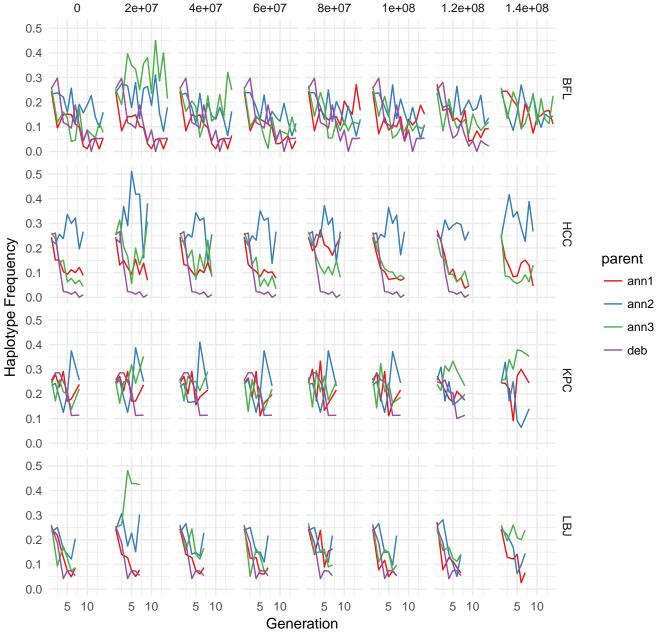
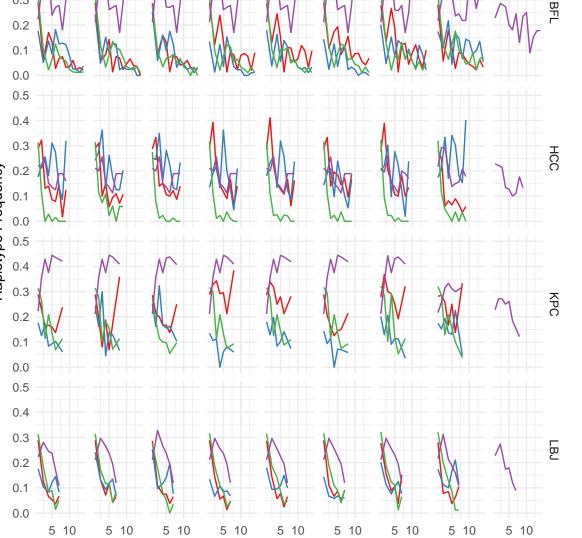
20MB Windowed Haplotype frequency HanXRQChr01 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08



20MB Windowed Haplotype frequency HanXRQChr02 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 0.5 0.4 0.3 0.2 0.1 0.0 0.5



ann1

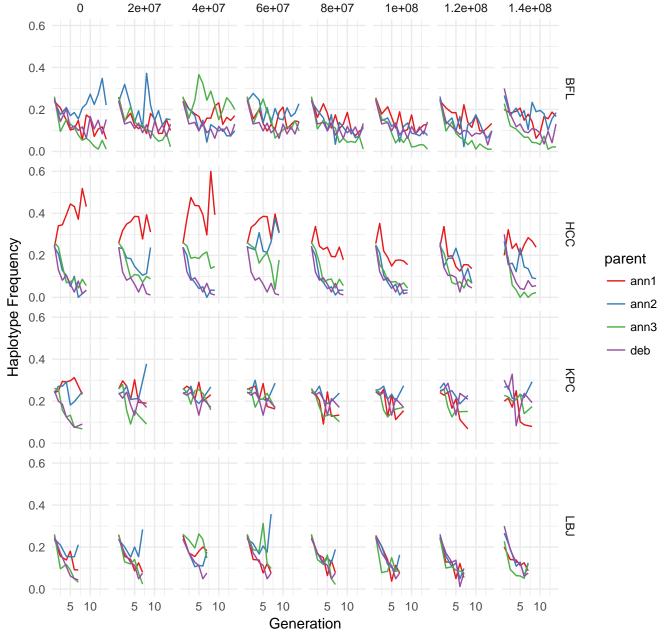
ann2

ann3

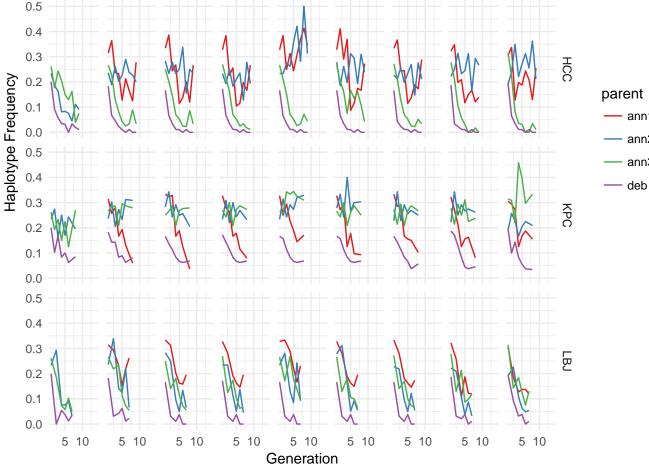
Haplotype Frequency parent - deb Generation

20MB Windowed Haplotype frequency HanXRQChr03

0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08

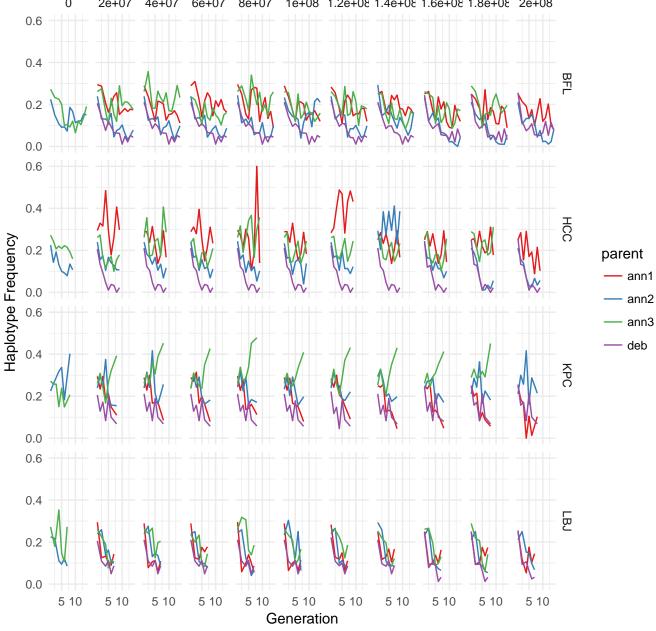


20MB Windowed Haplotype frequency HanXRQChr04 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 0.5 0.4 0.3 0.2 0.1 0.0 0.5 0.4 0.3 HCC 0.2 parent 0.1 ann1 0.0 ann2 0.5 ann3

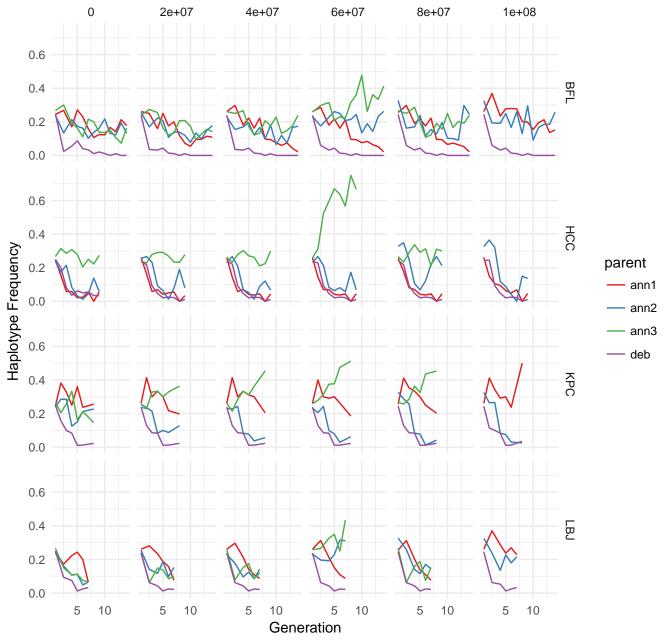


20MB Windowed Haplotype frequency HanXRQChr05

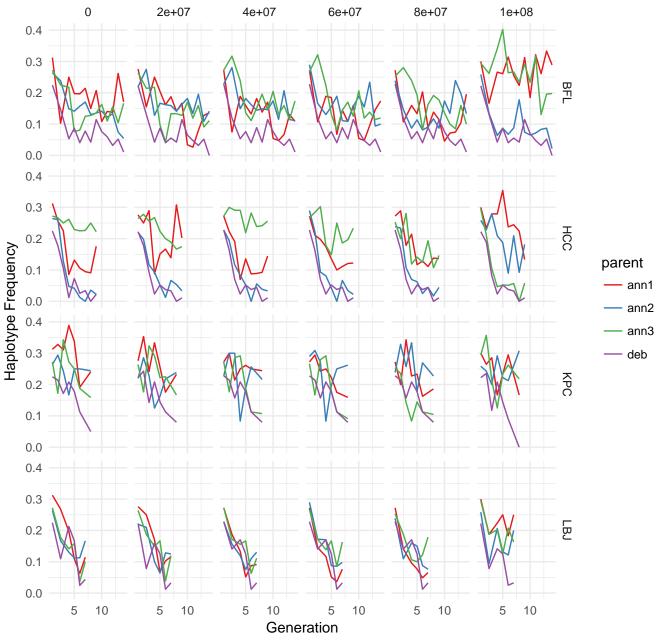
0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 1.8e+08 2e+08



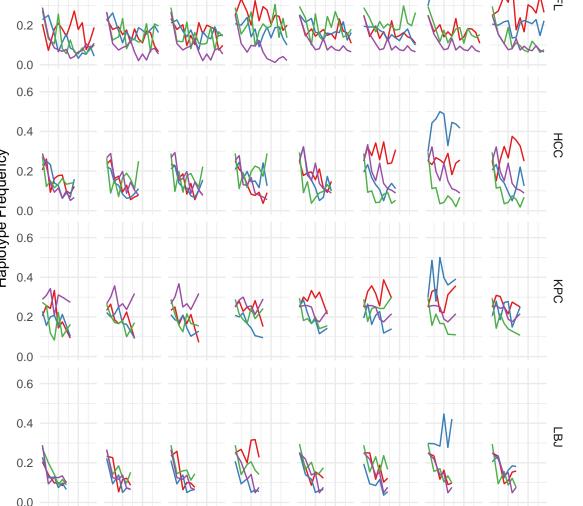
20MB Windowed Haplotype frequency HanXRQChr06



20MB Windowed Haplotype frequency HanXRQChr07



20MB Windowed Haplotype frequency HanXRQChr08 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 0.6 0.4 0.0



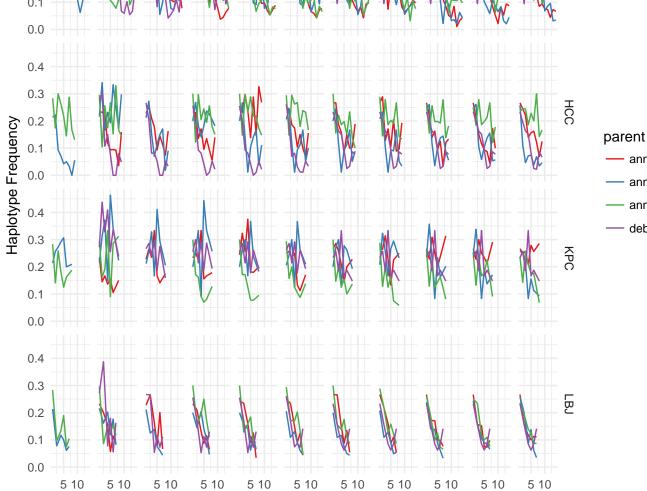
ann1

ann2

ann3 - deb

Haplotype Frequency parent 0.0 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10 Generation

20MB Windowed Haplotype frequency HanXRQChr09 0 2e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 1.8e+08 2e+08 4e+07 6e+07 0.4 0.3 0.2 0.1 0.0



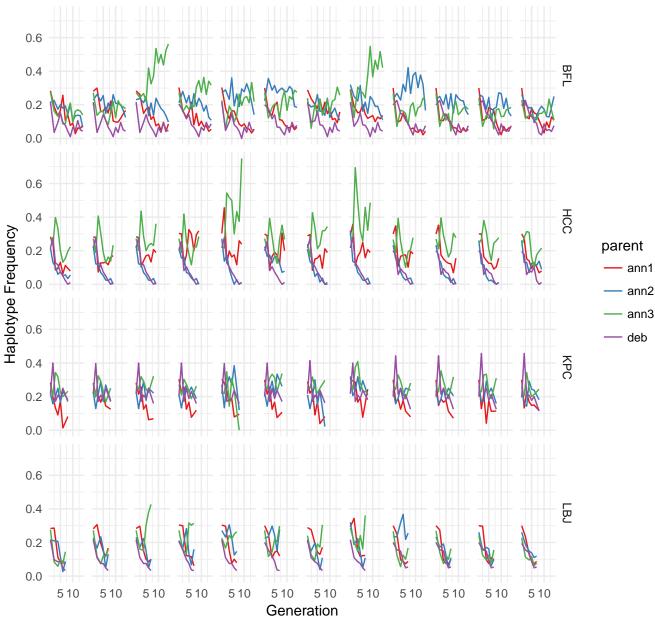
Generation

ann1

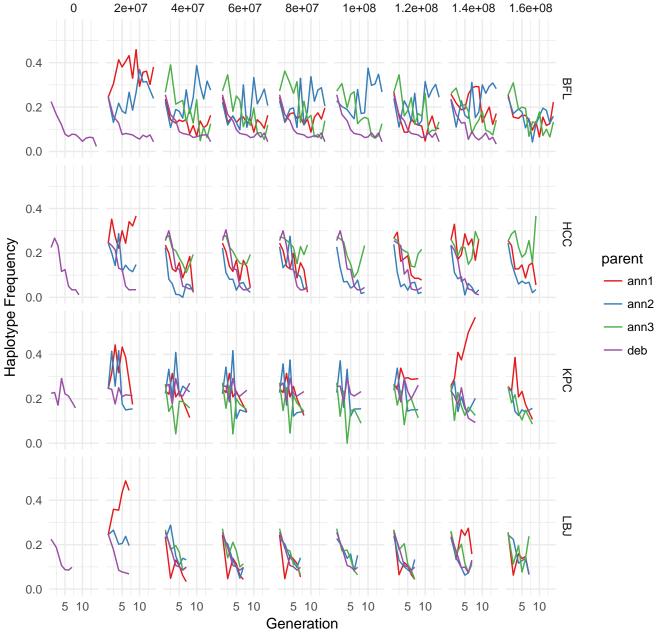
ann2 ann3

- deb

20MB Windowed Haplotype frequency HanXRQChr10 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 1.8e+08 2e+08 2.2e+08



20MB Windowed Haplotype frequency HanXRQChr11 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08

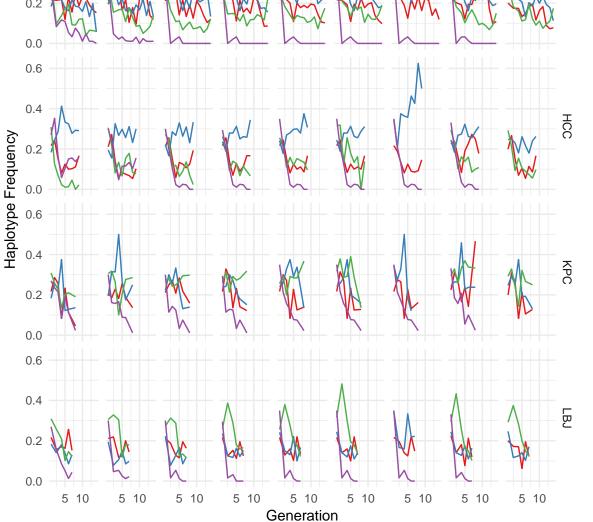


parent

ann1

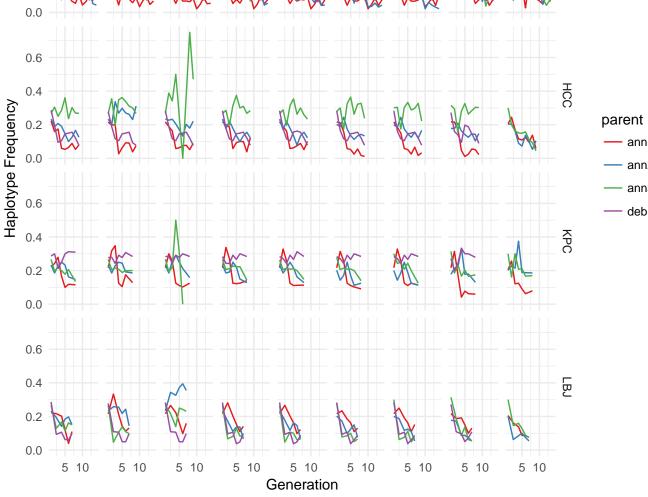
ann2

- ann3 - deb

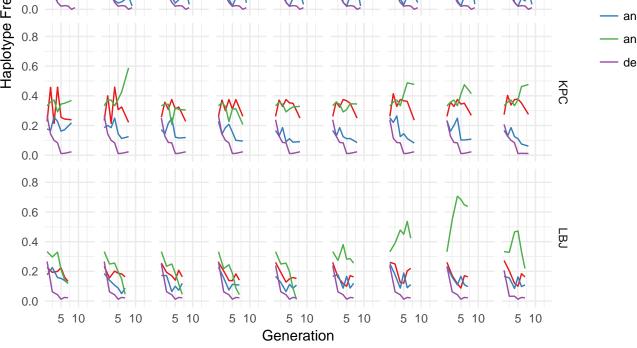


20MB Windowed Haplotype frequency HanXRQChr13 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 1.8e+08 0.6 0.4 0.2 0.0 0.6 0.4 HCC Haplotype Frequency 0.2 parent ann1 0.0 ann2 ann3 0.6 deb 0.4 KPC 0.2 0.0 0.6 0.4 Б 0.2 0.0 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10 Generation

20MB Windowed Haplotype frequency HanXRQChr14 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 0.6 BFL 0.4 0.0 0.6 HCC 0.4 parent 0.2 ann1 0.0 ann2 ann3



20MB Windowed Haplotype frequency HanXRQChr15 0 2e+07 4e+07 6e+07 1e+08 1.2e+08 8e+07 1.4e+08 1.6e+08 0.8 0.6 0.4 0.2 0.0 0.8 0.6 HCC 0.4 Haplotype Frequency parent 0.2 ann1 0.0 ann2 0.8 ann3 - deb 0.6 KPC 0.4 0.2 0.0 0.8 0.6



20MB Windowed Haplotype frequency HanXRQChr16 0 2e+07 4e+07 6e+07 8e+07 1.2e+08 1.4e+08 1.6e+08 1.8e+08 0.4 0.3 0.2 0.1 0.0 0.4 0.3 HCC 0.2 Haplotype Frequency parent 0.1 ann1 0.0 ann2 0.4 ann3 deb 0.3 KPC 0.2 0.1 0.0 0.4 0.3 Б 0.2 0.1 0.0 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10 Generation

20MB Windowed Haplotype frequency HanXRQChr17 0 2e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 1.8e+08 2e+08 4e+07 6e+07 0.6 0.4 0.0 0.6 0.4 HCC Haplotype Frequency 0.2 parent ann1 0.0 ann2 ann3 0.6 - deb 0.4 KPC 0.2 0.0 0.6 0.4 Б 0.2

0.0

5 10

5 10

5 10

5 10

5 10

5 10

Generation

5 10

5 10

5 10

5 10

5 10