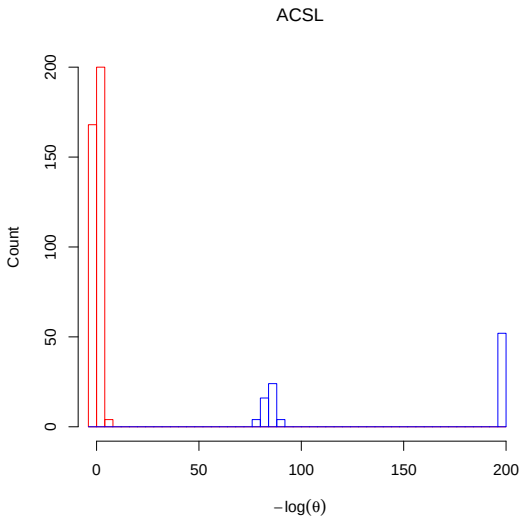
ACSL
Count
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100
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200
0
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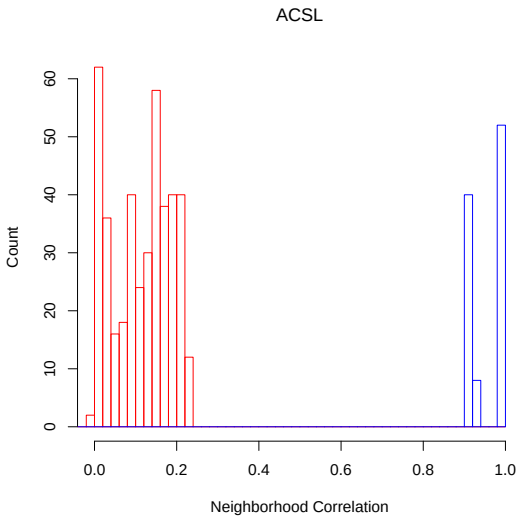
100
150
200
−log(θ)


ACSL
Count
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30
40
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60
0.0
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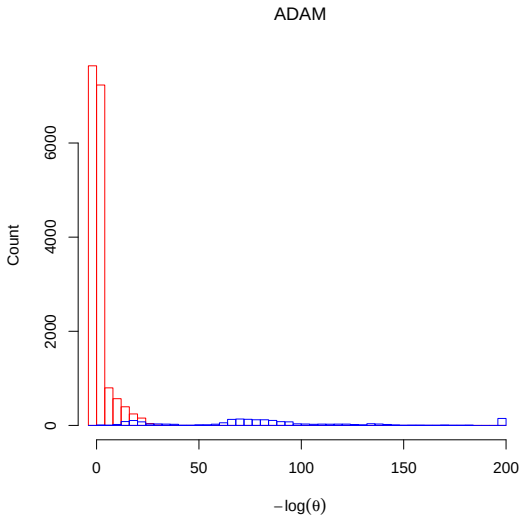
0.4
0.6
0.8
1.0
Neighborhood Correlation


ADAM
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6000
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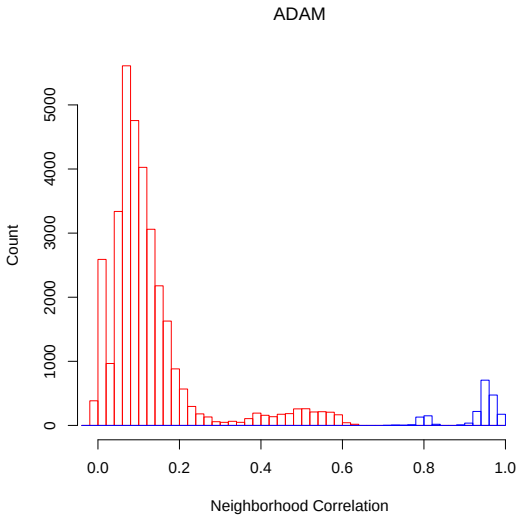
100
150
200
−log(θ)


ADAM
Count
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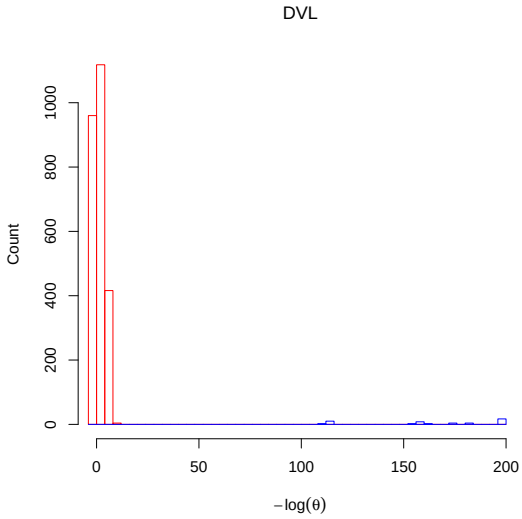
1000
2000
3000
4000
5000
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


DVL
Count
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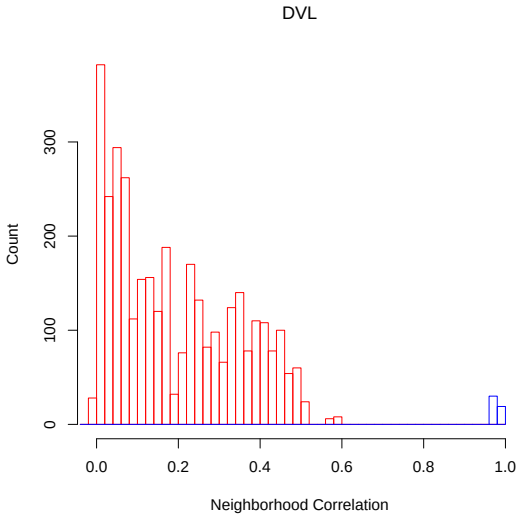
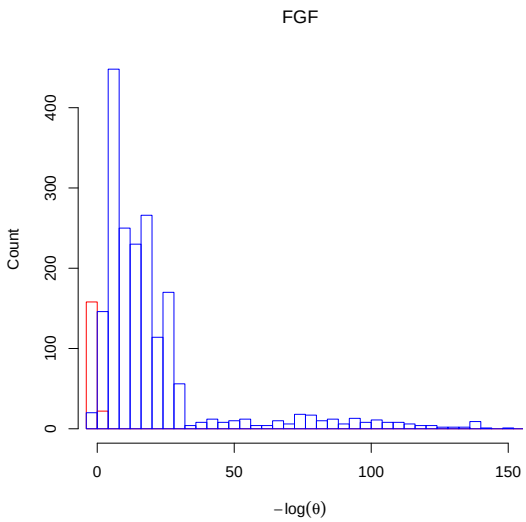
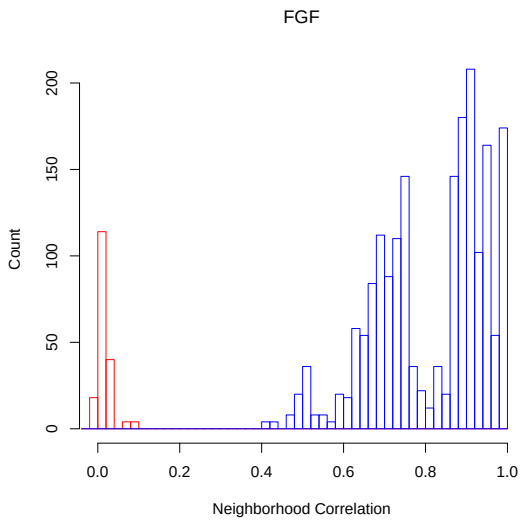
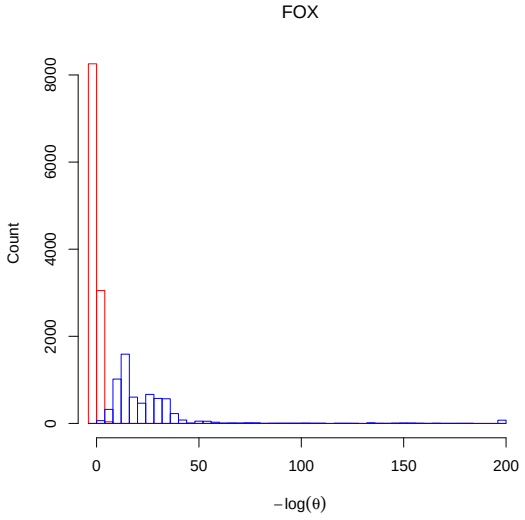
400
600
800
1000
0
50
100
150
200
−log(θ)


DVL
Count
0
100
200
300
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


FGF
Count
0
100
200
300
400
0
50
100
150
−log(θ)


FGF
Count
0
50
100
150
200
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


FOX
Count
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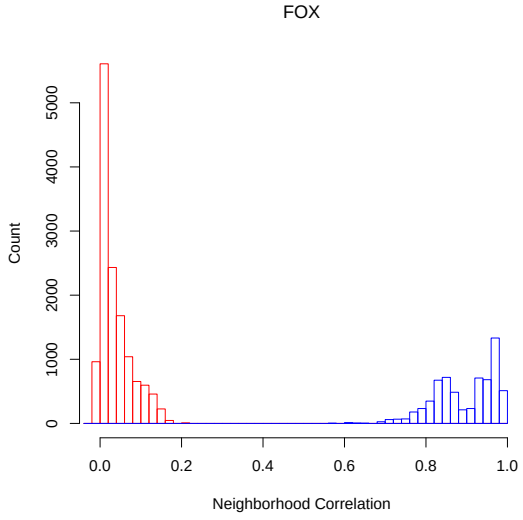
2000
4000
6000
8000
0
50
100
150
200
−log(θ)


FOX
Count
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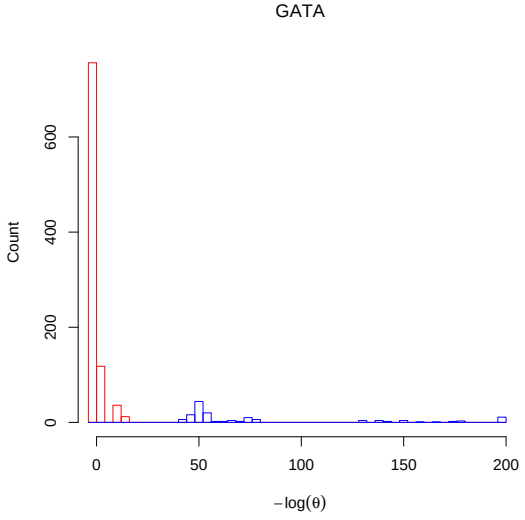
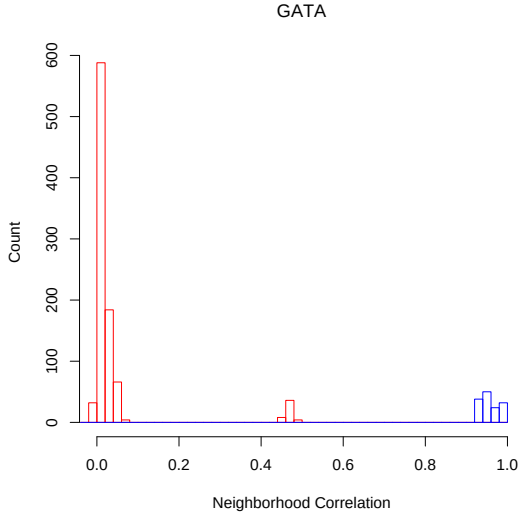
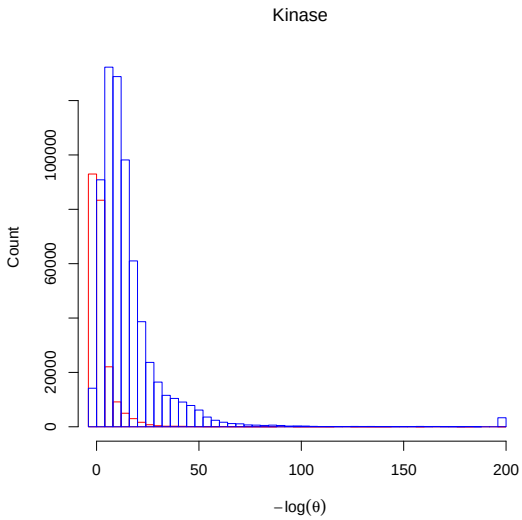
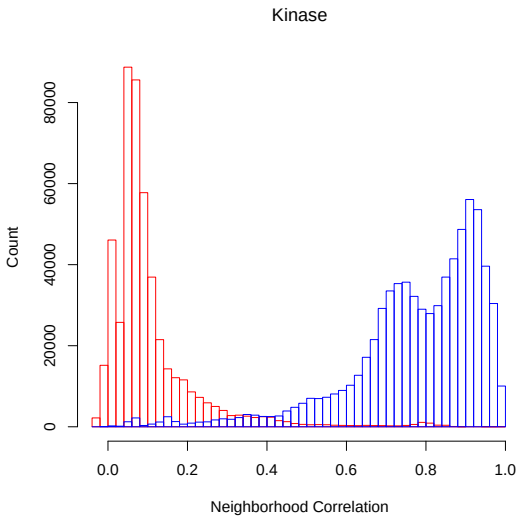
1000
2000
3000
4000
5000
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


GATA
Count
0
200
400
600
0
50
100
150
200
−log(θ)


GATA
Count
0
100
200
300
400
500
600
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


Kinase
Count
0
20000
60000
100000
0
50
100
150
200
−log(θ)


Kinase
Count
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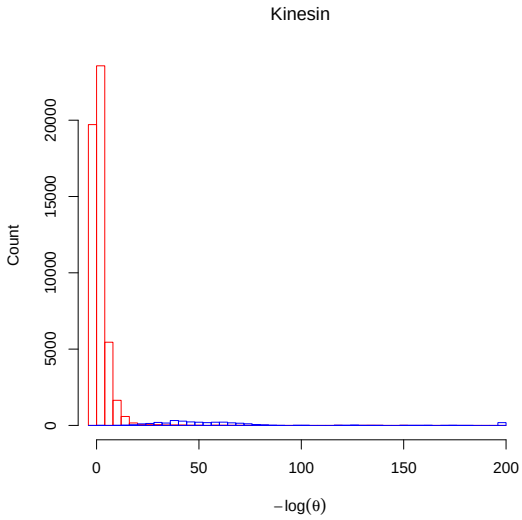
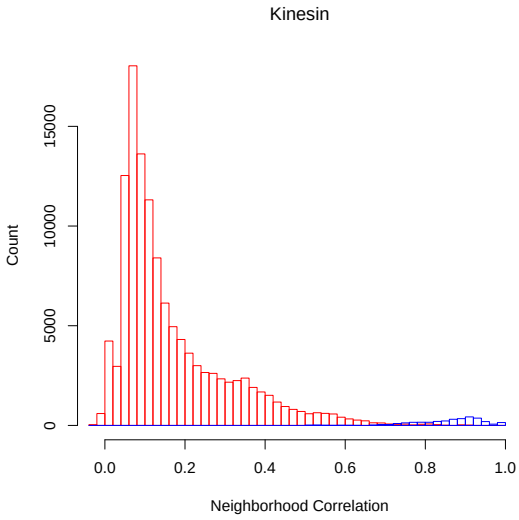
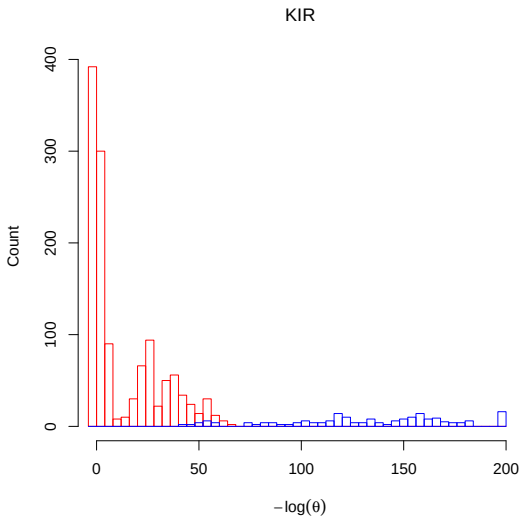
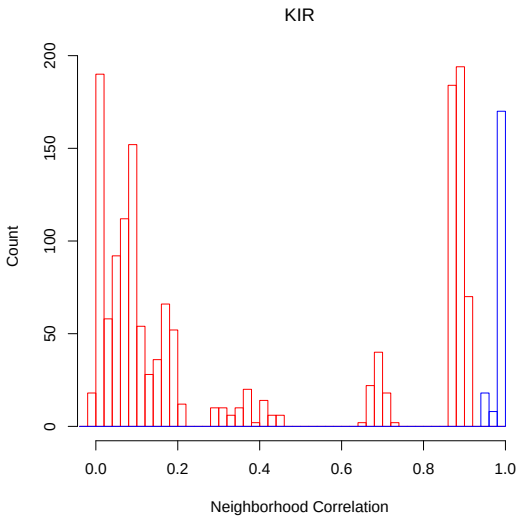
40000
60000
80000
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


Kinesin
Count
0
5000
10000
15000
20000
0
50
100
150
200
−log(θ)


Kinesin
Count
0
5000
10000
15000
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


KIR
Count
0
100
200
300
400
0
50
100
150
200
−log(θ)


KIR
Count
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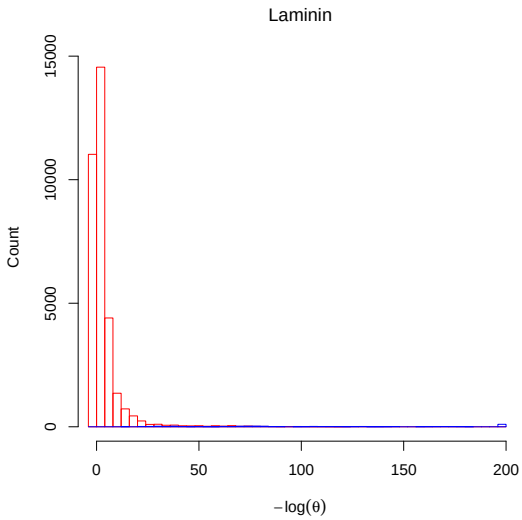
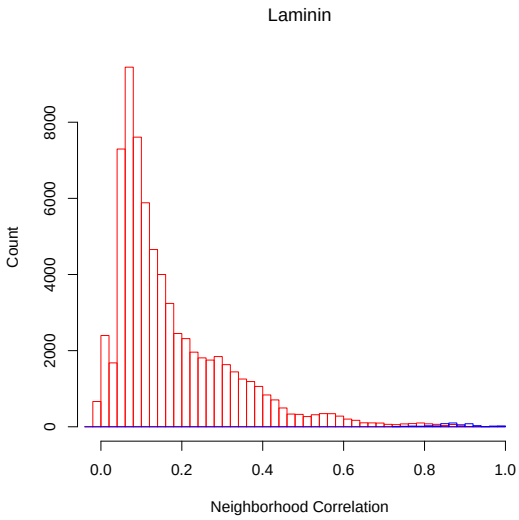
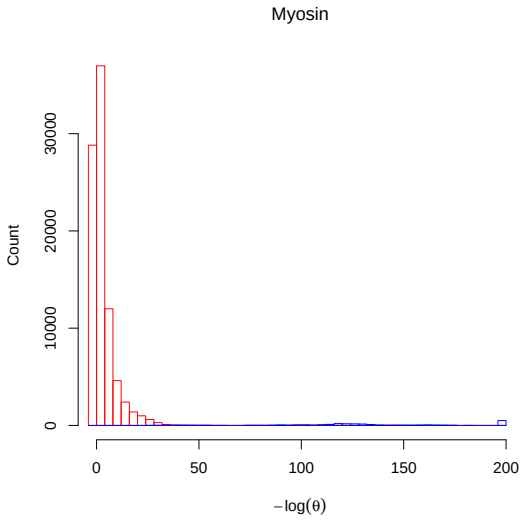
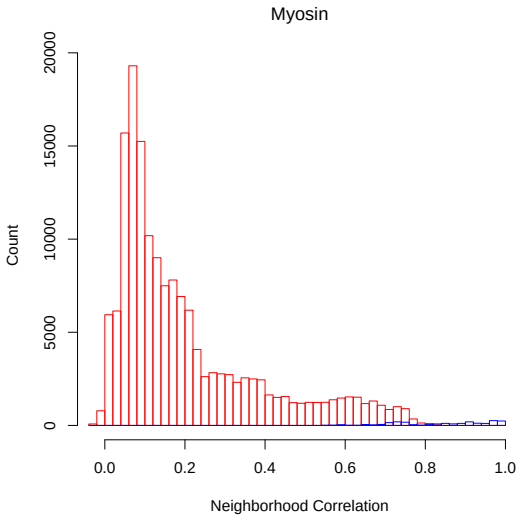
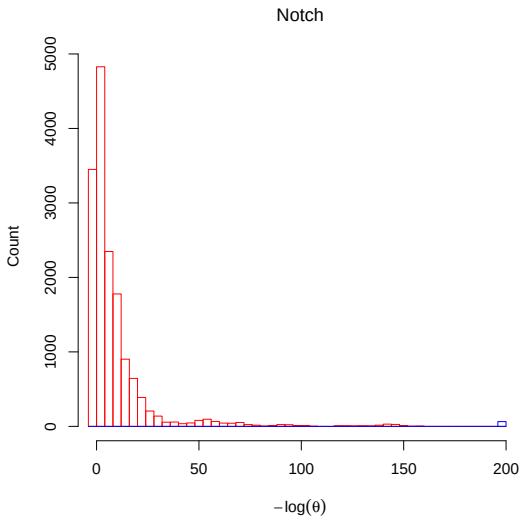
50
100
150
200
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation

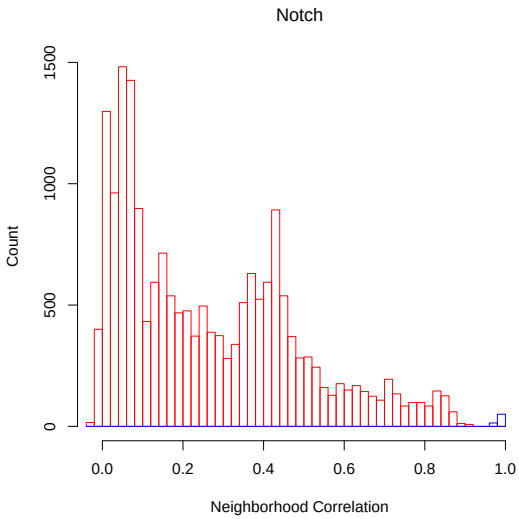

Laminin
Count
0
5000
10000
15000
0
50
100
150
200
−log(θ)


Laminin
Count
0
2000
4000
6000
8000
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


Myosin
Count
0
10000
20000
30000
0
50
100
150
200
−log(θ)


Myosin
Count
0
5000
10000
15000
20000
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


Notch
Count
0
1000
2000
3000
4000
5000
0
50
100
150
200
−log(θ)


Notch
Count
0
500
1000
1500
0.0
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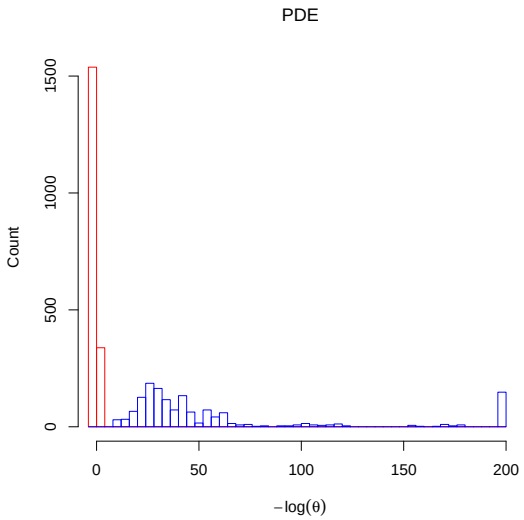
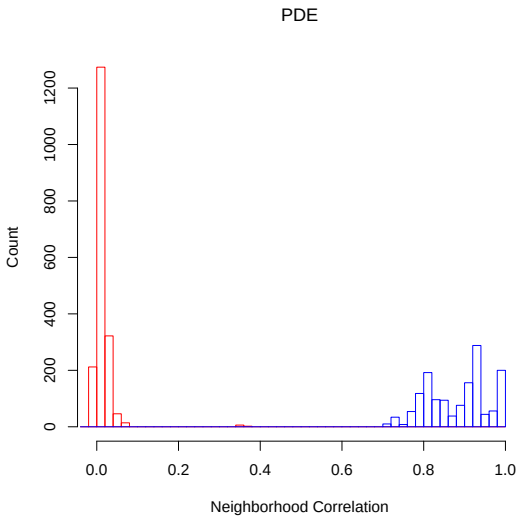
0.4
0.6
0.8
1.0
Neighborhood Correlation


PDE
Count
0
500
1000
1500
0
50
100
150
200
−log(θ)


PDE
Count
0
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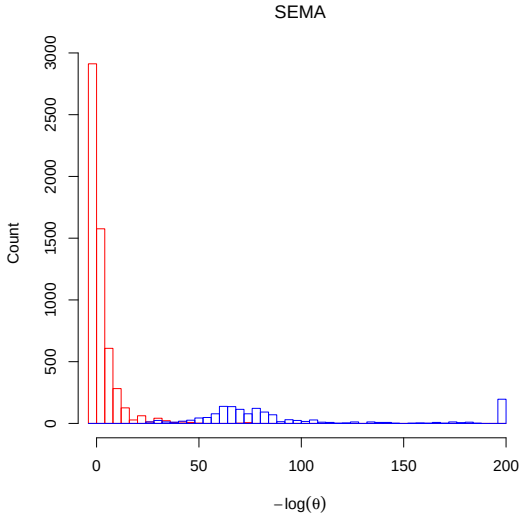
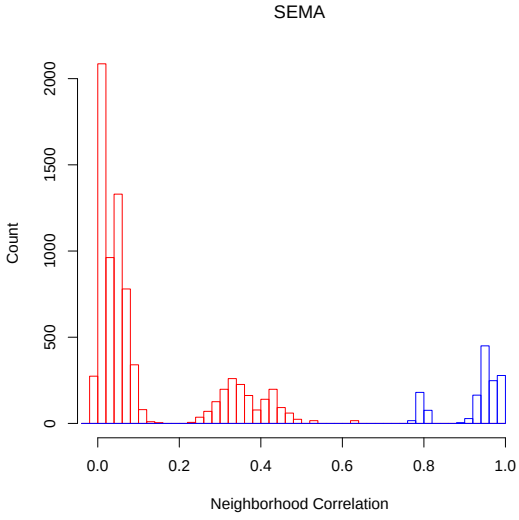
400
600
800
1000
1200
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


SEMA
Count
0
500
1000
1500
2000
2500
3000
0
50
100
150
200
−log(θ)


SEMA
Count
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500
1000
1500
2000
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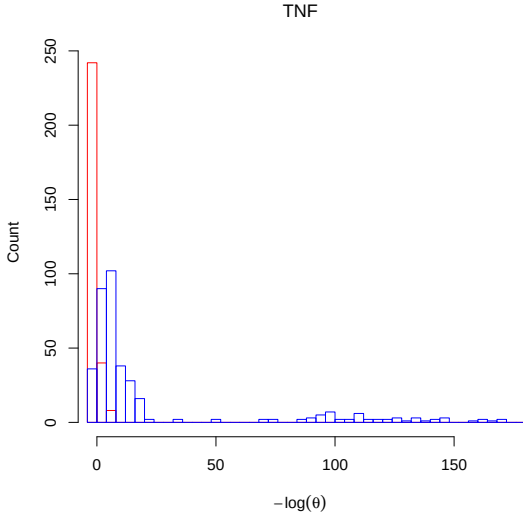
0.4
0.6
0.8
1.0
Neighborhood Correlation


TNF
Count
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100
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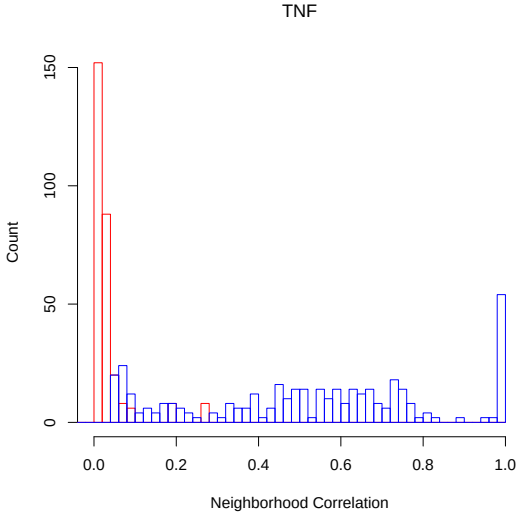
200
250
0
50
100
150
−log(θ)


TNF
Count
0
50
100
150
0.0
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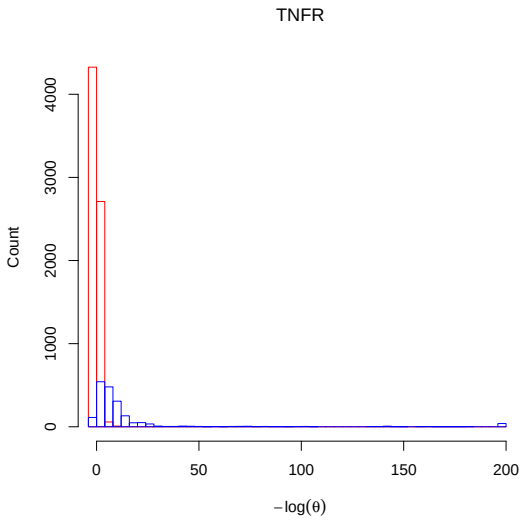
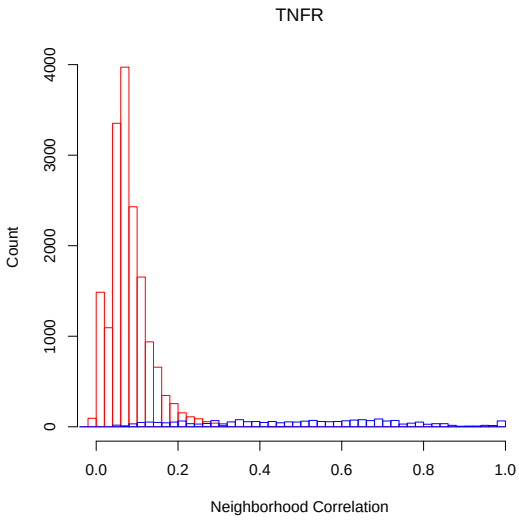
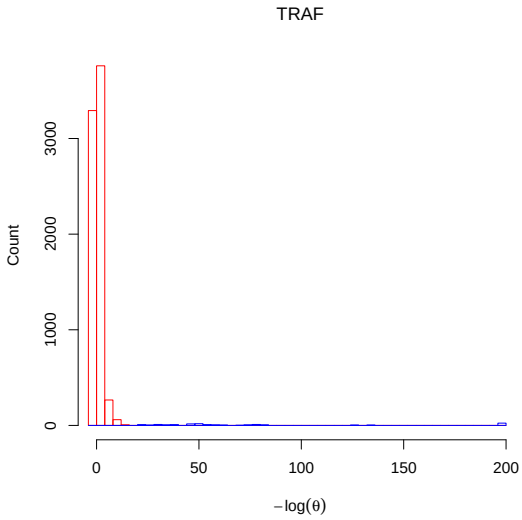
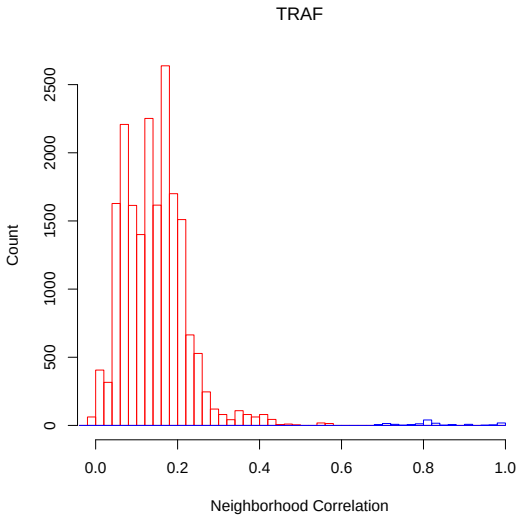
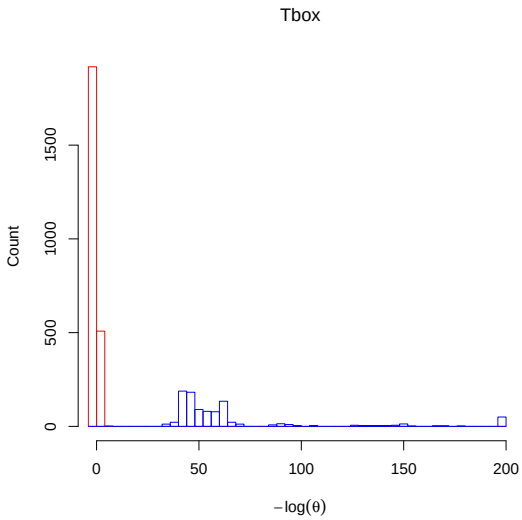
0.4
0.6
0.8
1.0
Neighborhood Correlation

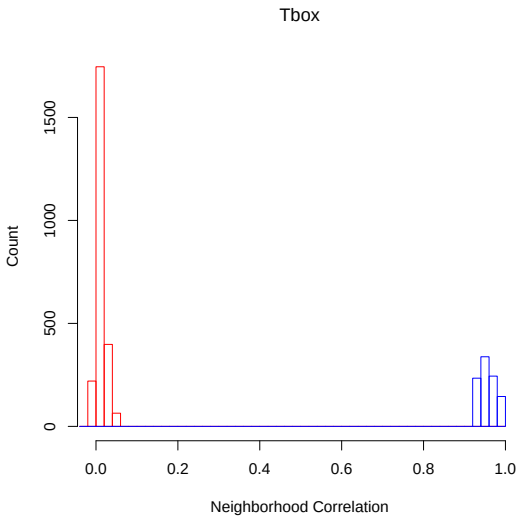

TNFR
Count
0
1000
2000
3000
4000
0
50
100
150
200
−log(θ)


TNFR
Count
0
1000
2000
3000
4000
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


TRAF
Count
0
1000
2000
3000
0
50
100
150
200
−log(θ)


TRAF
Count
0
500
1000
1500
2000
2500
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation


Tbox
Count
0
500
1000
1500
0
50
100
150
200
−log(θ)


Tbox
Count
0
500
1000
1500
0.0
0.2
0.4
0.6
0.8
1.0
Neighborhood Correlation

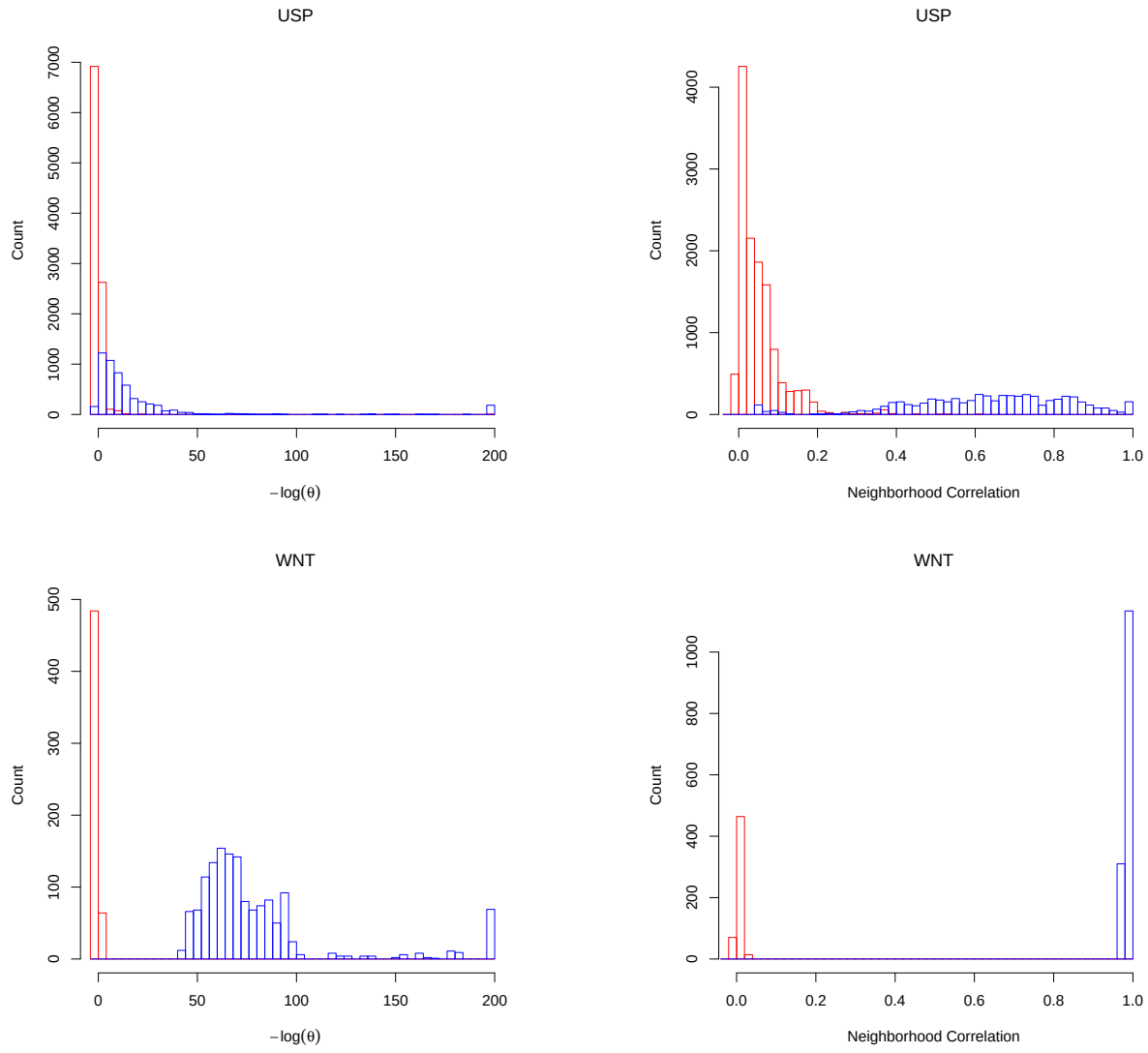


Figure S2: Distributions of significance and NC scores for all families. FF matches are shown in blue, FO matches in red.