Pairwise $|D'|$ plots for the Environmental Genome Project

Pairwise $|D'|$ plots for each region from the Environmental Genome Project data (http://egp.gs.washington.edu), gathered in Debbie Nickerson’s laboratory (also known as the NIEHS study). Each square in the triangle plots the level of LD between a pair of sites in the region; comparisons of neighboring sites lie along the diagonal. Red coloring indicates strong LD, green indicates weak LD, and grey indicates intermediate or uninformative LD. See Gabriel et al. (2002) or Wall and Pritchard (2003, AJHG, submitted) for details. The long diagonal line indicates the physical length of the region, and the short black lines plot the position of each marker within this region. Locus FGF8 was excluded because it contained just a single marker with minor allele frequency greater than or equal to 0.1. This is an expanded version of part of Figure 2 from Wall and Pritchard (2003, Nature Reviews Genetics, submitted).
Locus AKT2 from NIEHS study
Recombination rate = 0.99 cM/Mb
Physical length = 1.073 kb

Locus APEX from NIEHS study
Recombination rate = 6.39 cM/Mb
Physical length = 2.005 kb
Locus ADPRTL2 from NIEHS study
Recombination rate = 0.50 cM/Mb
Physical length = 15.889 Kb

Locus CCNA2 from NIEHS study
Recombination rate = 0.61 cM/Mb
Physical length = 9.047 Kb
Locus CCND1 from NIEHS study
Recombination rate = 1.52 cM/Mb
Physical length = 12,448 kb

Locus CCND2 from NIEHS study
Recombination rate = 9.00 cM/Mb
Physical length = 31,932 kb
Locus CCAG from NEHS study
Recombination rate = 0.57 cM/Mb
Physical length = 6.203 kb

Locus CCNH from NEHS study
Recombination rate = 0.39 cM/Mb
Physical length = 0.311 kb
Locus CDKN1A from NIEHS study
Recombination rate = 0.77 cM/Mb
Physical length = 10.769 kb

Locus CDKN1B from NIEHS study
Recombination rate = 1.66 cM/Mb
Physical length = 2.543 kb
Locus C302 from NHLS study
Recombination rate = 1.18 cM/Mb
Physical length = 15.536 Mb

Locus CDKN2A from NHLS study
Recombination rate = 1.02 cM/Mb
Physical length = 26.831 Mb
Locus CDKN2A from NIEHS study
Recombination rate = 1.56 cM/Mb
Physical length = 2.38 Mb

Locus CDK2 from NIEHS study
Recombination rate = 0.94 cM/Mb
Physical length = 1.83 Mb
Locus CEP2 from NIEHS study
Recombination rate = 0.42 cM/Mb
Physical length = 8,060 kb

Locus CHEK1 from NIEHS study
Recombination rate = 1.25 cM/Mb
Physical length = 29,500 kb
Locus CK32 from NIEHS study
Recombination rate = 1.91 cM/Mb
Physical length = 7.624 kb

Locus EIF1 from NIEHS study
Recombination rate = 0.49 cM/Mb
Physical length = 11.418 kb
Locus E3F2 from NIEHS study
Recombination rate = 0.92 cM/Mb
Physical length = 22.211 Mb

Locus E3F3 from NIEHS study
Recombination rate = 1.11 cM/Mb
Physical length = 12.336 Mb
Locus E2F4 from NIEHS study
Recombination rate = 0.37 cM/Mb
Physical length = 3.518 kb

Locus ERCC1 from NIEHS study
Recombination rate = 1.17 cM/Mb
Physical length = 16.702 kb
Locus ERCC2 from NEHS study
Recombination rate = 1.17 d/Mb
Physical length = 19.813 kb

Locus ERCC4 from NEHS study
Recombination rate = 1.20 d/Mb
Physical length = 28.587 kb
Locus ED1 from NIEHS study
Recombination rate = 1.87 cM/Mb
Physical length = 42.44 Mb

Locus FV1 from NIEHS study
Recombination rate = 1.09 cM/Mb
Physical length = 4.21 Mb
Locus FGFI from NIEHS study
Recombination rate = 2.77 cM/Mb
Physical length = 4,996 kb

Locus FGFI7 from NIEHS study
Recombination rate = 1.99 cM/Mb
Physical length = 7,168 kb
Locus GADD45A from NIEHS study
Recombination rate = 1.23 cM/Mb
Physical length = 4.629 kb

Locus GADD45B from NIEHS study
Recombination rate = 3.43 cM/Mb
Physical length = 1.966 kb
Locus GADD45G from NIEHS study
Recombination rate = 0.91 cM/Mb
Physical length = 3.477 kb

Locus HPNP from NIEHS study
Recombination rate = 2.27 cM/Mb
Physical length = 8.232 kb
Locus IL1 from EIS study
Recombination rate = 0.75 cM/Mb
Physical length = 17491 kb

Locus IL2 from EIS study
Recombination rate = 2.14 cM/Mb
Physical length = 55039 kb
Locus LIG3 from NIEHS study
Recombination rate = 200 cM/Mb
Physical length = 13,055 kb

Locus LIG4 from NIEHS study
Recombination rate = 289 cM/Mb
Physical length = 8,158 kb
Locus MBD4 from MBE study
Recombination rate = 0.61 cM/Mb
Physical length = 11,822 kb

Locus MME2 from MBE study
Recombination rate = 0.33 cM/Mb
Physical length = 32,166 kb
Locus MUTO from NlHS study
Recombination rate = 0.62 cM/Mb
Physical length = 12,000 kb

Locus NTHL1 from NlHS study
Recombination rate = 1.59 cM/Mb
Physical length = 8,153 kb
Locus OGG1 from NHLS study
Recombination rate = 2.15 cM/Mb
Physical length = 9239 kb

Locus PCNA from NHLS study
Recombination rate = 3.45 cM/Mb
Physical length = 7117 kb
Locus PKMYT1 from NIEHS study
Recombination rate = 1.29 cM/Mb
Physical length = 6.425 kb

Locus PNHP from NIEHS study
Recombination rate = 3.10 cM/Mb
Physical length = 4.200 kb
<table>
<thead>
<tr>
<th>Locus</th>
<th>Recombination rate</th>
<th>Physical length</th>
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<tbody>
<tr>
<td>FCOL2</td>
<td>0.03 cM/Mb</td>
<td>9.022 kb</td>
</tr>
<tr>
<td>FCOLG</td>
<td>1.16 cM/Mb</td>
<td>20.951 kb</td>
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</tbody>
</table>
Locus RAD23A from NIEHS study
Recombination rate = 1.06 cM/Mb
Physical length = 7299 kb

Locus RAG1 from NIEHS study
Recombination rate = 1.28 cM/Mb
Physical length = 10399 kb
Locus RB1 from NIEHS study
Recombination rate = 0.76 cM/Mb
Physical length = 175,129 Mb

Locus RFC3 from NIEHS study
Recombination rate = 1.23 cM/Mb
Physical length = 24,386 kb
Locus RFC4 from NIEHS study
Recombination rate = 2.25 cMW/m
Physical length = 15.393 kb

Locus RFC2 from NIEHS study
Recombination rate = 0.43 cMW/m
Physical length = 16.061 kb
Locus HSU185 from NIEHS study
Recombination rate = 0.90 cM/Mb
Physical length = 0.934 Mb

Locus SEH1 from NIEHS study
Recombination rate = 0.99 cM/Mb
Physical length = 2.774 Mb
Locus SMUG1 from NIEHS study
Recombination rate = 1.24 cM/Mb
Physical length = 6.917 Mb

Locus TAF2E from NIEHS study
Recombination rate = 0.59 cM/Mb
Physical length = 12.946 Mb
Loci 7A2fH from NIEHS study
Recombination rate = 1.29 cM/Mb
Physical length = 1.299 kb

Loci TDG from NIEHS study
Recombination rate = ??? cM/Mb
Physical length = 22.006 kb
Locus GTF2H3 from NIEHS study
Recombination rate = 0.41 cM/Mb
Physical length = 27.555 Mb

Locus GTF2H4 from NIEHS study
Recombination rate = 0.01 cM/Mb
Physical length = 7.344 kb
Locus TGFβ1 from NIHS study
Recombination rate = 0.78 cM/Mb
Physical length = 36.510 Mb

Locus TGFβ3 from NIHS study
Recombination rate = 0.27 cM/Mb
Physical length = 19.832 Mb
Locus TREF1 from NIEHS study
Recombination rate = 0.30 cM/Mb
Physical length = 2.621 Mb

Locus TXN from NIEHS study
Recombination rate = 1.13 cM/Mb
Physical length = 14.256 Mb
Locus XPC from NEHS study
Recombination rate = 1.15 cM/Mb
Physical length = 33.2% Mb

Locus XRCC1 from NEHS study
Recombination rate = 0.32 cM/Mb
Physical length = 34.0% Mb
Locus XRCC2 from NIEHS study
Recombination rate = 3.16 cM/Mb
Physical length = 32.2 Mb

Locus XRCC3 from NIEHS study
Recombination rate = 1.08 cM/Mb
Physical length = 20.756 Mb