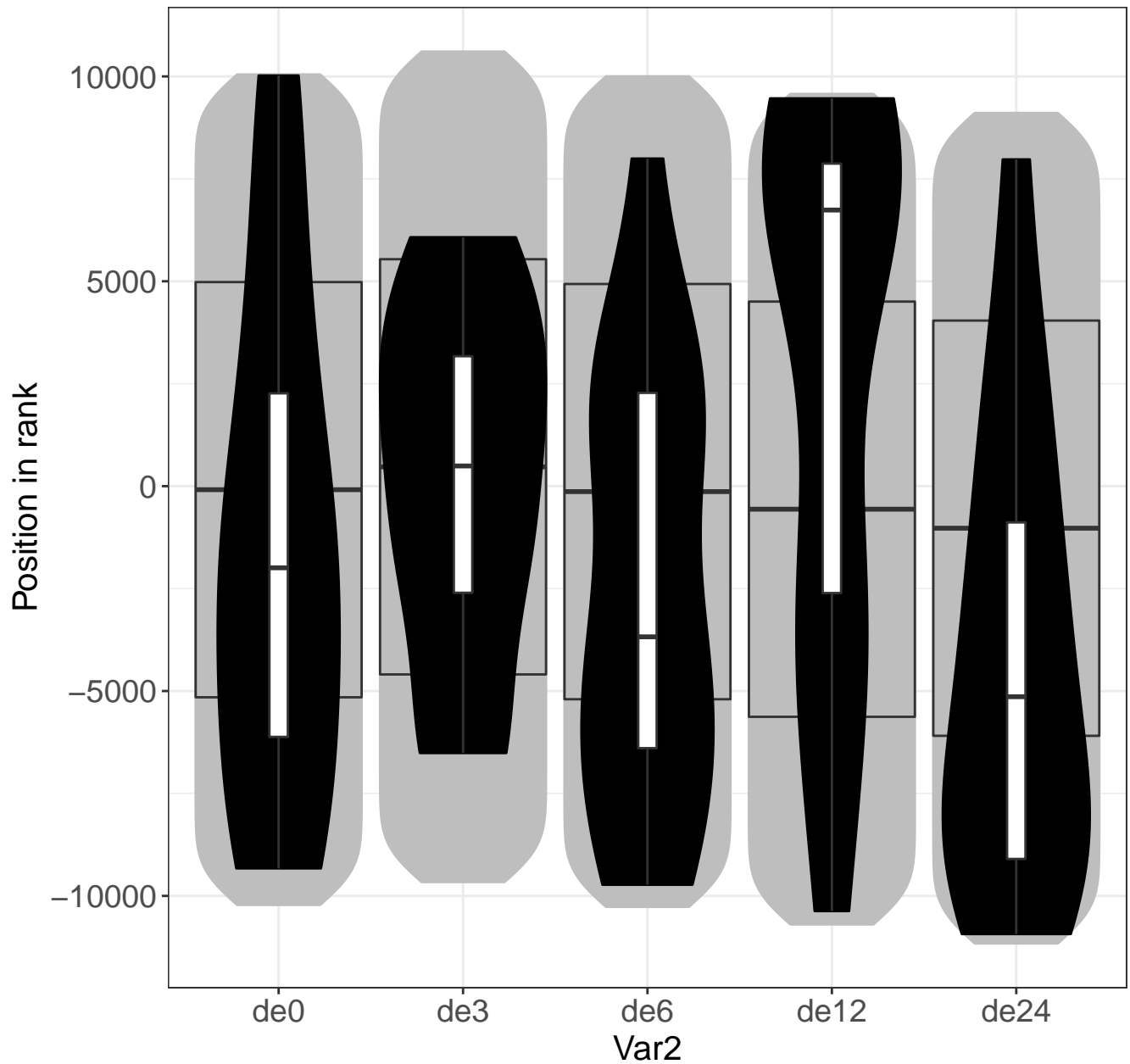
# SIGNALLING\_RECEPTOR\_KINASES\_S-LOCUS\_GLYCOPROTEIN\_LIKE



# SIGNALLING\_RECEPTOR\_KINASES\_S-LOCUS\_GLYCOPROTEIN\_LIKE

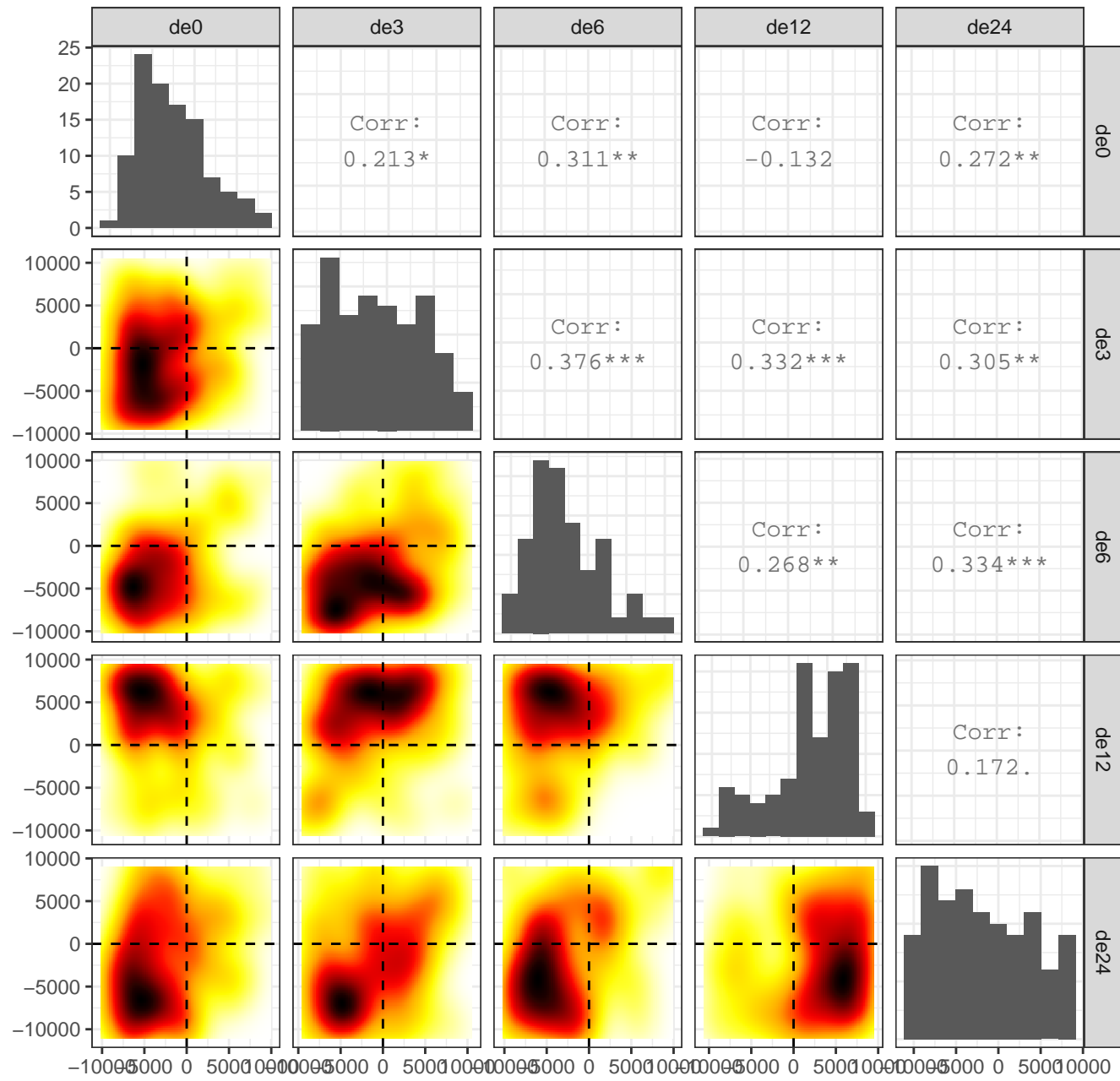


# SIGNALLING\_RECEPTOR\_KINASES\_S-LOCU

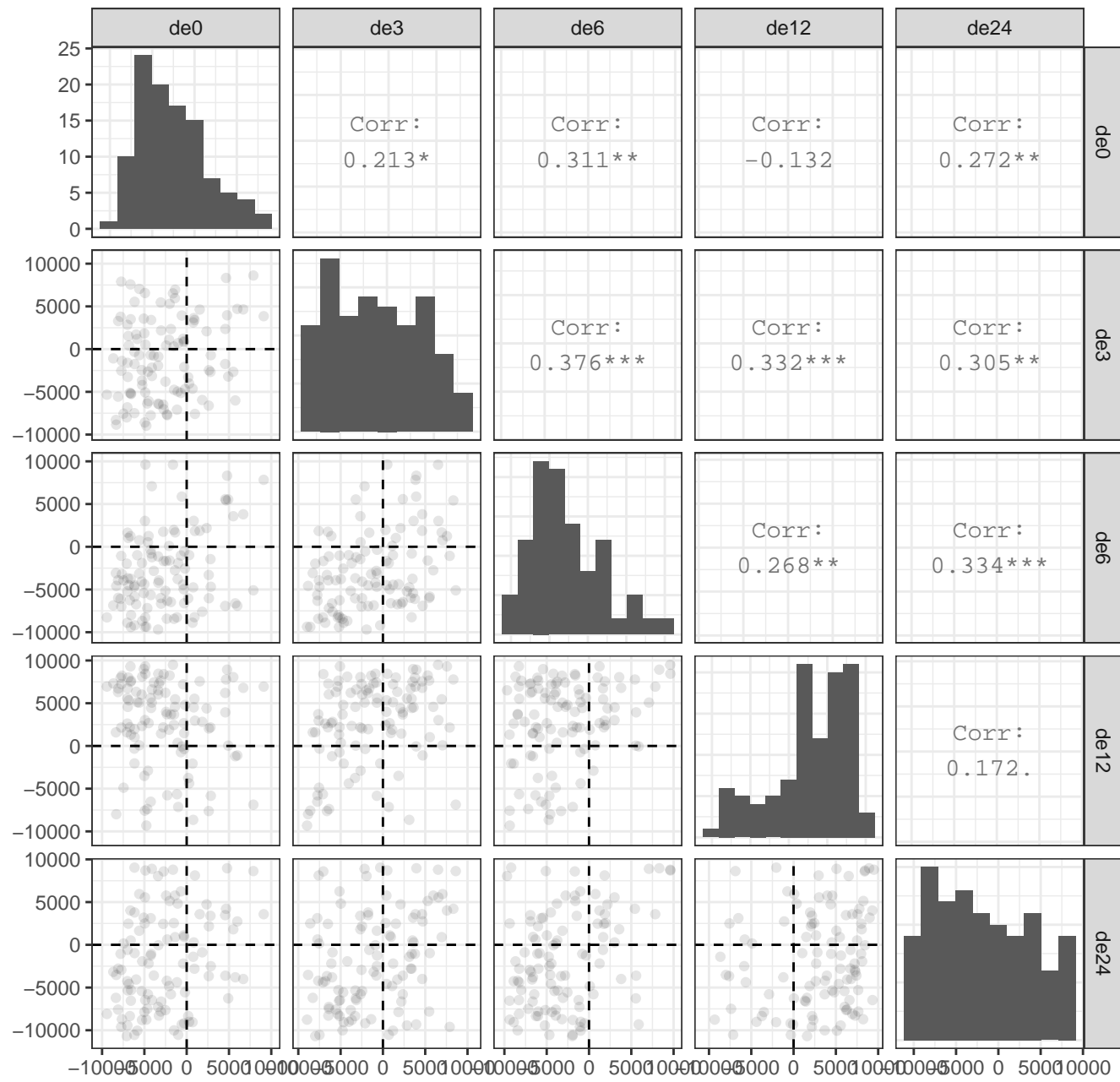




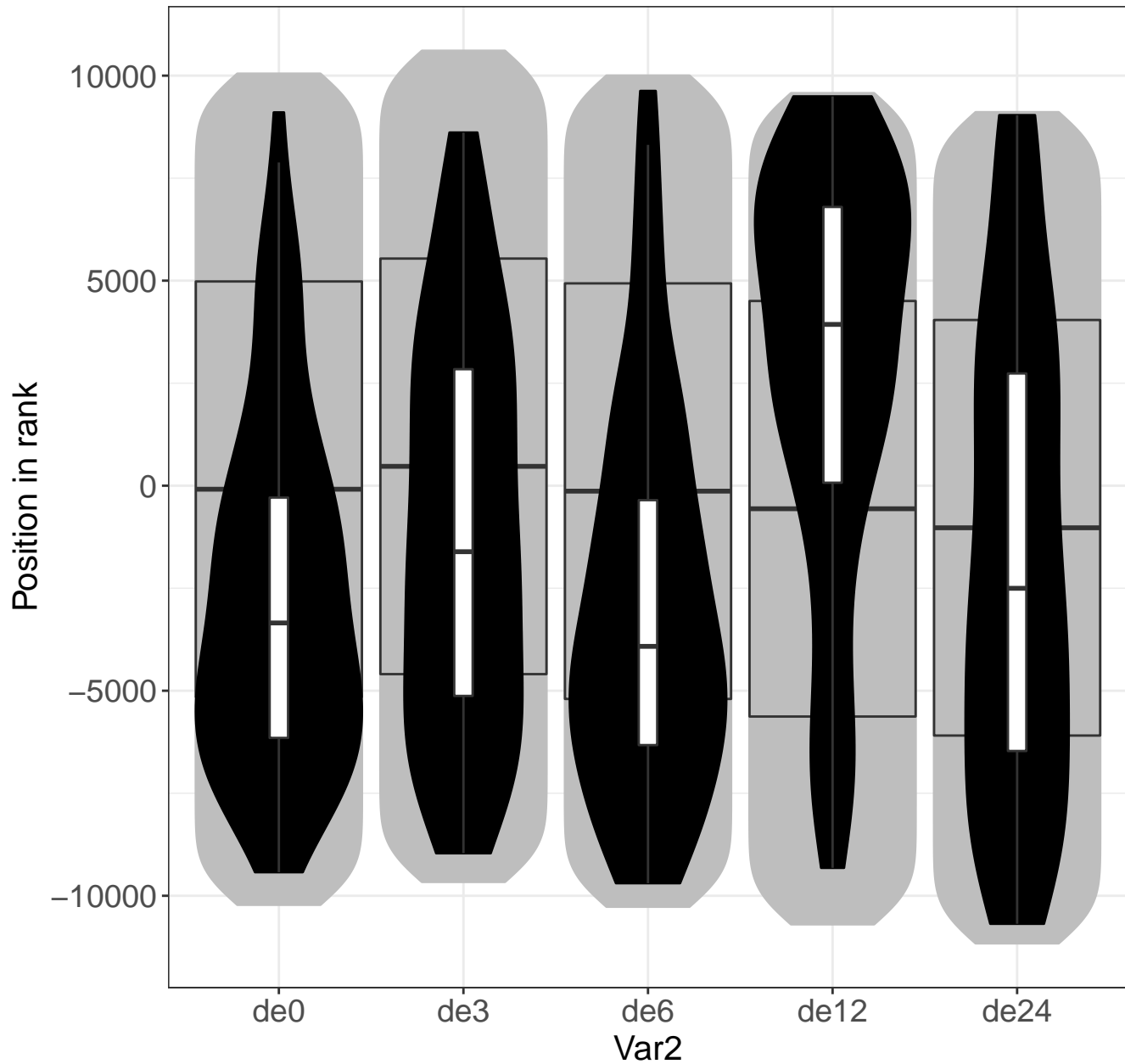
# STRESS\_BIOTIC\_PR-PROTEINS



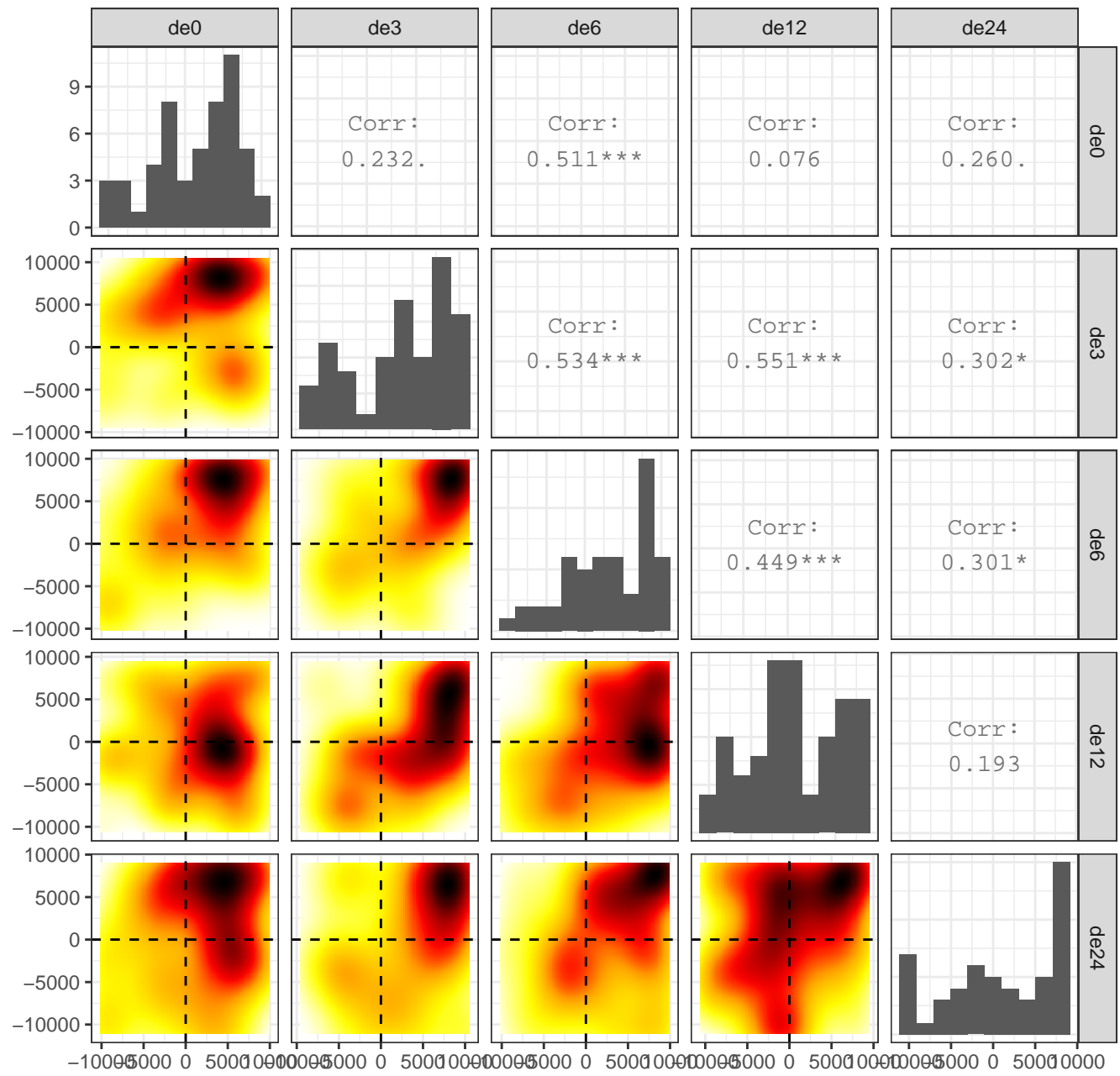
# STRESS\_BIOTIC\_PR-PROTEINS



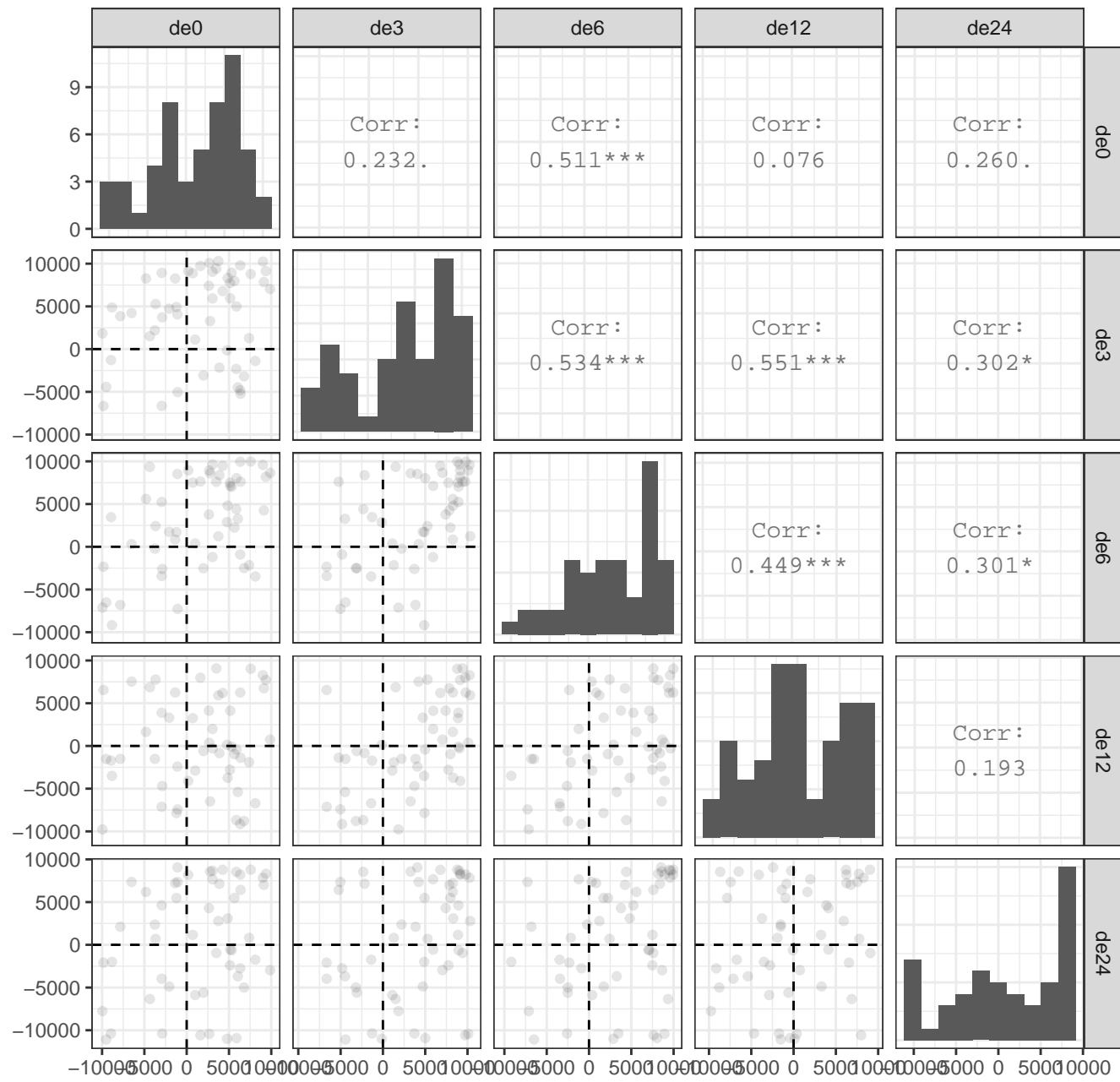
# STRESS\_BIOTIC\_PR-PROTEINS



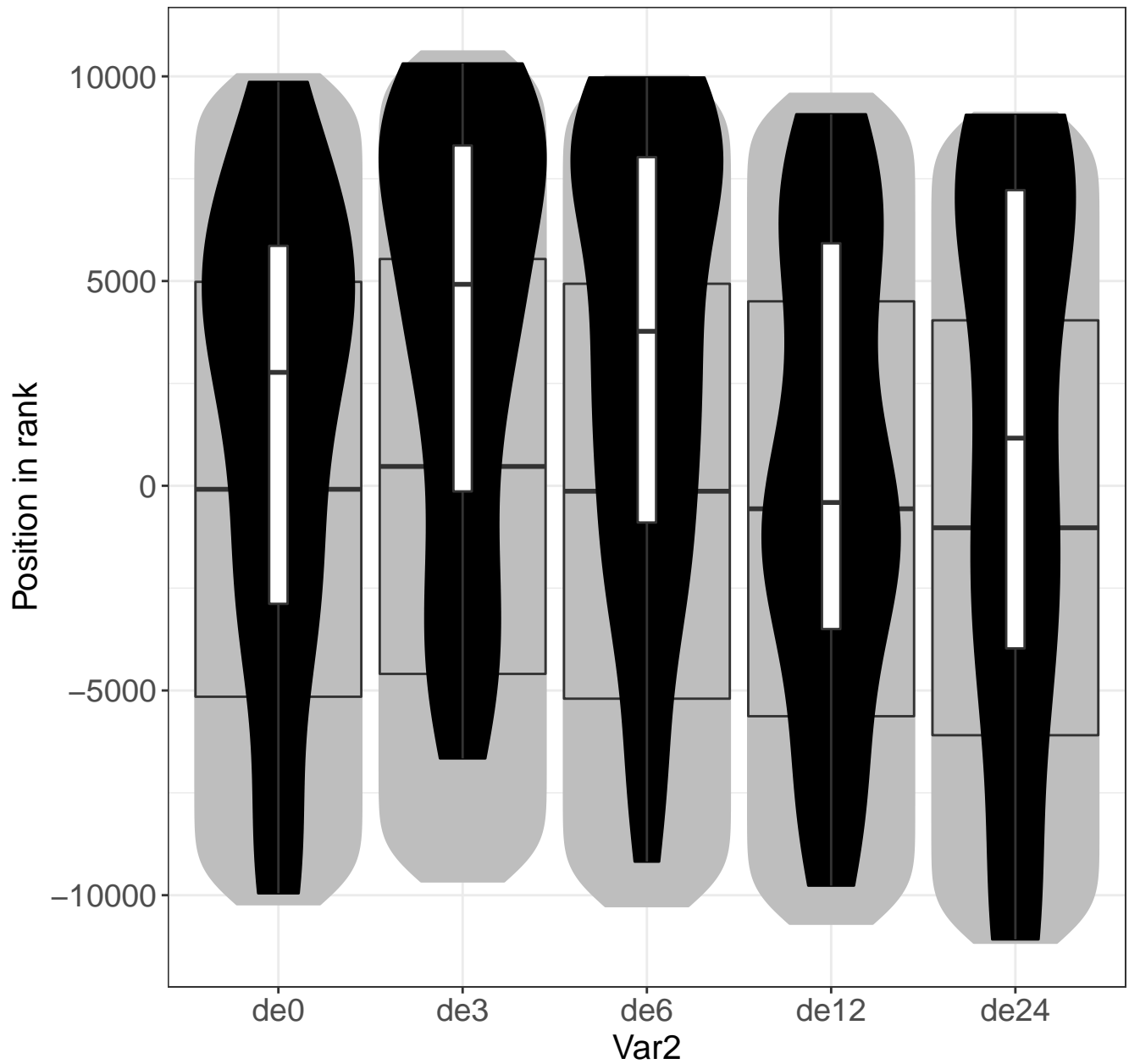
# CELL\_WALL\_DEGRADATION\_PECTATE\_LYASES\_AND\_POLYGALACTURONASE



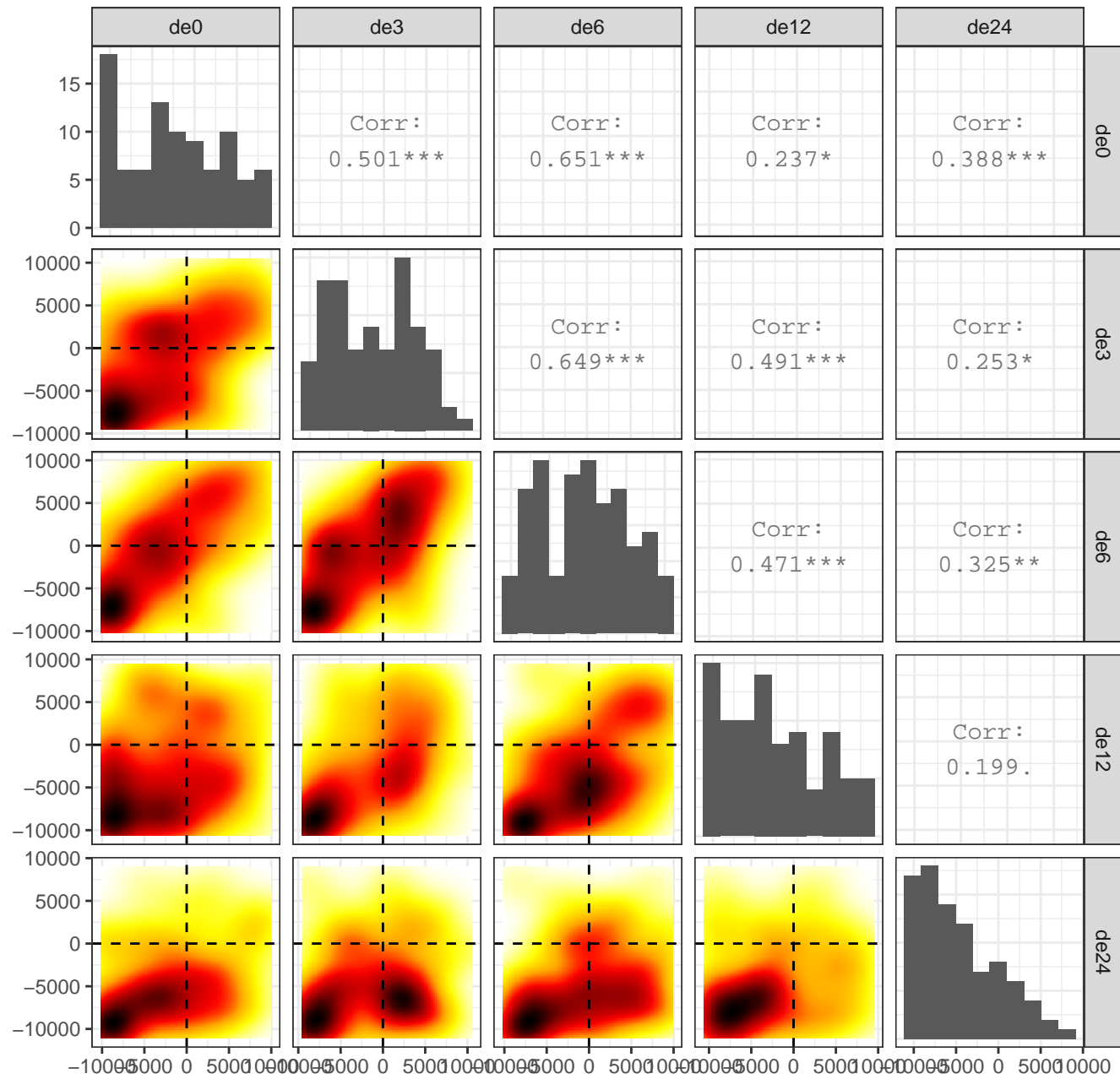
# CELL\_WALL\_DEGRADATION\_PECTATE\_LYASES\_AND\_POLYGALACTURONASE



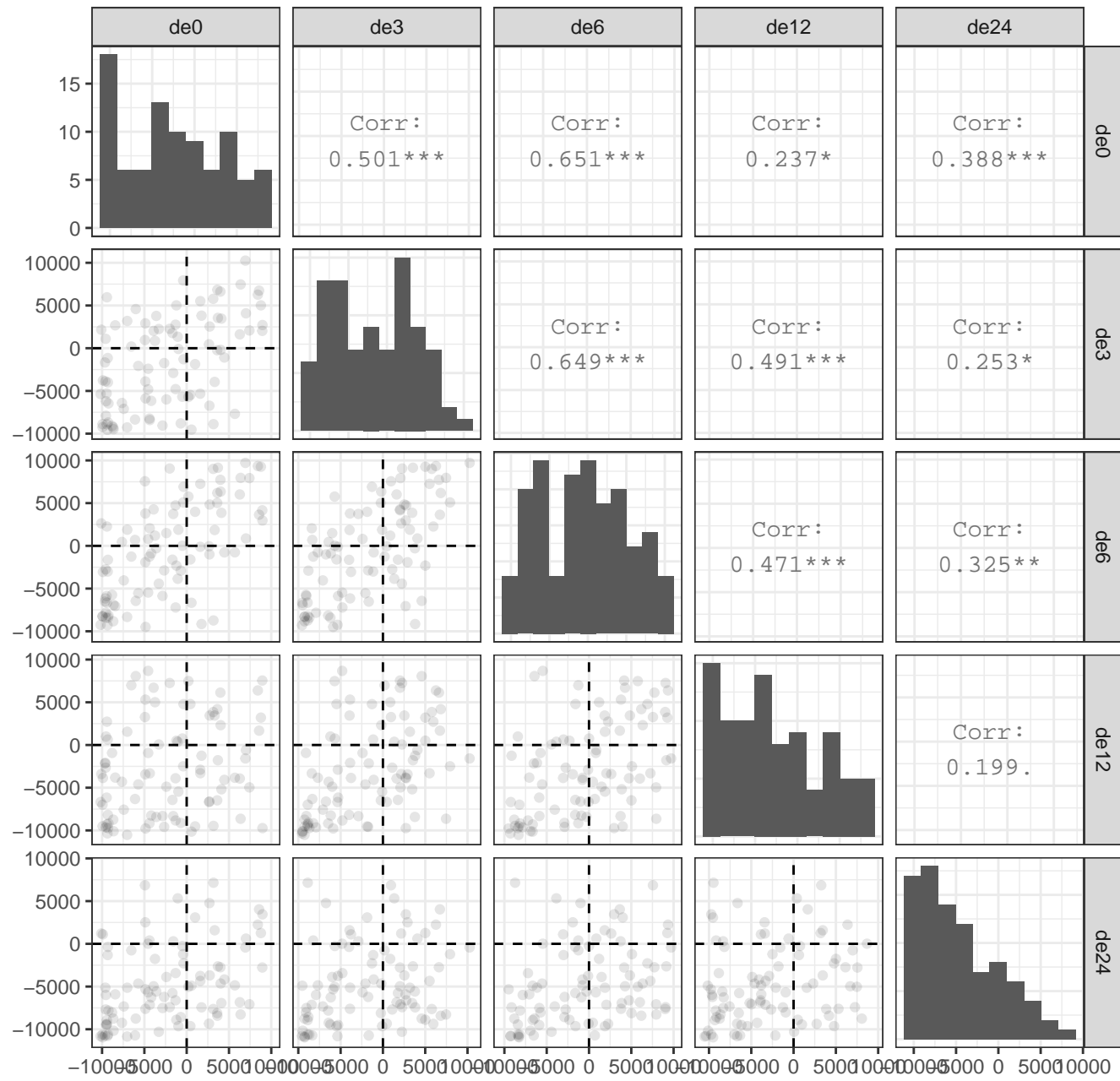
# CELL\_WALL\_DEGRADATION\_PECTATE\_LYASE



# RNA\_RNA\_BINDING

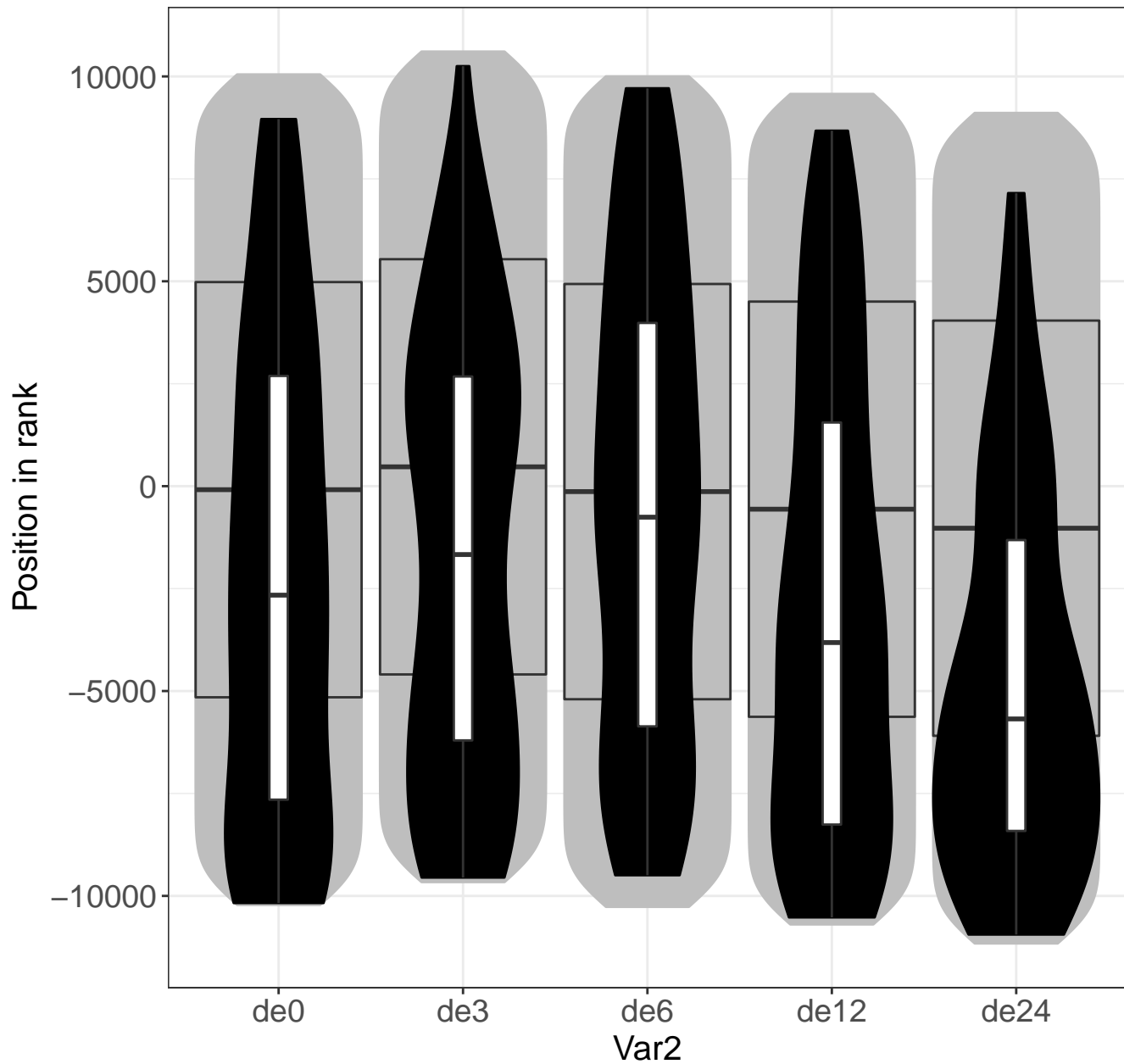


# RNA\_RNA\_BINDING

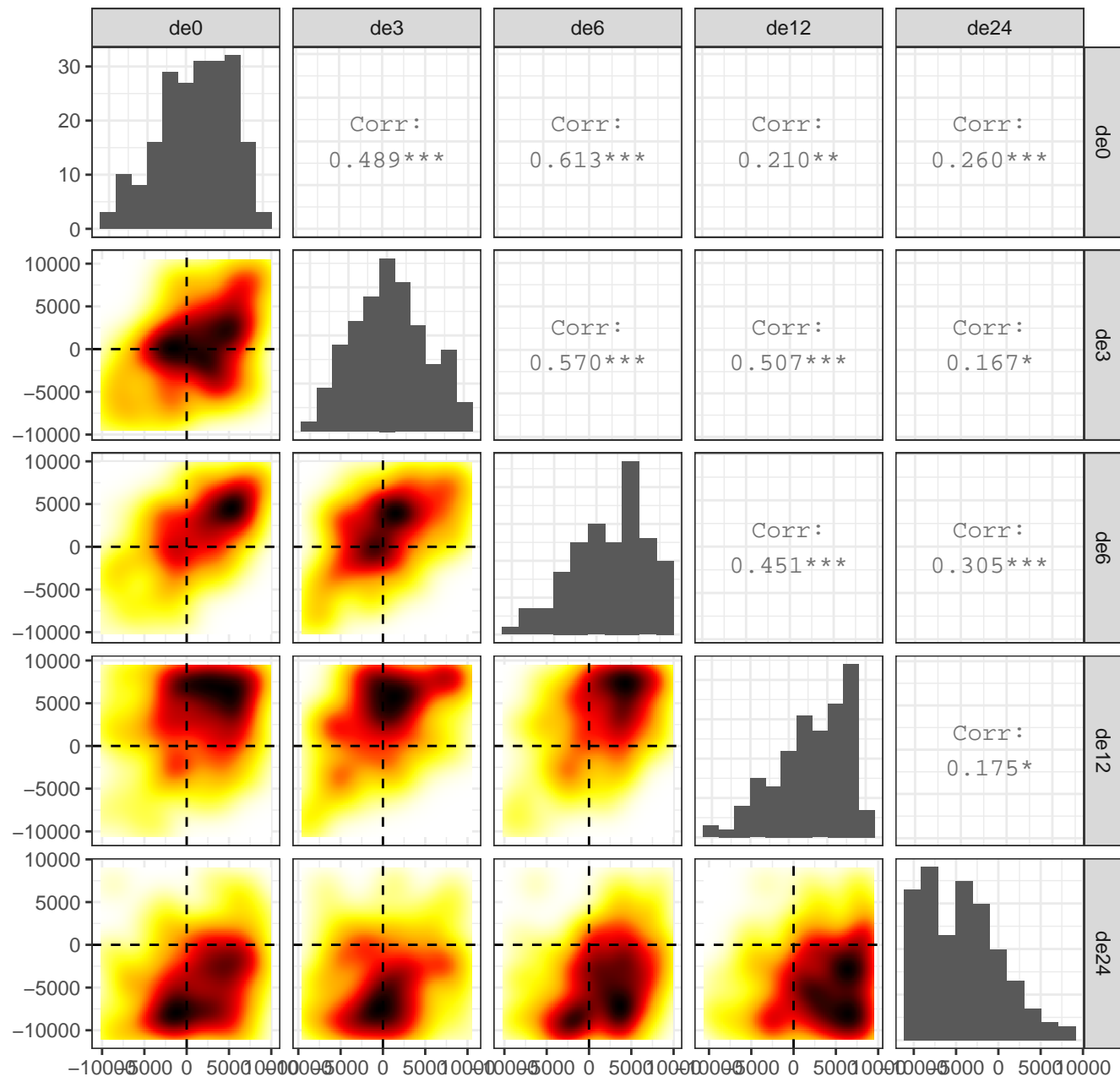




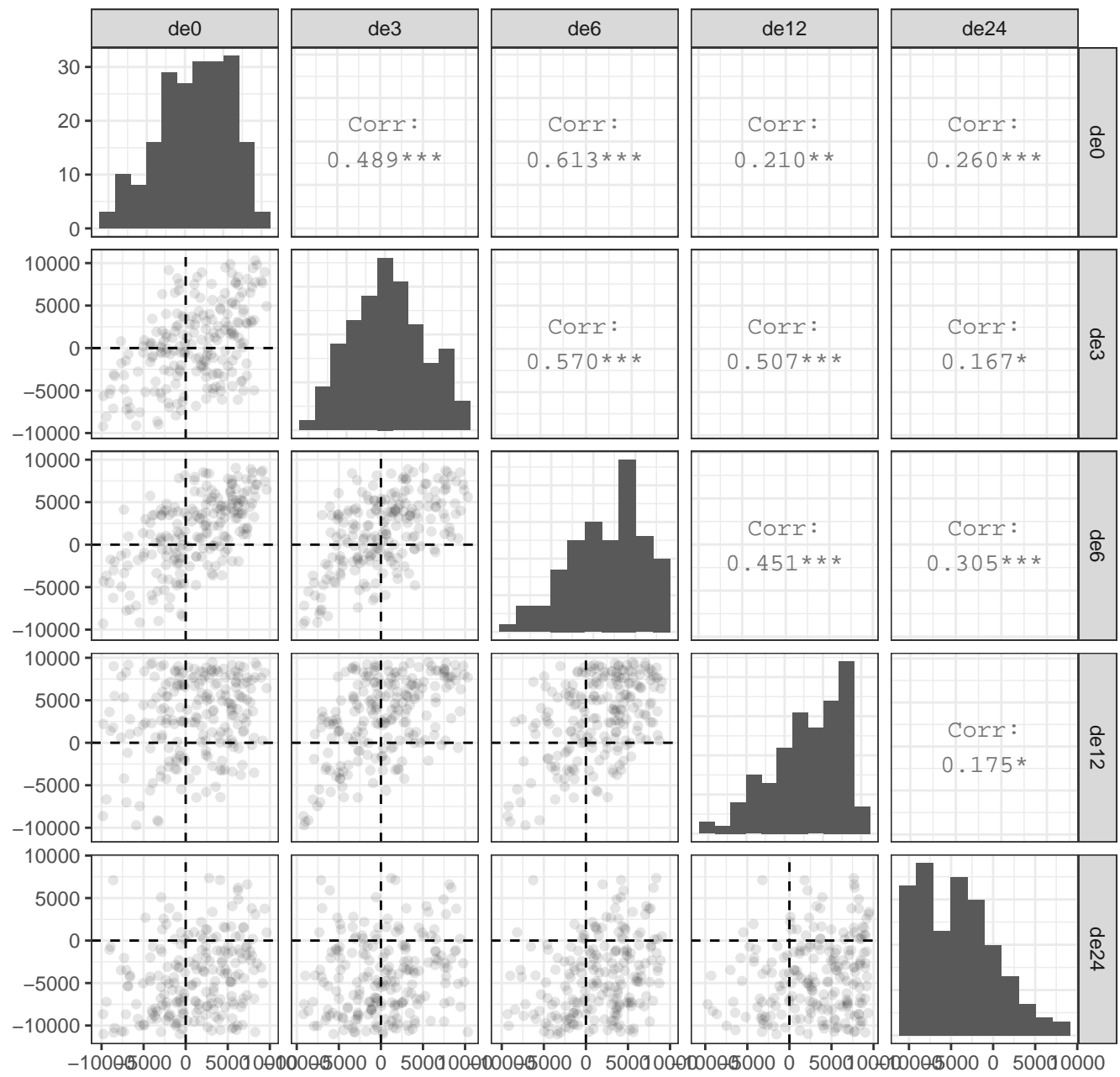
# RNA\_RNA\_BINDING



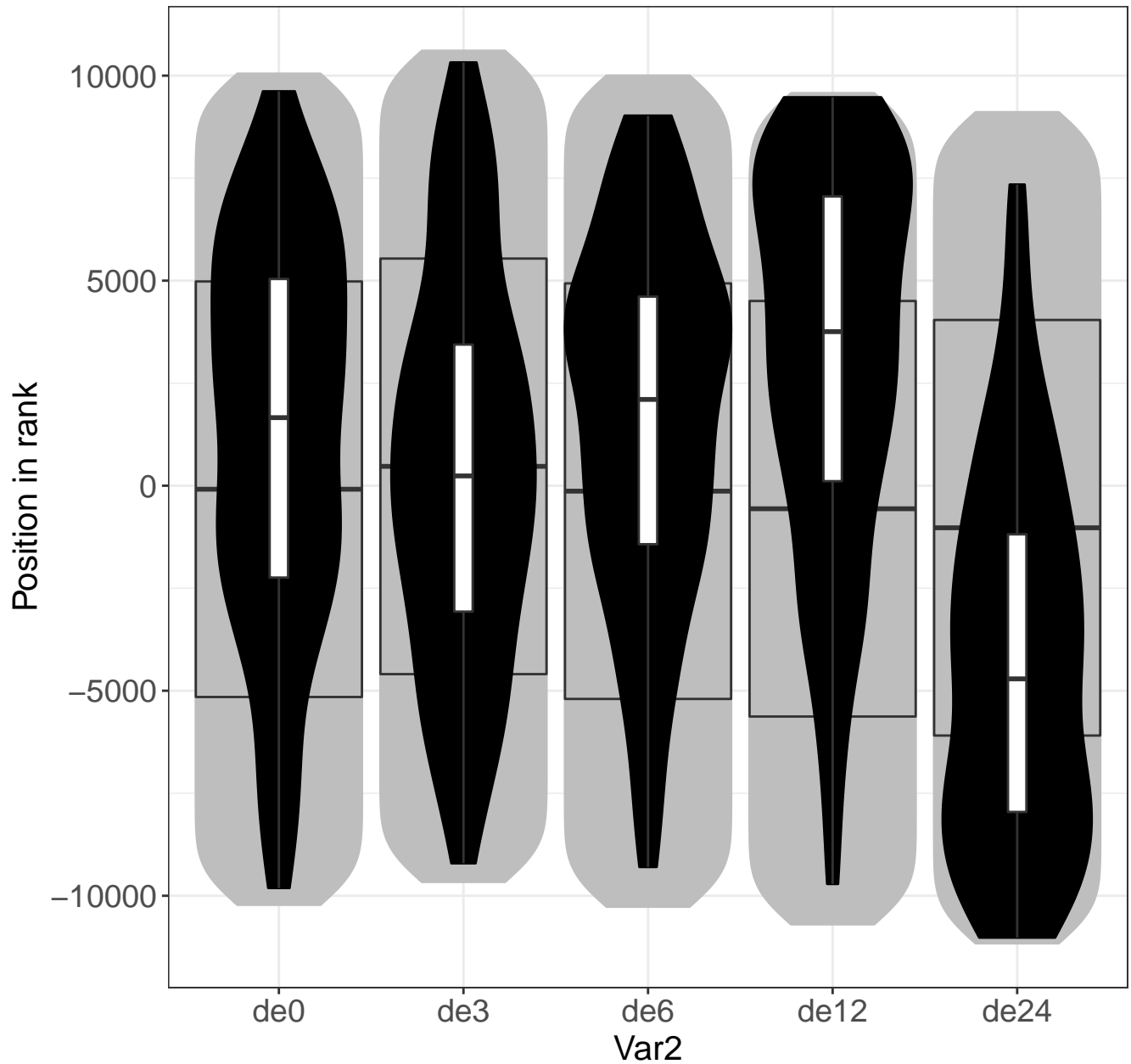
# NOT\_ASSIGNED\_NO\_ONTOLOGY\_PENTATRICOPEPTIDE\_(PPR)\_REPEAT-C



# NOT\_ASSIGNED\_NO\_ONTOLOGY\_PENTATRICOPEPTIDE\_(PPR)\_REPEAT-C

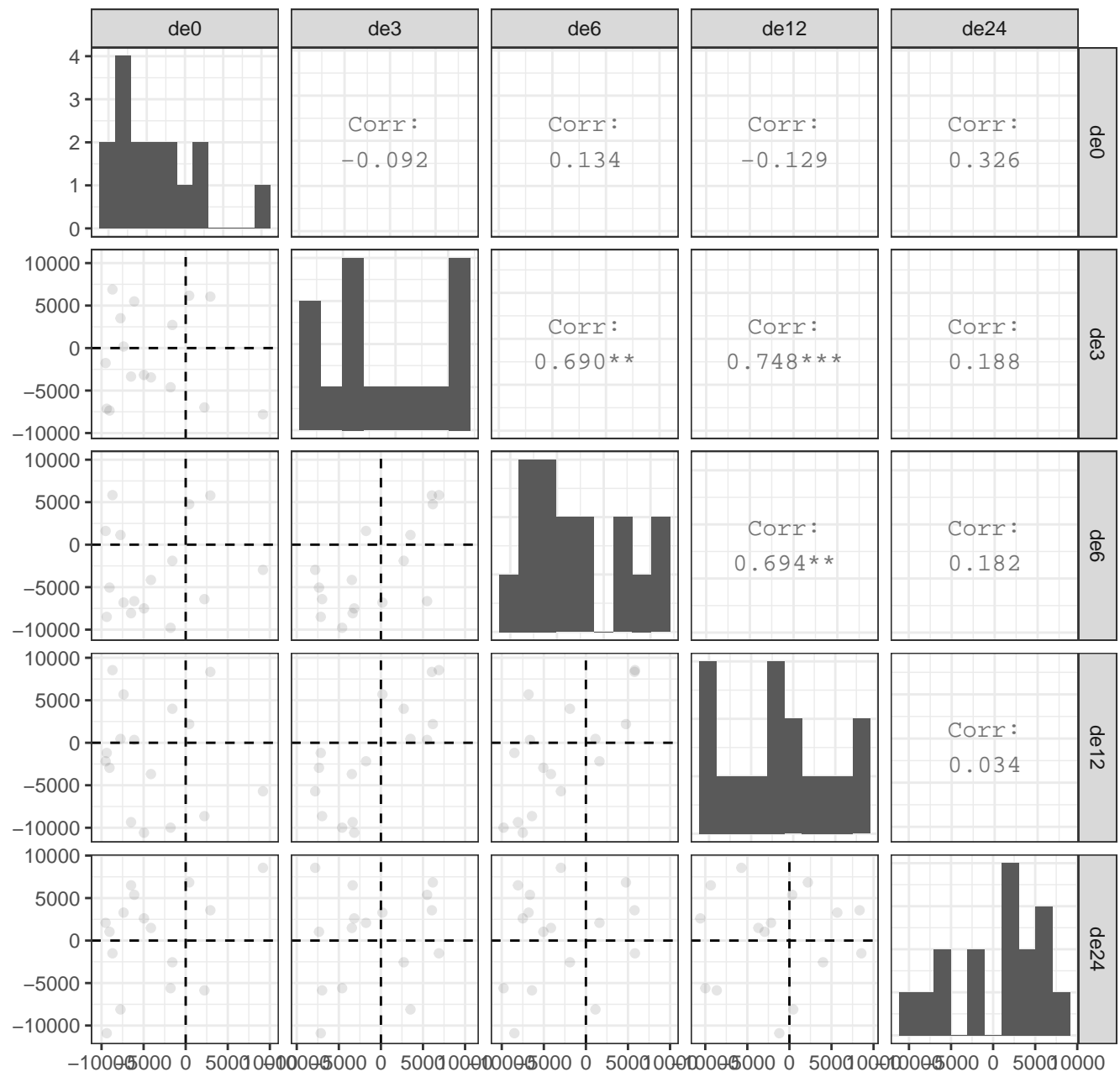


## NOT\_ASSIGNED\_NO\_ONTOLOGY\_PENTATRIC

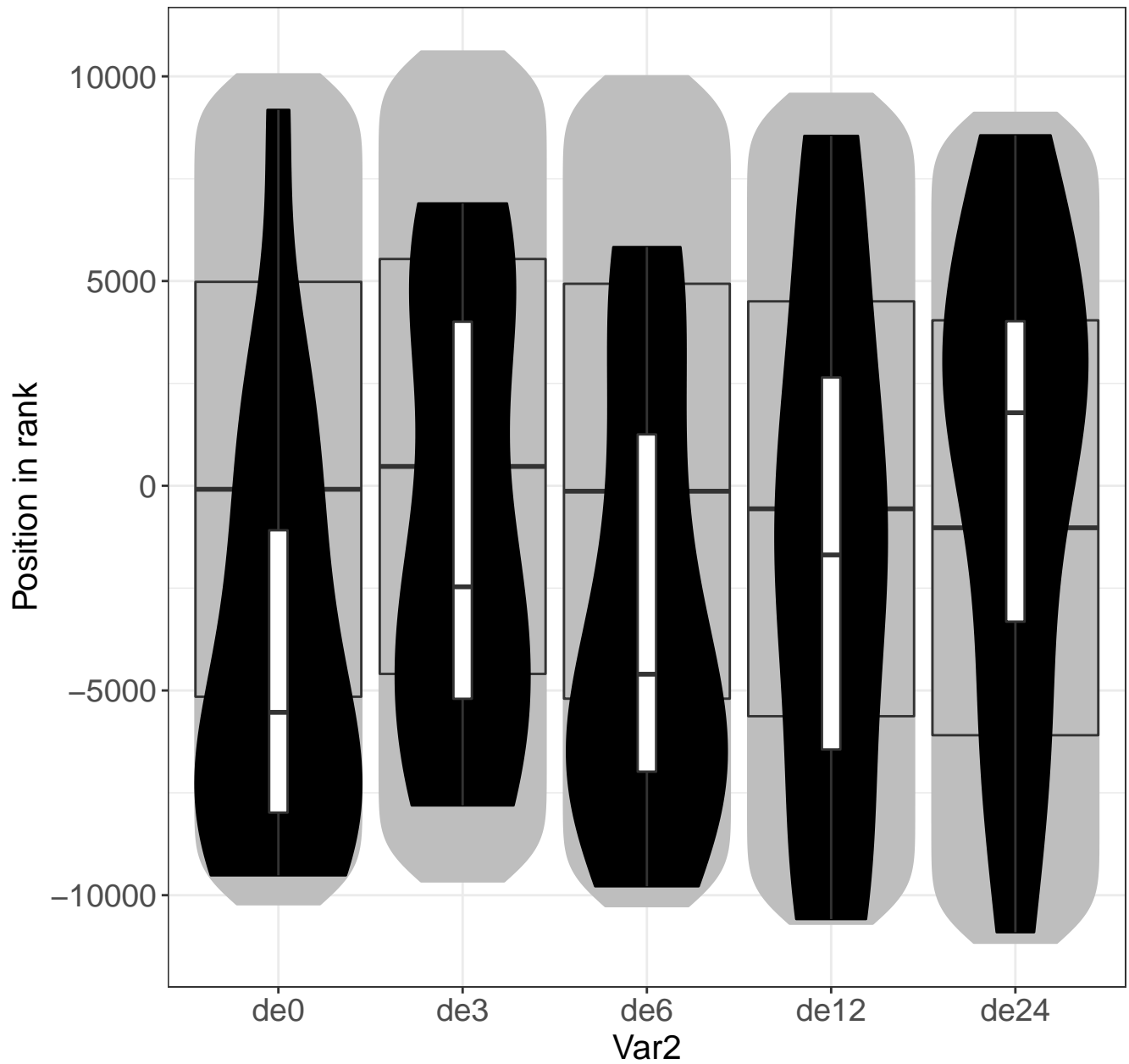




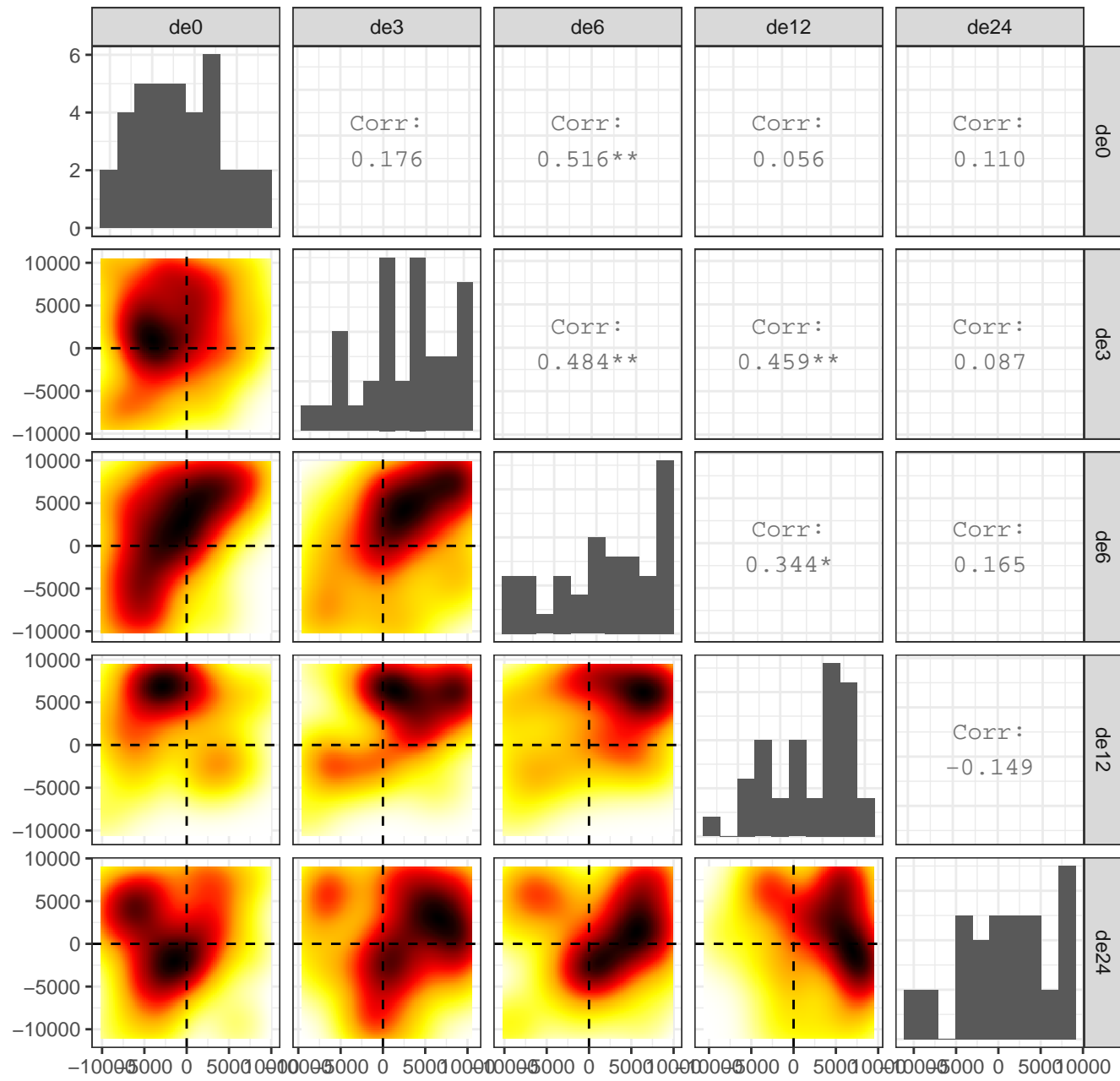
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_MYB-RELATED\_TRANSCRIPTION



# RNA\_REGULATION\_OF\_TRANSCRIPTION\_MY

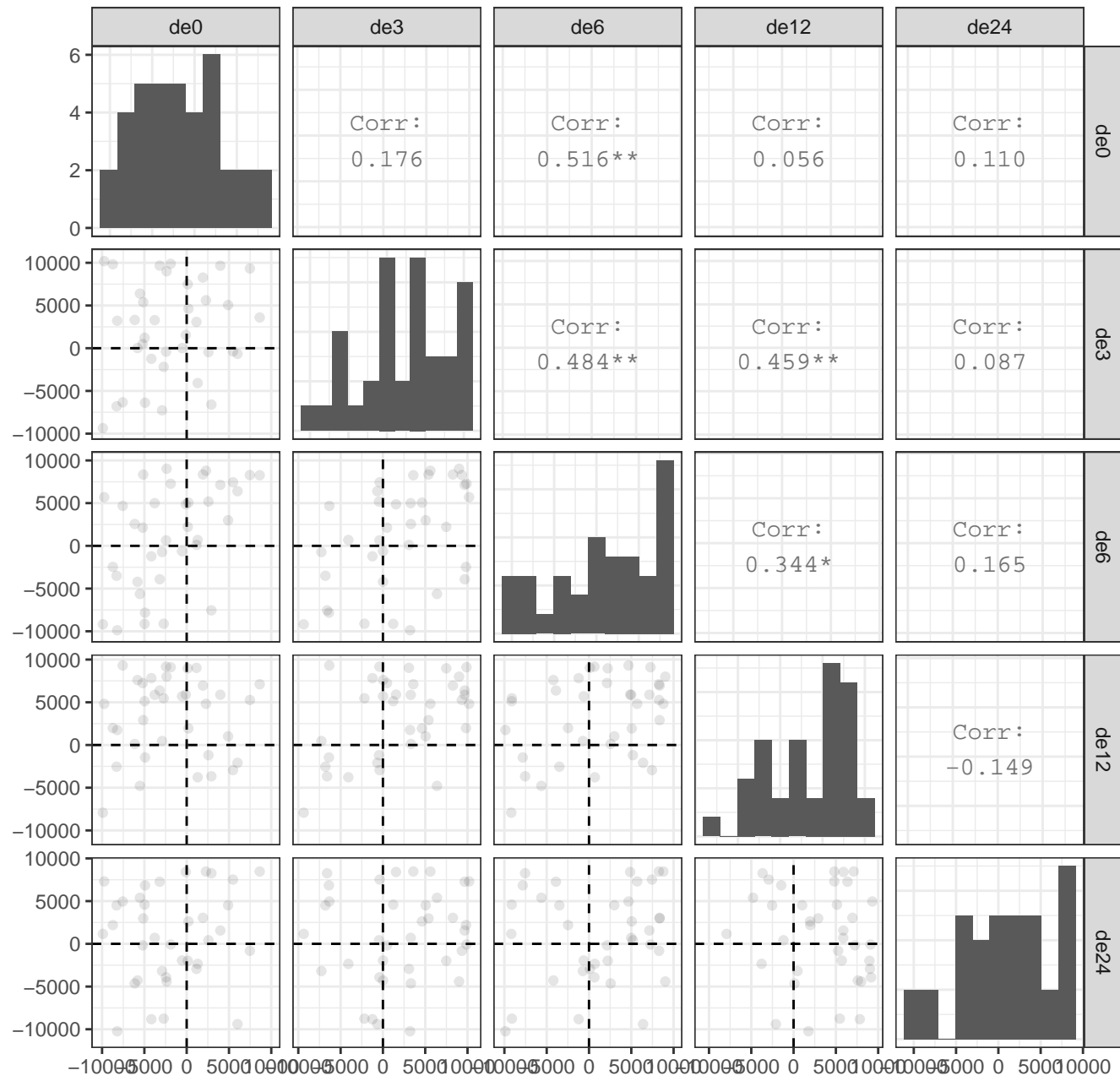


# SIGNALLING\_RECEPTOR\_KINASES\_MISC

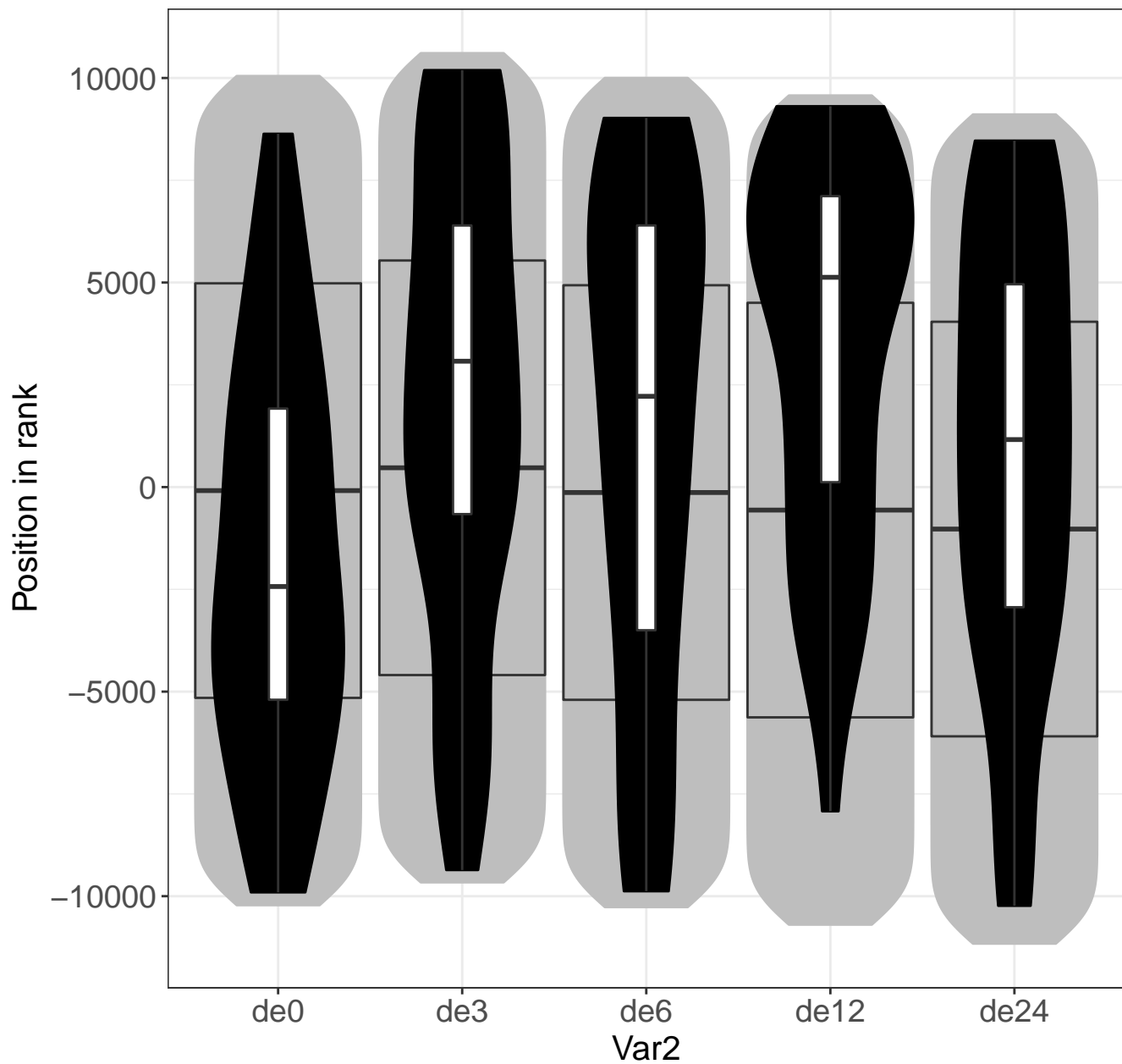




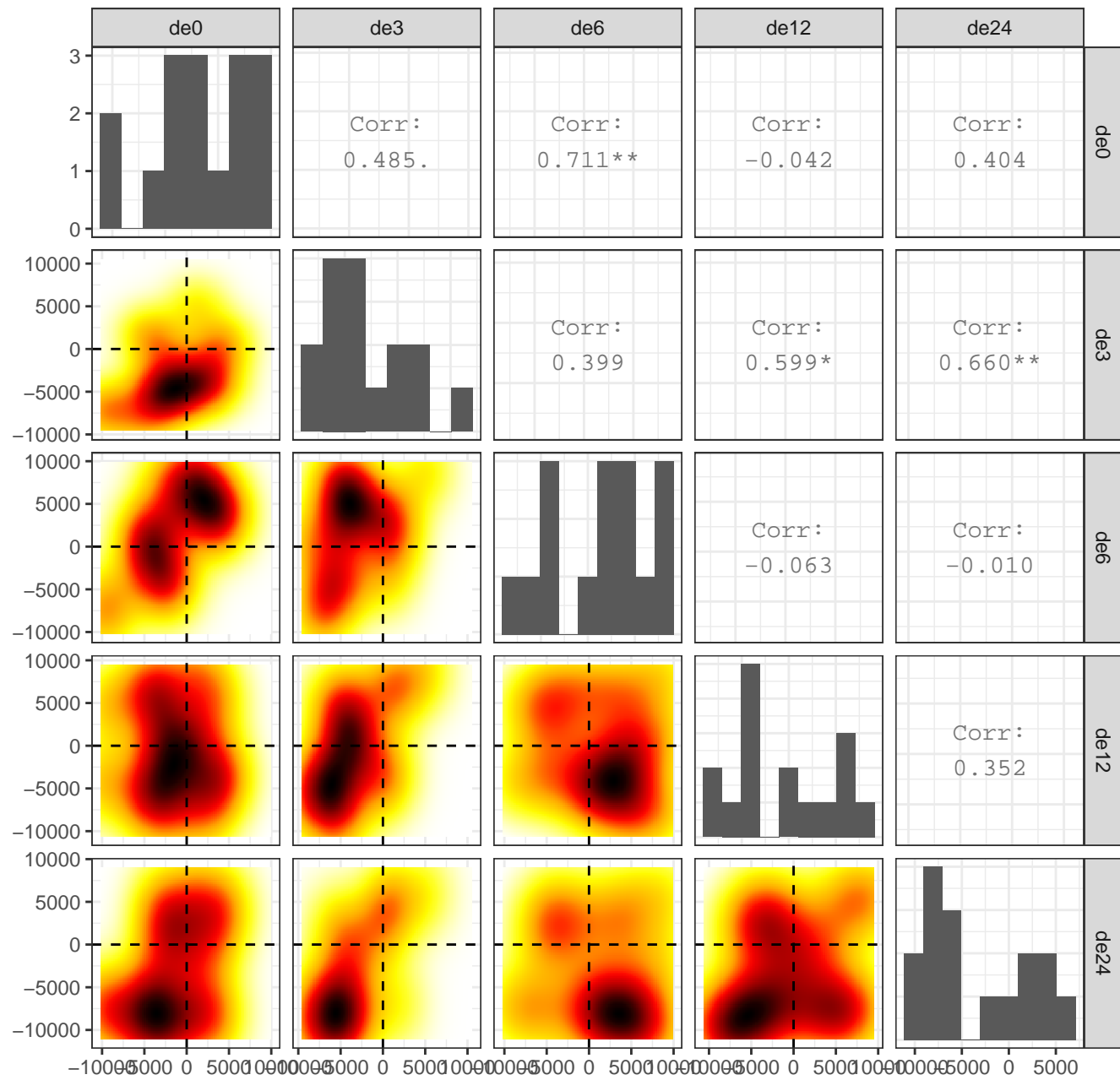
# SIGNALLING\_RECEPTOR\_KINASES\_MISC



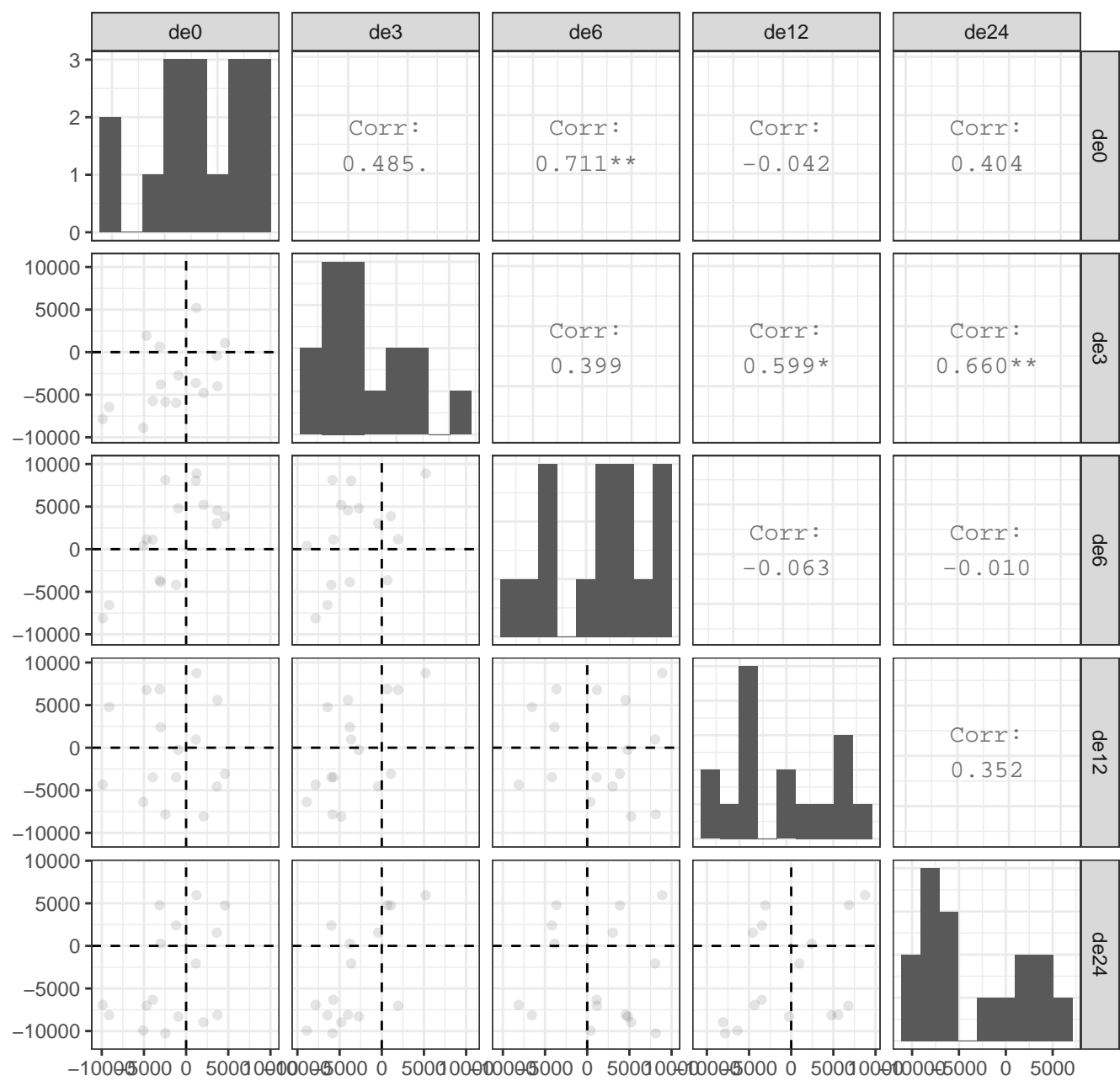
# SIGNALLING\_RECEPTOR\_KINASES\_MISC



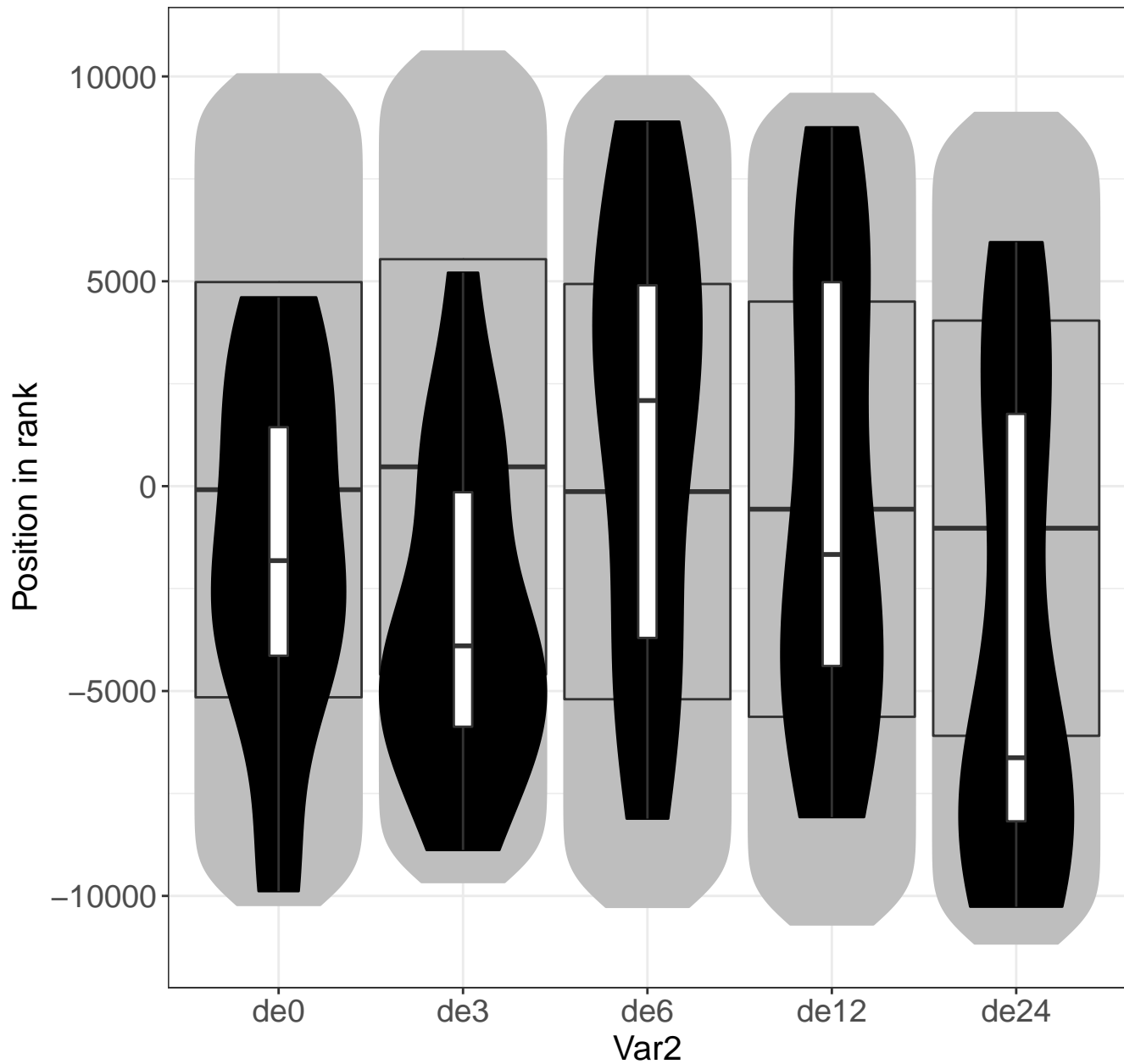
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_B3\_TRANSCRIPTION\_FACTOR\_F



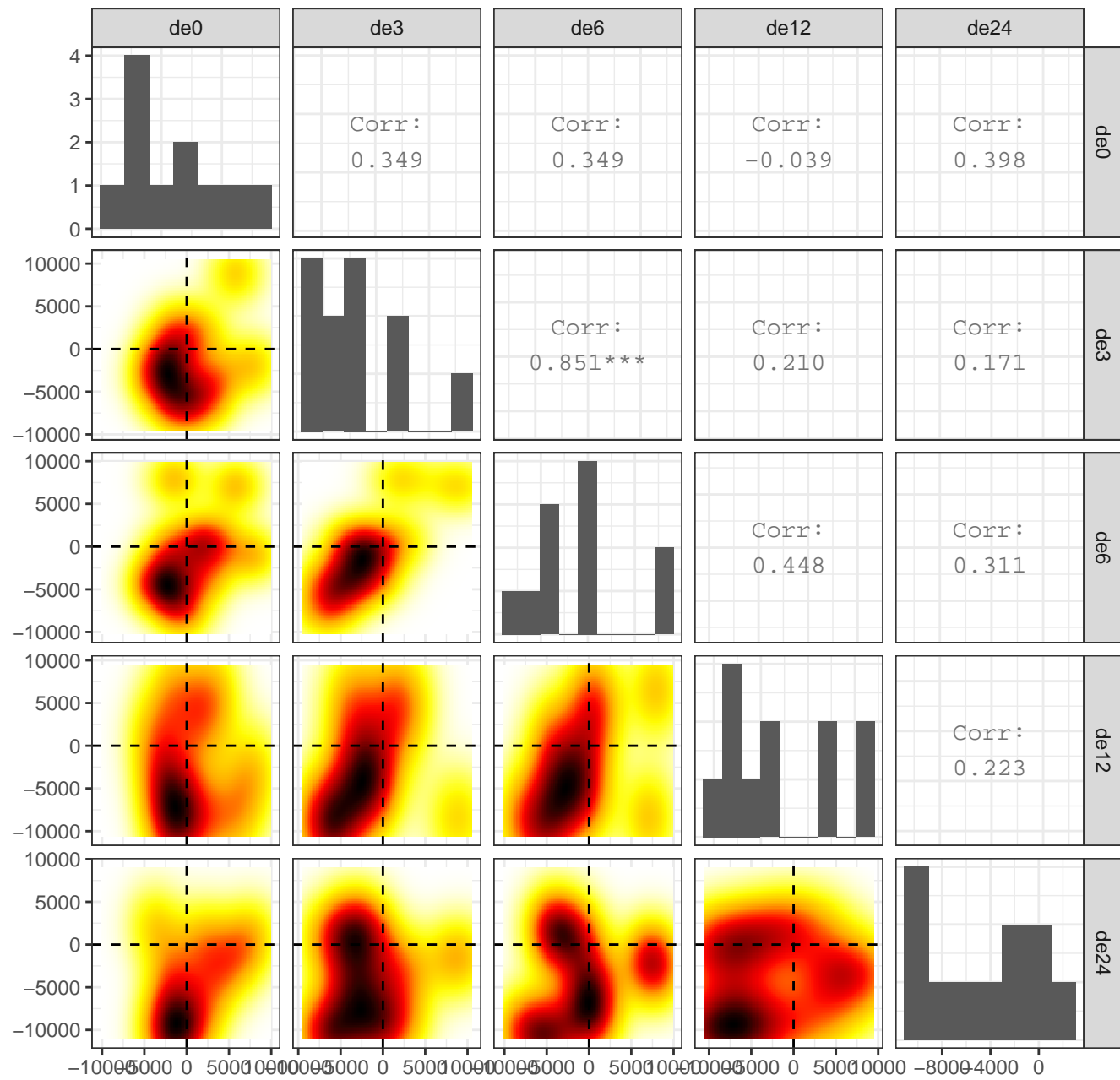
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_B3\_TRANSCRIPTION\_FACTOR\_F



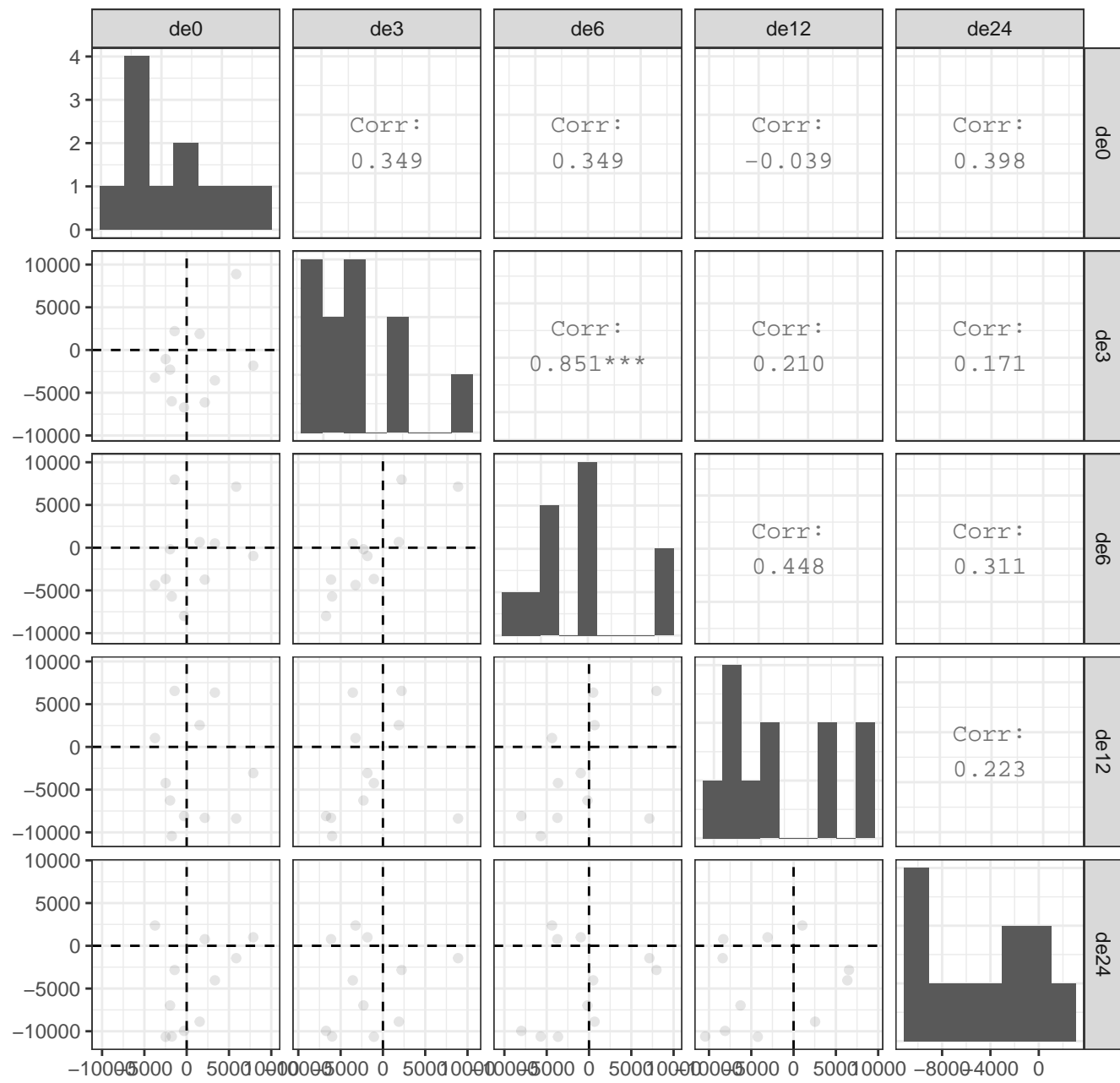
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_B3



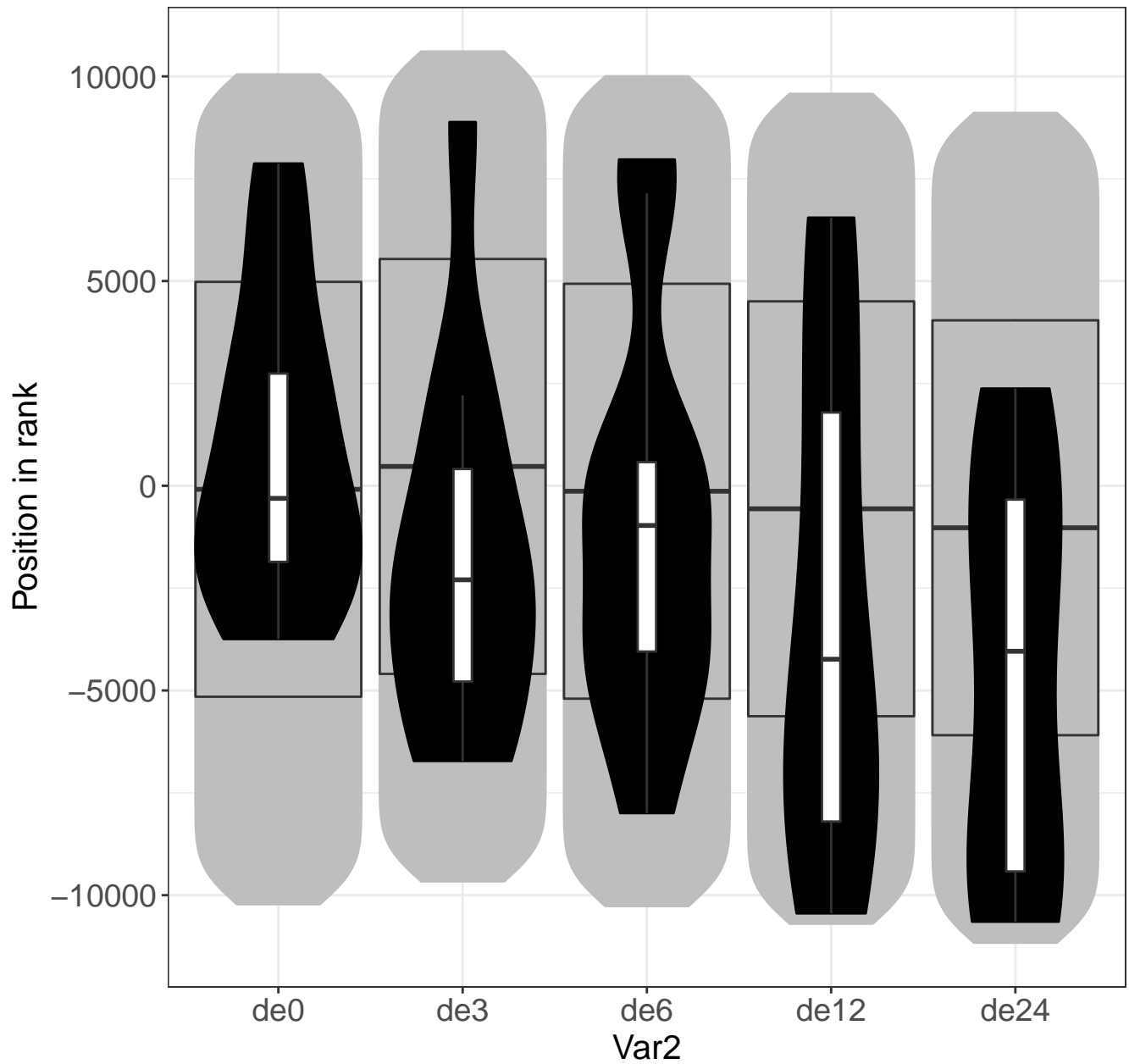
# NOT\_ASSIGNED\_NO\_ONTOLOGY\_TETRATRICOPEPTIDE\_REPEAT\_(TPR)



# NOT\_ASSIGNED\_NO\_ONTOLOGY\_TETRATRICOPEPTIDE\_REPEAT\_(TPR)

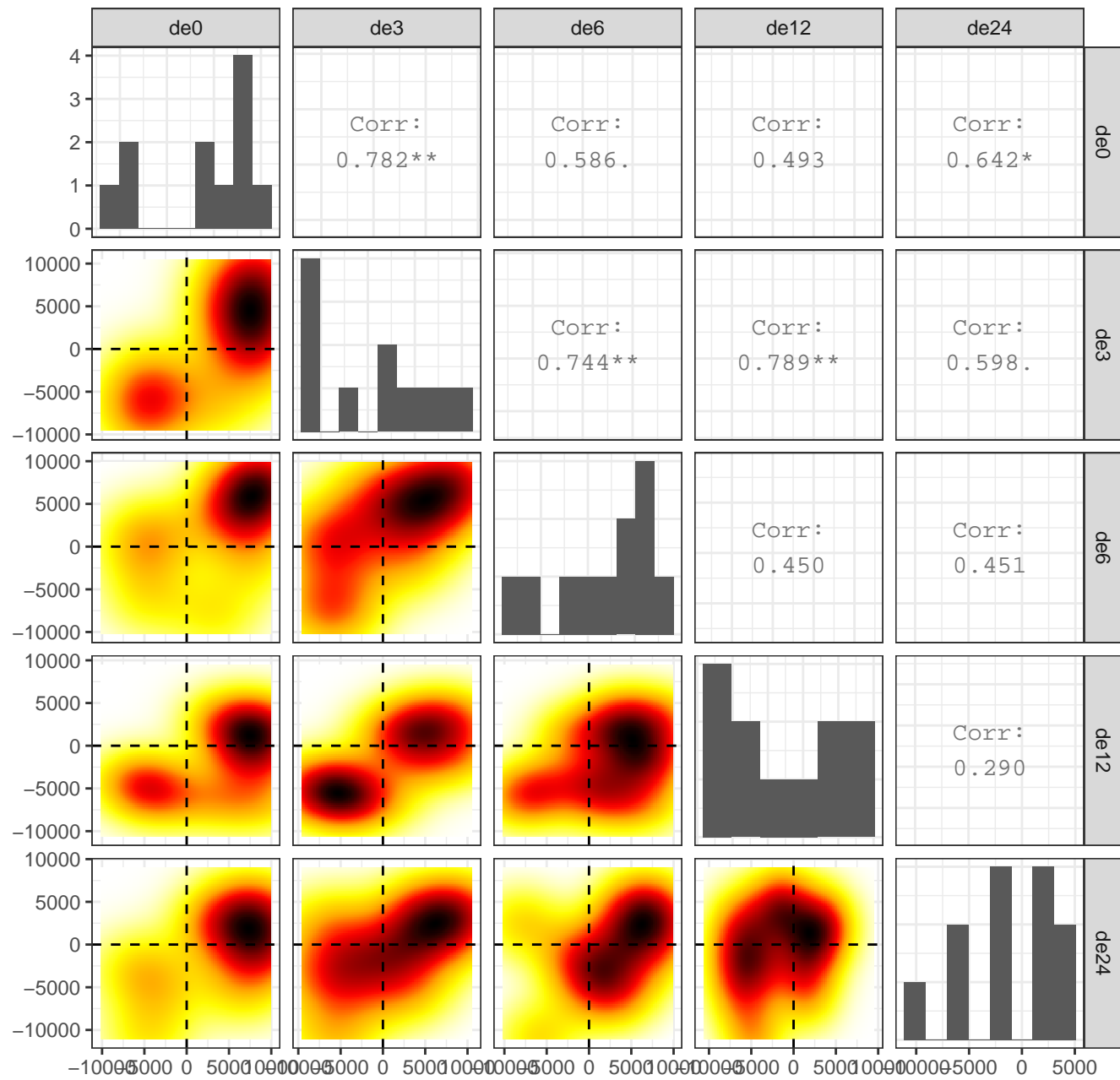


# NOT\_ASSIGNED\_NO\_ONTOLOGY\_TETRATRI

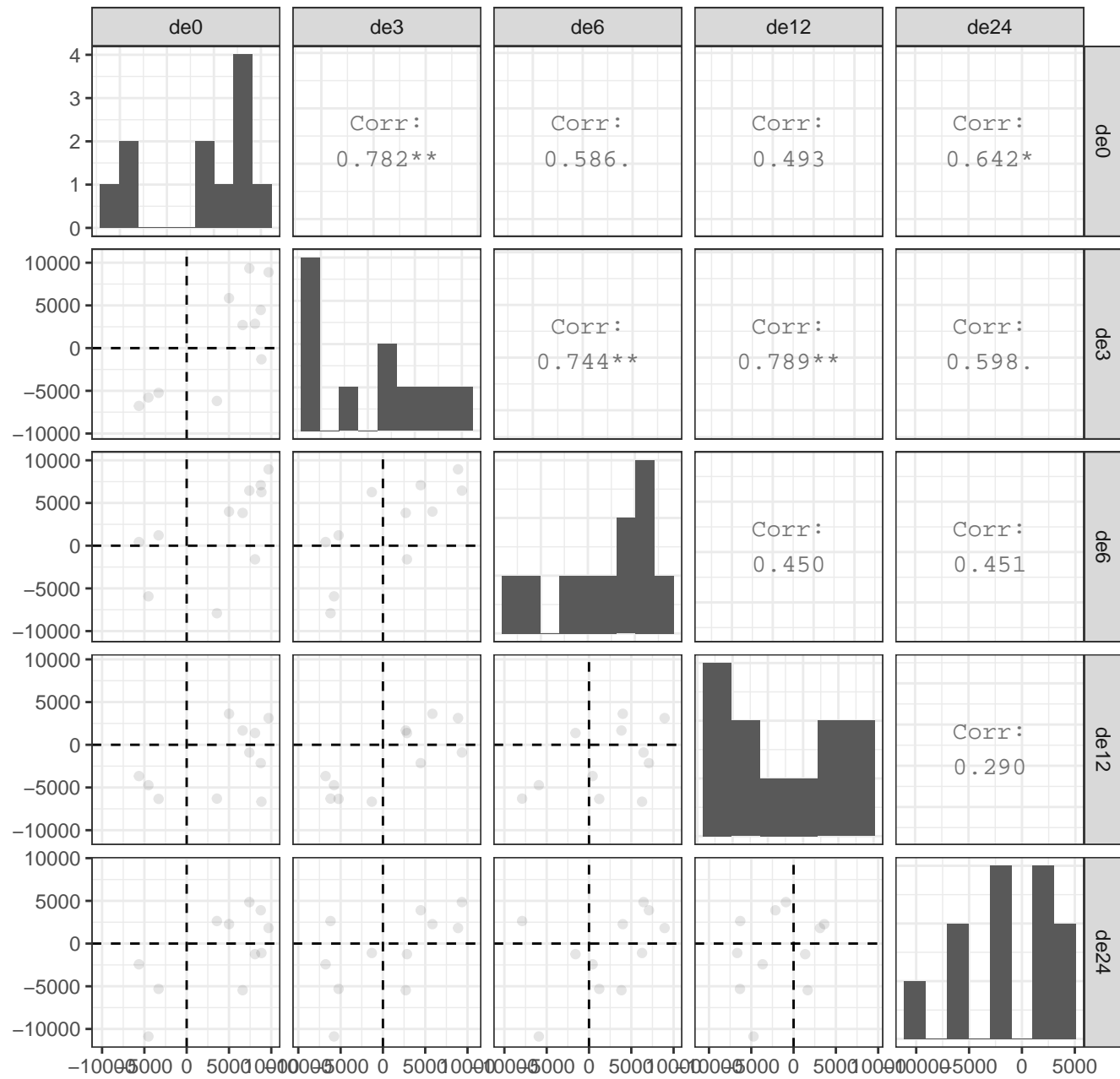




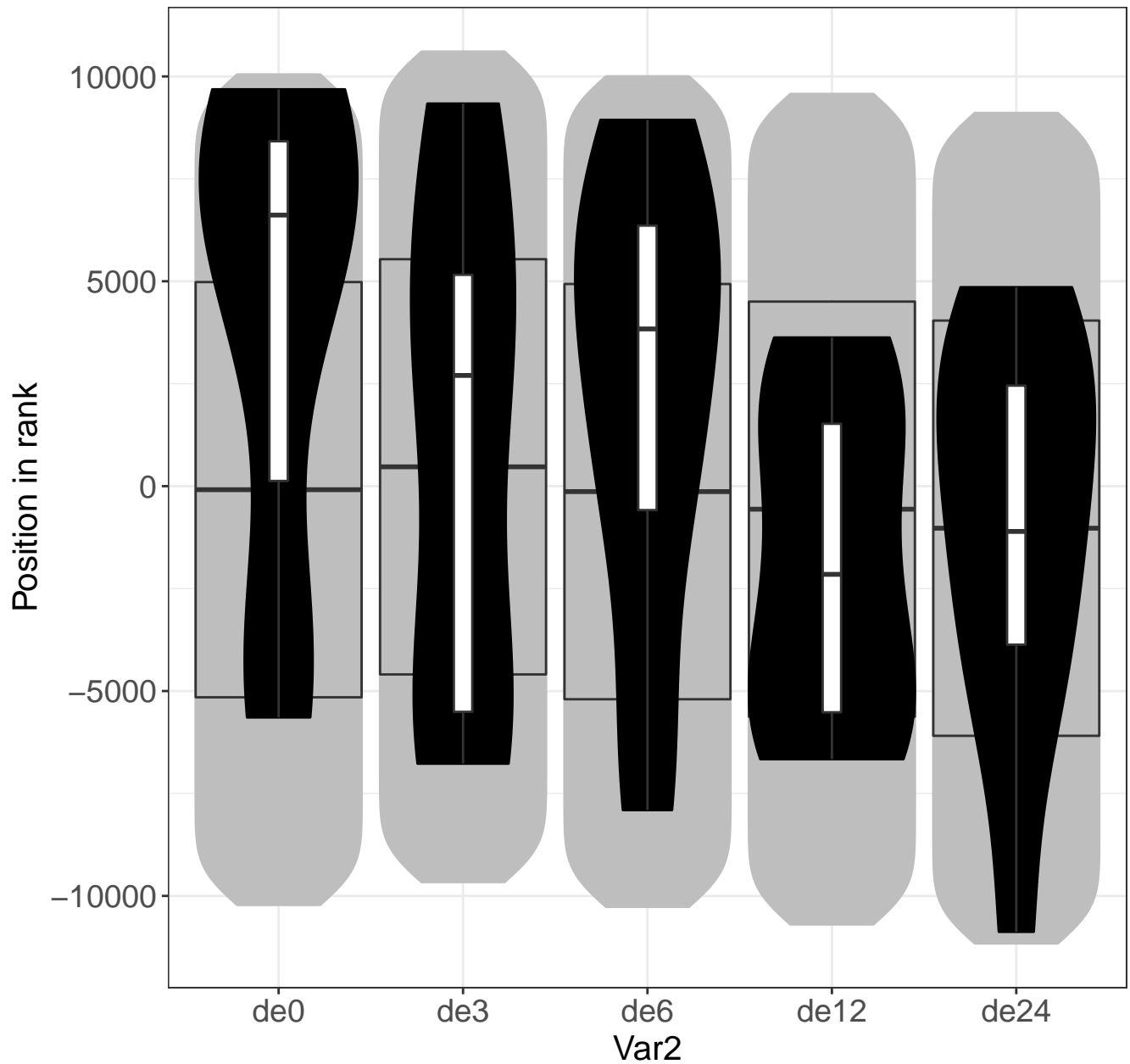
# PROTEIN\_DEGRADATION\_UBIQUITIN\_PROTEASOM



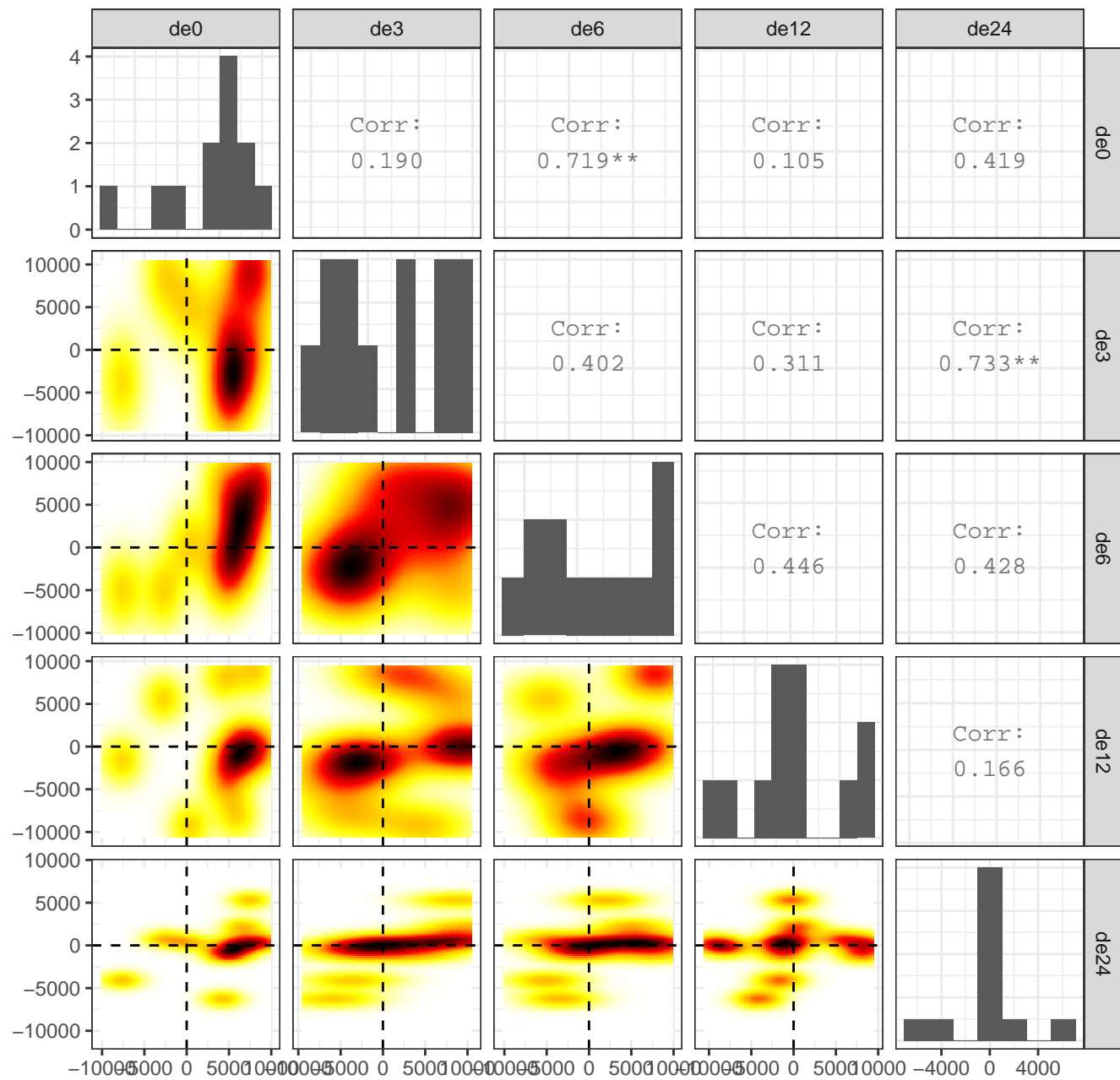
# PROTEIN\_DEGRADATION\_UBIQUITIN\_PROTEASOM



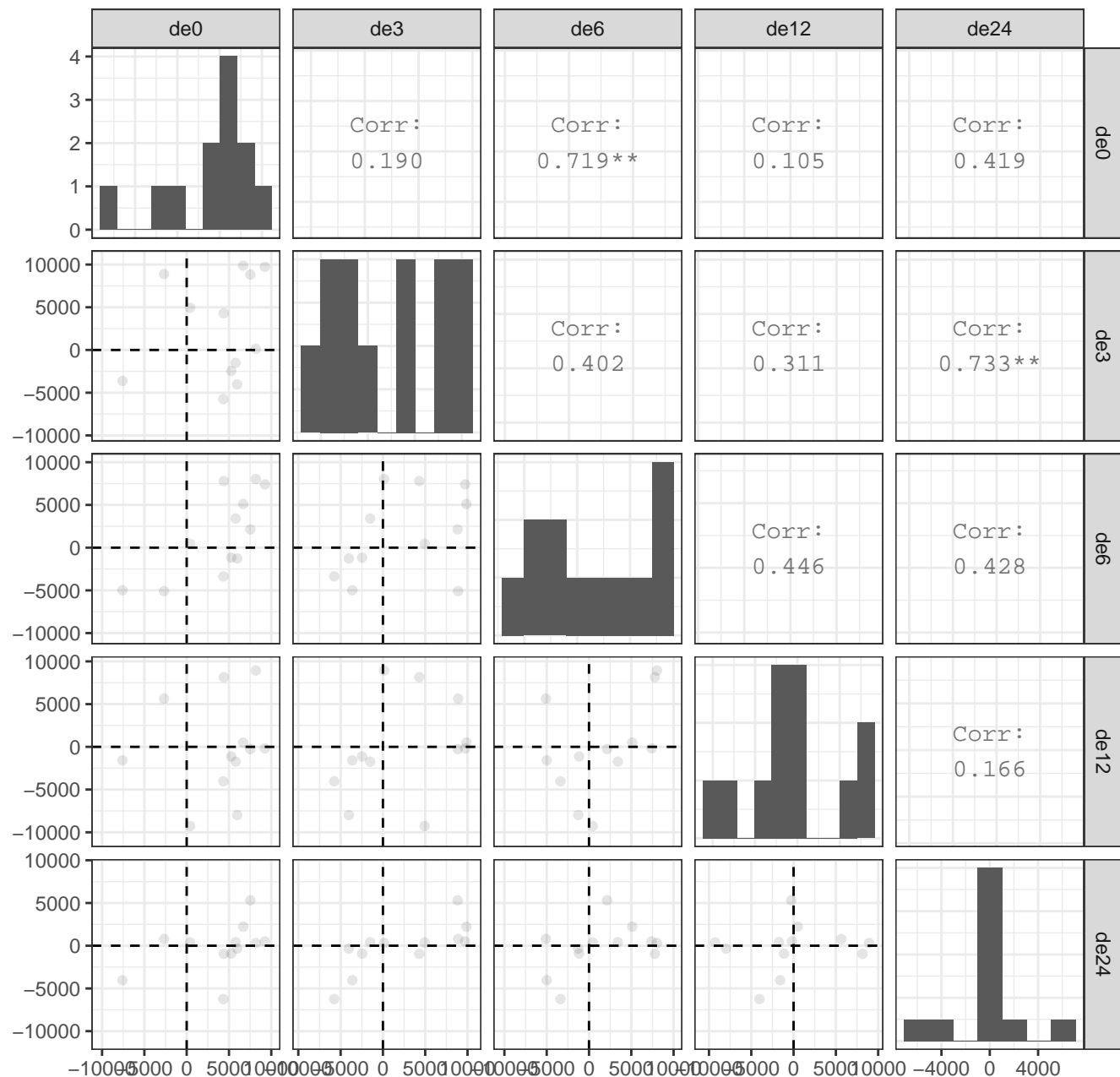
# PROTEIN\_DEGRADATION\_UBIQUITIN\_PROTE



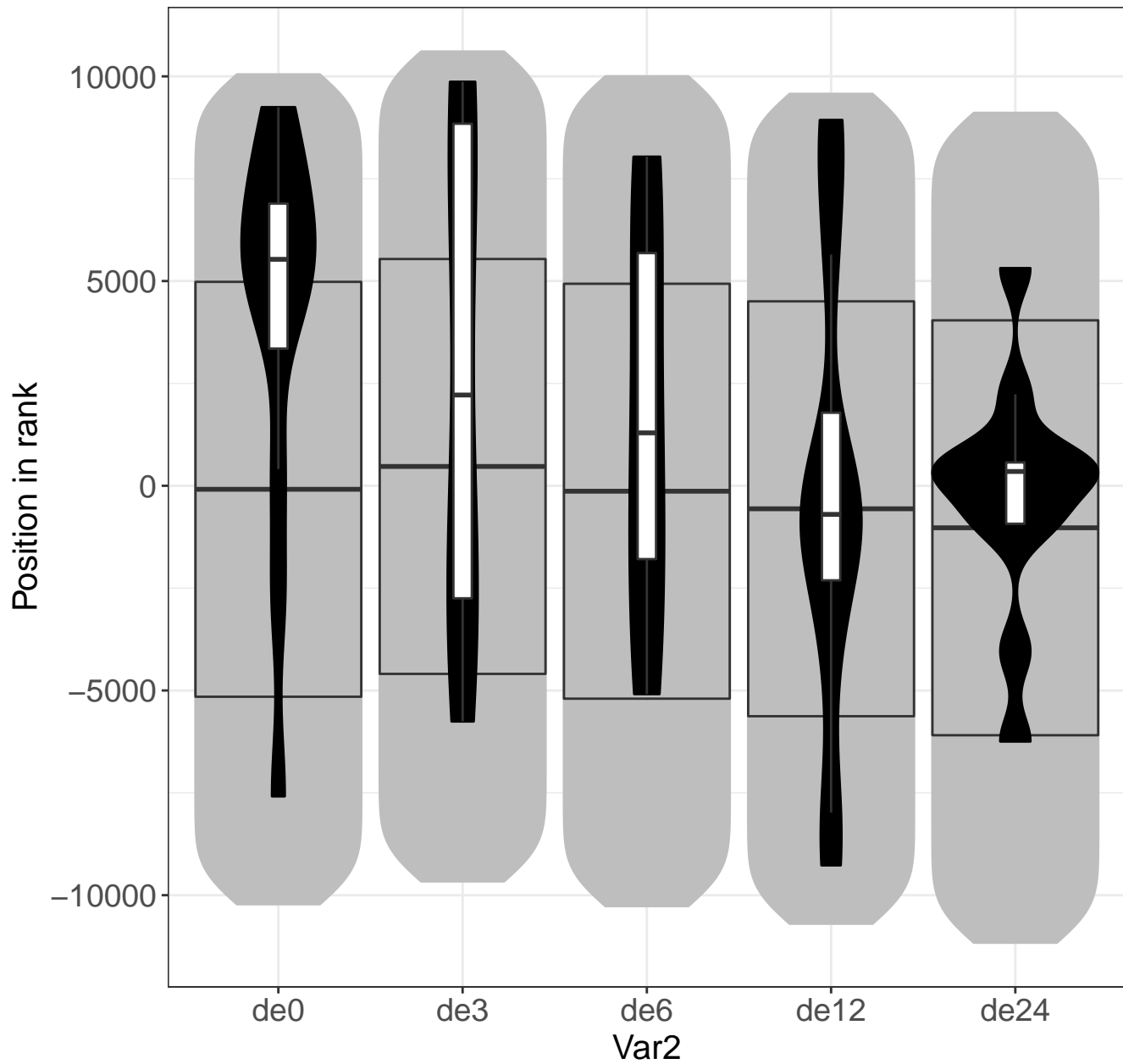
# MITOCHONDRIAL\_ELECTRON\_TRANSPORT\_/\_ATP\_SYNTHESIS\_F1-ATPAS



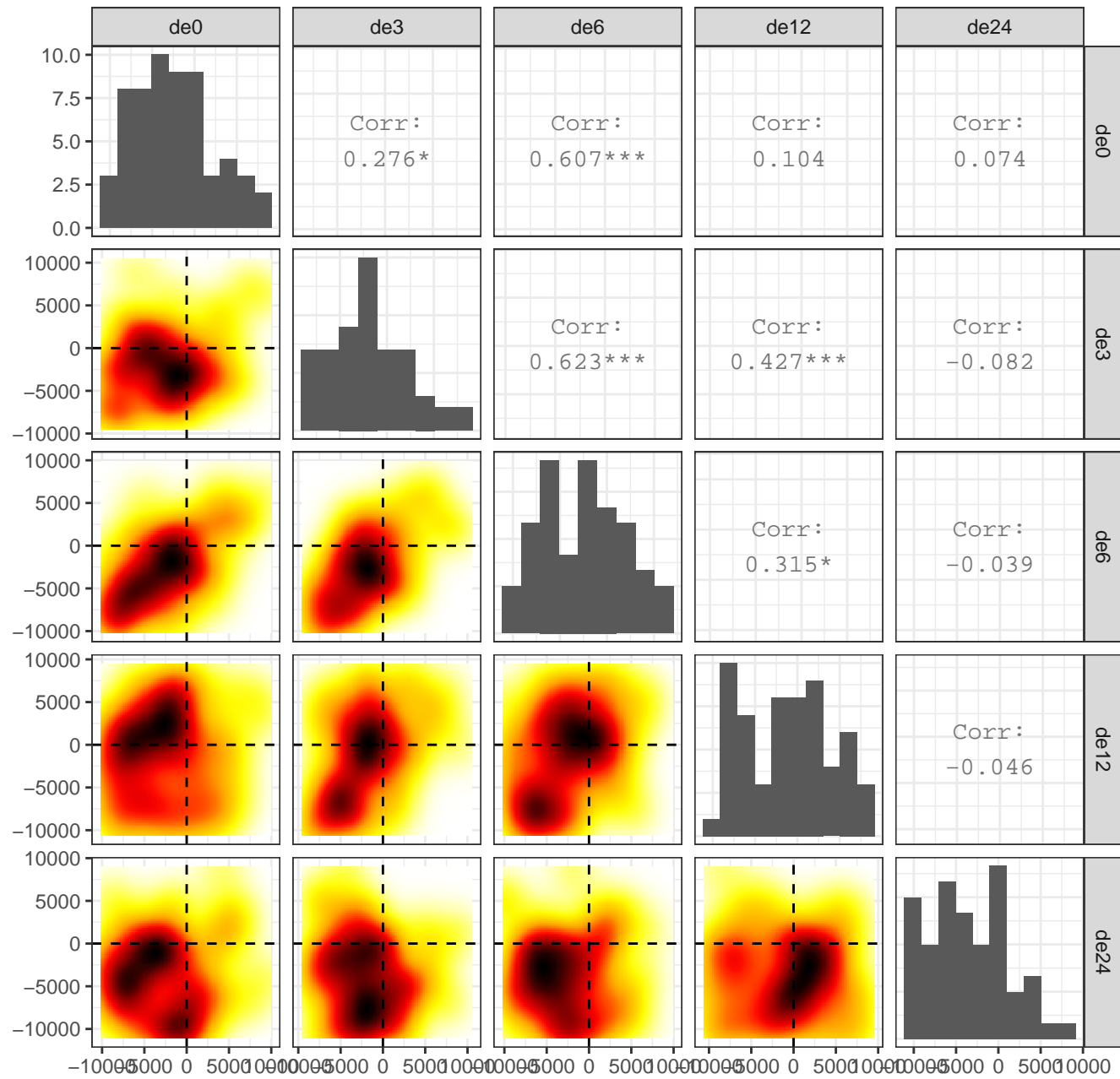
# MITOCHONDRIAL\_ELECTRON\_TRANSPORT\_/\_ATP\_SYNTHESIS\_F1-ATPAS



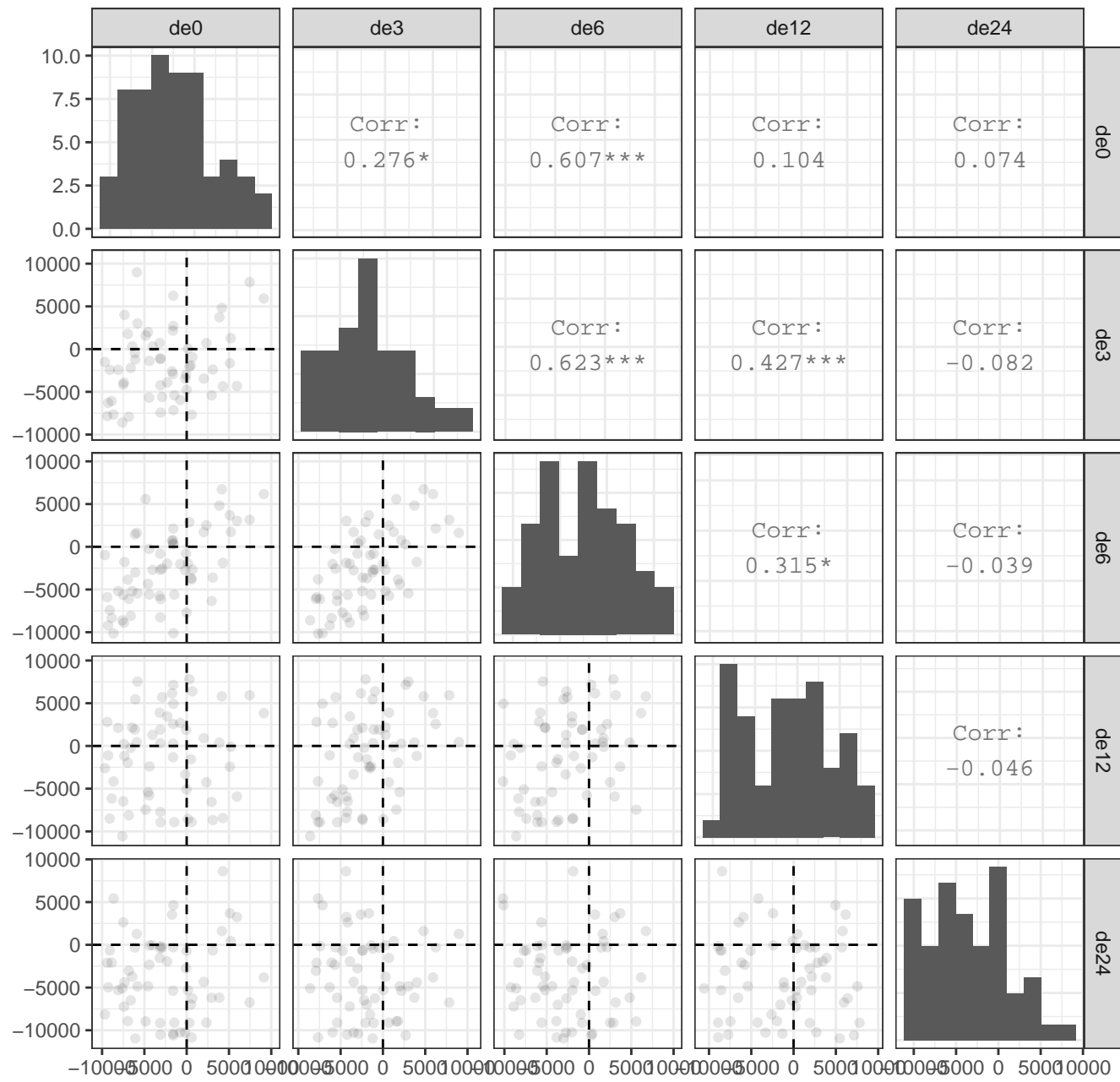
# MITOCHONDRIAL\_ELECTRON\_TRANSPORT\_



# DNA\_SYNTHESIS/CHROMATIN\_STRUCTURE

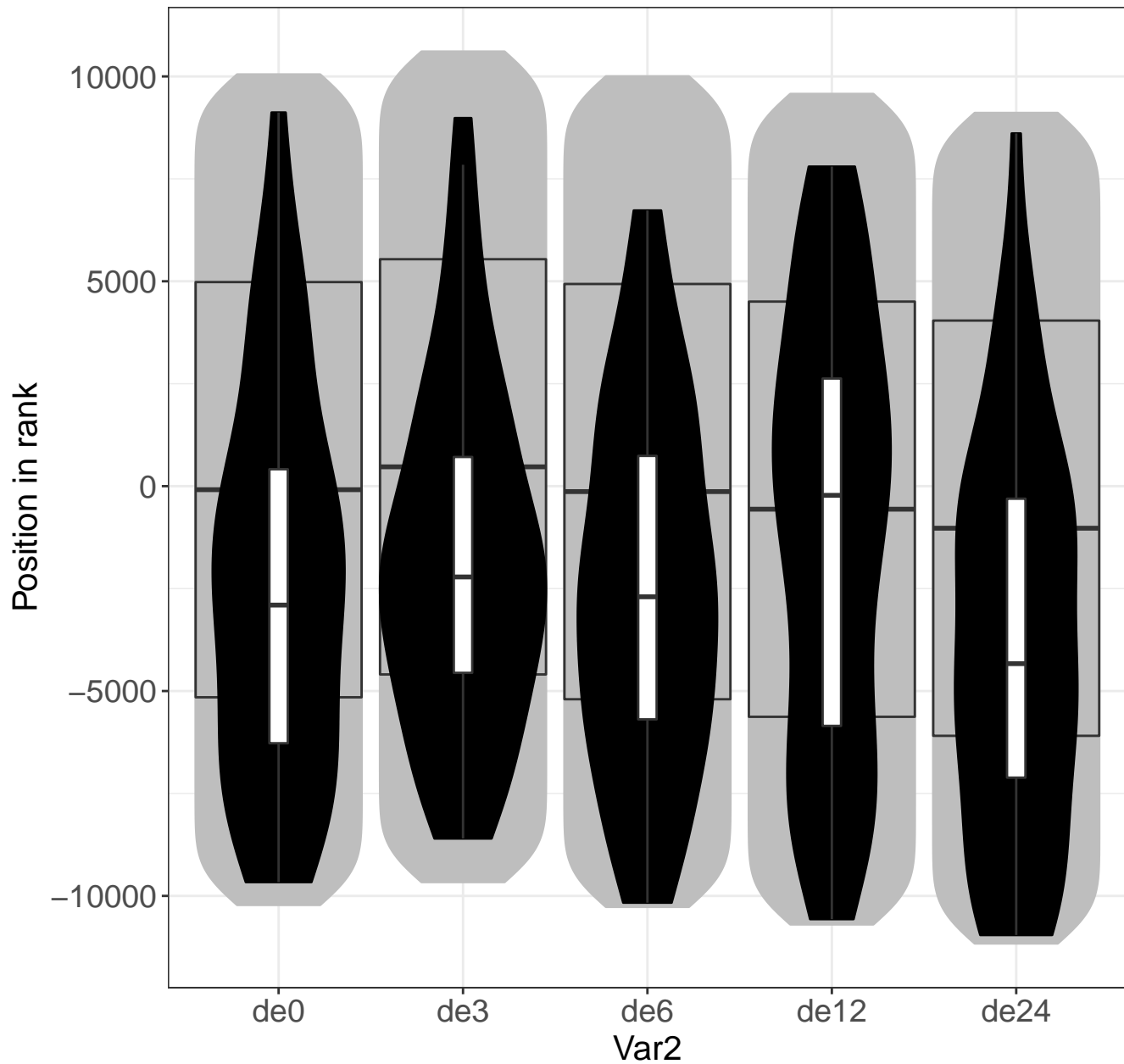


# DNA\_SYNTHESIS/CHROMATIN\_STRUCTURE

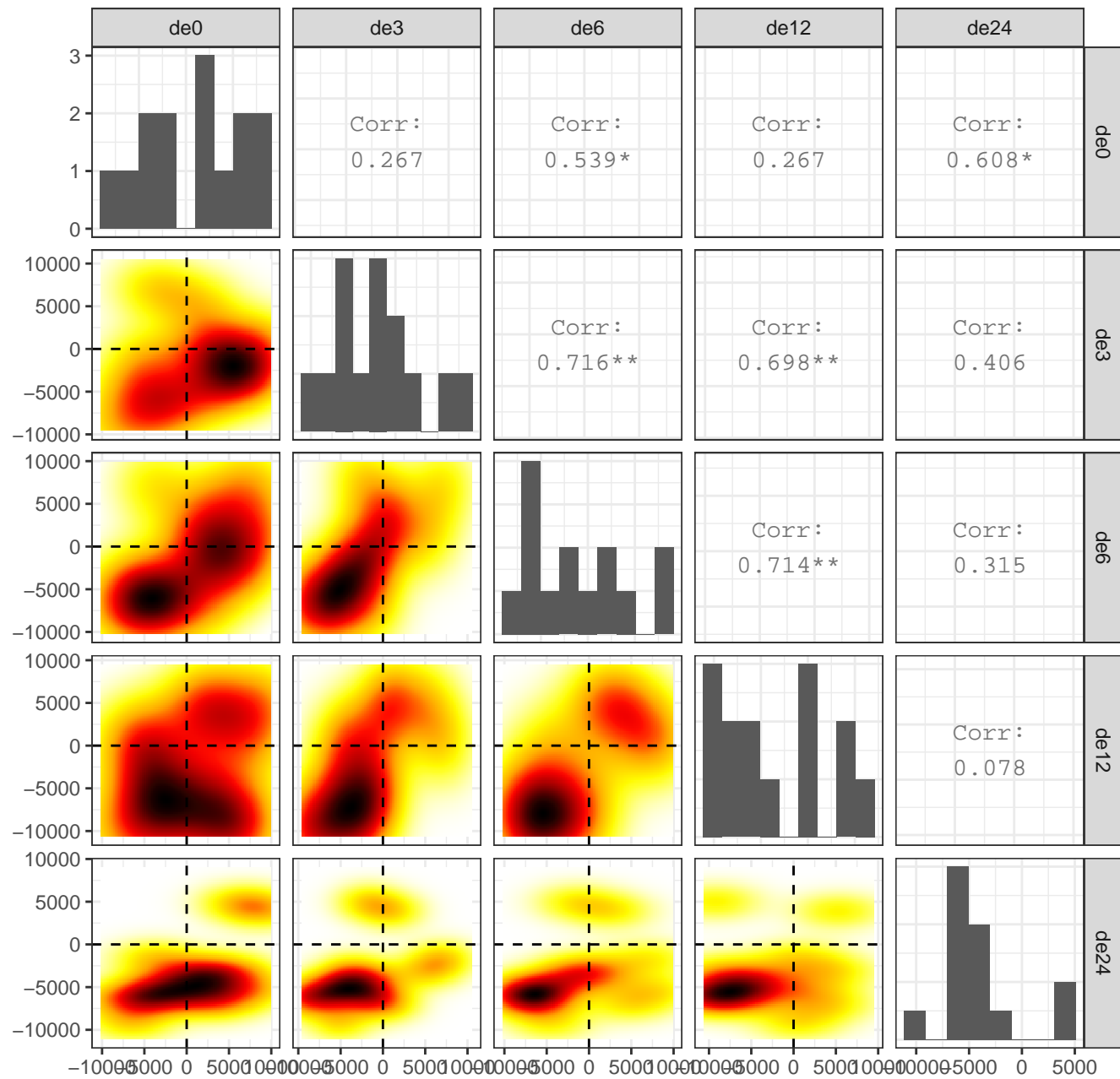




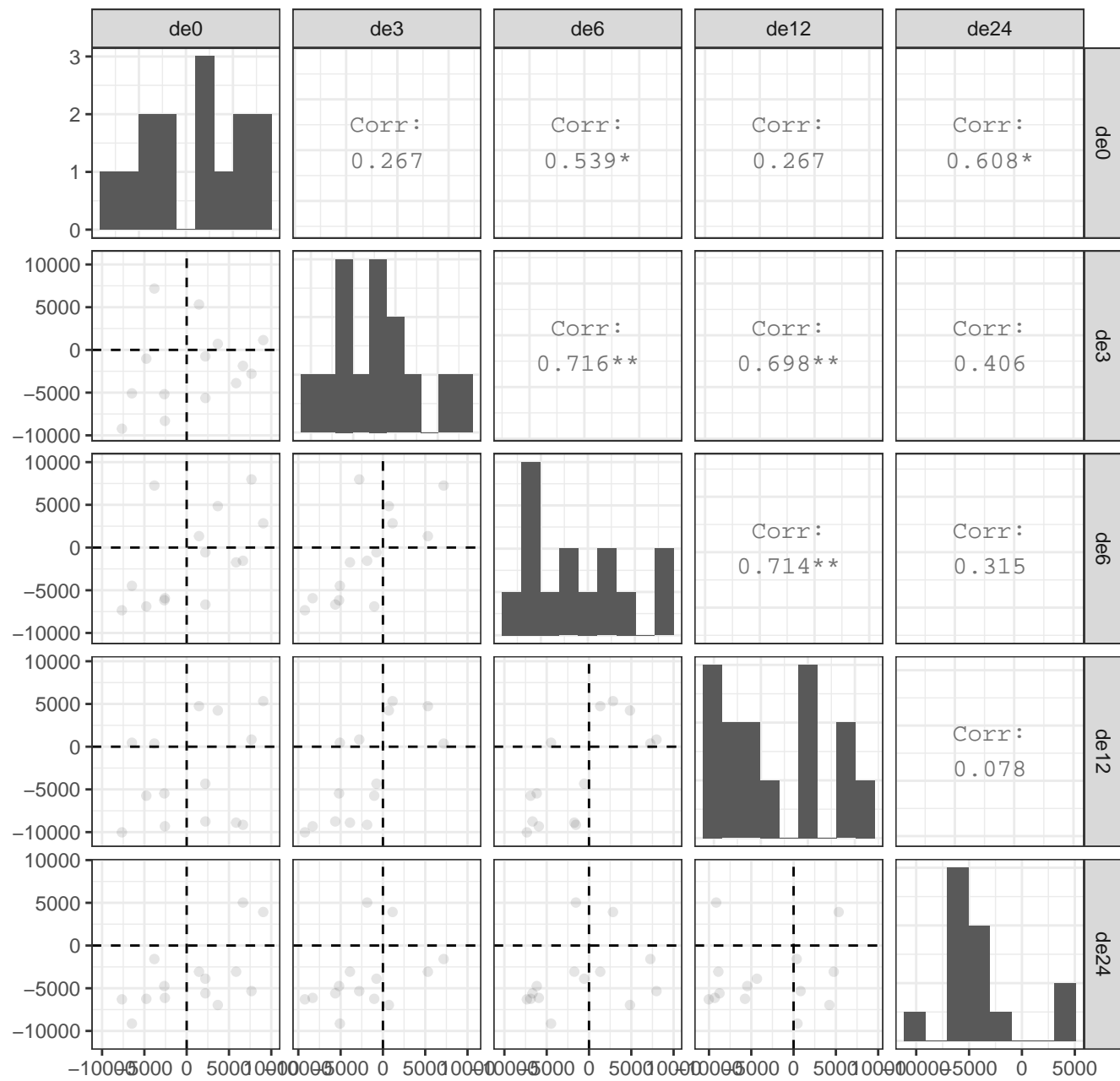
# DNA\_SYNTHESIS/CHROMATIN\_STRUCTURE



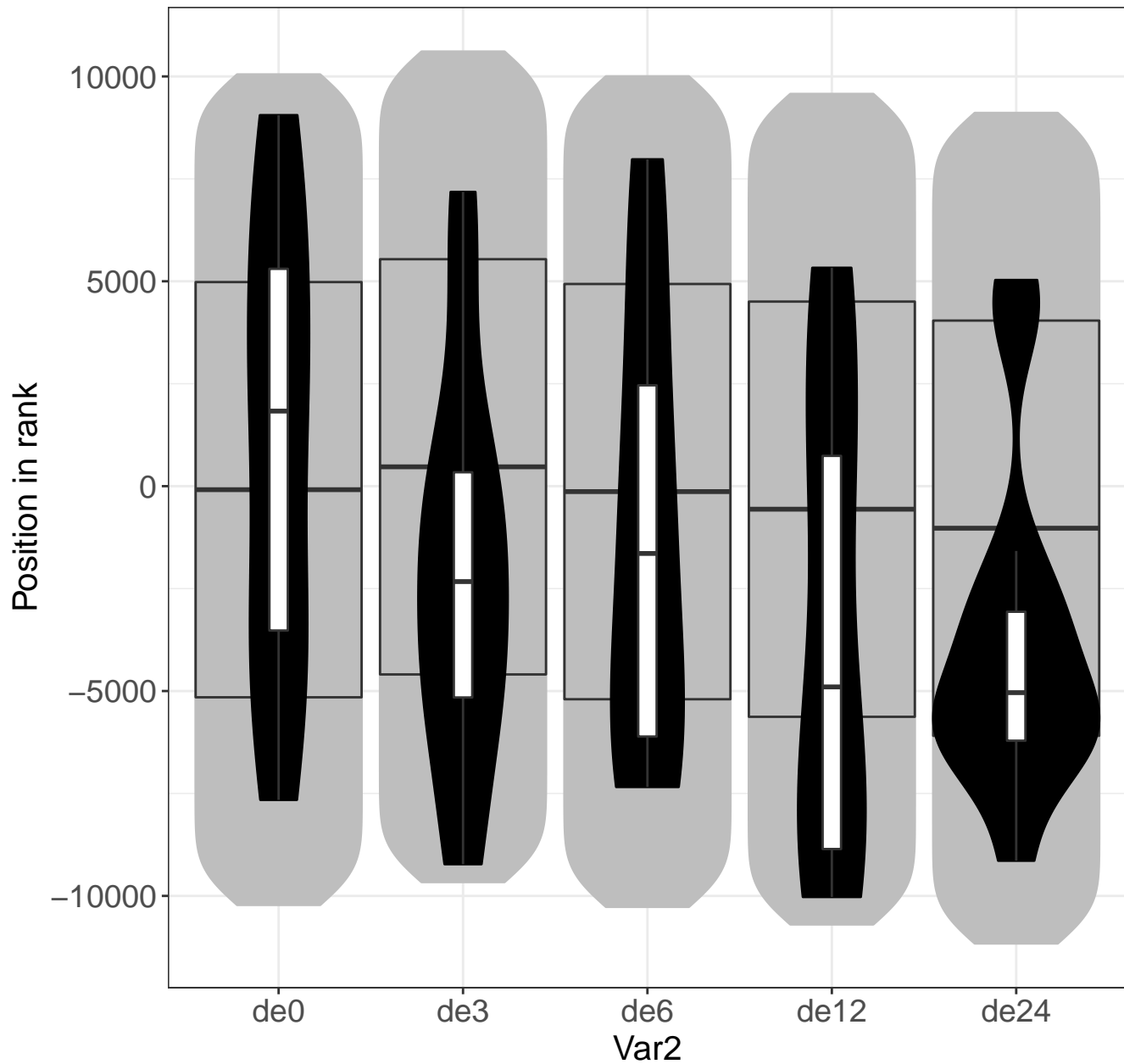
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_GENERAL\_TRANSCRIPTION



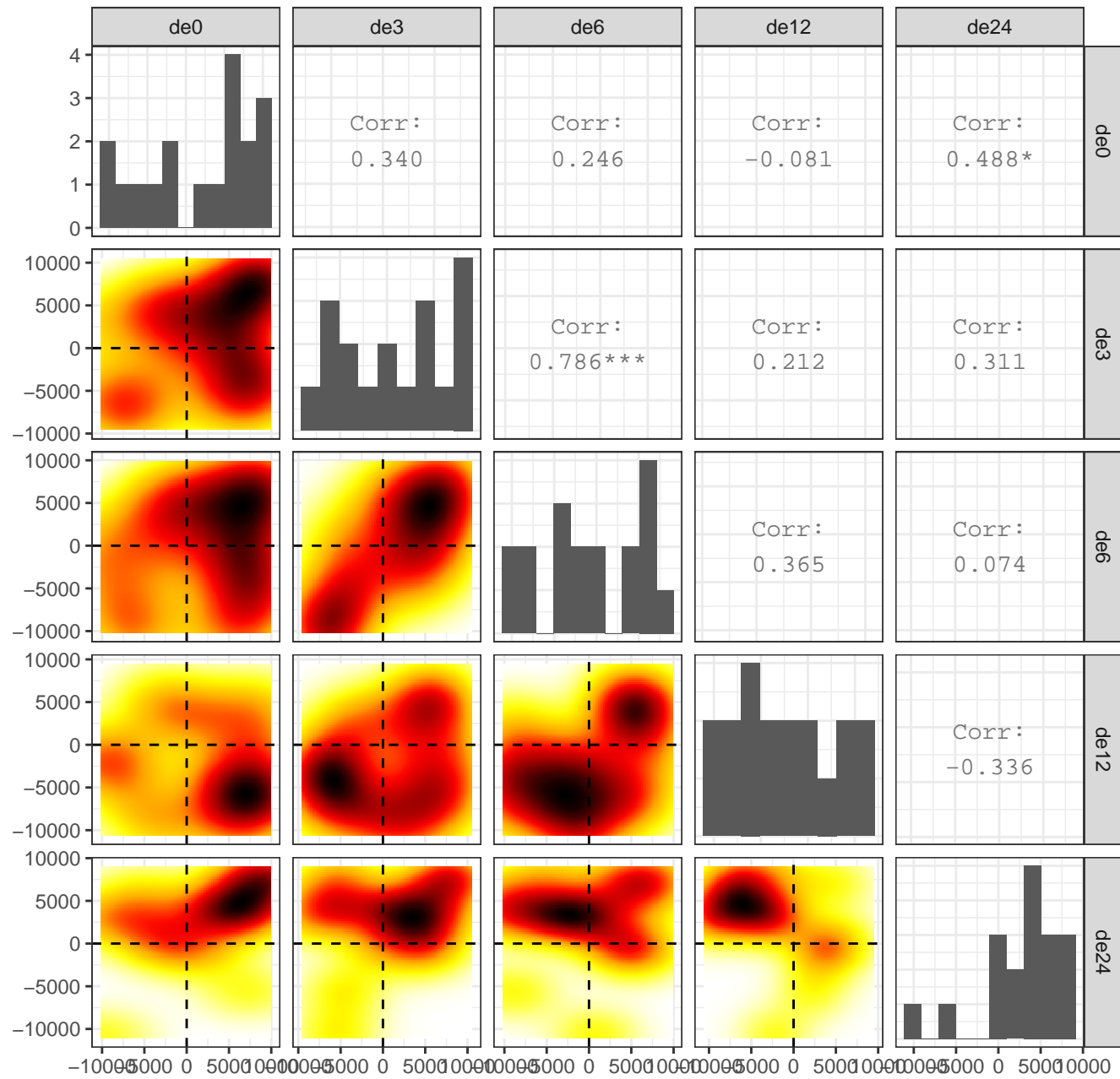
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_GENERAL\_TRANSCRIPTION



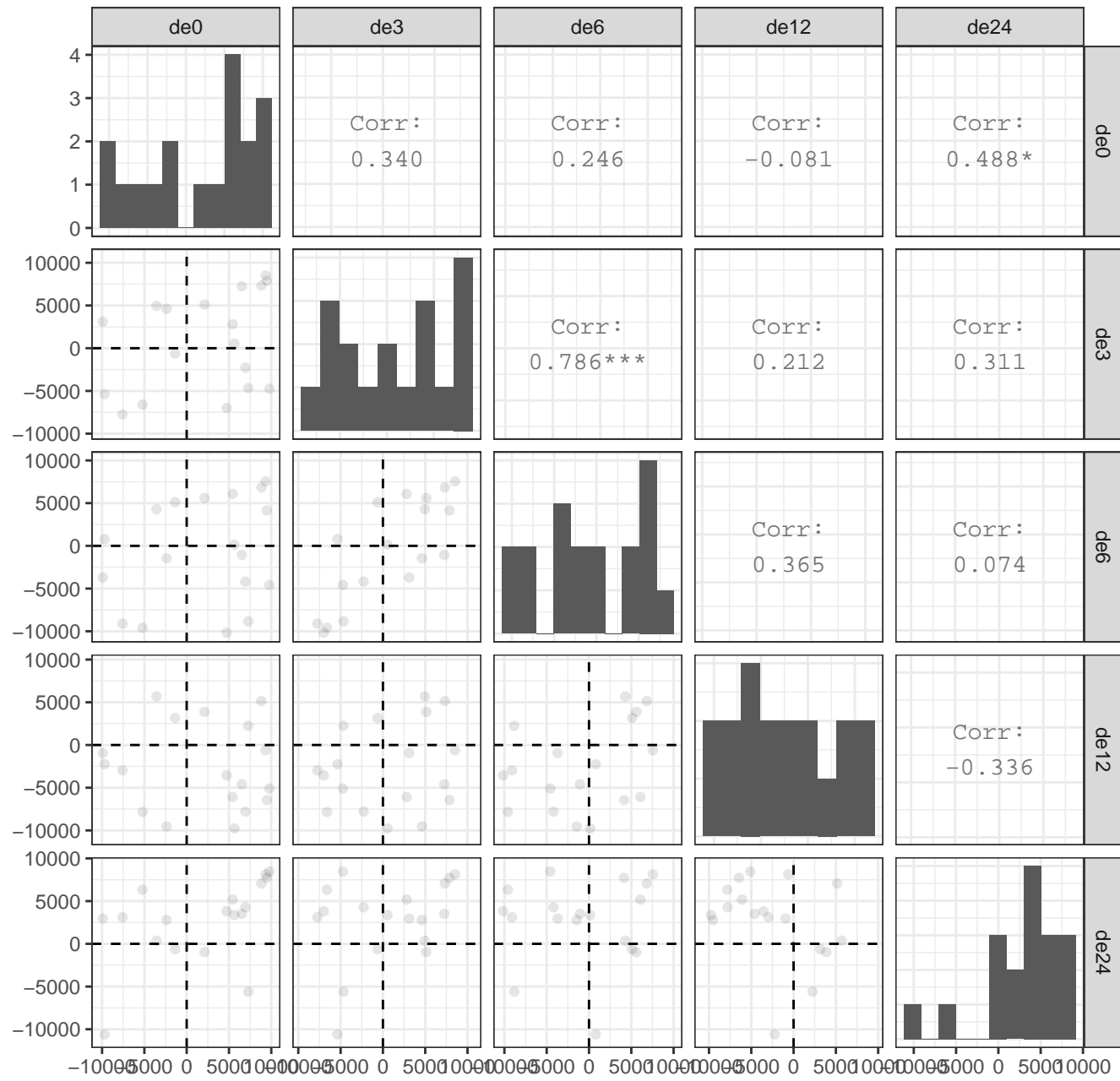
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_GE



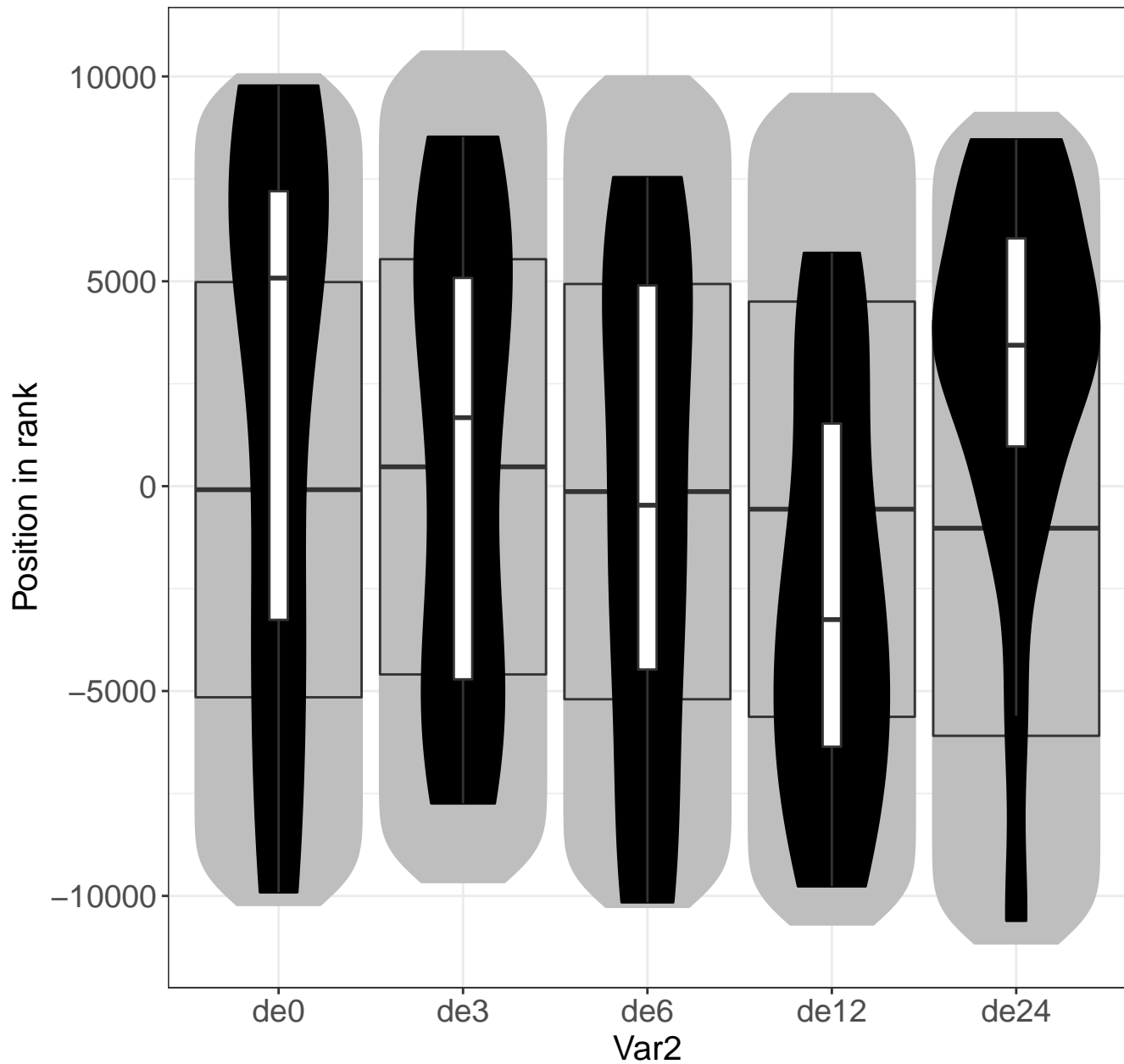
# MISC\_MISC2



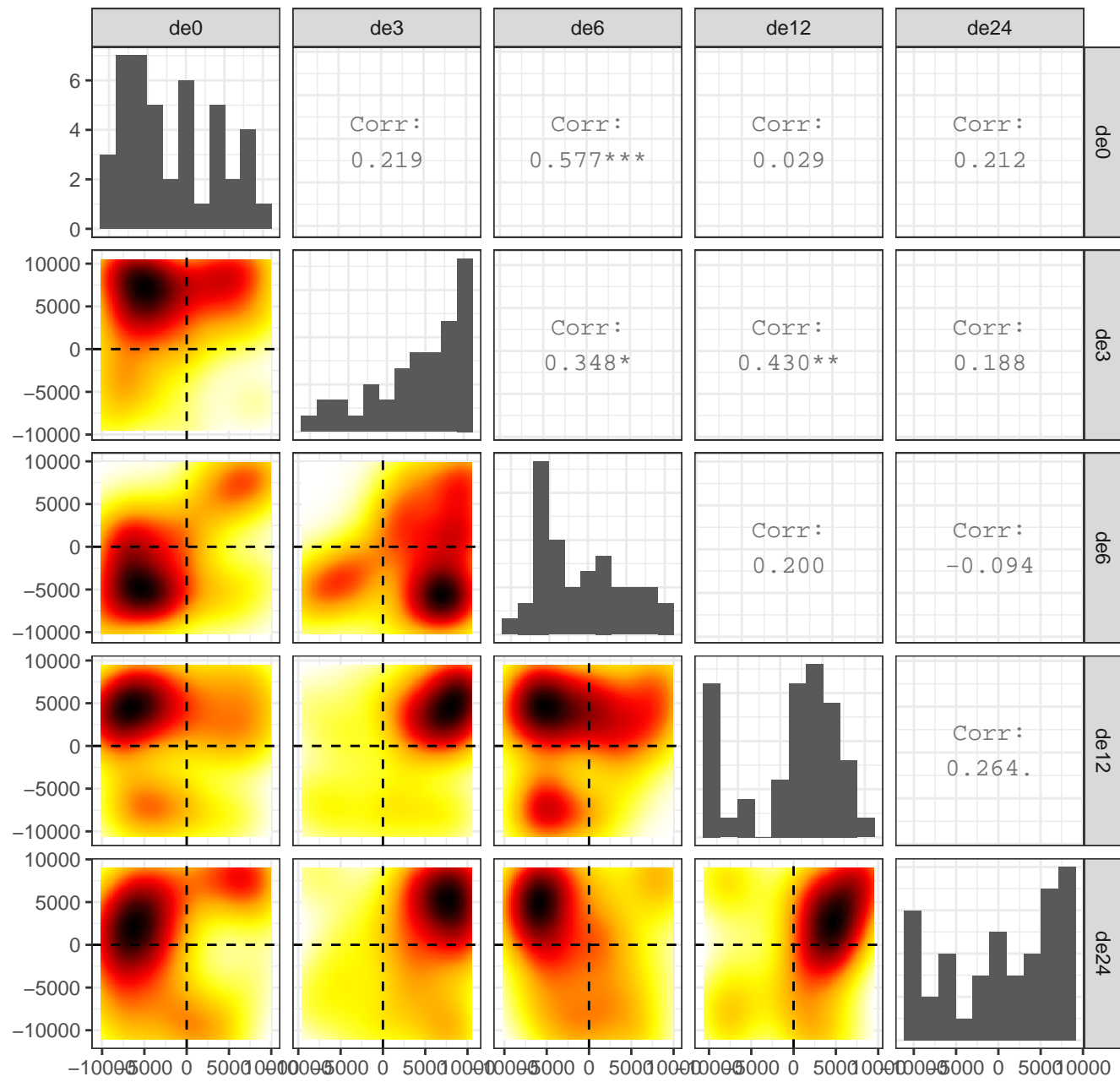
# MISC\_MISC2



# MISC\_MISC2

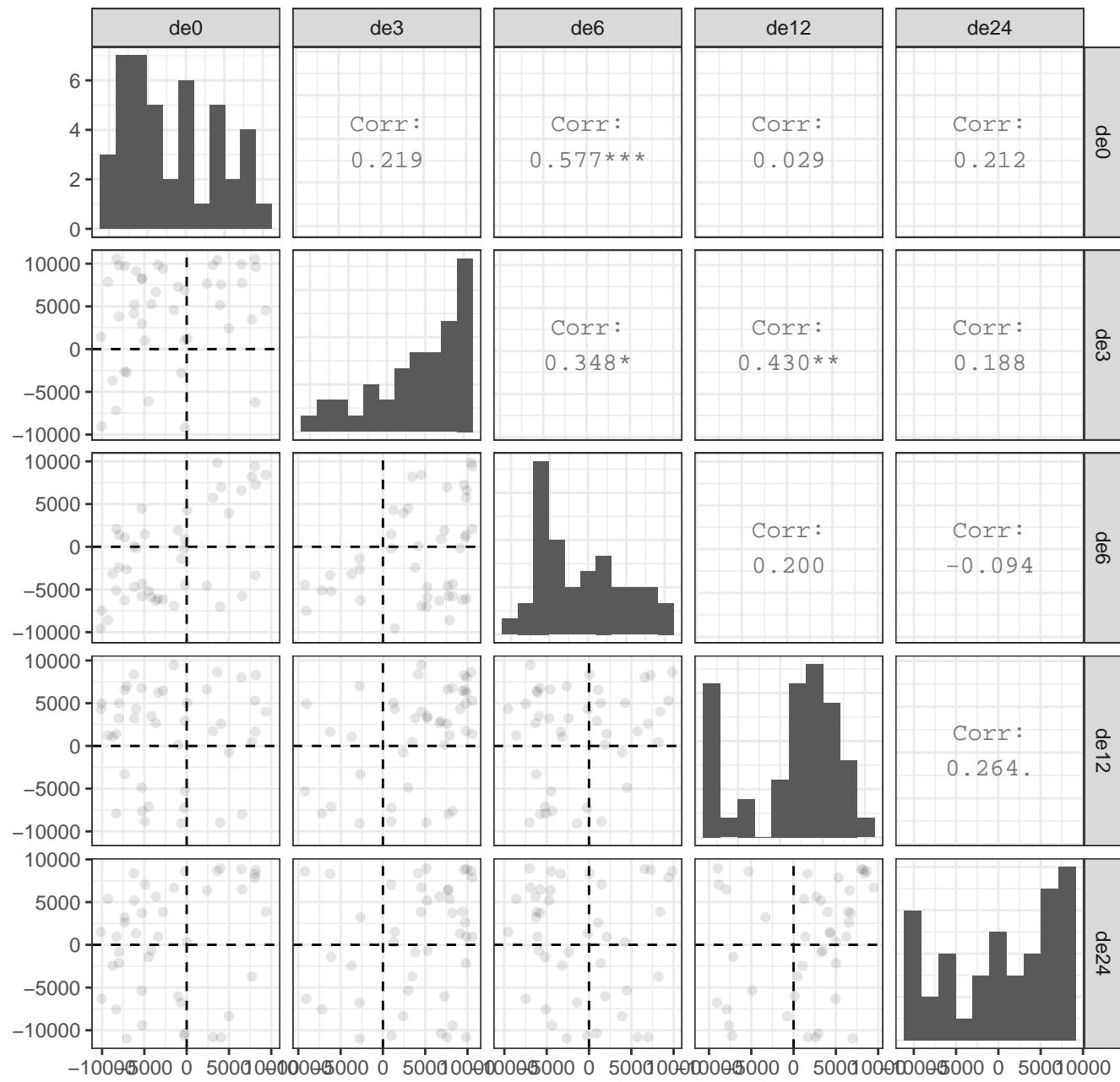


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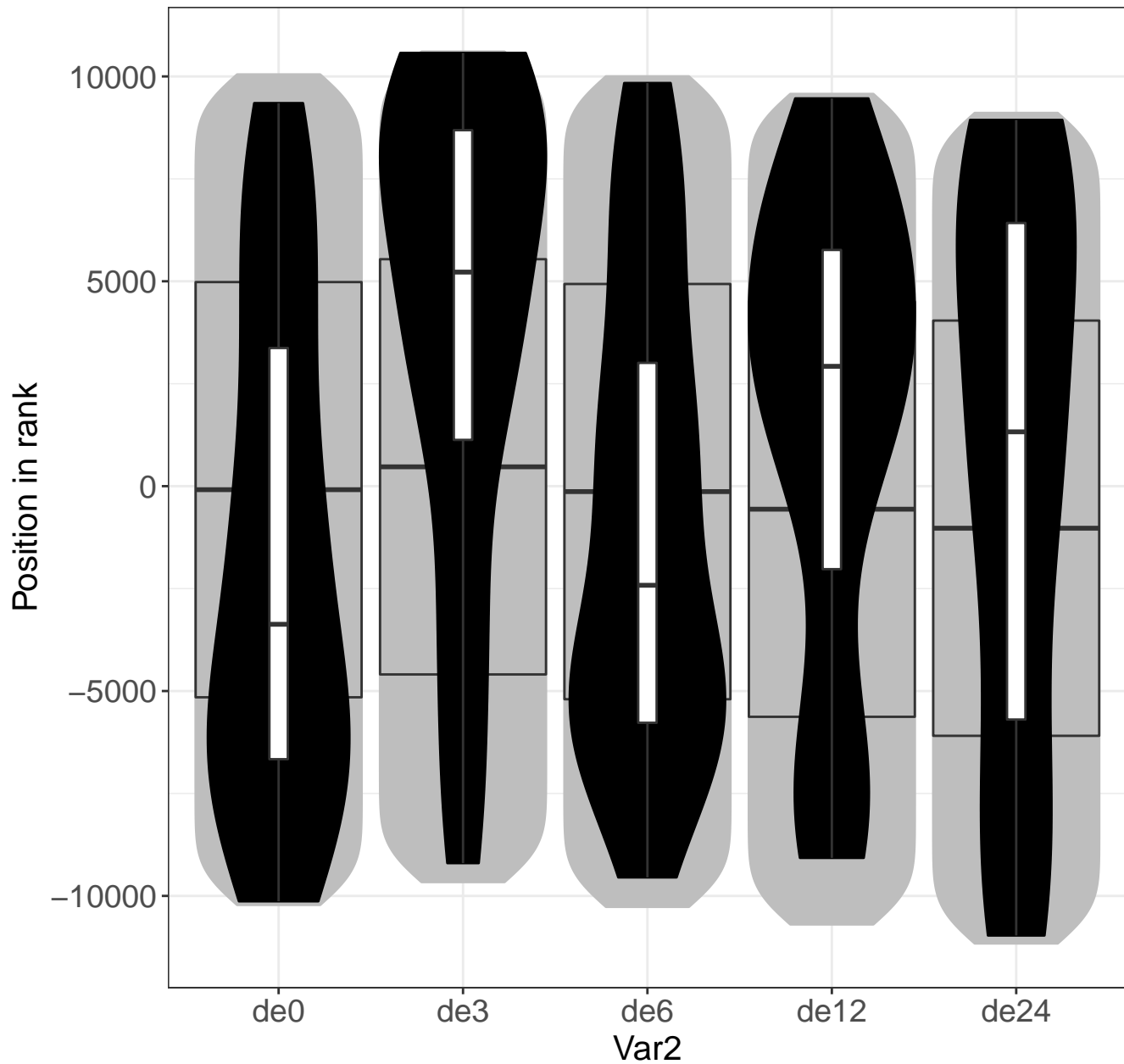




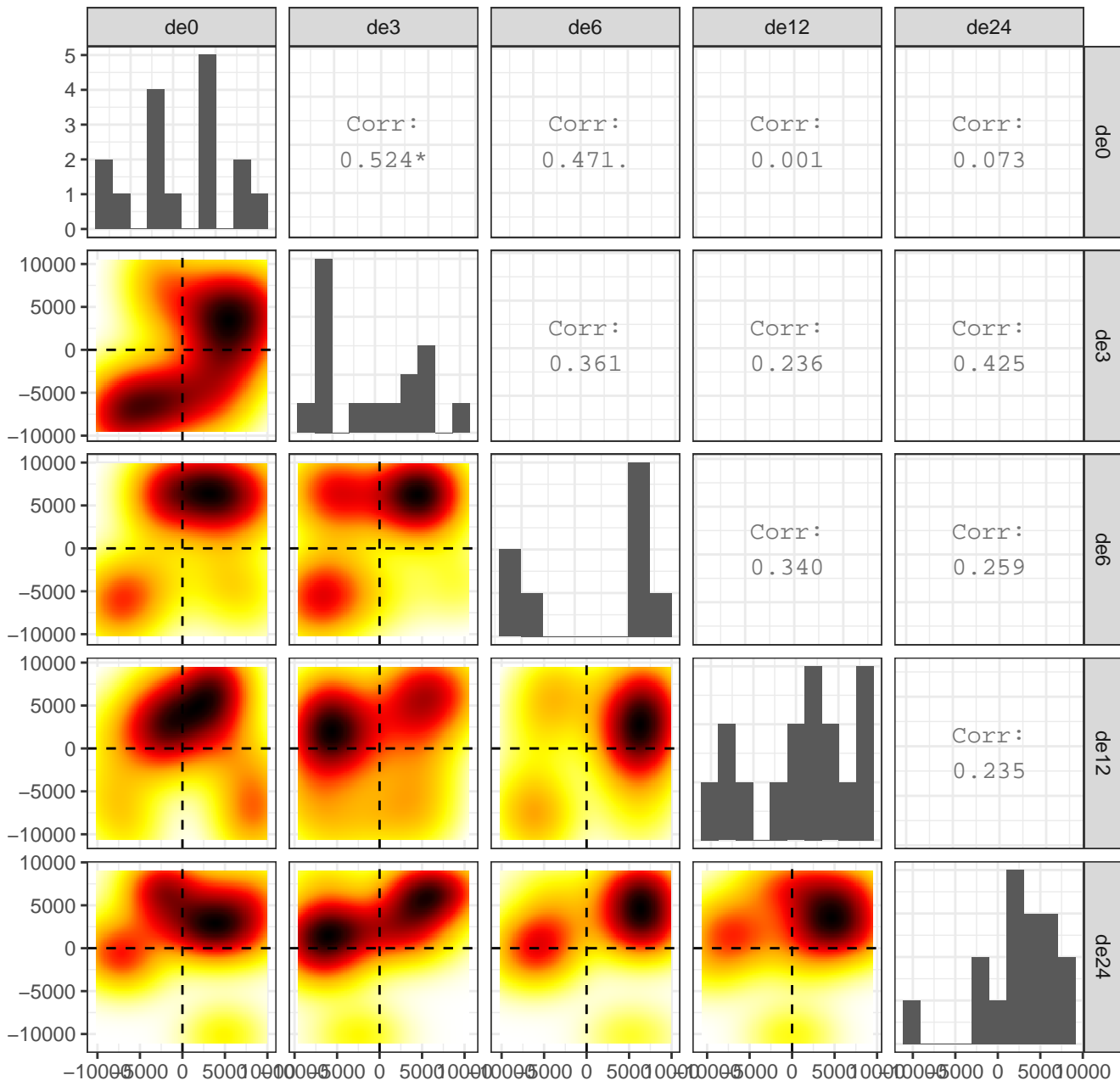
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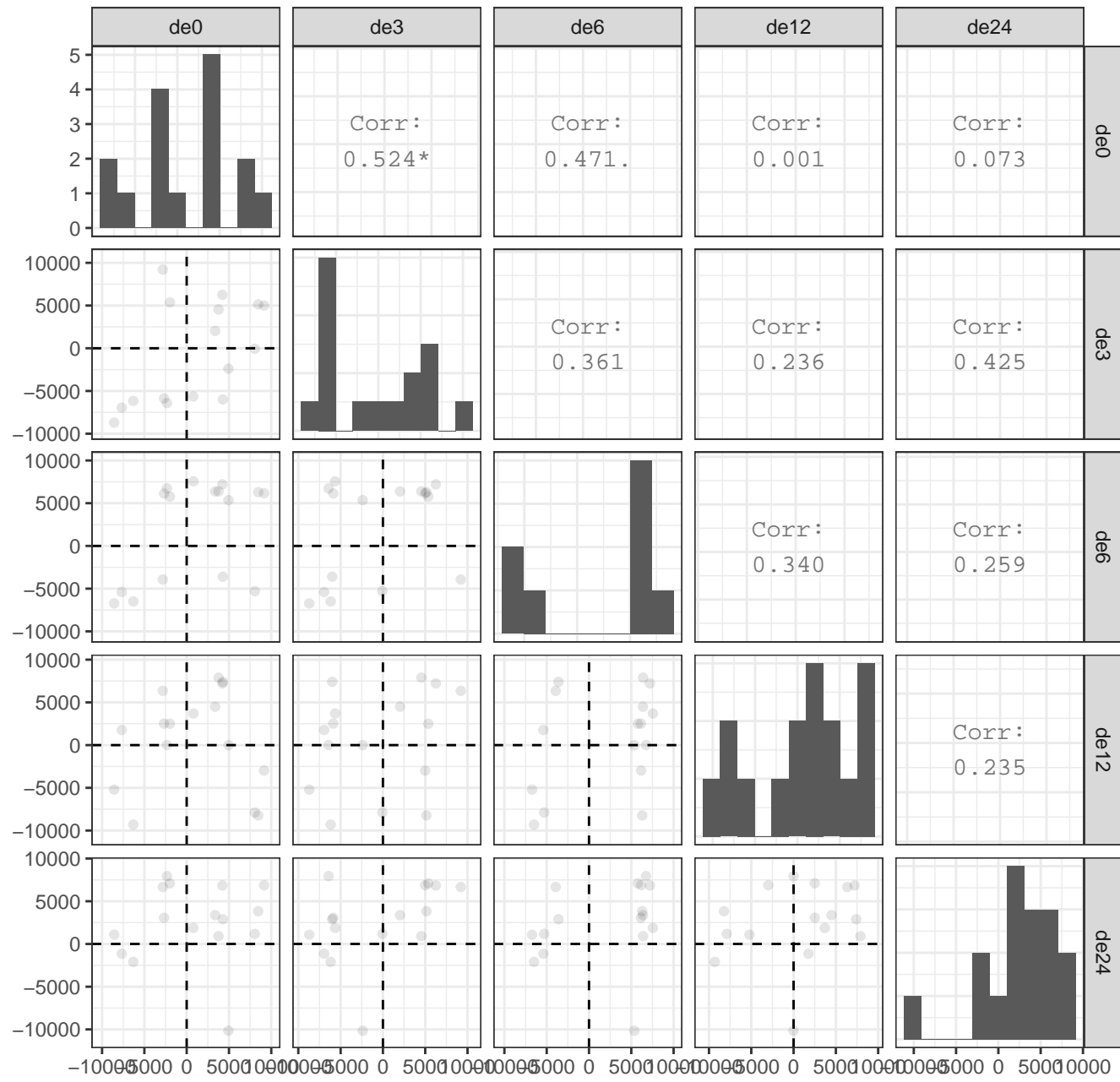
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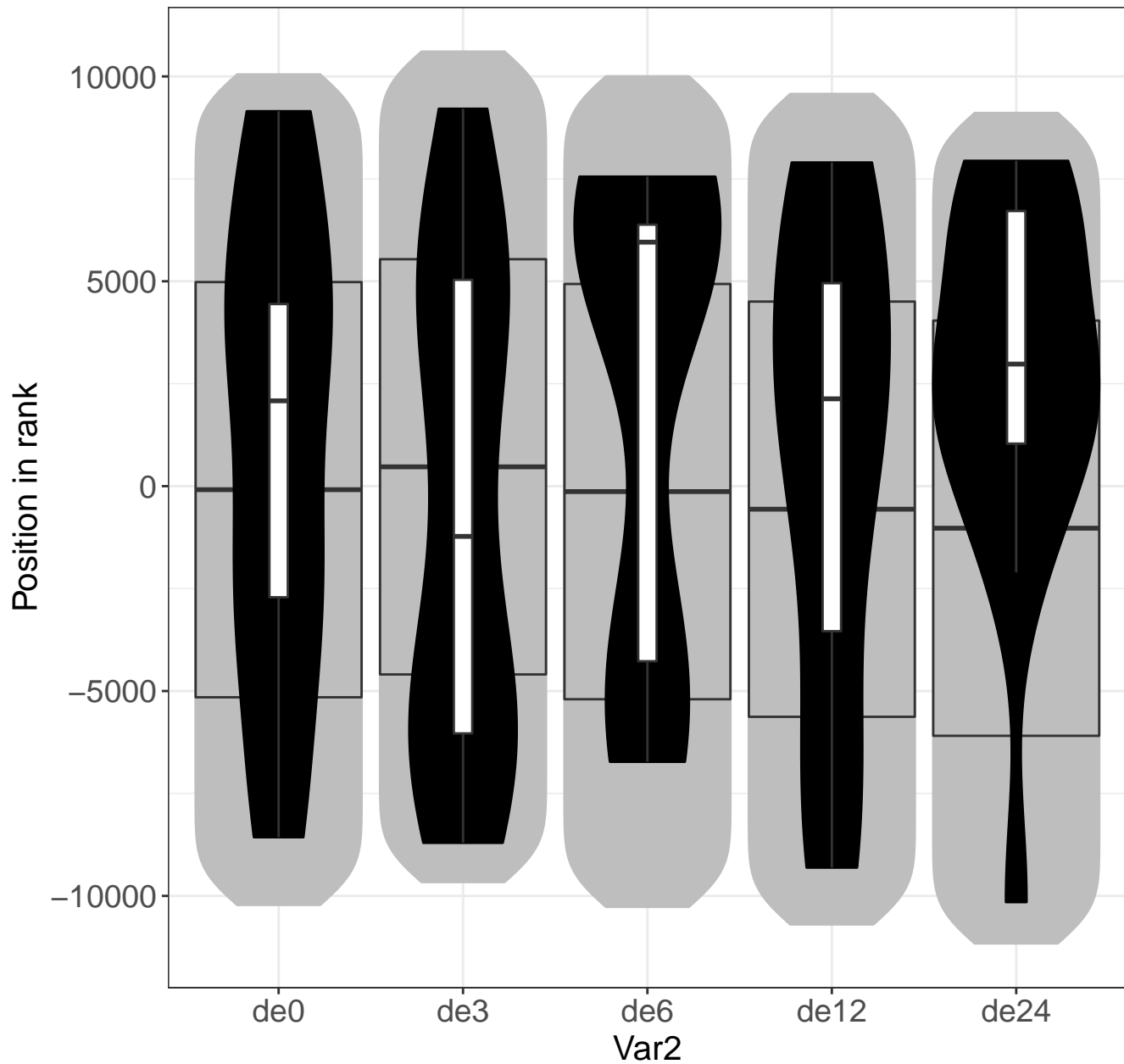
# REDOX\_GLUTAREDOXINS



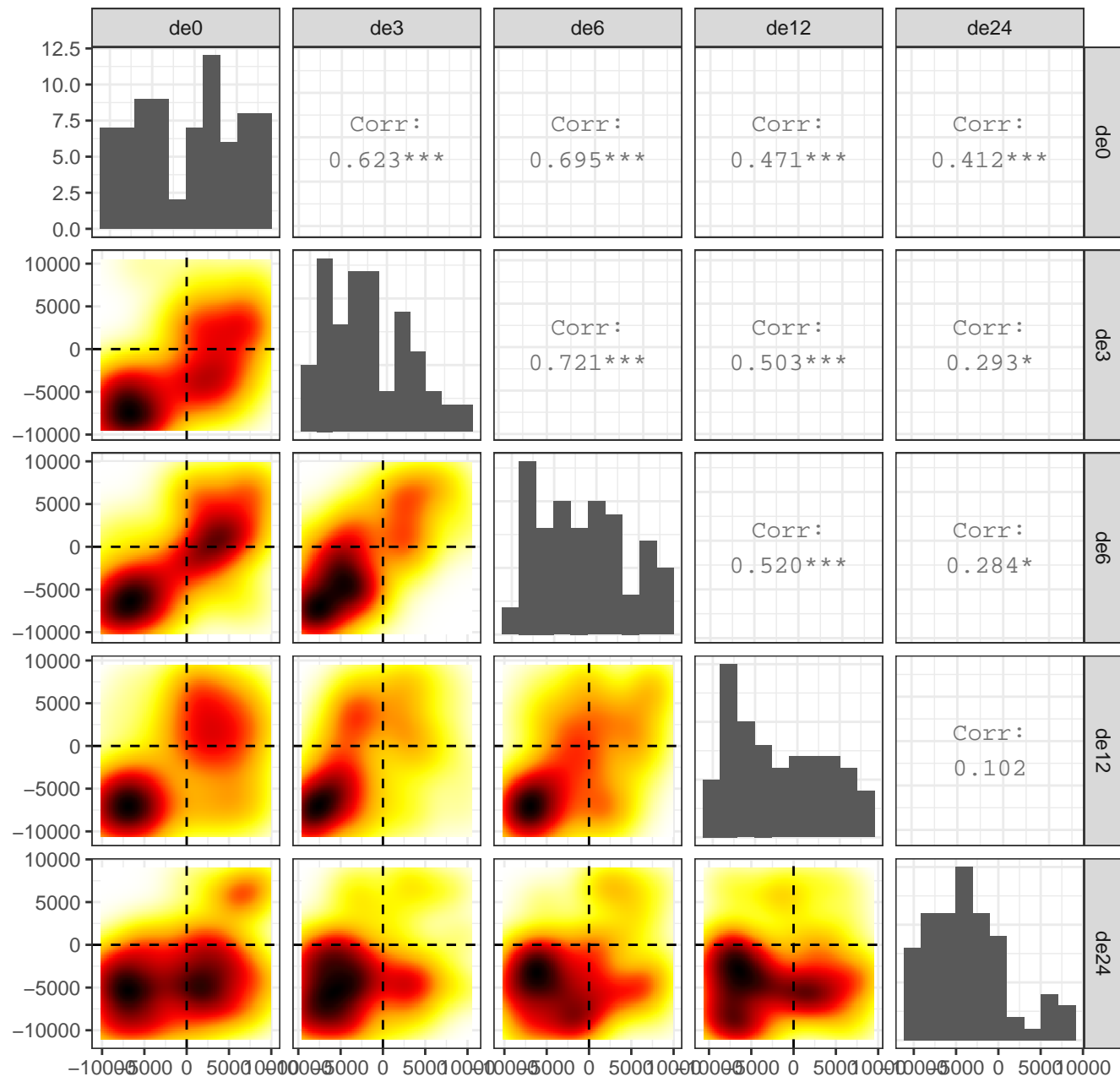
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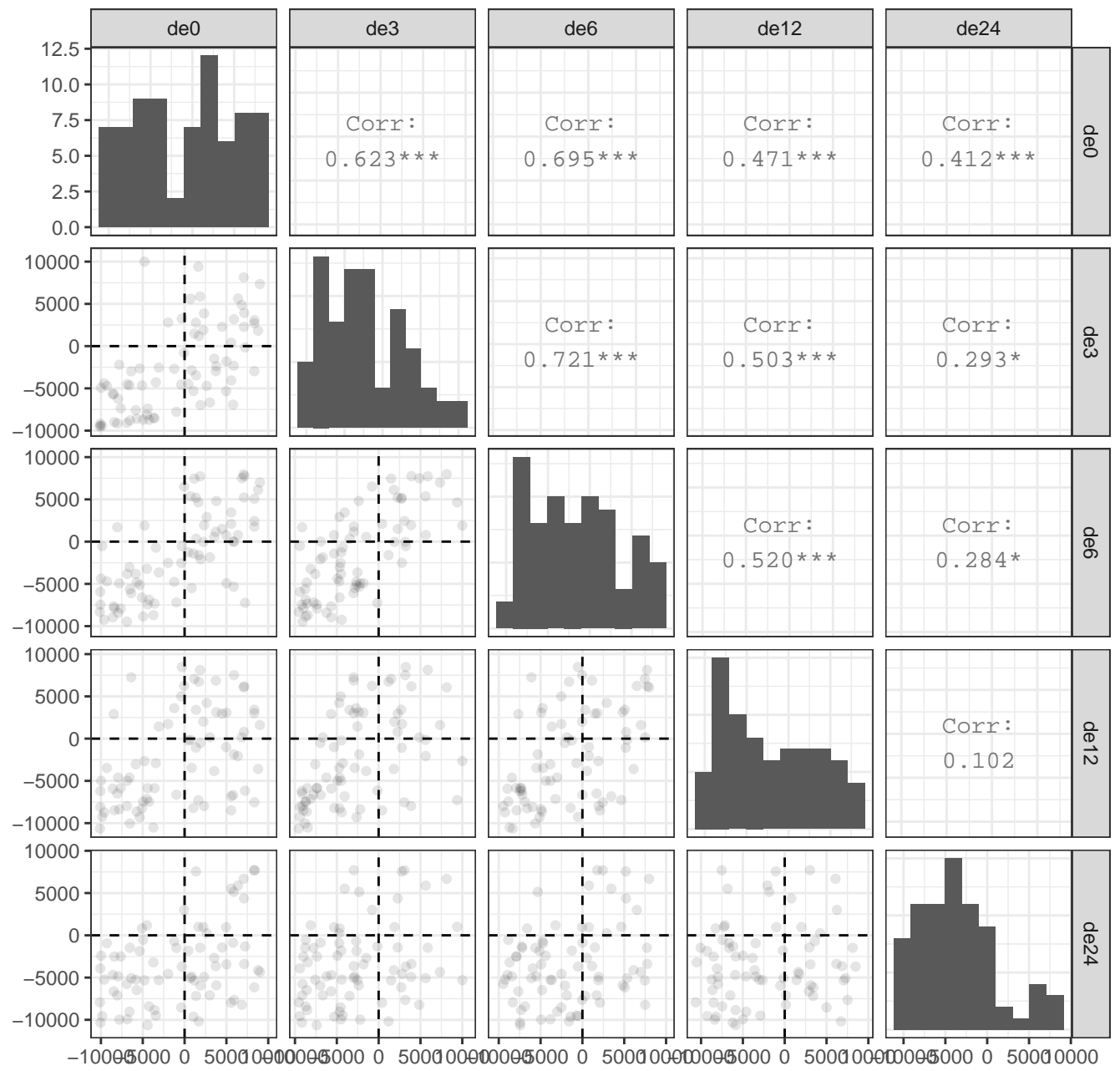
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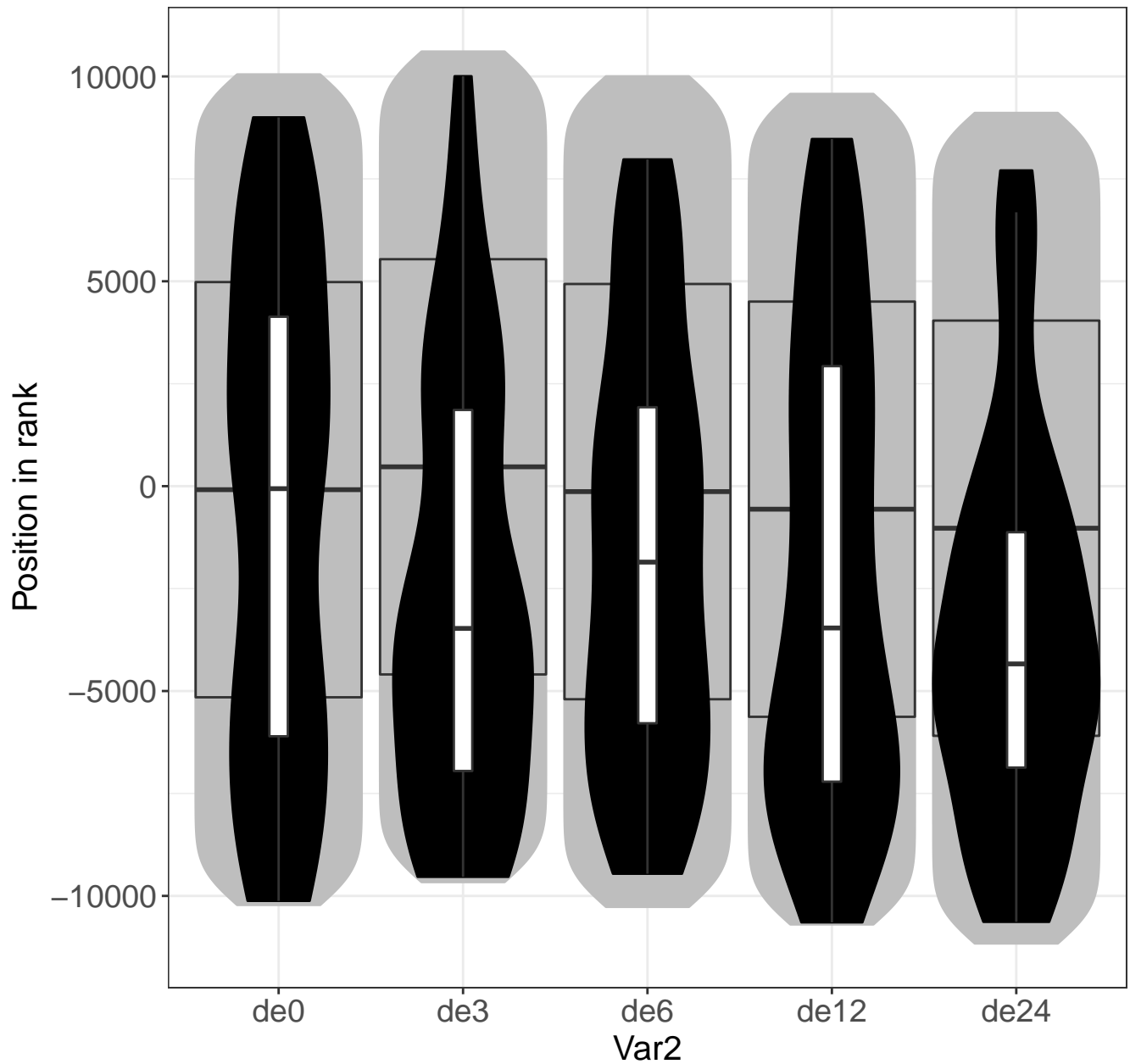
# RNA\_REGULATION\_OF\_TRANSCRIPTION\_PUTATIVE\_TRANSCRIPTION\_RE



# RNA\_REGULATION\_OF\_TRANSCRIPTION\_PUTATIVE\_TRANSCRIPTION\_RE

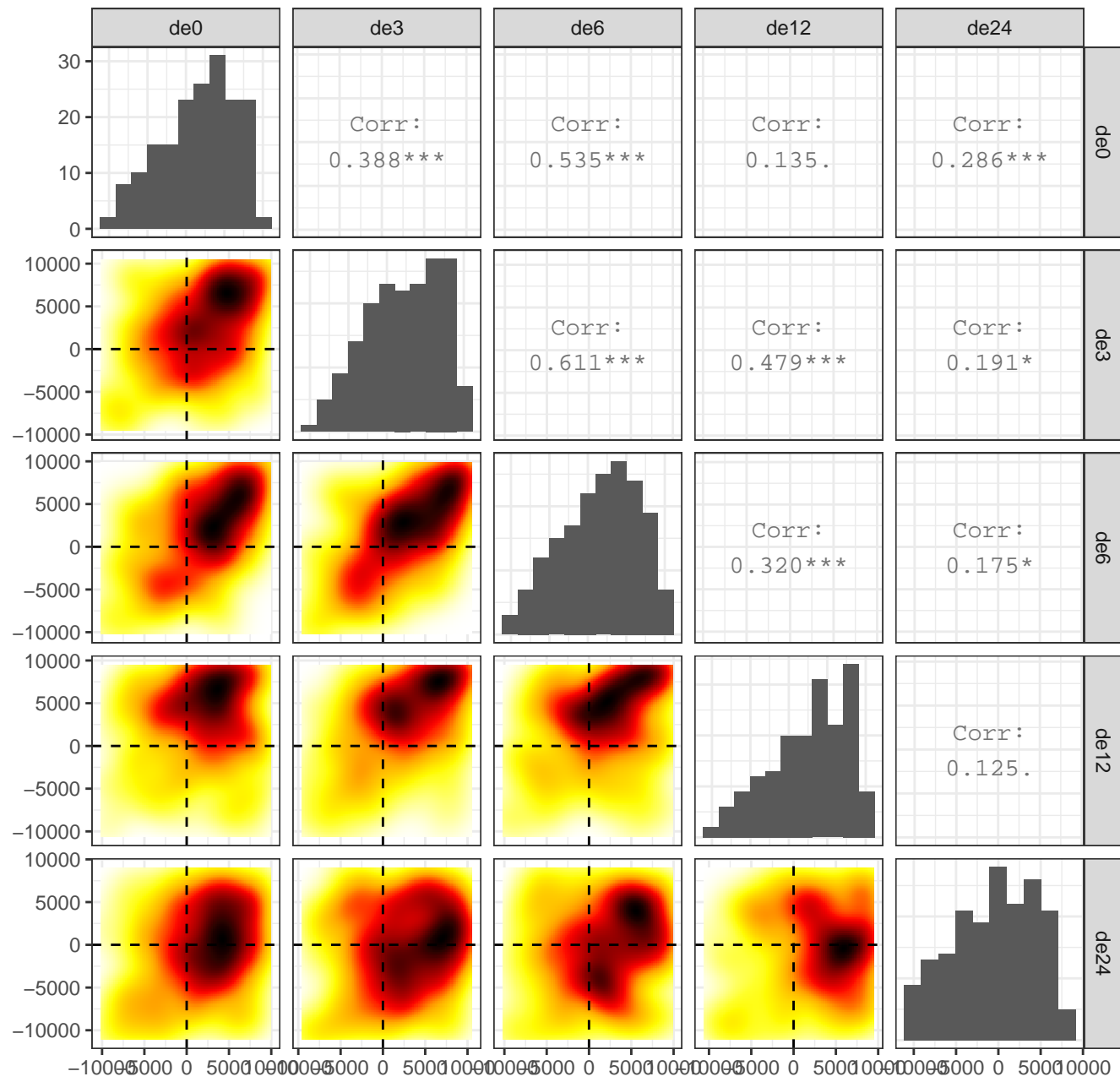


# RNA\_REGULATION\_OF\_TRANSCRIPTION\_PU

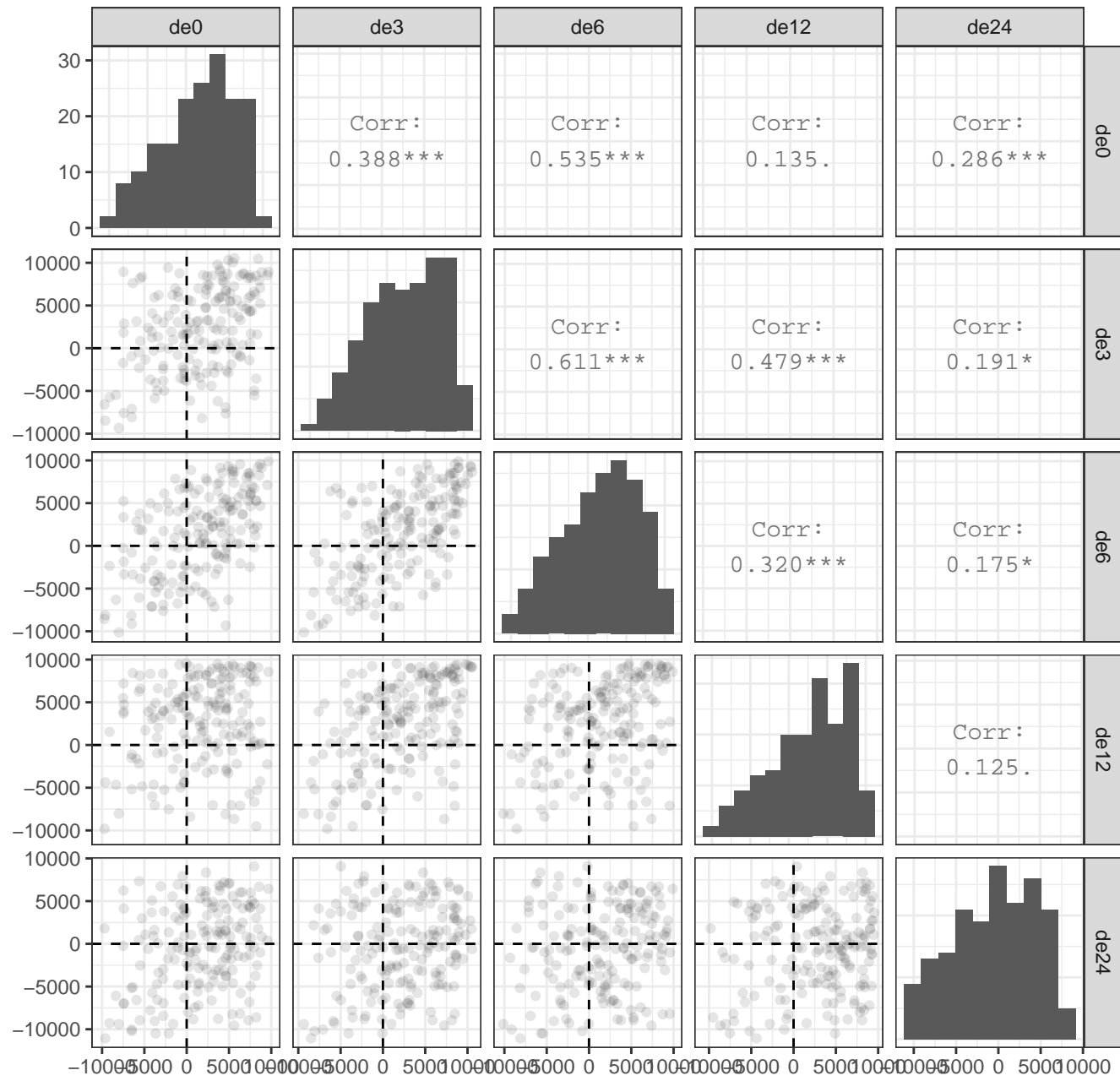




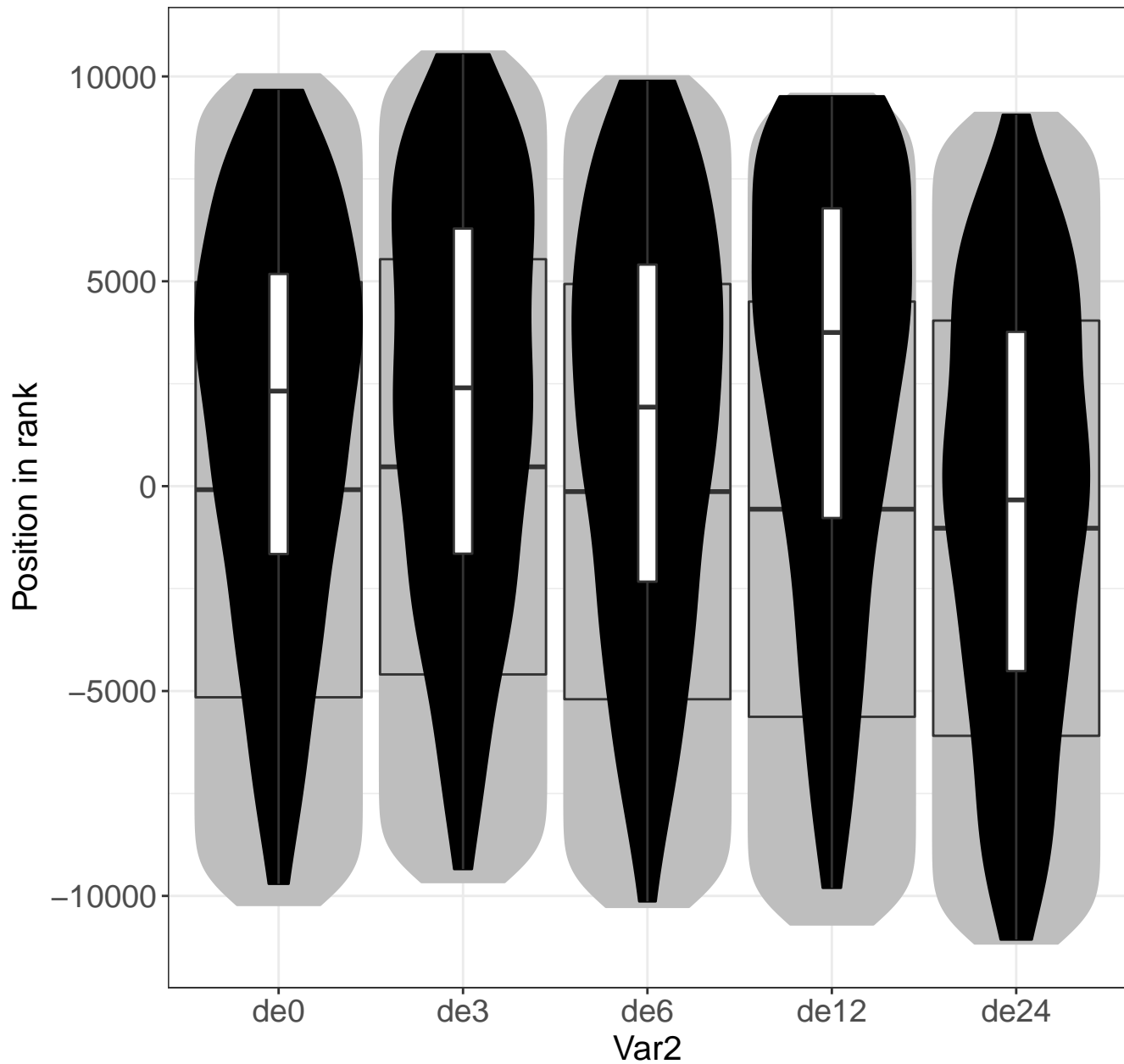
# PROTEIN\_DEGRADATION\_UBIQUITIN\_E3\_SCF\_FBOX



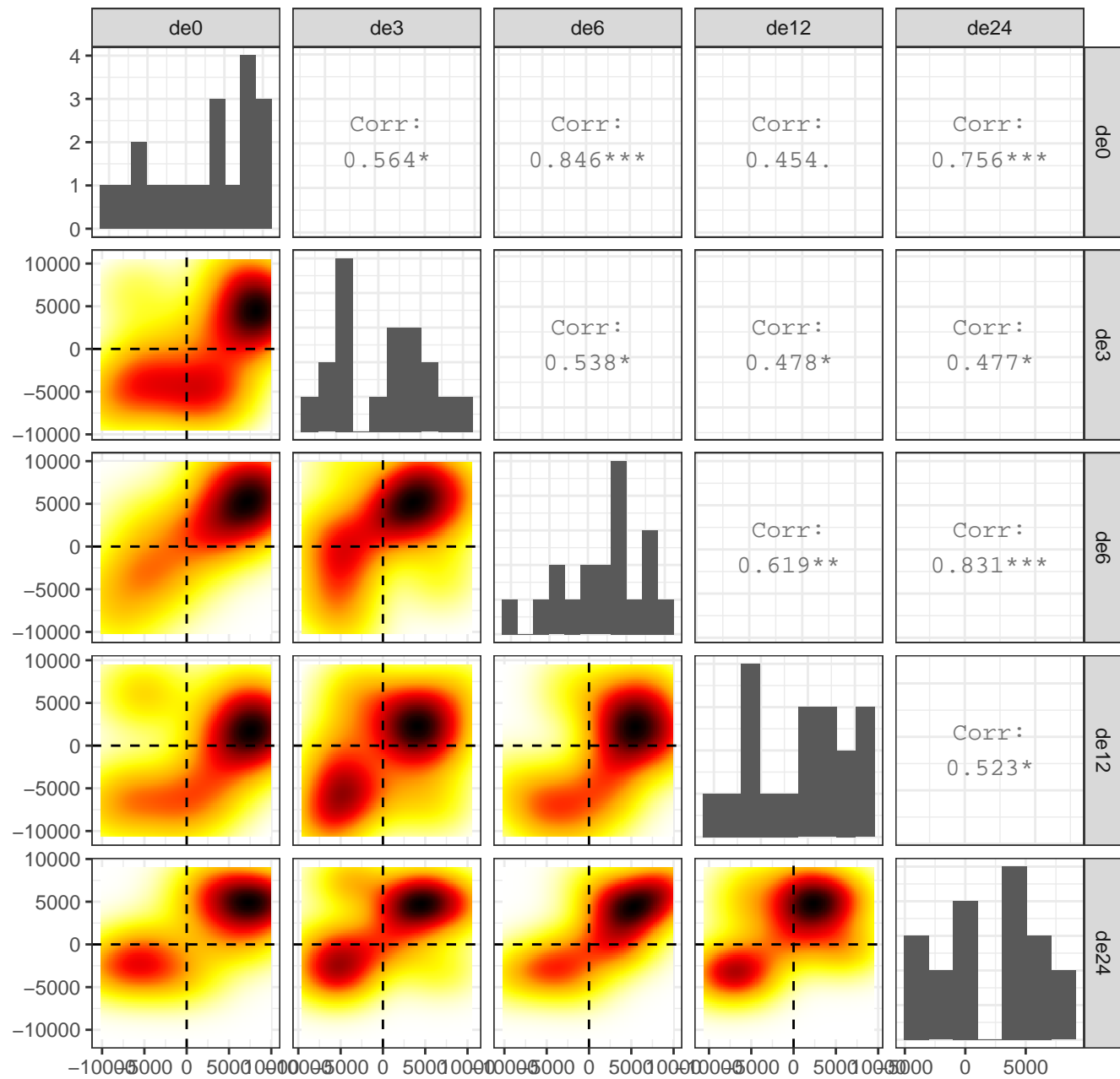
# PROTEIN\_DEGRADATION\_UBIQUITIN\_E3\_SCF\_FBOX



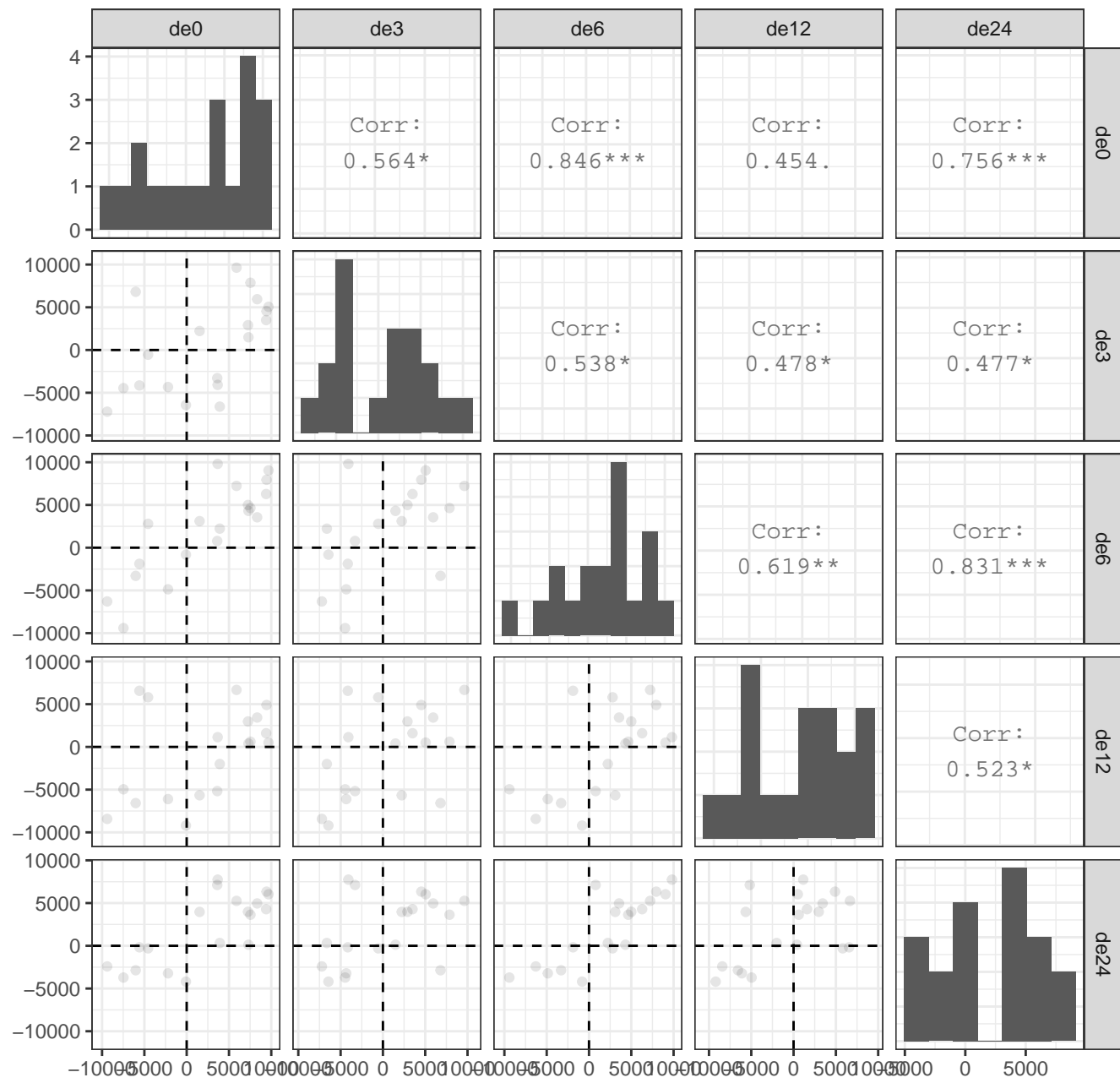
# PROTEIN\_DEGRADATION\_UBIQUITIN\_E3\_SC



# MITOCHONDRIAL\_ELECTRON\_TRANSPORT\_/\_ATP\_SYNTHESIS\_NADH-DH



# MITOCHONDRIAL\_ELECTRON\_TRANSPORT\_/\_ATP\_SYNTHESIS\_NADH-DH



# MITOCHONDRIAL\_ELECTRON\_TRANSPORT

