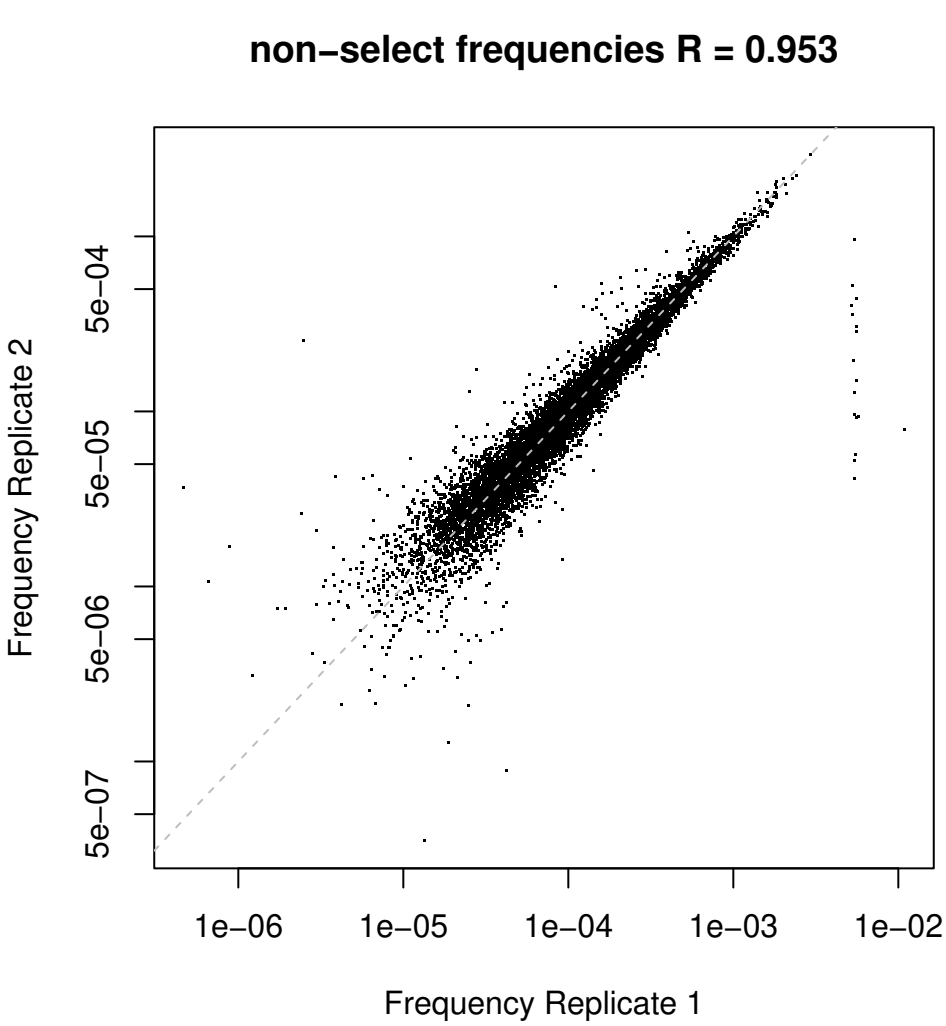
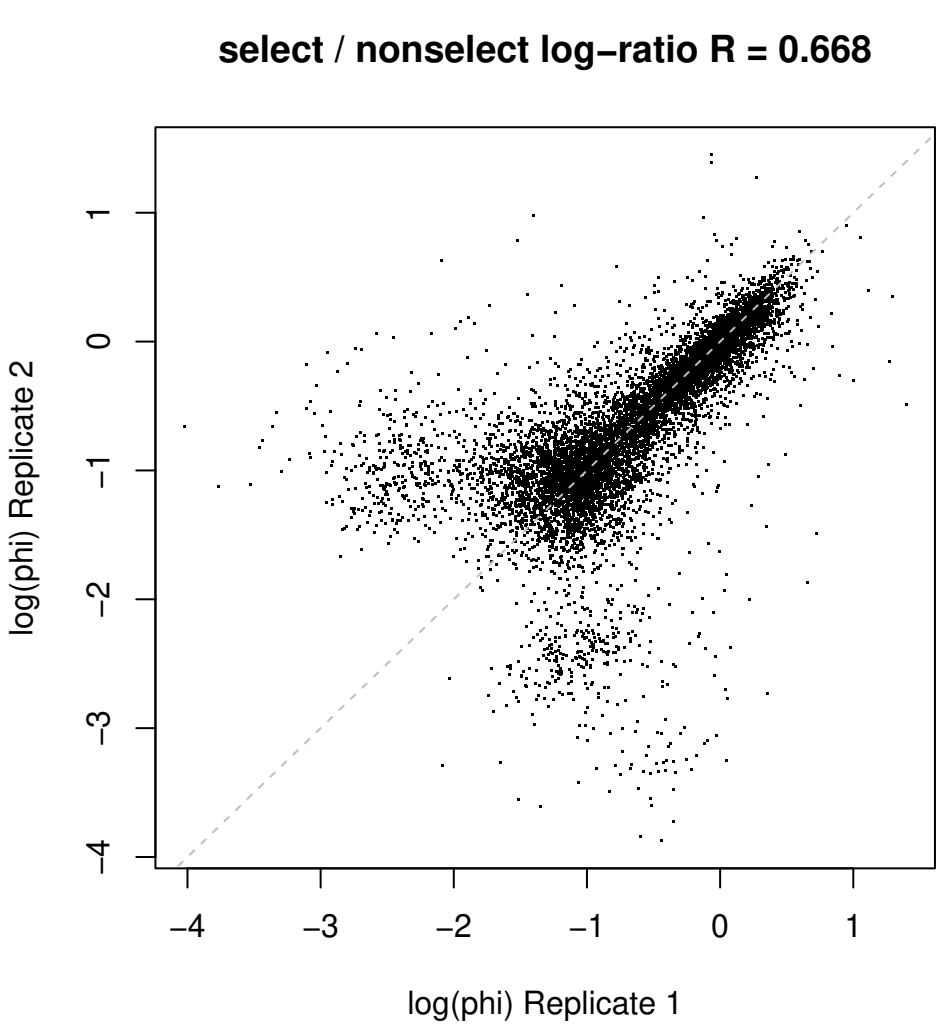
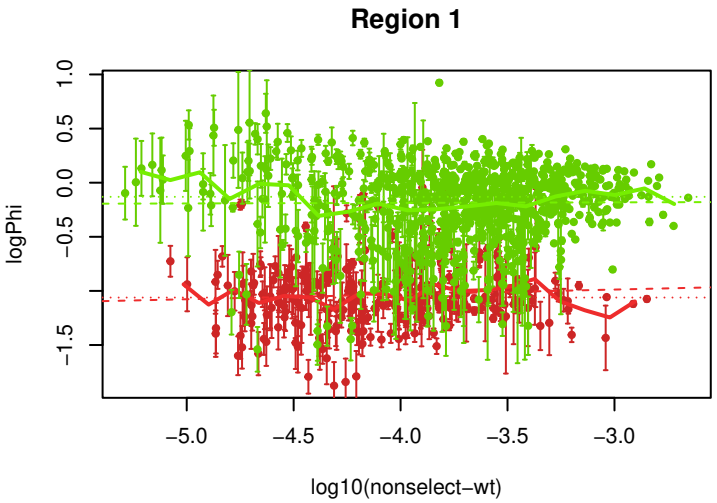
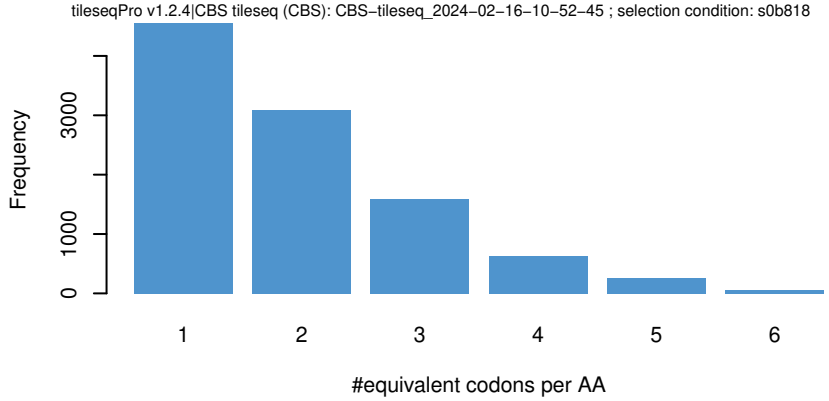
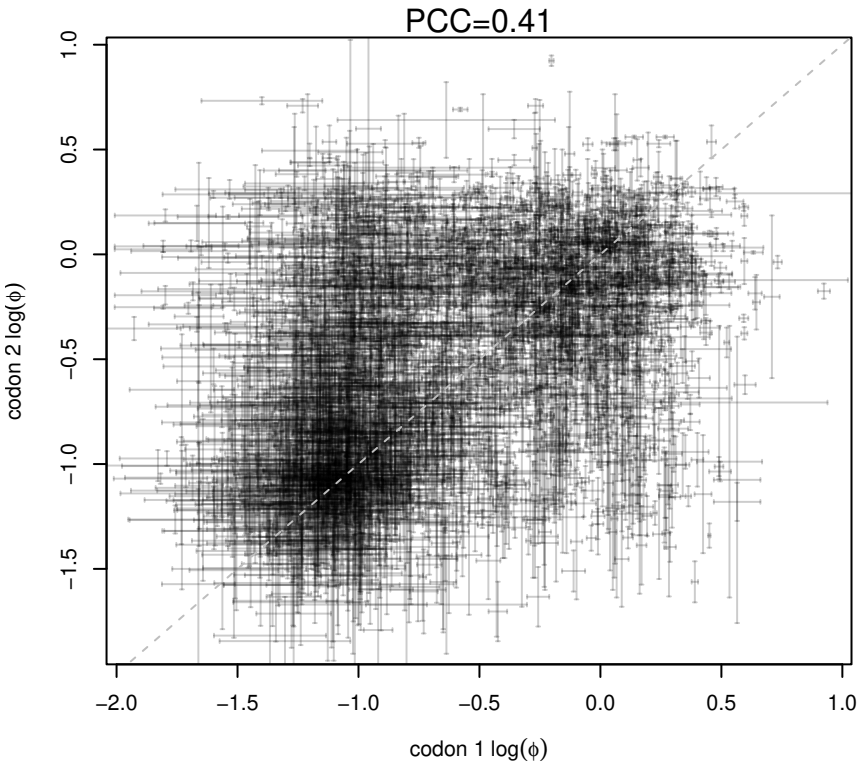
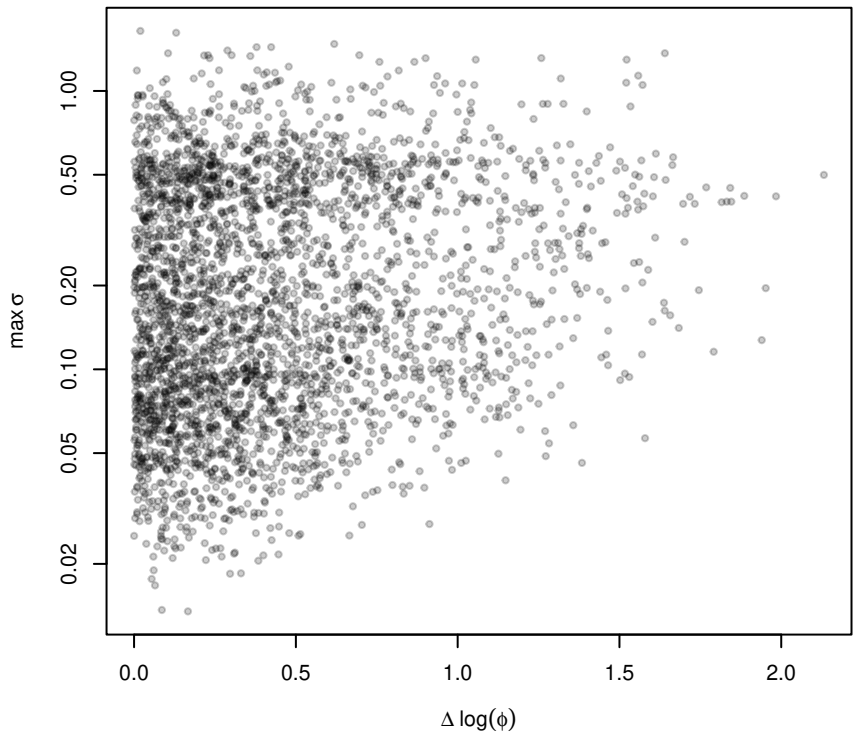

non−select frequencies R = 0.953
Frequency Replicate 2
5e−04
5e−05
5e−06
5e−07
1e−06
1e−05
1e−04
1e−03
1e−02
Frequency Replicate 1


select / nonselect log−ratio R = 0.668
log(phi) Replicate 2
1
0
−1
−2
−3
−4
−4
−3
−2
−1
0
1
log(phi) Replicate 1

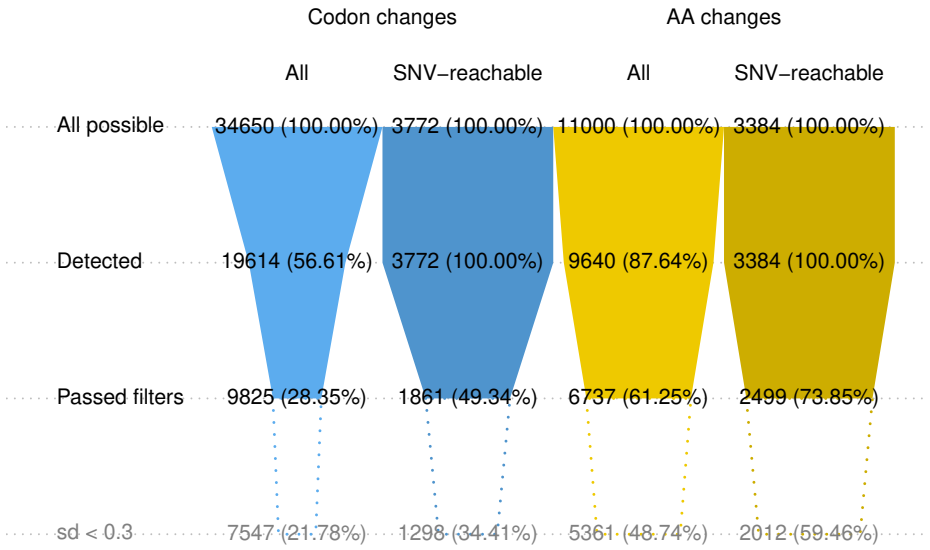

Region 1
logPhi
1.0
0.5
0.0
−0.5
−1.5
−5.0
−4.5
−4.0
−3.5
−3.0
log10(nonselect−wt)


Frequency
0
1000
3000
1
2
3
4
5
6
#equivalent codons per AA

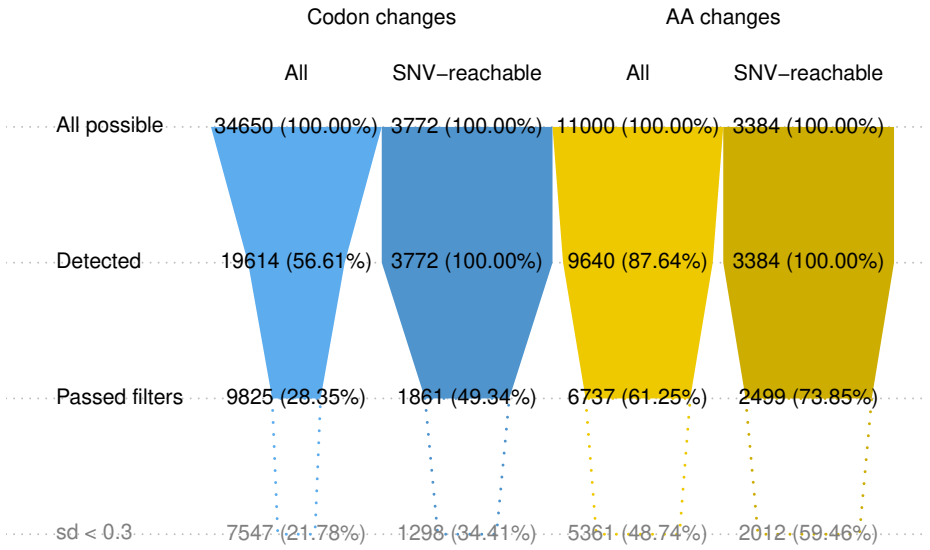

PCC=0.41
codon 2 log(ϕ)
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
codon 1 log(ϕ)

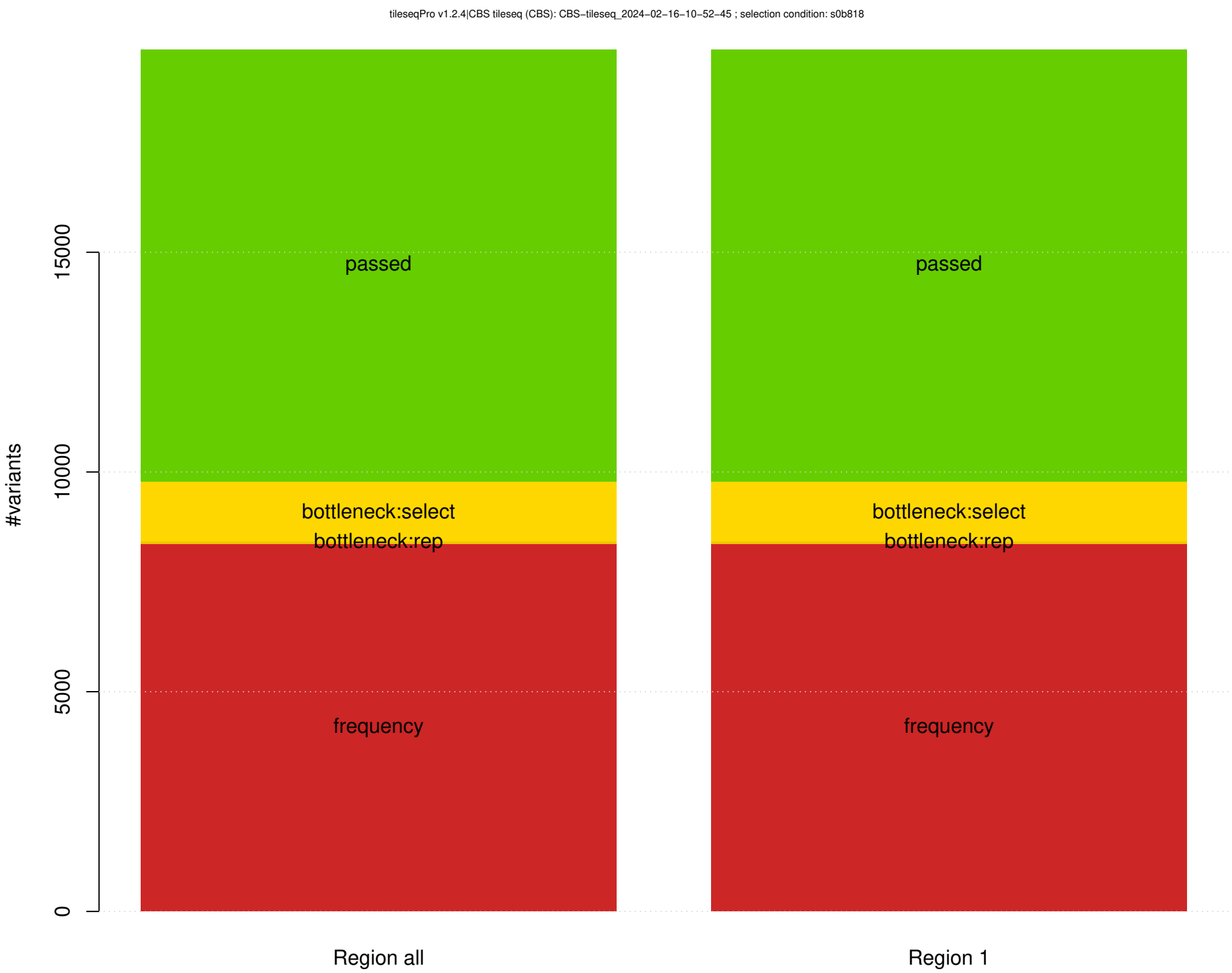

max σ
1.00
0.50
0.20
0.10
0.05
0.02
0.0
0.5
1.0
1.5
2.0
Δ log(ϕ)

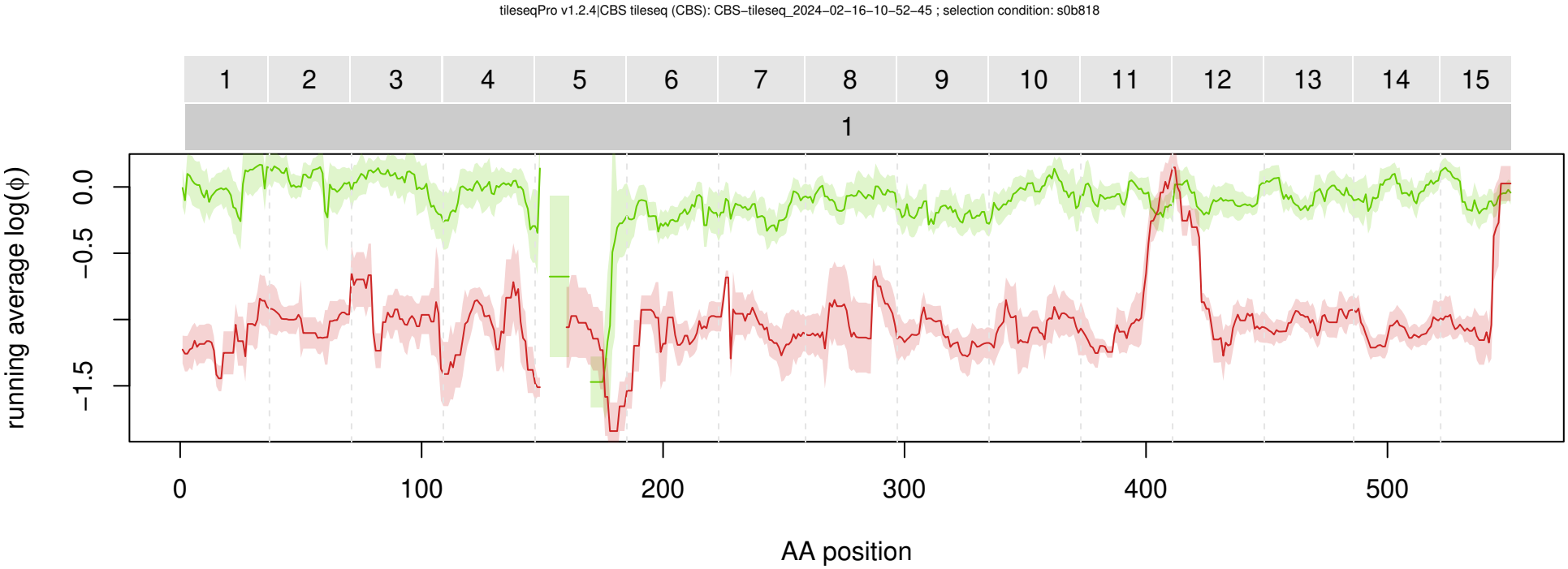
Entire Construct

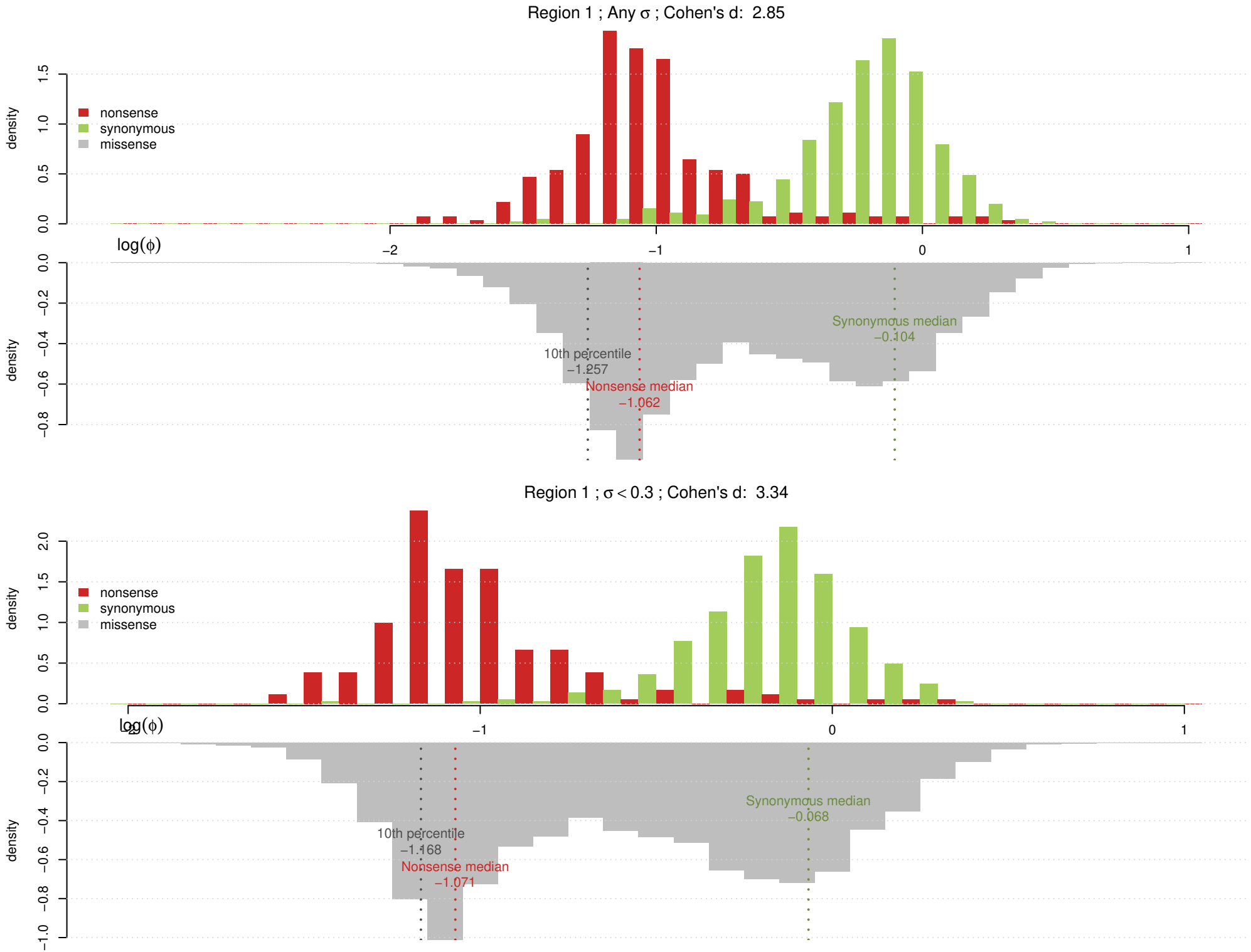


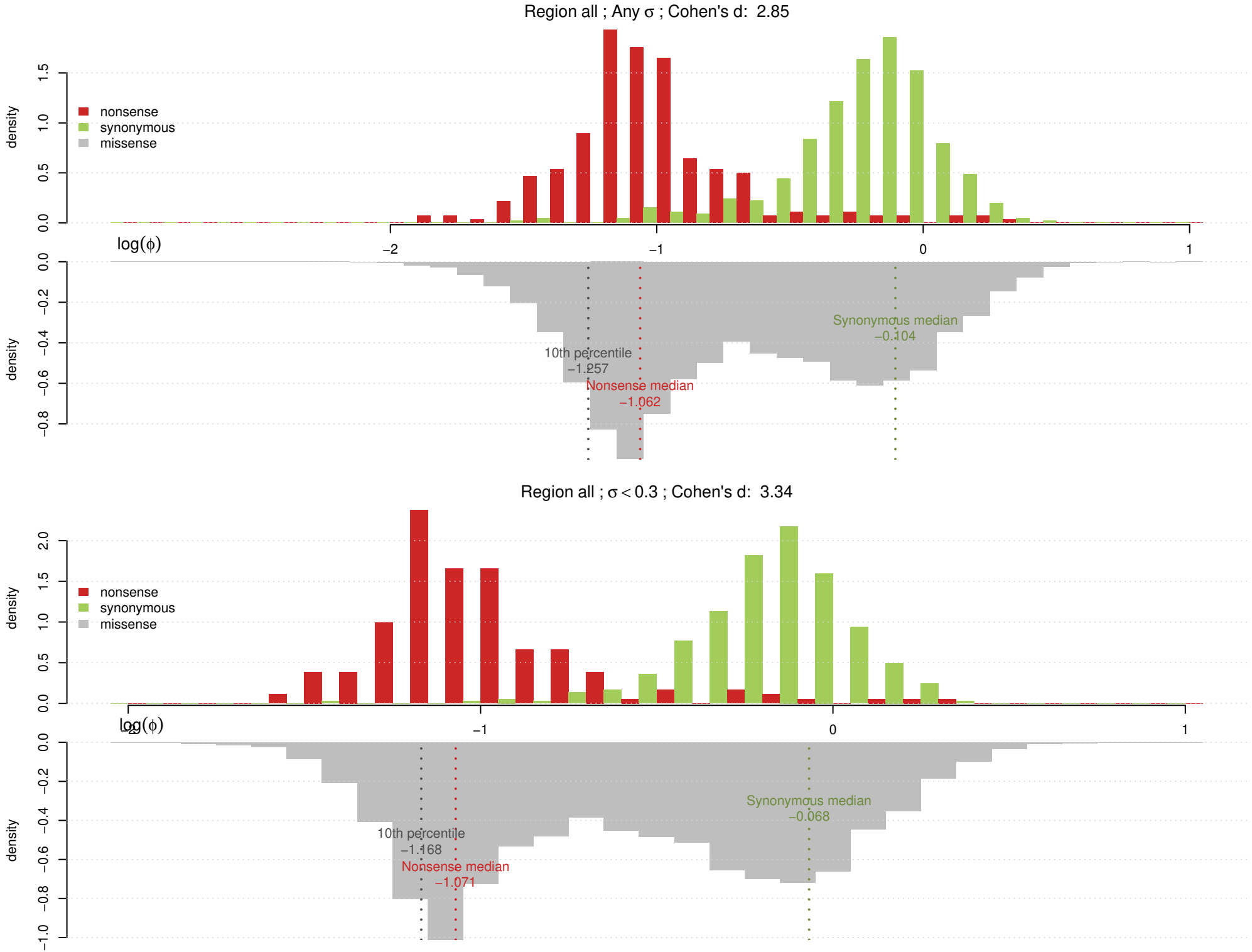
Region #1

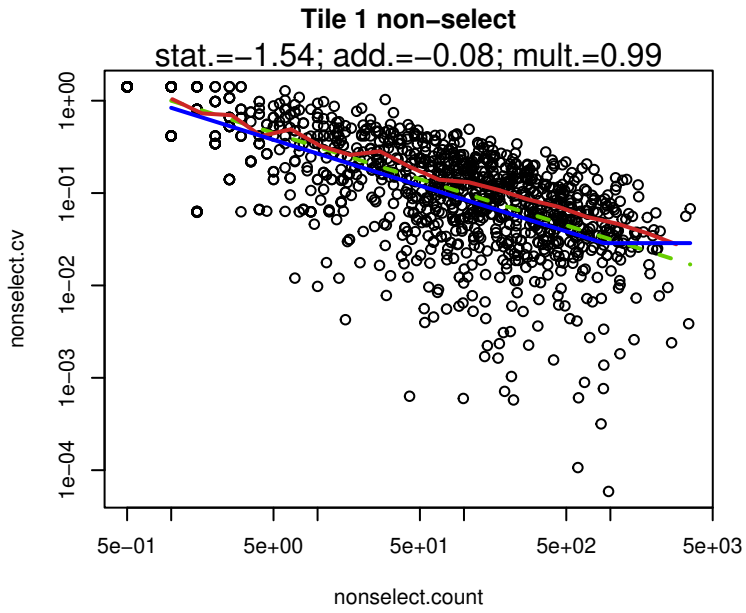


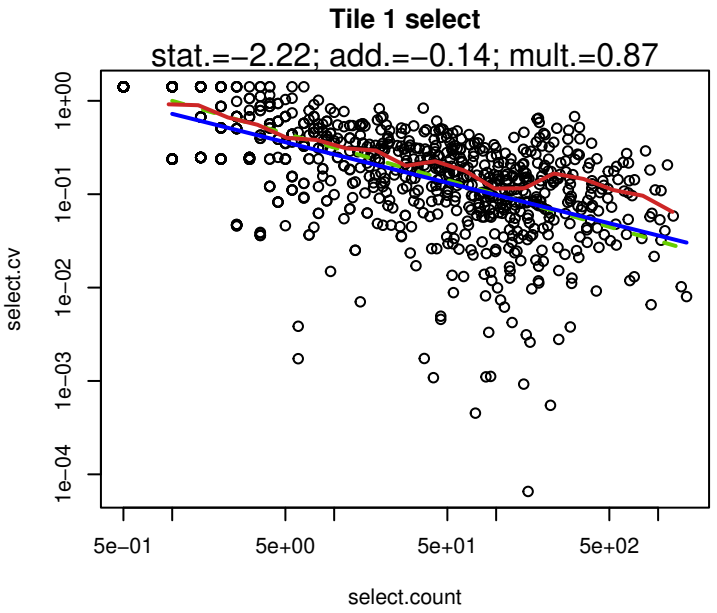

tileseqPro v1.2.4|CBS tileseq (CBS): CBS−tileseq_2024−02−16−10−52−45 ; selection condition: s0b818
#variants
0
5000
10000
15000
passed
bottleneck:select
bottleneck:rep
frequency
passed
bottleneck:select
bottleneck:rep
frequency
Region all
Region 1

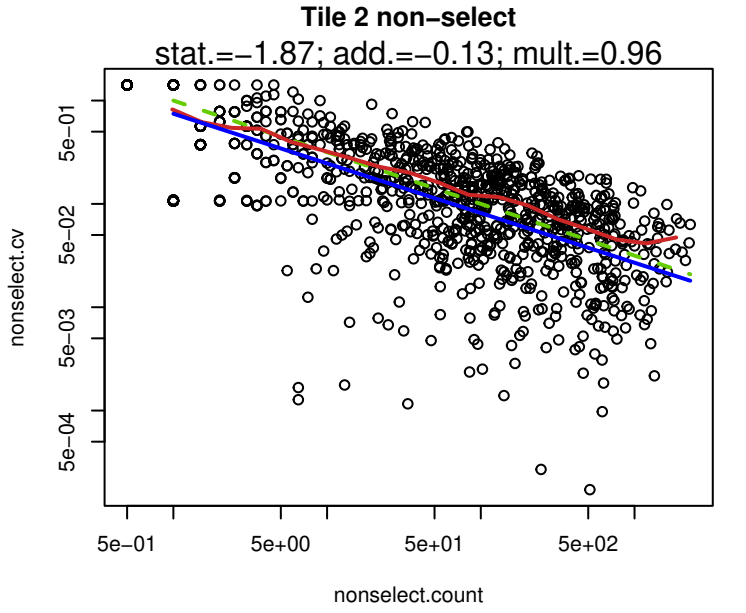

tileseqPro v1.2.4|CBS tileseq (CBS): CBS−tileseq_2024−02−16−10−52−45 ; selection condition: s0b818
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
1
running average log(ϕ)
0.0
−0.5
−1.5
0
100
200
300
400
500
AA position

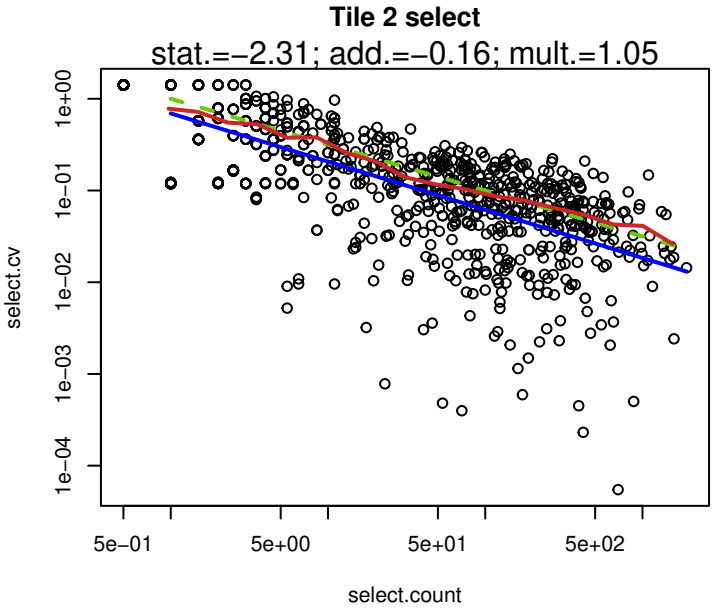

Region 1 ; Any σ ; Cohen's d: 2.85
density
nonsense
synonymous
missense
log(ϕ)
10th percentile
−1.257
Nonsense median
−1.062
Synonymous median
−0.104
Region 1 ; σ < 0.3 ; Cohen's d: 3.34
density
nonsense
synonymous
missense
log(ϕ)
10th percentile
−1.168
Nonsense median
−1.071
Synonymous median
−0.068

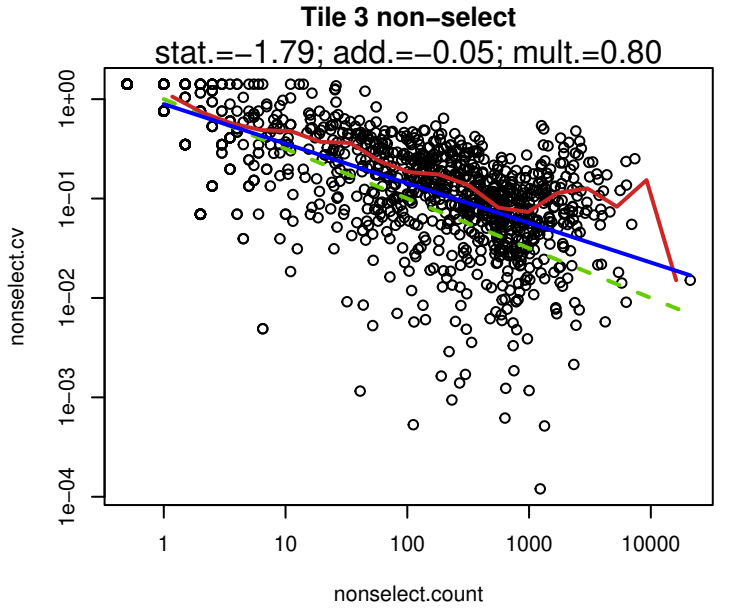

Region all ; Any σ ; Cohen's d: 2.85
density
nonsense
synonymous
missense
log(ϕ)
10th percentile
−1.257
Nonsense median
−1.062
Synonymous median
−0.104
Region all ; σ < 0.3 ; Cohen's d: 3.34
density
nonsense
synonymous
missense
log(ϕ)
10th percentile
−1.168
Nonsense median
−1.071
Synonymous median
−0.068

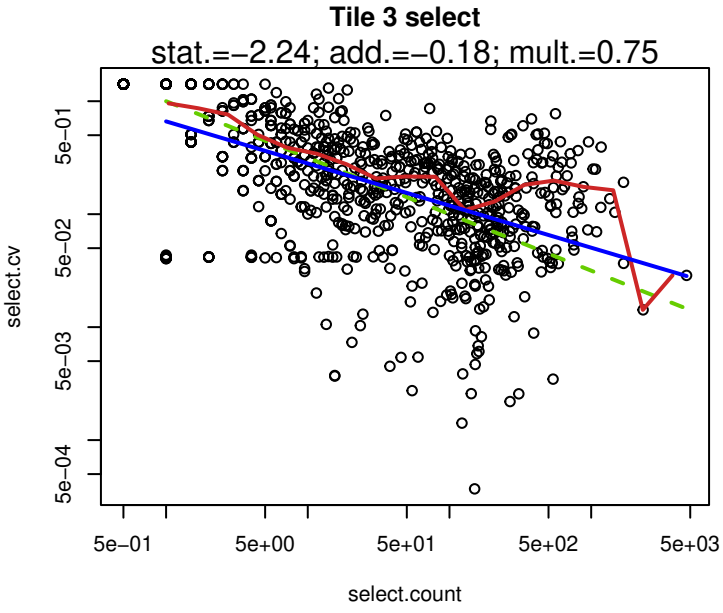

Tile 1 non−select
stat.=−1.54; add.=−0.08; mult.=0.99
nonselect.cv
nonselect.count
1e+00
1e−01
1e−02
1e−03
1e−04
5e−01
5e+00
5e+01
5e+02
5e+03


Tile 1 select
stat.=−2.22; add.=−0.14; mult.=0.87
select.cv
select.count
1e+00
1e−01
1e−02
1e−03
1e−04
5e−01
5e+00
5e+01
5e+02


Tile 2 non−select
stat.=−1.87; add.=−0.13; mult.=0.96
nonselect.cv
nonselect.count
5e−01
5e−02
5e−03
5e−04
5e−01
5e+00
5e+01
5e+02

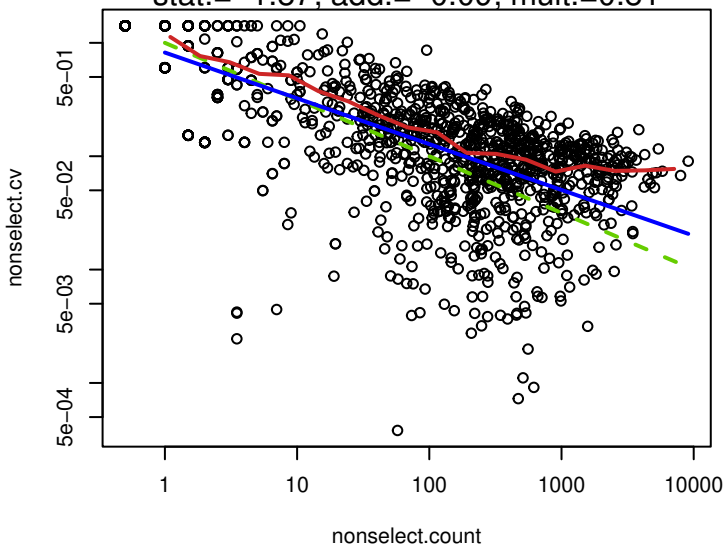

Tile 2 select
stat.=−2.31; add.=−0.16; mult.=1.05
select.cv
select.count
1e+00
1e−01
1e−02
1e−03
1e−04
5e−01
5e+00
5e+01
5e+02


Tile 3 non−select
stat.=−1.79; add.=−0.05; mult.=0.80
nonselect.cv
nonselect.count
1e+00
1e−01
1e−02
1e−03
1e−04
1
10
100
1000
10000


Tile 3 select
stat.=−2.24; add.=−0.18; mult.=0.75
select.cv
select.count
5e−01
5e−02
5e−03
5e−04
5e−01
5e+00
5e+01
5e+02
5e+03

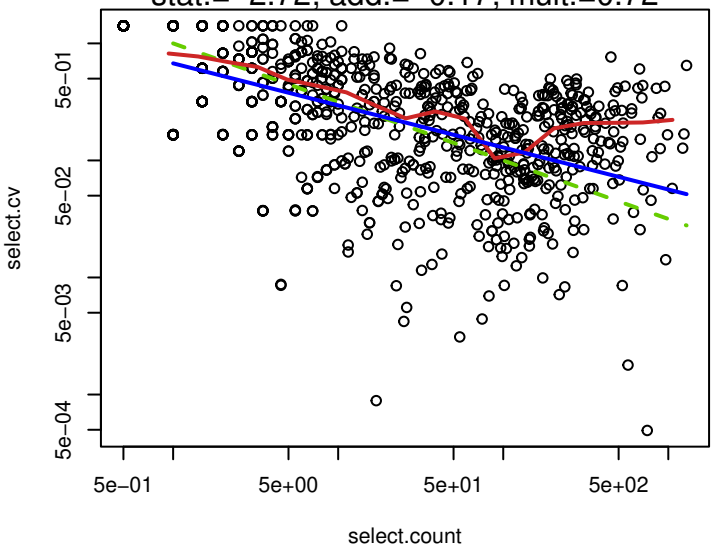
Tile 4 non−select

stat.=−1.87; add.=−0.09; mult.=0.81



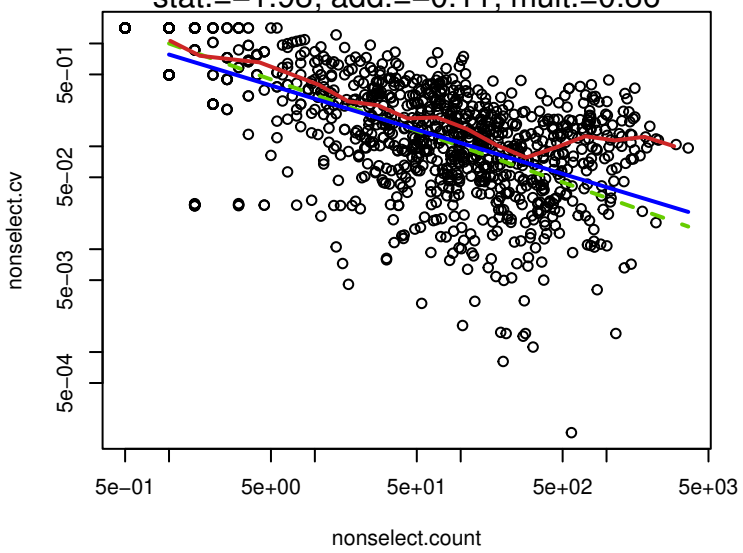
Tile 4 select

stat.=−2.72; add.=−0.17; mult.=0.72



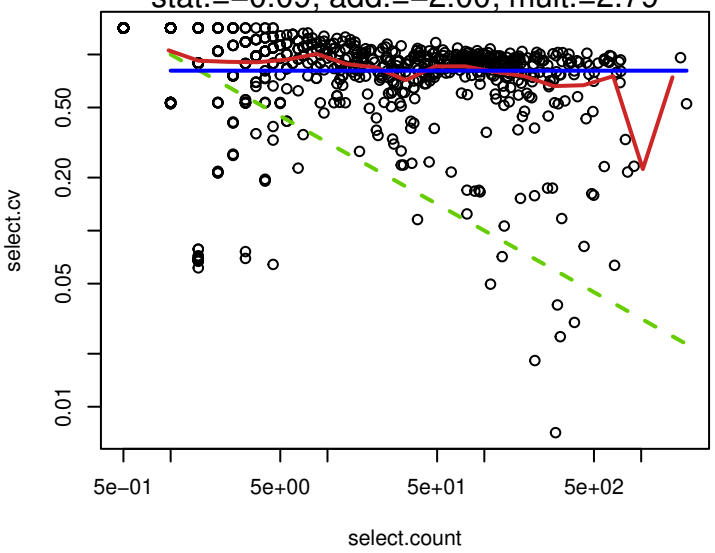
Tile 5 non−select

stat.=−1.98; add.=−0.11; mult.=0.86



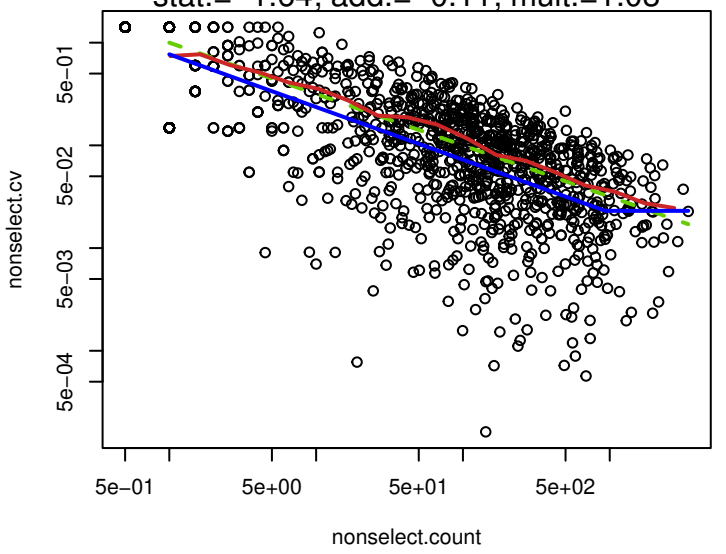
Tile 5 select

stat.=−0.09; add.=−2.00; mult.=2.79



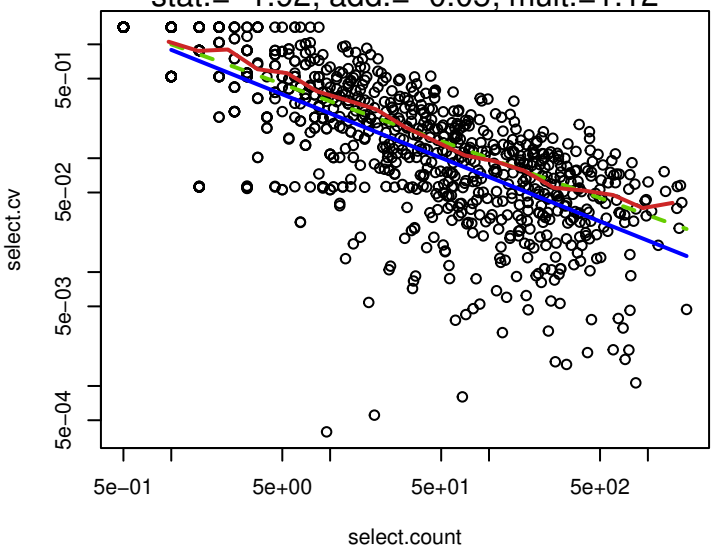
Tile 6 non−select

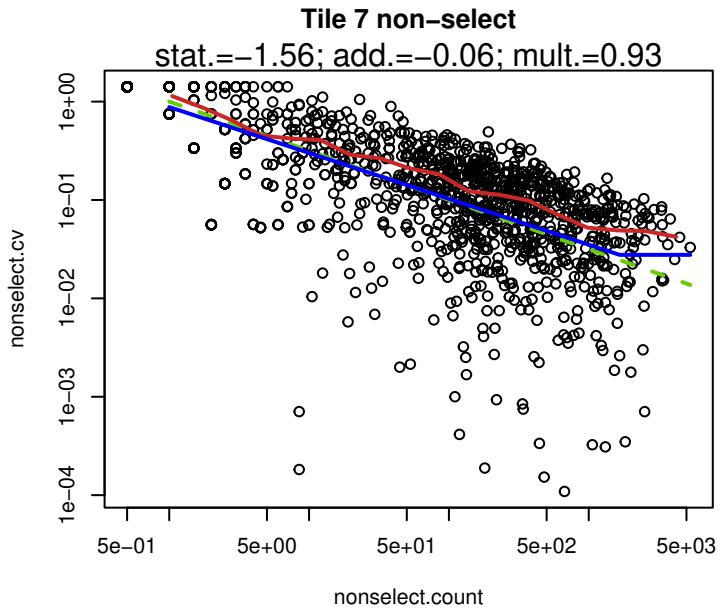
stat.=−1.64; add.=−0.11; mult.=1.03

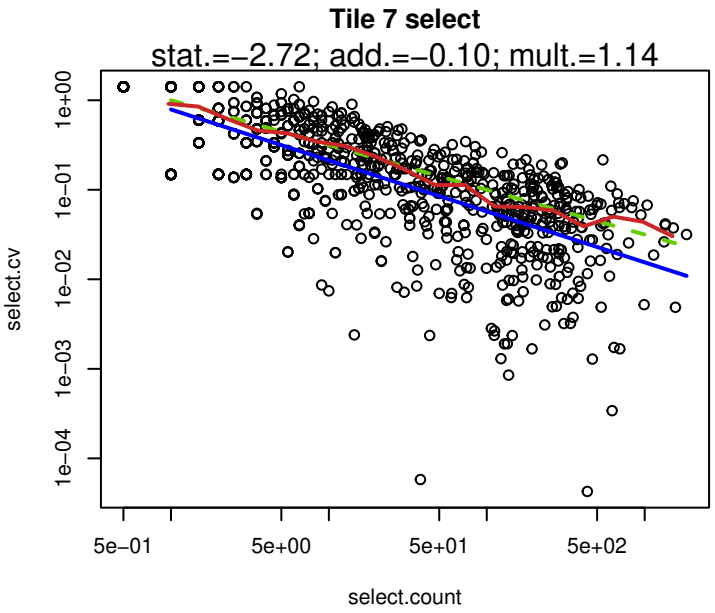


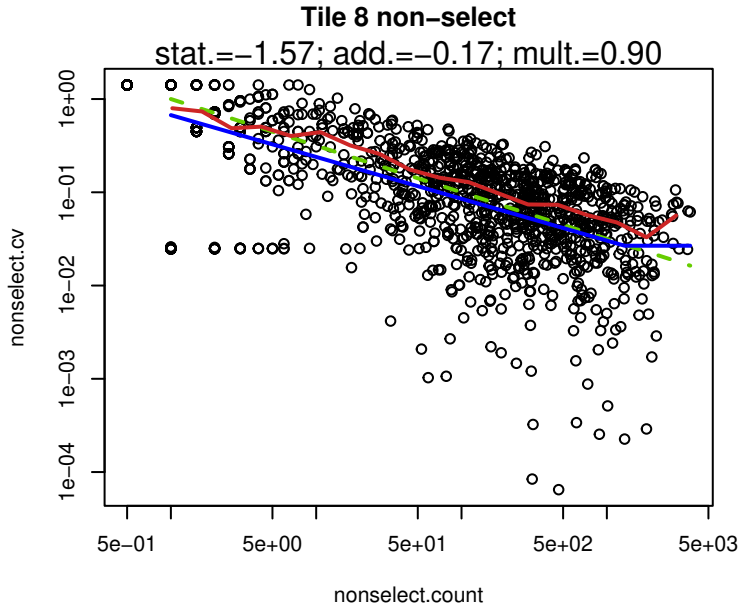
Tile 6 select

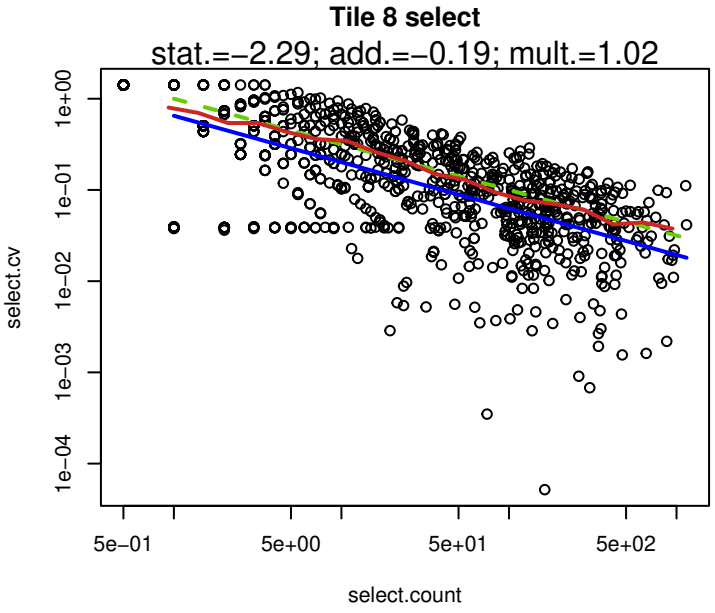
stat.=−1.92; add.=−0.05; mult.=1.12

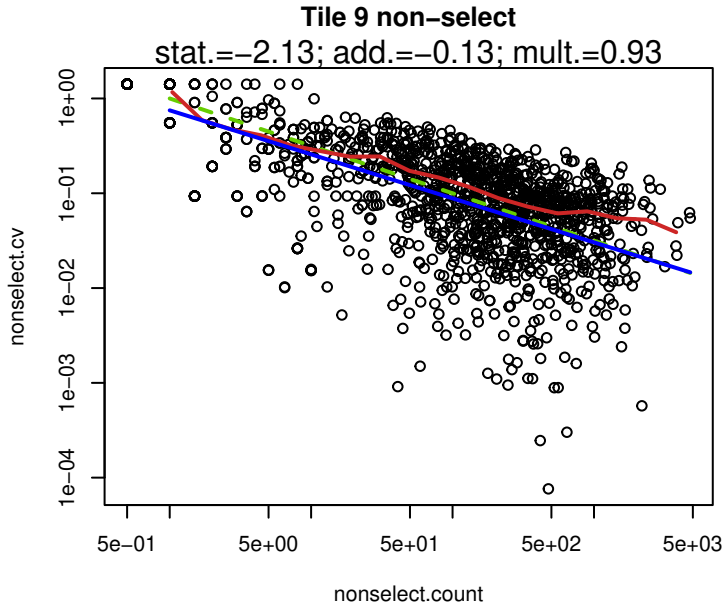


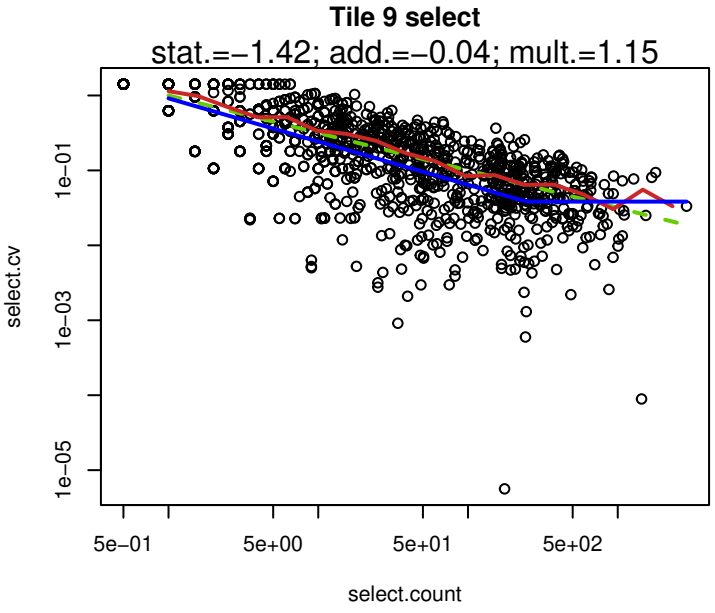

Tile 7 non−select
stat.=−1.56; add.=−0.06; mult.=0.93
nonselect.cv
nonselect.count
1e+00
1e−01
1e−02
1e−03
1e−04
5e−01
5e+00
5e+01
5e+02
5e+03

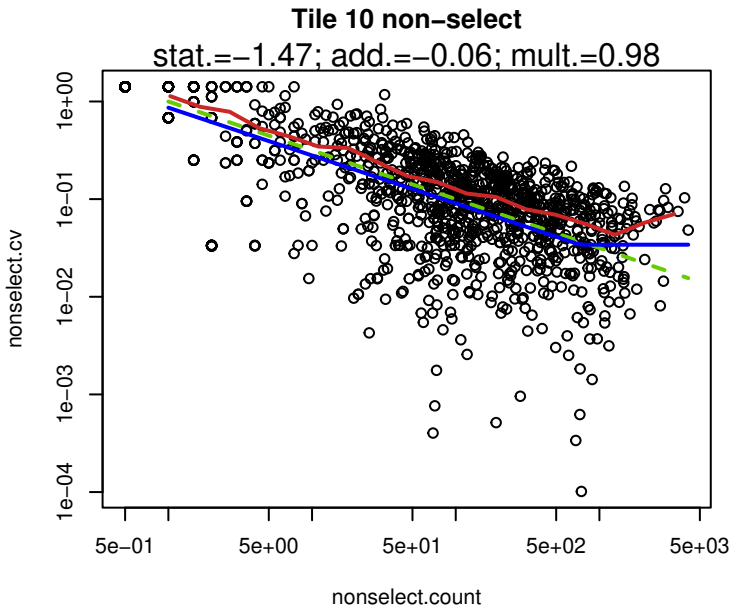

Tile 7 select
stat.=−2.72; add.=−0.10; mult.=1.14
select.cv
select.count
1e+00
1e−01
1e−02
1e−03
1e−04
5e−01
5e+00
5e+01
5e+02

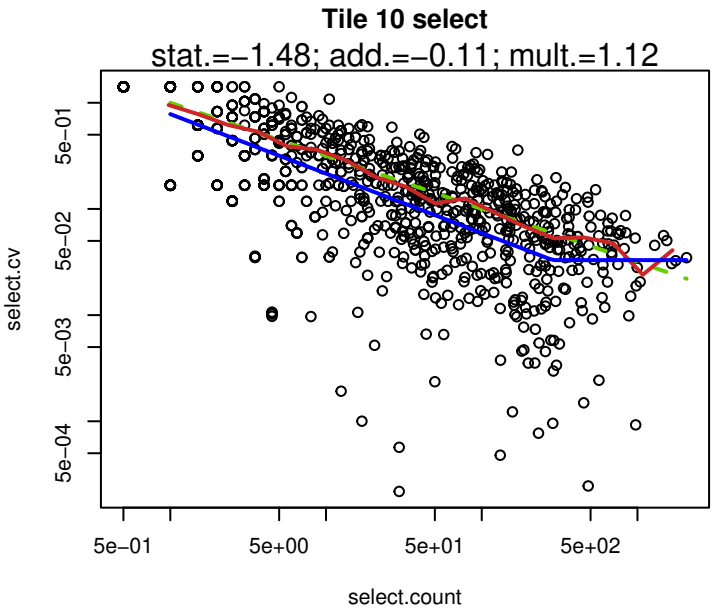

Tile 8 non−select
stat.=−1.57; add.=−0.17; mult.=0.90
nonselect.cv
nonselect.count
1e+00
1e−01
1e−02
1e−03
1e−04
5e−01
5e+00
5e+01
5e+02
5e+03


Tile 8 select
stat.=−2.29; add.=−0.19; mult.=1.02
select.cv
select.count
1e+00
1e−01
1e−02
1e−03
1e−04
5e−01
5e+00
5e+01
5e+02


Tile 9 non−select
stat.=−2.13; add.=−0.13; mult.=0.93
nonselect.cv
nonselect.count
1e+00
1e−01
1e−02
1e−03
1e−04
5e−01
5e+00
5e+01
5e+02
5e+03


Tile 9 select
stat.=−1.42; add.=−0.04; mult.=1.15
select.cv
select.count
1e−01
1e−03
1e−05
5e−01
5e+00
5e+01
5e+02


Tile 10 non−select
stat.=−1.47; add.=−0.06; mult.=0.98
nonselect.cv
1e−04
1e−03
1e−02
1e−01
1e+00
5e−01
5e+00
5e+01
5e+02
5e+03
nonselect.count


Tile 10 select
stat.=−1.48; add.=−0.11; mult.=1.12
select.cv
5e−04
5e−03
5e−02
5e−01
5e−01
5e+00
5e+01
5e+02
select.count