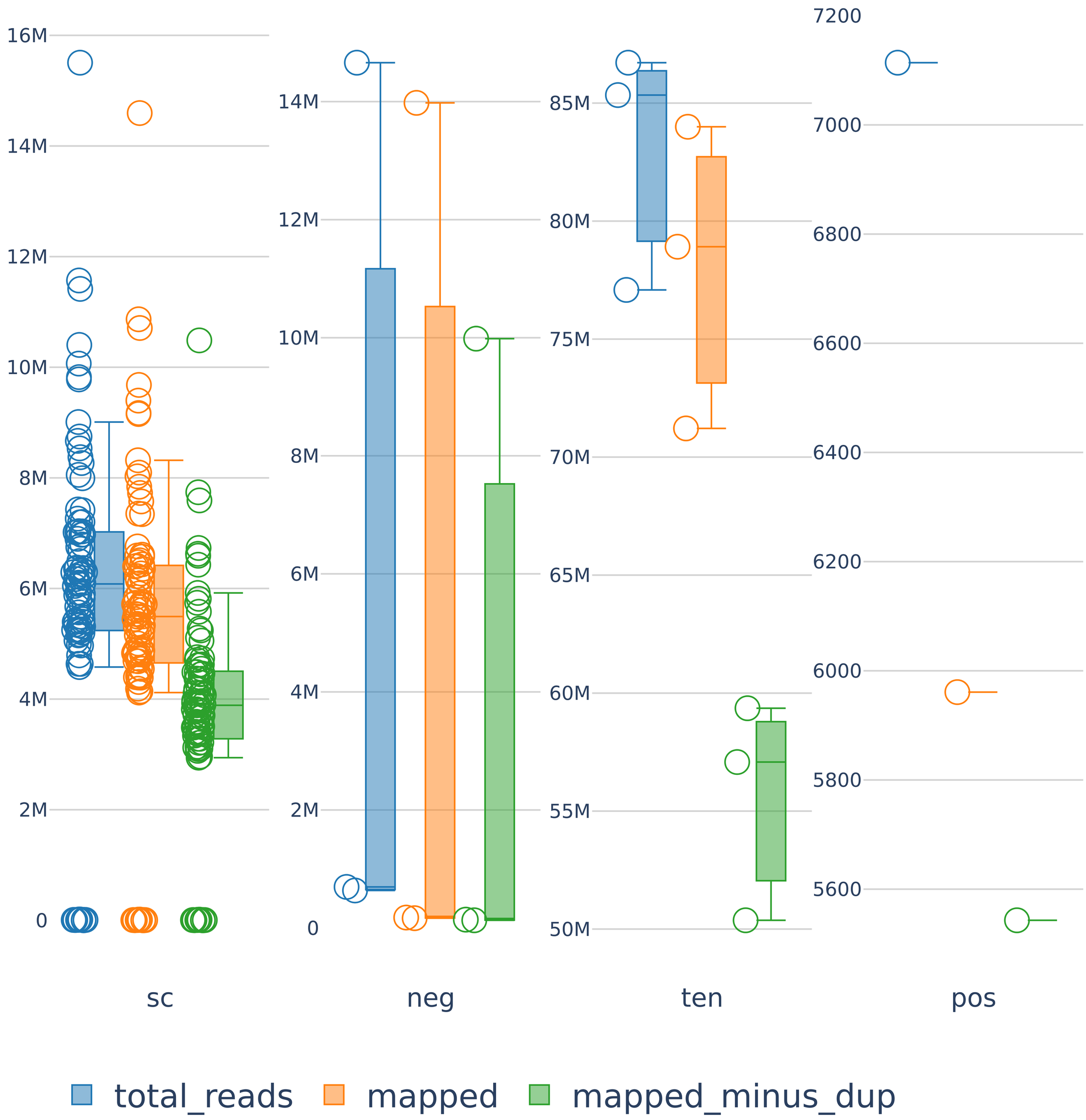
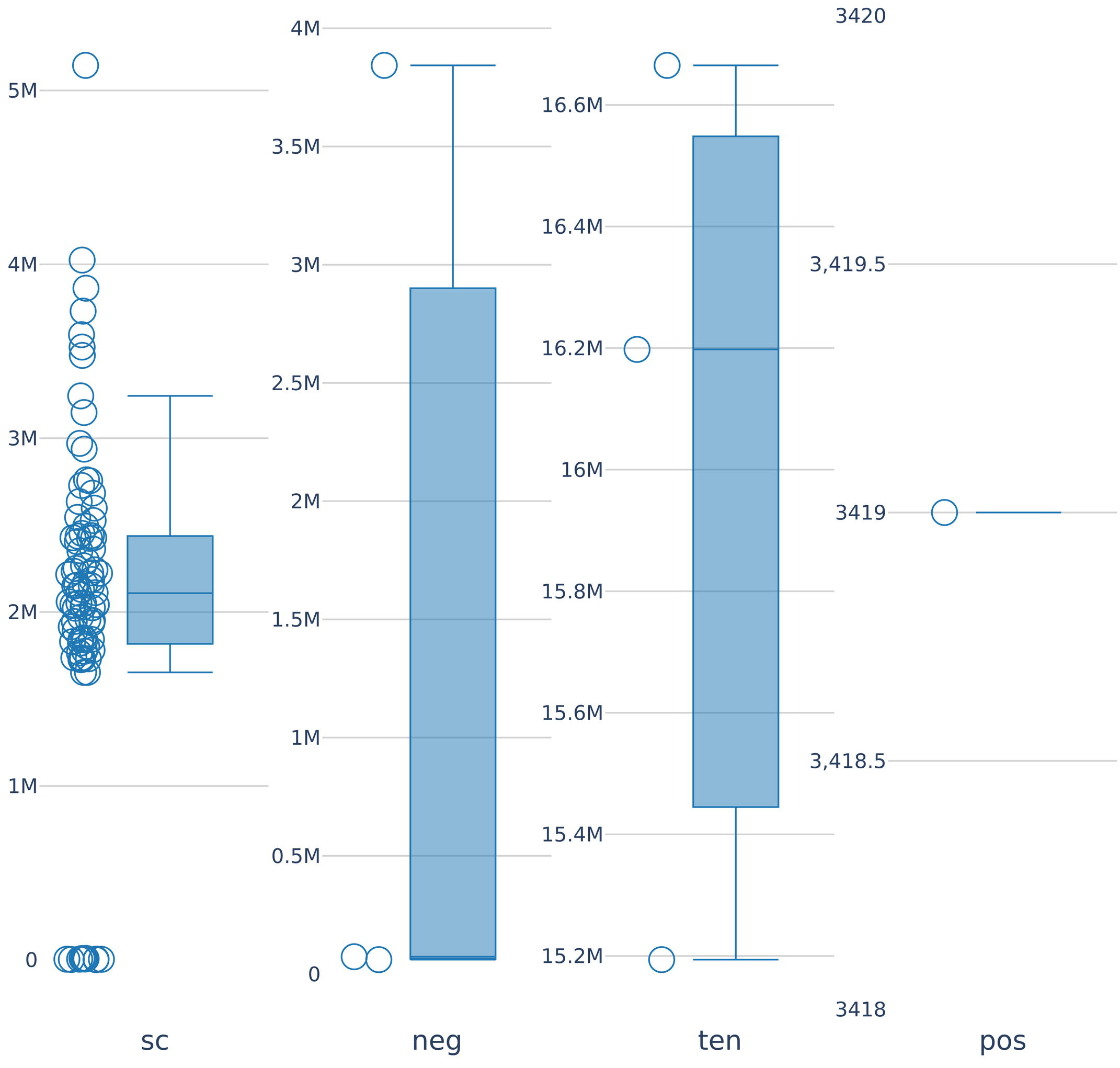
PX0740 total_reads,mapped,mapped_minus_dup

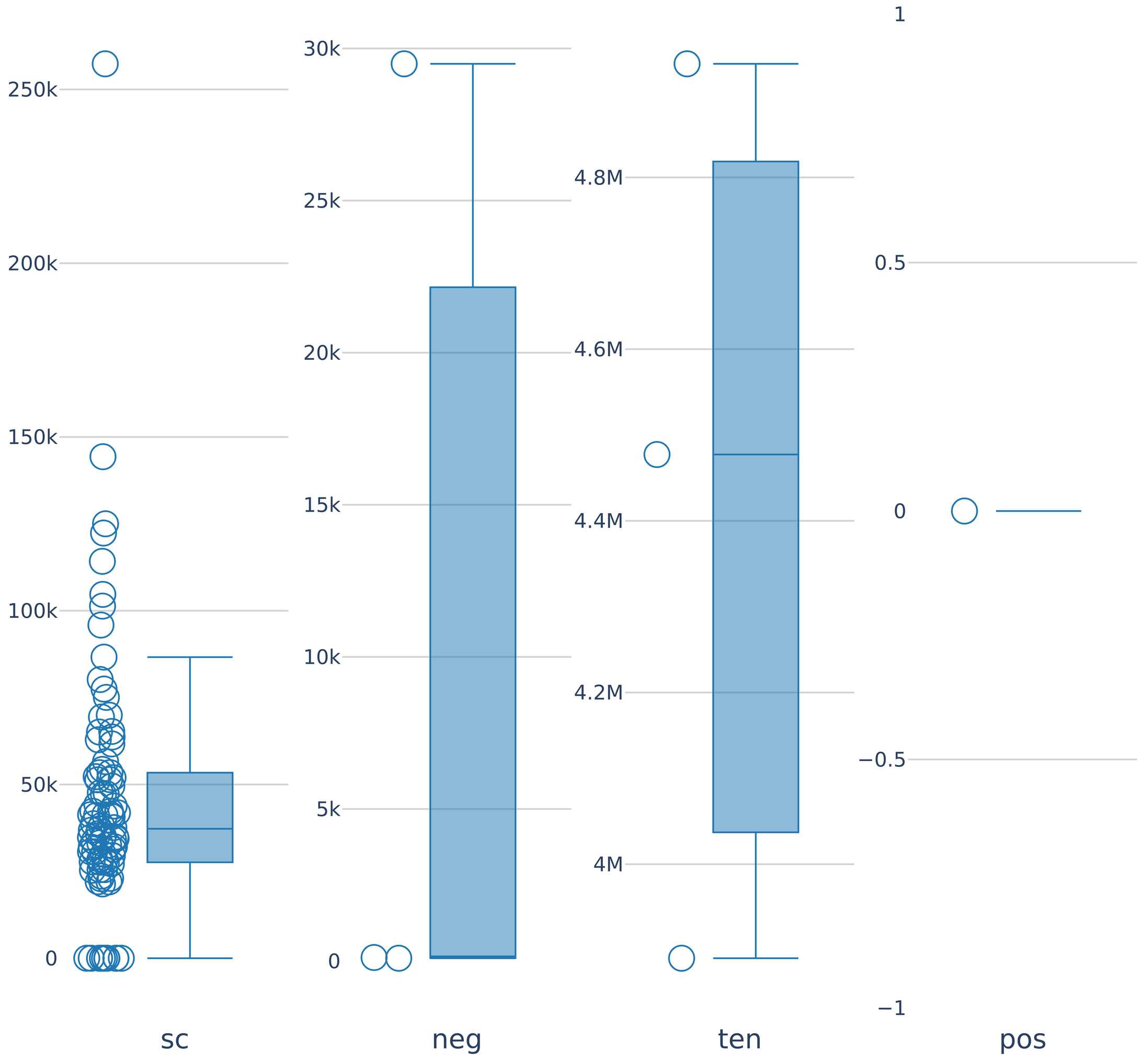


PX0740 cpg_count



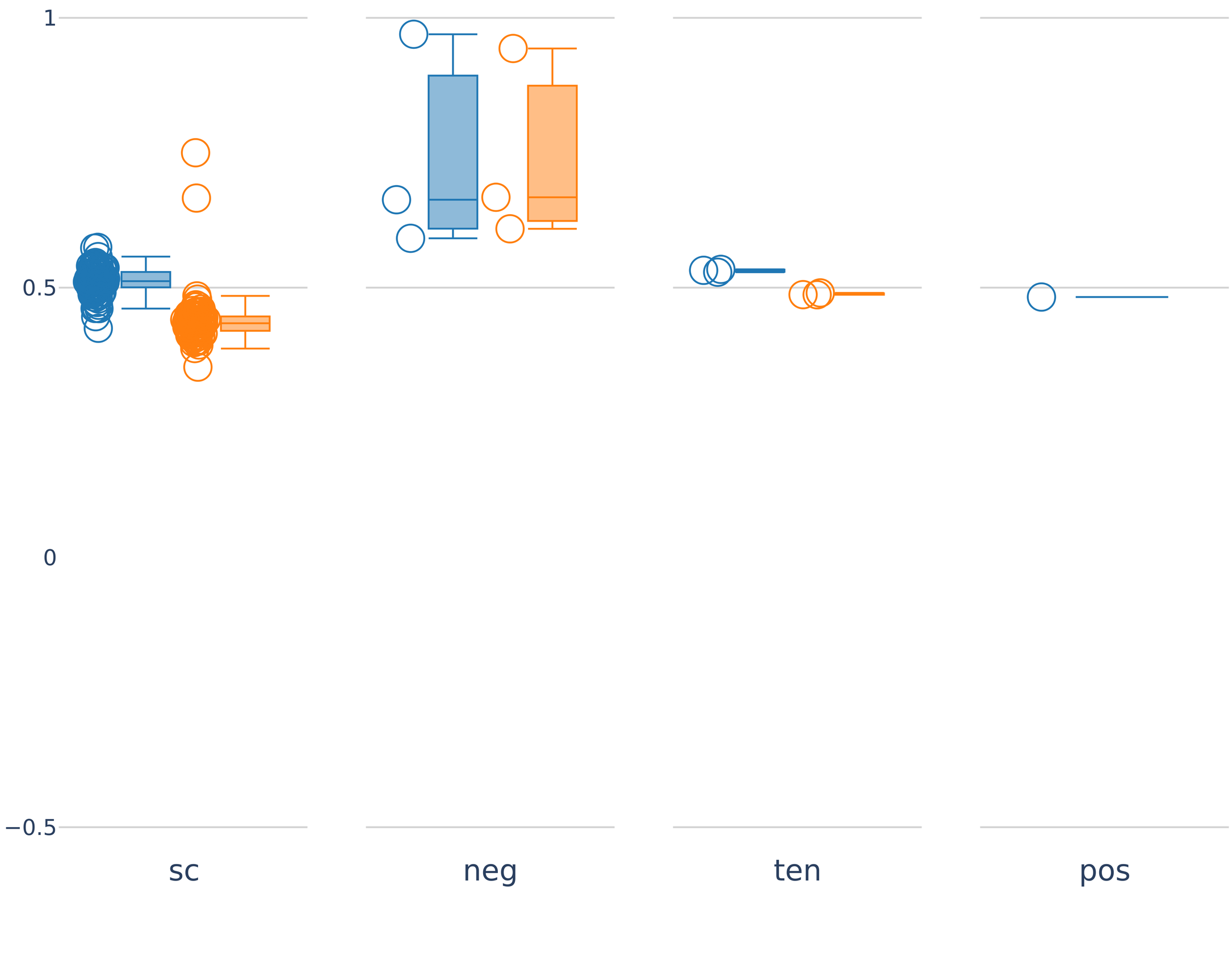
cpg_count

PX0740 cpg_count_cov3

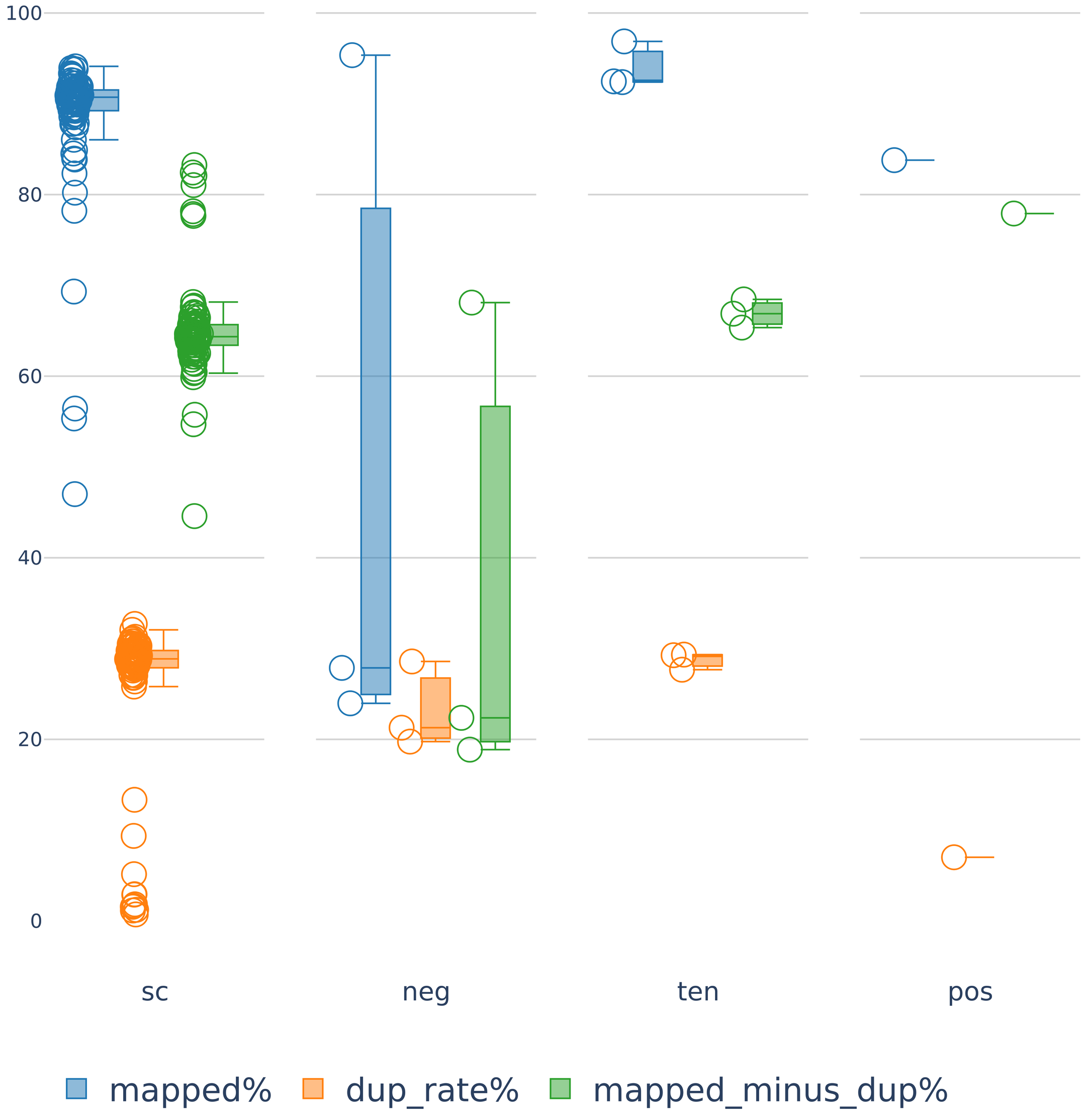


cpg_count_cov3

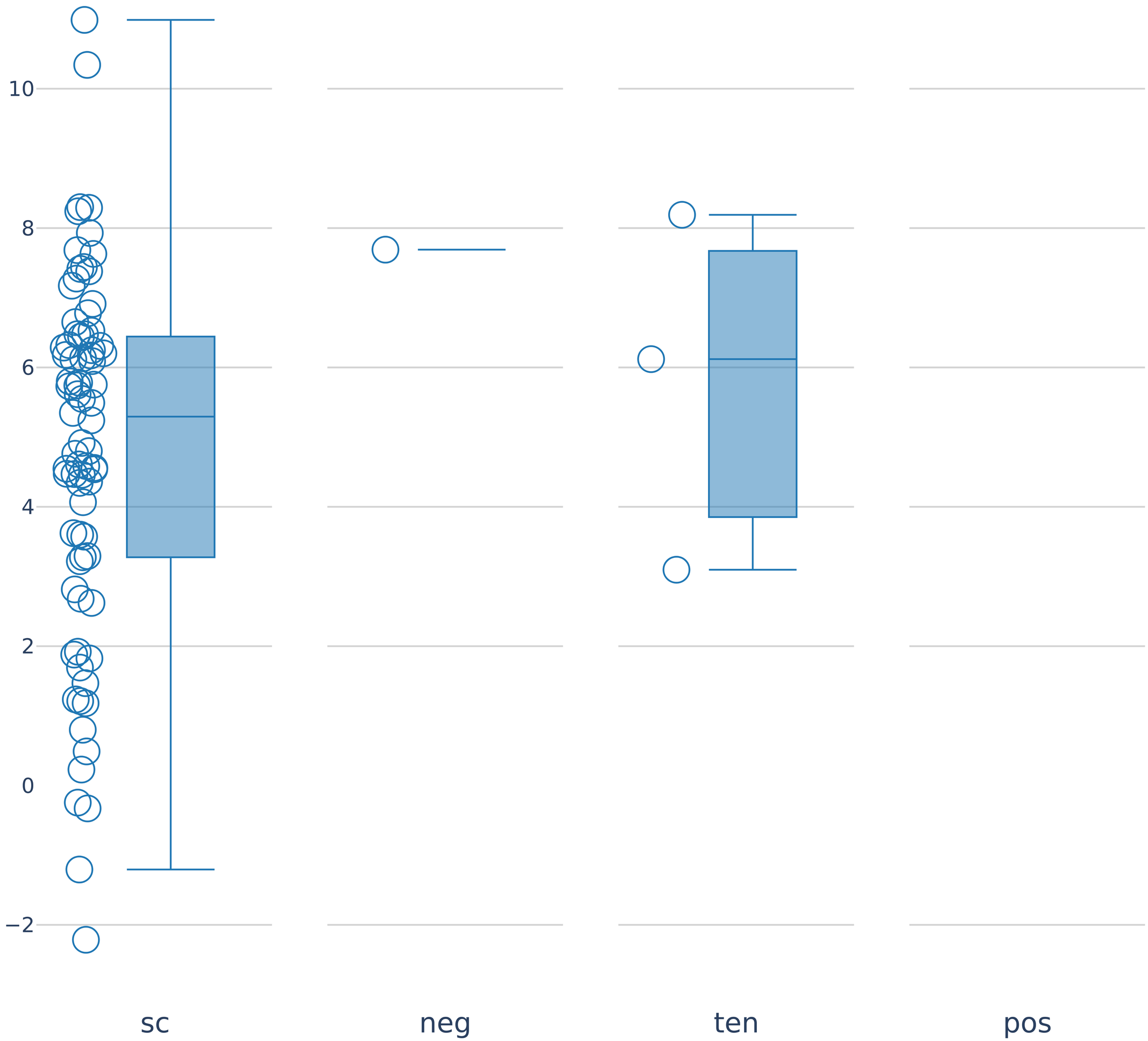
PX0740 average_meth,average_meth_cov3



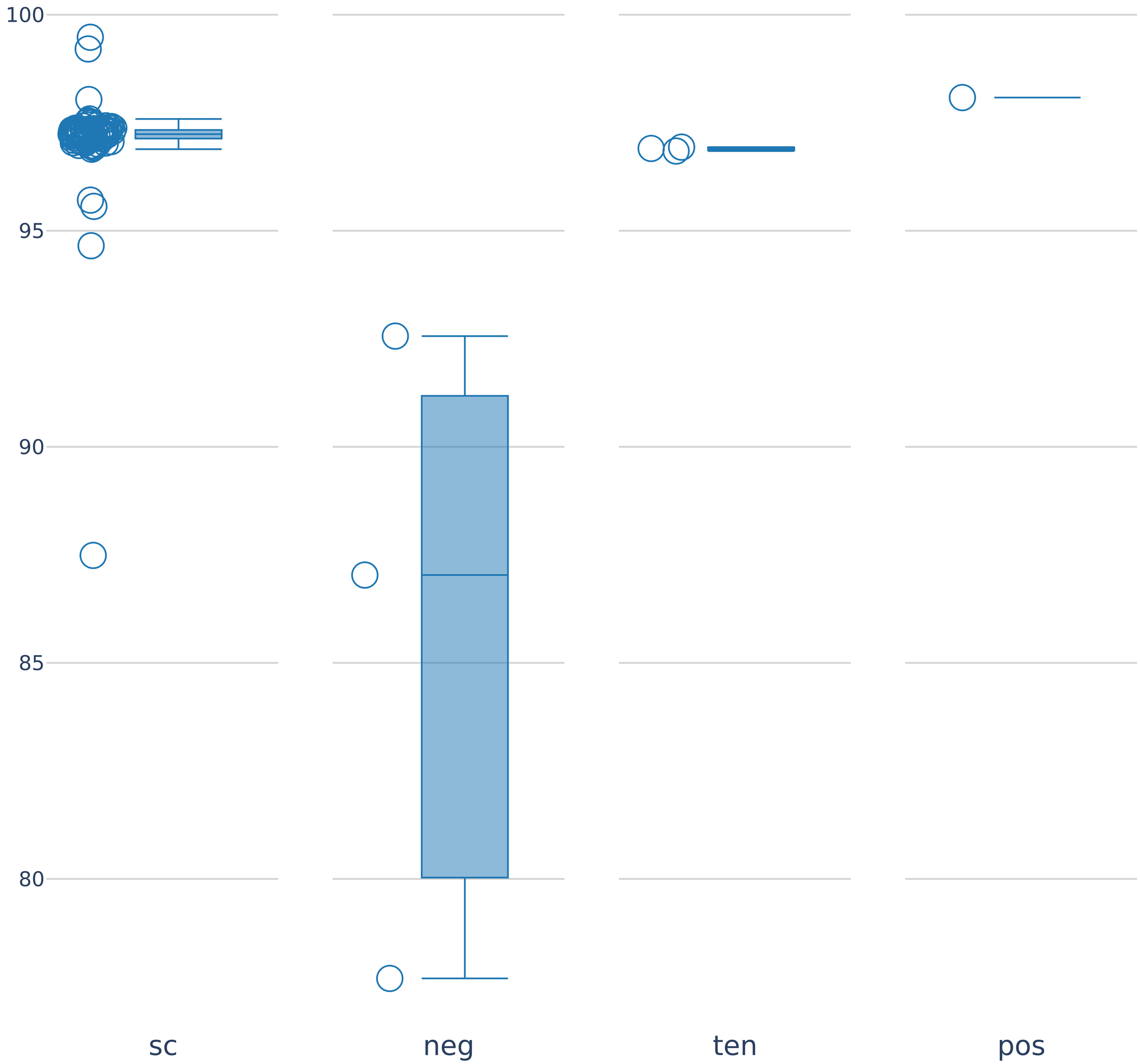
PX0740 mapped%,dup_rate%,mapped_minus_dup%



PX0740 T7_conversion

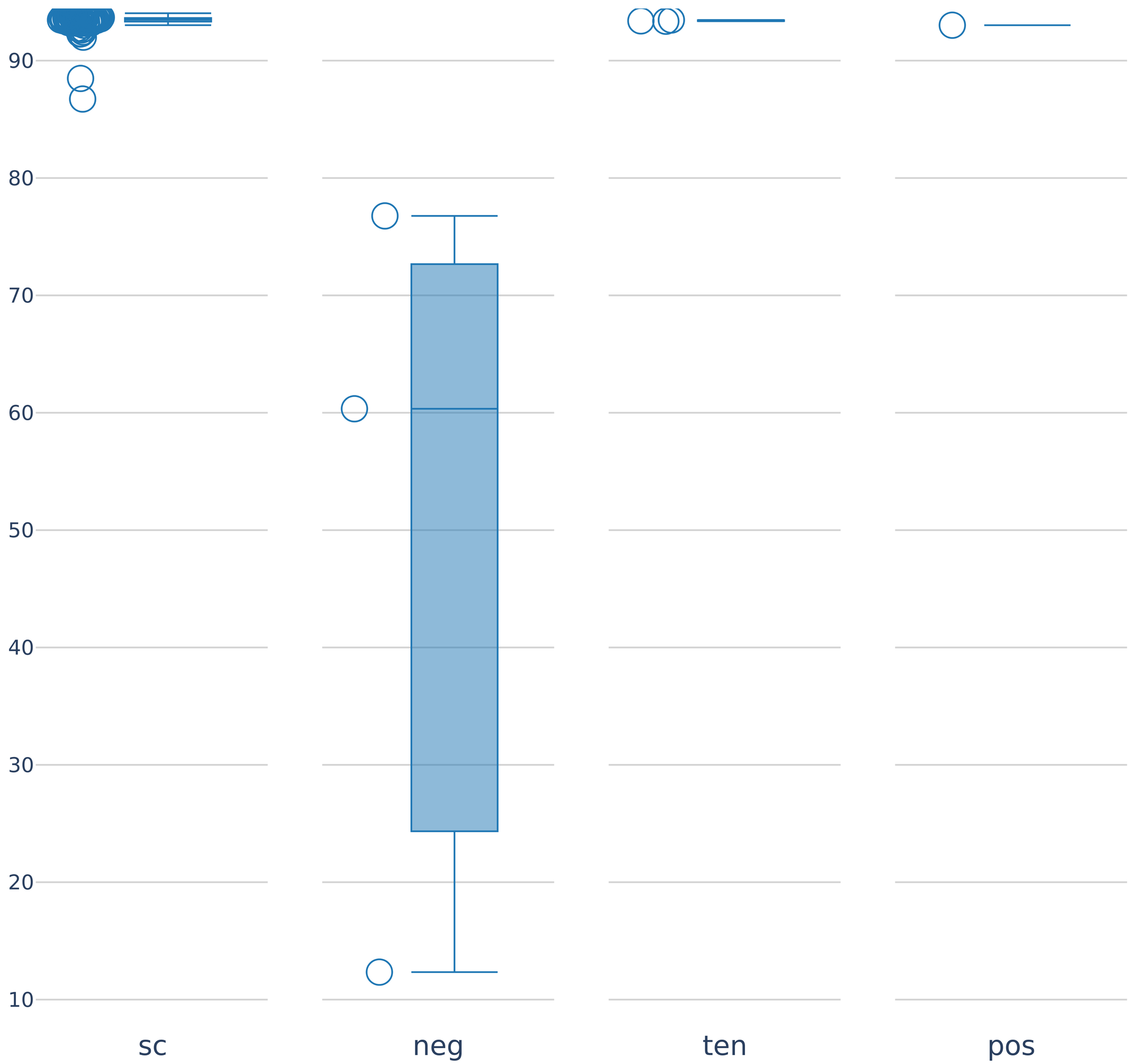


PX0740 lambda_conversion



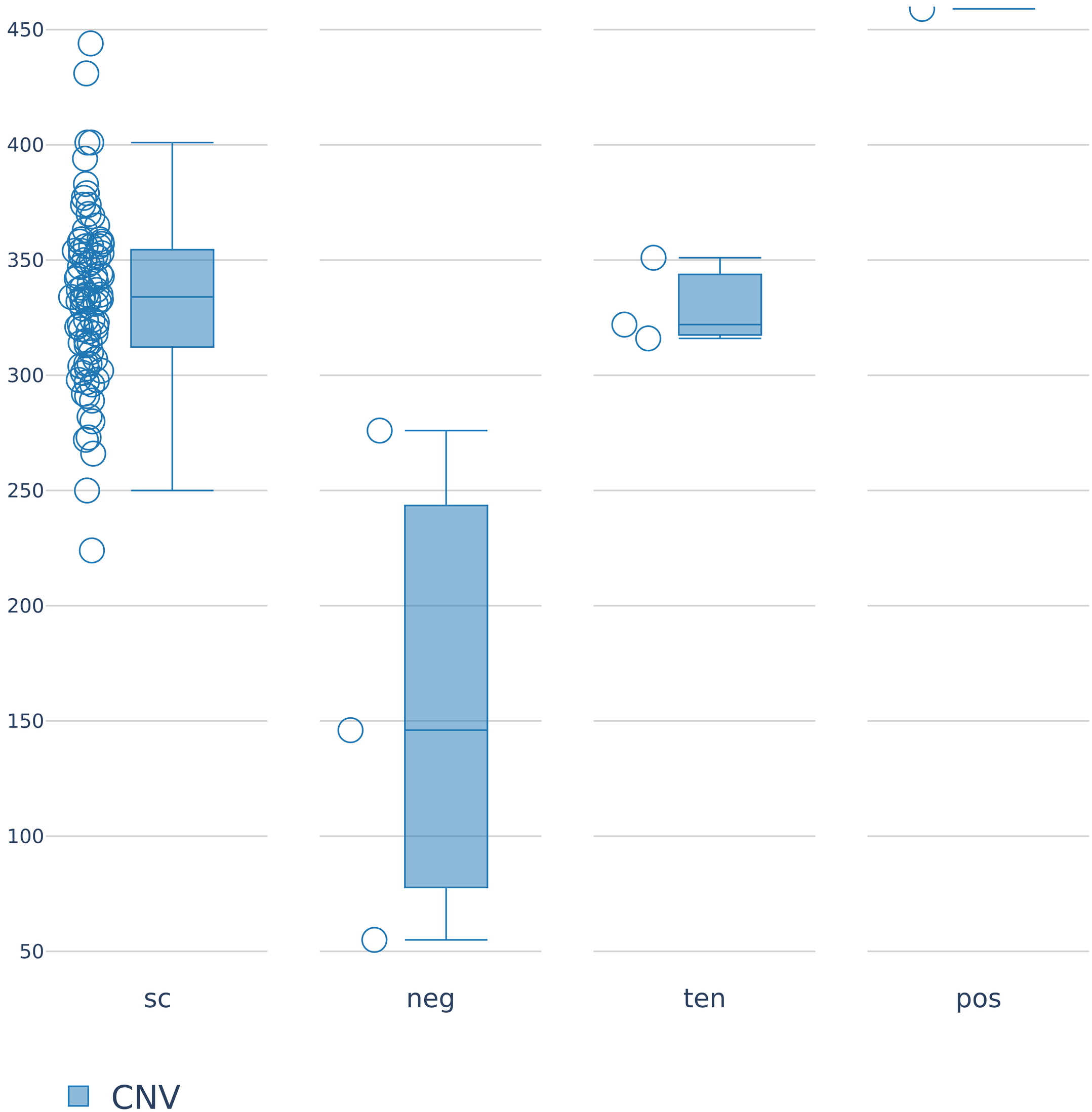
lambda_conversion

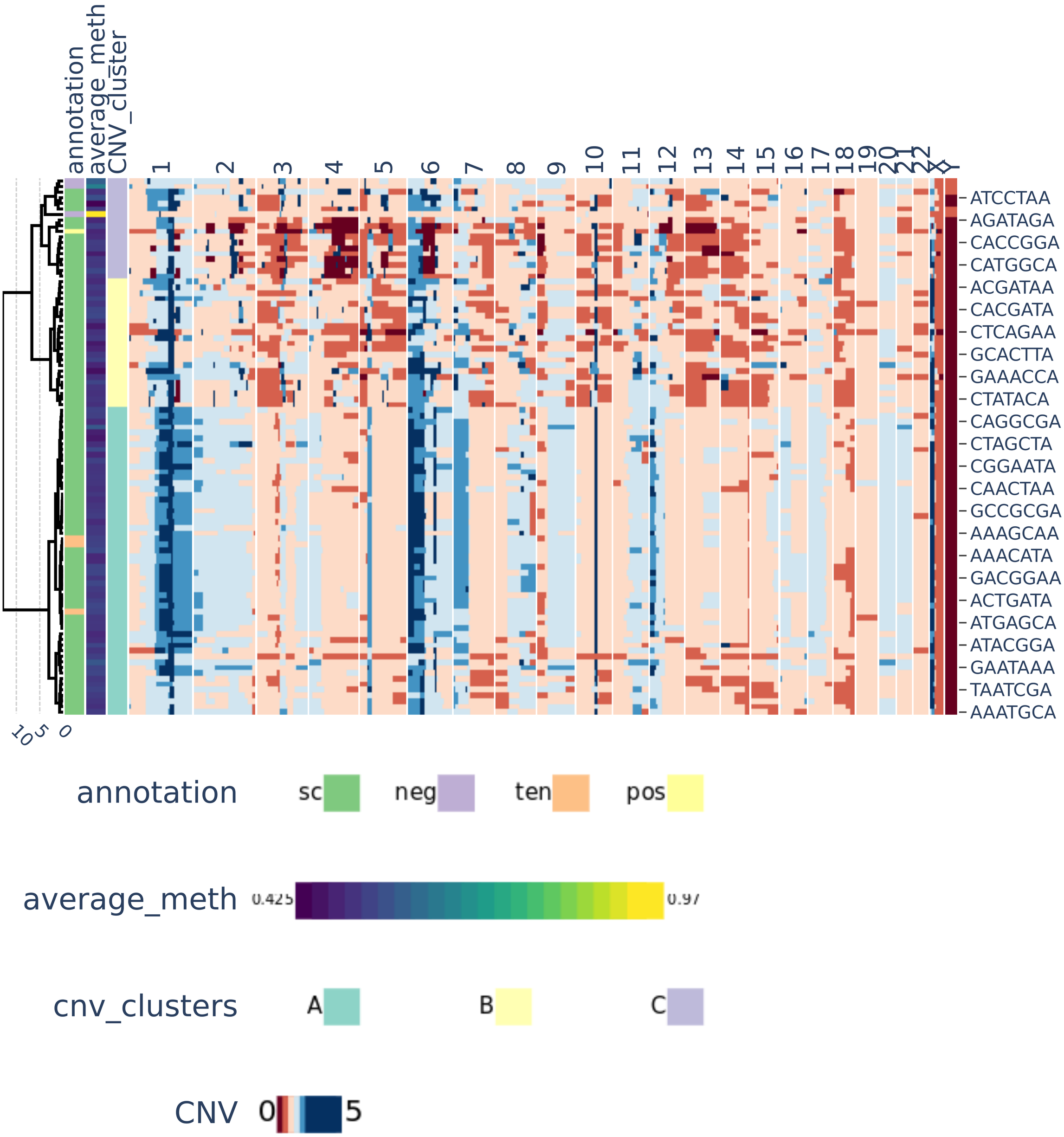
PX0740 general_conversion

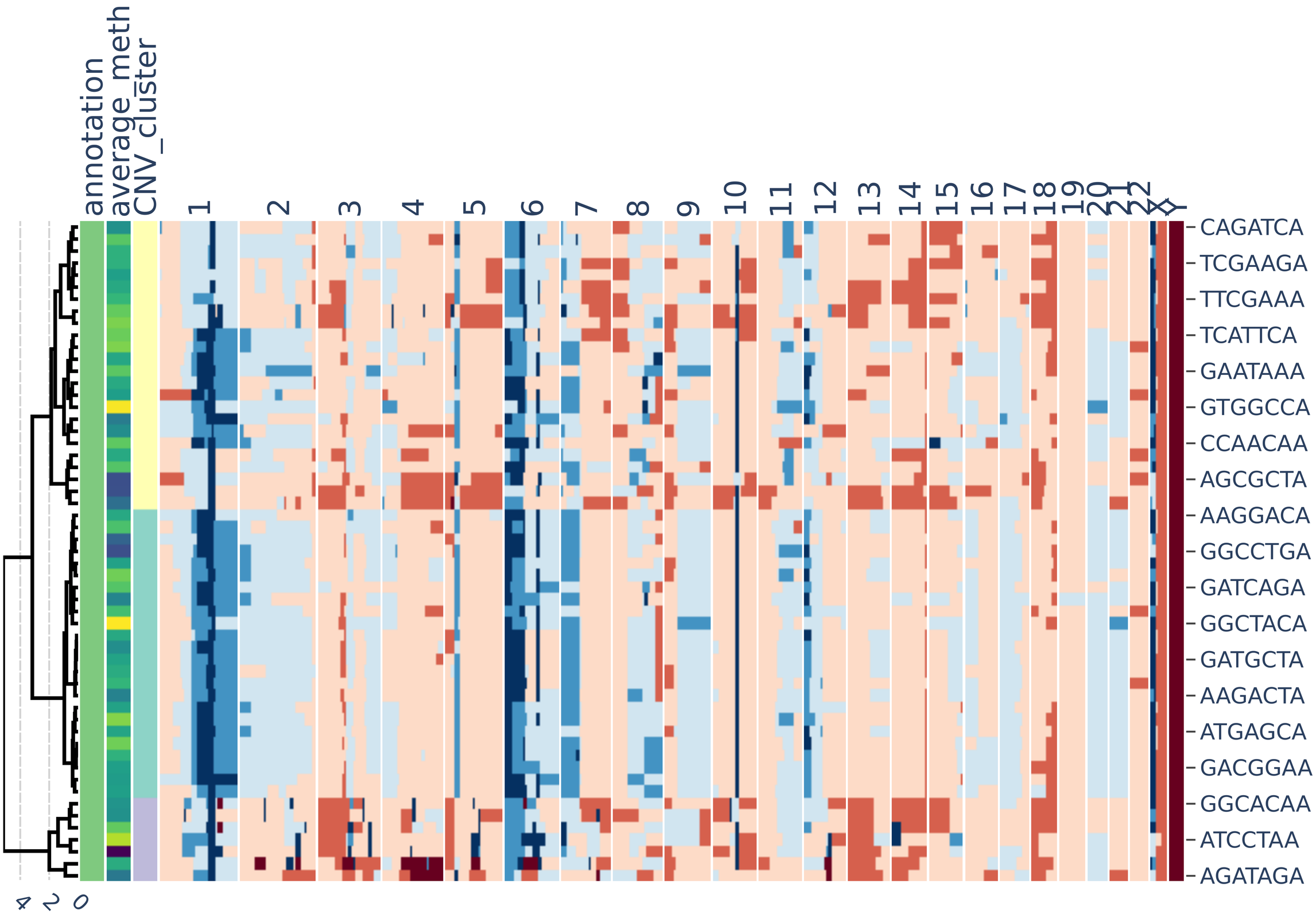


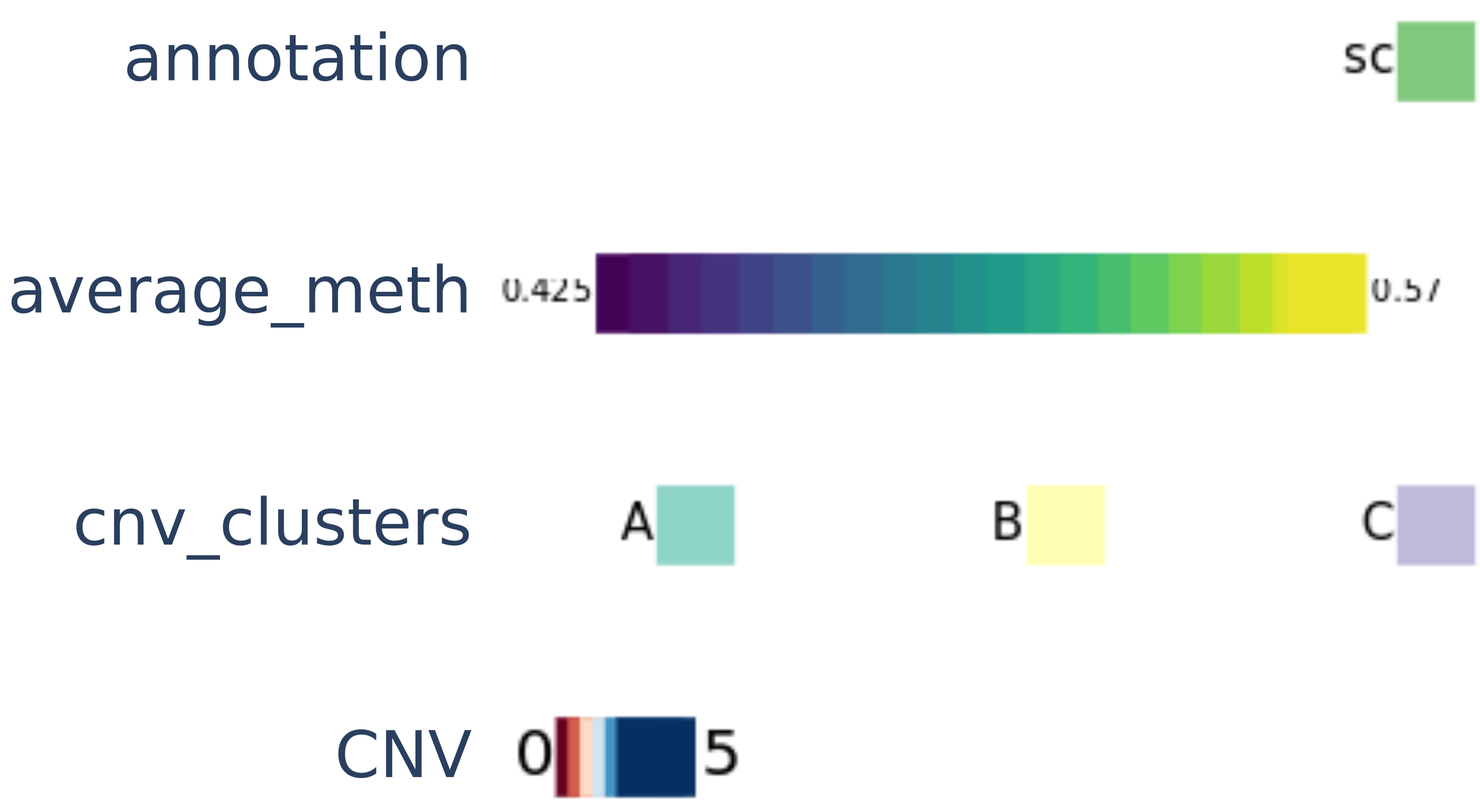
general_conversion

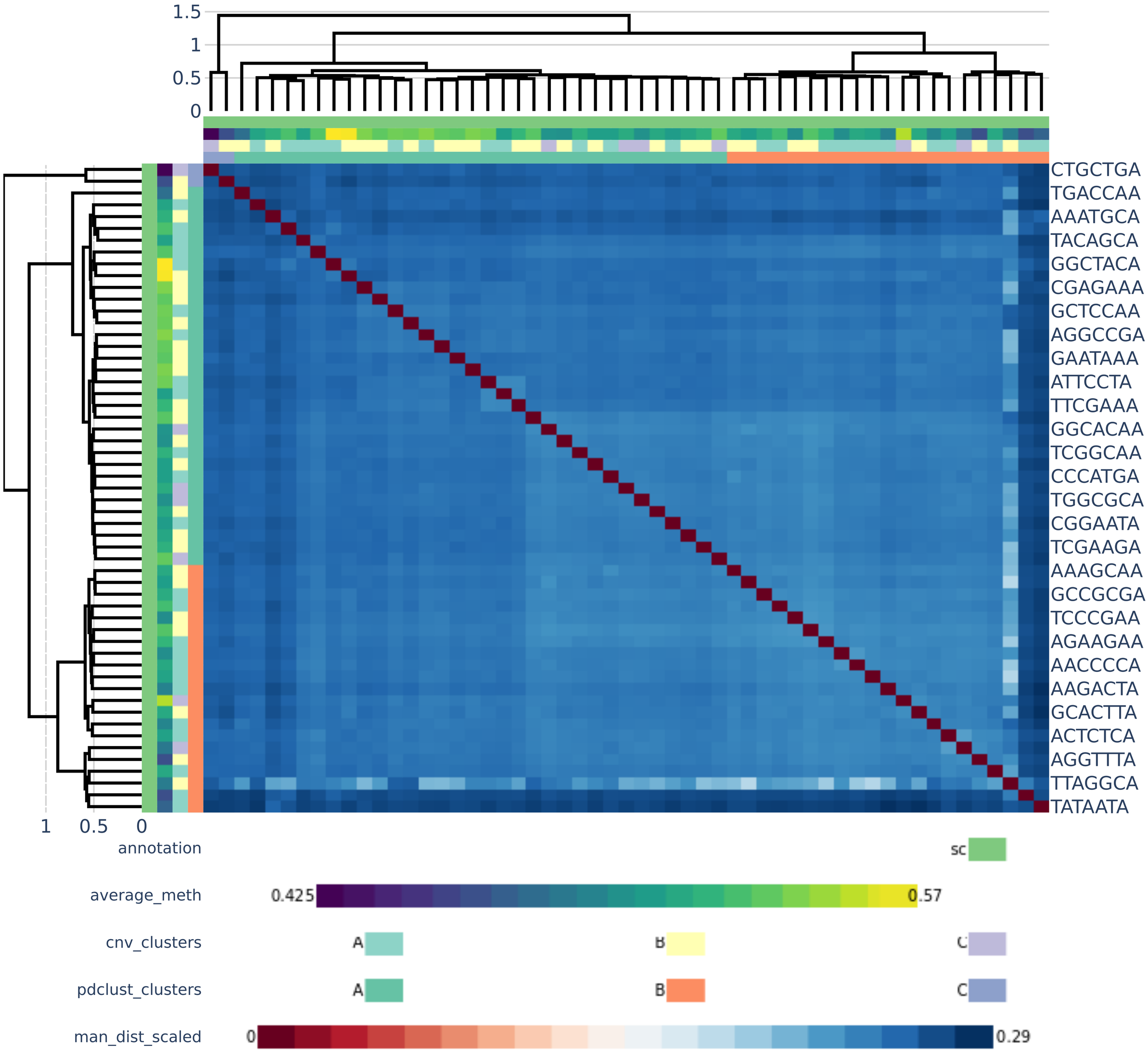
PX0740 CNV



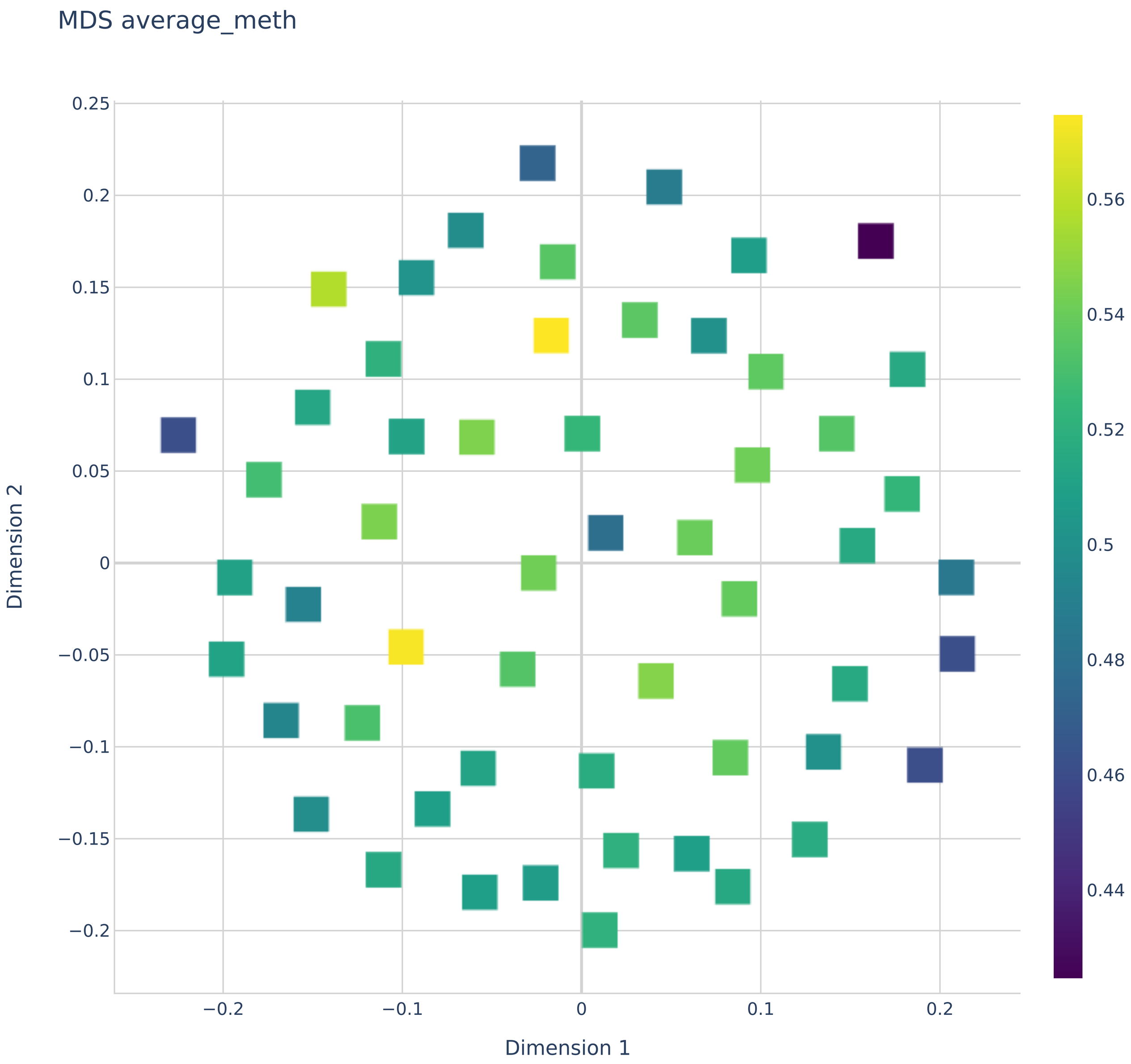

annotation
average_meth
CNV_cluster
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
X
Y
ATCCTAA
AGATAGA
CACCGGA
CATGGCA
ACGATAA
CACGATA
CTCAGAA
GCACTTA
GAAACCA
CTATACA
CAGGCGA
CTAGCTA
CGGAATA
CAACTAA
GCCGCGA
AAAGCAA
AAACATA
GACGGAA
ACTGATA
ATGAGCA
ATACGGA
GAATAAA
TAATCGA
AAATGCA
10
5
0
annotation
sc
neg
ten
pos
average_meth
0.425
0.97
cnv_clusters
A
B
C
CNV
0
5


annotation
average_meth
CNV_cluster
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
X
Y
CAGATCA
TCGAAGA
TTCGAAA
TCATTCA
GAATAAA
GTGGCCA
CCAACAA
AGCGCTA
AAGGACA
GGCCTGA
GATCAGA
GGCTACA
GATGCTA
AAGACTA
ATGAGCA
GACGGAA
GGCACAA
ATCCTAA
AGATAGA
4
2
0

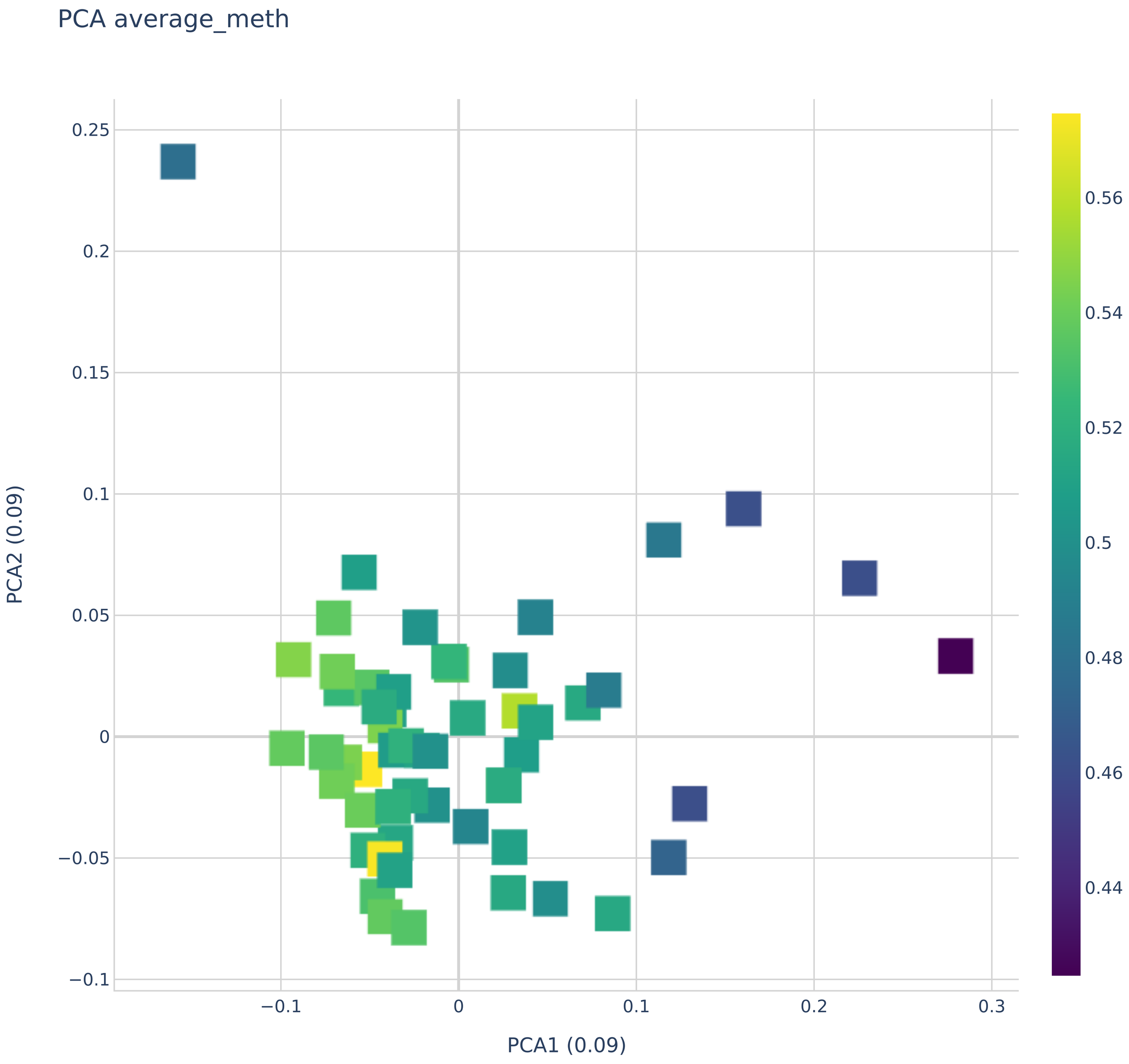

annotation
sc
average_meth
0.425
0.57
cnv_clusters
A
B
C
CNV
0
5


1.5
1
0.5
0
CTGCTGA
TGACCAA
AAATGCA
TACAGCA
GGCTACA
CGAGAAA
GCTCCAA
AGGCCGA
GAATAAA
ATTCCTA
TTCGAAA
GGCACAA
TCGGCAA
CCCATGA
TGGCGCA
CGGAATA
TCGAAGA
AAAGCAA
GCCGCGA
TCCCGAA
AGAAGAA
AACCCCA
AAGACTA
GCACTTA
ACTCTCA
AGGTTTA
TTAGGCA
TATAATA
1
0.5
0
annotation
sc
average_meth
0.425
0.57
cnv_clusters
A
B
C
pdclust_clusters
A
B
C
man_dist_scaled
0
0.29

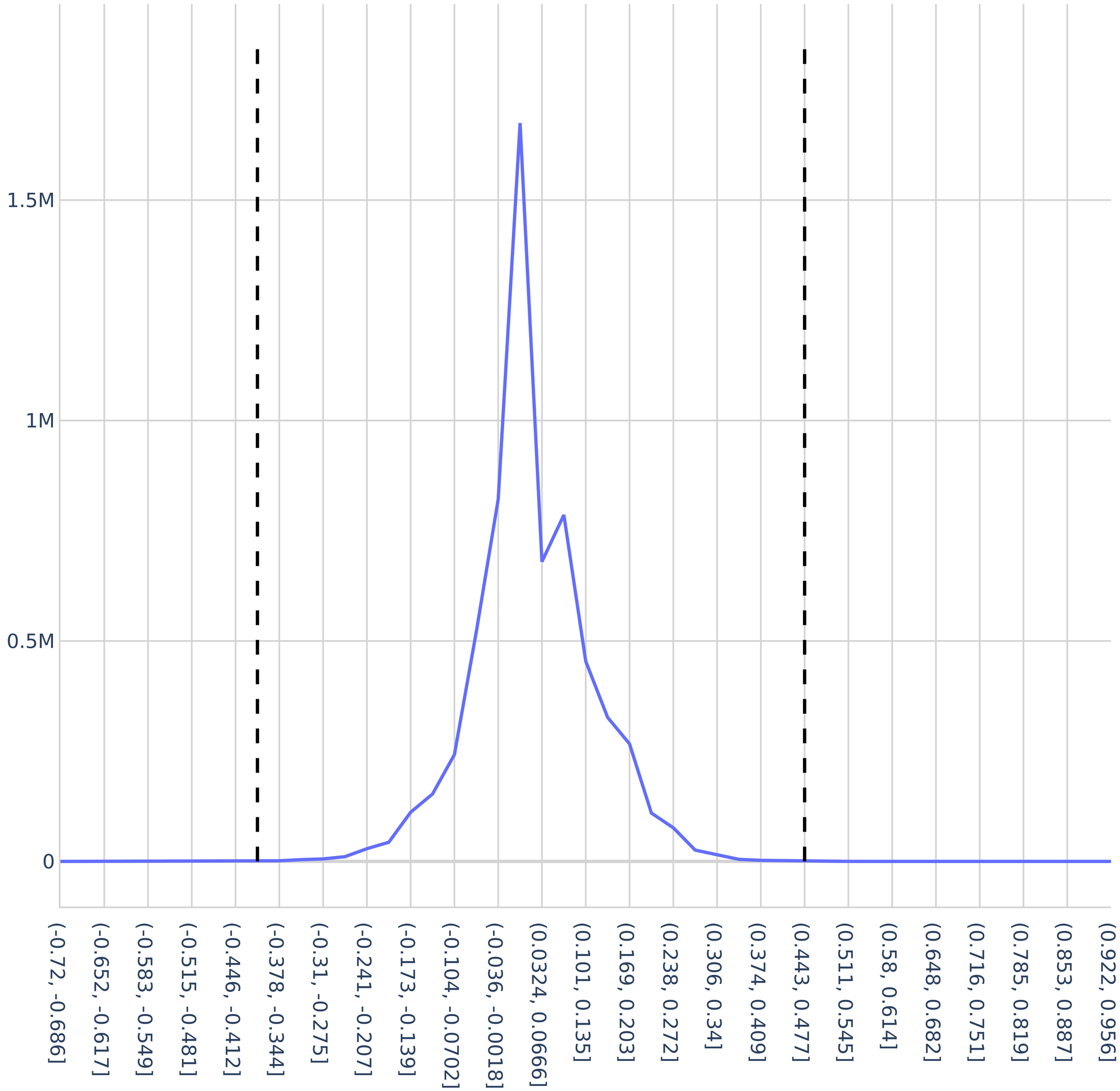
MDS pdclust_clusters
A
B
C
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
Dimension 2
−0.2
−0.1
0
0.1
0.2
Dimension 1


MDS average_meth
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
Dimension 2
−0.2
−0.1
0
0.1
0.2
Dimension 1
0.56
0.54
0.52
0.5
0.48
0.46
0.44

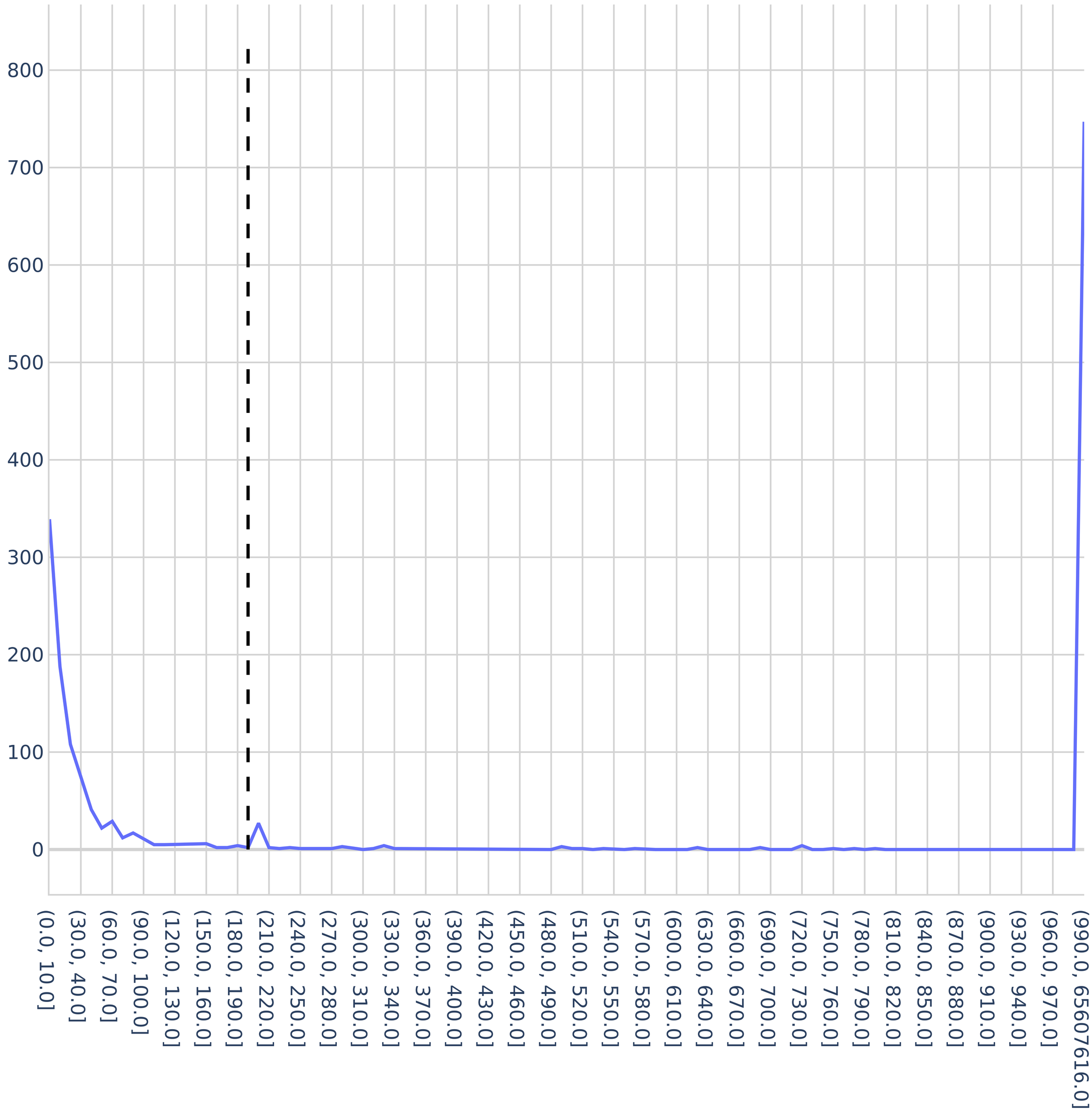
PCA pdclust_clusters
A
B
C
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
PCA2 (0.09)
−0.1
0
0.1
0.2
0.3
PCA1 (0.09)

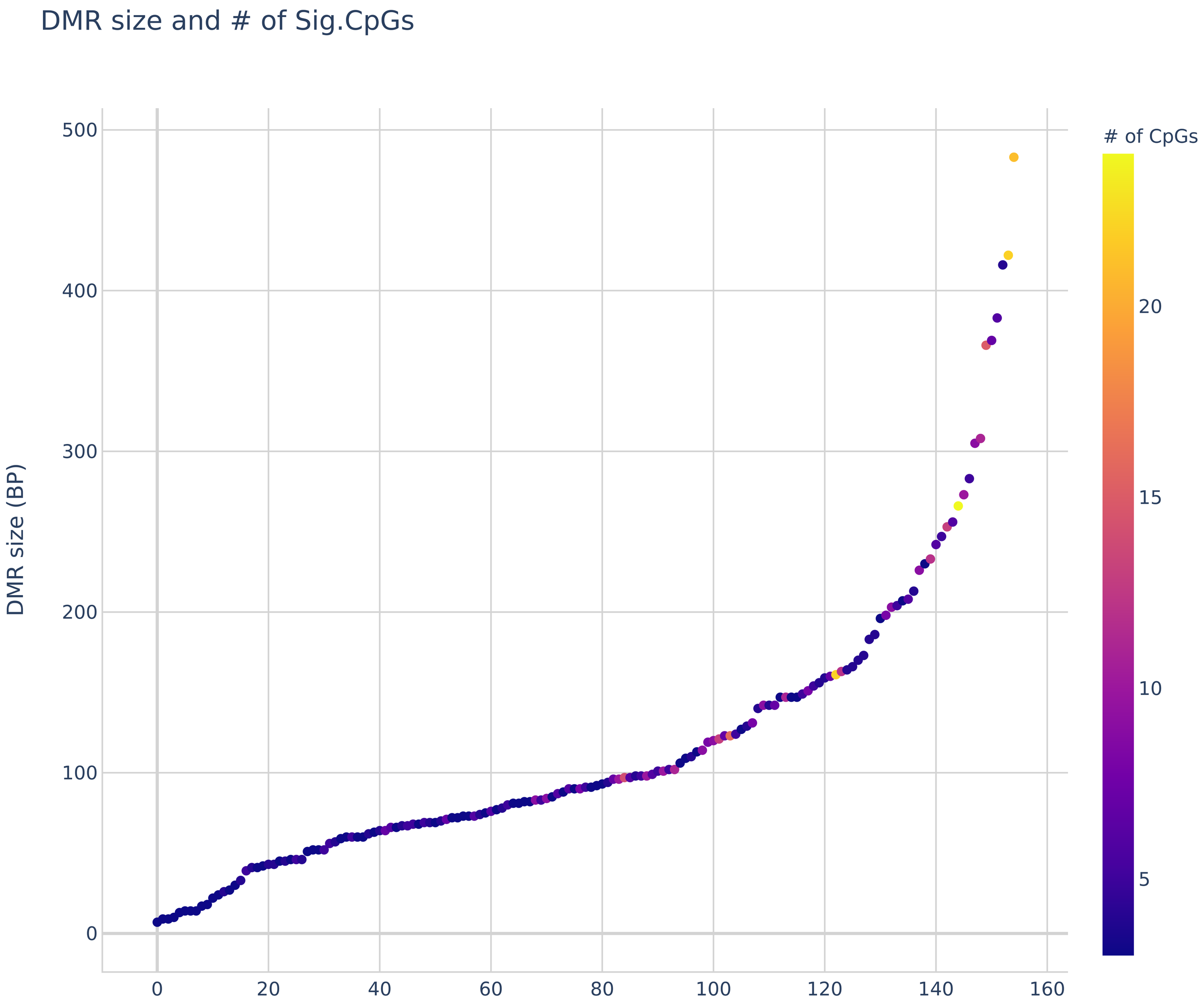

PCA average_meth
PCA2 (0.09)
PCA1 (0.09)
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.1
0
0.1
0.2
0.3
0.56
0.54
0.52
0.5
0.48
0.46
0.44

CpG Methylation difference distrbution
Hyper:687;Hypo:1014;Within boundaries:6366507



Significant CpG distances




DMR size and # of Sig.CpGs
DMR size (BP)
500
400
300
200
100
0
0
20
40
60
80
100
120
140
160
# of CpGs
20
15
10
5