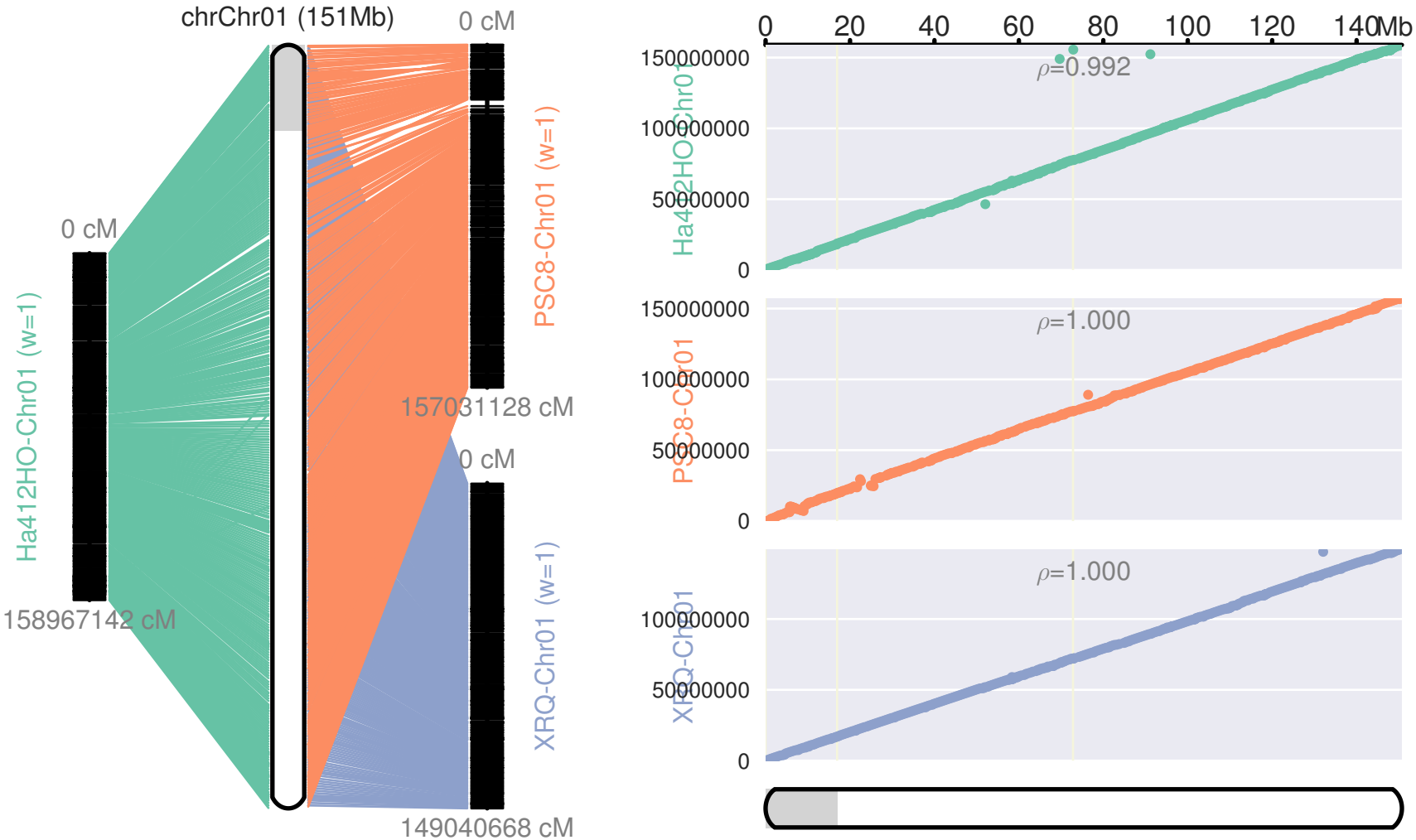
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0 cM
Ha412HO-Chr01 (w=1)
158967142 cM
PSC8-Chr01 (w=1)
157031128 cM
0 cM
XRQ-Chr01 (w=1)
149040668 cM
0
20
40
60
80
100
120
140Mb
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100000000
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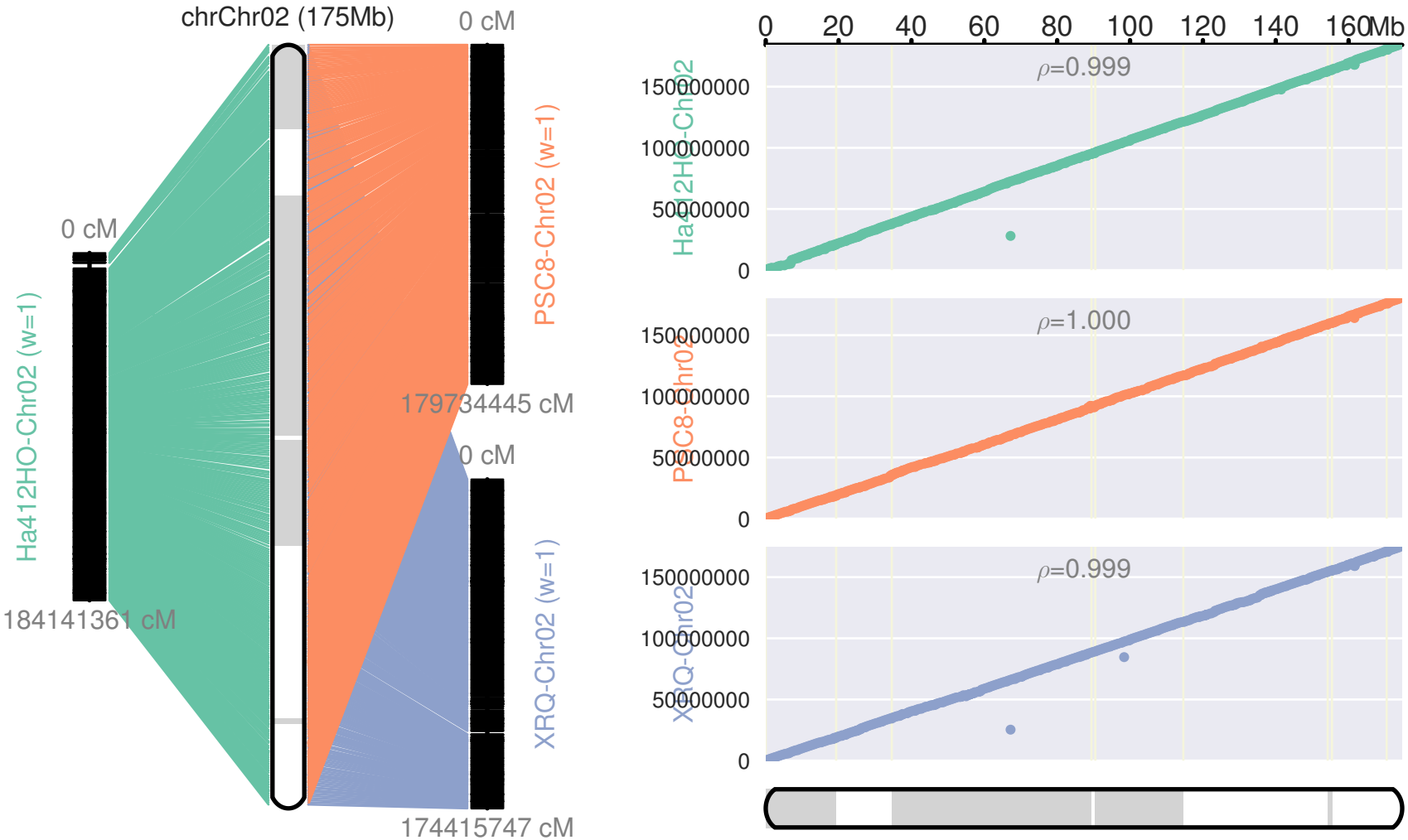
0
ρ=0.992
Ha412HO-Chr01
ρ=1.000
PSC8-Chr01
ρ=1.000
XRQ-Chr01


chrChr02 (175Mb)
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0 cM
Ha412HO-Chr02 (w=1)
184141361 cM
PSC8-Chr02 (w=1)
179734445 cM
0 cM
XRQ-Chr02 (w=1)
174415747 cM
0
20
40
60
80
100
120
140
160Mb
ρ=0.999
Ha412HO-Chr02
150000000
100000000
50000000
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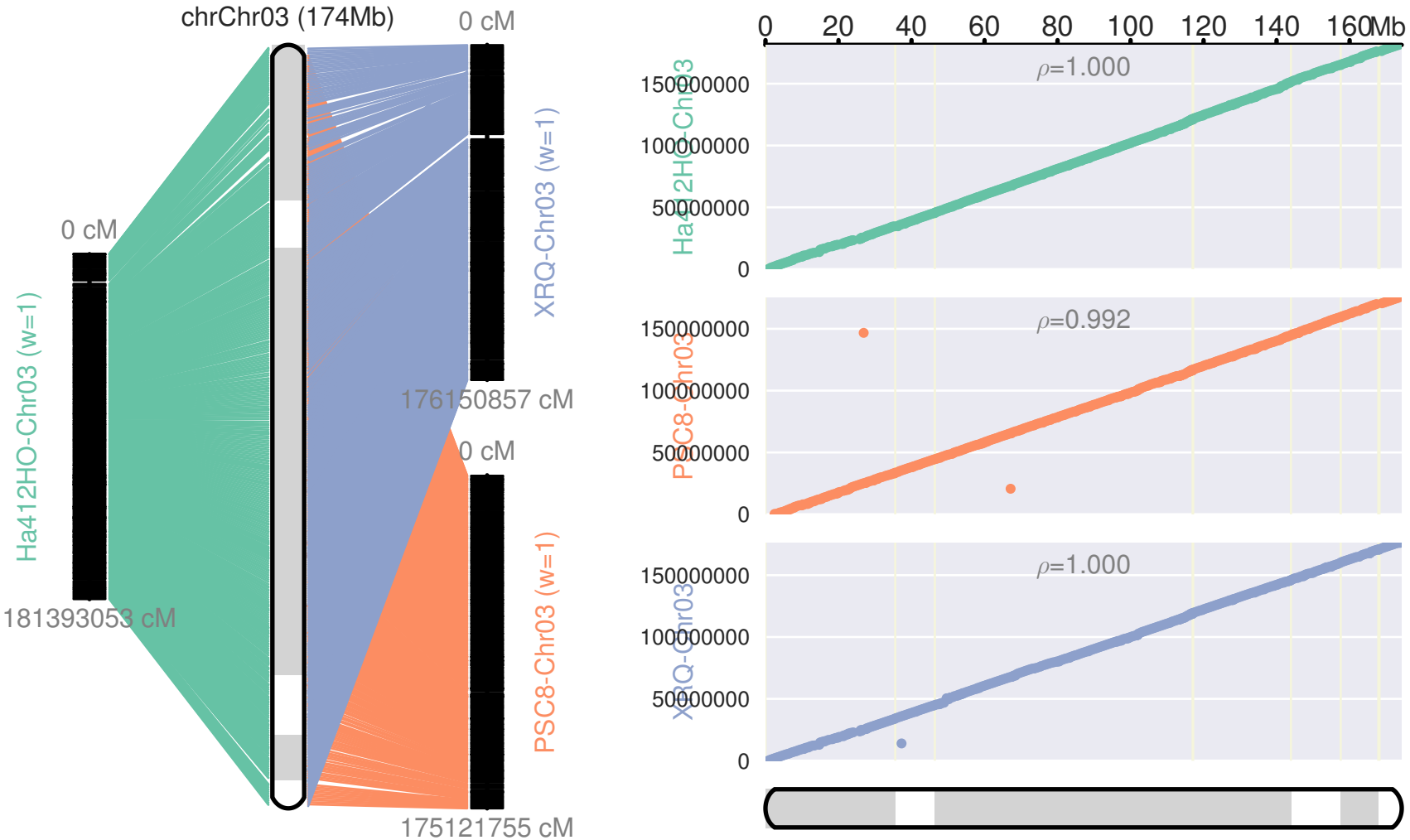
ρ=1.000
PSC8-Chr02
150000000
100000000
50000000
0
ρ=0.999
XRQ-Chr02
150000000
100000000
50000000
0


chrChr03 (174Mb)
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0 cM
Ha412HO-Chr03 (w=1)
181393053 cM
XRQ-Chr03 (w=1)
176150857 cM
0 cM
PSC8-Chr03 (w=1)
175121755 cM
0
20
40
60
80
100
120
140
160Mb
Ha412HO-Chr03
ρ=1.000
PSC8-Chr03
ρ=0.992
XRQ-Chr03
ρ=1.000
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100000000
50000000
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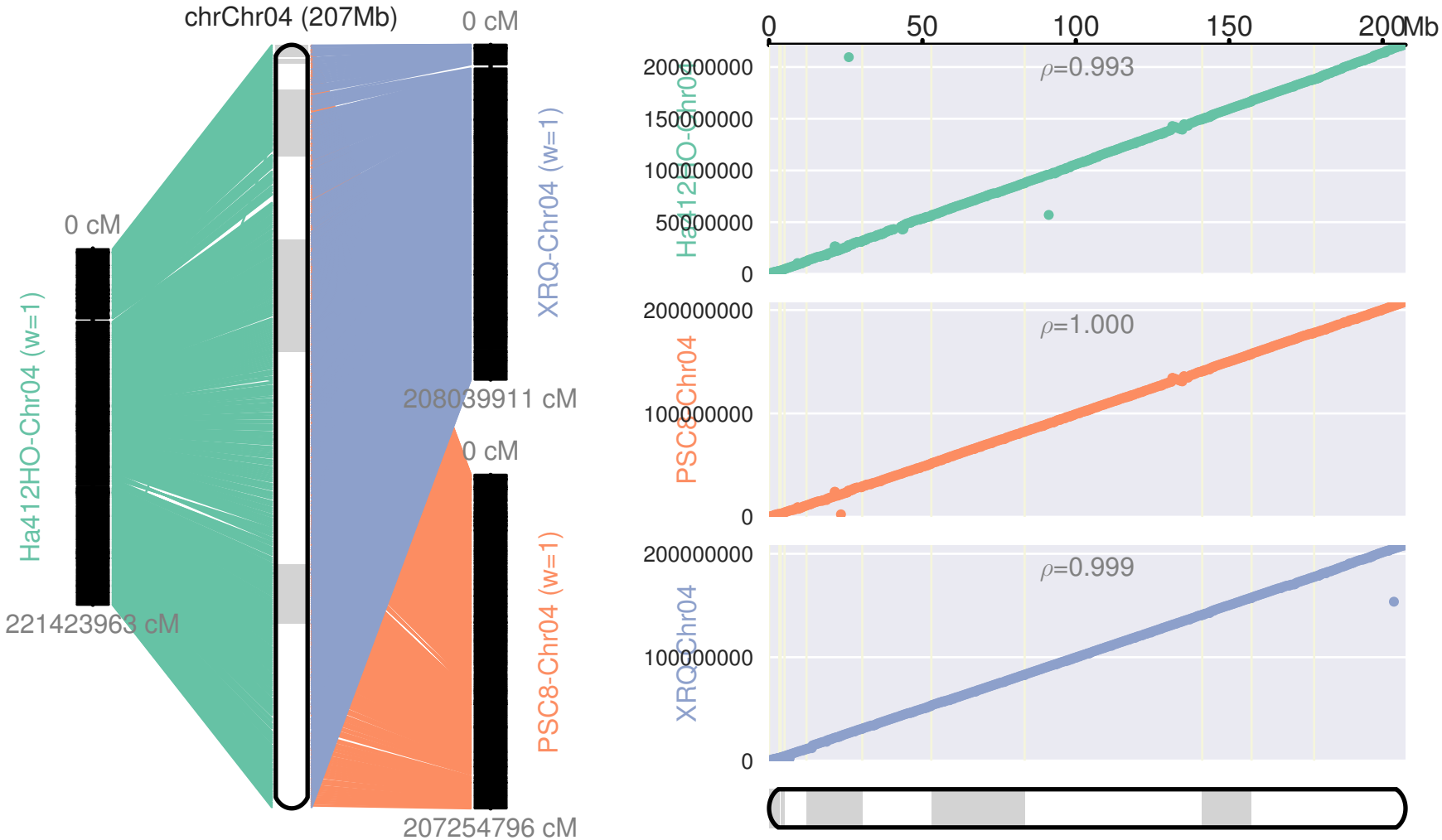
chrChr04 (207Mb)
0 cM
0 cM
Ha412HO-Chr04 (w=1)
221423963 cM
XRQ-Chr04 (w=1)
208039911 cM
0 cM
PSC8-Chr04 (w=1)
207254796 cM
0
50
100
150
200Mb
200000000
150000000
100000000
50000000
0
ρ=0.993
Ha412HO-Chr04
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100000000
0
ρ=1.000
PSC8-Chr04
200000000
100000000
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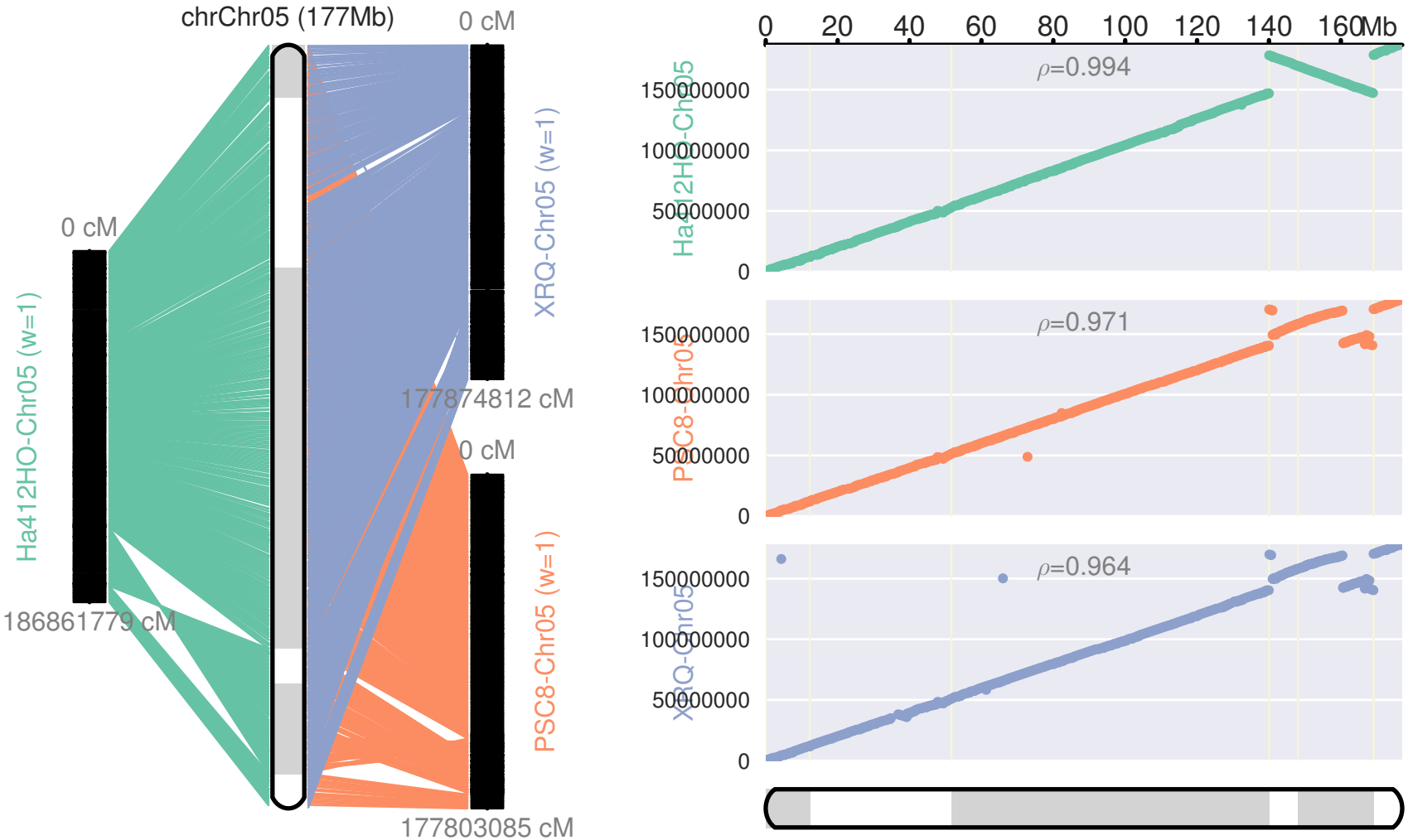
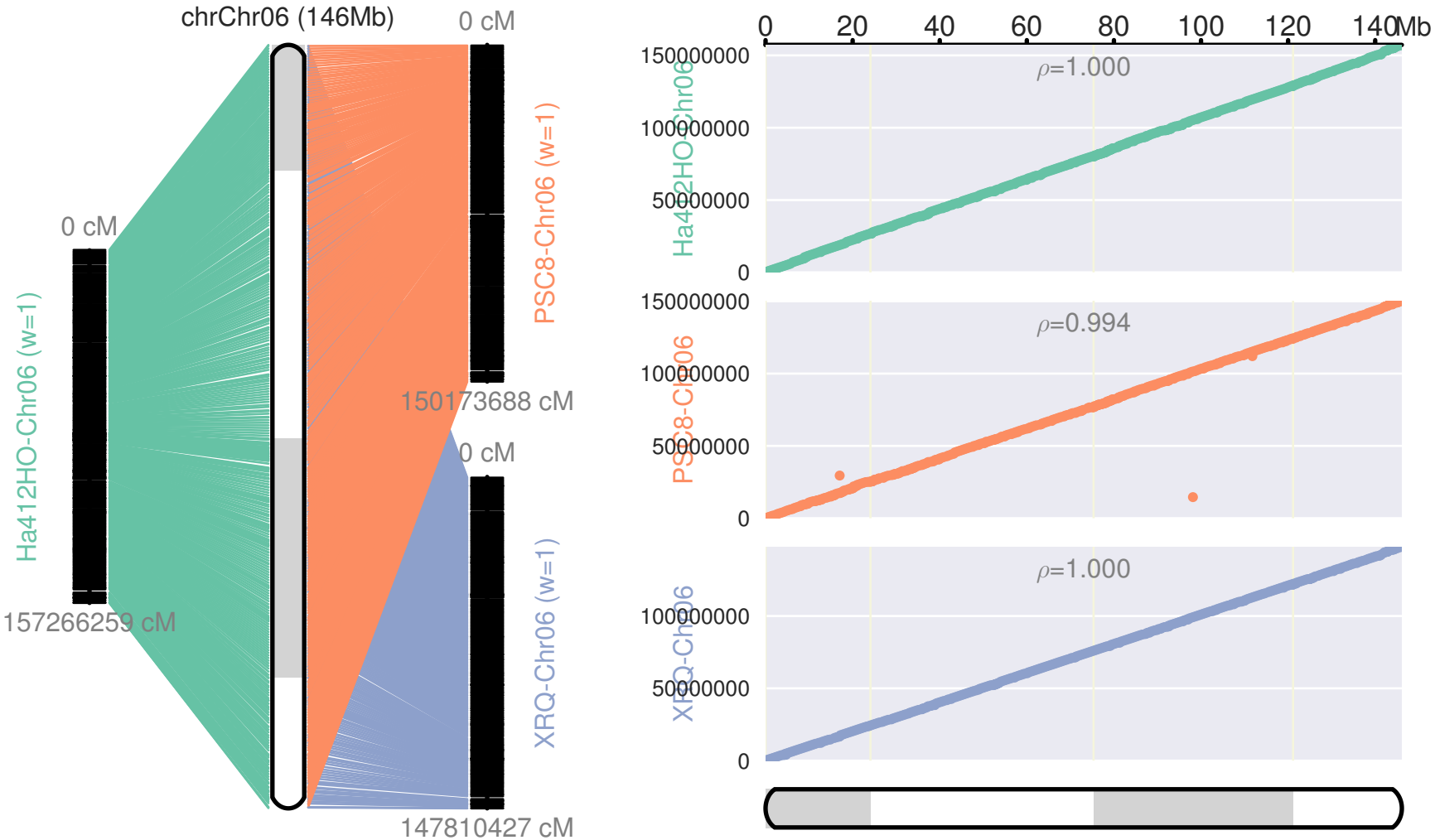
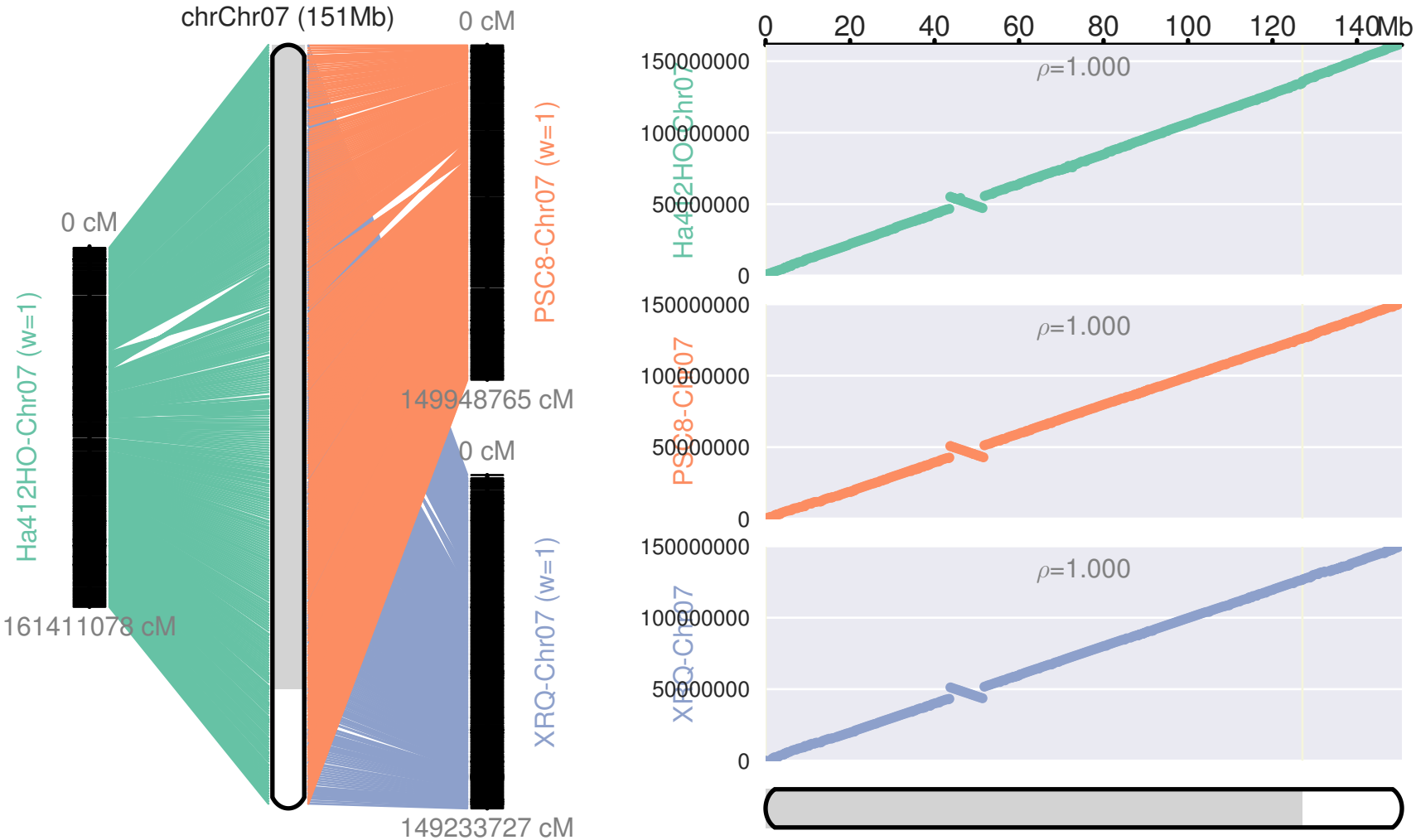
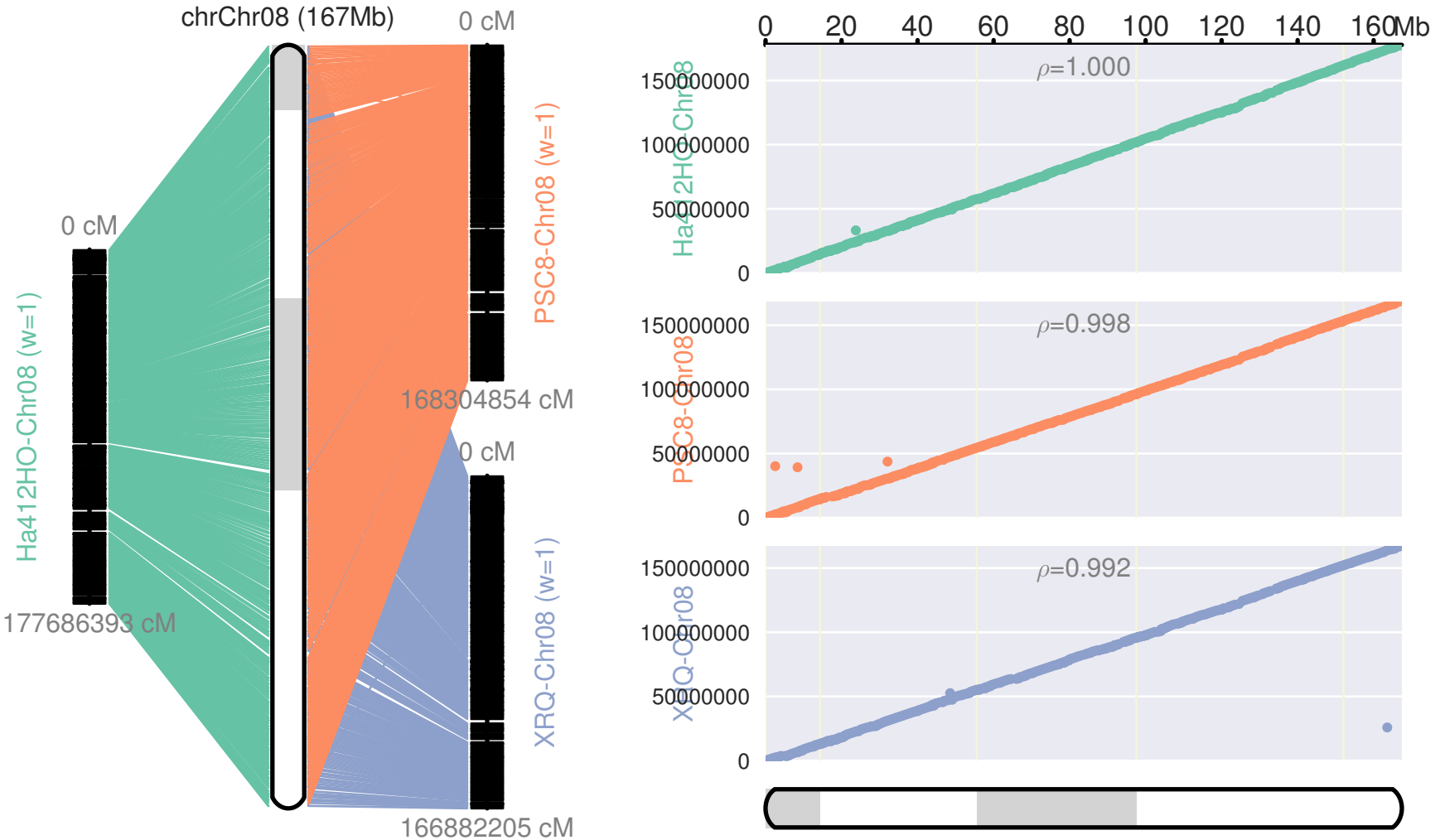
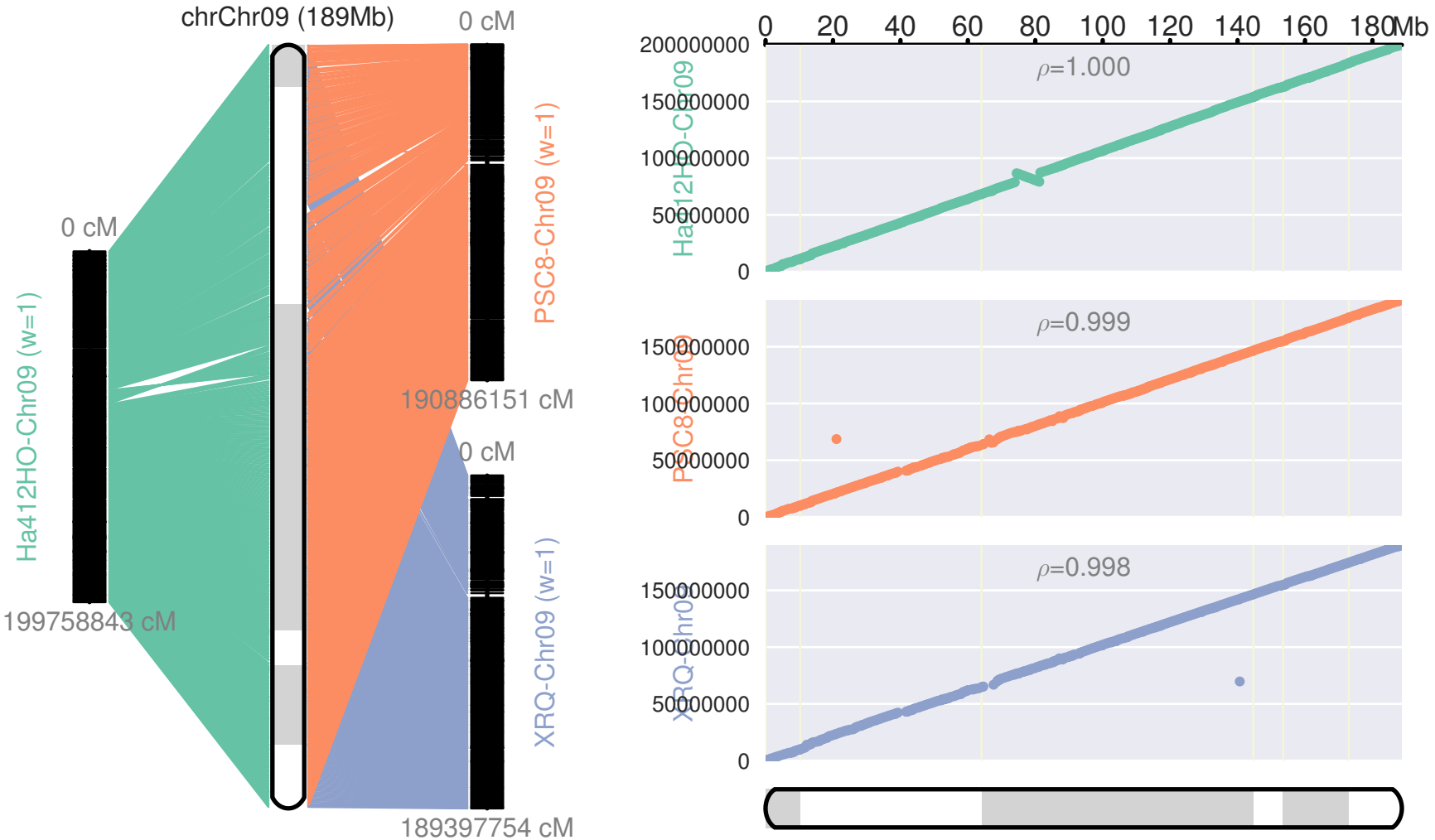
ρ=0.999
XRQ-Chr04

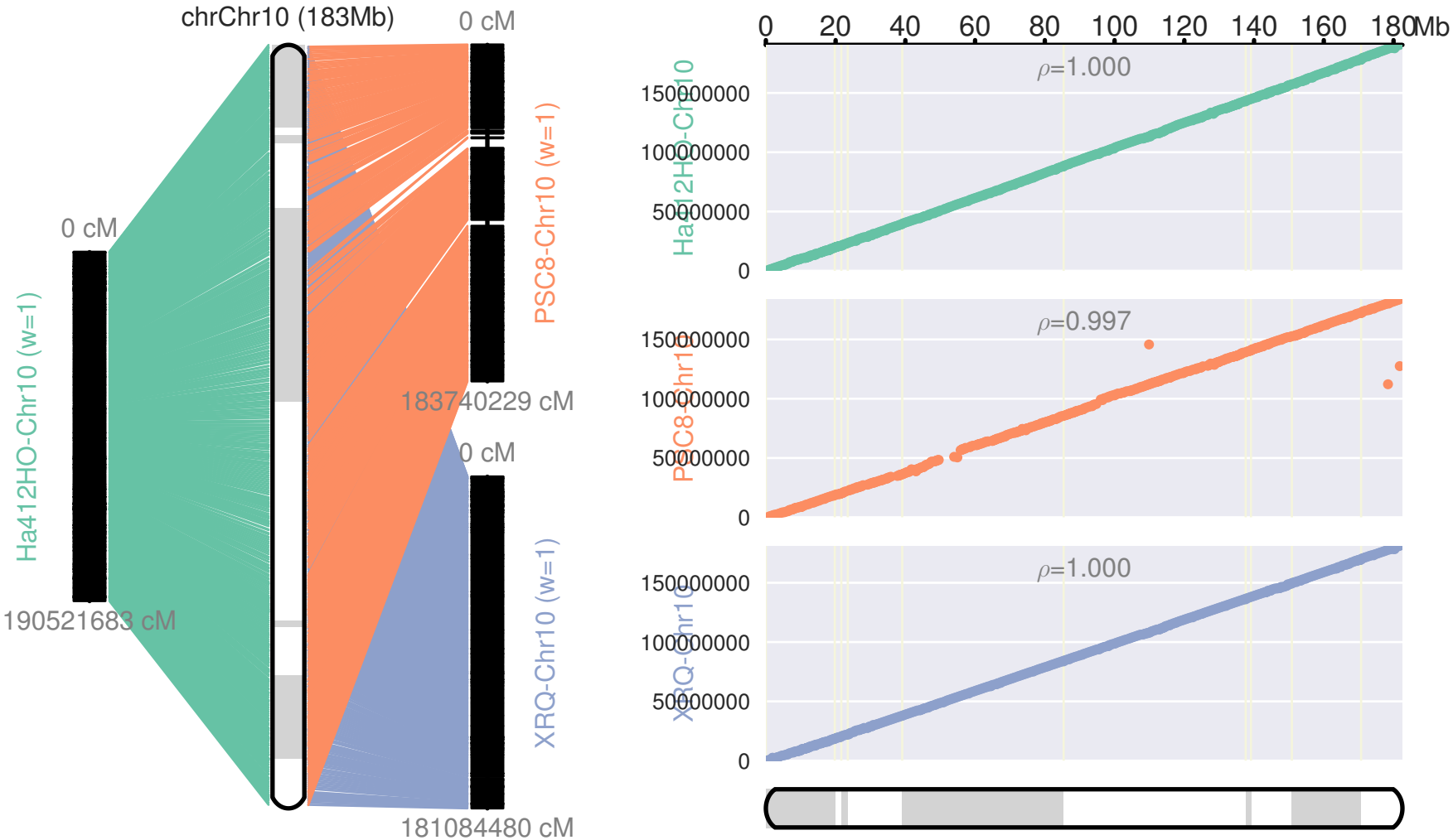

chrChr05 (177Mb)
0 cM
0 cM
Ha412HO-Chr05 (w=1)
186861779 cM
XRQ-Chr05 (w=1)
177874812 cM
0 cM
PSC8-Chr05 (w=1)
177803085 cM
0
20
40
60
80
100
120
140
160Mb
ρ=0.994
ρ=0.971
ρ=0.964
150000000
100000000
50000000
0
Ha412HO-Chr05
PSC8-Chr05
XRQ-Chr05

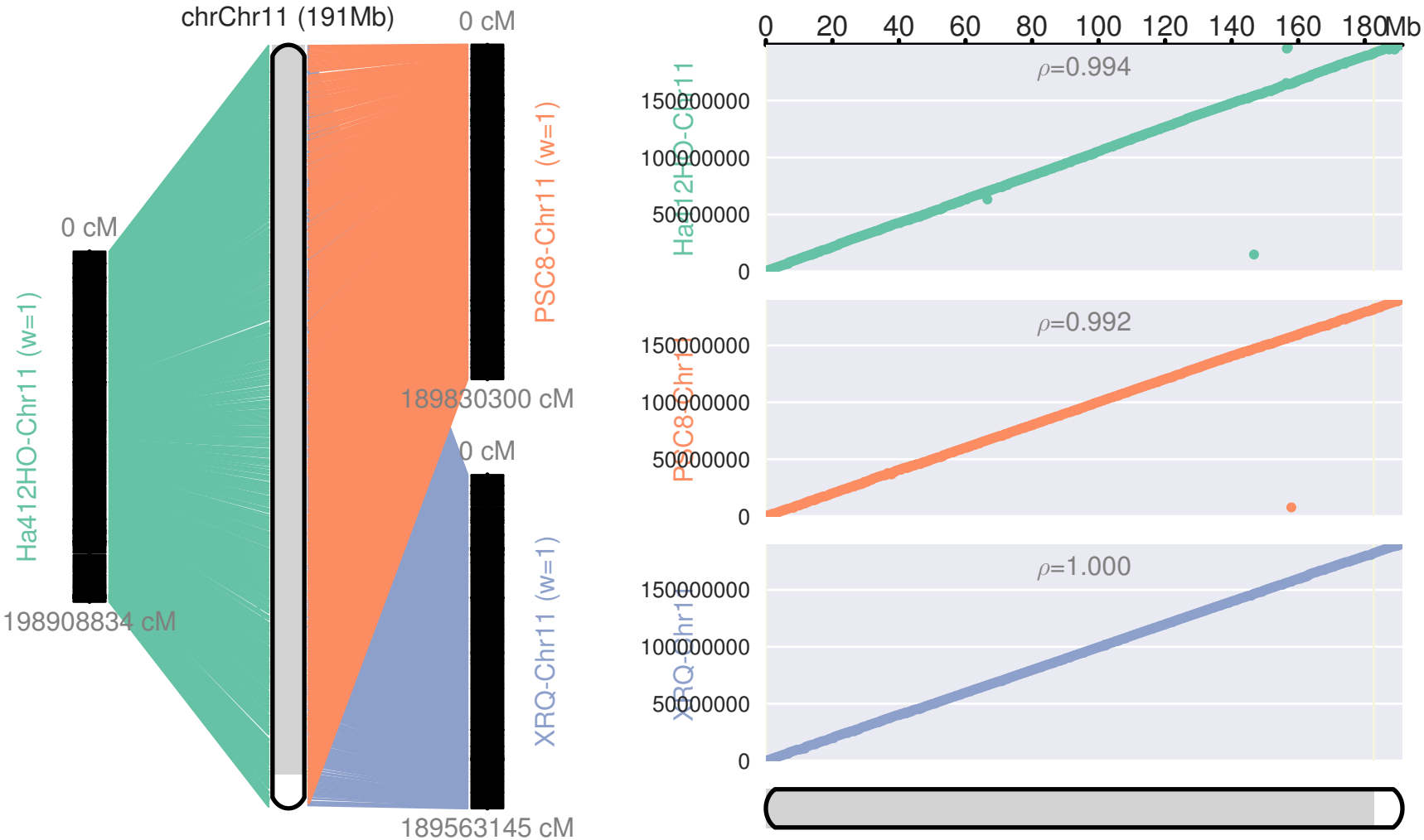

chrChr06 (146Mb)
0 cM
0 cM
Ha412HO-Chr06 (w=1)
157266259 cM
PSC8-Chr06 (w=1)
150173688 cM
0 cM
XRQ-Chr06 (w=1)
147810427 cM
0
20
40
60
80
100
120
140Mb
150000000
100000000
50000000
0
Ha412HO-Chr06
ρ=1.000
PSC8-Chr06
ρ=0.994
XRQ-Chr06
ρ=1.000


chrChr07 (151Mb)
0 cM
PSC8-Chr07 (w=1)
149948765 cM
0 cM
Ha412HO-Chr07 (w=1)
161411078 cM
0 cM
XRQ-Chr07 (w=1)
149233727 cM
0
20
40
60
80
100
120
140Mb
150000000
100000000
50000000
0
ρ=1.000
Ha412HO-Chr07
PSC8-Chr07
XRQ-Chr07


chrChr08 (167Mb)
0 cM
0 cM
Ha412HO-Chr08 (w=1)
177686393 cM
PSC8-Chr08 (w=1)
168304854 cM
0 cM
XRQ-Chr08 (w=1)
166882205 cM
0
20
40
60
80
100
120
140
160Mb
150000000
100000000
50000000
0
ρ=1.000
Ha412HO-Chr08
ρ=0.998
PSC8-Chr08
ρ=0.992
XRQ-Chr08


chrChr09 (189Mb)
0 cM
0 cM
Ha412HO-Chr09 (w=1)
199758843 cM
PSC8-Chr09 (w=1)
190886151 cM
0 cM
XRQ-Chr09 (w=1)
189397754 cM
0 20 40 60 80 100 120 140 160 180Mb
200000000
150000000
100000000
50000000
0
Ha412HO-Chr09
ρ=1.000
PSC8-Chr09
ρ=0.999
XRQ-Chr09
ρ=0.998


chrChr10 (183Mb)
0 cM
0 cM
Ha412HO-Chr10 (w=1)
190521683 cM
PSC8-Chr10 (w=1)
183740229 cM
0 cM
XRQ-Chr10 (w=1)
181084480 cM
0
20
40
60
80
100
120
140
160
180Mb
ρ=1.000
ρ=0.997
ρ=1.000
150000000
100000000
50000000
0


chrChr11 (191Mb)
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0 cM
Ha412HO-Chr11 (w=1)
198908834 cM
PSC8-Chr11 (w=1)
189830300 cM
0 cM
XRQ-Chr11 (w=1)
189563145 cM
0 20 40 60 80 100 120 140 160 180Mb
ρ=0.994
Ha412HO-Chr11
150000000
100000000
50000000
0
ρ=0.992
PSC8-Chr11
150000000
100000000
50000000
0
ρ=1.000
XRQ-Chr11
150000000
100000000
50000000
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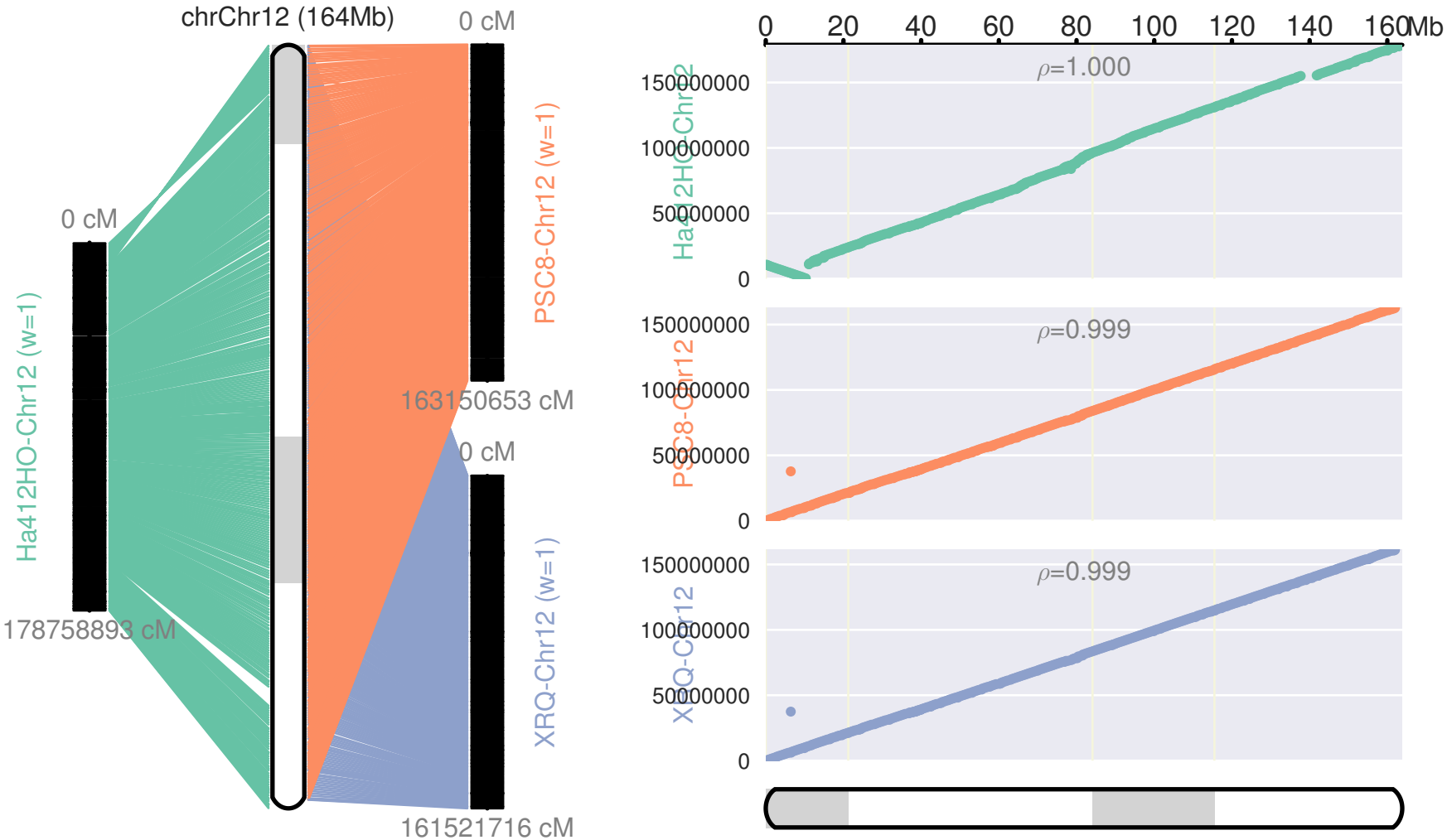
chrChr12 (164Mb)
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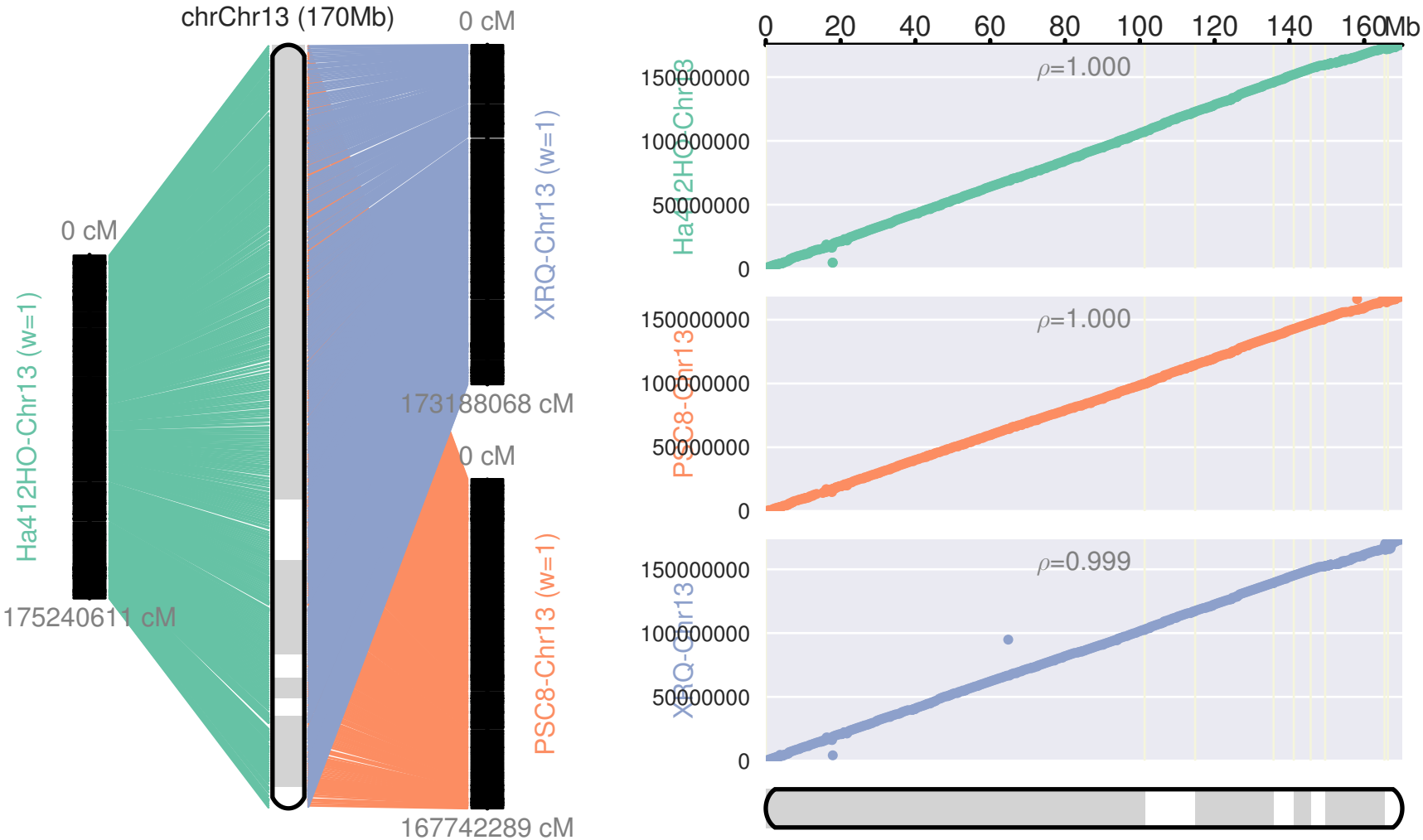
0 cM
Ha412HO-Chr12 (w=1)
178758893 cM
PSC8-Chr12 (w=1)
163150653 cM
0 cM
XRQ-Chr12 (w=1)
161521716 cM
0
20
40
60
80
100
120
140
160Mb
150000000
100000000
50000000
0
ρ=1.000
Ha412HO-Chr12
ρ=0.999
PSC8-Chr12
ρ=0.999
XRQ-Chr12


chrChr13 (170Mb)
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0 cM
Ha412HO-Chr13 (w=1)
XRQ-Chr13 (w=1)
173188068 cM
0 cM
175240611 cM
PSC8-Chr13 (w=1)
167742289 cM
0
20
40
60
80
100
120
140
160Mb
150000000
100000000
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0
ρ=1.000
Ha412HO-Chr13
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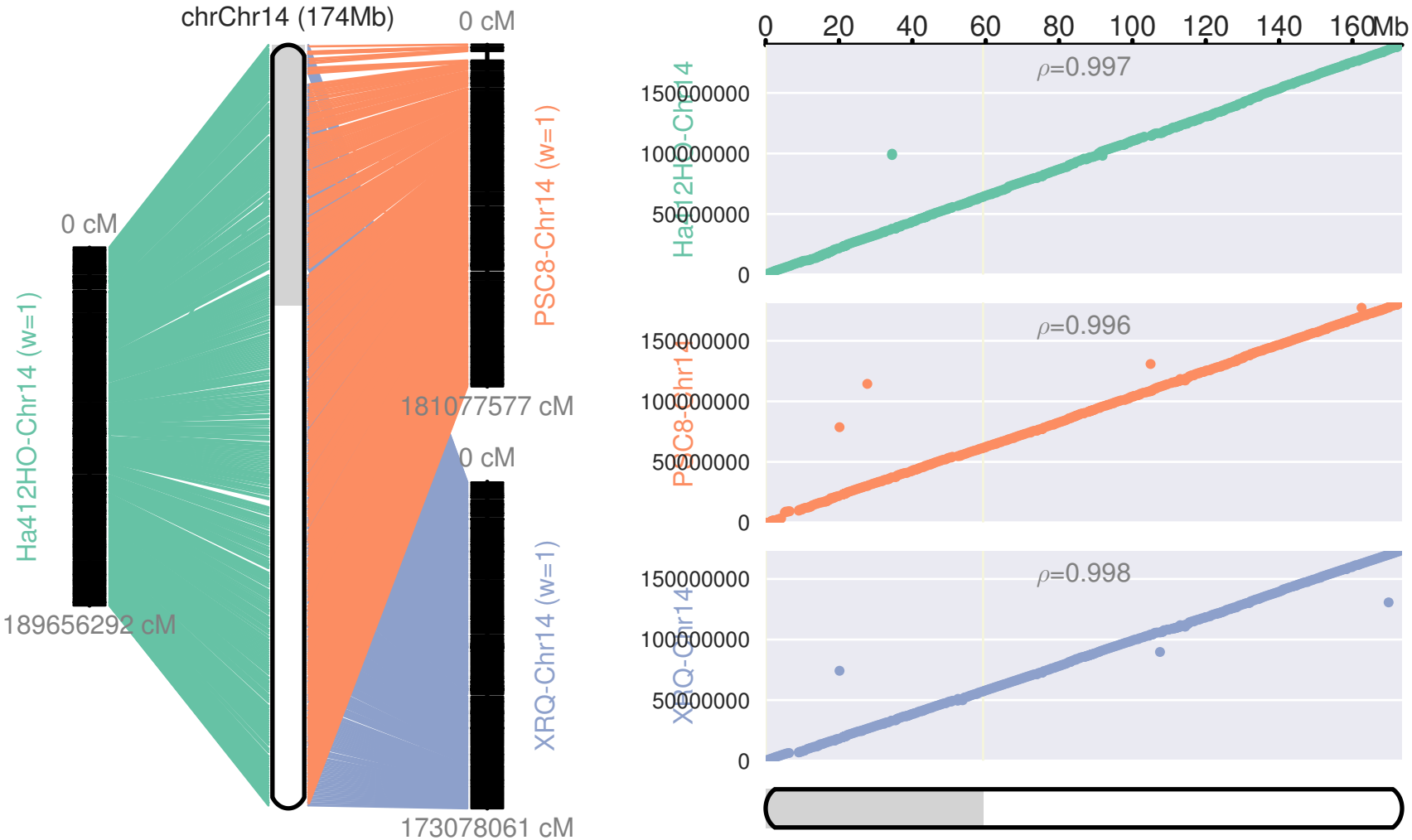
PSC8-Chr13
ρ=0.999
XRQ-Chr13


chrChr14 (174Mb)
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0 cM
Ha412HO-Chr14 (w=1)
189656292 cM
PSC8-Chr14 (w=1)
181077577 cM
0 cM
XRQ-Chr14 (w=1)
173078061 cM
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40
60
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100
120
140
160Mb
ρ=0.997
ρ=0.996
ρ=0.998
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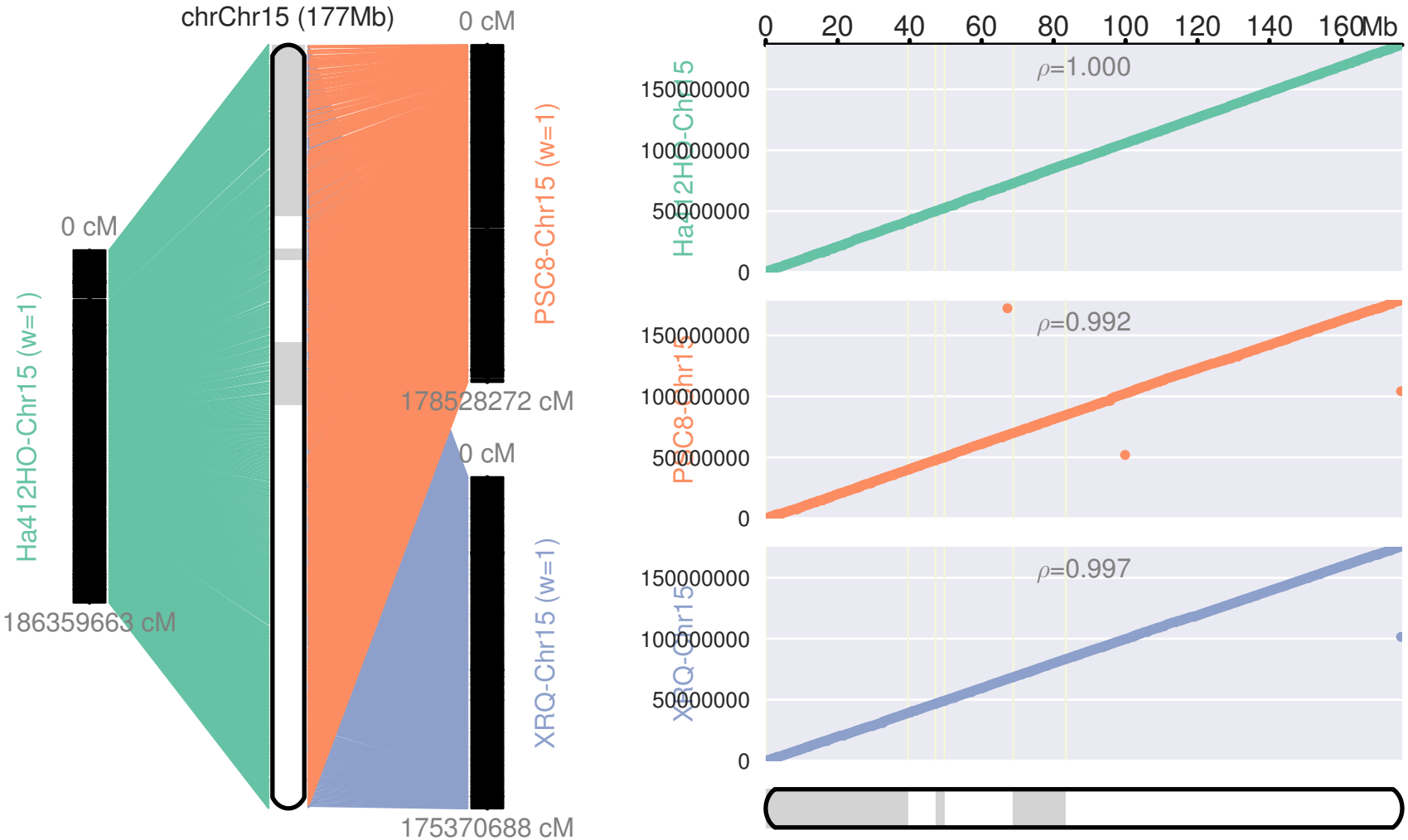
50000000
0


chrChr15 (177Mb)
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0 cM
Ha412HO-Chr15 (w=1)
186359663 cM
PSC8-Chr15 (w=1)
178528272 cM
0 cM
XRQ-Chr15 (w=1)
175370688 cM
0
20
40
60
80
100
120
140
160Mb
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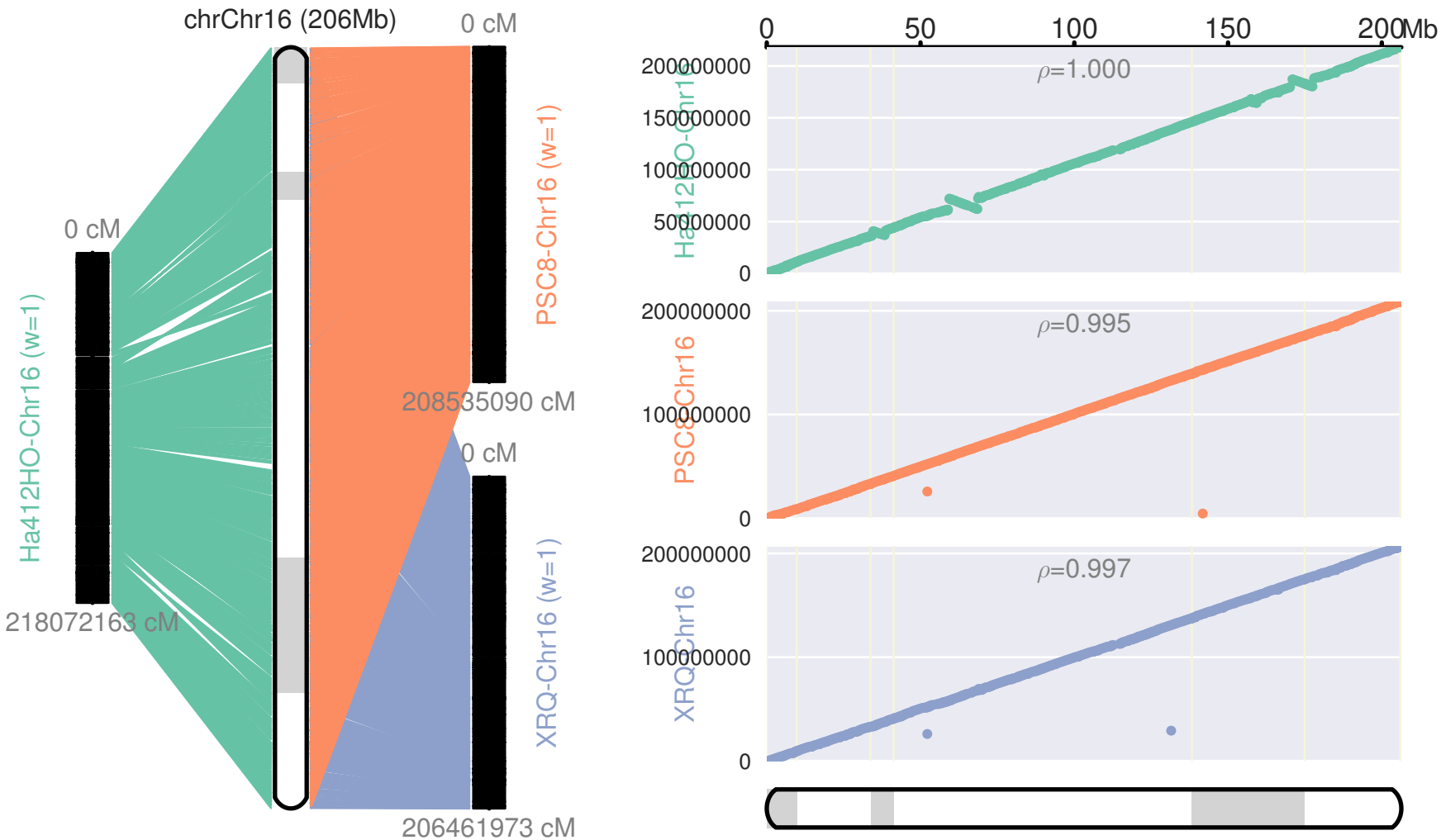
100000000
50000000
0
ρ=1.000
Ha412HO-Chr15
ρ=0.992
PSC8-Chr15
ρ=0.997
XRQ-Chr15


chrChr16 (206Mb)
0 cM
0 cM
Ha412HO-Chr16 (w=1)
218072163 cM
PSC8-Chr16 (w=1)
208535090 cM
0 cM
XRQ-Chr16 (w=1)
206461973 cM
0
50
100
150
200Mb
200000000
150000000
100000000
50000000
0
ρ=1.000
Ha412HO-Chr16
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100000000
0
ρ=0.995
PSC8-Chr16
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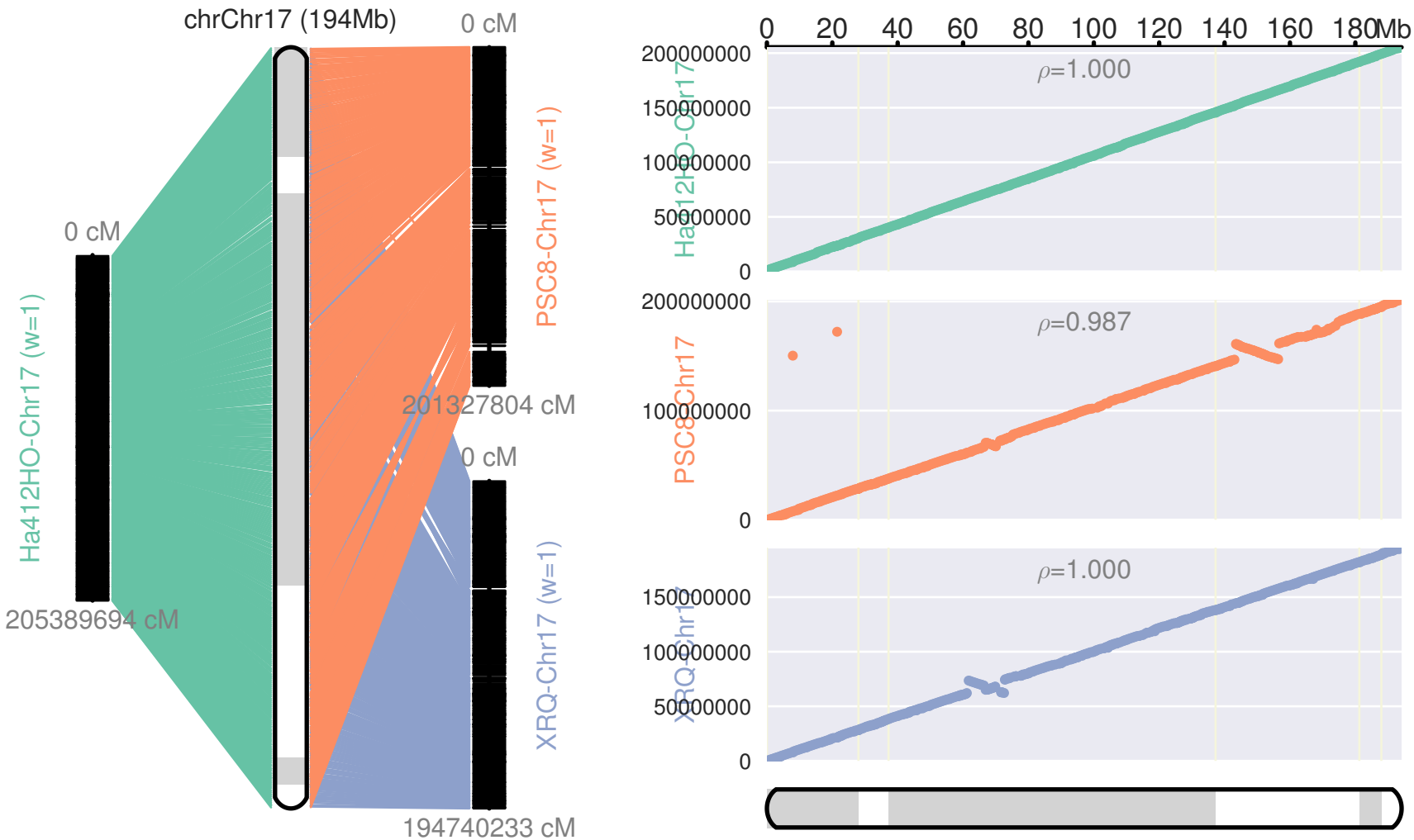
ρ=0.997
XRQ-Chr16


chrChr17 (194Mb)
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Ha412HO-Chr17 (w=1)
205389694 cM
PSC8-Chr17 (w=1)
201327804 cM
0 cM
XRQ-Chr17 (w=1)
194740233 cM
0
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40
60
80
100
120
140
160
180Mb
200000000
150000000
100000000
50000000
0
Ha412HO-Chr17
ρ=1.000
200000000
100000000
0
PSC8-Chr17
ρ=0.987
150000000
100000000
50000000
0
XRQ-Chr17
ρ=1.000