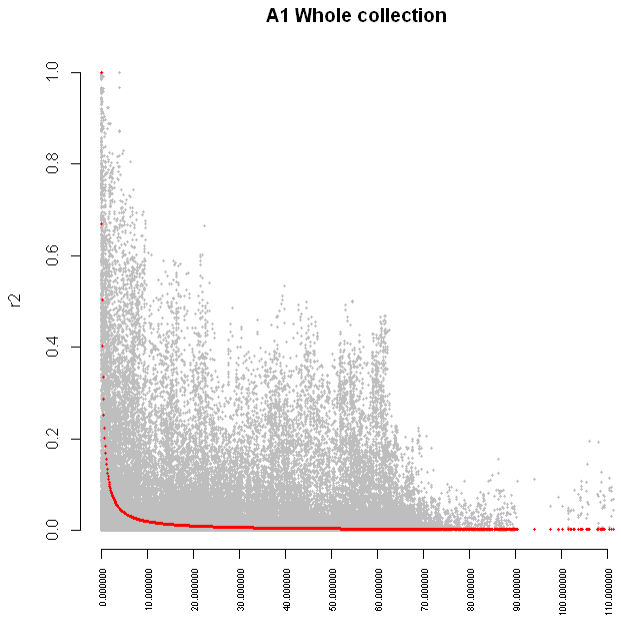
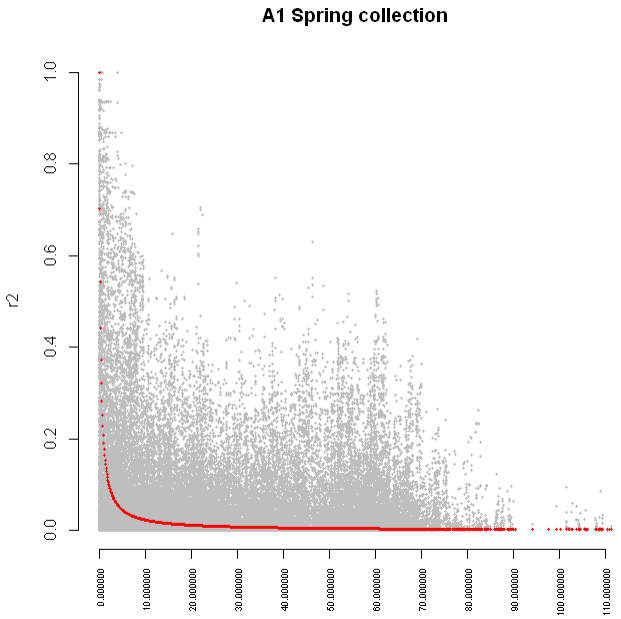
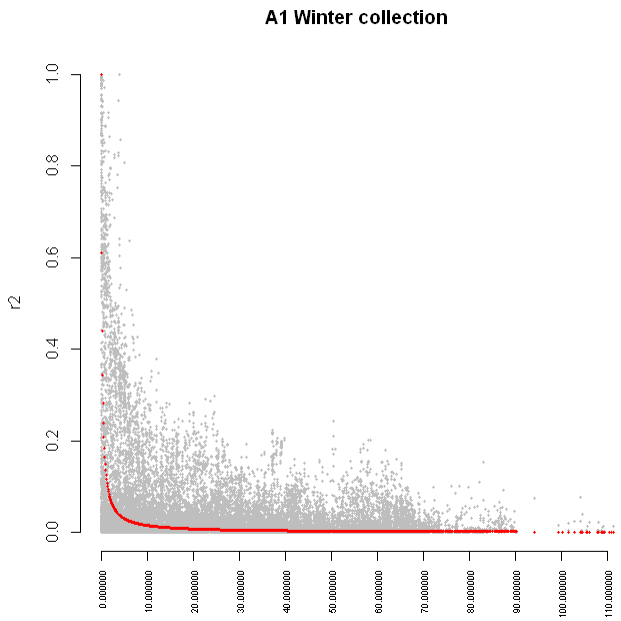
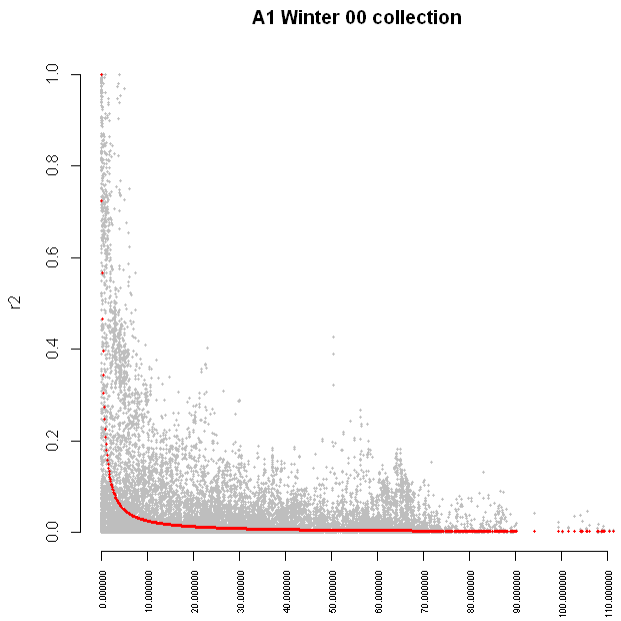
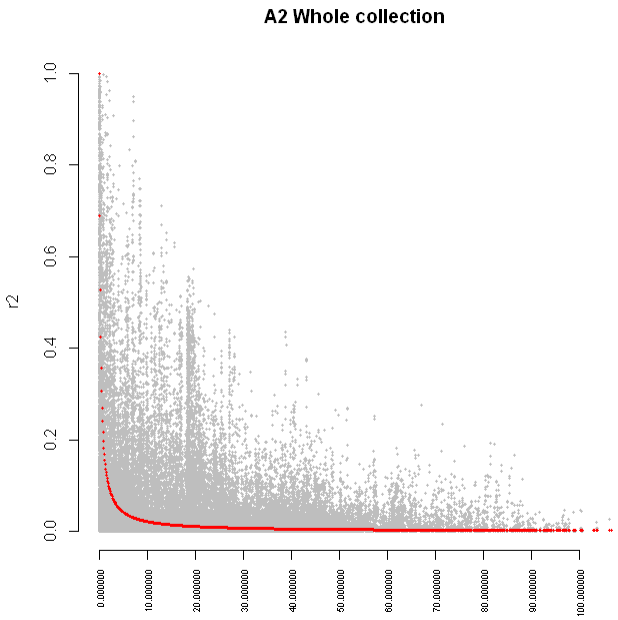
Supplementary figure 4: Plots of r^2 as a function of genetic distance (in cM) between pairs of SNPs on each linkage group in the whole, spring, winter and « 00 » winter oilseed rape collections. Red curves show the non-linear regressions trend line of r^2 versus genetic distance

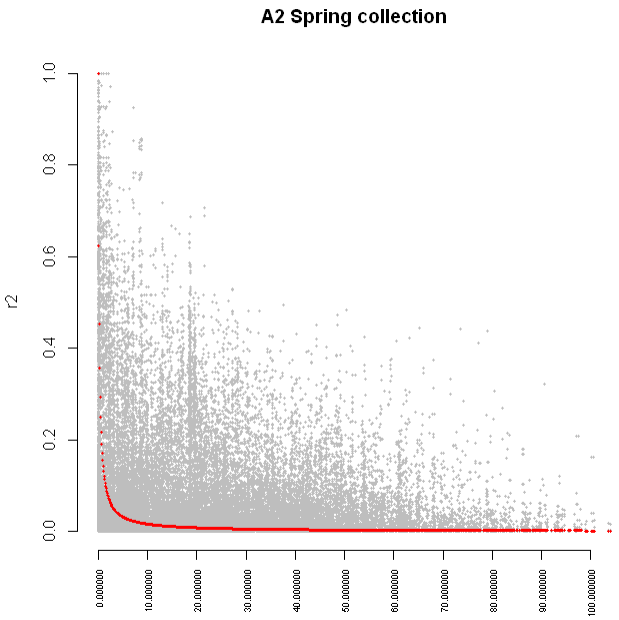


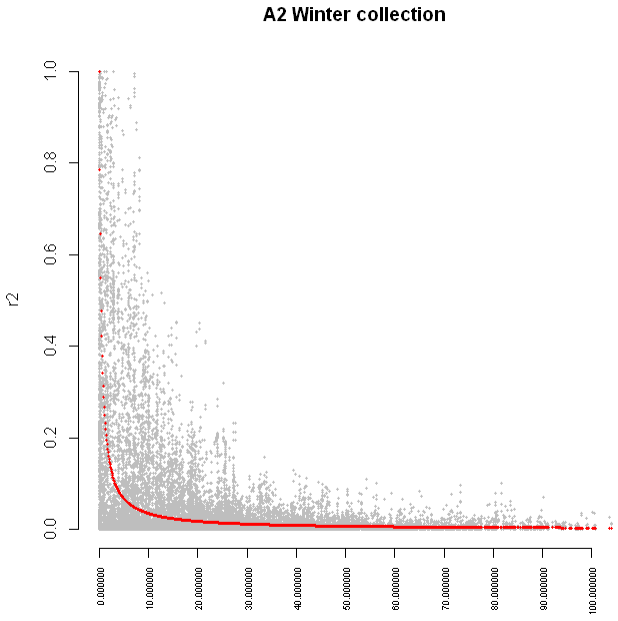







A2 Whole collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000


A2 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000


A2 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
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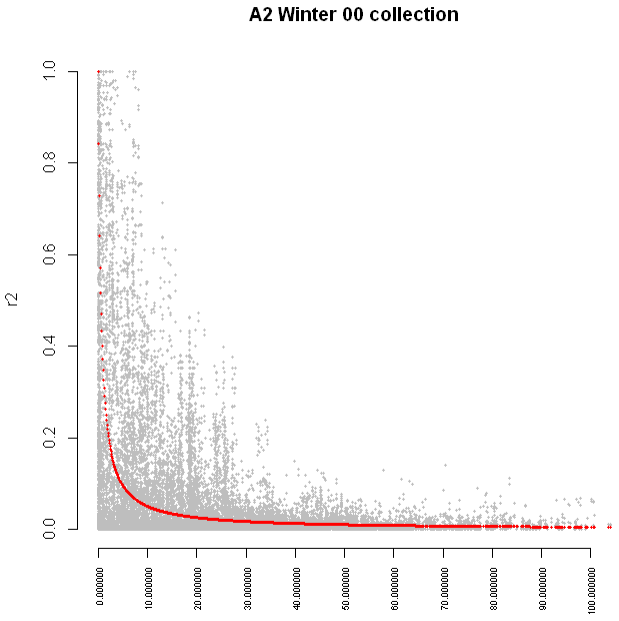
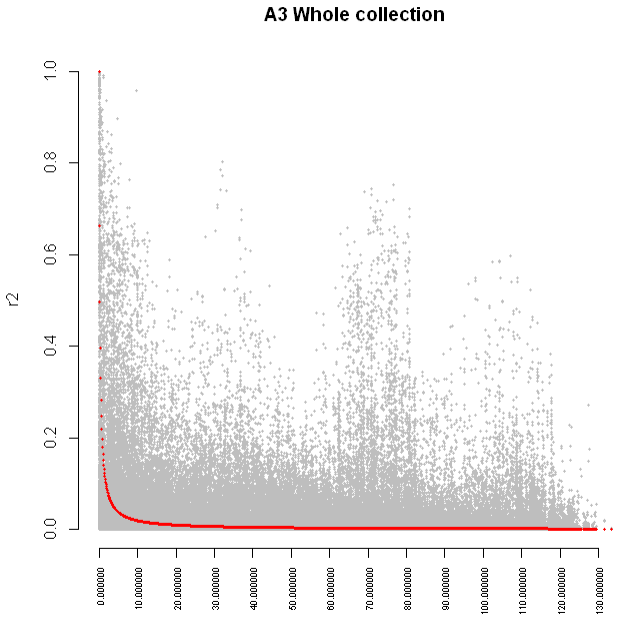
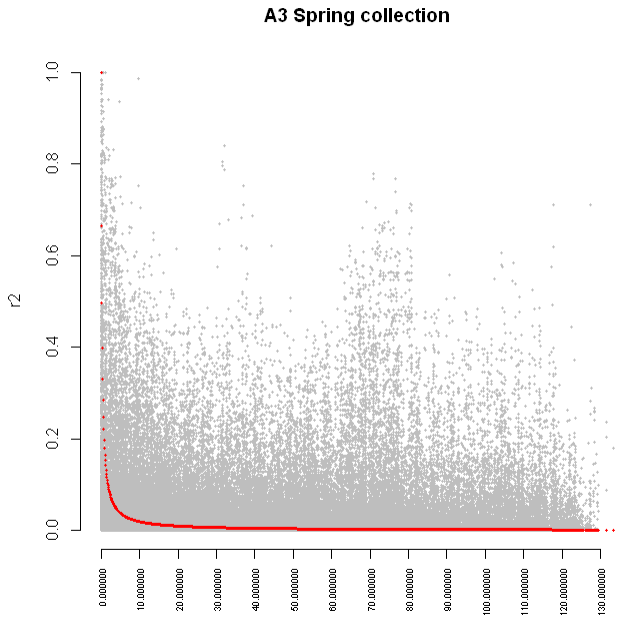
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000


A2 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000


A3 Whole collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000
110.000000
120.000000
130.000000


A3 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
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40.000000
50.000000
60.000000
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90.000000
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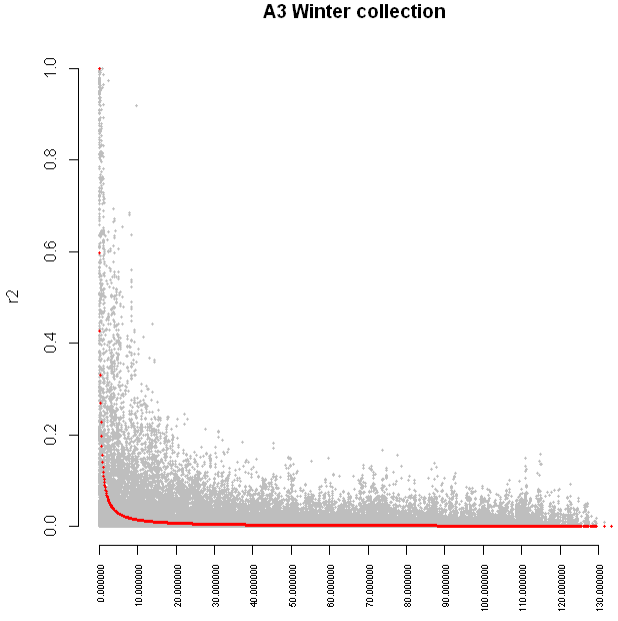
A3 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
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90.000000
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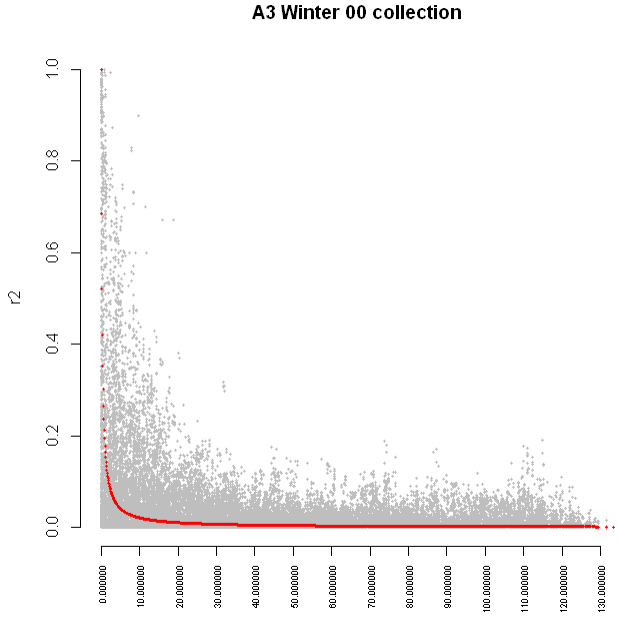
A3 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
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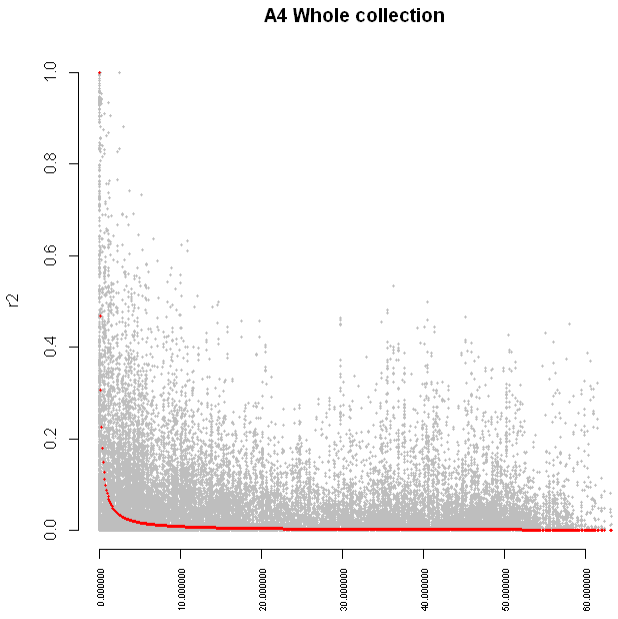
130.000000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r2
0.0
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0.4
0.6
0.8
1.0
0.000000
10.000000
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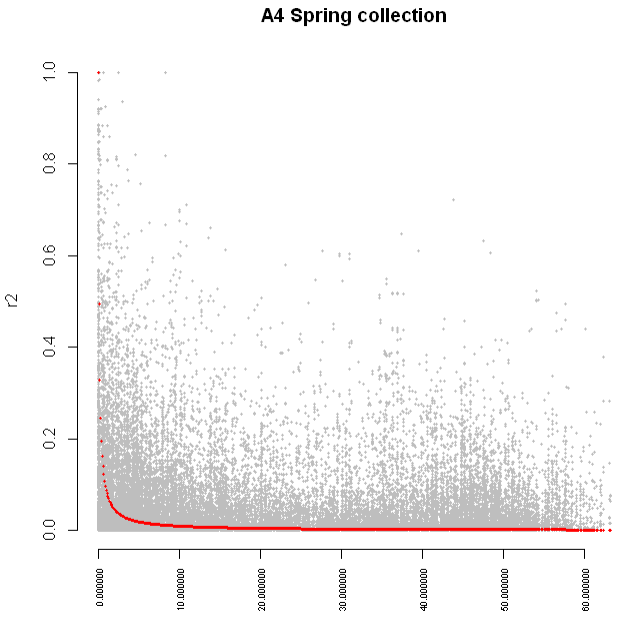
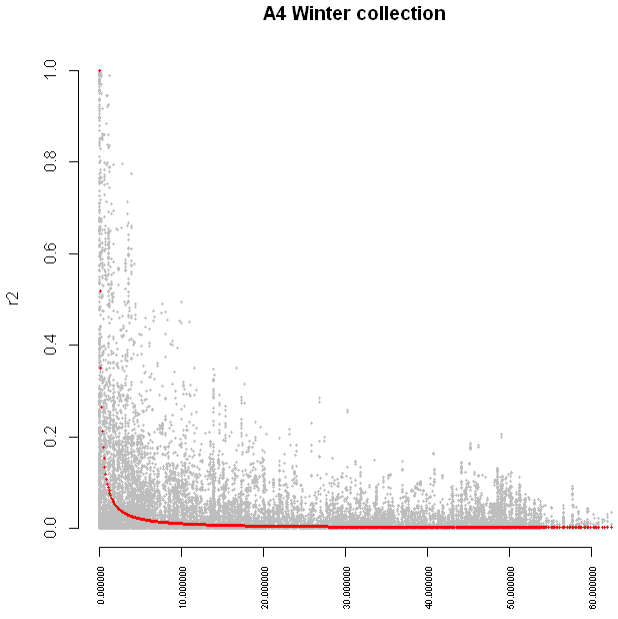
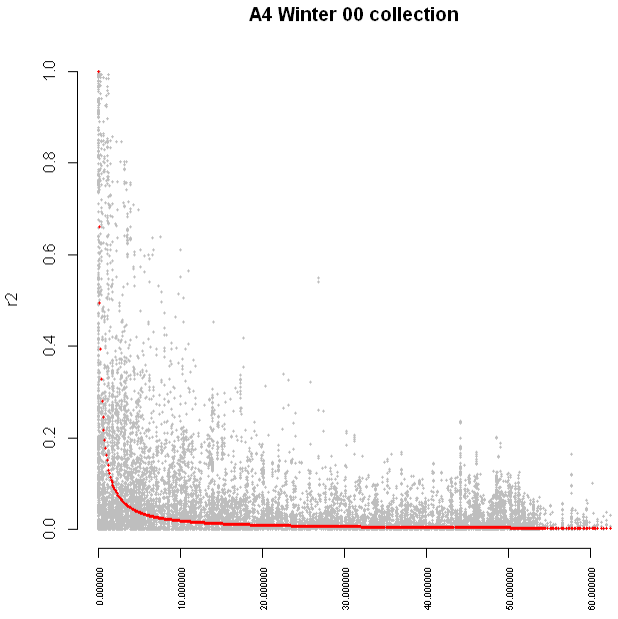
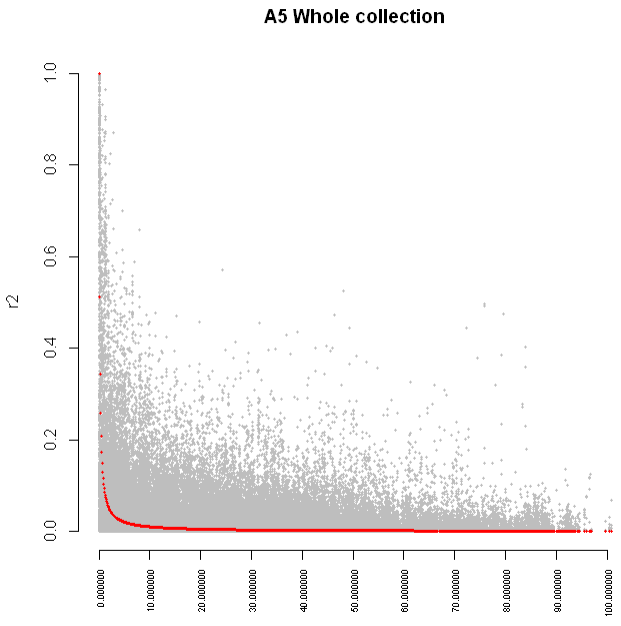
50.000000
60.000000


A4 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000


A4 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000


A4 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000


A5 Whole collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
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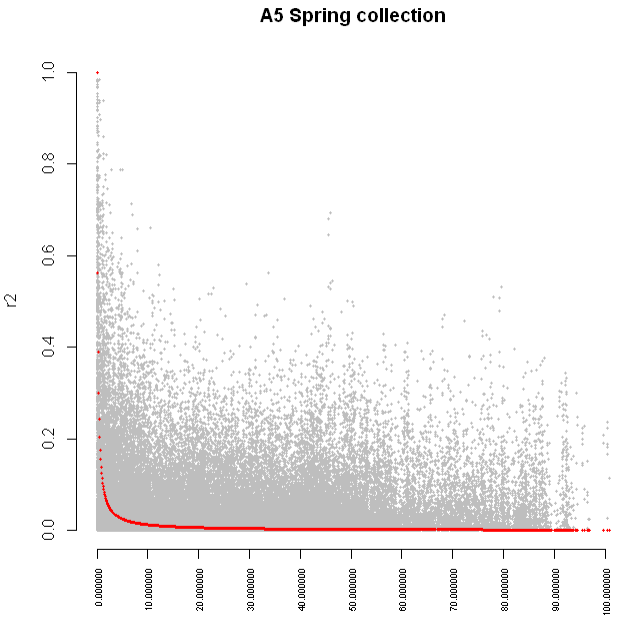
100.000000


A5 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
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40.000000
50.000000
60.000000
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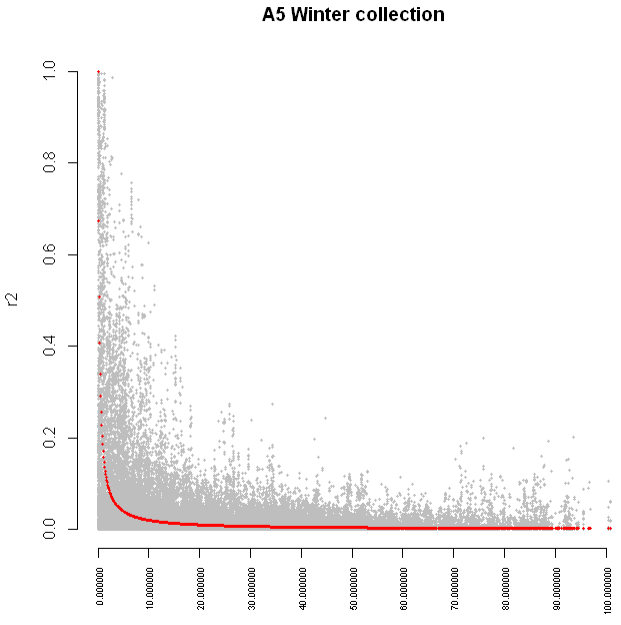
A5 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
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10.000000
20.000000
30.000000
40.000000
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60.000000
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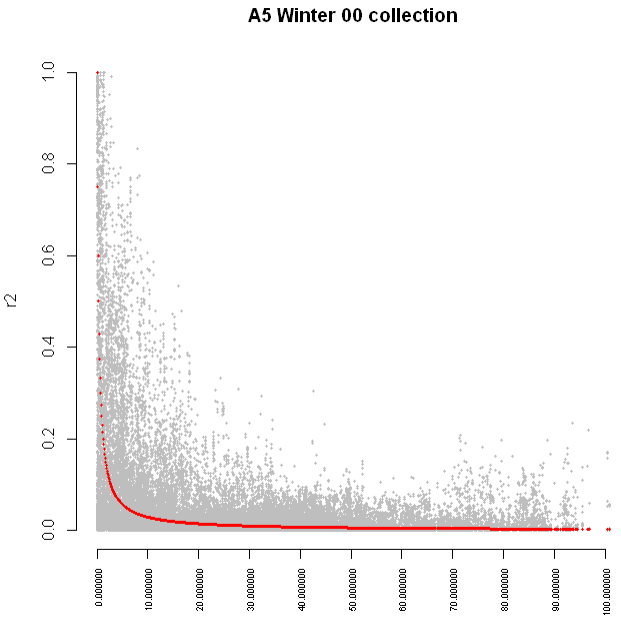
A5 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
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20.000000
30.000000
40.000000
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60.000000
70.000000
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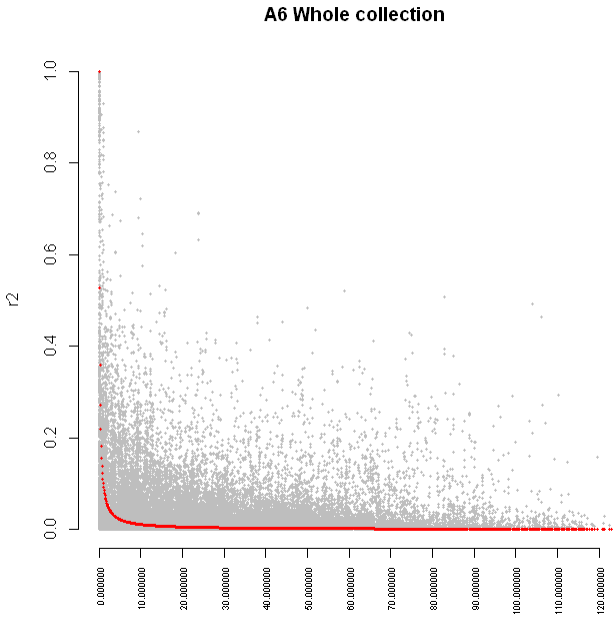
A6 Whole collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
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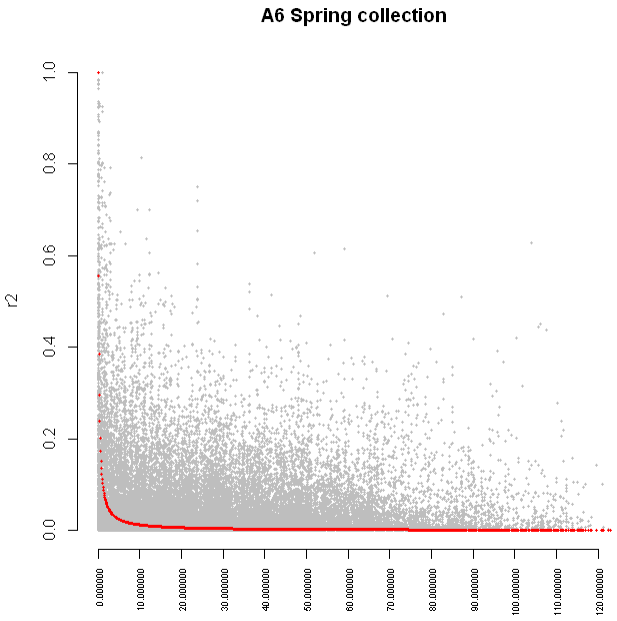
120.000000


A6 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
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80.000000
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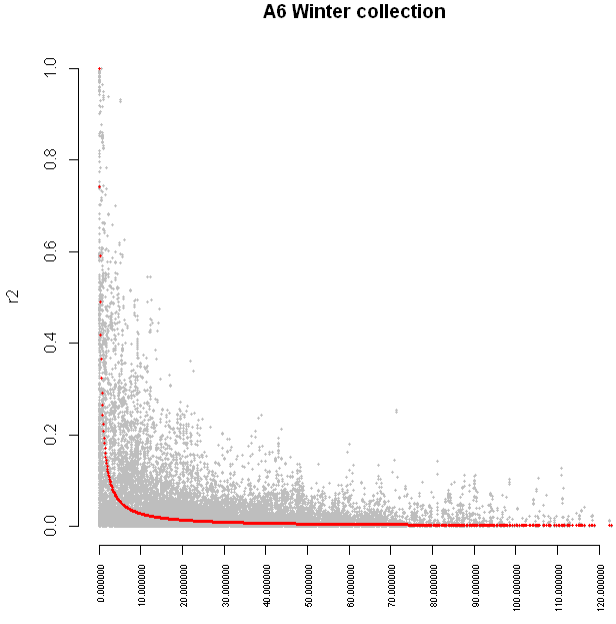
120.000000


A6 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
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70.000000
80.000000
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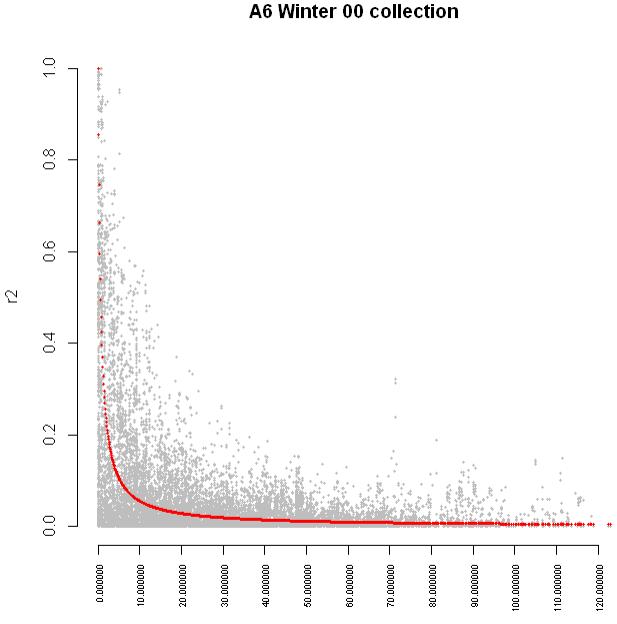
120.000000


A6 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
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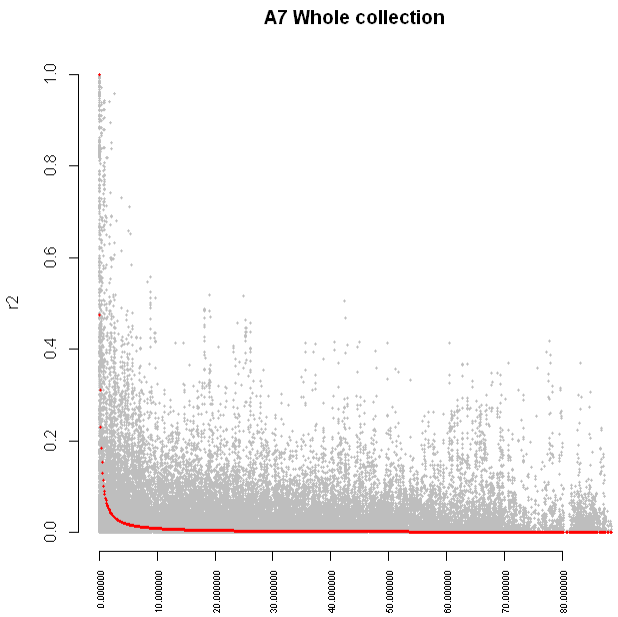
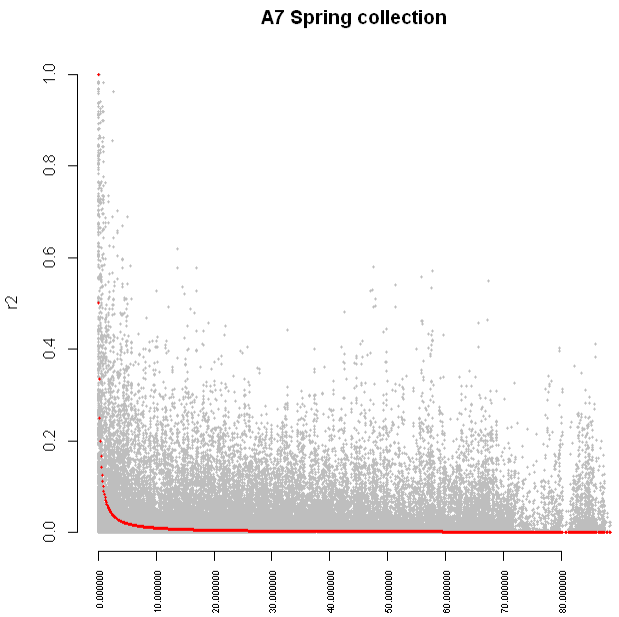

A7 Whole collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000


A7 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
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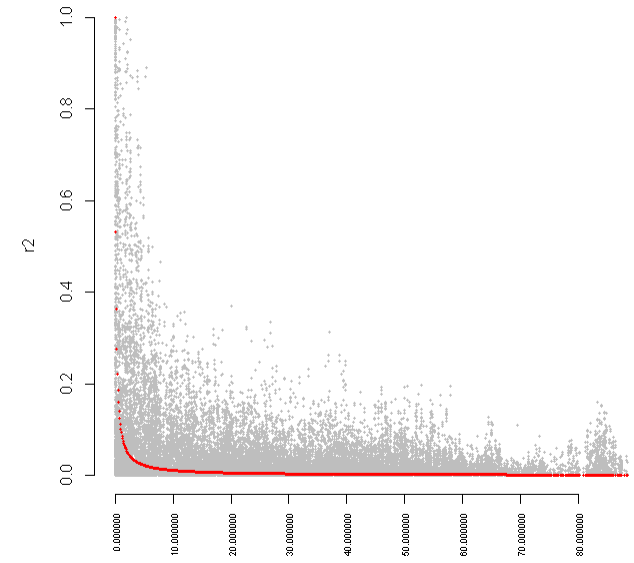
70.000000
80.000000


A7 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
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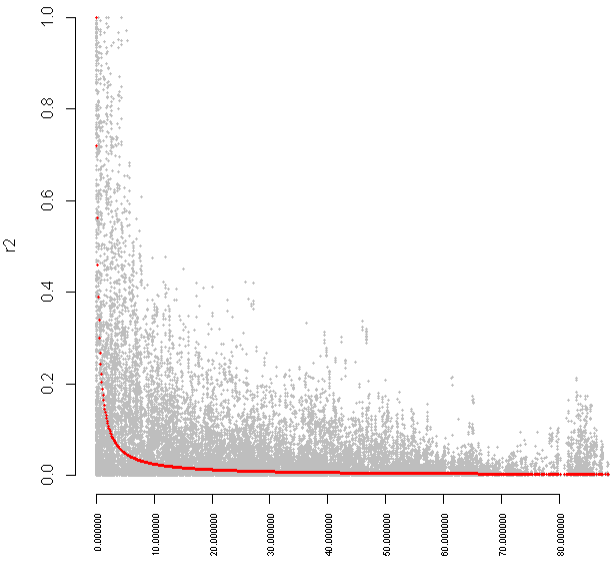
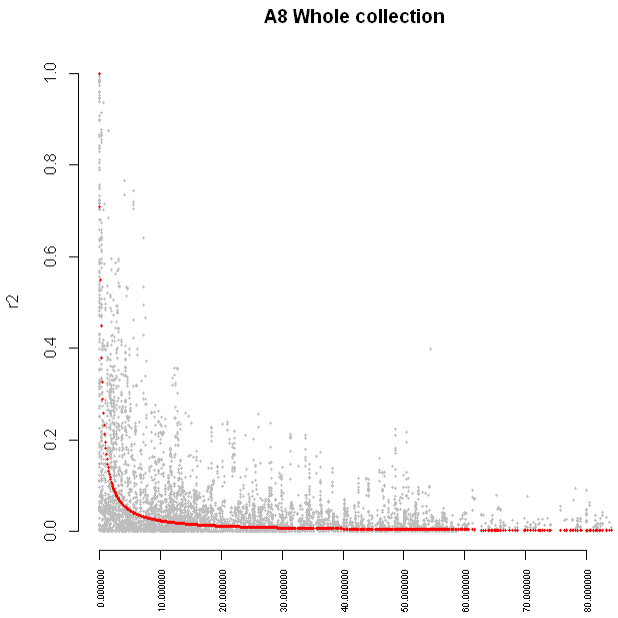
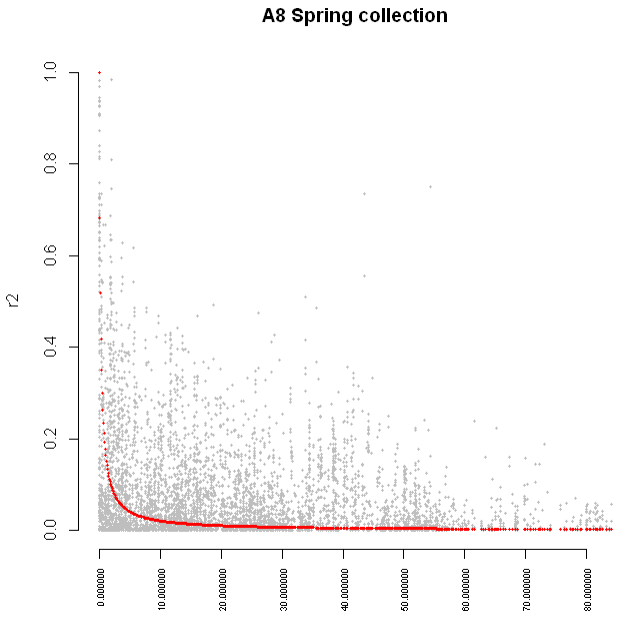
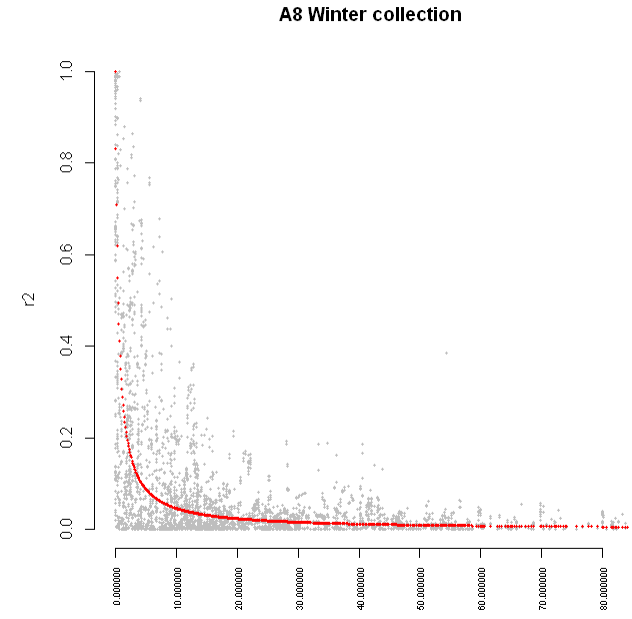
80.000000


A7 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000


A8 Whole collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000


A8 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000


A8 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
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40.000000
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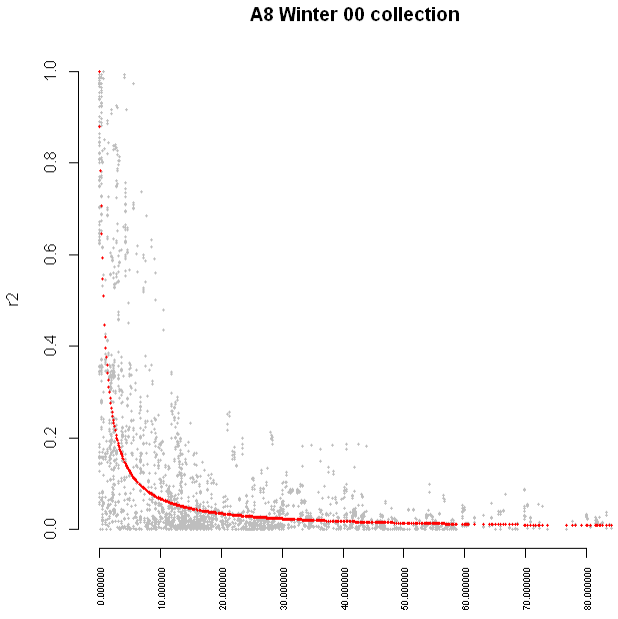
80.000000


A8 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
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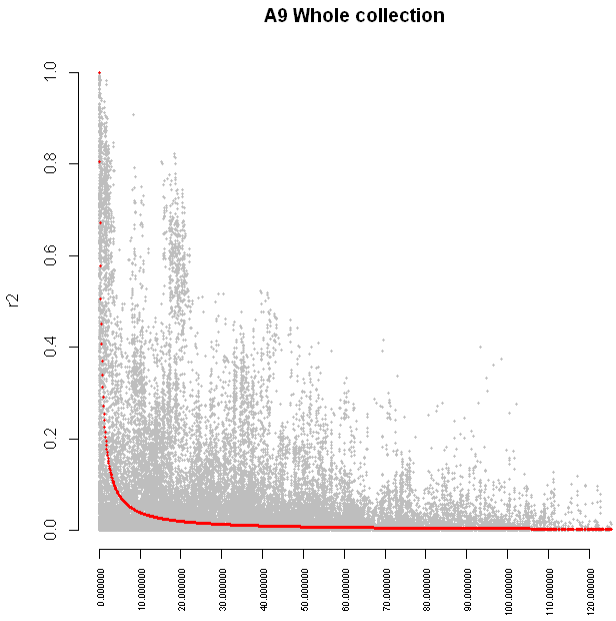
80.000000


A9 Whole collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
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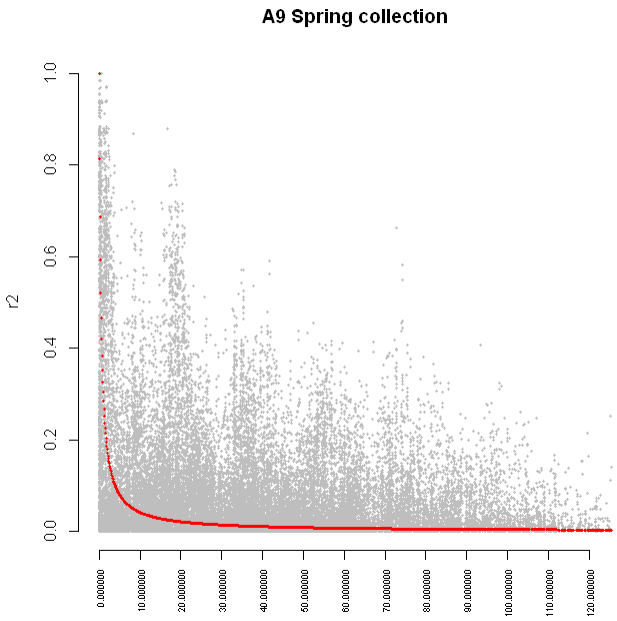
120.000000


A9 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
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40.000000
50.000000
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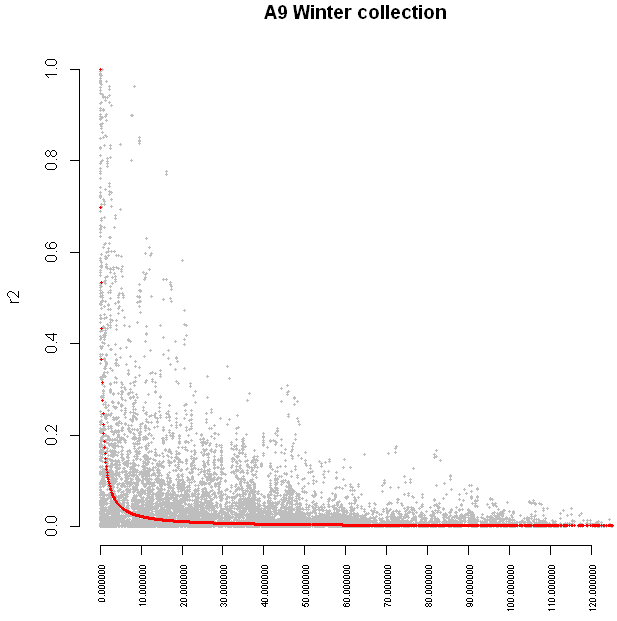
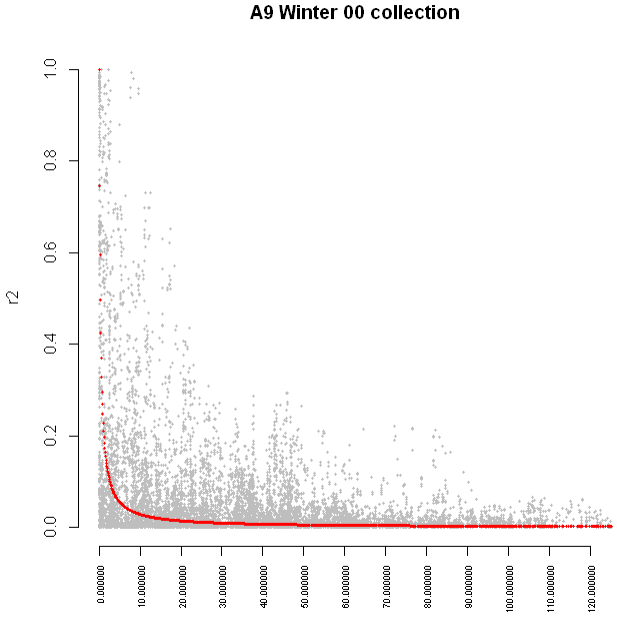

A9 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000
110.000000
120.000000


A9 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000
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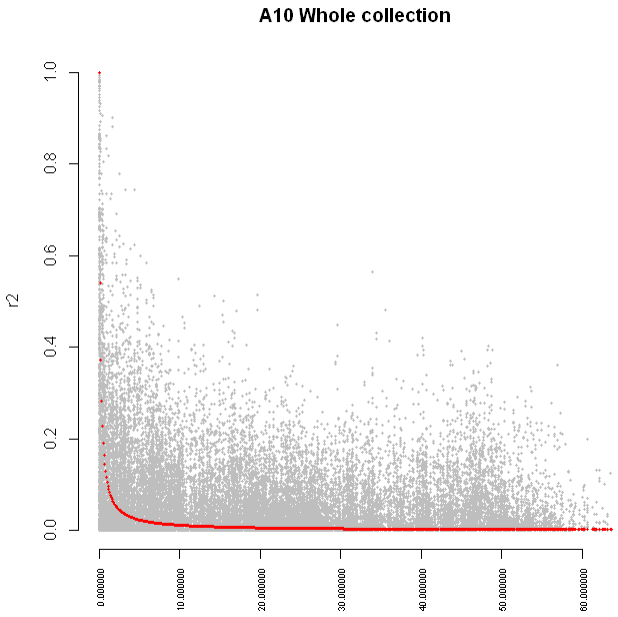
120.000000


A10 Whole collection
r2
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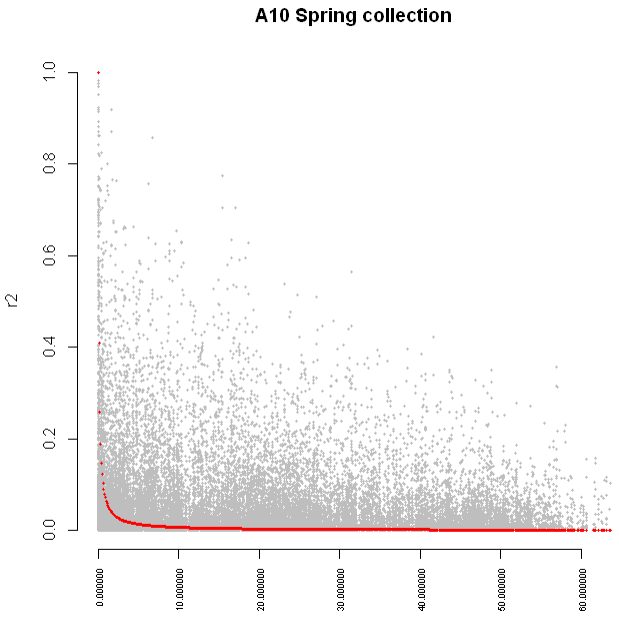
A10 Spring collection
r2
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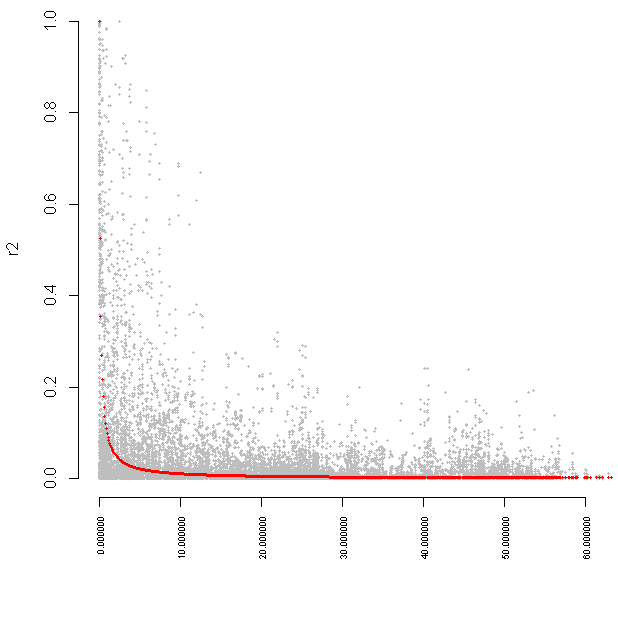
A10 Winter collection
r2
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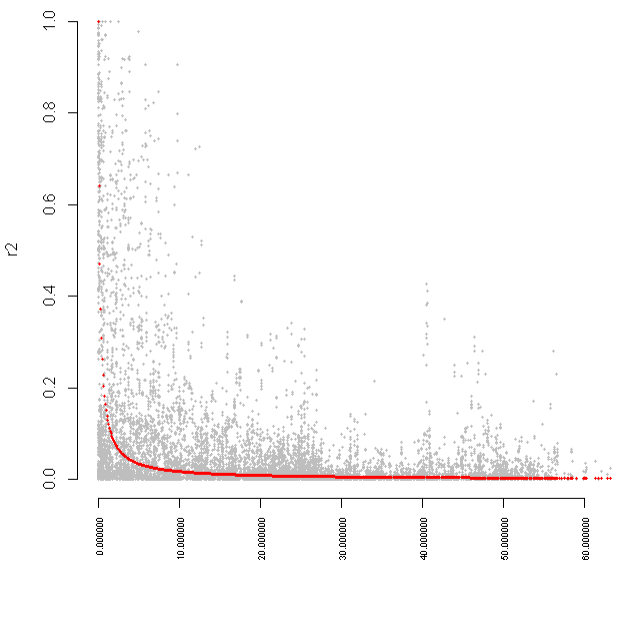
A10 Winter 00 collection
r2
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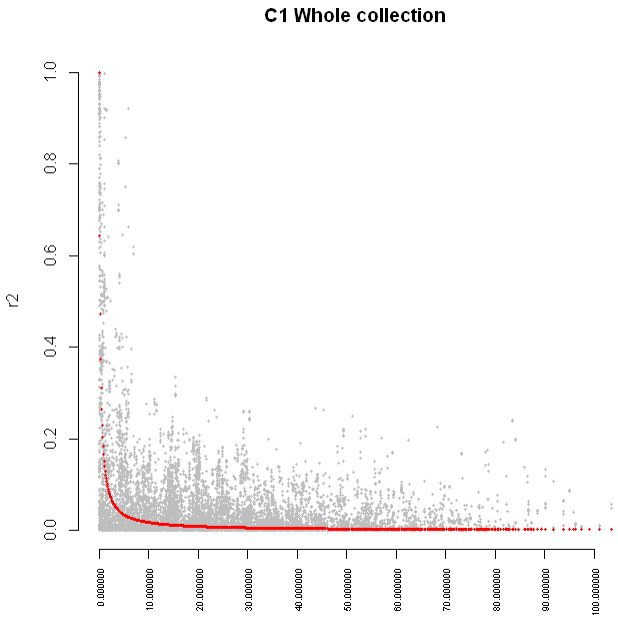
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r2
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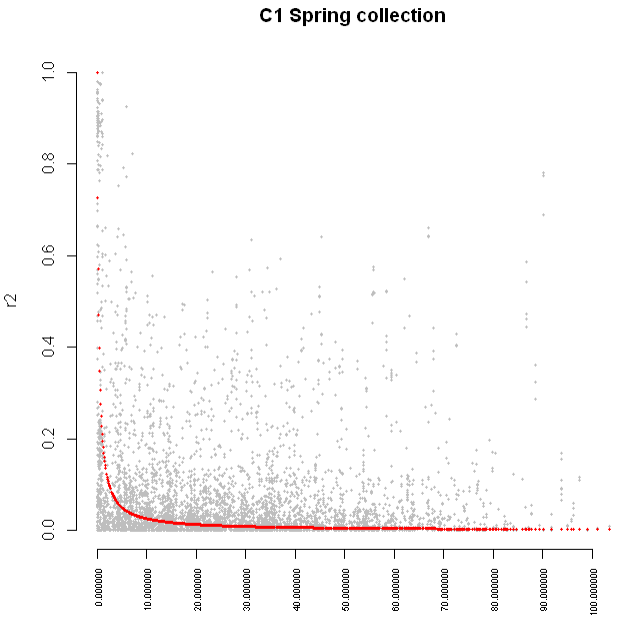
C1 Spring collection
r2
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0.8
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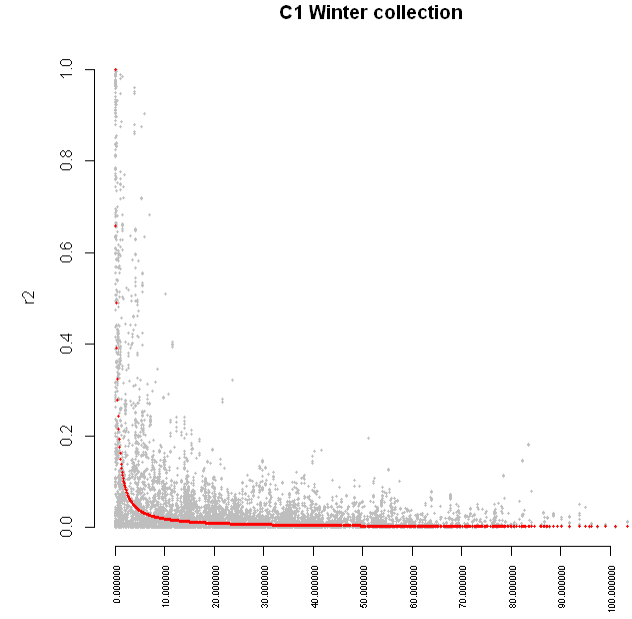
C1 Winter collection
r2
0.0
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0.6
0.8
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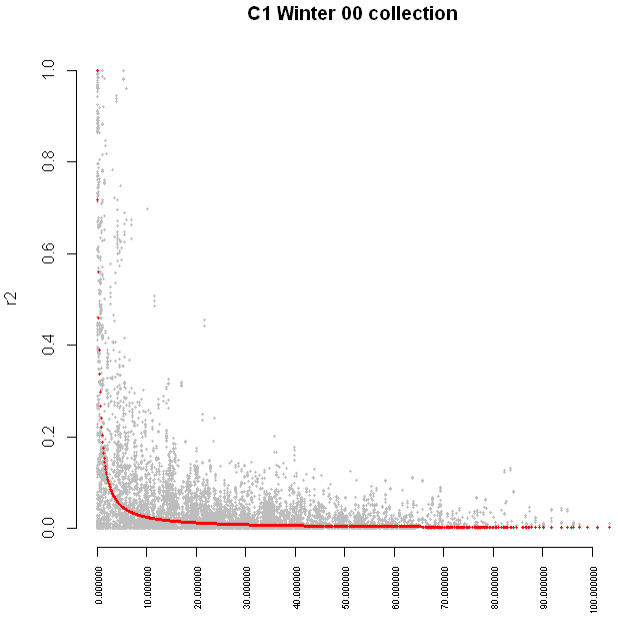
C1 Winter 00 collection
r2
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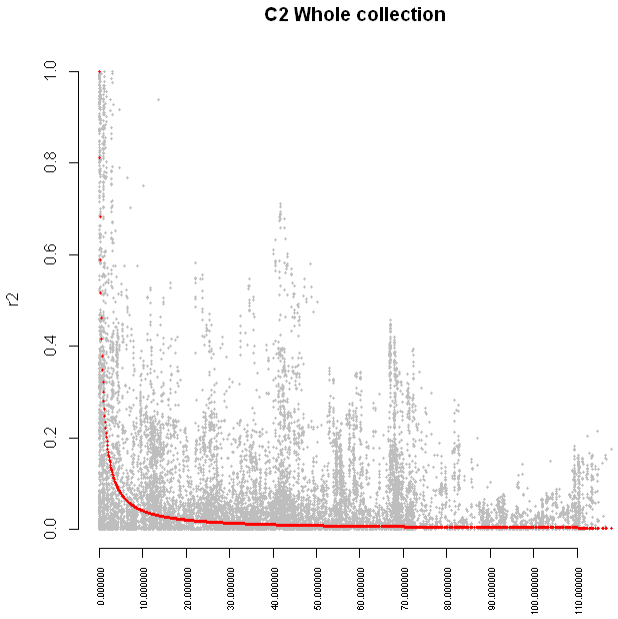
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r2
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0.2
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0.8
1.0
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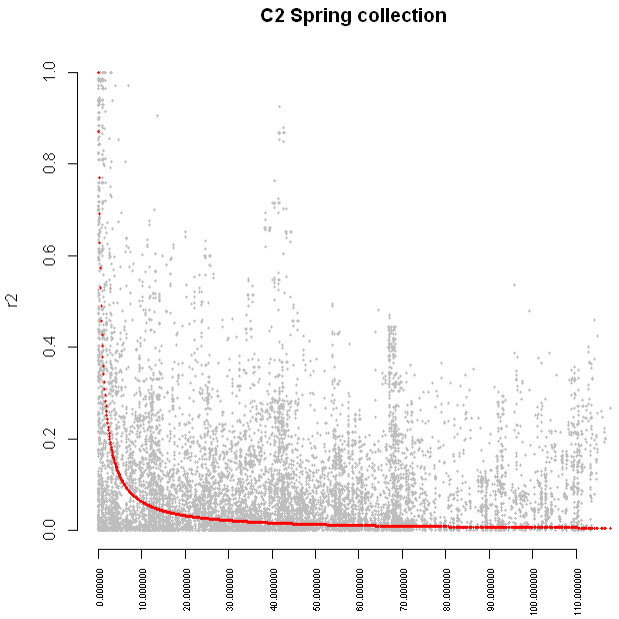
C2 Spring collection
r2
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0.8
1.0
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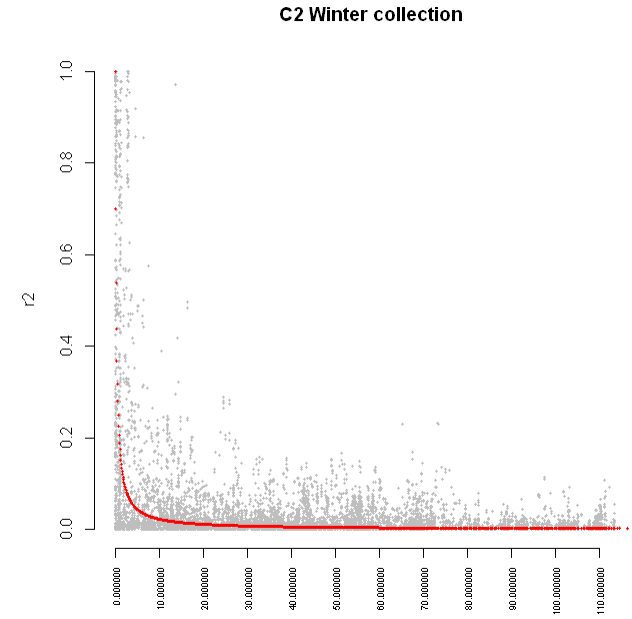
C2 Winter collection
r2
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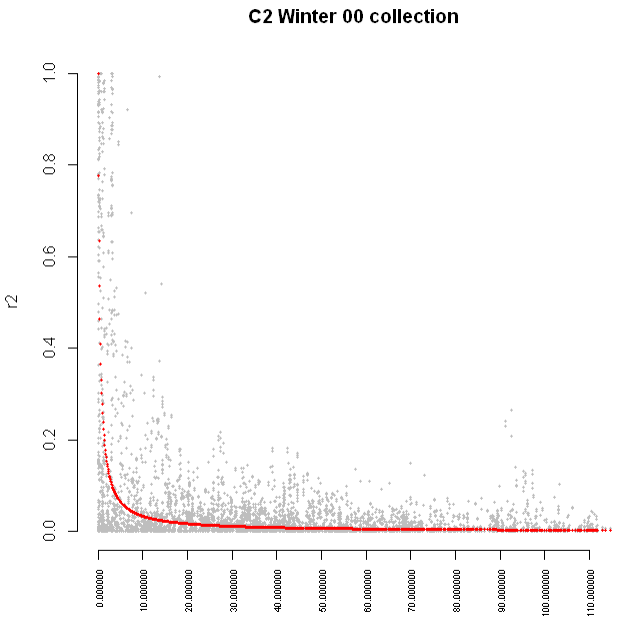
C2 Winter 00 collection
r2
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0.2
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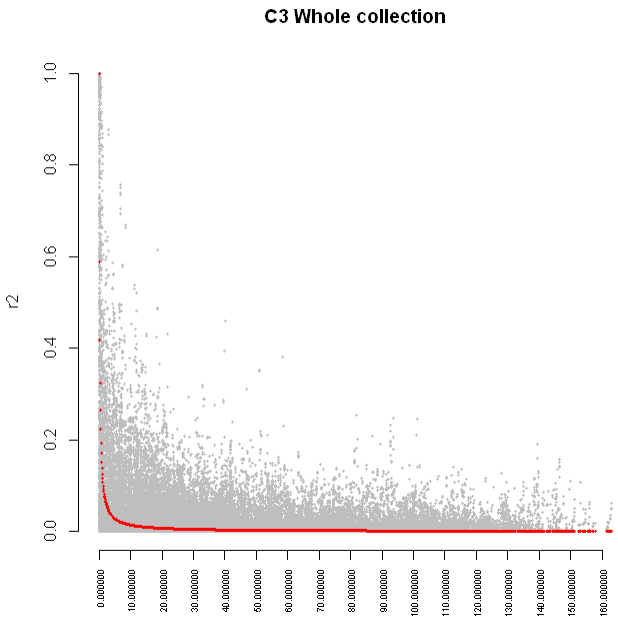
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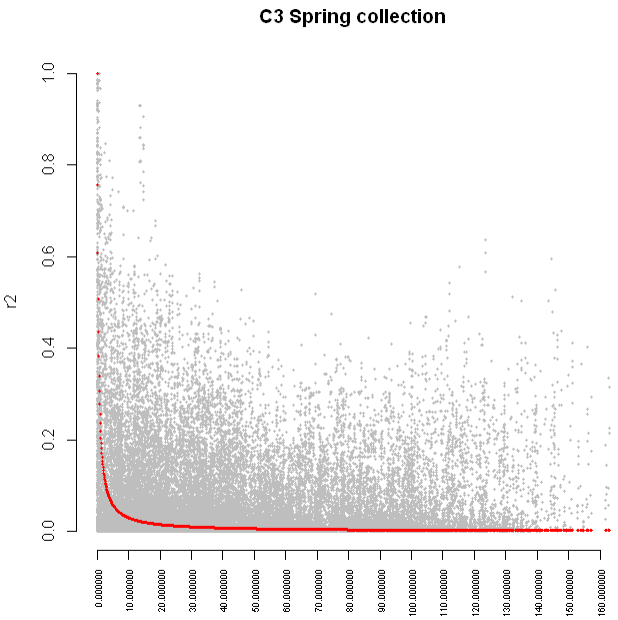
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r2
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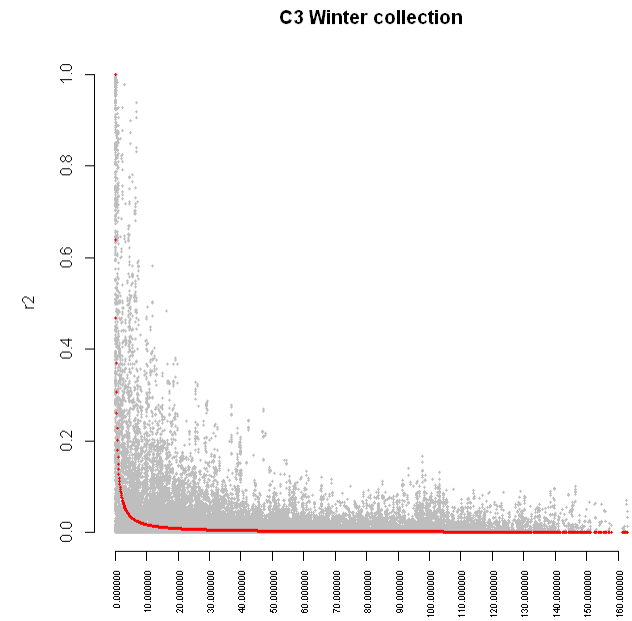
C3 Winter collection
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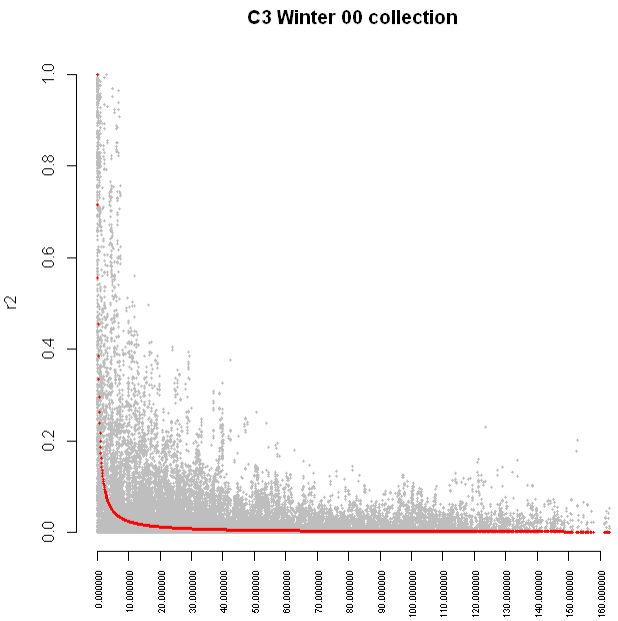
C3 Winter 00 collection
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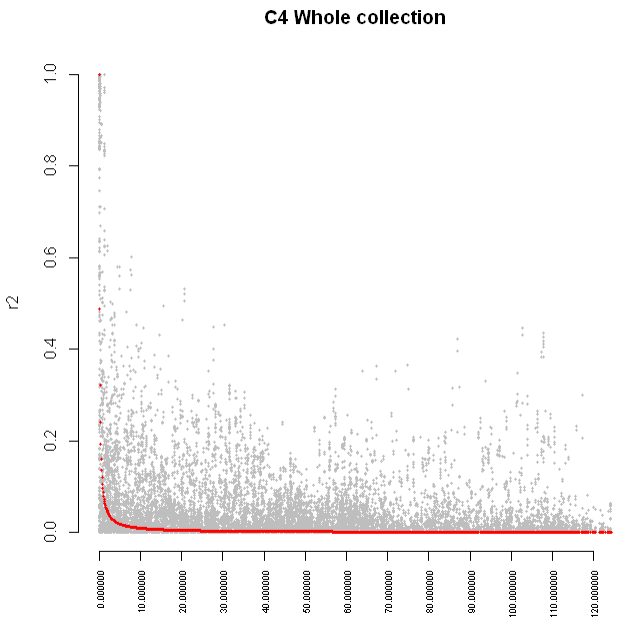
C4 Whole collection
r2
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0.2
0.4
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0.8
1.0
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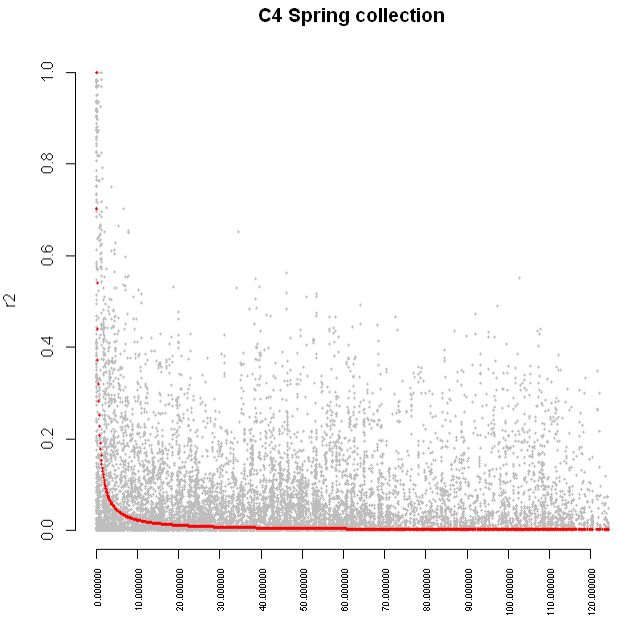
C4 Spring collection
r2
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0.4
0.6
0.8
1.0
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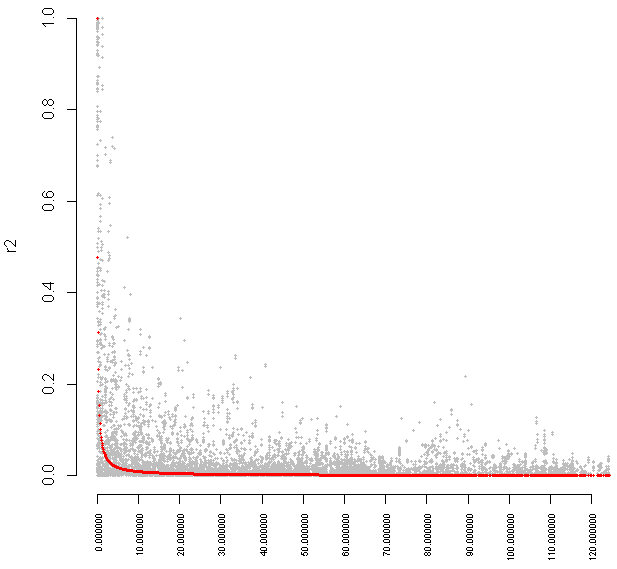
C4 Winter collection
r2
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0.4
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0.8
1.0
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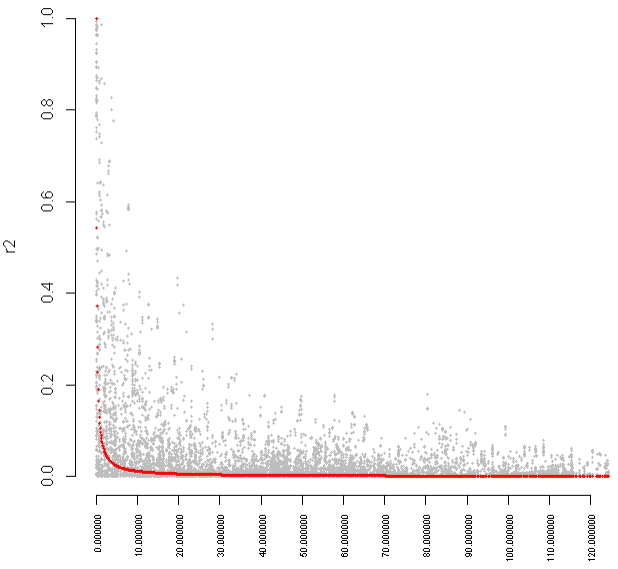
C4 Winter 00 collection
r2
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0.2
0.4
0.6
0.8
1.0
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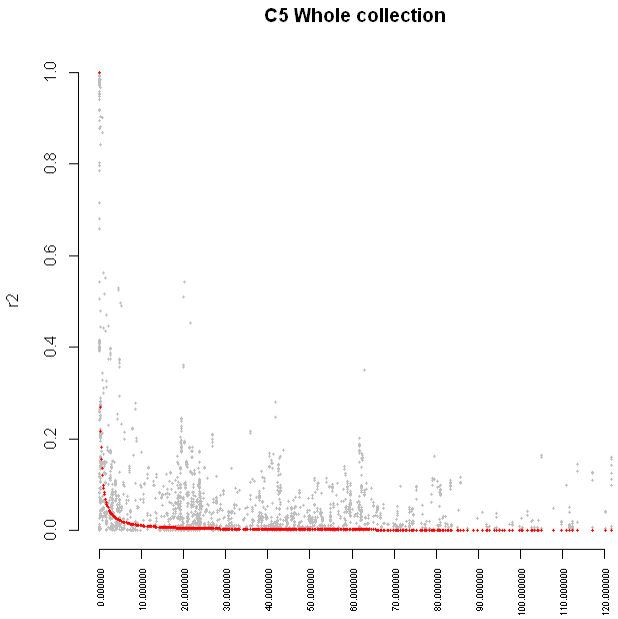
C5 Whole collection
r2
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0.2
0.4
0.6
0.8
1.0
0.000000
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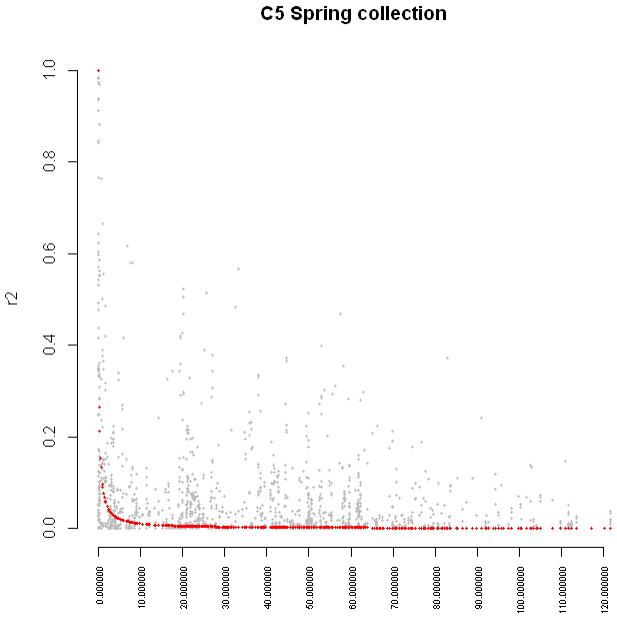
C5 Spring collection
r2
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0.4
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0.8
1.0
0.000000
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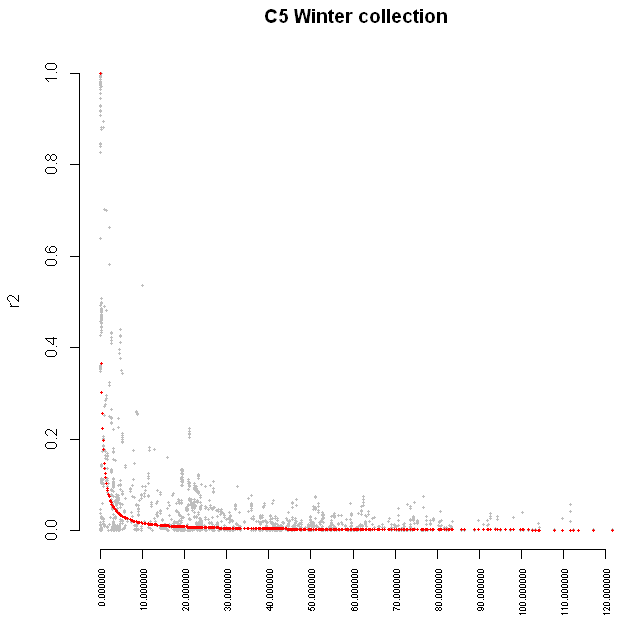
C5 Winter collection
r2
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0.4
0.6
0.8
1.0
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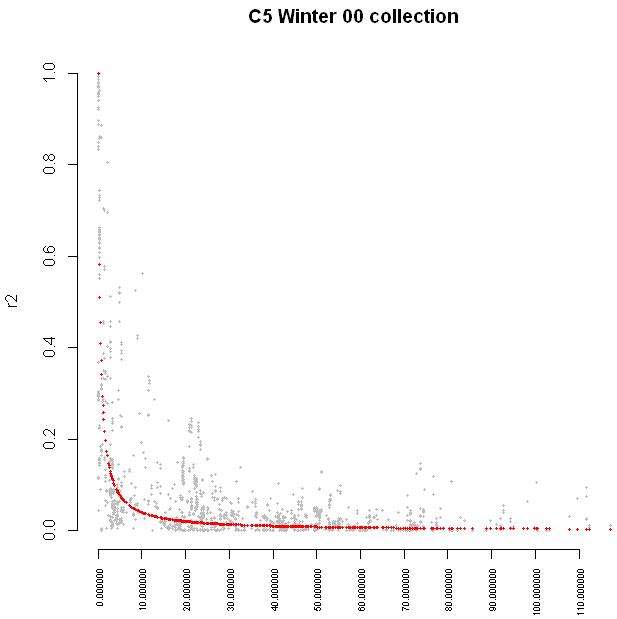
C5 Winter 00 collection
r2
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0.4
0.6
0.8
1.0
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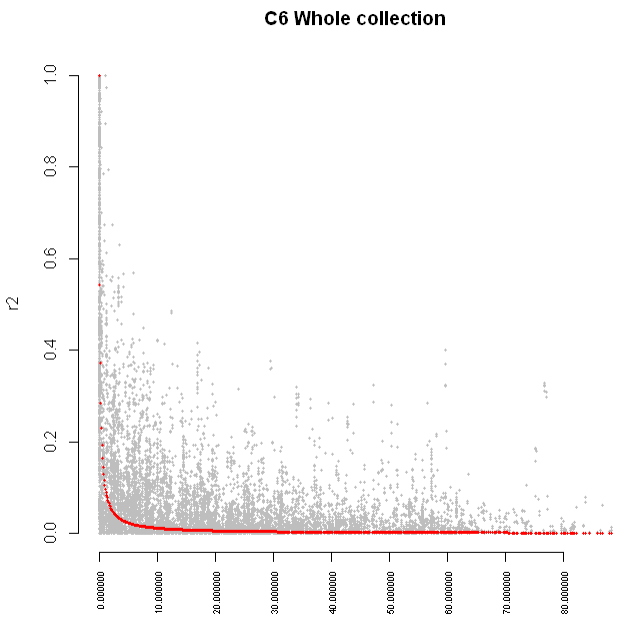
C6 Whole collection
r2
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0.2
0.4
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0.8
1.0
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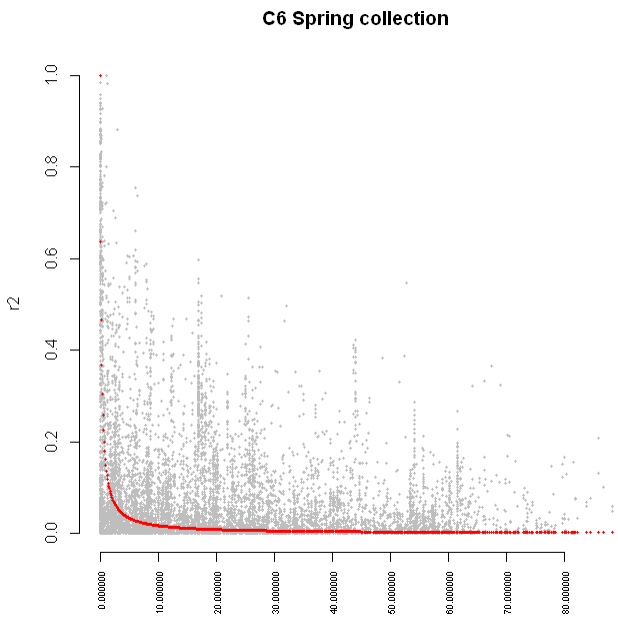
C6 Spring collection
r2
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0.2
0.4
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1.0
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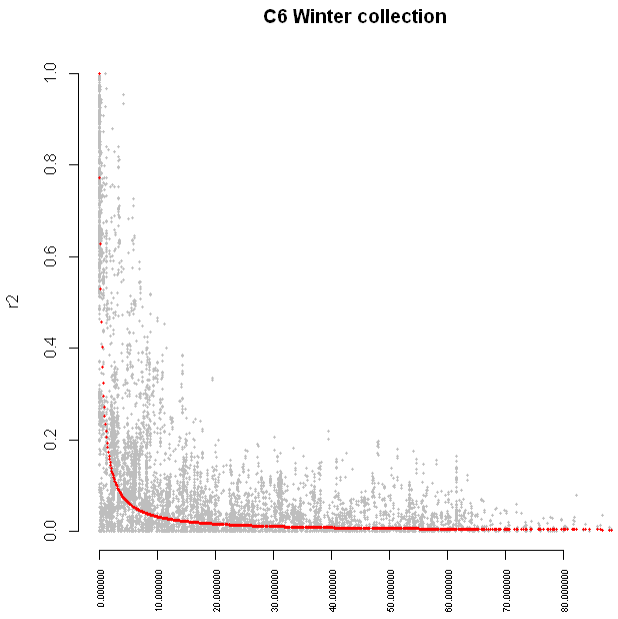
C6 Winter collection
r2
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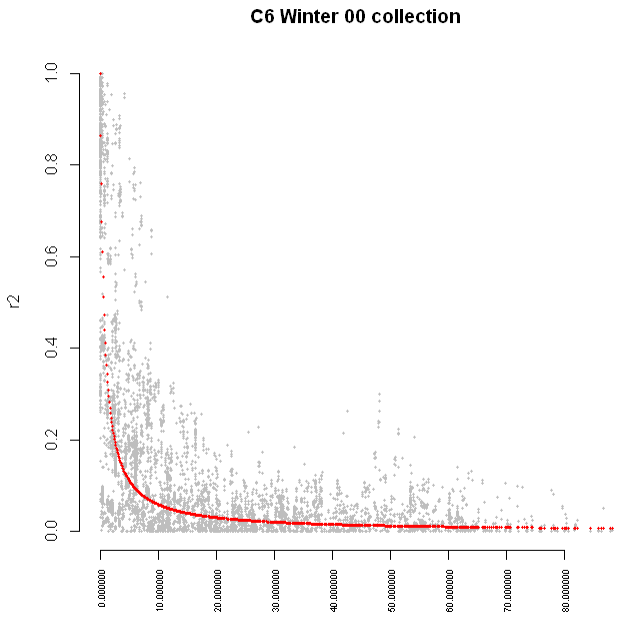
C6 Winter 00 collection
r2
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1.0
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20.000000
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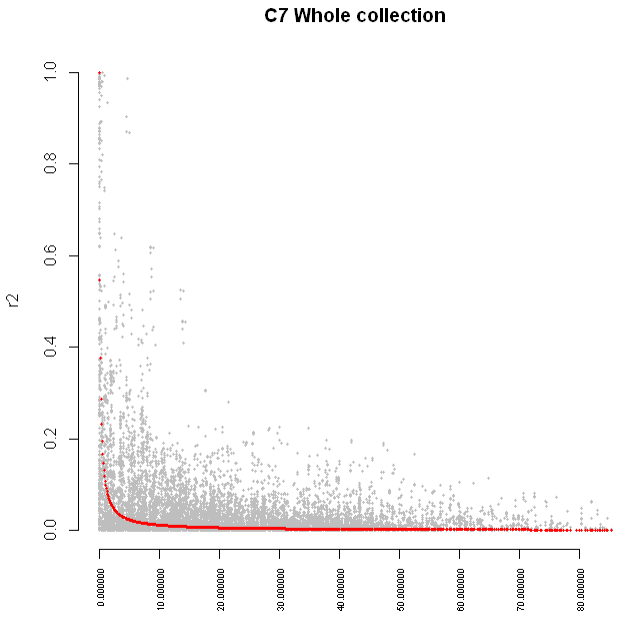
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r2
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0.2
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0.8
1.0
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40.000000
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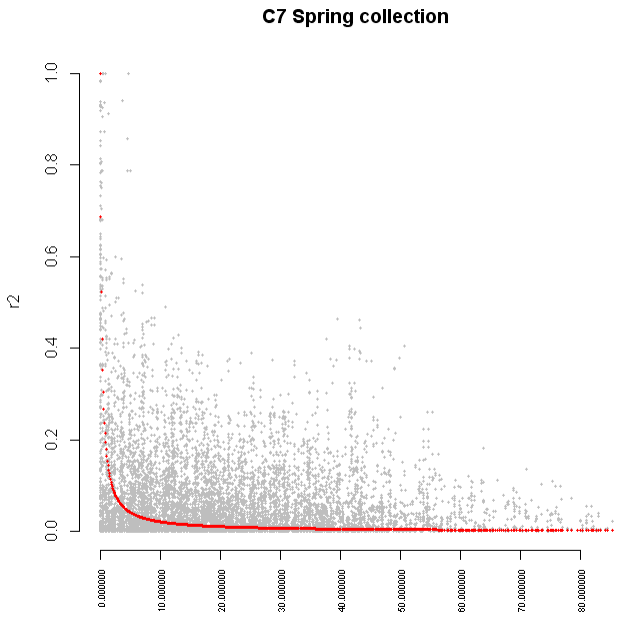
C7 Spring collection
r2
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0.2
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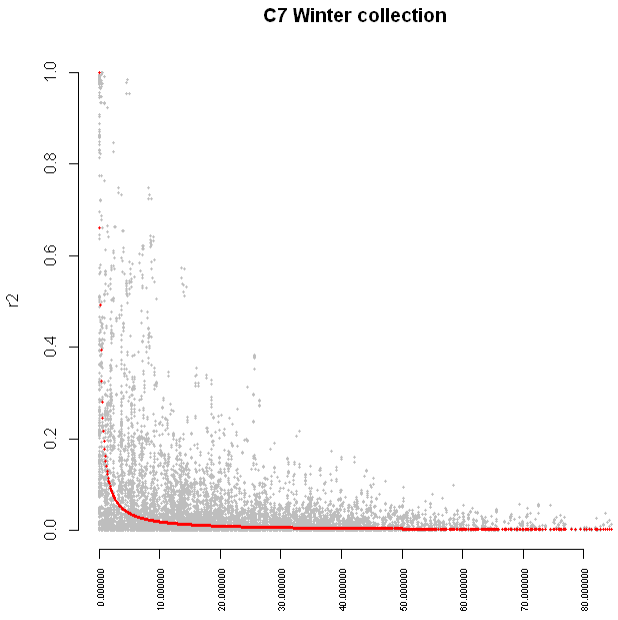
C7 Winter collection
r2
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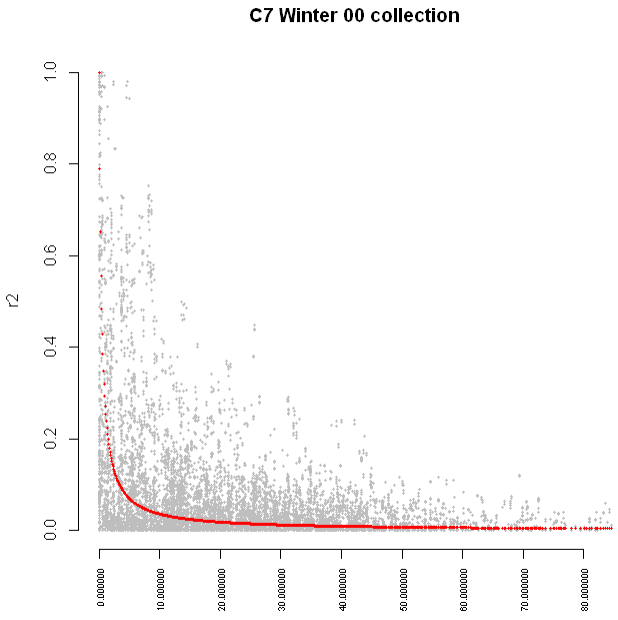
C7 Winter 00 collection
r2
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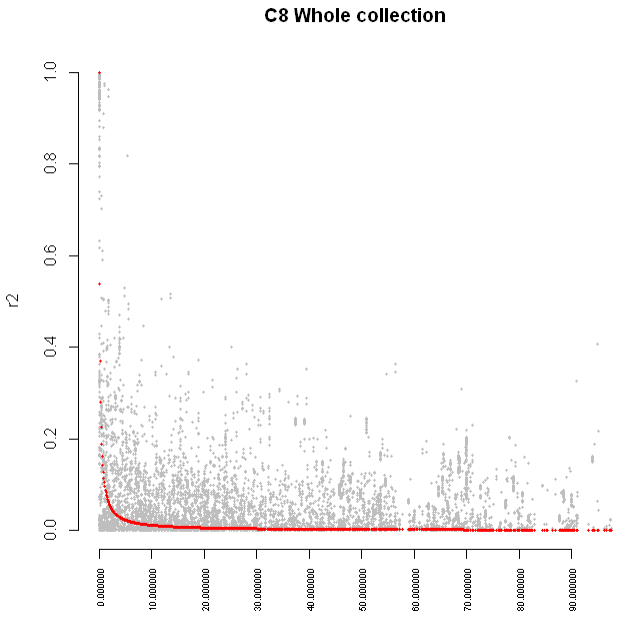
C8 Whole collection
r2
0.0
0.2
0.4
0.6
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10.000000
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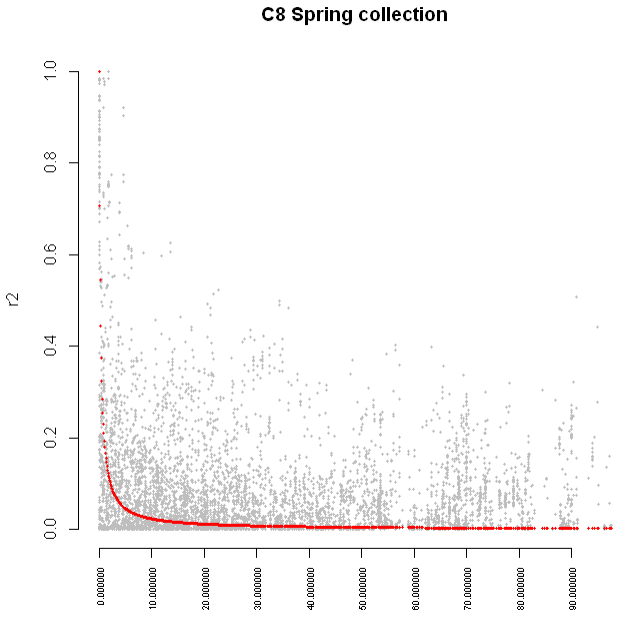
C8 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
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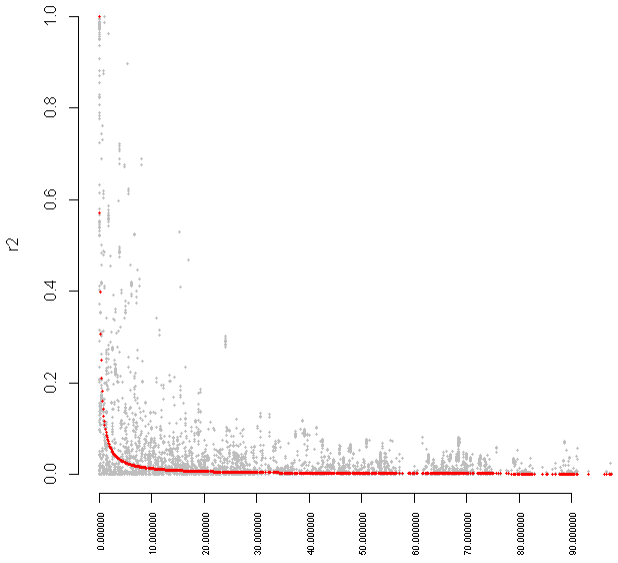
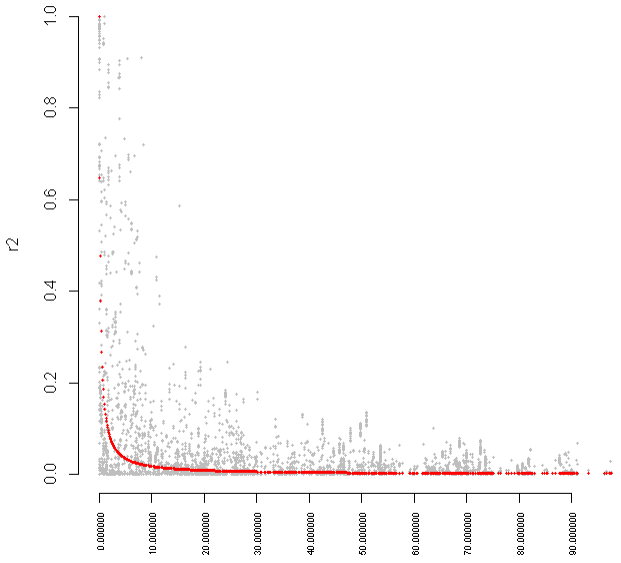
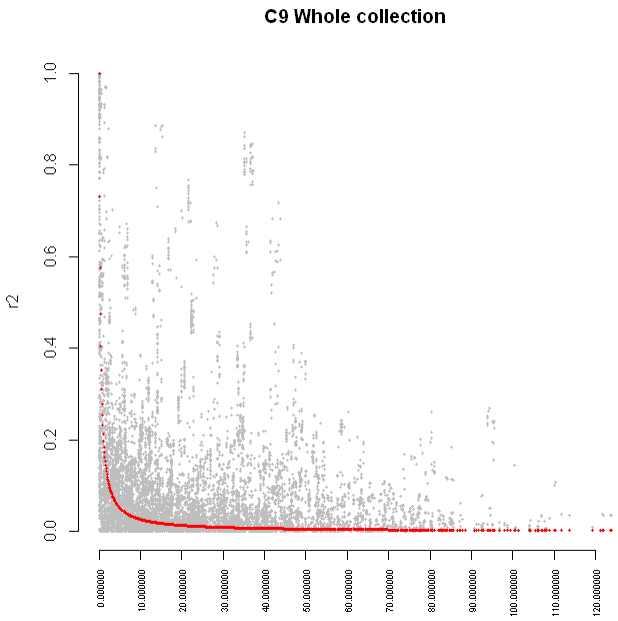
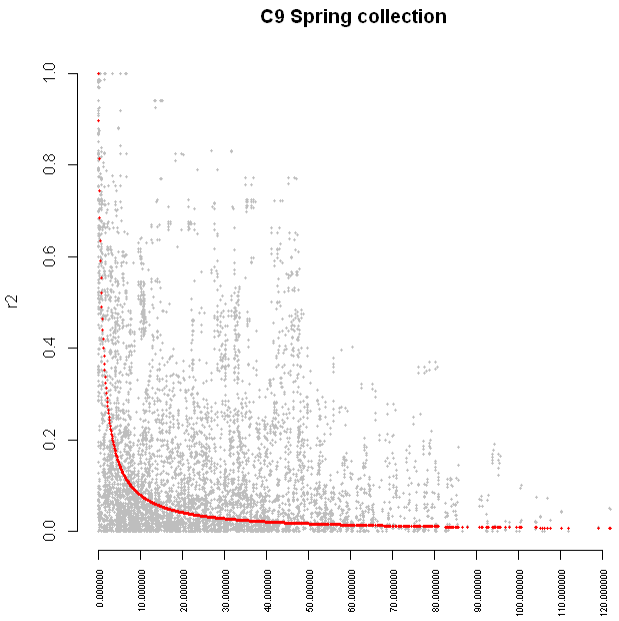
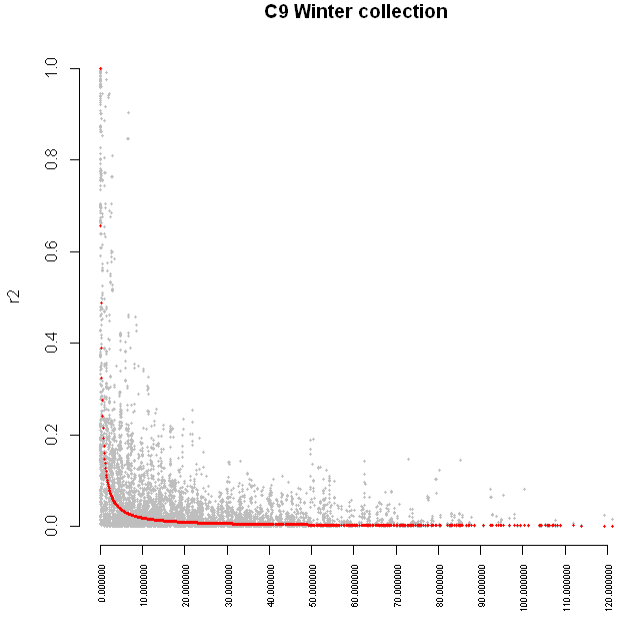
80.000000
90.000000

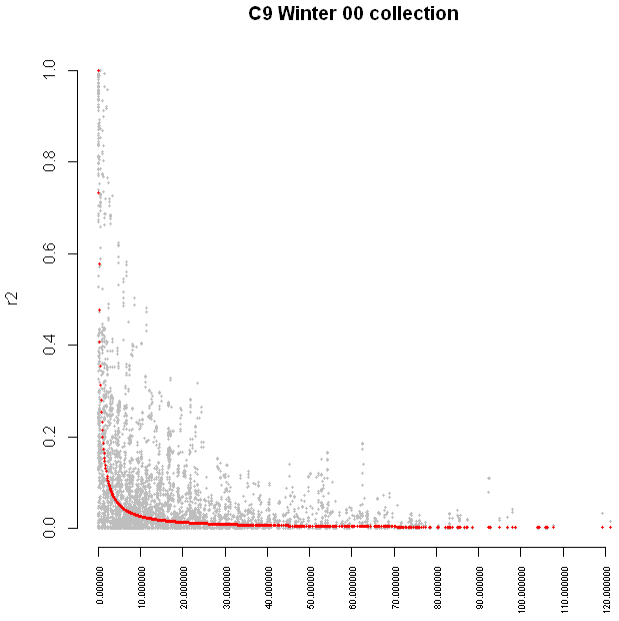

C8 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000


C8 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000


C9 Whole collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000
110.000000
120.000000


C9 Spring collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000
110.000000
120.000000


C9 Winter collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000
110.000000
120.000000


C9 Winter 00 collection
r2
0.0
0.2
0.4
0.6
0.8
1.0
0.000000
10.000000
20.000000
30.000000
40.000000
50.000000
60.000000
70.000000
80.000000
90.000000
100.000000
110.000000
120.000000