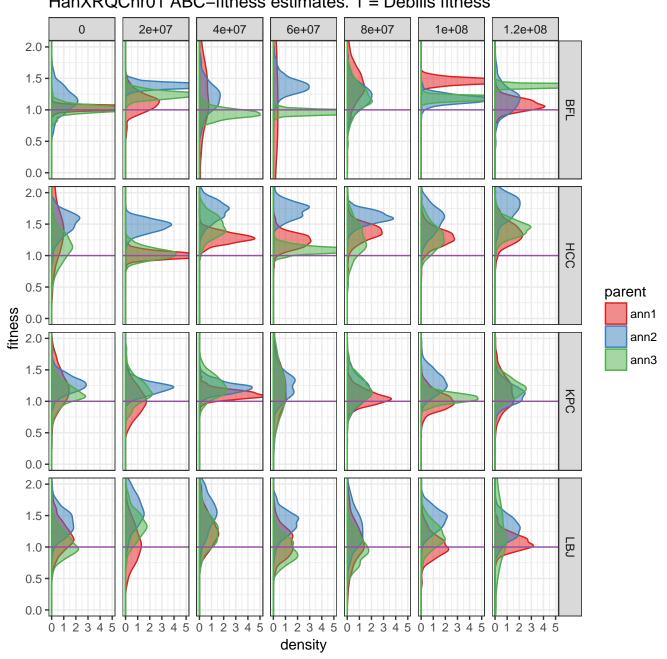
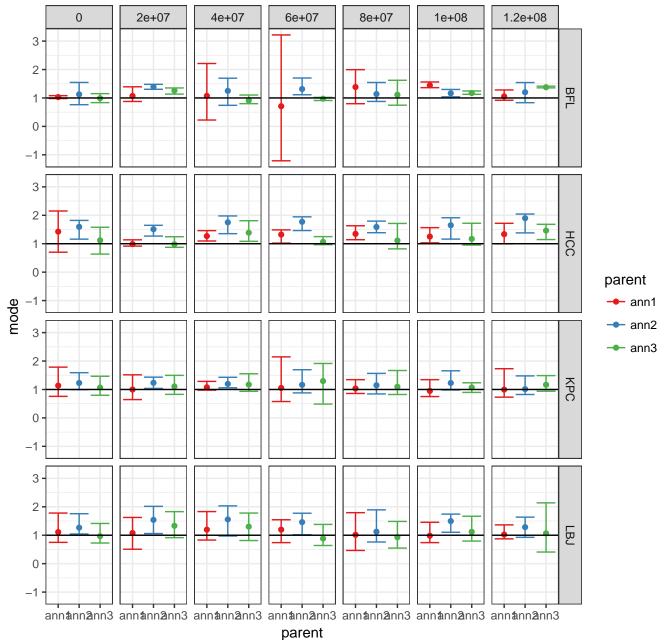
HanXRQChr01 ABC-fitness estimates. 1 = Debilis fitness



HanXRQChr01 ABC-fitness estimates. 1 = Debilis fitness



HanXRQChr02 ABC-fitness estimates. 1 = Debilis fitness 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 2.0 -1.5 뫈 1.0 0.5 0.0 2.0 1.5 HCC 1.0 0.5 parent fitness ann1 0.0 2.0 ann2 ann3 1.5 KPC 1.0 0.5 0.0 2.0 -1.5 E 1.0

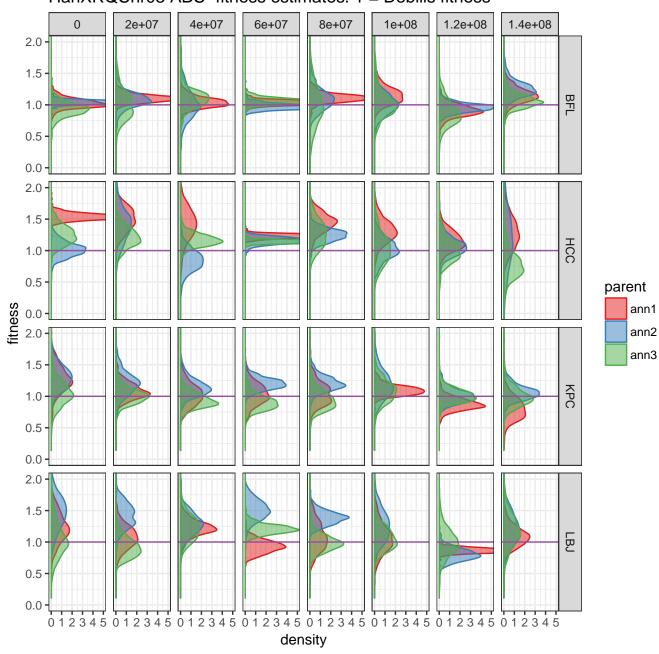
0 1 2 3 4 5 0 1 2

0.5

0.0

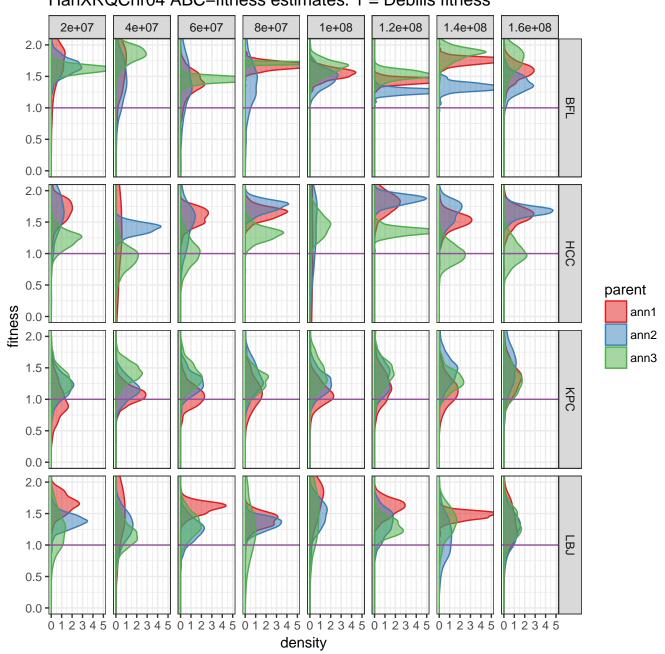
HanXRQChr02 ABC-fitness estimates. 1 = Debilis fitness 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 2.0 1.5 **+ +** BFL 1.0 0.5 0.0 2.0 1.5 HCC 1.0 0.5 parent 0.0 mode ann1 ann2 2.0 ann3 1.5 KPC 1.0 0.5 0.0 2.0 1.5 Ē 1.0 0.5 0.0 parent

HanXRQChr03 ABC-fitness estimates. 1 = Debilis fitness 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08



HanXRQChr03 ABC-fitness estimates. 1 = Debilis fitness 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 2.0 -1.5 BFL 0.5 2.0 1.5 -HCC 1.0 parent 0.5 90.5 2.0 ann1 ann2 ann3 1.5 KPC 1.0 0.5 2.0 1.5 Ē 1.0 0.5 parent

HanXRQChr04 ABC–fitness estimates. 1 = Debilis fitness



HanXRQChr04 ABC-fitness estimates. 1 = Debilis fitness 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 3 2 BFL 1 0 -1 3 2 HCC 0 parent -1 mode ann1 ann2 3 ann3 2 KPC 0 -1· 3 2 · Ē 0 -1· parent

HanXRQChr05 ABC-fitness estimates. 1 = Debilis fitness 1.2e+08 2e+07 4e+07 6e+07 8e+07 1e+08 1.4e+08 1.6e+08 1.8e+08 2.0 -1.5 BFL 1.0 0.5 0.0 2.0 -1.5 -HCC 1.0 0.5 parent fitness ann1 0.0 2.0 ann2 ann3 1.5 KPC 1.0 -0.5 0.0 2.0 -1.5 E 1.0 -0.5

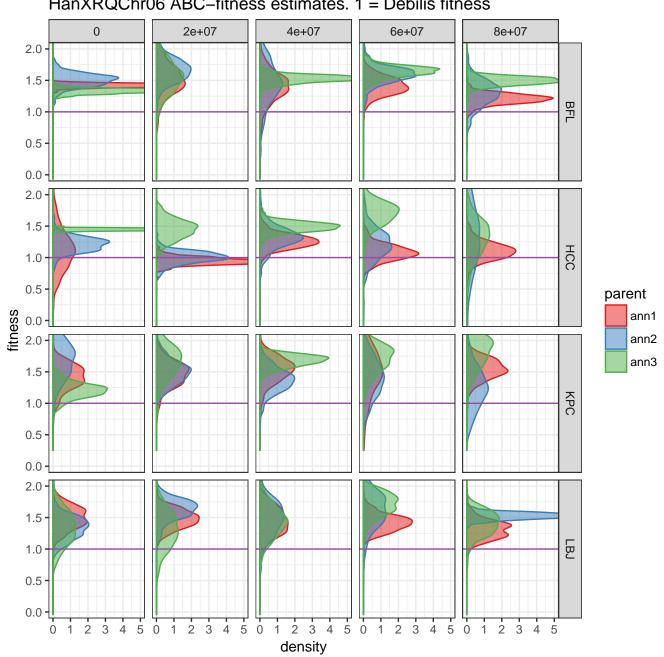
density

012345 012345 012345 012345 012345 012345 012345

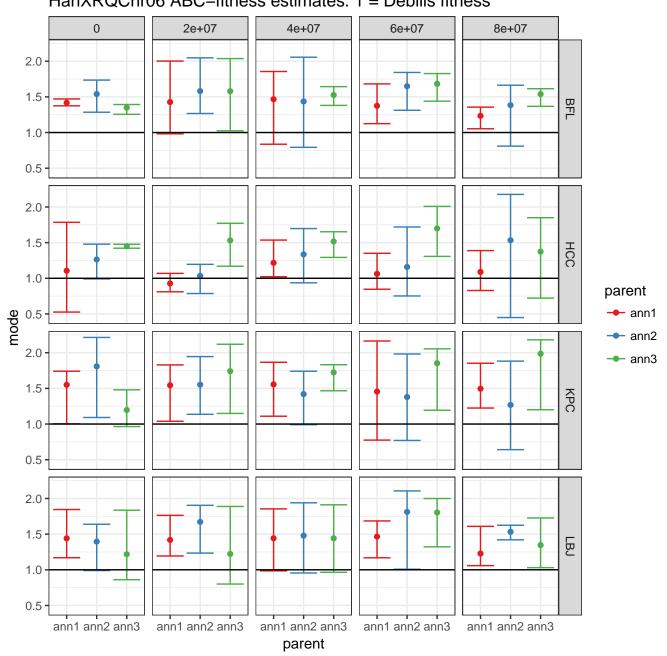
0.0 -

HanXRQChr05 ABC-fitness estimates. 1 = Debilis fitness 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 1.8e+08 2.0 1.5 -뫈 0.5 2.0 1.5 HCC 1.0 parent 0.5 mode ann1 ann2 2.0 ann3 1.5 KPC 1.0 0.5 2.0 1.5 É 1.0 0.5 parent

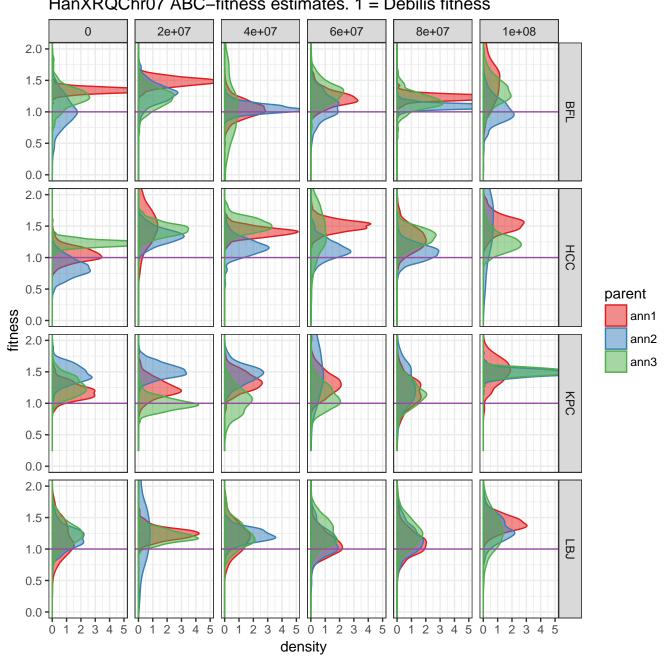
HanXRQChr06 ABC-fitness estimates. 1 = Debilis fitness



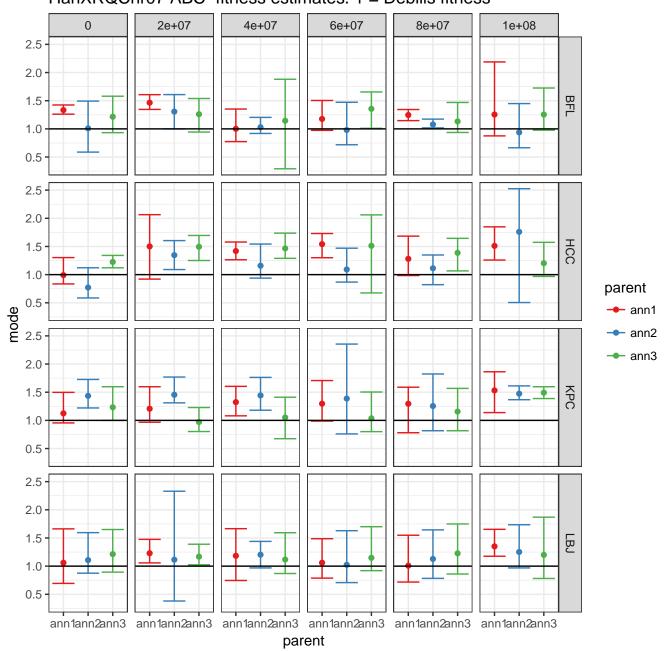
HanXRQChr06 ABC-fitness estimates. 1 = Debilis fitness



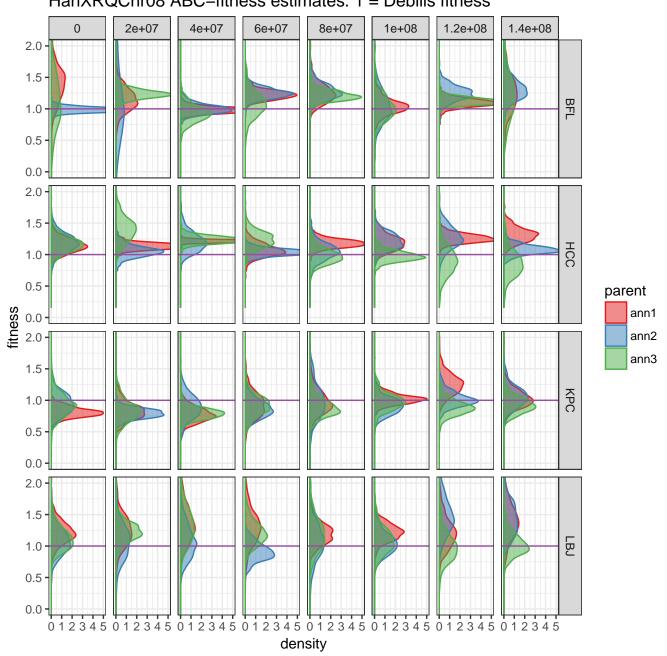
HanXRQChr07 ABC-fitness estimates. 1 = Debilis fitness



HanXRQChr07 ABC-fitness estimates. 1 = Debilis fitness

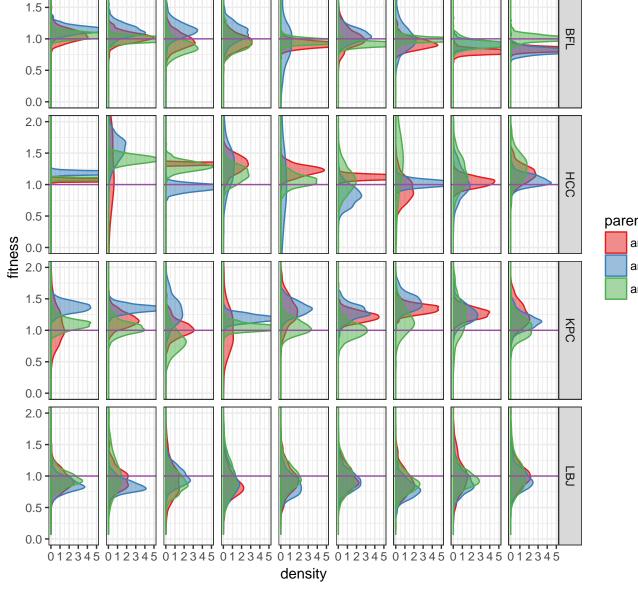


HanXRQChr08 ABC-fitness estimates. 1 = Debilis fitness



HanXRQChr08 ABC-fitness estimates. 1 = Debilis fitness 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 2.0 1.5 -뫈 1.0 0.5 2.0 1.5 HCC 1.0 parent 0.5 mode ann1 ann2 2.0 ann3 1.5 KPC 1.0 0.5 2.0 1.5 Ē 1.0 0.5 parent

HanXRQChr09 ABC-fitness estimates. 1 = Debilis fitness 1.2e+08 2e+07 6e+07 8e+07 1e+08 1.4e+08 1.6e+08 1.8e+08 2e+08 2.0 -1.5 뫈 1.0 -0.5 0.0 2.0 1.5 HCC 1.0 0.5 parent fitness ann1 0.0 2.0 ann2 ann3 1.5 KPC 1.0 -0.5



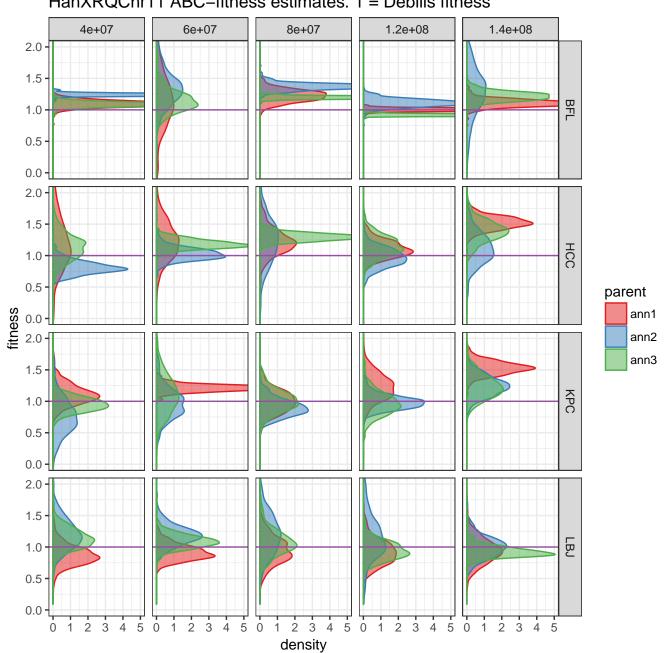
HanXRQChr09 ABC-fitness estimates. 1 = Debilis fitness 1.2e+08 2e+07 6e+07 8e+07 1e+08 1.4e+08 1.6e+08 1.8e+08 2e+08 2.5 2.0 1.5 BFL 1.0 0.5 0.0 2.5 2.0 1.5 -1.0 0.5 parent 0.0 90.0 2.5 ann1 ann2 2.0 ann3 1.5 KPC 1.0 0.5 0.0 2.5 2.0 1.5 Ē 1.0 0.5 0.0 

parent

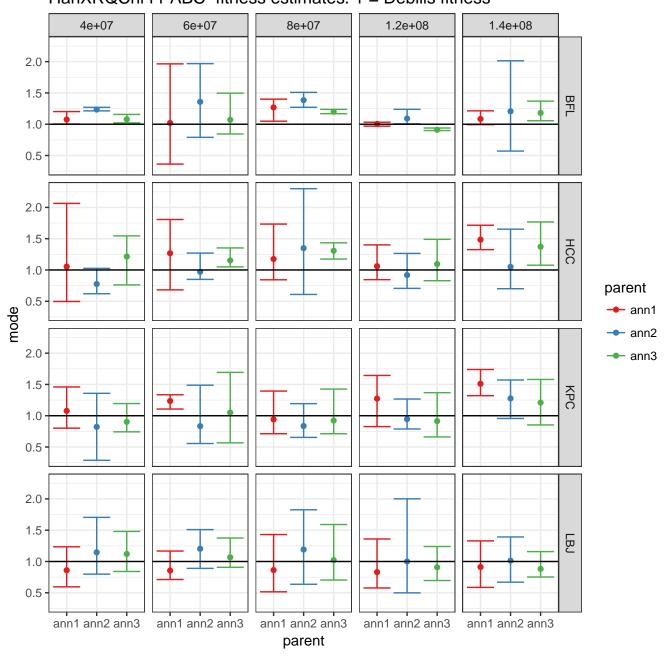
HanXRQChr10 ABC-fitness estimates. 1 = Debilis fitness 2e+07 4e+07 6e+07 8e+07 1e+08 .2e+0 .4e+08 .6e+0 .8e+08 2e+08 2.2e+0 0 2.0 1.5 BFL 1.0 0.5 0.0 2.0 1.5 HCC 1.0 0.5 parent fitness ann1 2.0 ann2 ann3 1.5 KPC 1.0 0.5 0.0 2.0 1.5 E 1.0 0.5 0.0 012345 012345 012345 012345 012345 012345 012345 012345 012345 012345 012345 012345 density

## HanXRQChr10 ABC-fitness estimates. 1 = Debilis fitness 4e+07 6e+07 8e+07 1e+08 .2e+0 .6e+08 .8e+0 2e+08 2.2e+08 0 .4e+08 2 BFL 0 HCC parent 0 mode ann1 ■ ann2 -- ann3 2 KPC 0 2 · Ē 0 a nantan2n 3 nantan2n parent

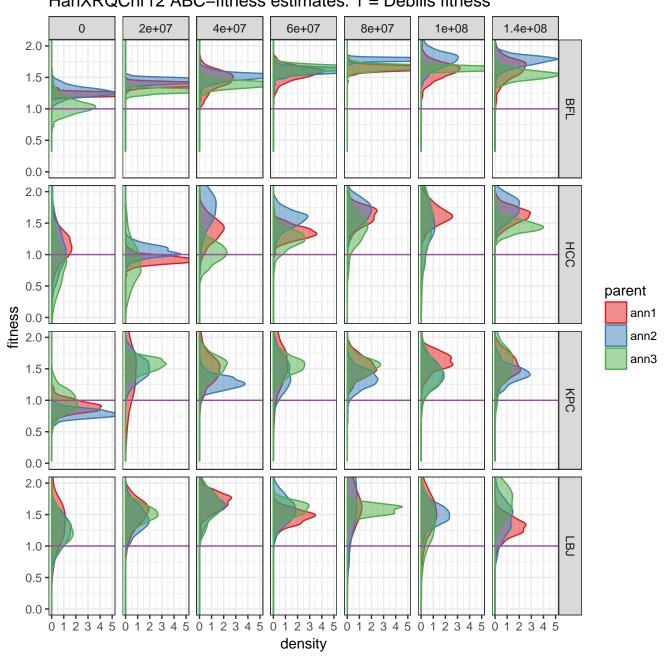
HanXRQChr11 ABC-fitness estimates. 1 = Debilis fitness



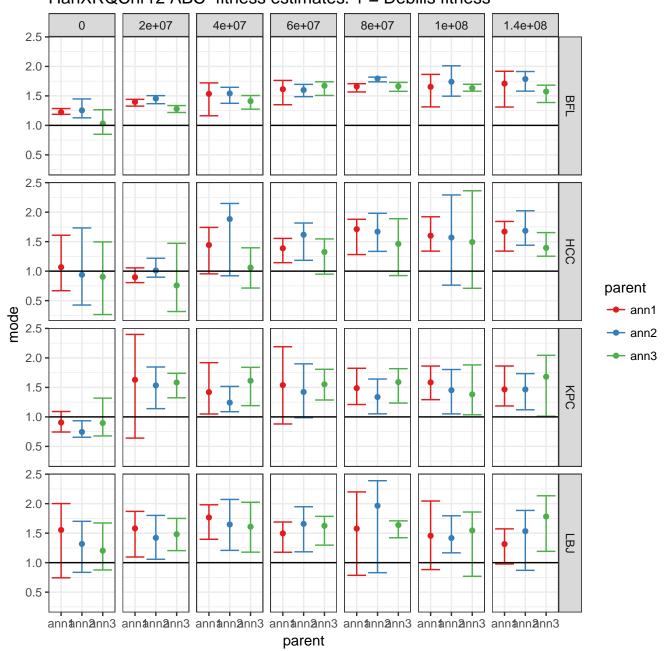
HanXRQChr11 ABC-fitness estimates. 1 = Debilis fitness



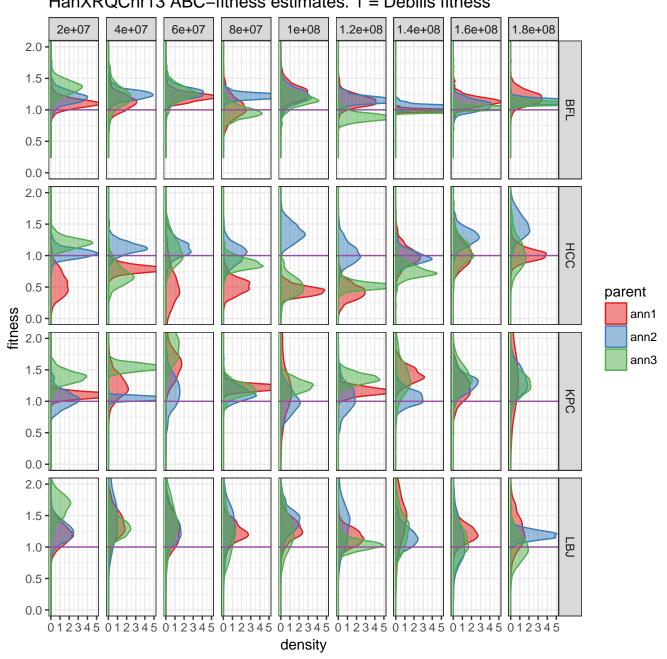
HanXRQChr12 ABC-fitness estimates. 1 = Debilis fitness



HanXRQChr12 ABC-fitness estimates. 1 = Debilis fitness



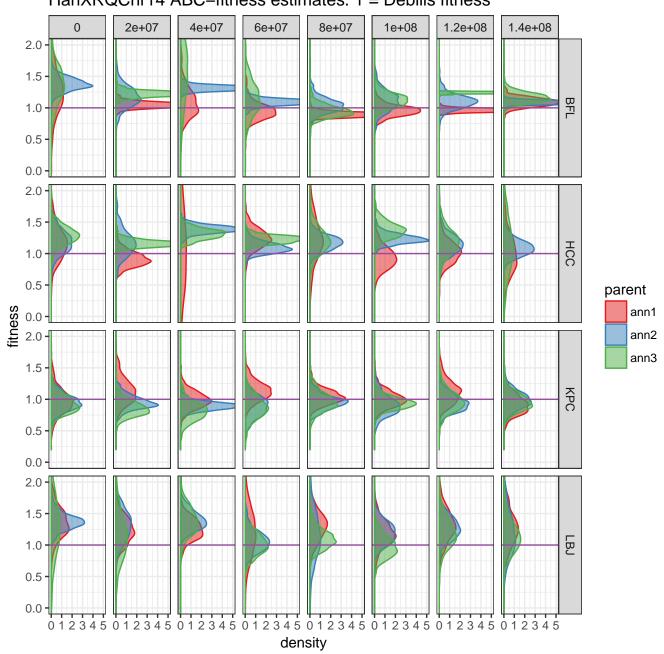
HanXRQChr13 ABC-fitness estimates. 1 = Debilis fitness



HanXRQChr13 ABC-fitness estimates. 1 = Debilis fitness 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 1.8e+08 2.5 2.0 1.5 -1.0 0.5 0.0 2.5 2.0 -1.5 -HCC 1.0 parent 0.5 90.0 2.5 ann1 ann2 2.0 ann3 1.5 KPC 1.0 0.5 0.0 2.5 2.0 1.5 É 1.0 0.5 0.0

parent

HanXRQChr14 ABC-fitness estimates. 1 = Debilis fitness

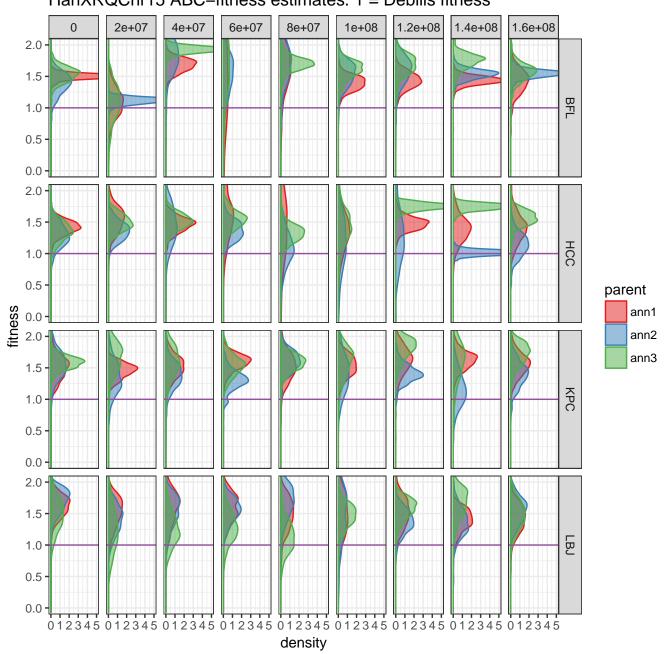


## HanXRQChr14 ABC-fitness estimates. 1 = Debilis fitness 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 3 2 뫈 0 3 2 HCC parent mode 3 ann1 ann2 ann3 2 -KPC 0 2 Ē

parent

0

HanXRQChr15 ABC-fitness estimates. 1 = Debilis fitness



## HanXRQChr15 ABC-fitness estimates. 1 = Debilis fitness 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 2 -뫈 0 2 · HCC parent mode ann1 ann2 ann3 KPC Ē 0 -parent

HanXRQChr16 ABC-fitness estimates. 1 = Debilis fitness 0 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 2.0 -1.5 -뫈 1.0 0.5 0.0 2.0 -1.5 -HCC 1.0 0.5 parent fitness ann1 0.0 2.0 ann2 ann3 1.5 -KPC 1.0 -0.5 0.0 2.0 -1.5 LB<sub>D</sub> 1.0 0.5 0.0 -

012345 012345 012345 012345 012345 012345 012345 012345 012345

HanXRQChr16 ABC-fitness estimates. 1 = Debilis fitness 2e+07 4e+07 6e+07 8e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 0 2.5 2.0 1.5 -BFL 1.0 0.5 2.5 2.0 1.5 HCC 1.0 parent 0.5 90.5 2.5 ann1 ann2 ann3 2.0 1.5 KPC 1.0 0.5 2.5 2.0 1.5 É 1.0 0.5 

parent

HanXRQChr17 ABC-fitness estimates. 1 = Debilis fitness 2e+07 4e+07 6e+07 1e+08 1.2e+08 1.4e+08 1.6e+08 1.8e+08 2e+08 0 2.0 -1.5 -BFL 1.0 0.5 0.0 2.0 -1.5 -HCC 1.0 0.5 parent **litness** 0.0 2.0 ann1 ann2 ann3 1.5 KPC 1.0 -0.5 0.0 2.0 -1.5 E 1.0 0.5 0.0 012345 012345 012345 012345 012345 012345 012345 012345 012345 012345

density

## HanXRQChr17 ABC-fitness estimates. 1 = Debilis fitness 1.2e+08 1.6e+08 2e+07 4e+07 6e+07 1e+08 1.4e+08 1.8e+08 2e+08 0 2 · 0 HCC parent 0 mode ann1 ann2 ann3 2 KPC 0 2 · É 0 -parent