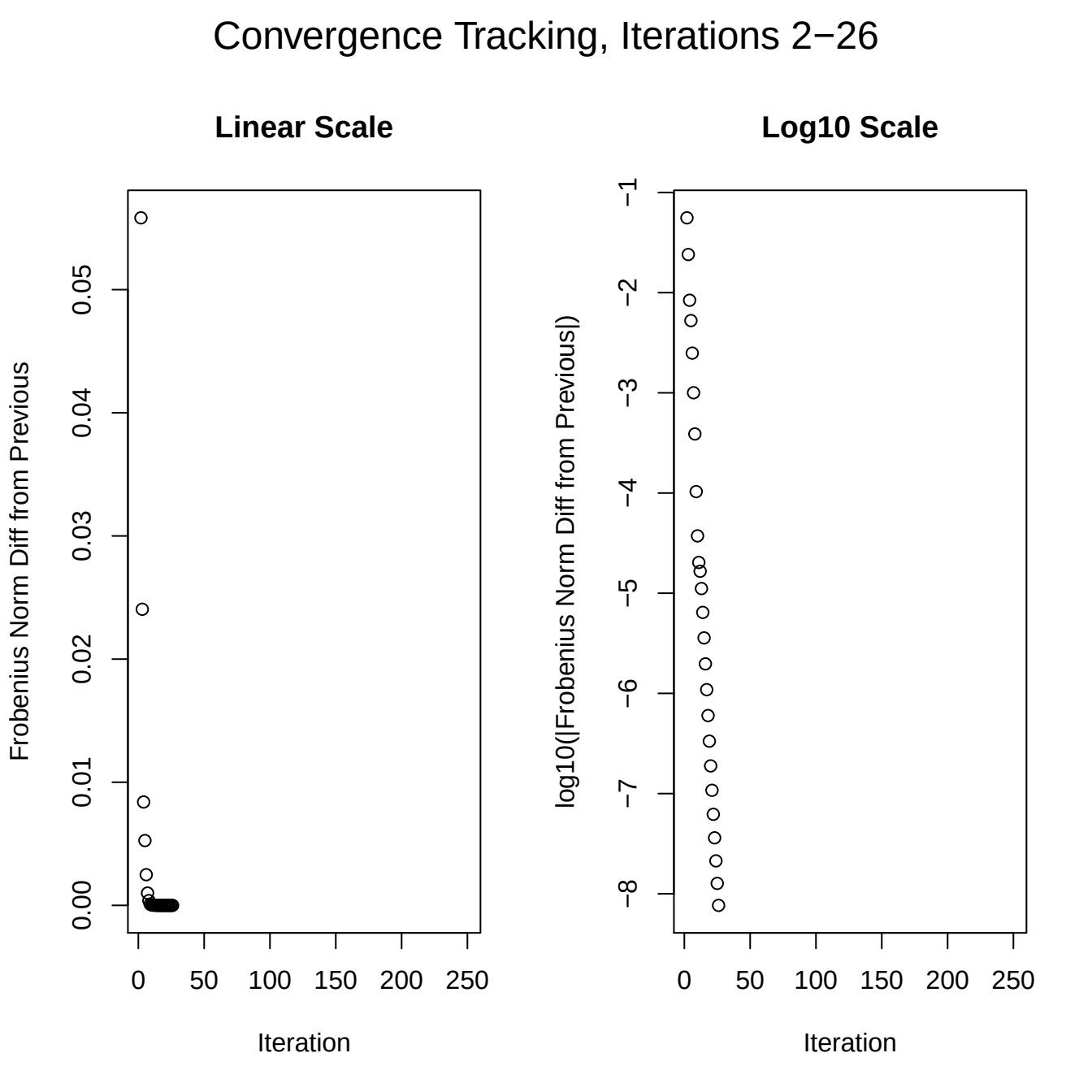
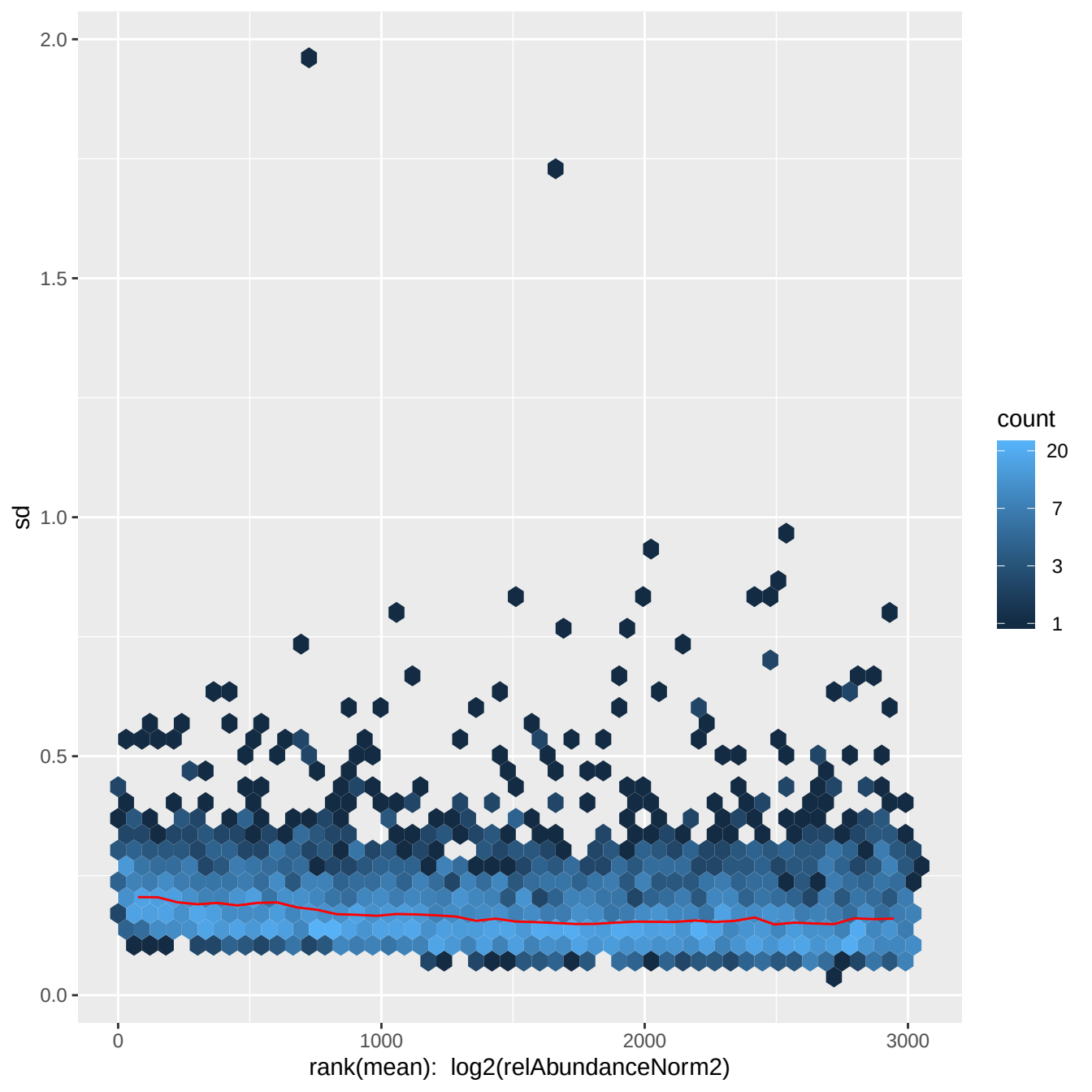
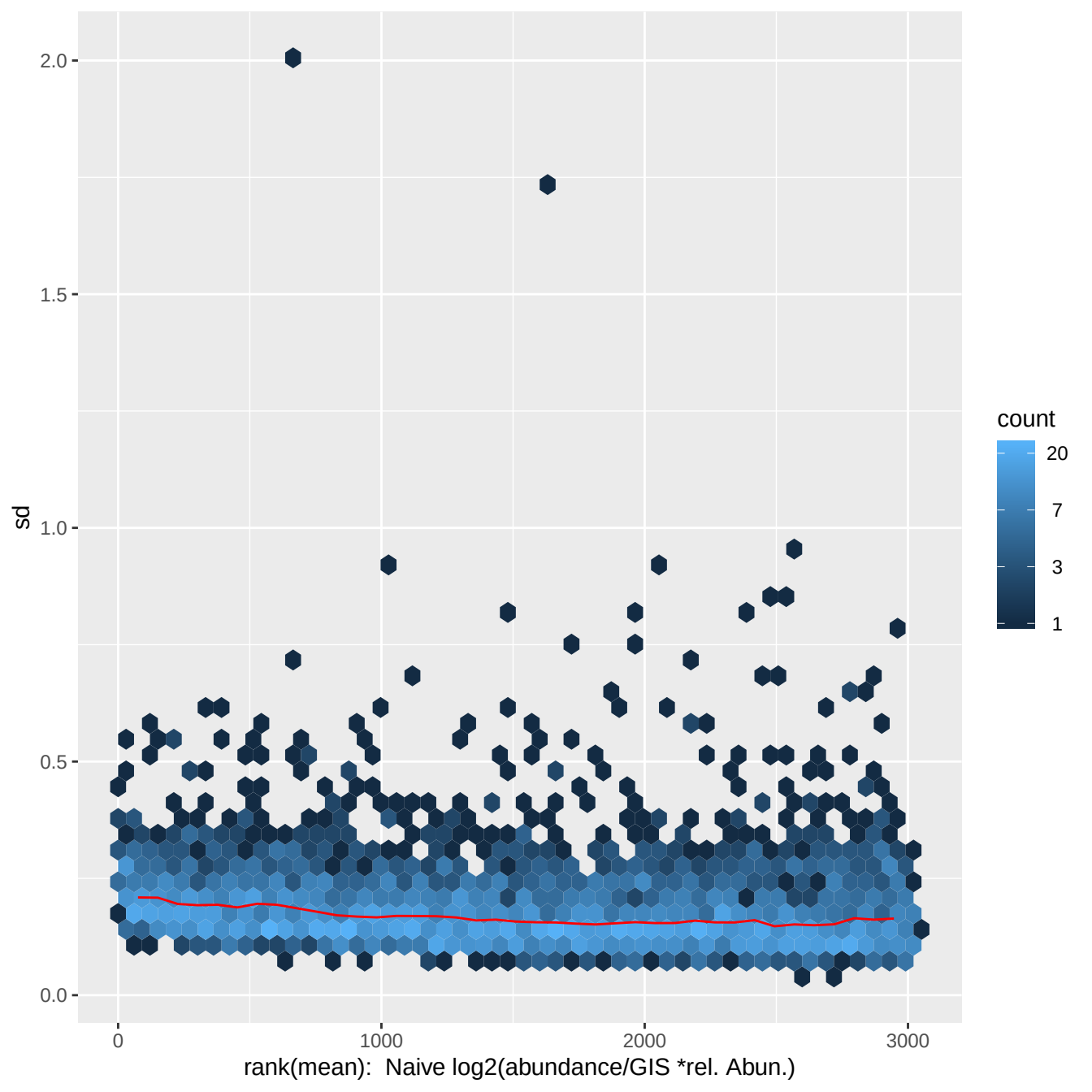
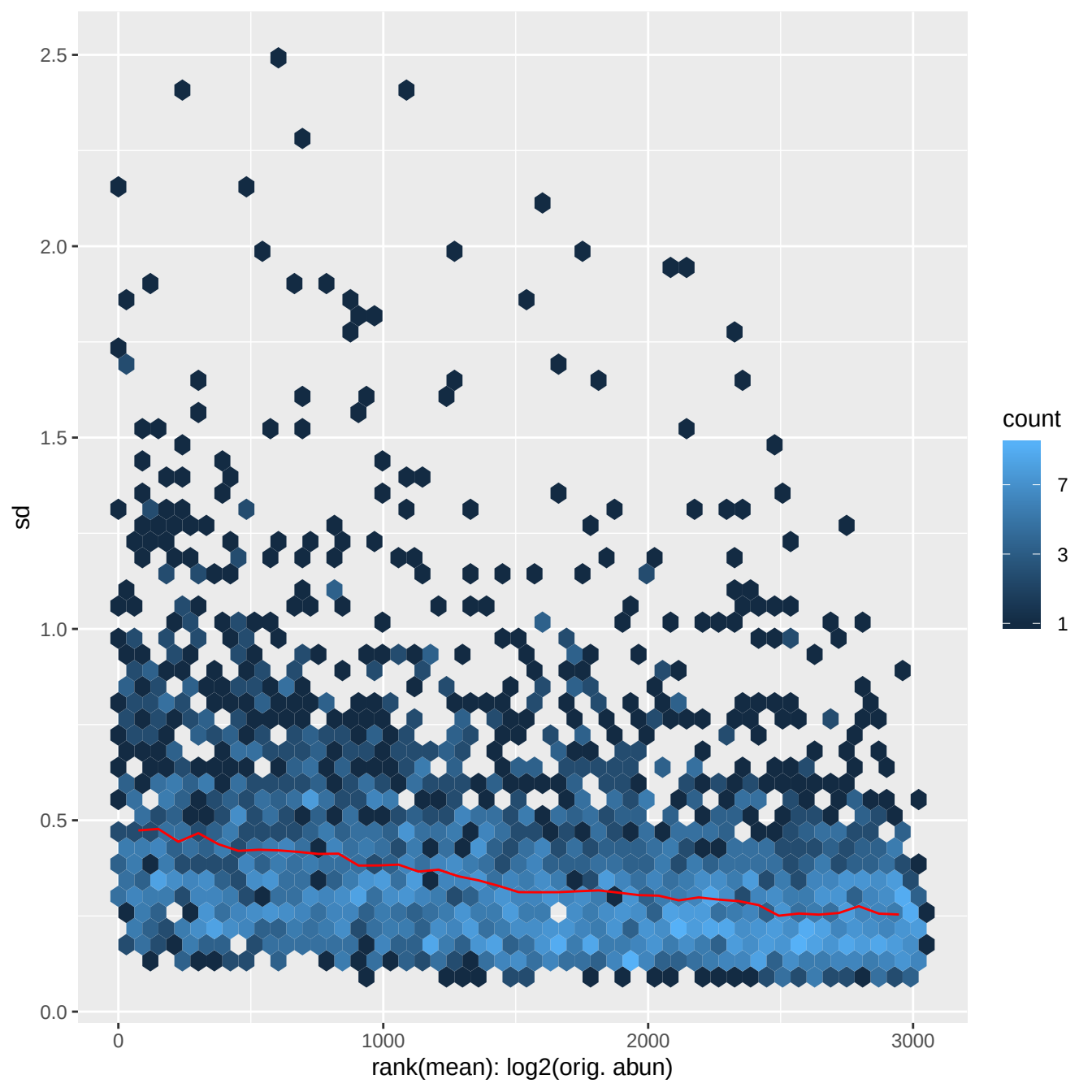
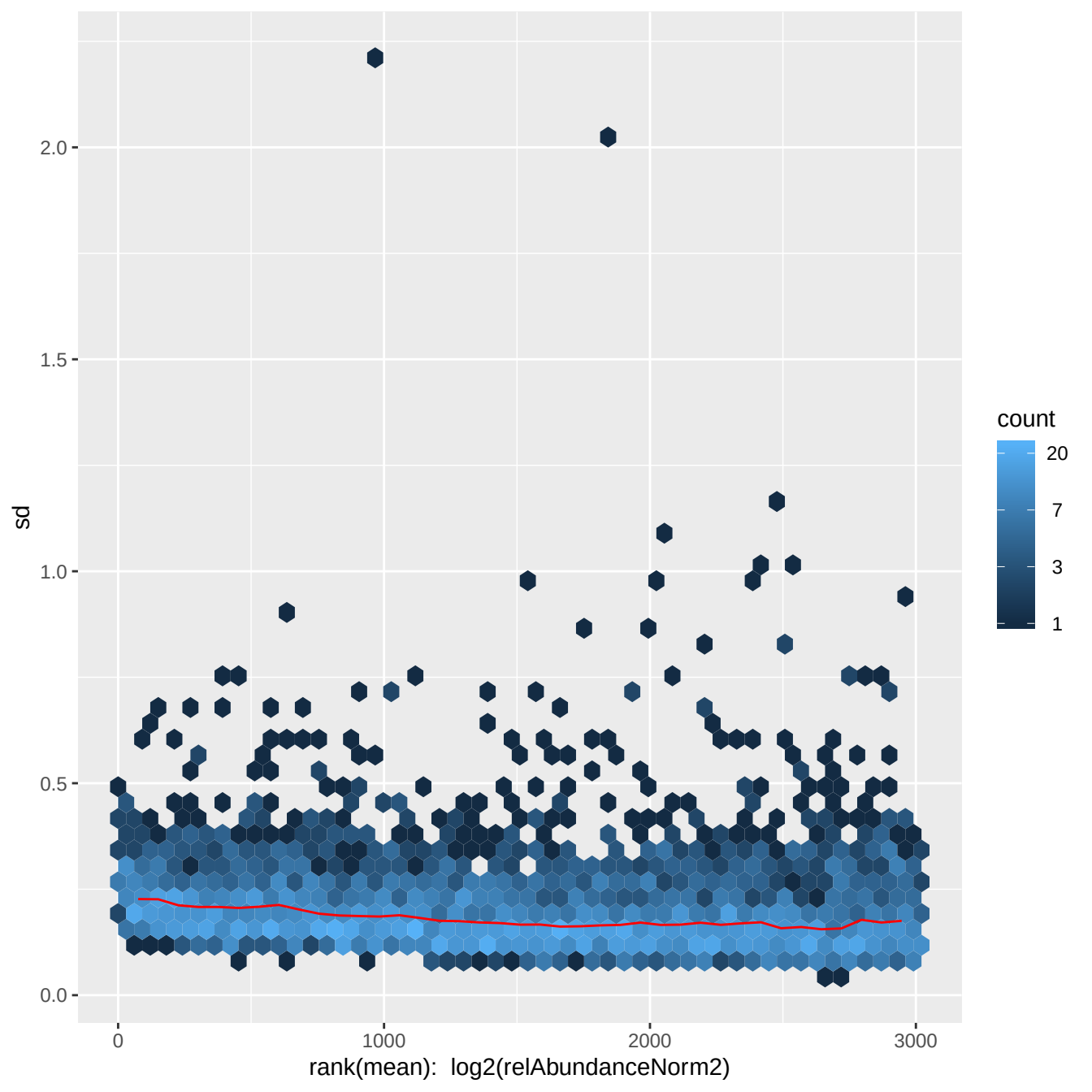
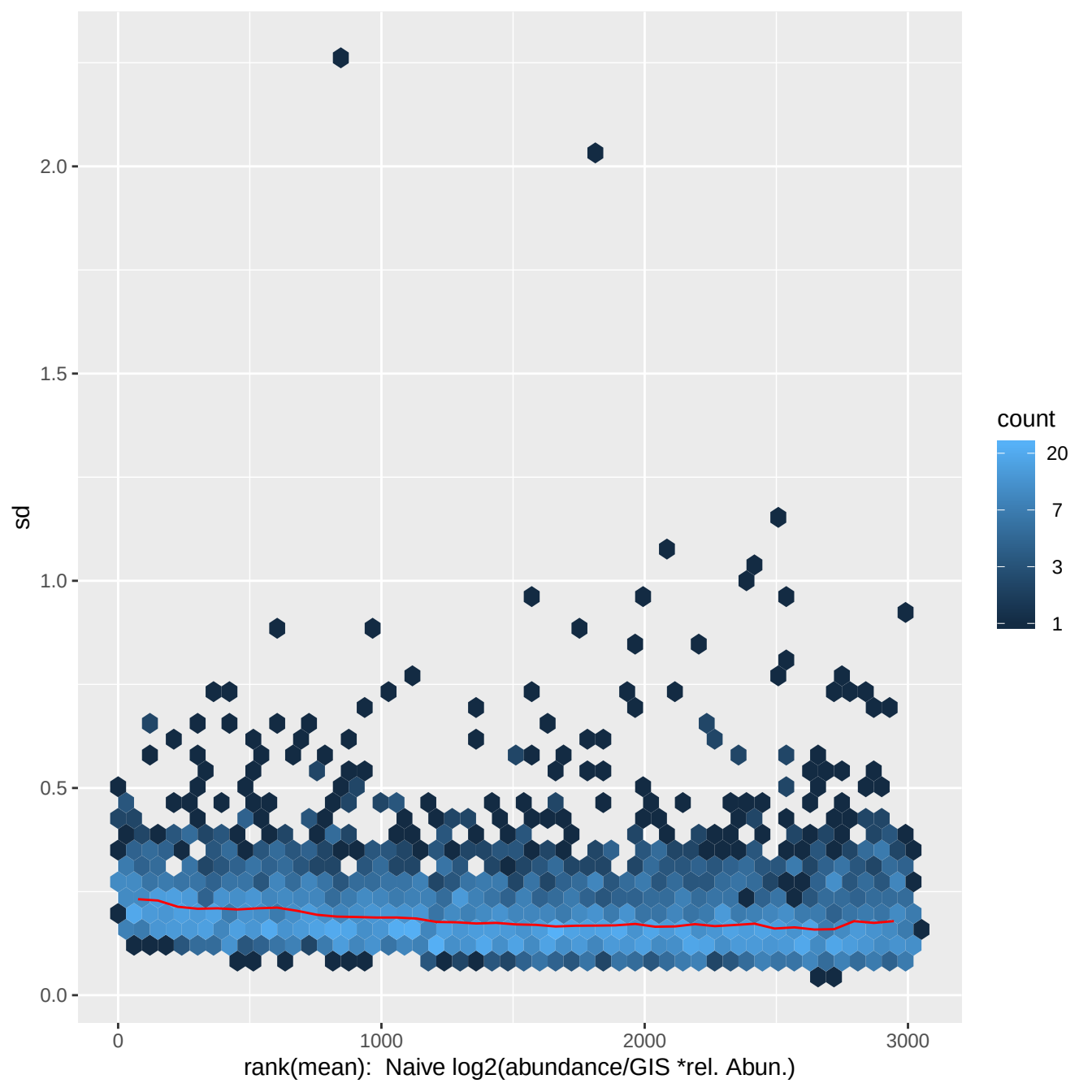

Convergence Tracking, Iterations 2−26
Linear Scale
Frobenius Norm Diff from Previous
0.00
0.01
0.02
0.03
0.04
0.05
0
50
100
150
200
250
Iteration
Log10 Scale
log10(|Frobenius Norm Diff from Previous|)
−1
−2
−3
−4
−5
−6
−7
−8
0
50
100
150
200
250
Iteration

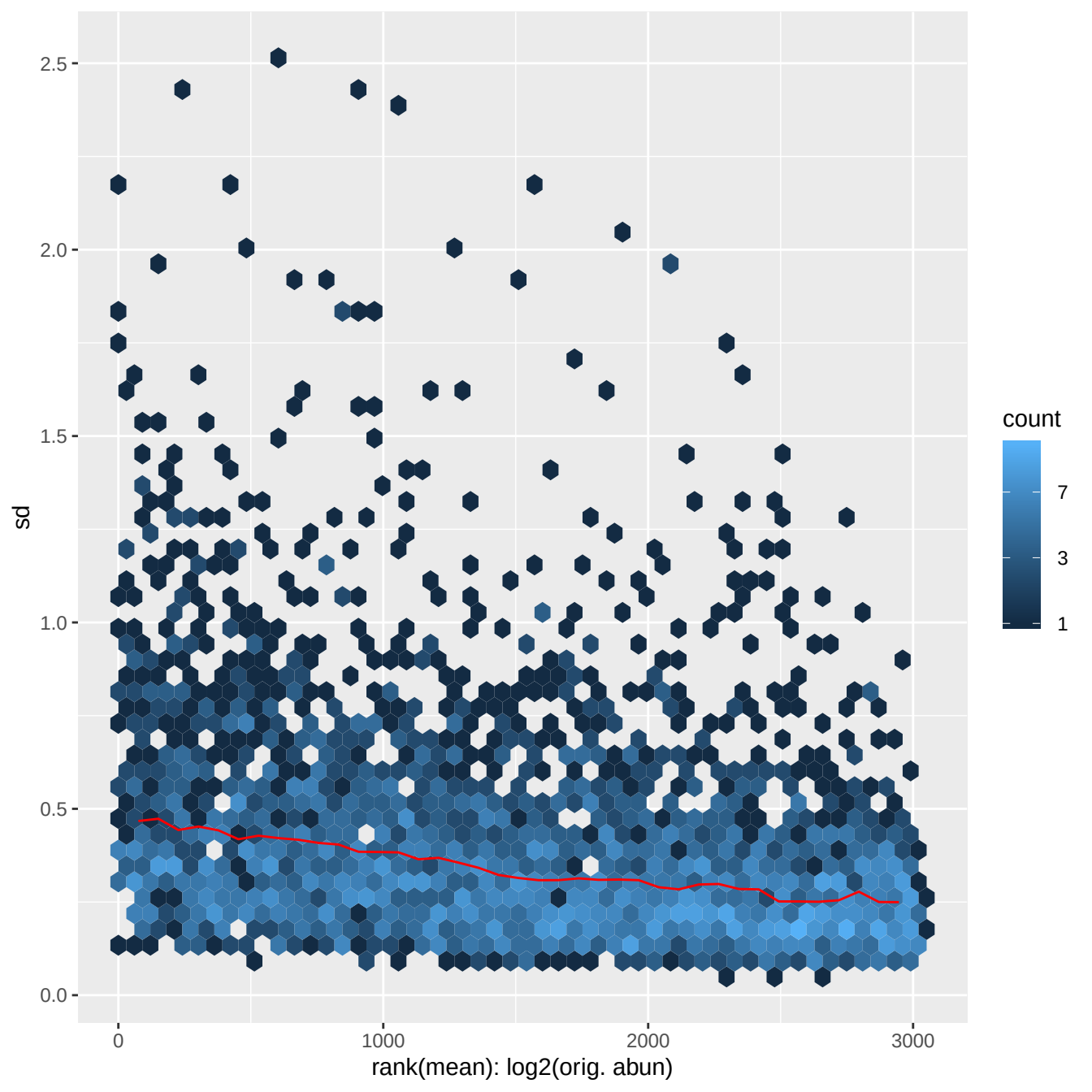

2.0
1.5
1.0
0.5
0.0
sd
0
1000
2000
3000
rank(mean): log2(relAbundanceNorm2)
count
20
7
3
1

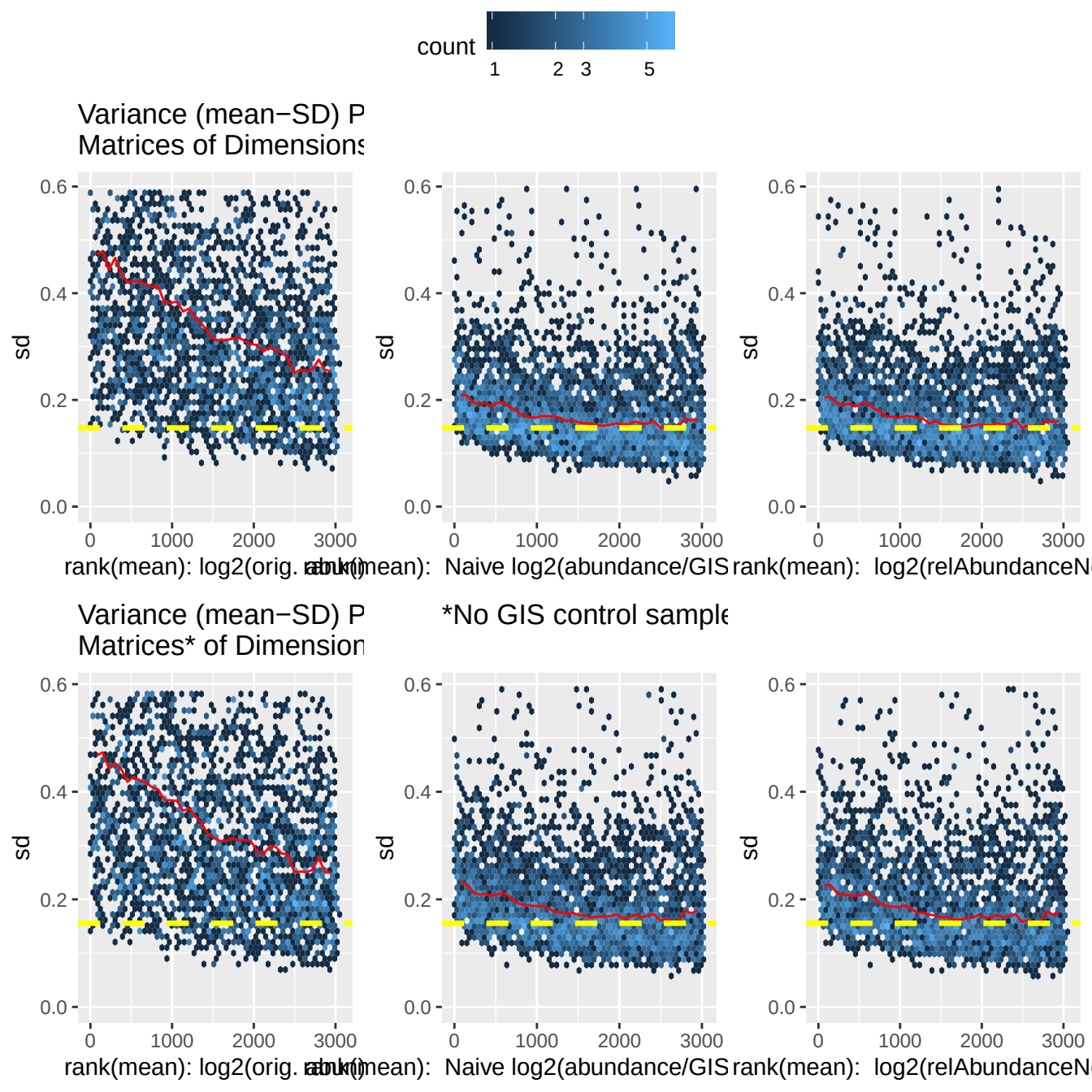

2.0
1.5
1.0
0.5
0.0
sd
0
1000
2000
3000
rank(mean): Naive log2(abundance/GIS *rel. Abun.)
count
20
7
3
1

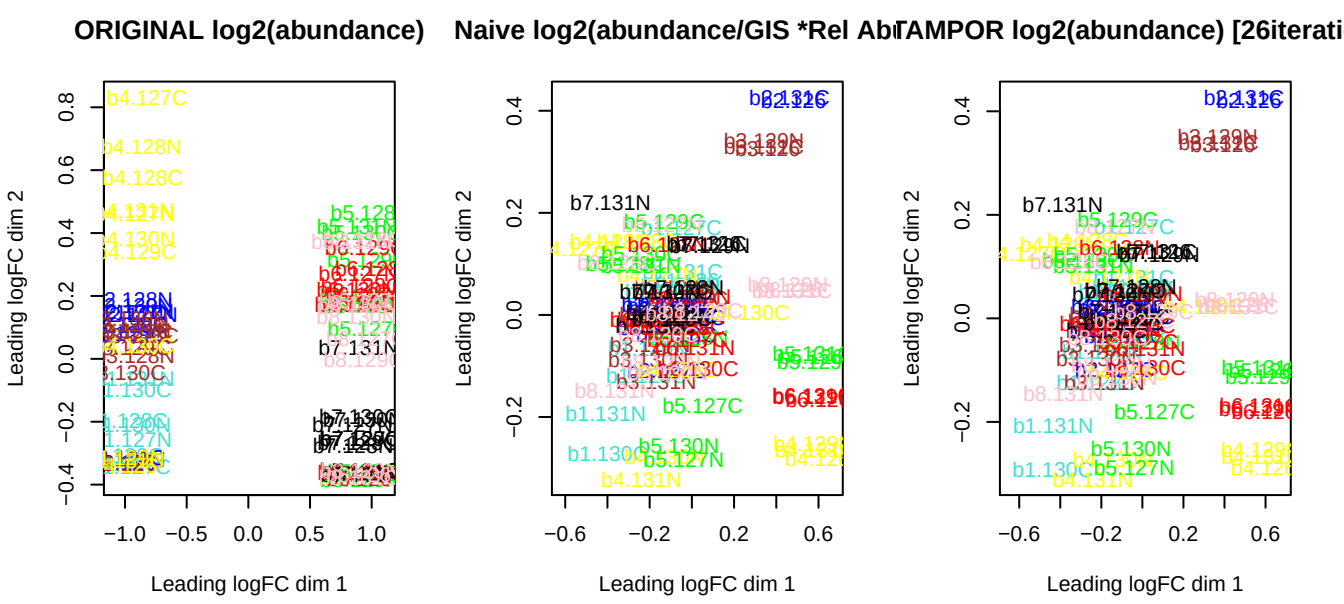

sd
2.5
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
rank(mean): log2(orig. abun)
count
7
3
1

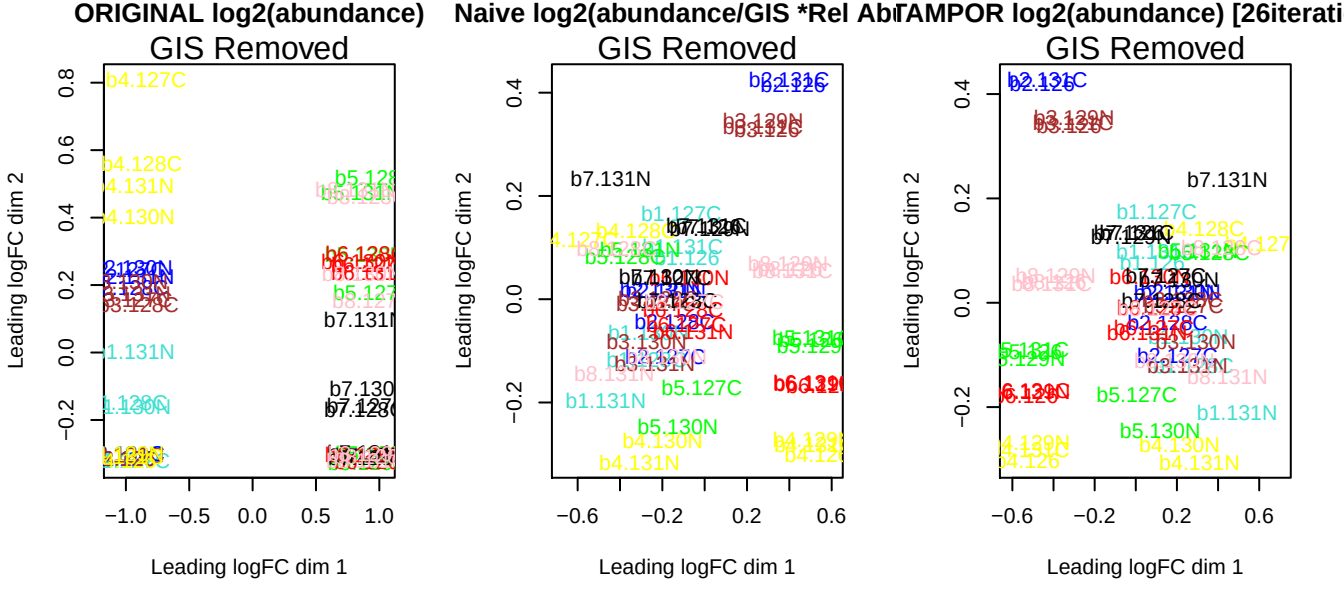

sd
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
rank(mean): log2(relAbundanceNorm2)
count
20
7
3
1


sd
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
rank(mean): Naive log2(abundance/GIS *rel. Abun.)
count
20
7
3
1


sd
2.5
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
rank(mean): log2(orig. abun)
count
7
3
1


count
1
2
3
5
Variance (mean−SD) P
Matrices of Dimensions
sd
0.6
0.4
0.2
0.0
0
1000
2000
3000
rank(mean): log2(orig. abund)
rank(mean): Naive log2(abundance/GIS
rank(mean): log2(relAbundanceN
Variance (mean−SD) P
Matrices* of Dimension
*No GIS control sample
rank(mean): log2(orig. abund)
rank(mean): Naive log2(abundance/GIS
rank(mean): log2(relAbundanceN


ORIGINAL log2(abundance)
Naive log2(abundance/GIS *Rel Ab
TAMPOR log2(abundance) [26iterati
Leading logFC dim 2
Leading logFC dim 1
b7.131N
b5.127C
b5.130N
b1.131N
b4.131N


ORIGINAL log2(abundance)
Naive log2(abundance/GIS *Rel Ab
TAMPOR log2(abundance) [26iterati
GIS Removed
GIS Removed
GIS Removed
Leading logFC dim 2
Leading logFC dim 1
b7.131N
b5.127C
b5.130N
b1.131N
b4.131N