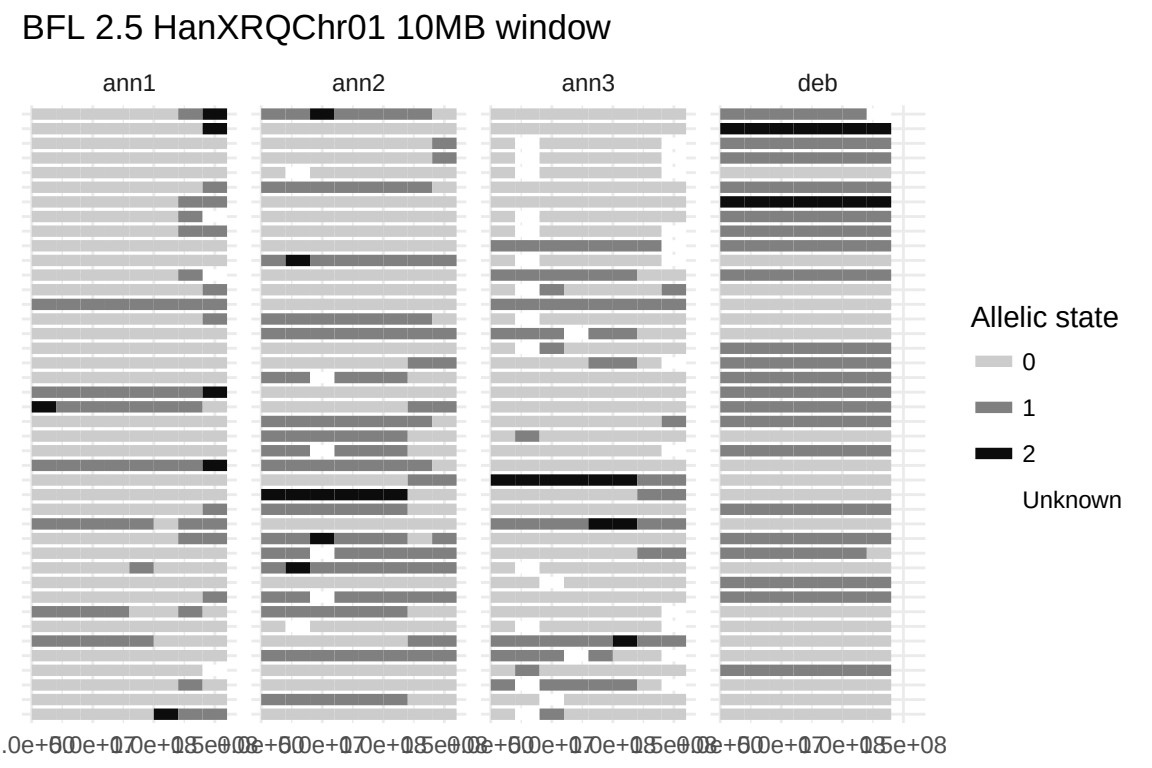
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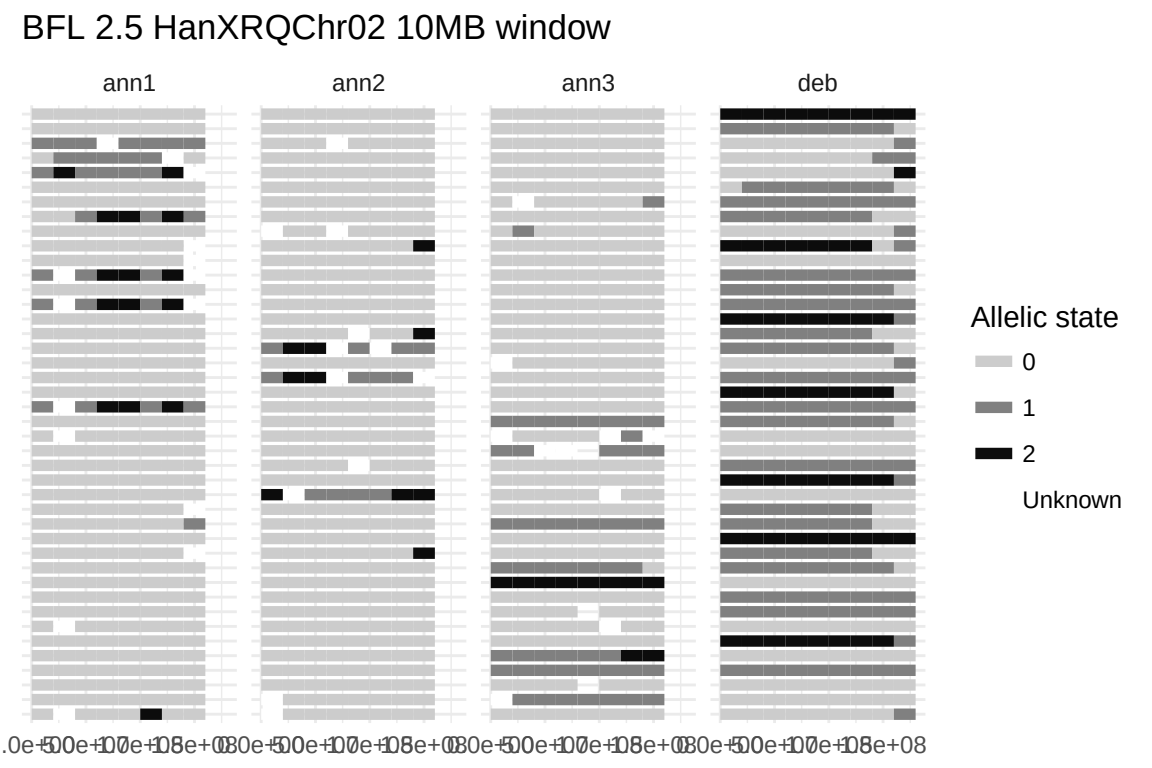
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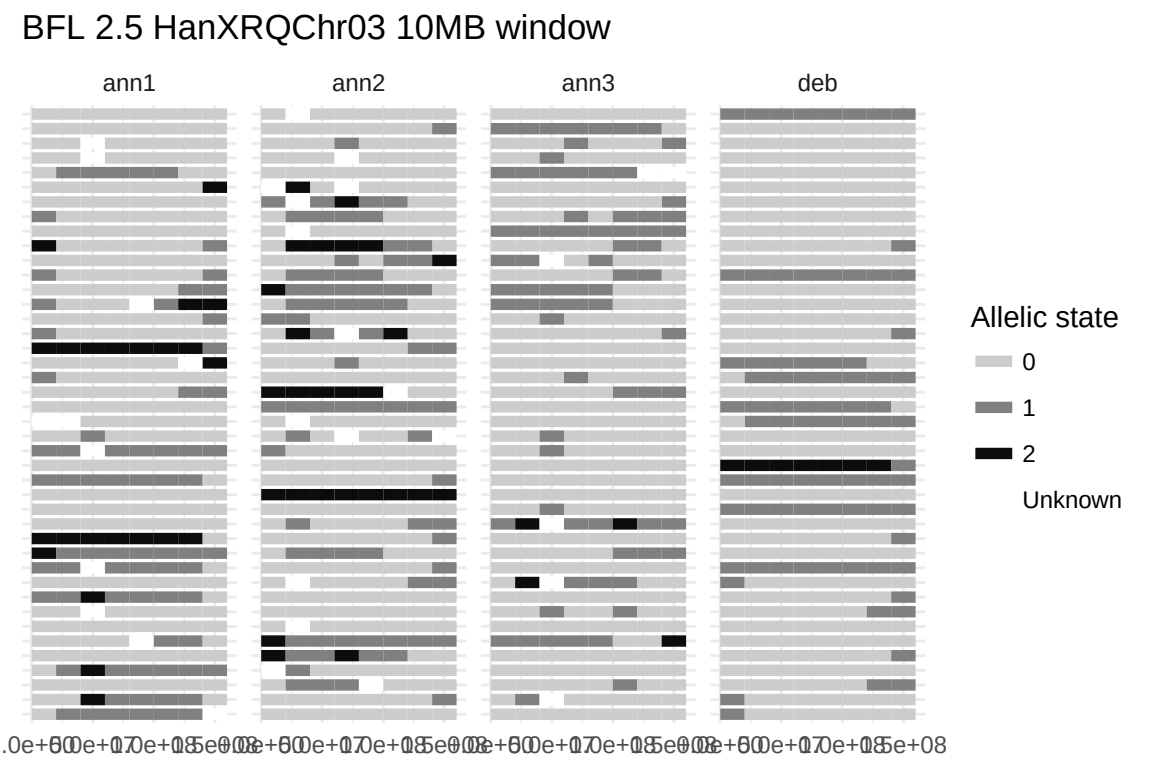
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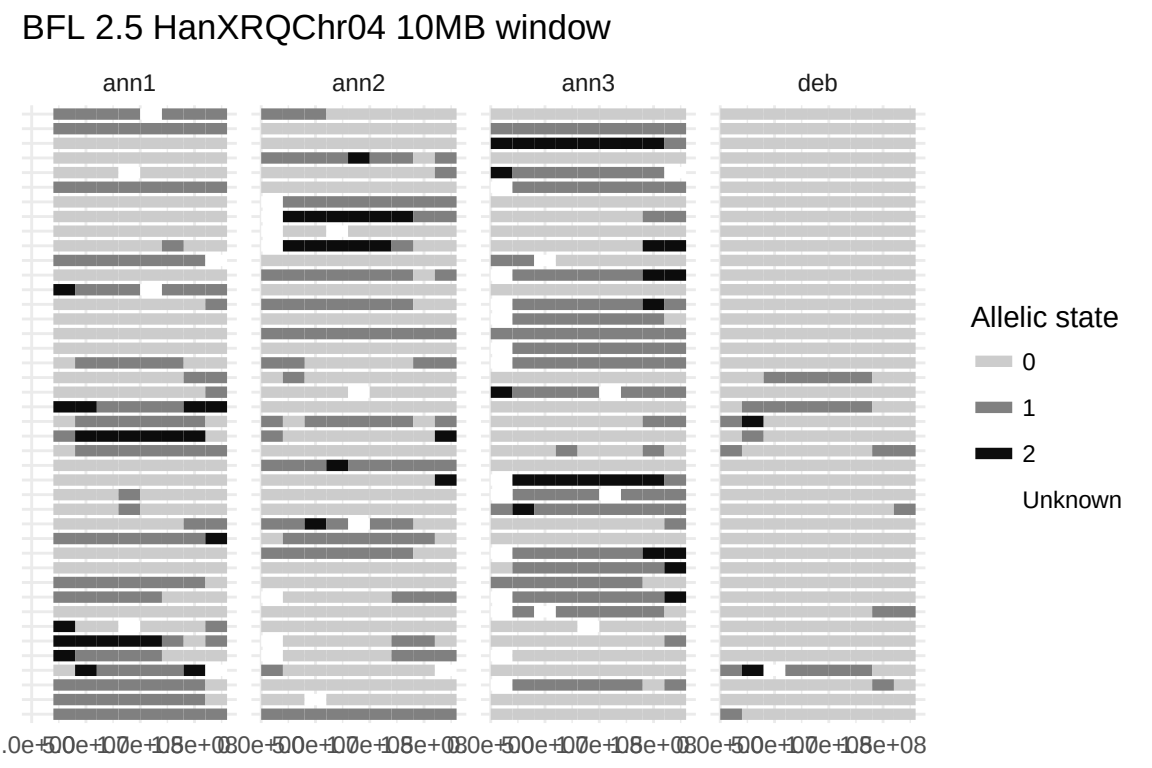
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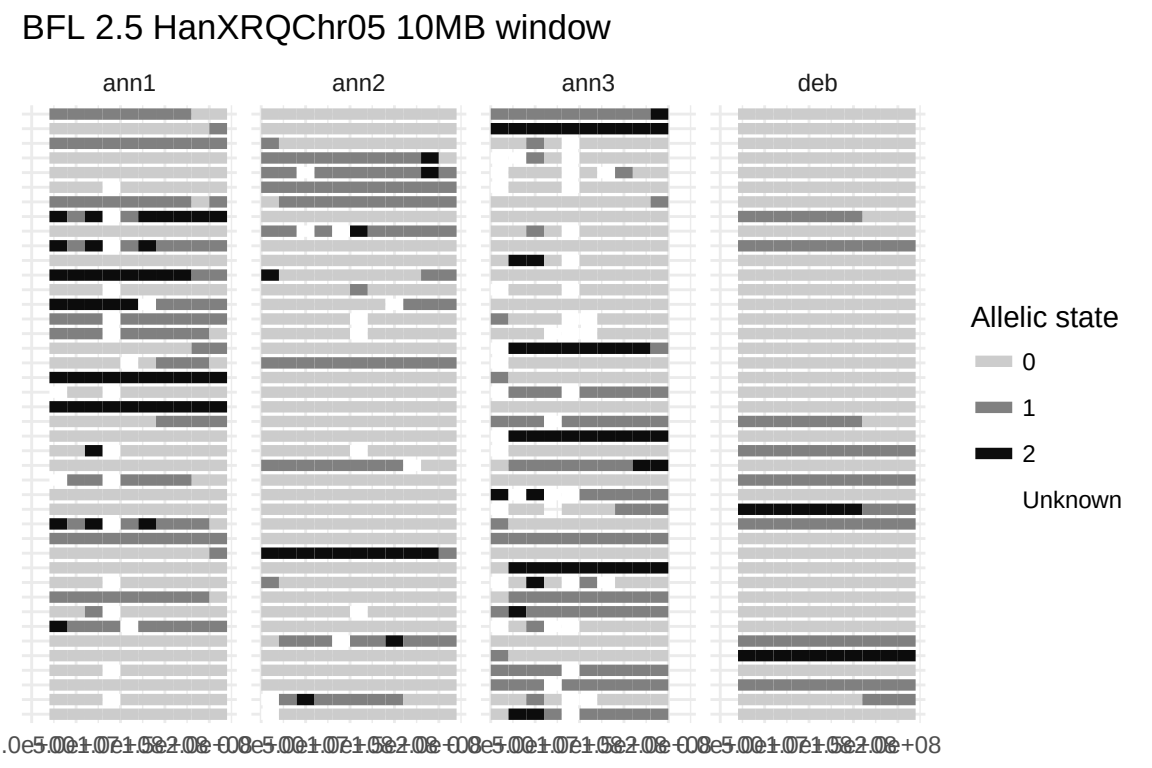
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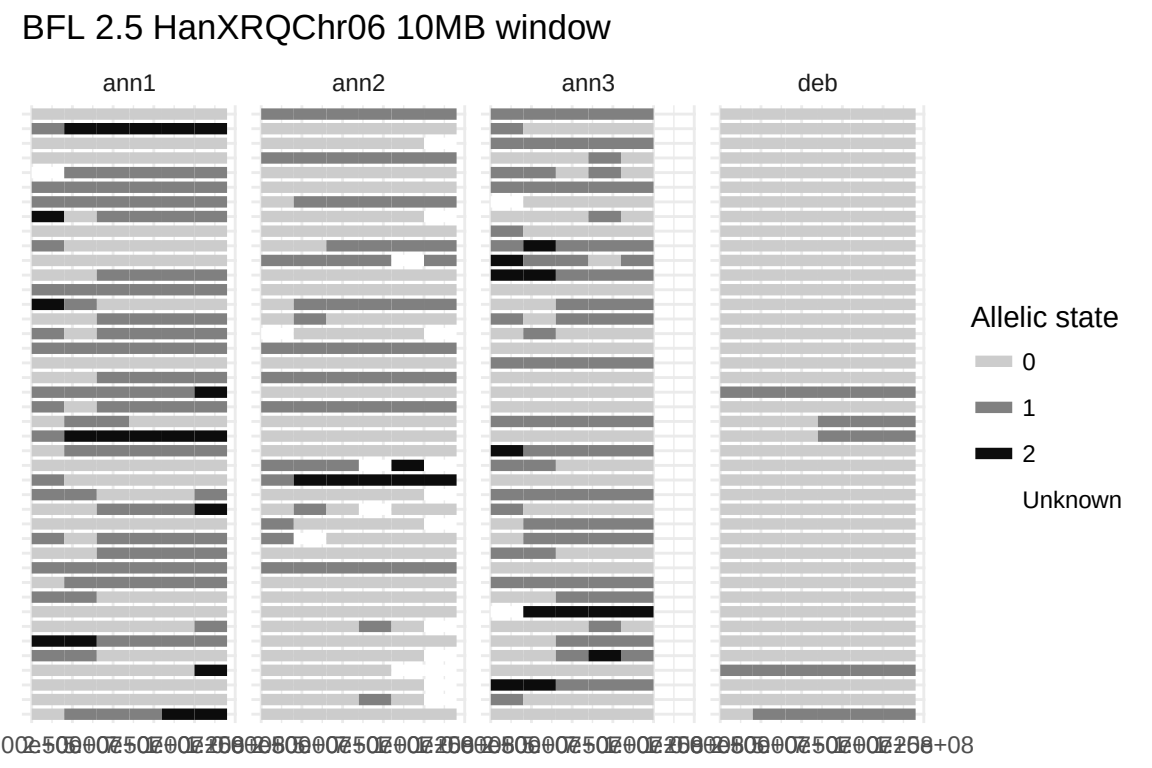
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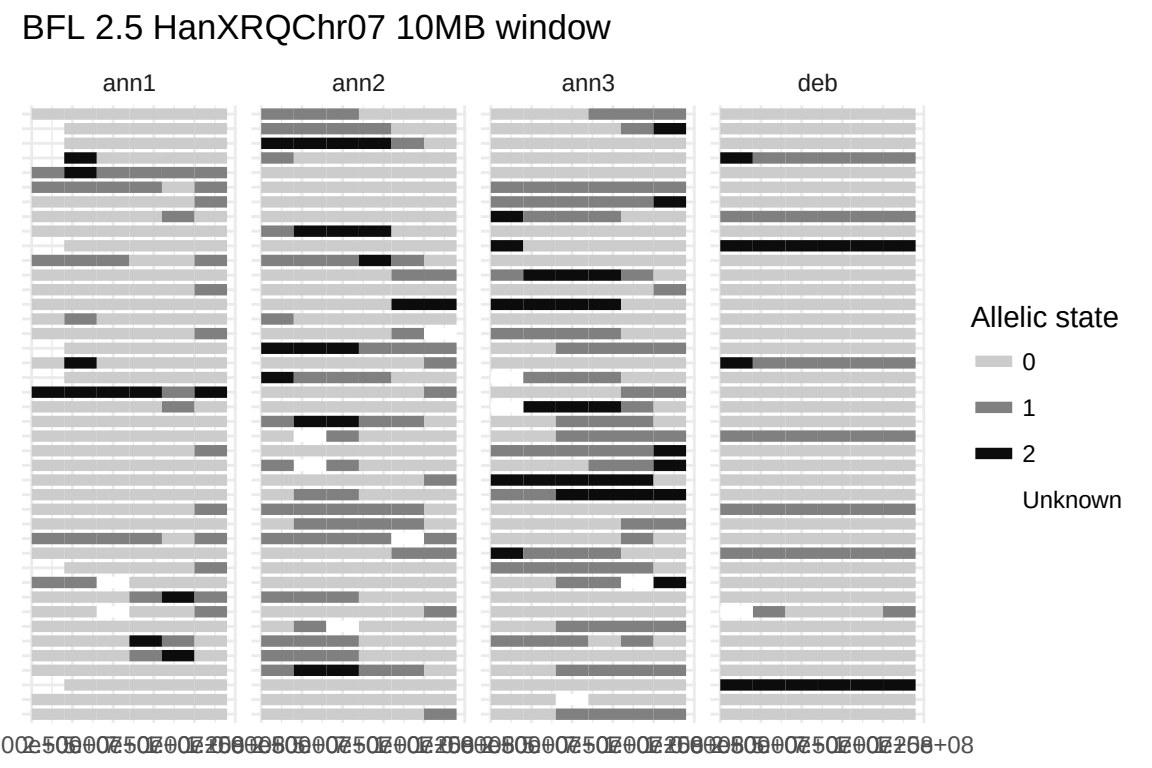
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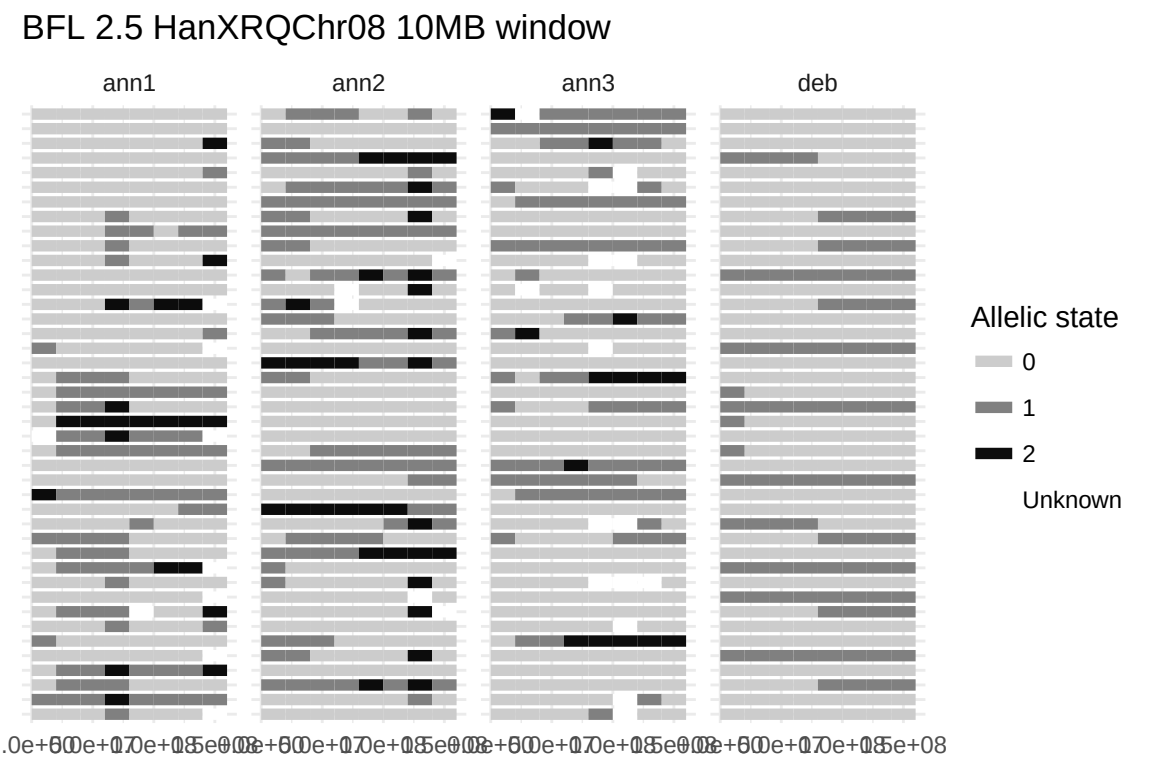
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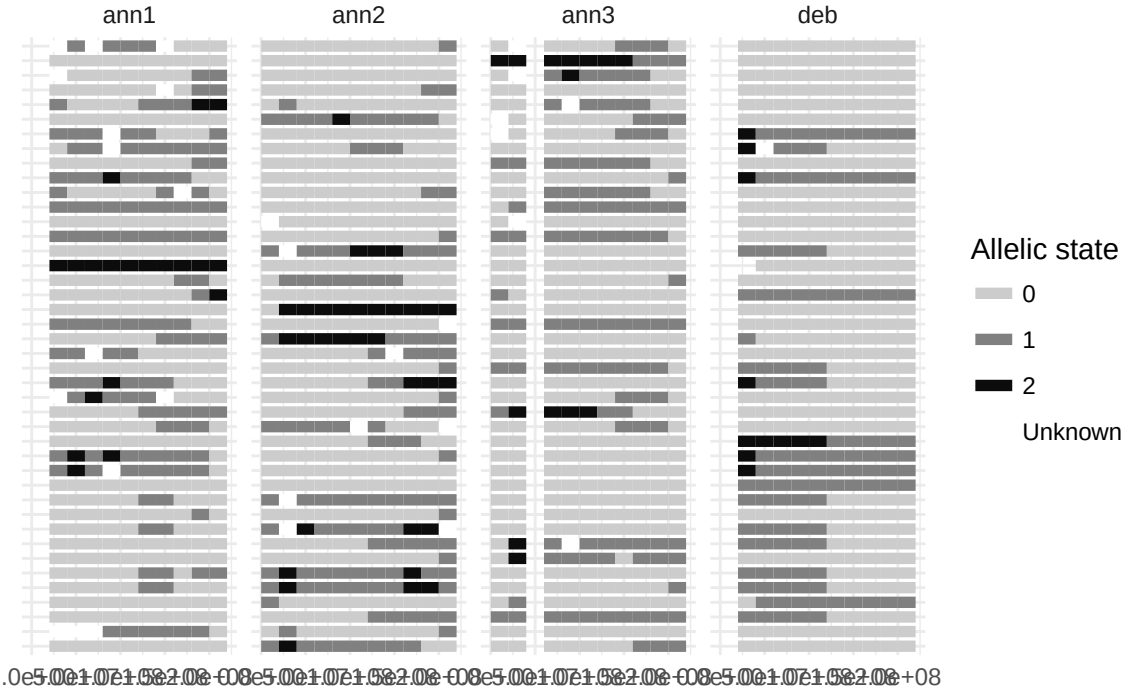

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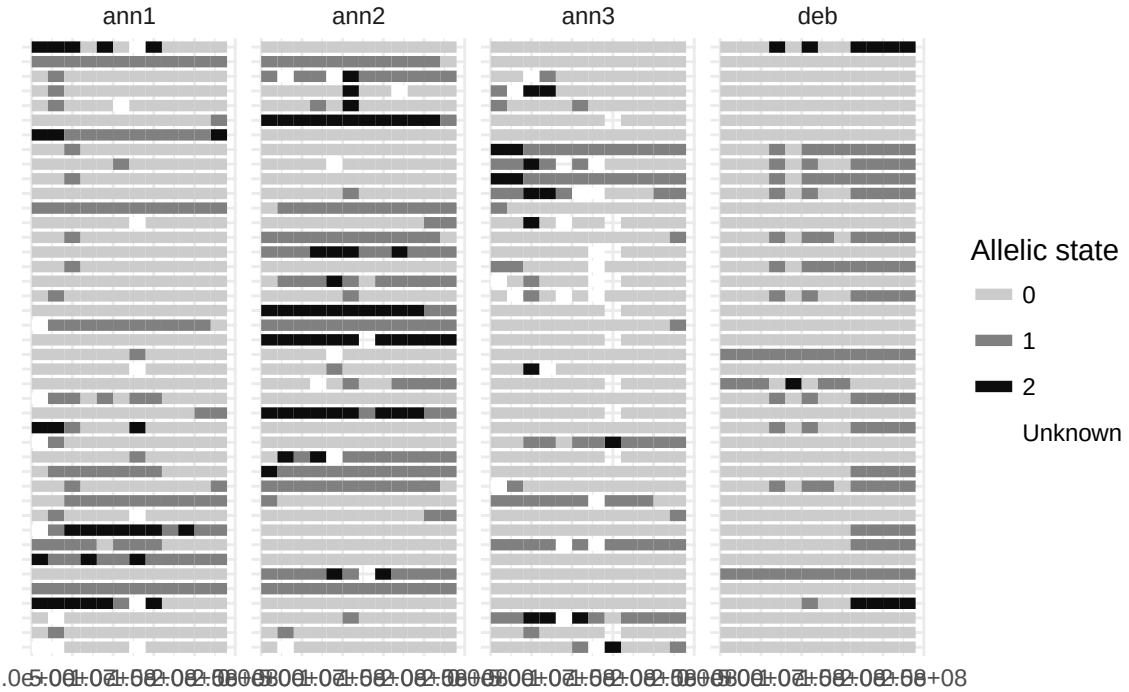

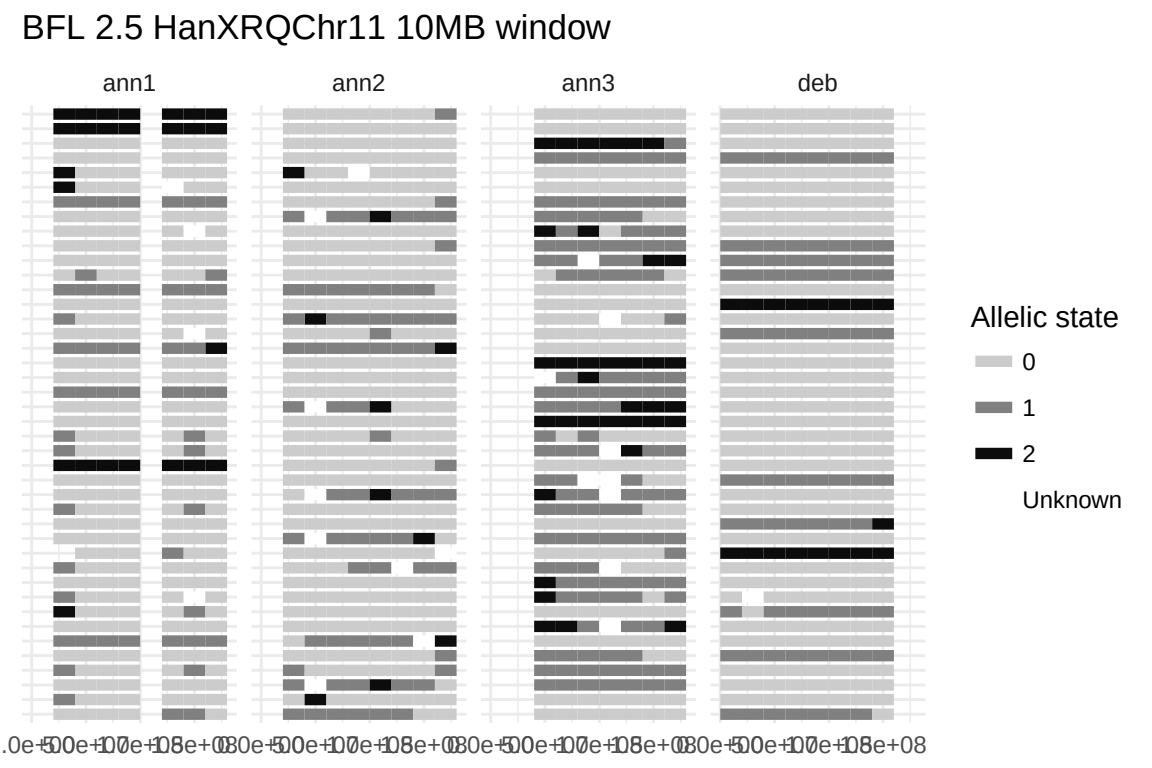
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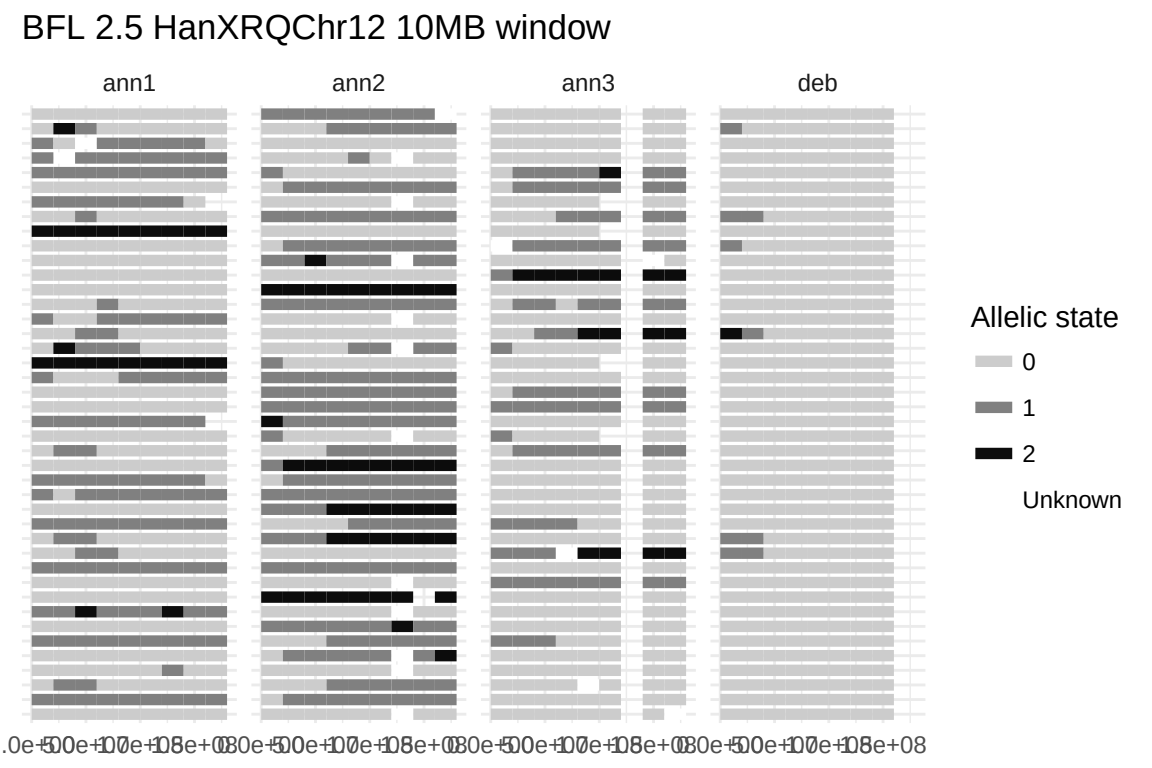
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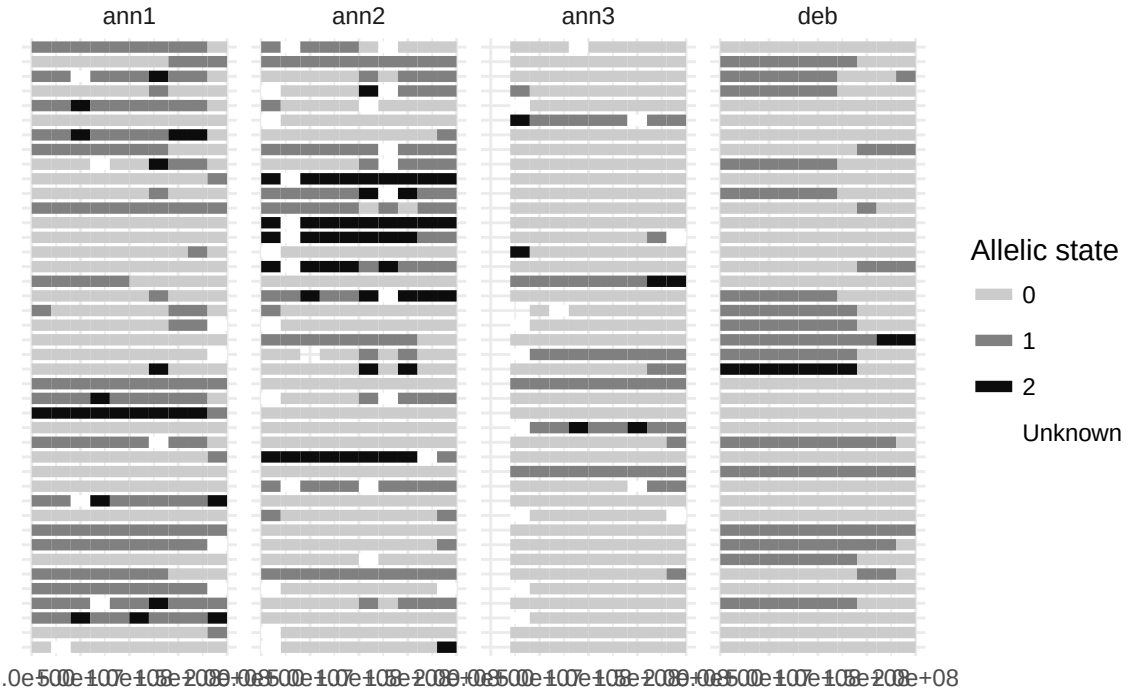

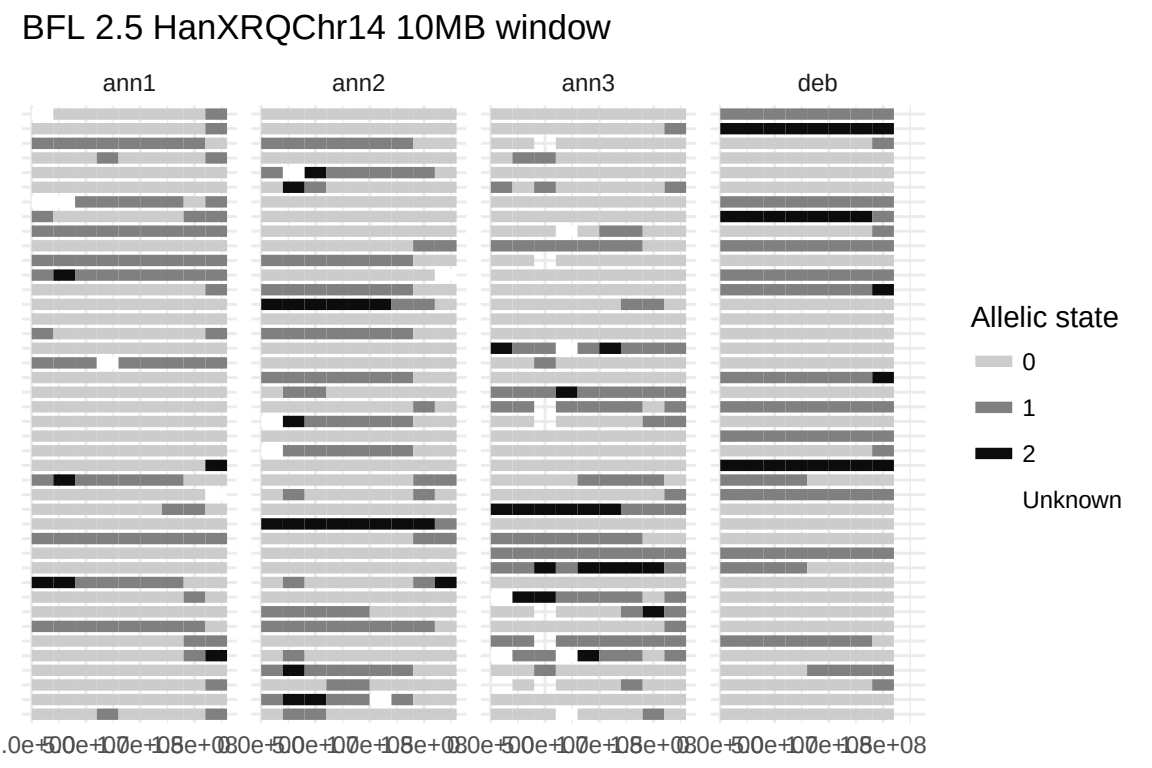
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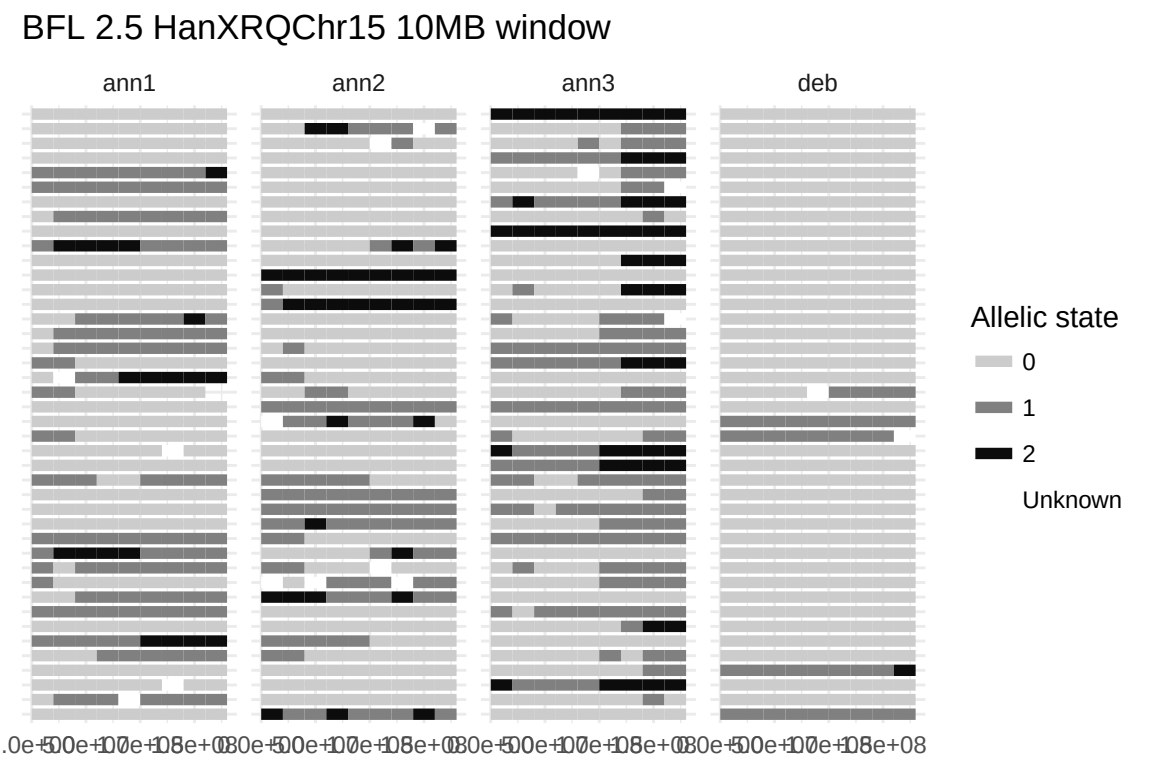
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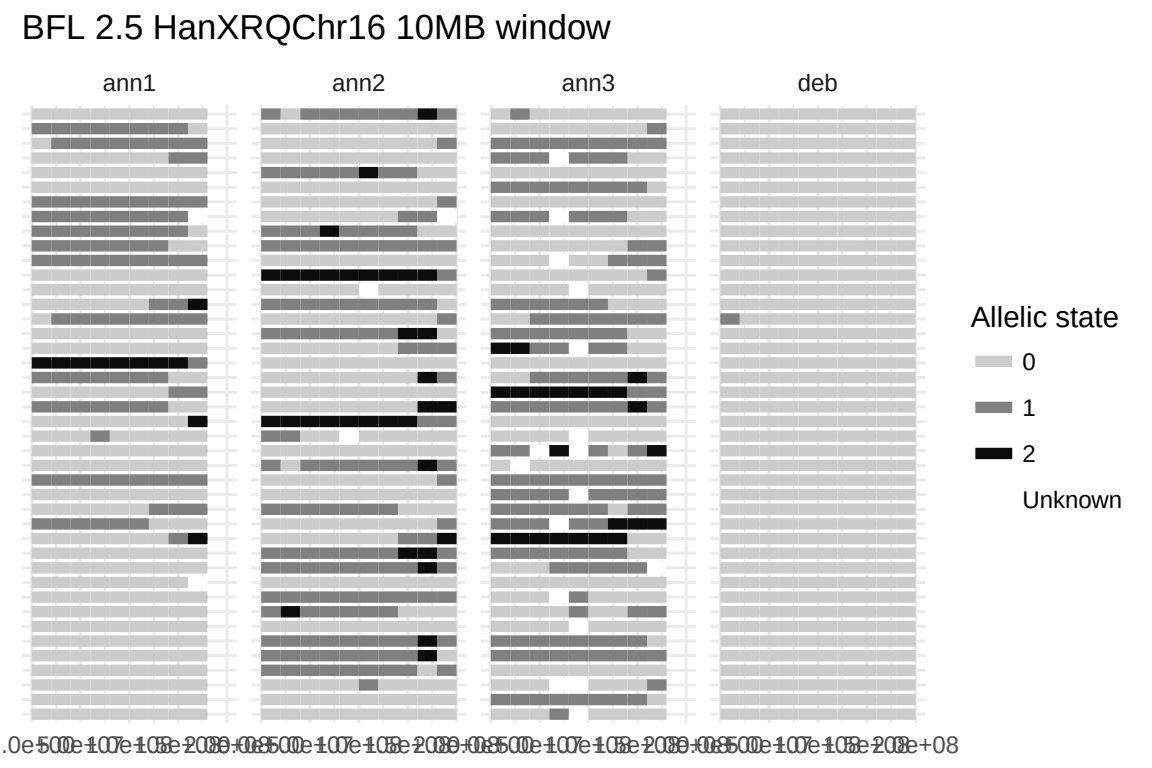
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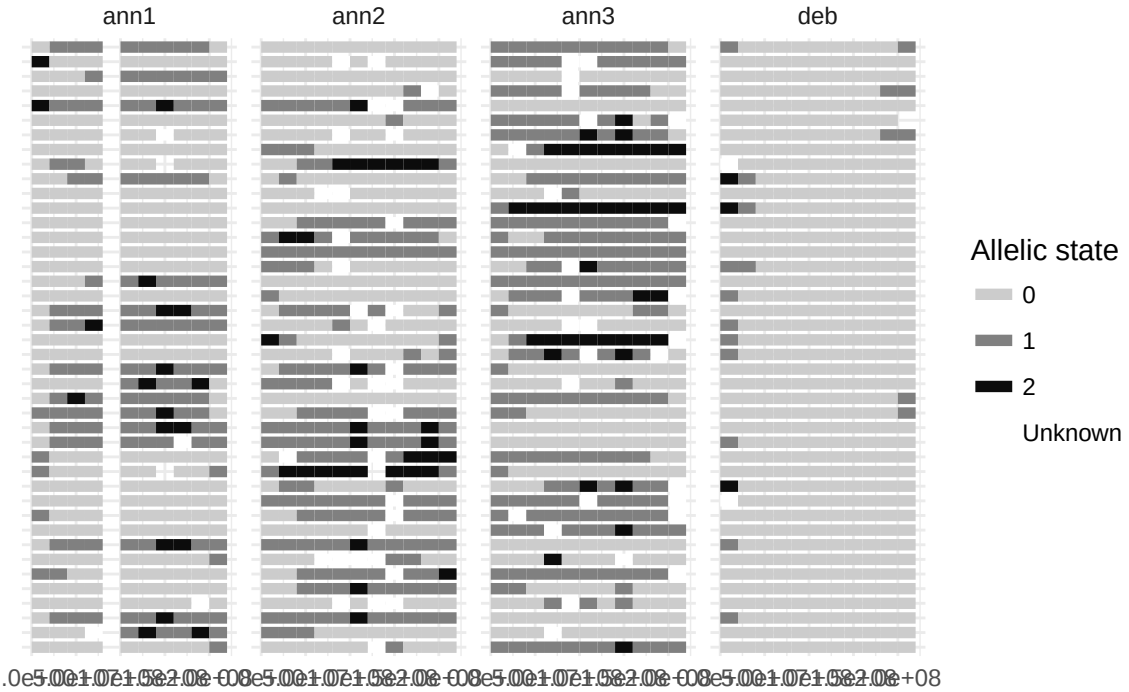

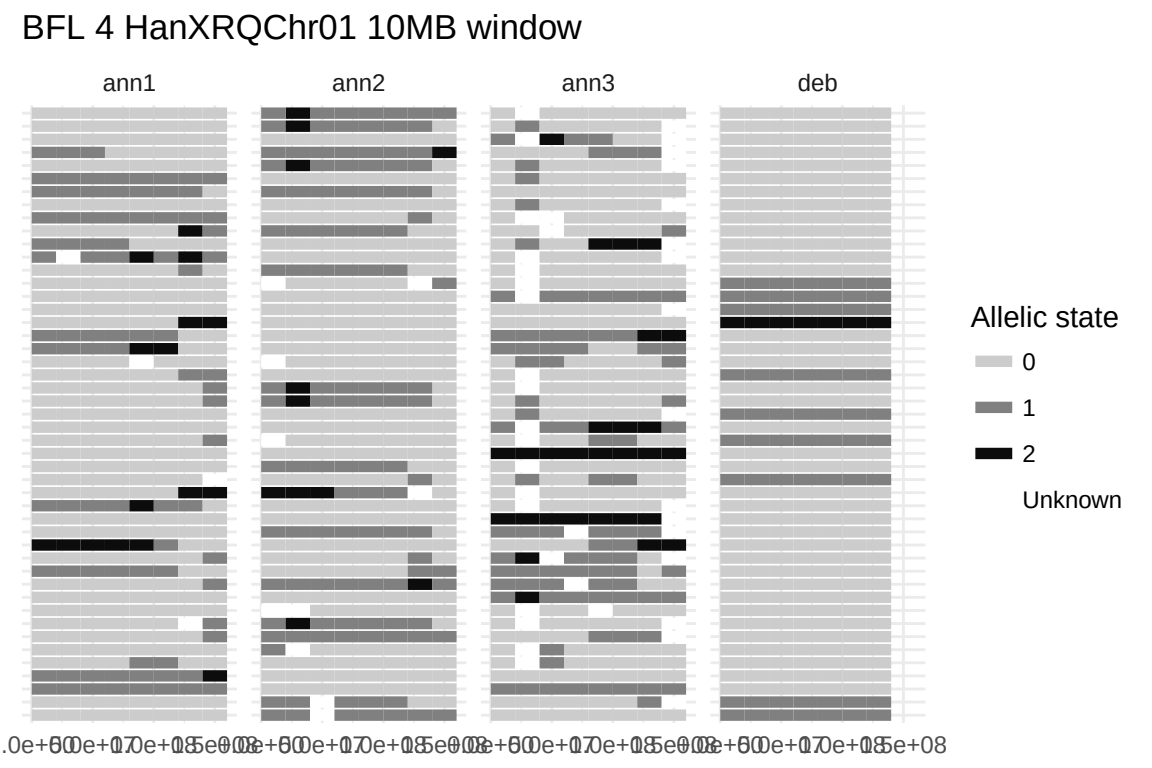
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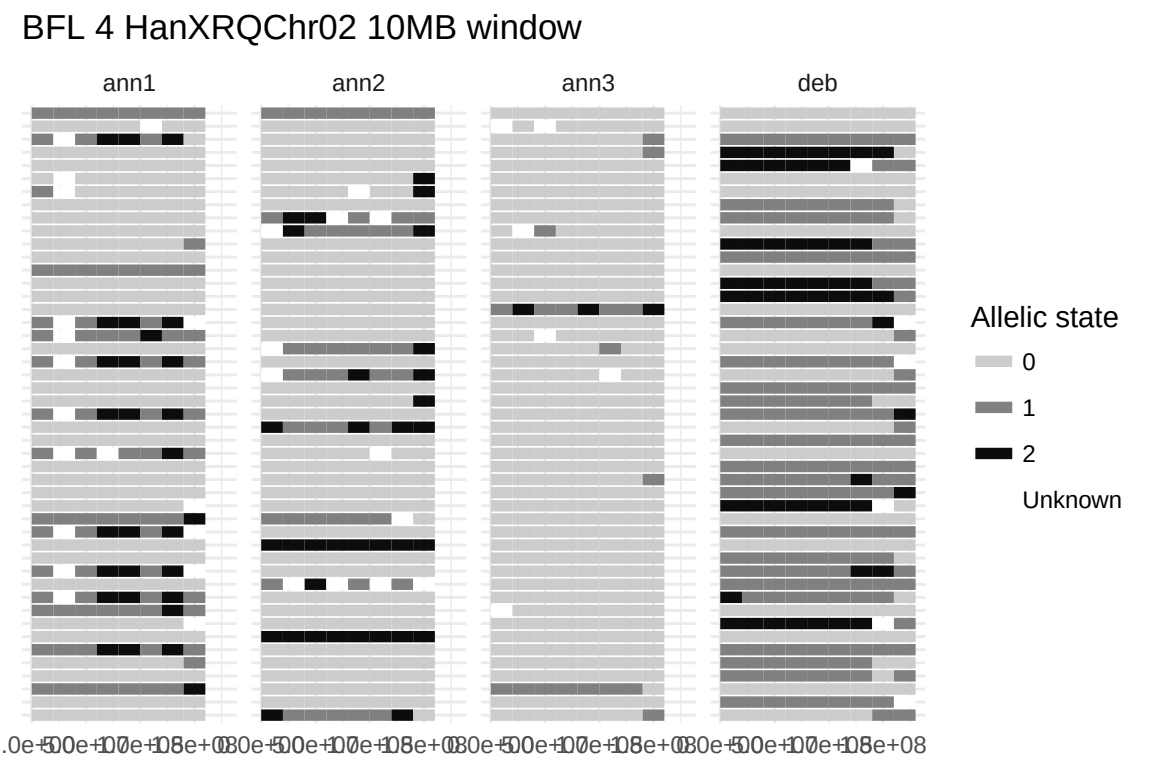
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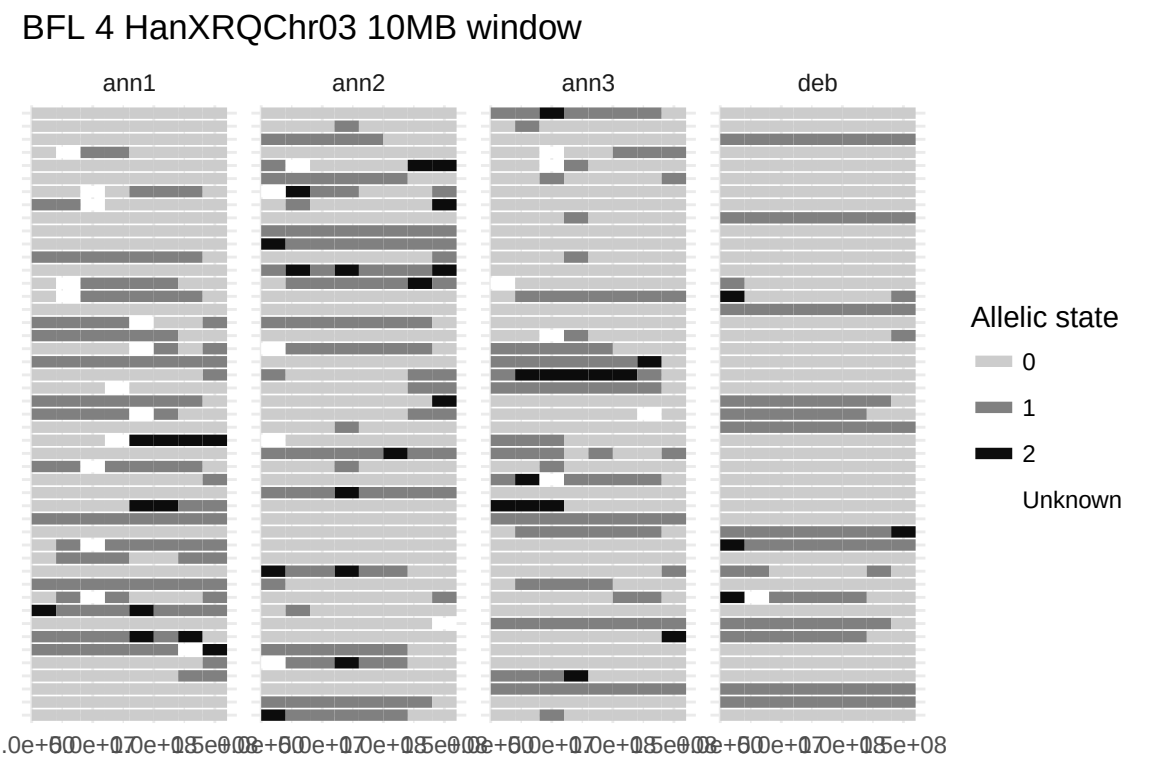
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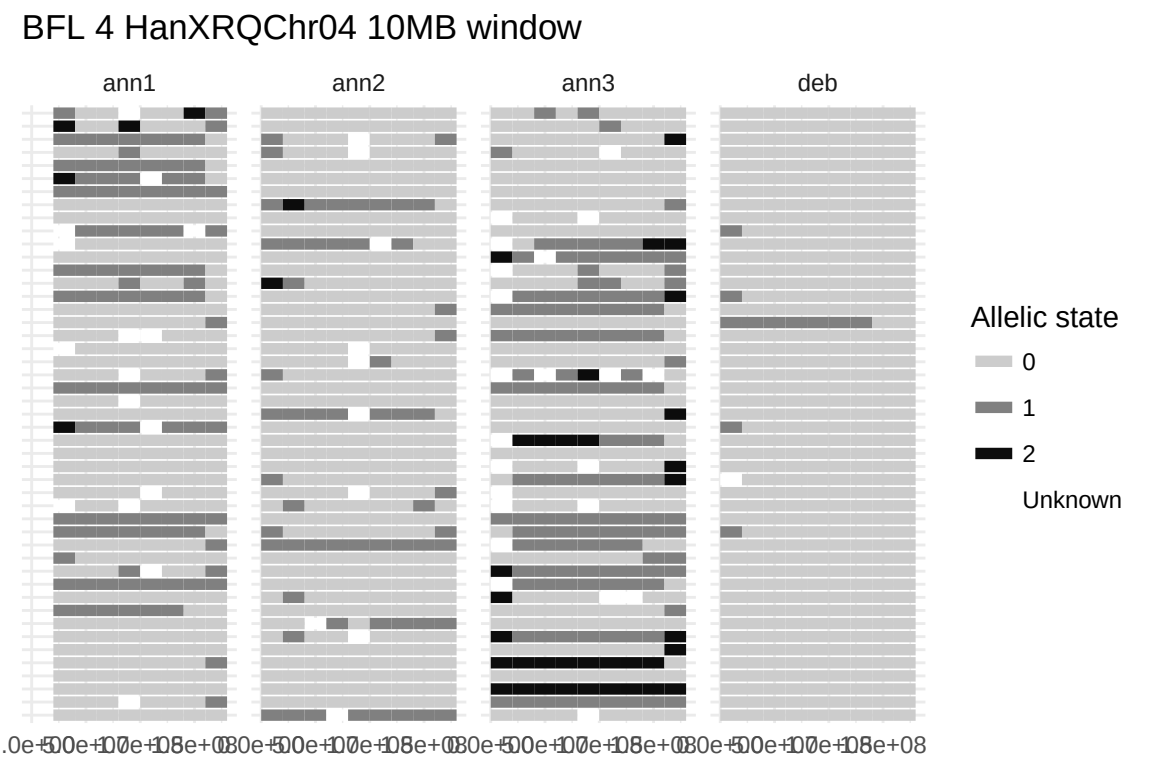
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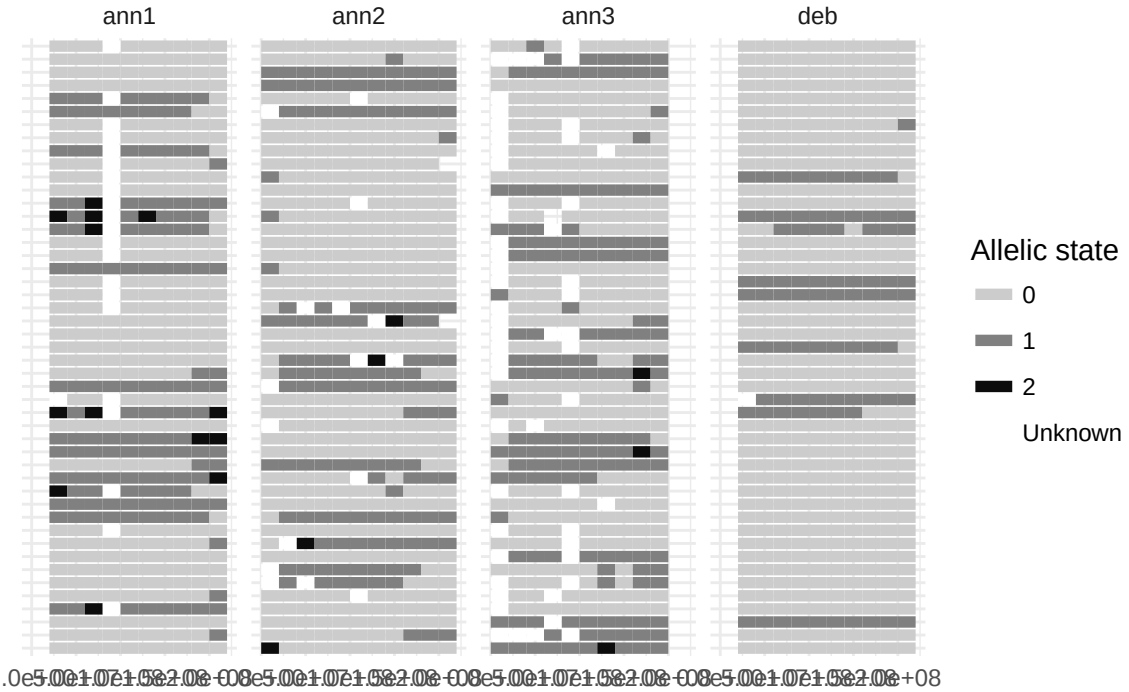

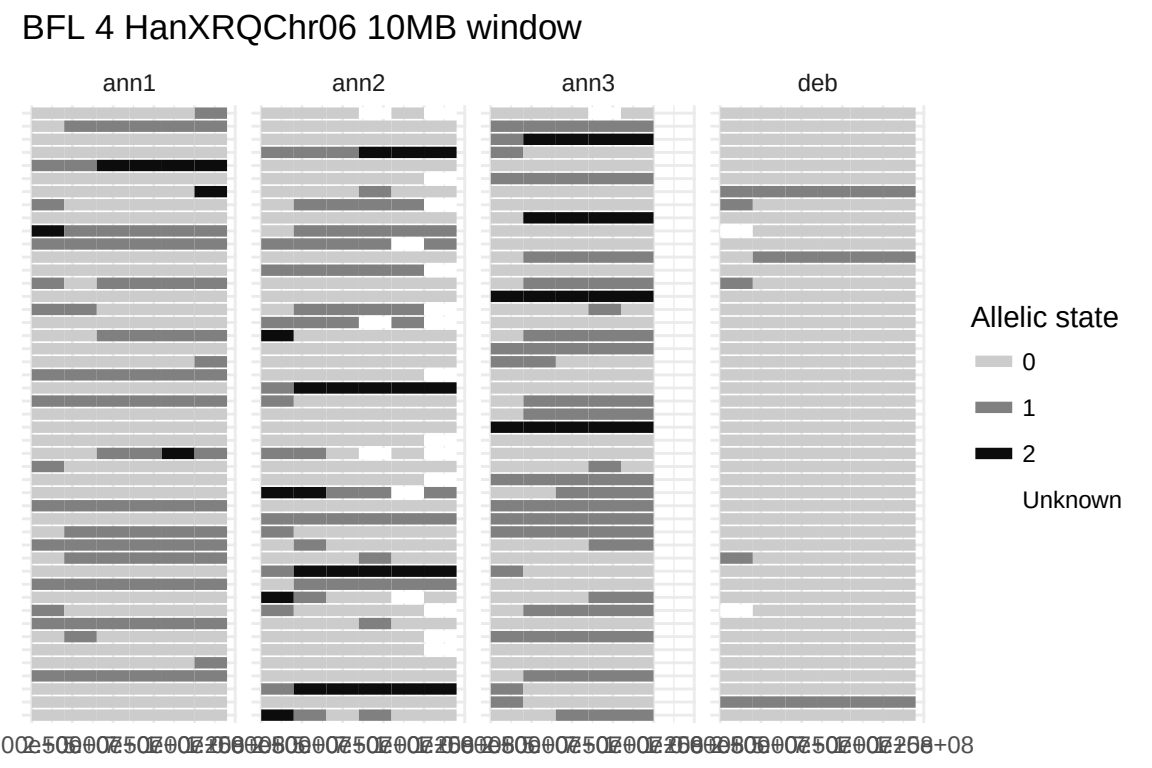
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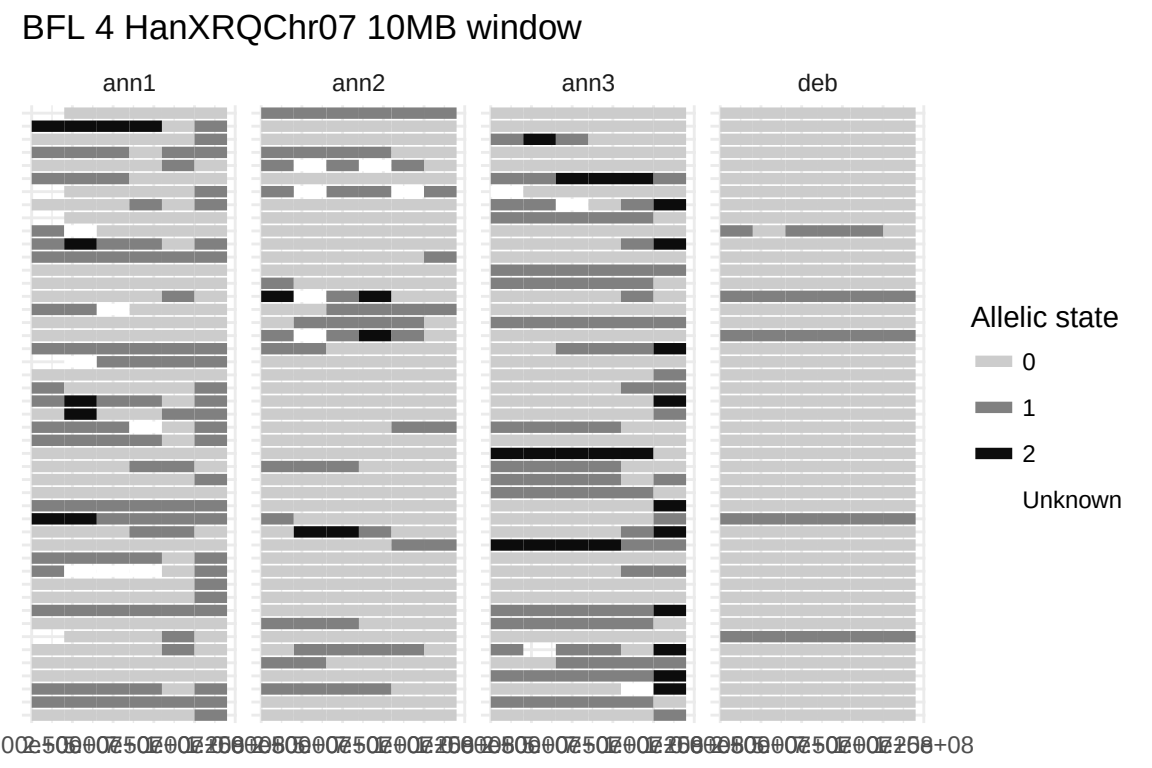
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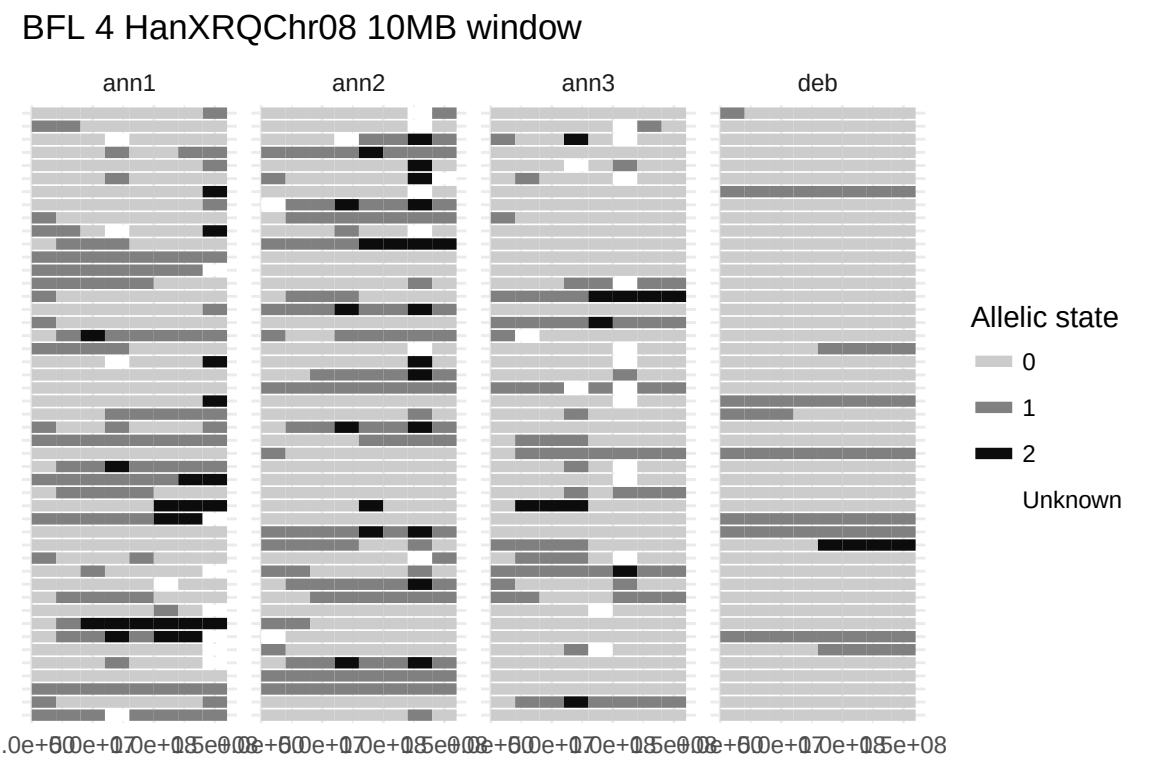
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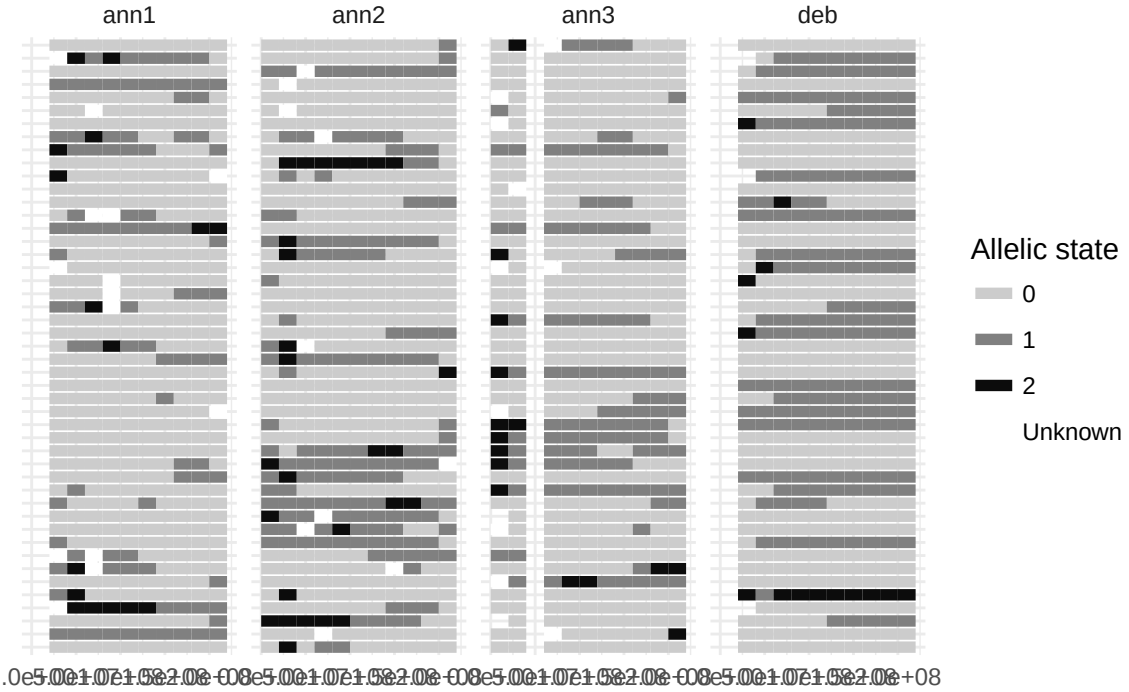

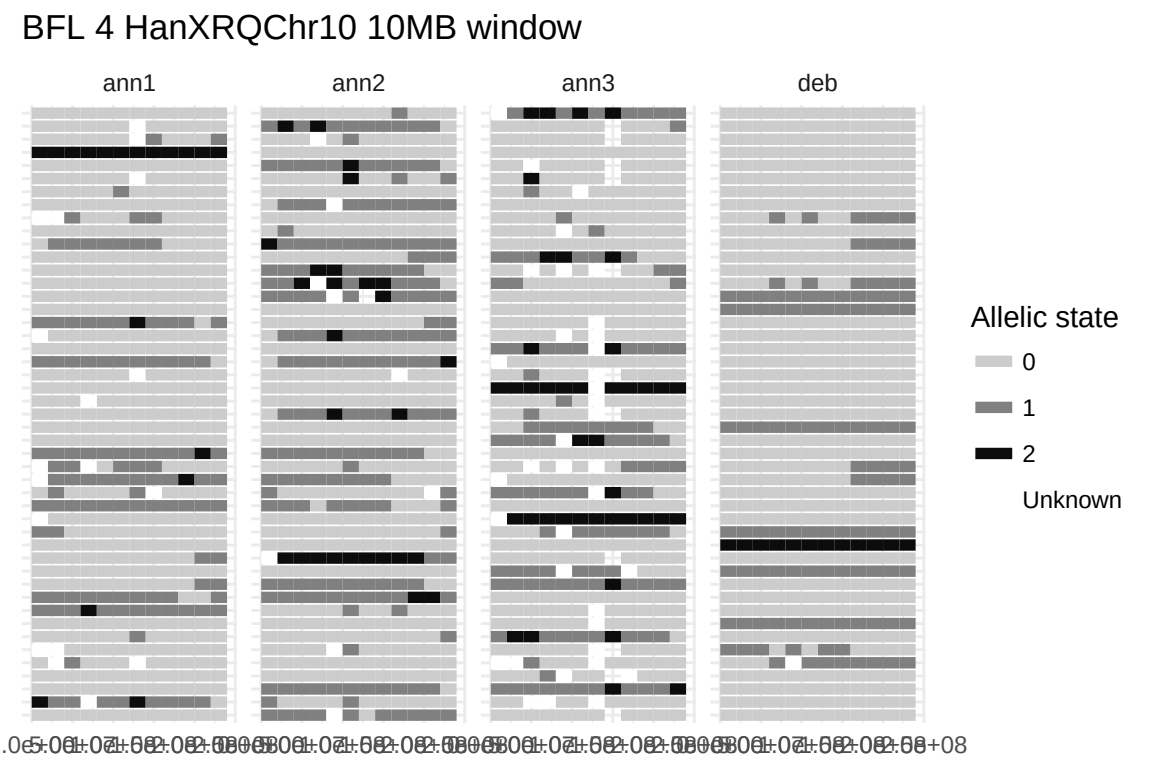
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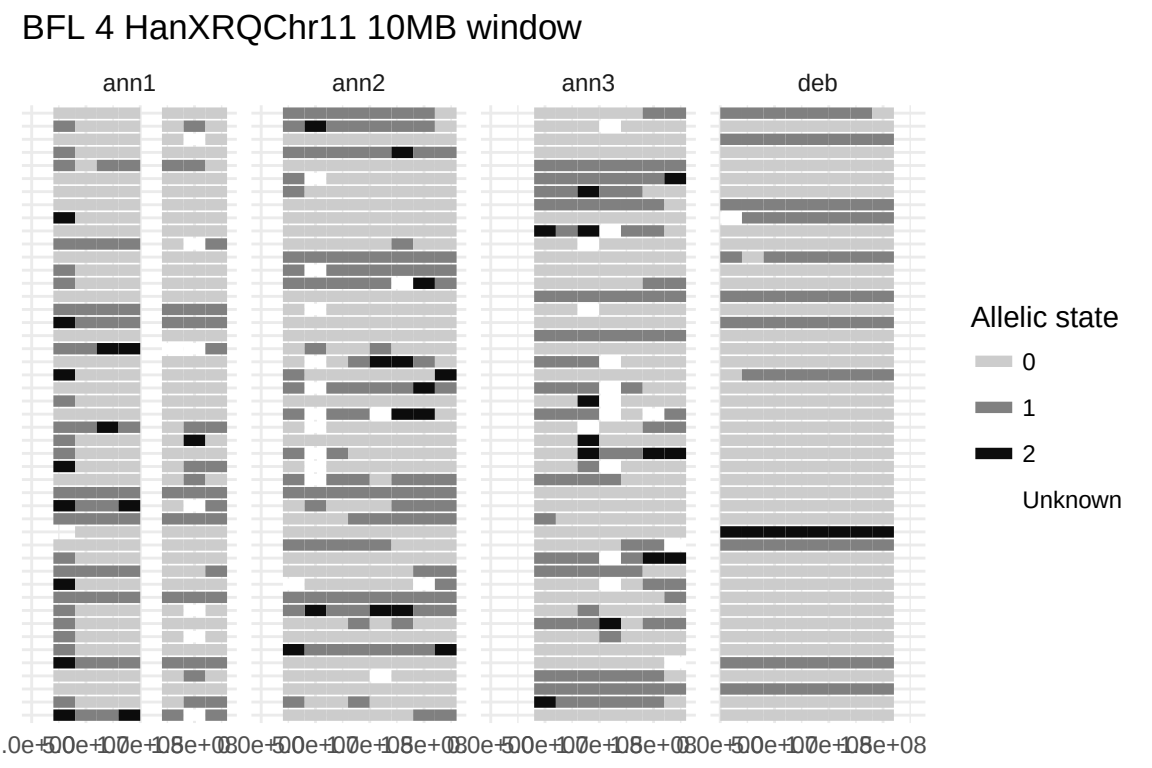
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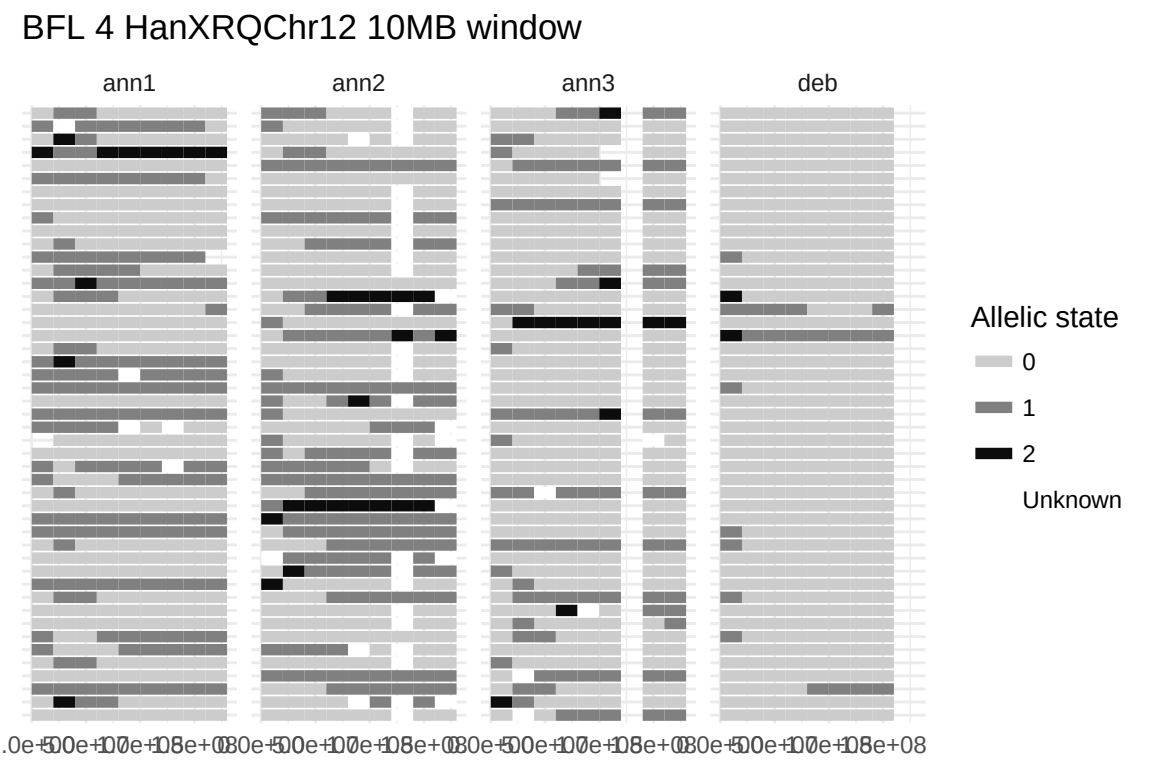
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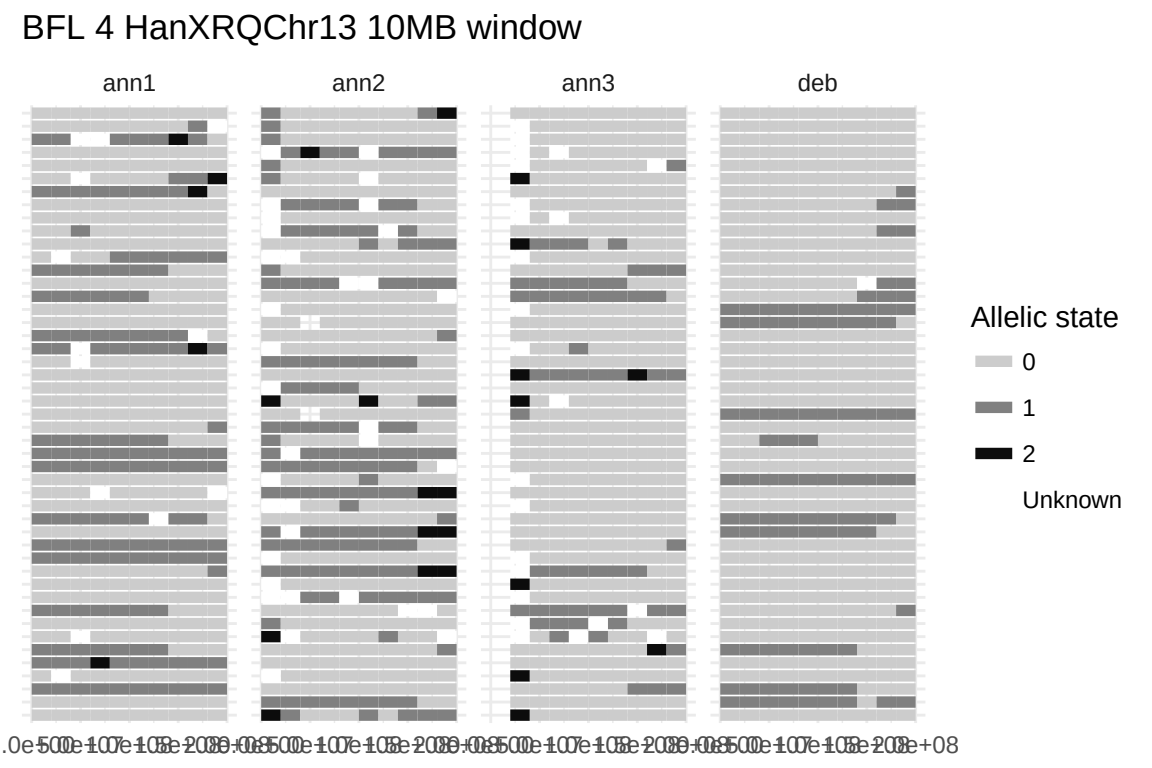
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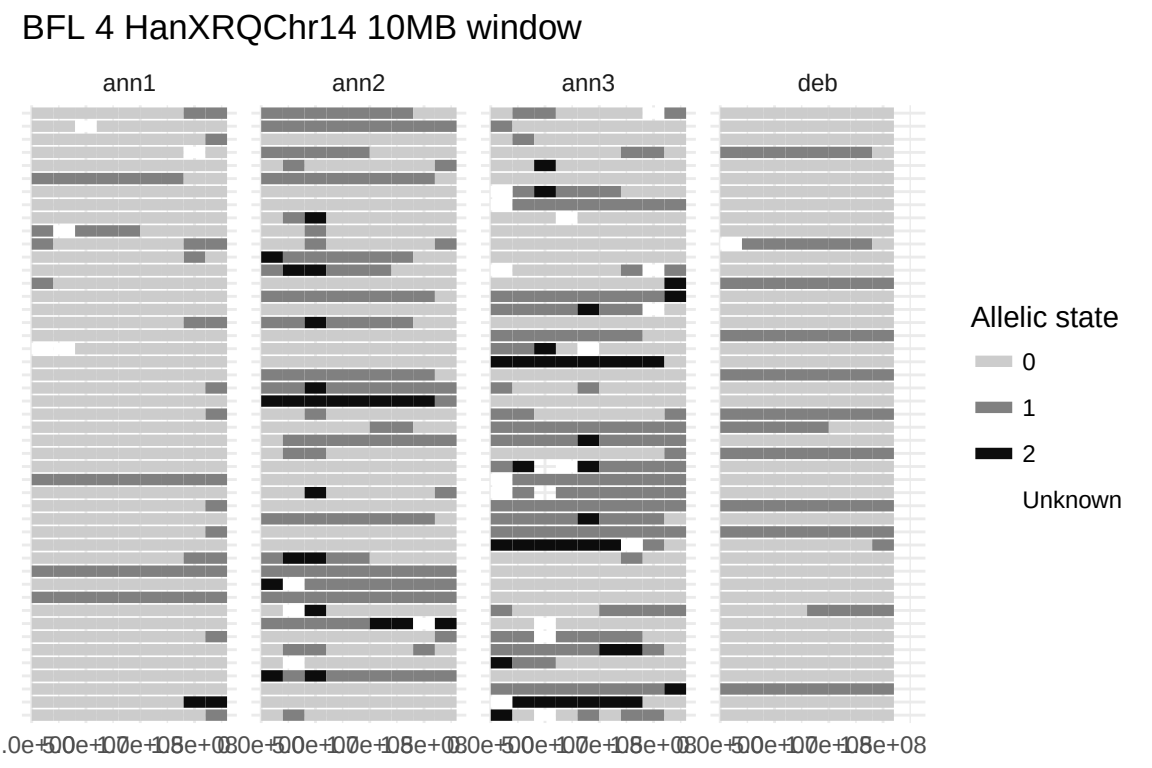
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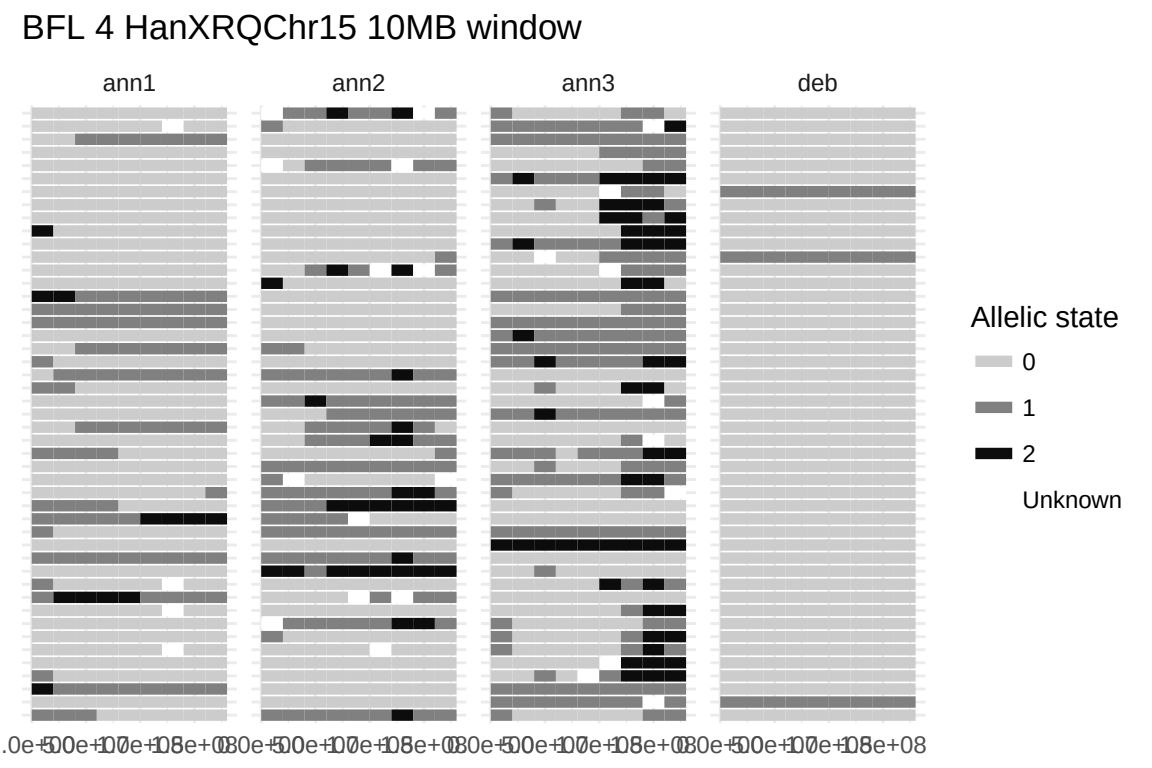
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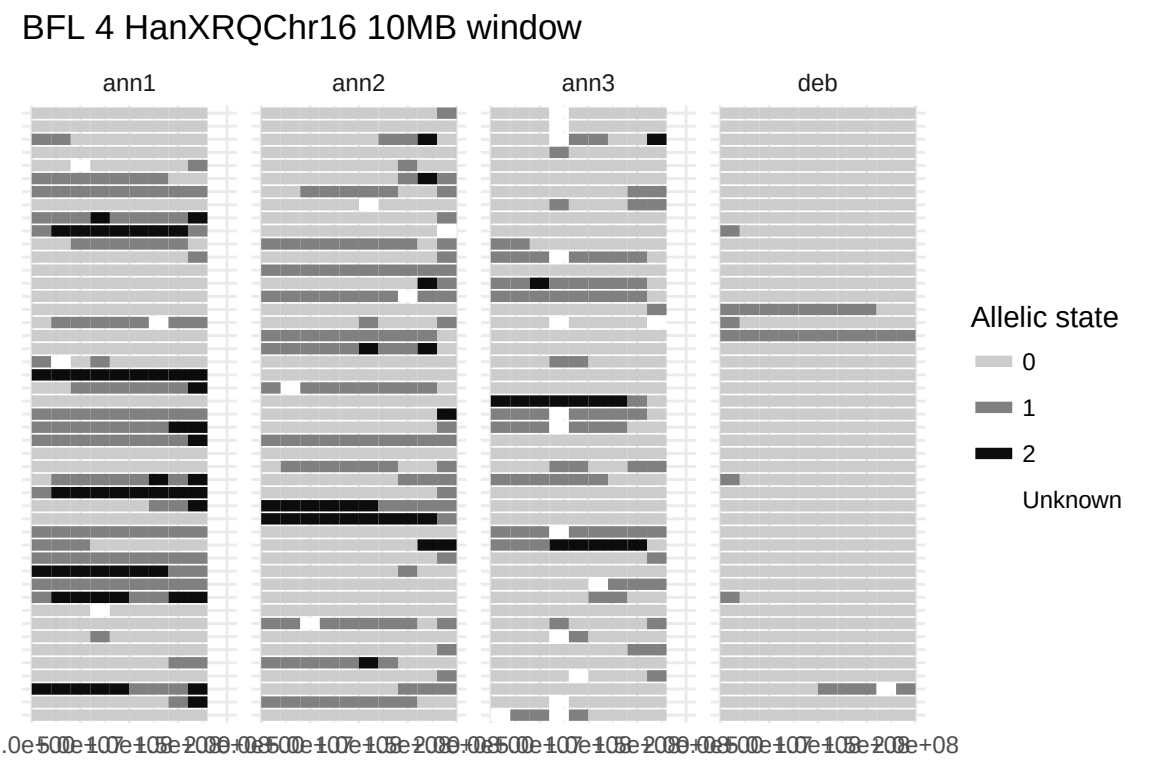
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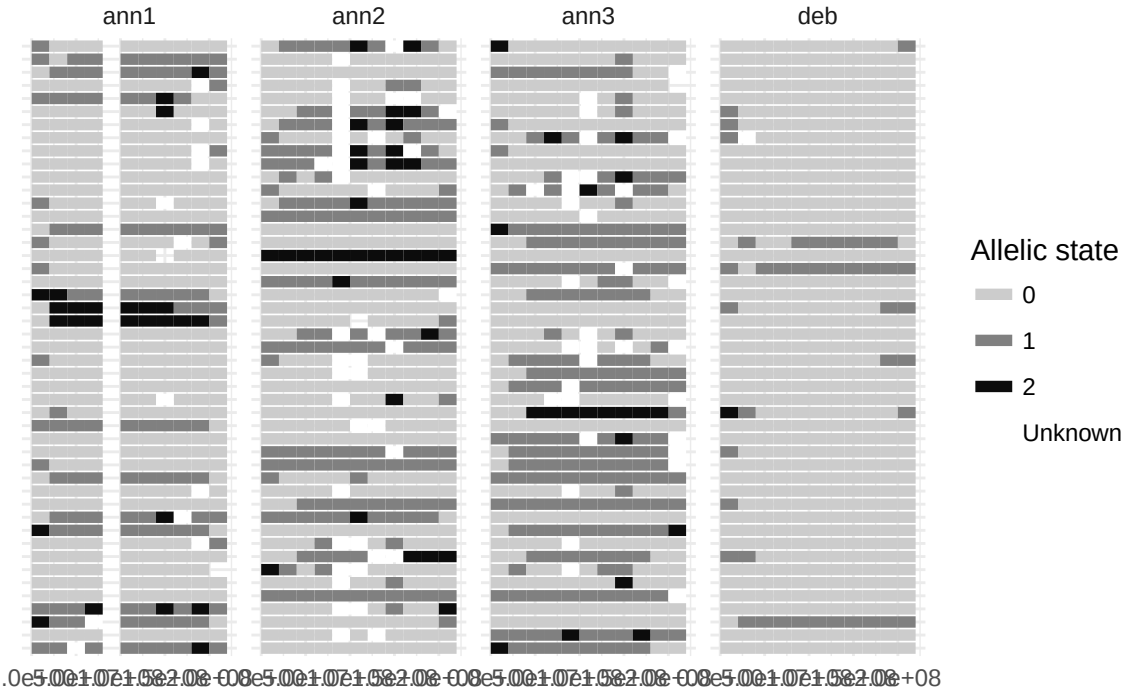

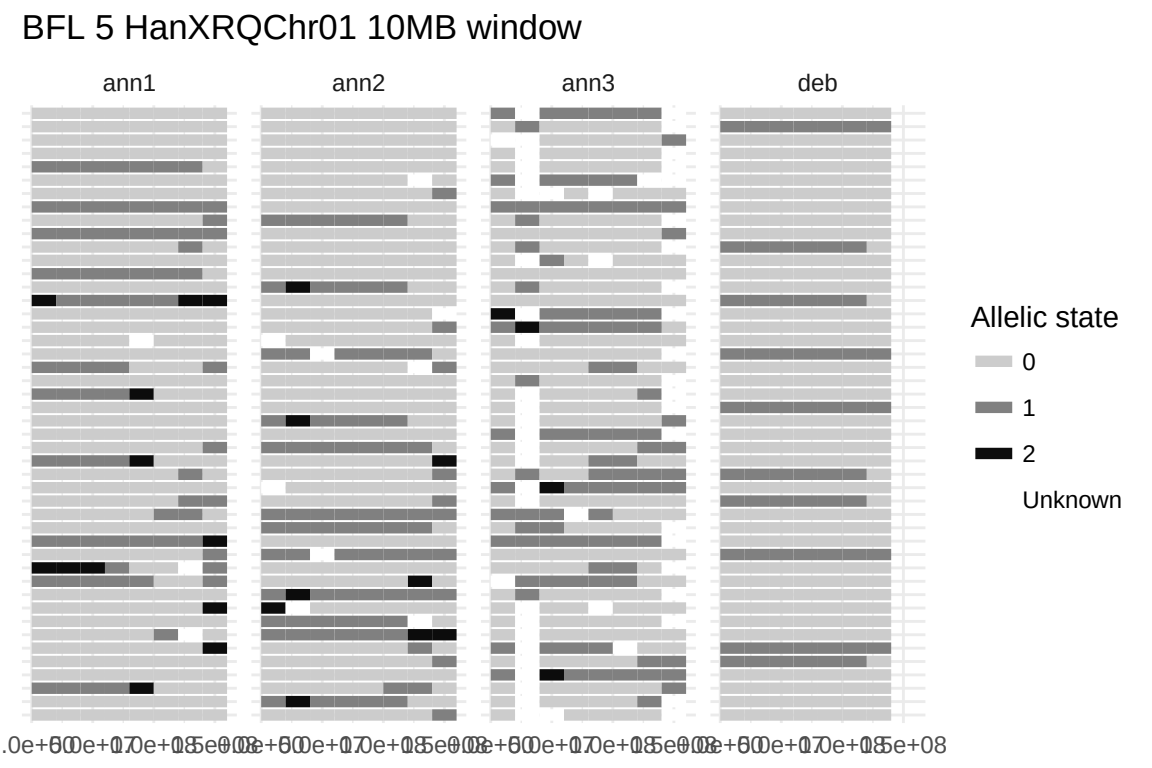
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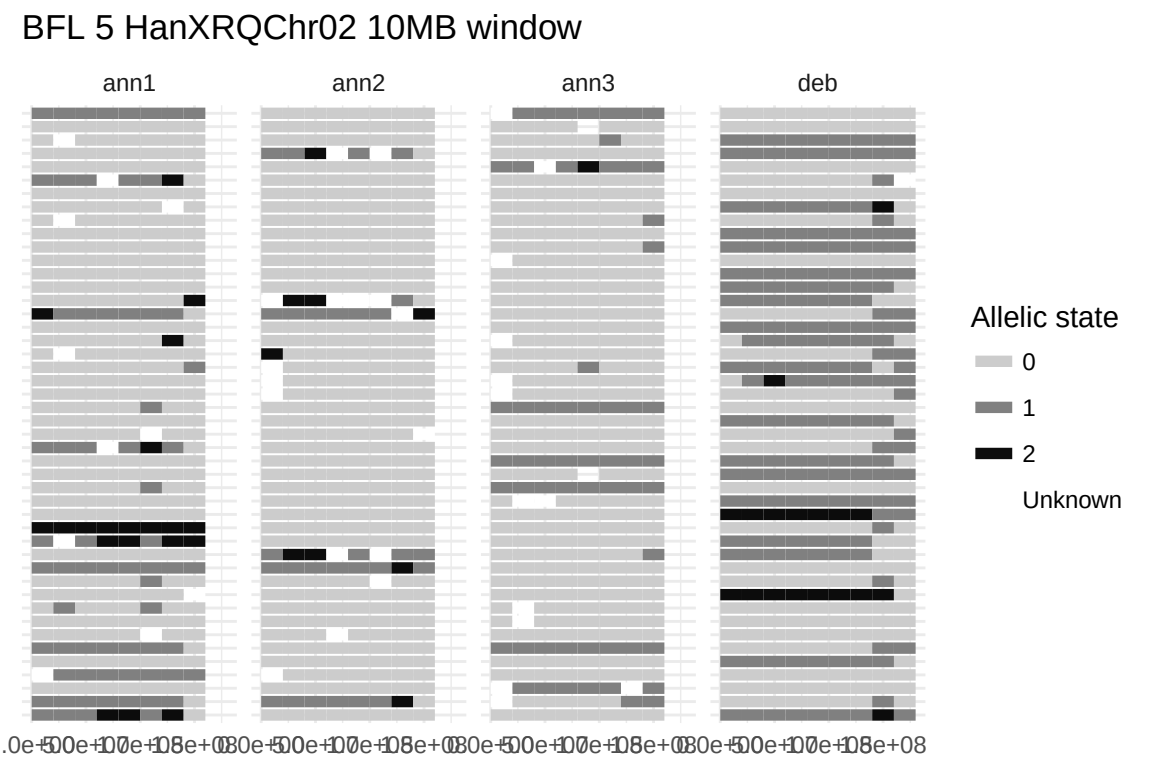
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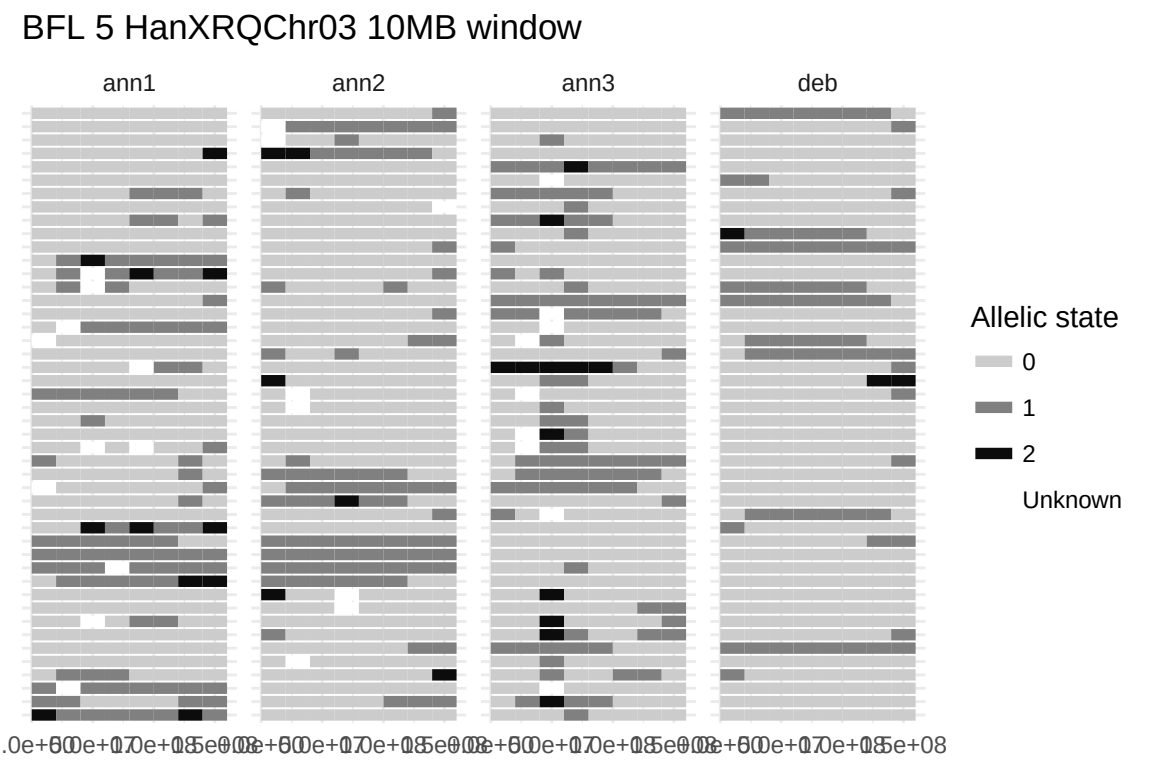
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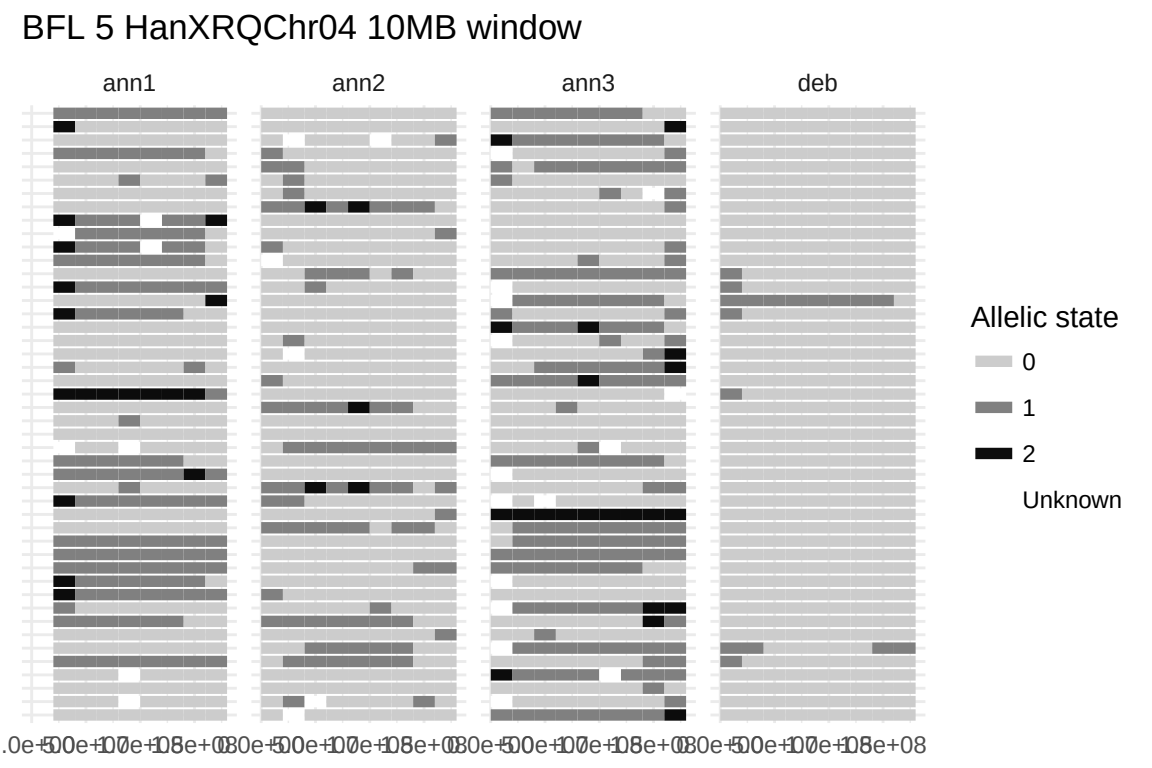
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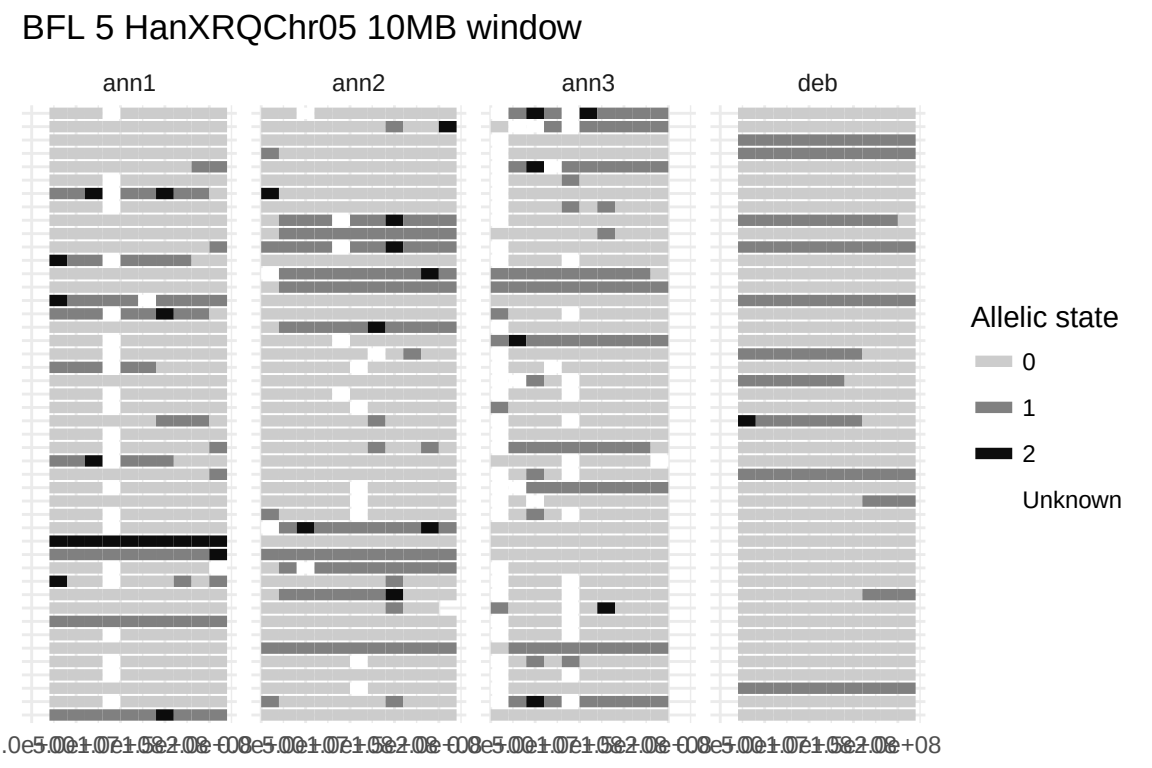
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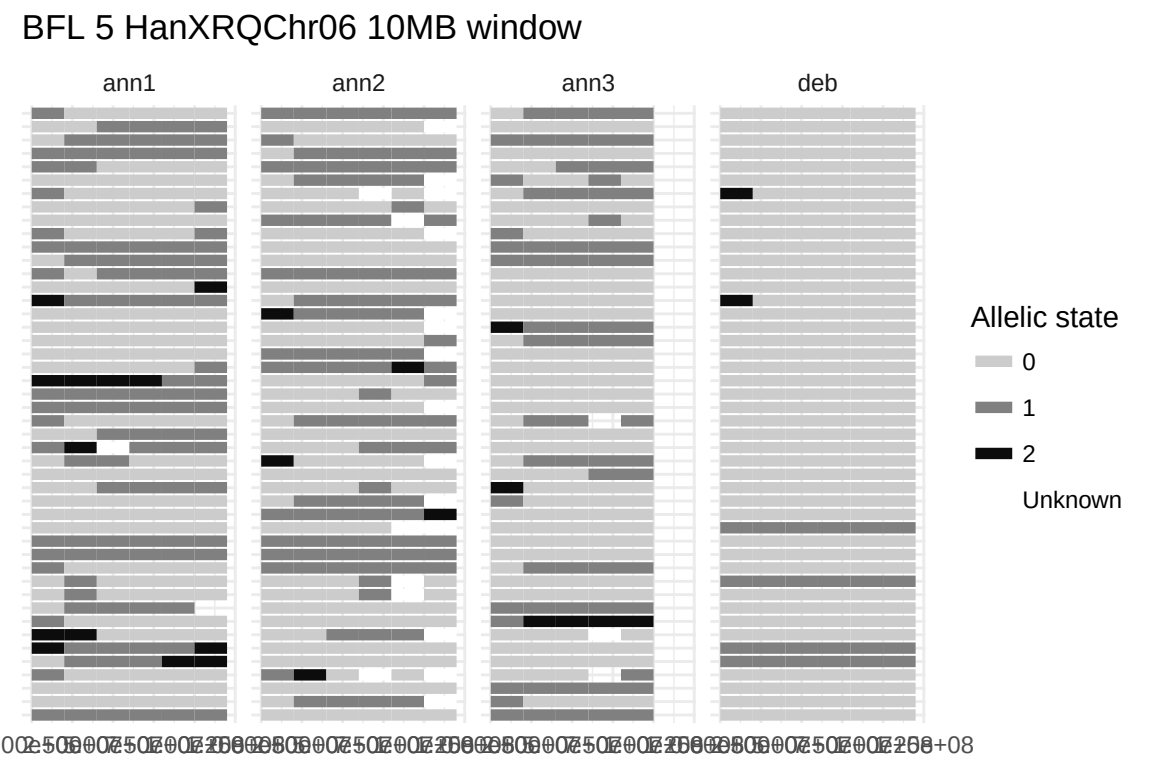
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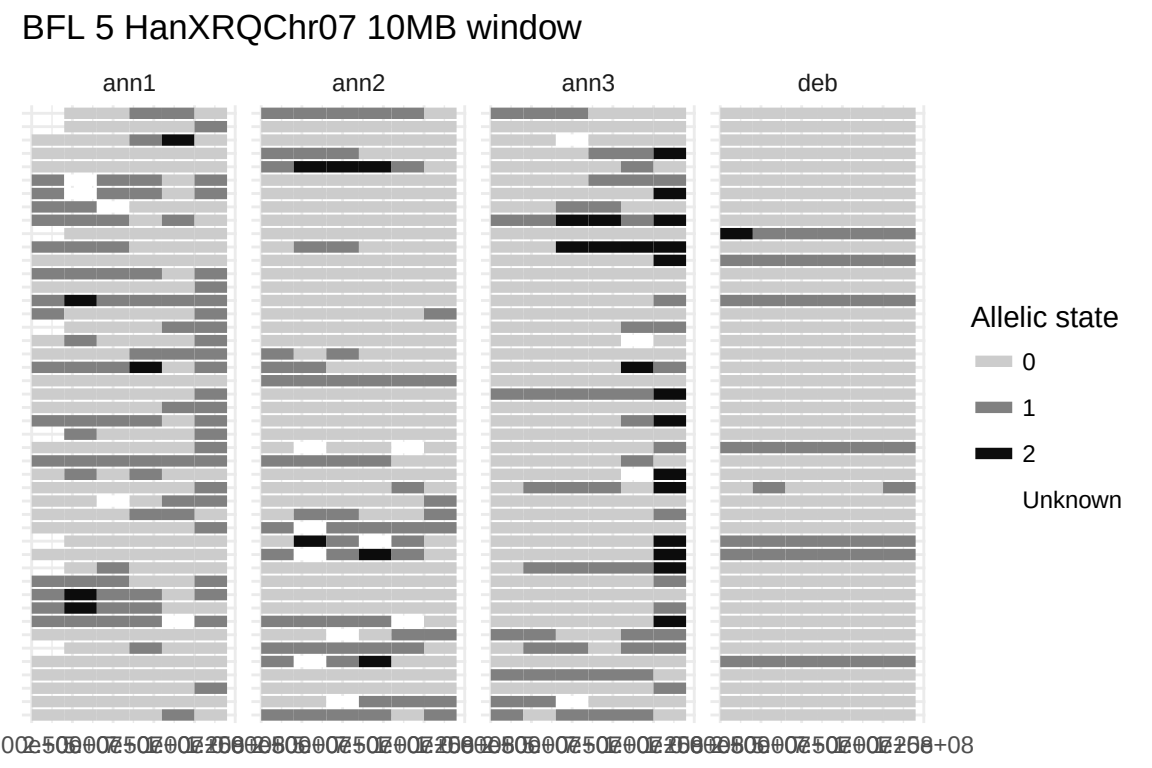
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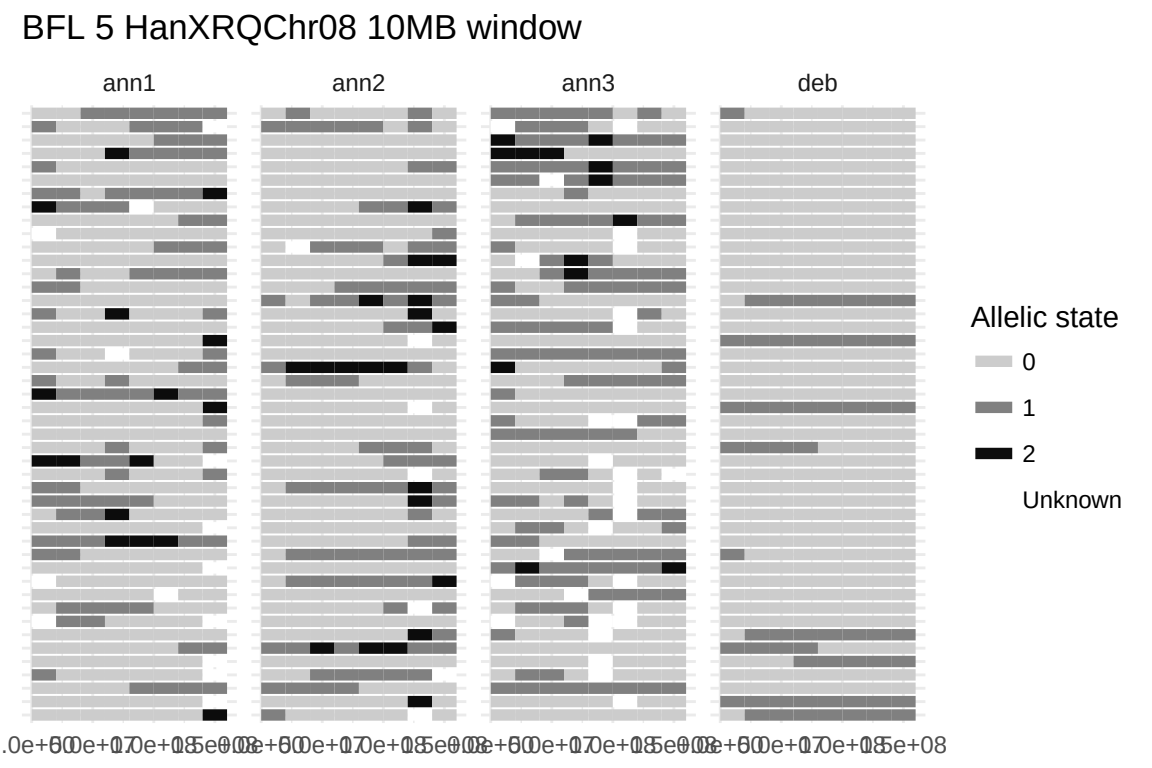
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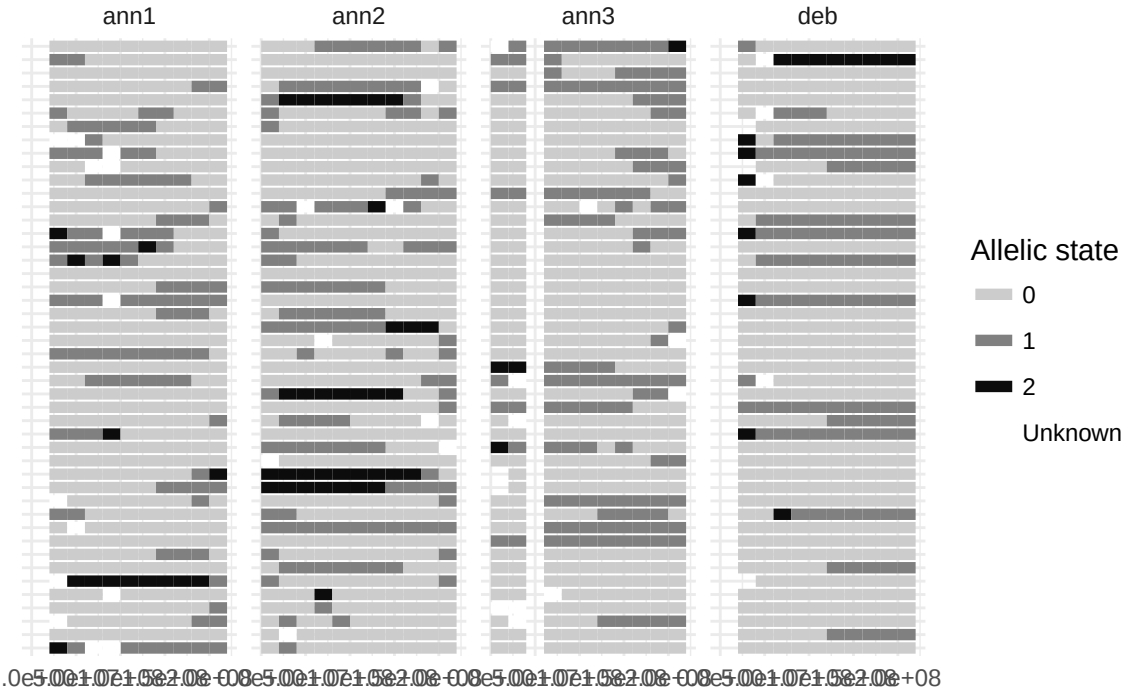

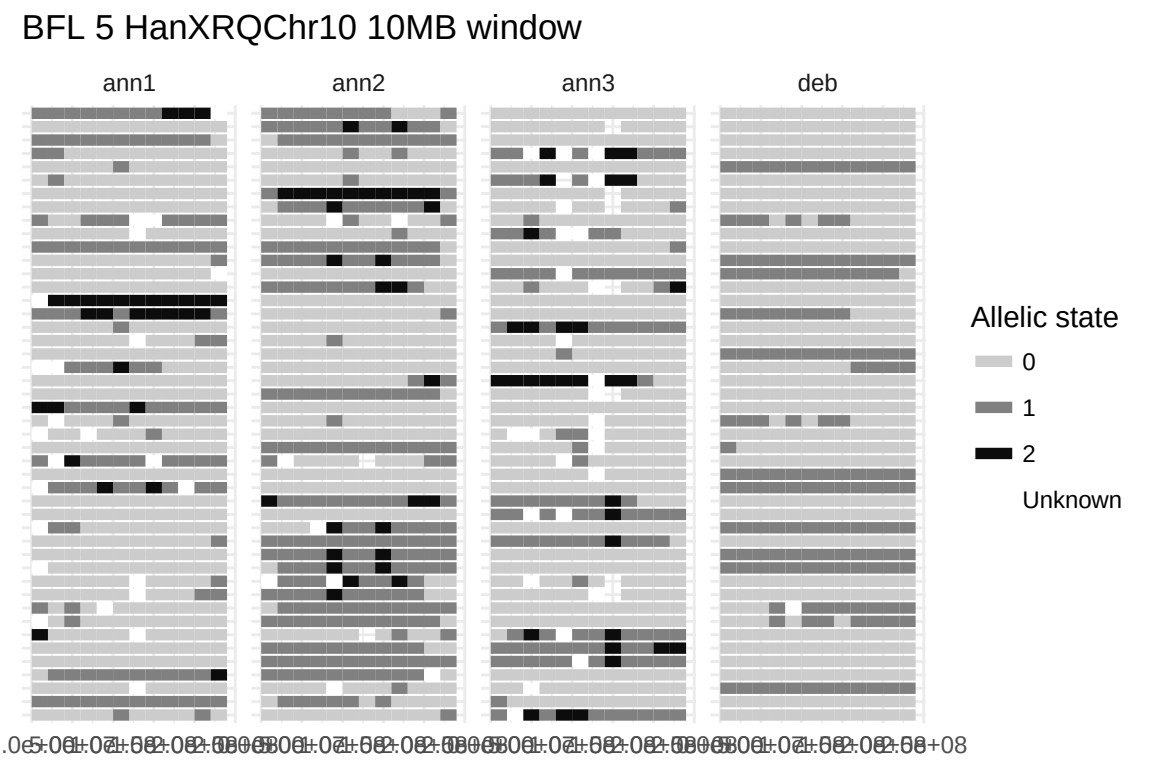
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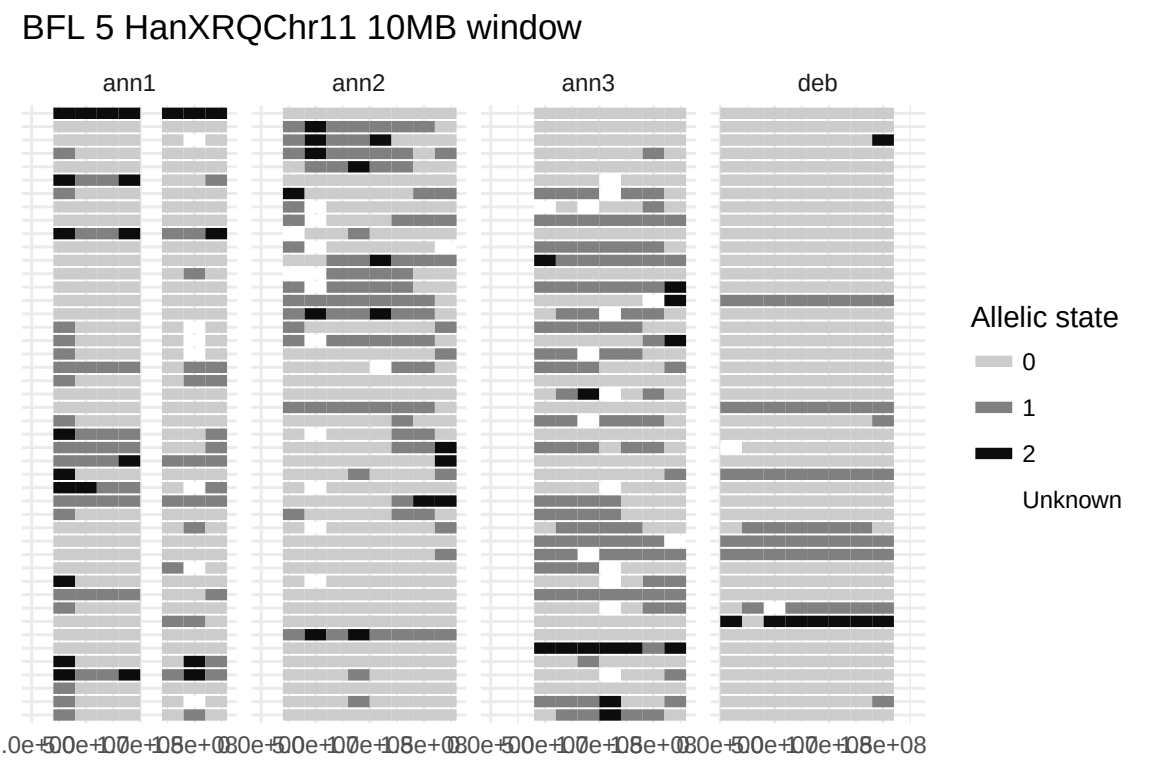
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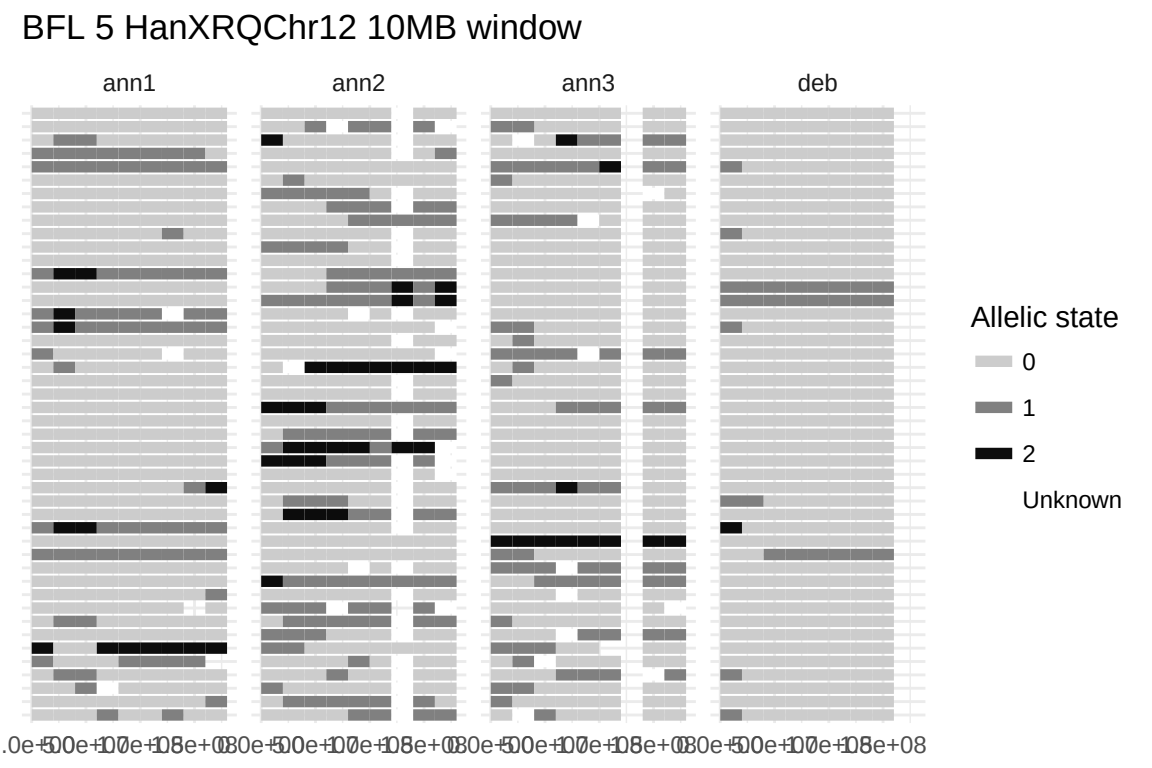
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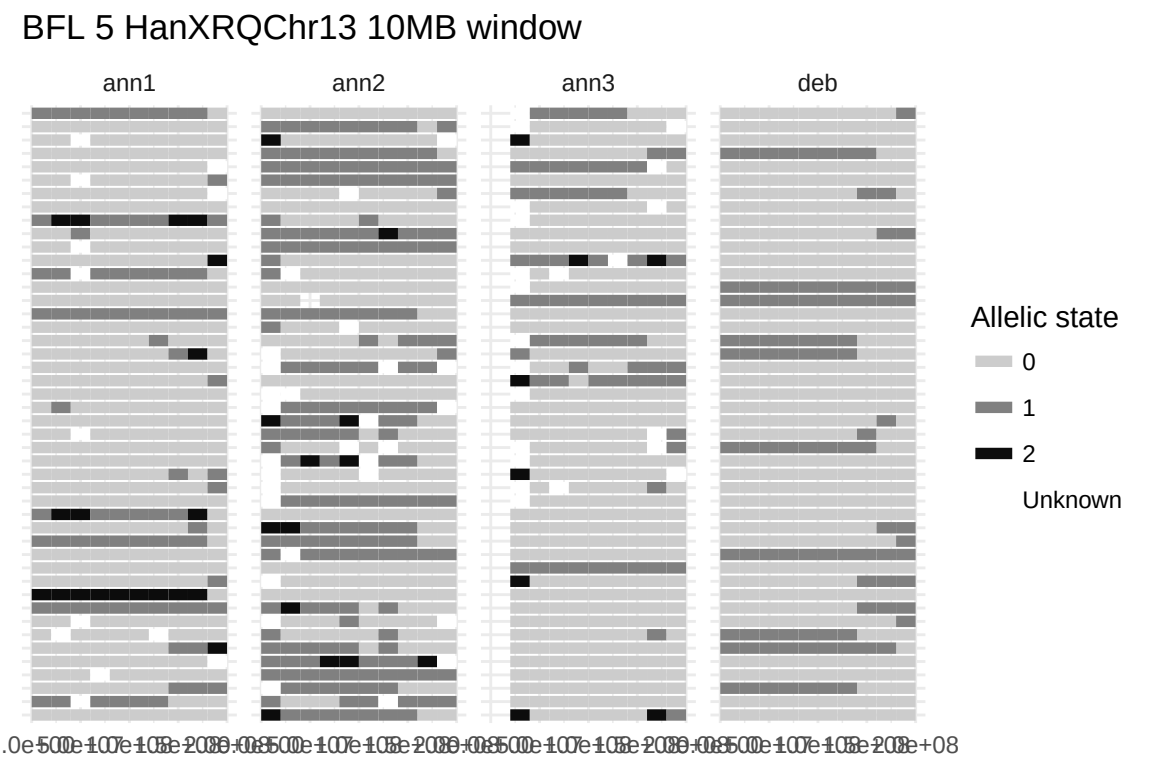
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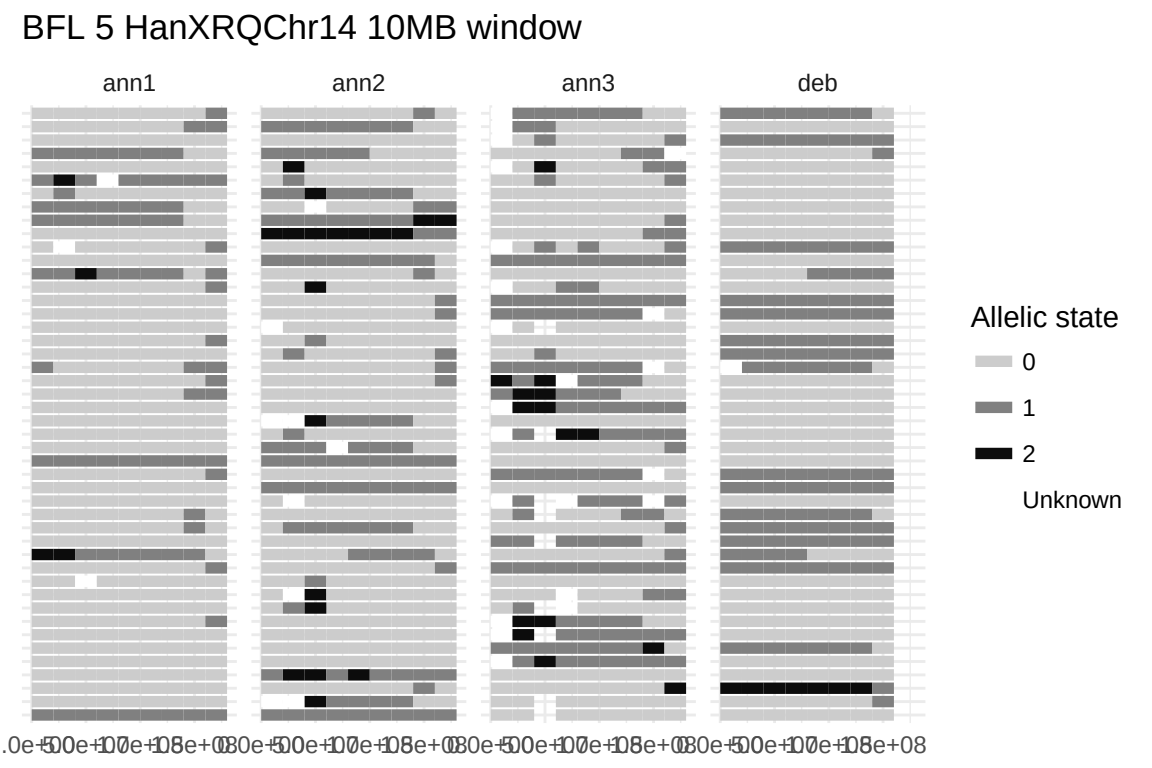
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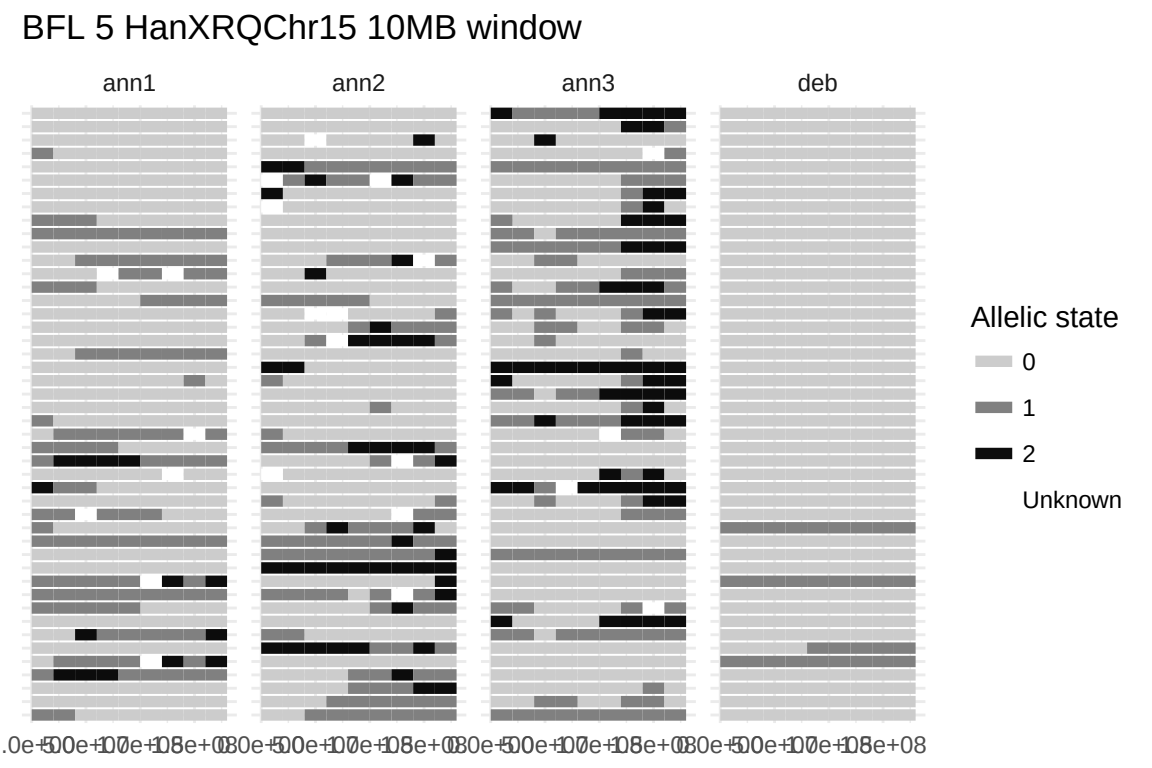
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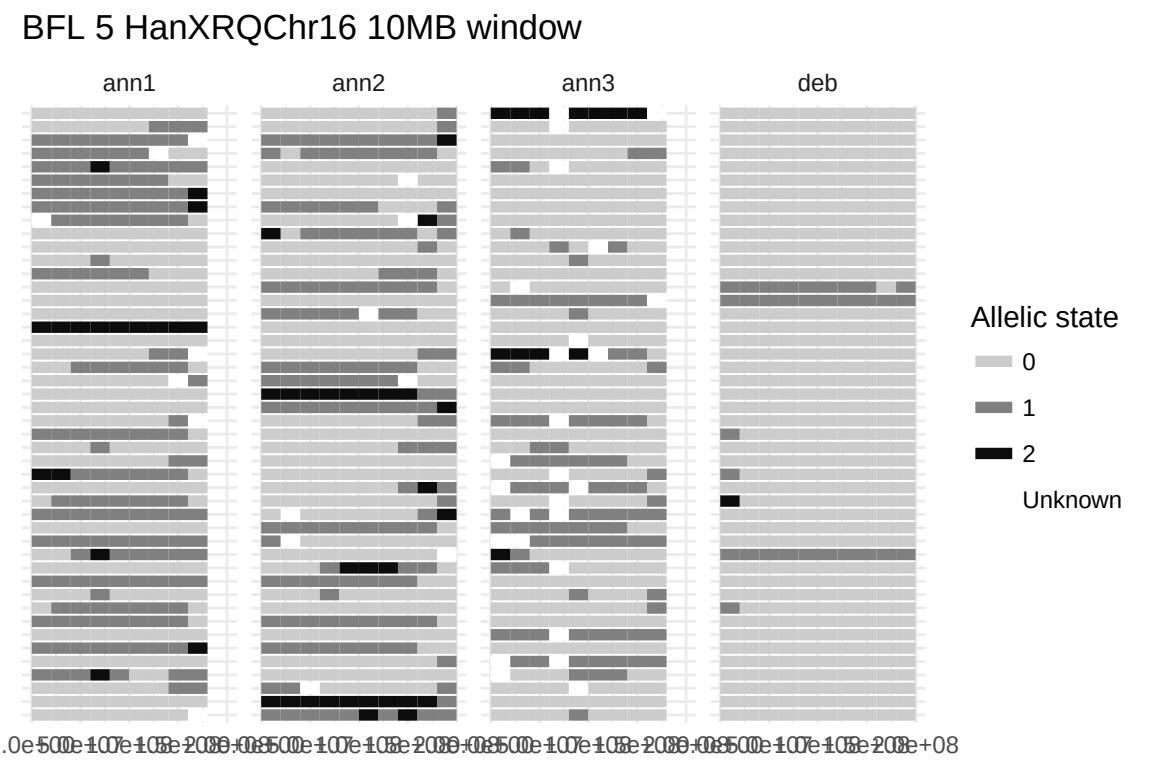
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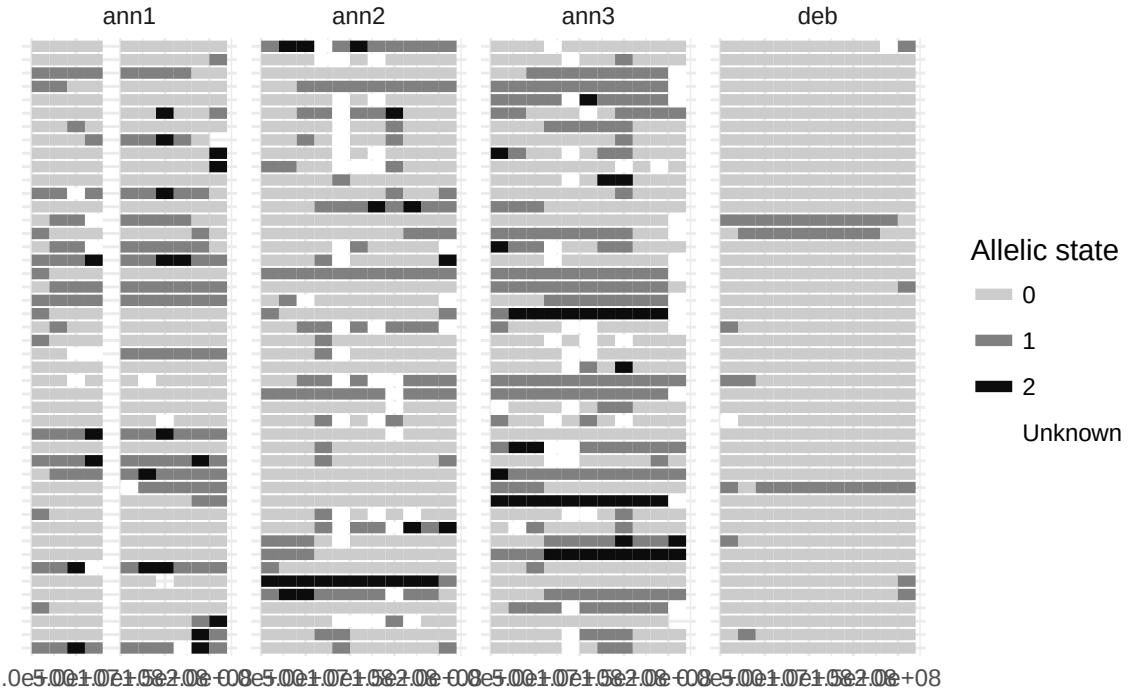

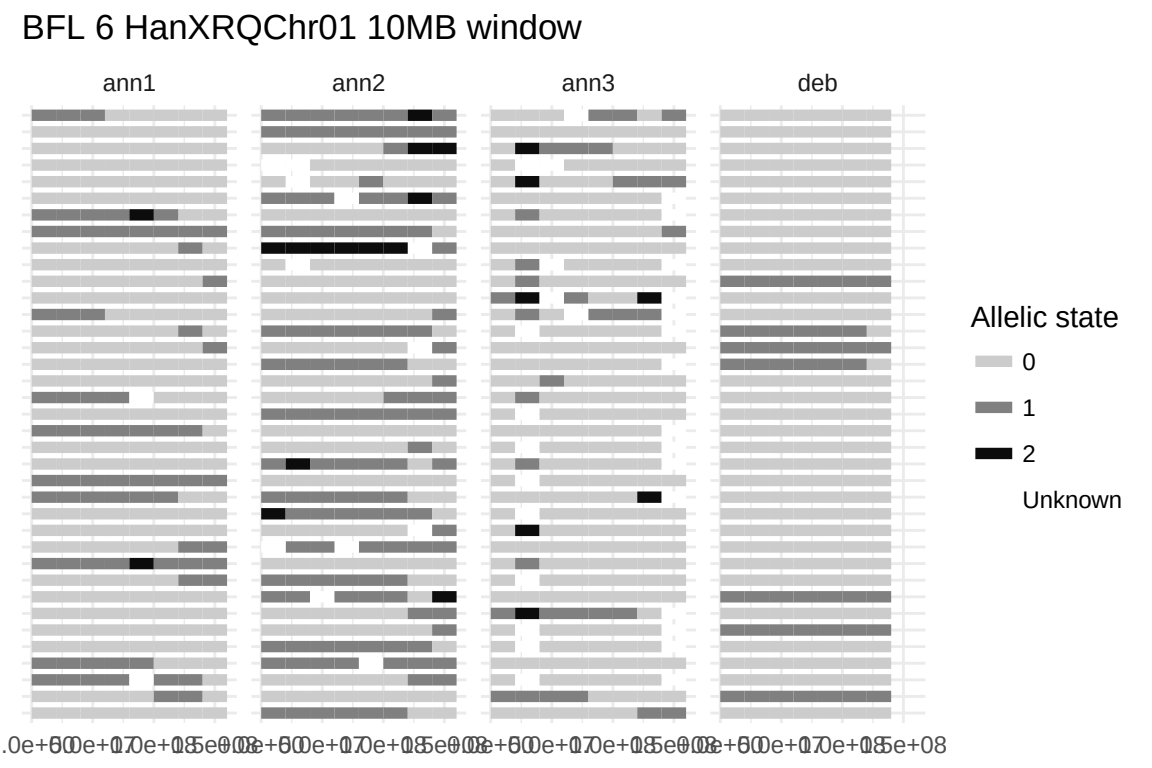
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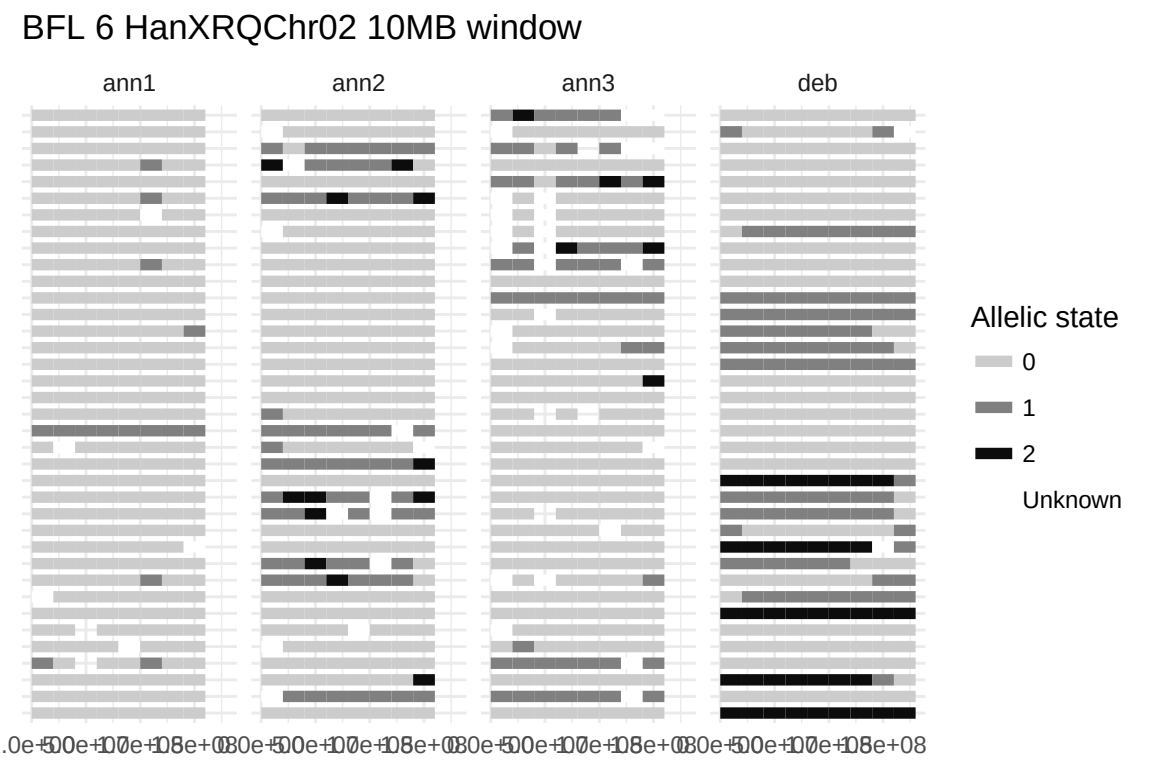
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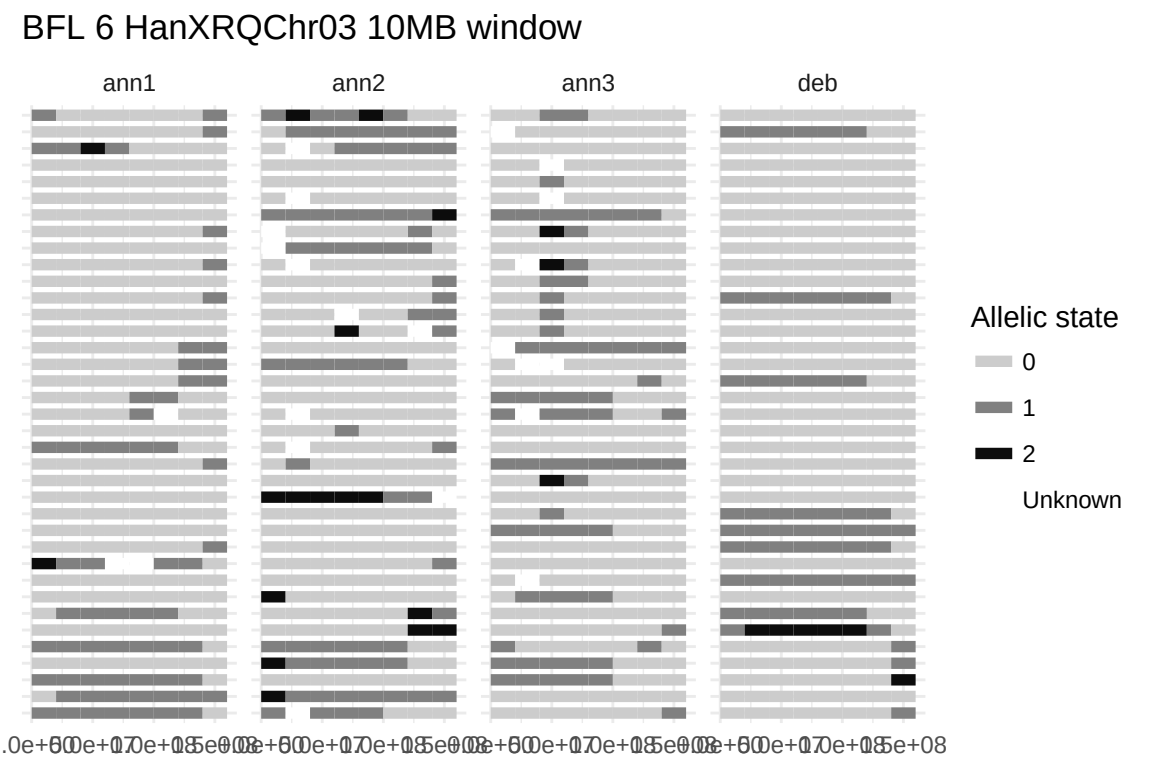
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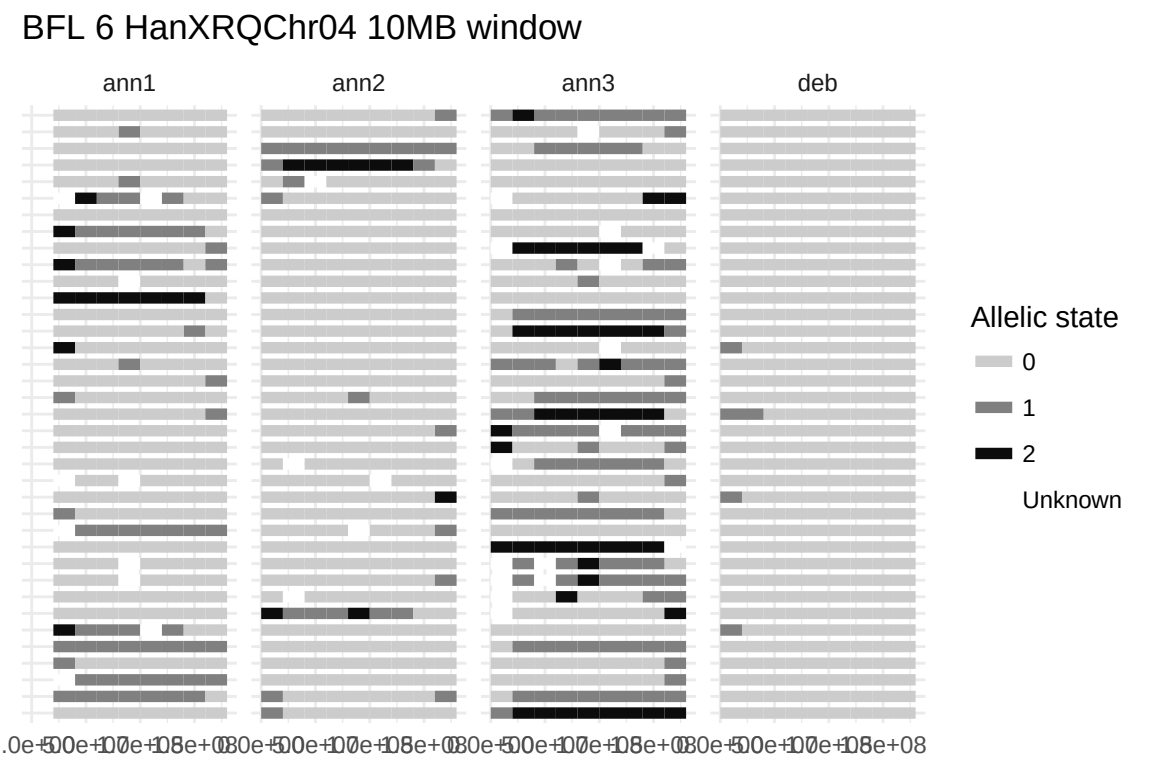
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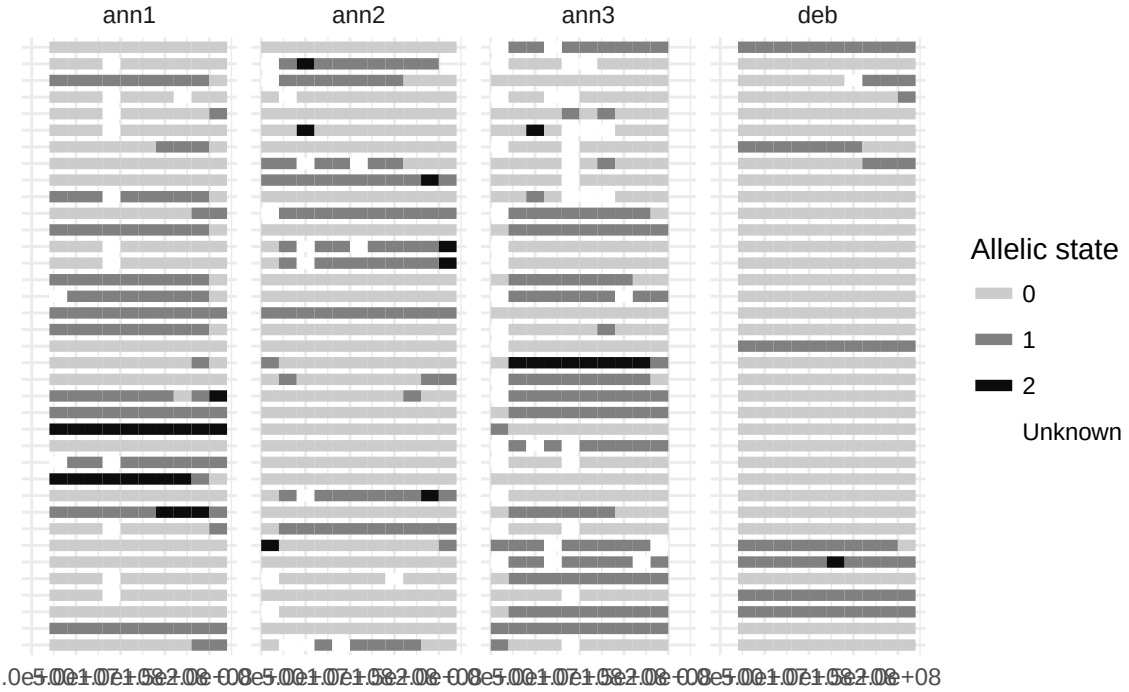

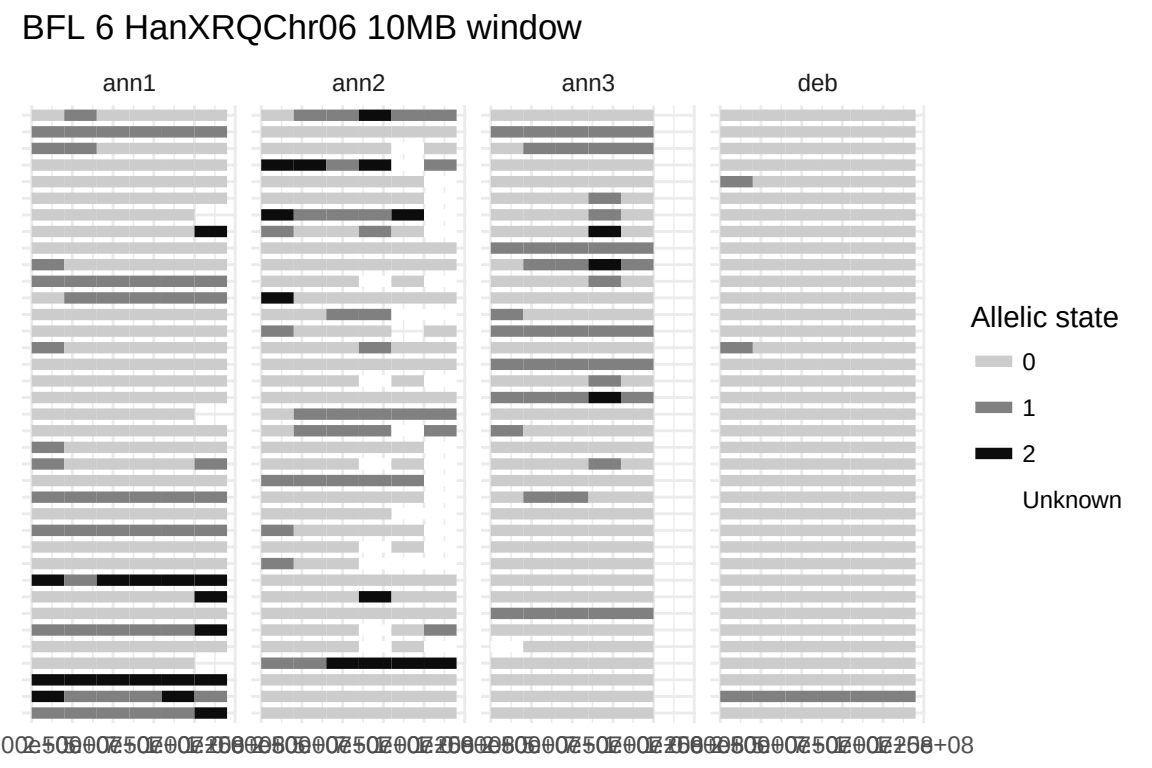
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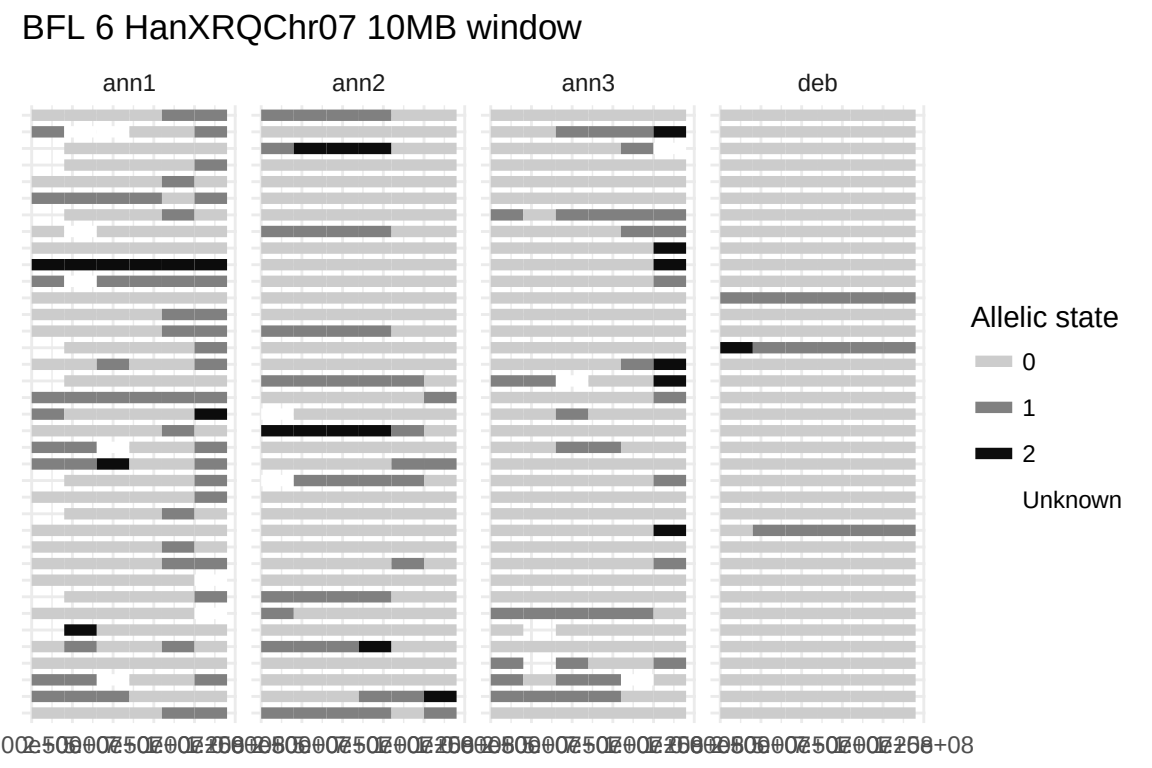
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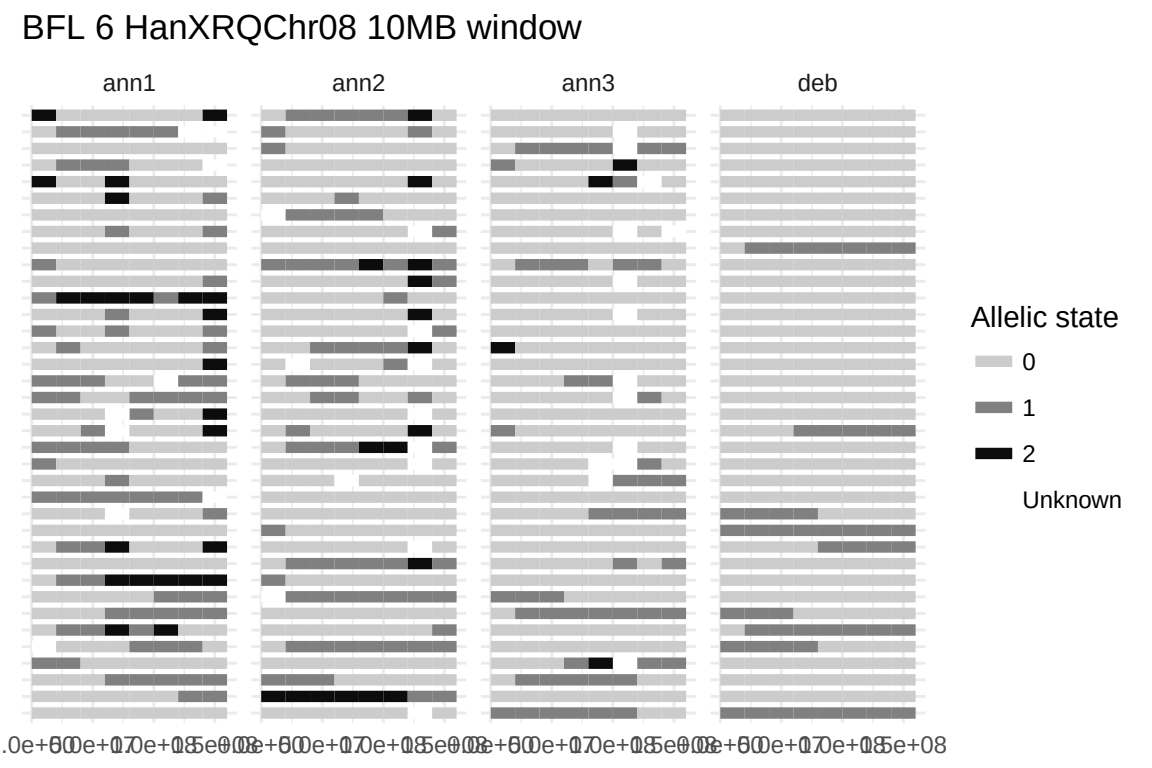
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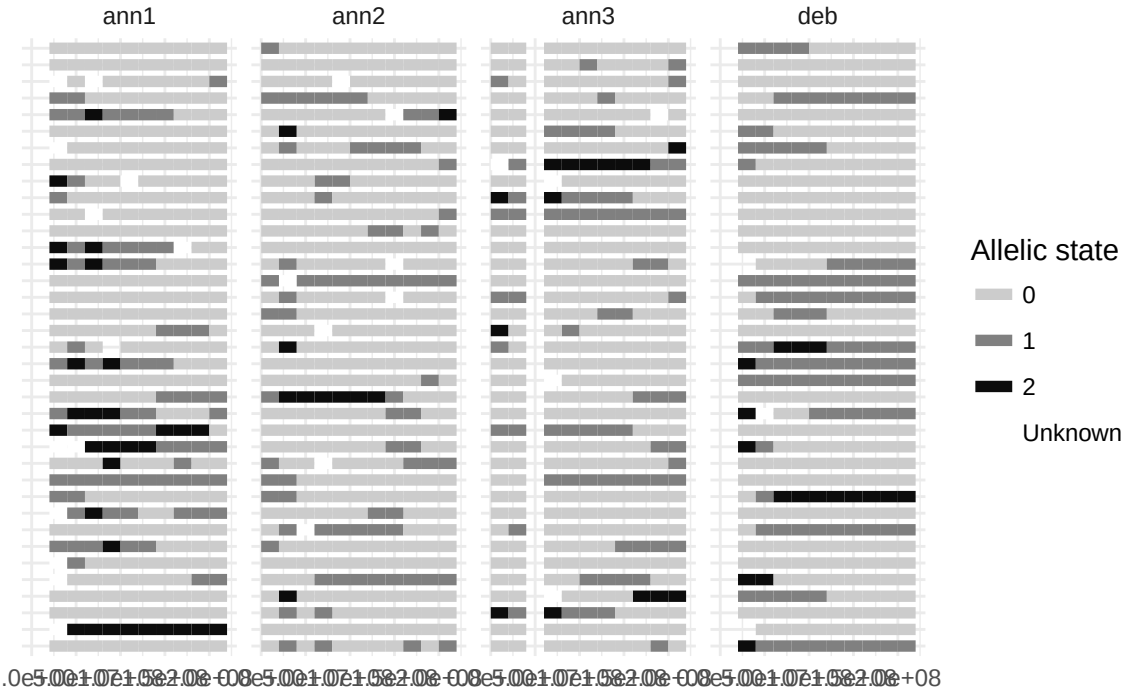

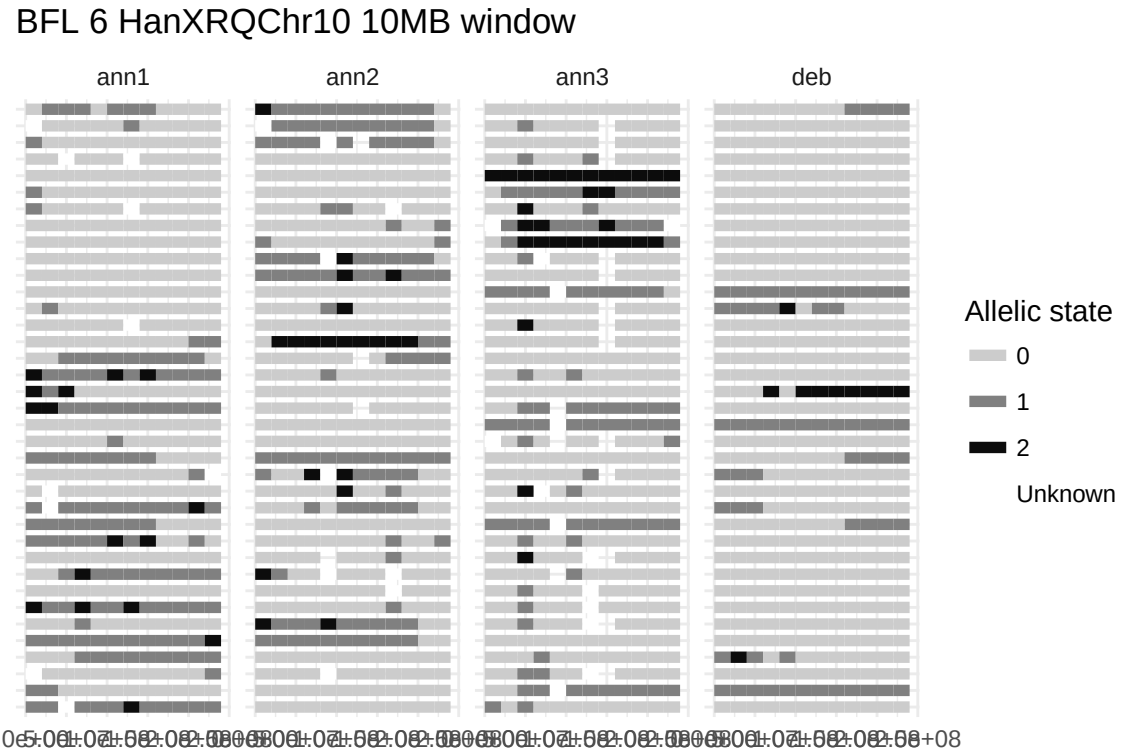
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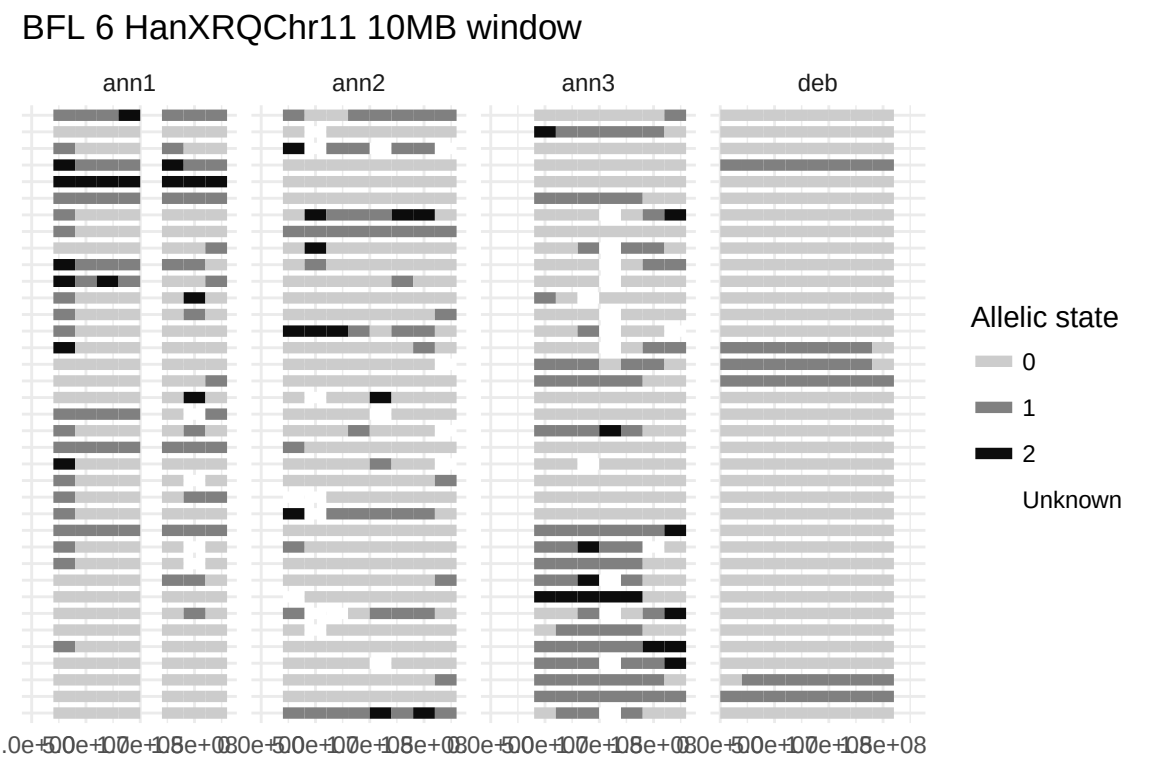
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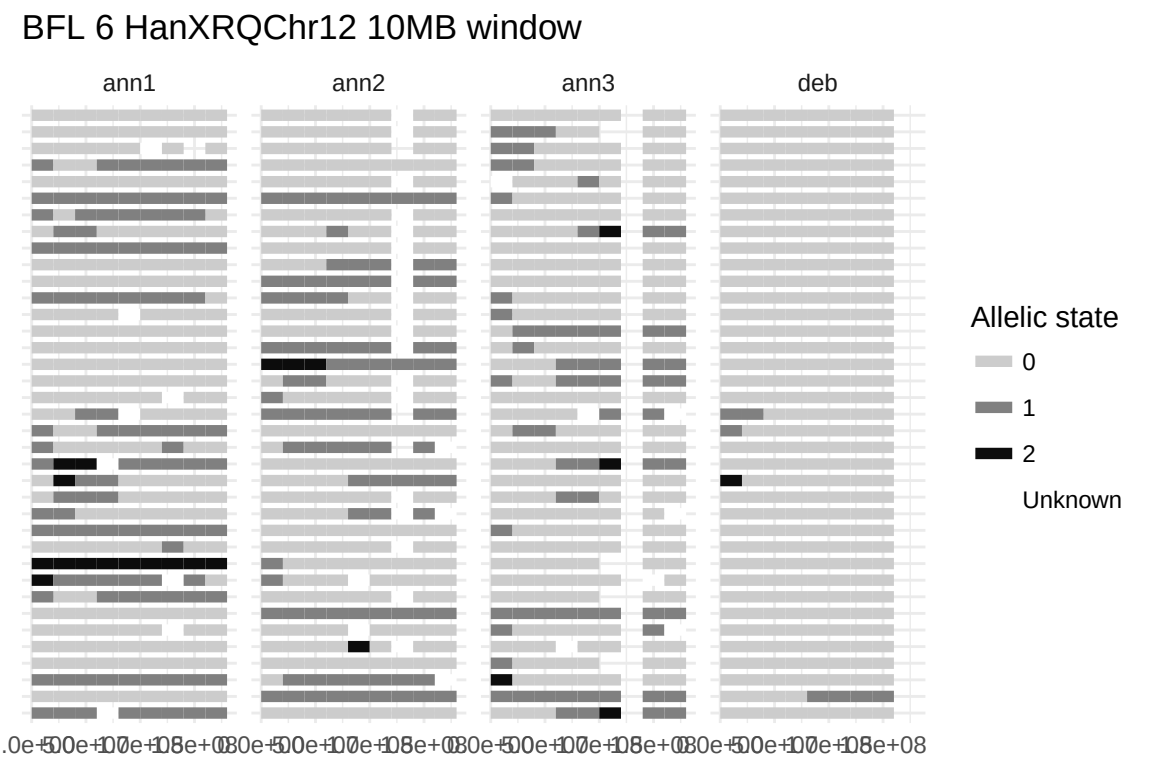
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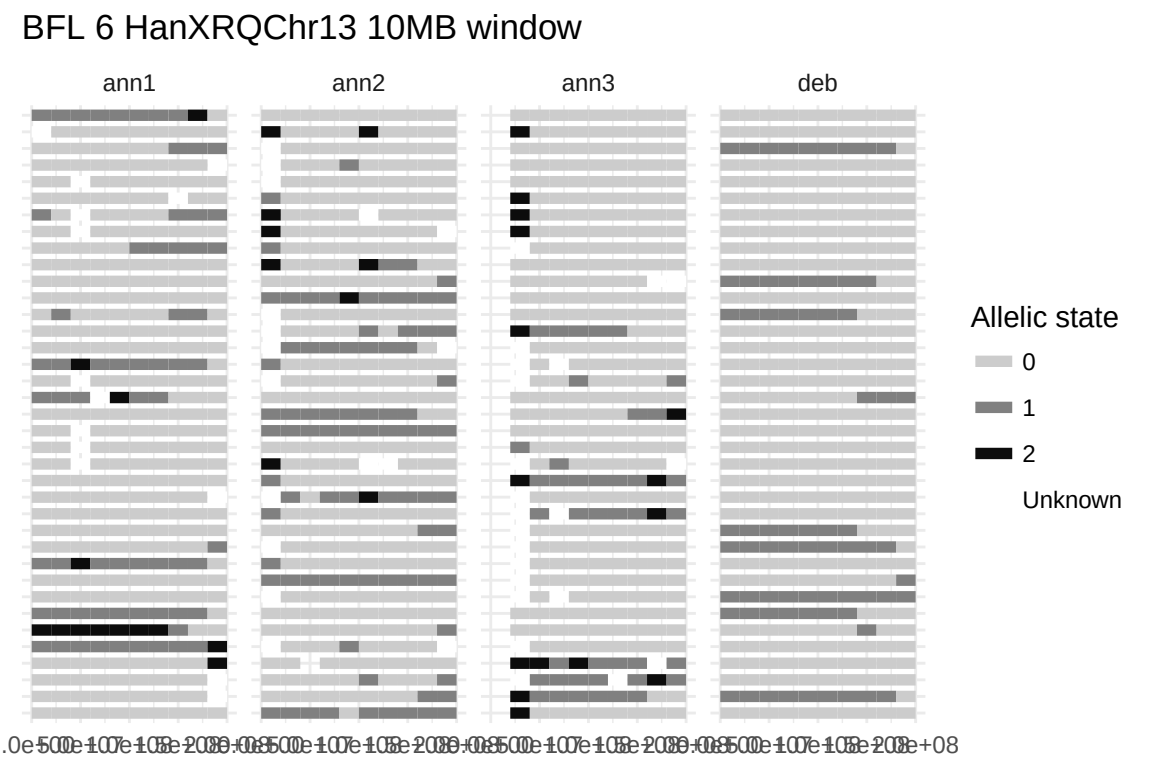
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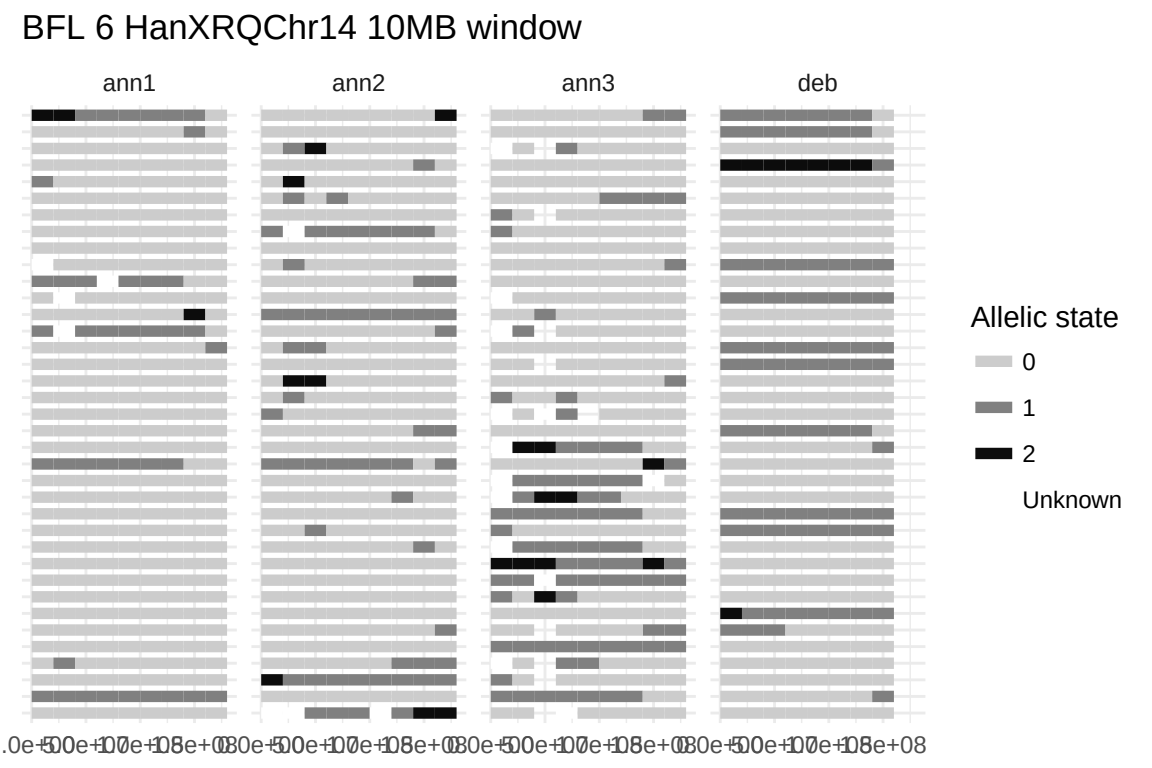
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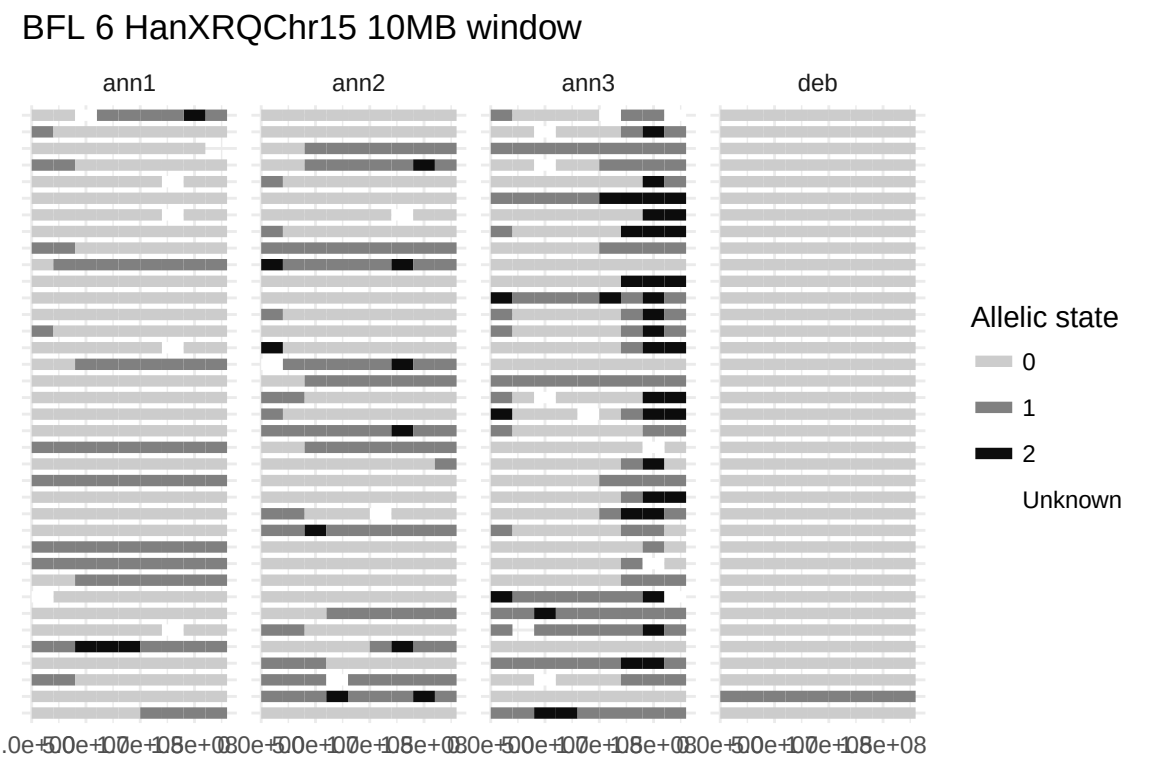
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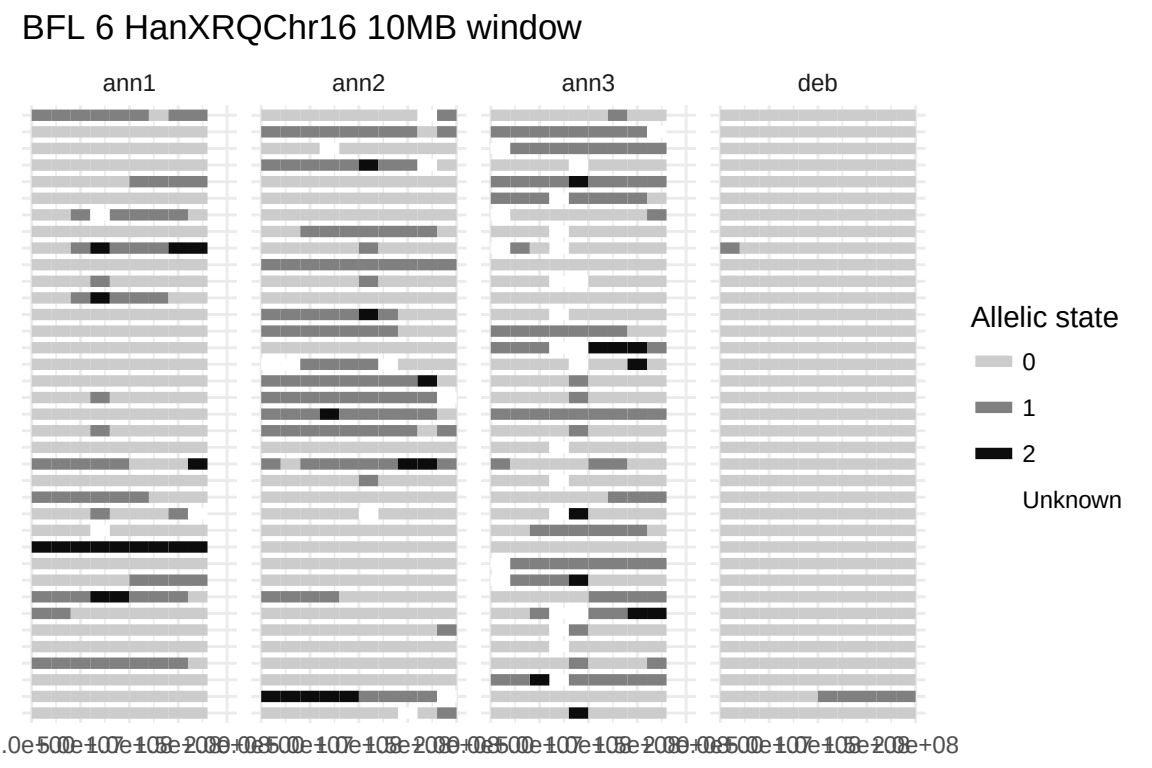
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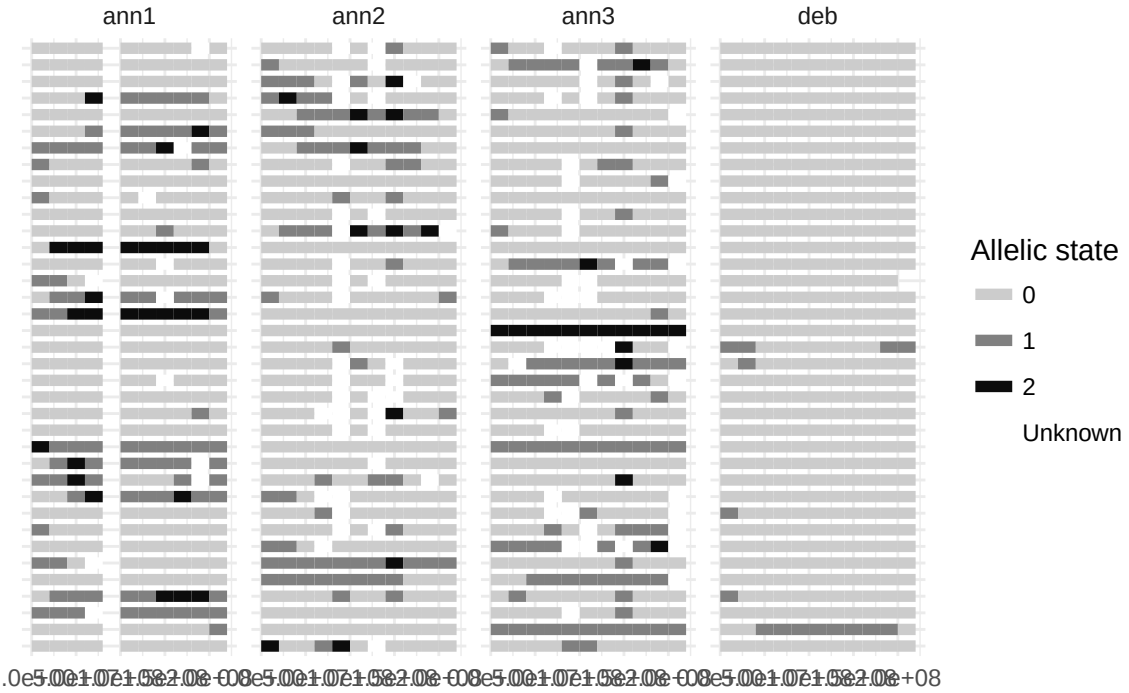

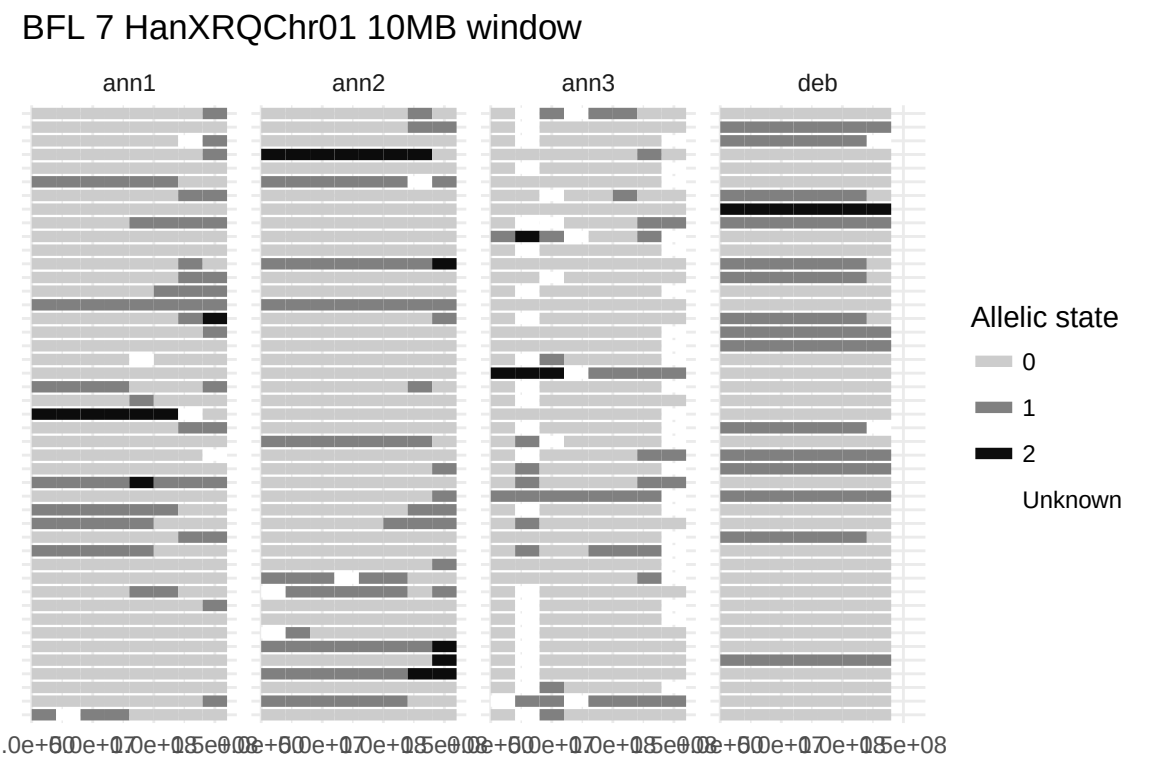
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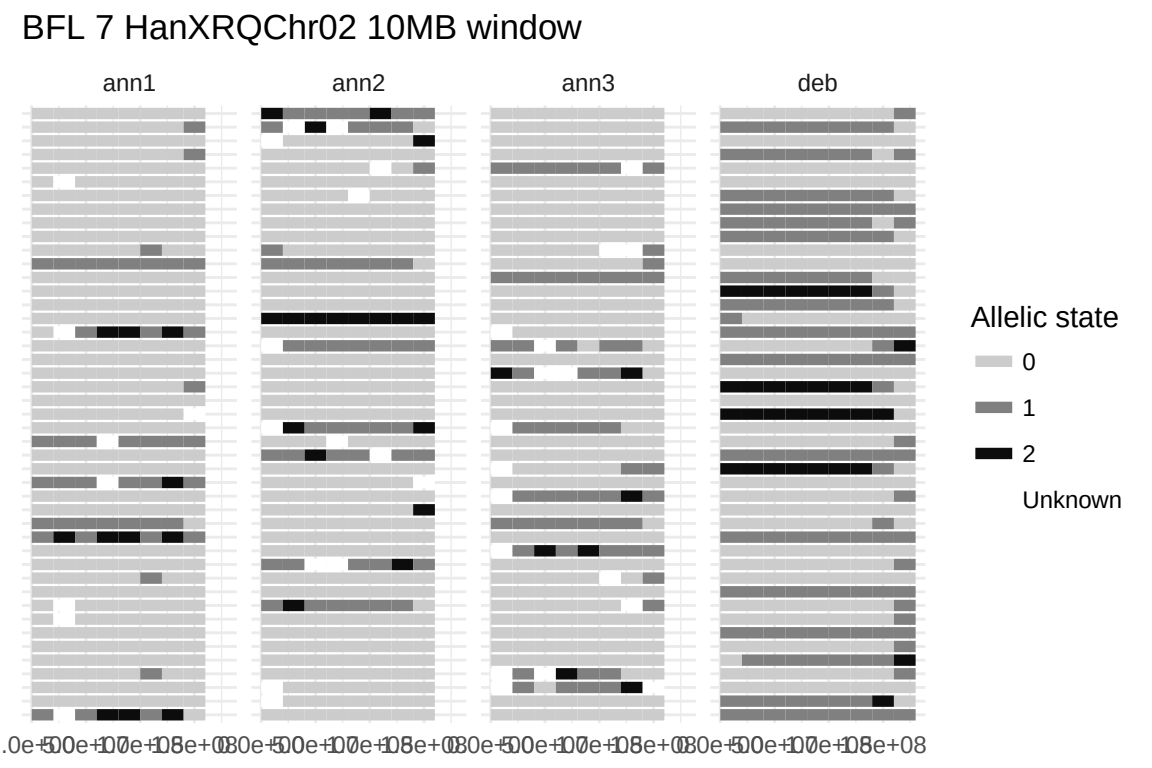
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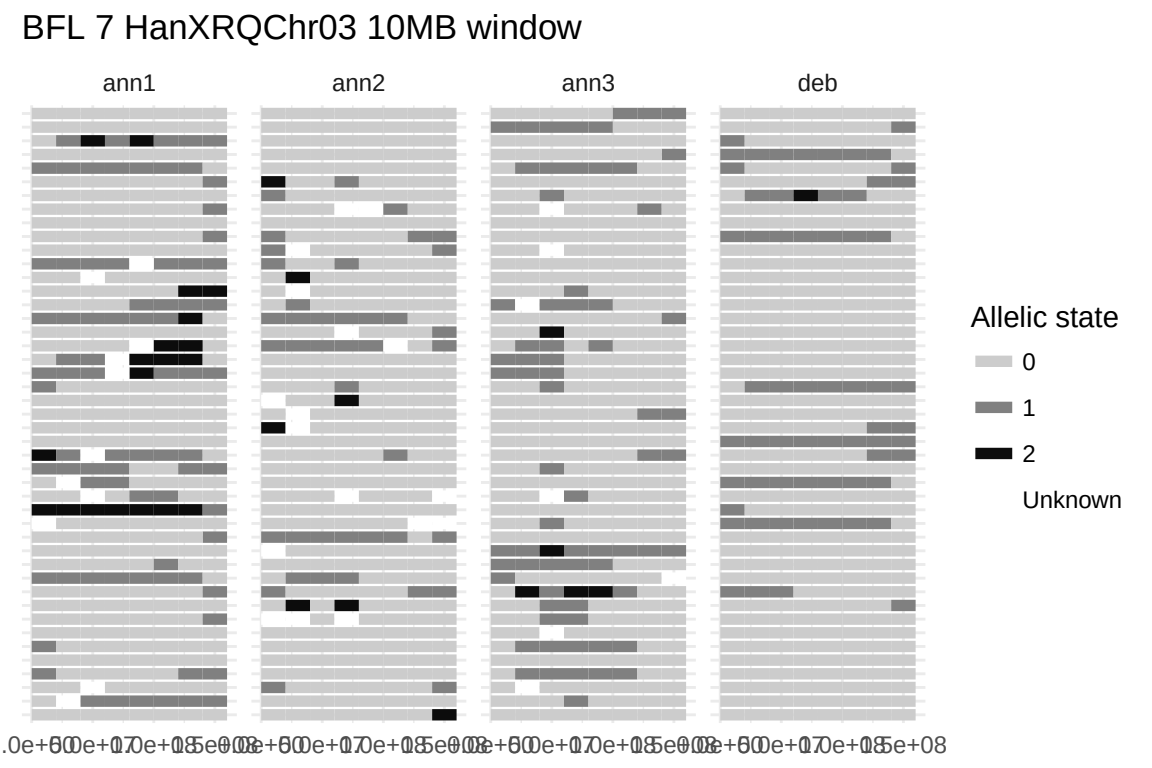
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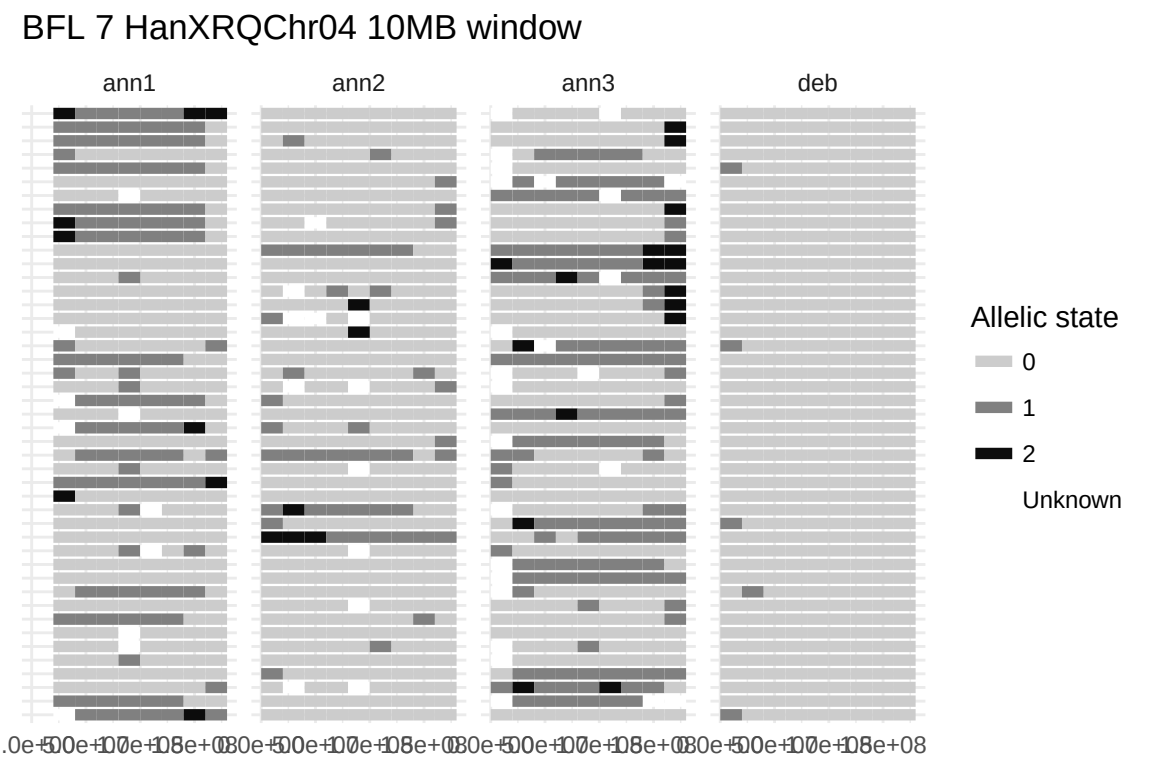
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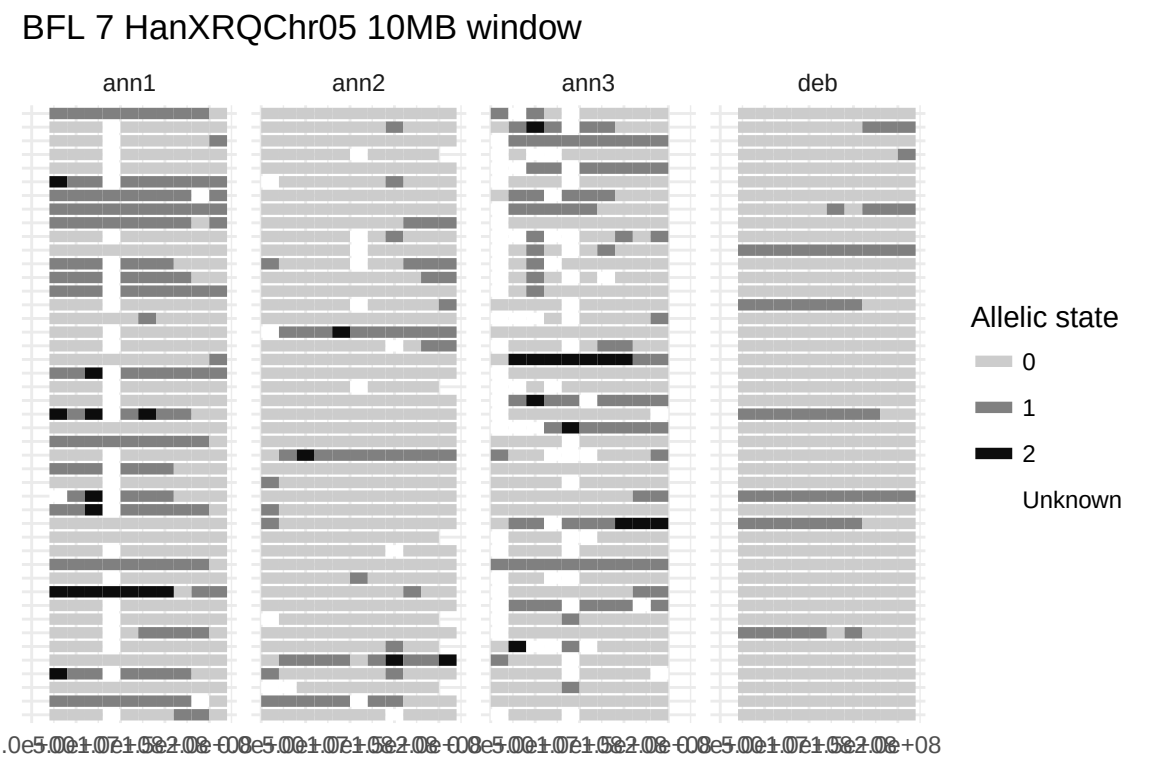
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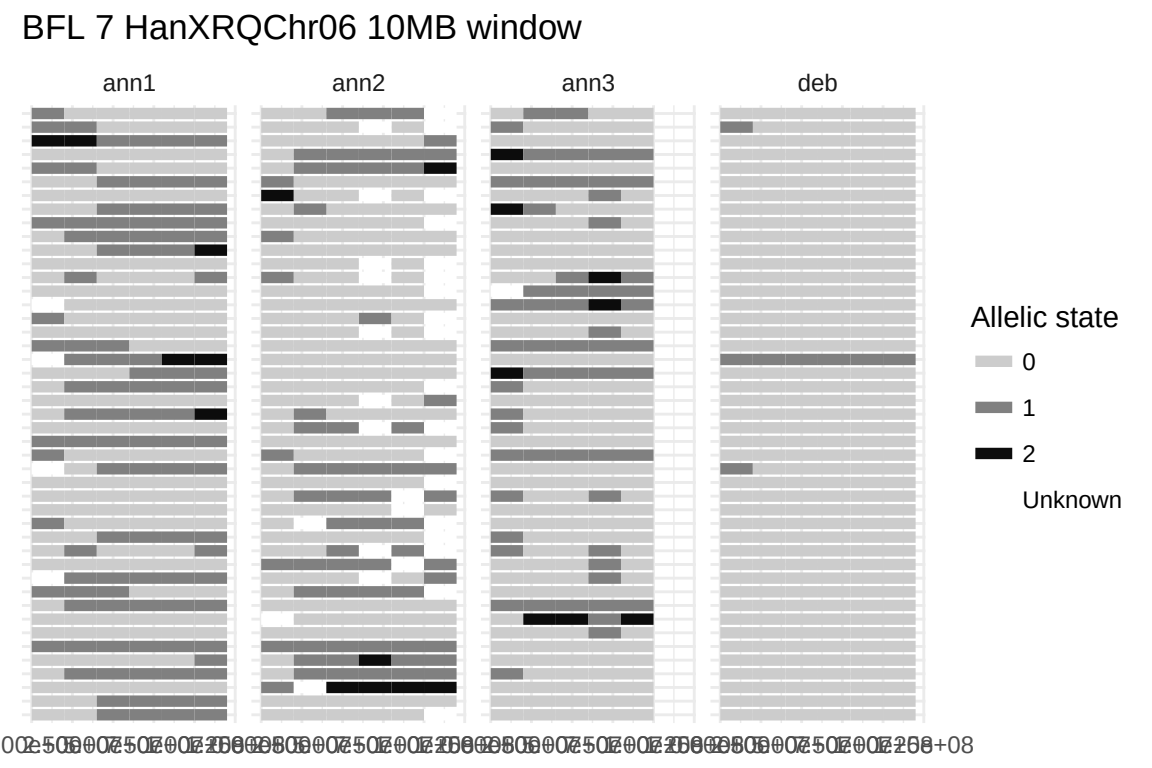
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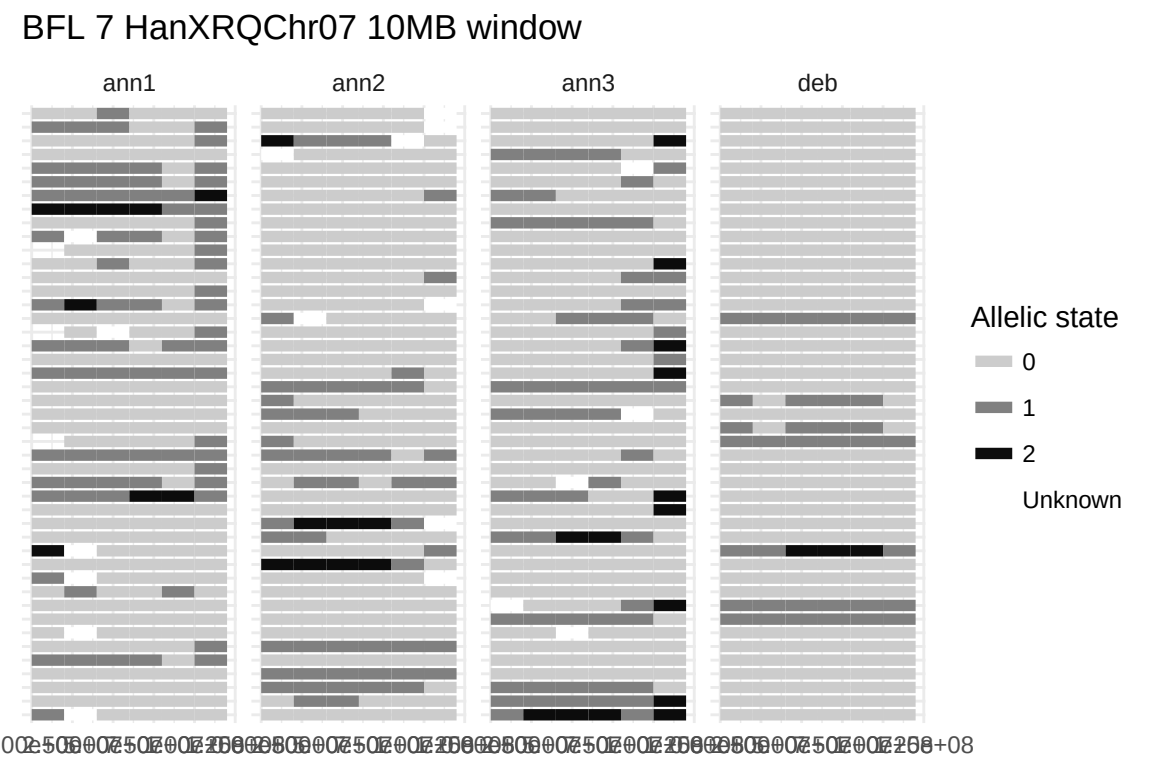
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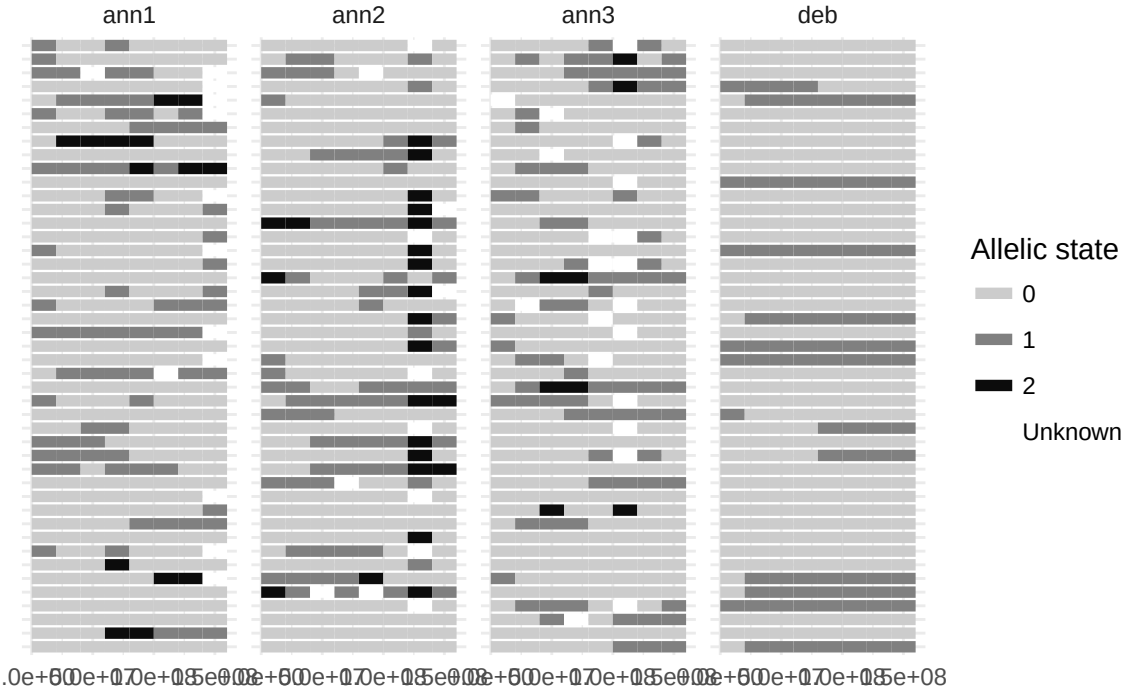

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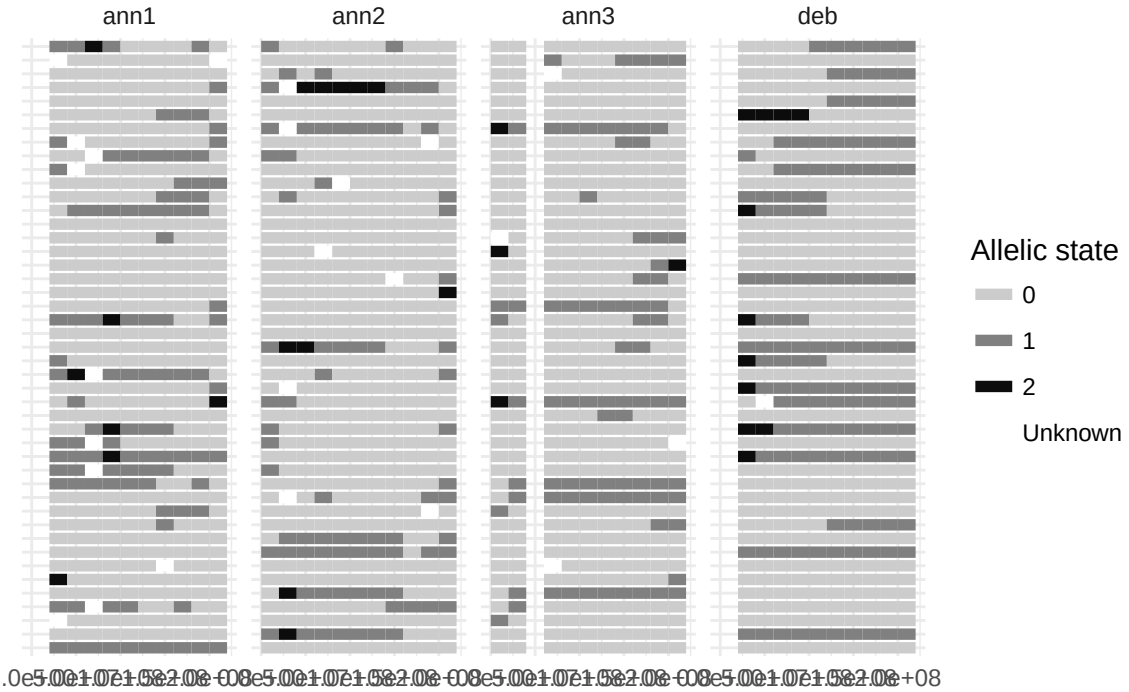

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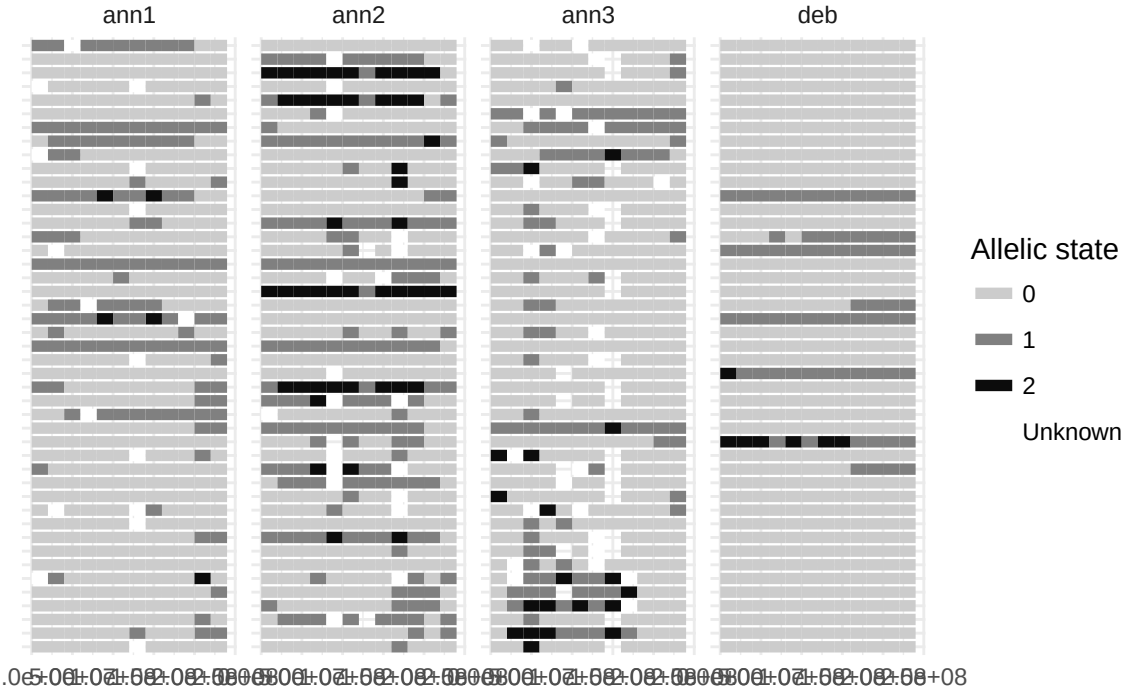

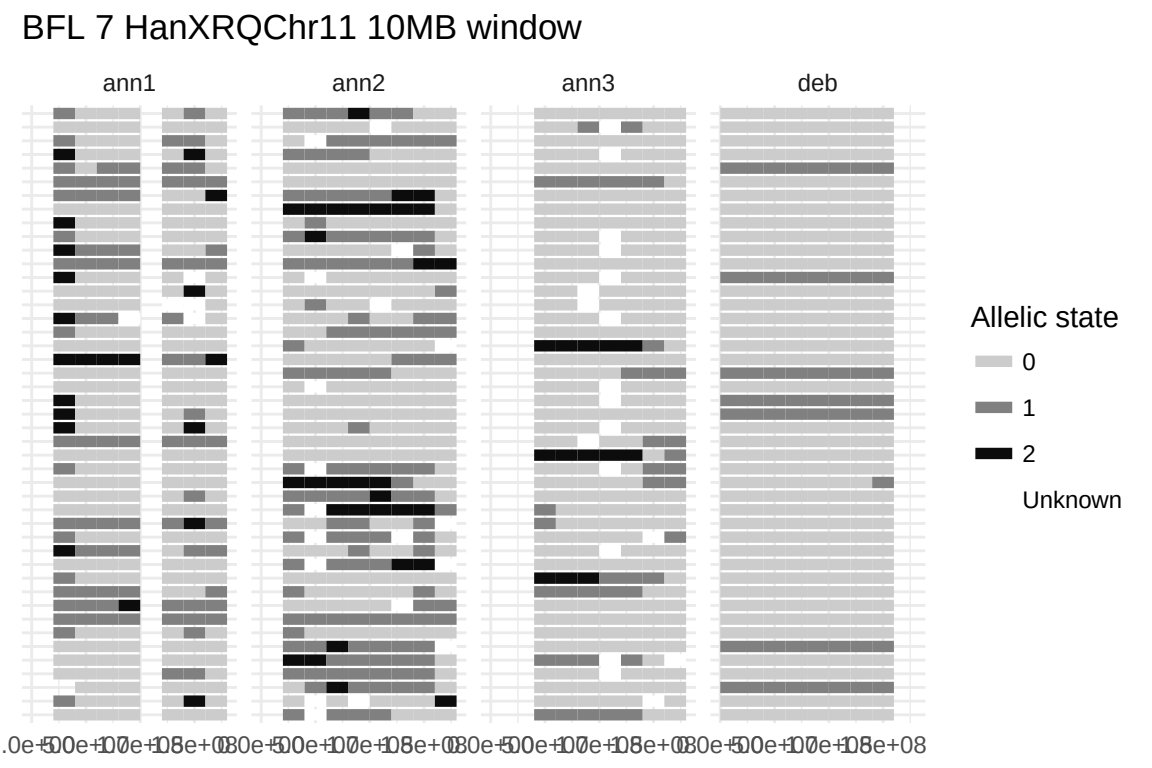
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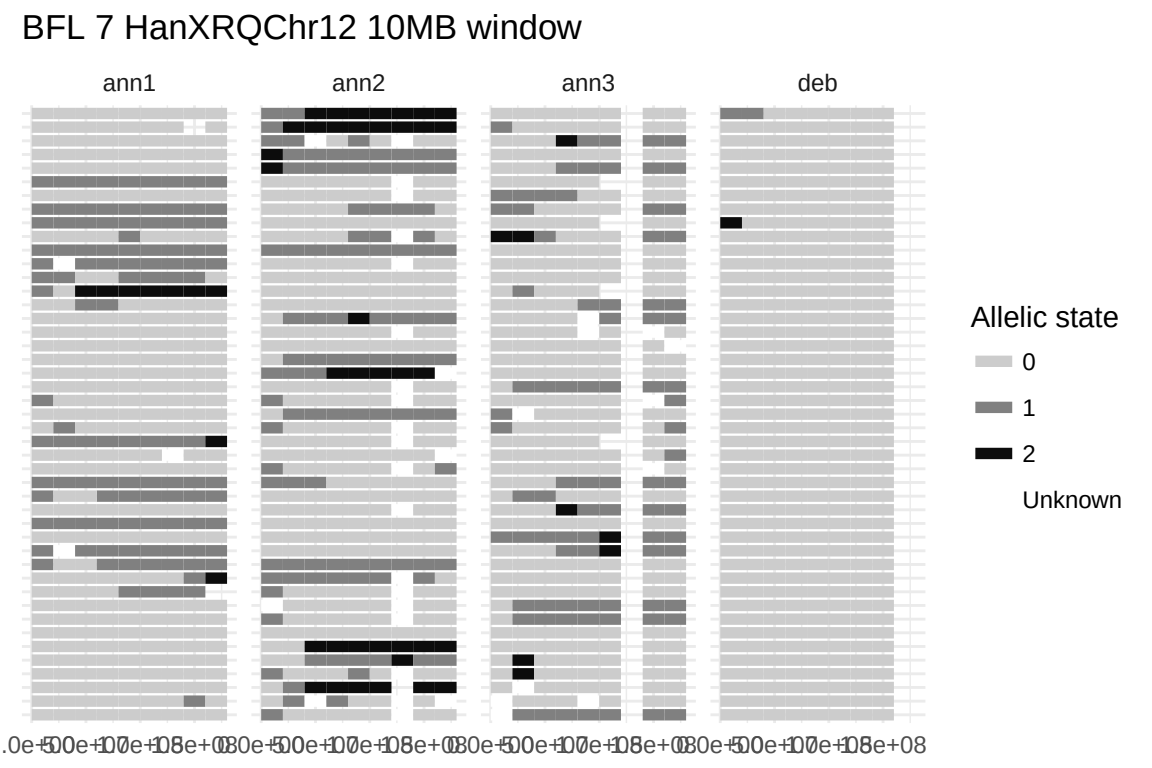
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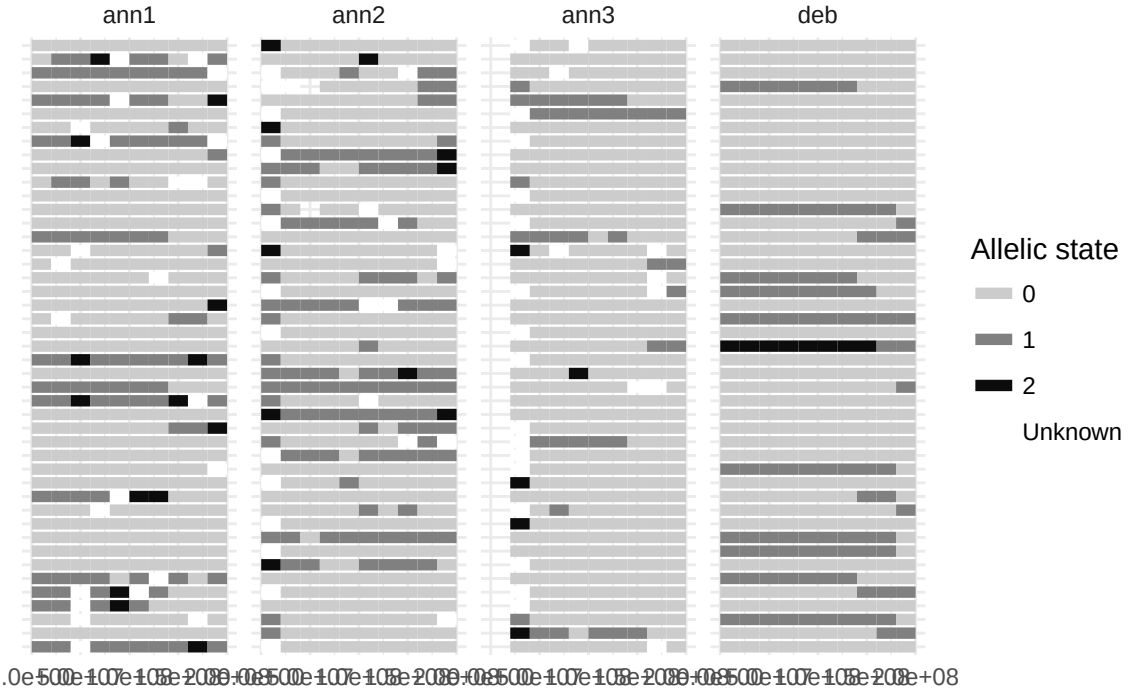

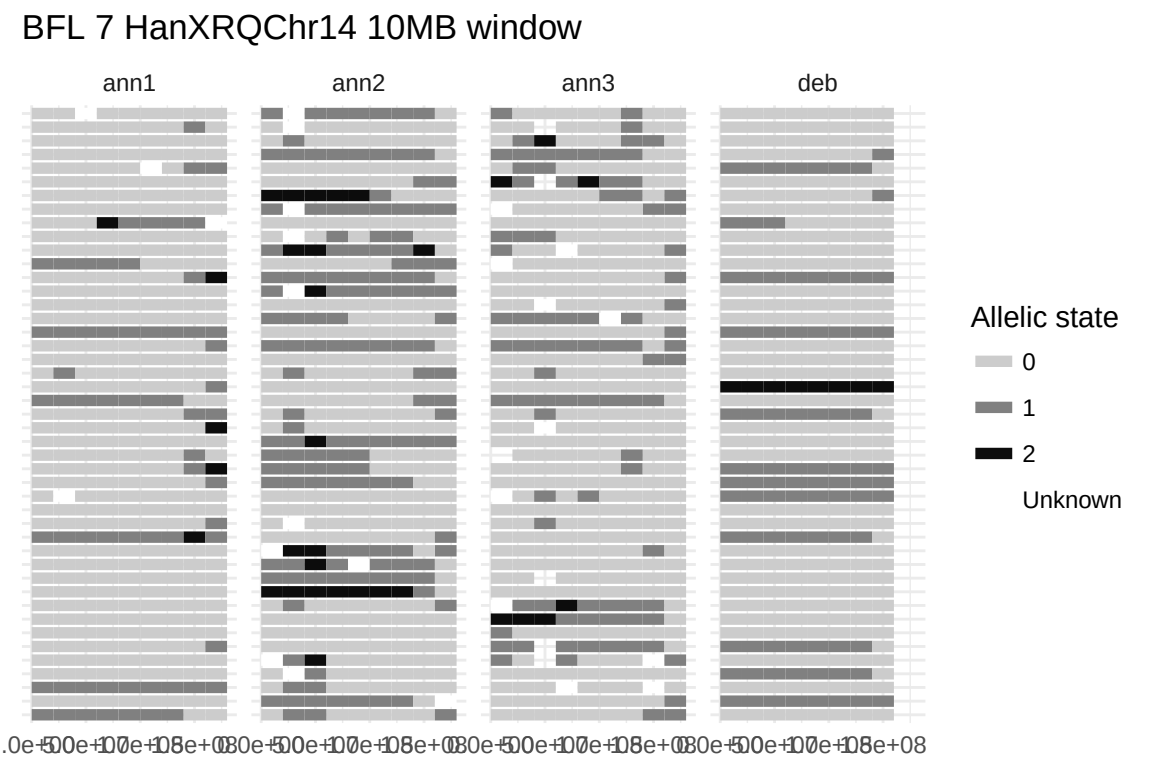
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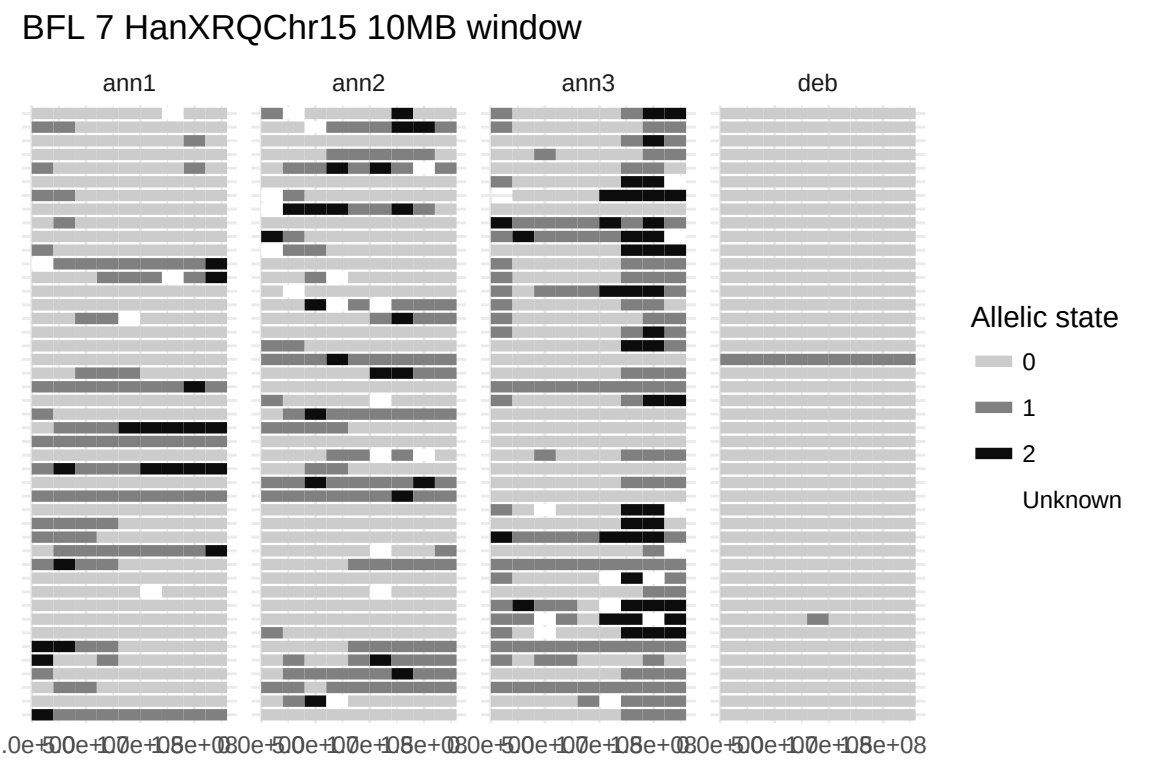
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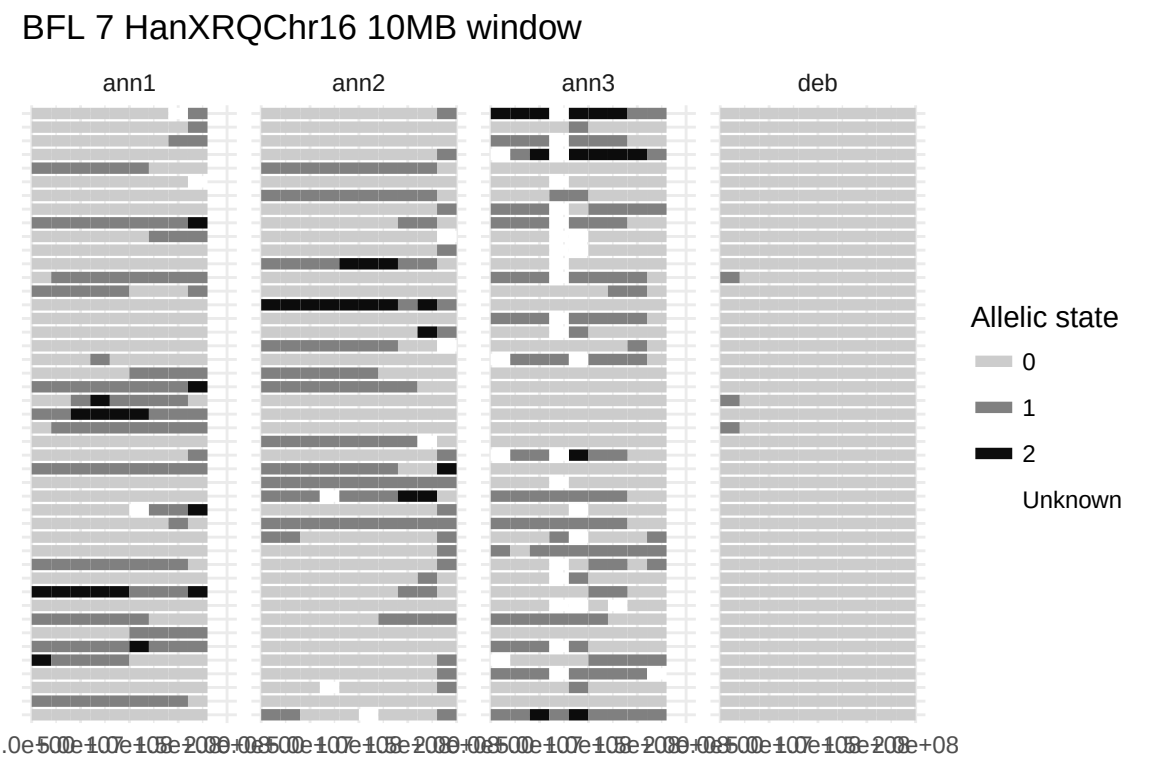
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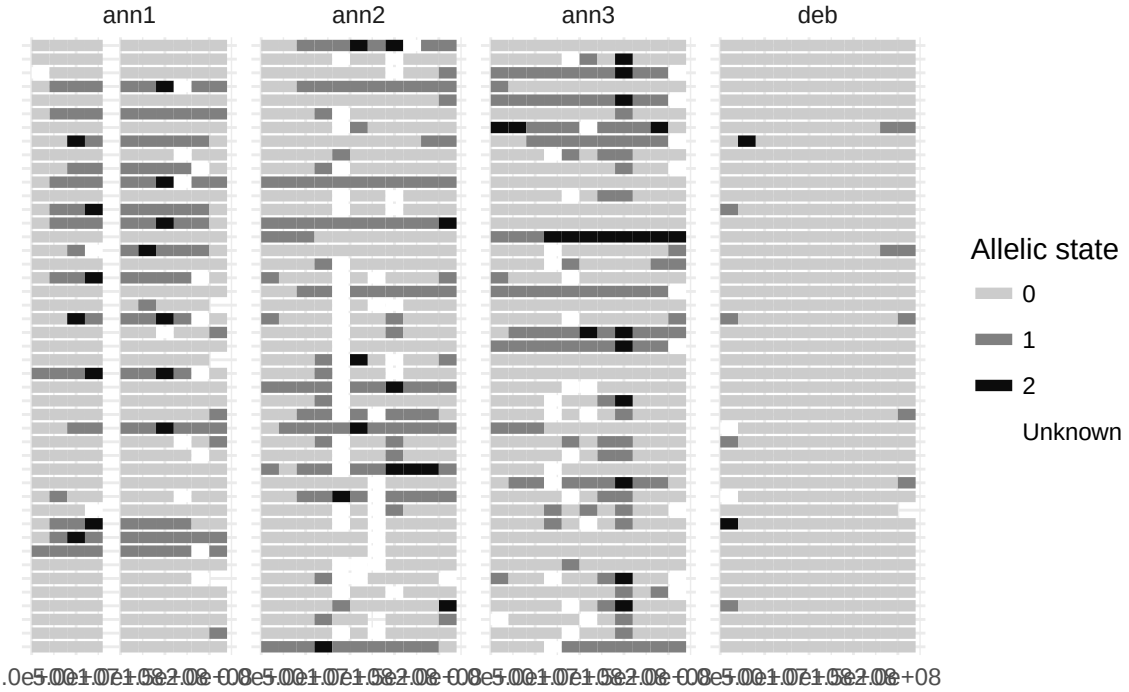

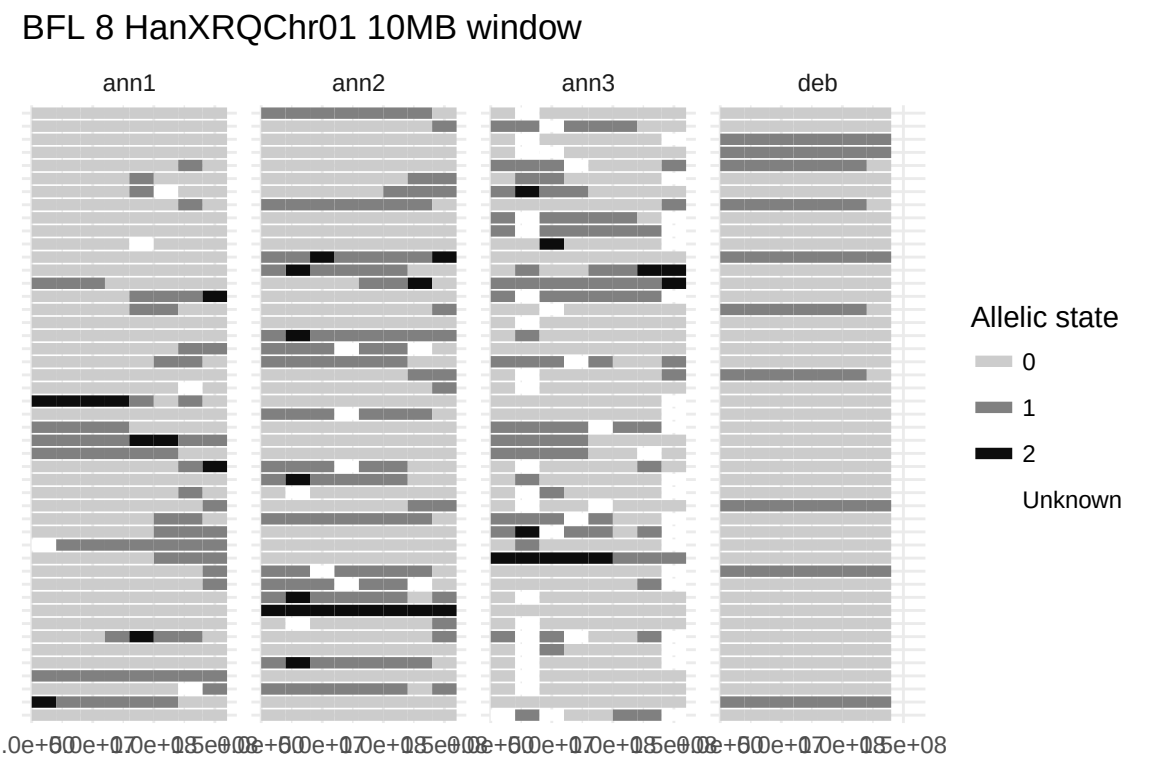
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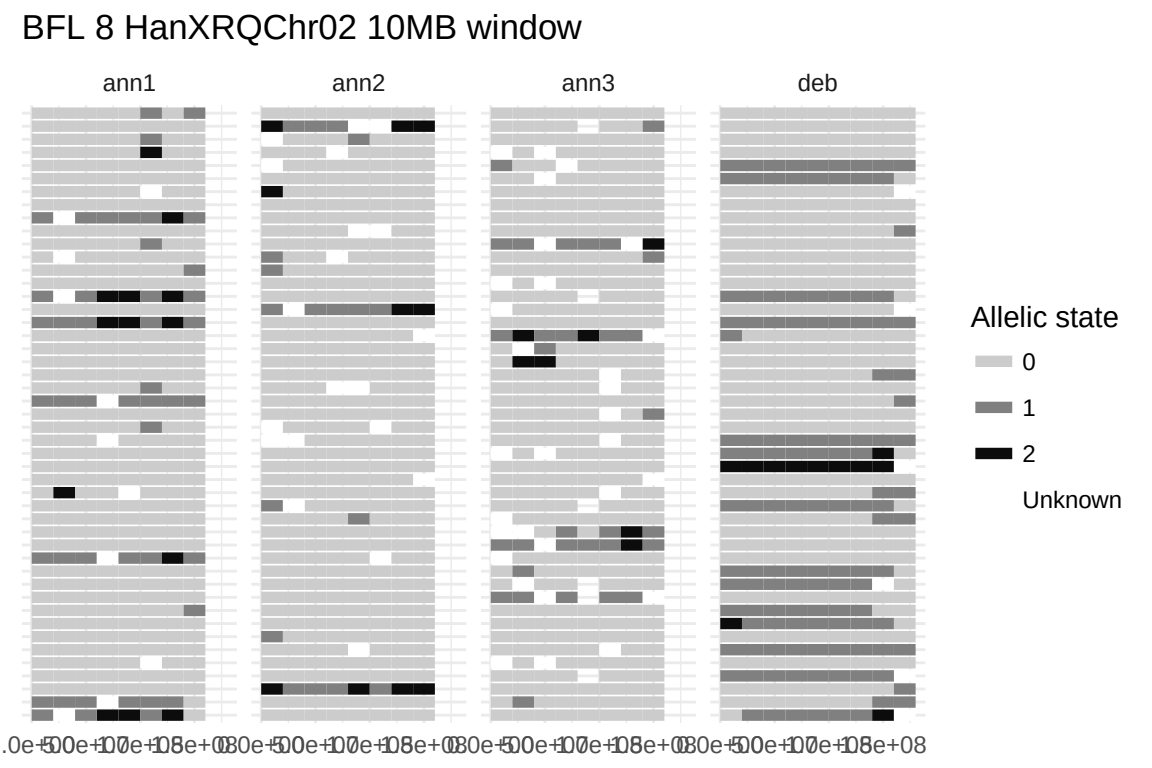
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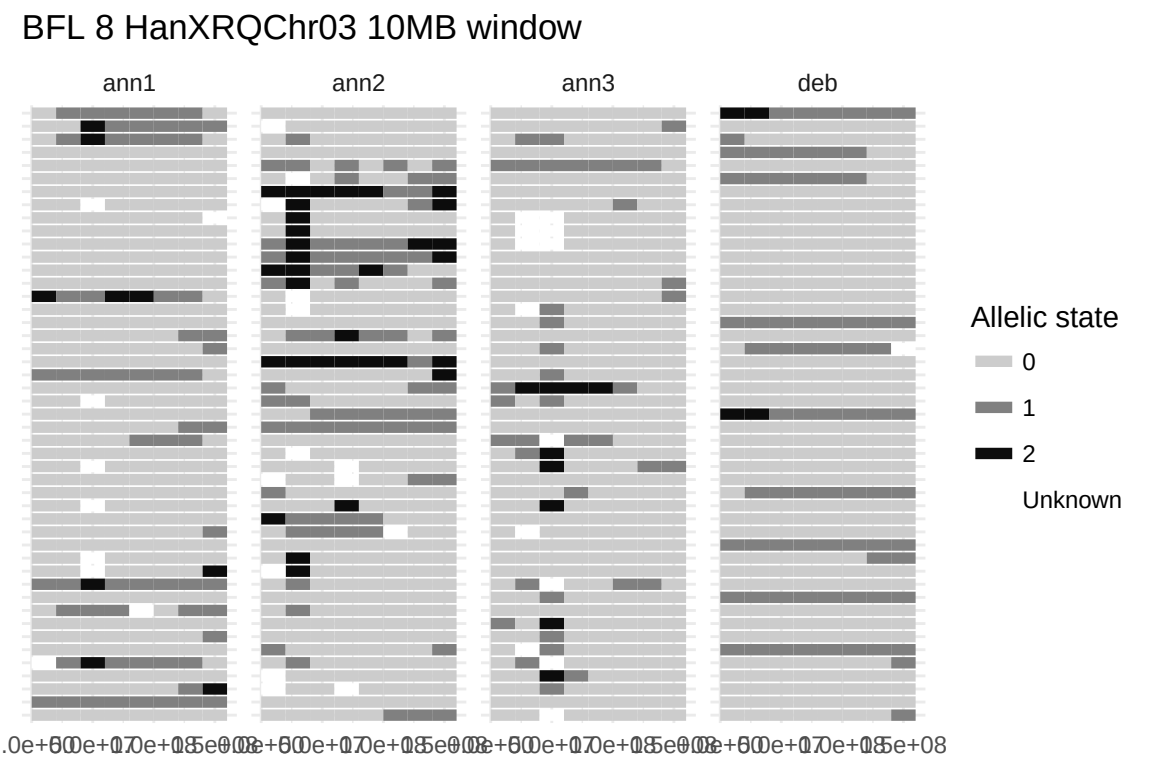
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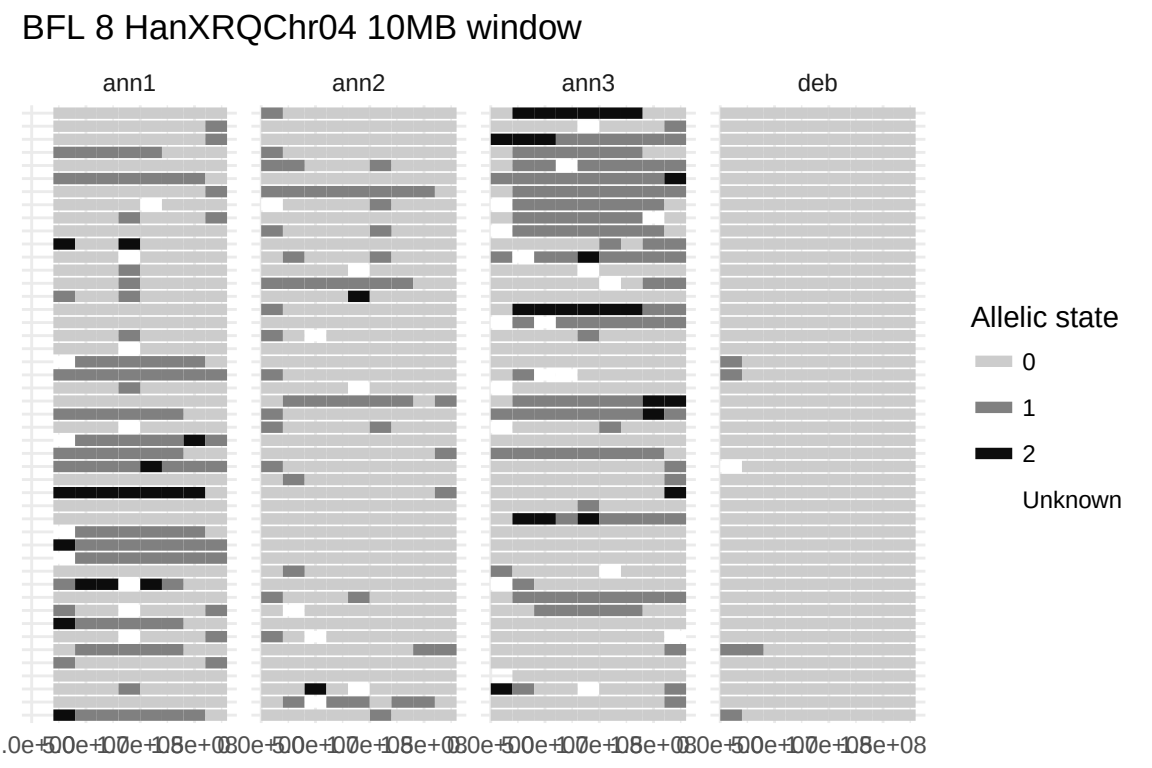
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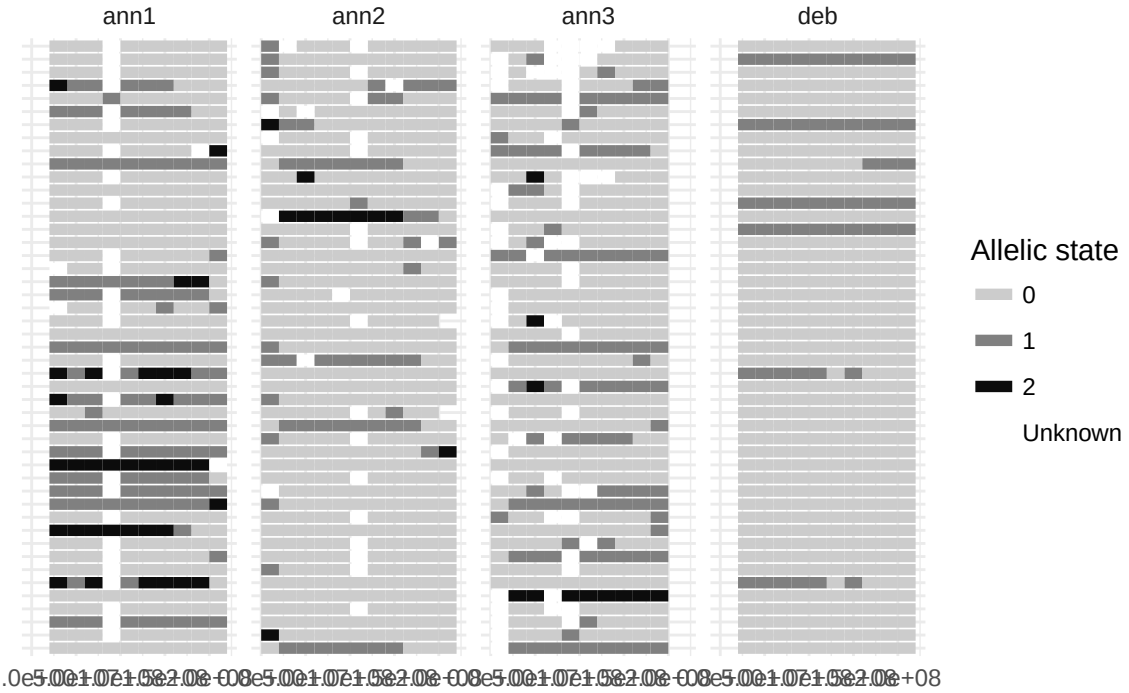

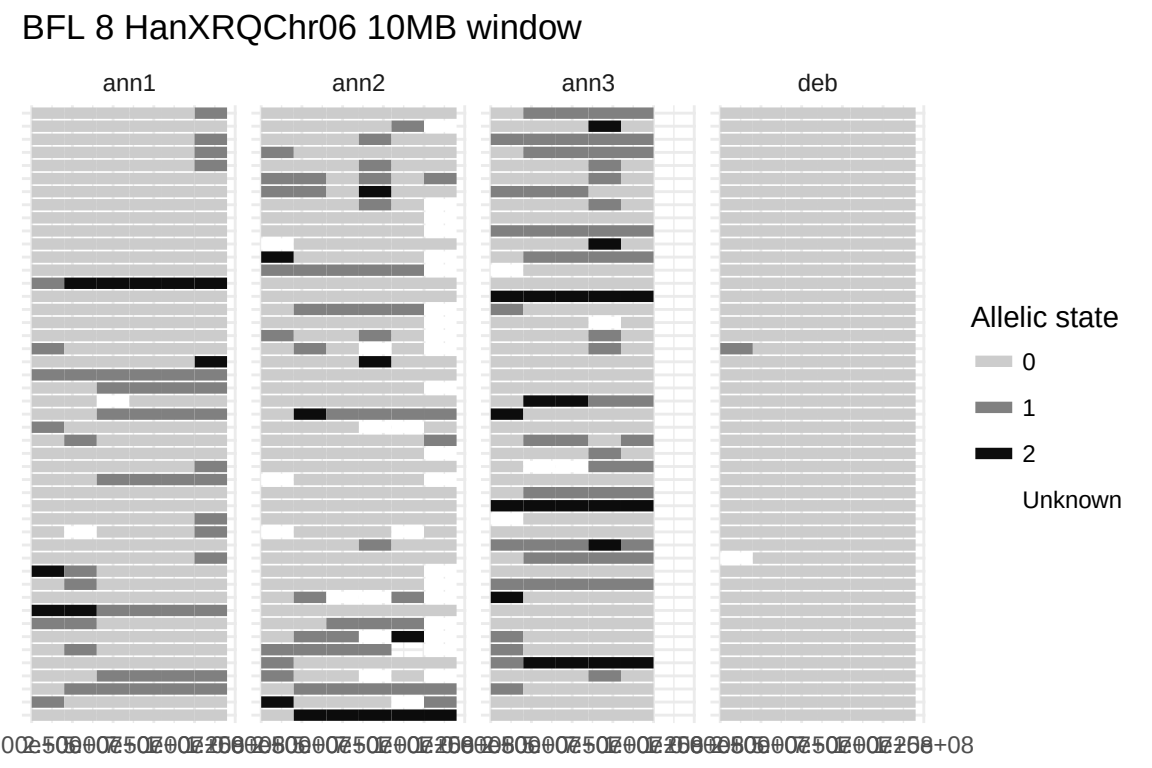
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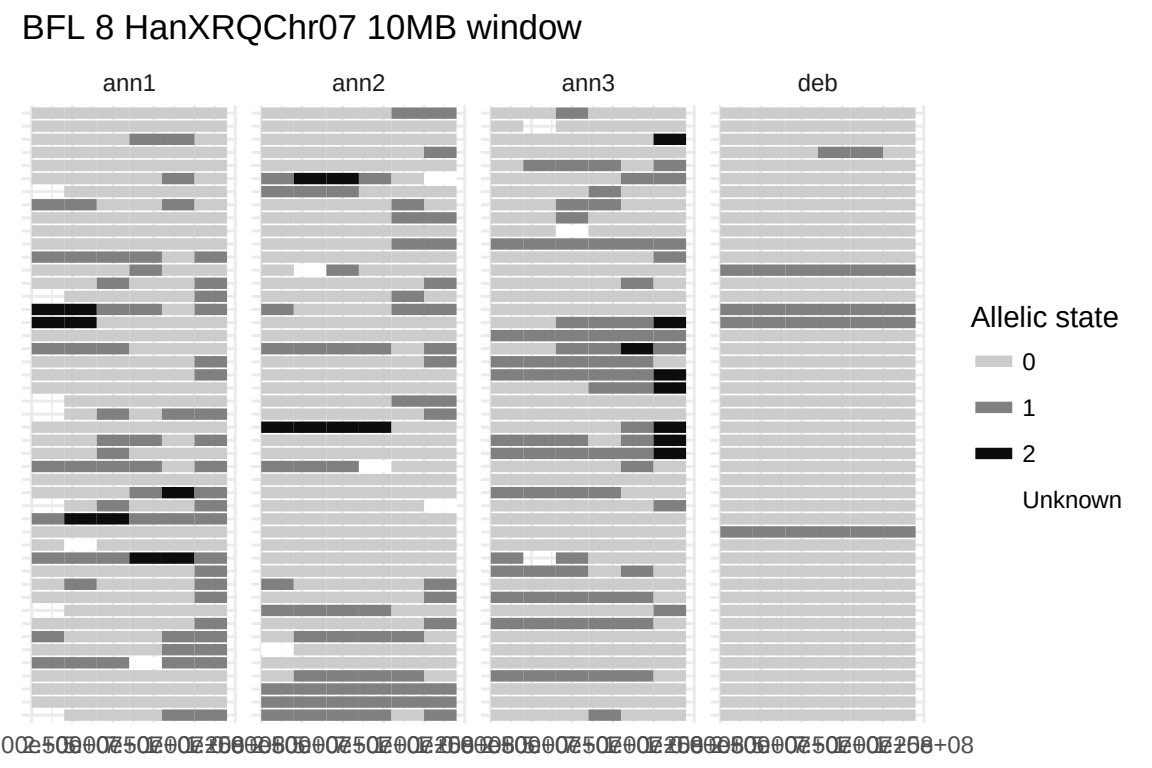
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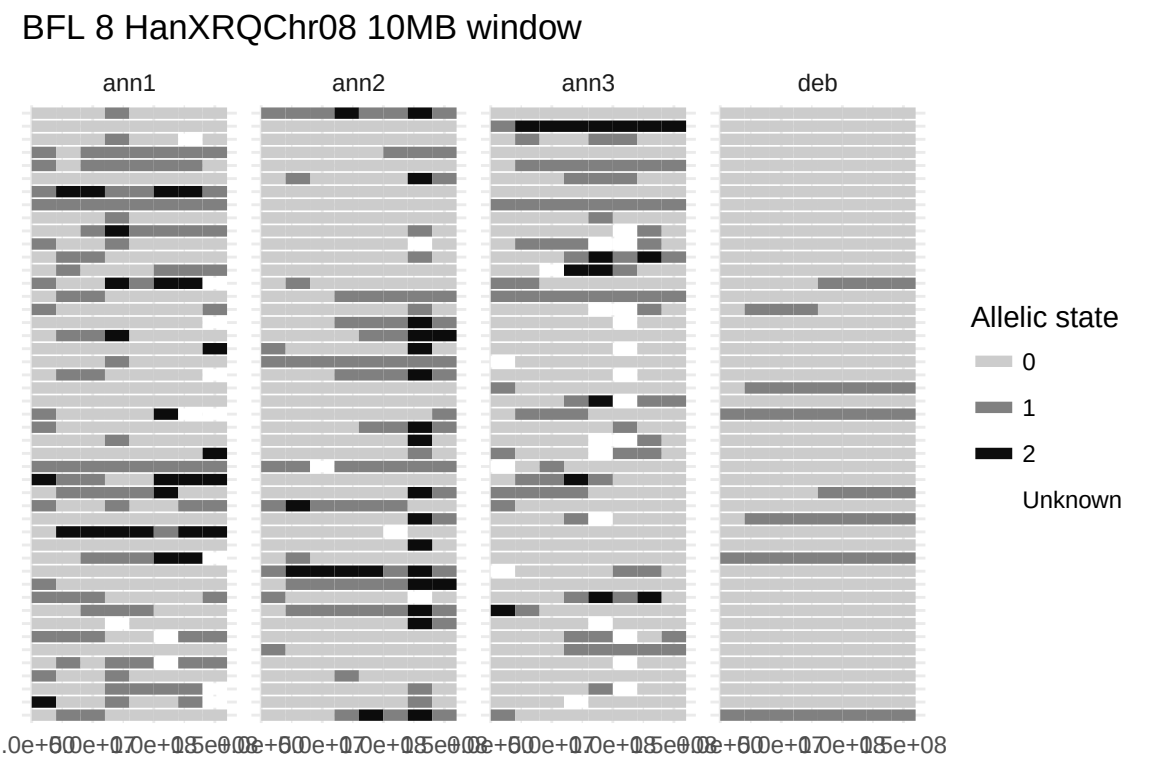
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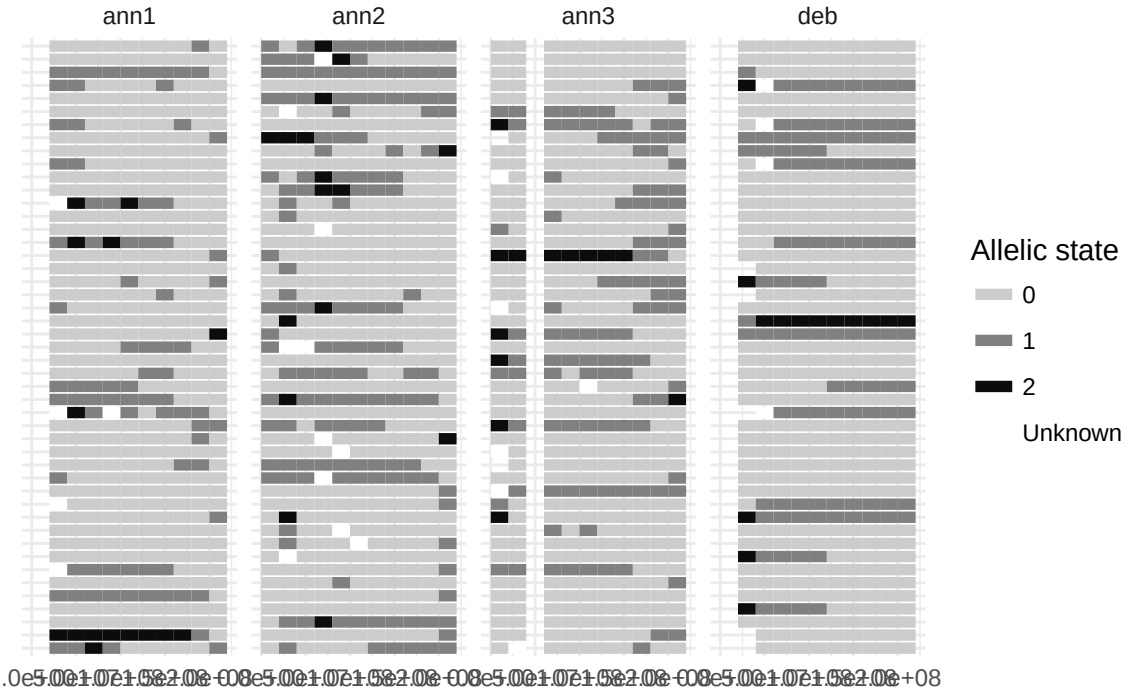

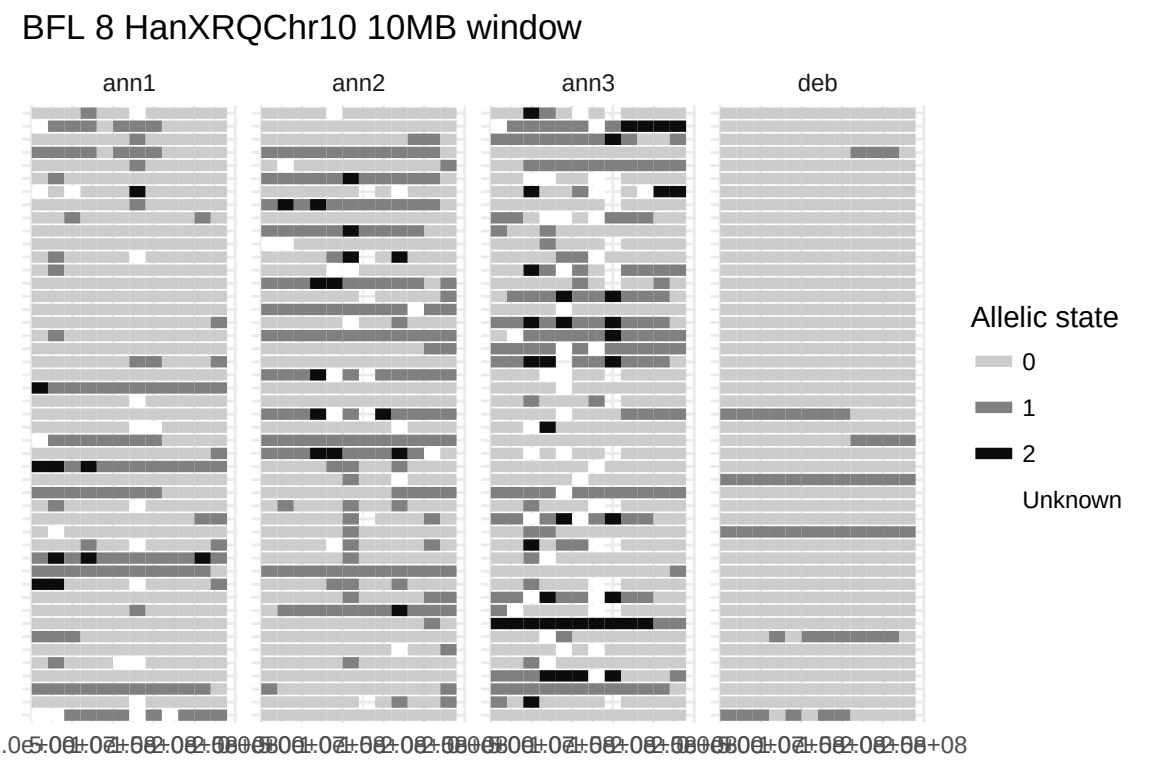
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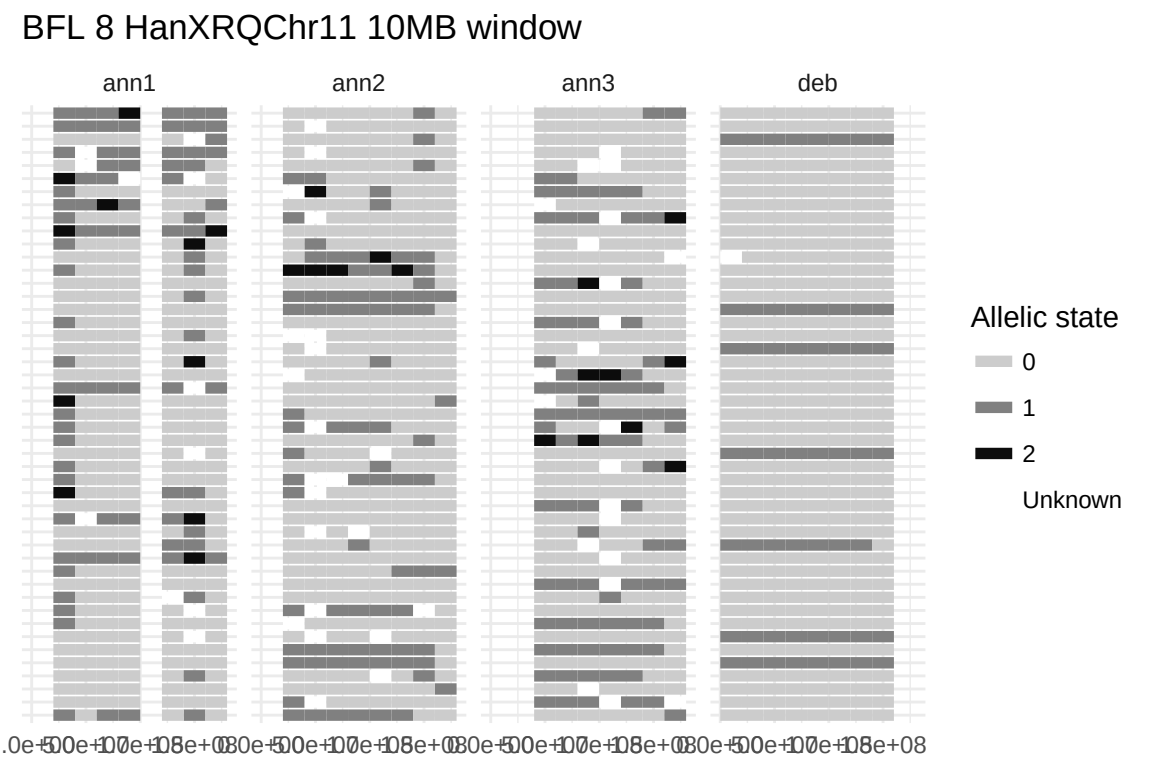
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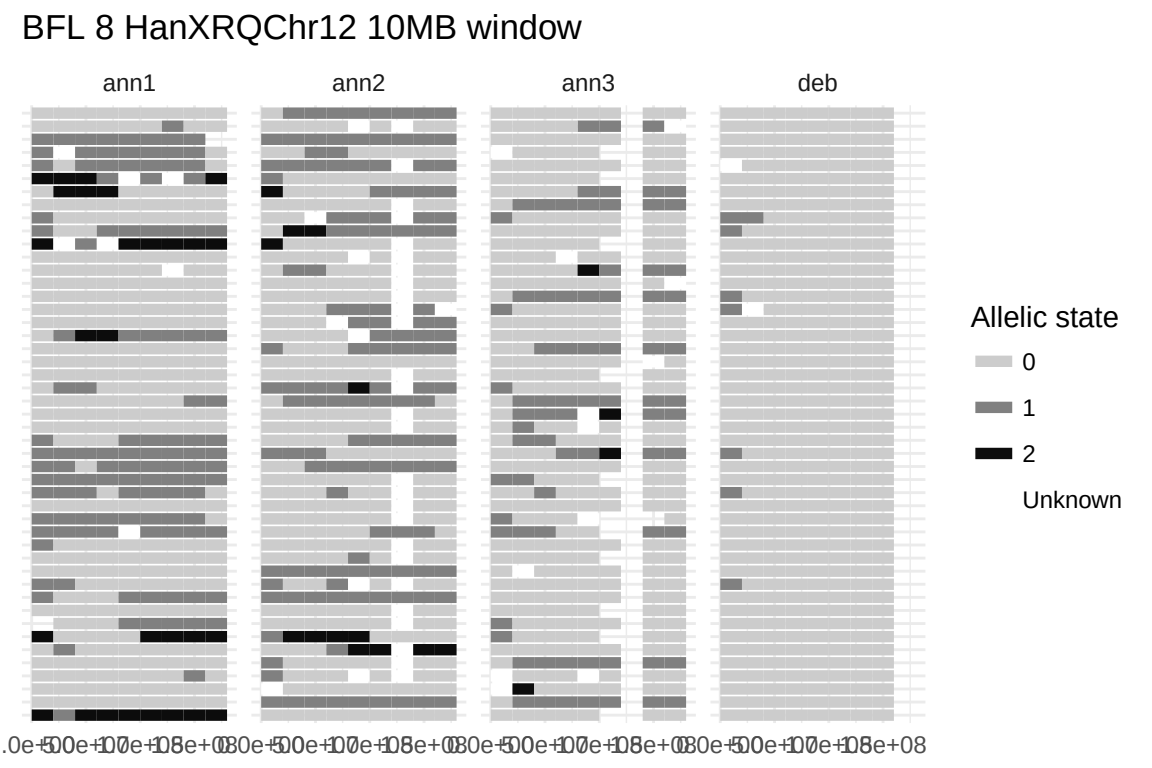
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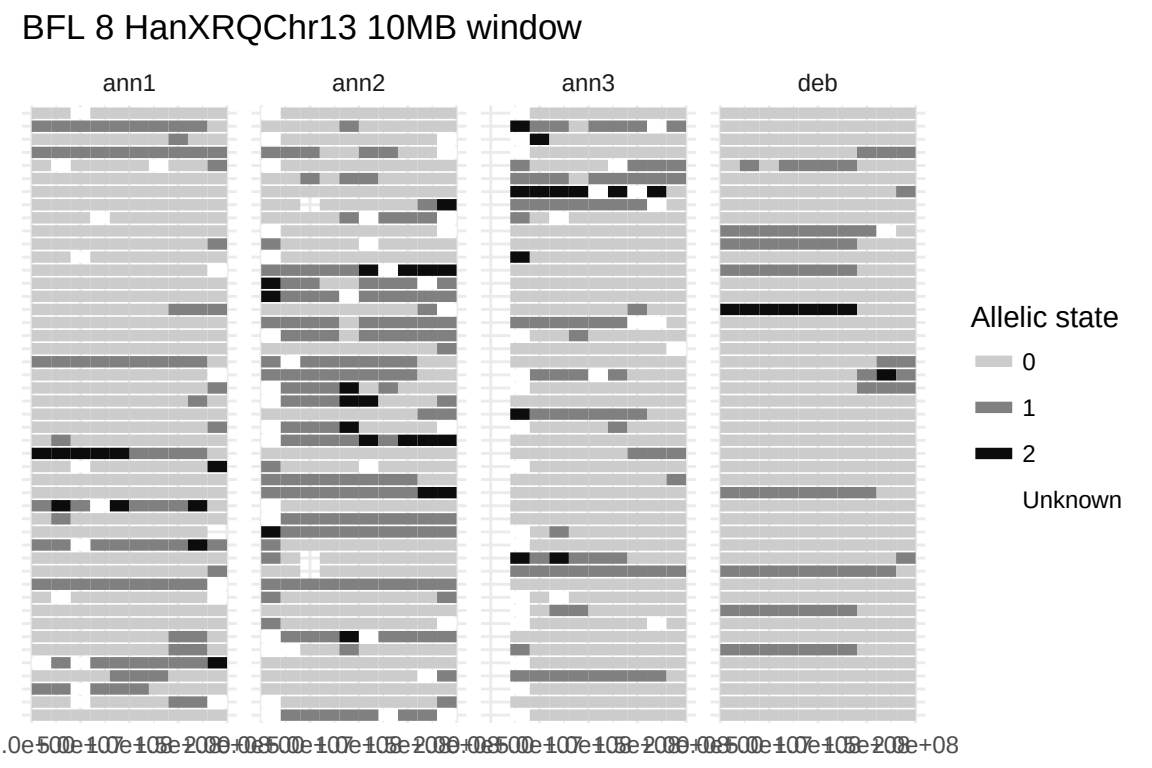
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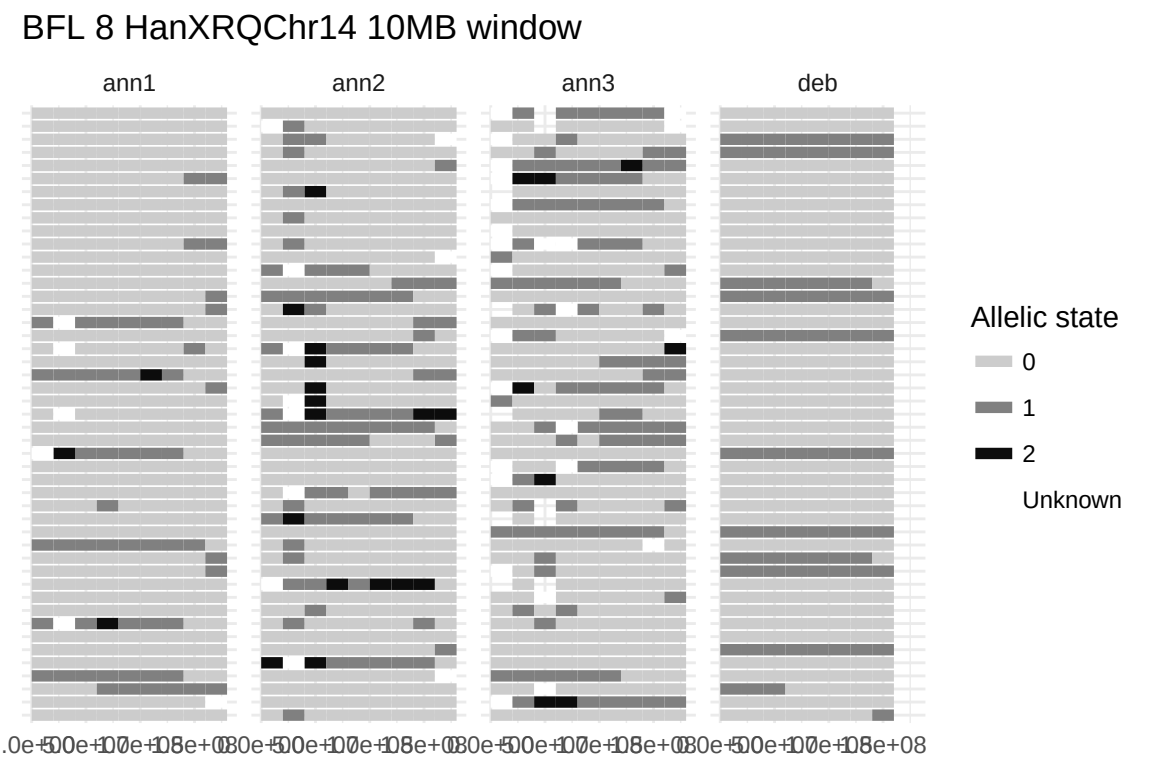
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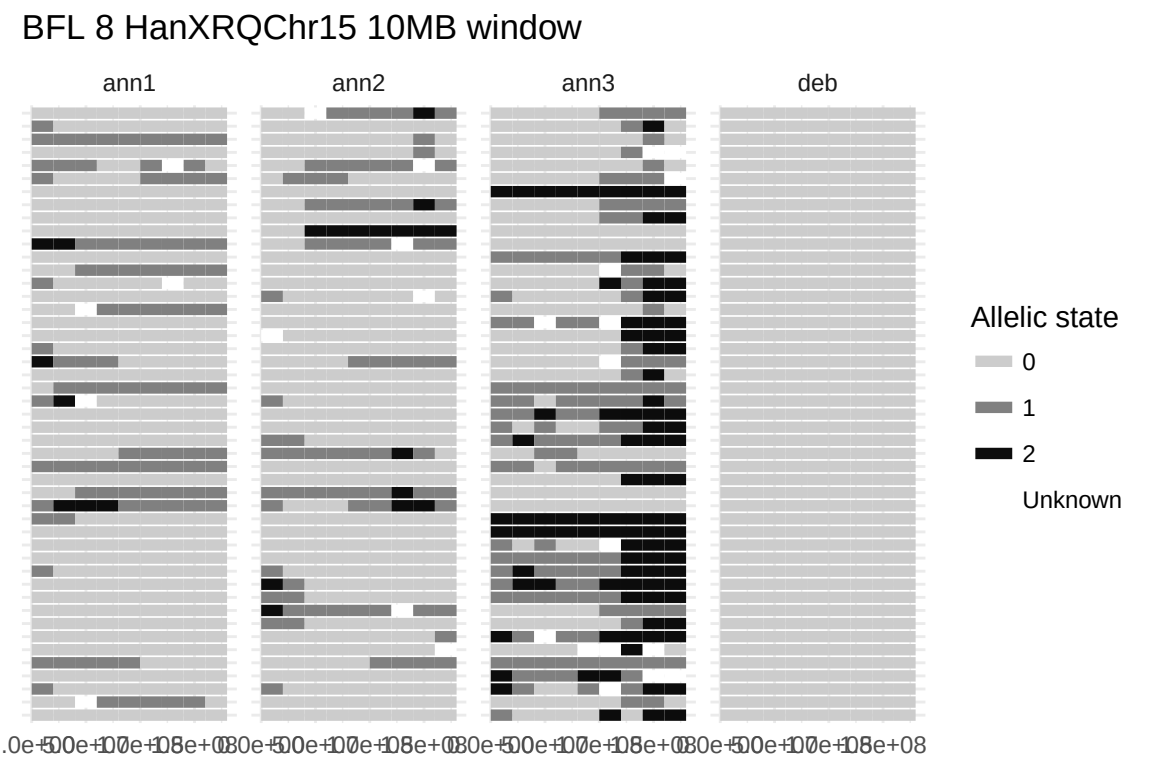
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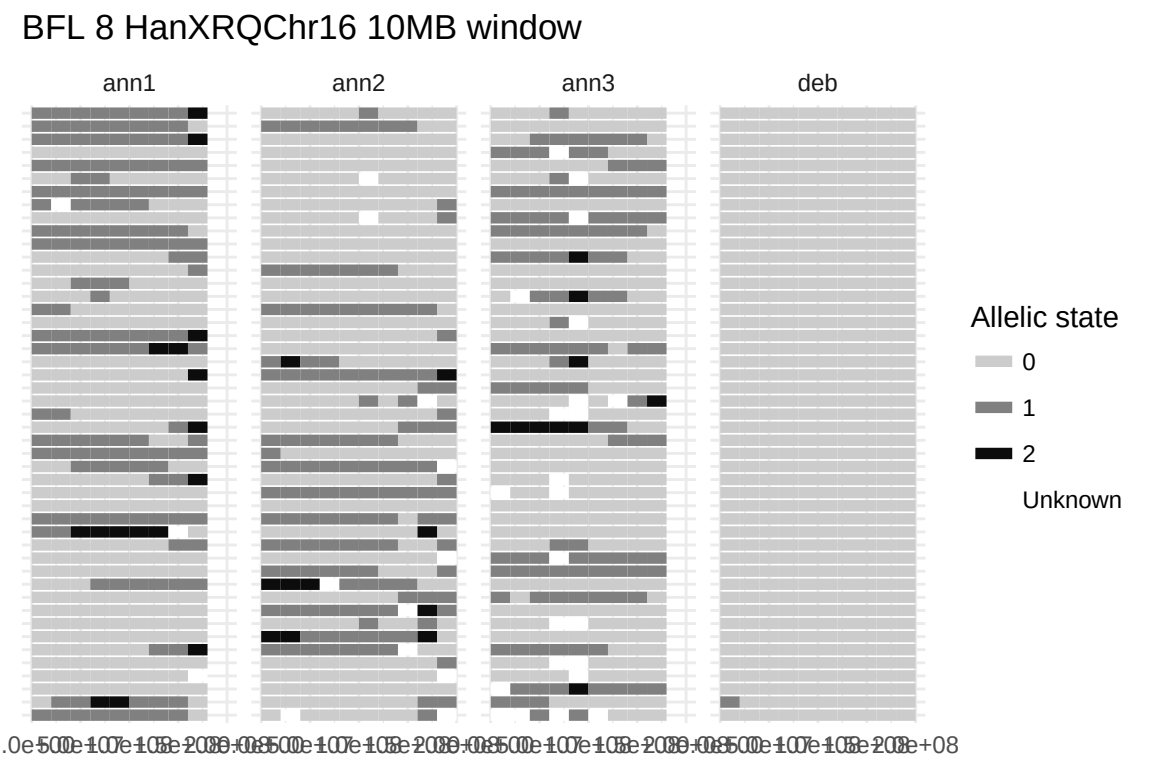
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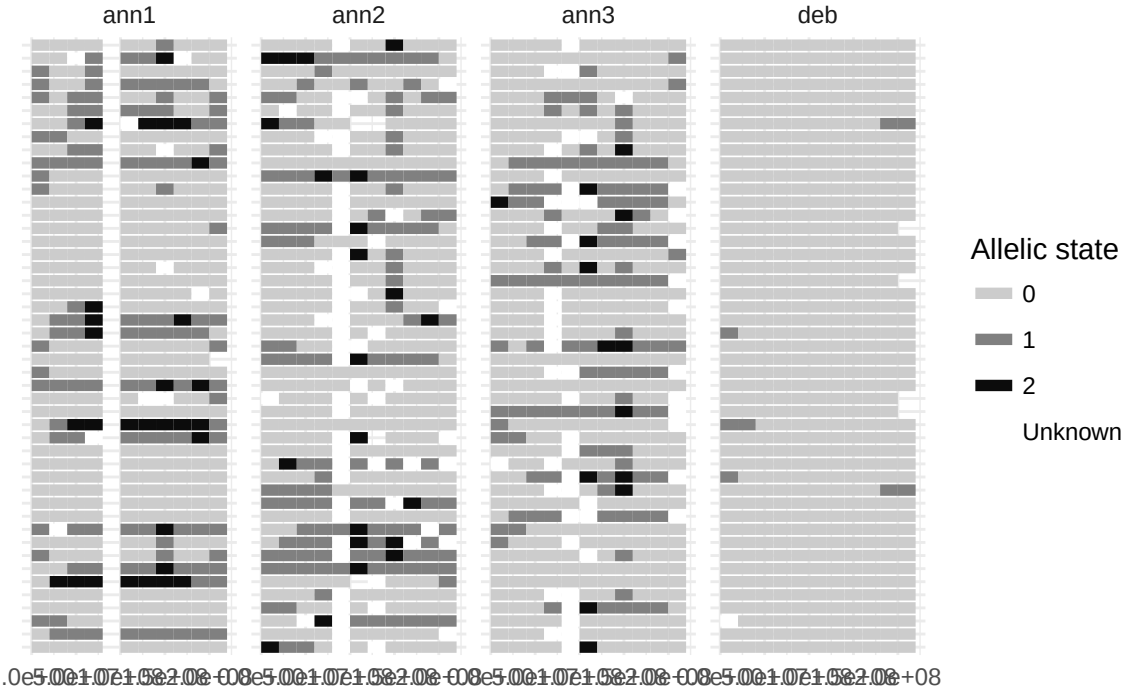

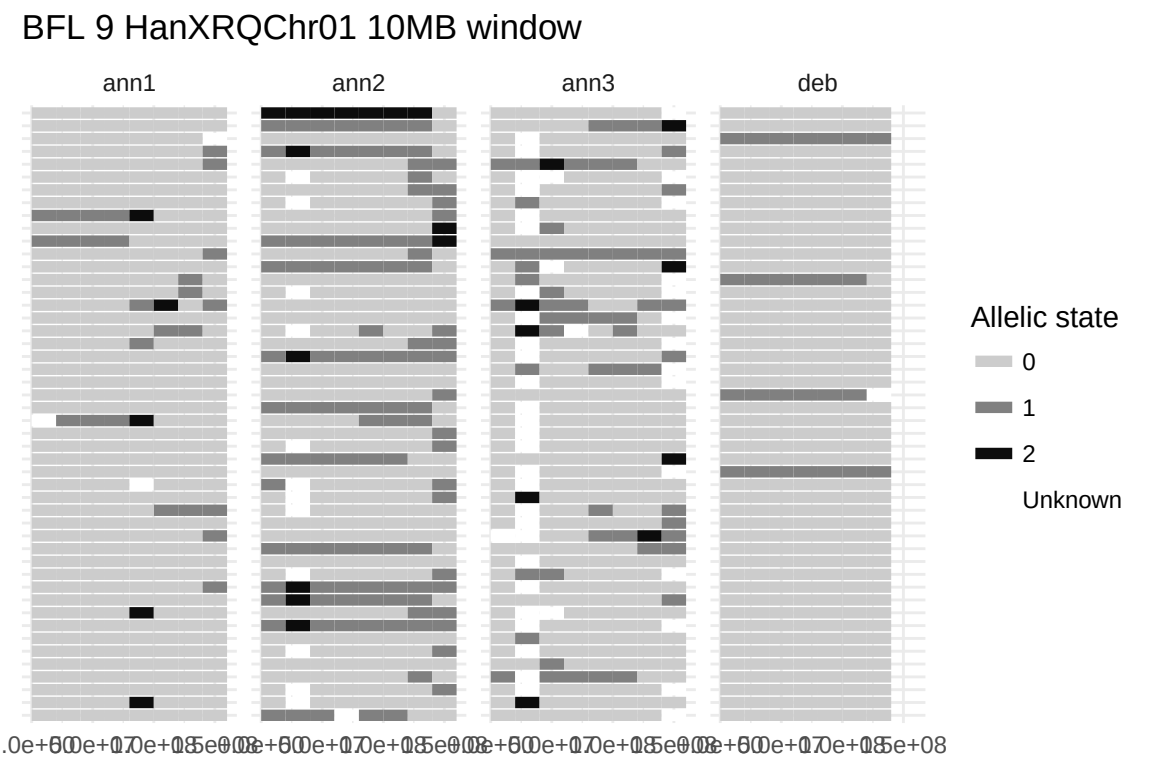
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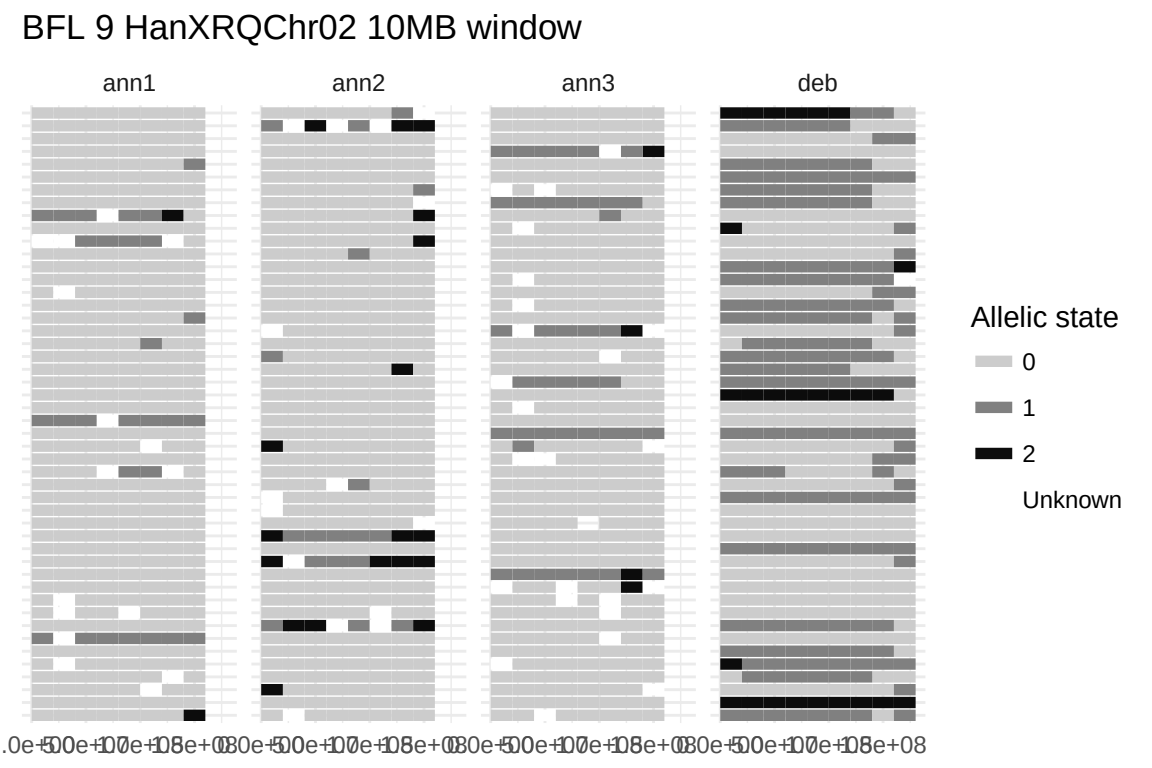
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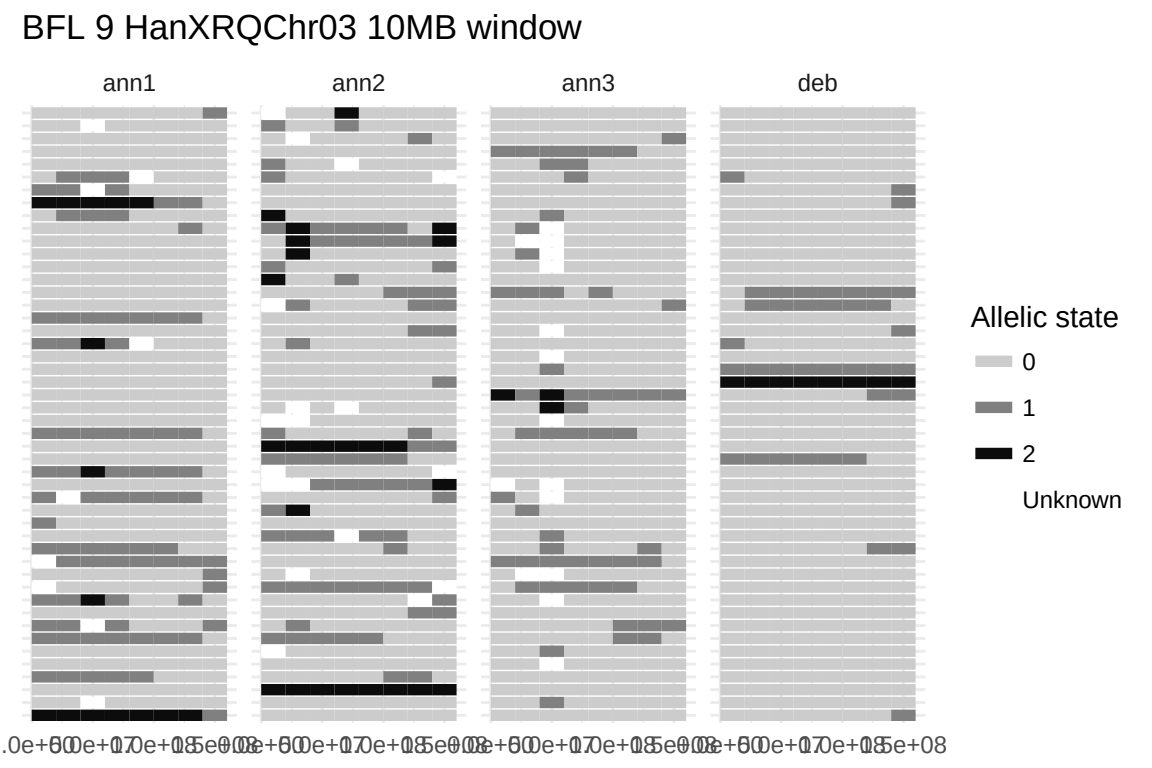
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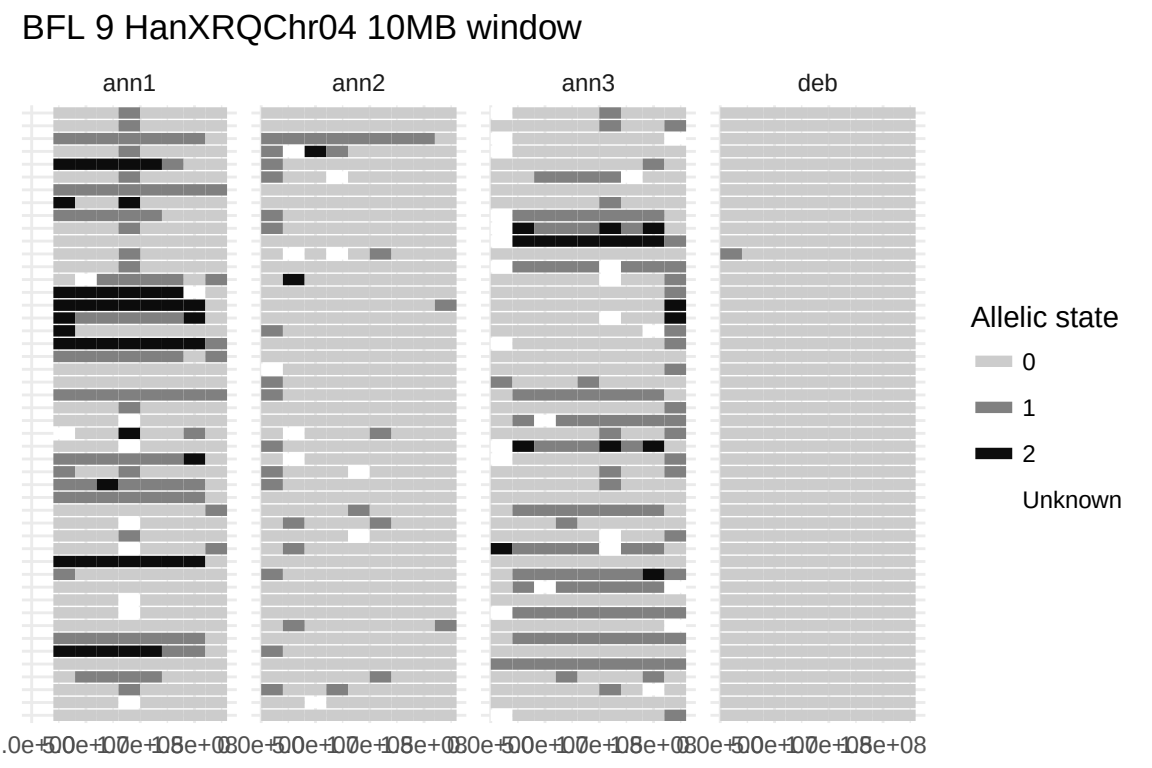
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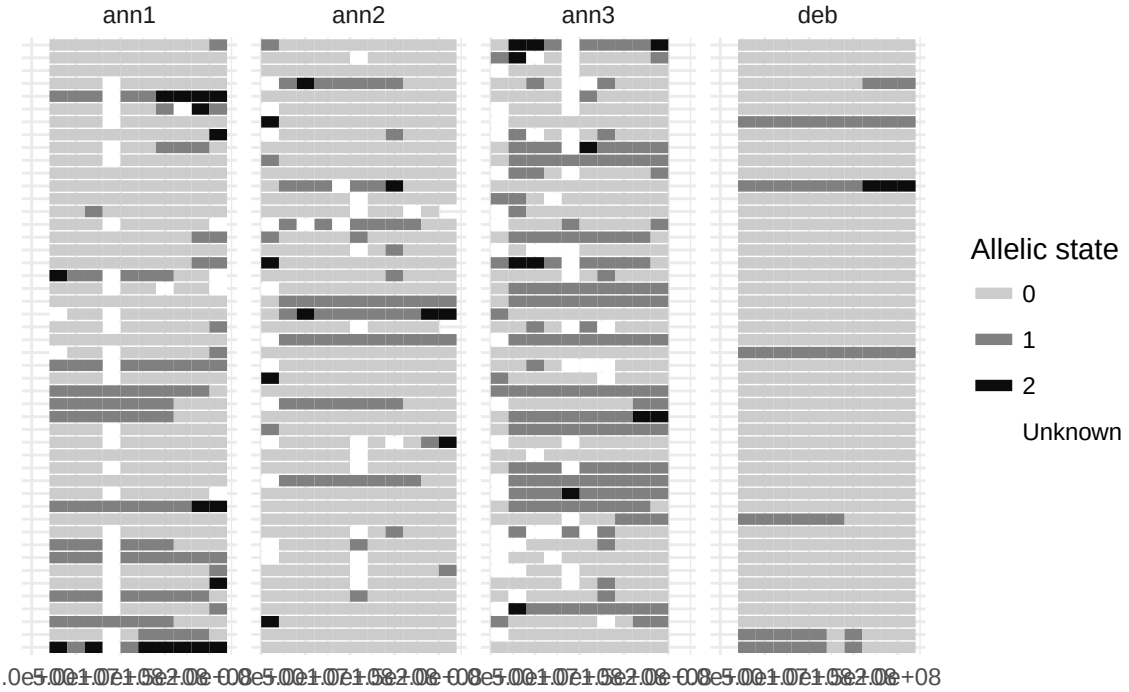
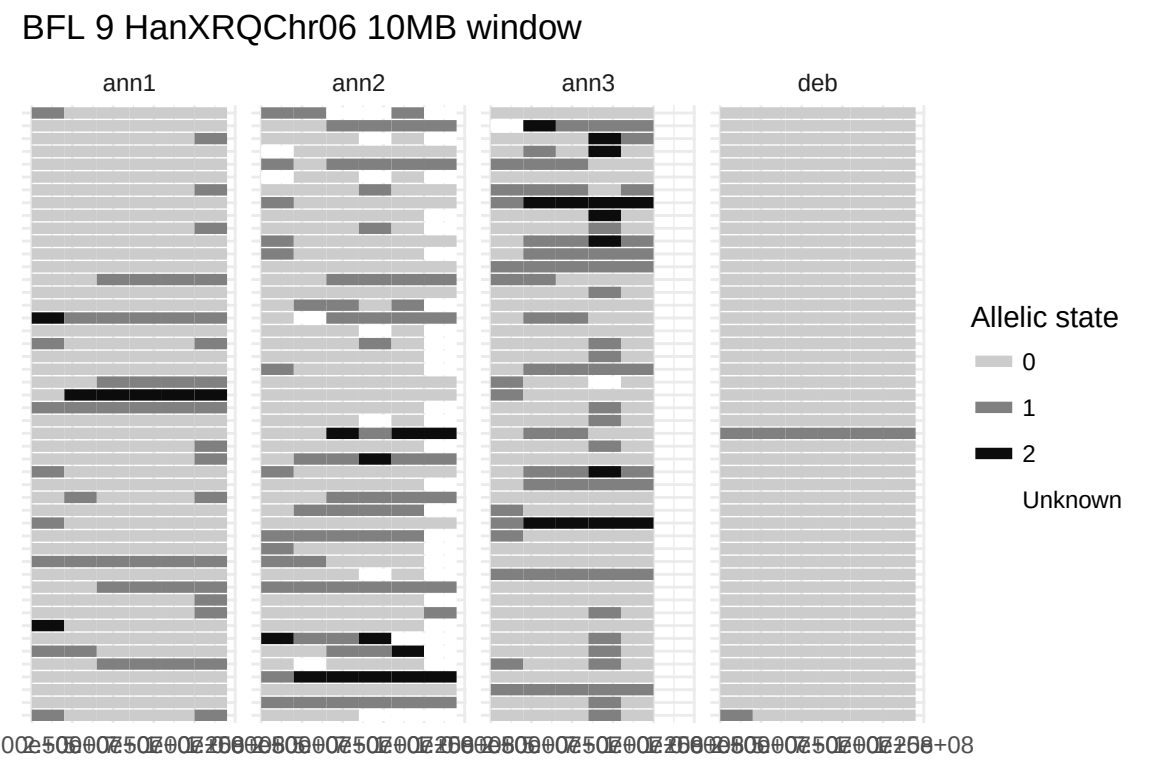
BFL 9 HanXRQChr05 10MB window

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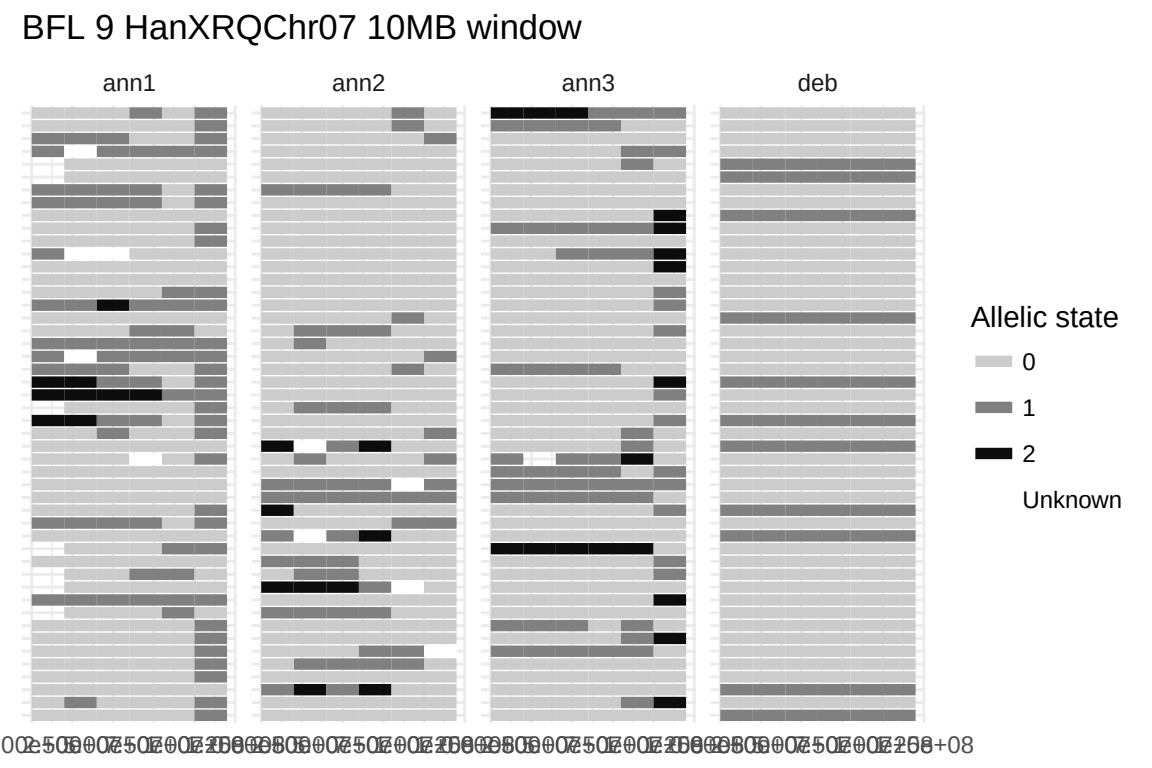
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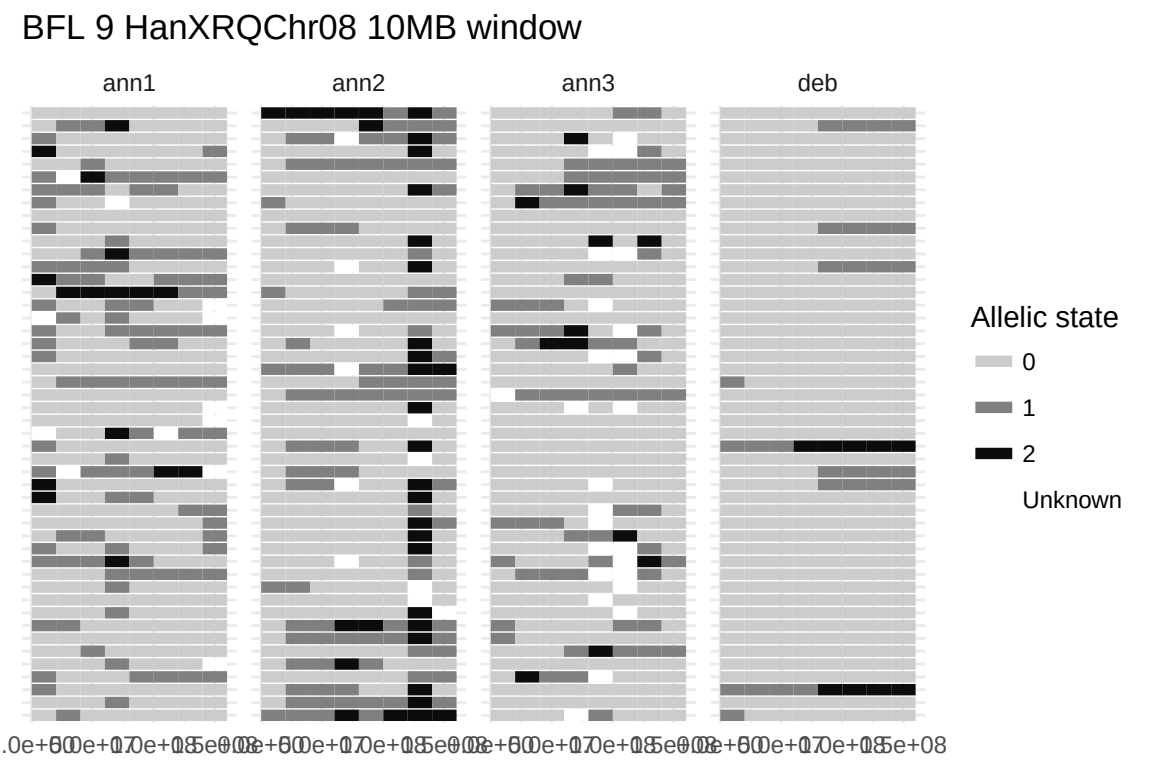
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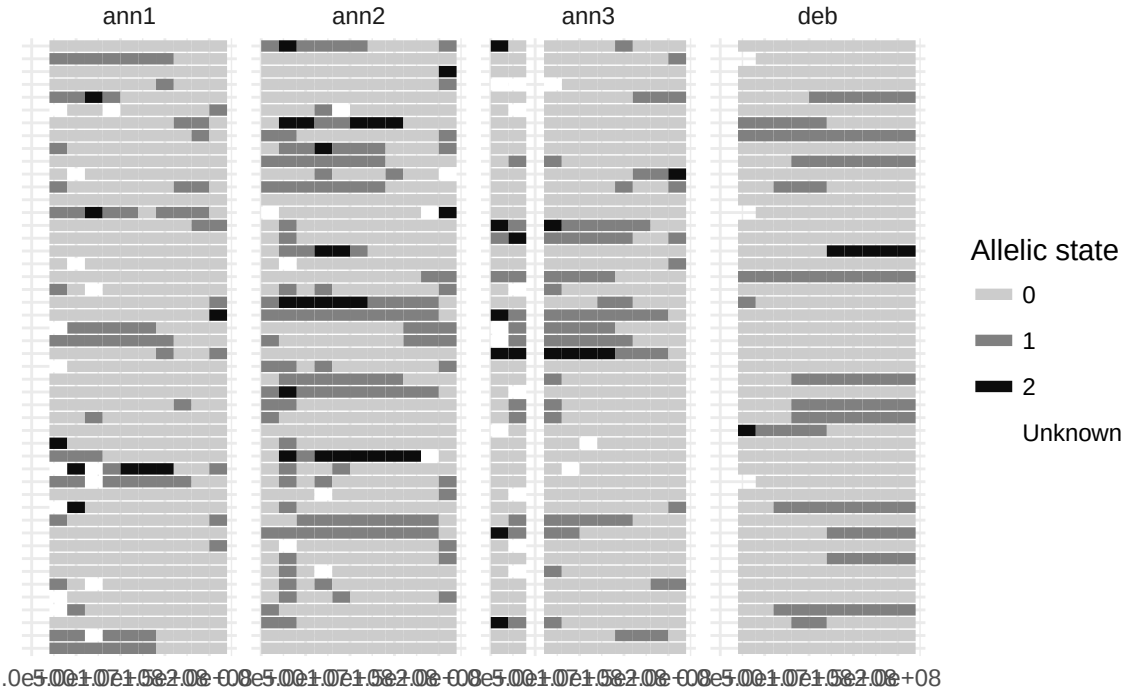

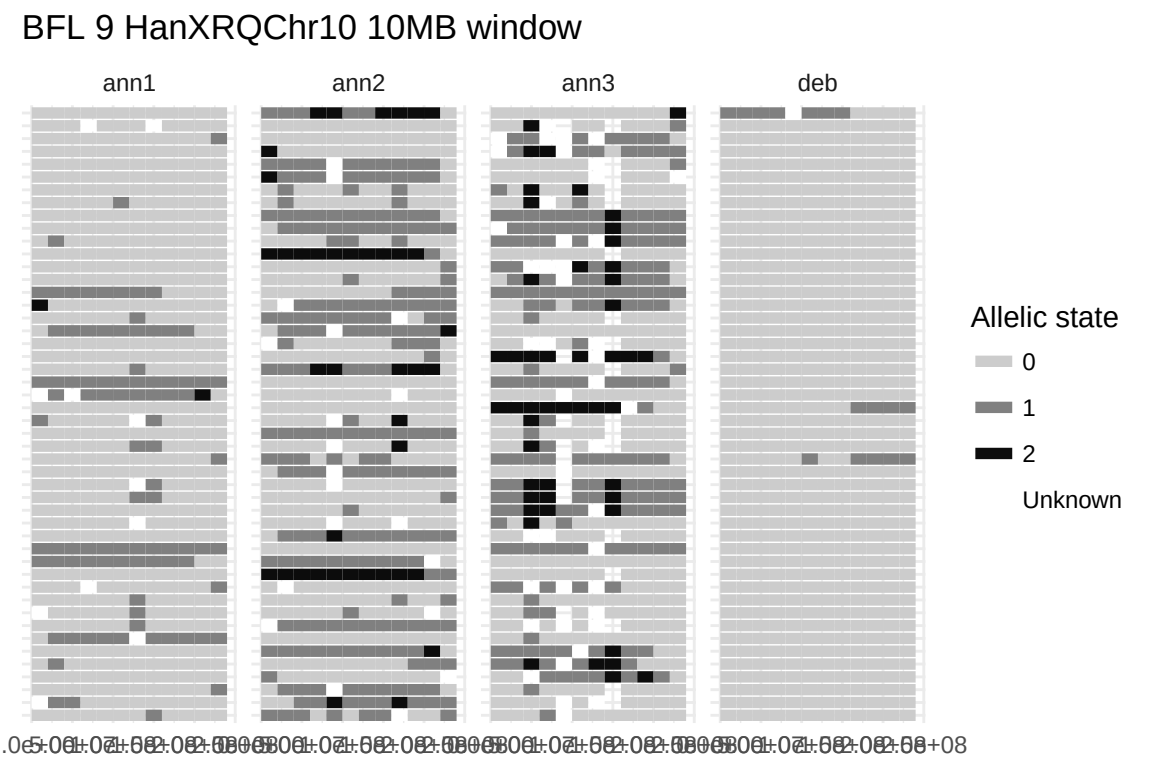
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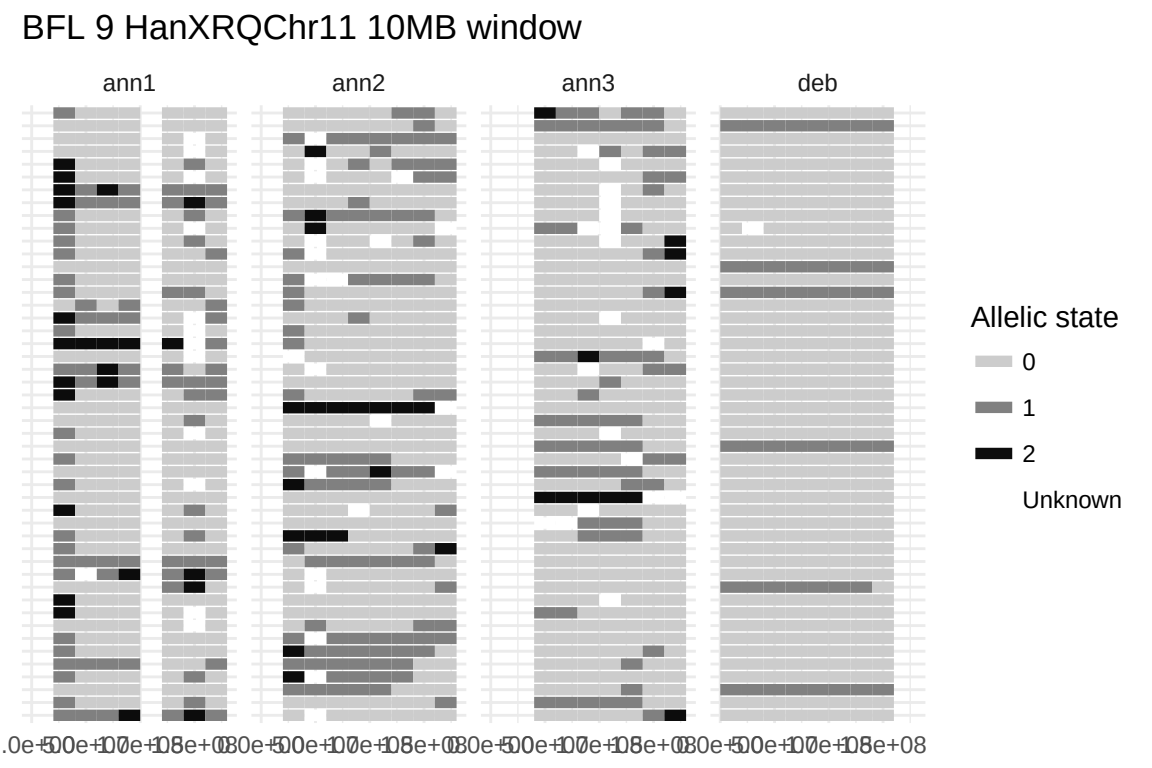
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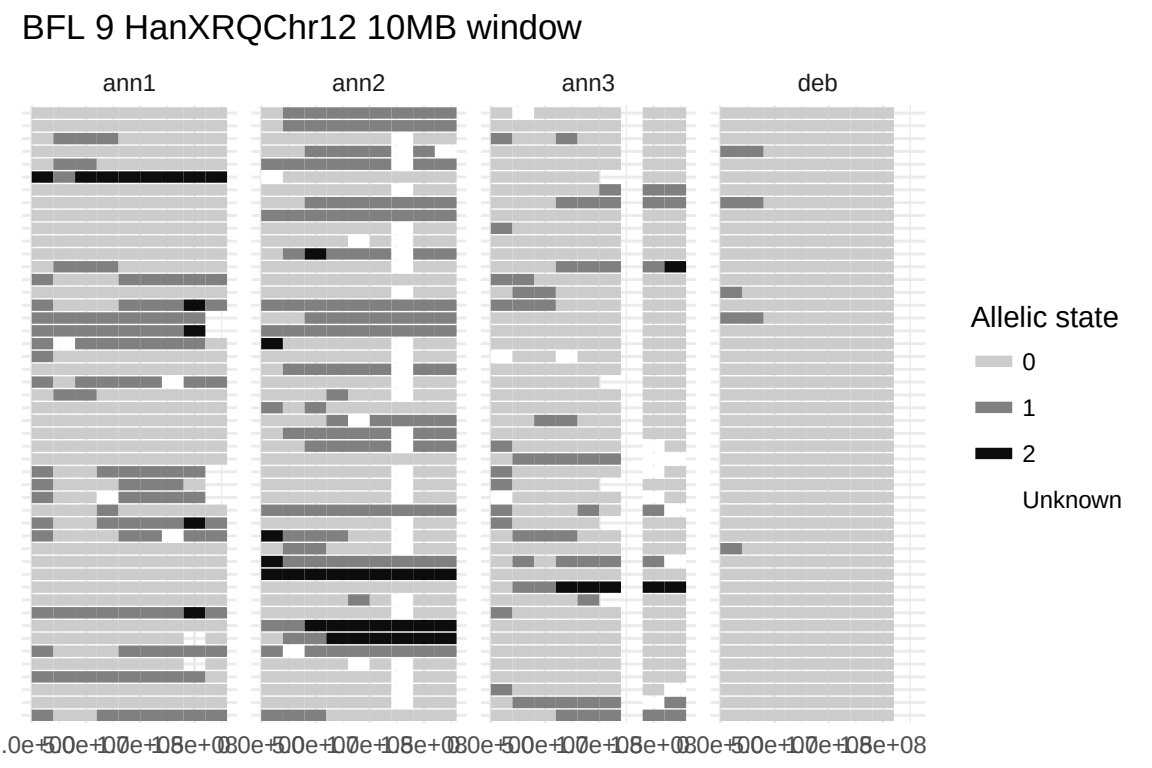
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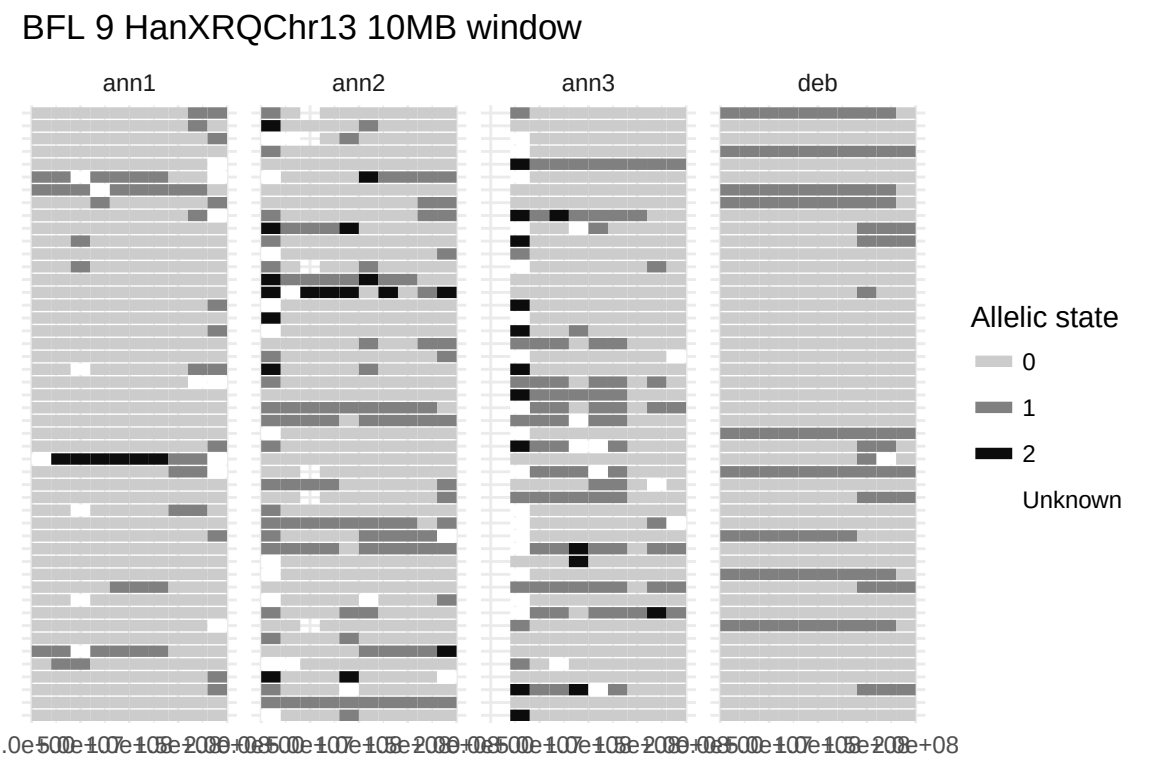
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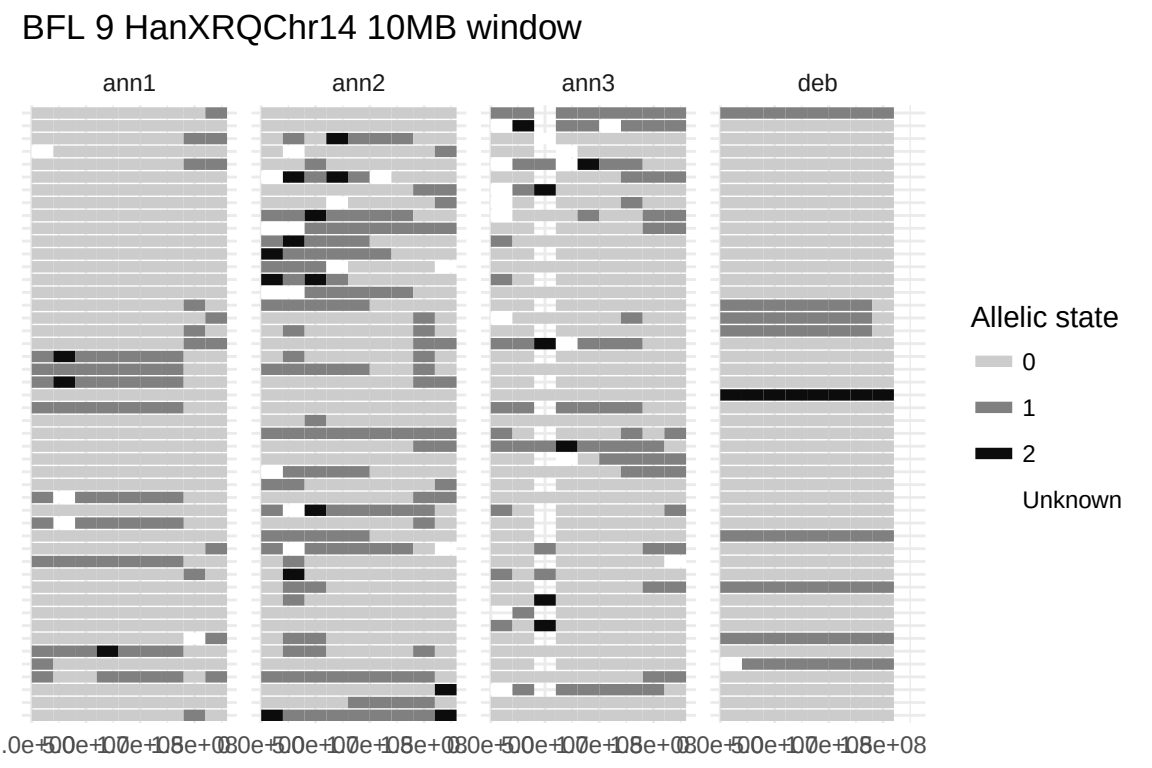
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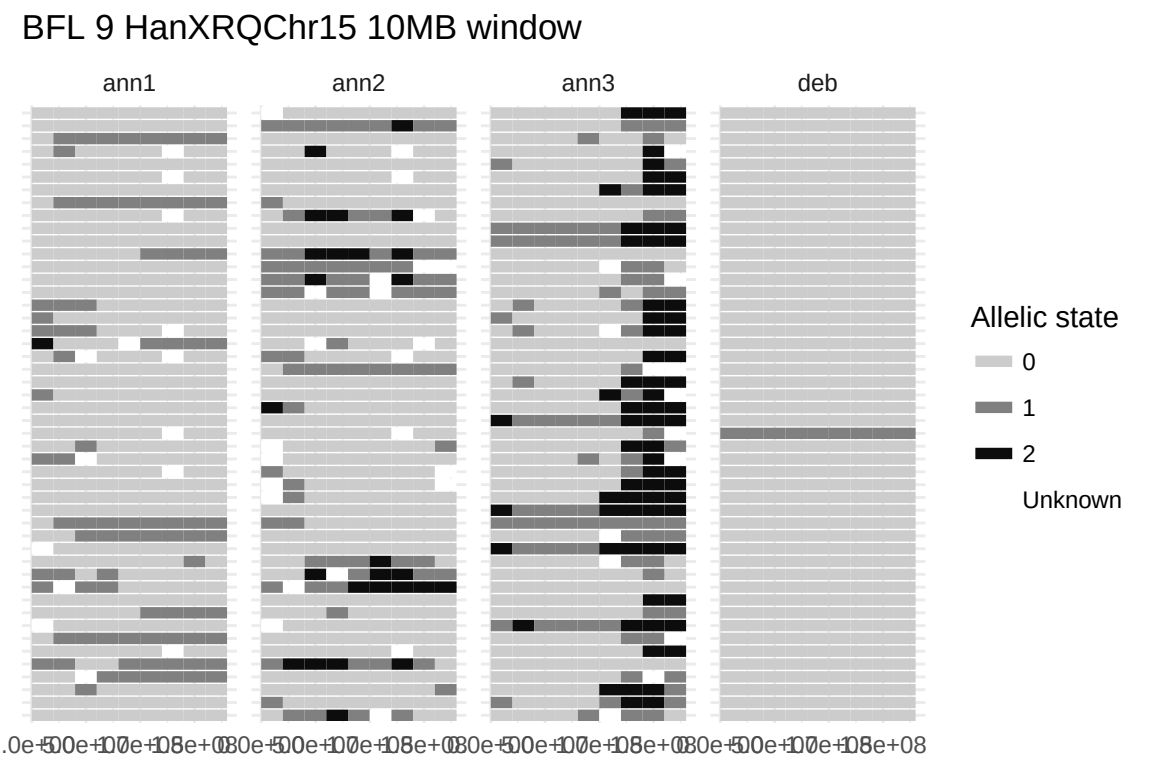
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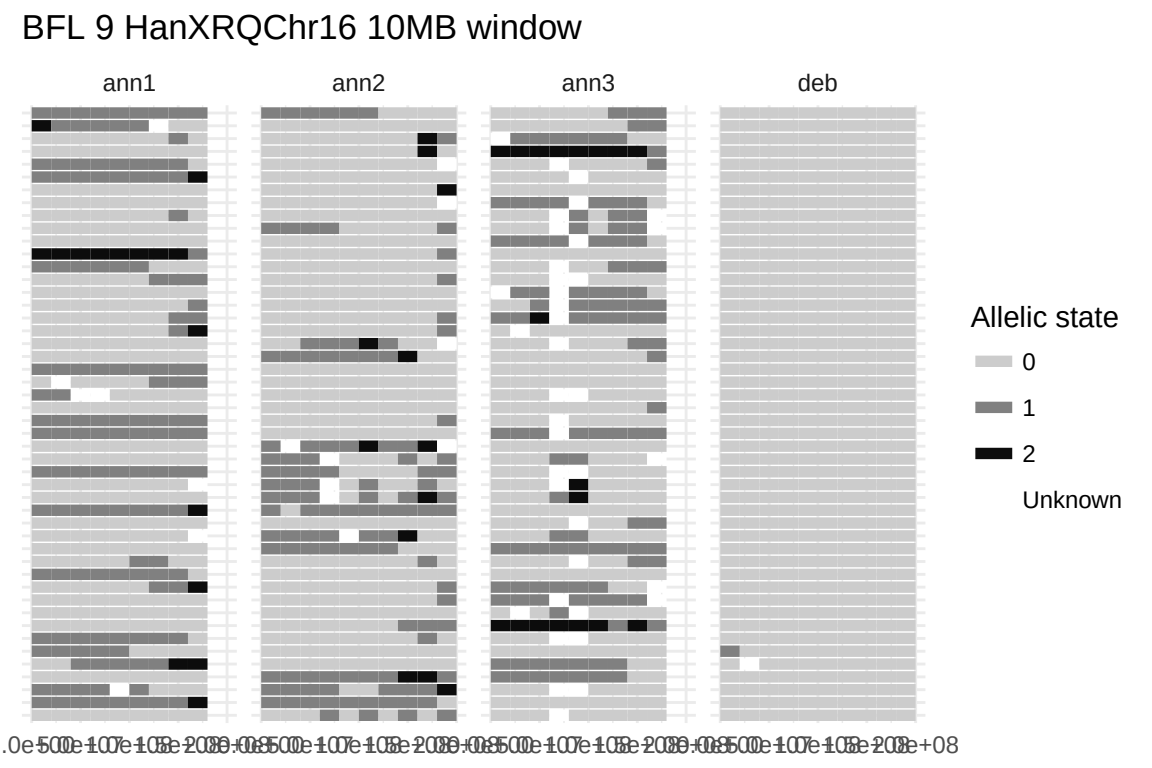
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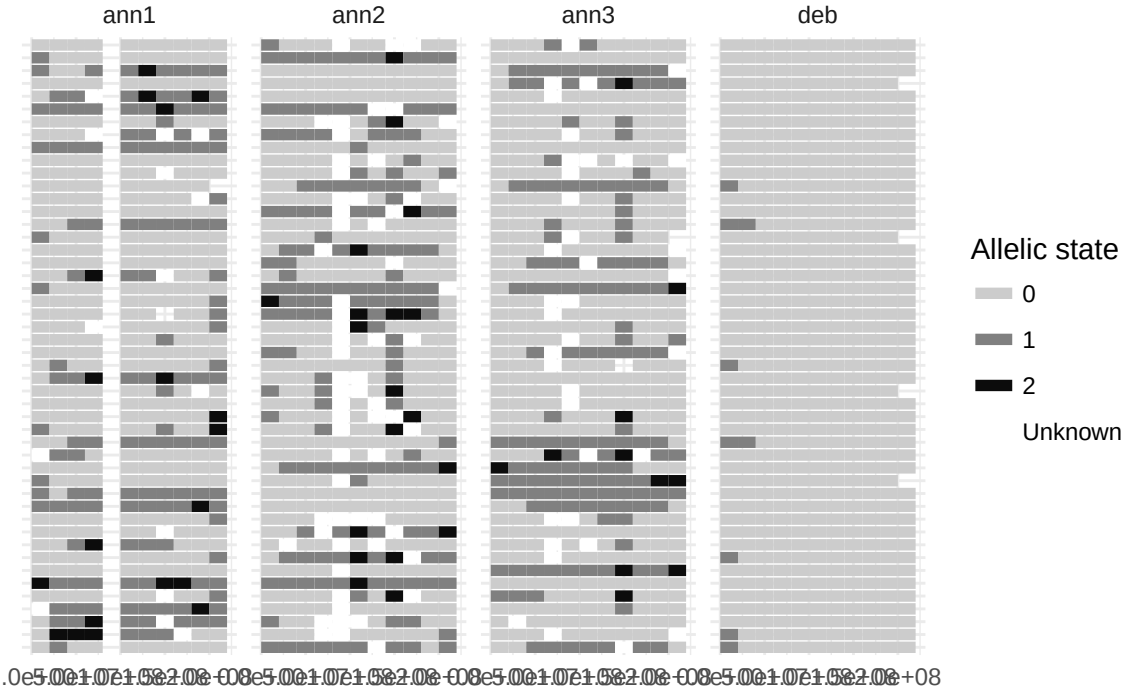
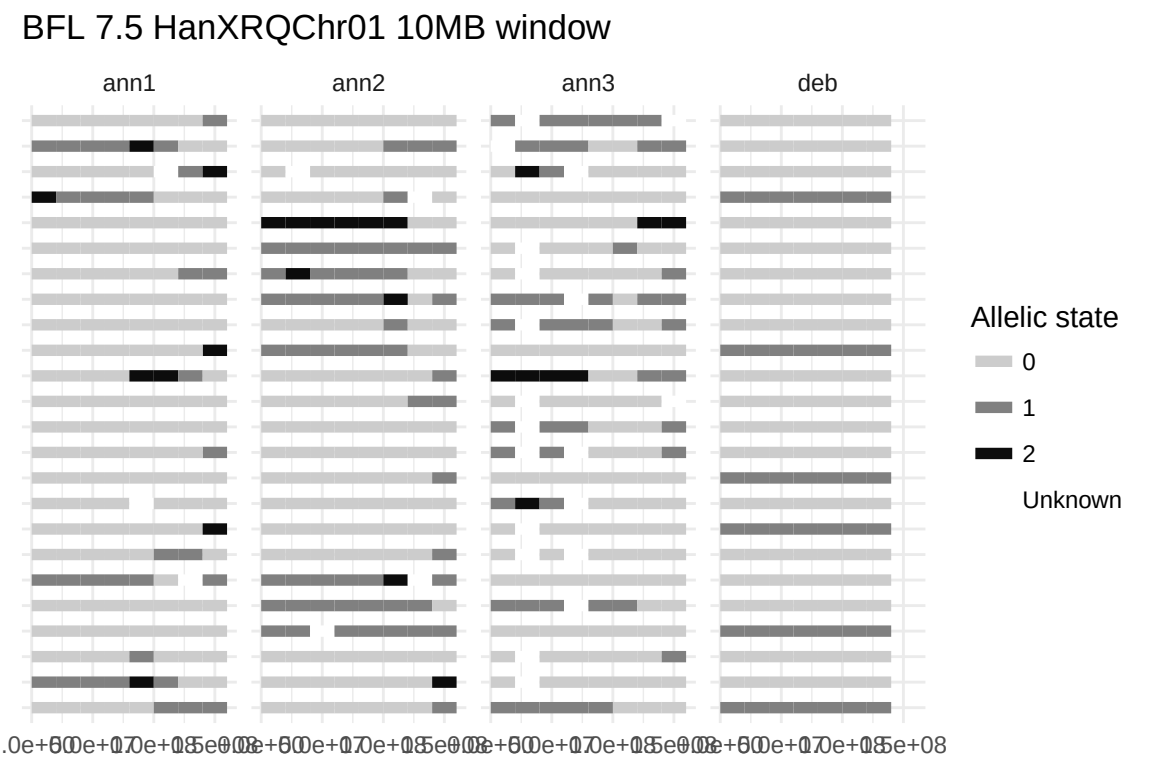
BFL 9 HanXRQChr17 10MB window

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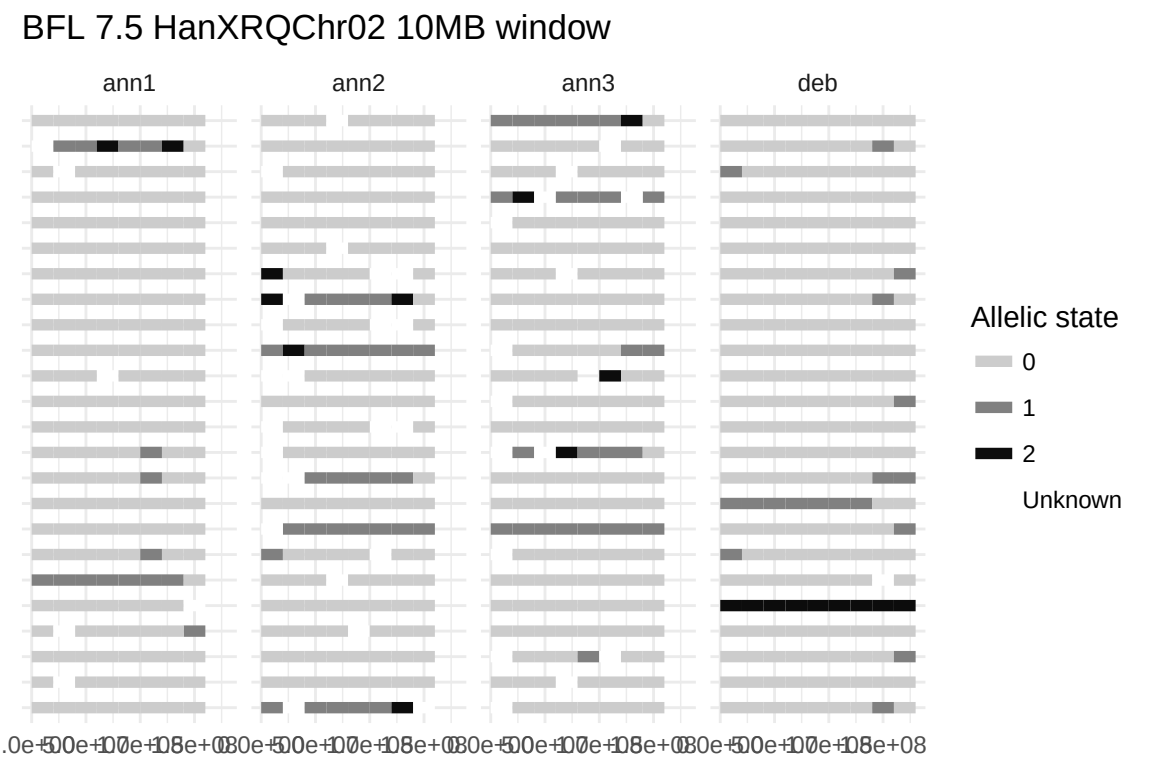
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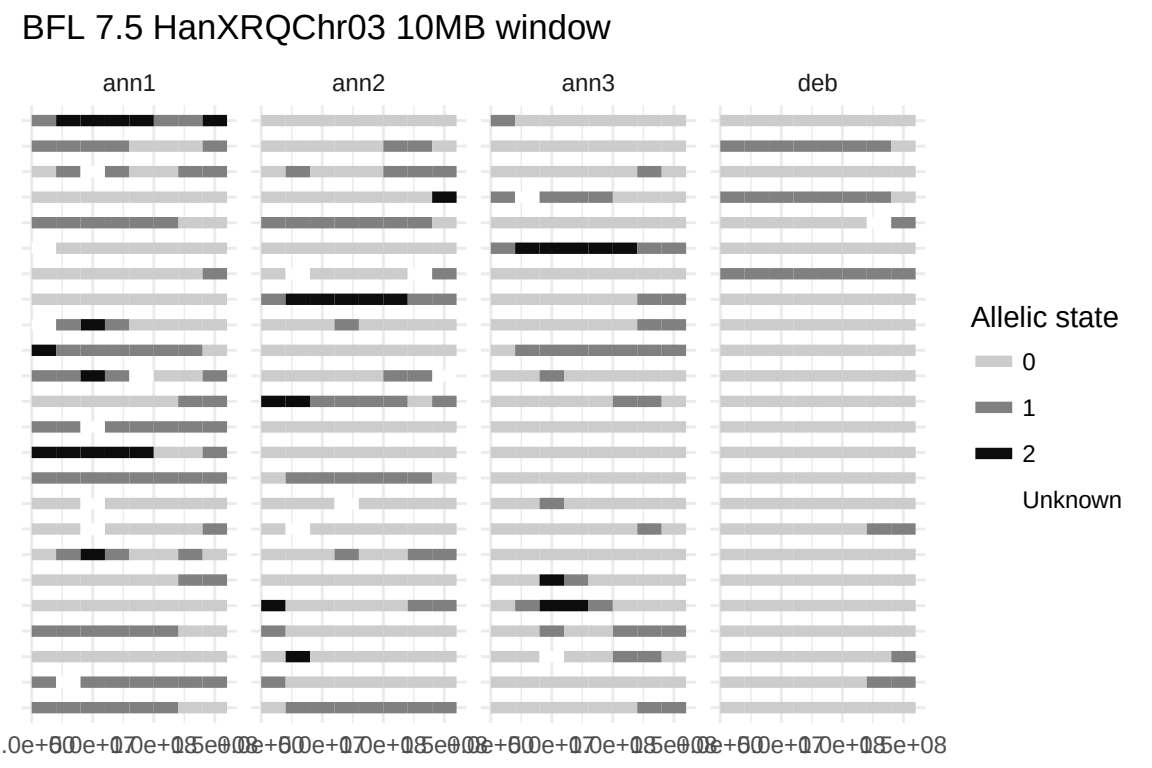
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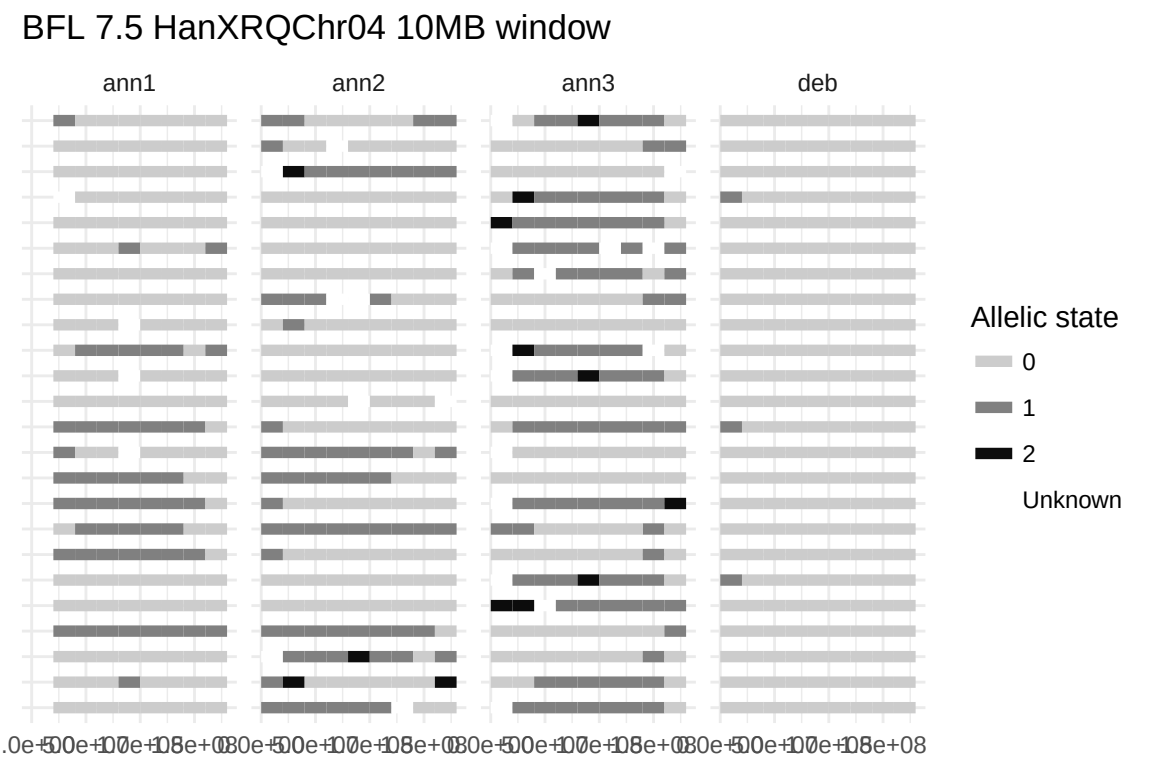
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ann3
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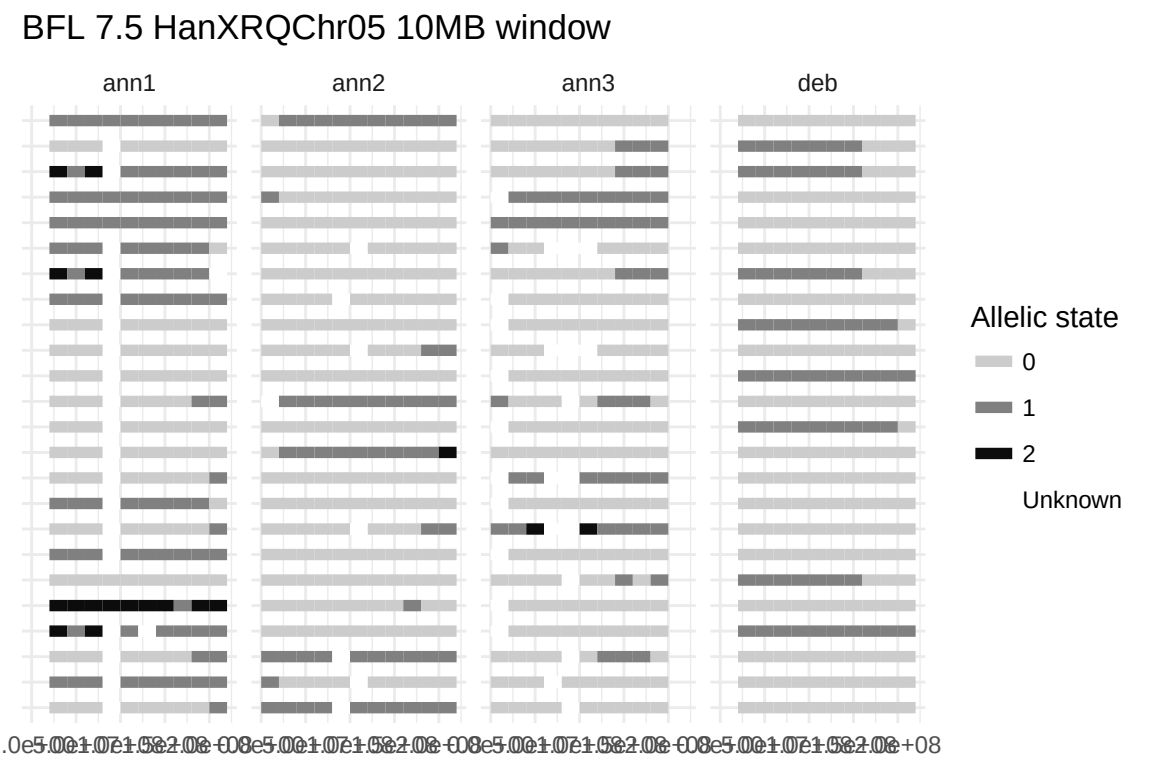
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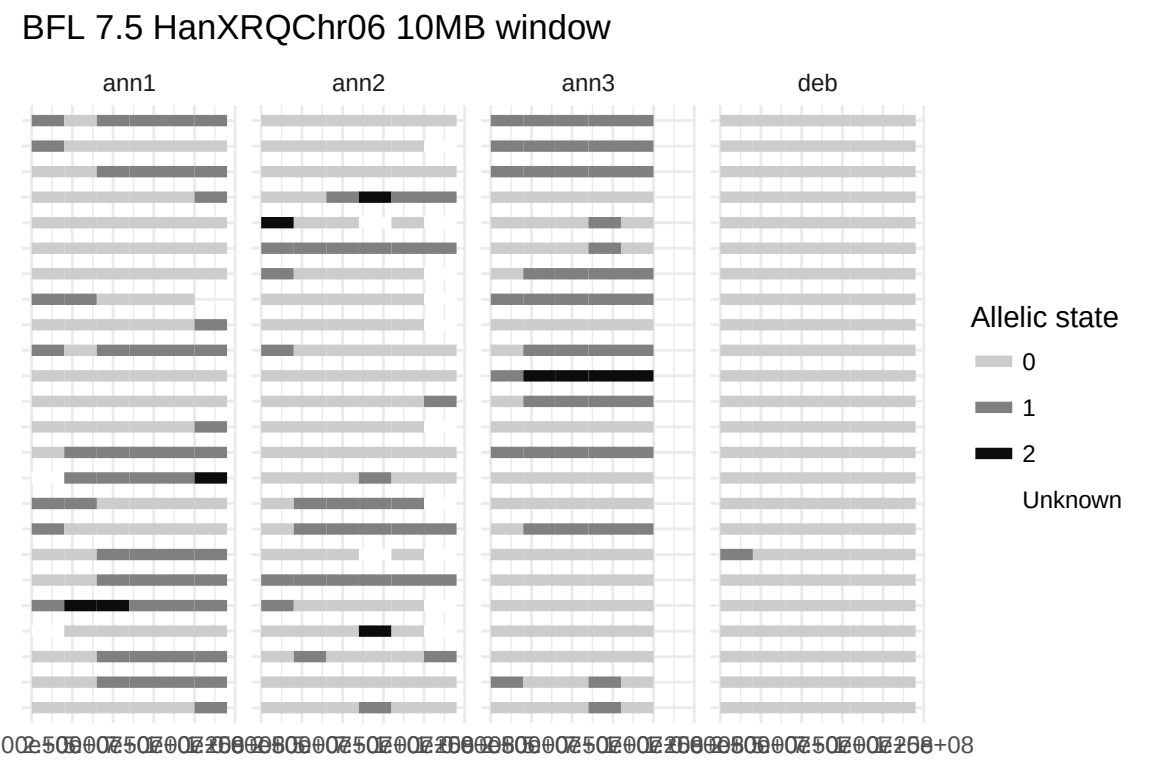
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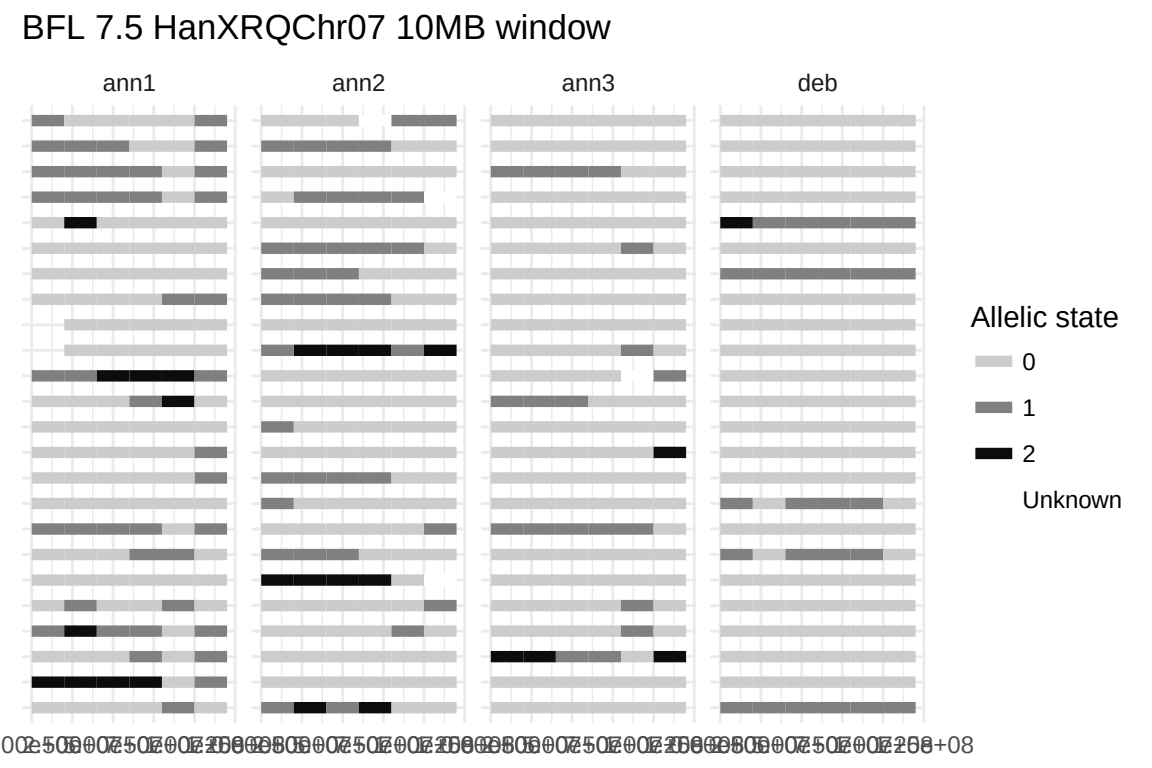
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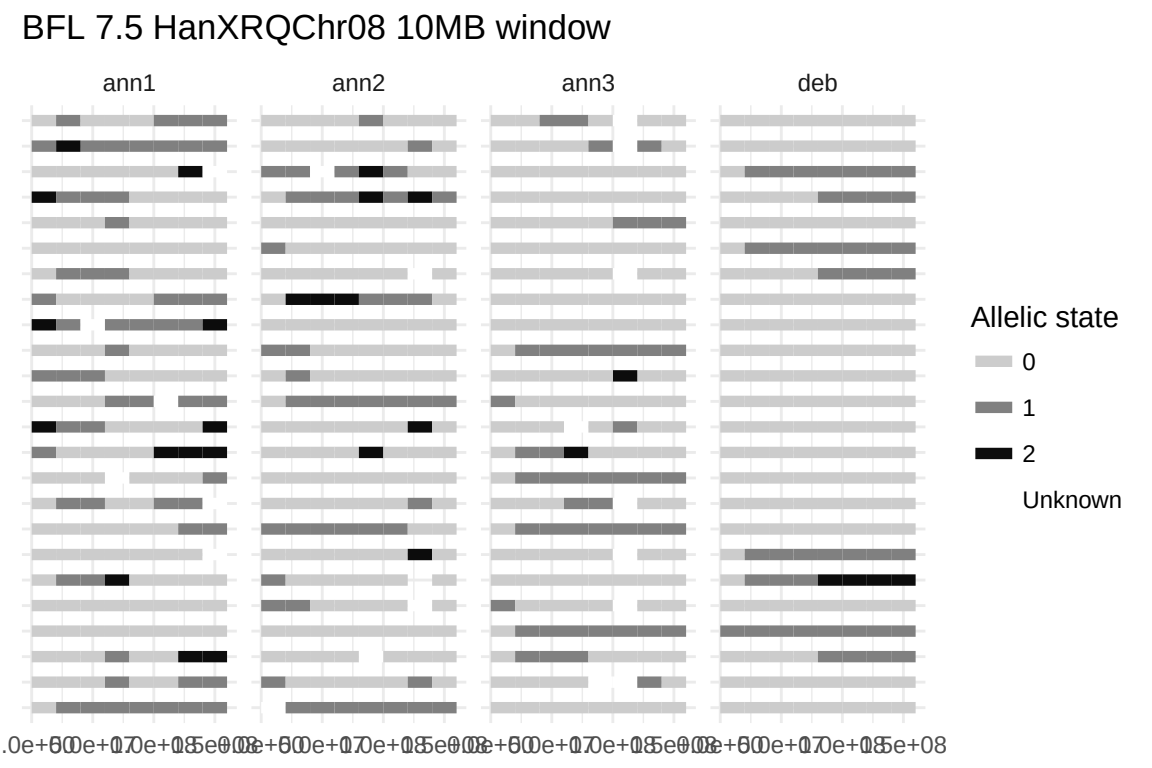
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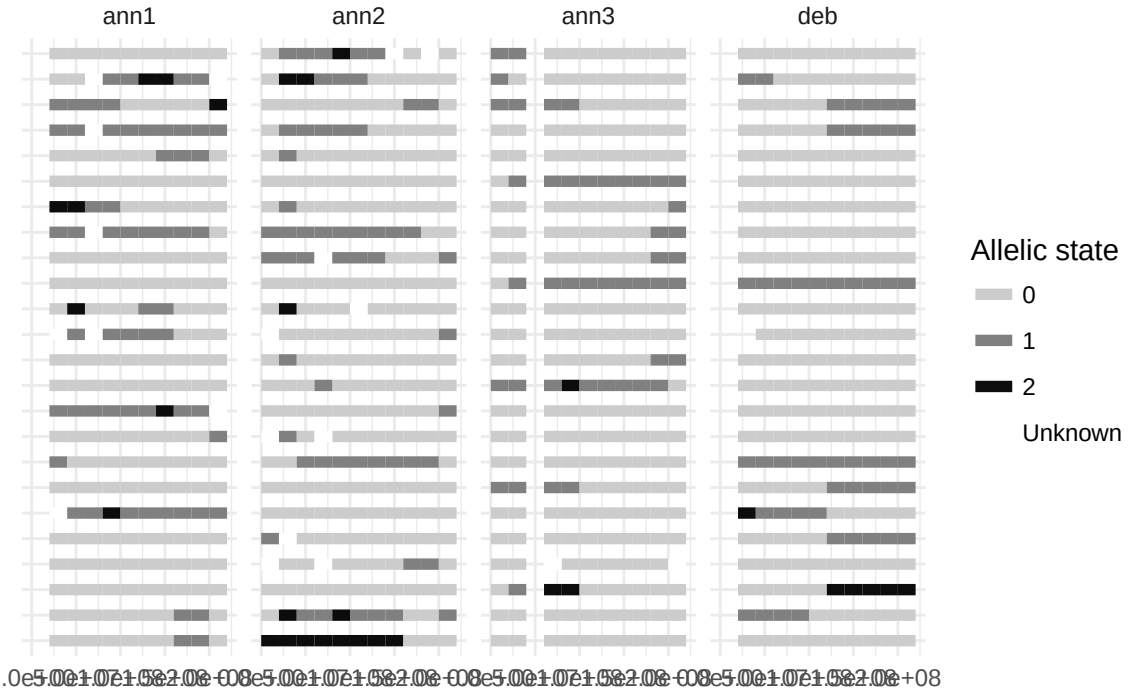

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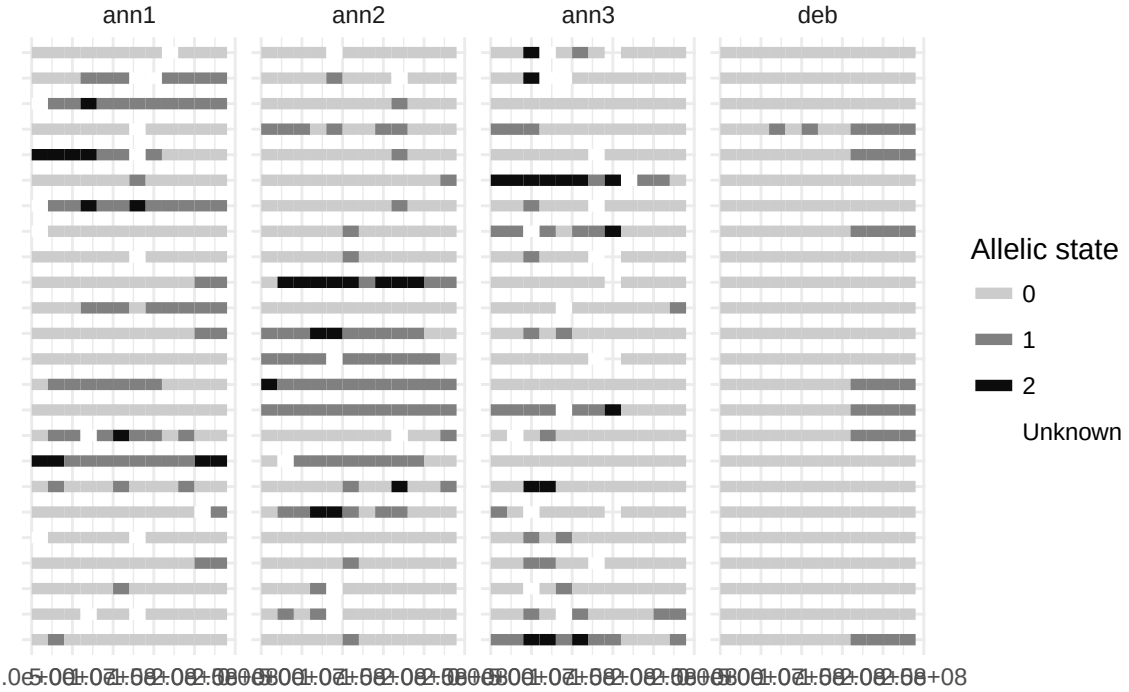

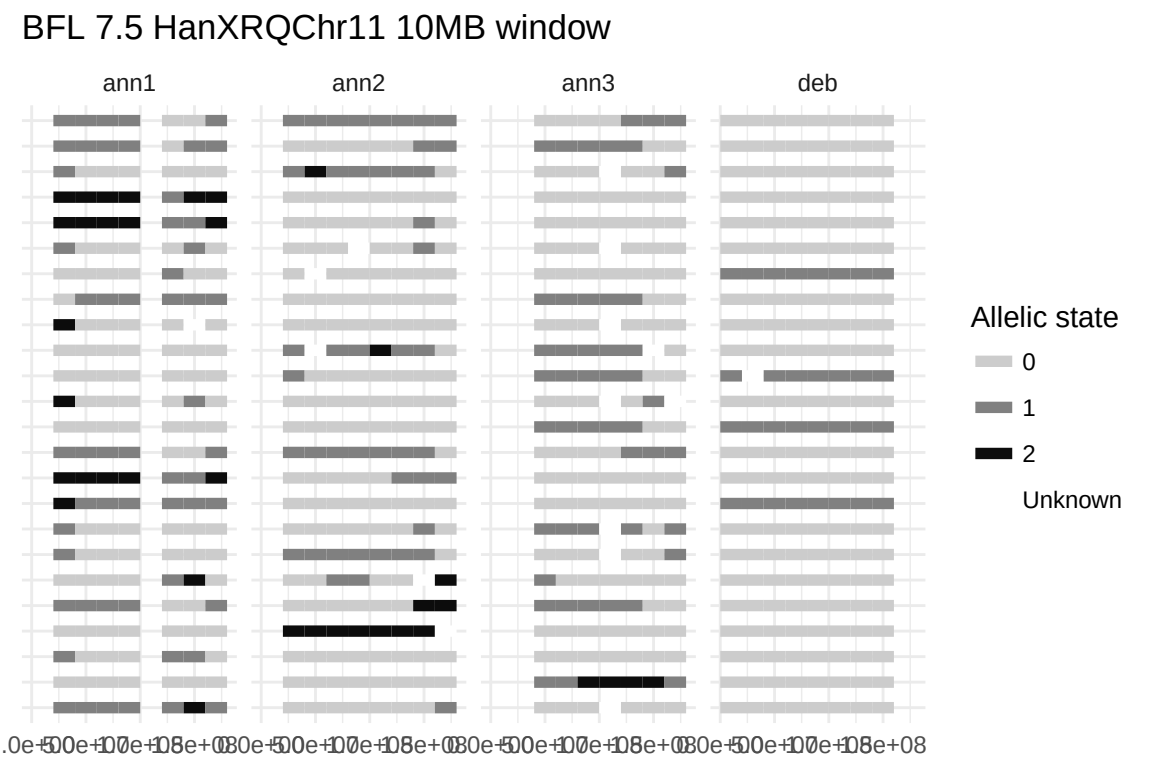
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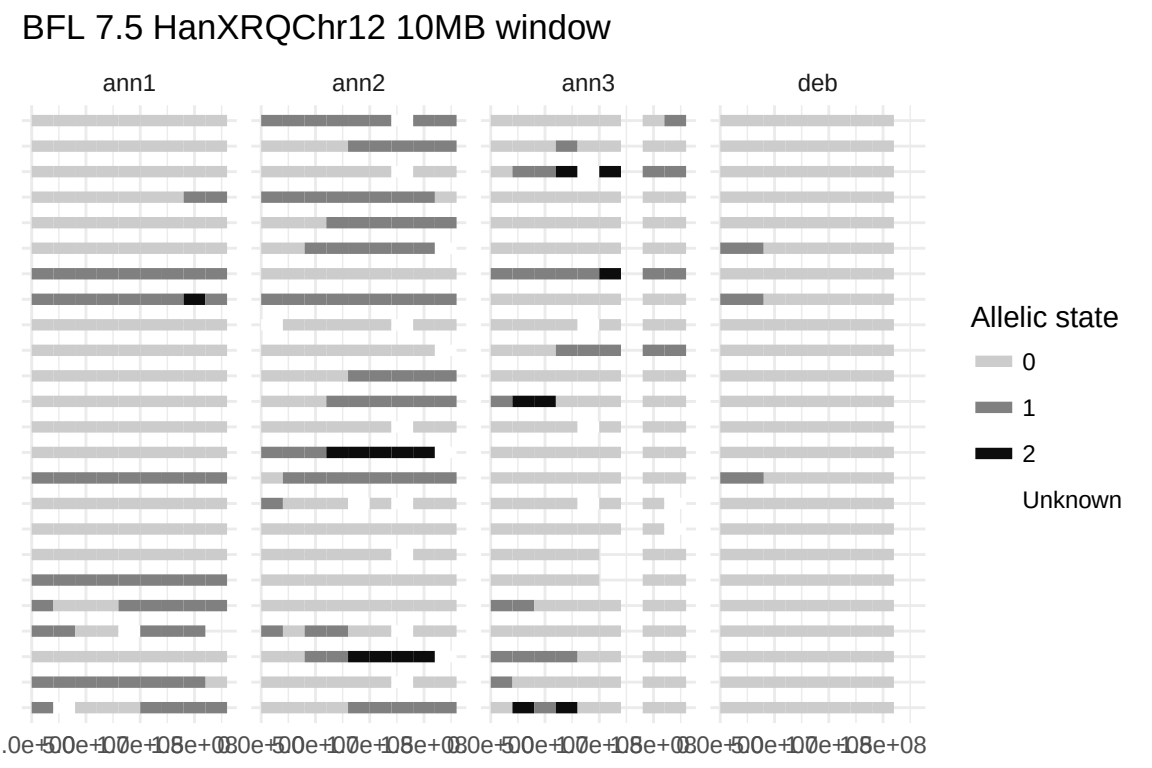
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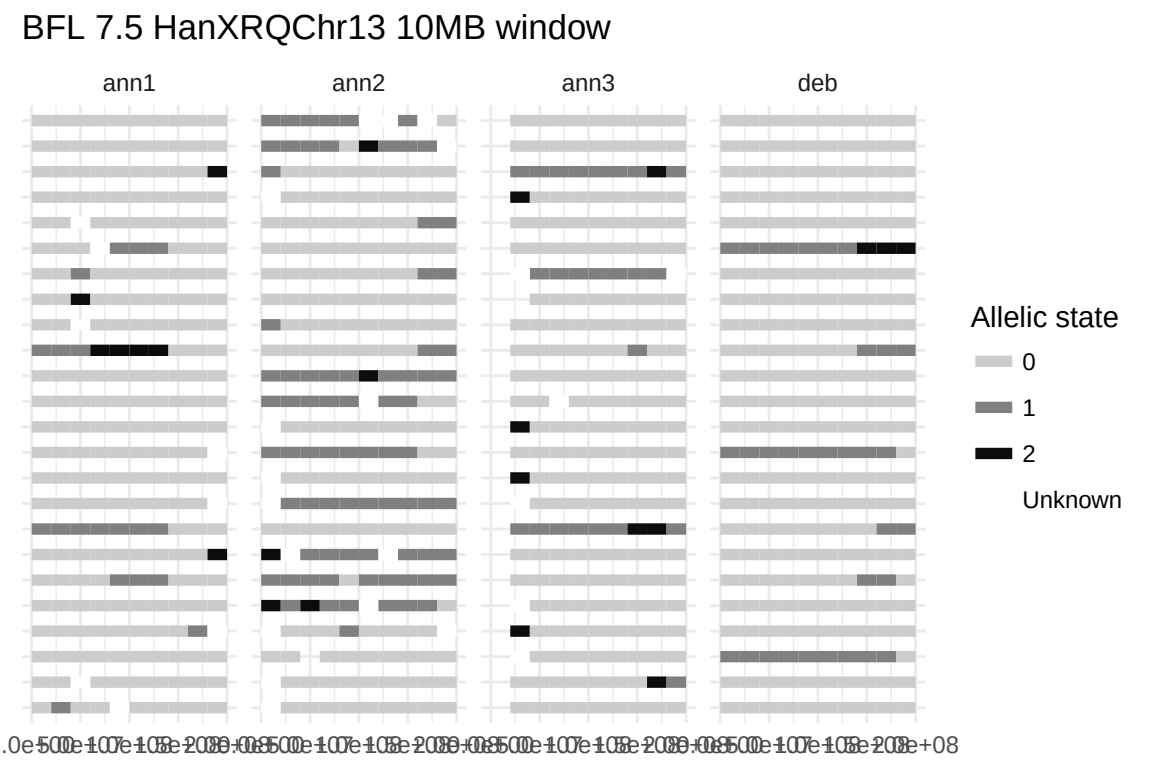
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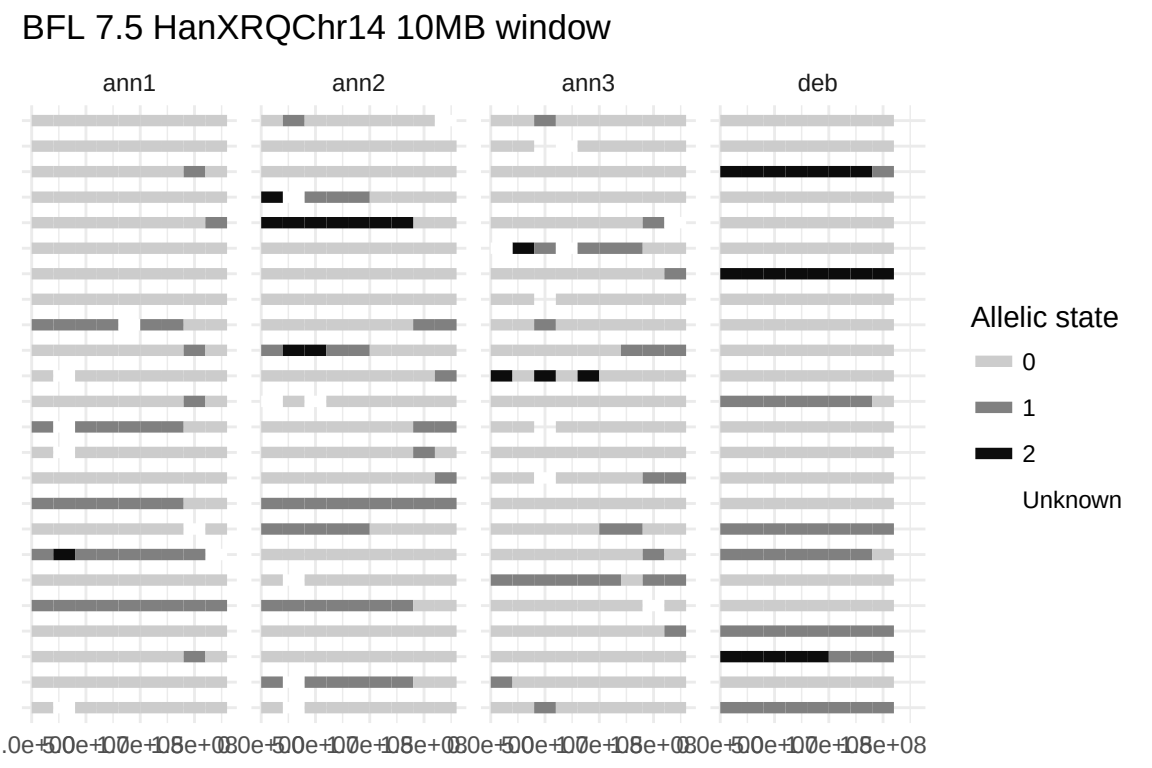
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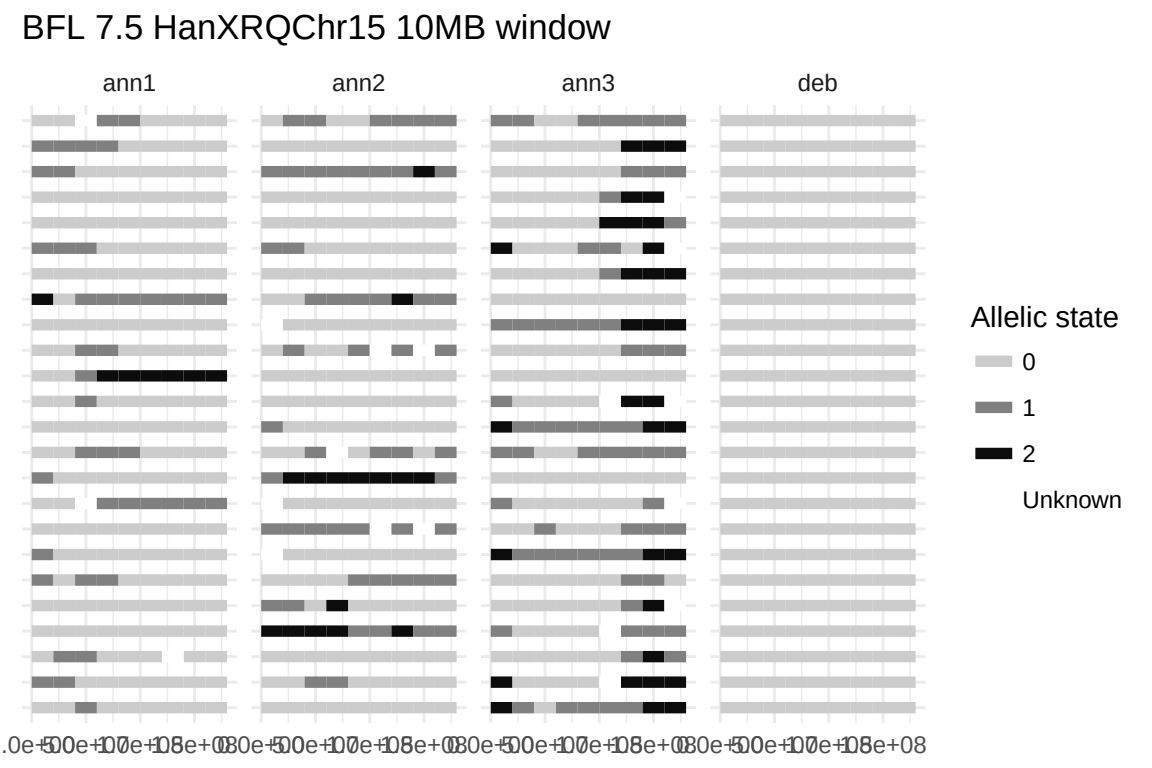
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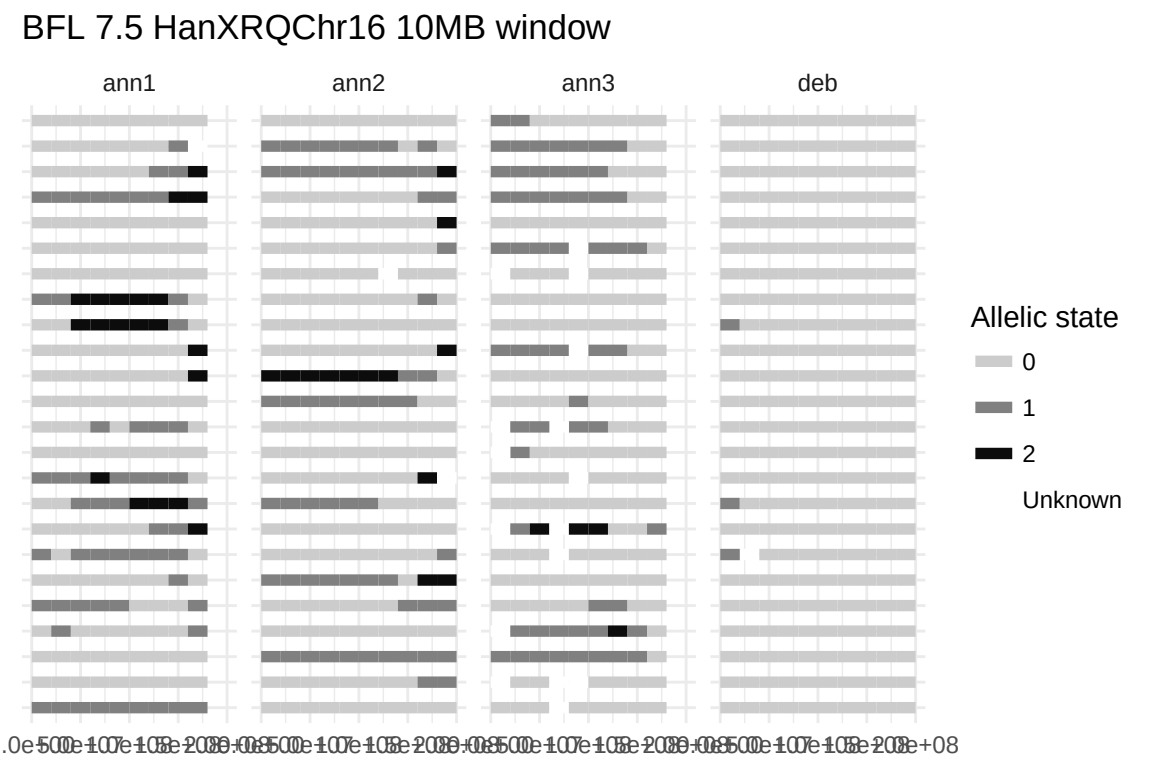
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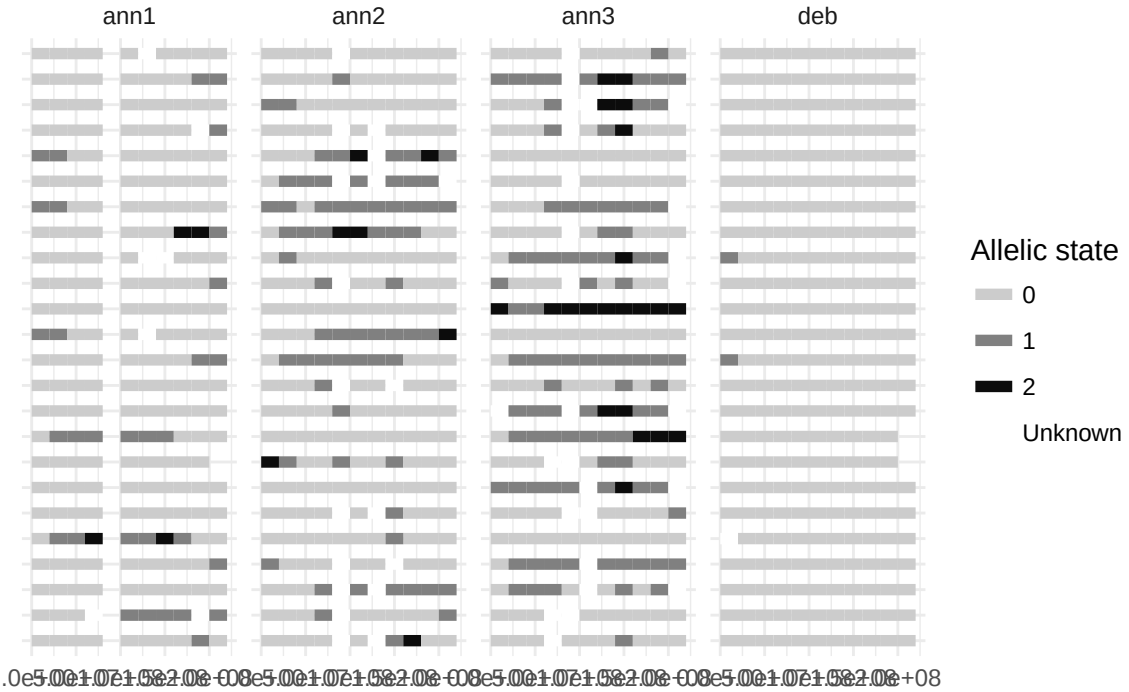

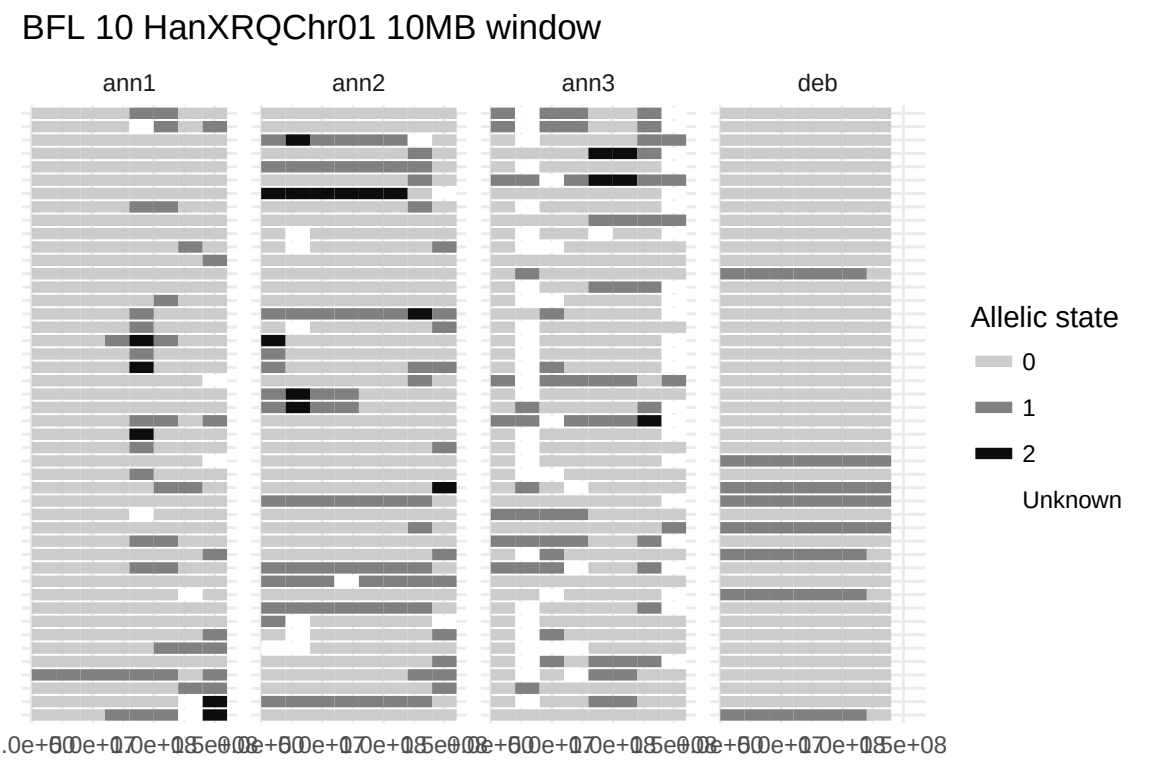
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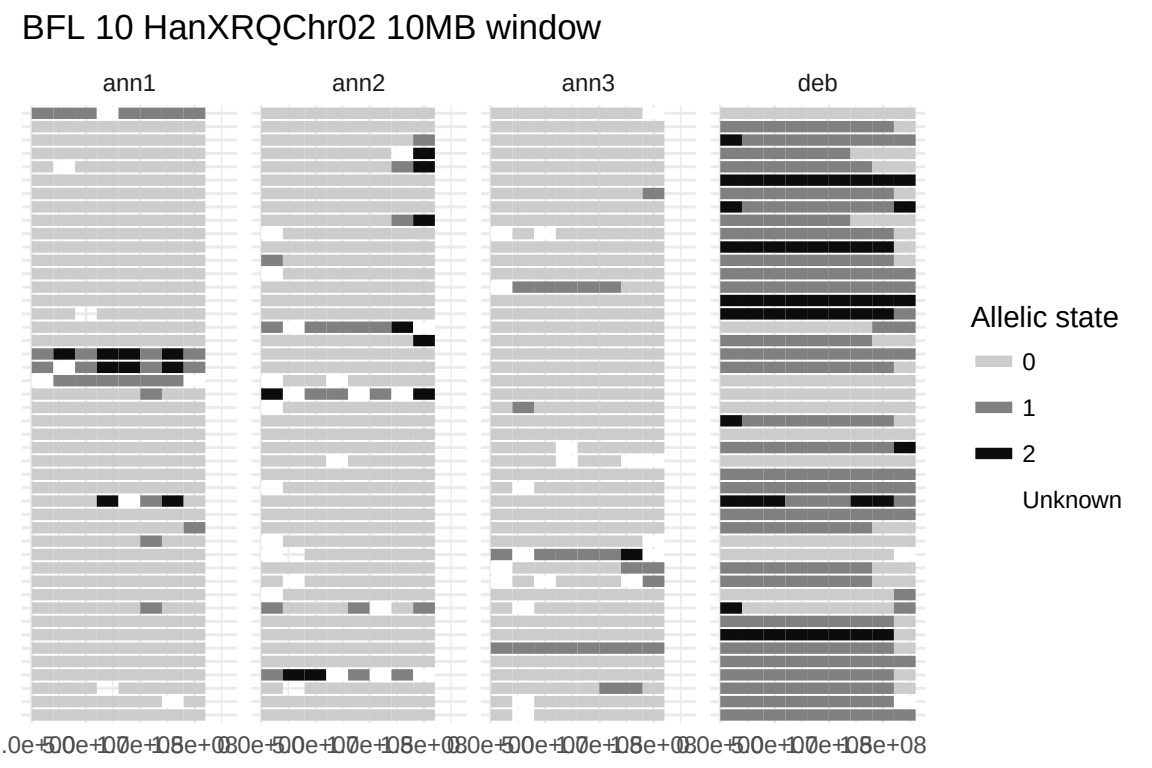
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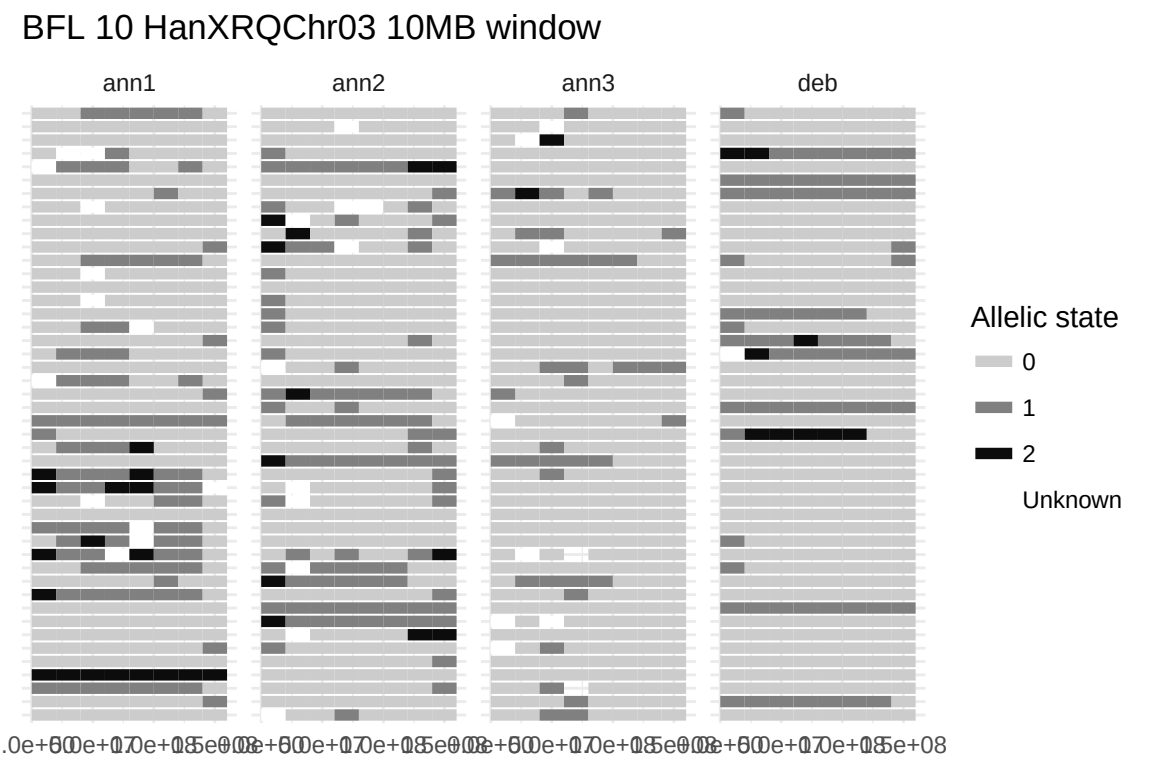
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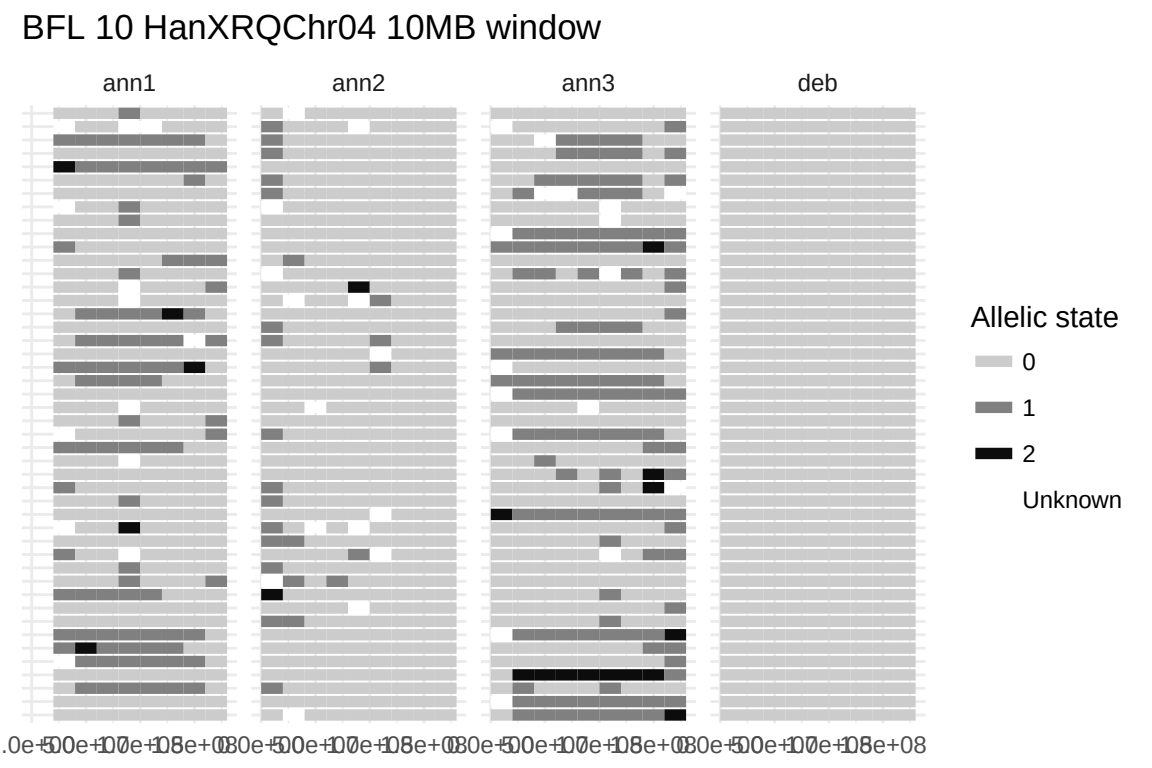
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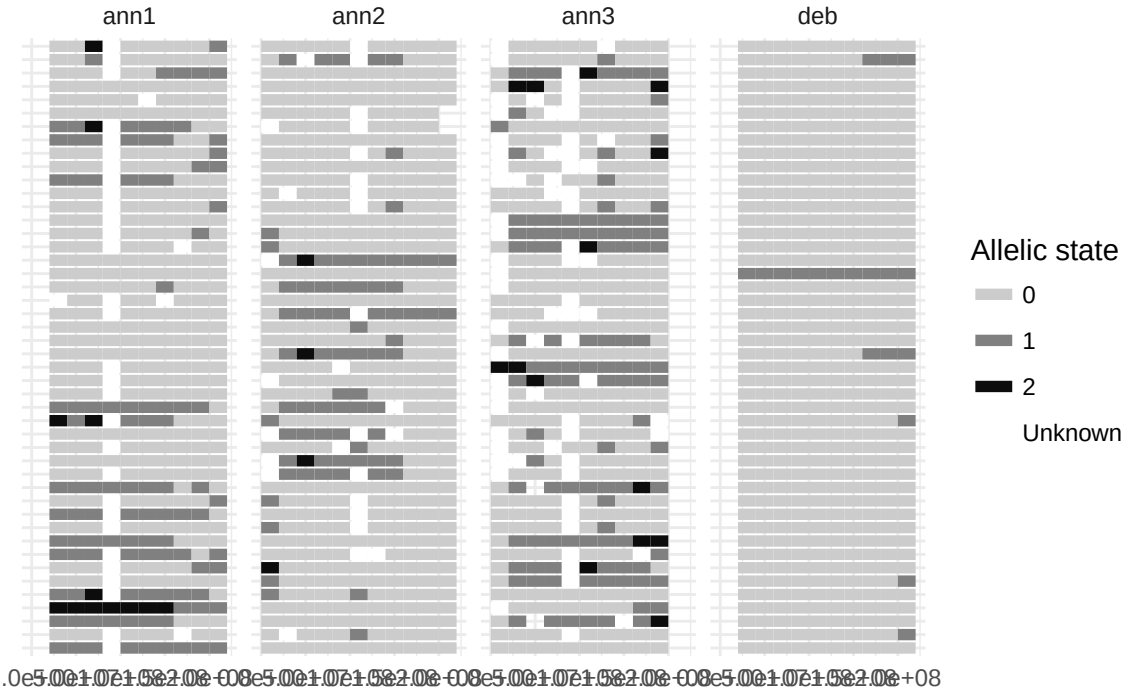

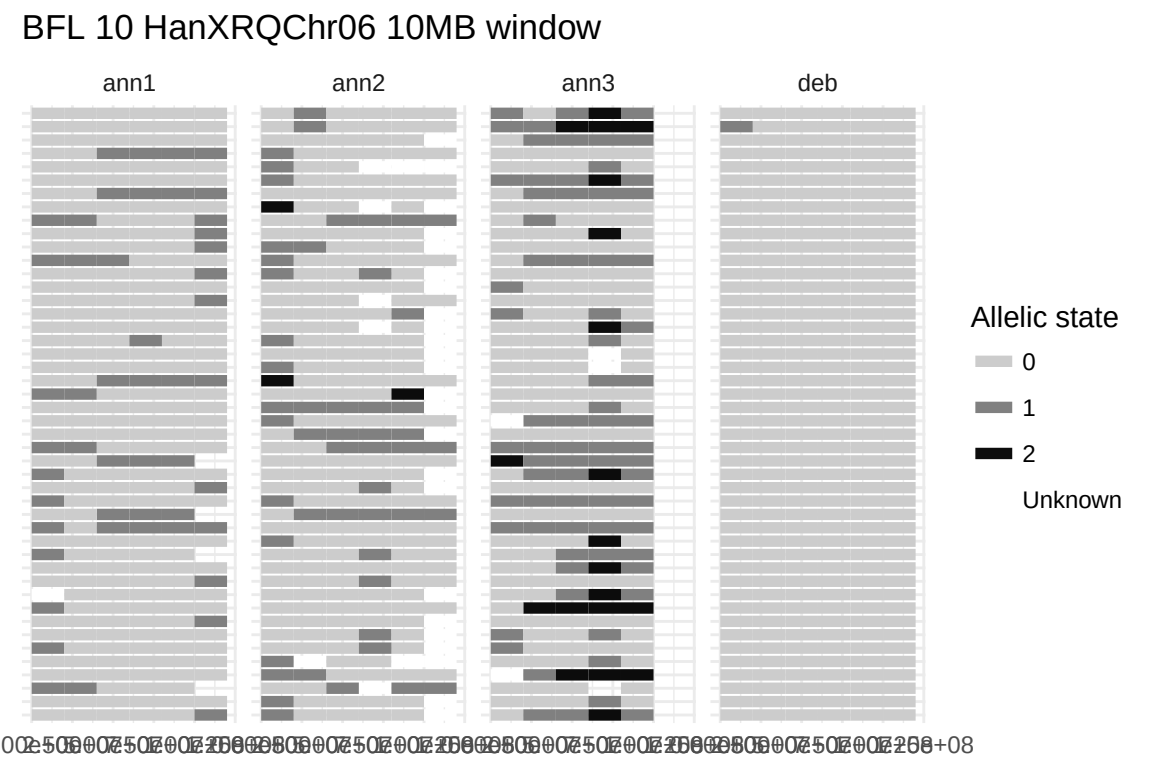
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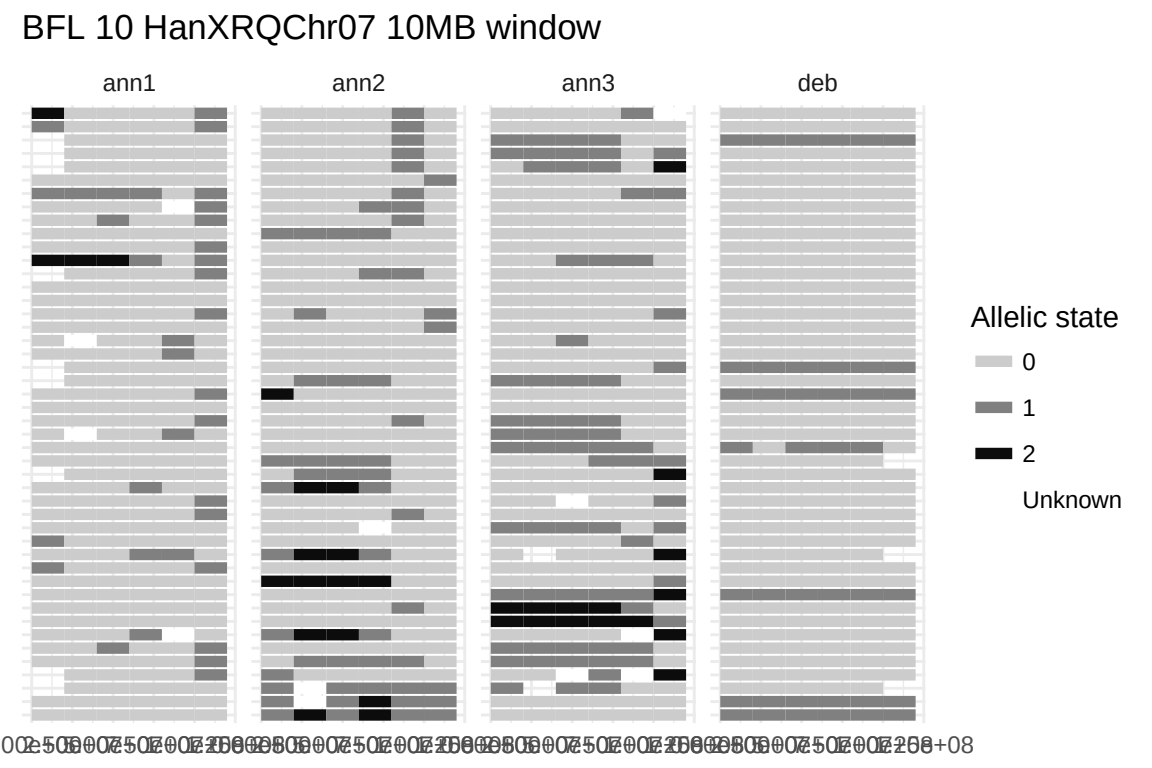
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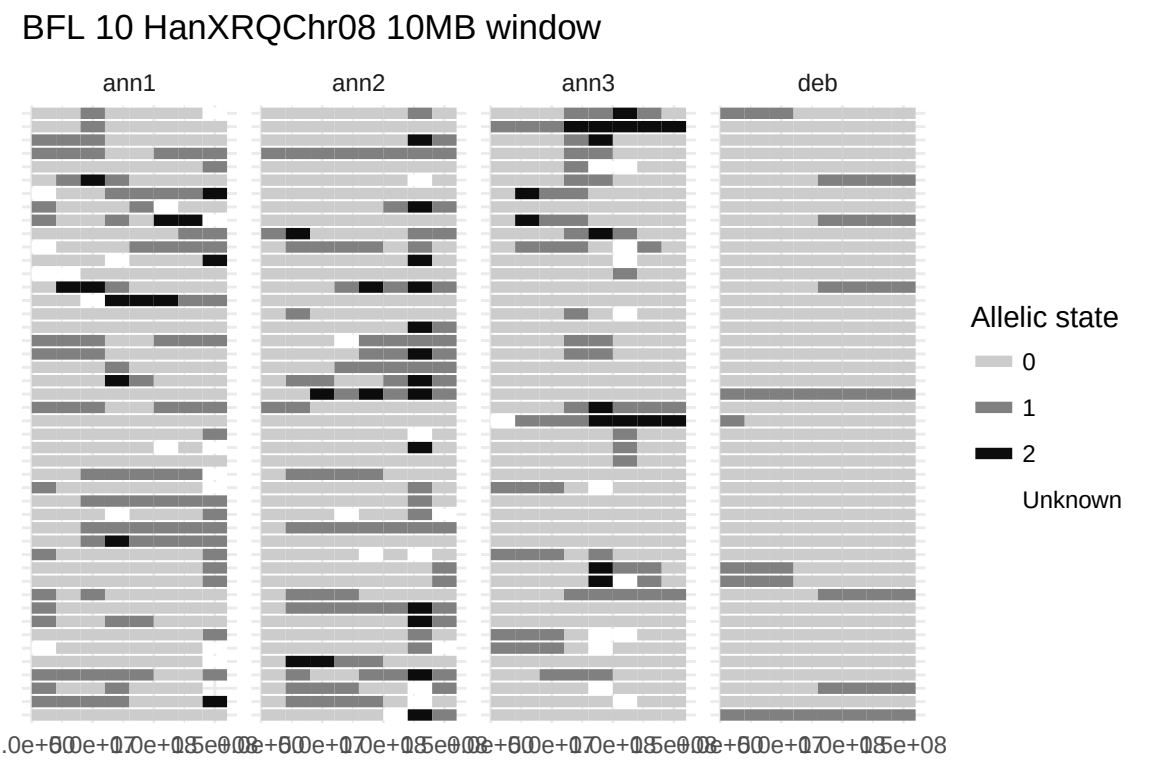
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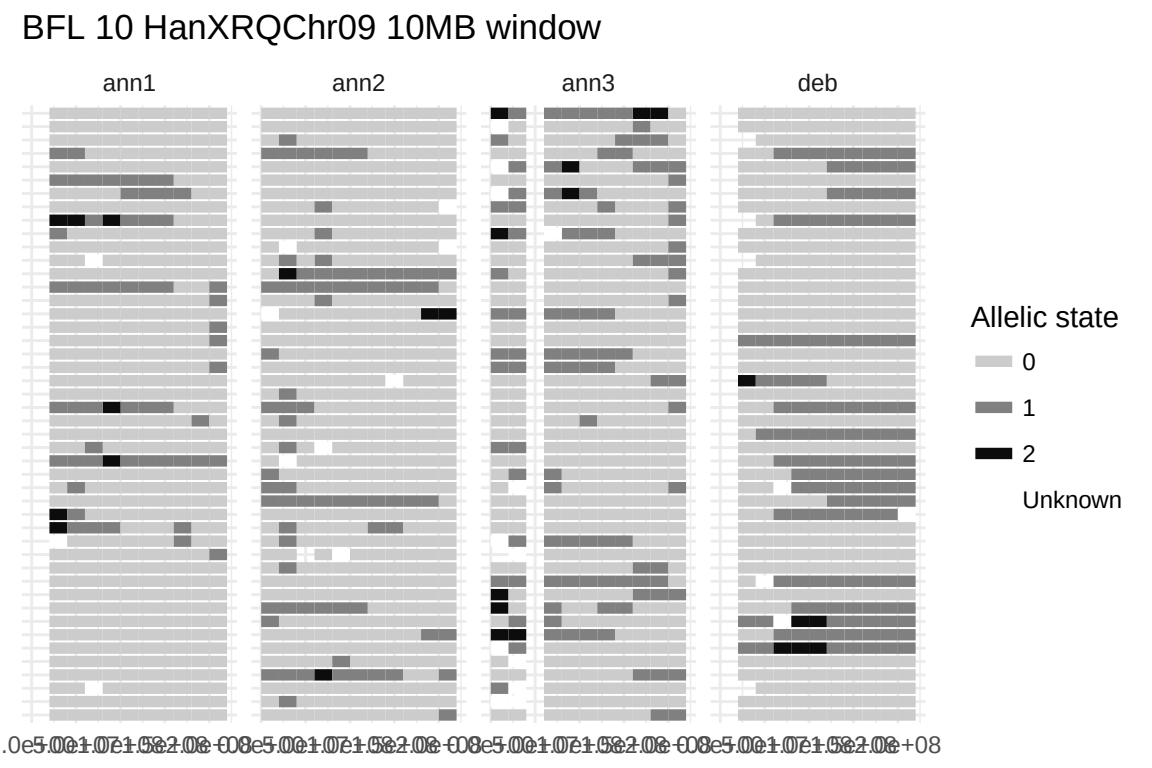
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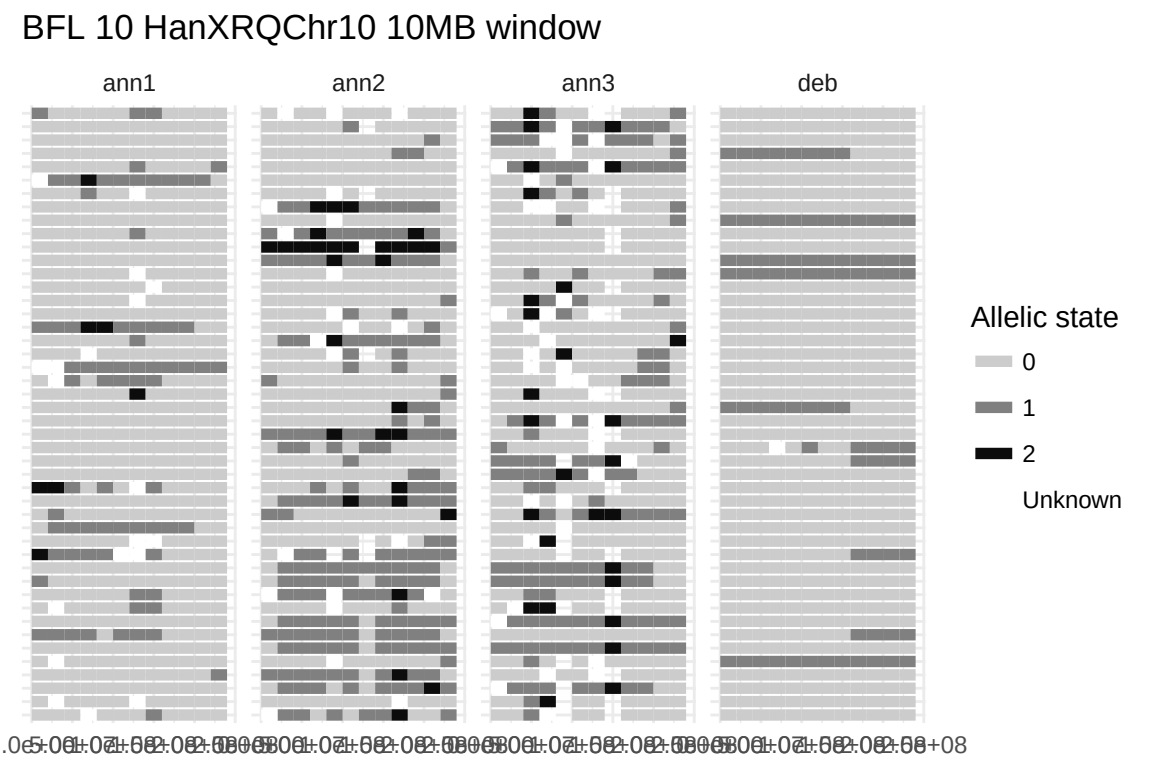
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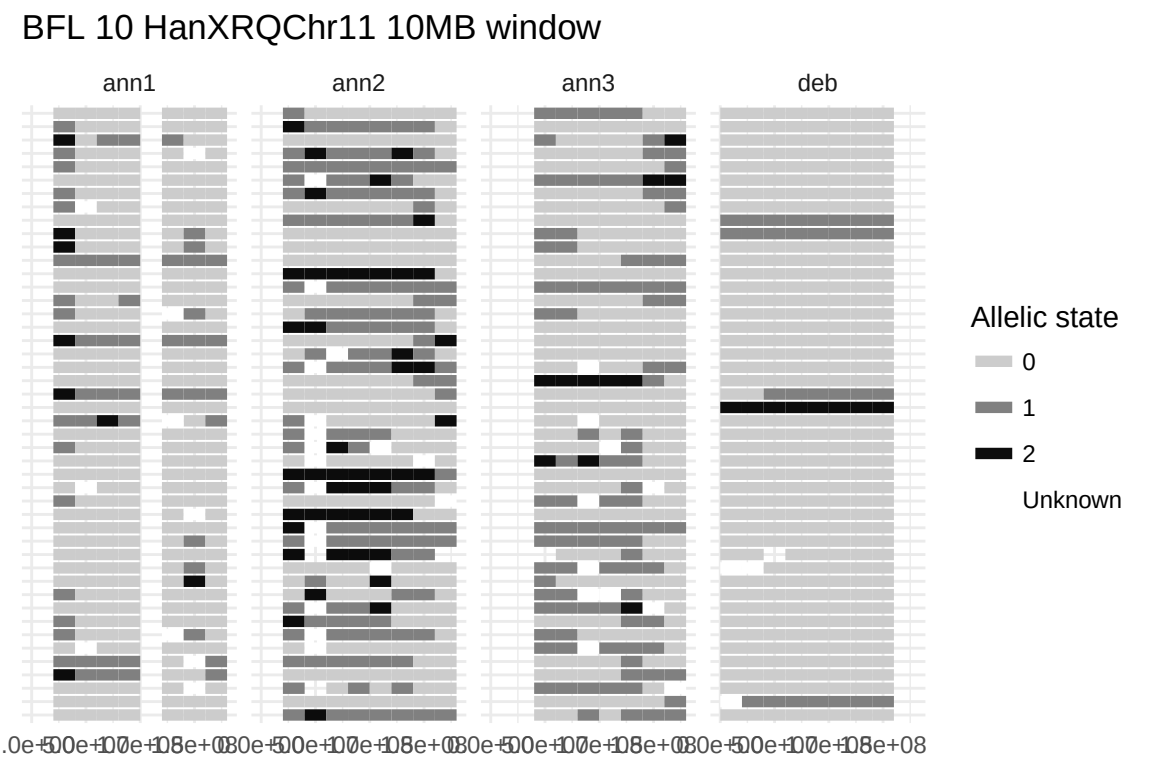
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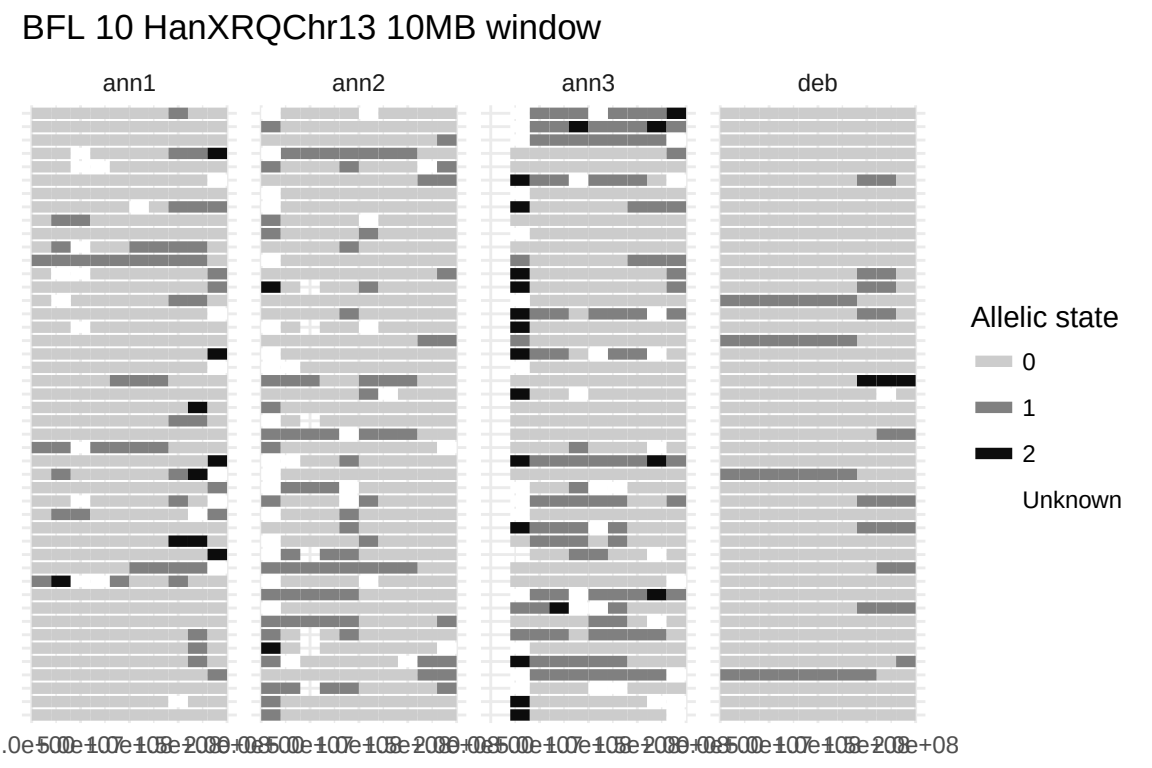
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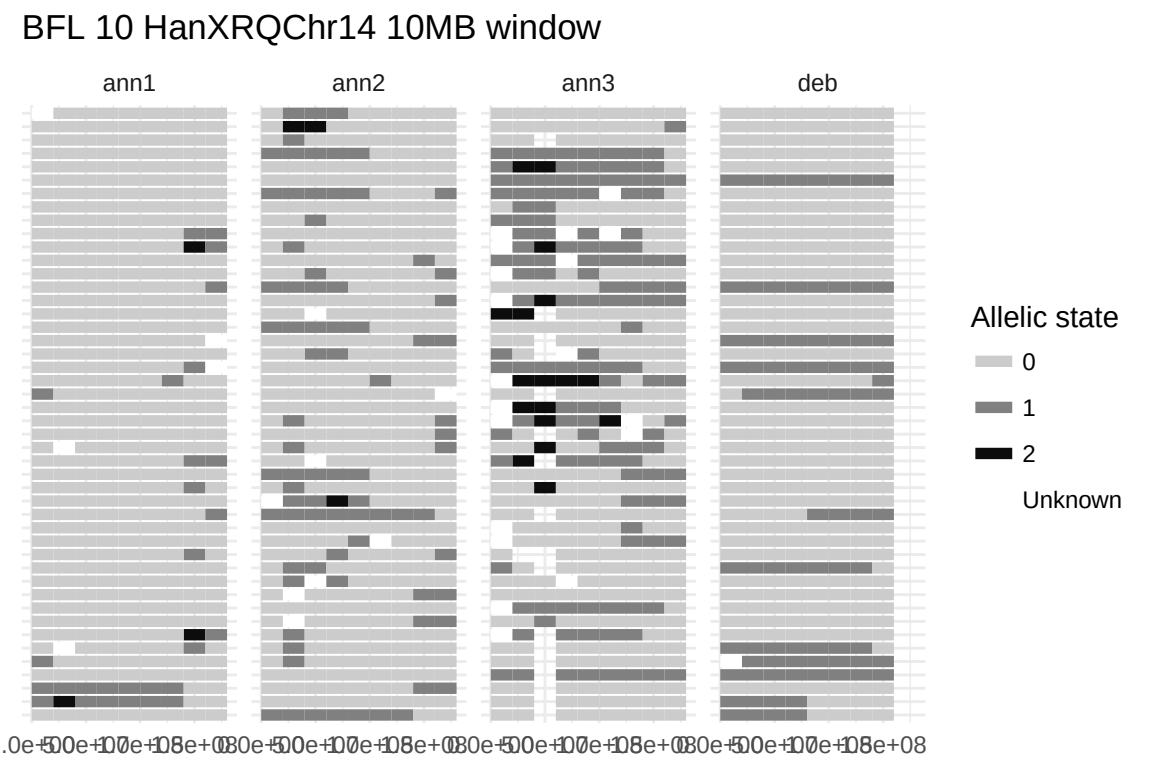
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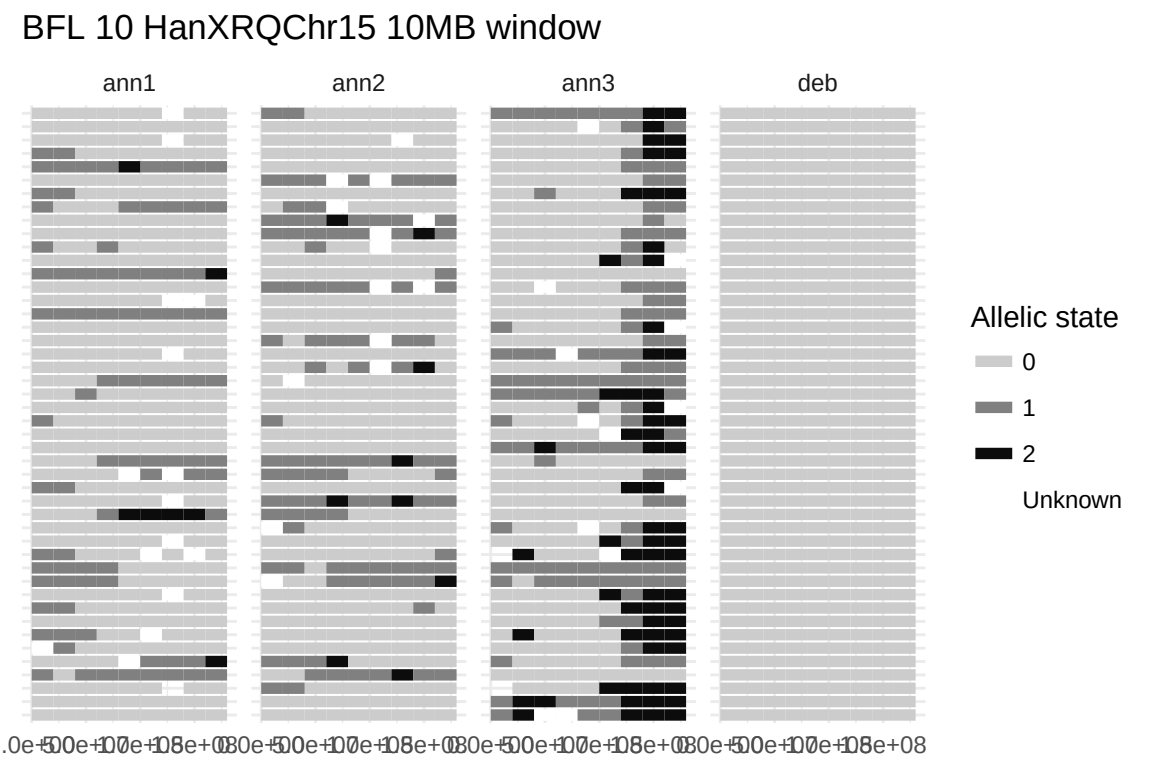
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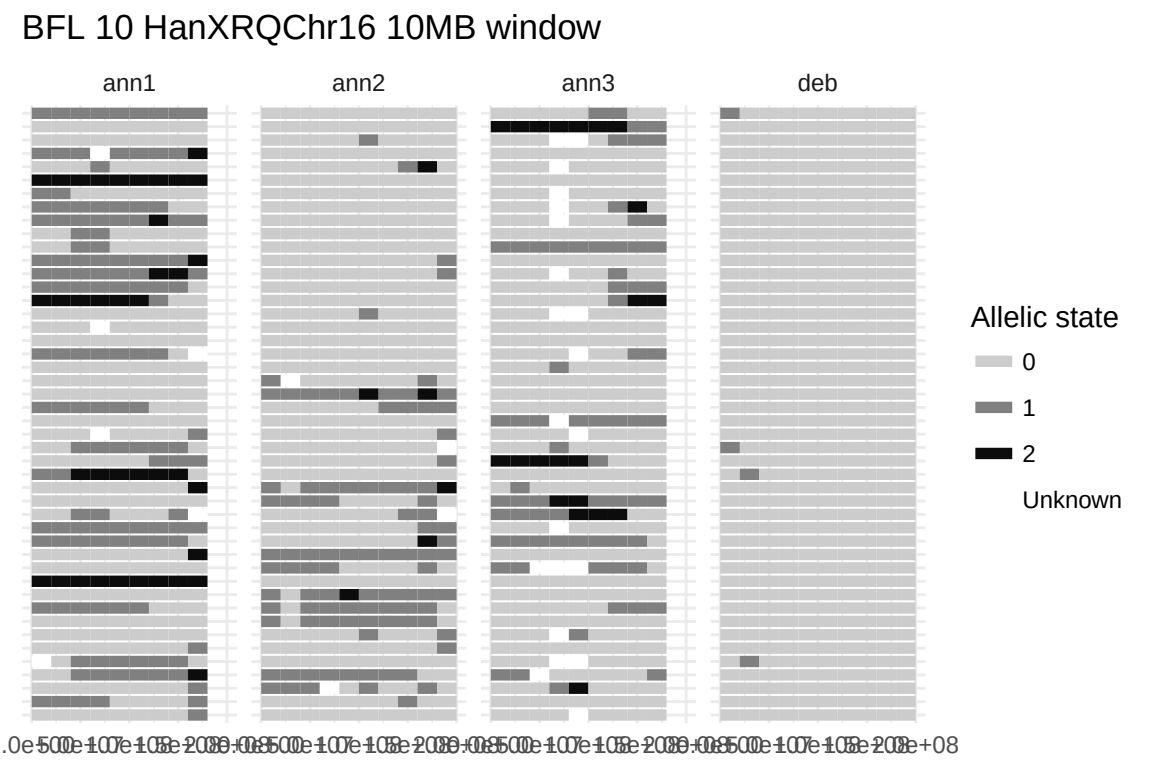
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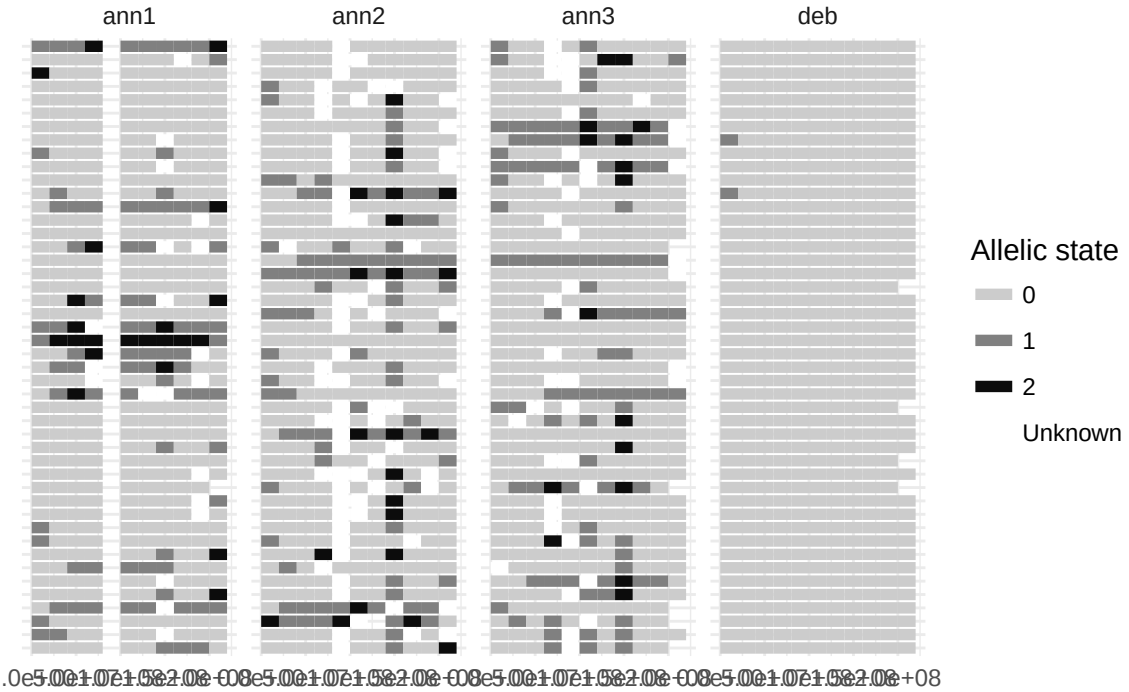

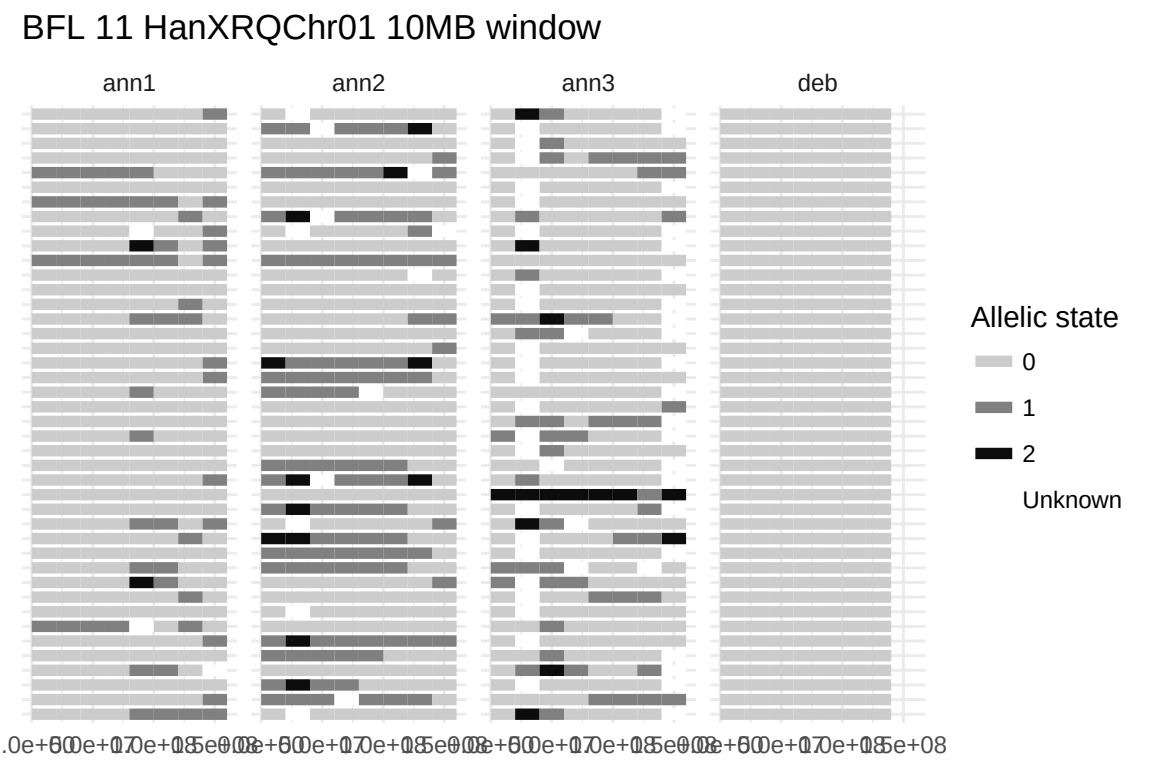
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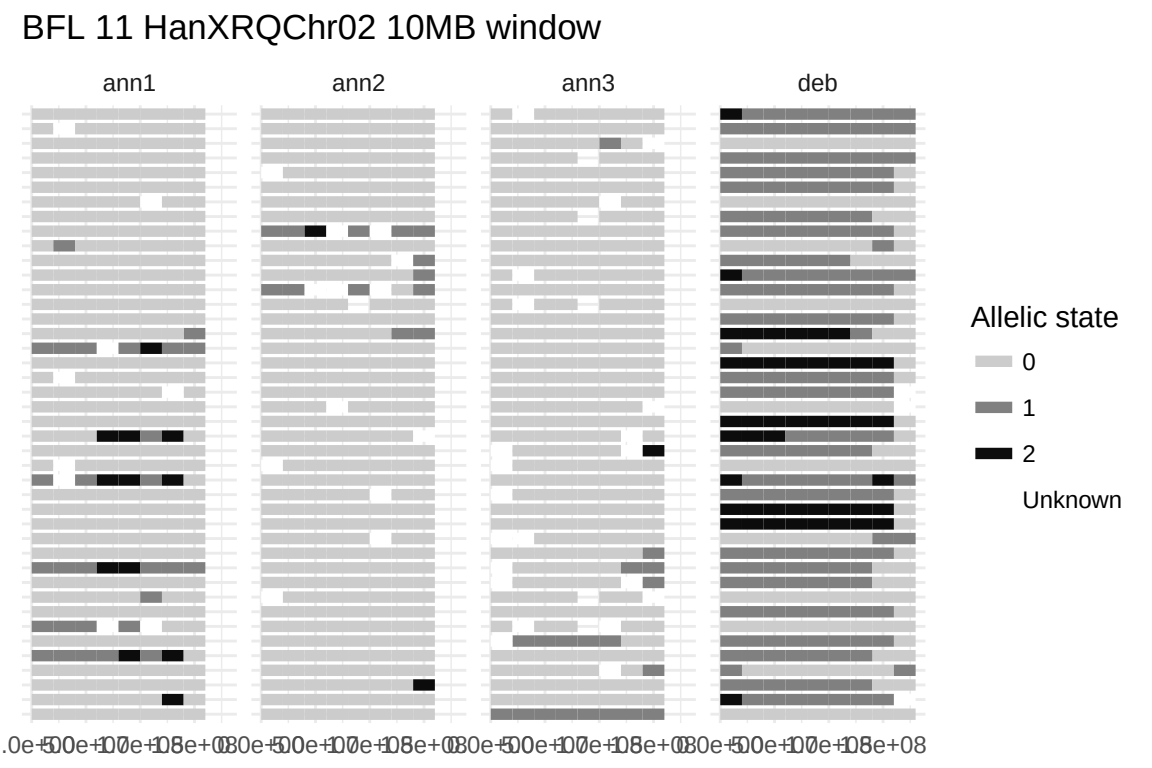
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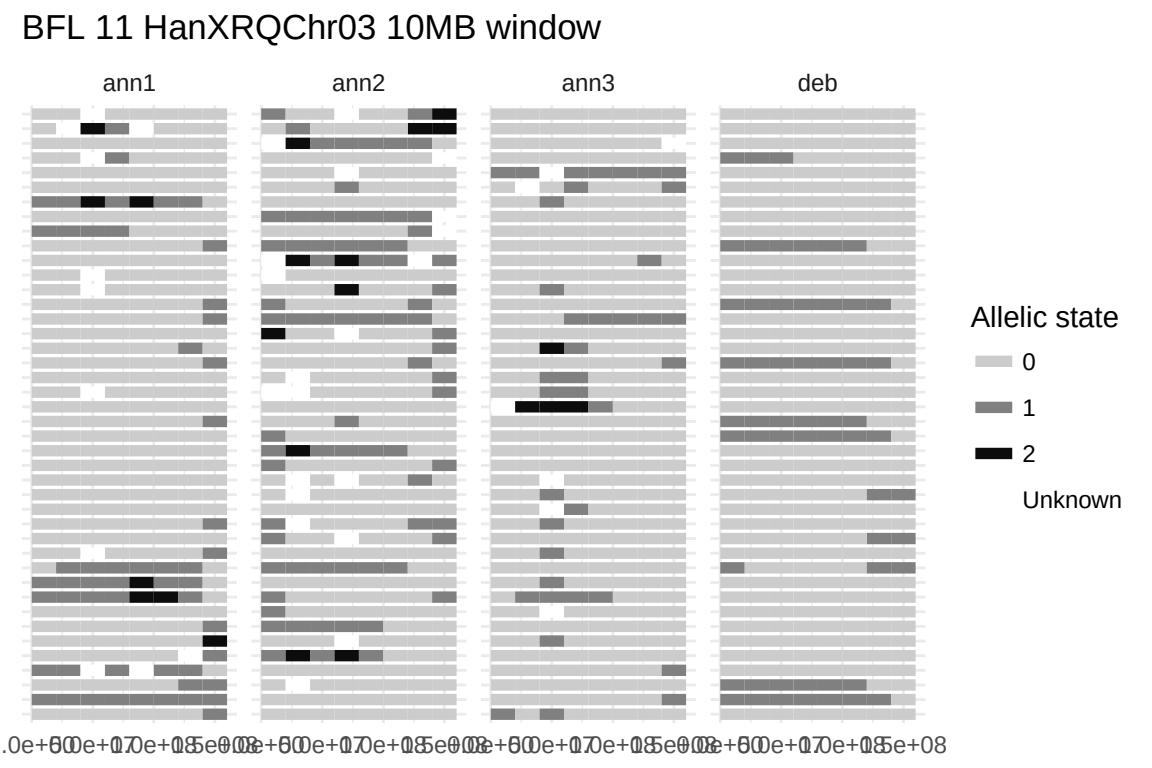
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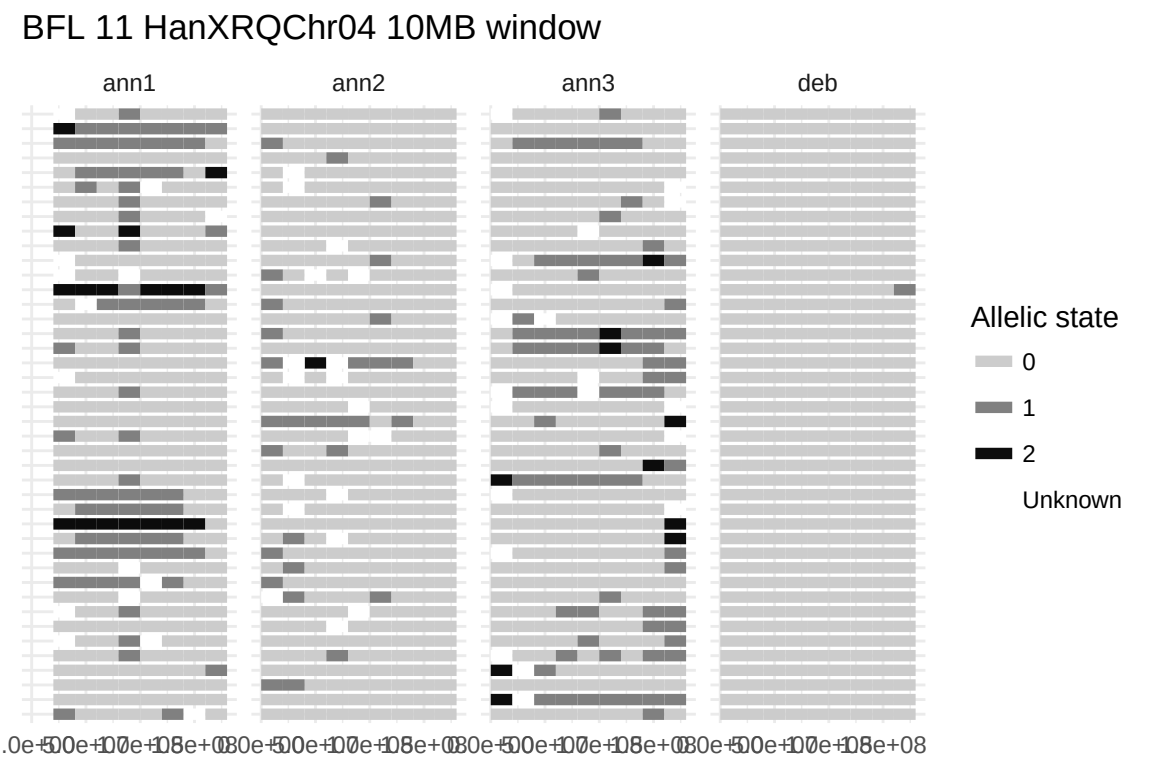
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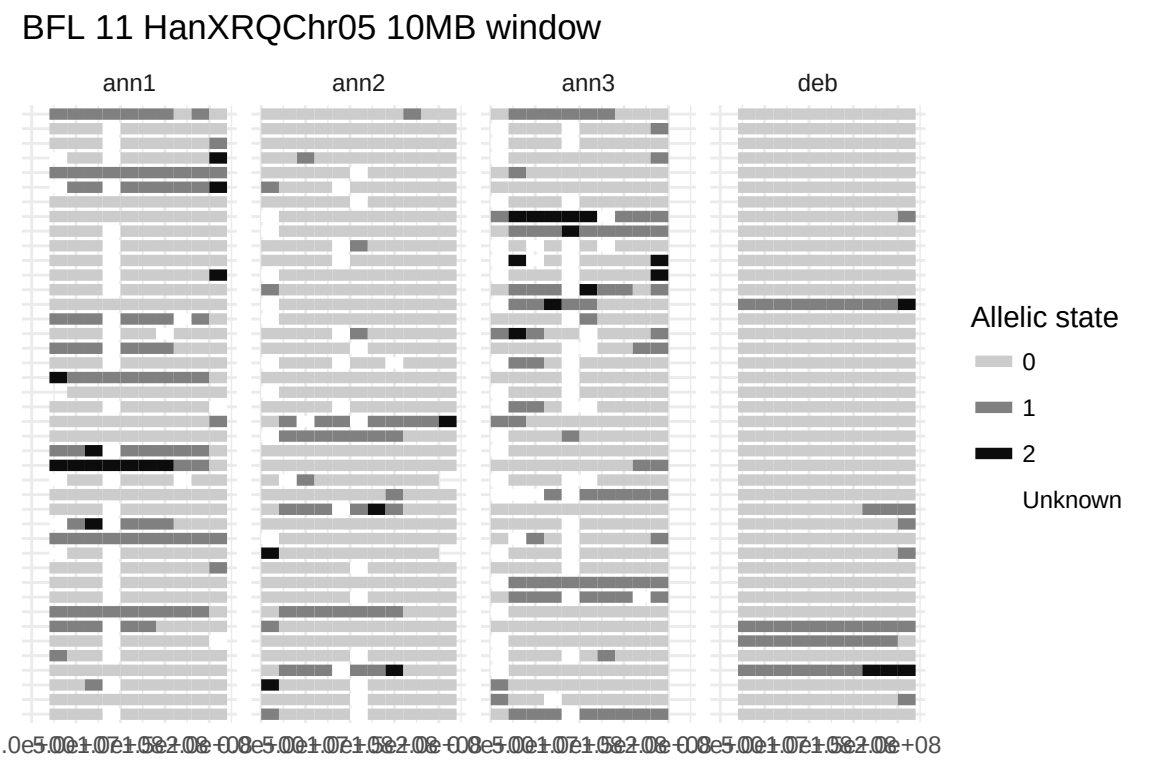
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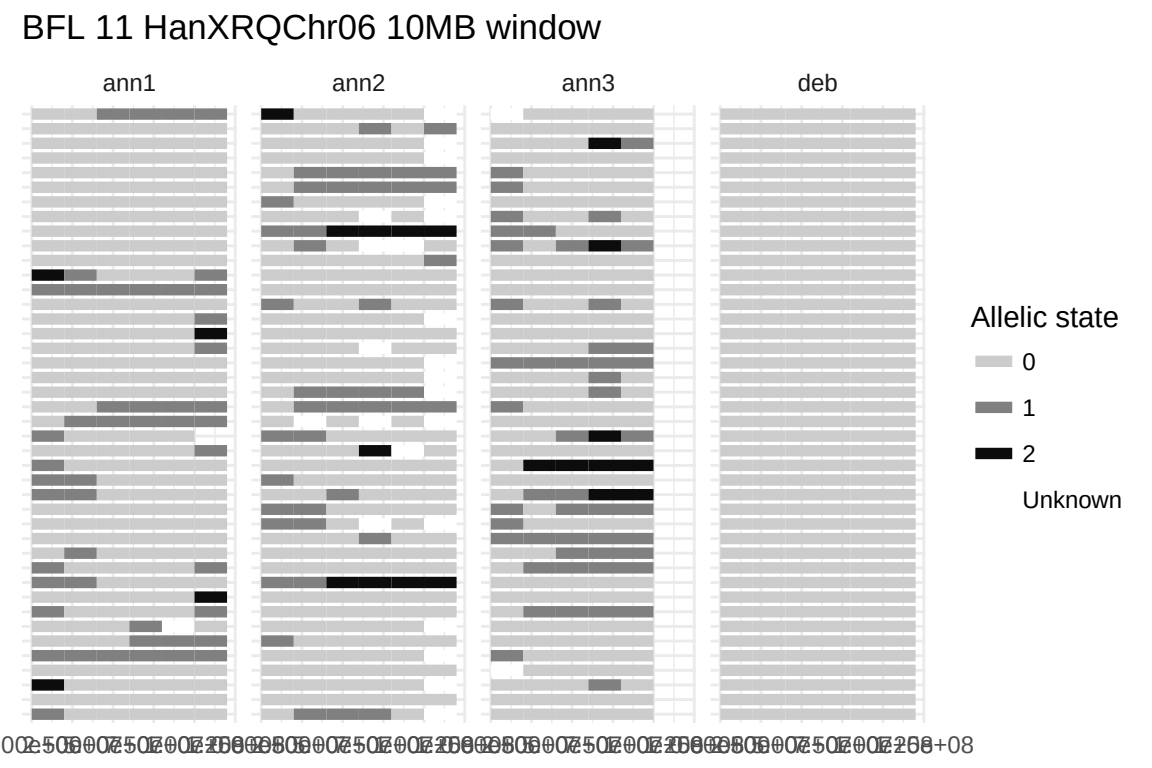
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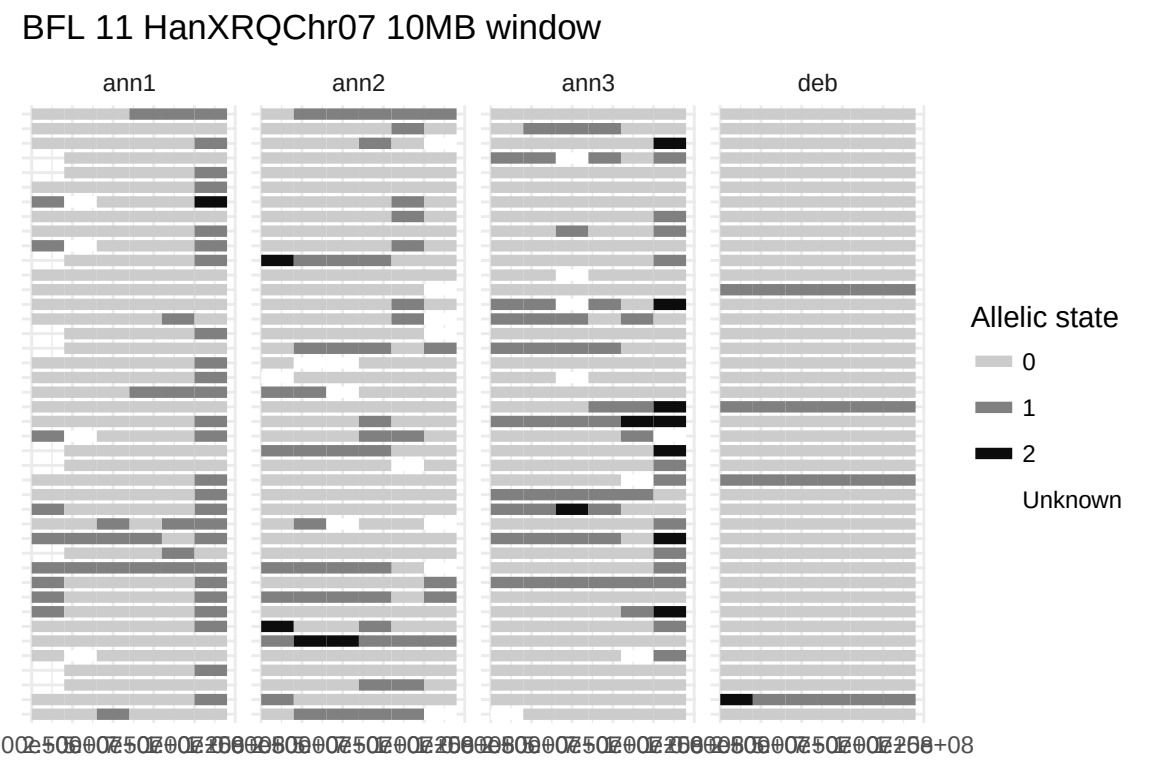
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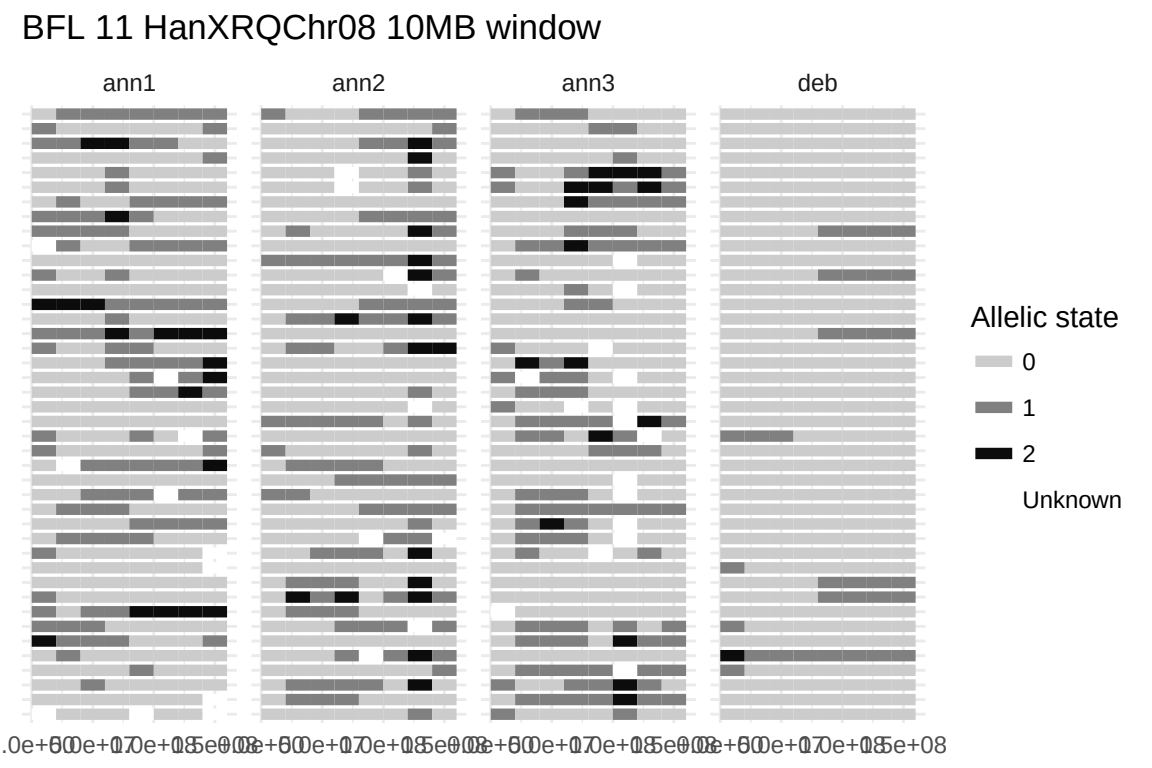
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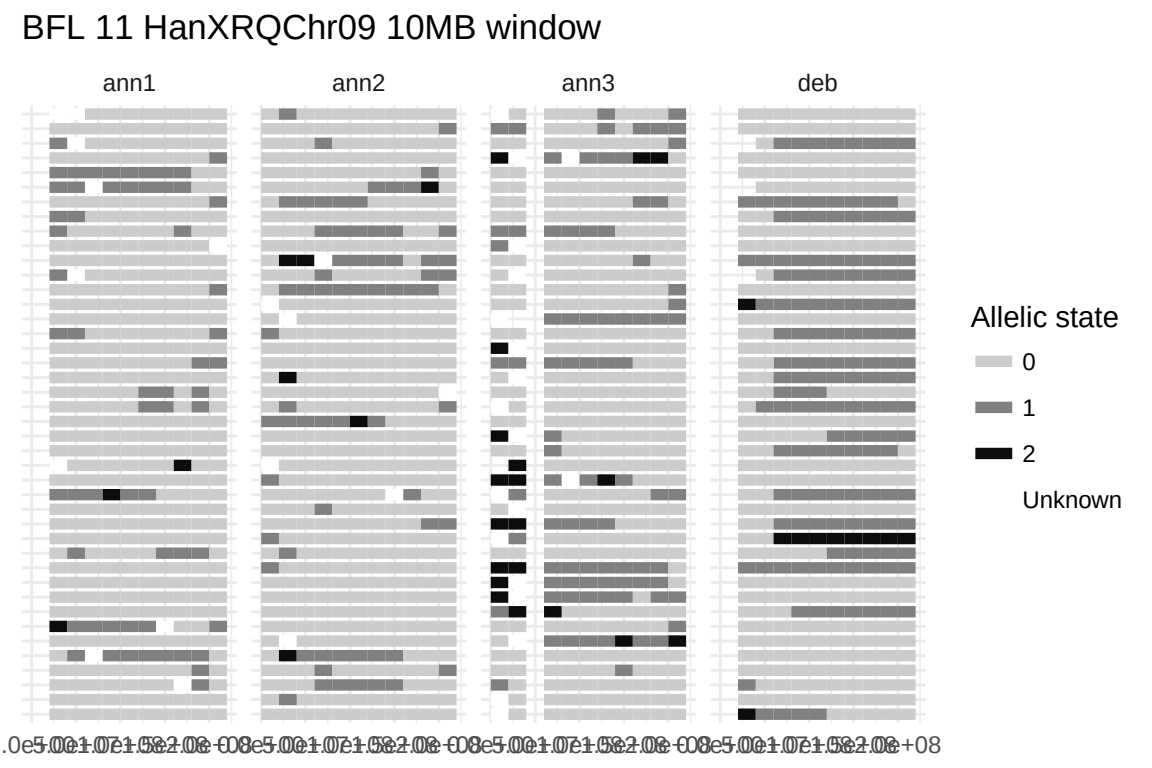
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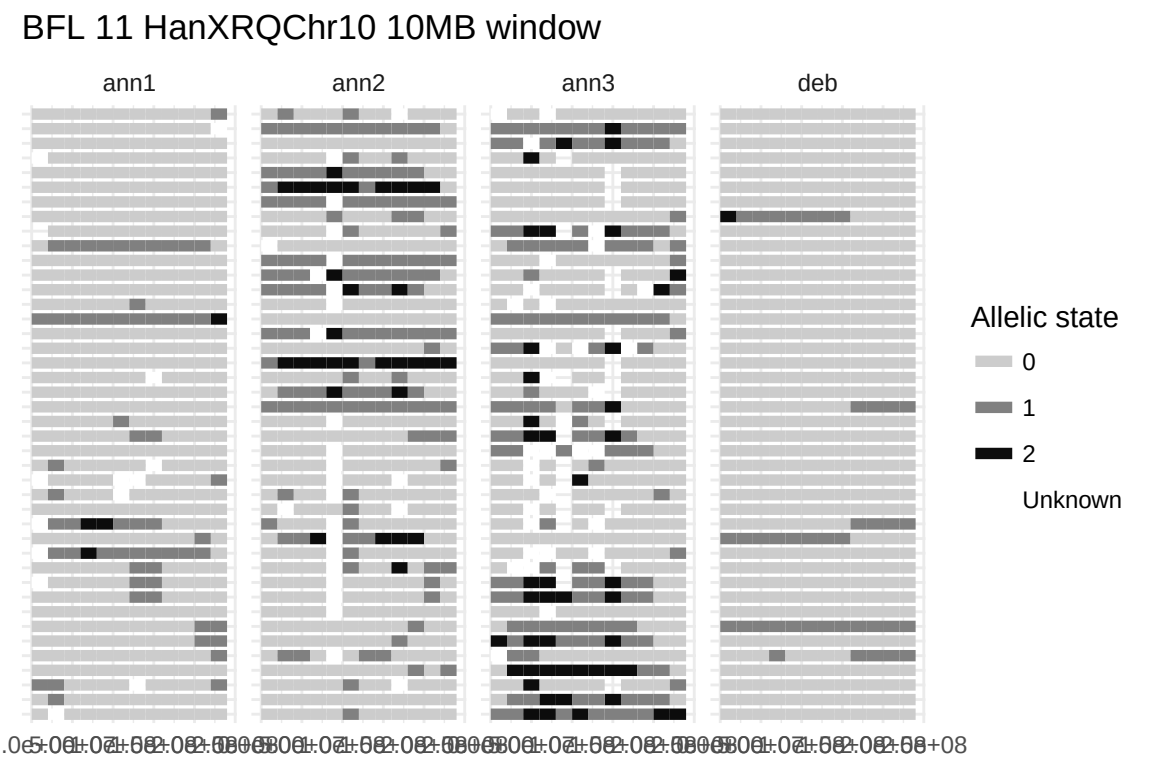
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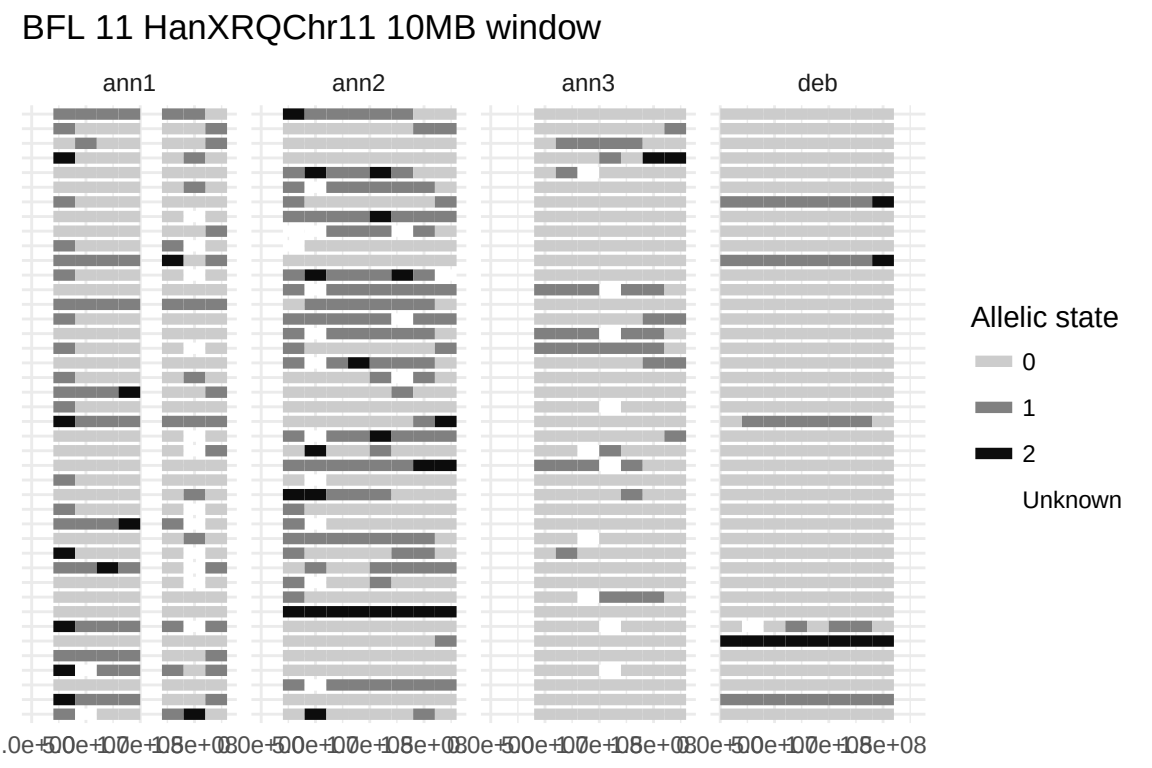
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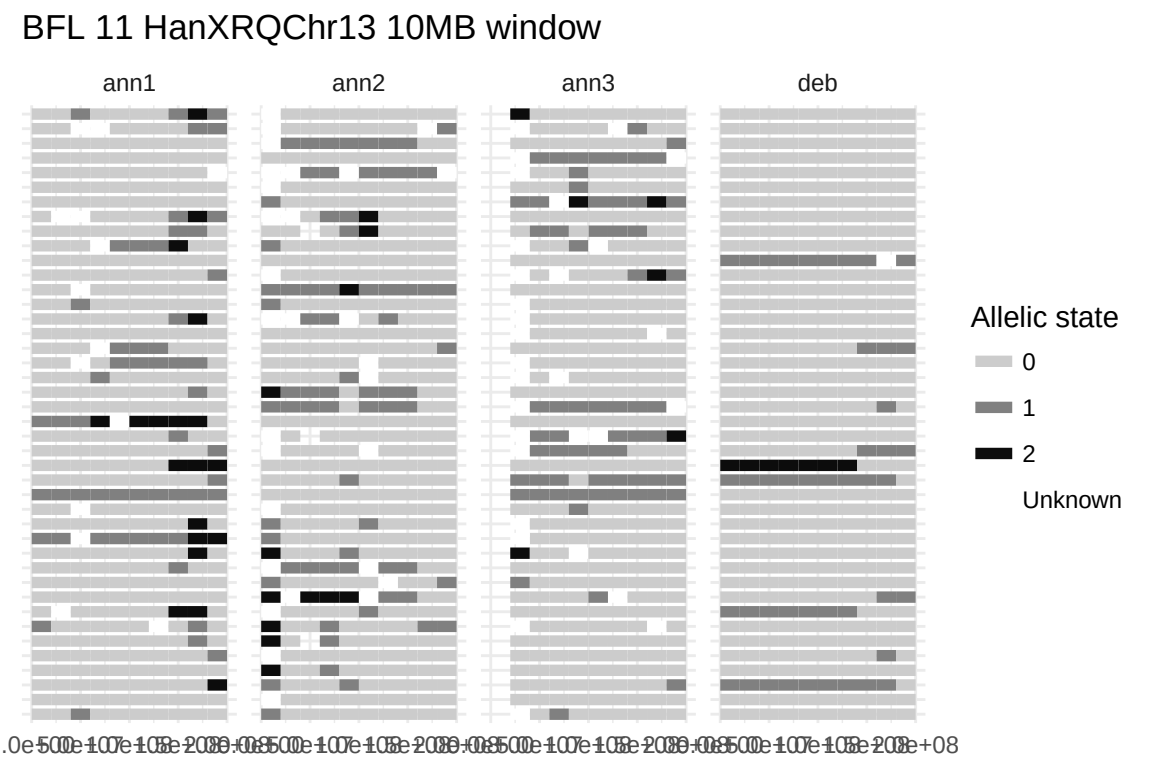
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ann3
deb
Allelic state
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1
2
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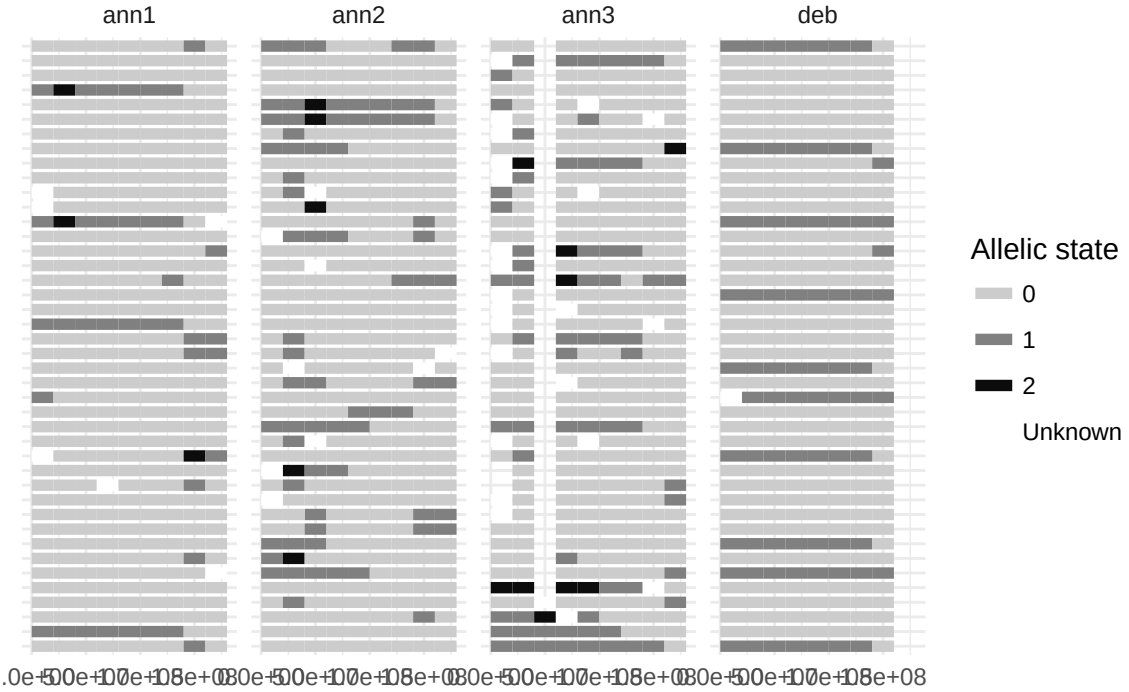
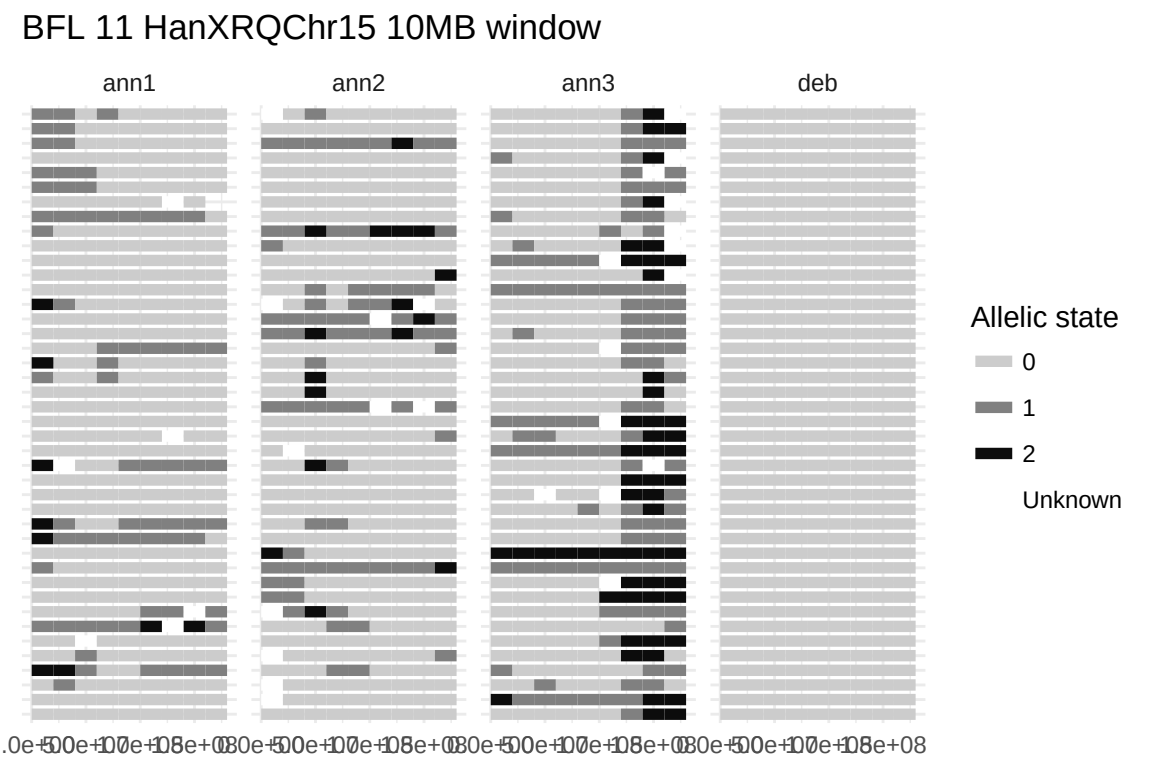
BFL 11 HanXRQChr14 10MB window

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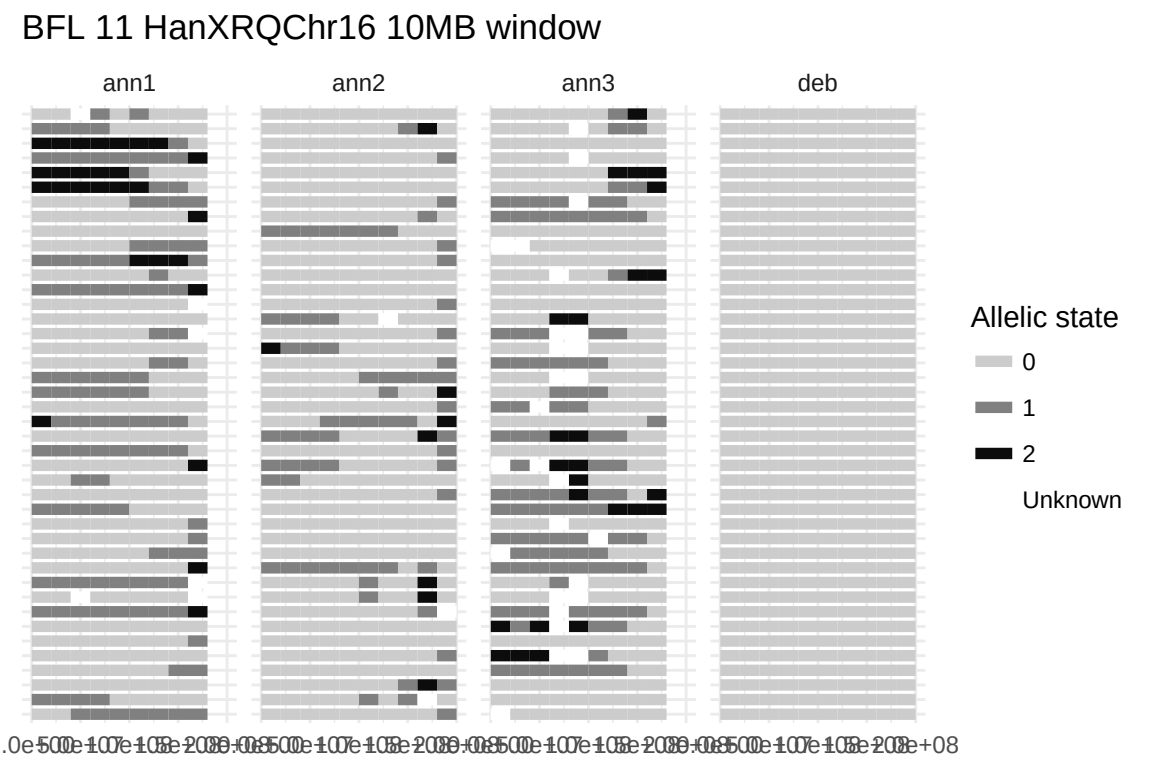
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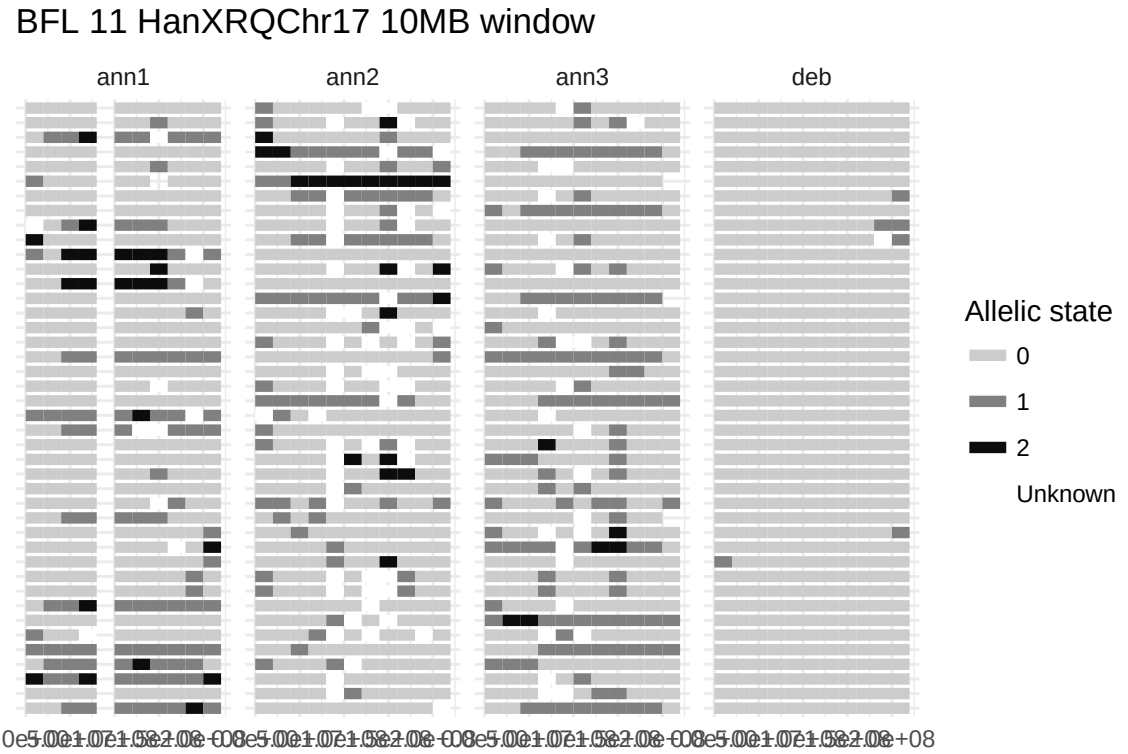
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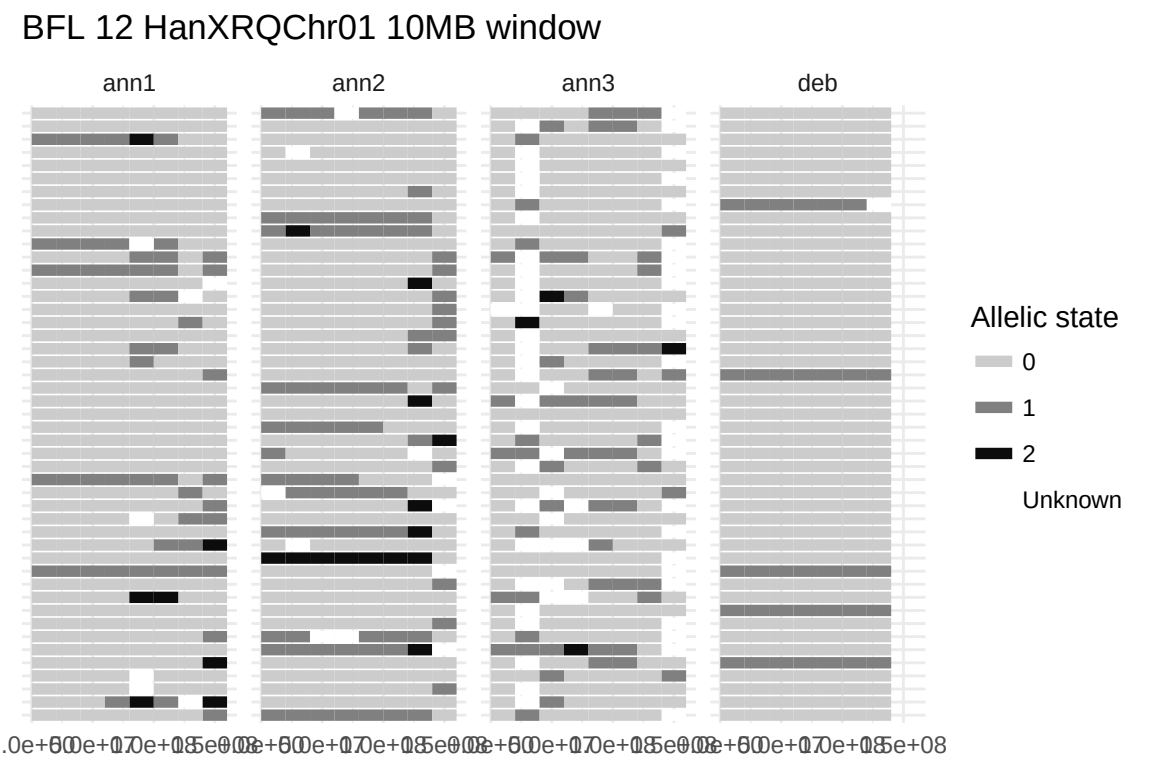
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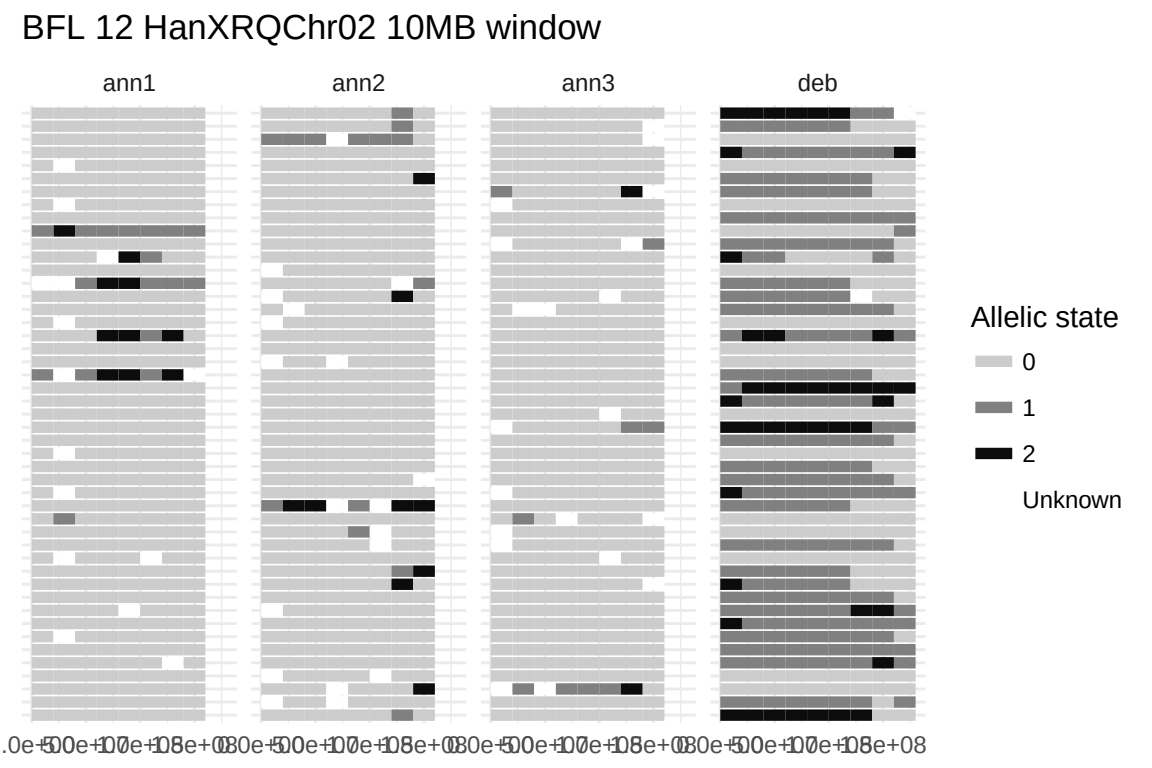
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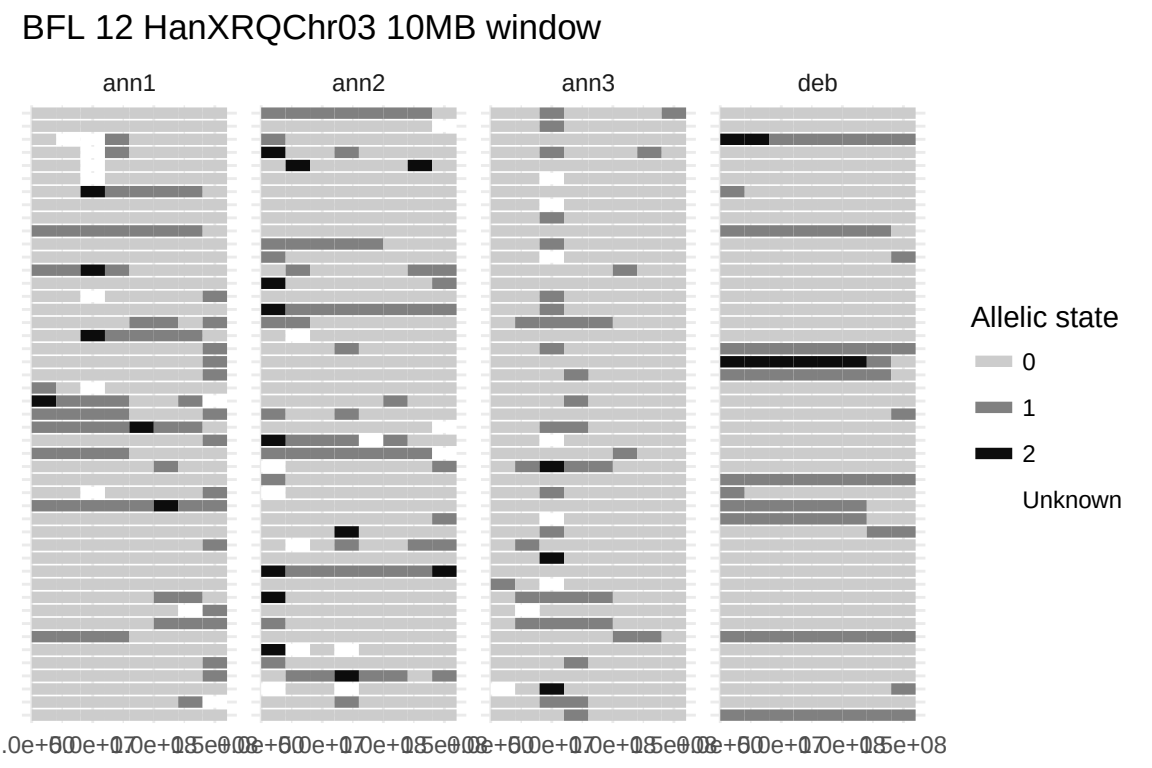
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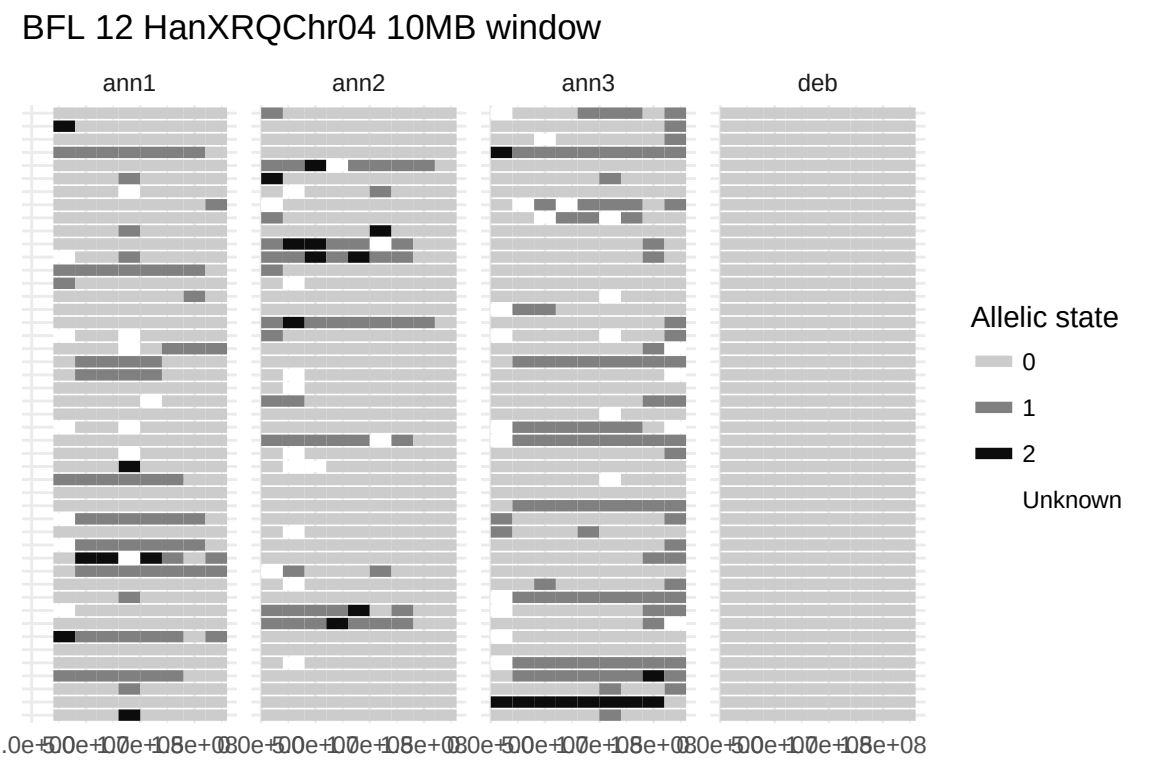
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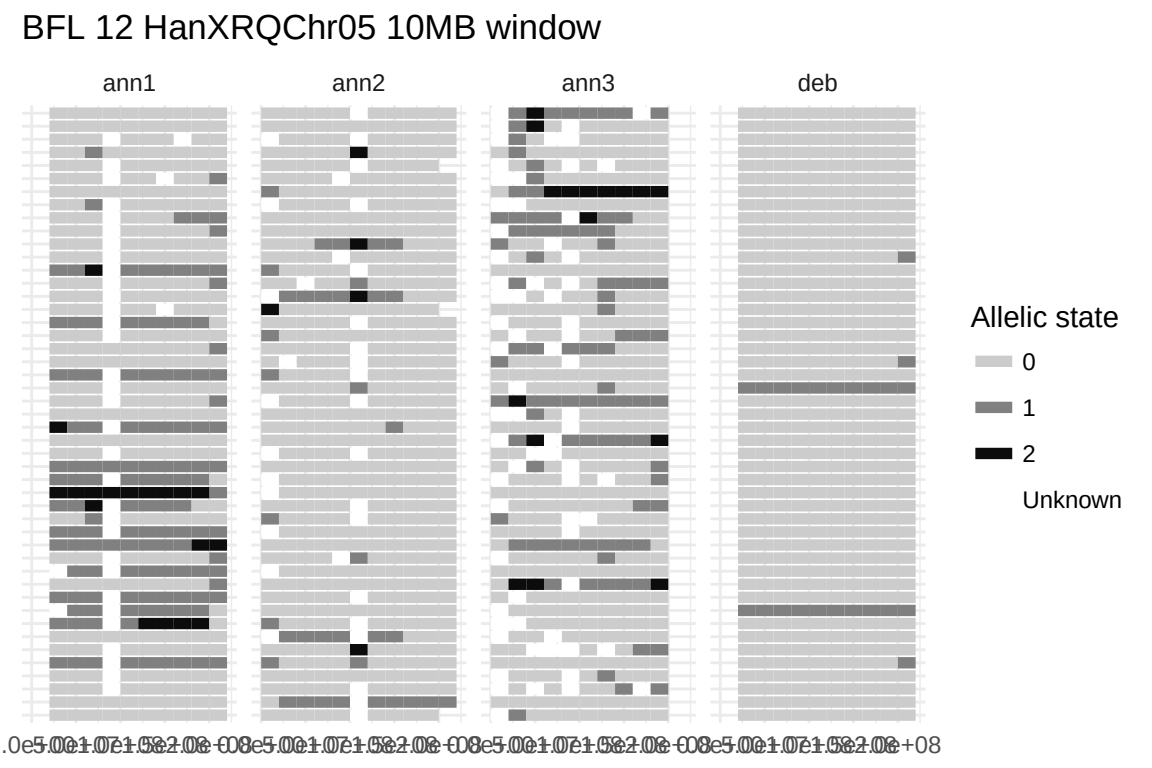
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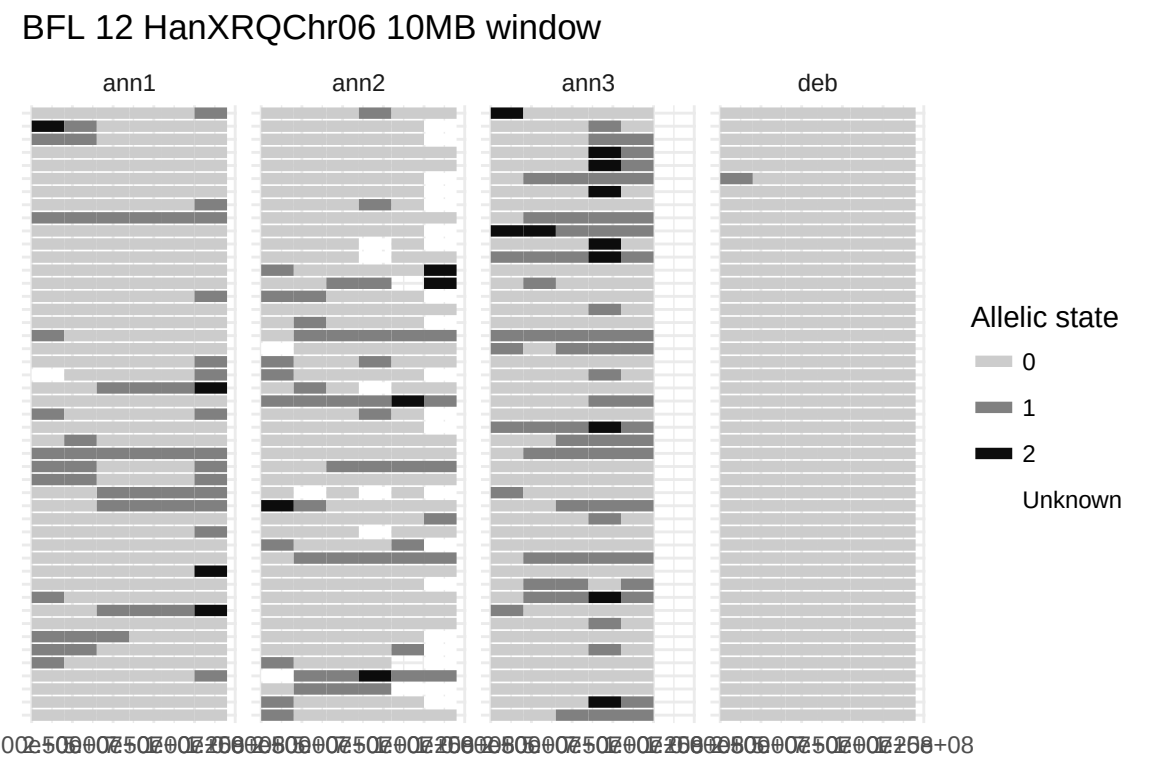
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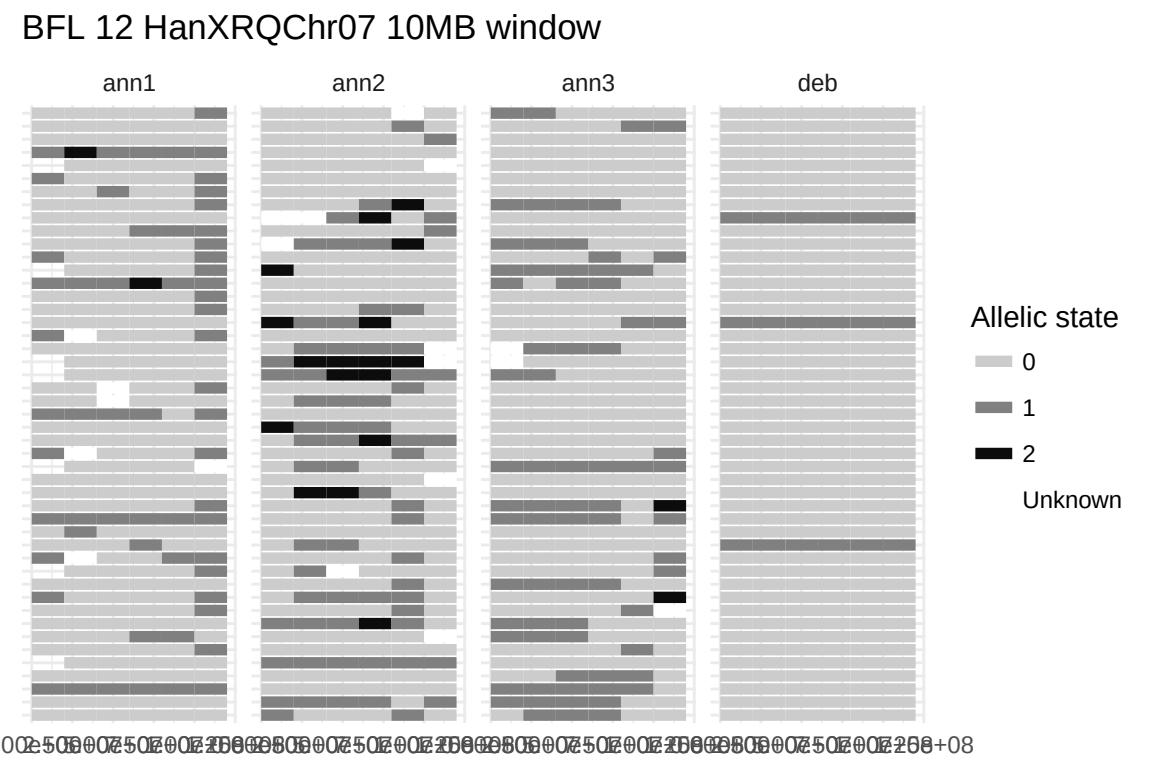
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deb
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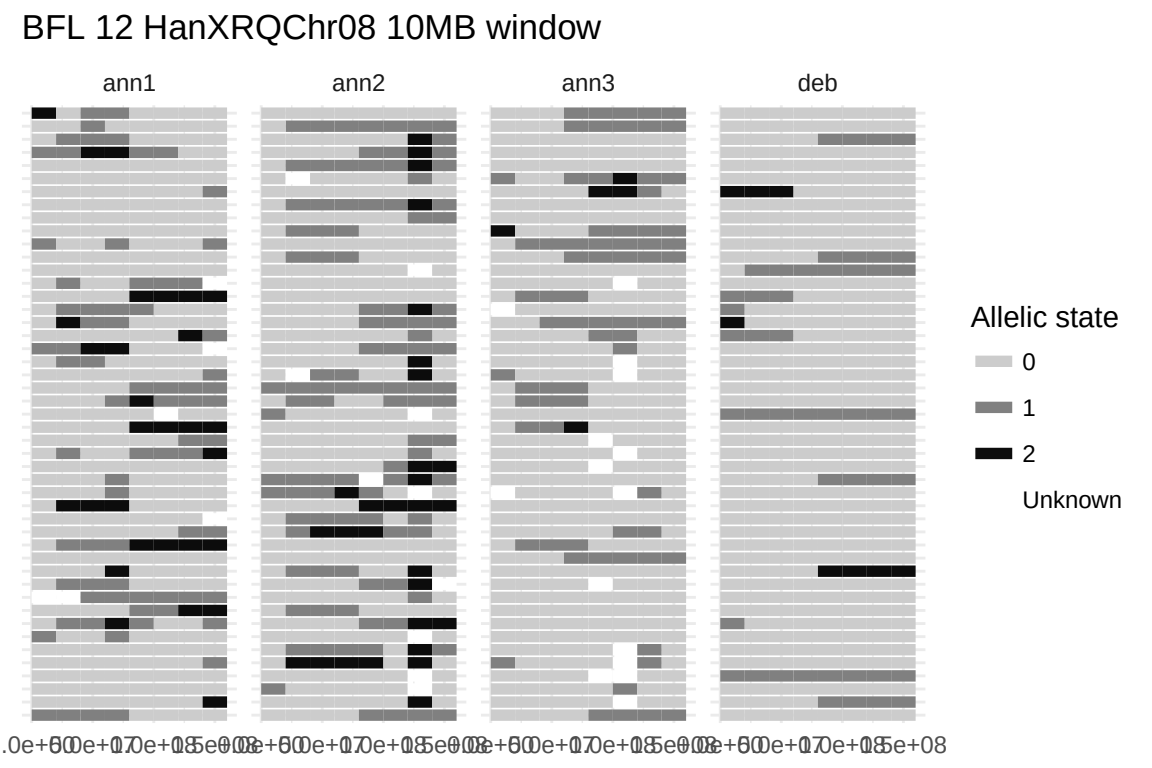
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deb
Allelic state
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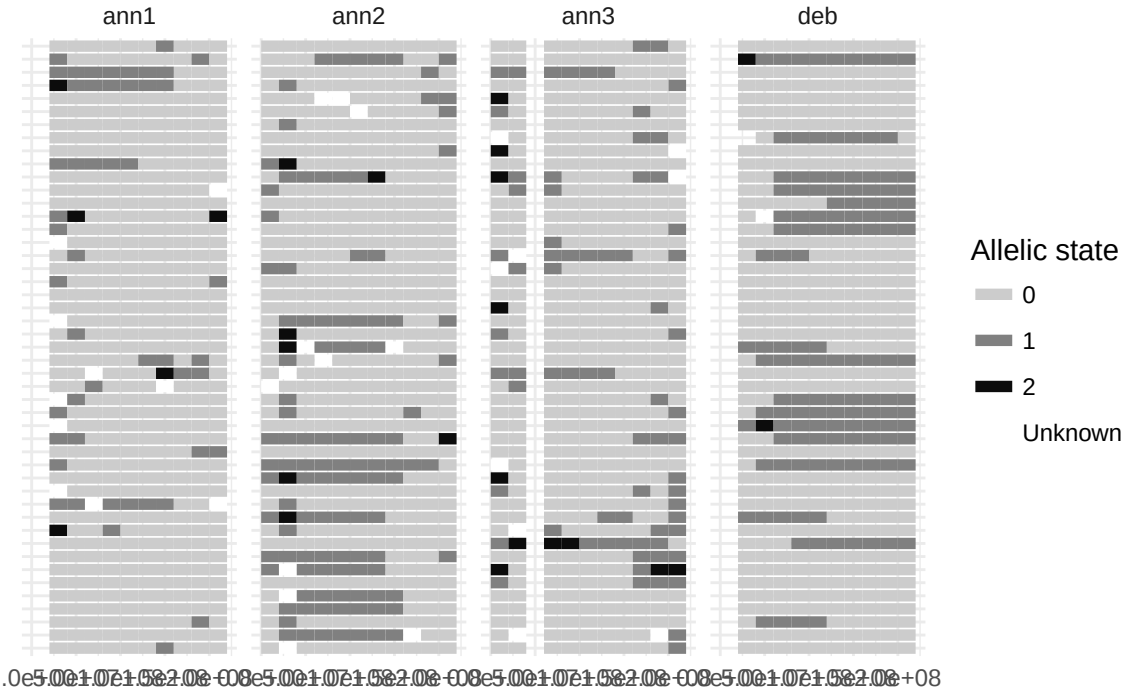
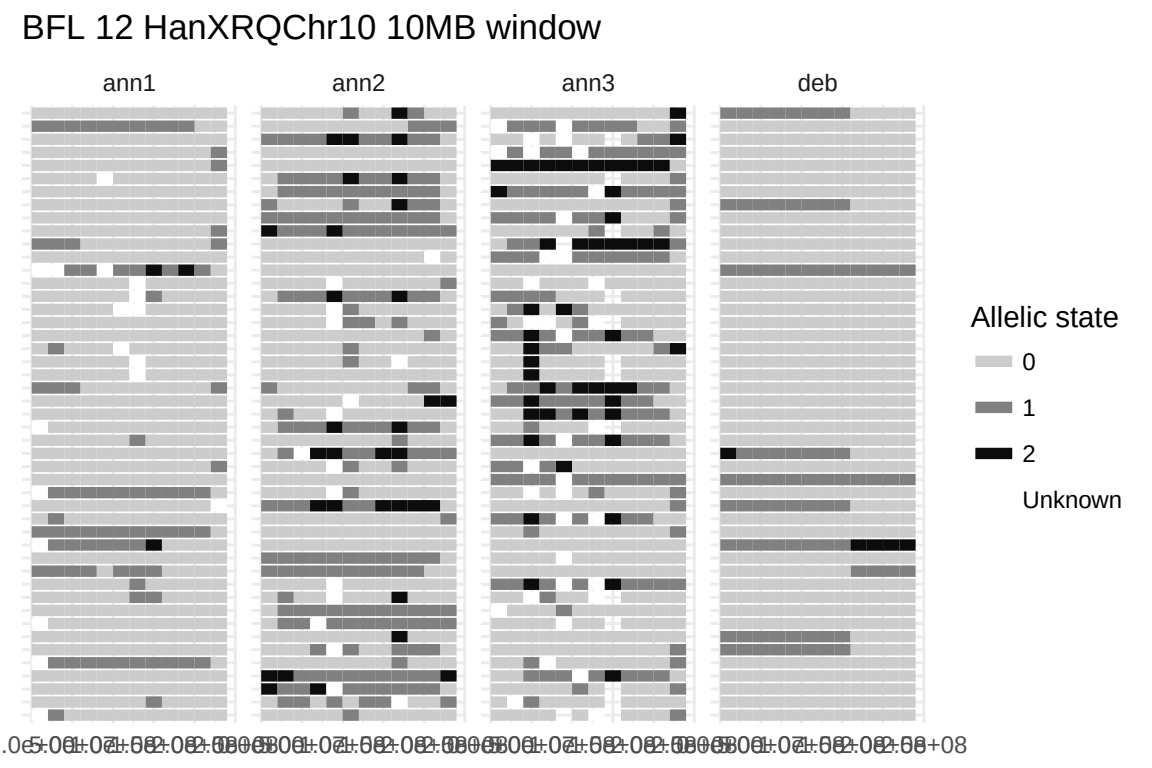
BFL 12 HanXRQChr09 10MB window

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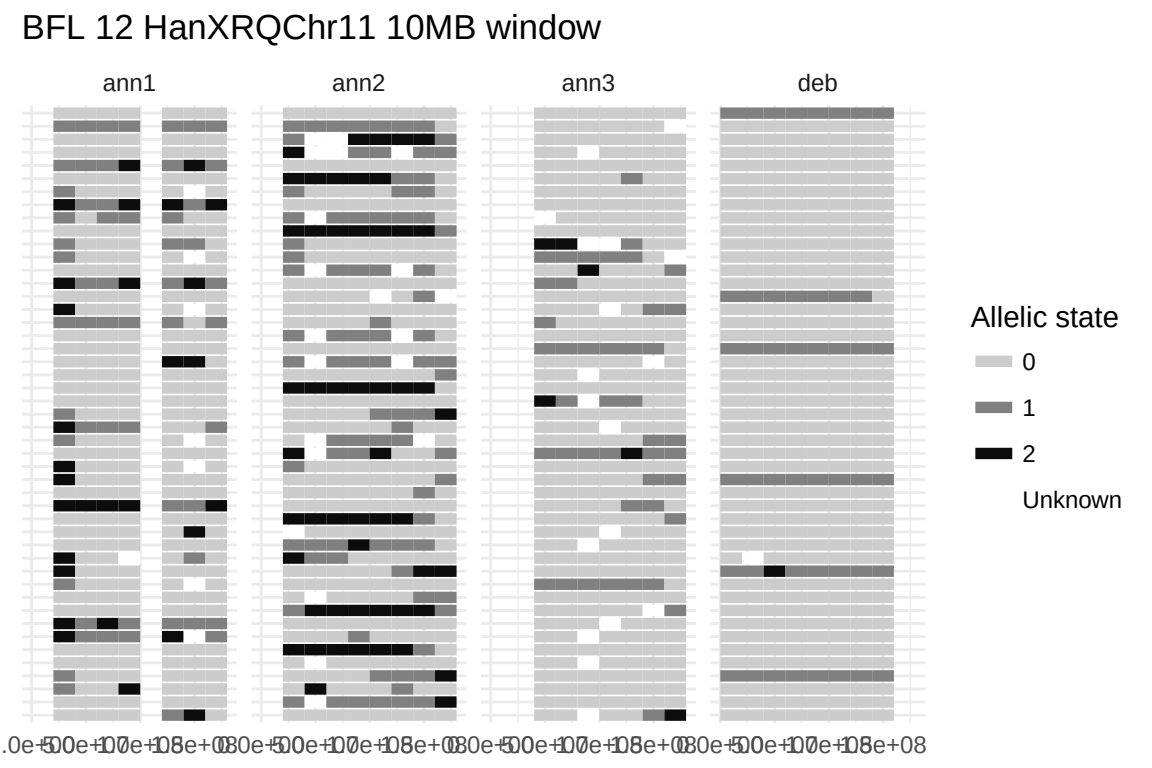
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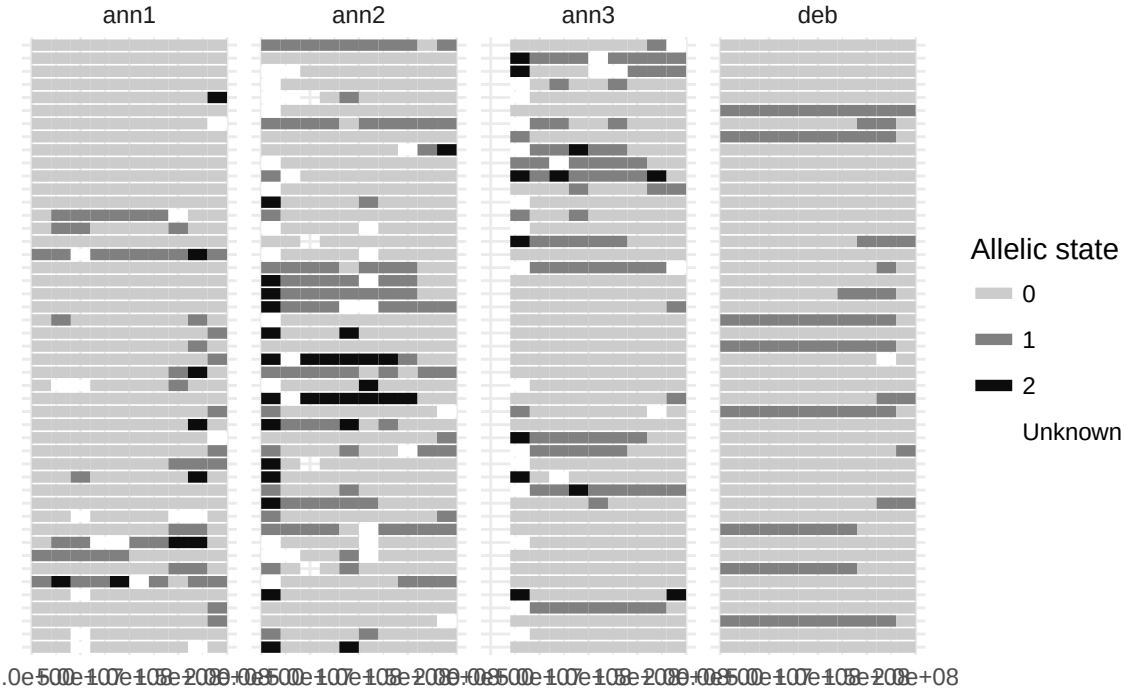
BFL 12 HanXRQChr13 10MB window



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ann3
deb
Allelic state
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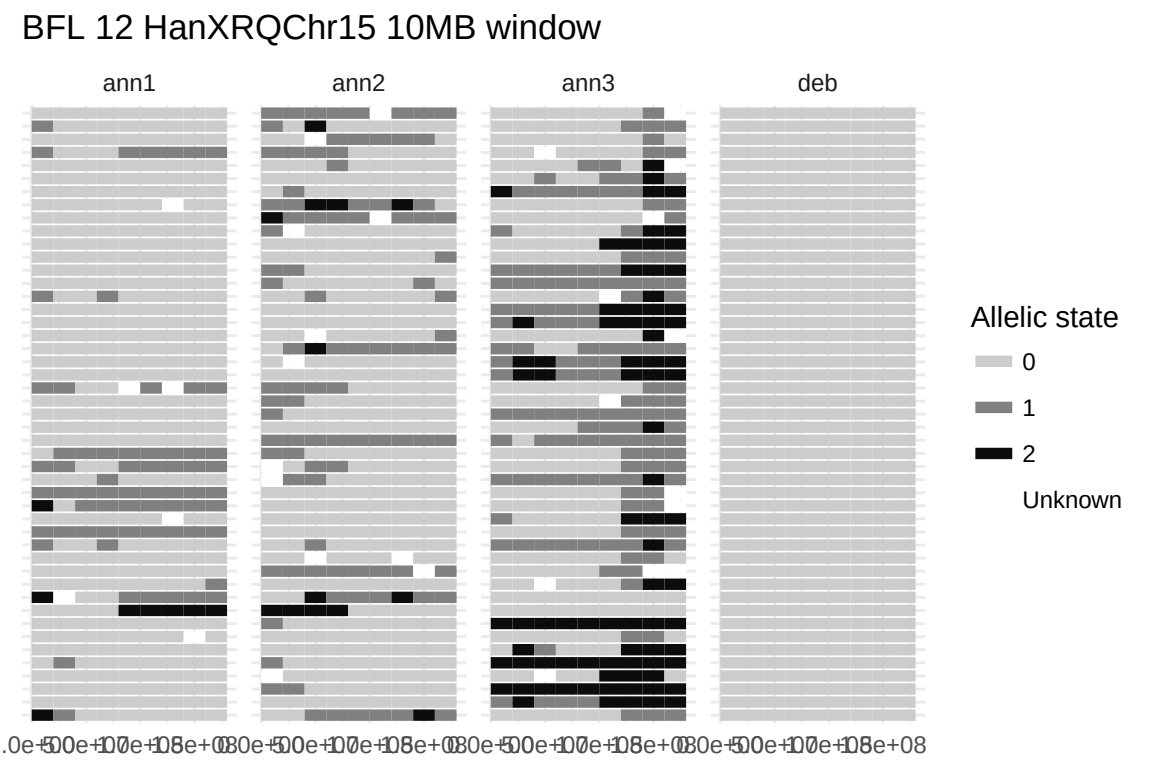
2
Unknown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ann3
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Allelic state
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1
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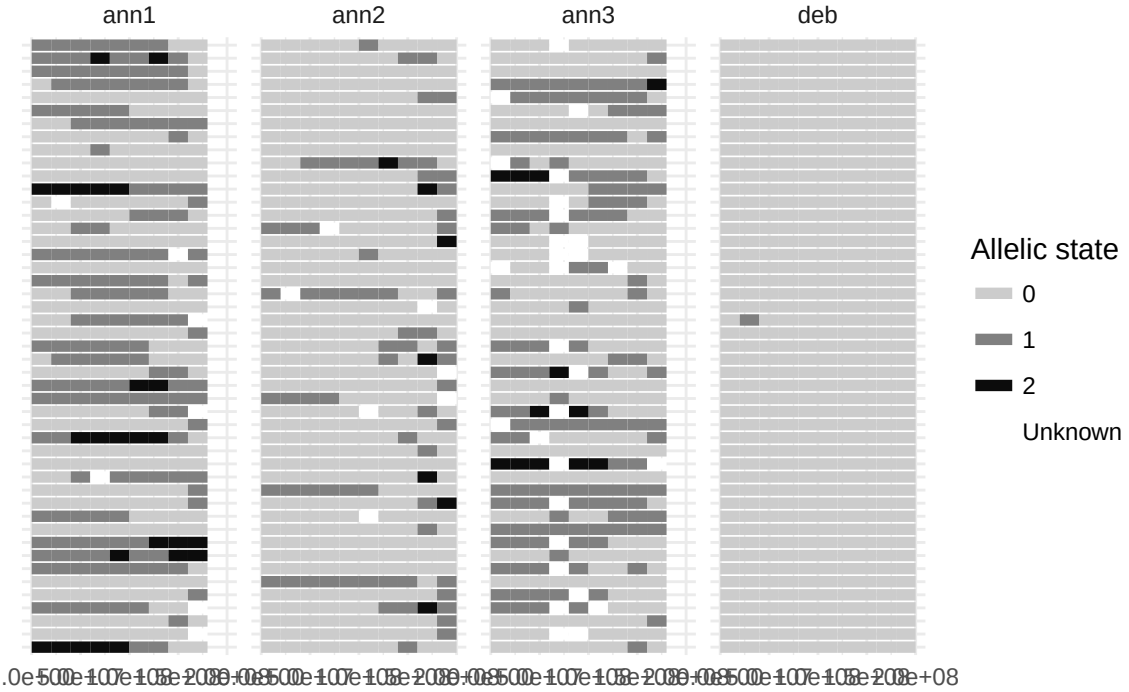
0

BFL 12 HanXRQChr16 10MB window



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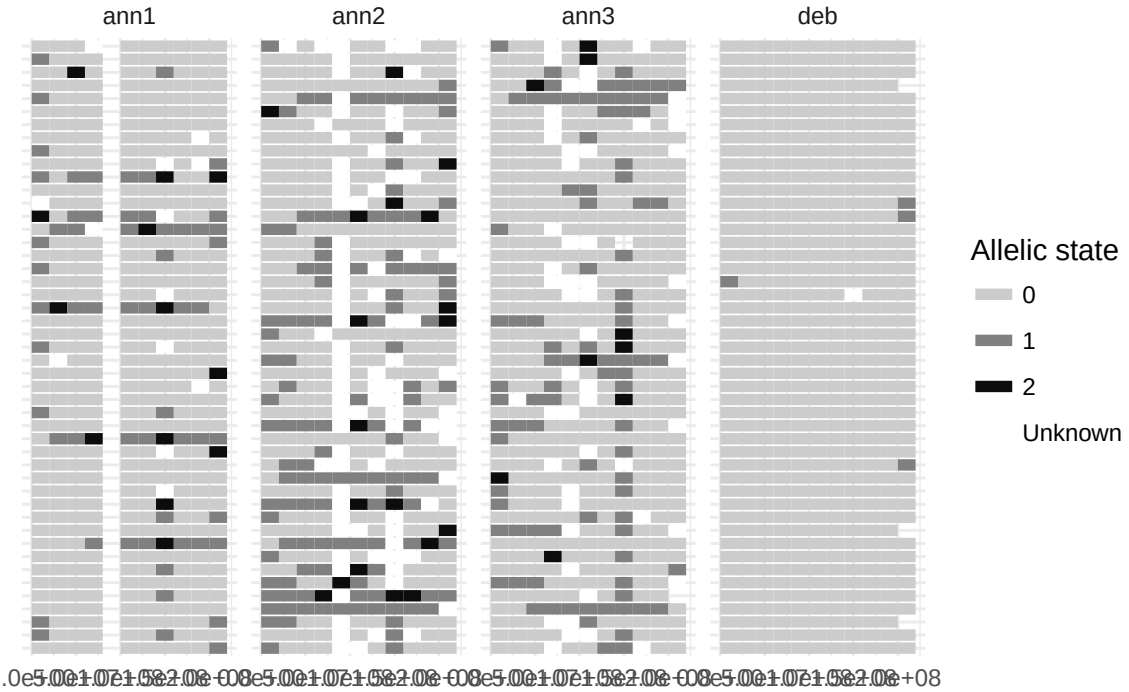

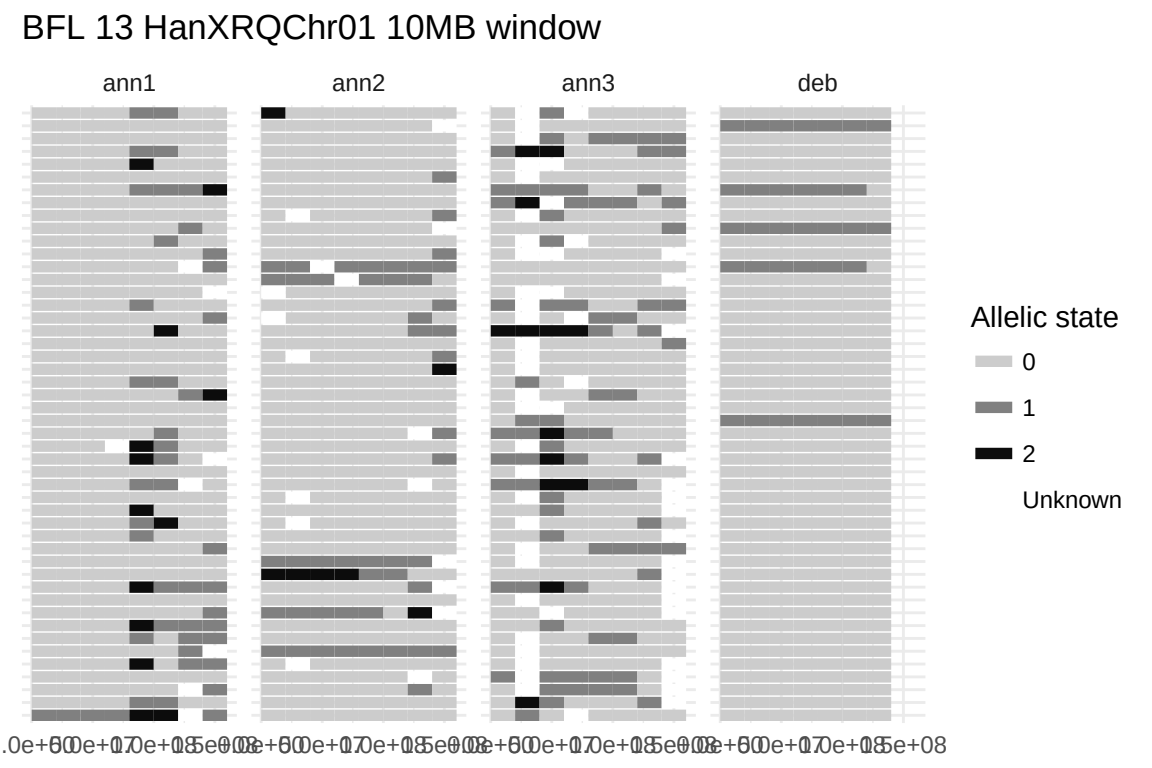
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deb
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1
2
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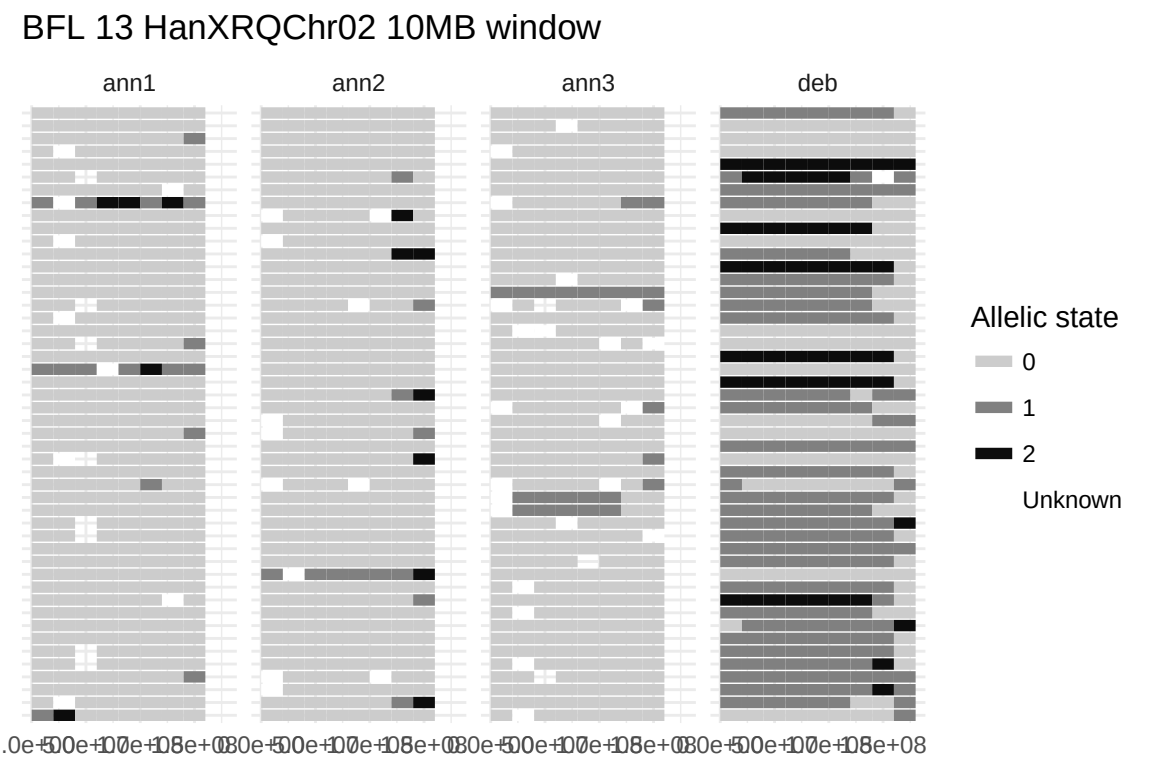
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Allelic state
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2
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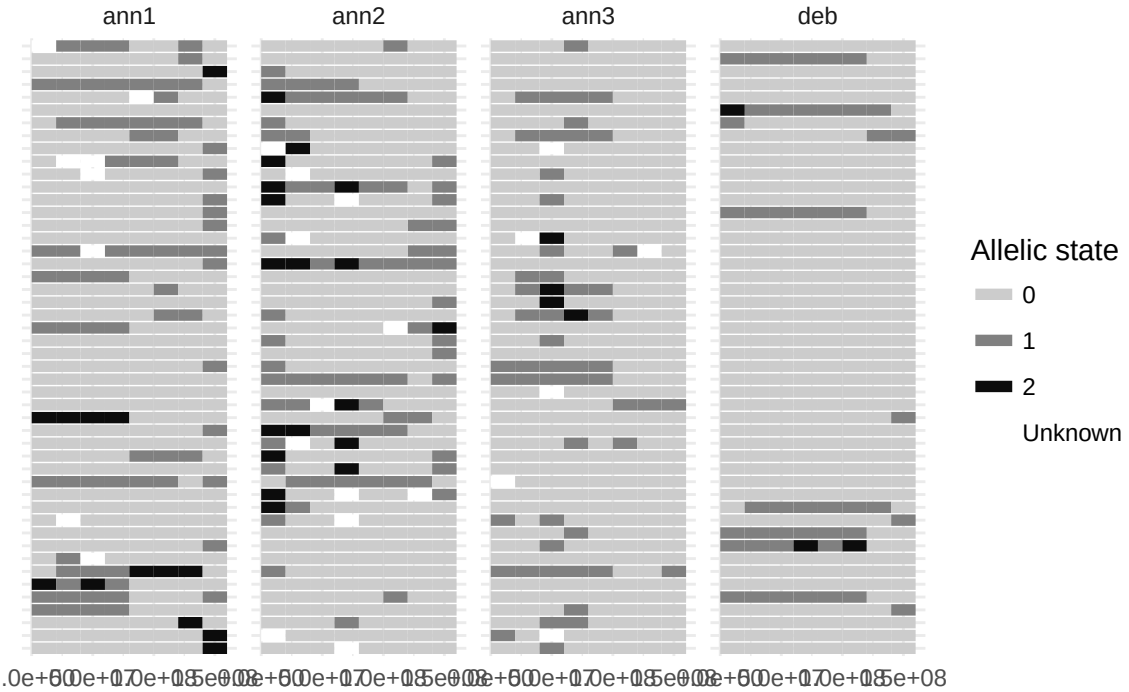
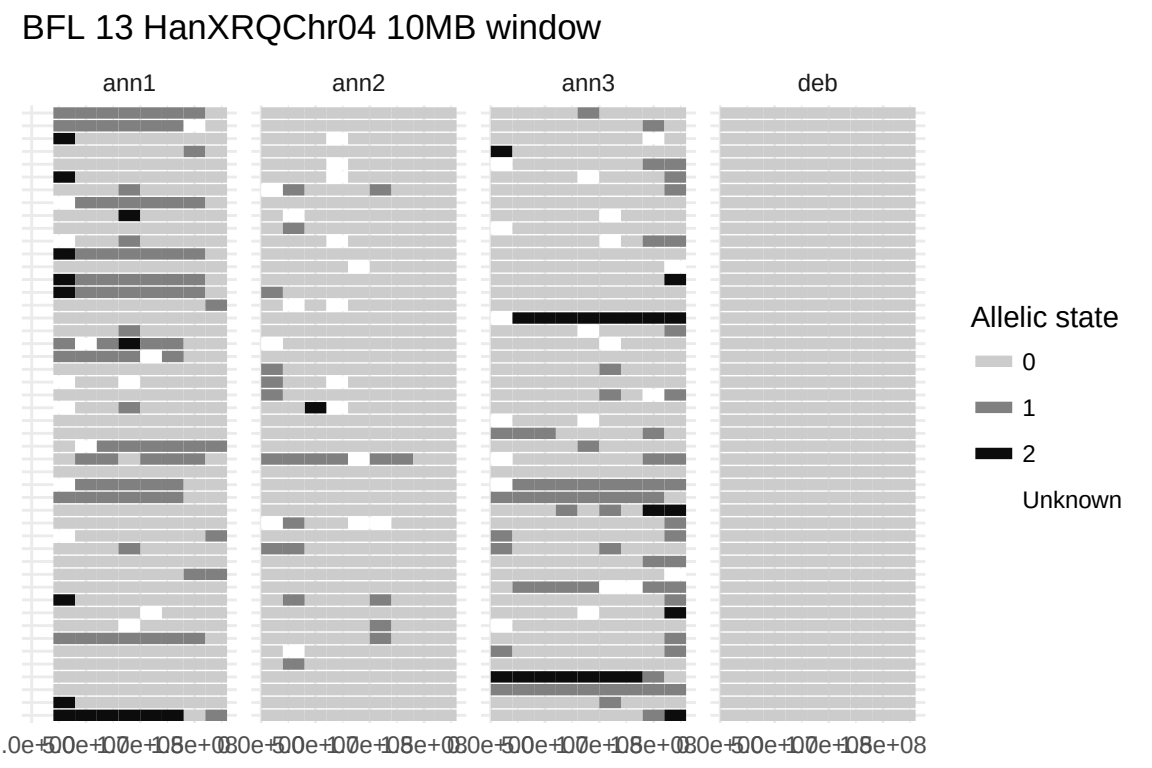
BFL 13 HanXRQChr03 10MB window

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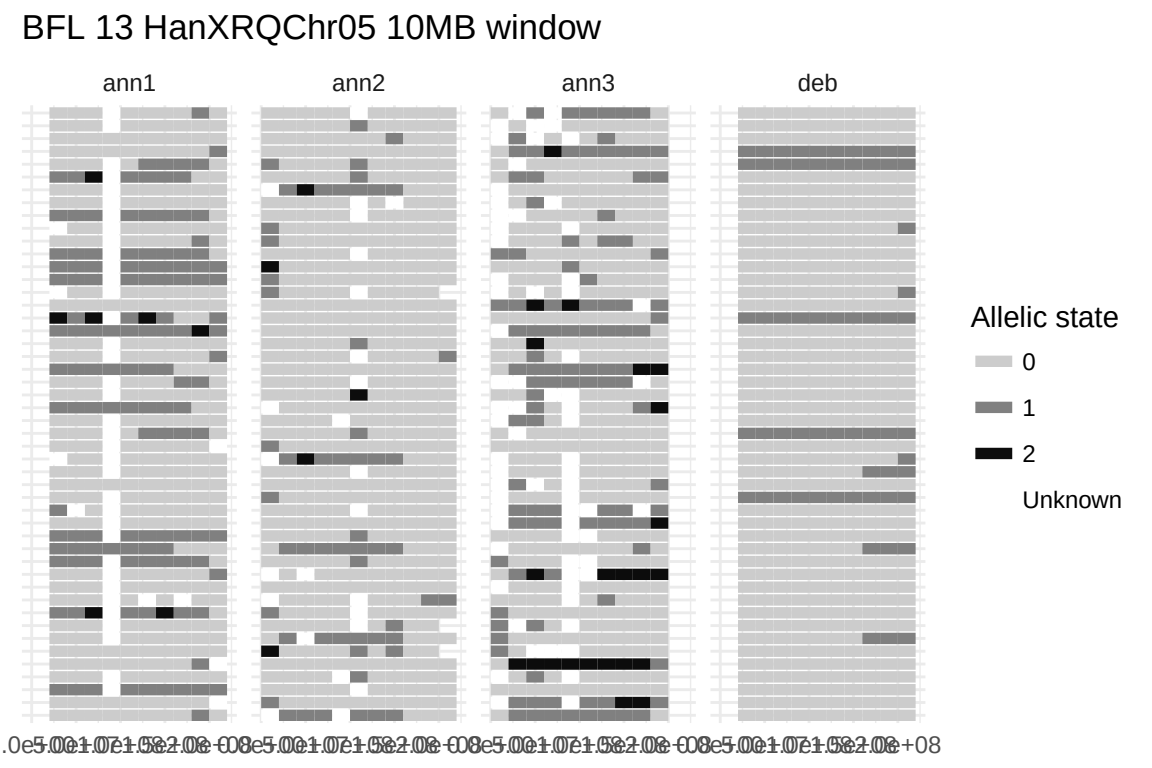
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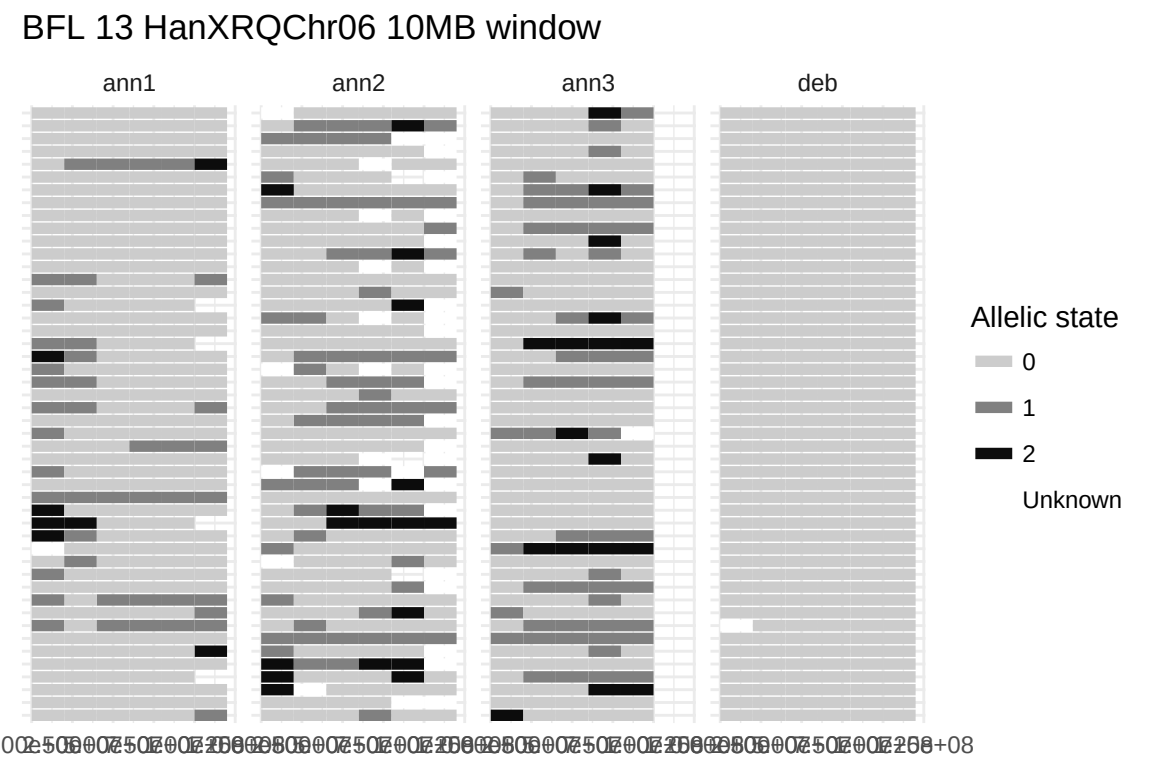
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2
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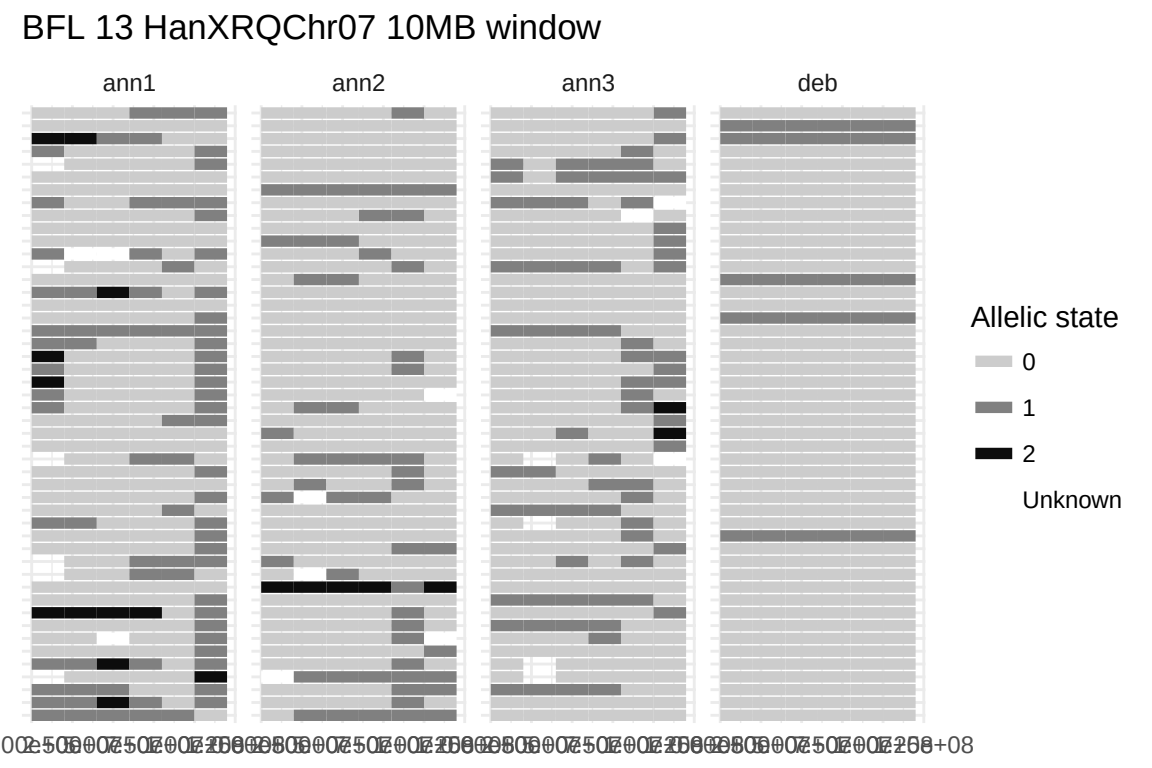
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ann2
ann3
deb
Allelic state
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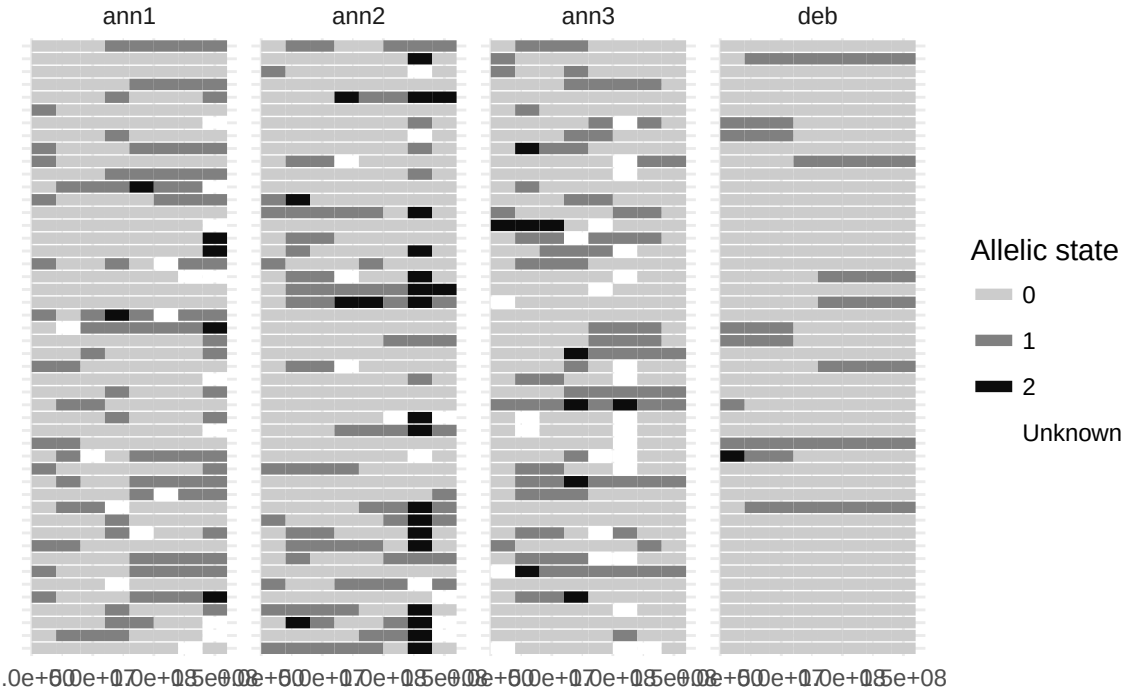
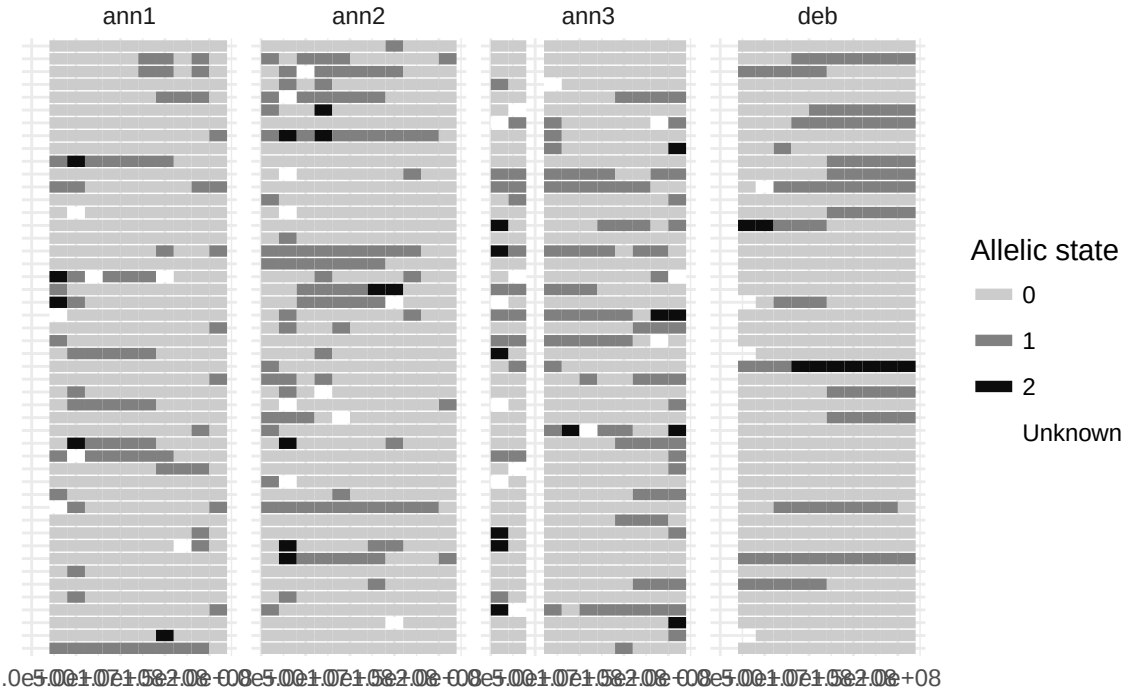
1
2
Unknown

BFL 13 HanXRQChr08 10MB window



BFL 13 HanXRQChr09 10MB window



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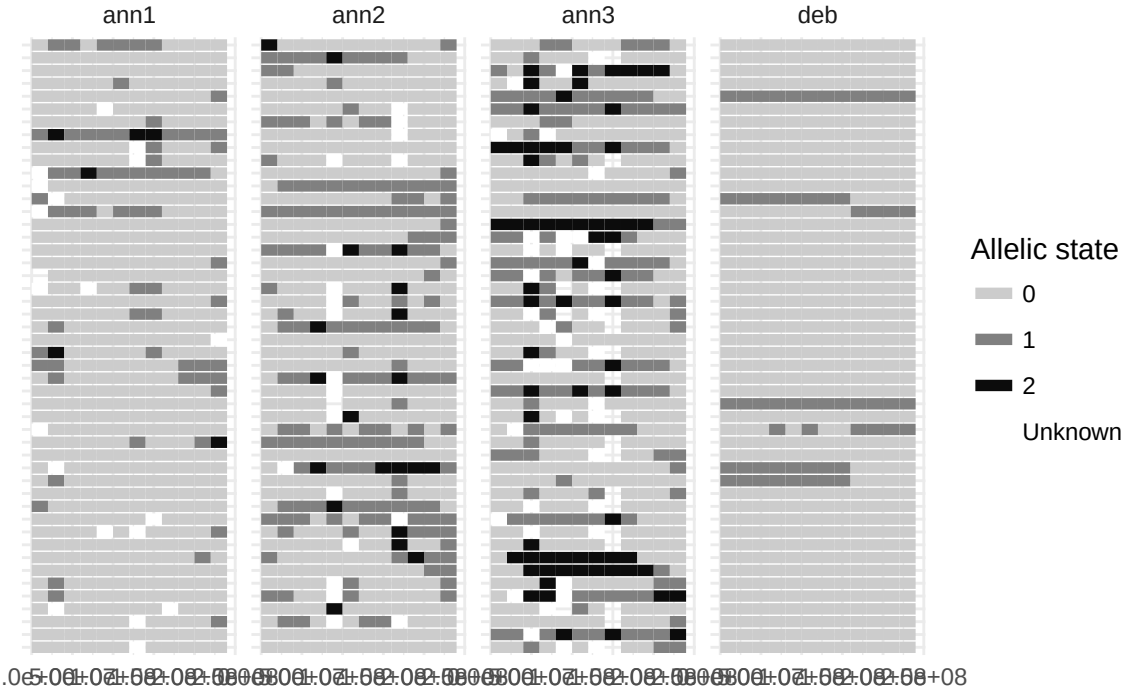

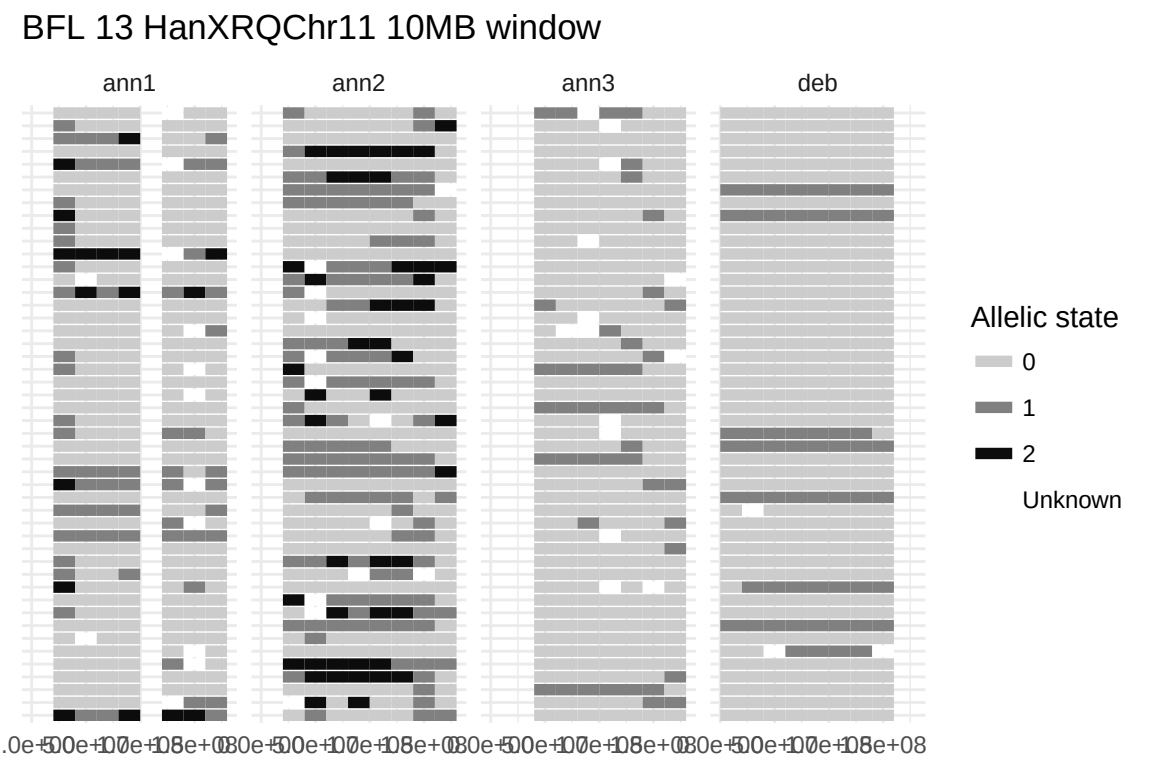
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ann2
ann3
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2
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0.0e+5
0.0e+5
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BFL 13 HanXRQChr12 10MB window
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ann3
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Allelic state
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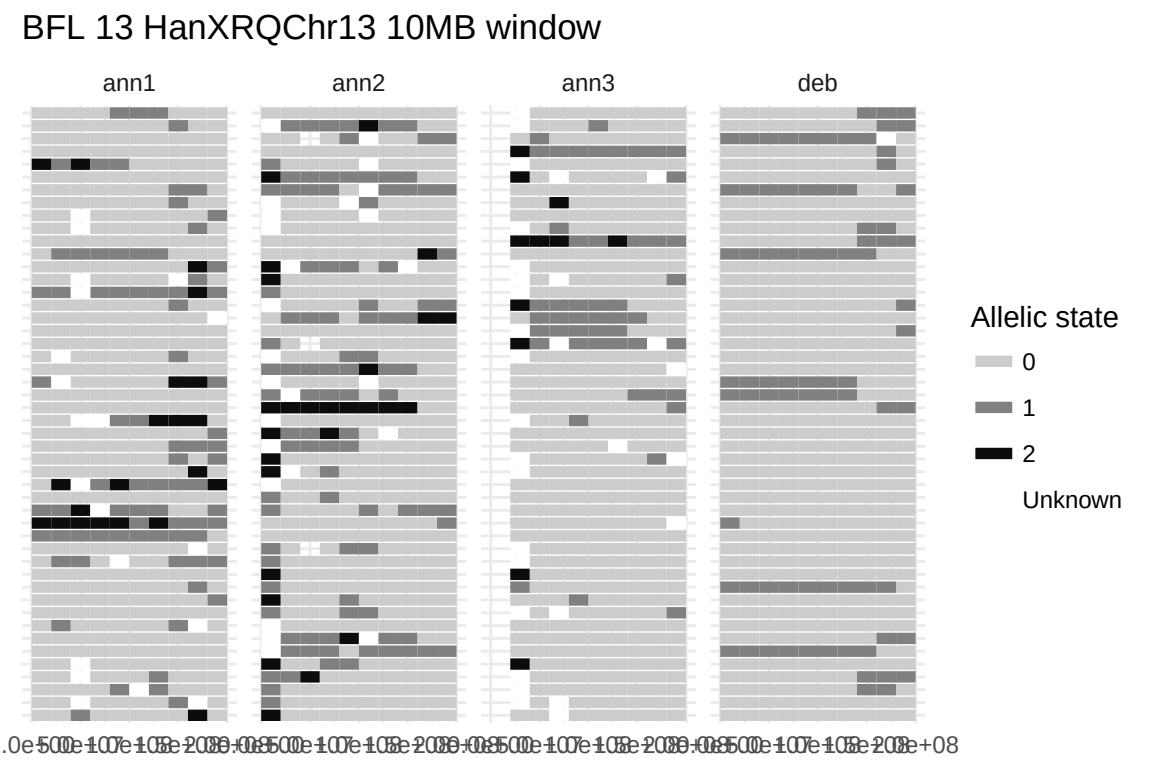
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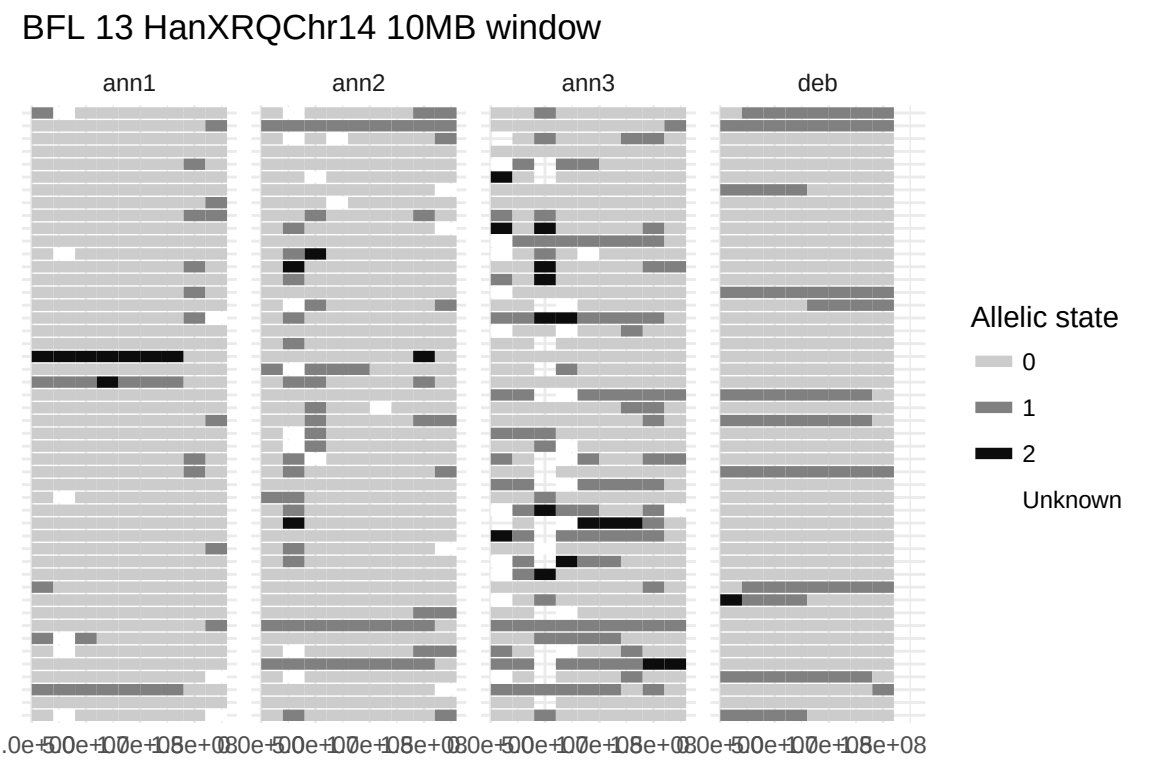
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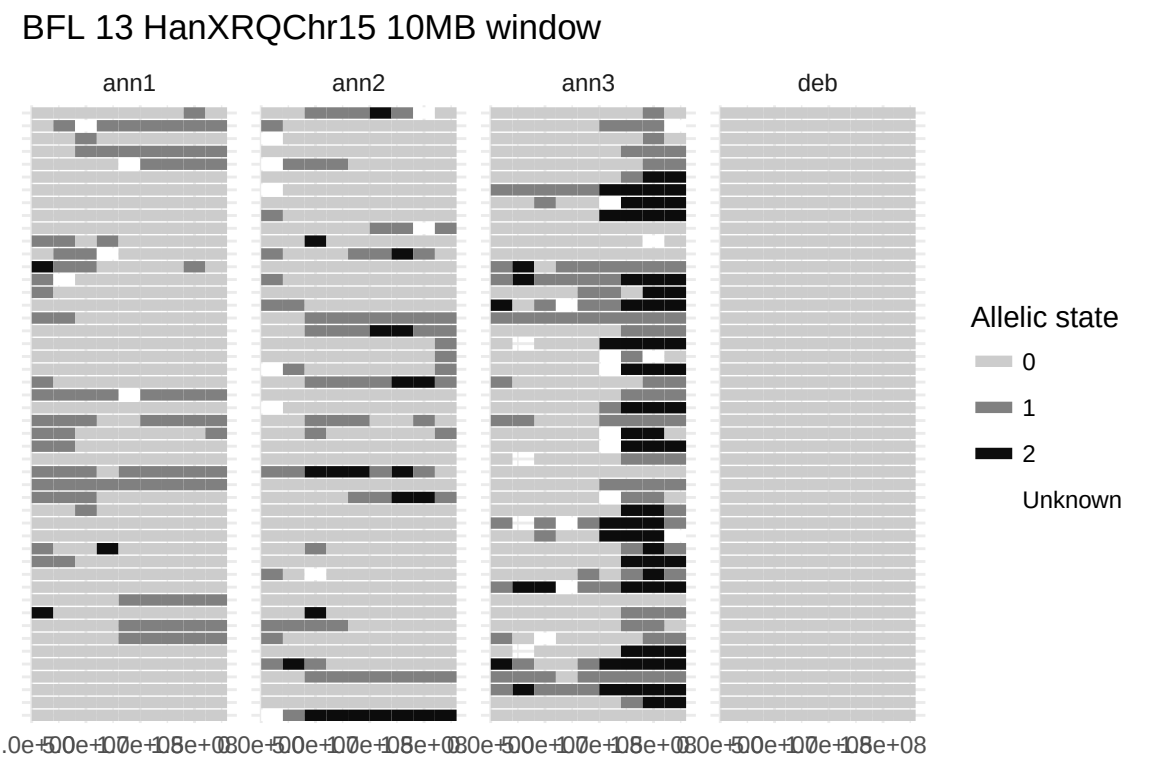
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ann2
ann3
deb
Allelic state
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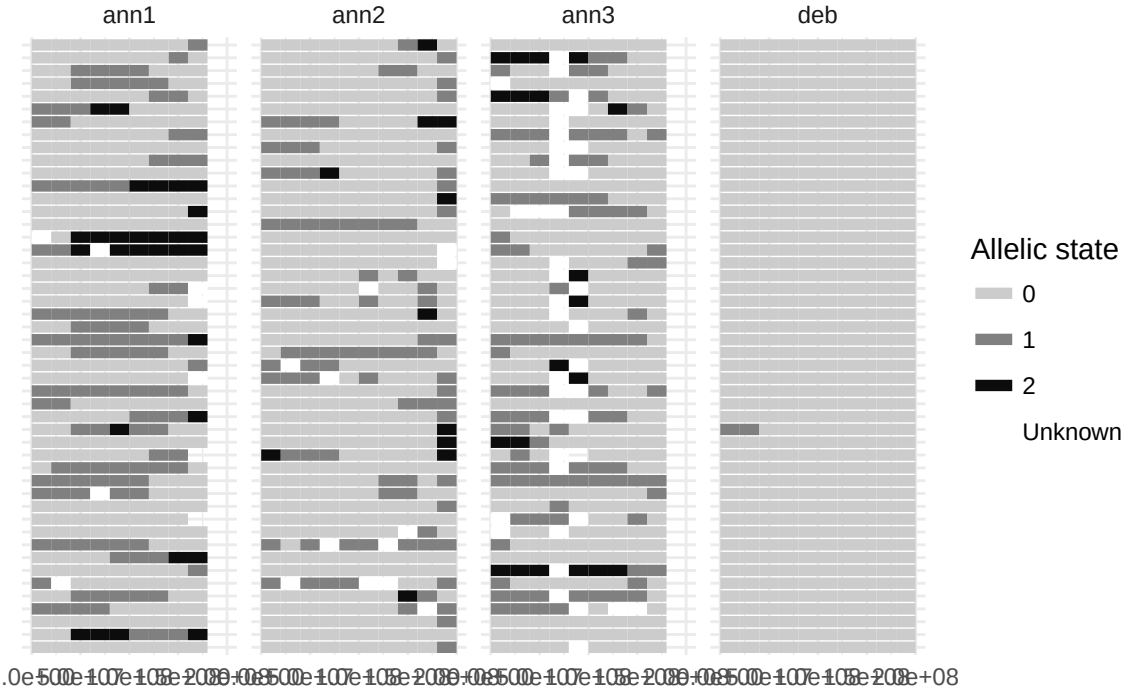
1
2
Unknown

BFL 13 HanXRQChr16 10MB window



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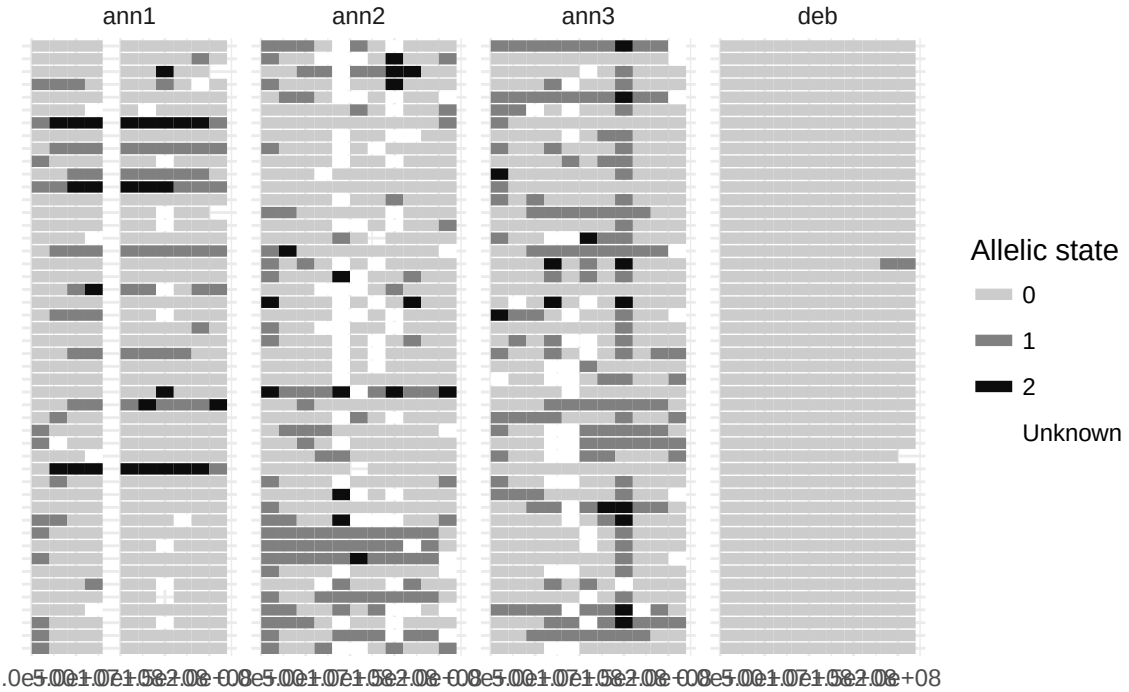

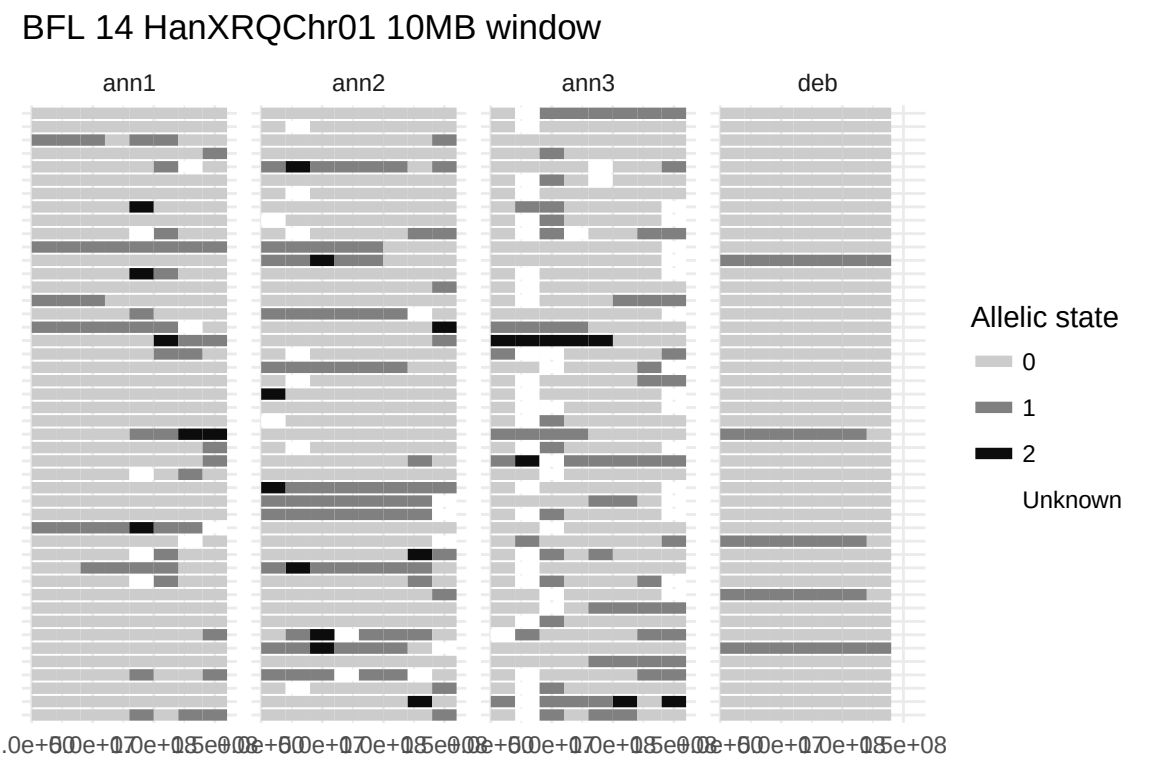
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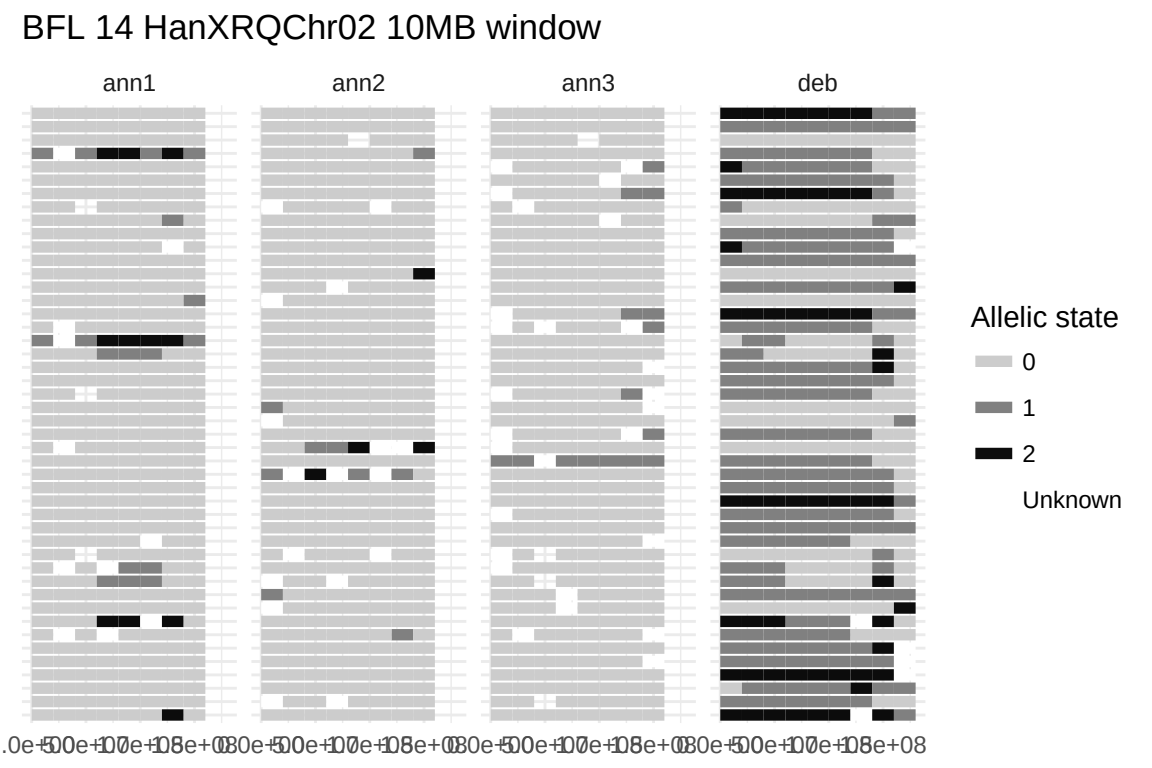
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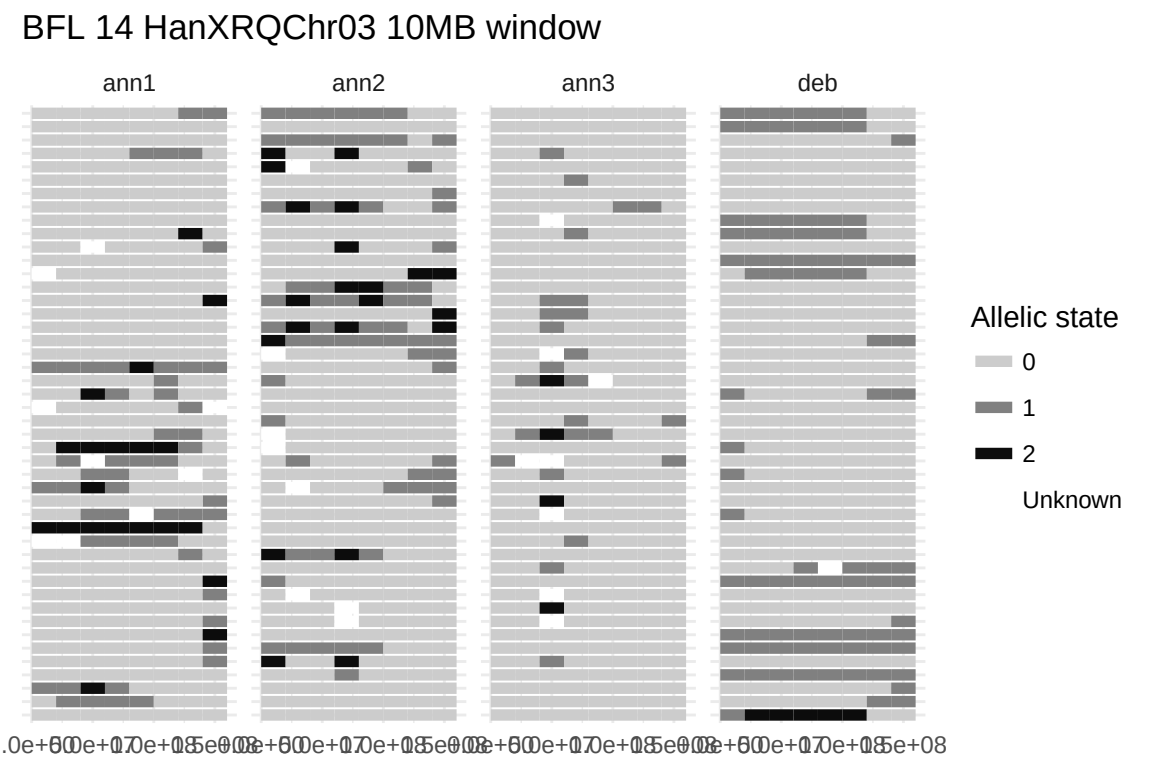
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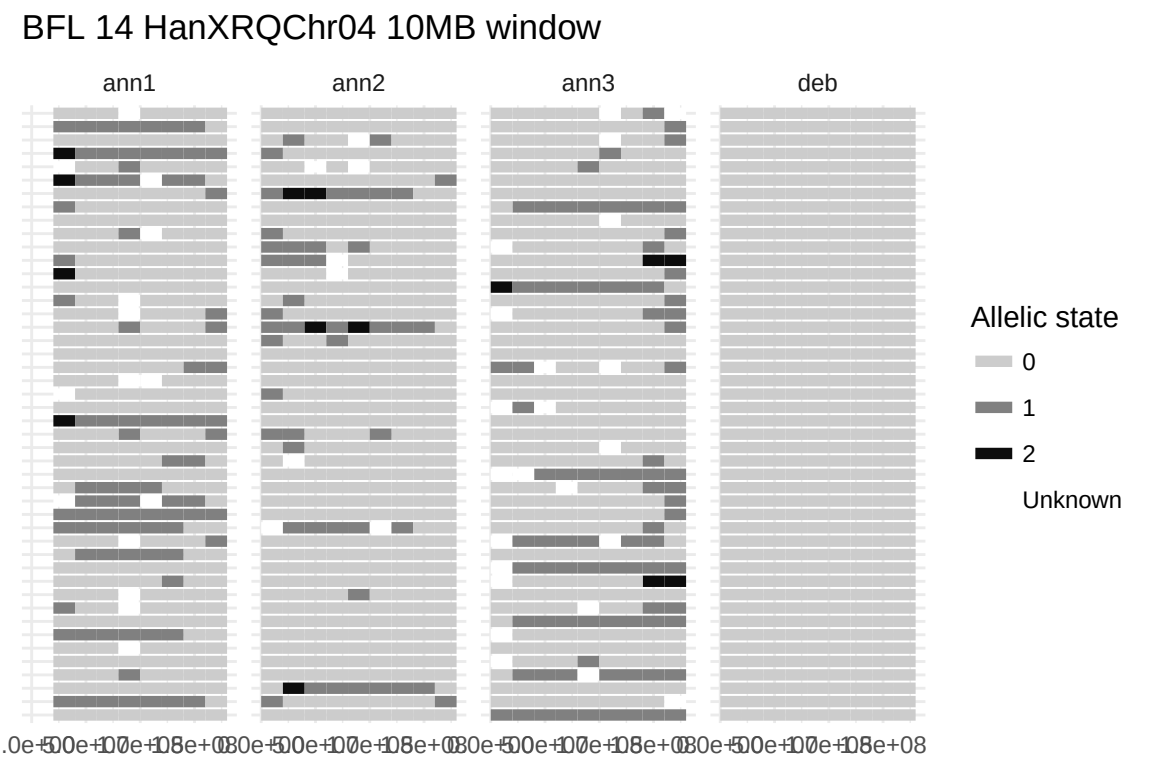
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ann2
ann3
deb
Allelic state
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1
2
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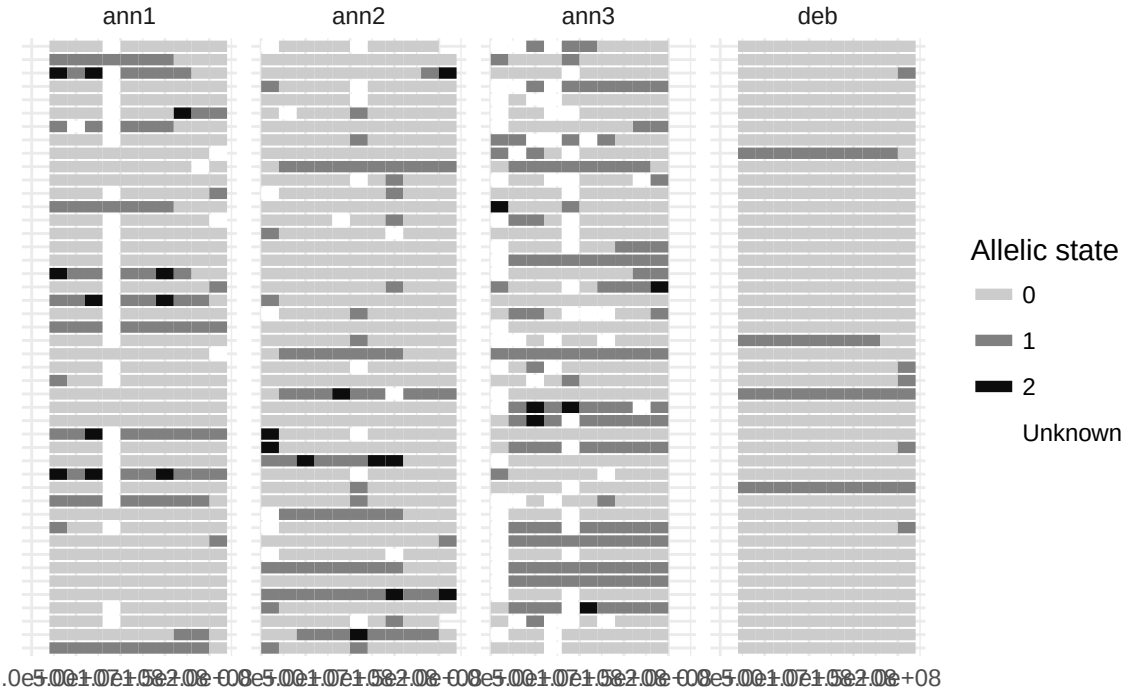
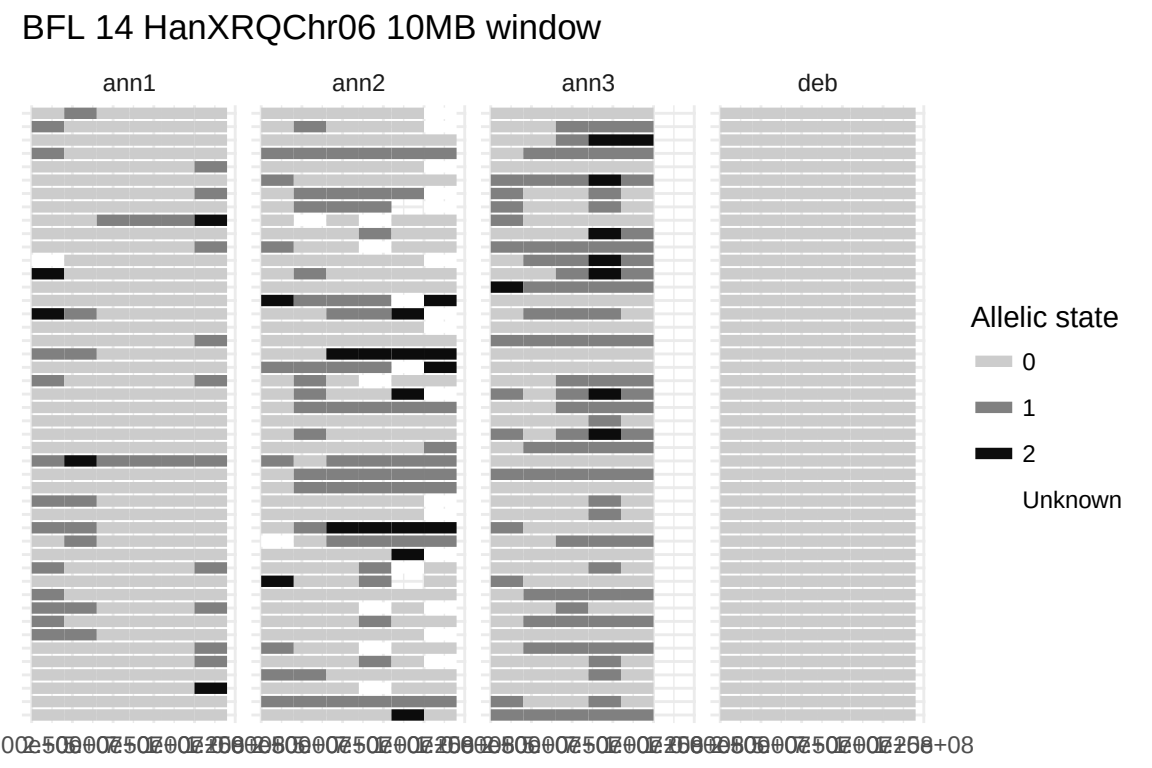
BFL 14 HanXRQChr05 10MB window

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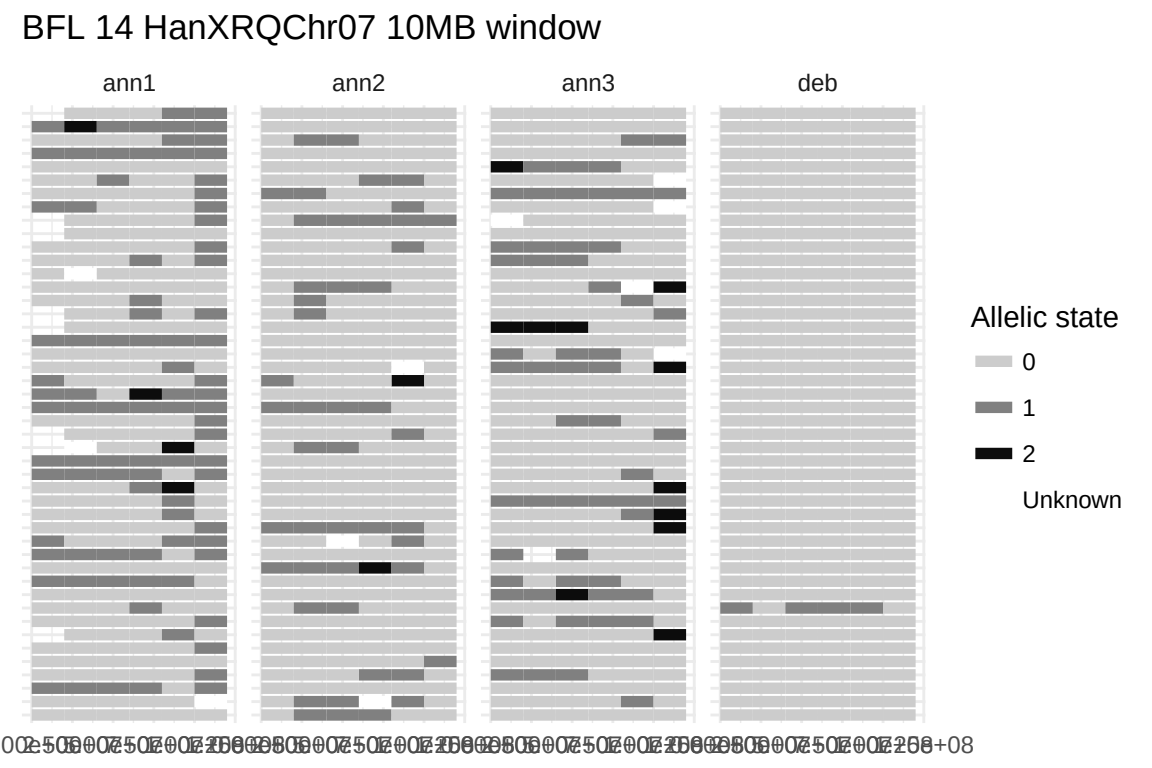
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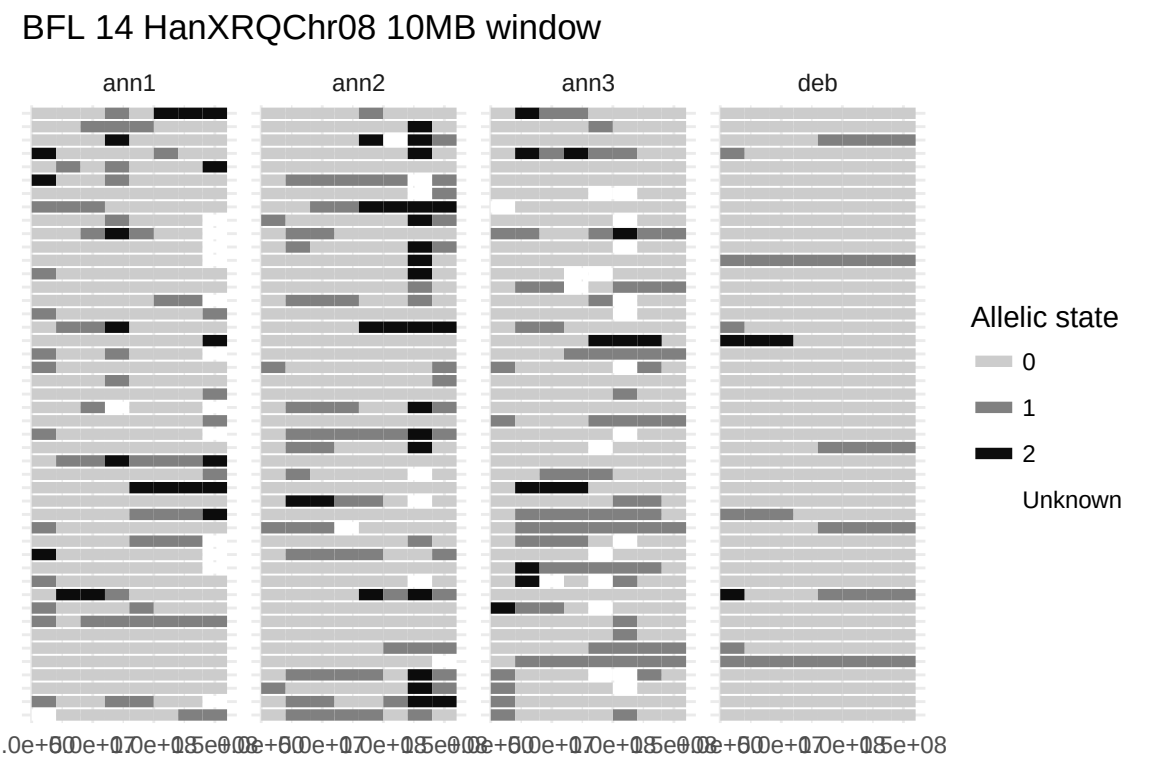
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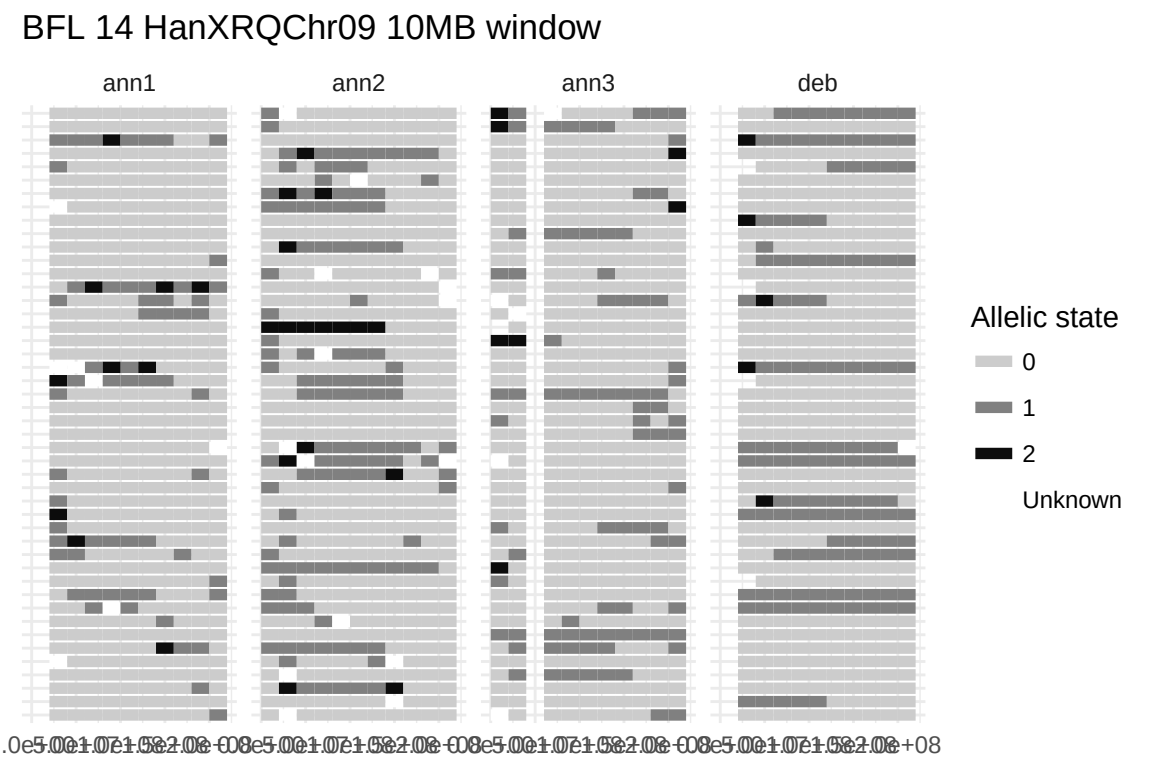
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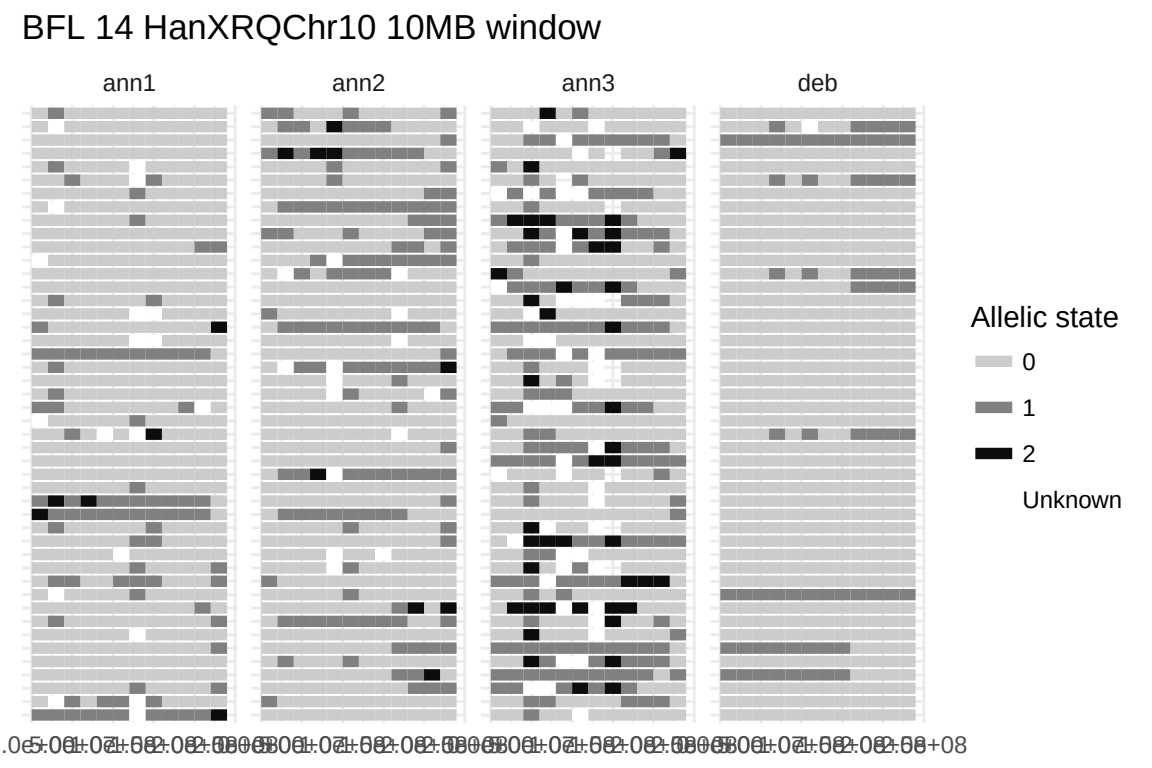
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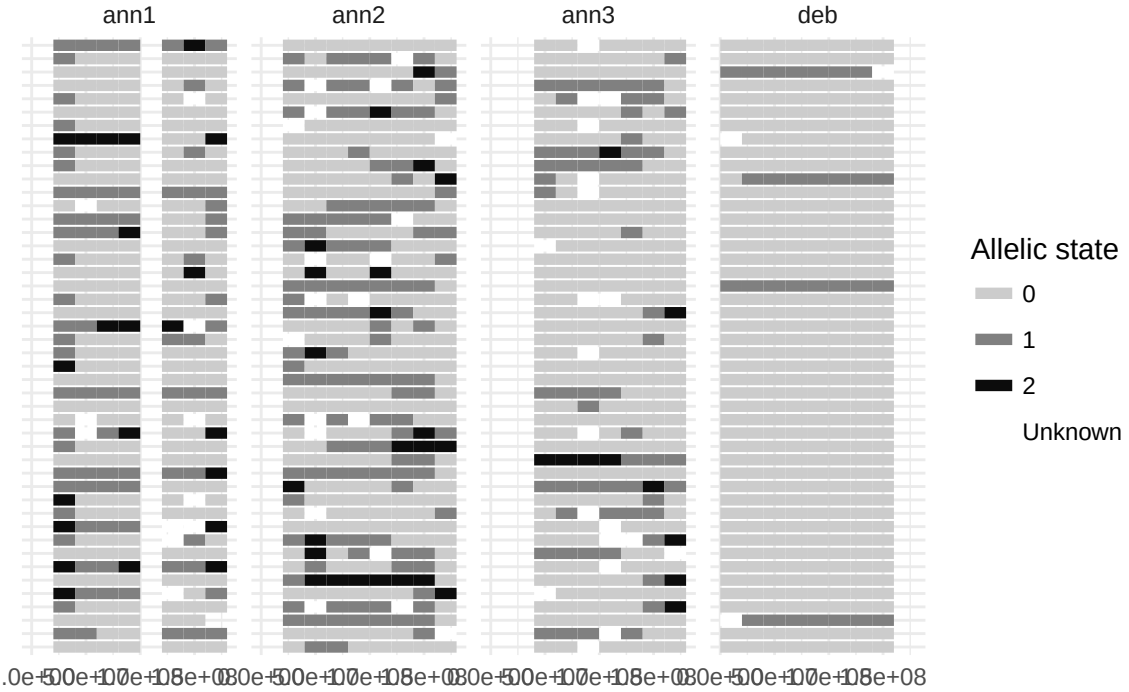
BFL 14 HanXRQChr11 10MB window



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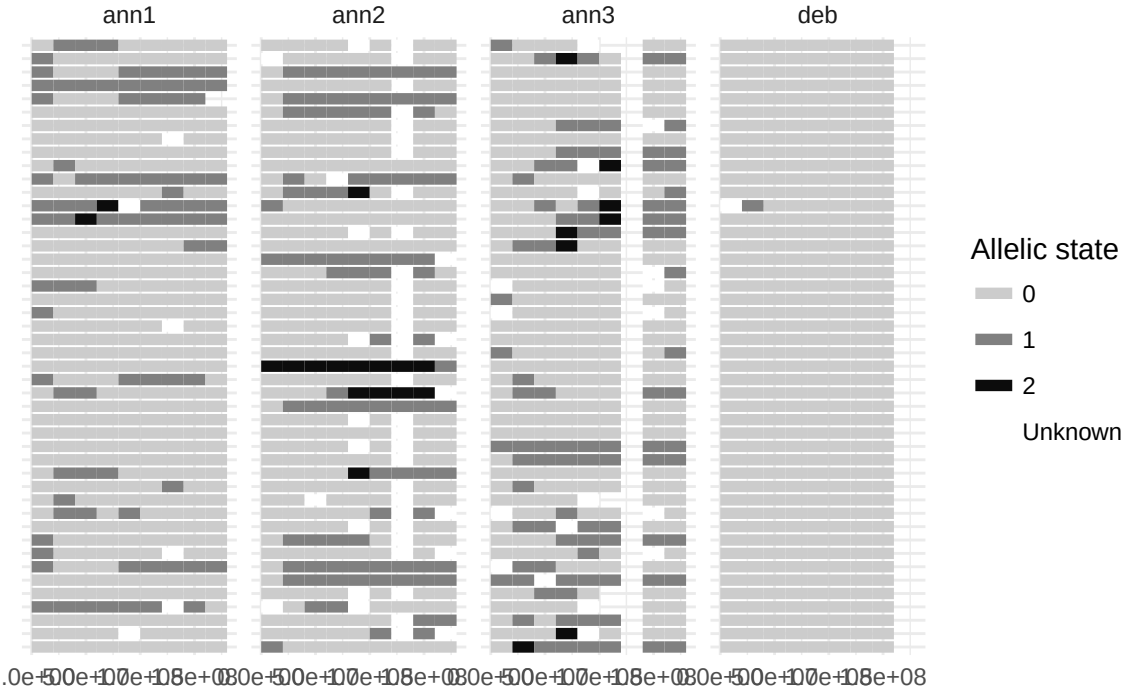

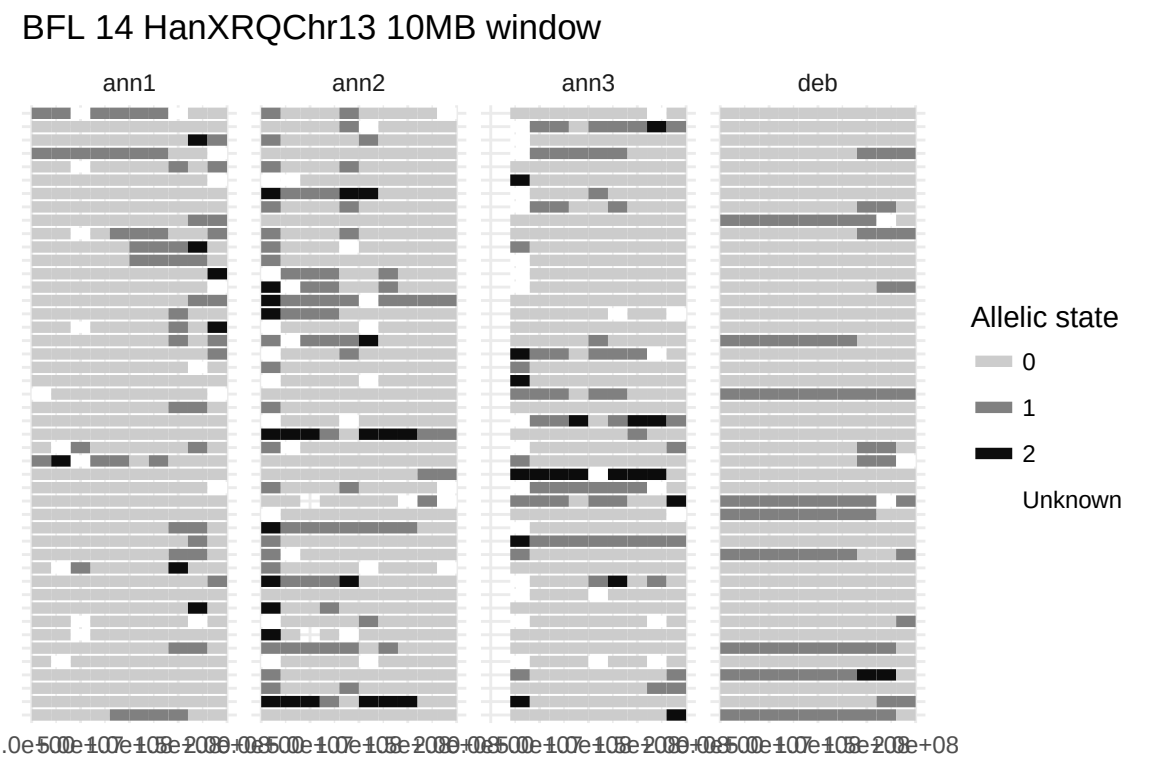
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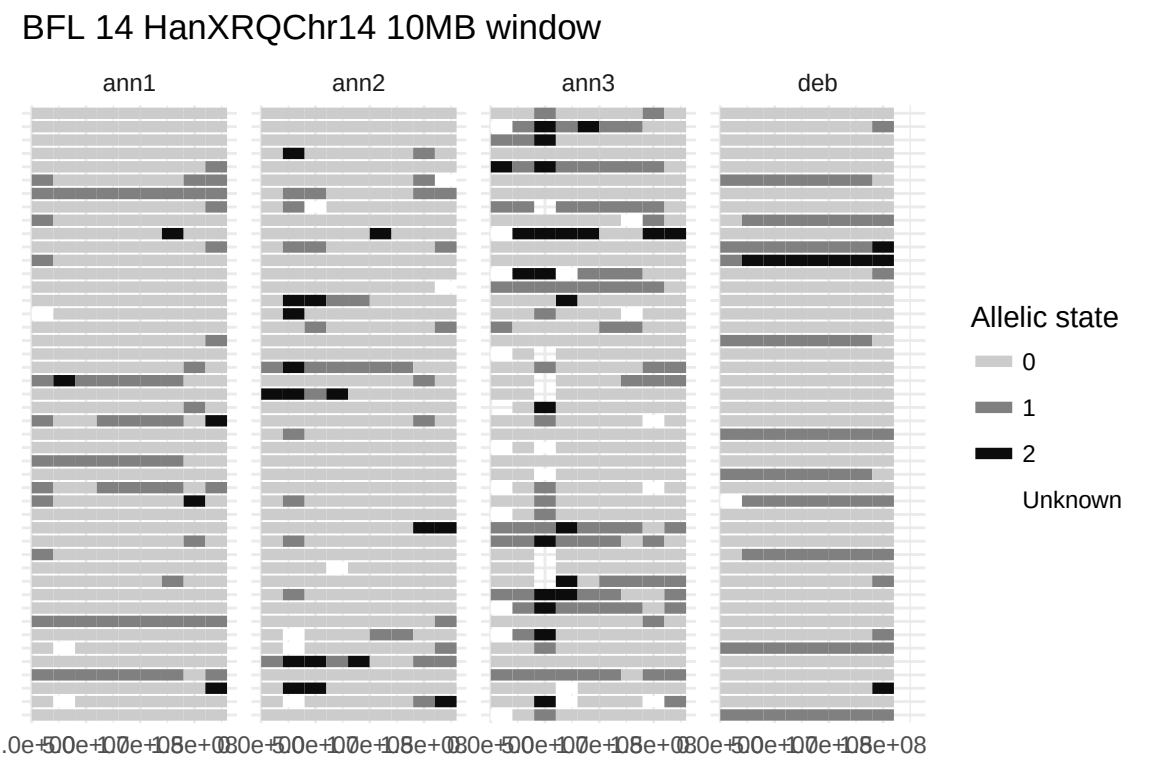
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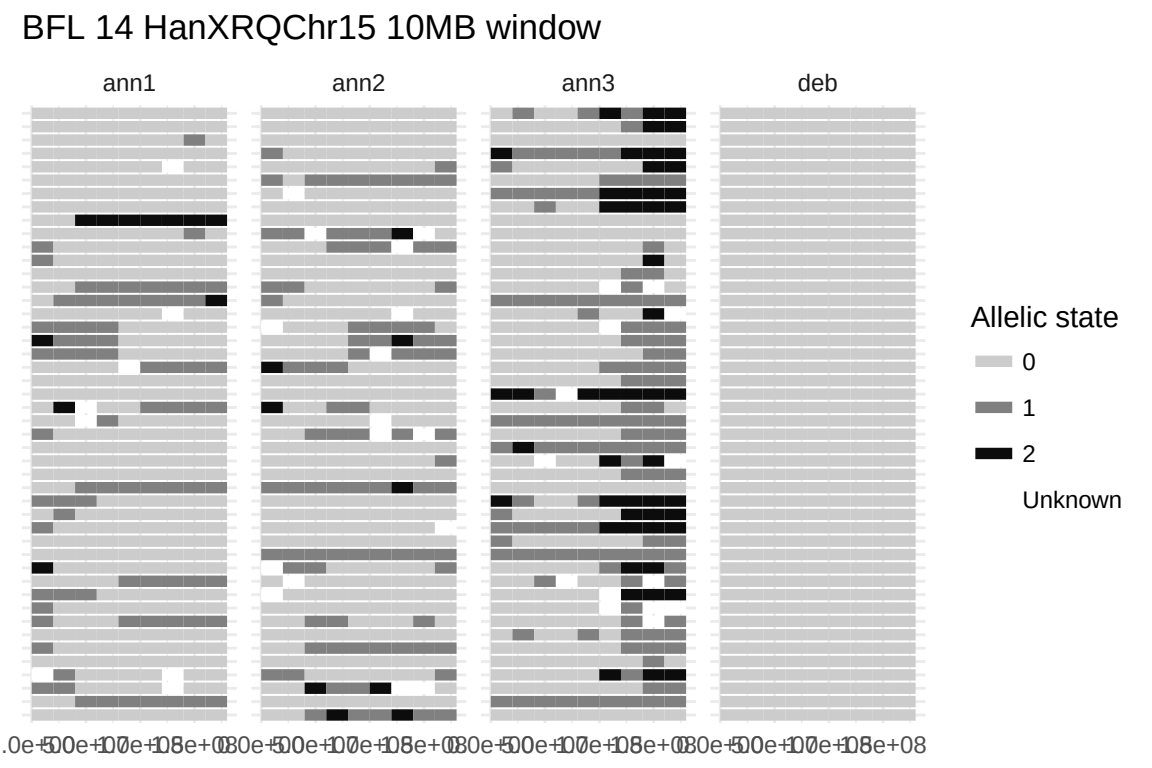
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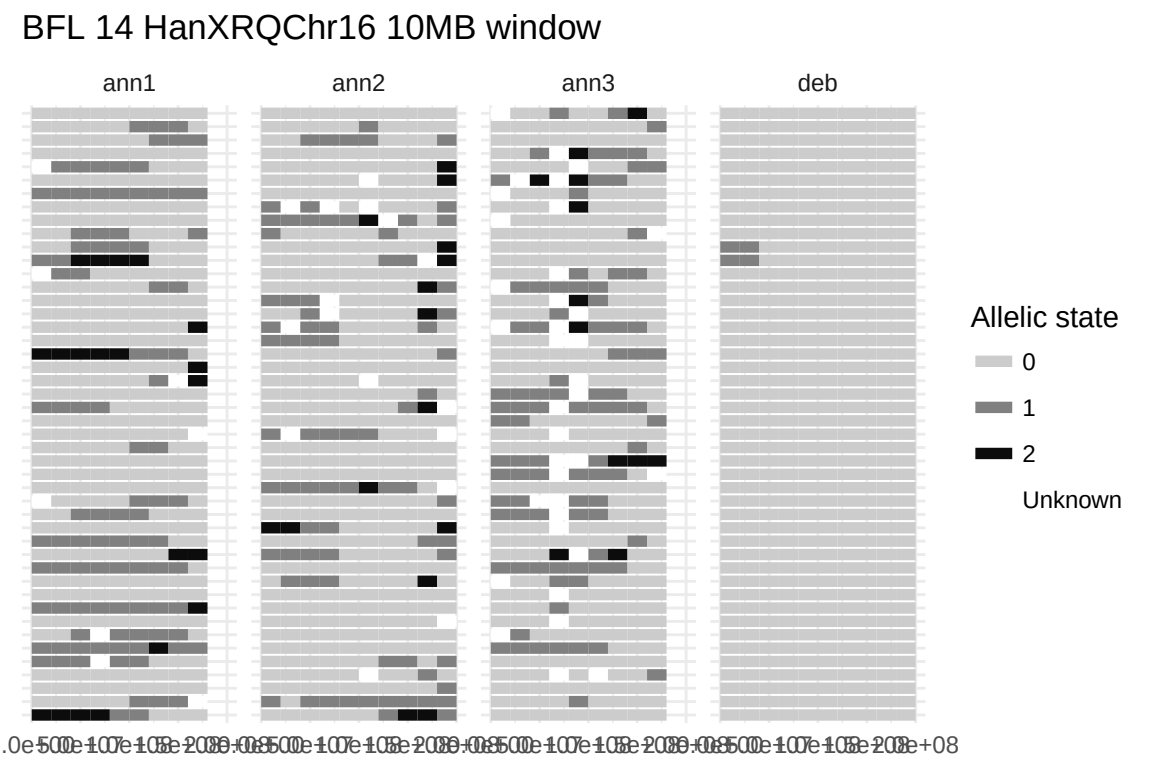
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ann3
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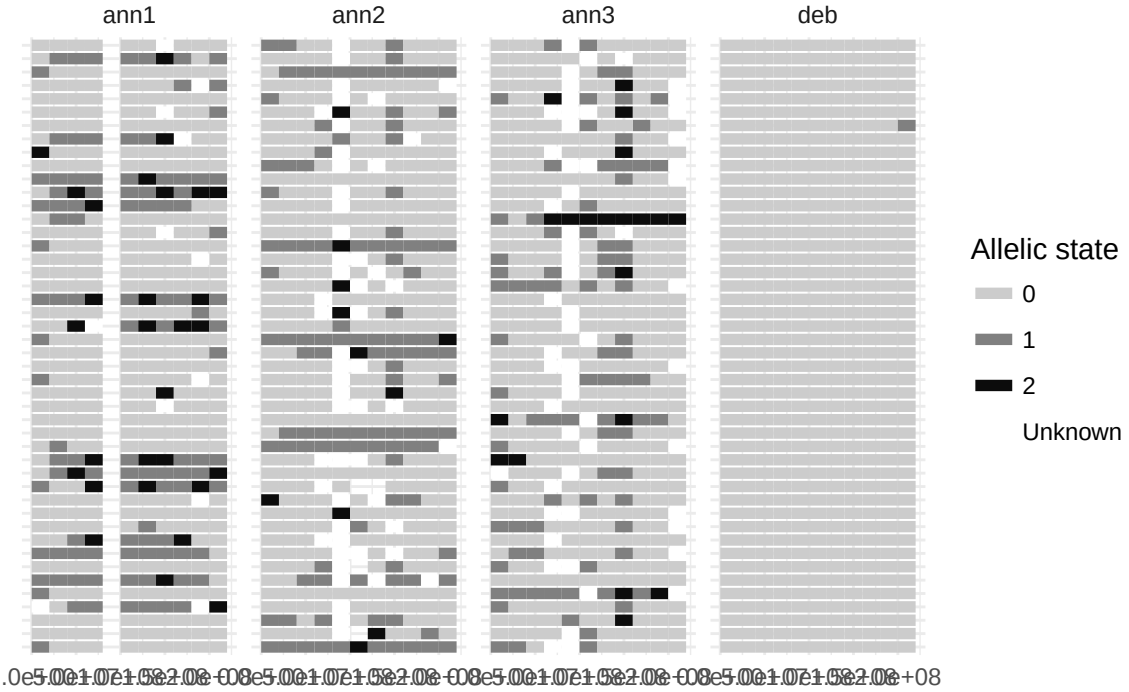
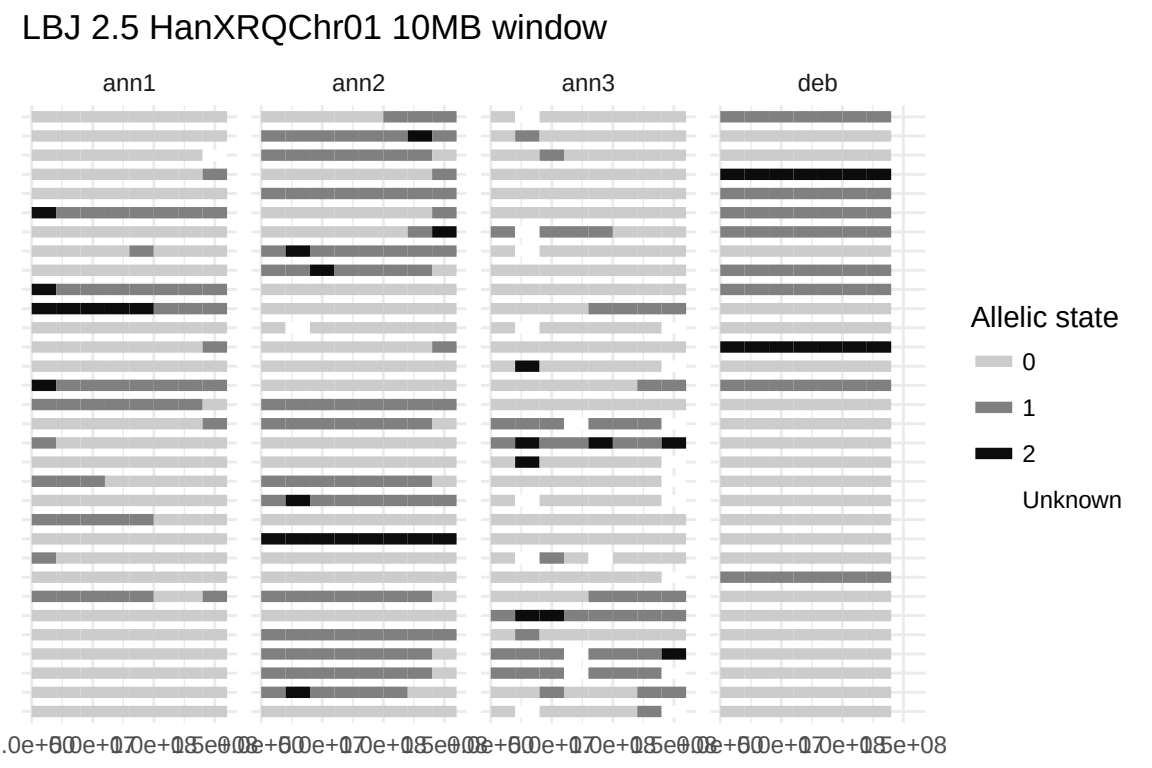
BFL 14 HanXRQChr17 10MB window

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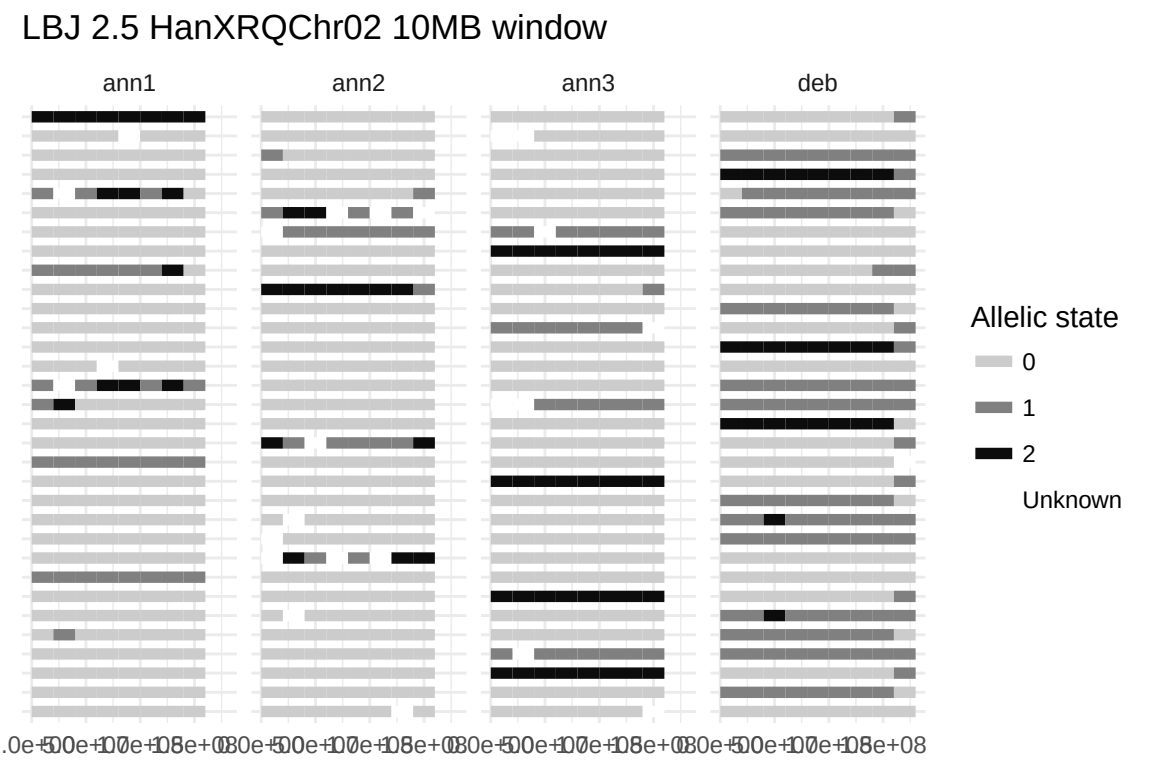
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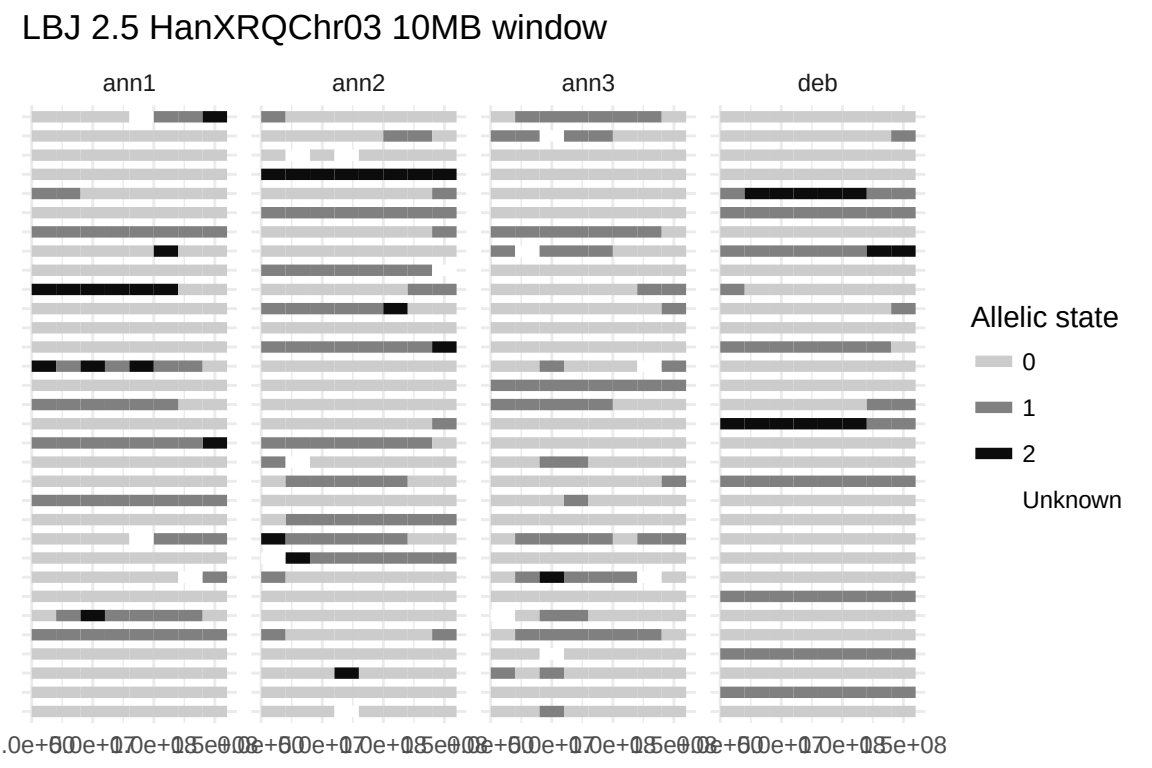
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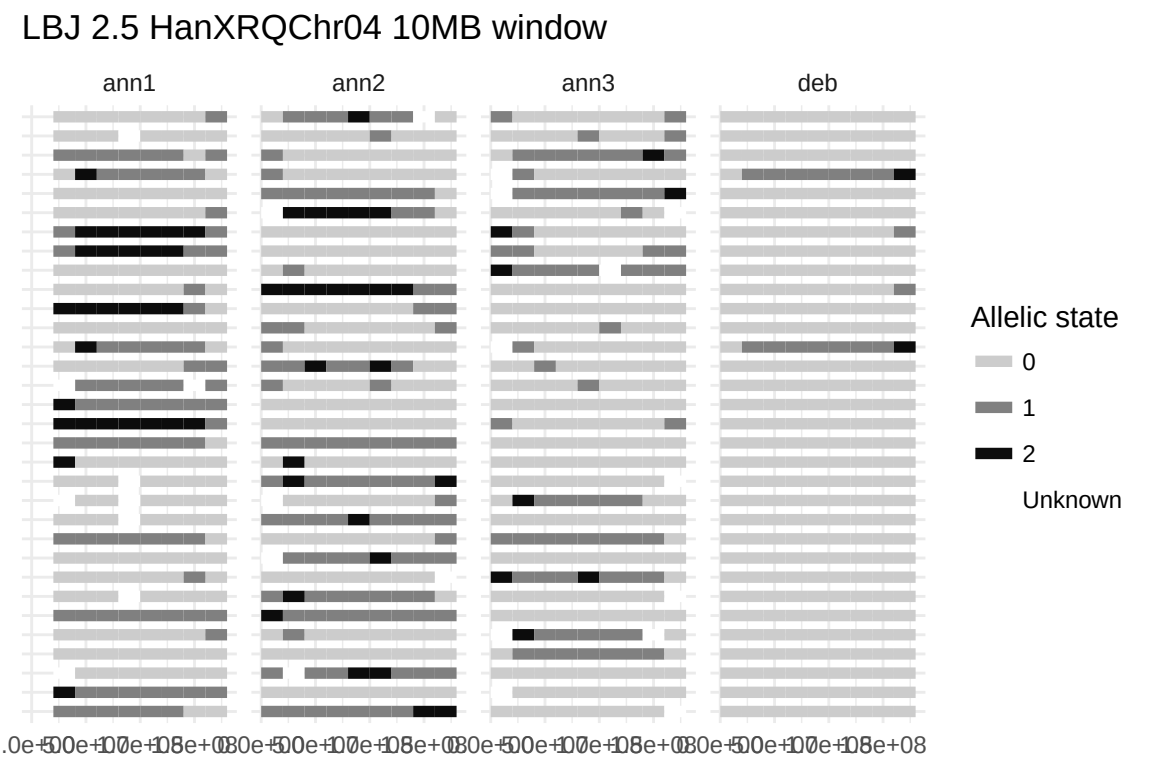
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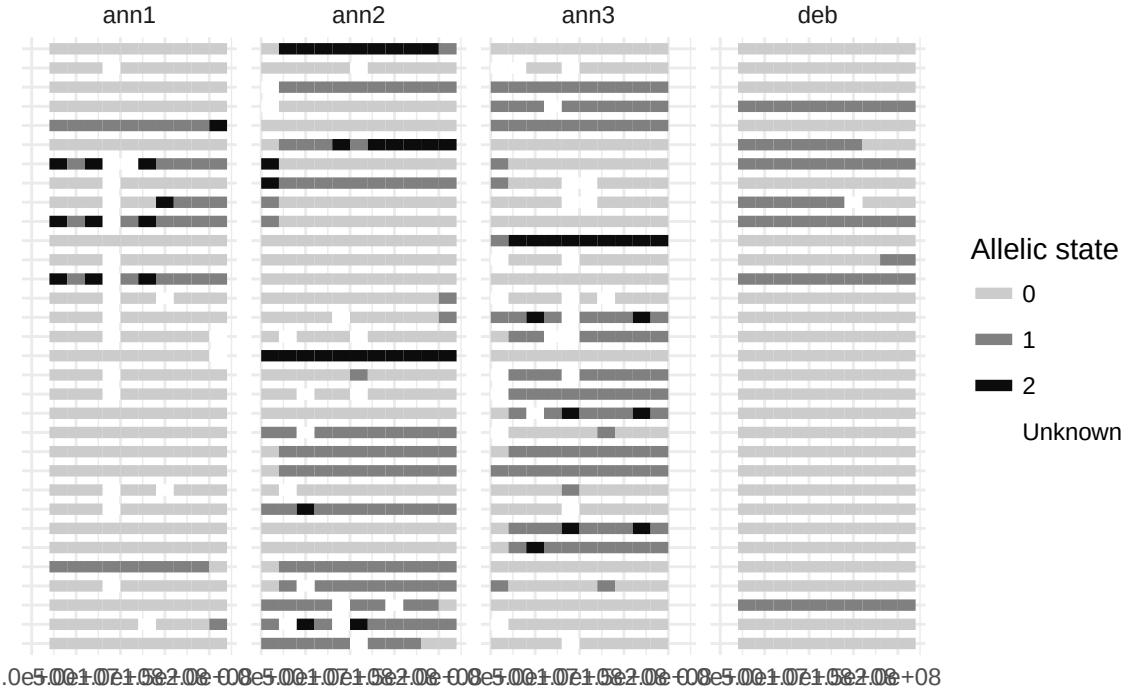
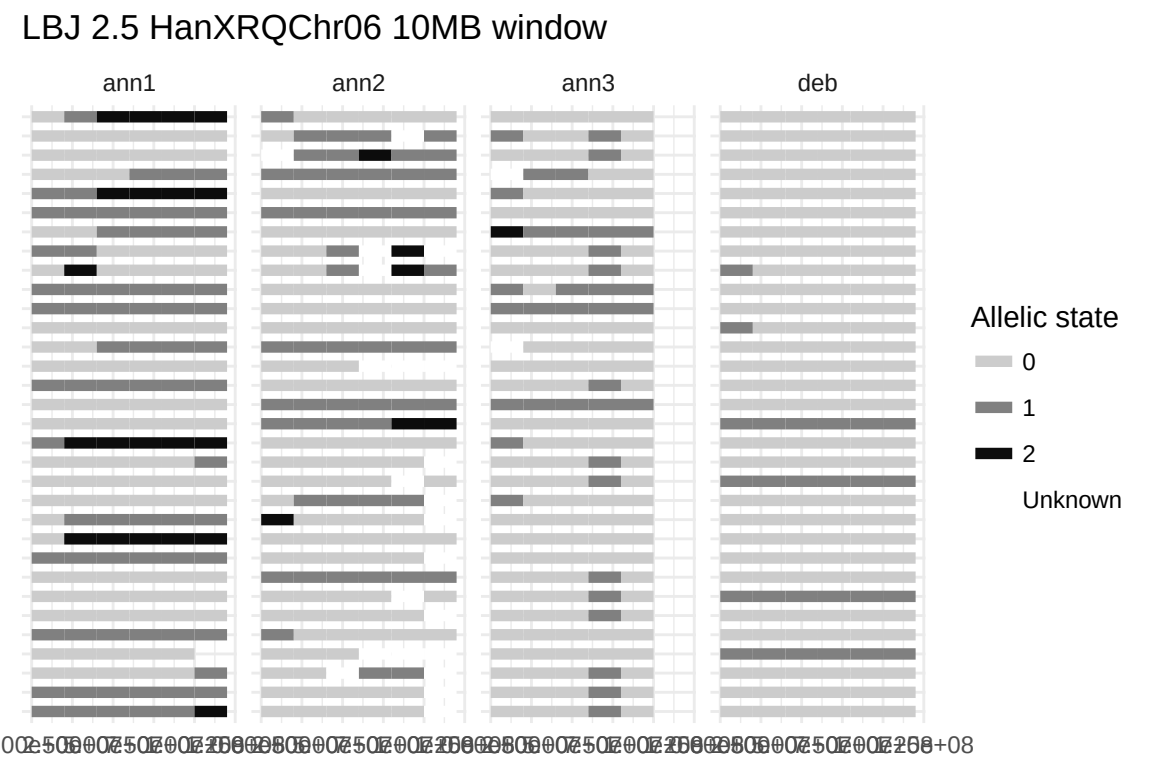
LBJ 2.5 HanXRQChr05 10MB window

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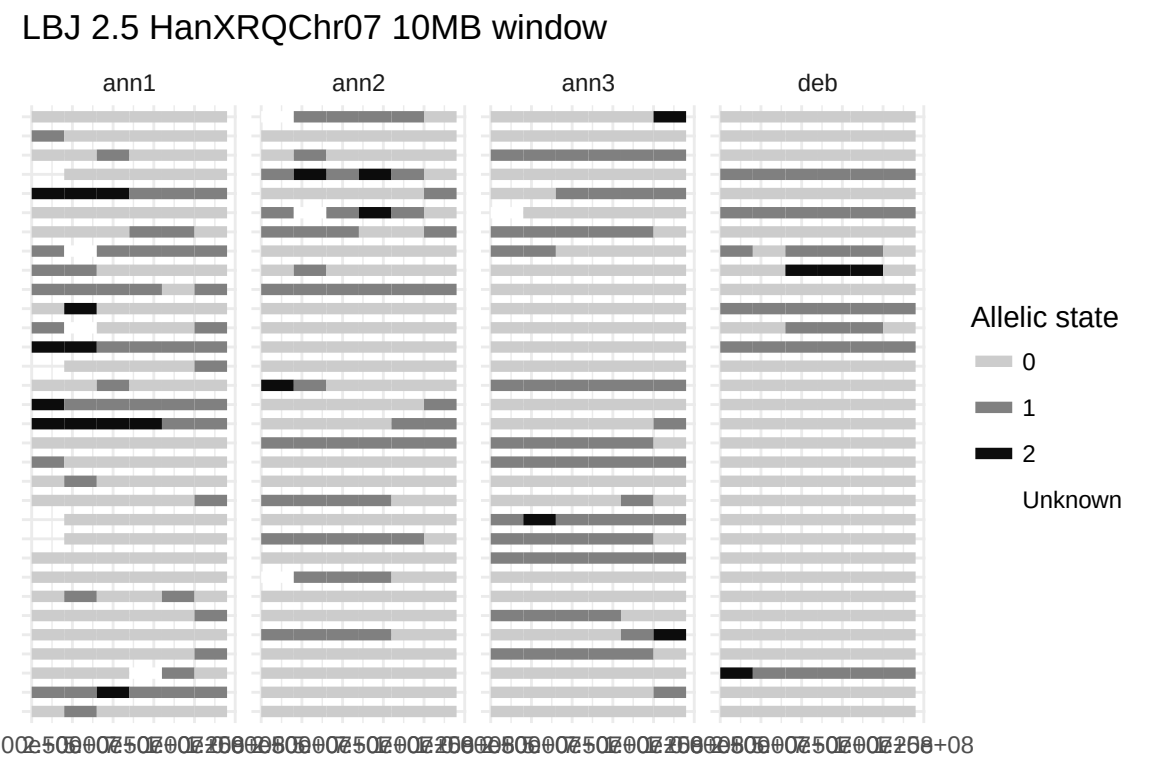
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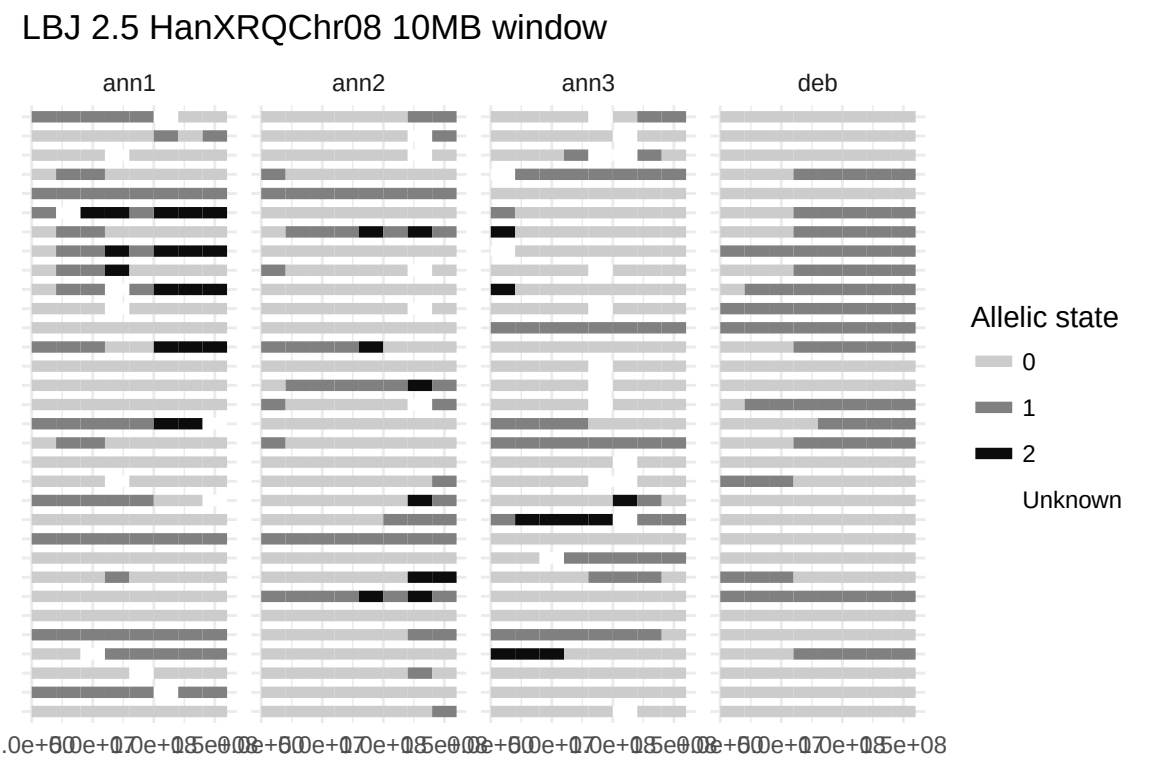
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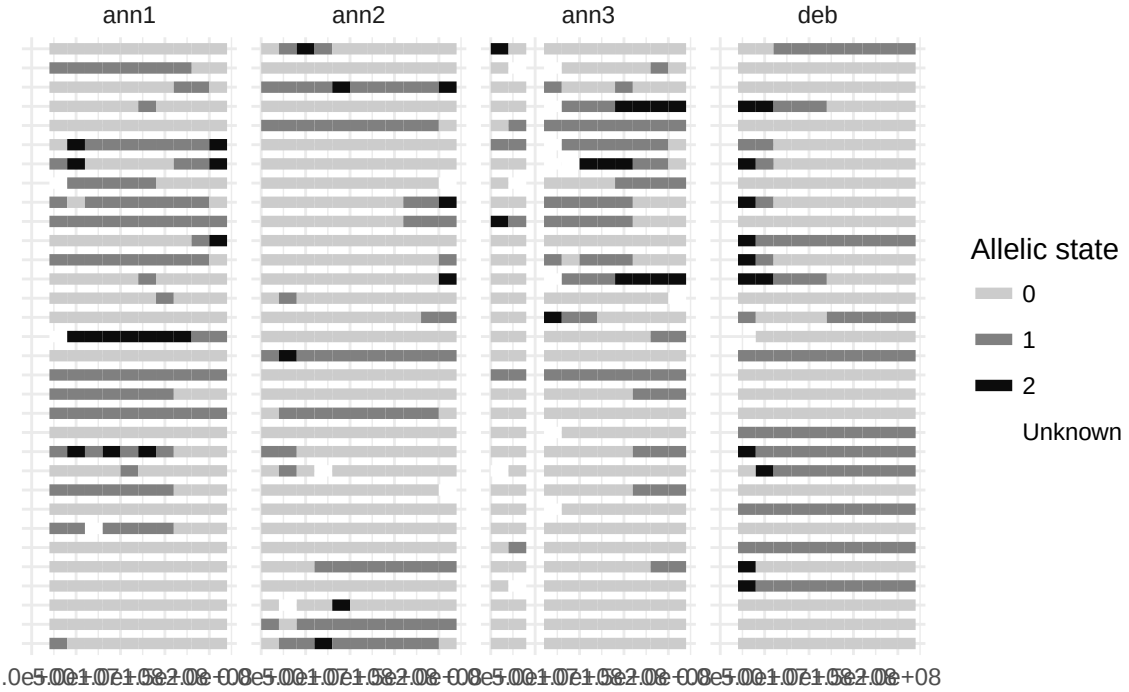

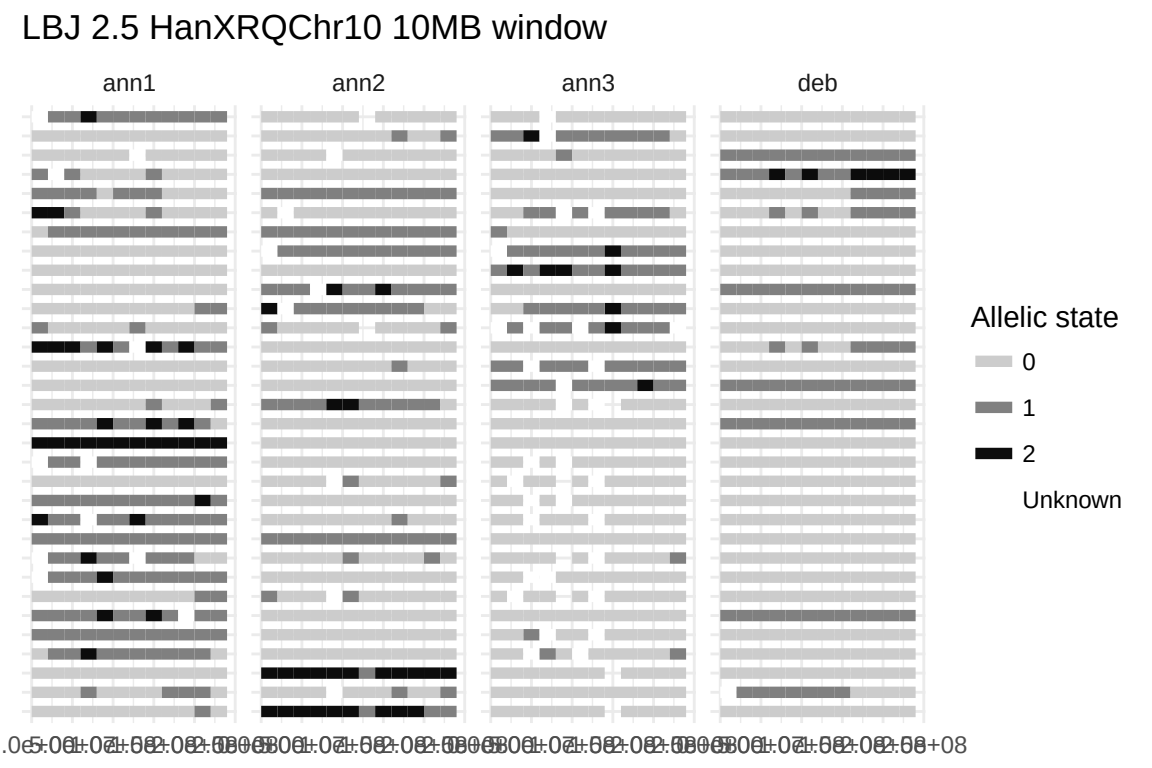
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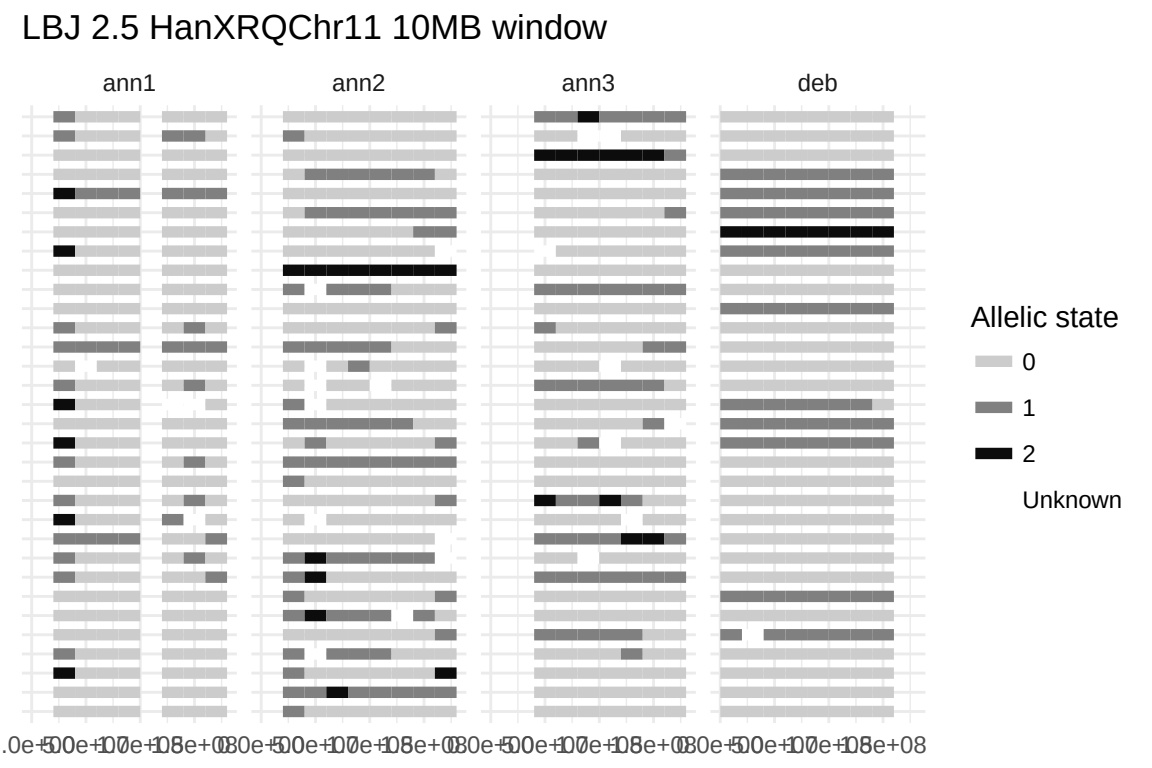
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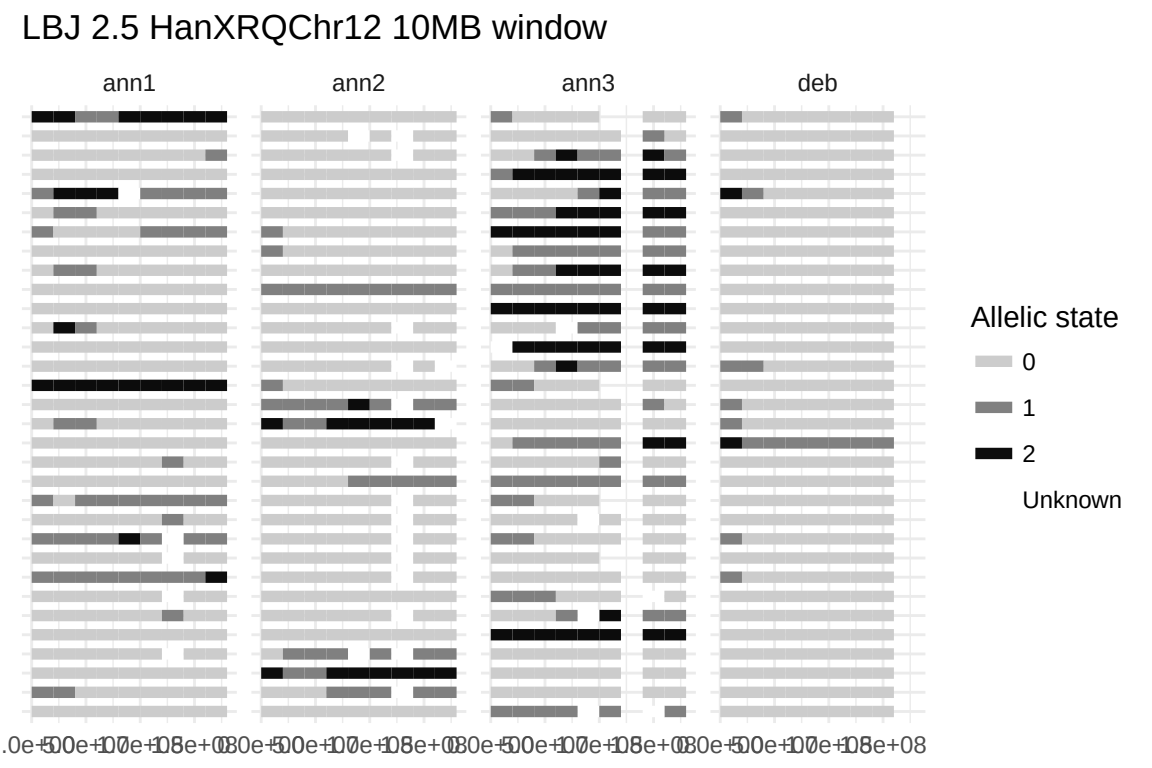
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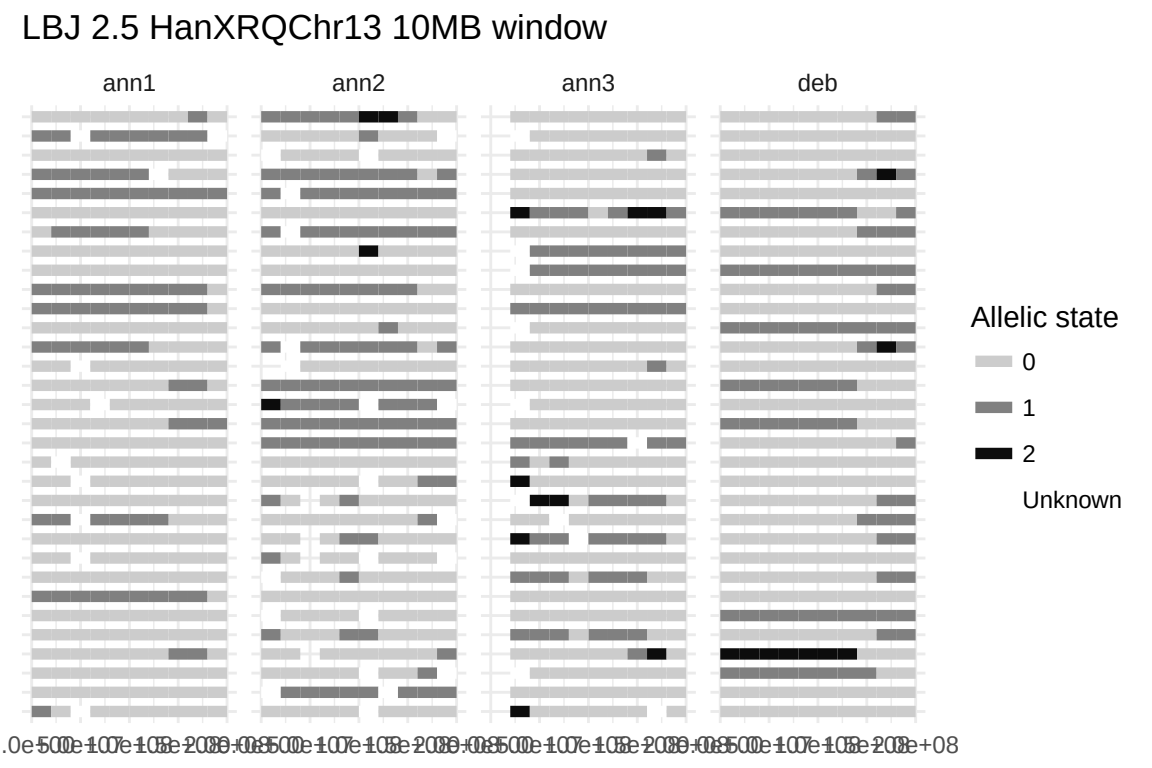
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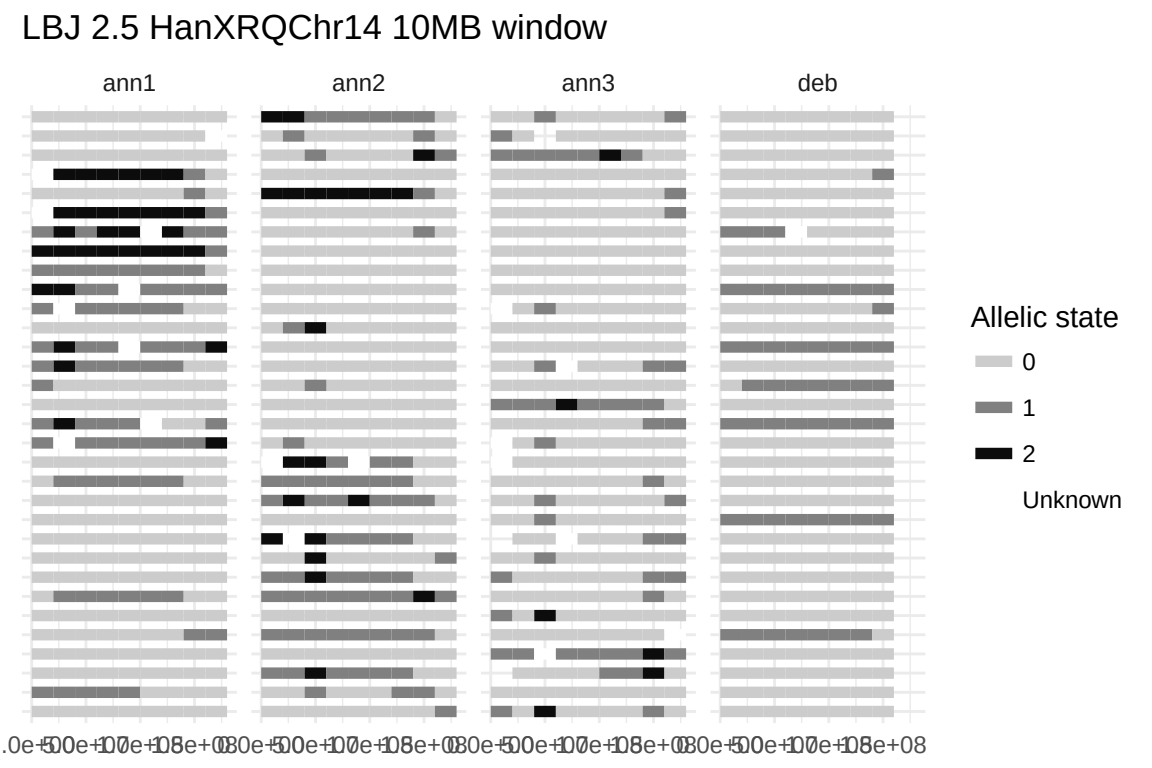
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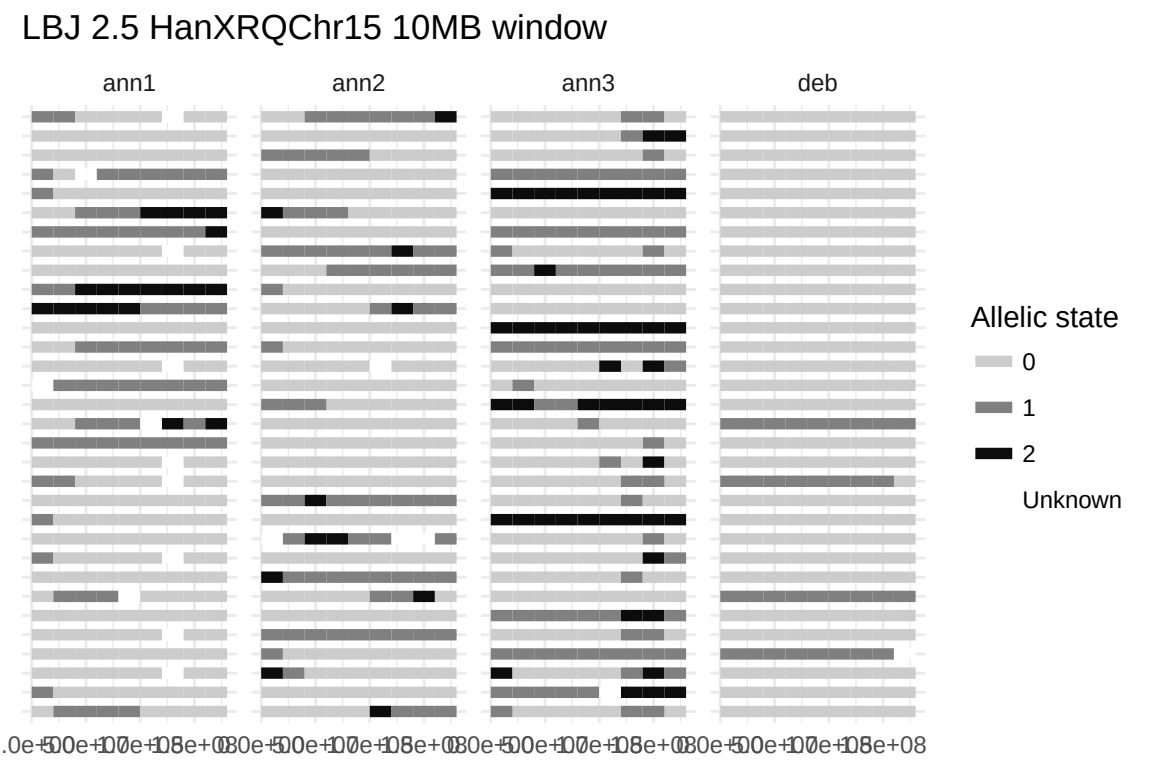
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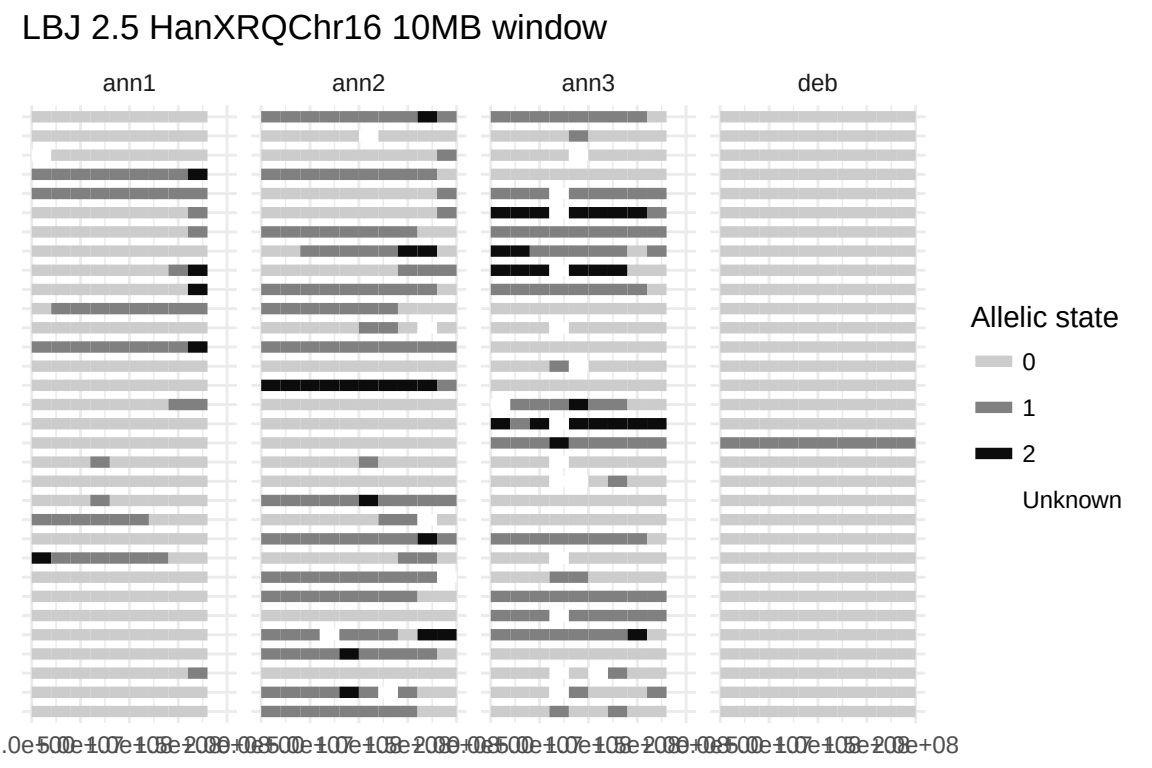
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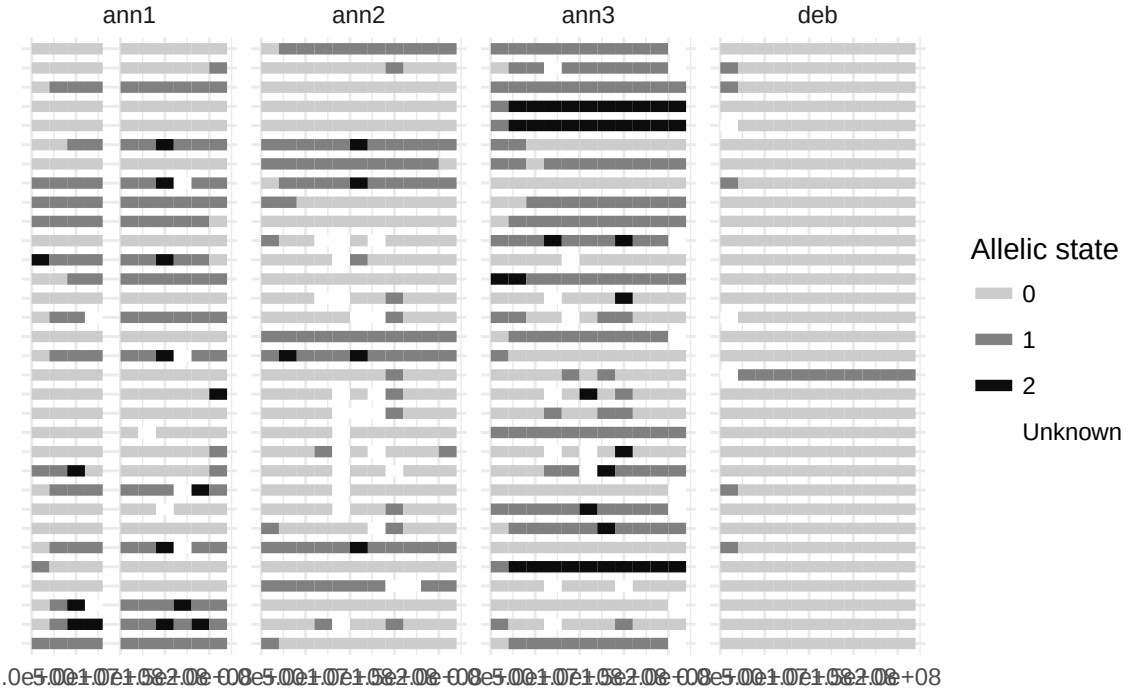

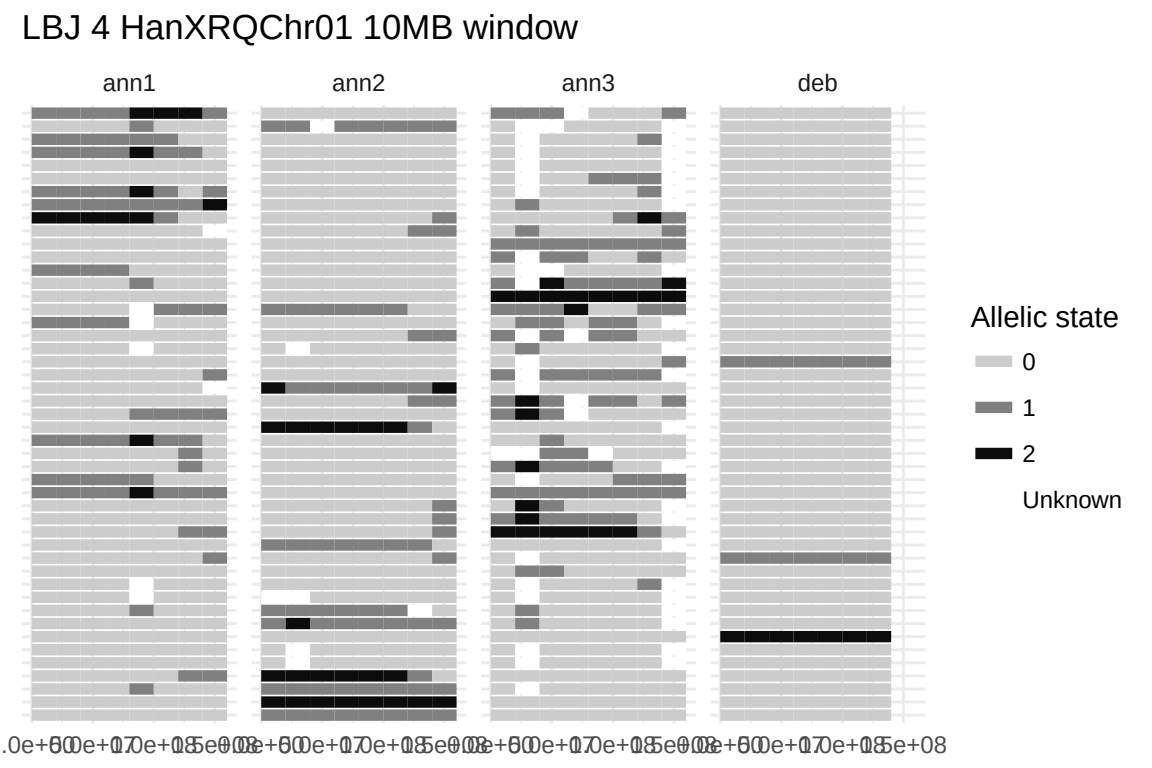
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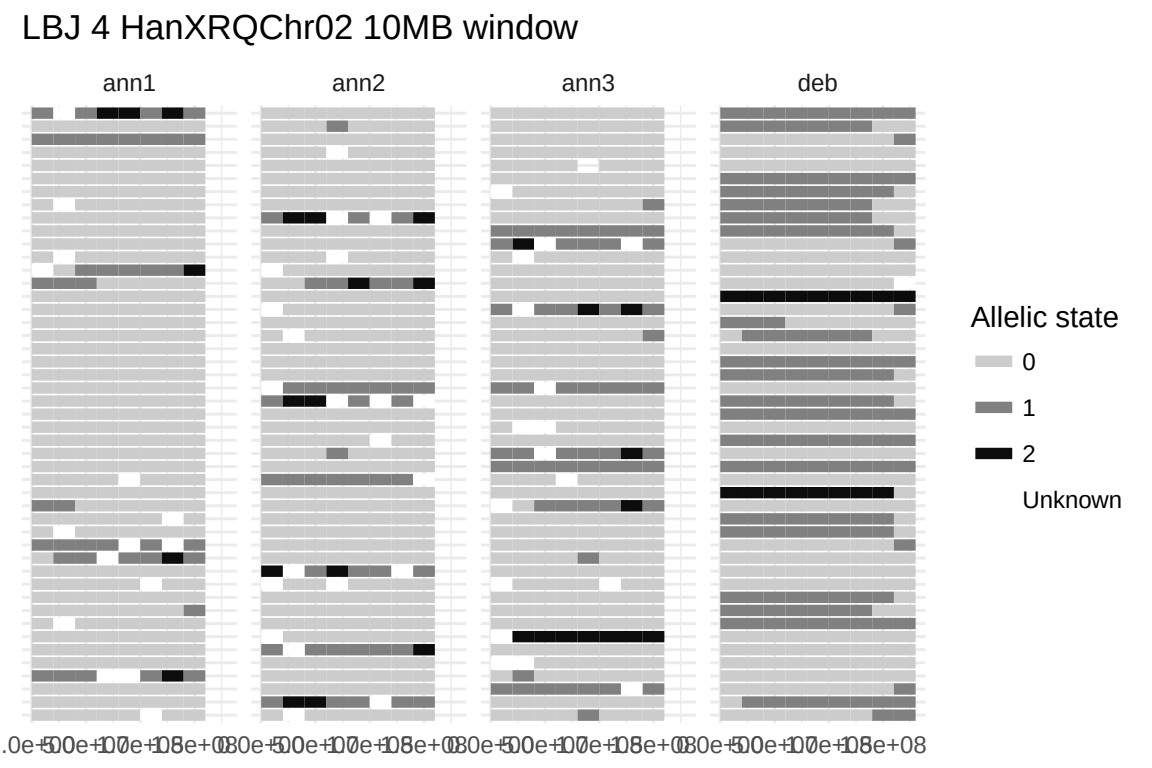
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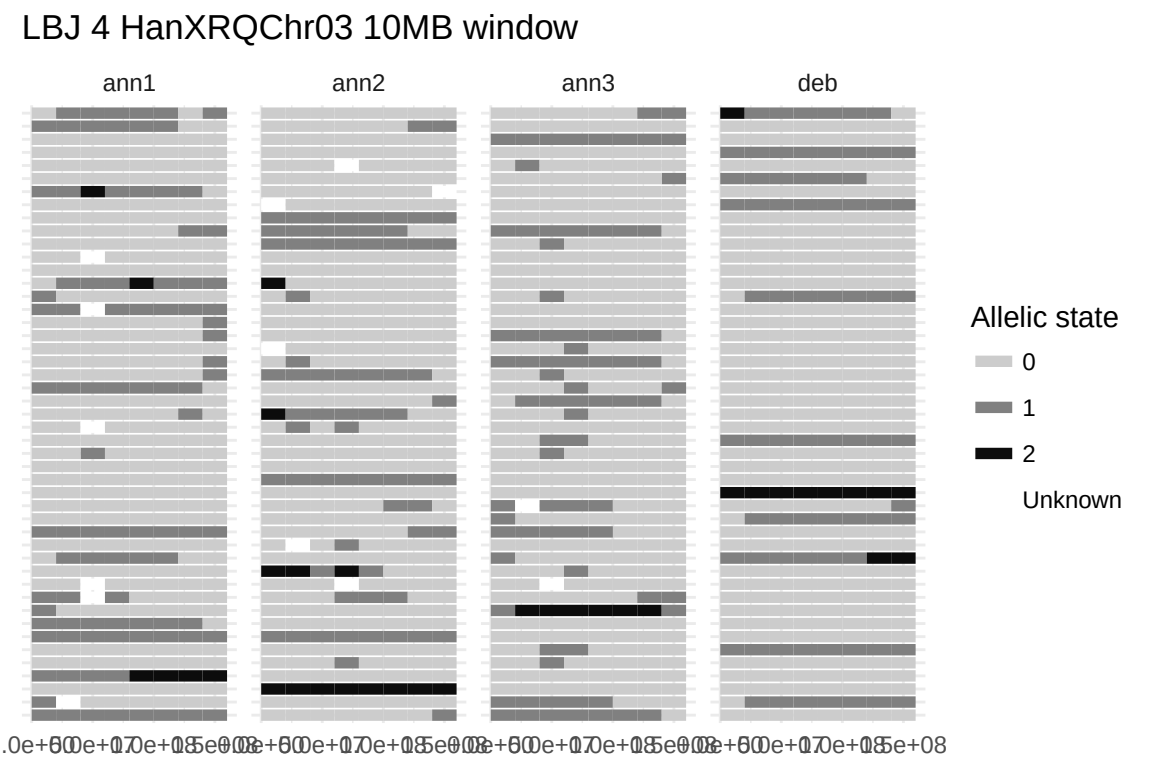
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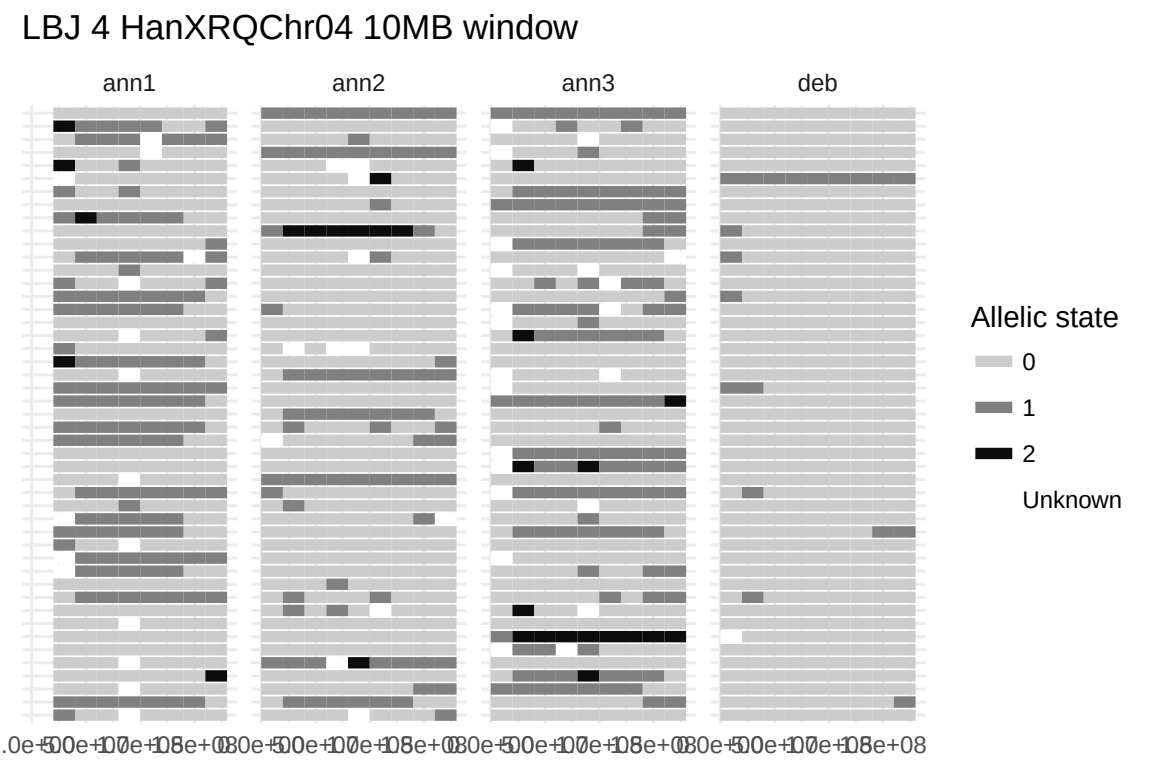
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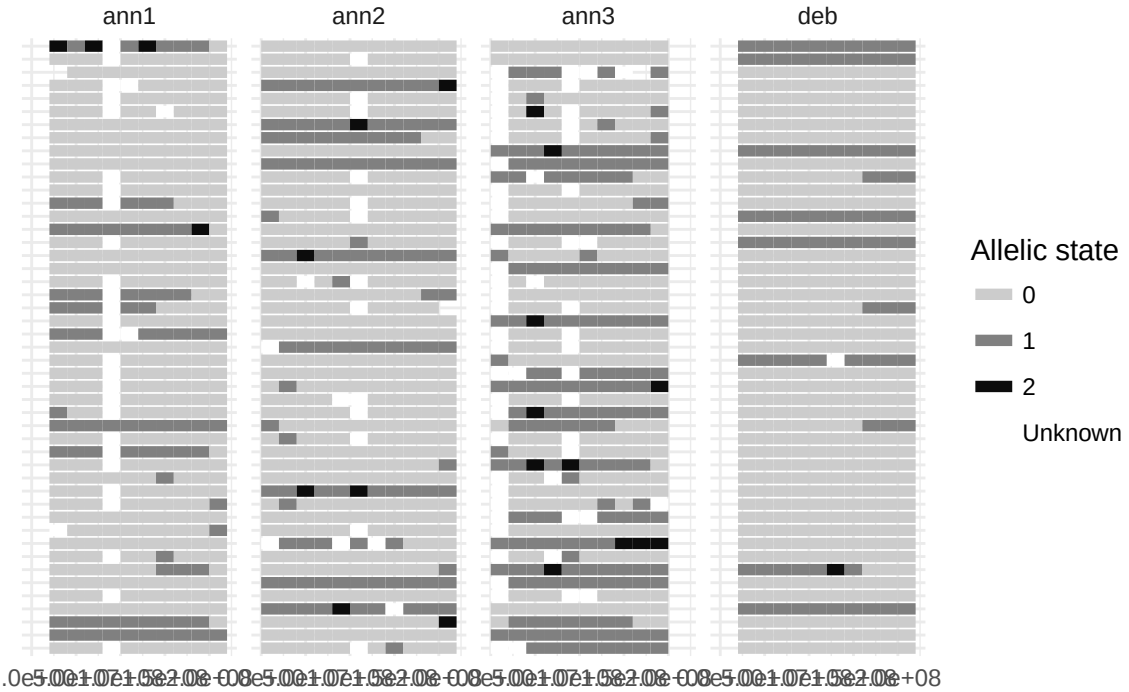

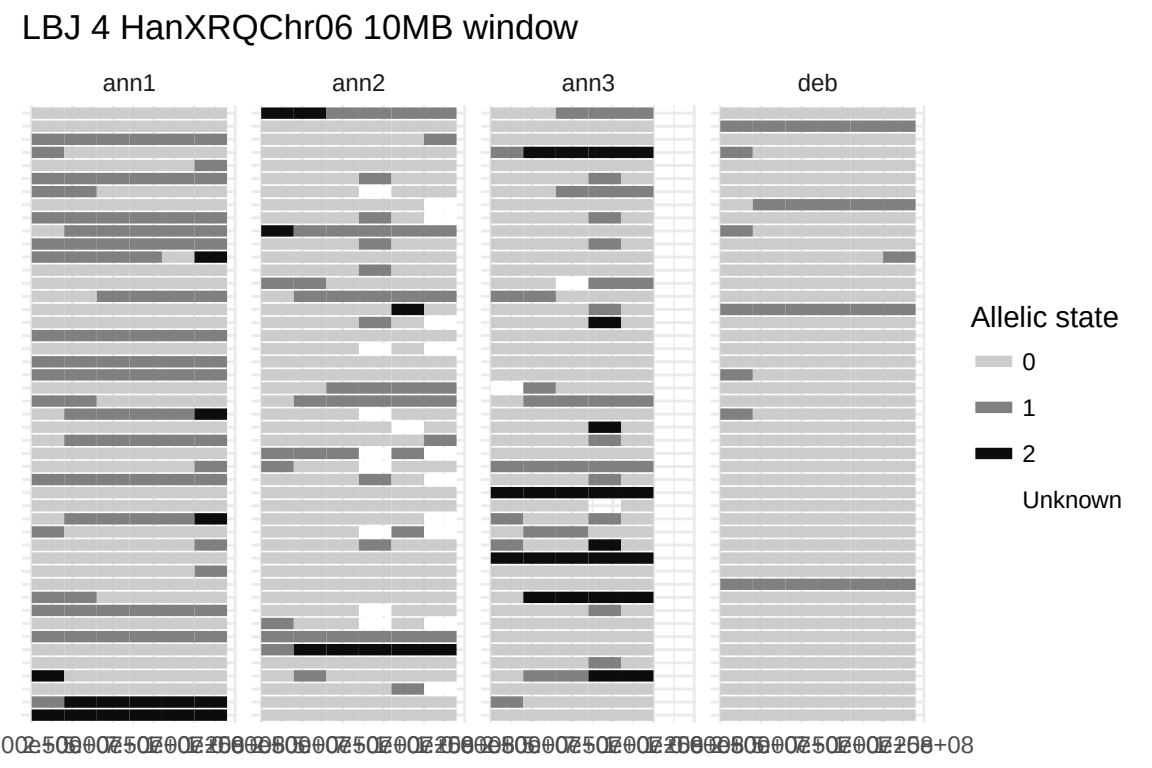
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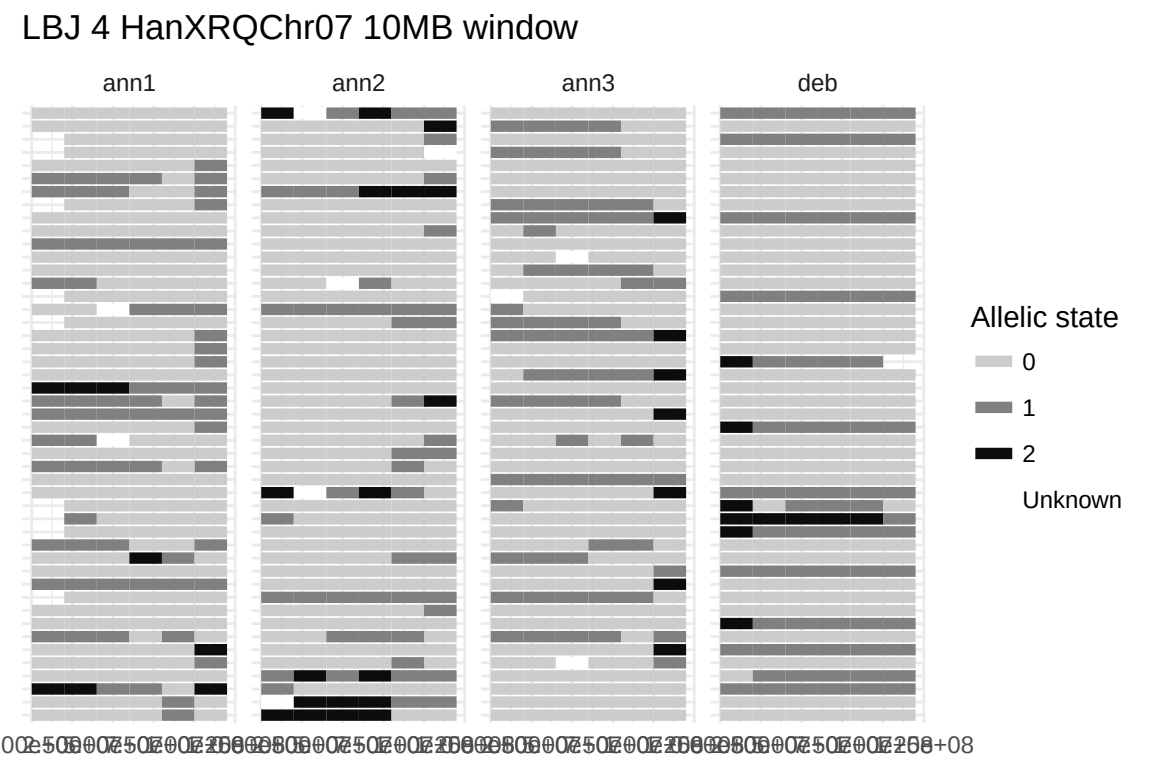
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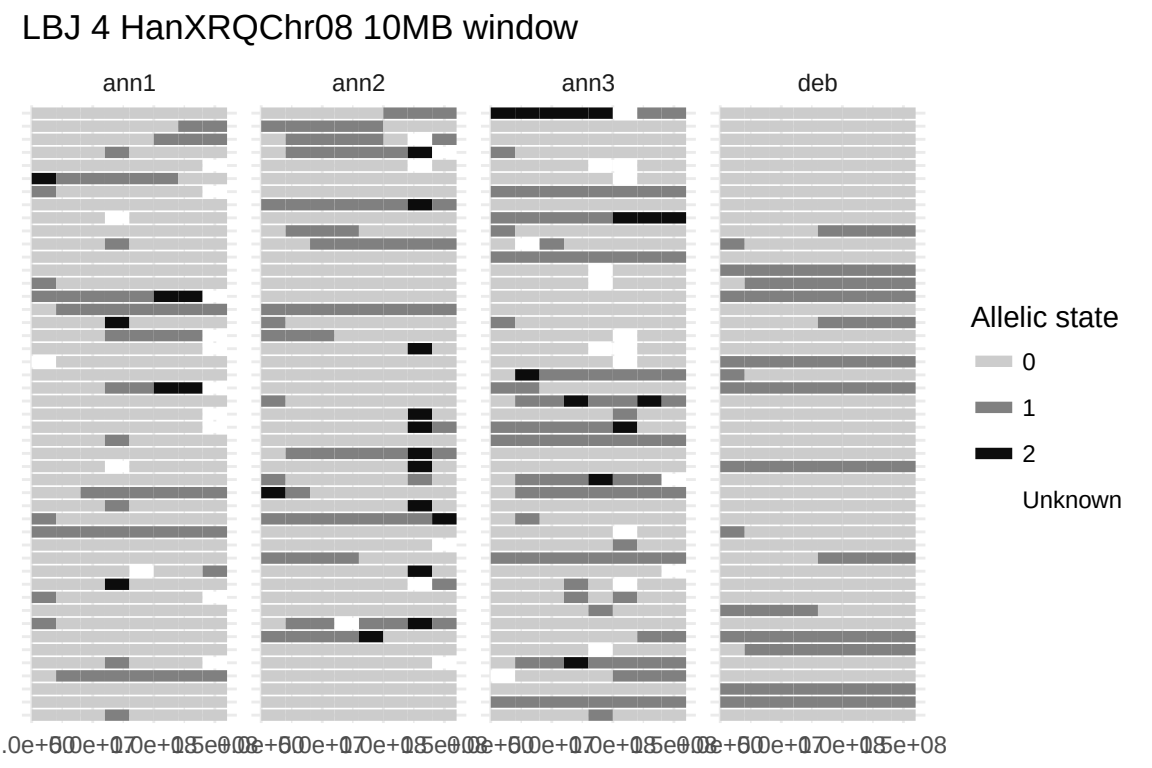
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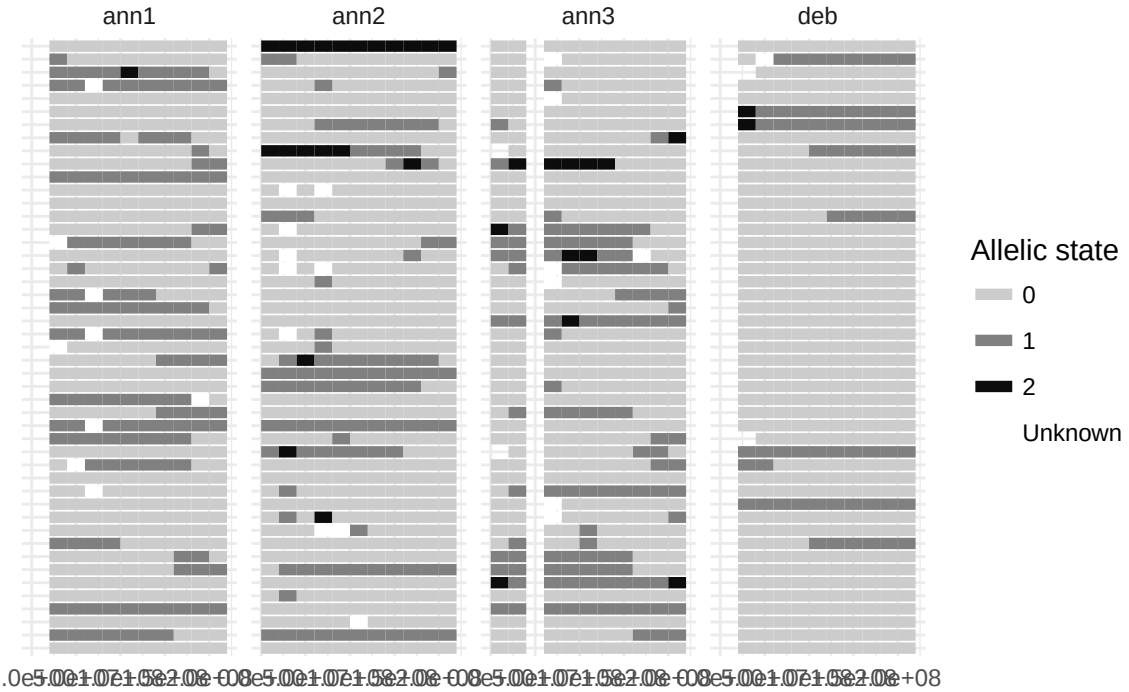

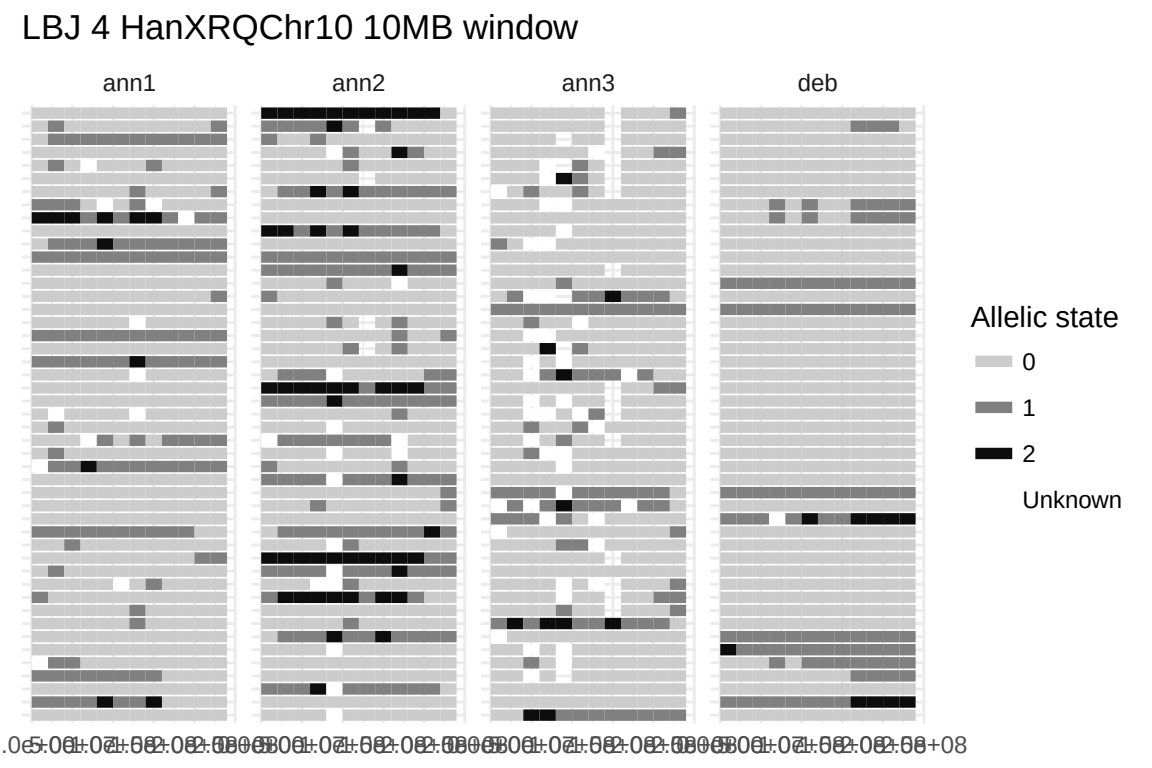
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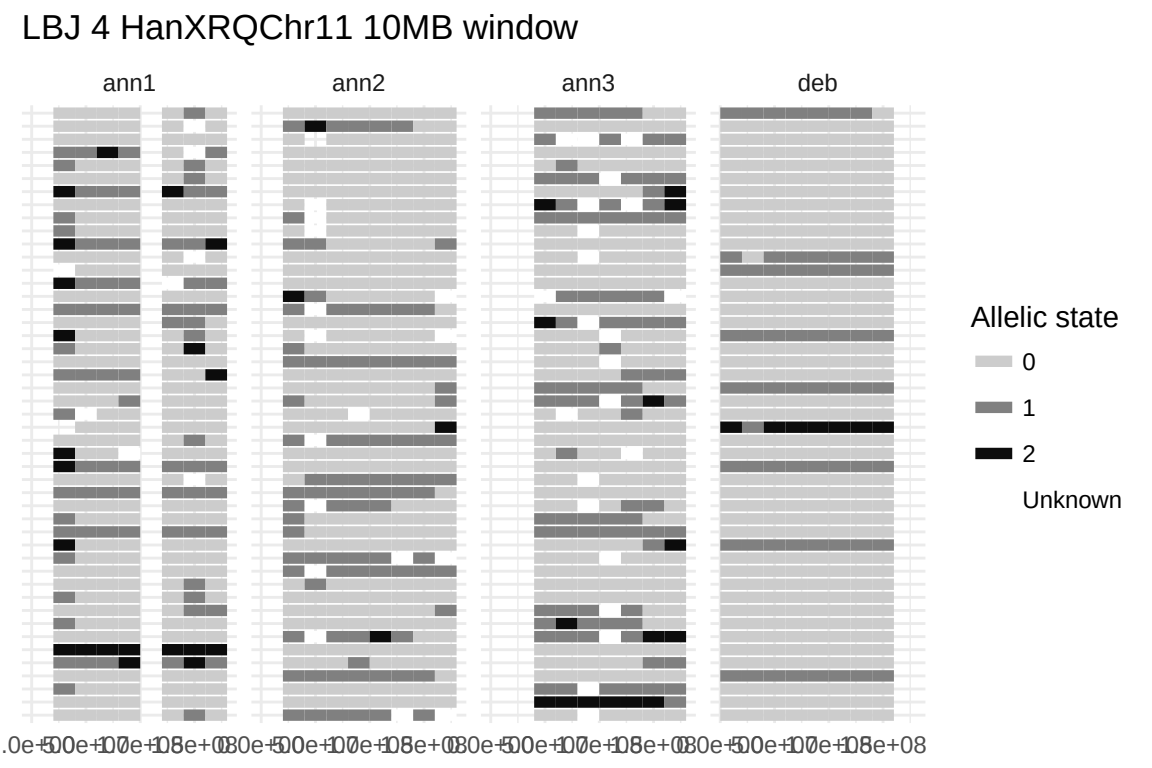
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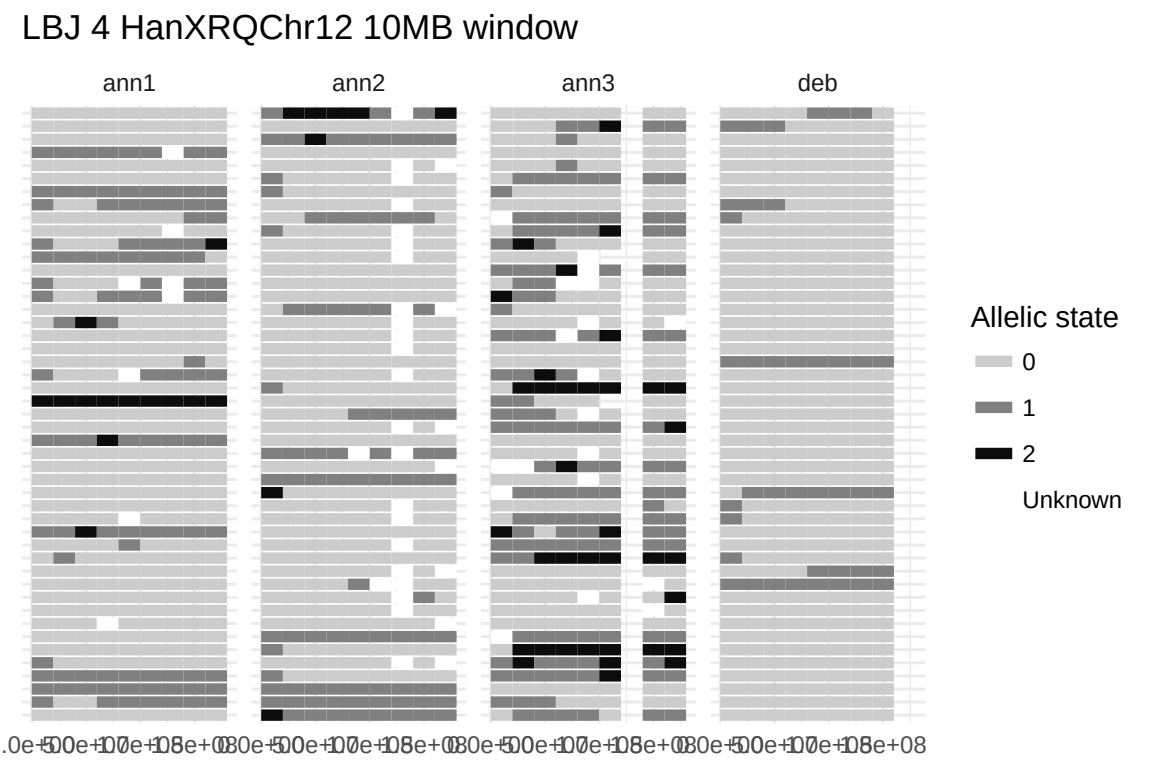
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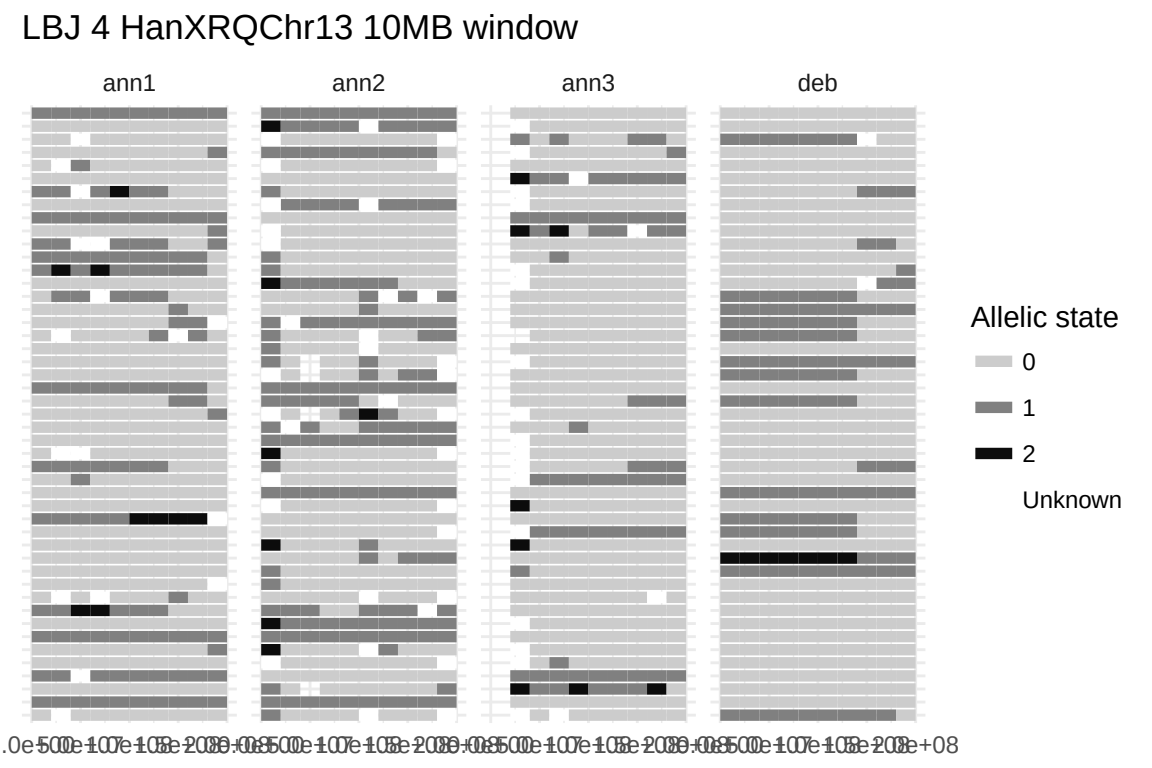
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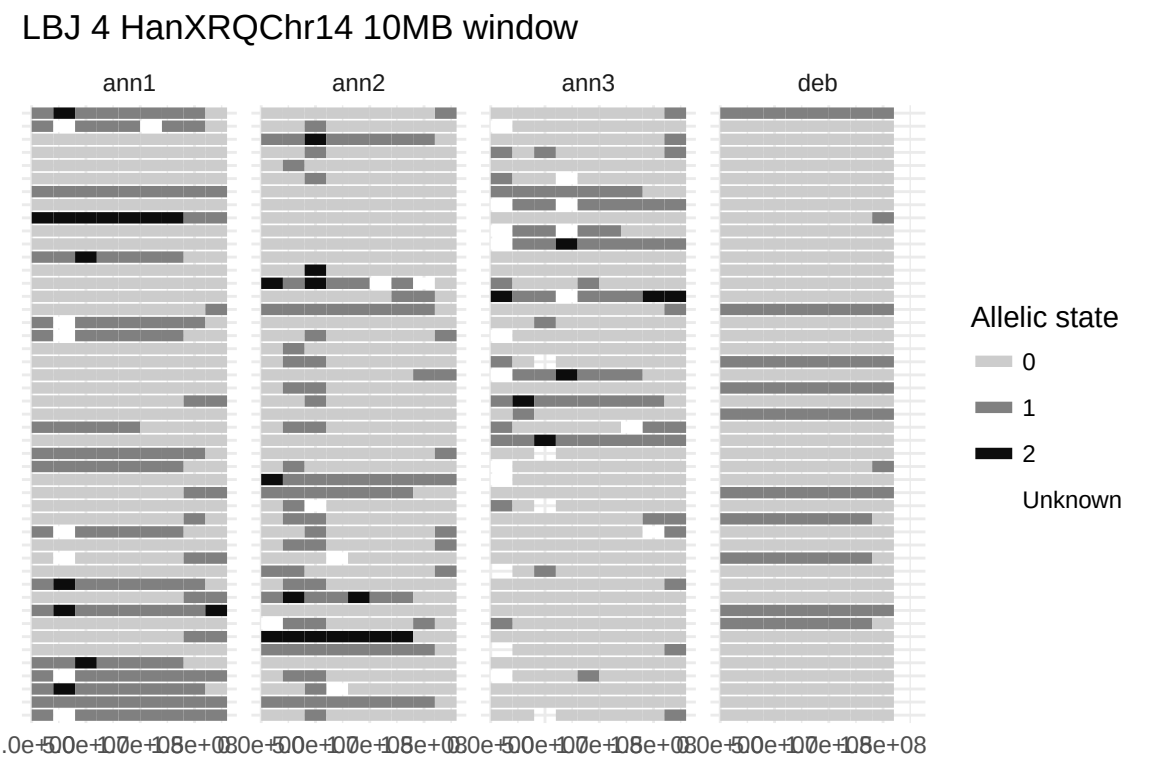
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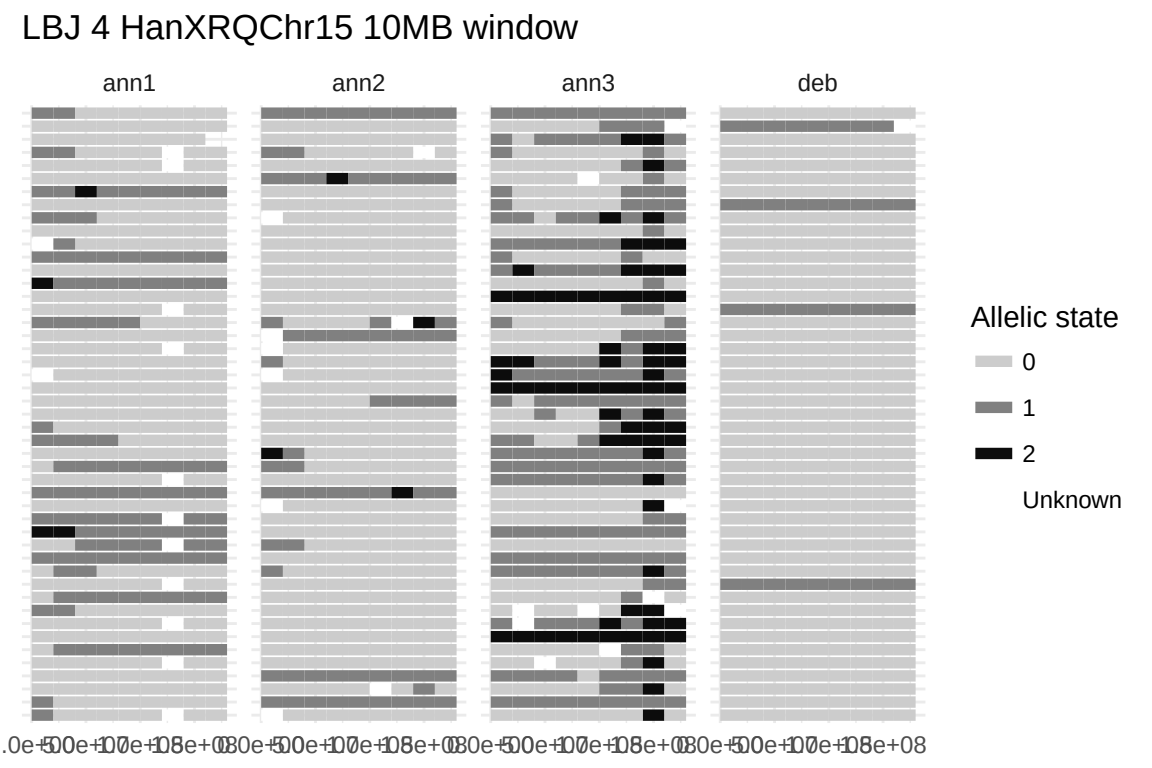
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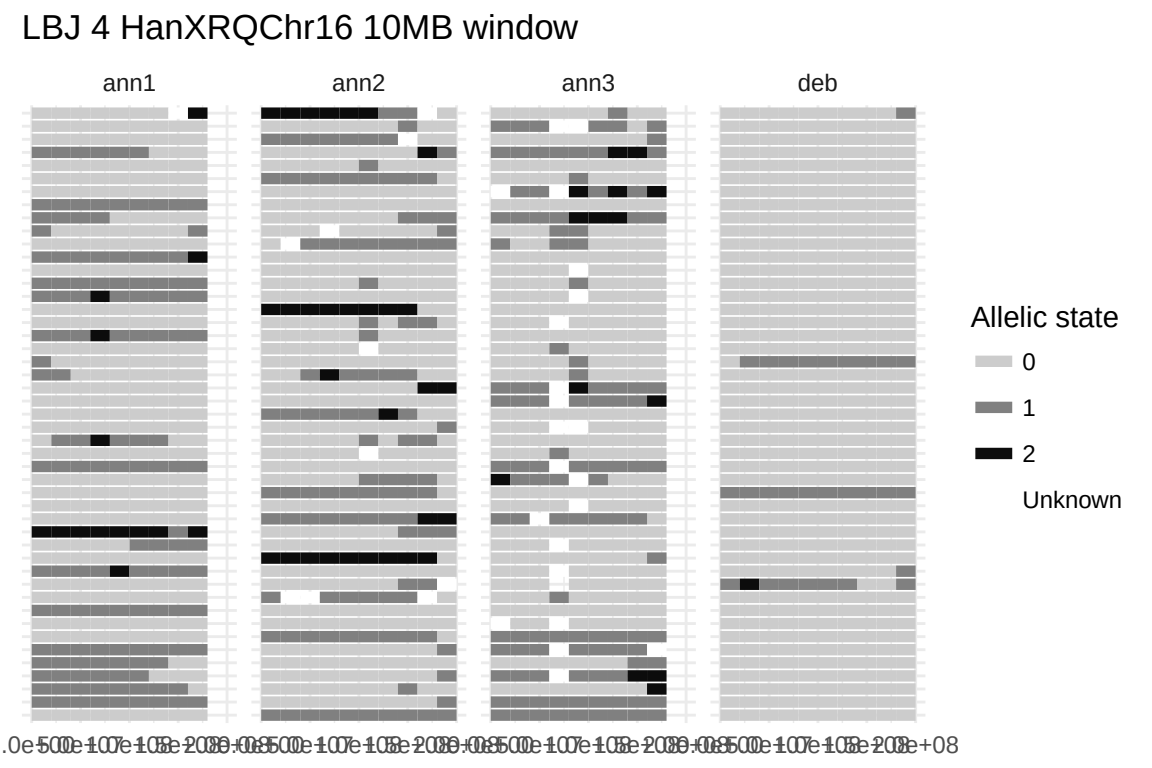
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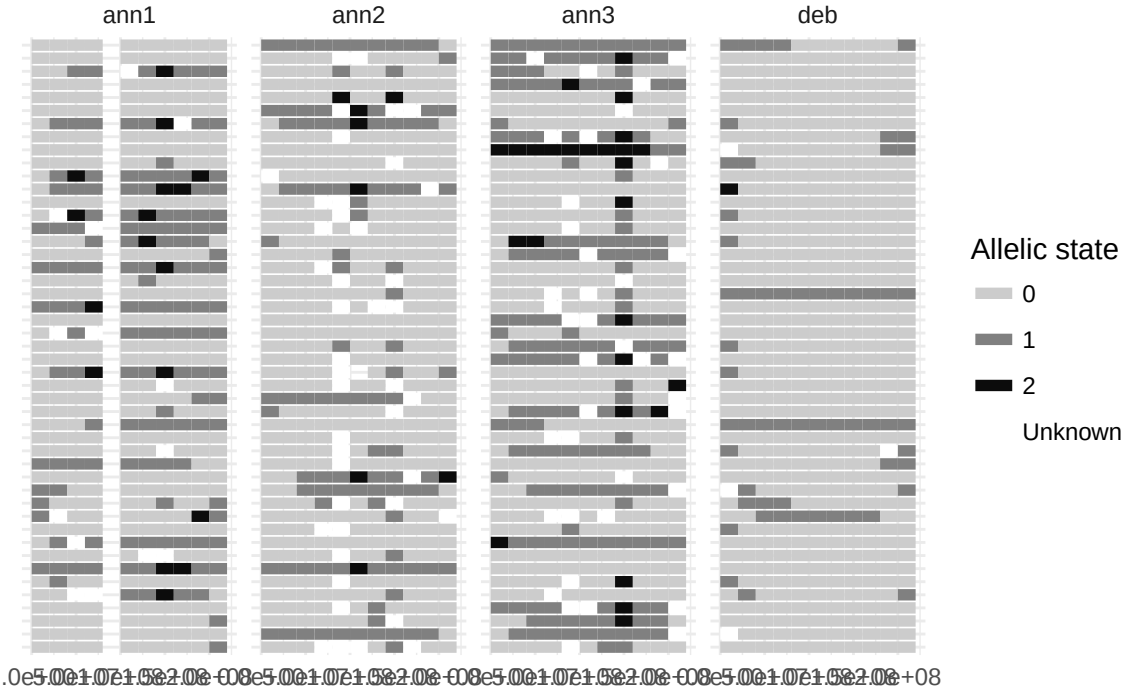

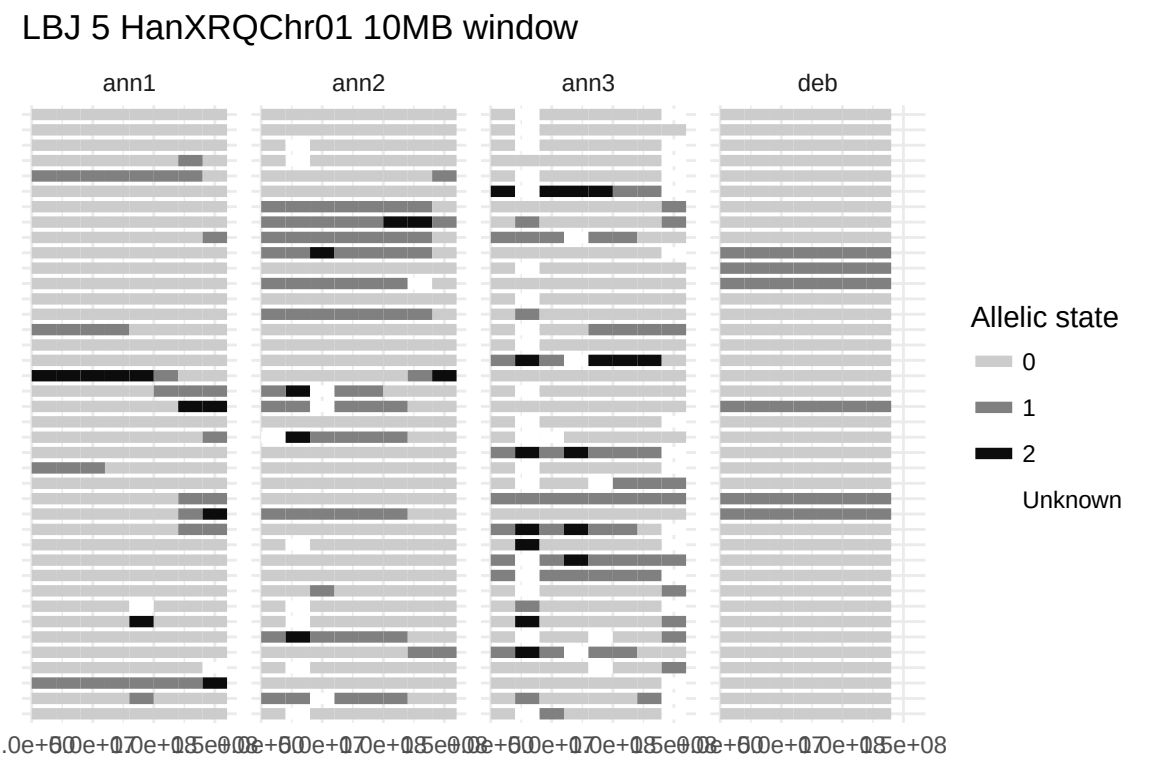
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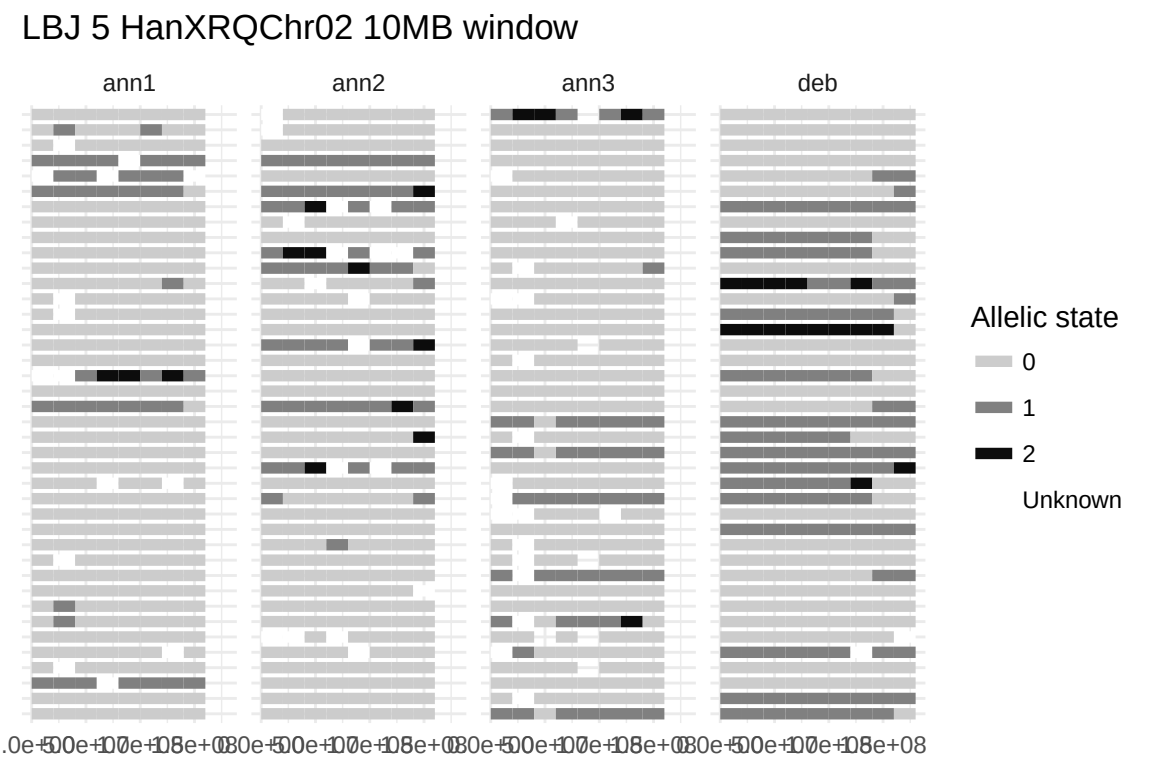
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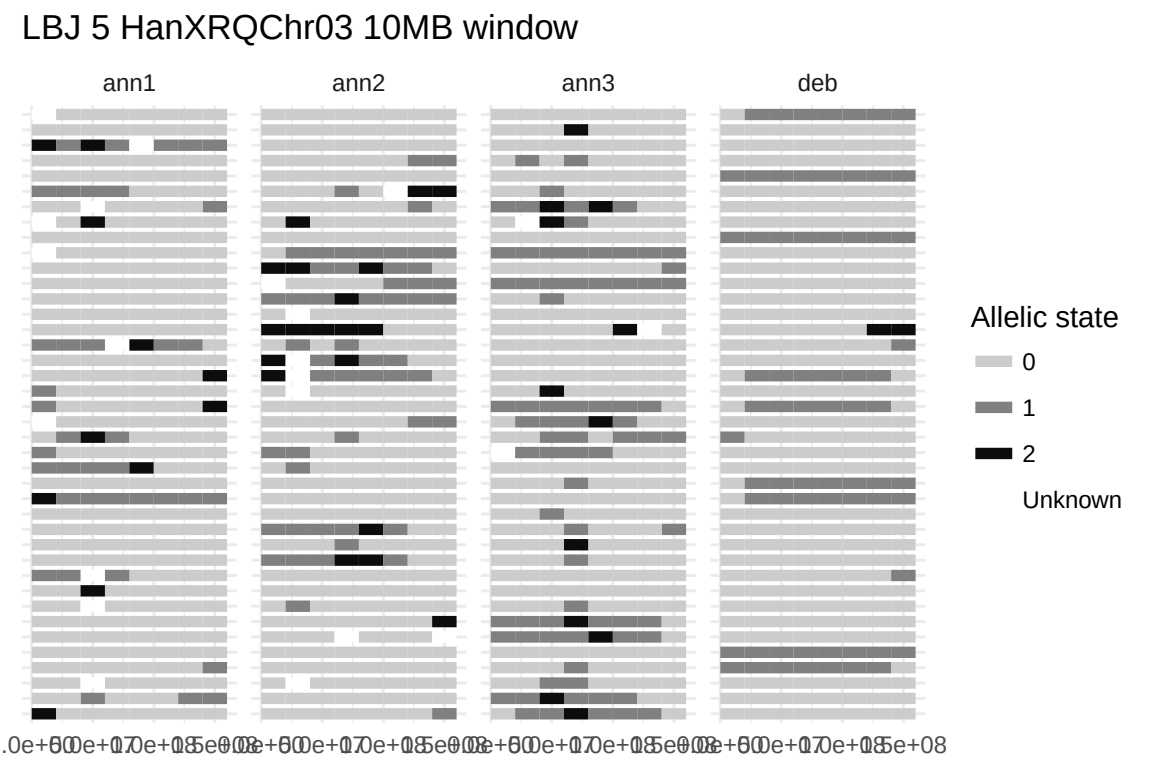
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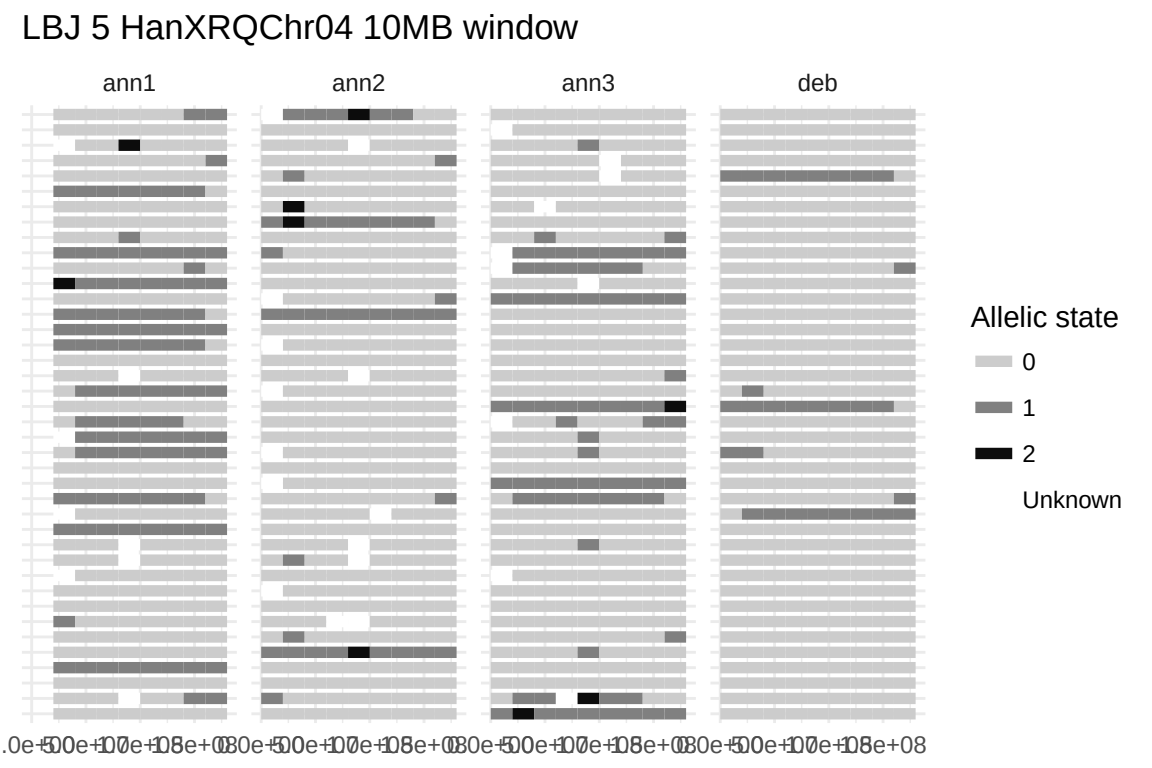
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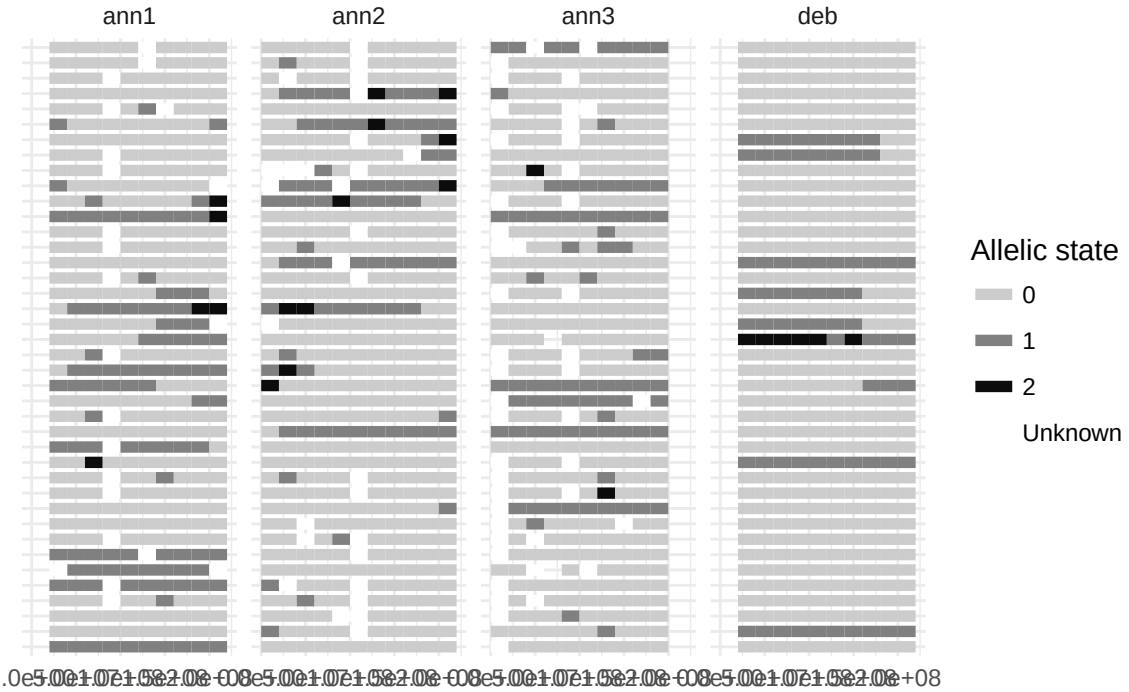
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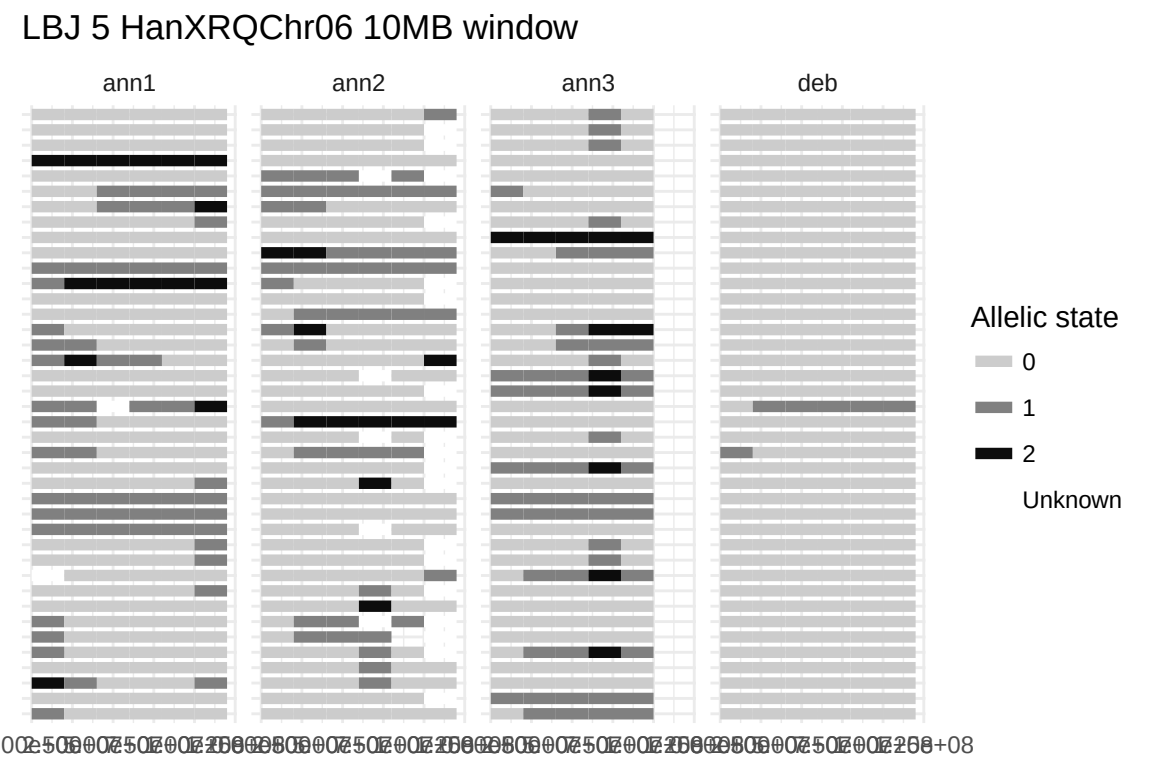
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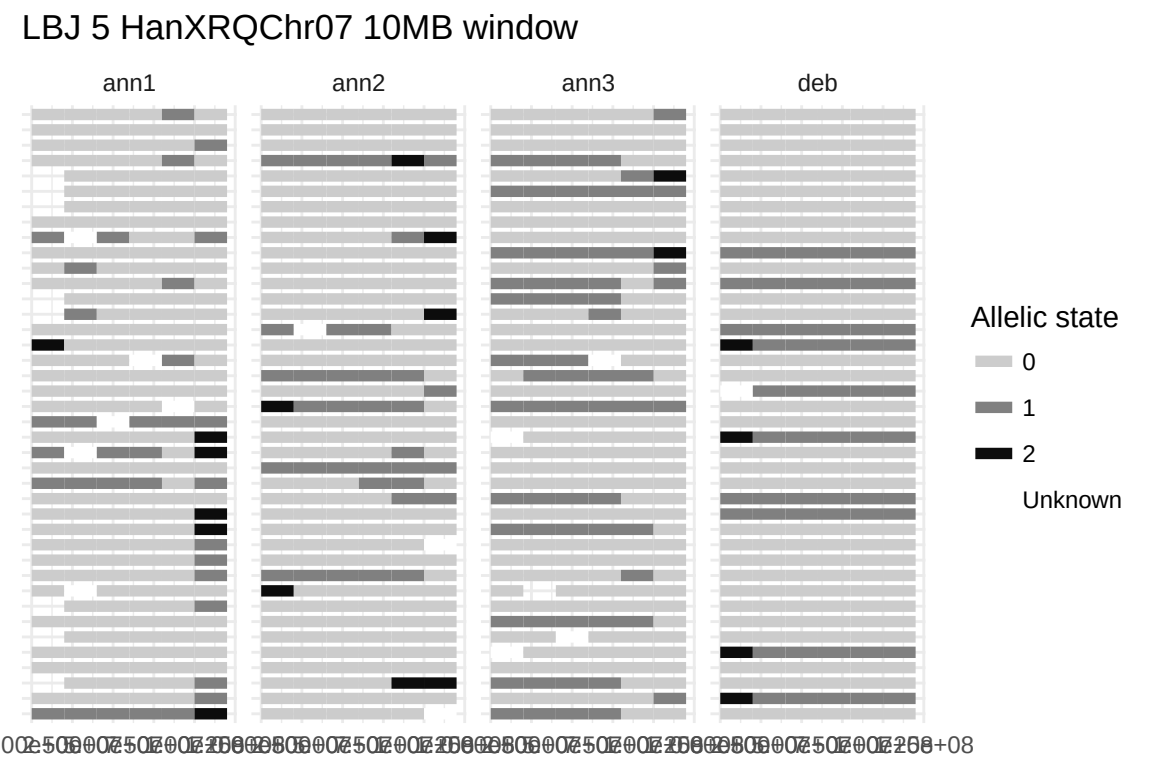
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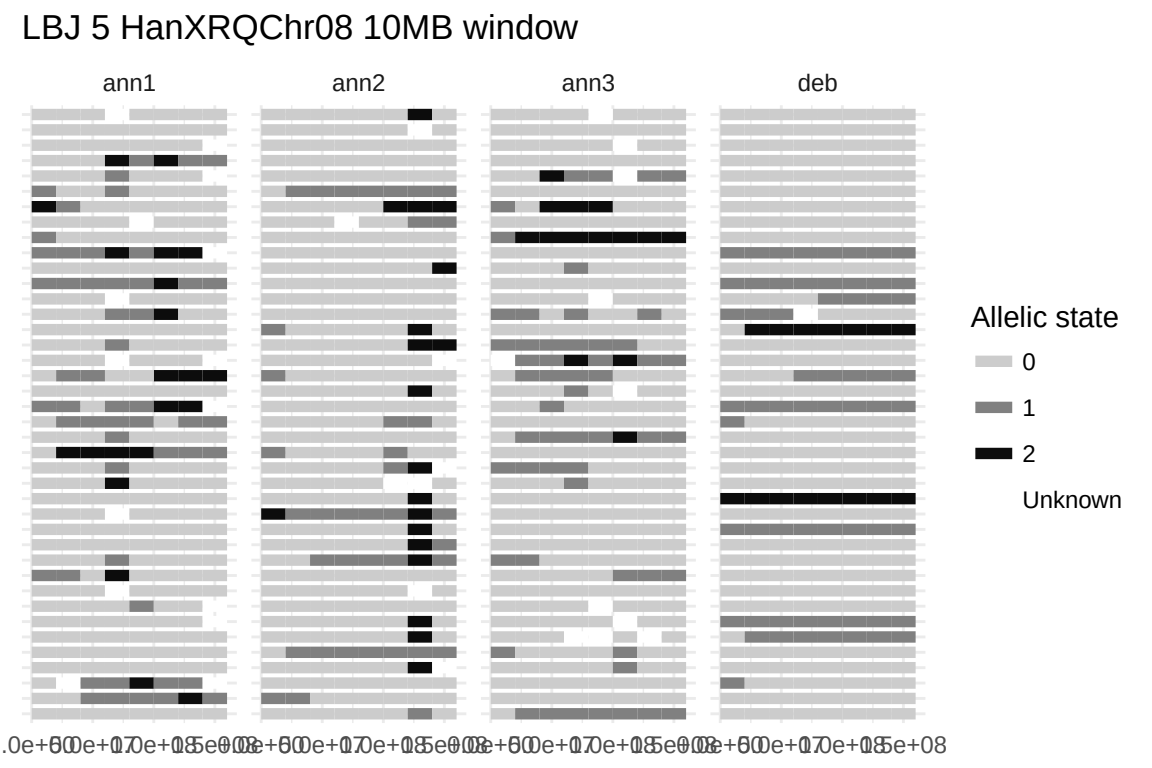
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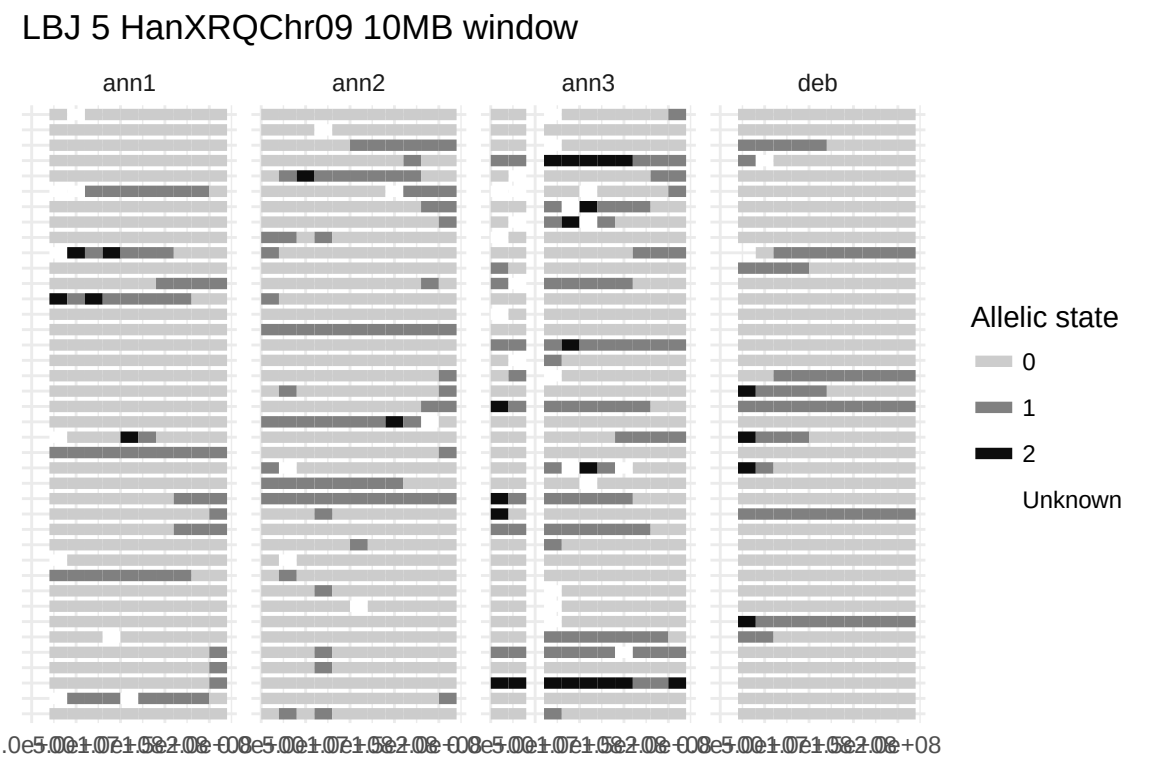
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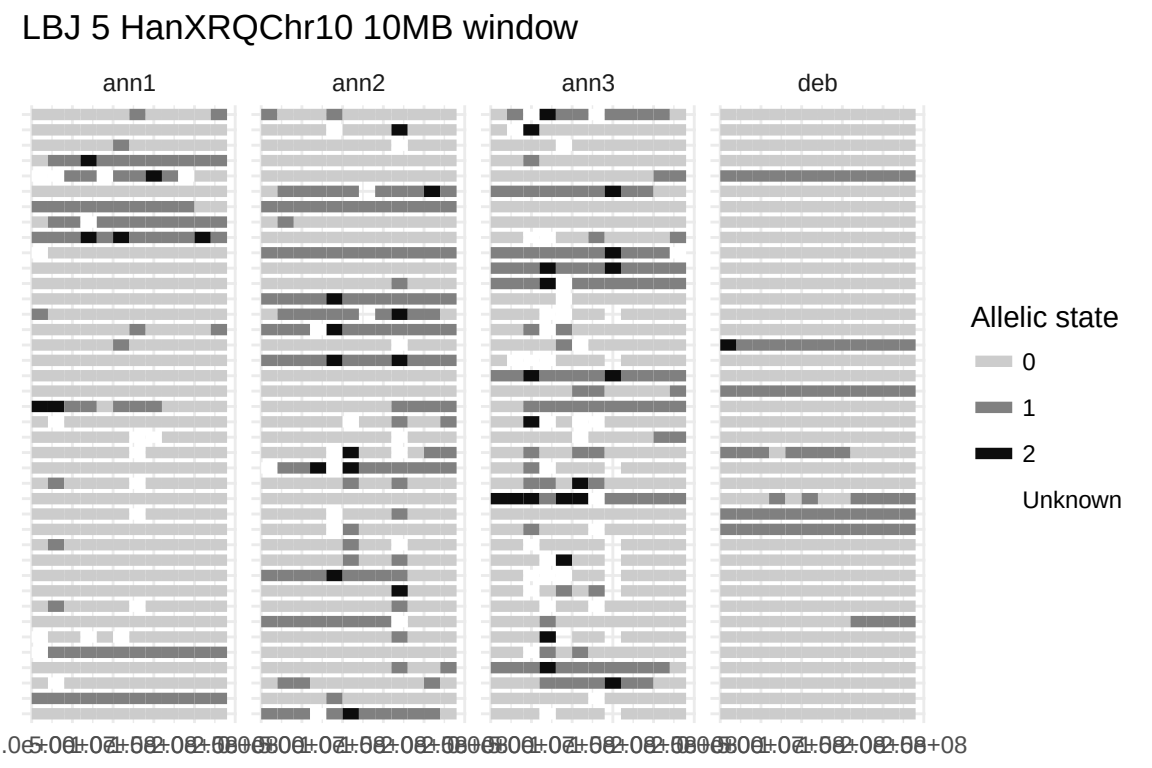
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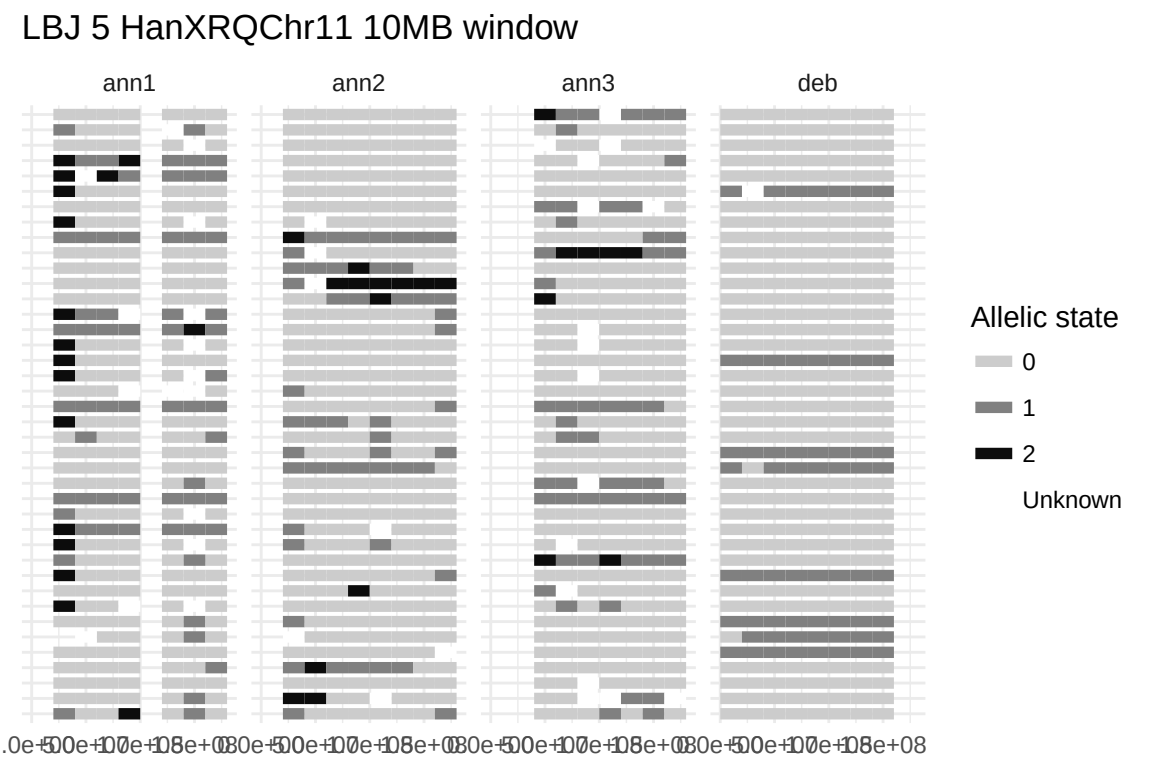
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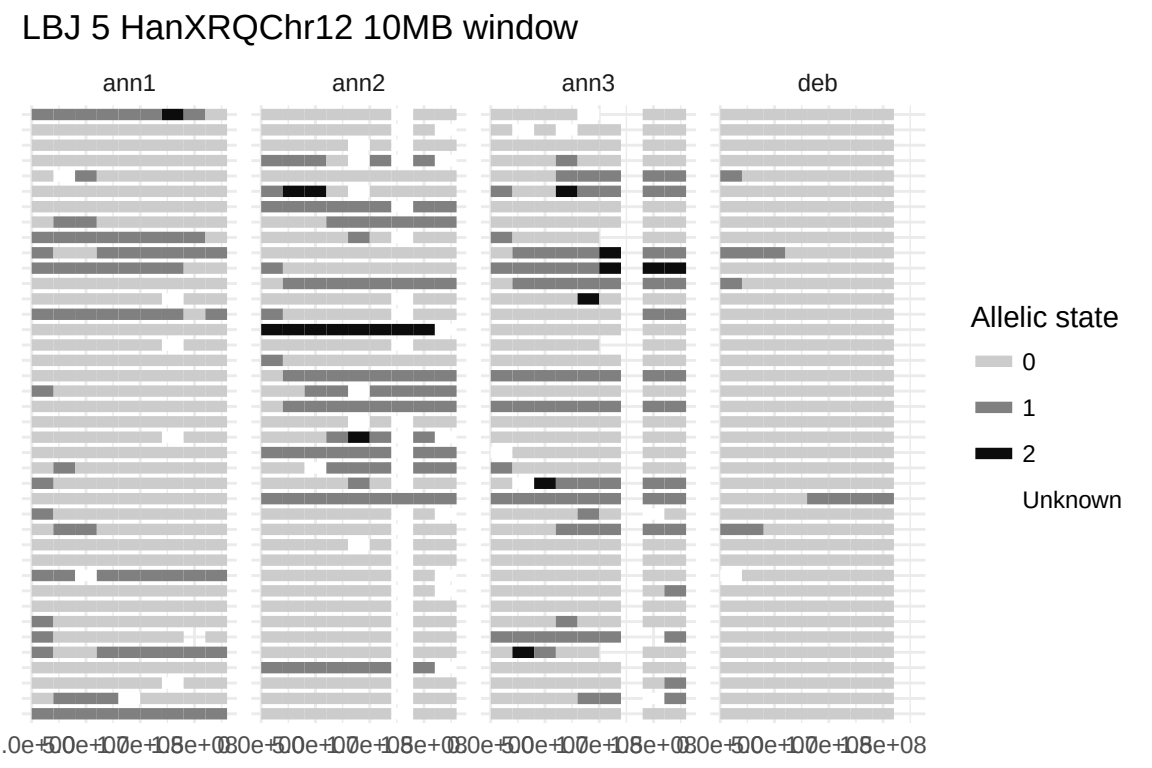
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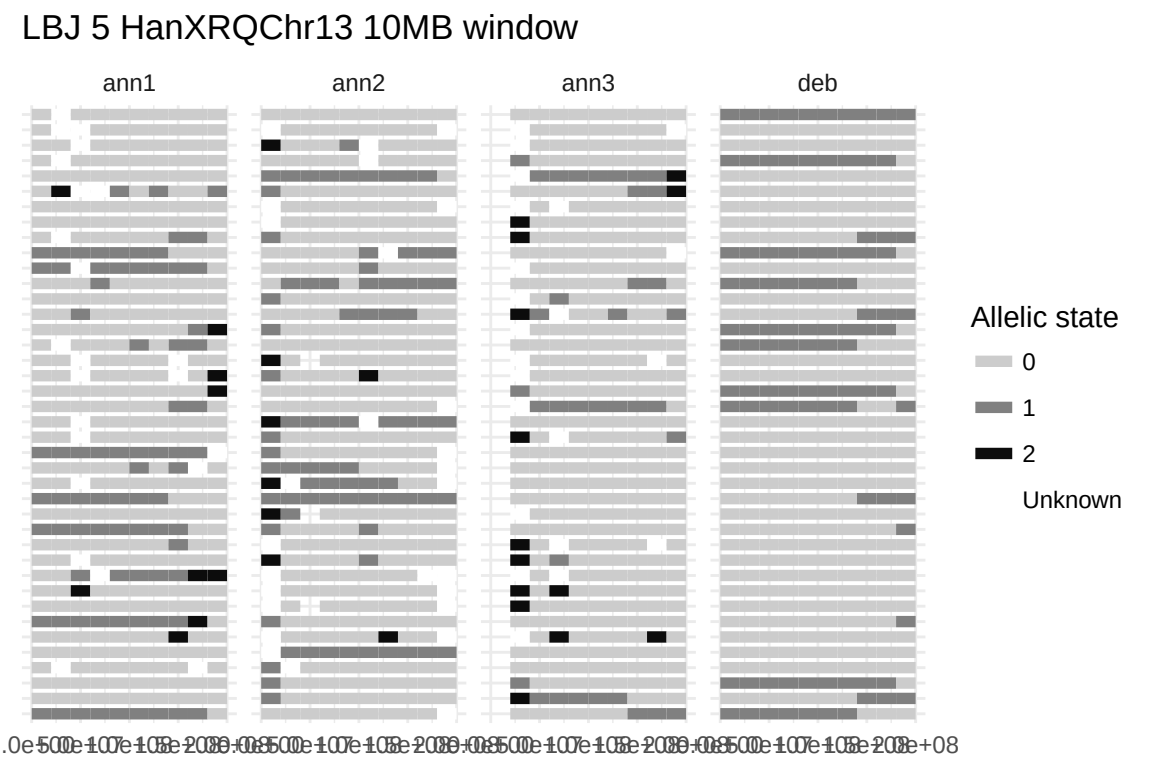
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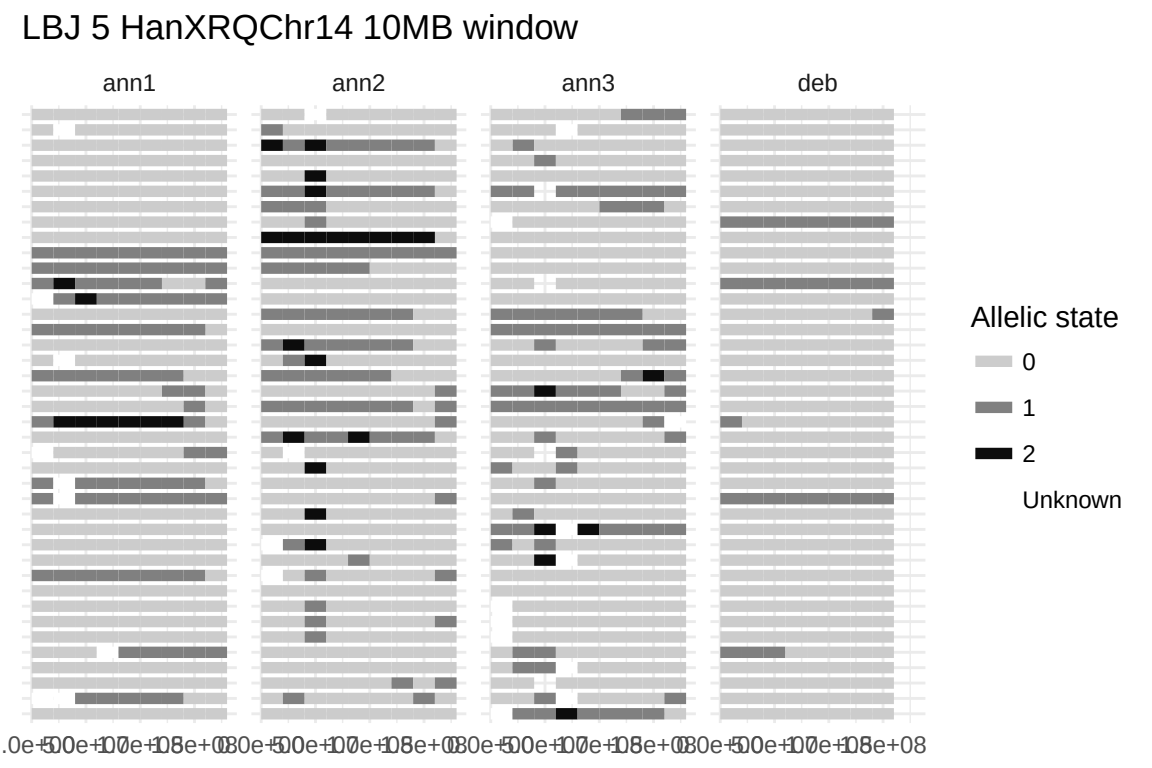
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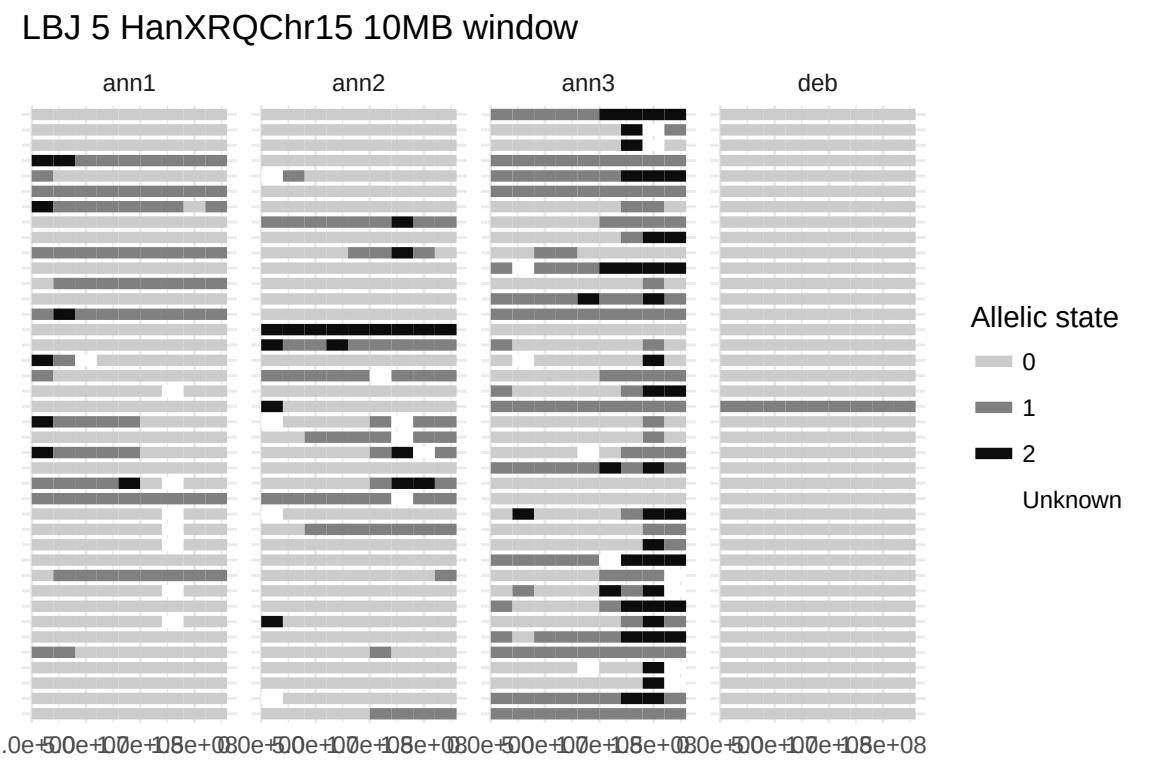
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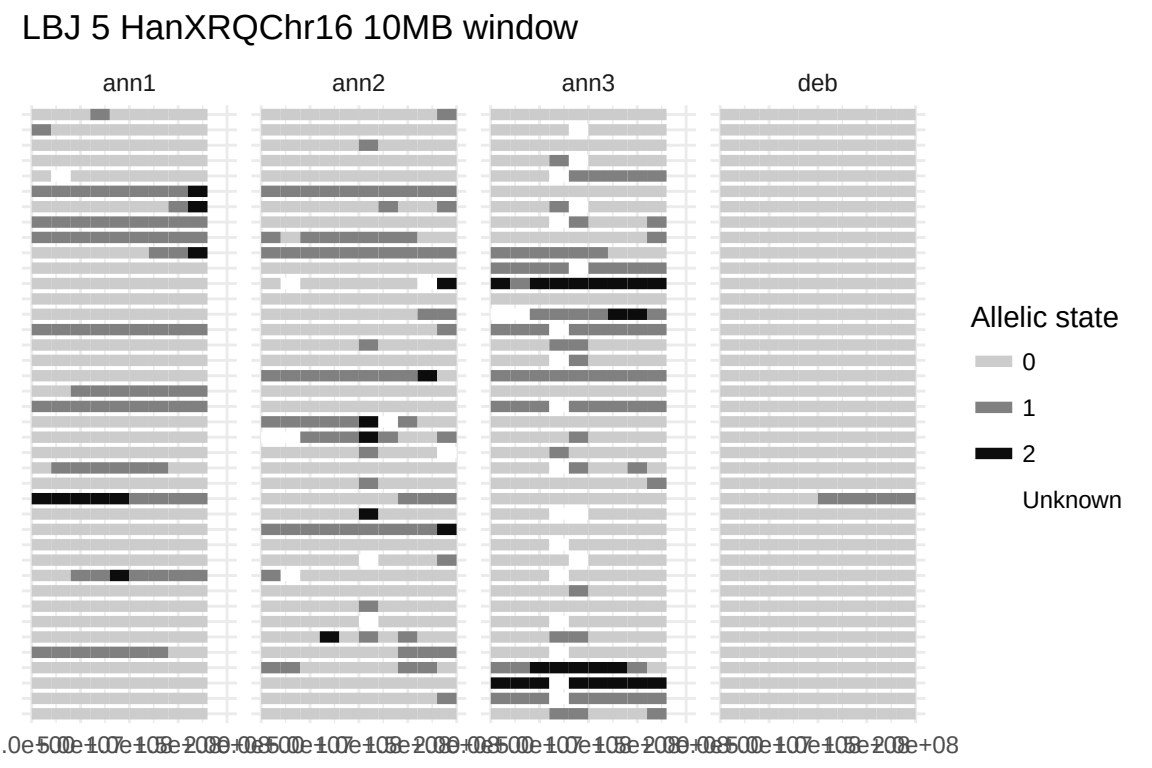
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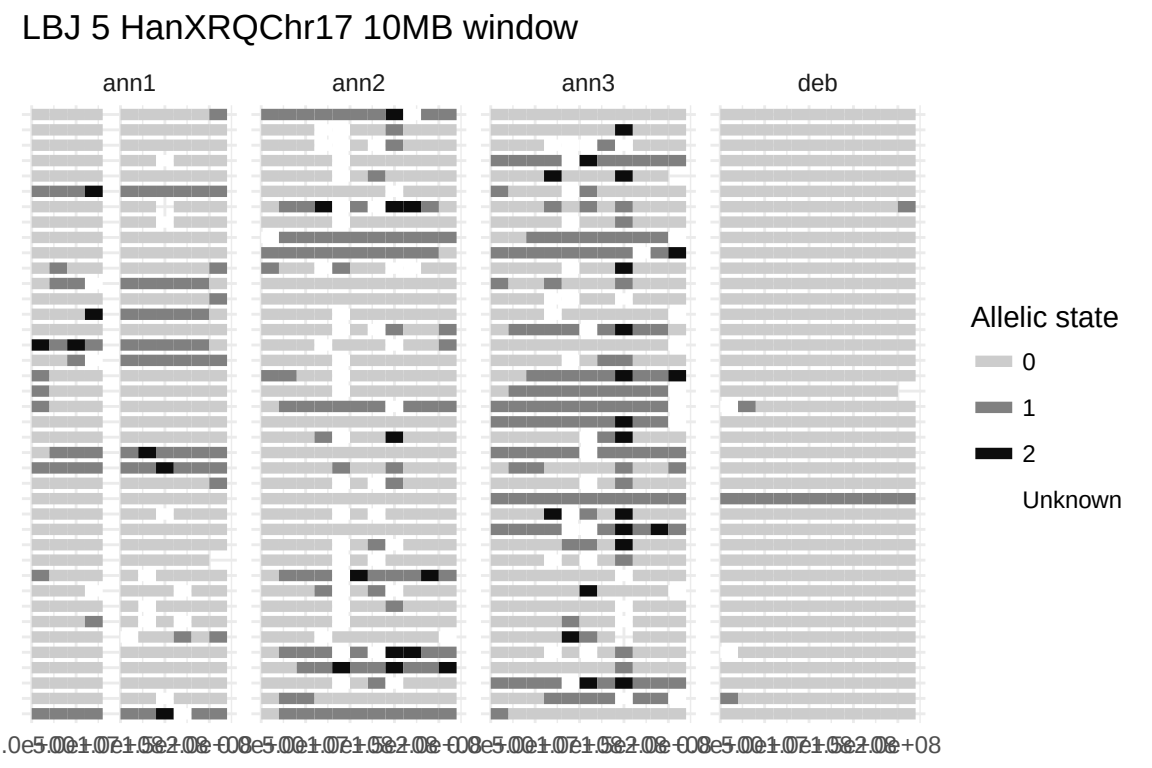
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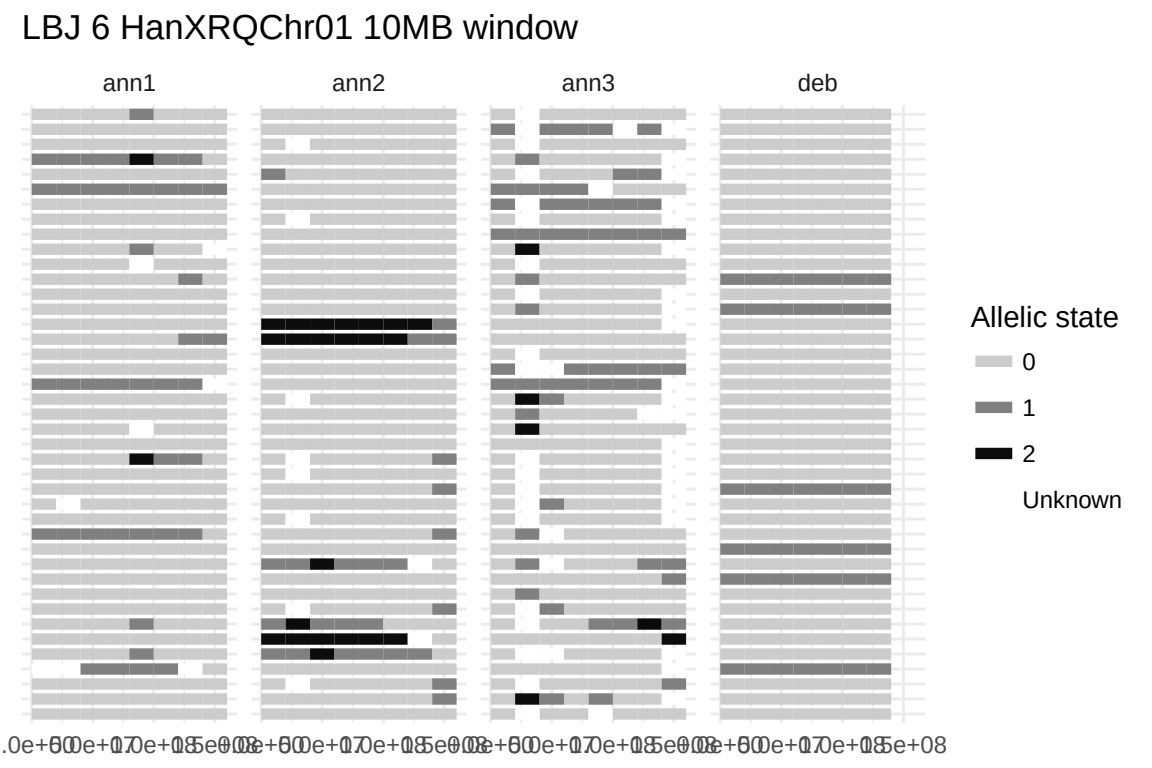
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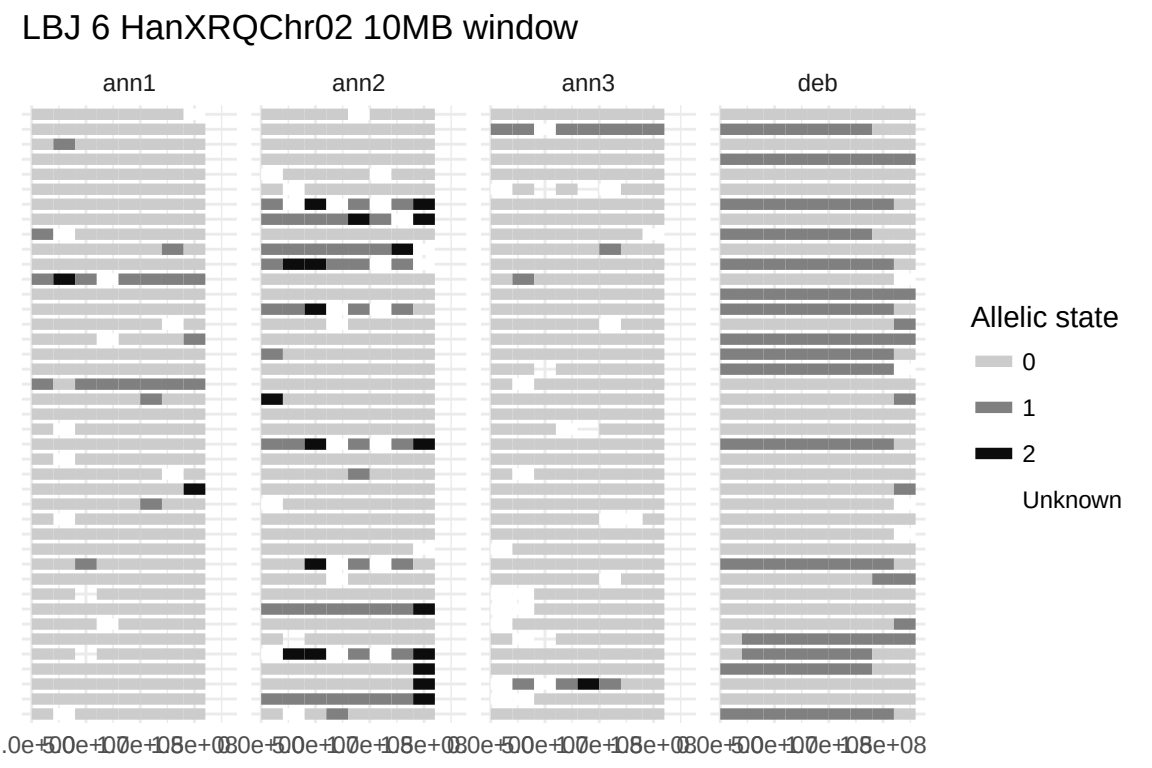
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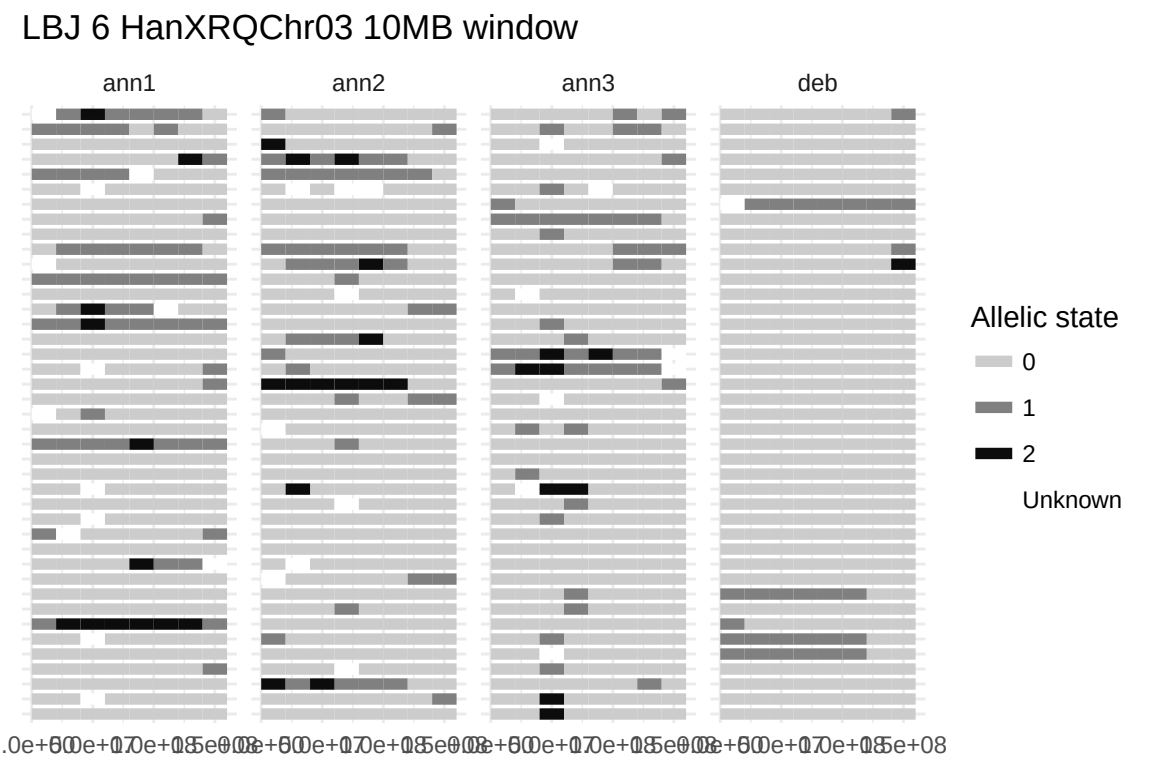
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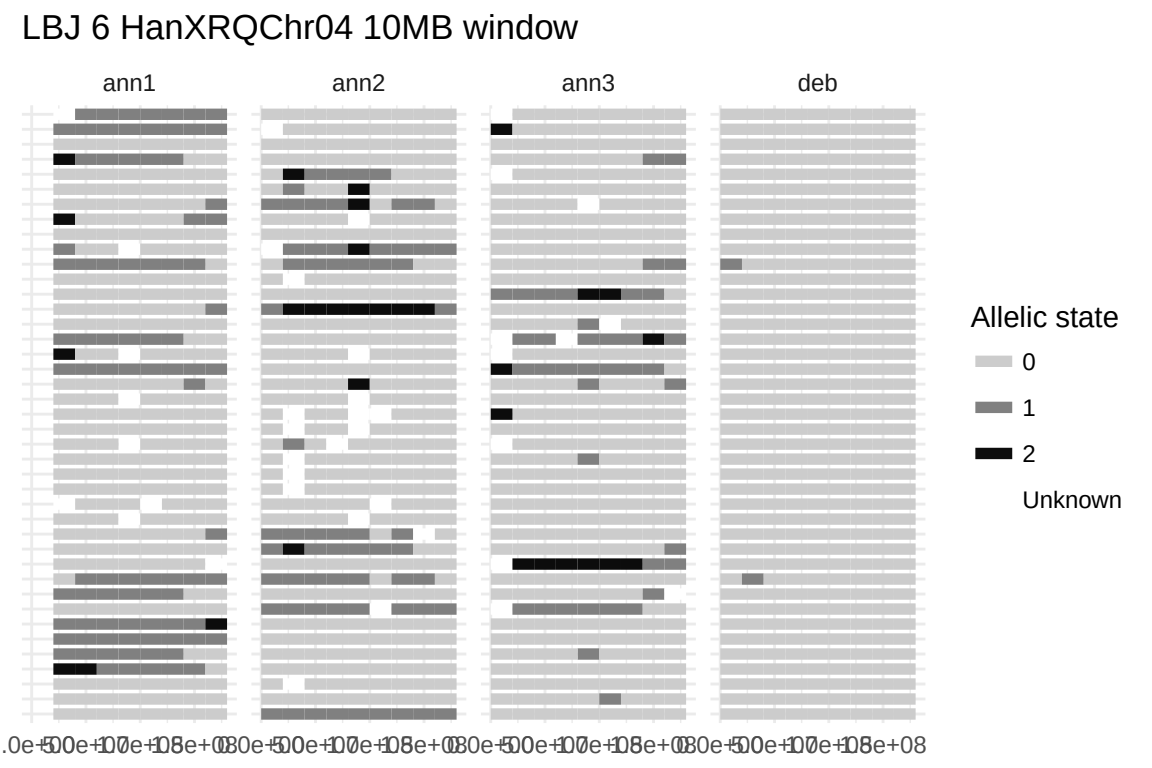
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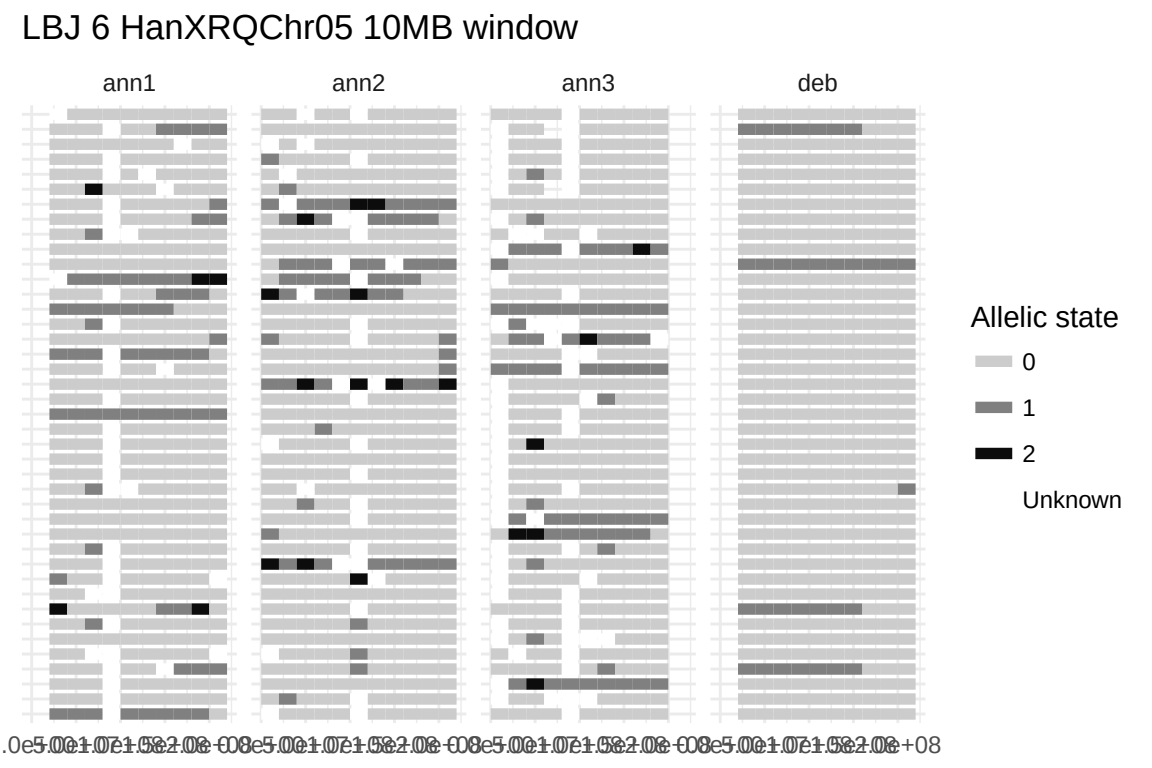
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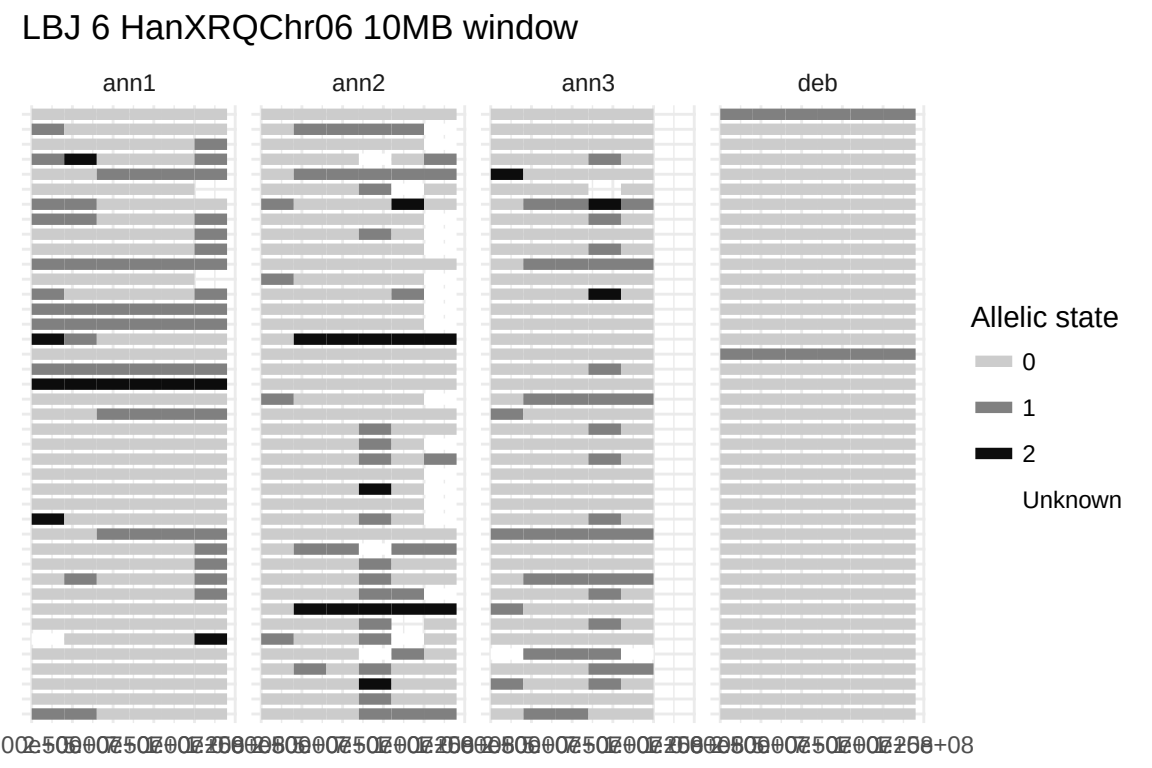
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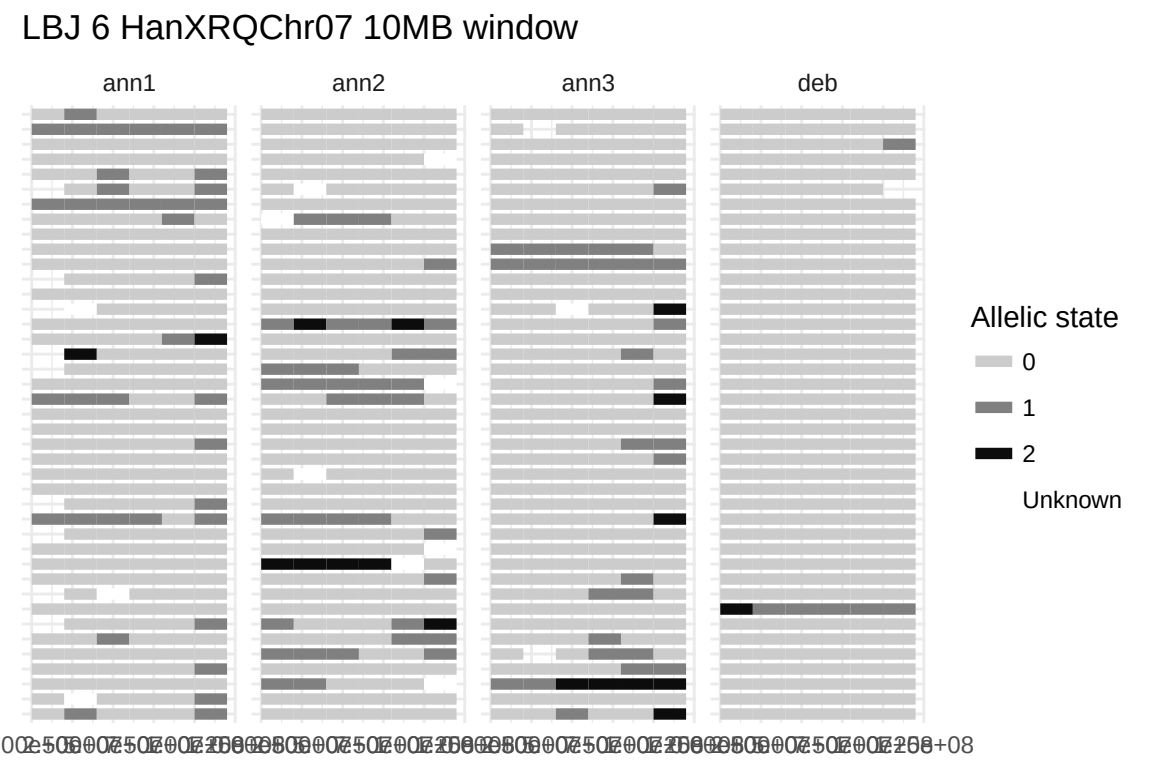
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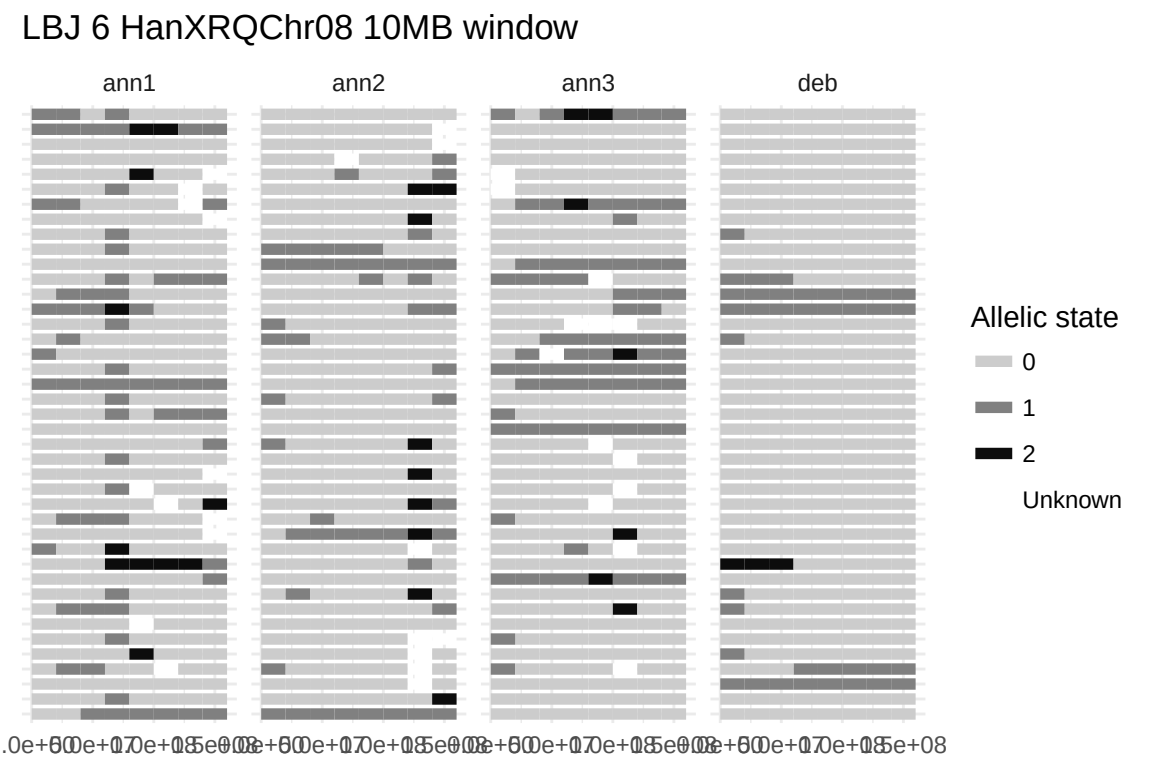
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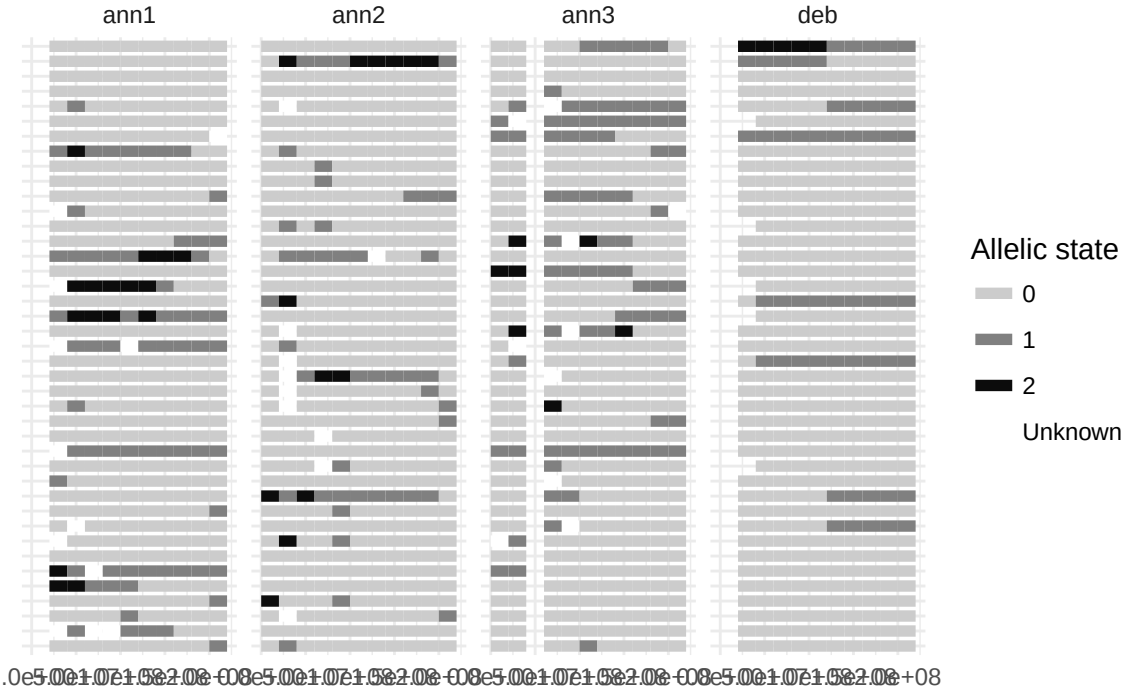

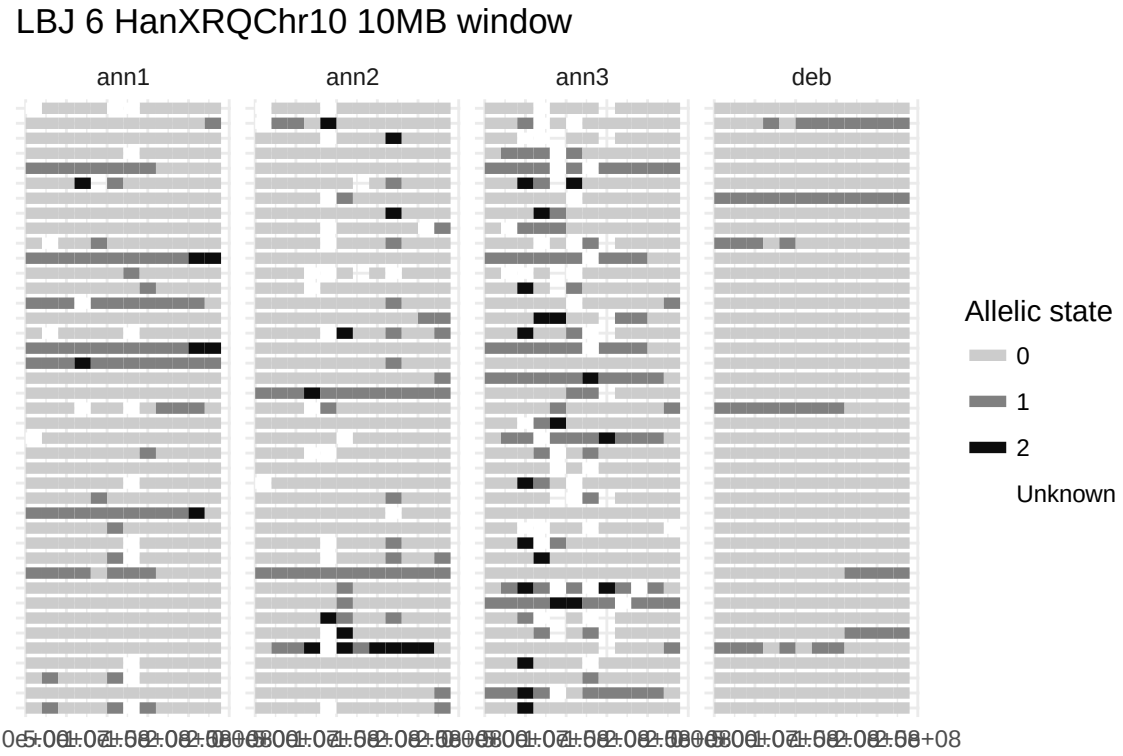
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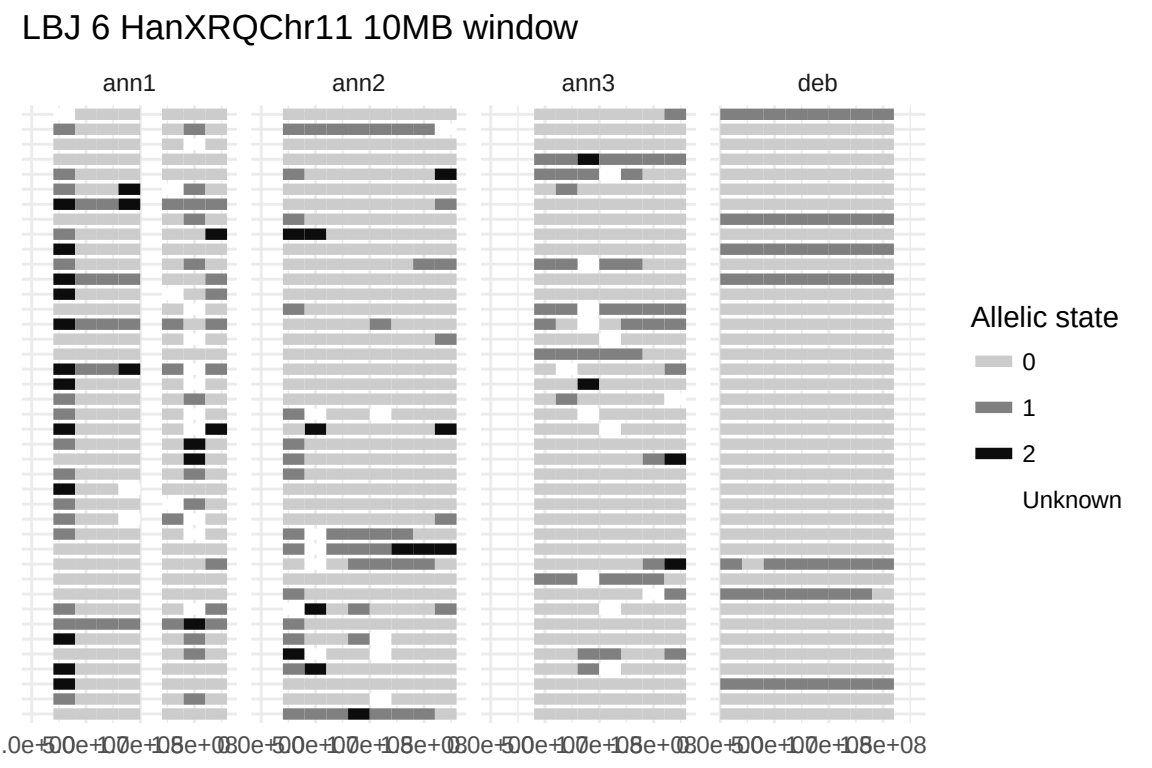
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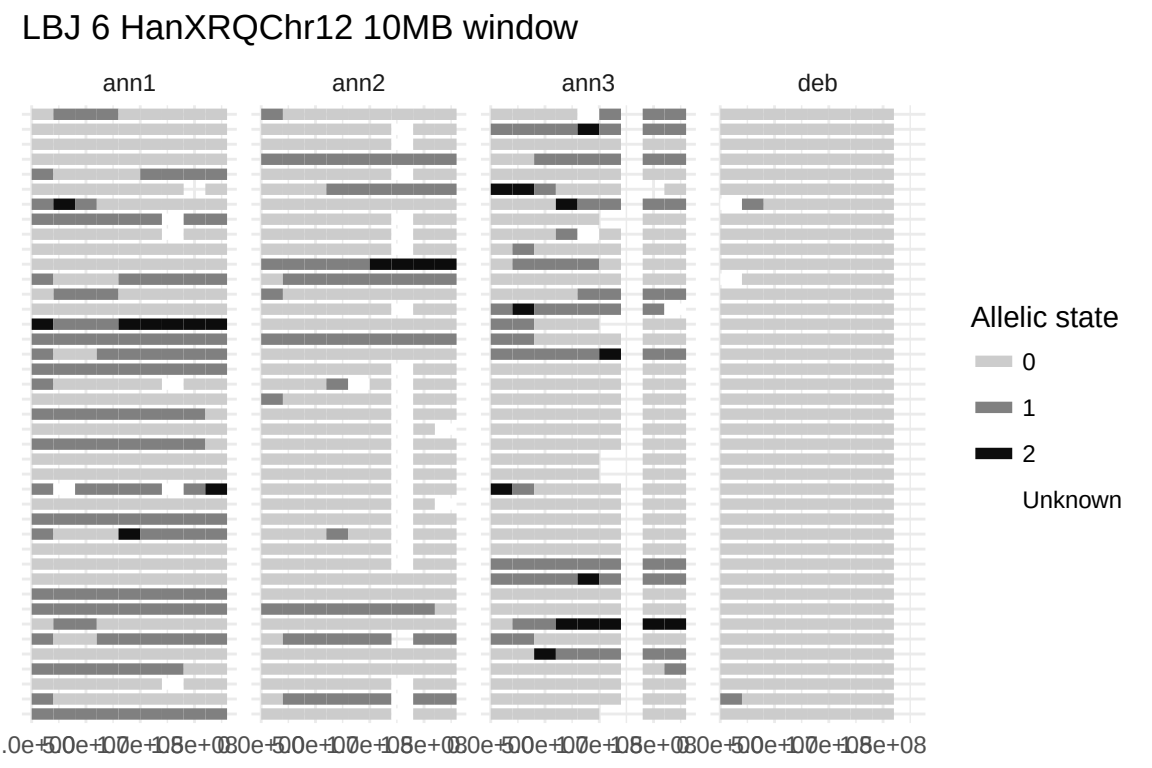
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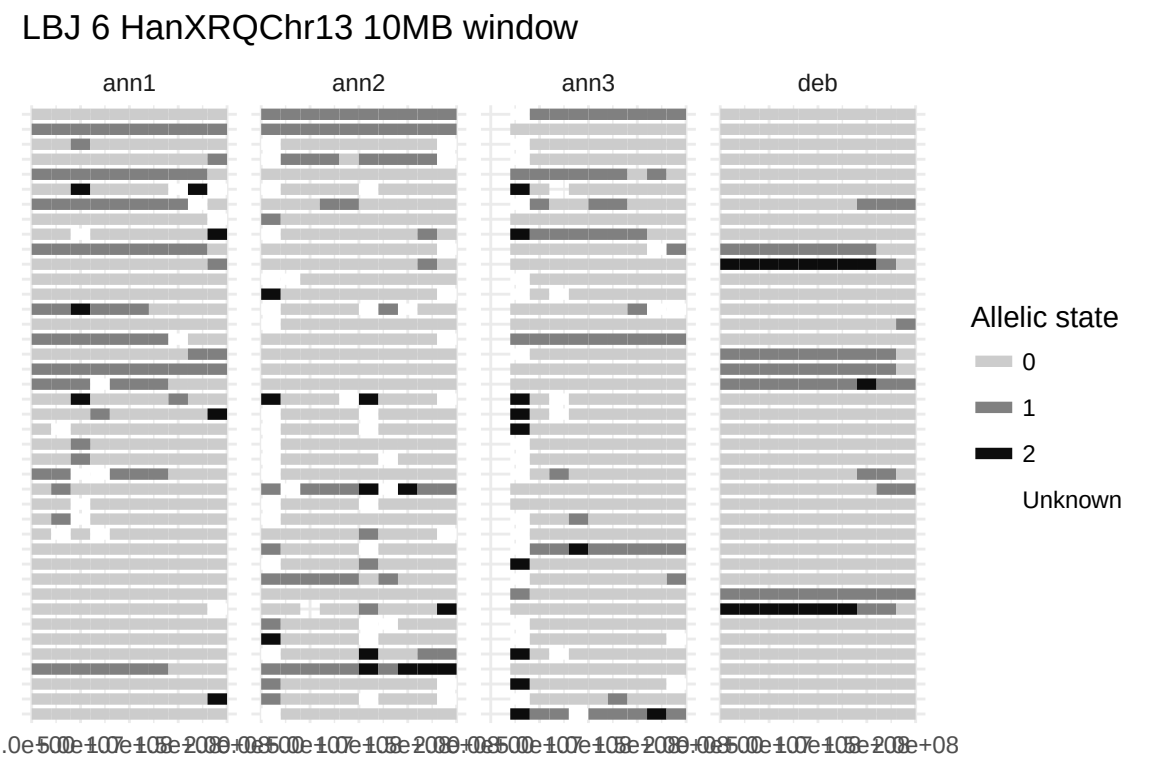
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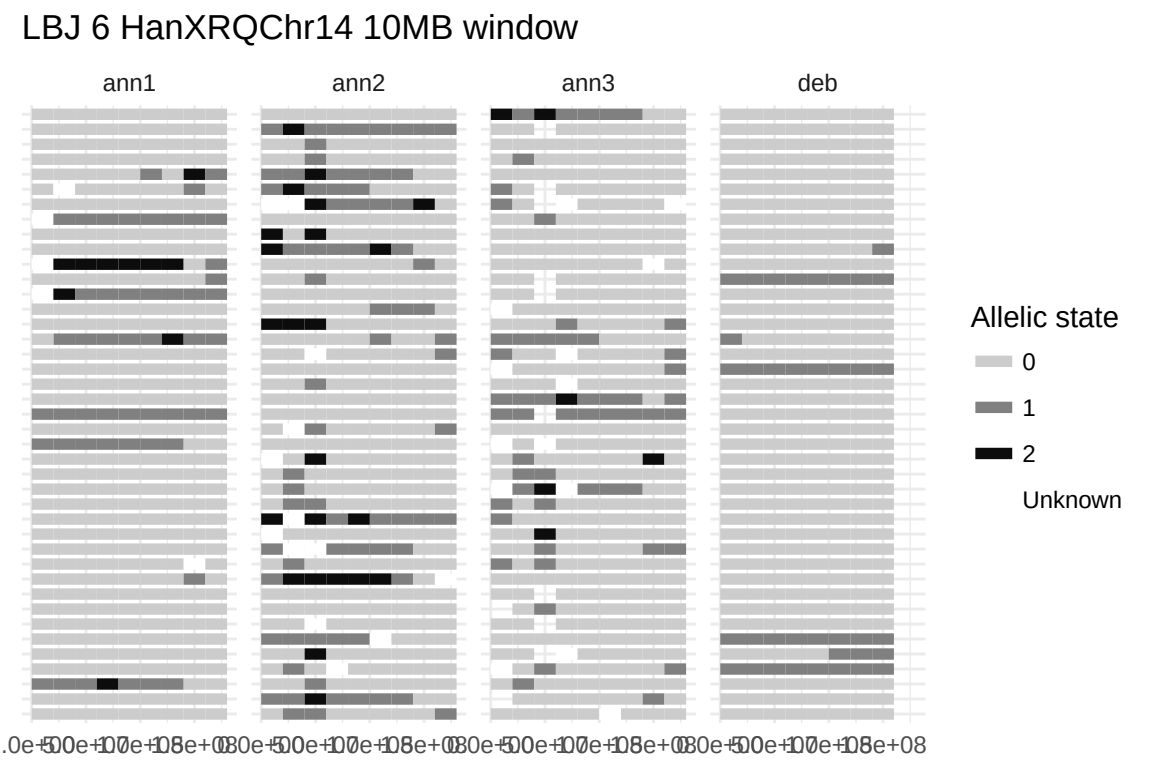
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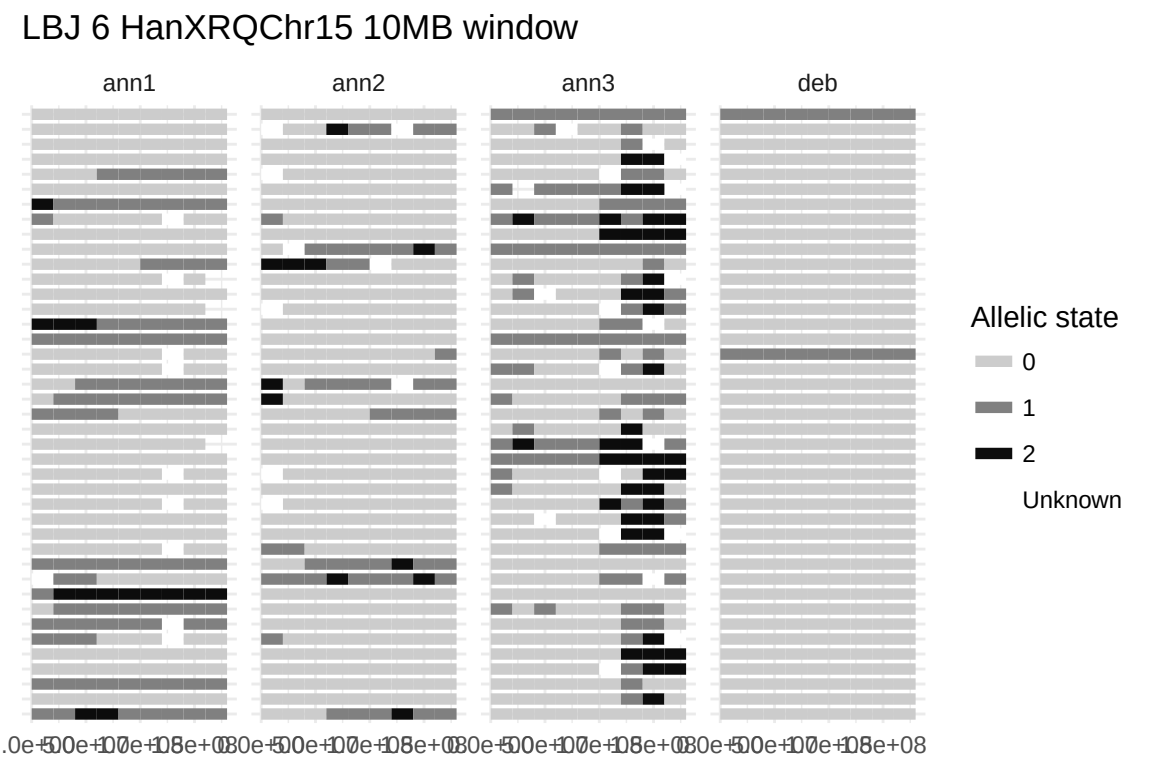
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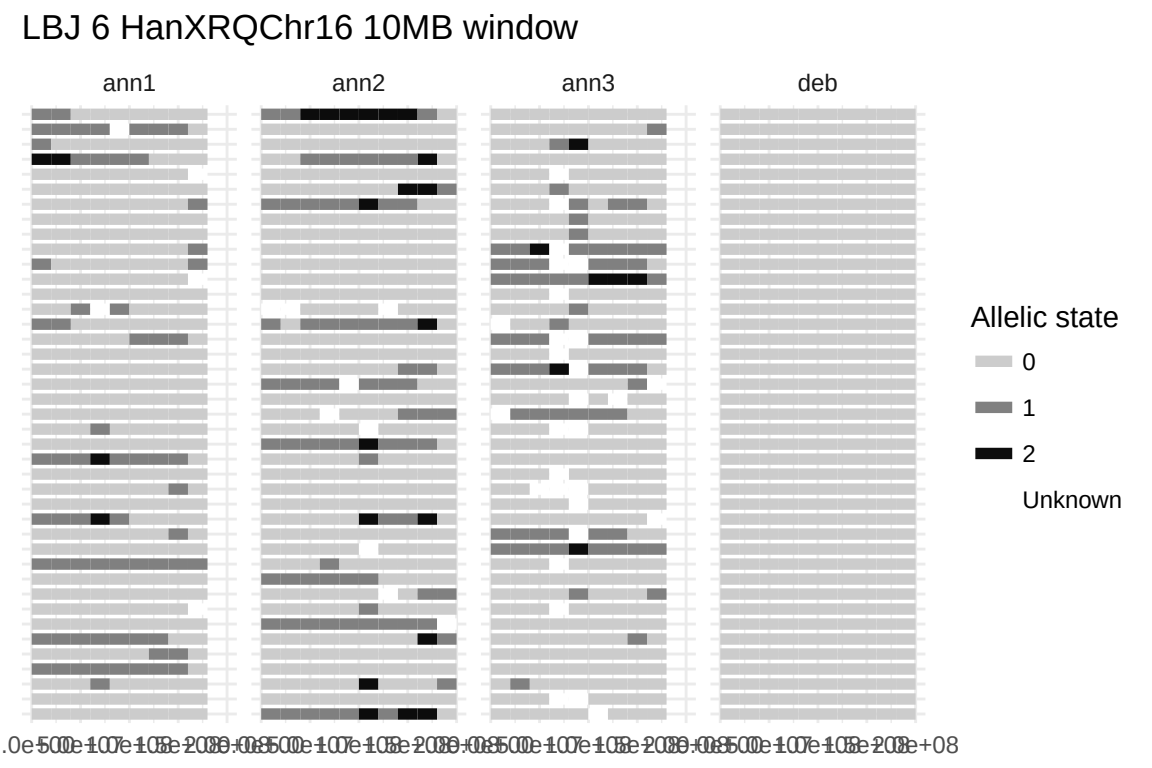
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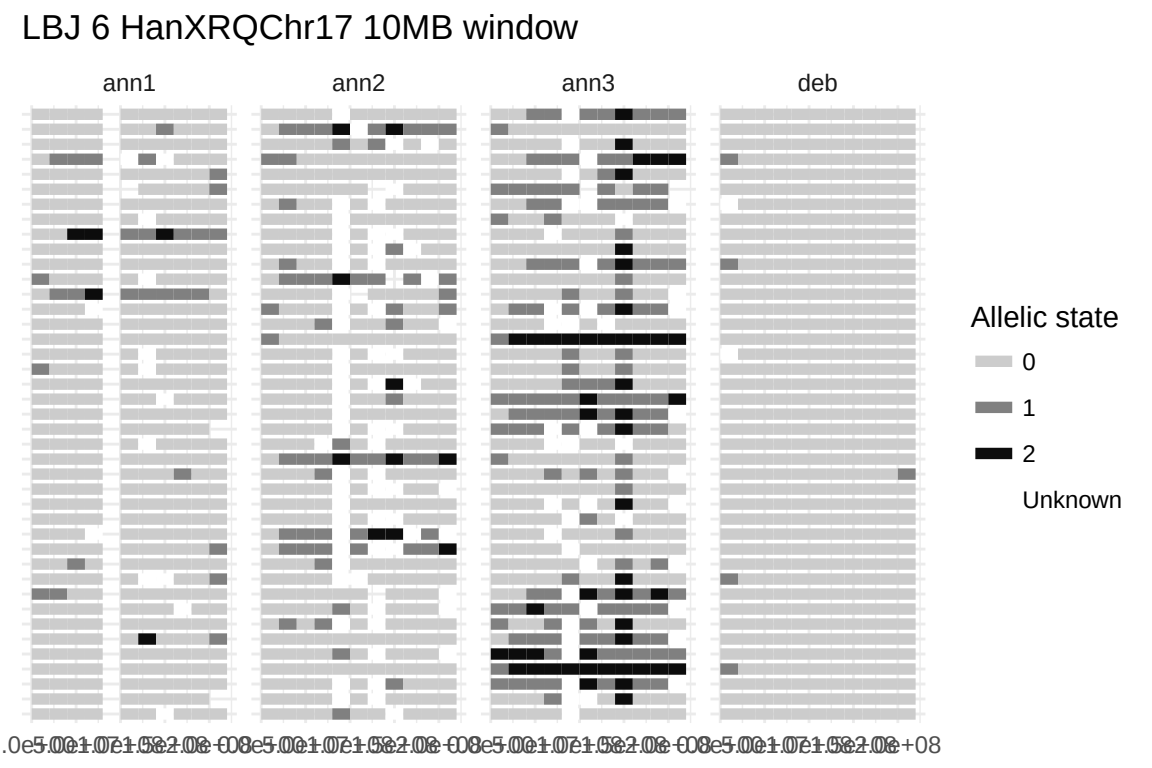
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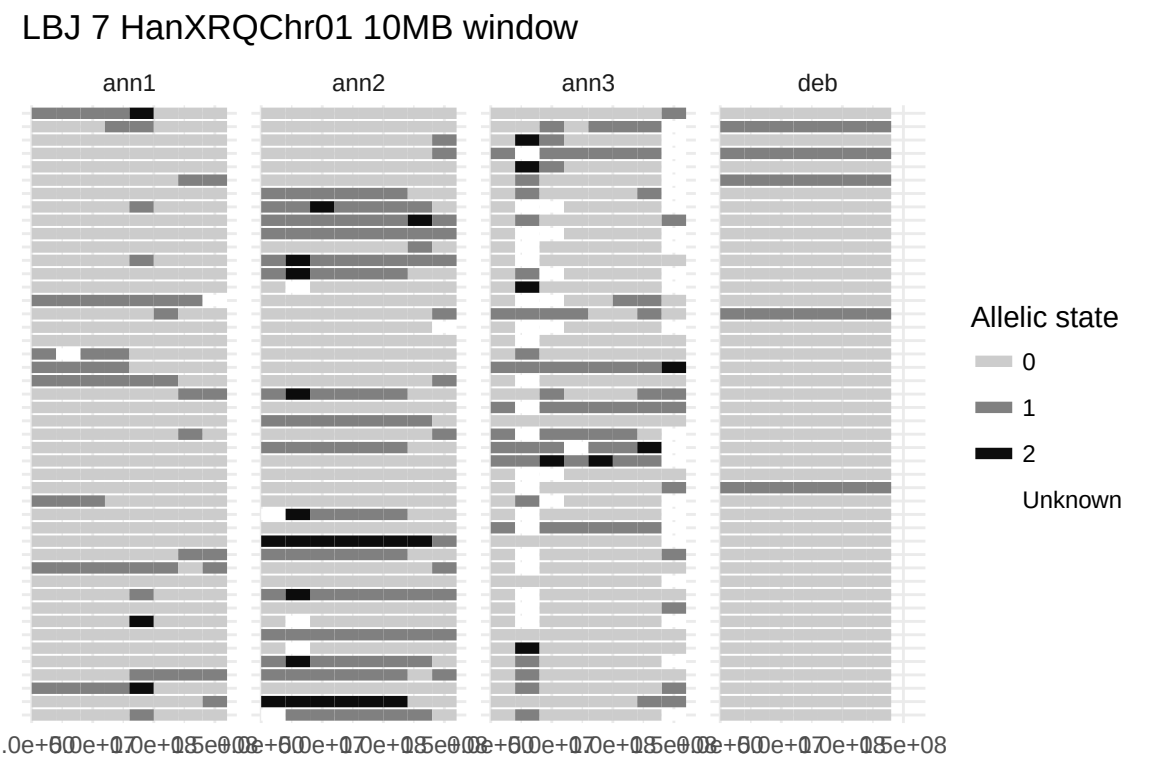
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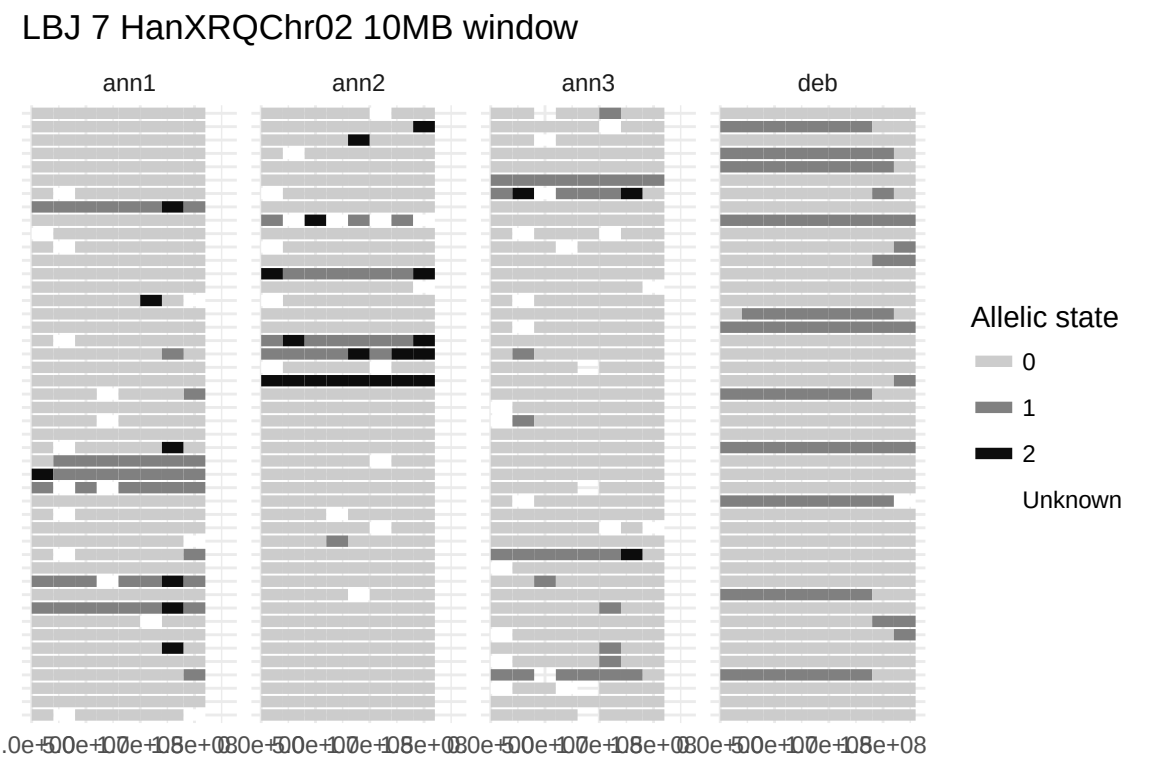
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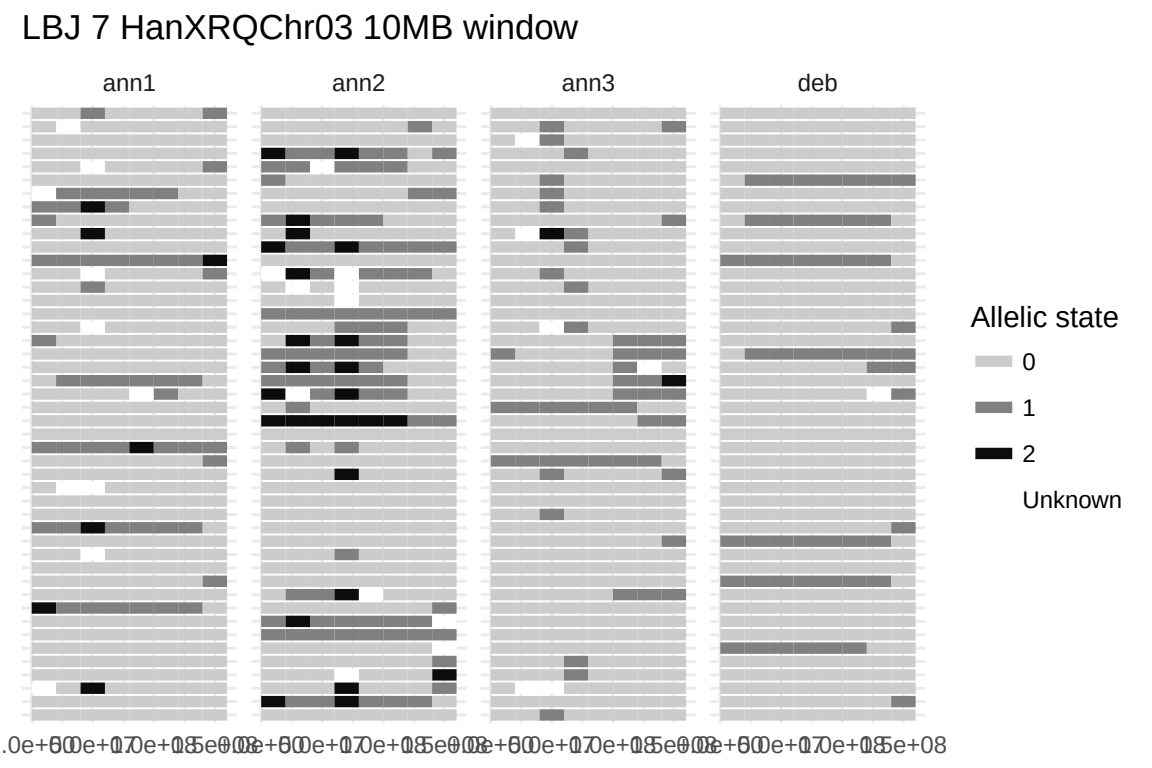
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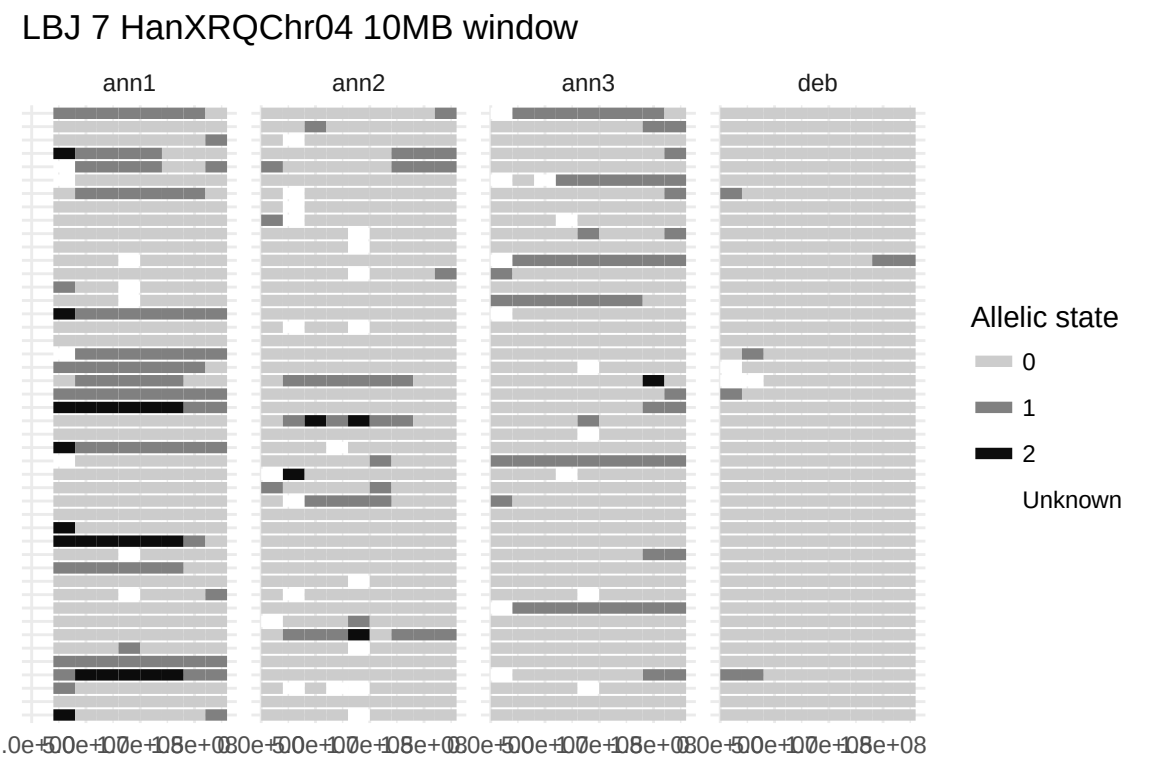
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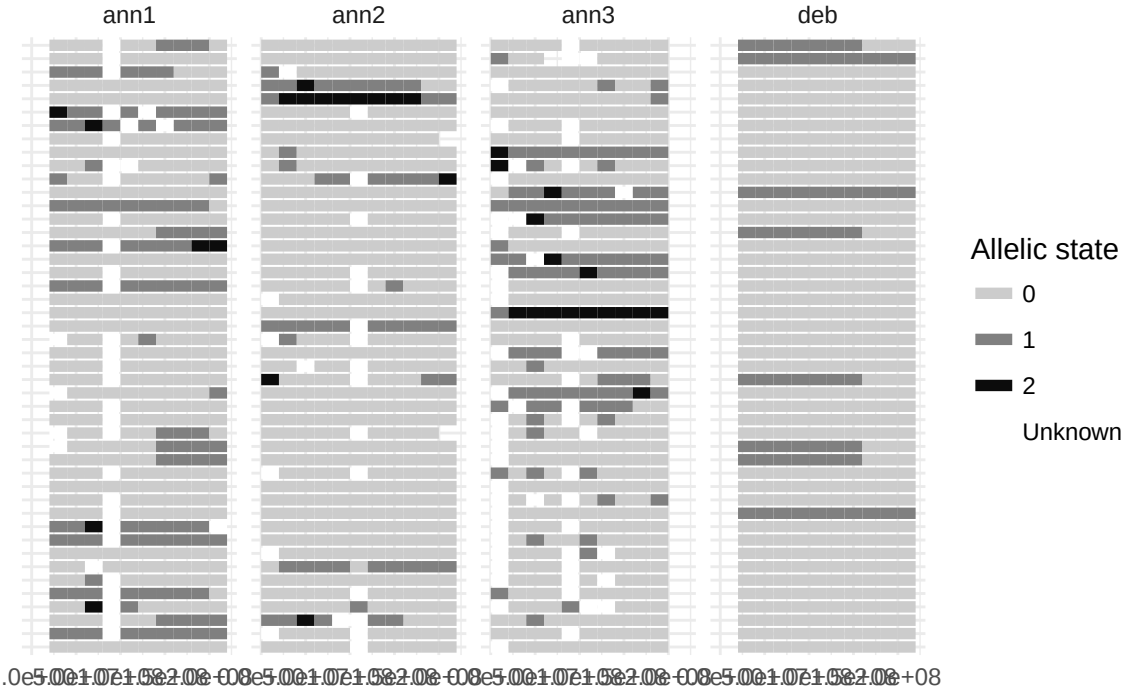

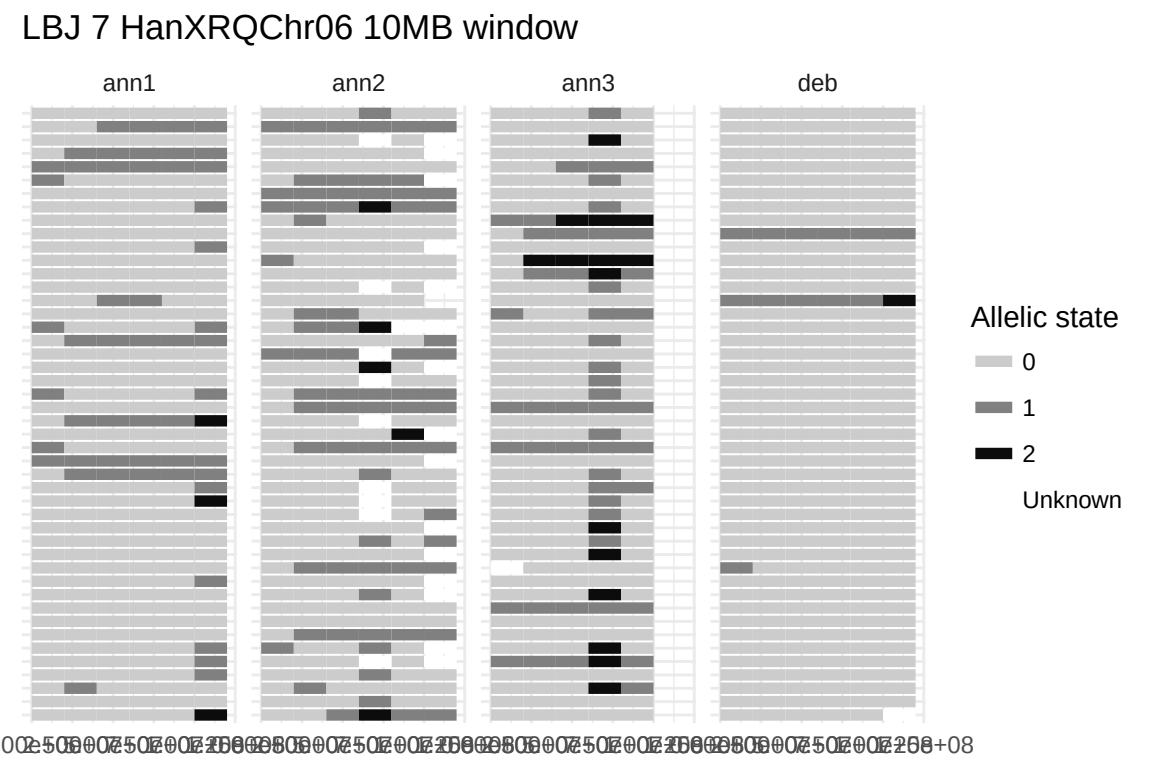
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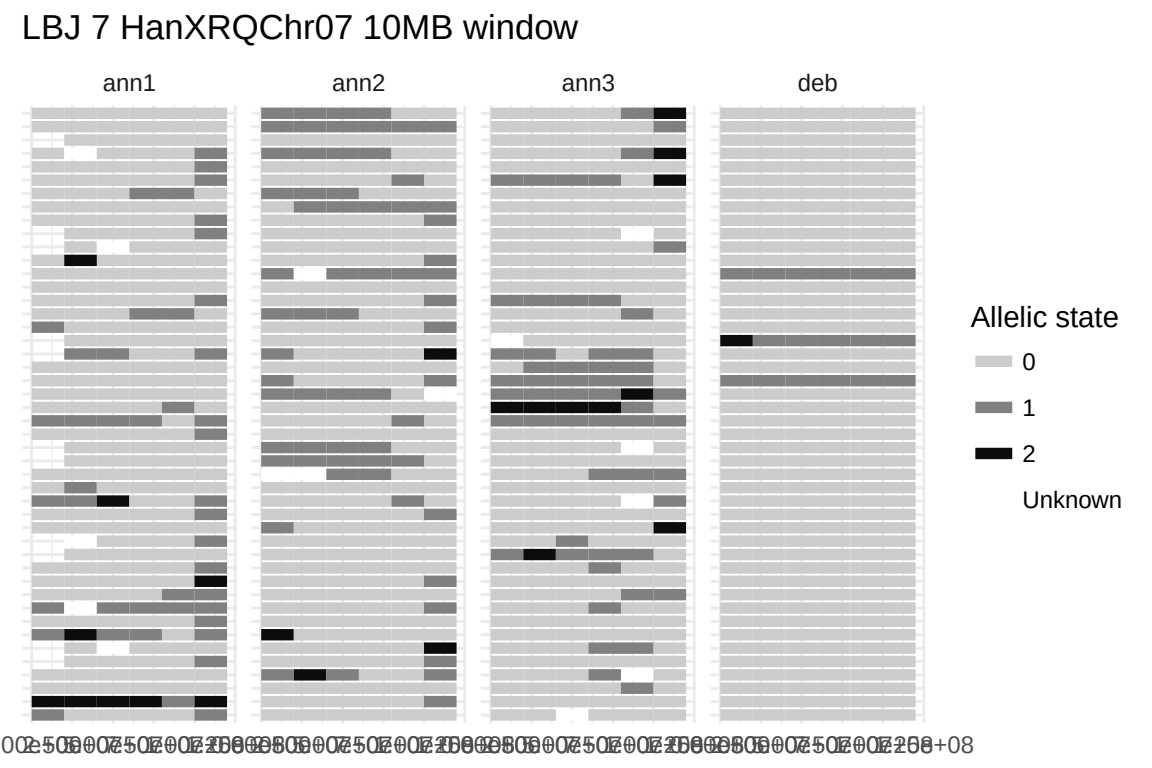
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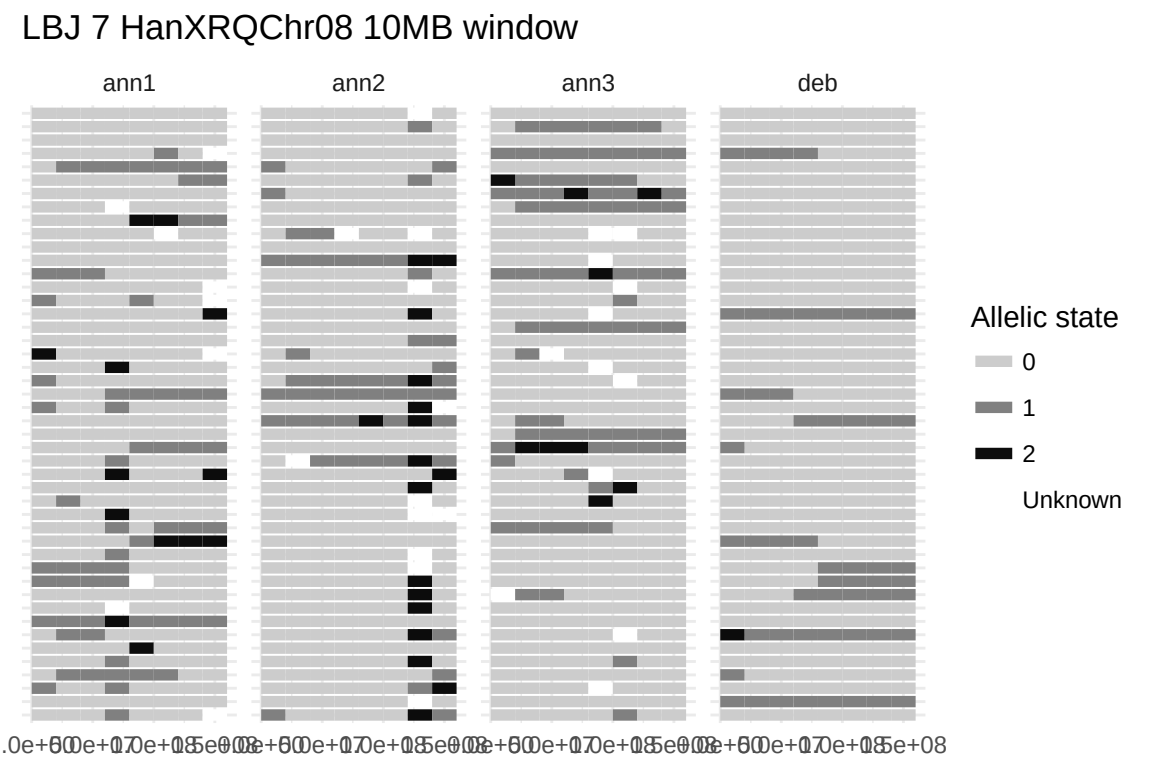
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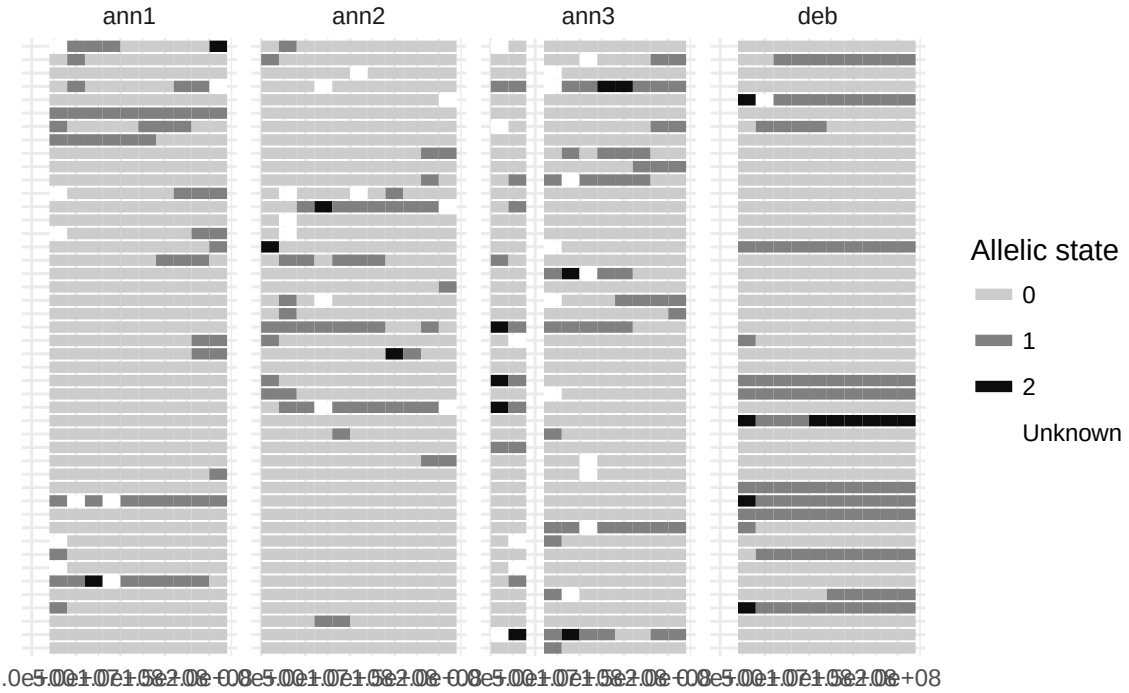

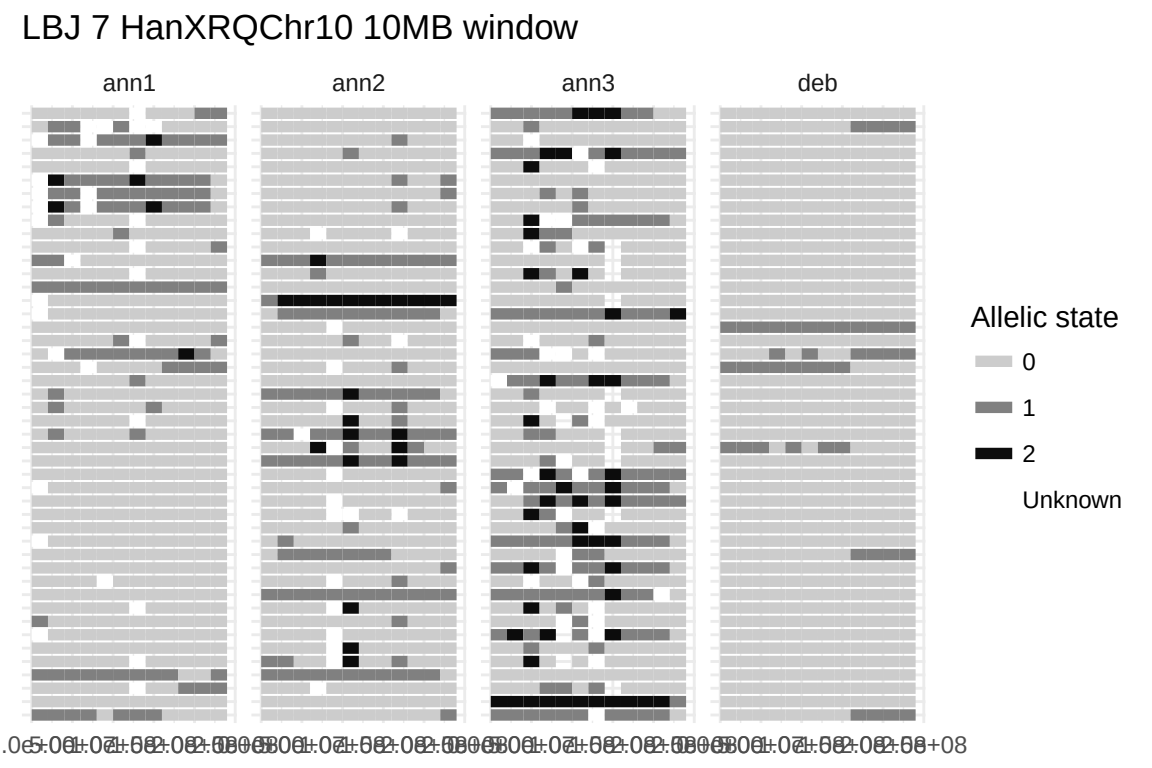
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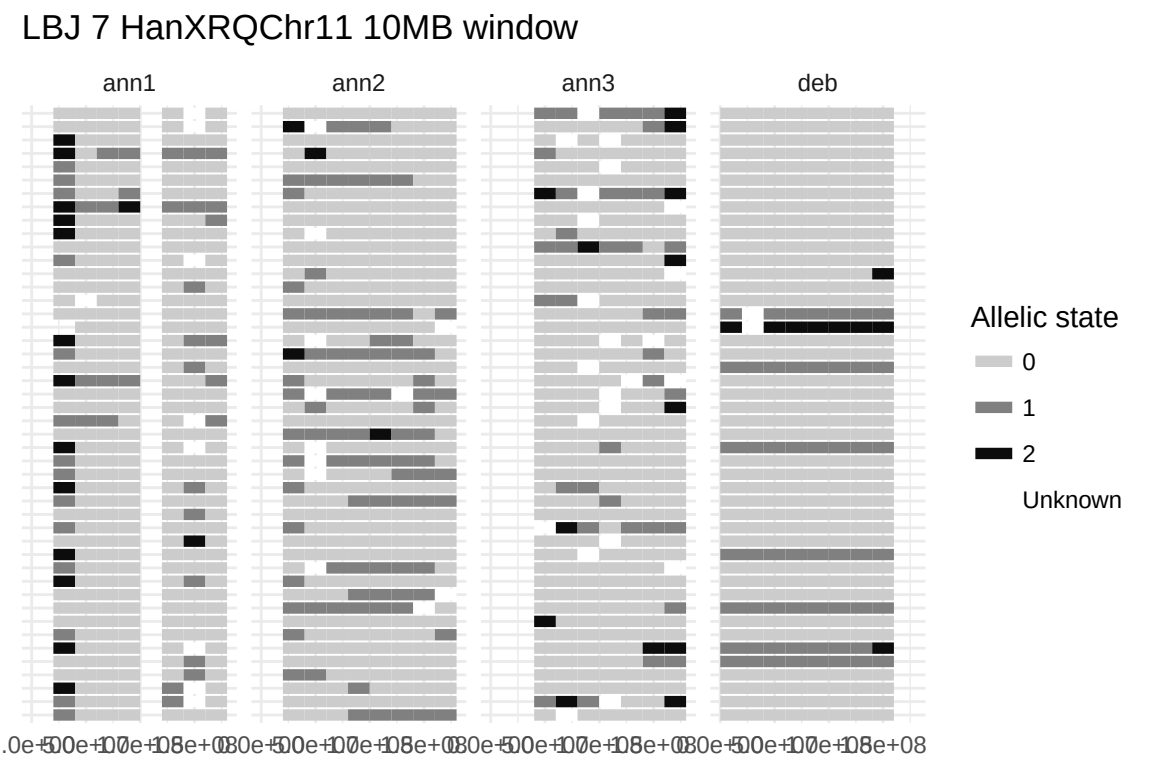
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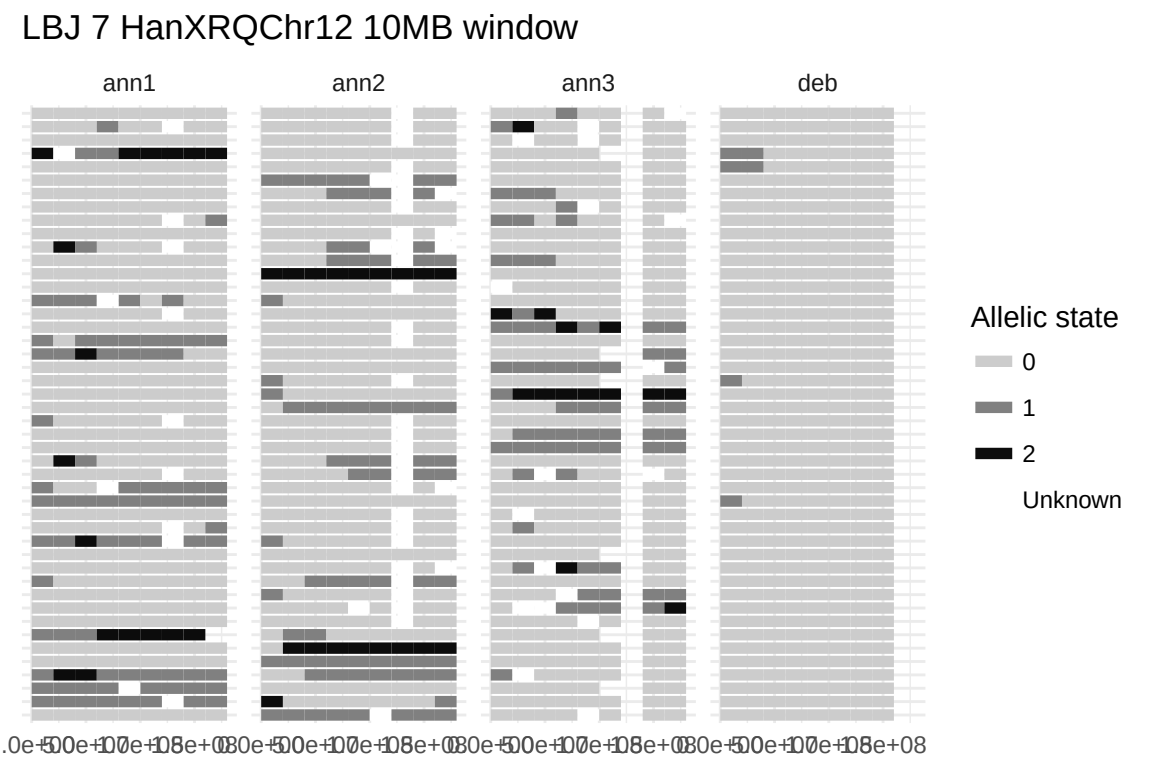
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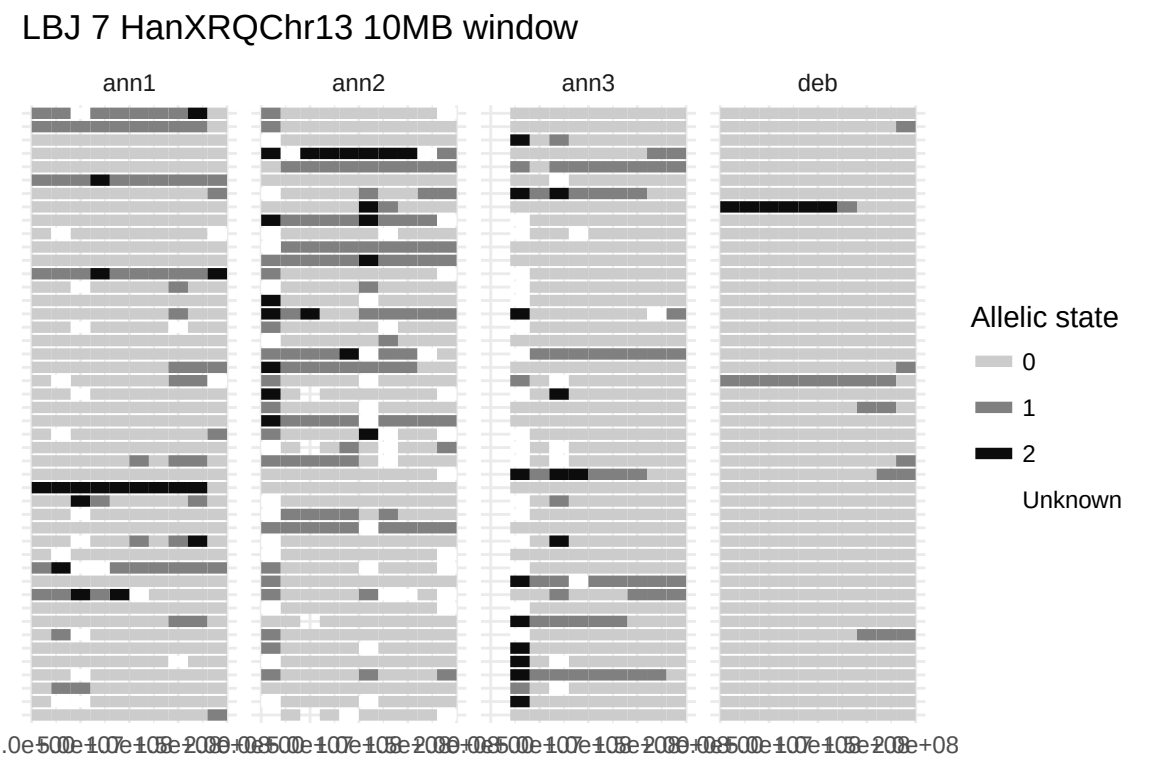
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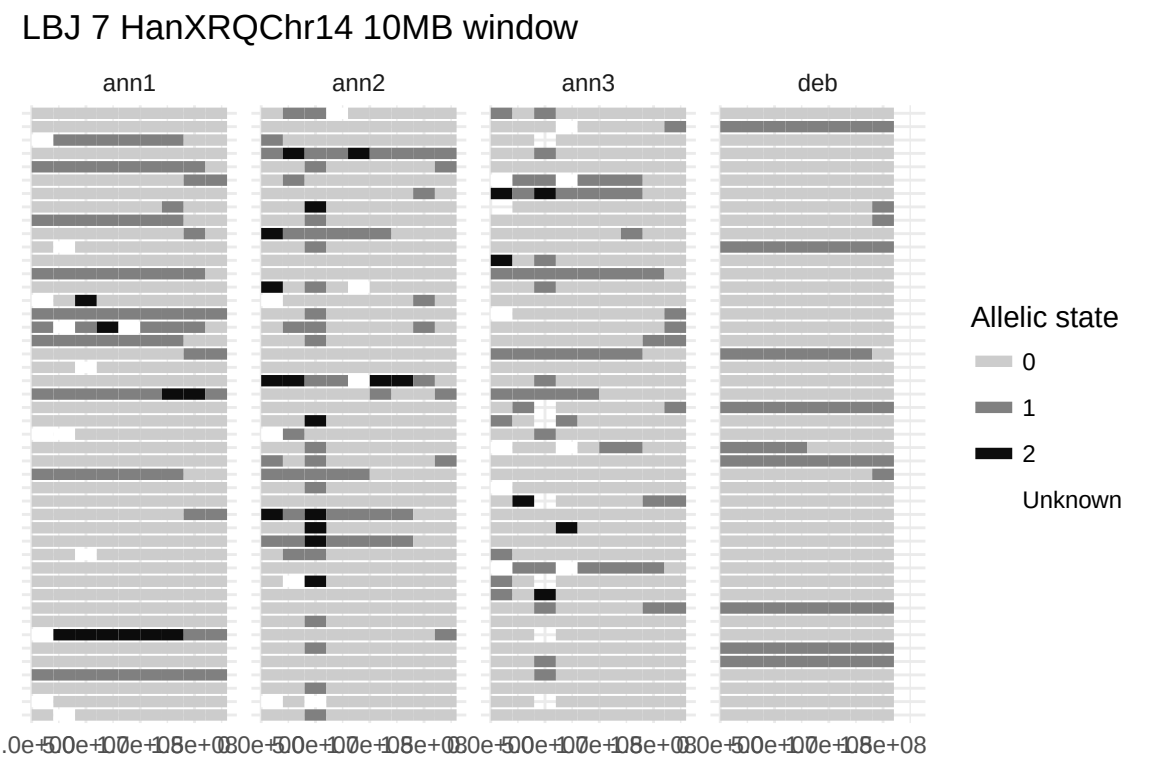
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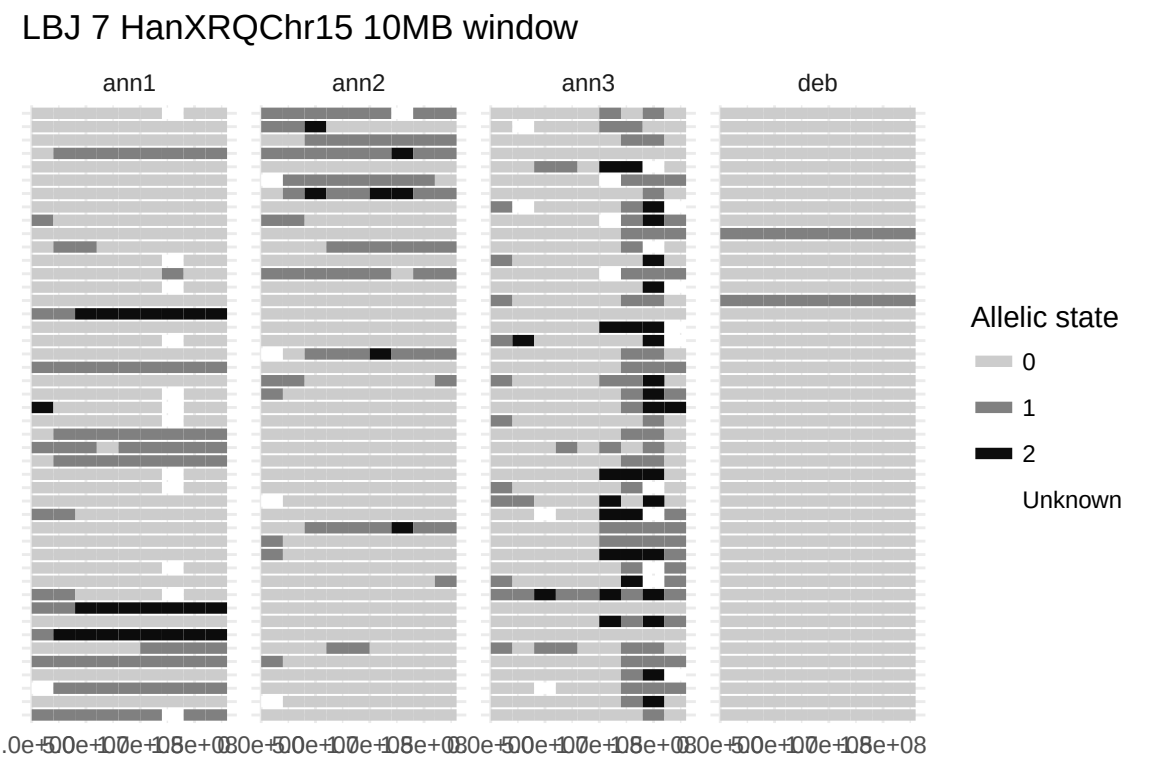
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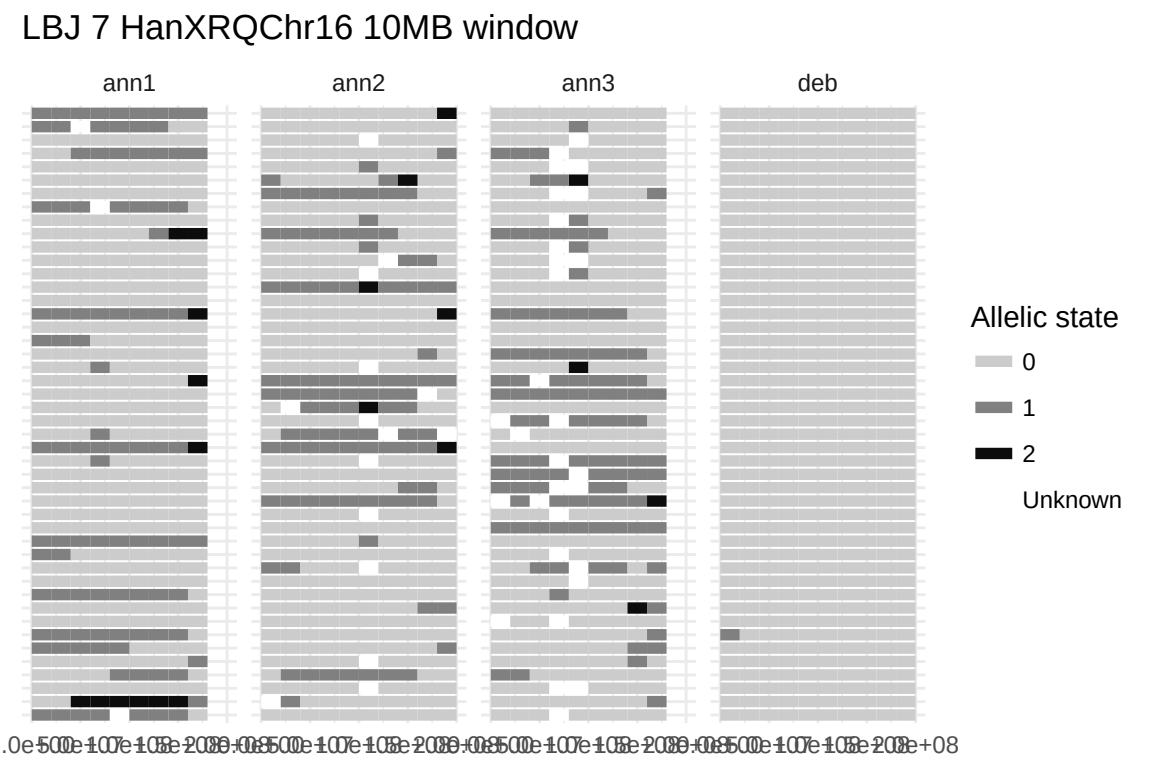
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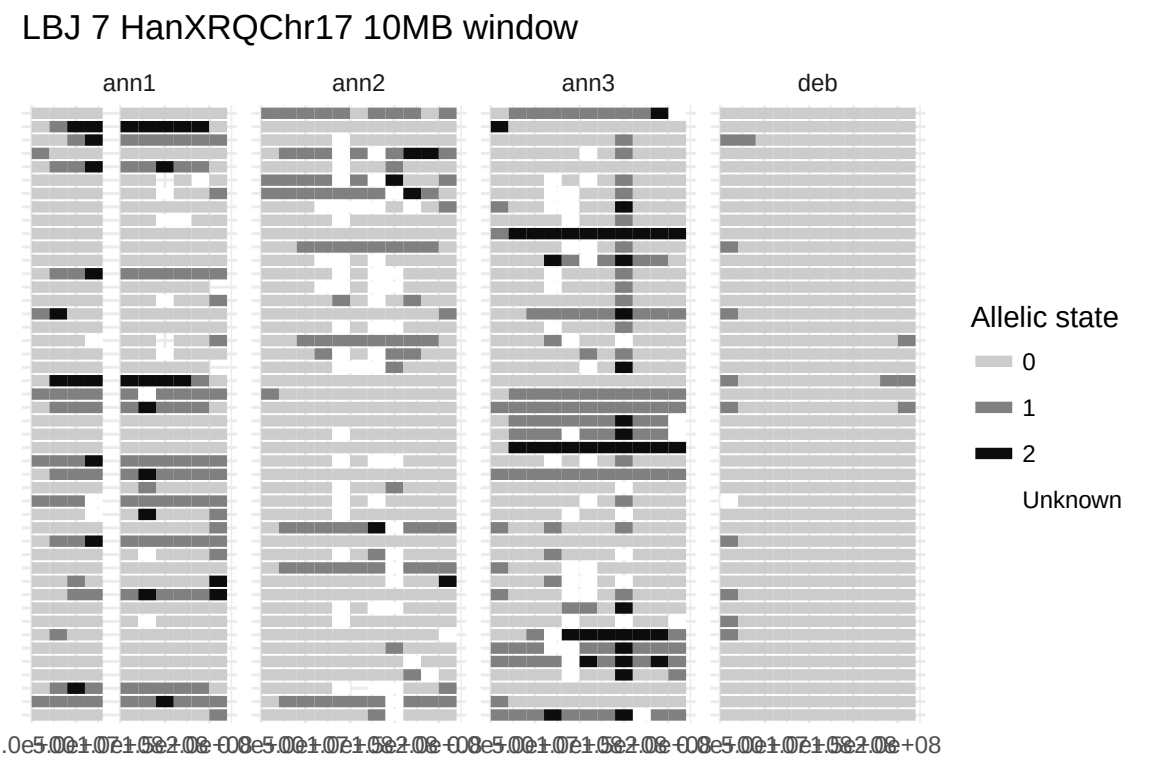
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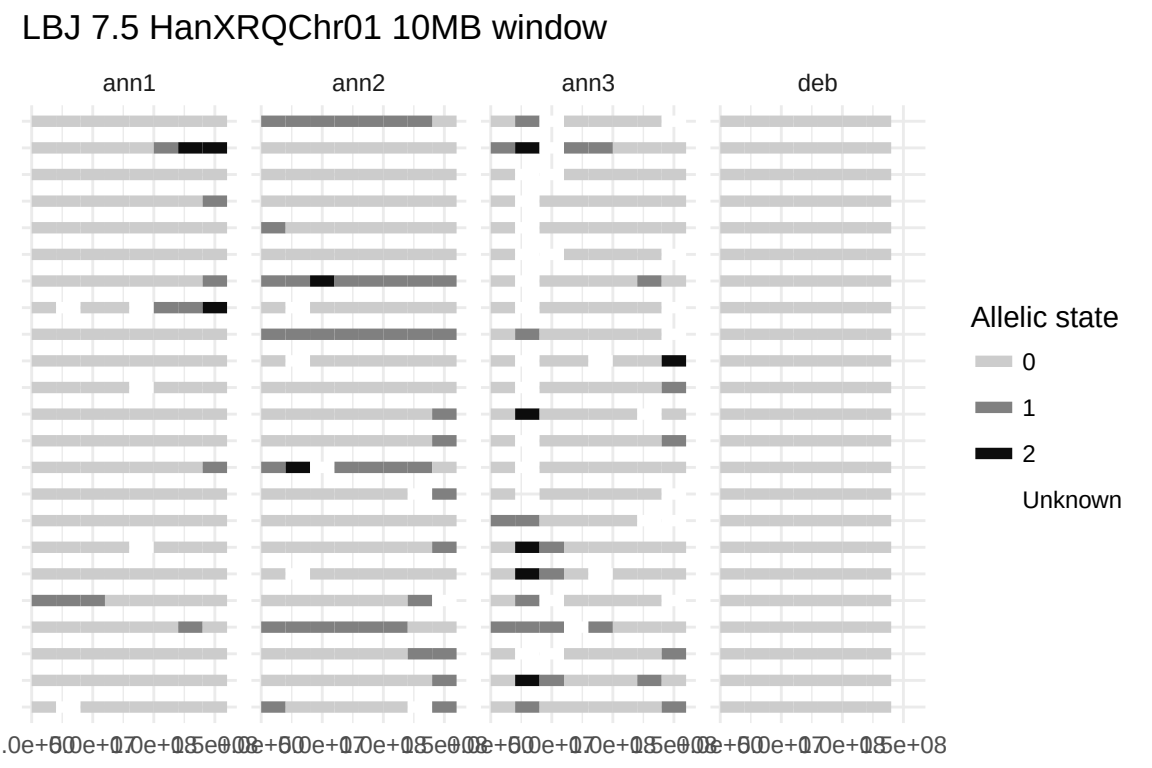
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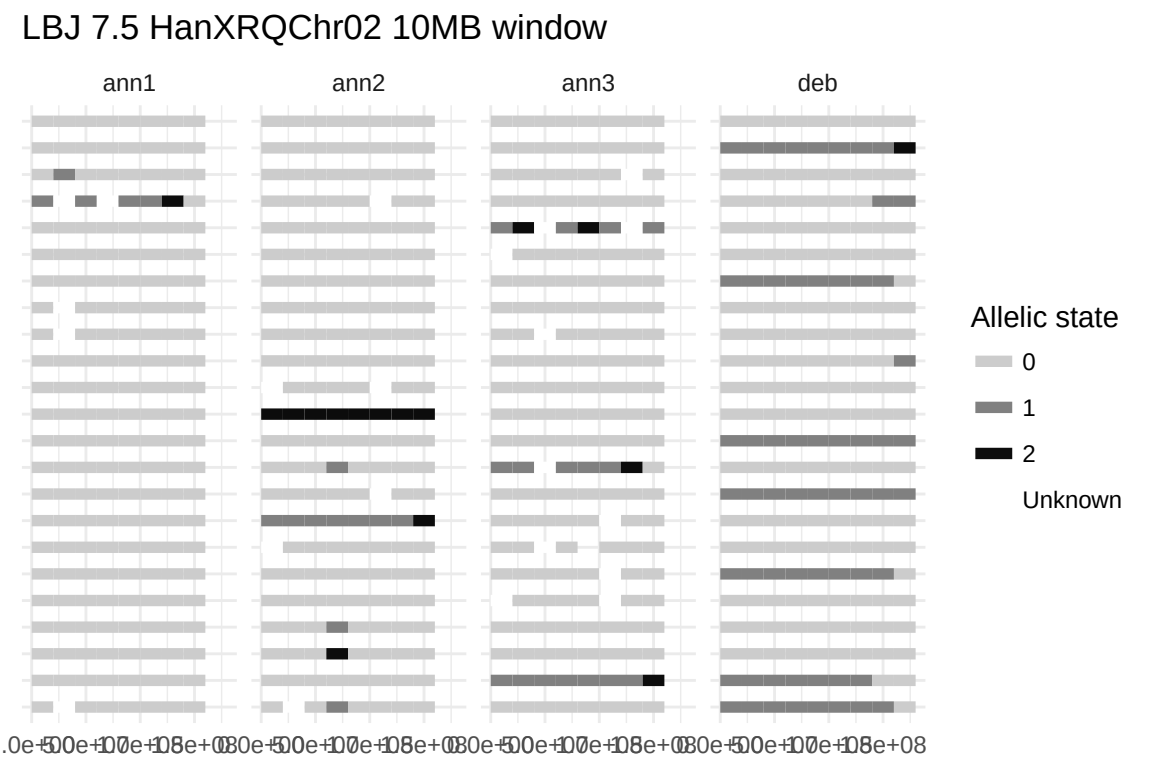
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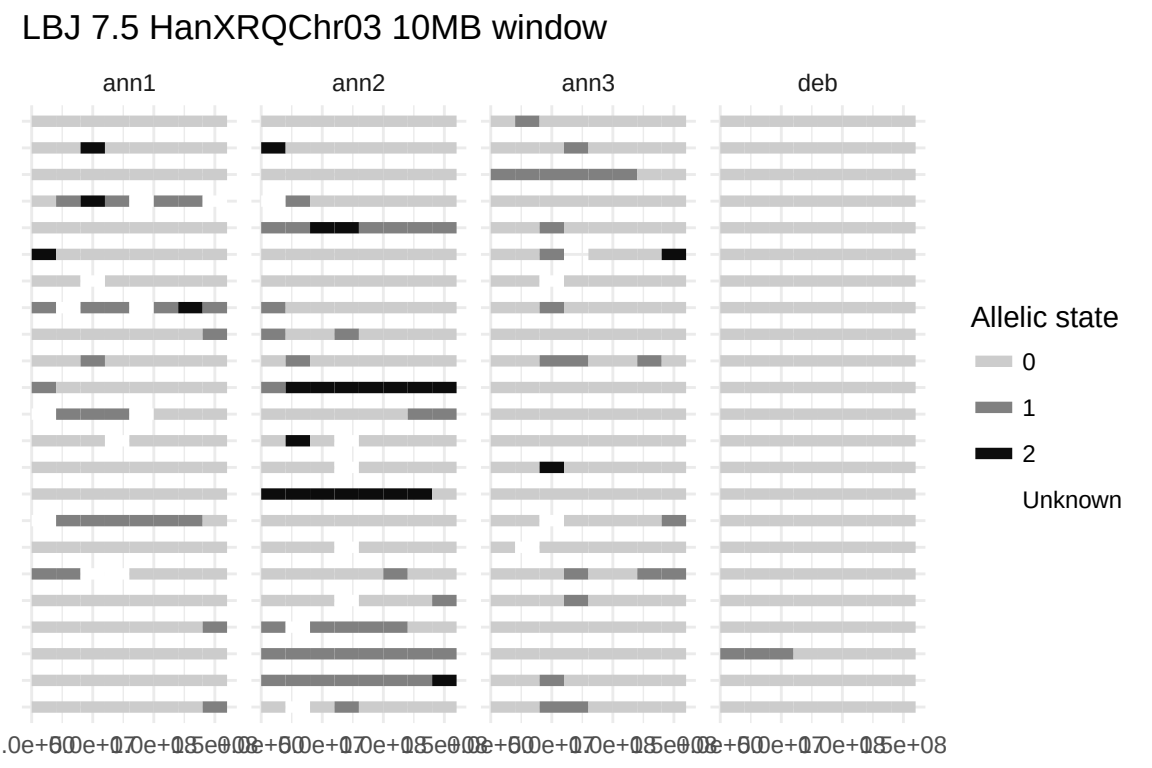
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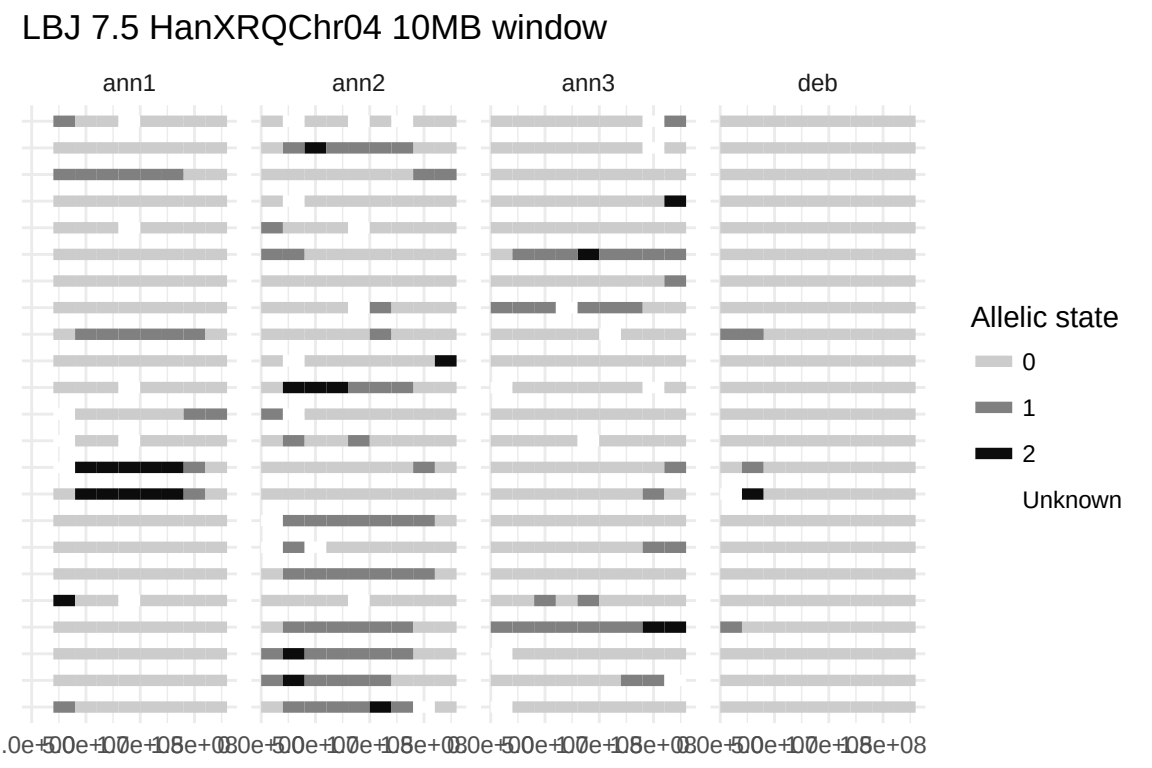
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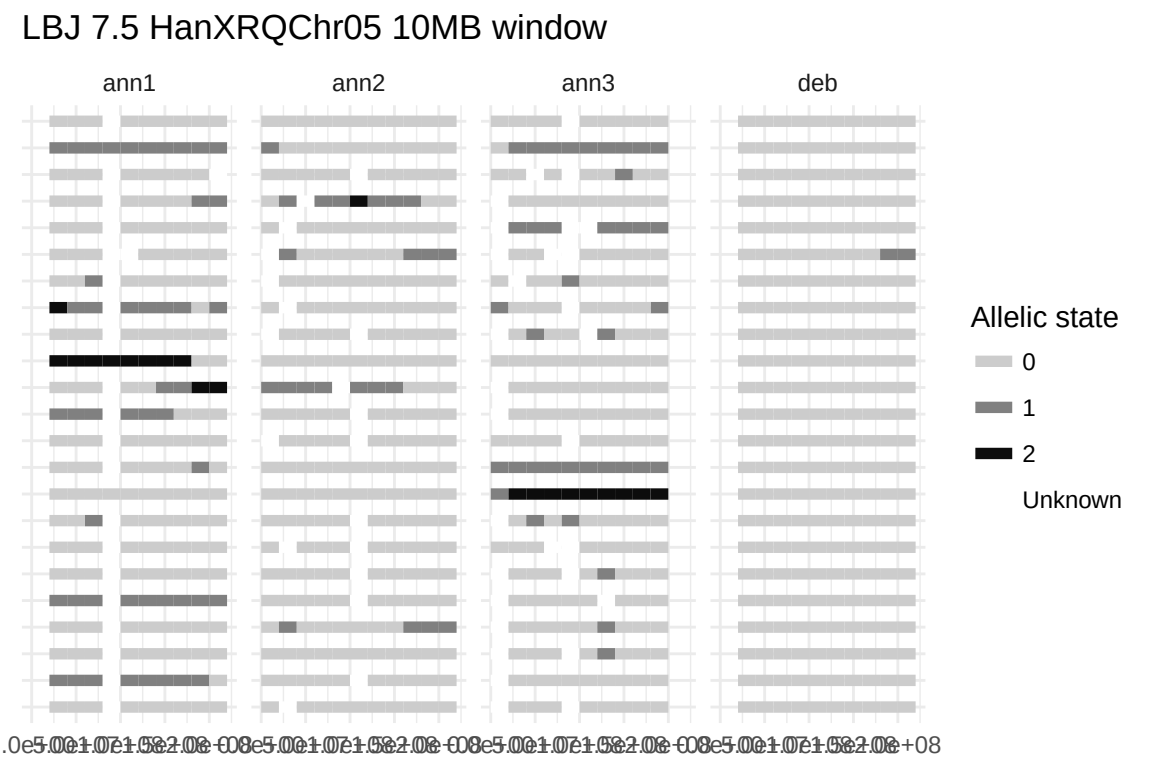
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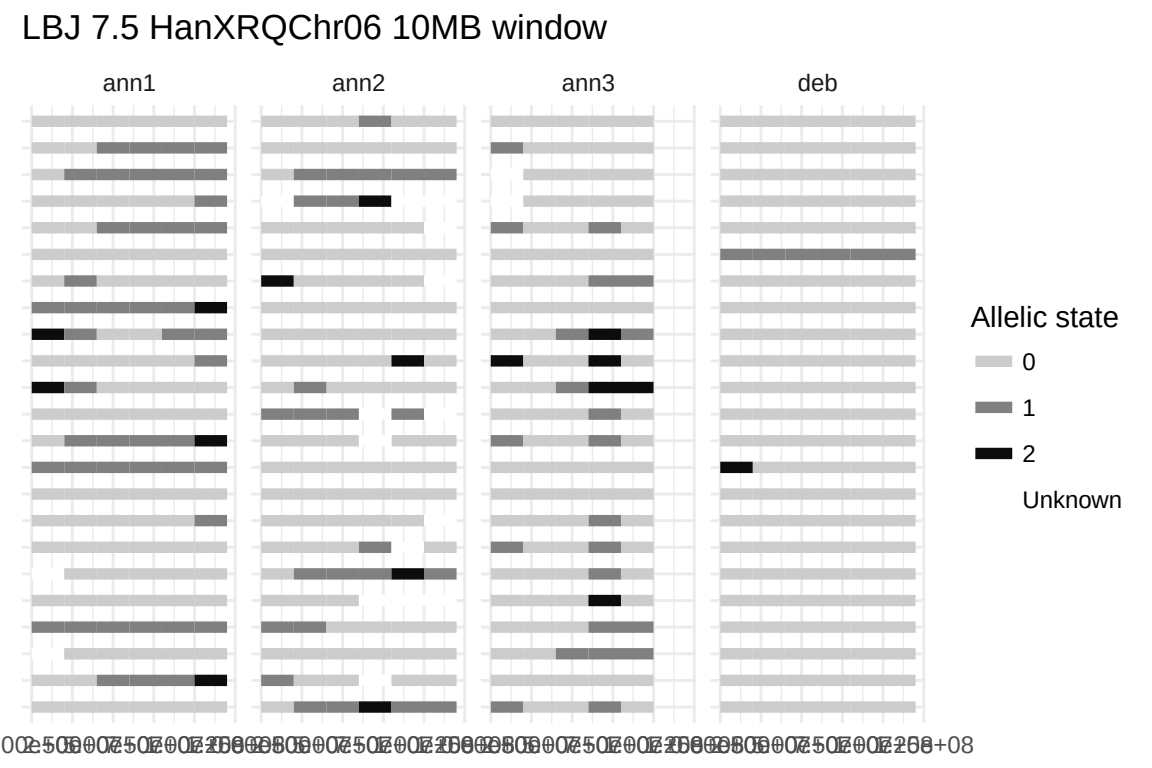
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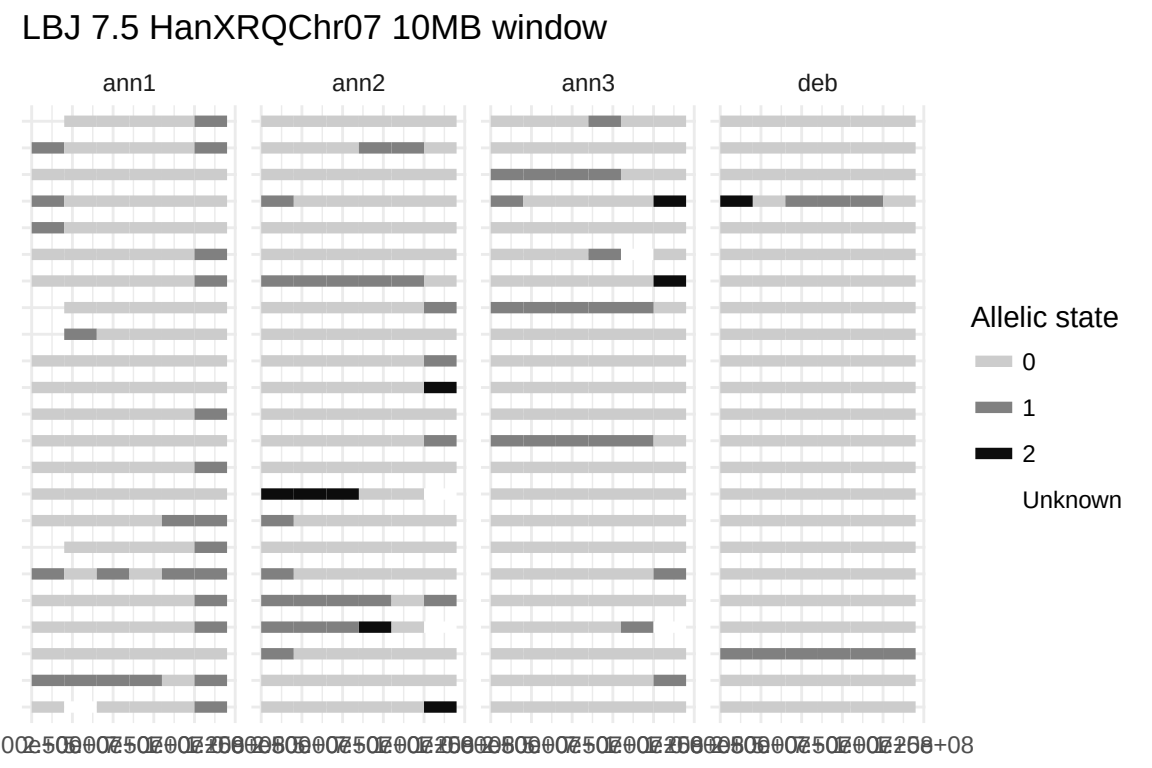
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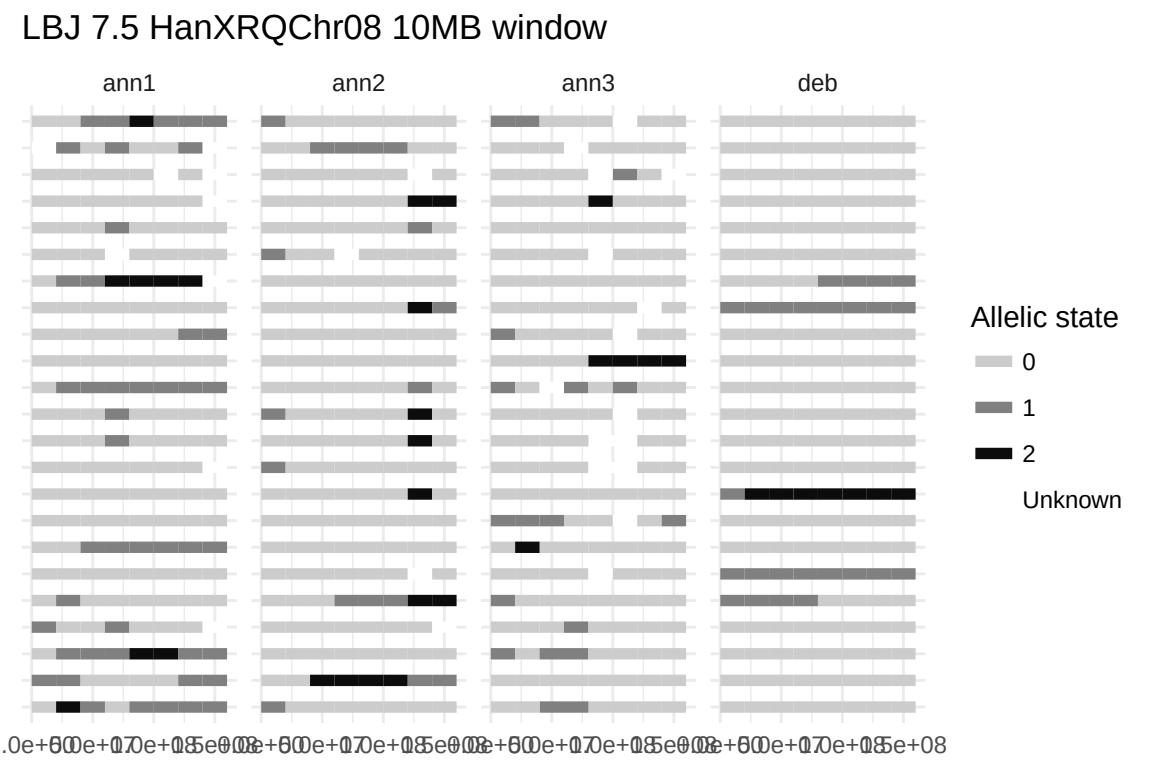
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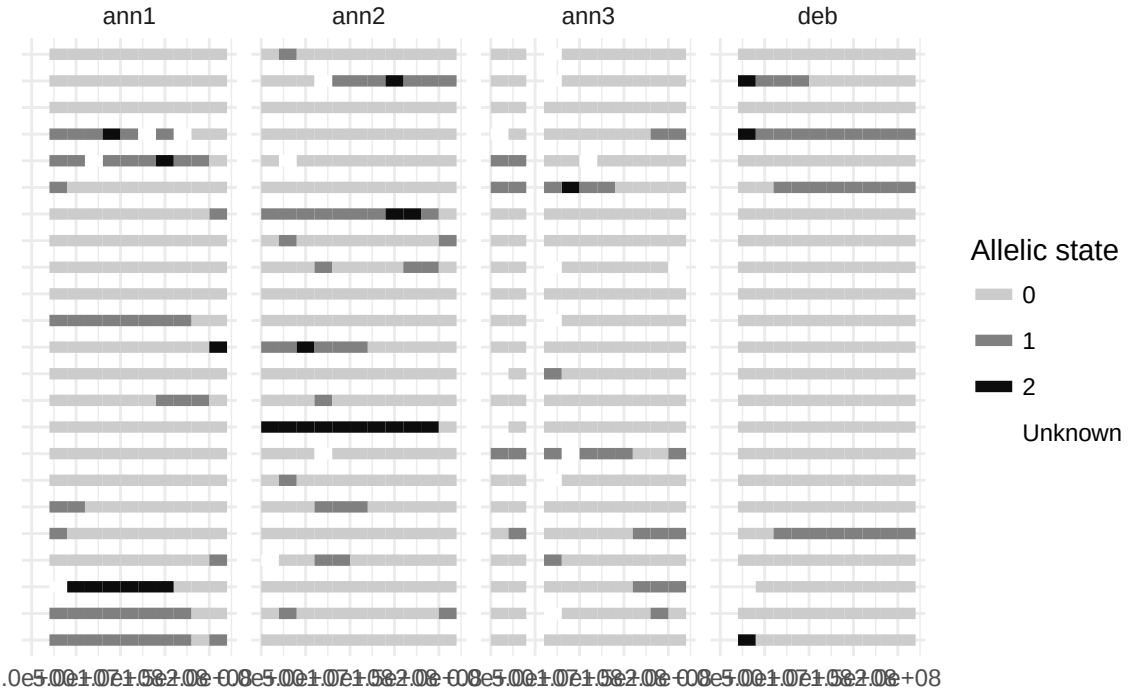

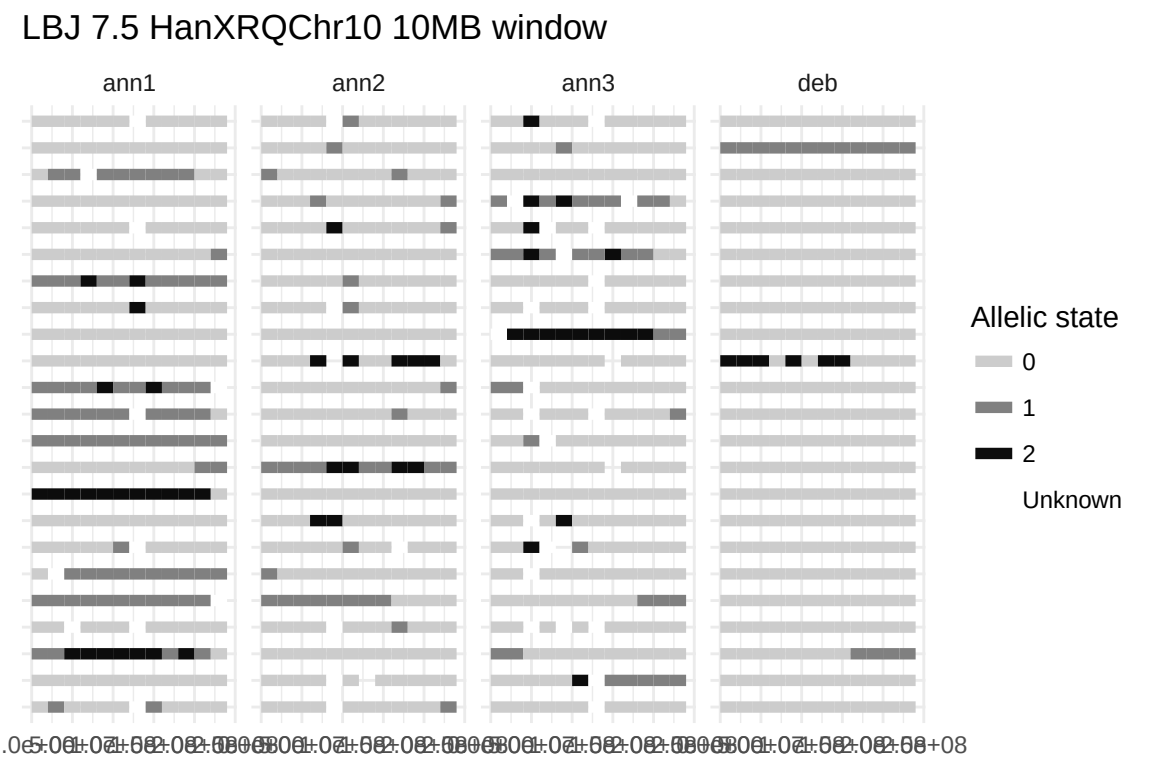
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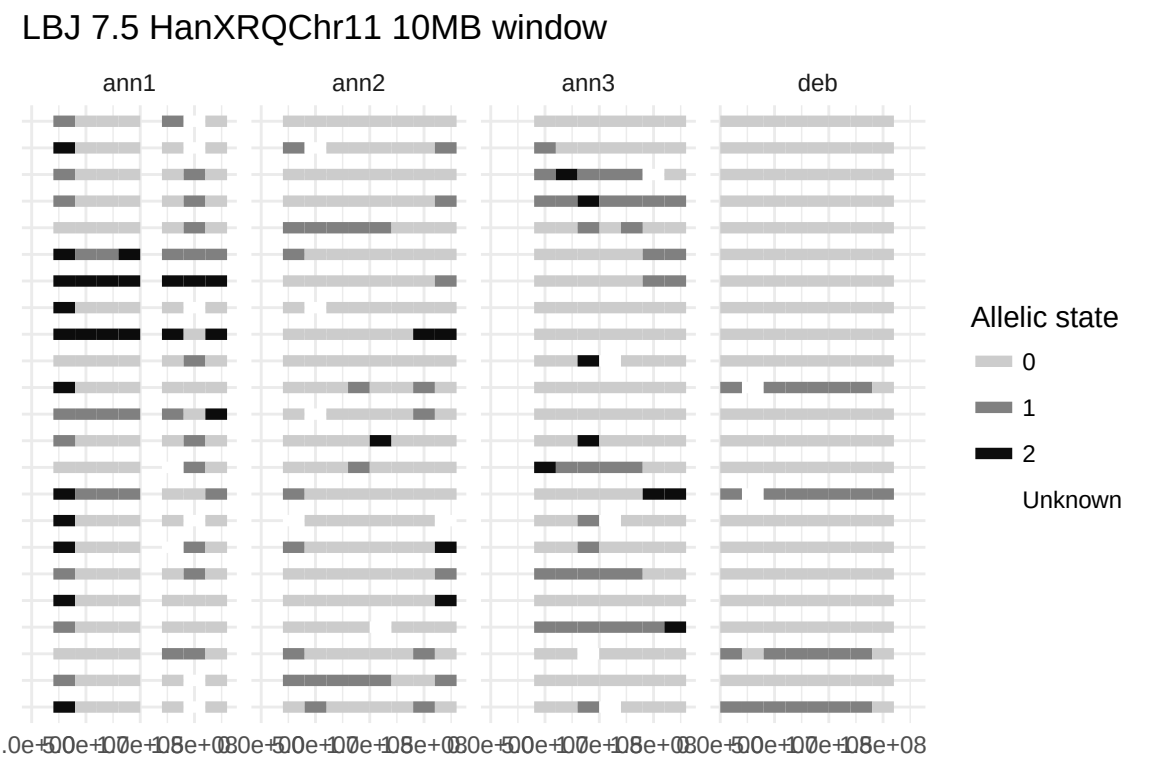
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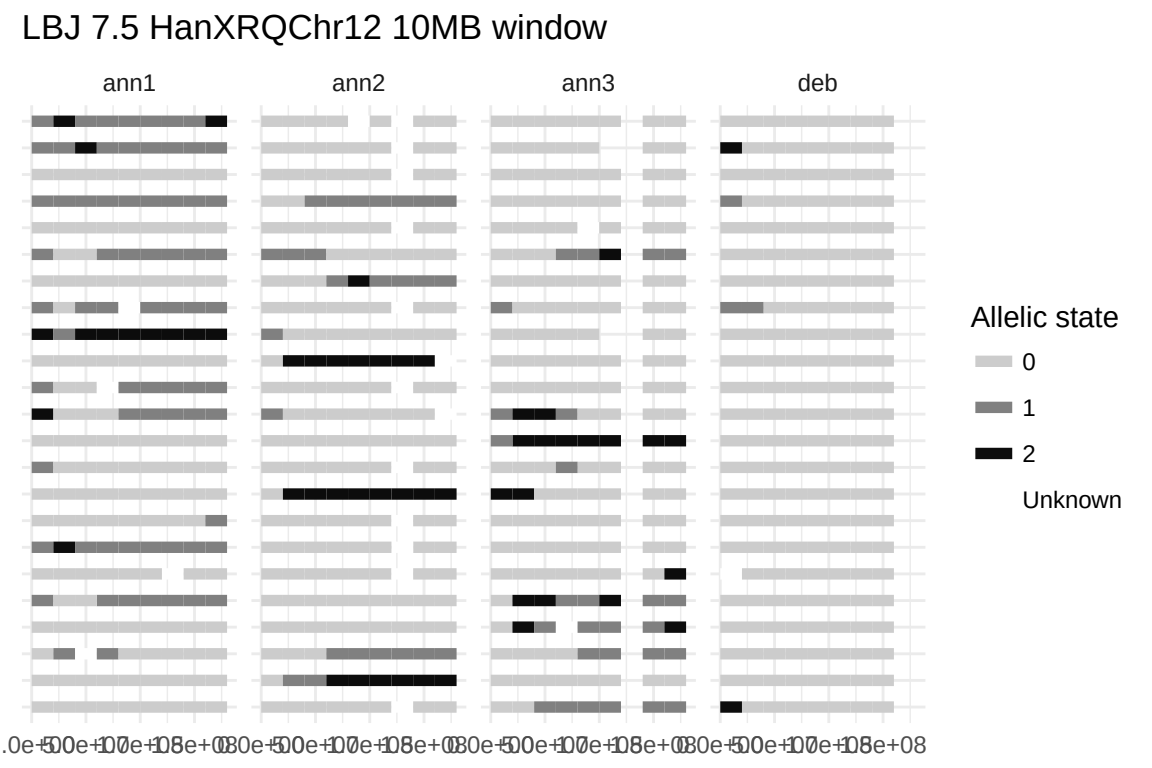
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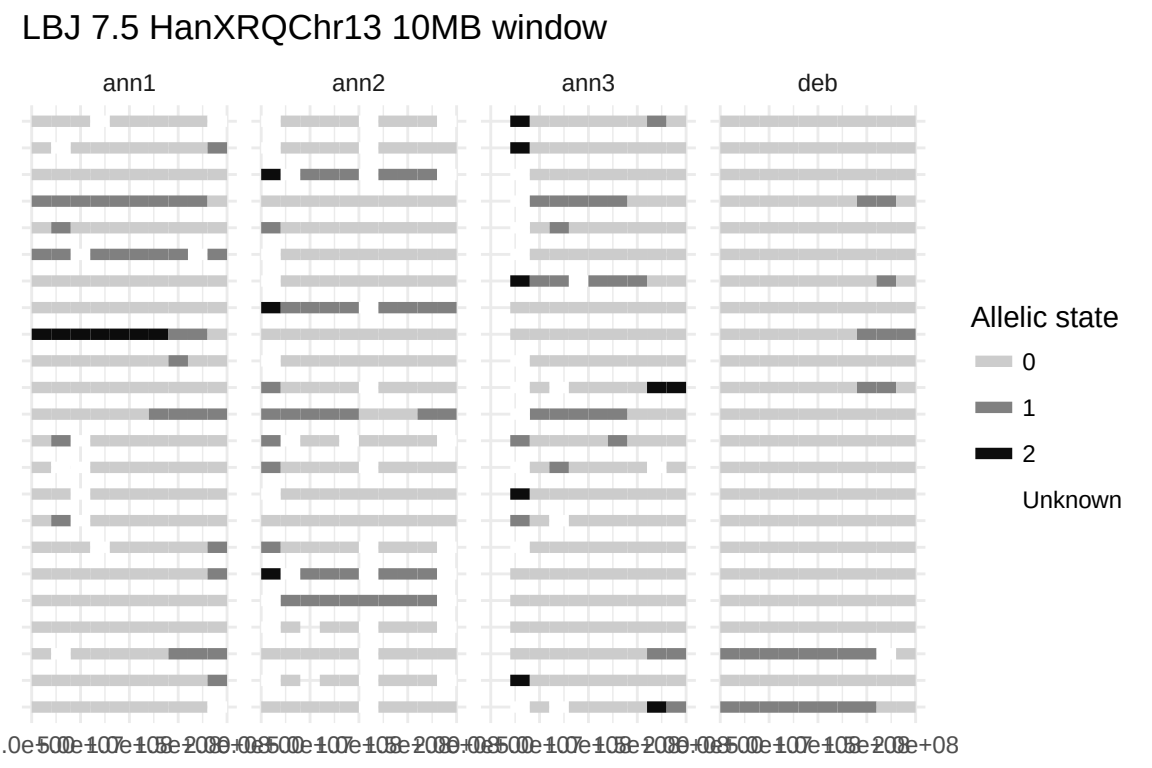
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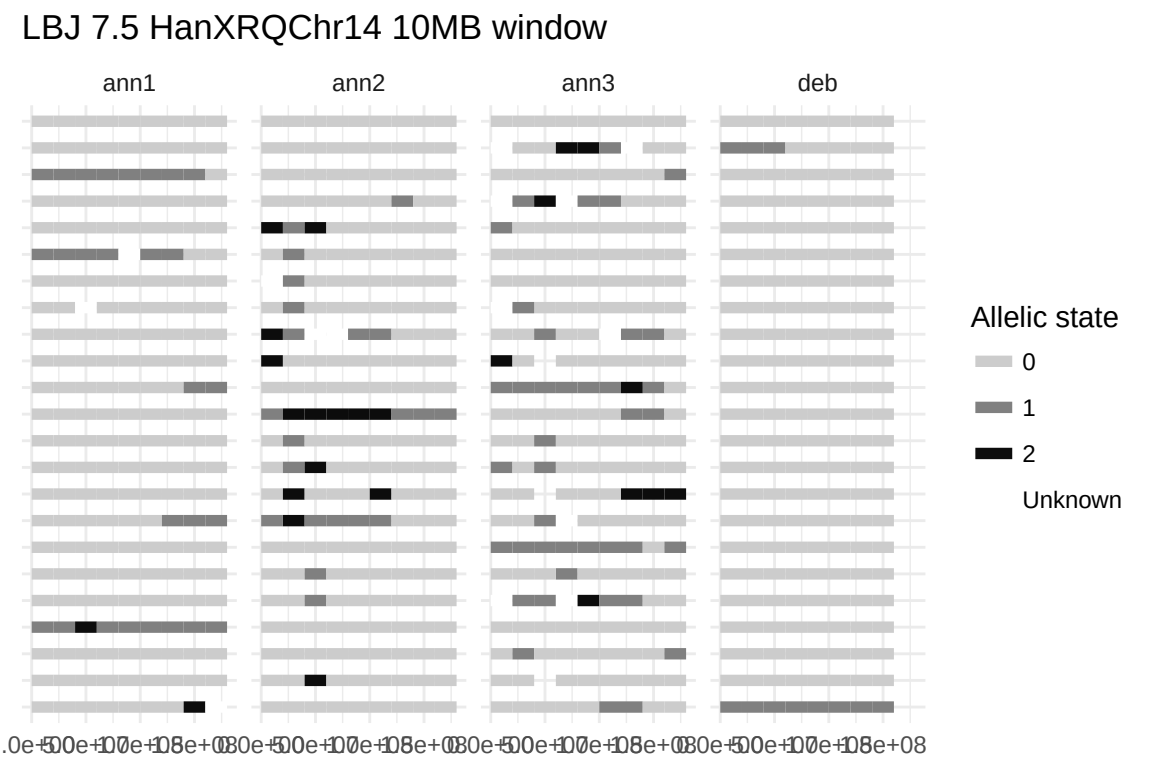
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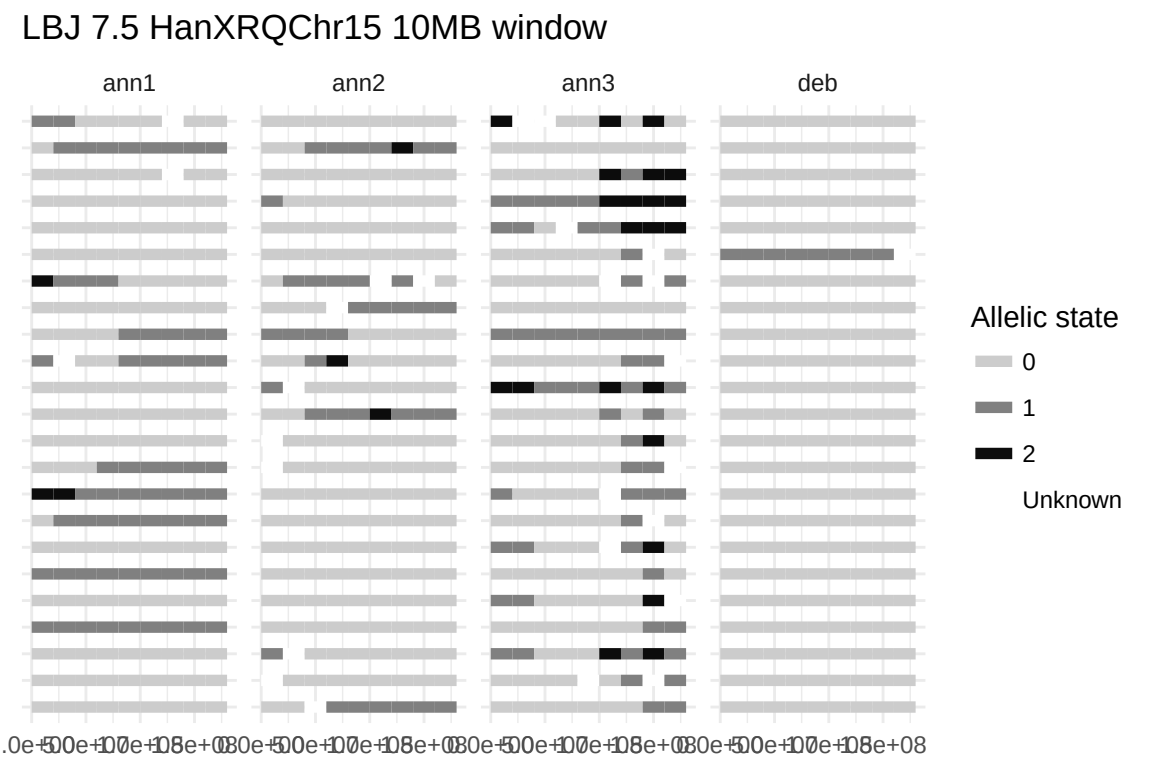
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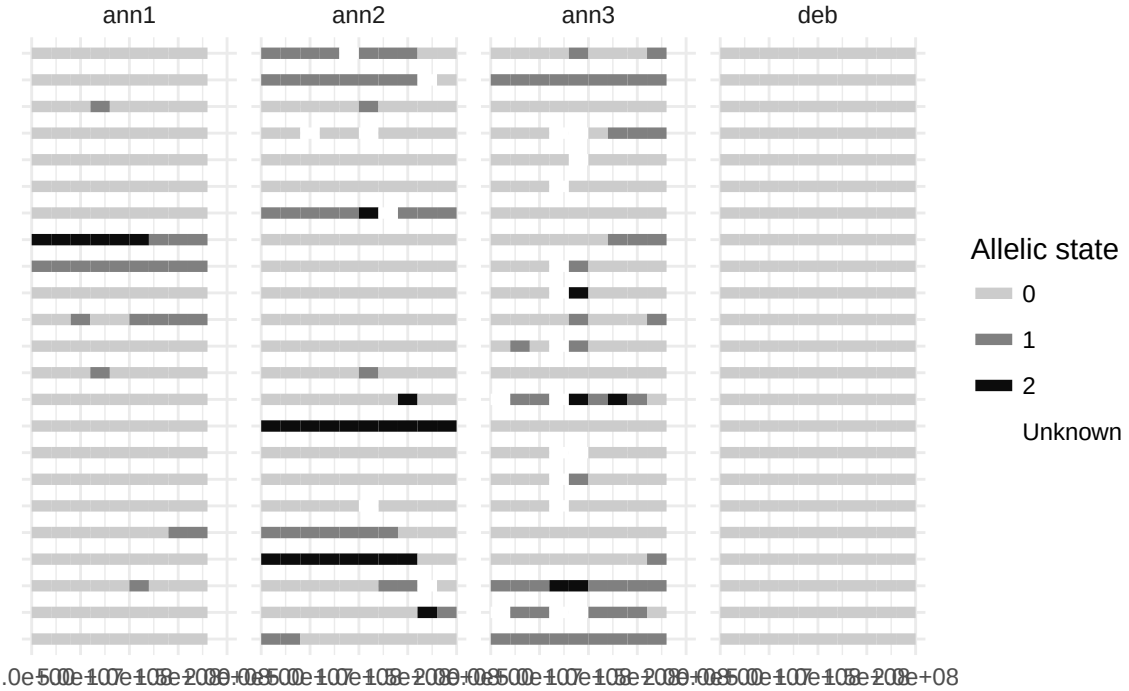

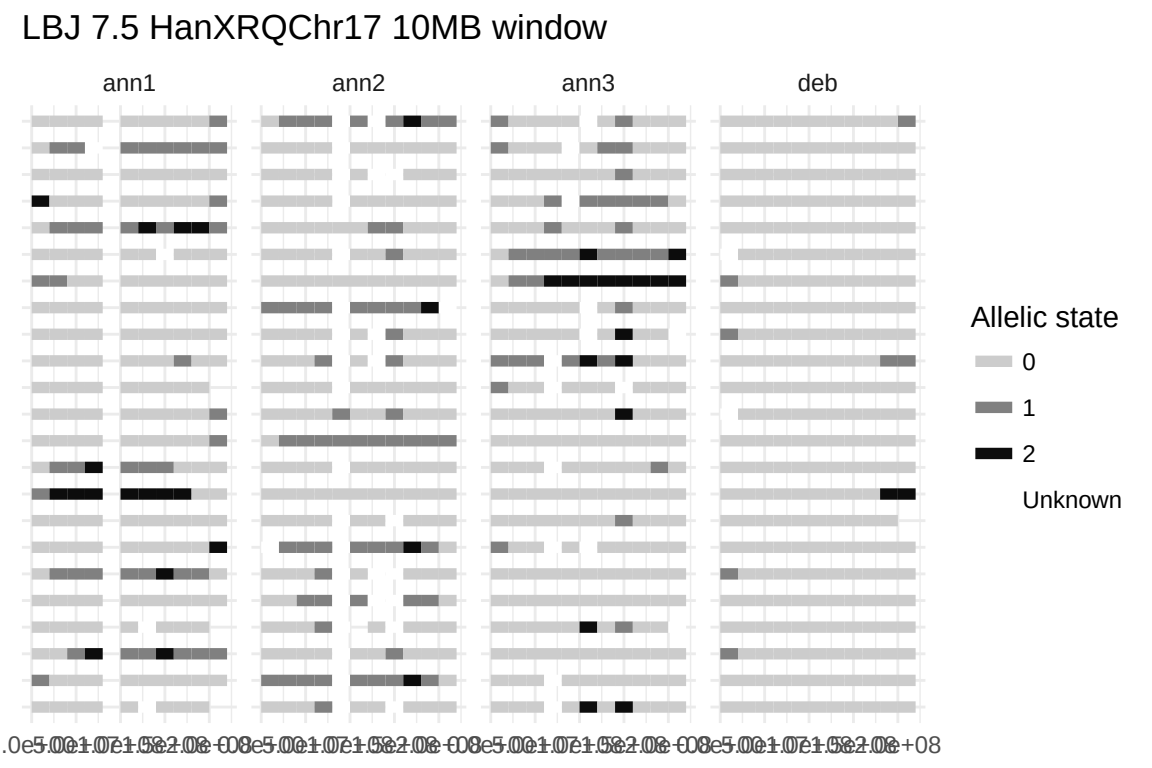
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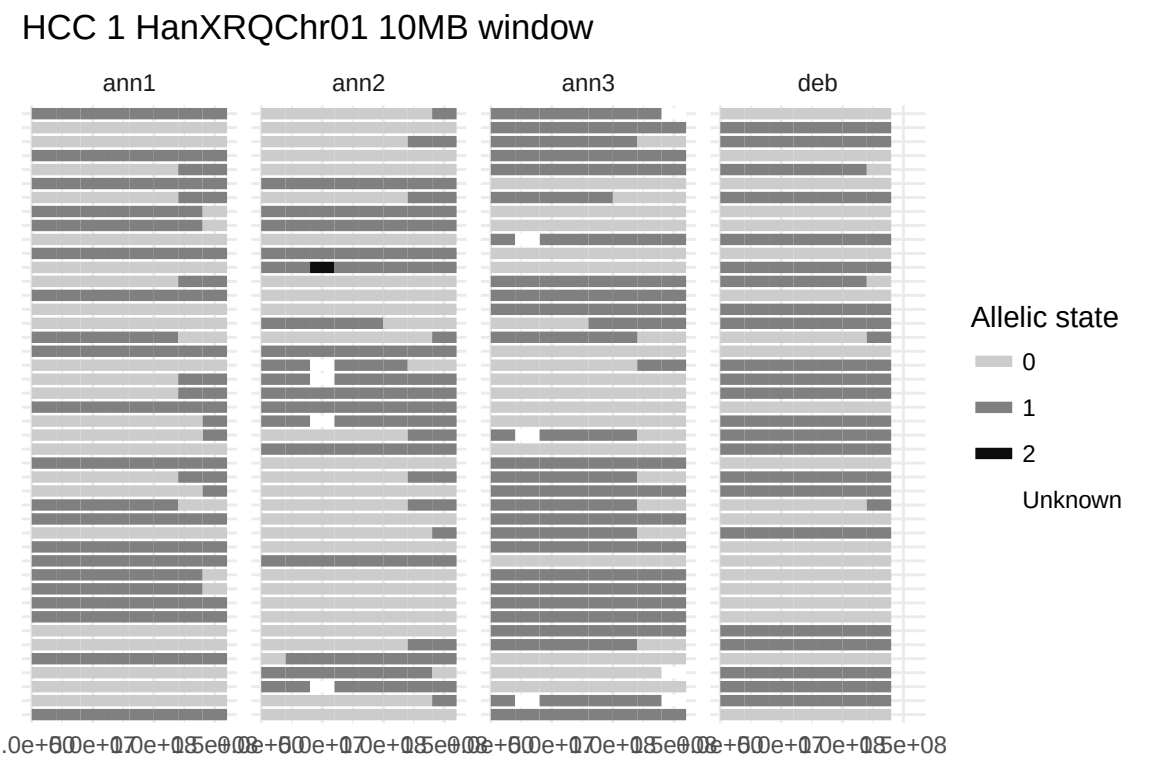
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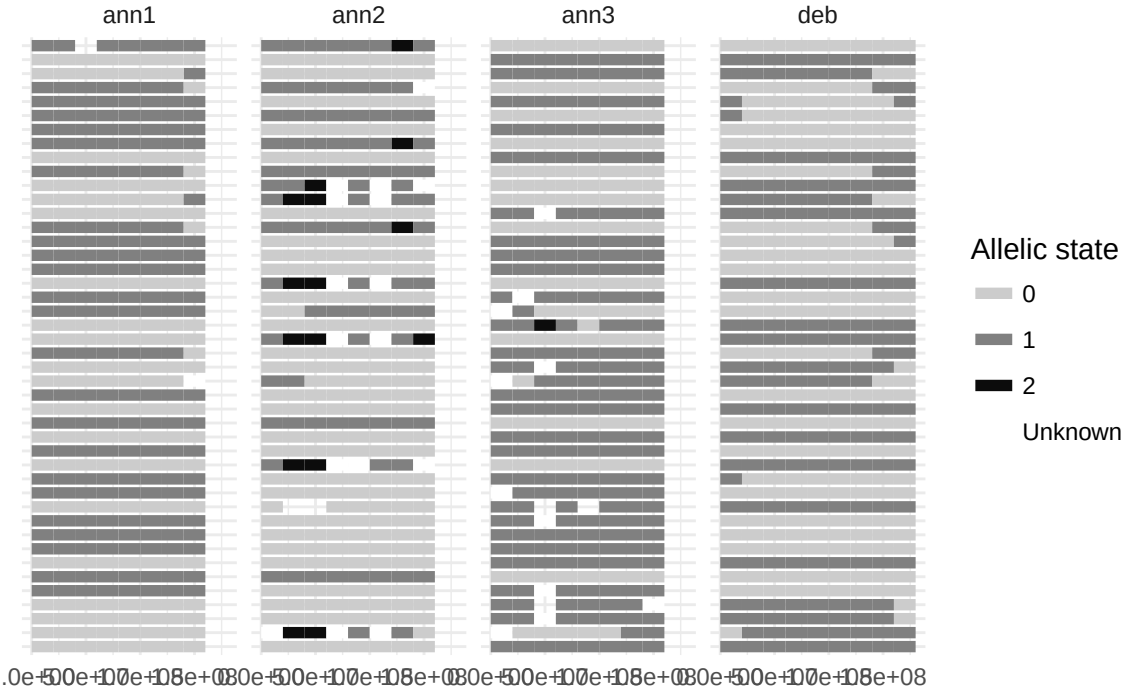
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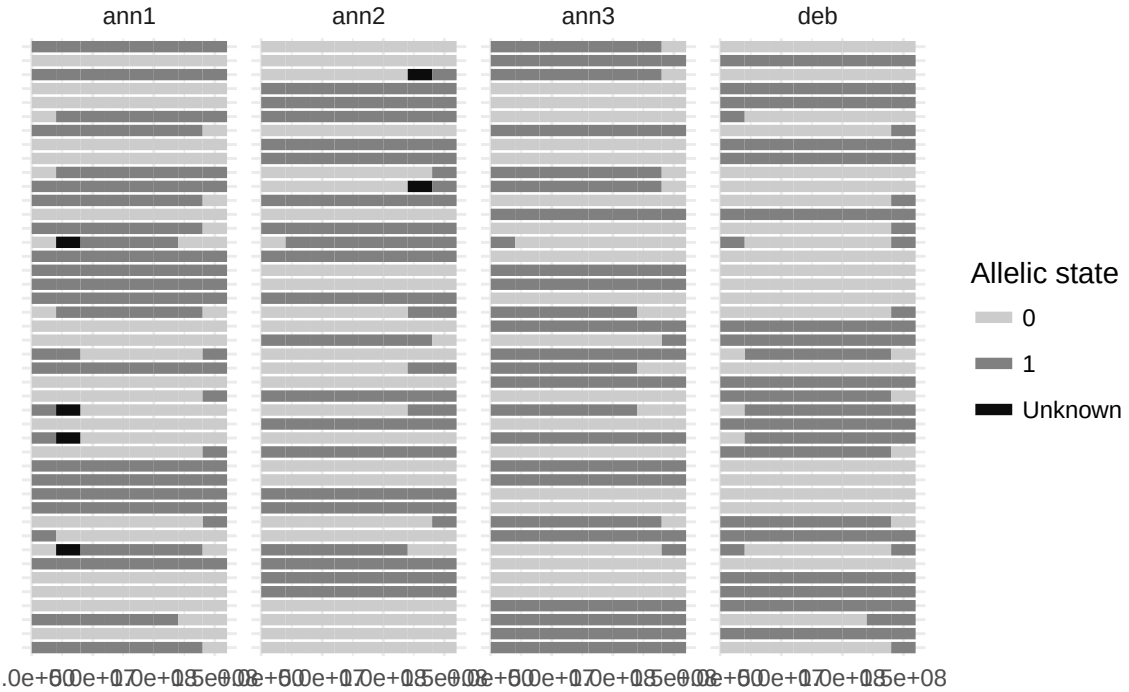

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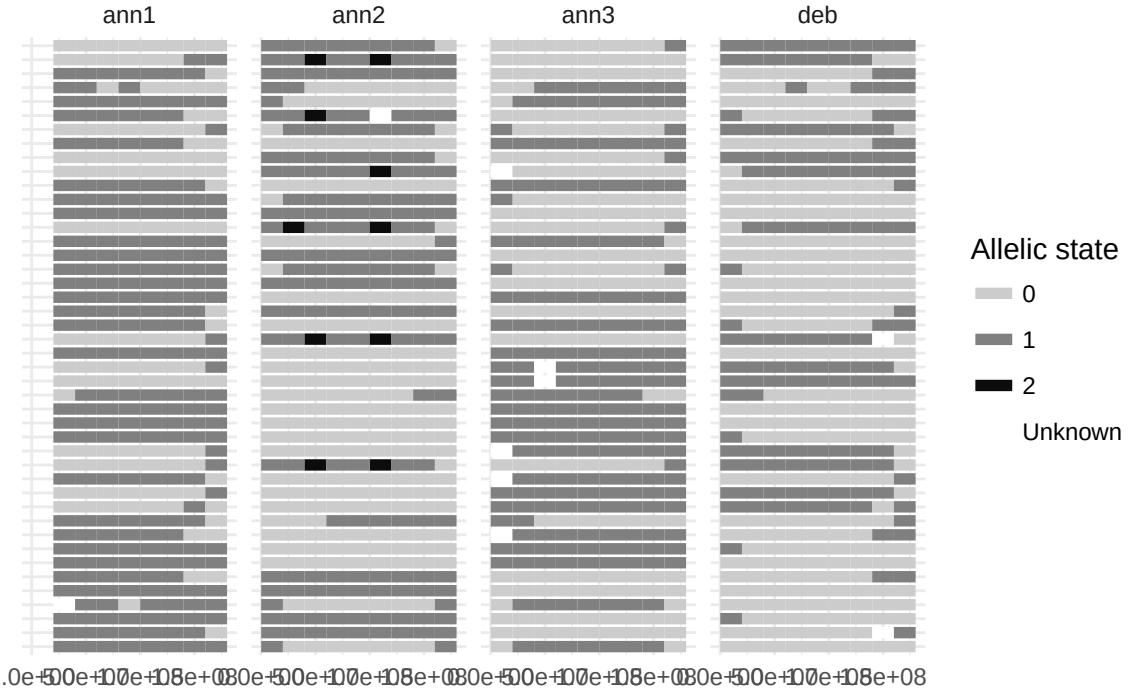

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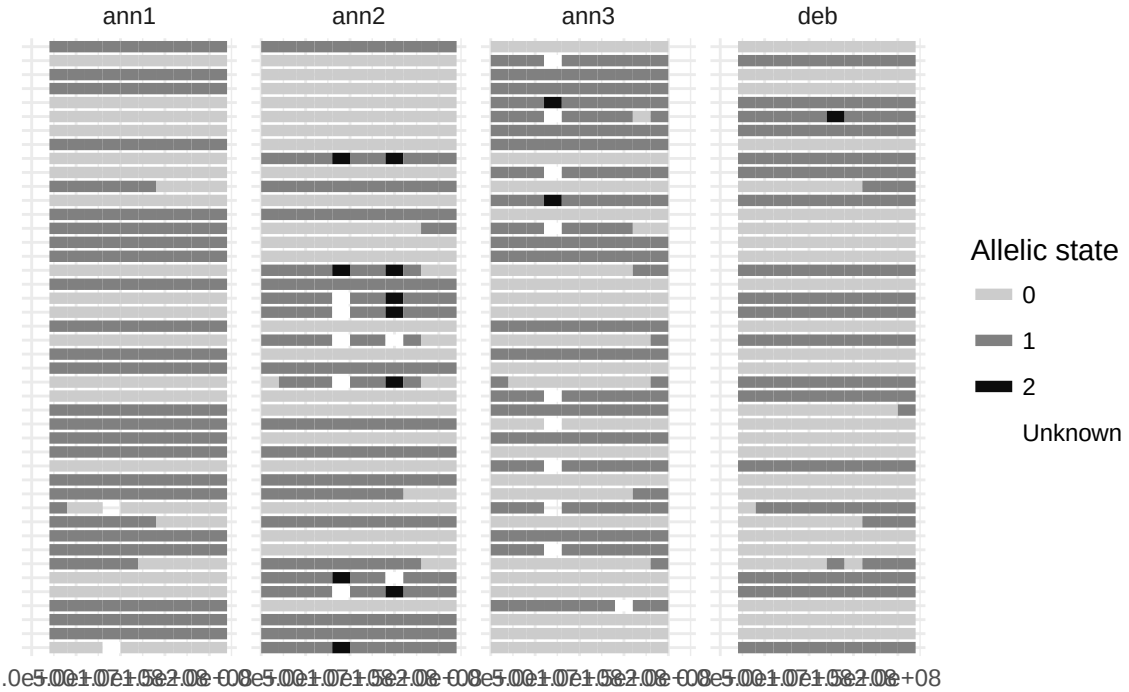

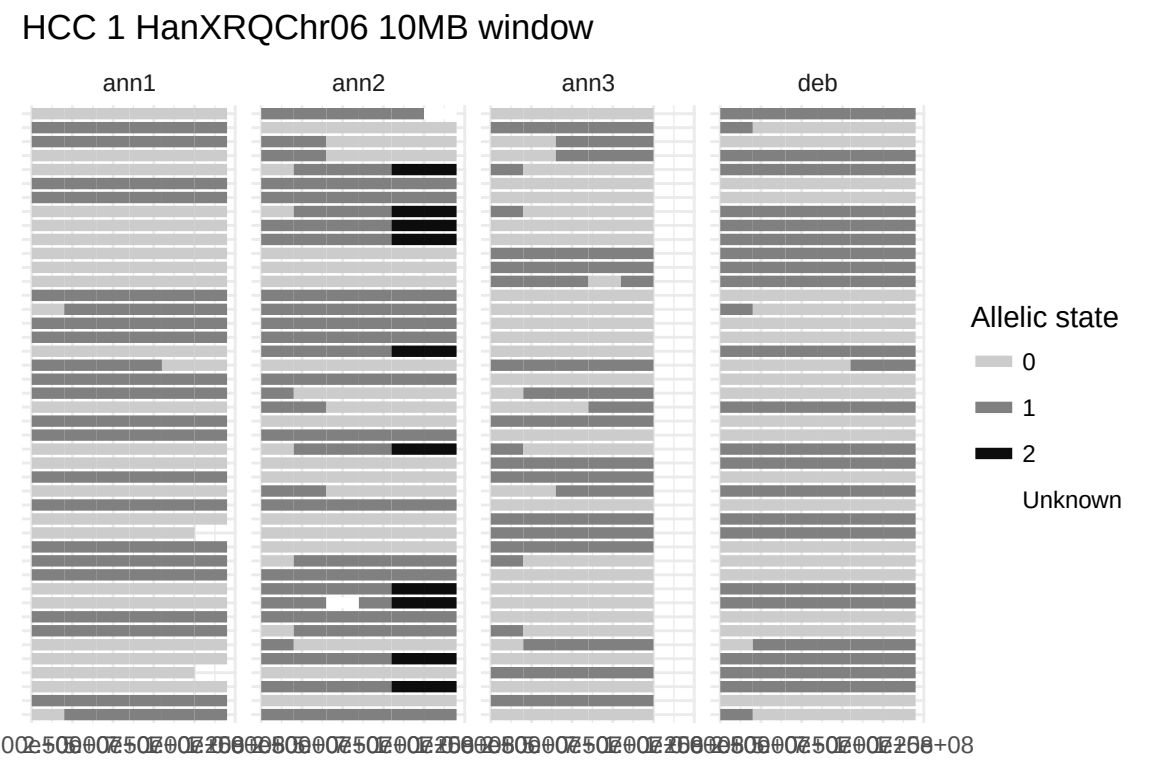
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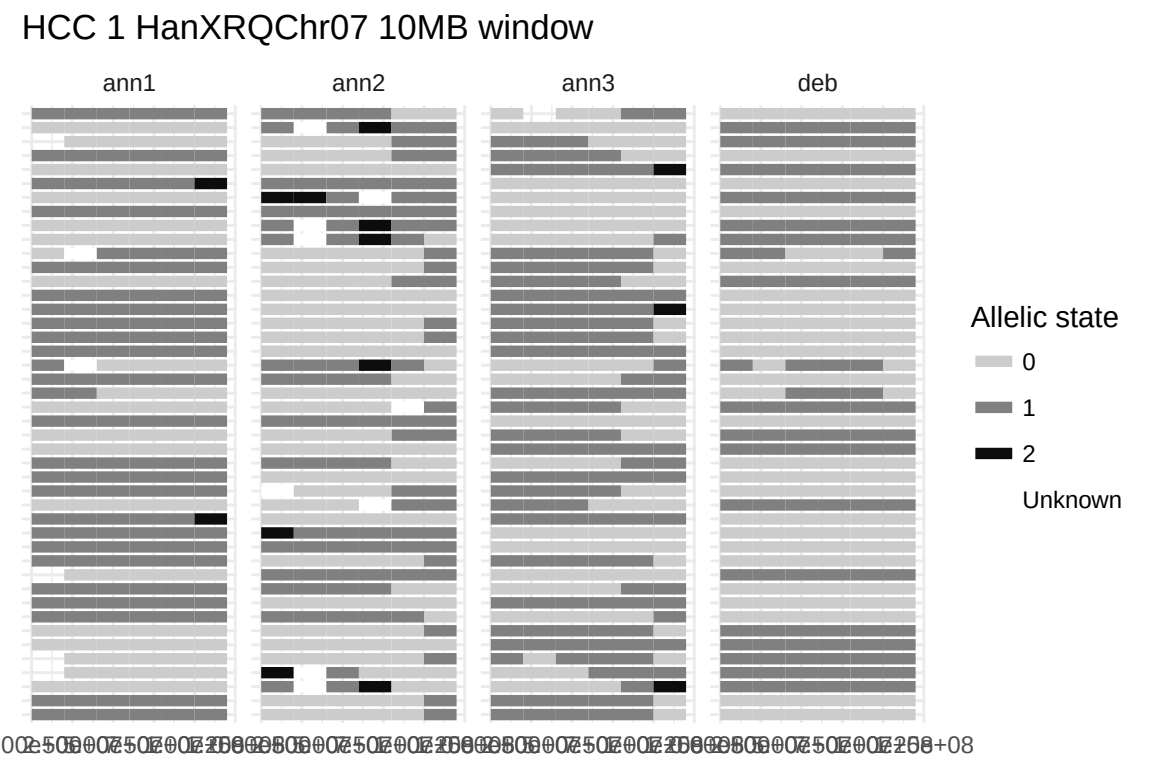
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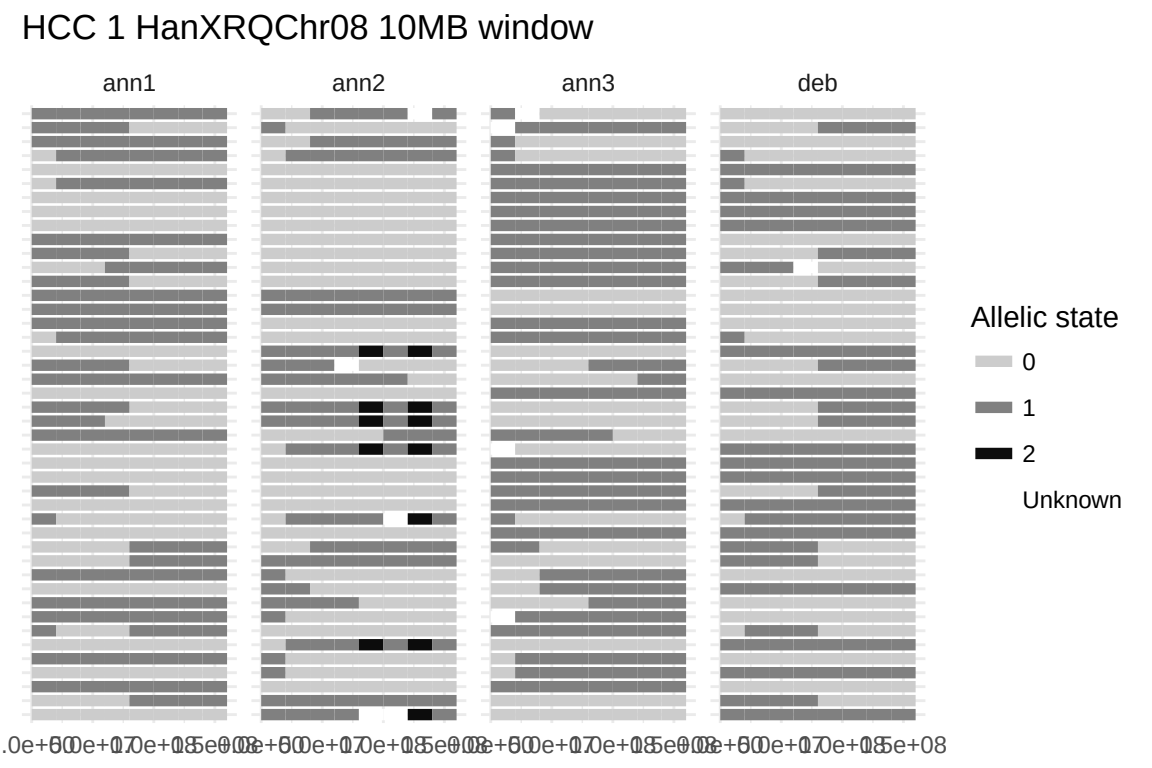
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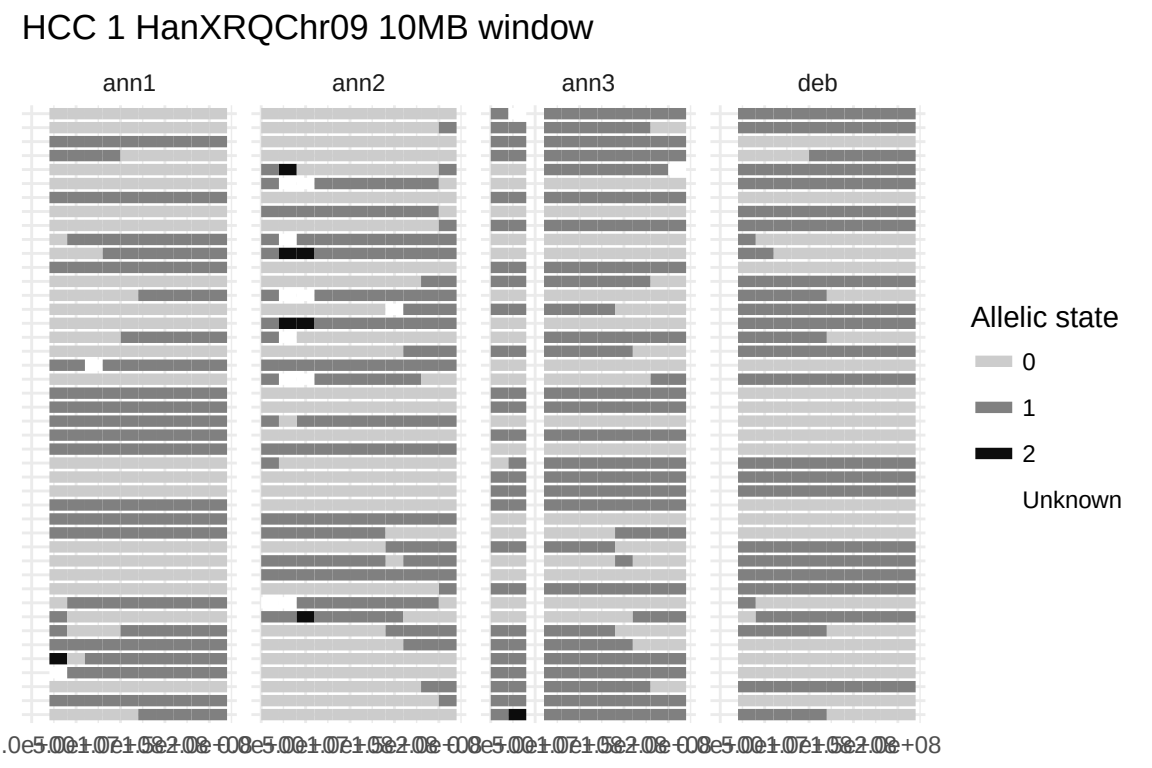
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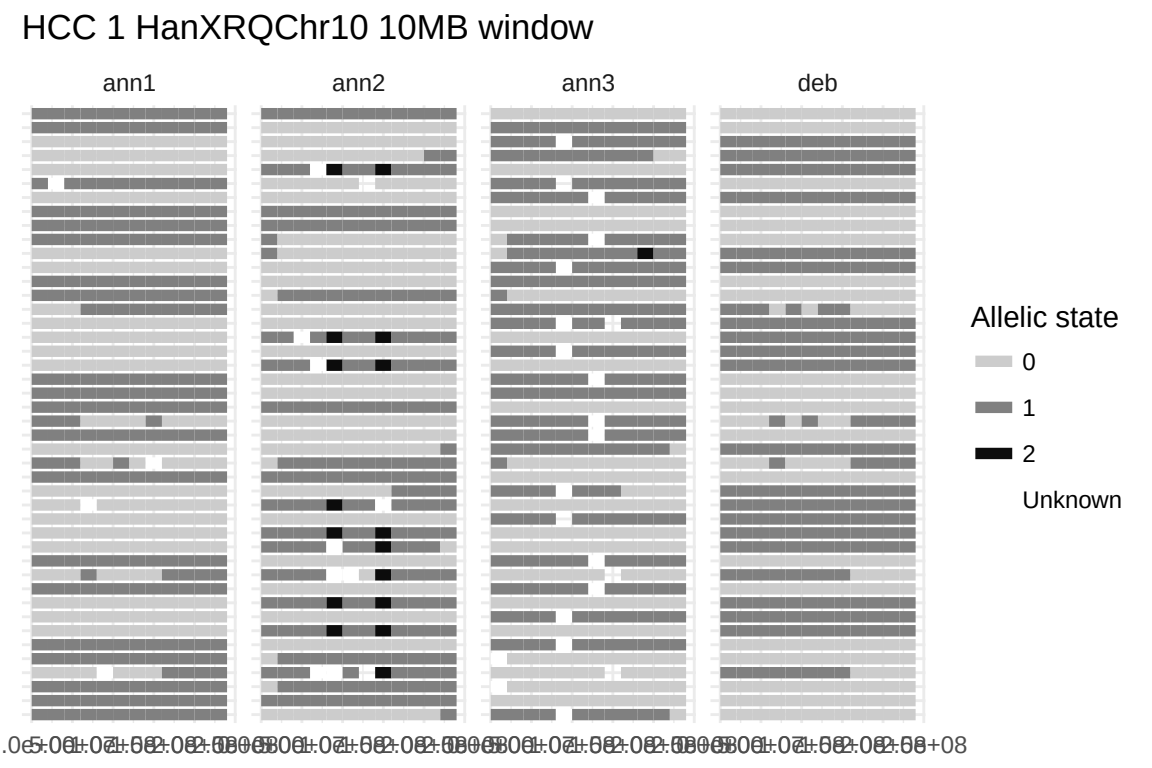
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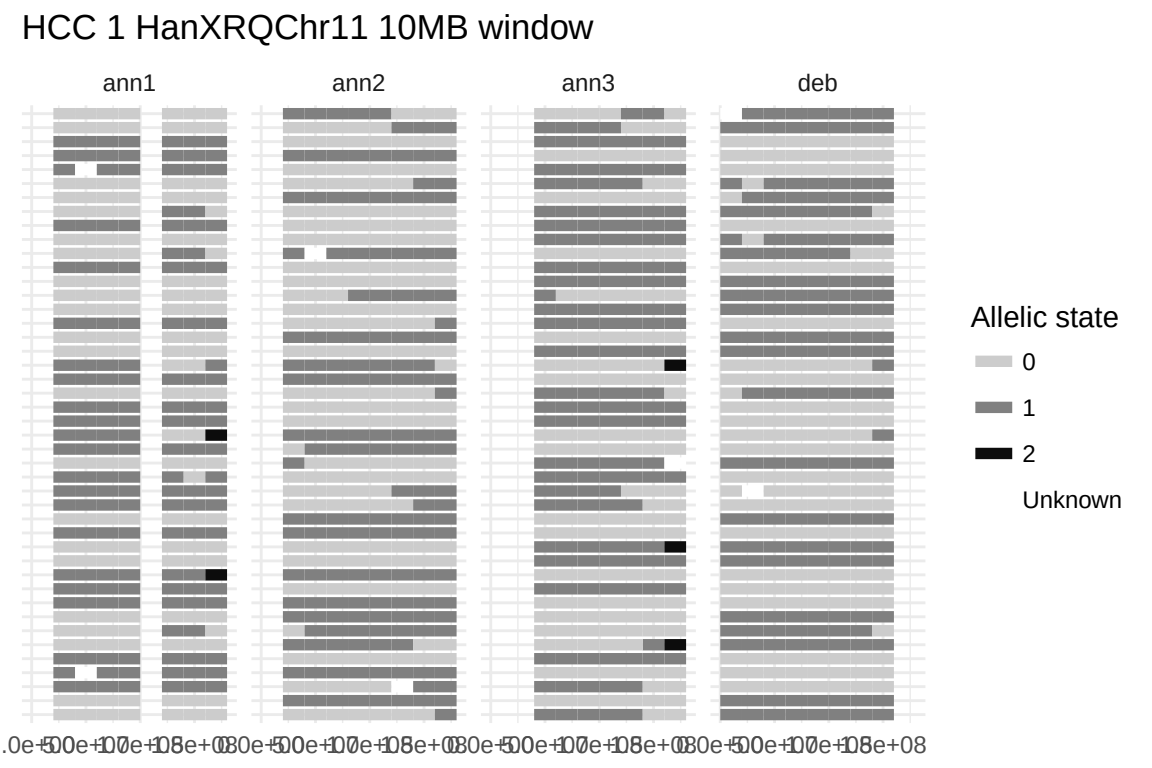
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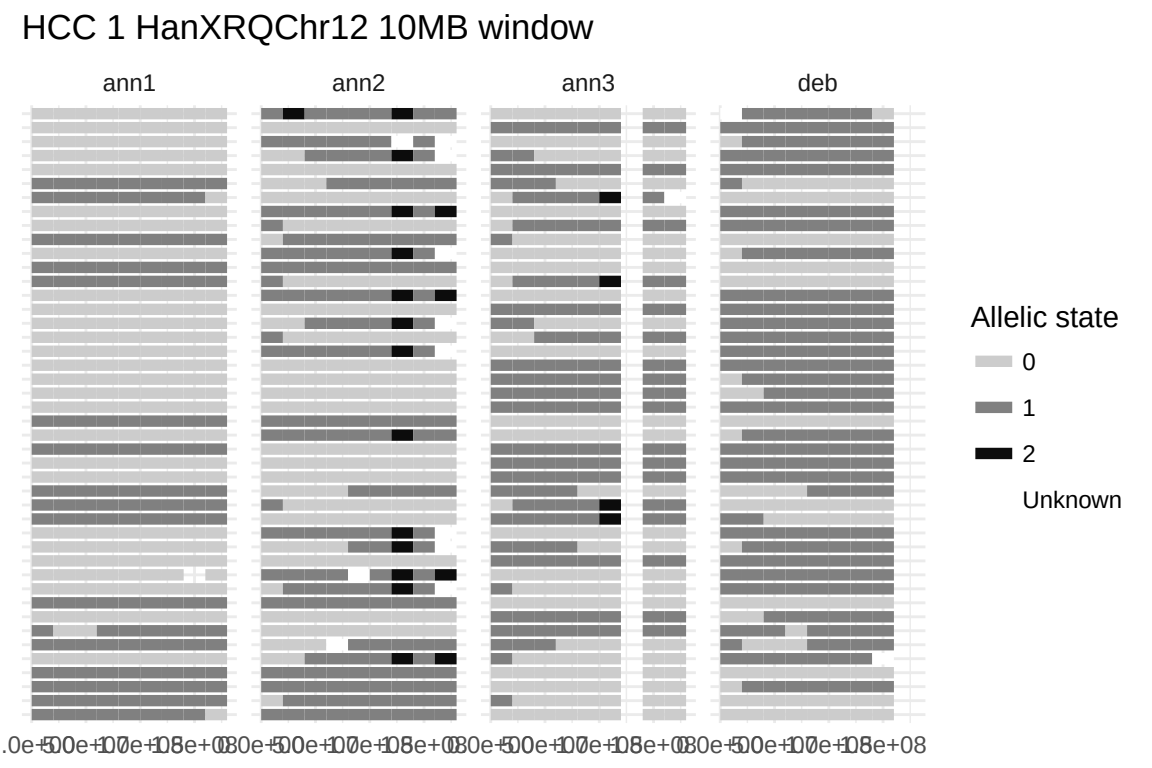
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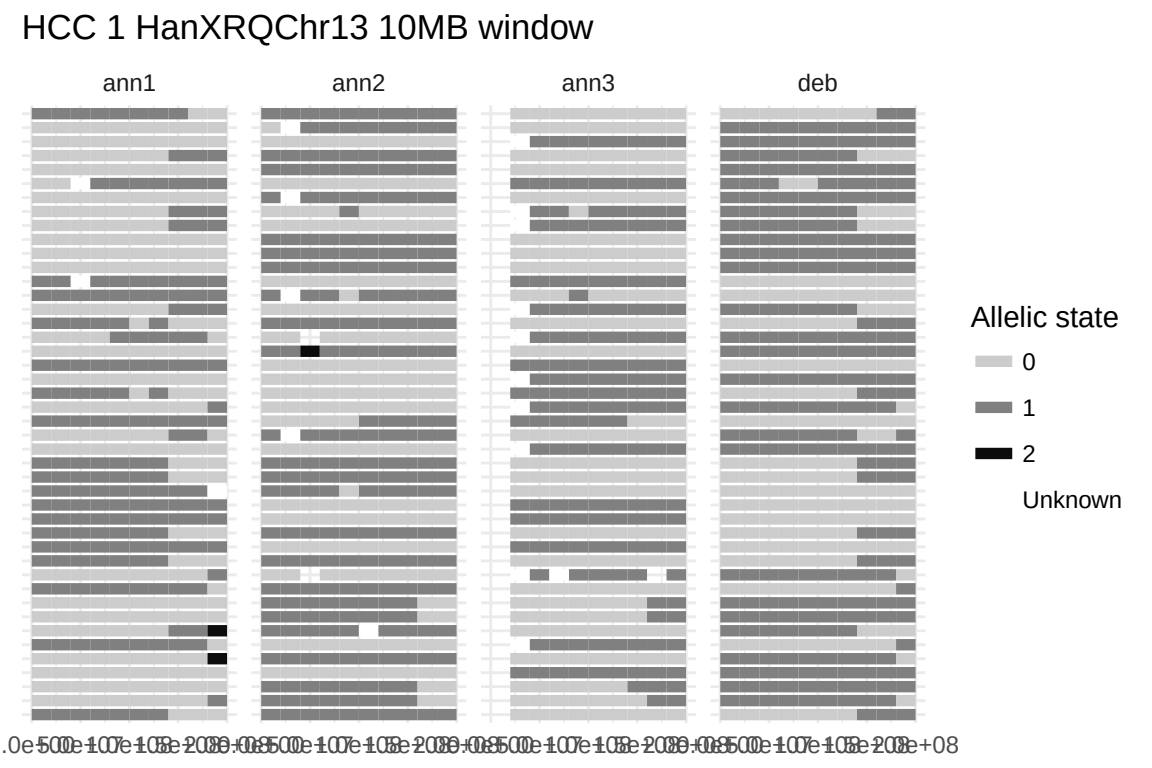
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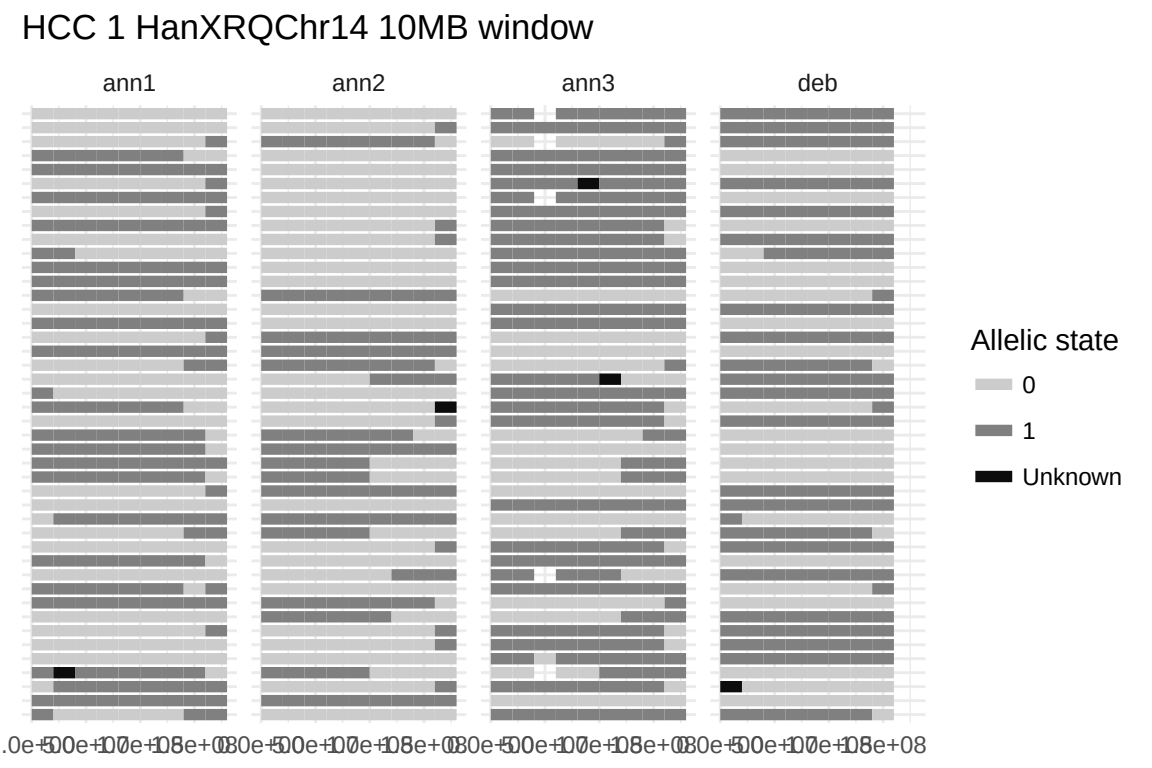
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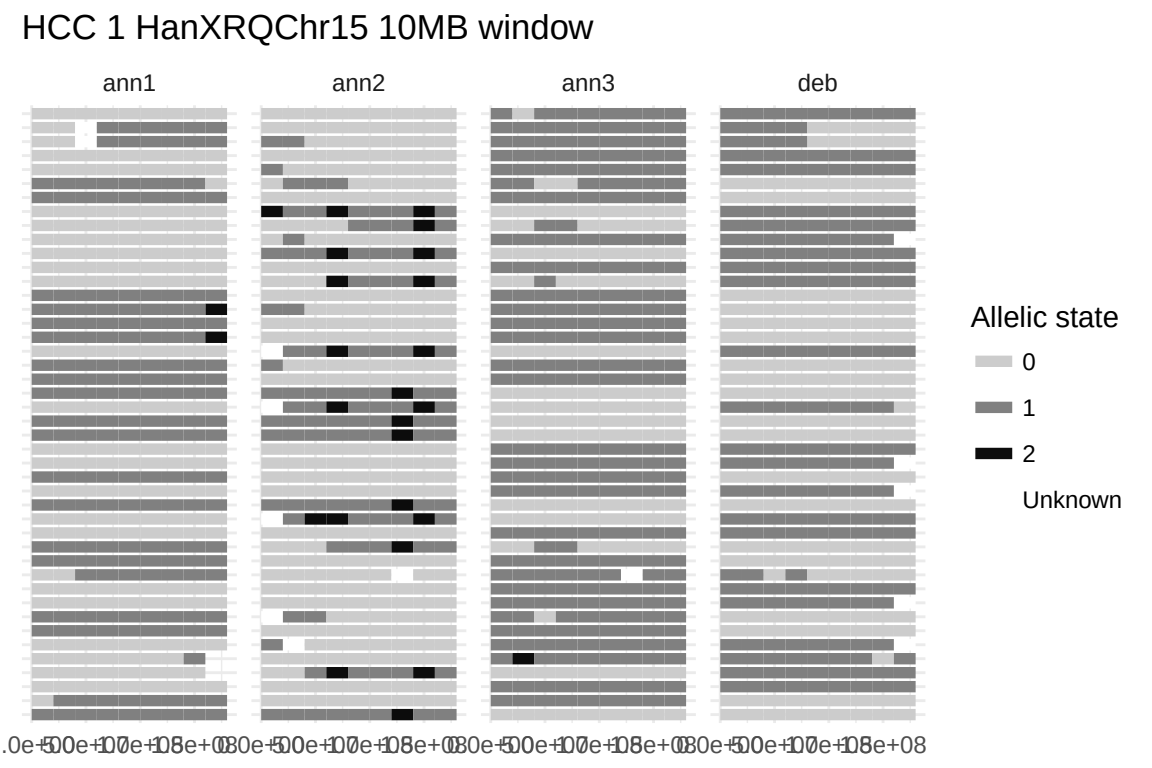
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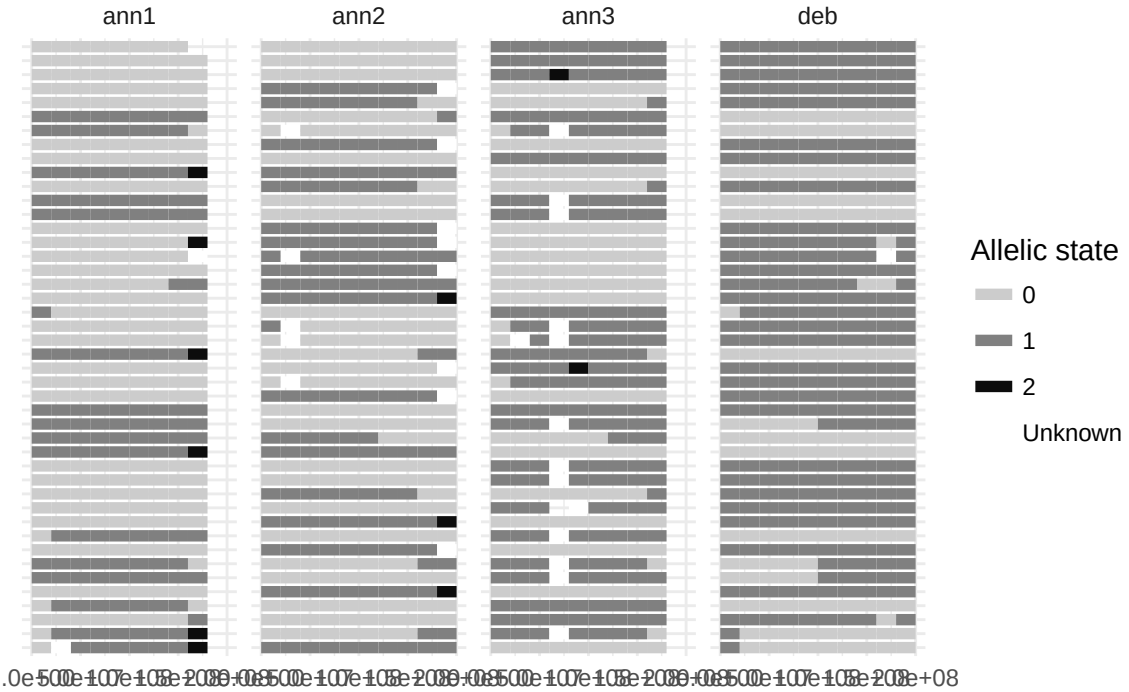

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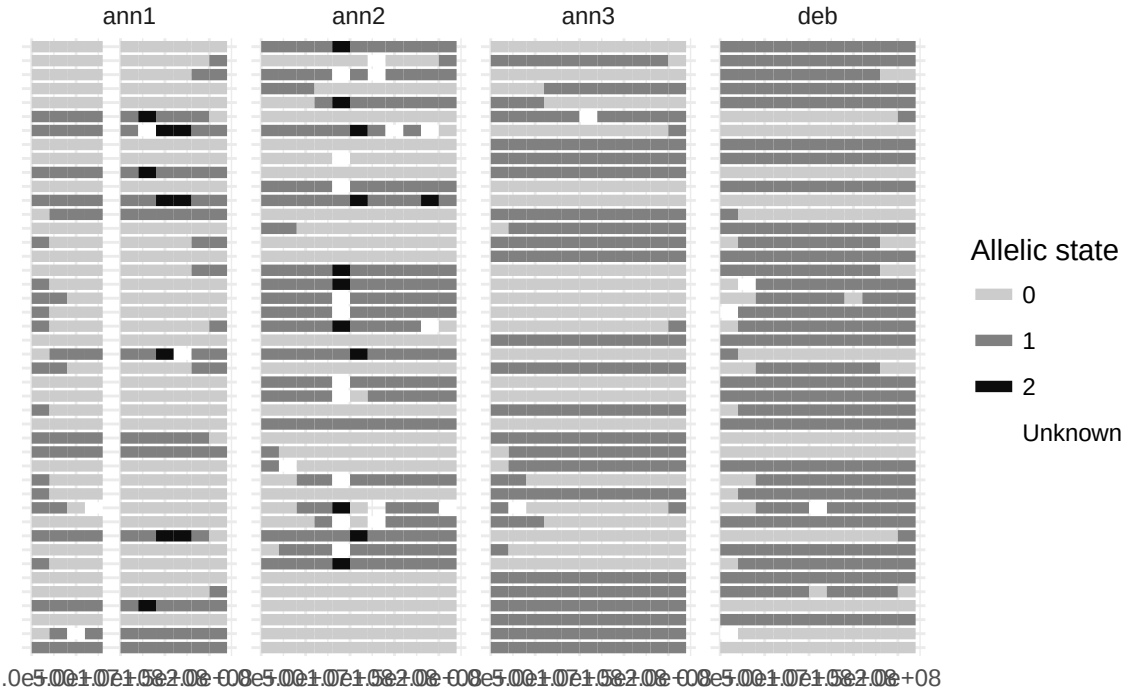

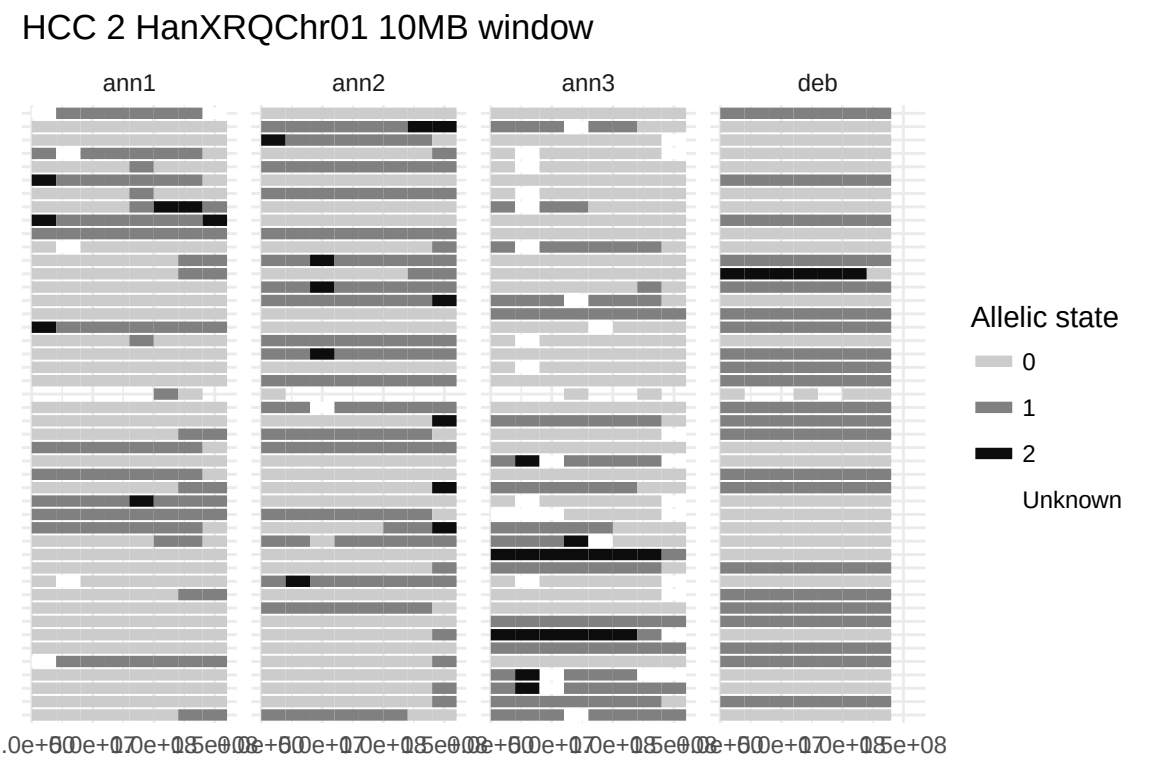
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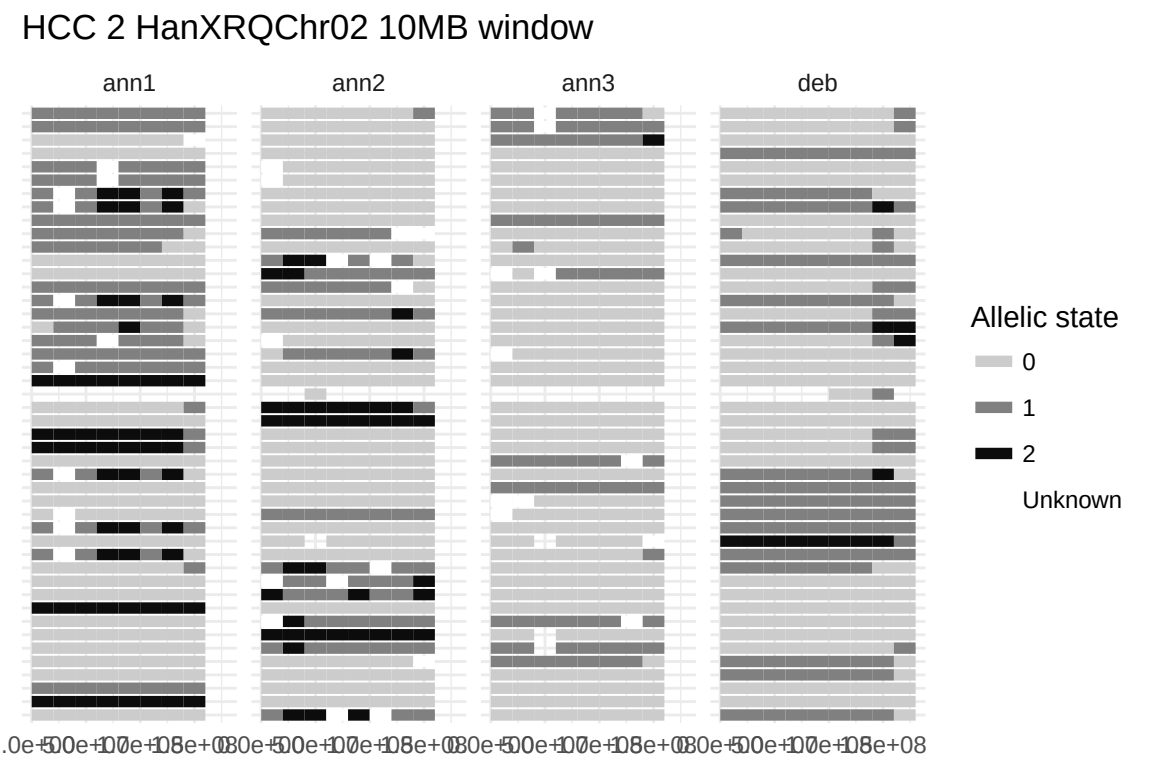
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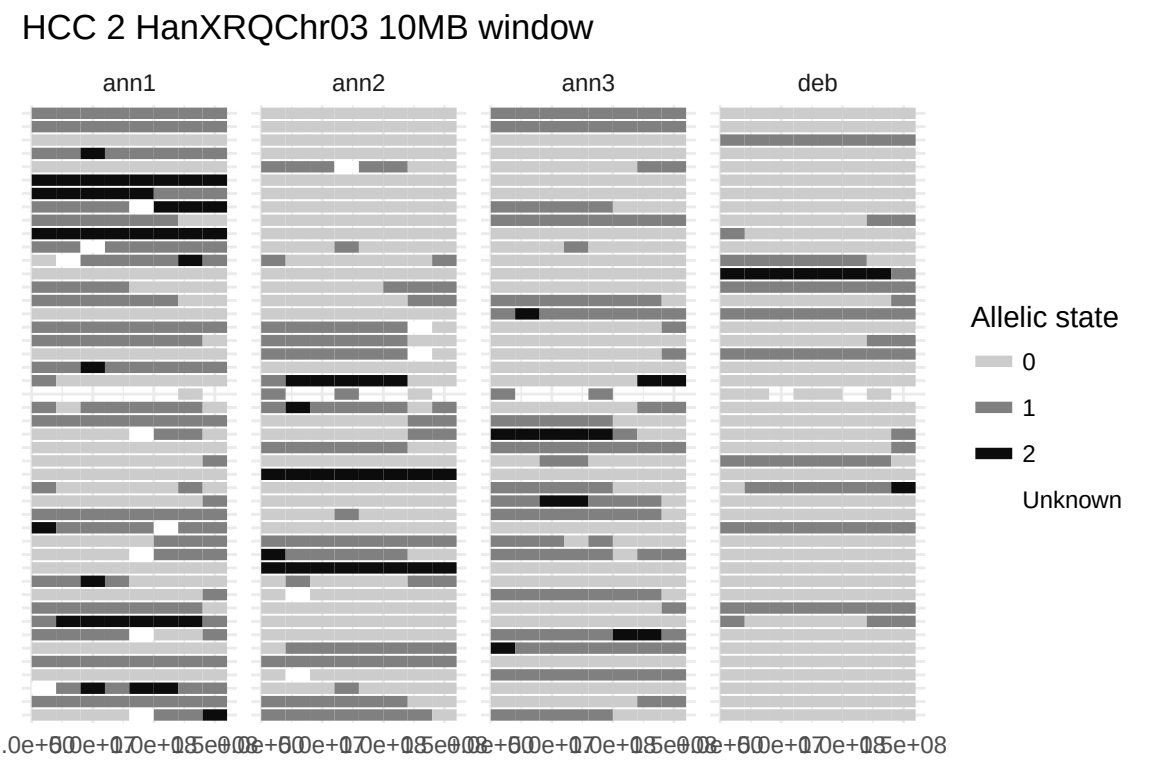
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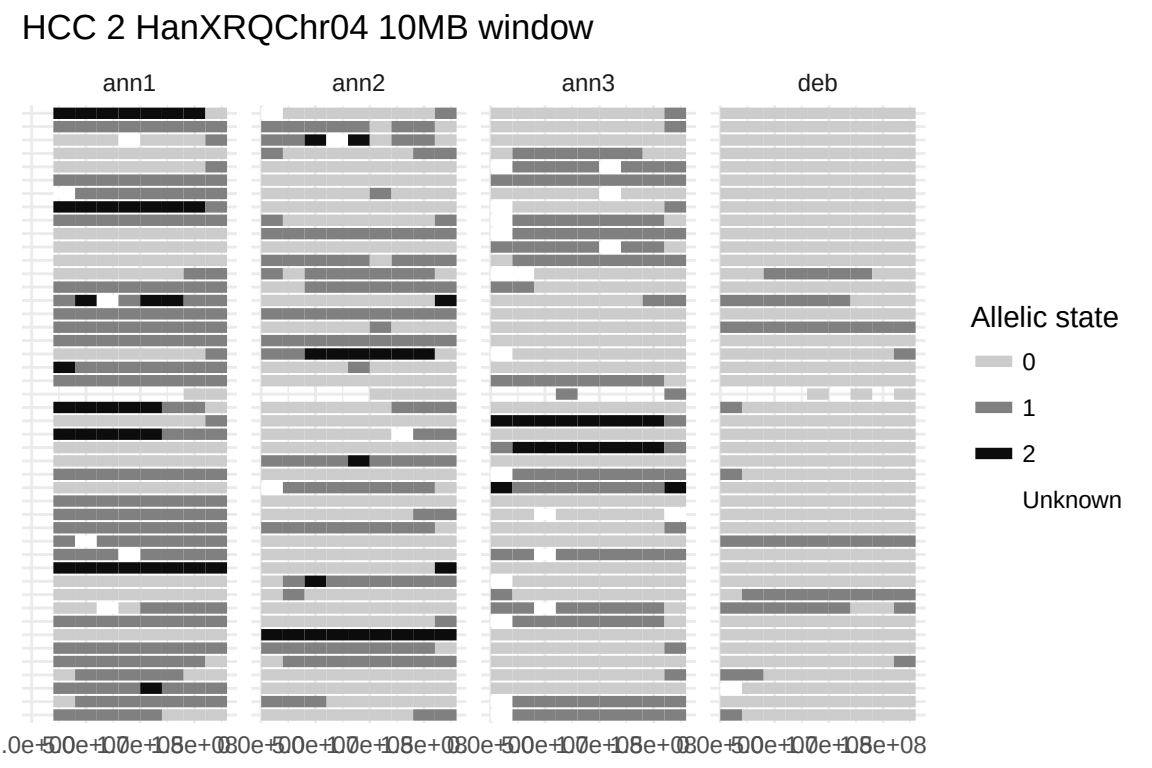
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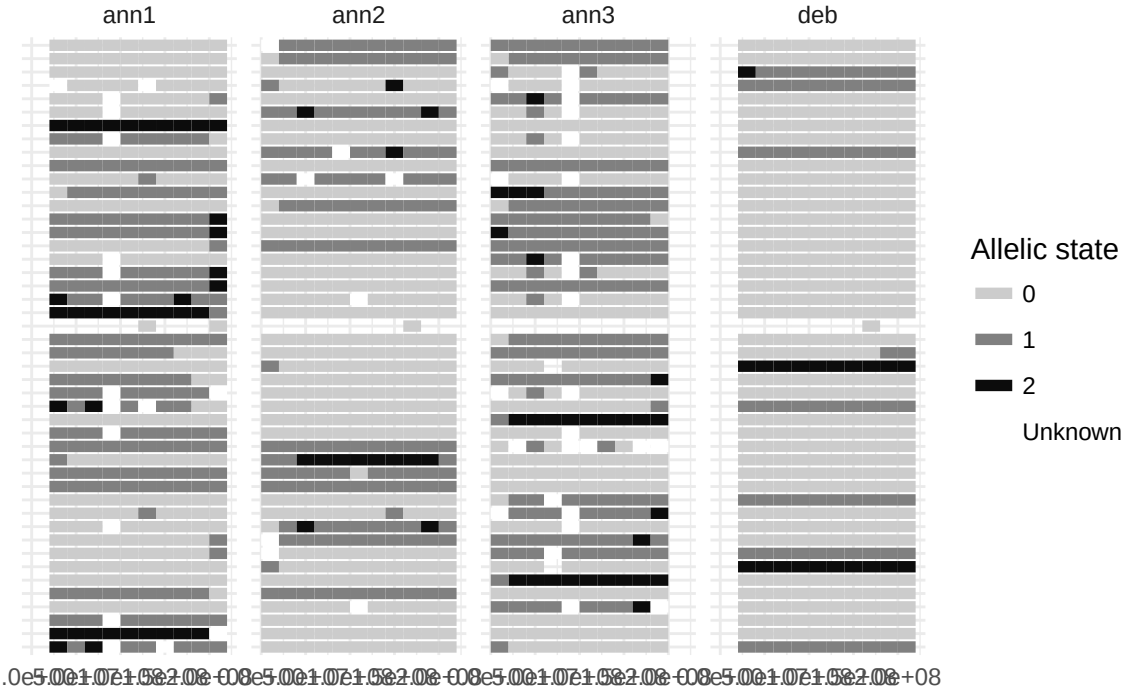
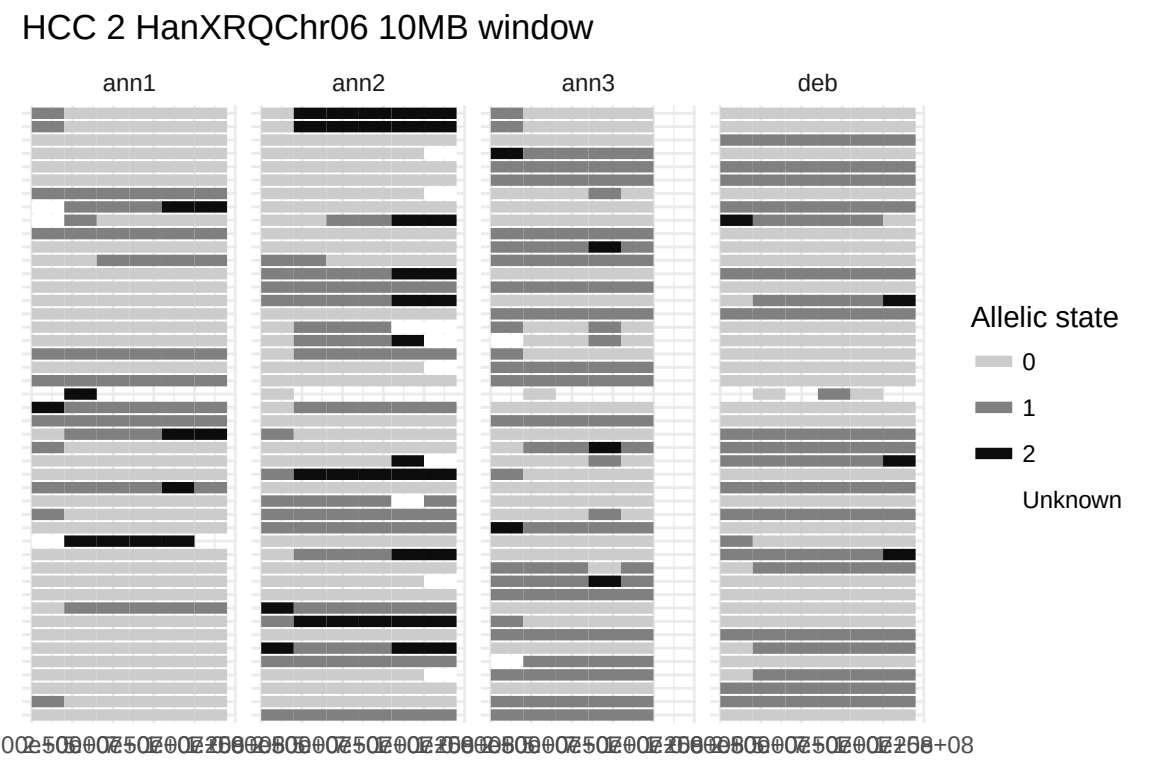
HCC 2 HanXRQChr05 10MB window

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deb
Allelic state
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1
2
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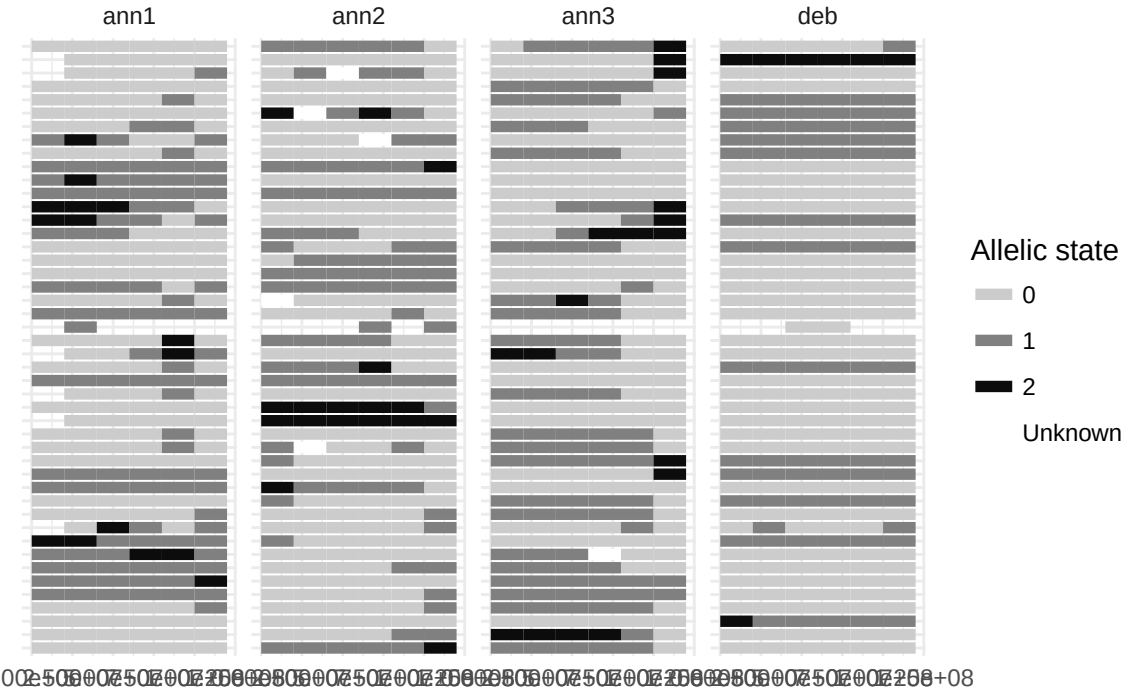

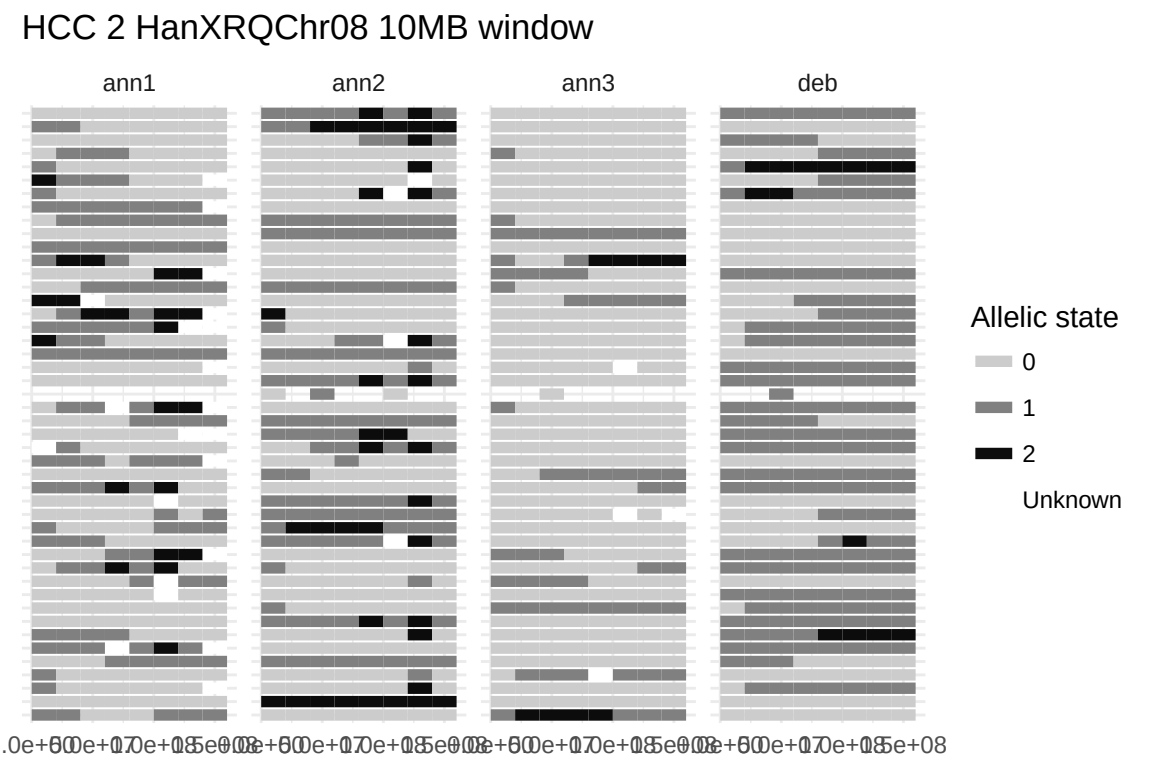
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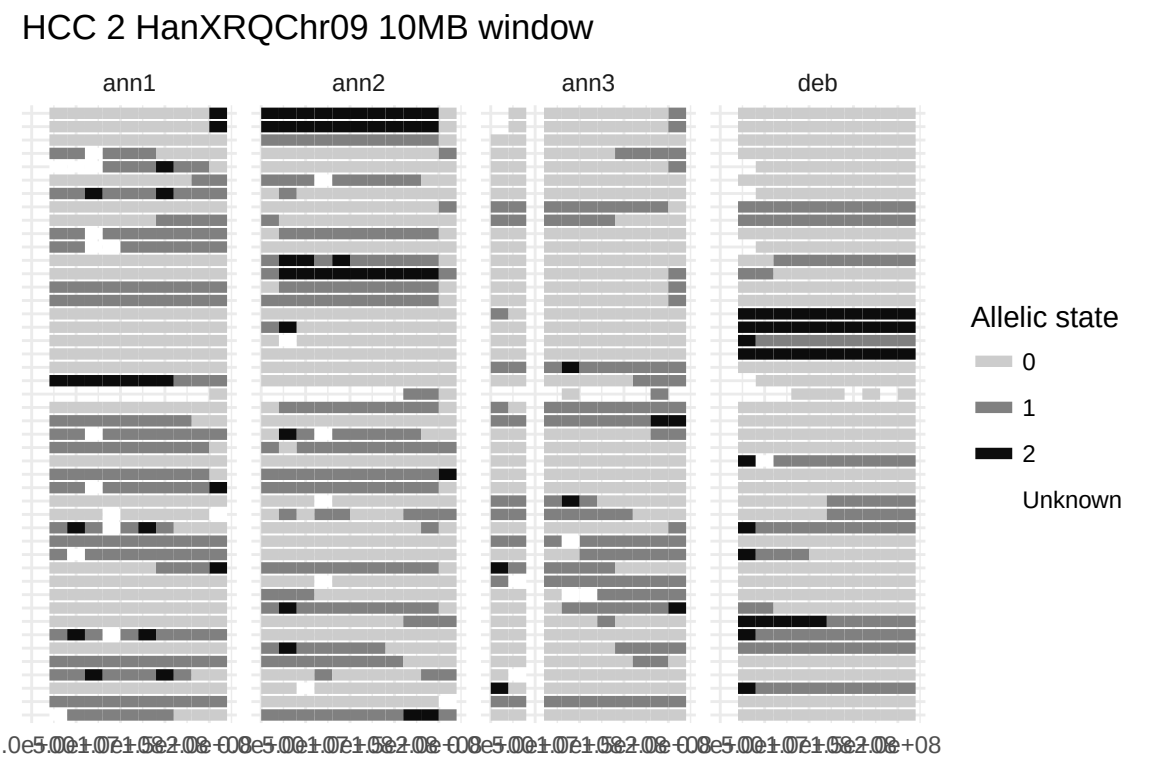
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deb
Allelic state
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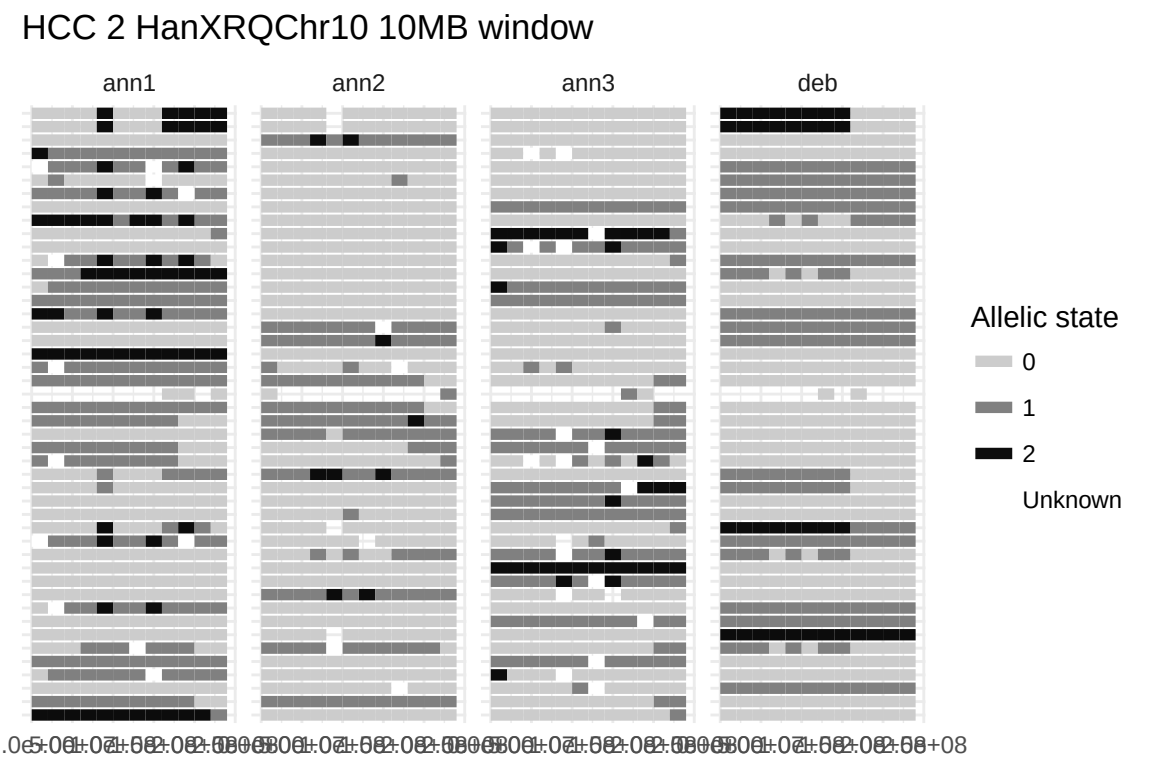
Unknown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deb
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1
2
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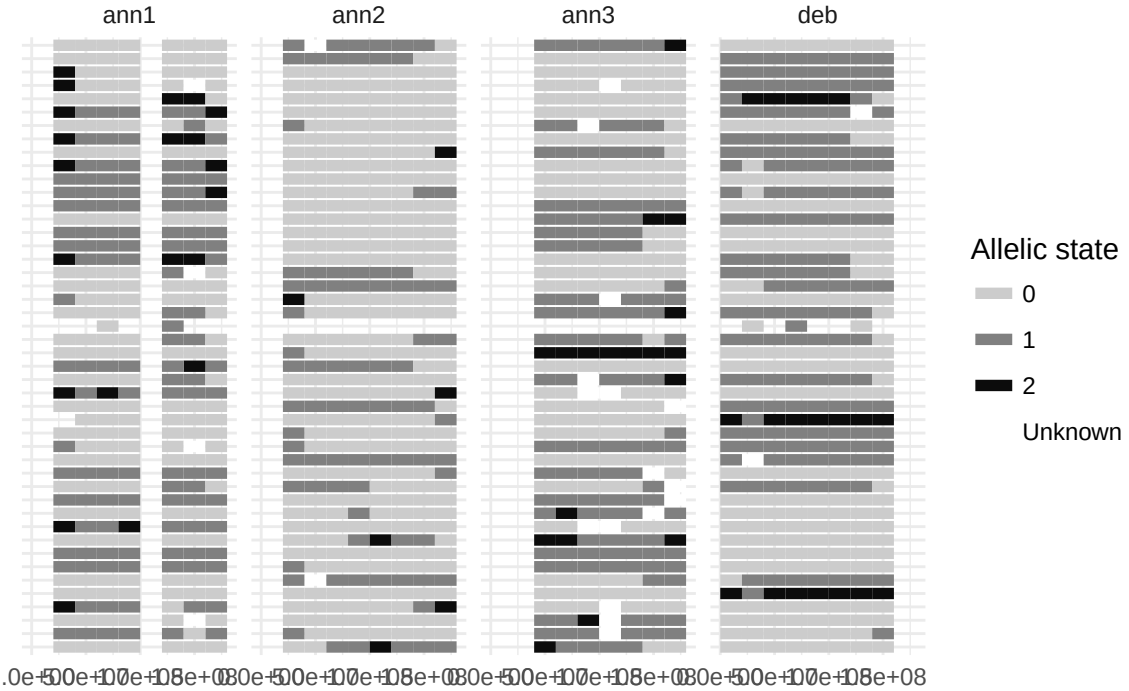

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1
2
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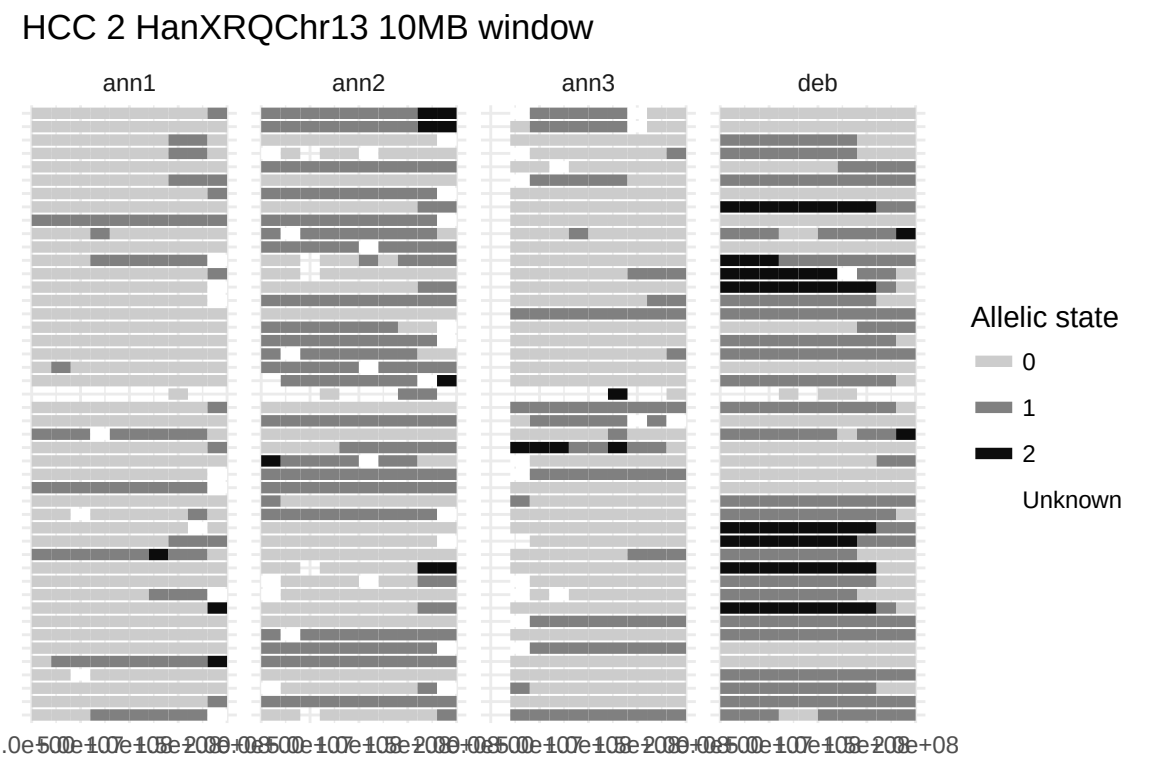
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ann3
deb
Allelic state
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1
2
Unknown

HCC 2 HanXRQChr14 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 2 HanXRQChr15 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
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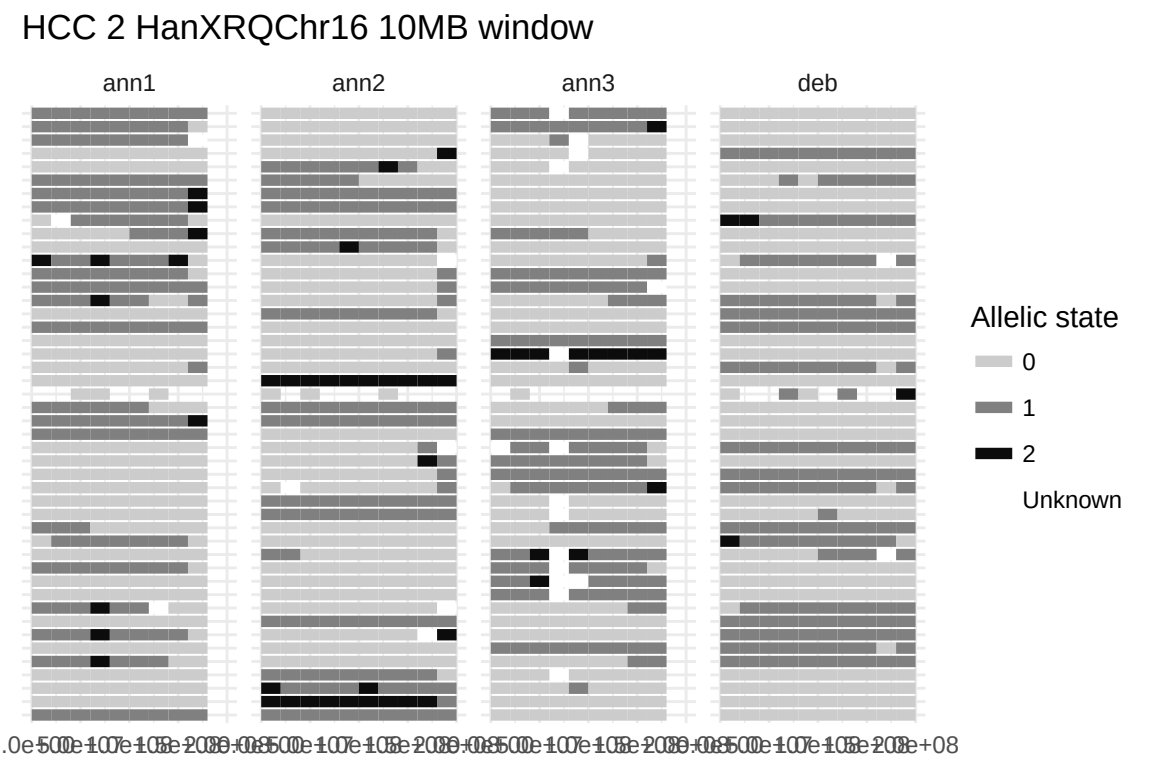
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ann3
deb
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1
2
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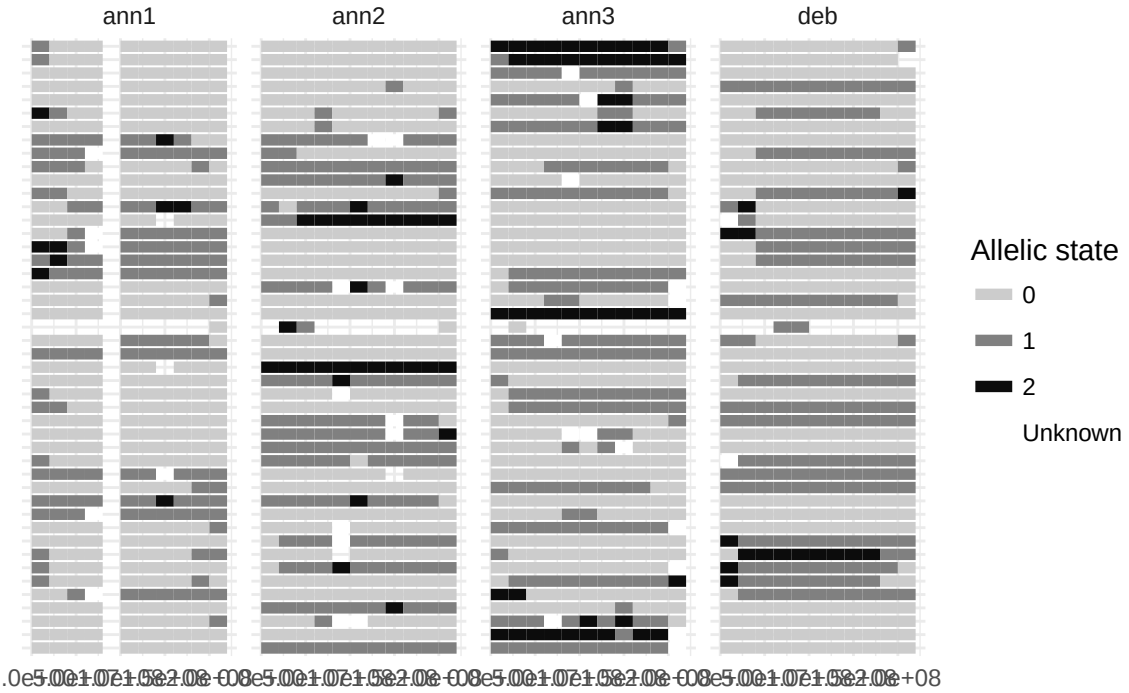

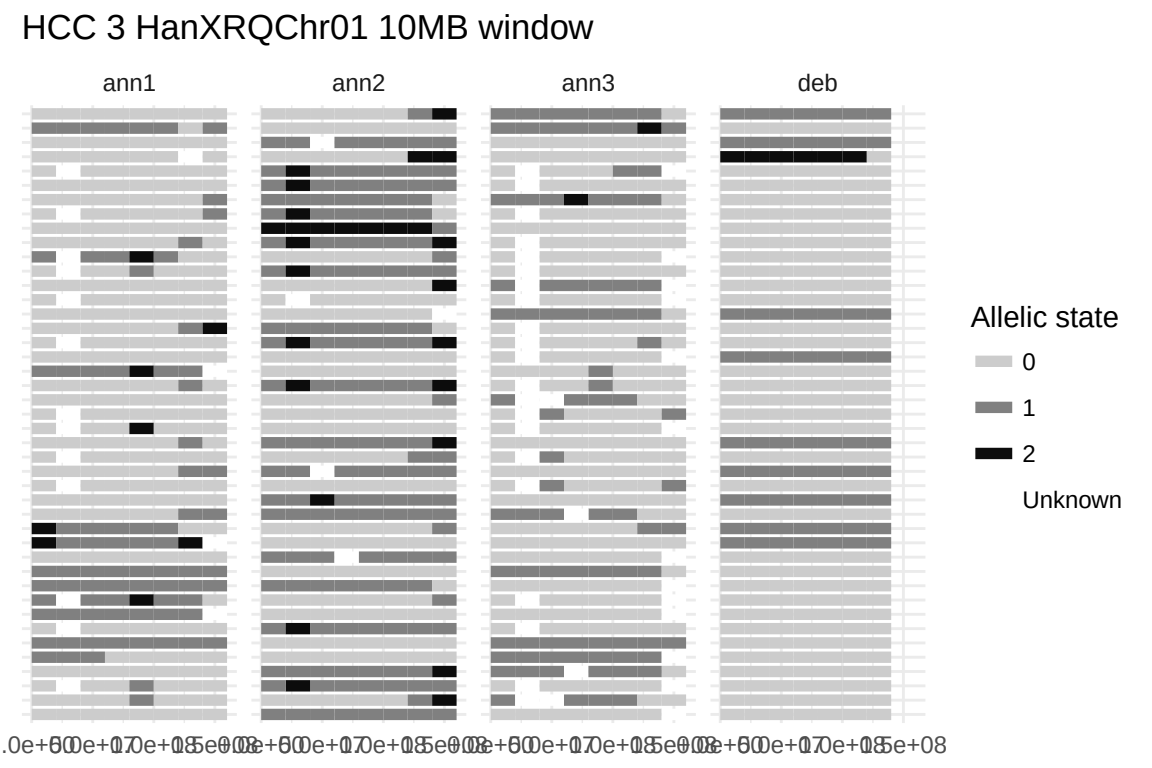
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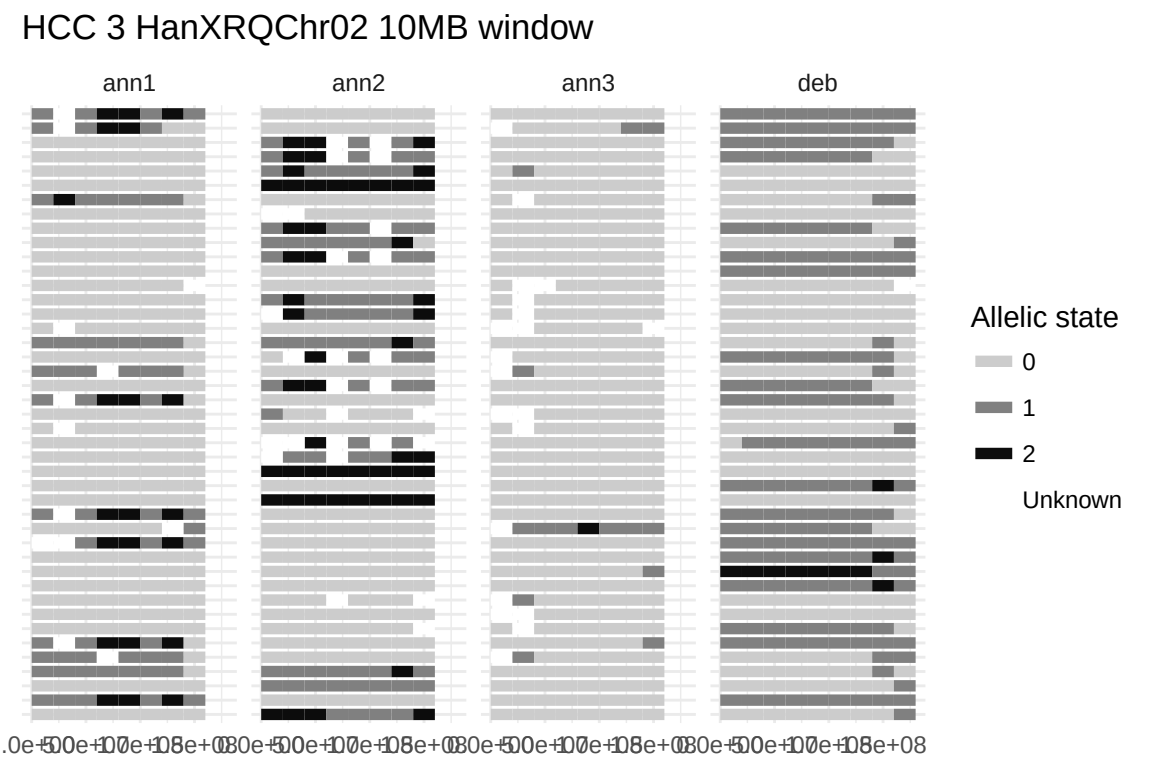
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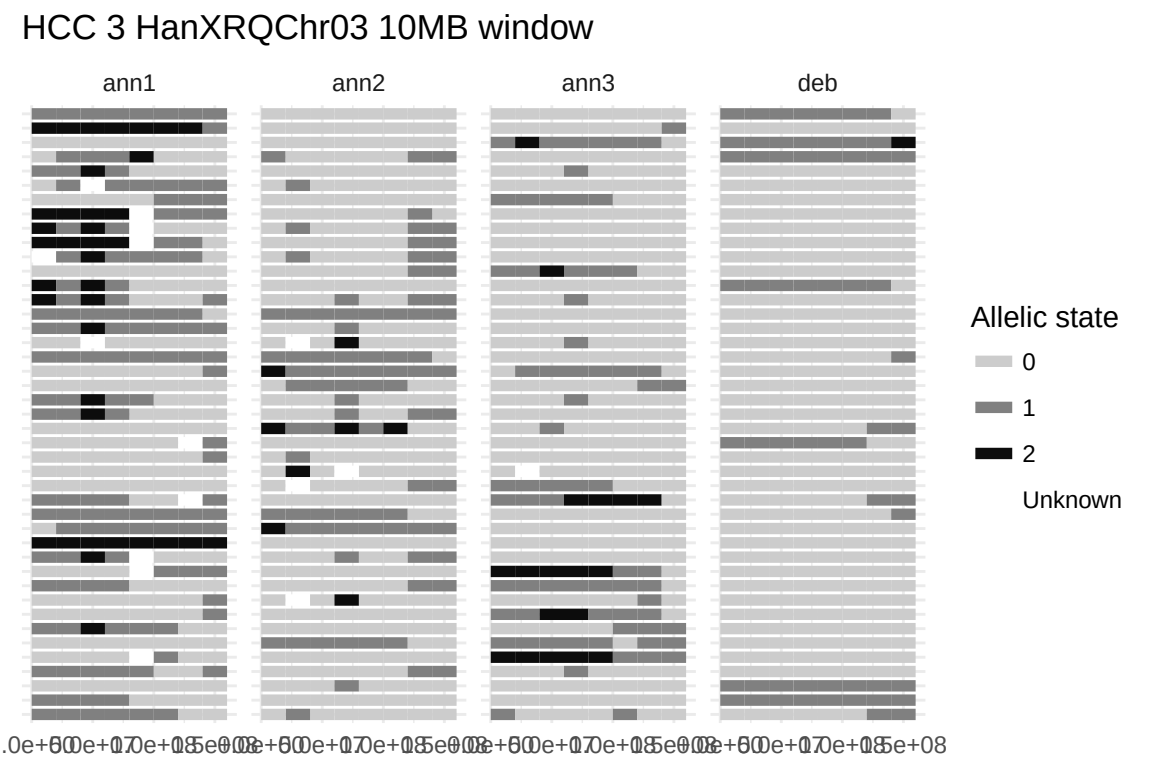
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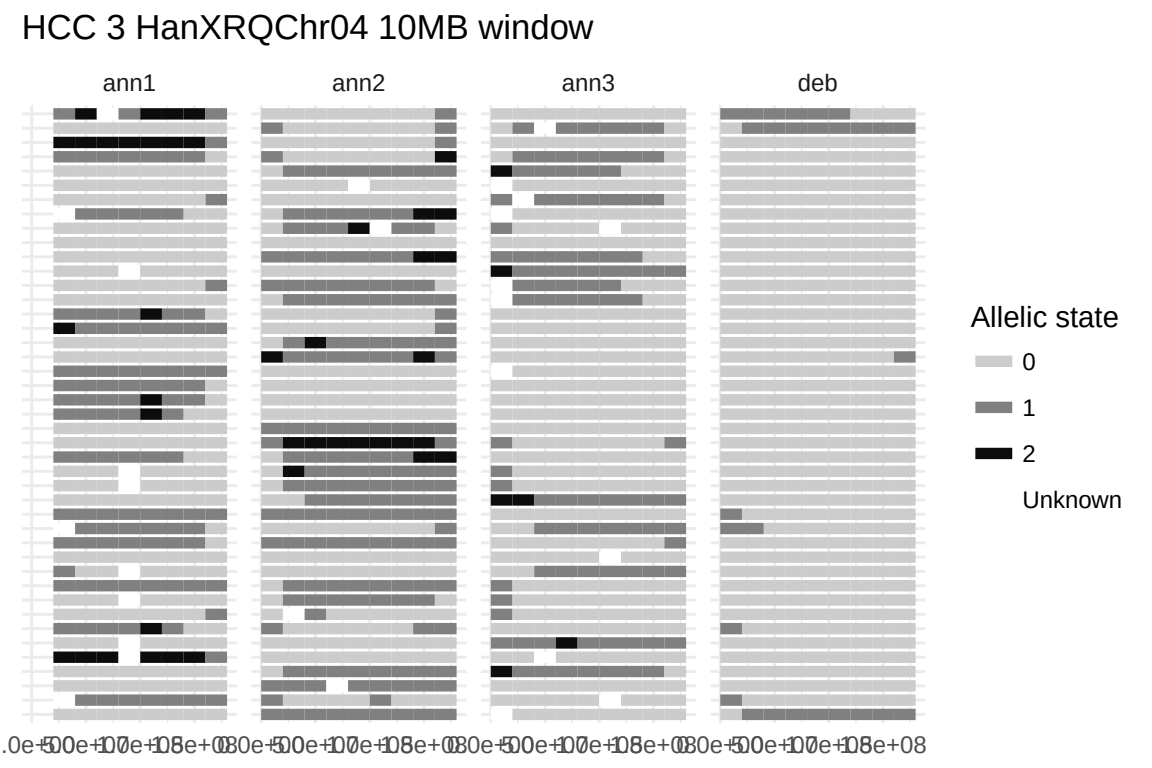
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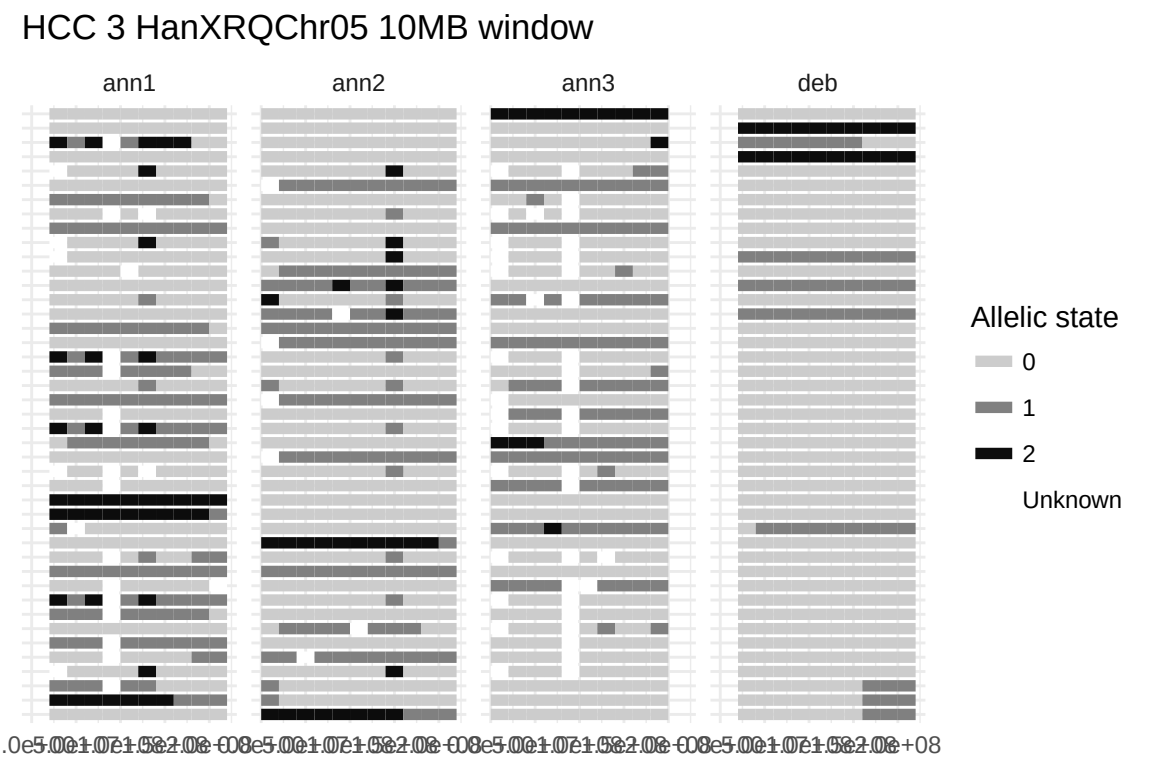
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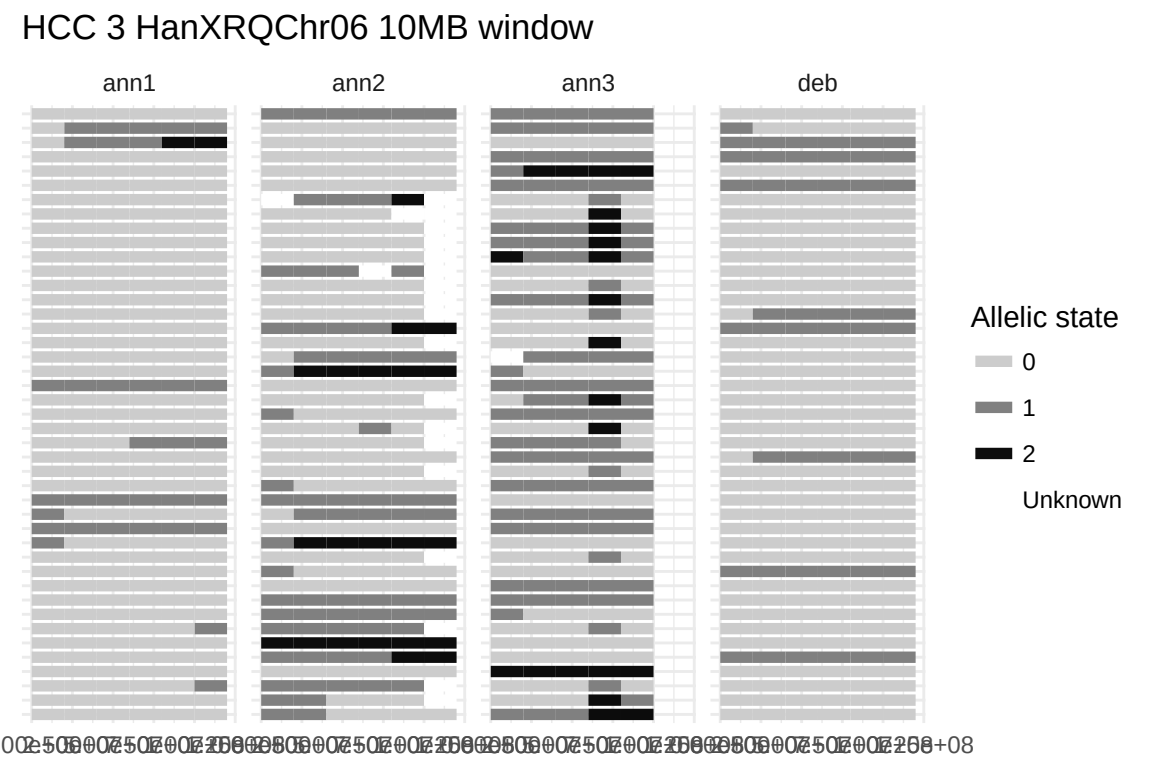
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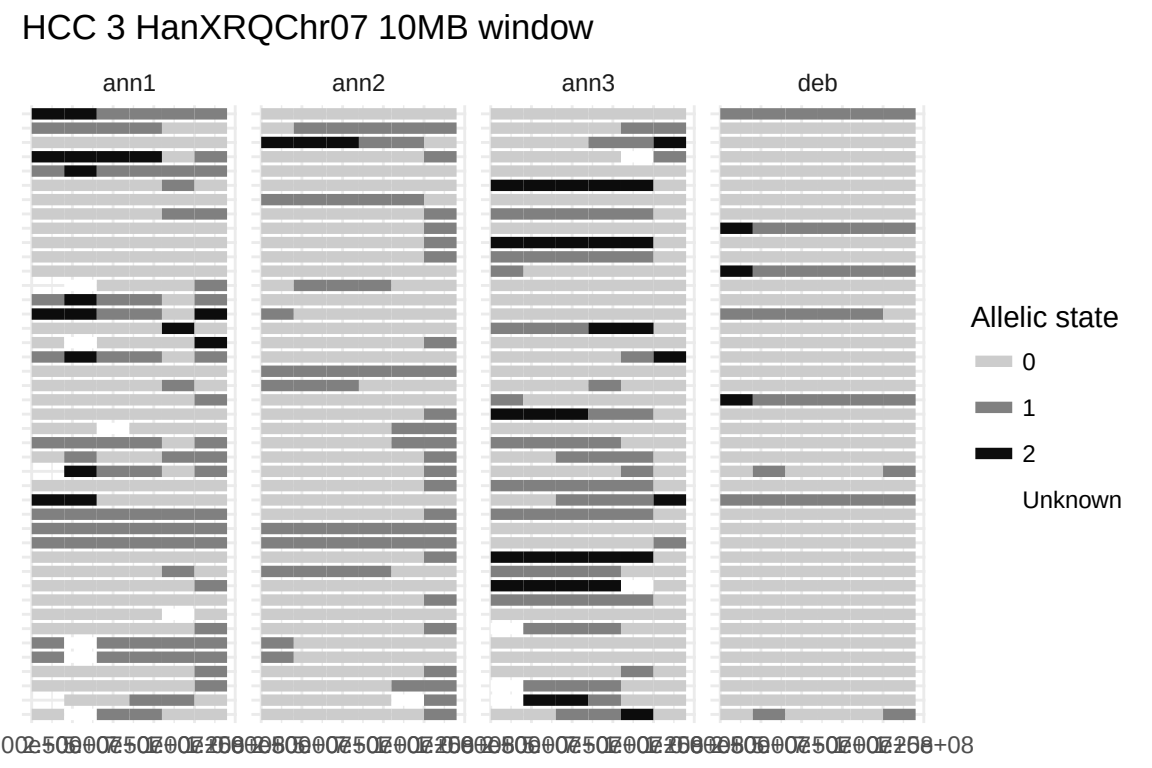
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ann3
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Allelic state
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1
2
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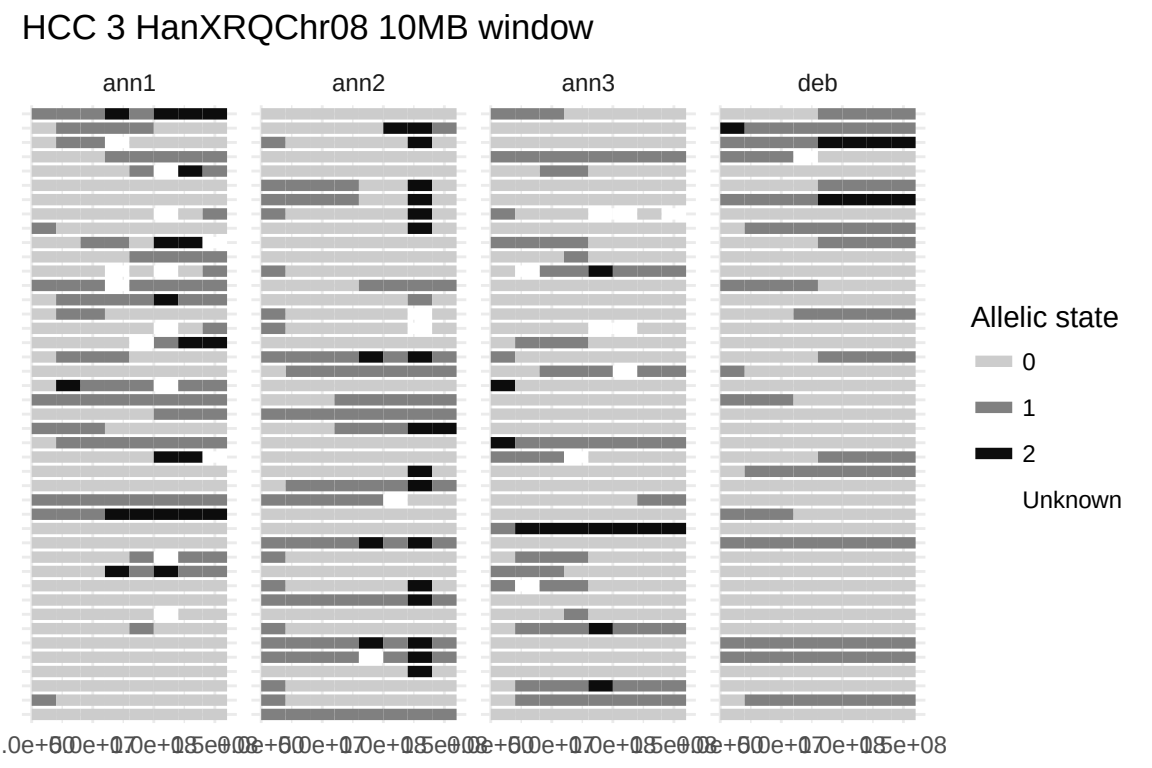
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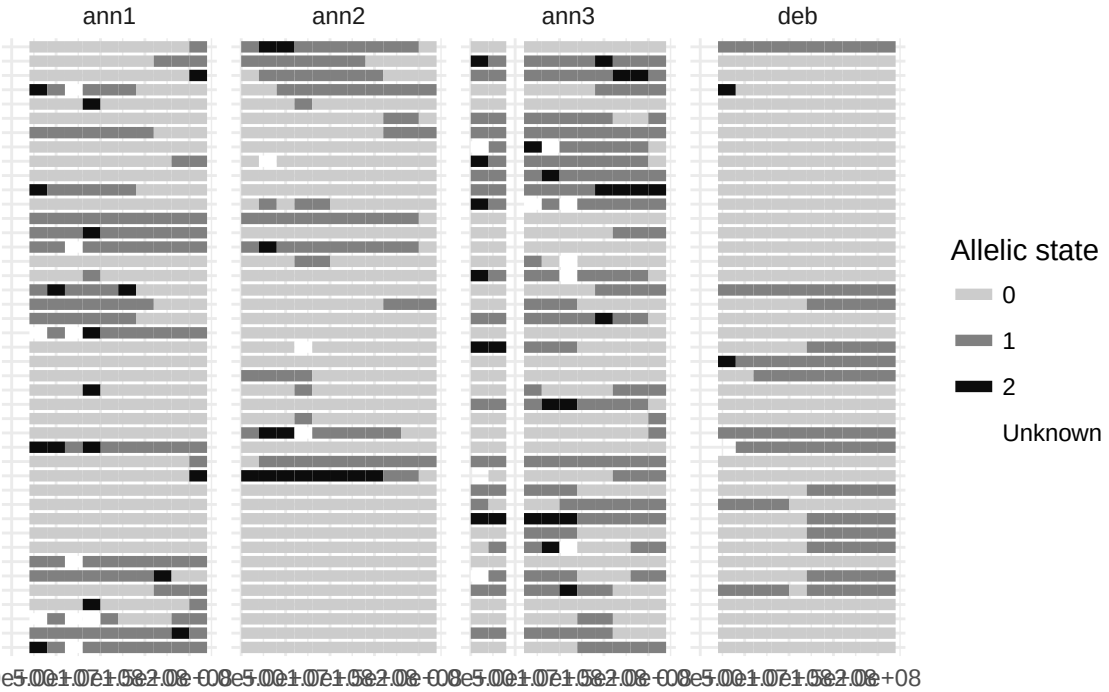

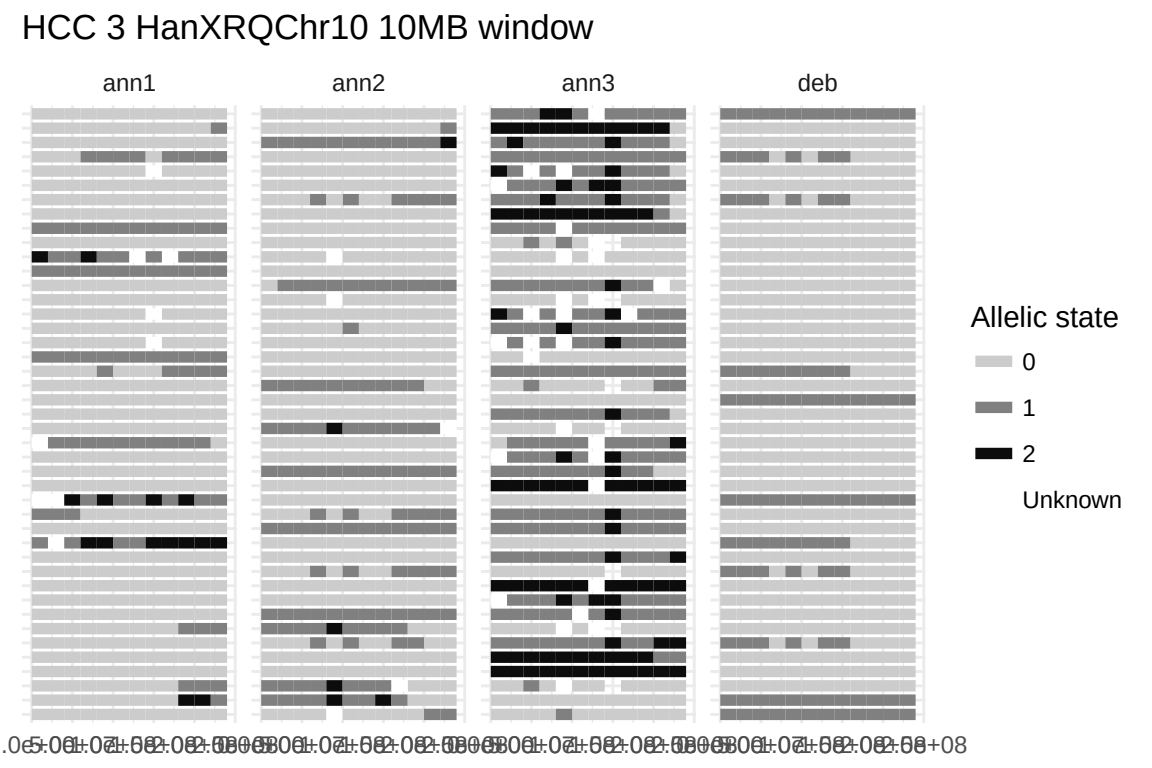
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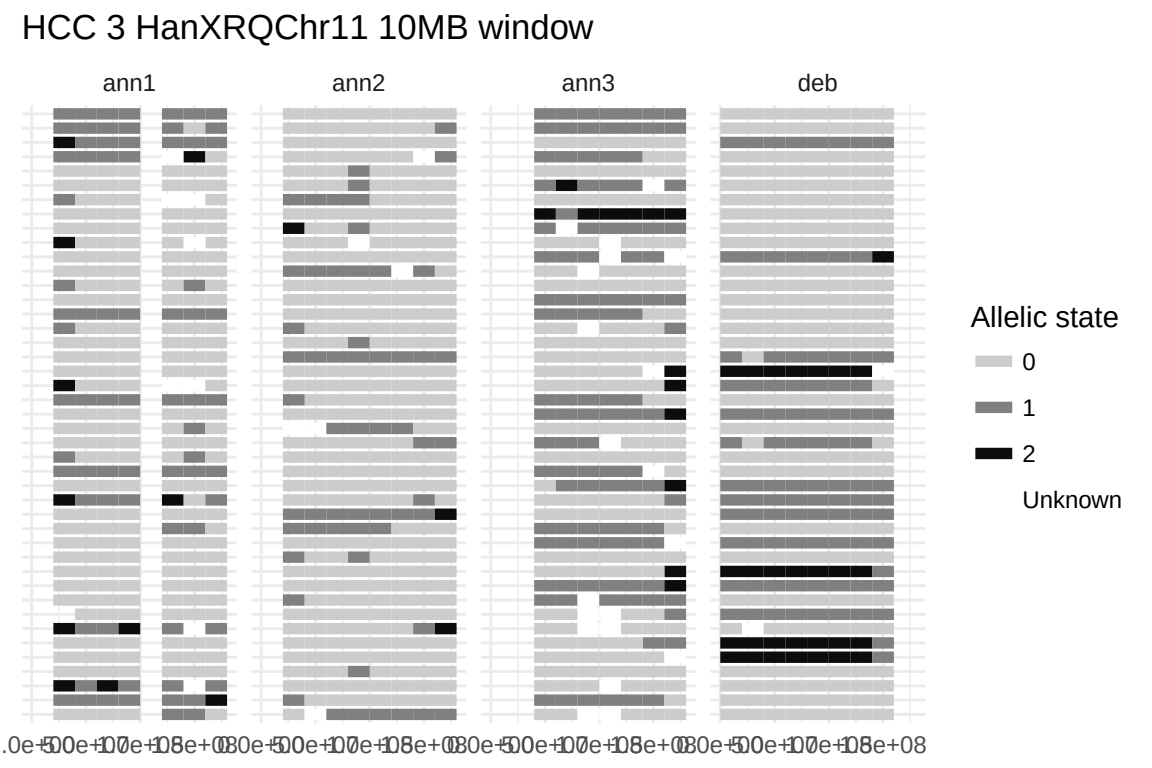
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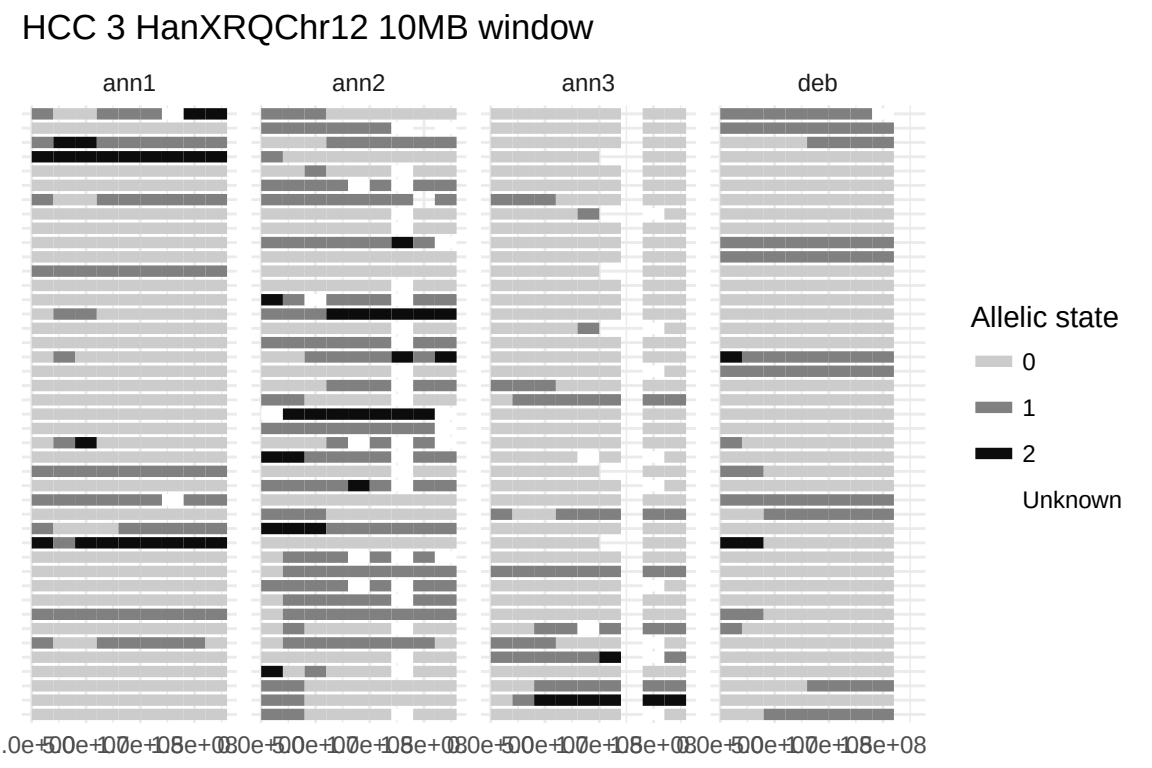
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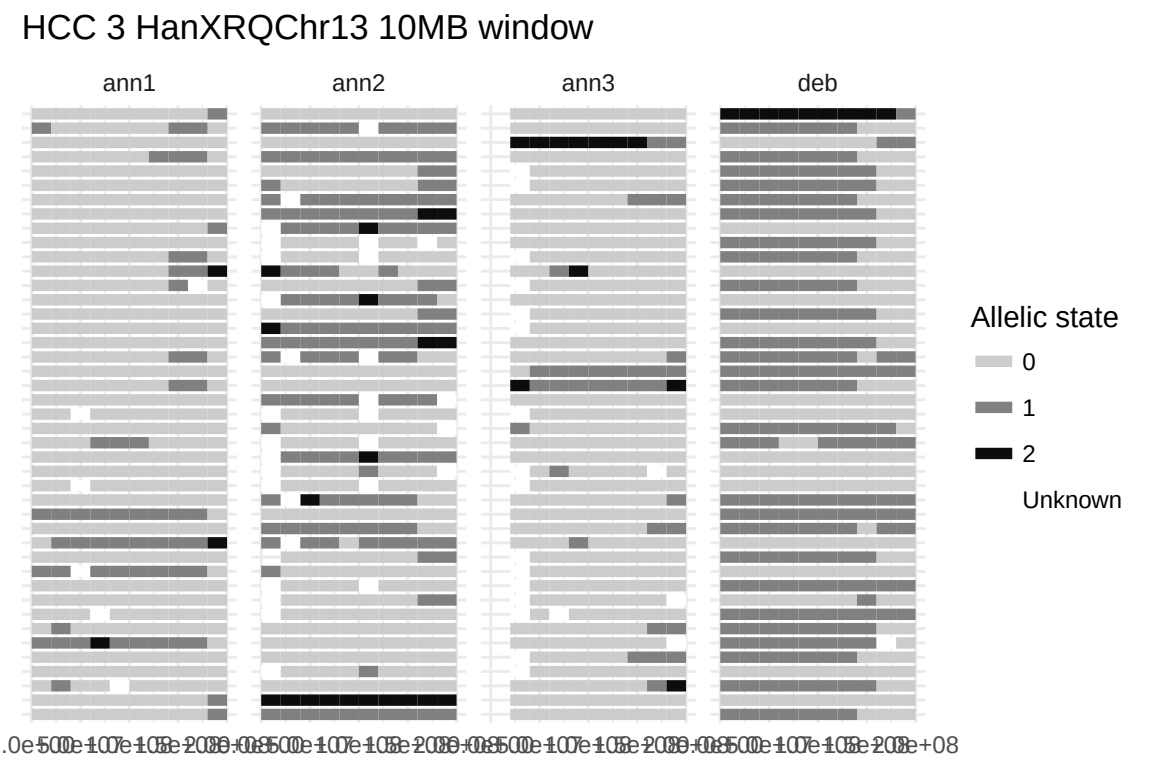
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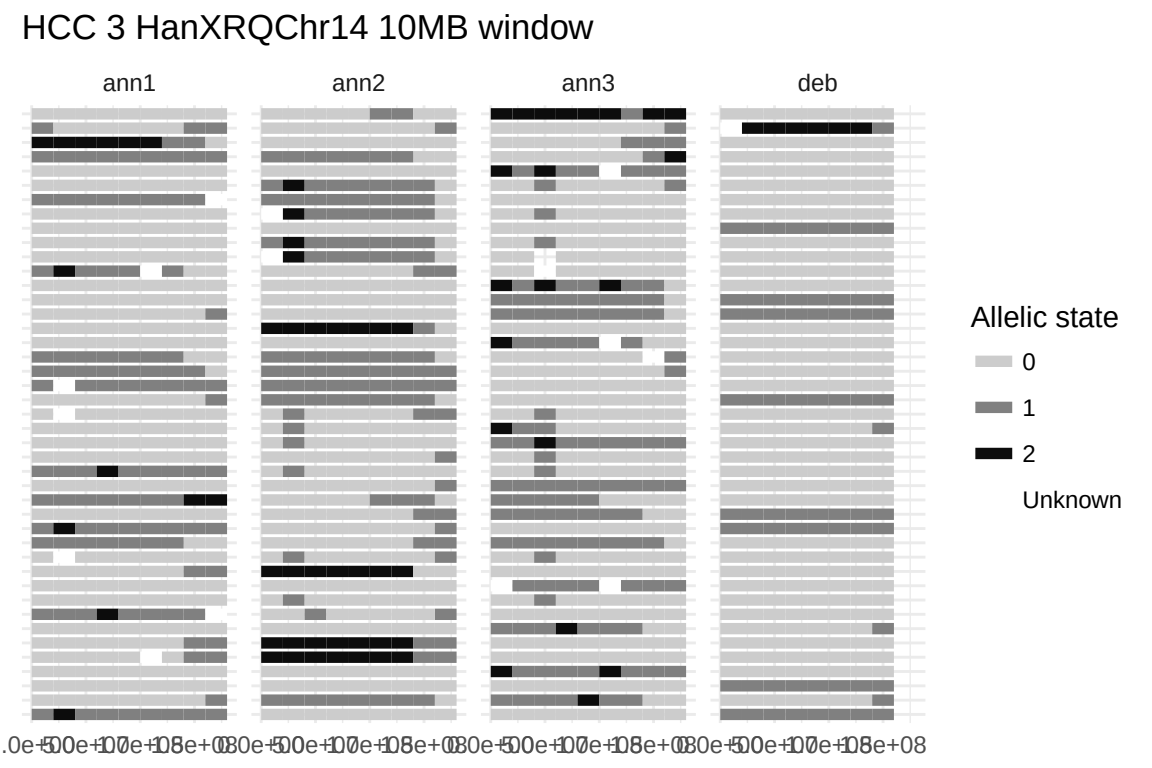
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ann3
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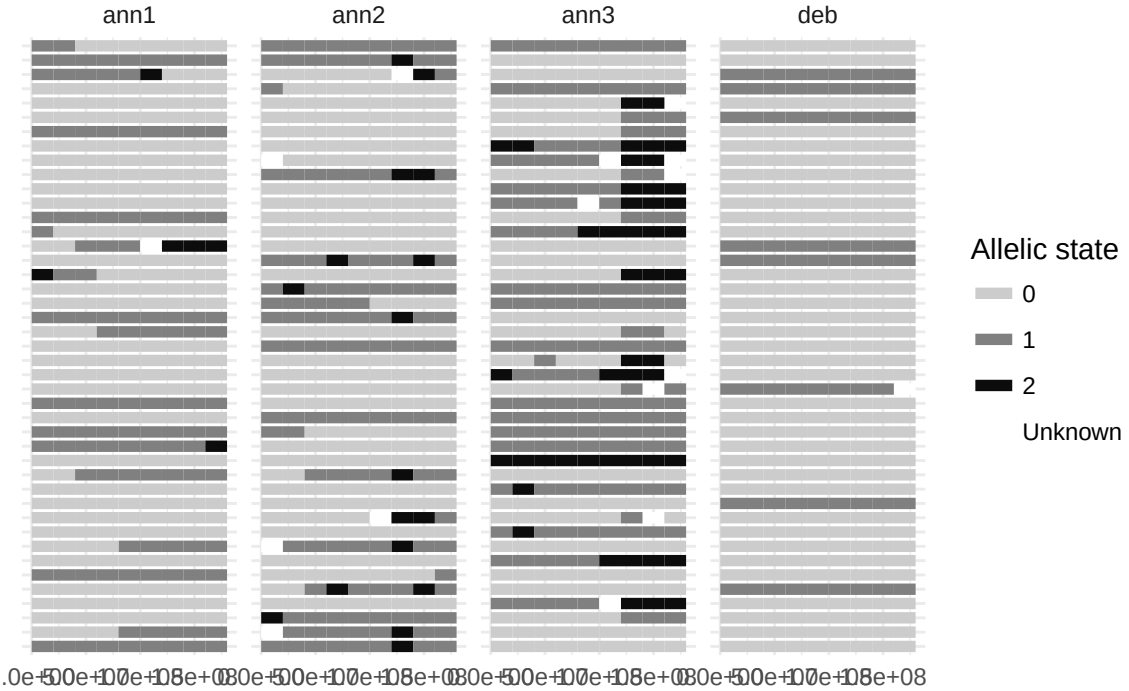
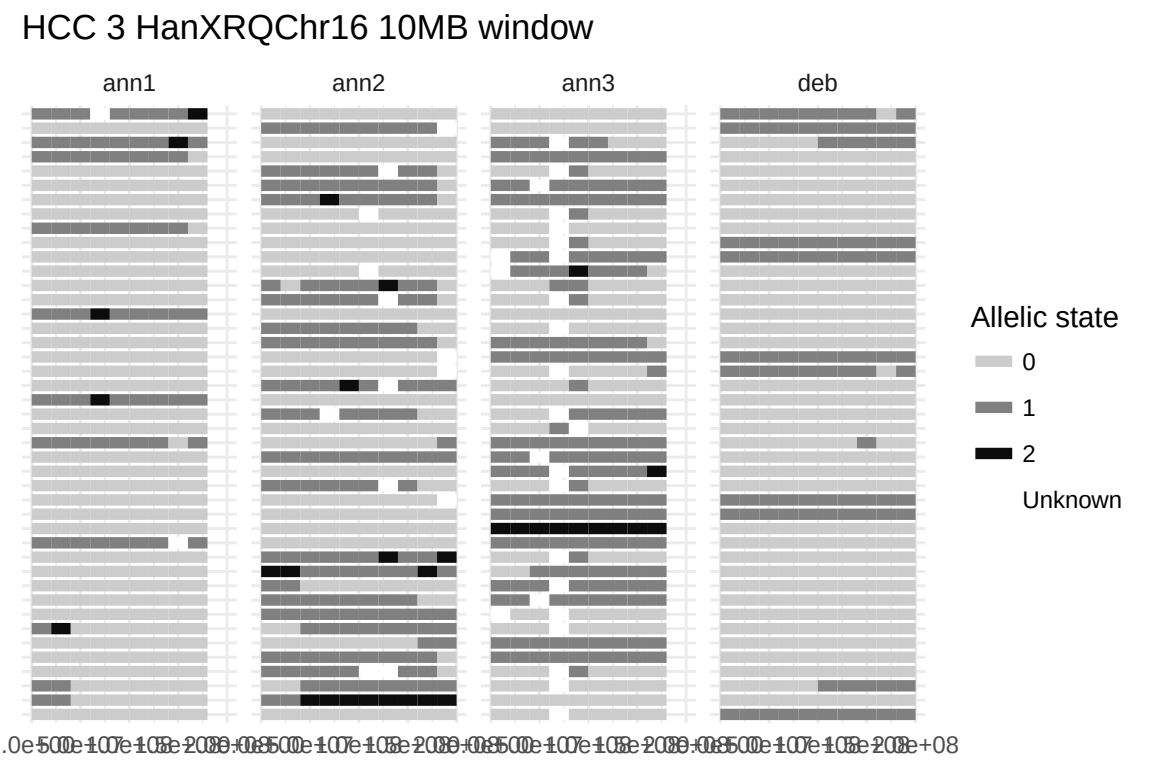
1
2
Unknown

HCC 3 HanXRQChr15 10MB window

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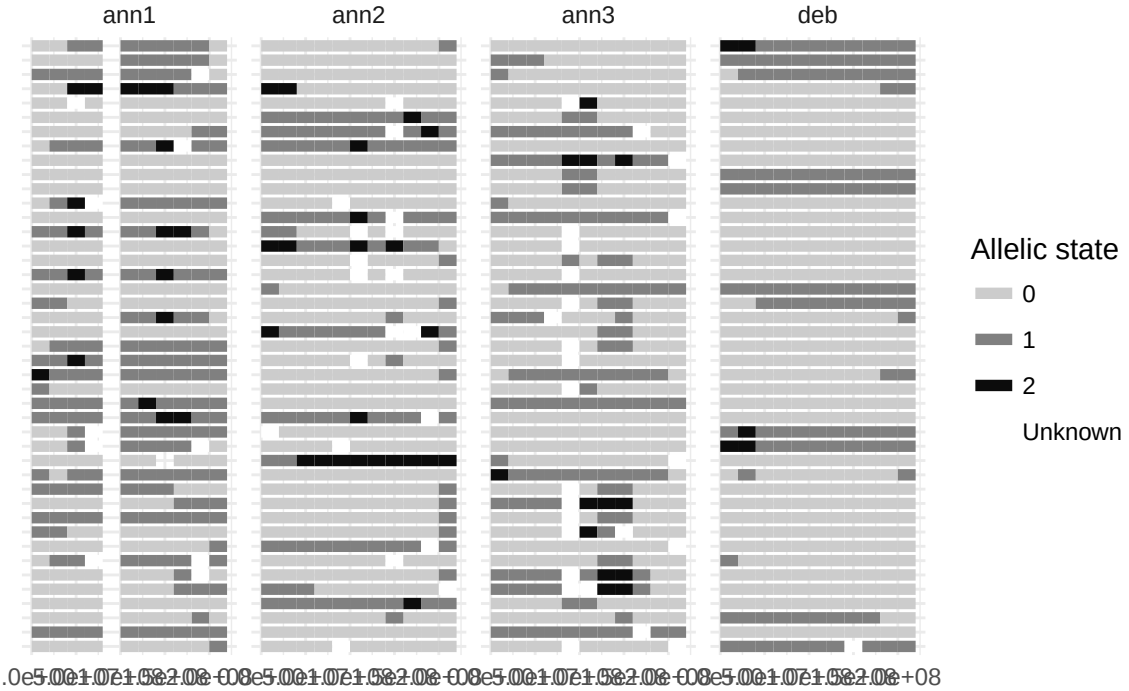
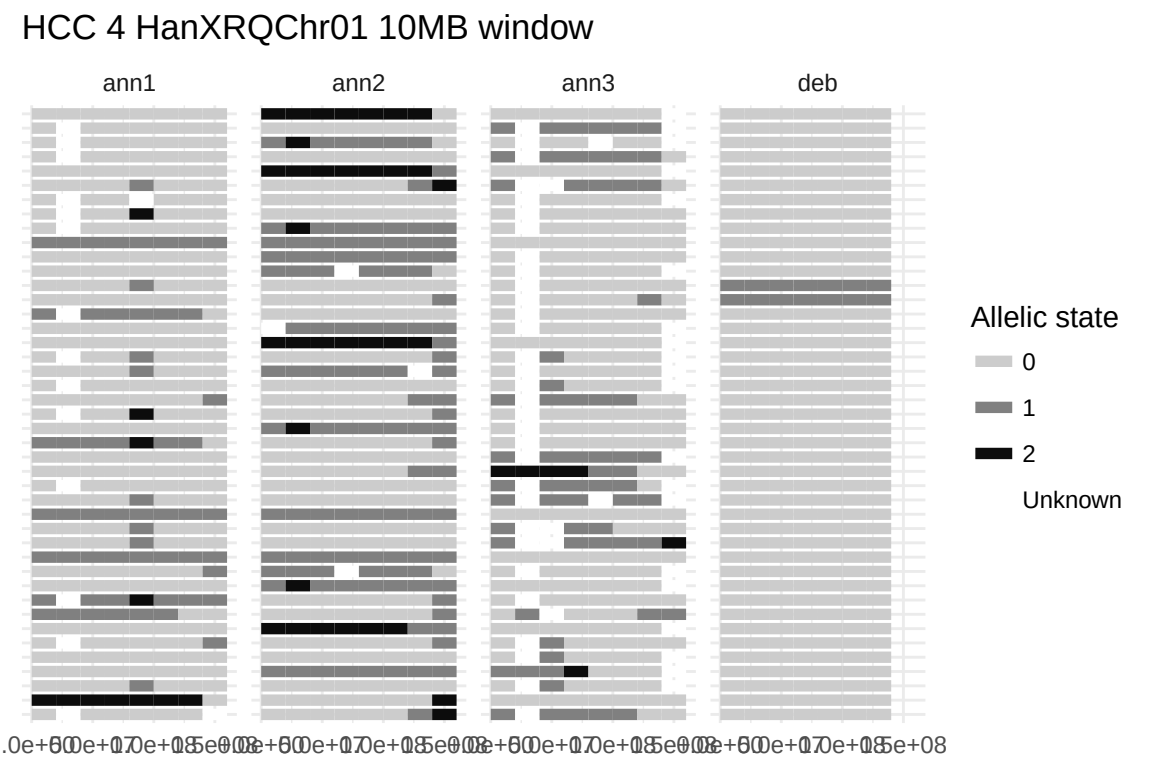
HCC 3 HanXRQChr17 10MB window

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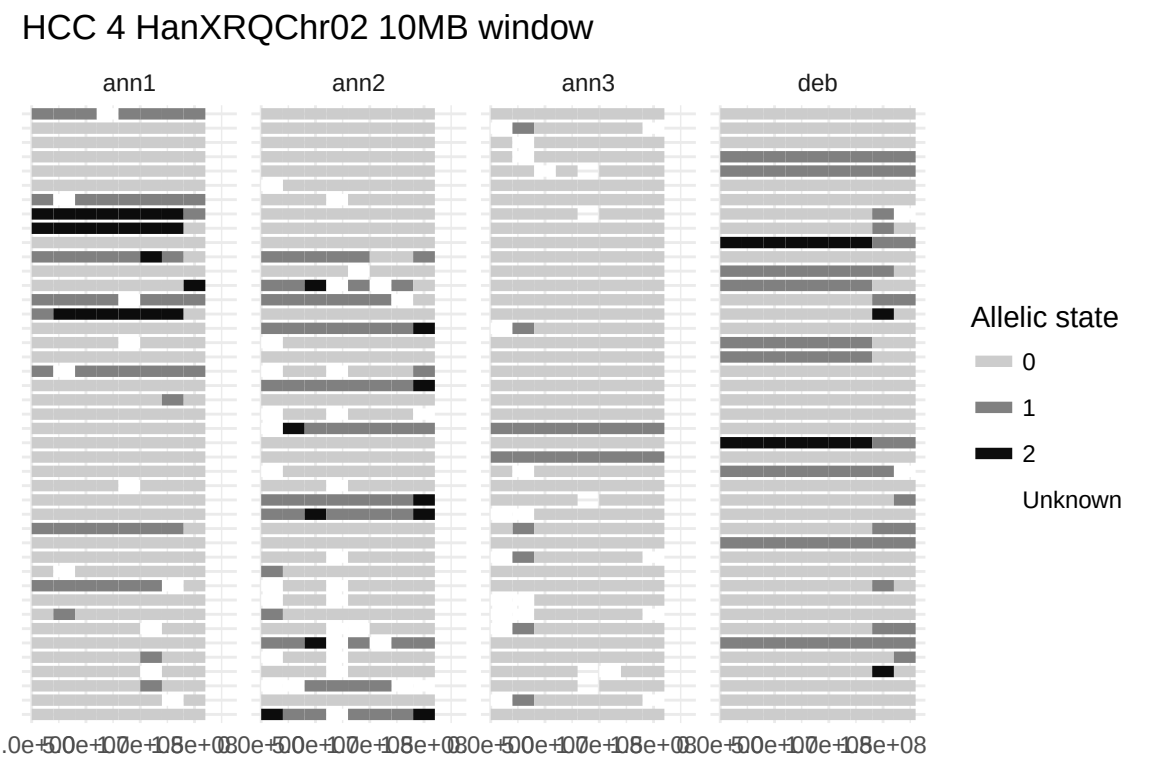
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ann2
ann3
deb
Allelic state
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2
Unknown
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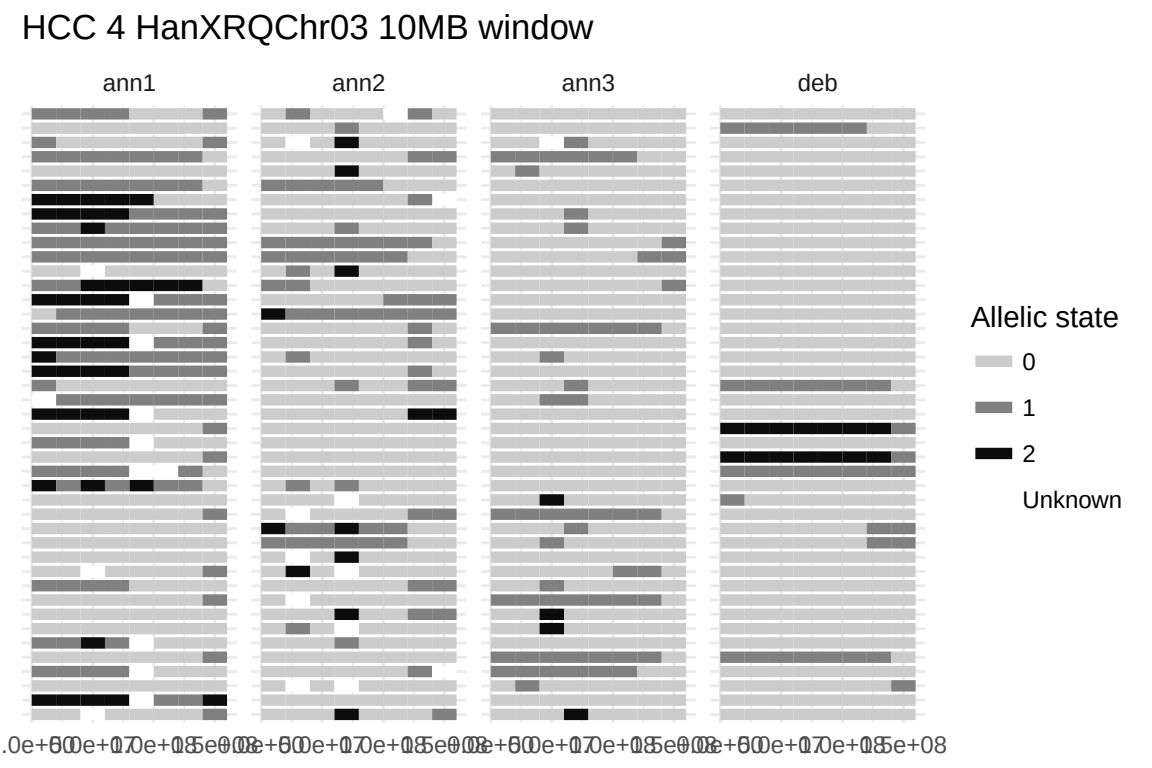
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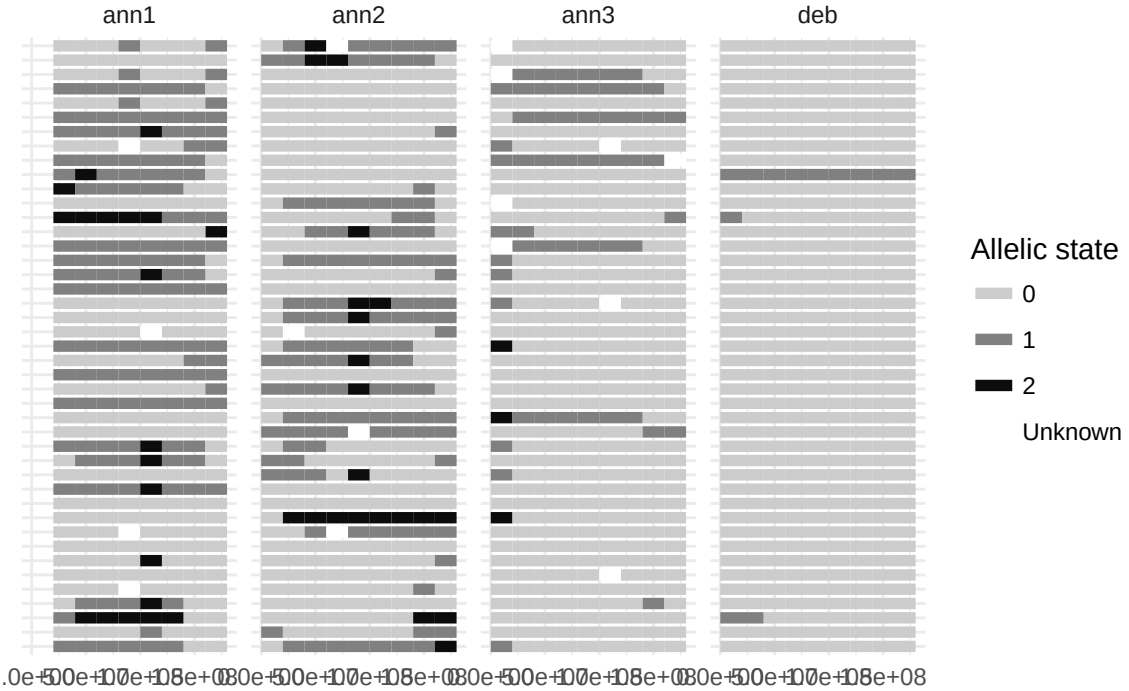
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 4 HanXRQChr04 10MB window



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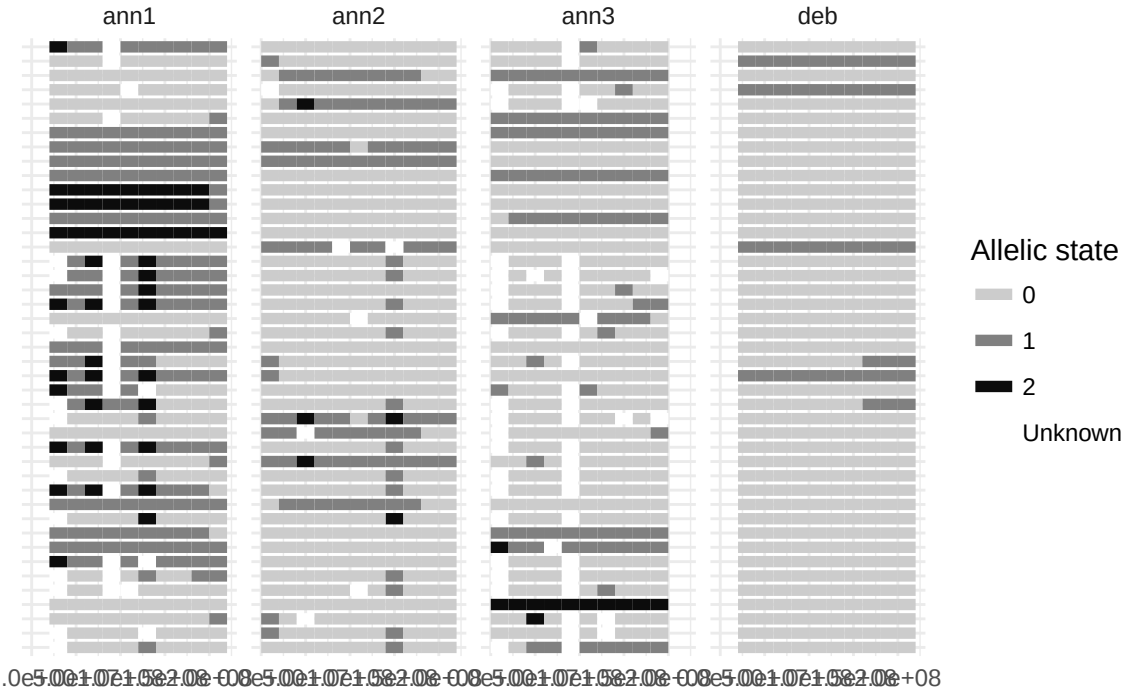

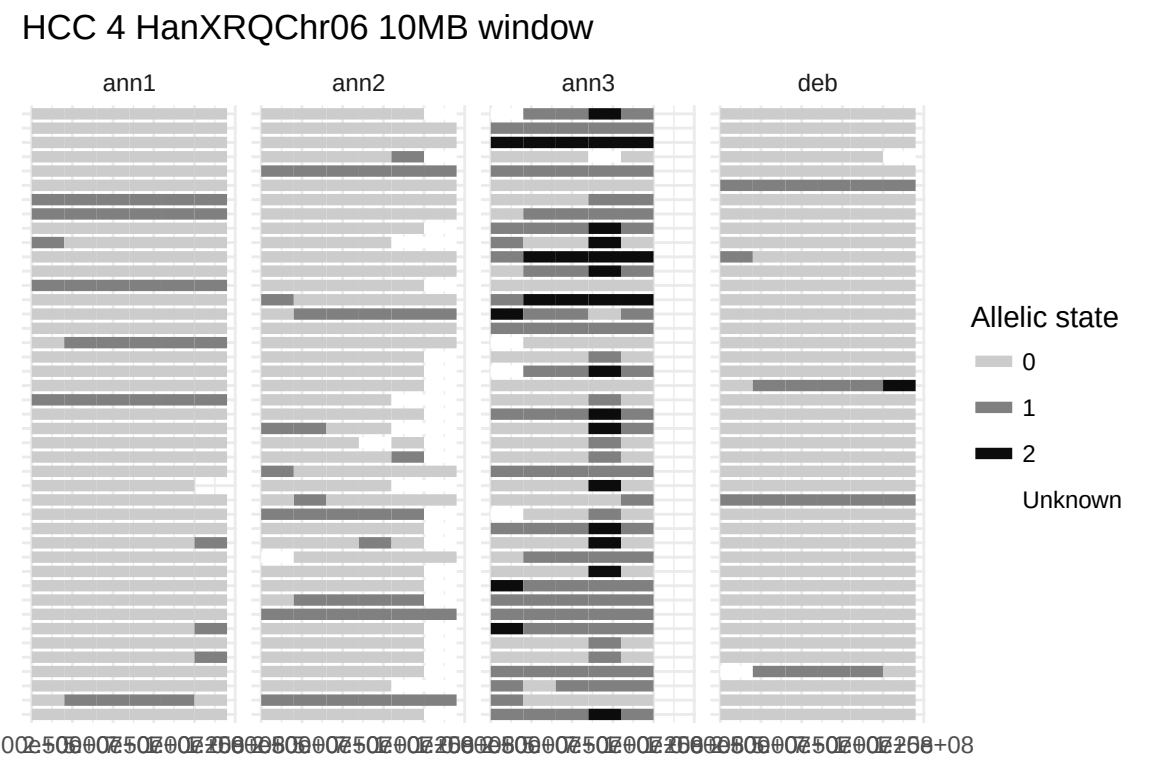
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ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 4 HanXRQChr07 10MB window
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ann3
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2
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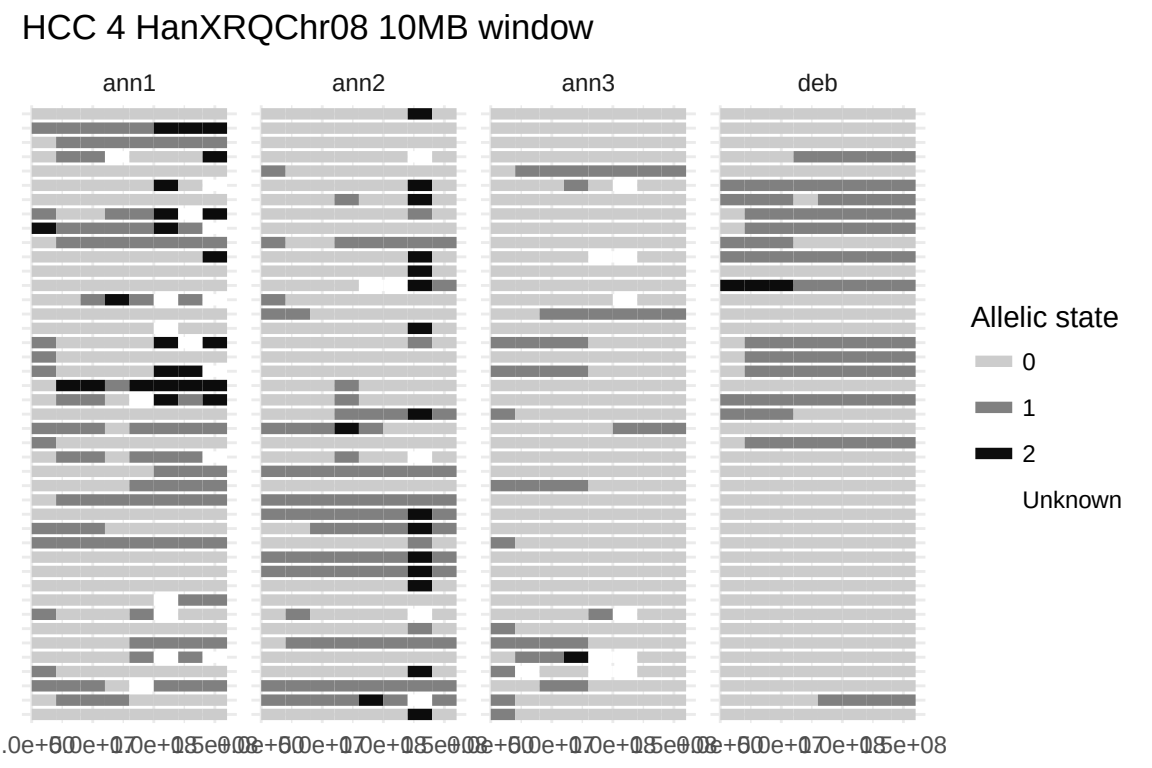
HCC 4 HanXRQChr08 10MB window
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ann2
ann3
deb
Allelic state
0
1
2
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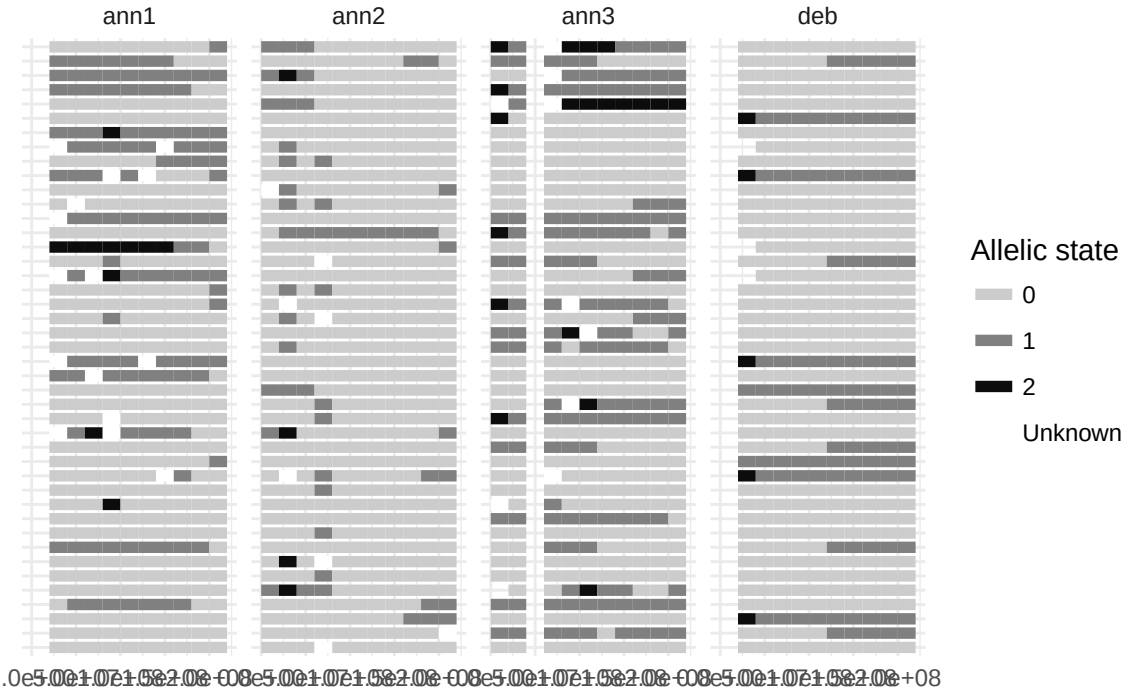
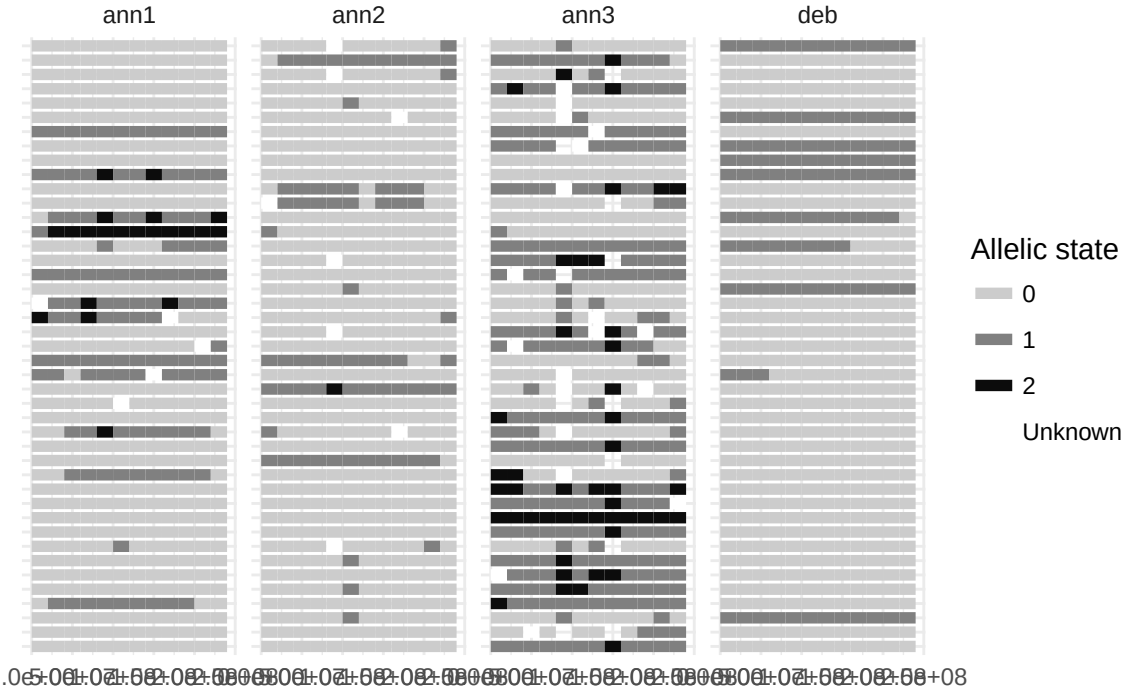
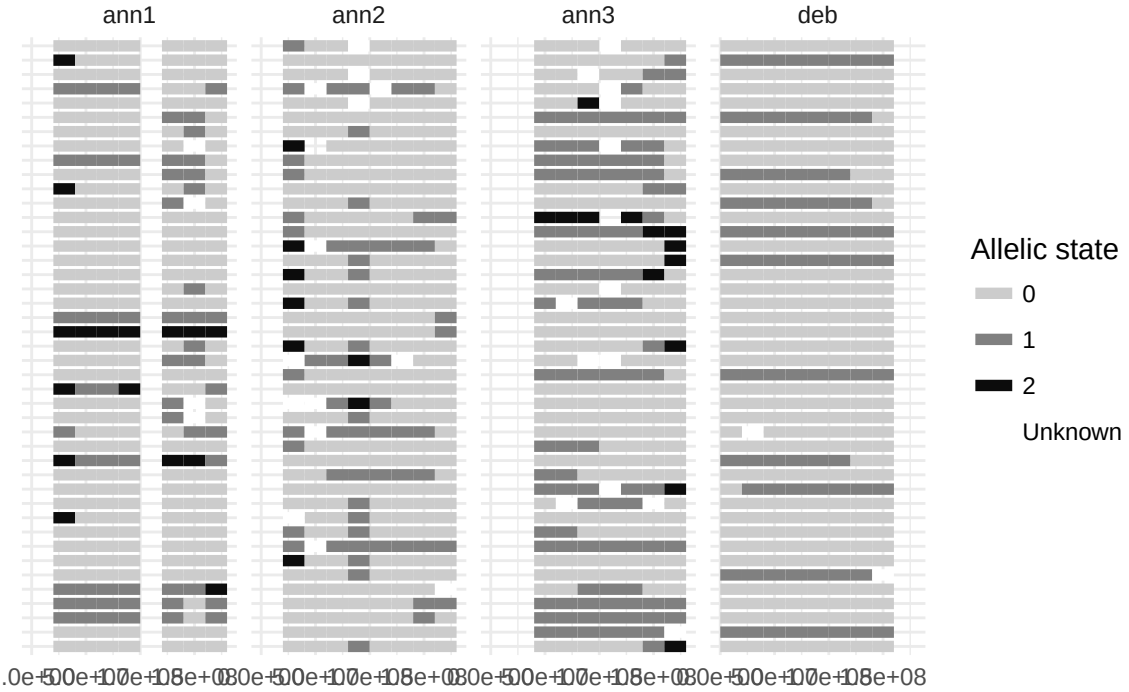
HCC 4 HanXRQChr09 10MB window



HCC 4 HanXRQChr10 10MB window



HCC 4 HanXRQChr11 10MB window



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ann3
deb
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1.0e+8
2.0e+8
0.0e+5
0.0e+5
0.0e+7
1.0e+7
1.0e+8
2.0e+8
0.0e+5
0.0e+5
0.0e+7
1.0e+7
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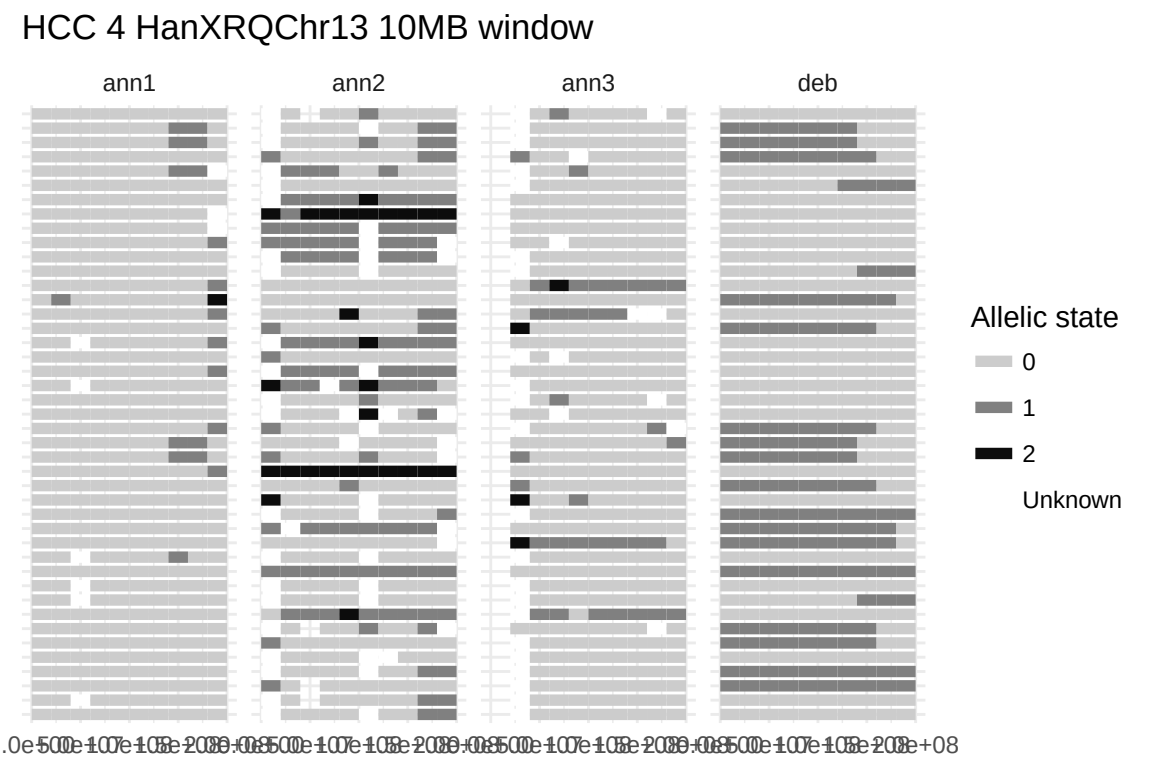
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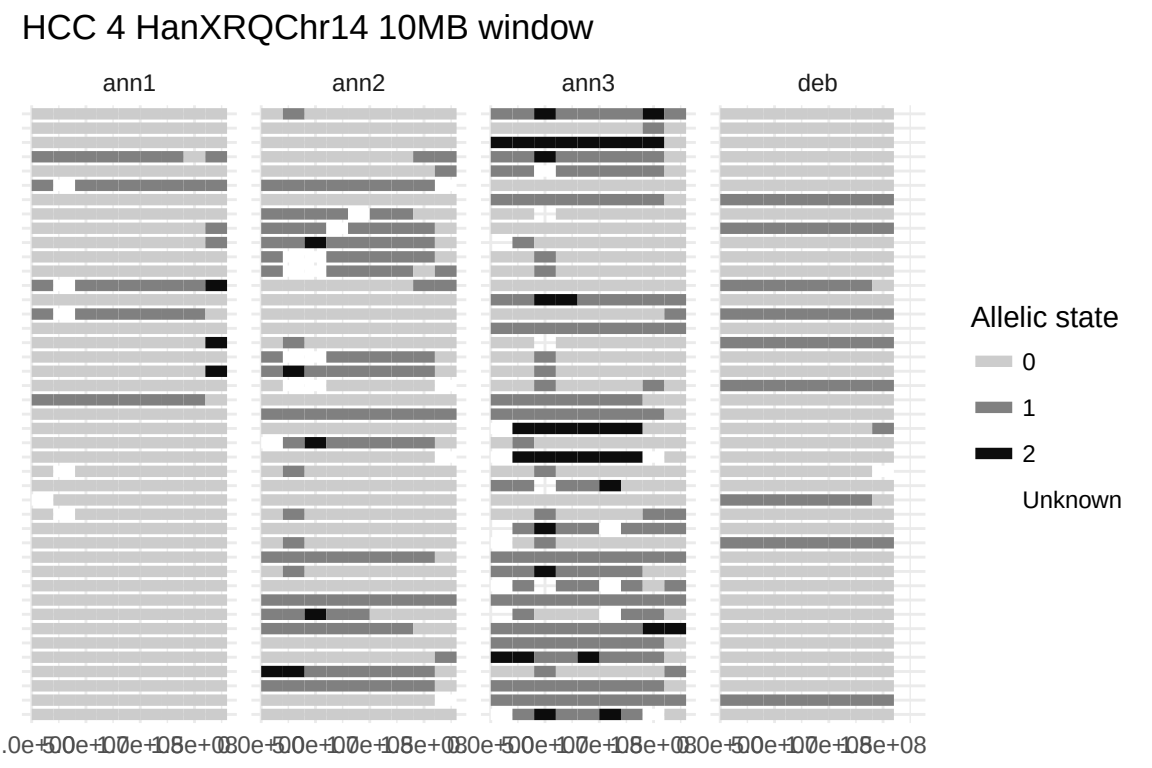
1
2
Unknown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1
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Unknown
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0.0e+5
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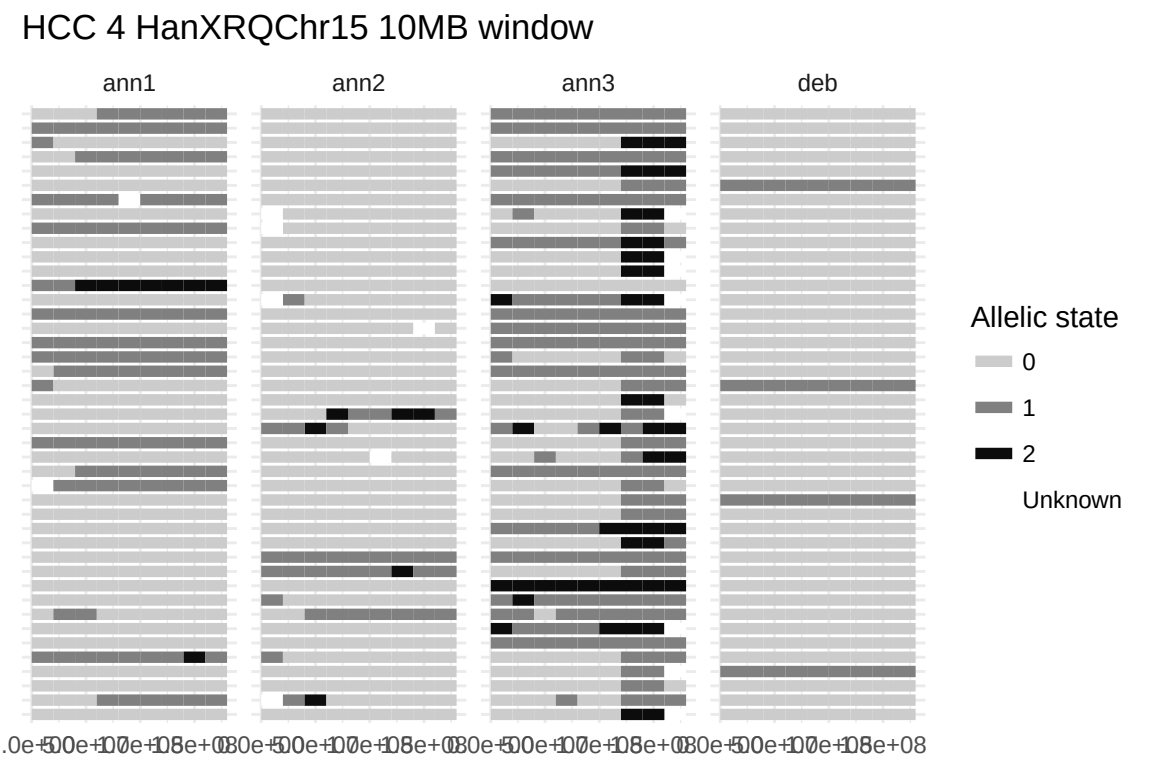
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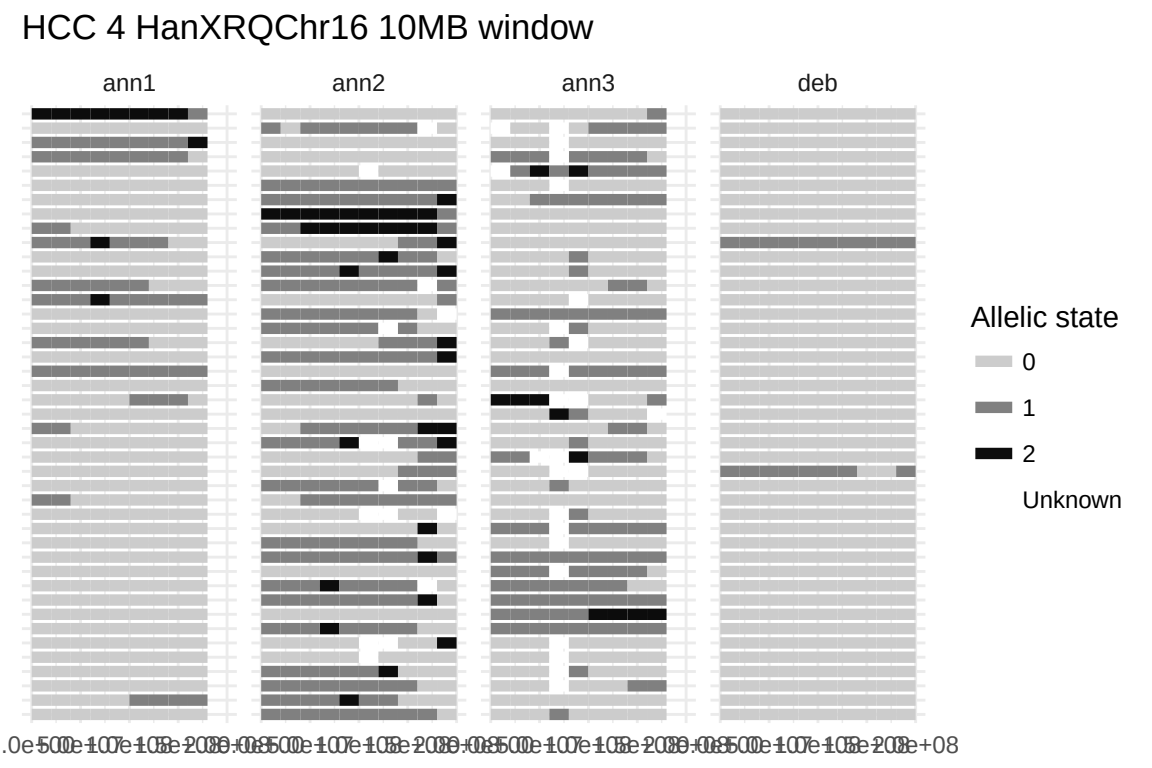
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1
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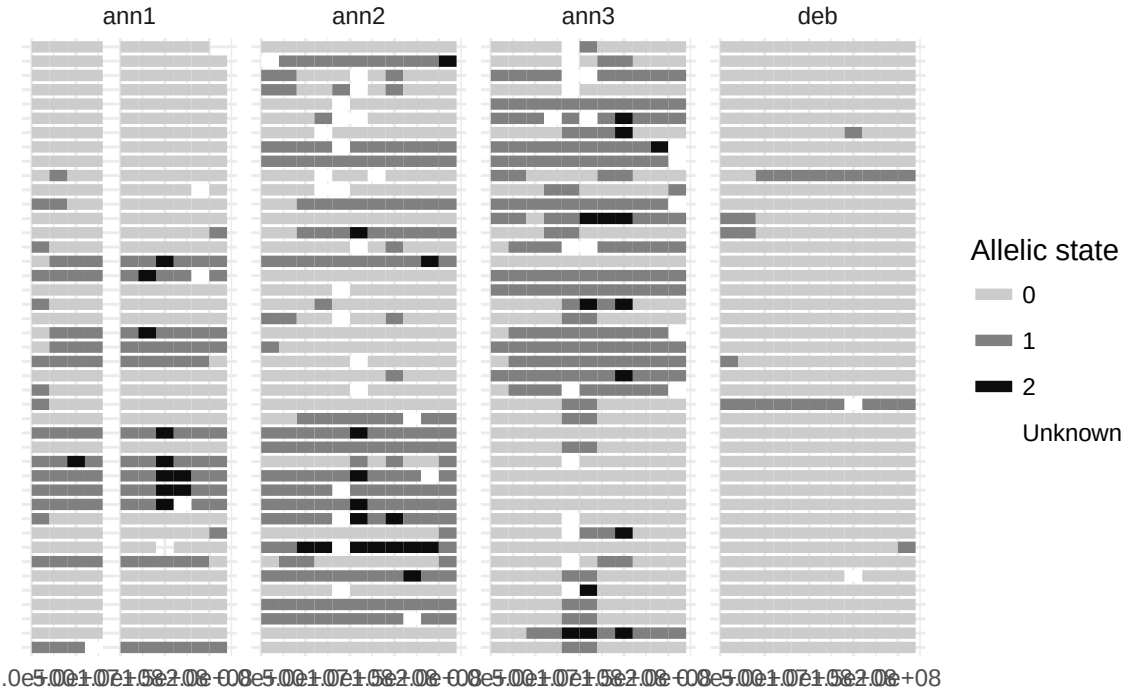
HCC 4 HanXRQChr17 10MB window


ann1
ann2
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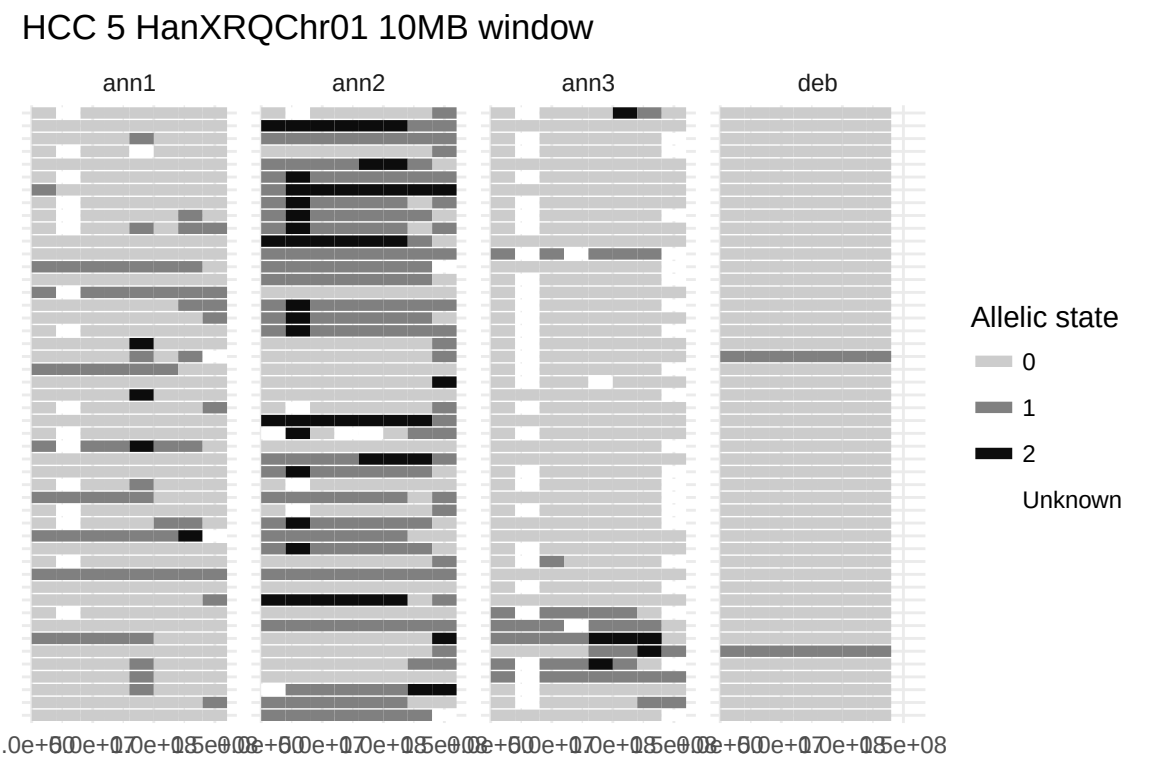
9.5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ann3
deb
Allelic state
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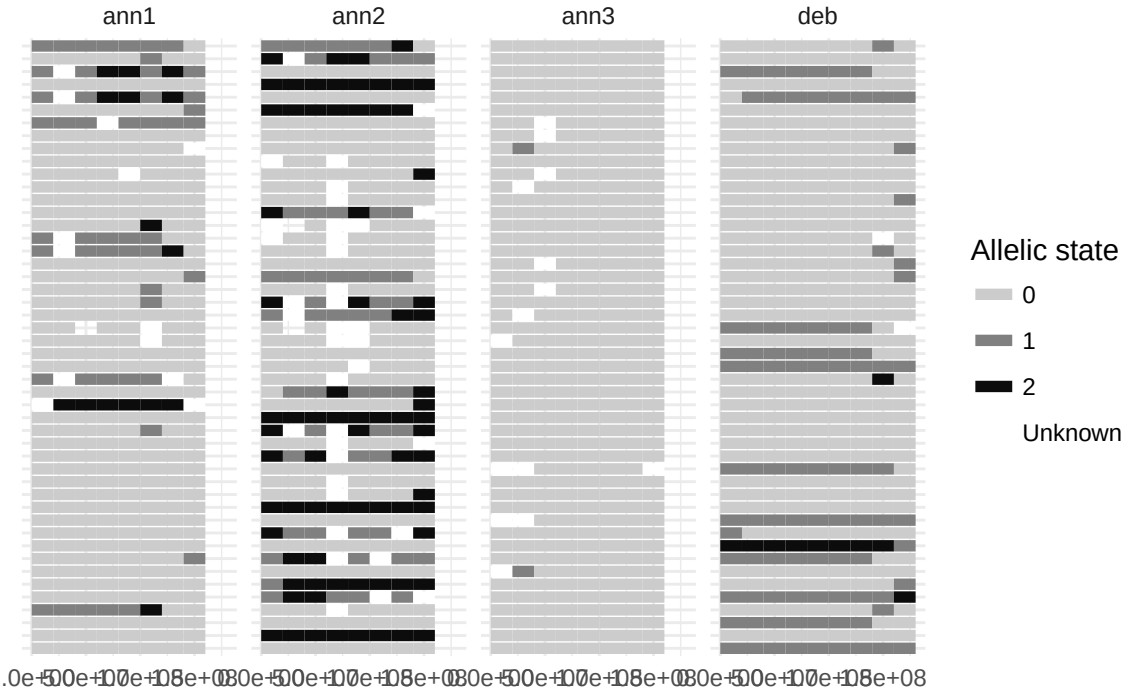
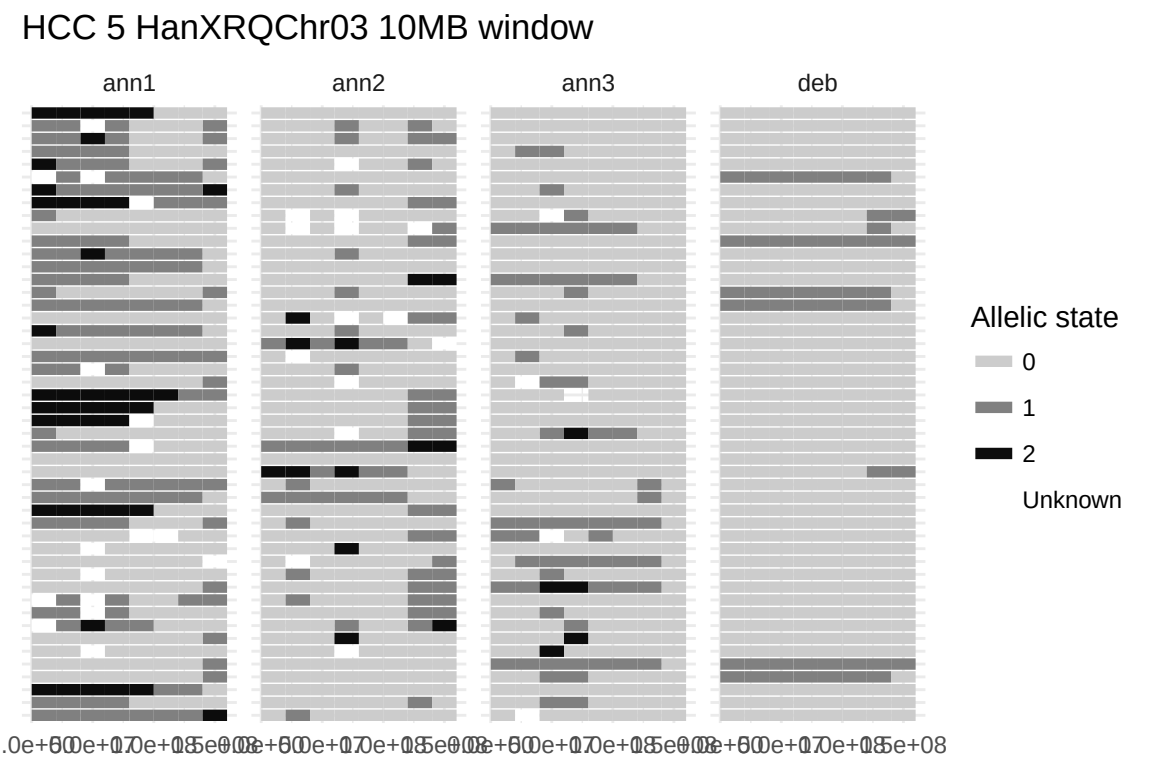
1
2
Unknown

HCC 5 HanXRQChr02 10MB window

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ann3
deb
Allelic state
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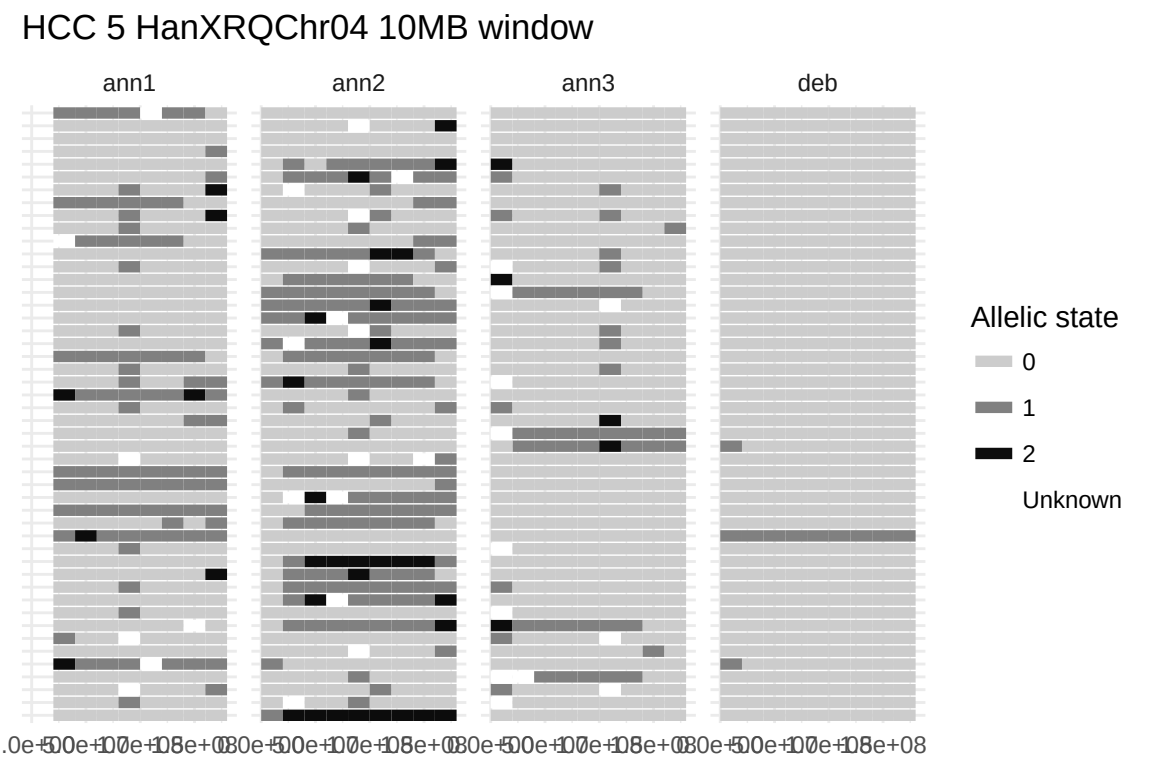
2
Unknown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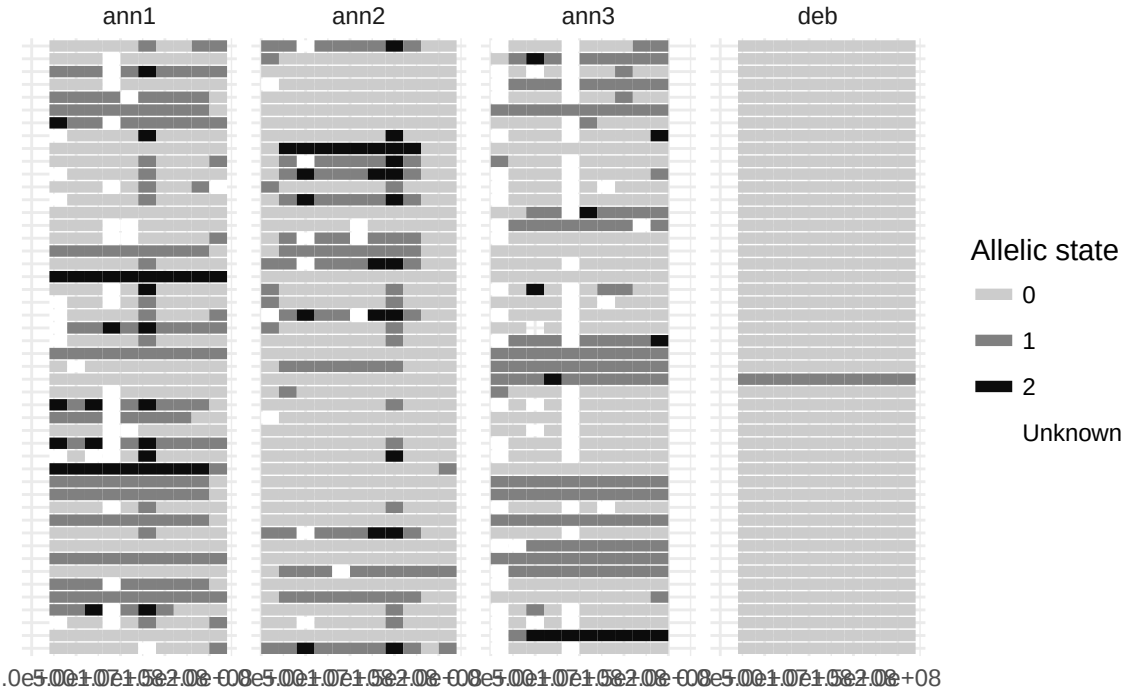
HCC 5 HanXRQChr05 10MB window


ann1
ann2
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deb
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1
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ann3
deb
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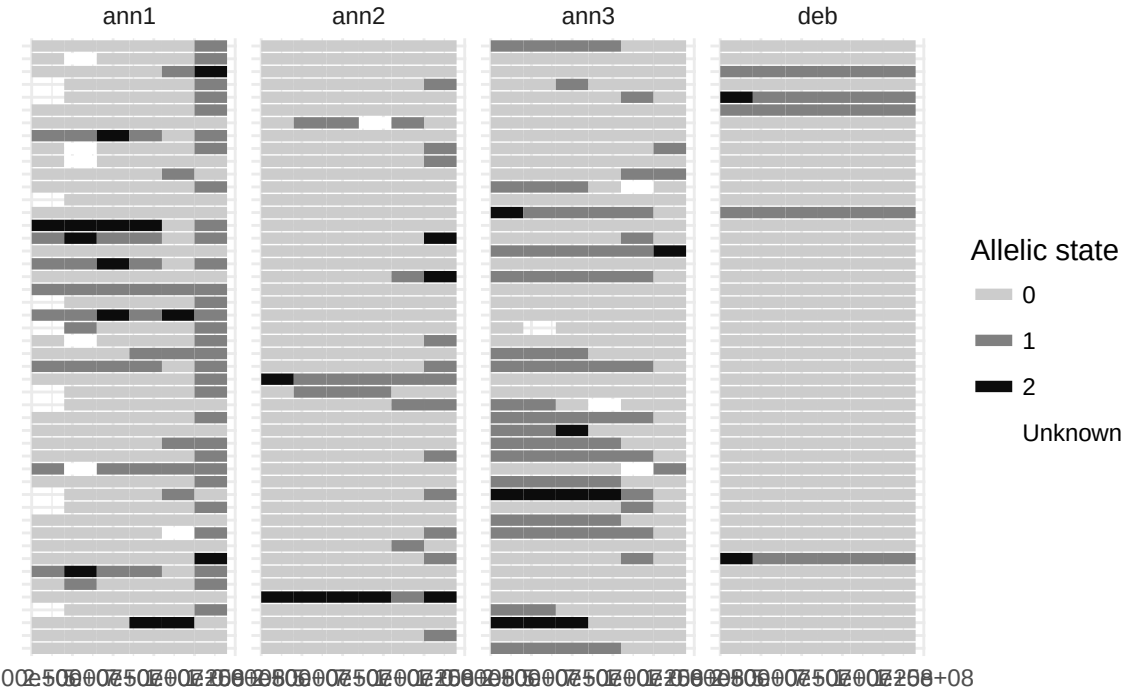
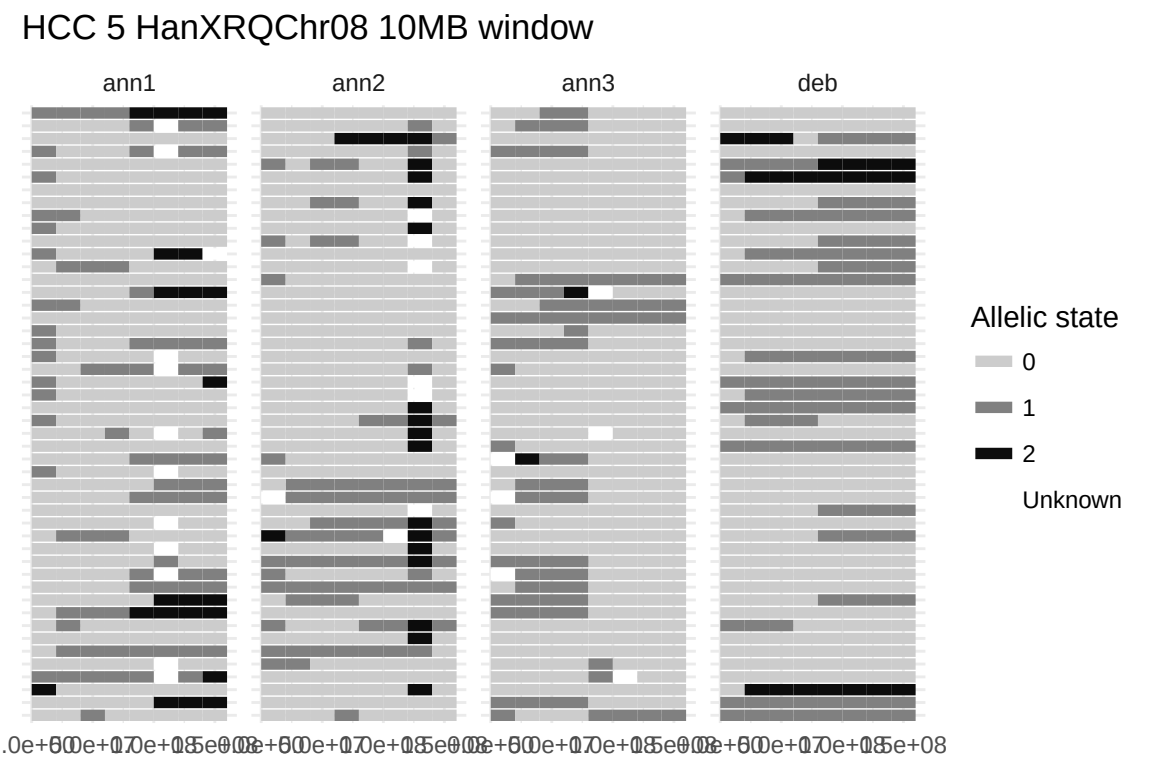
HCC 5 HanXRQChr07 10MB window

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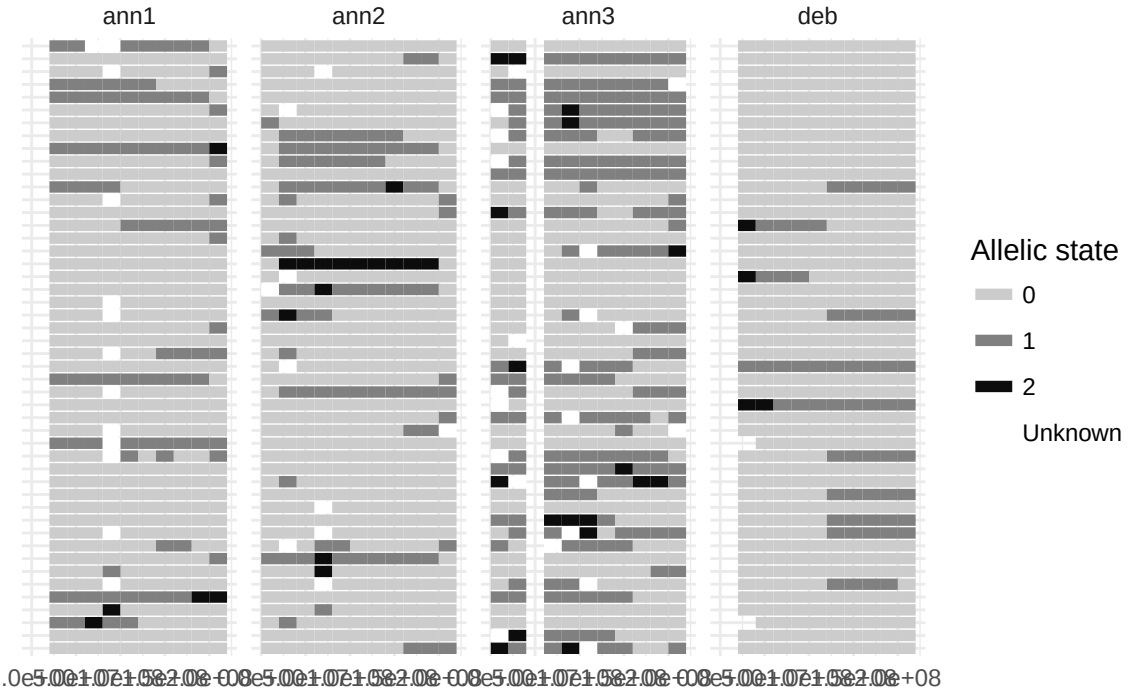

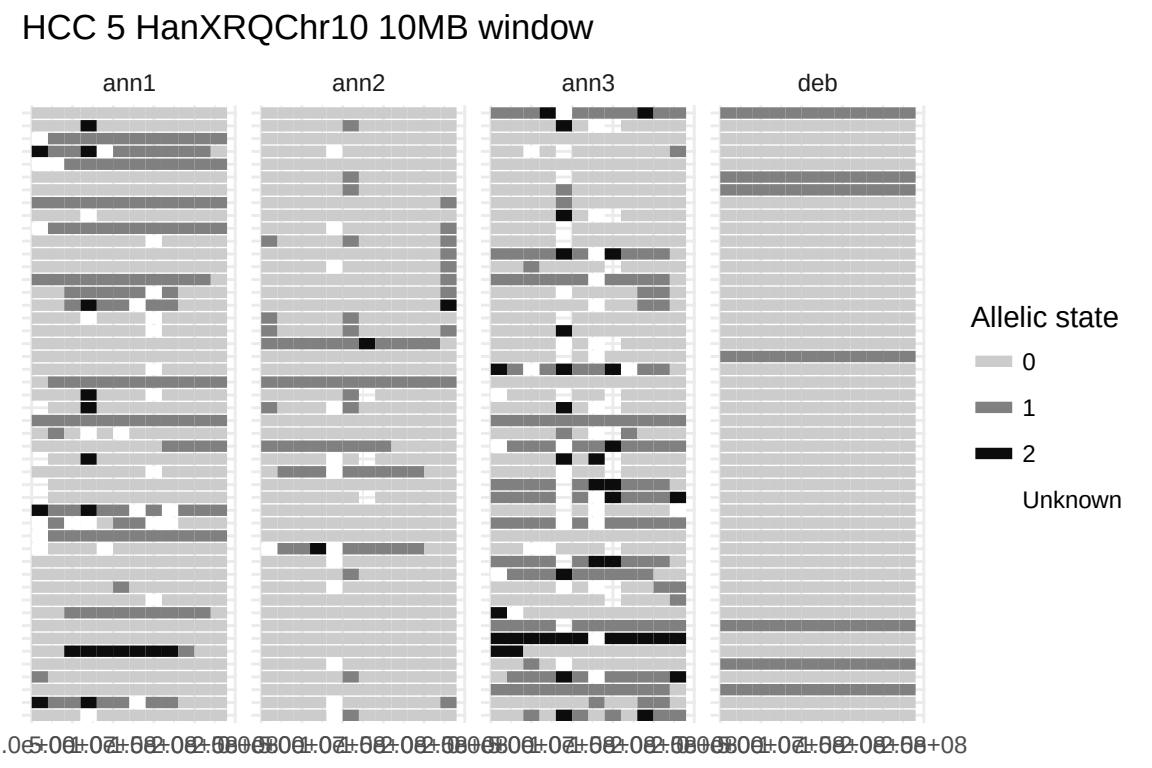
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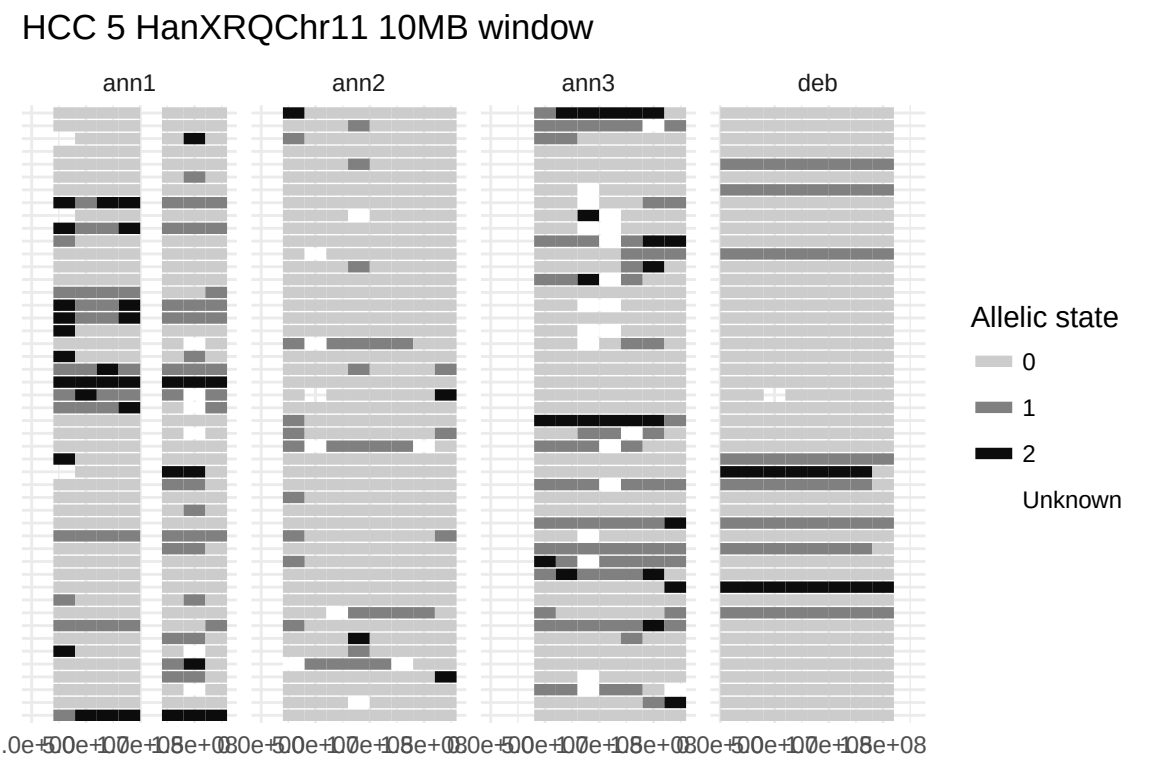
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HCC 5 HanXRQChr12 10MB window
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ann3
deb
Allelic state
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2
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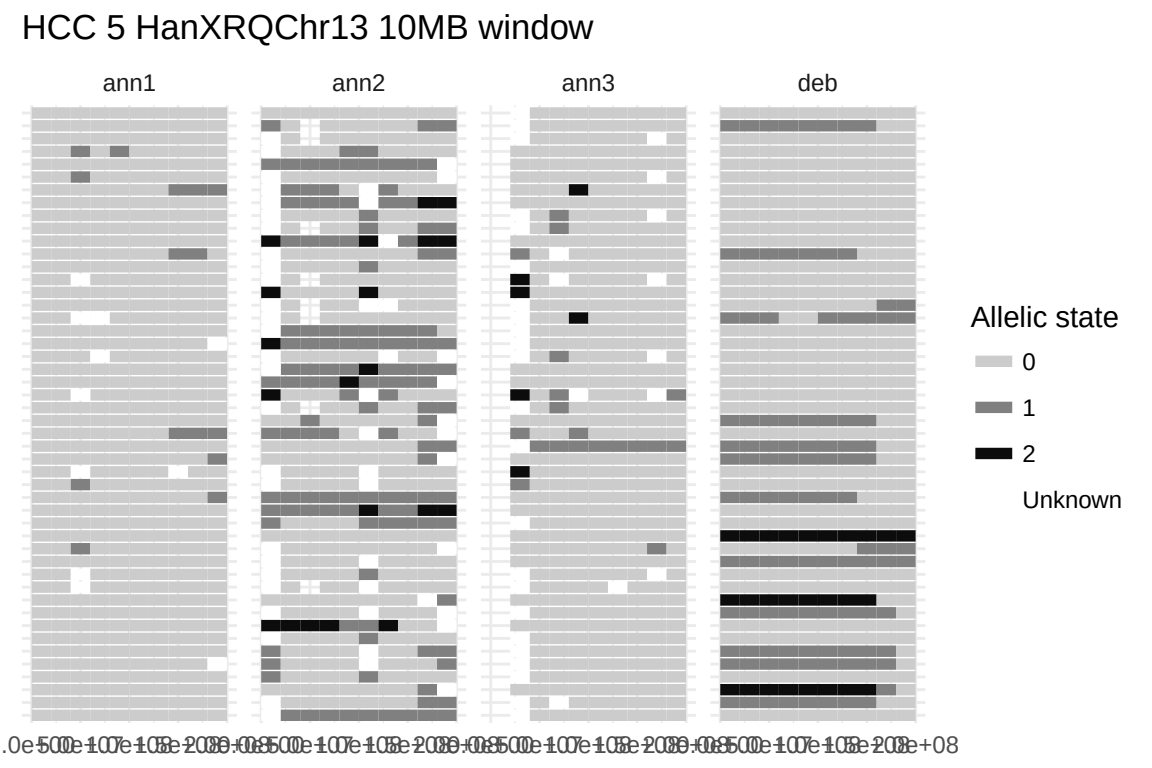
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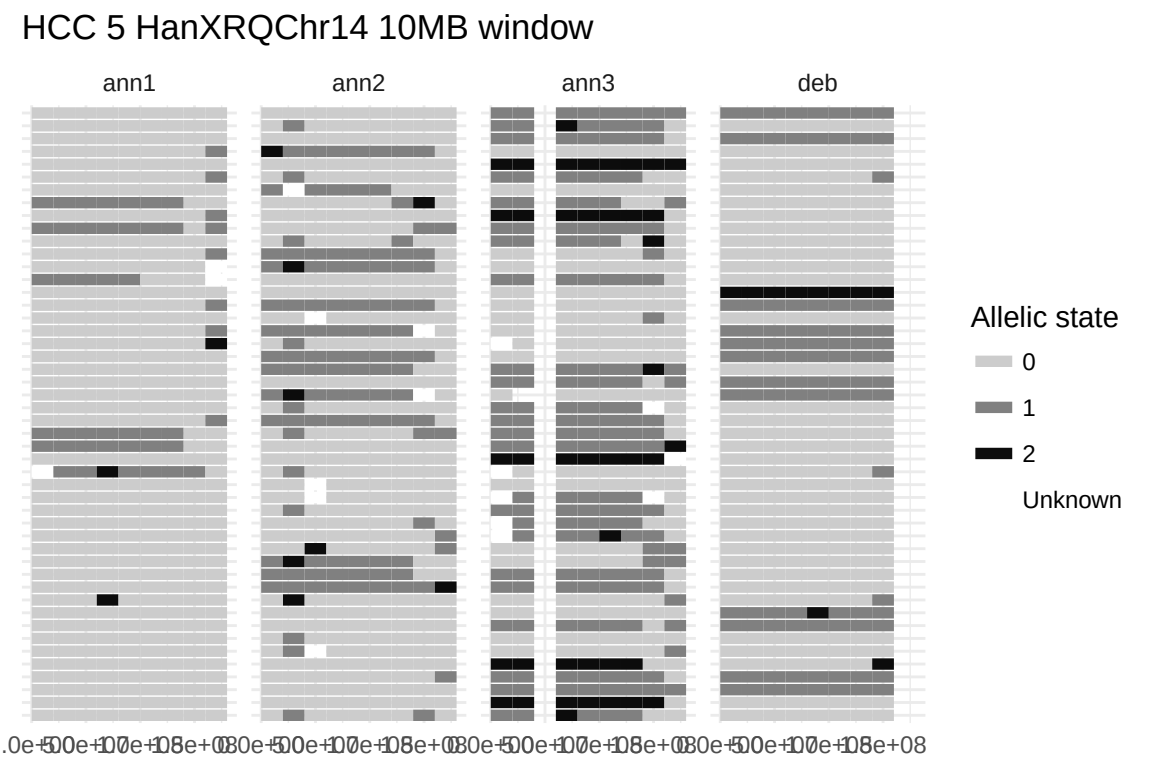
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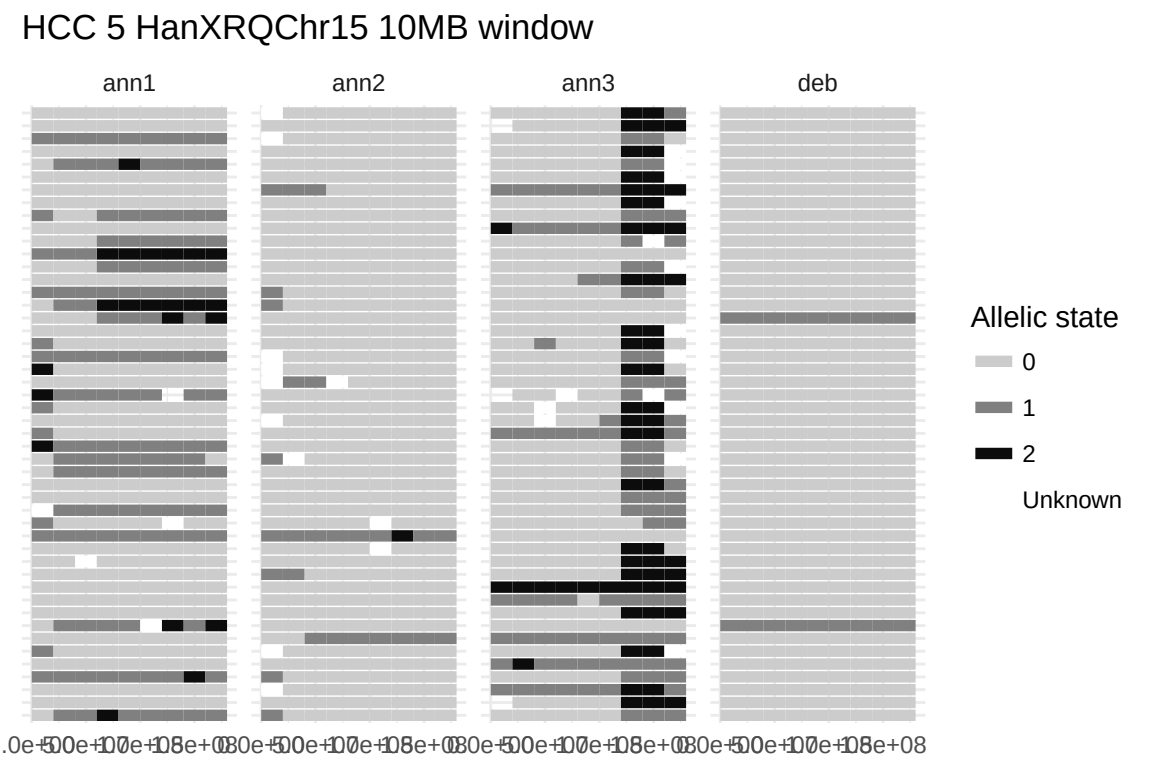
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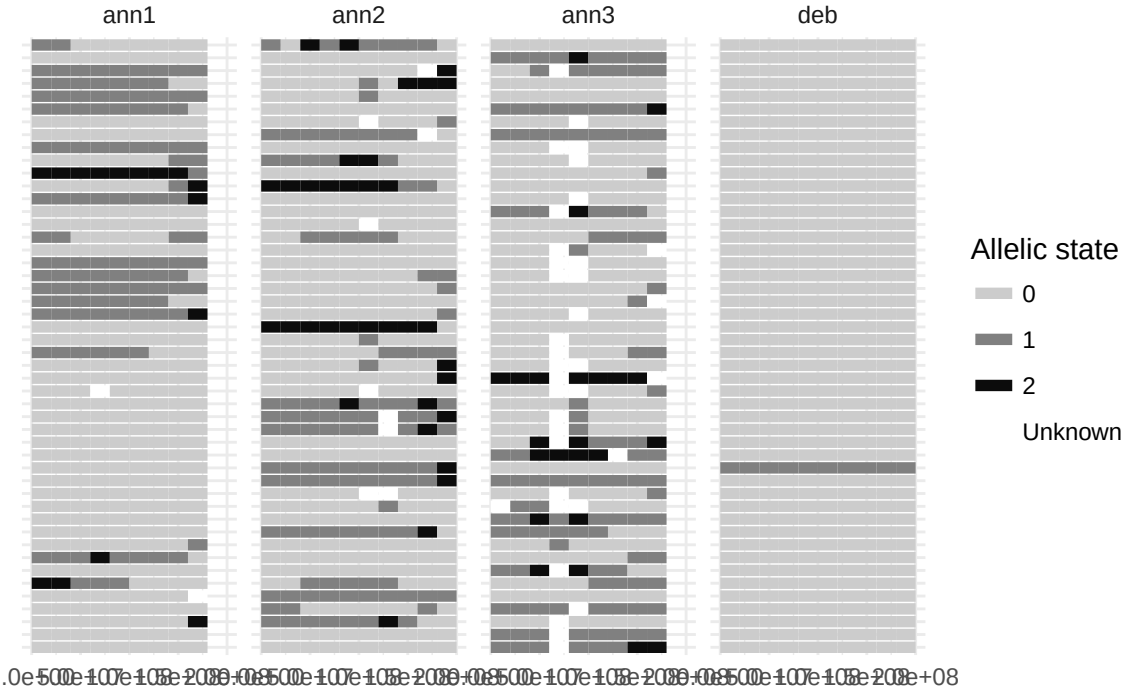
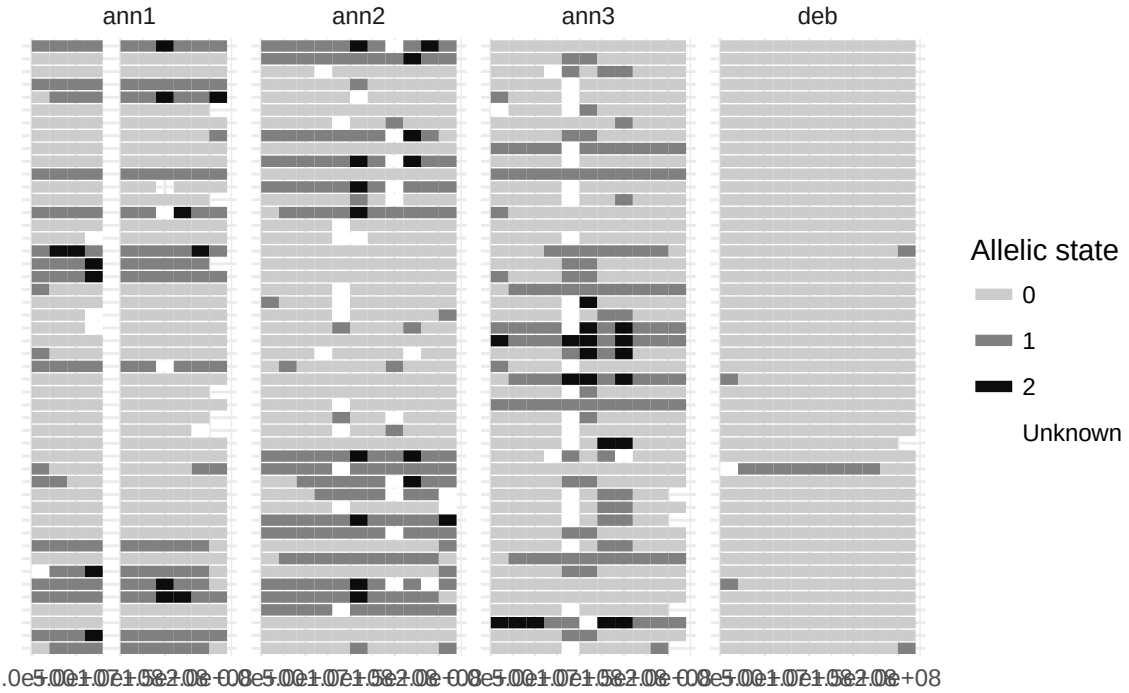
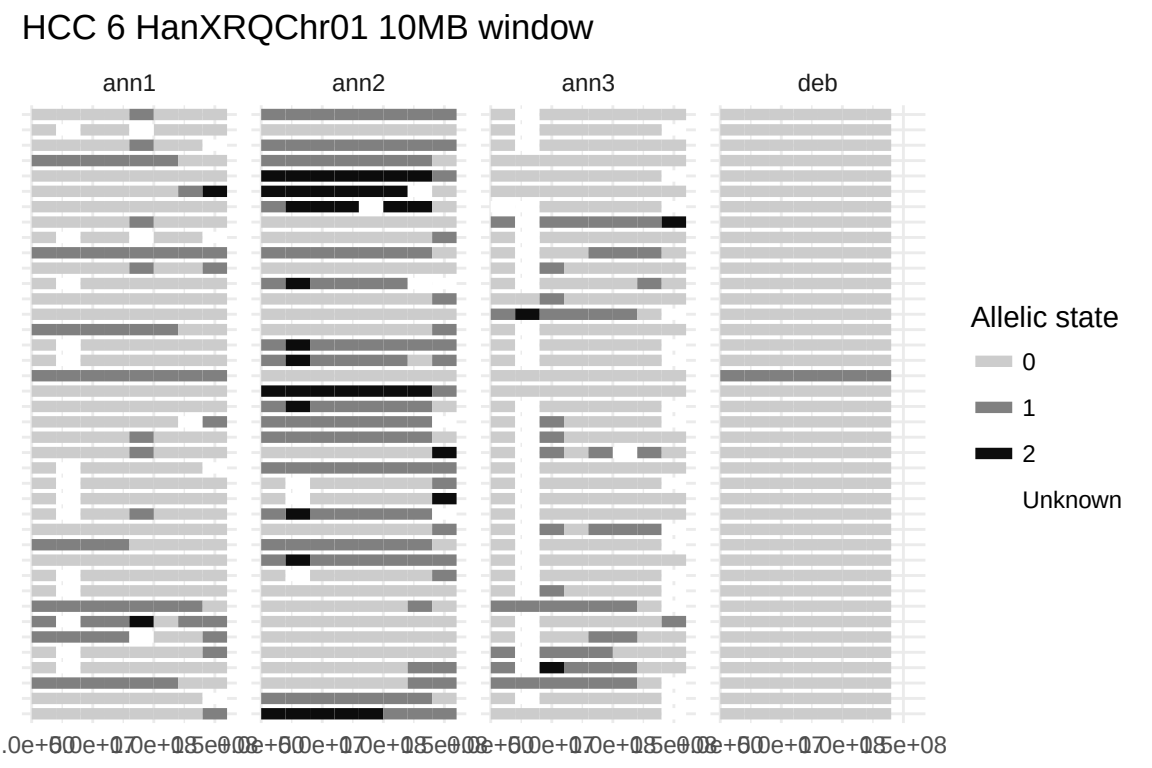
HCC 5 HanXRQChr16 10MB window



HCC 5 HanXRQChr17 10MB window

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deb
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HCC 6 HanXRQChr02 10MB window
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ann3
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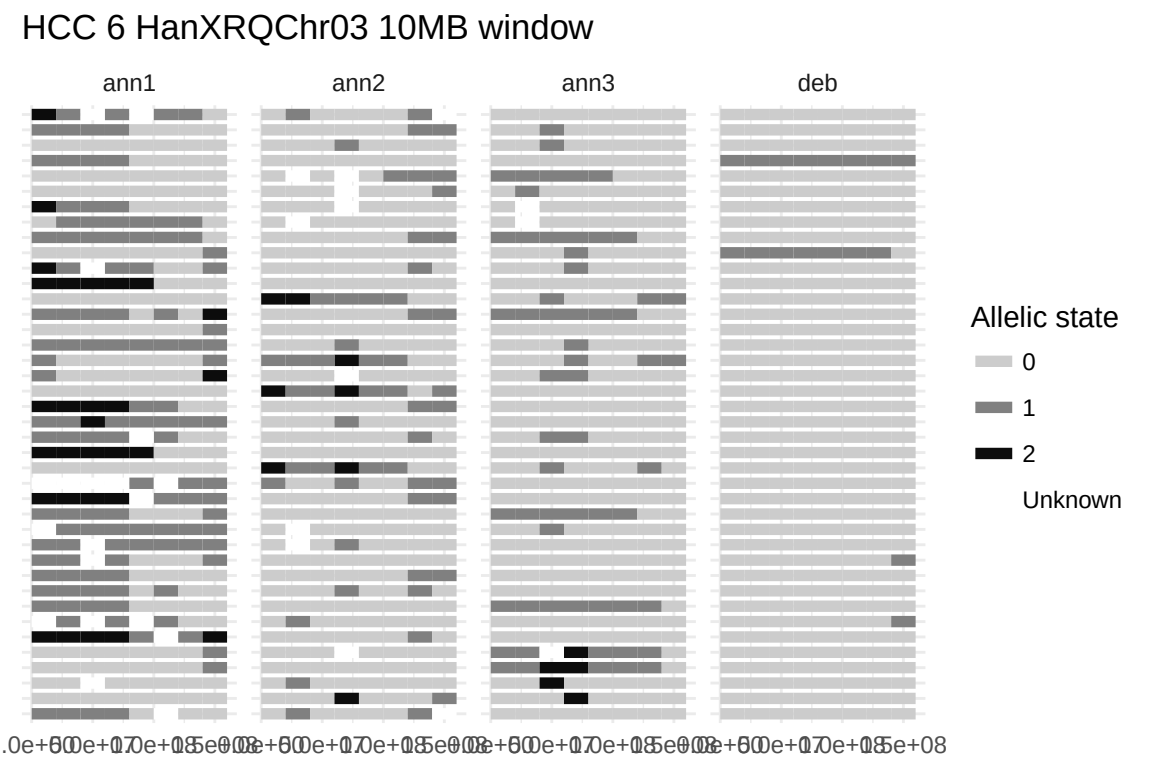
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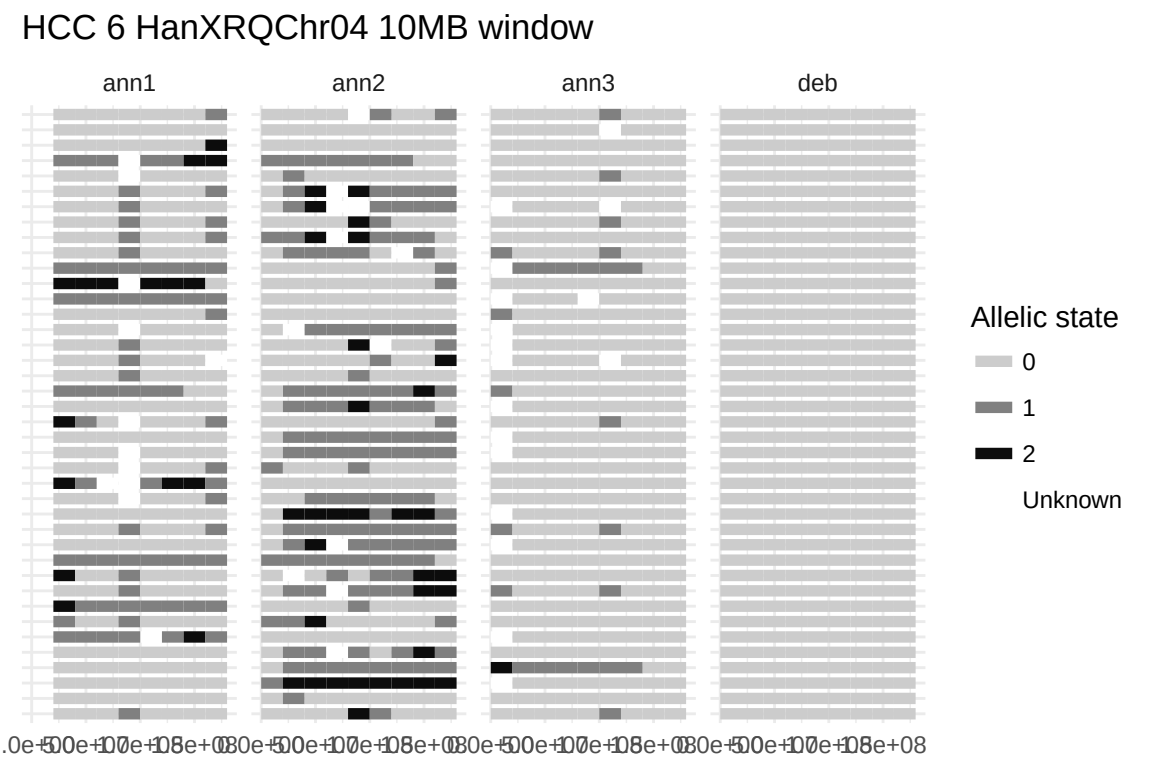
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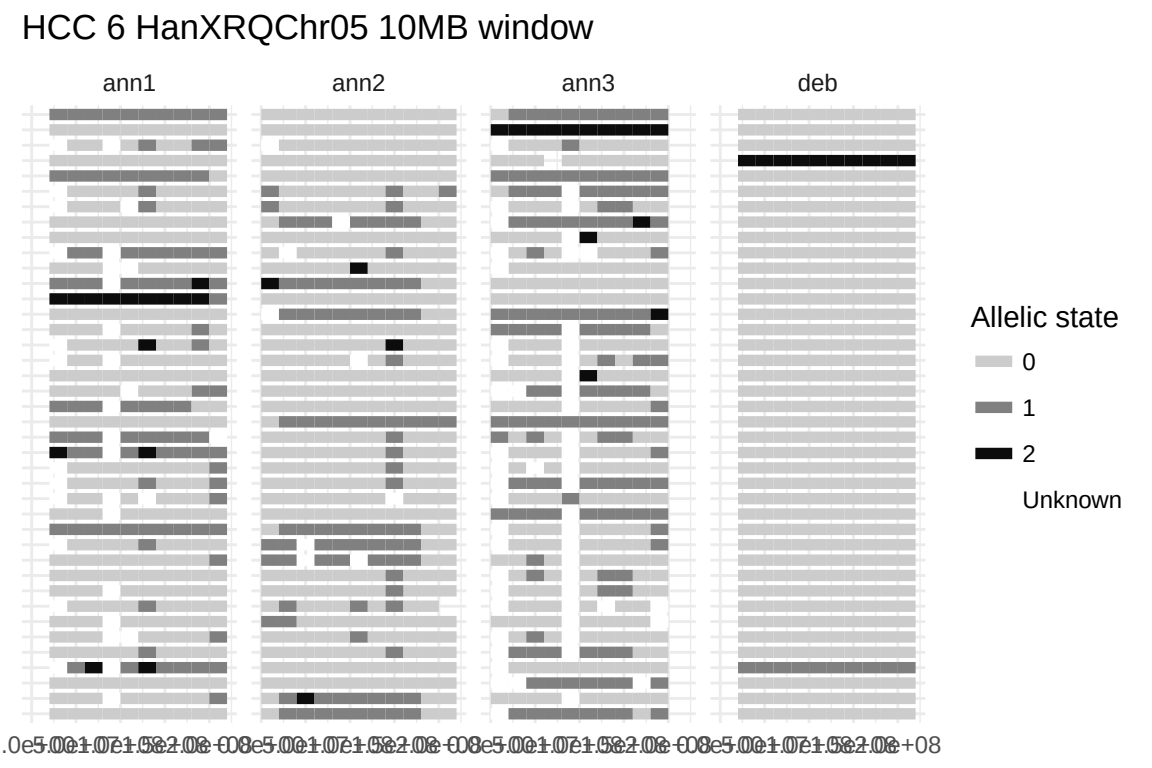
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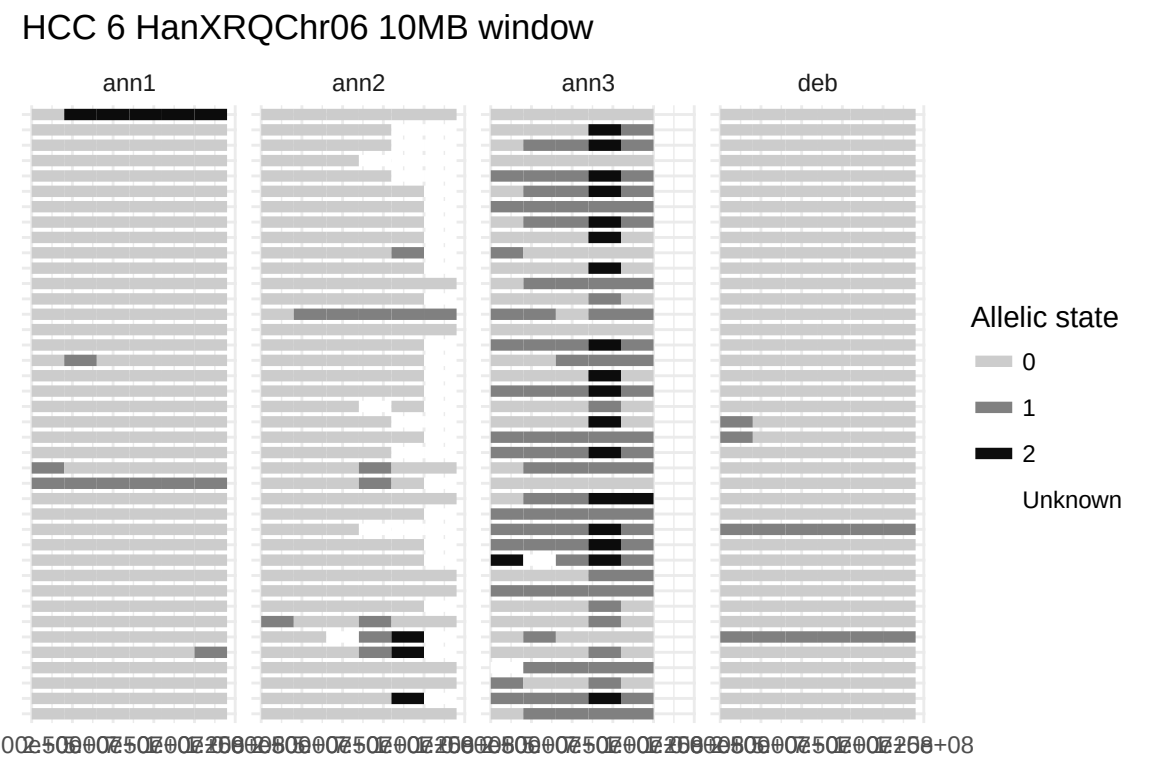
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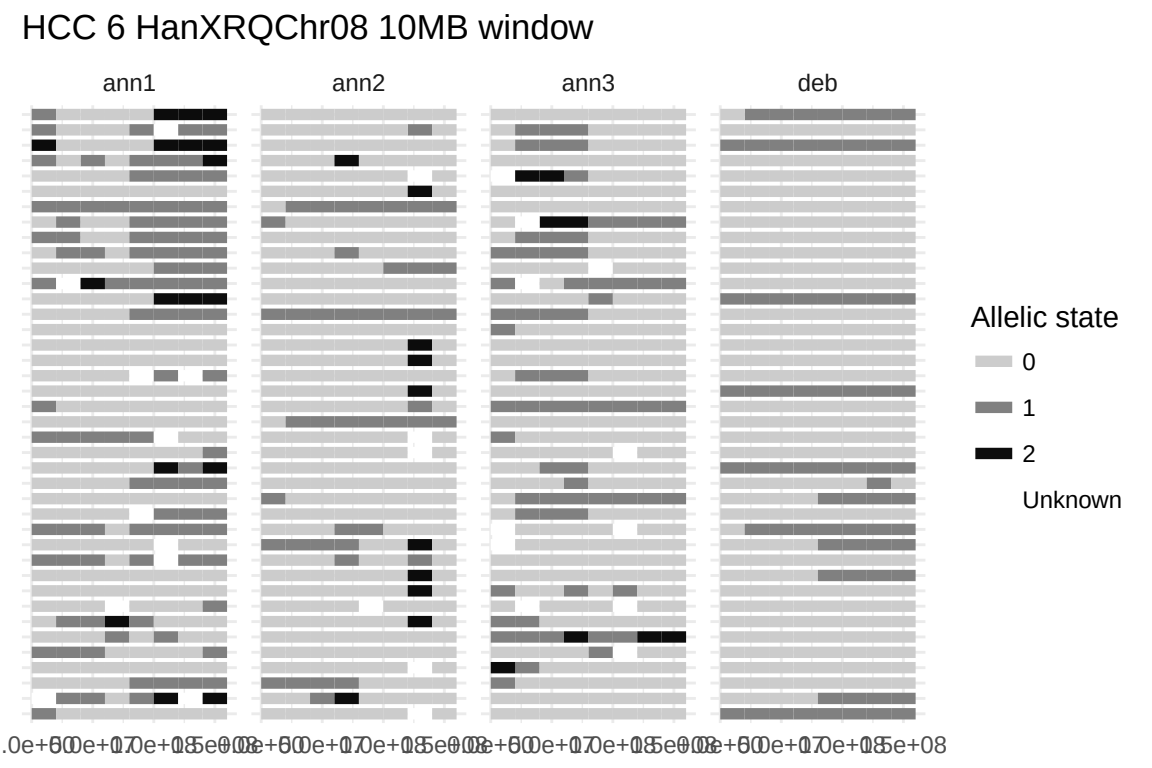
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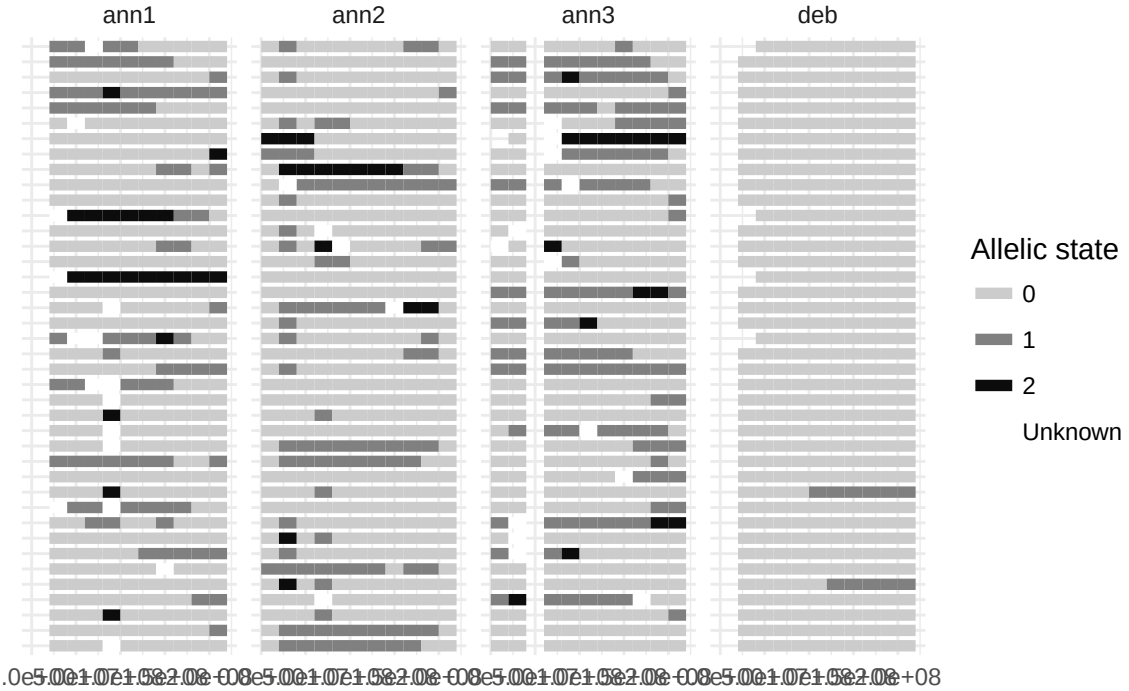
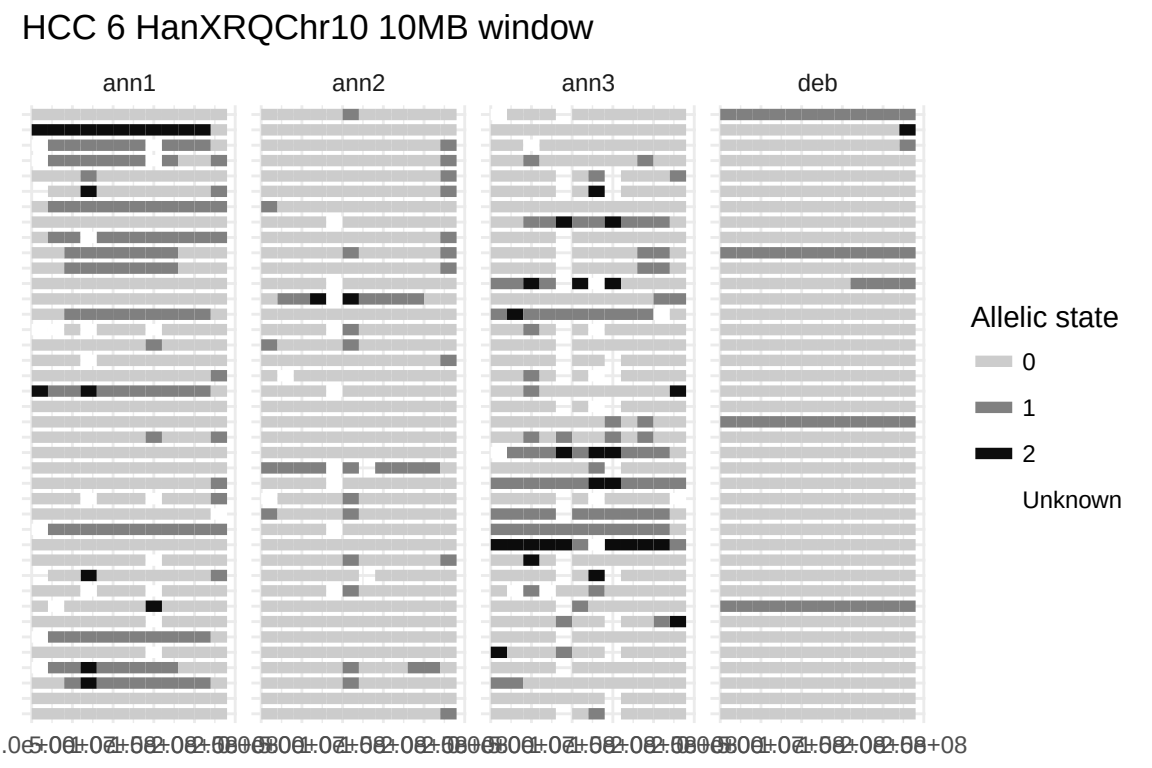
HCC 6 HanXRQChr09 10MB window

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HCC 6 HanXRQChr11 10MB window
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ann2
ann3
deb
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2
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HCC 6 HanXRQChr12 10MB window
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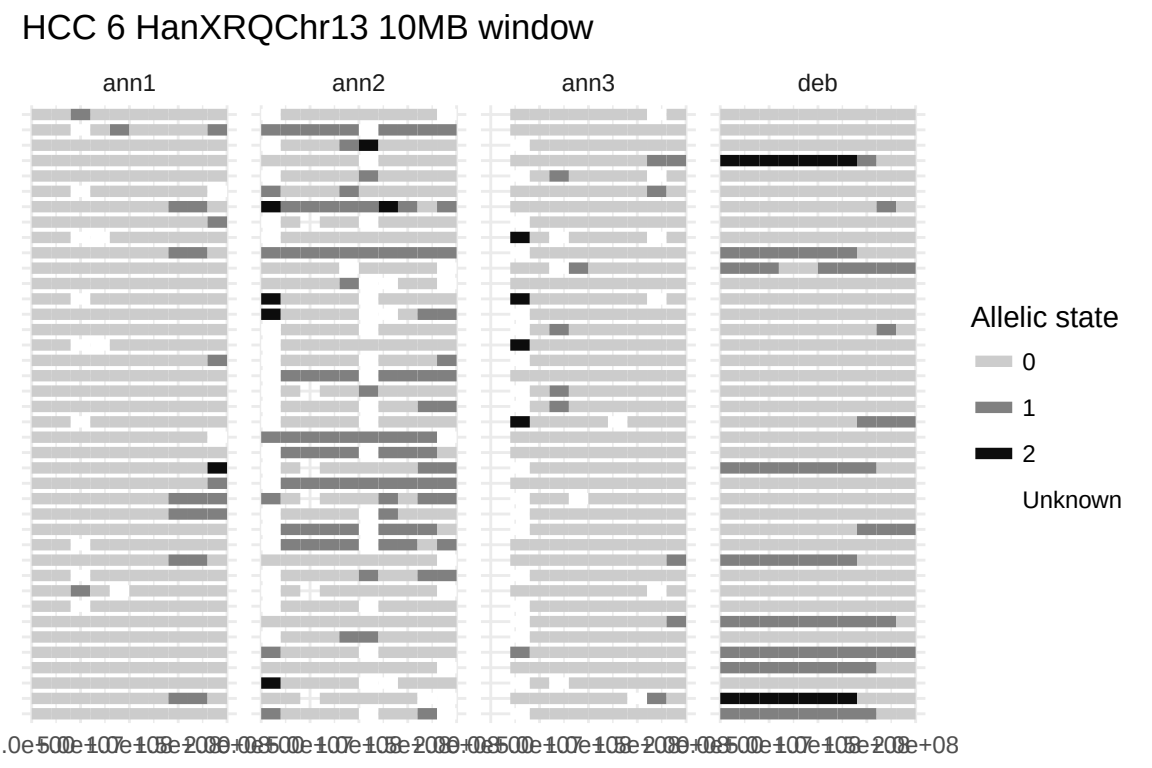
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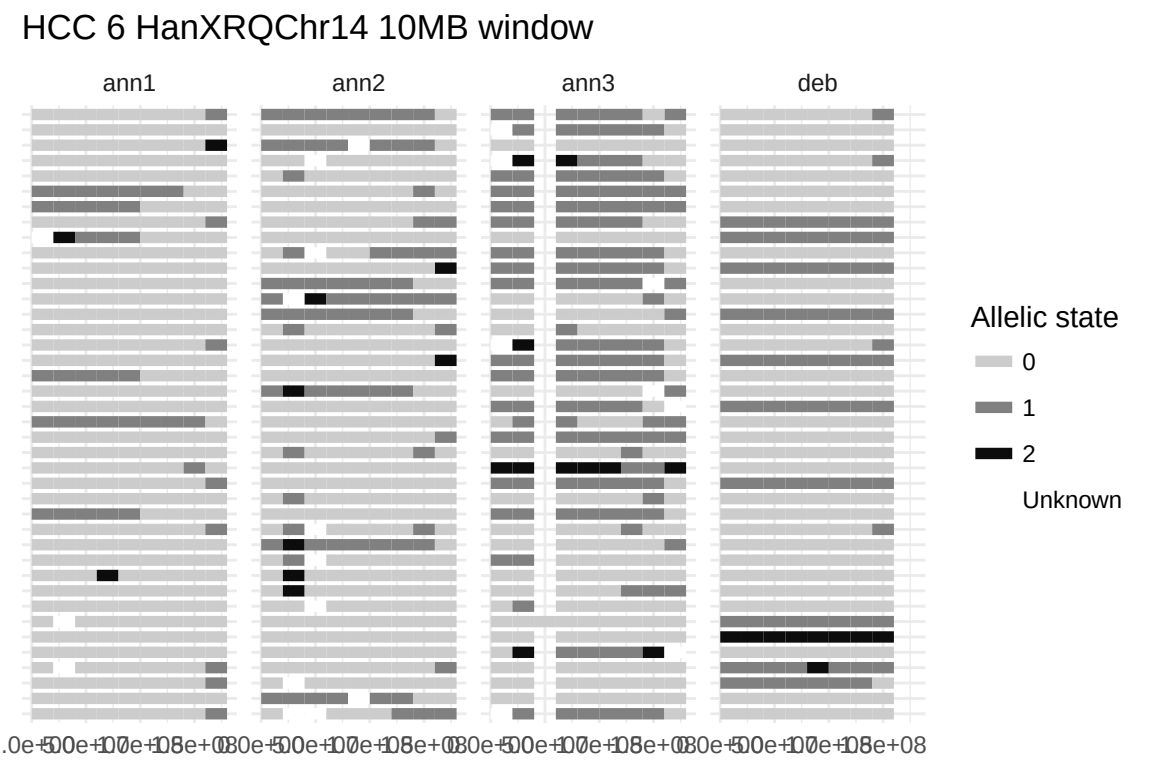
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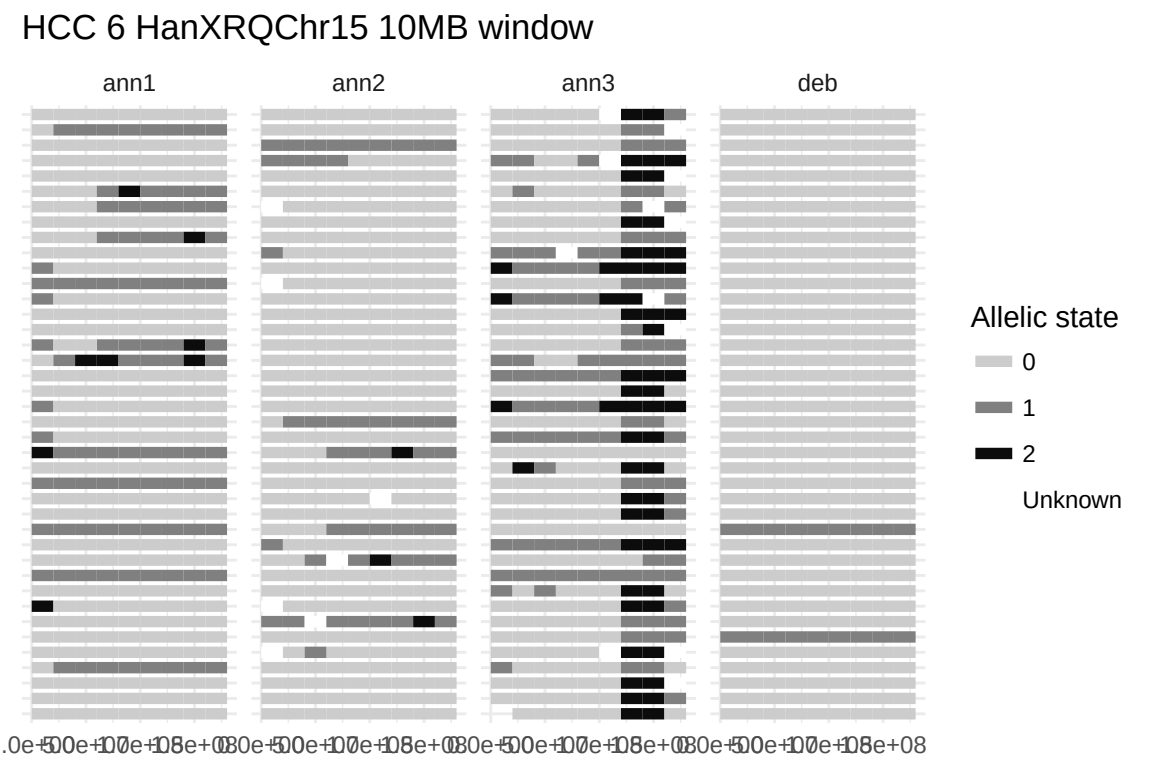
HCC 6 HanXRQChr15 10MB window
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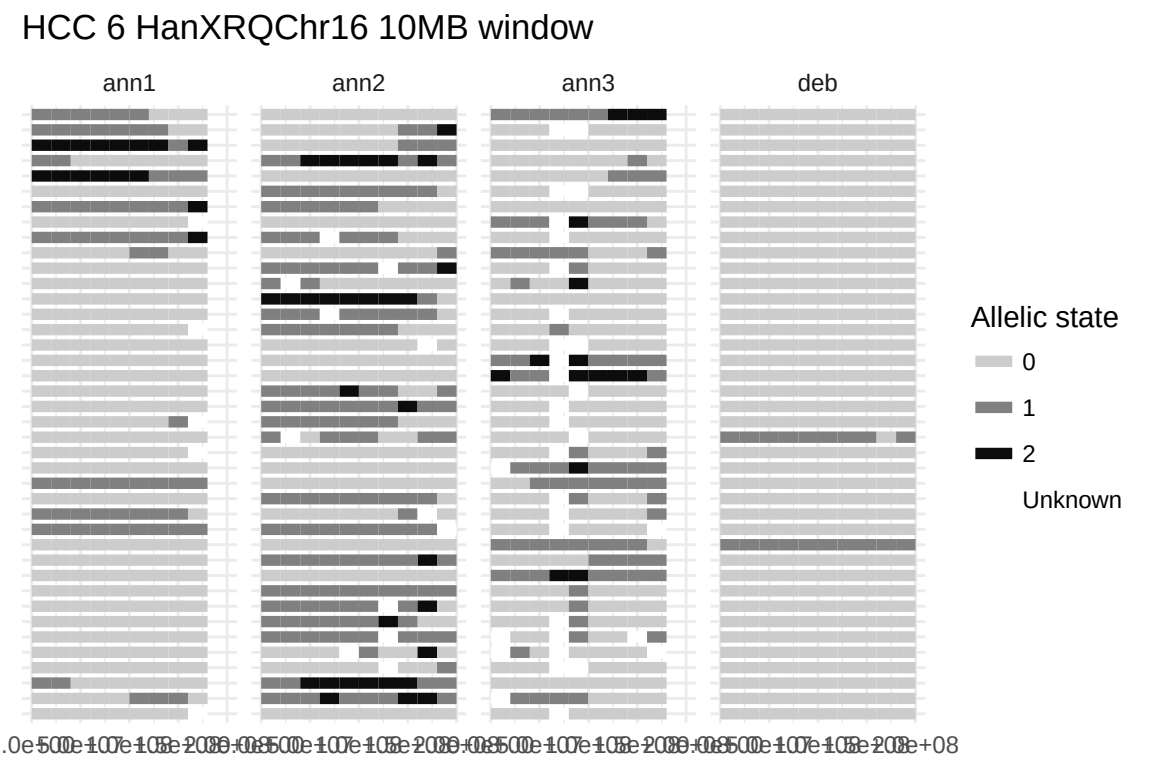
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ann3
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Allelic state
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1
2
Unknown

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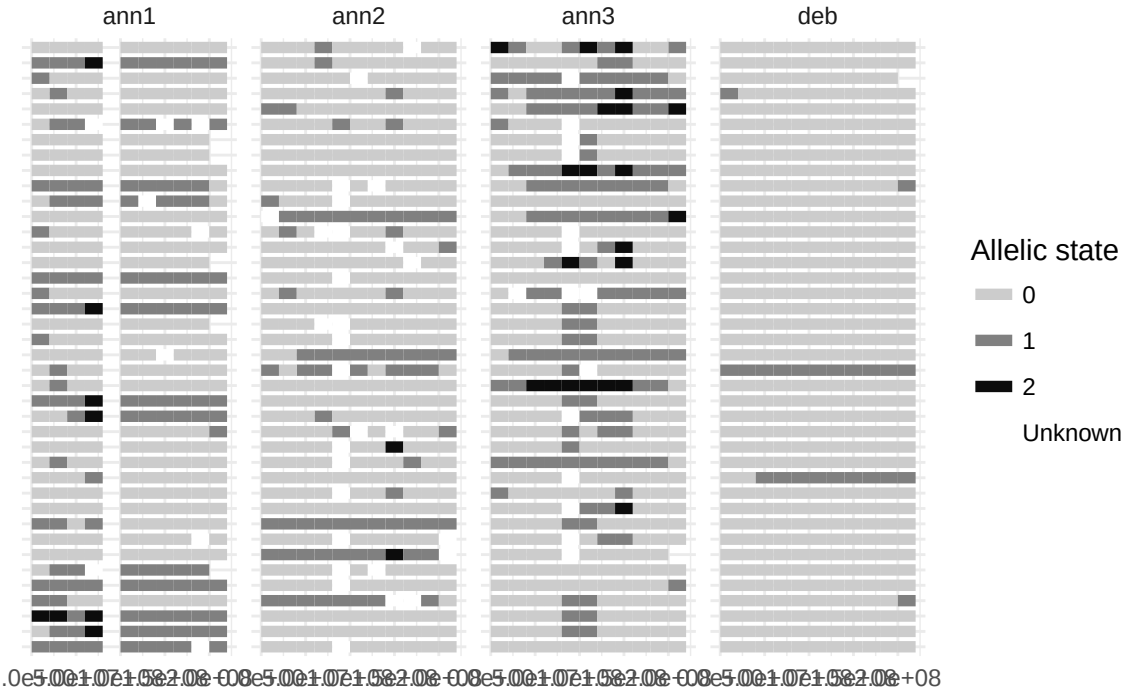

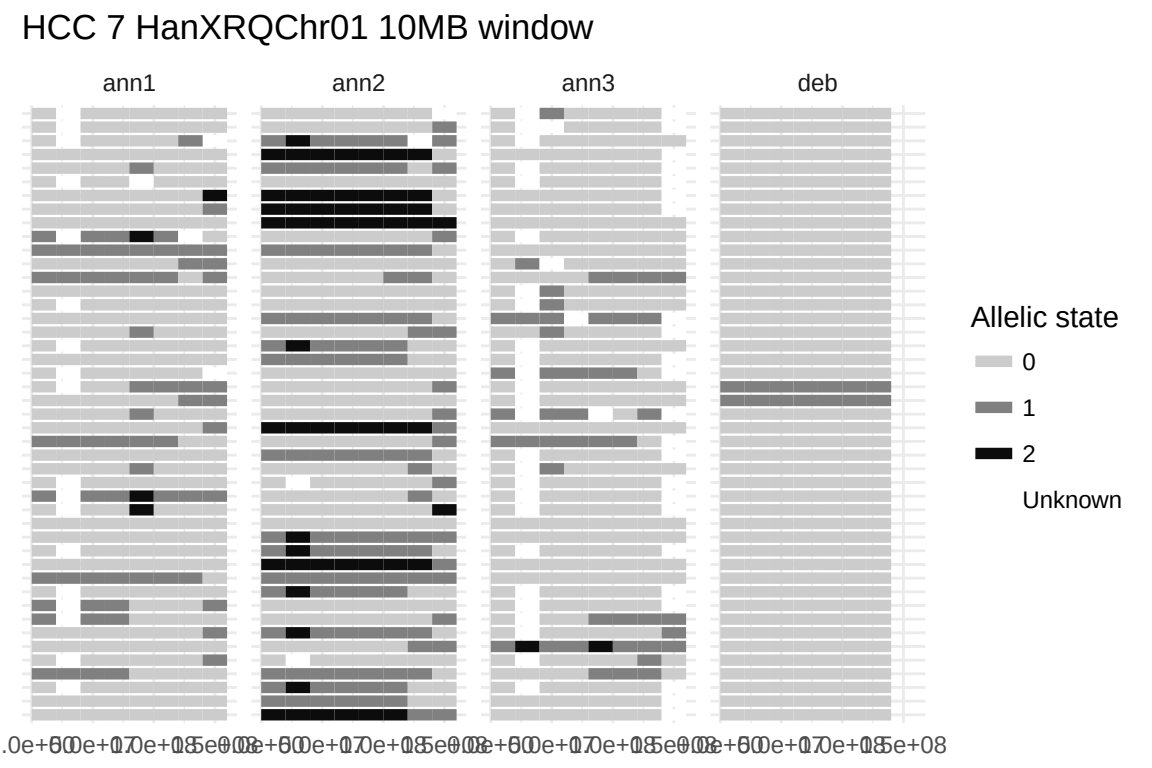
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2
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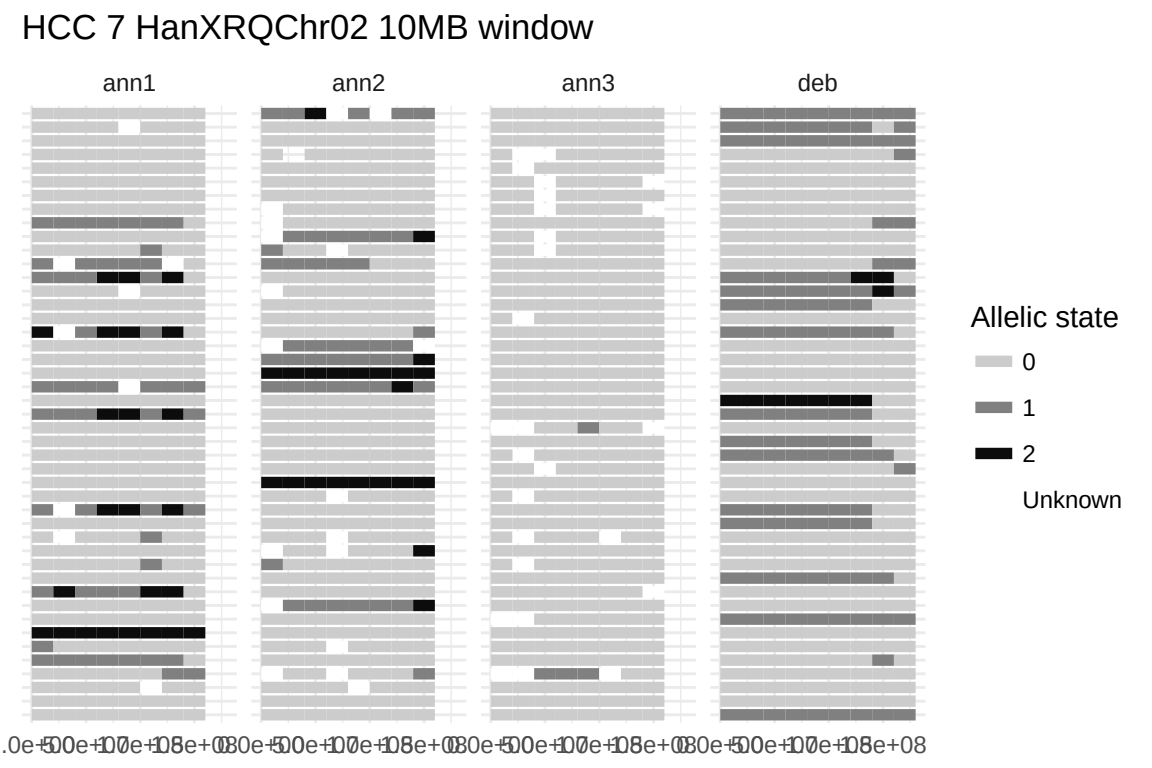
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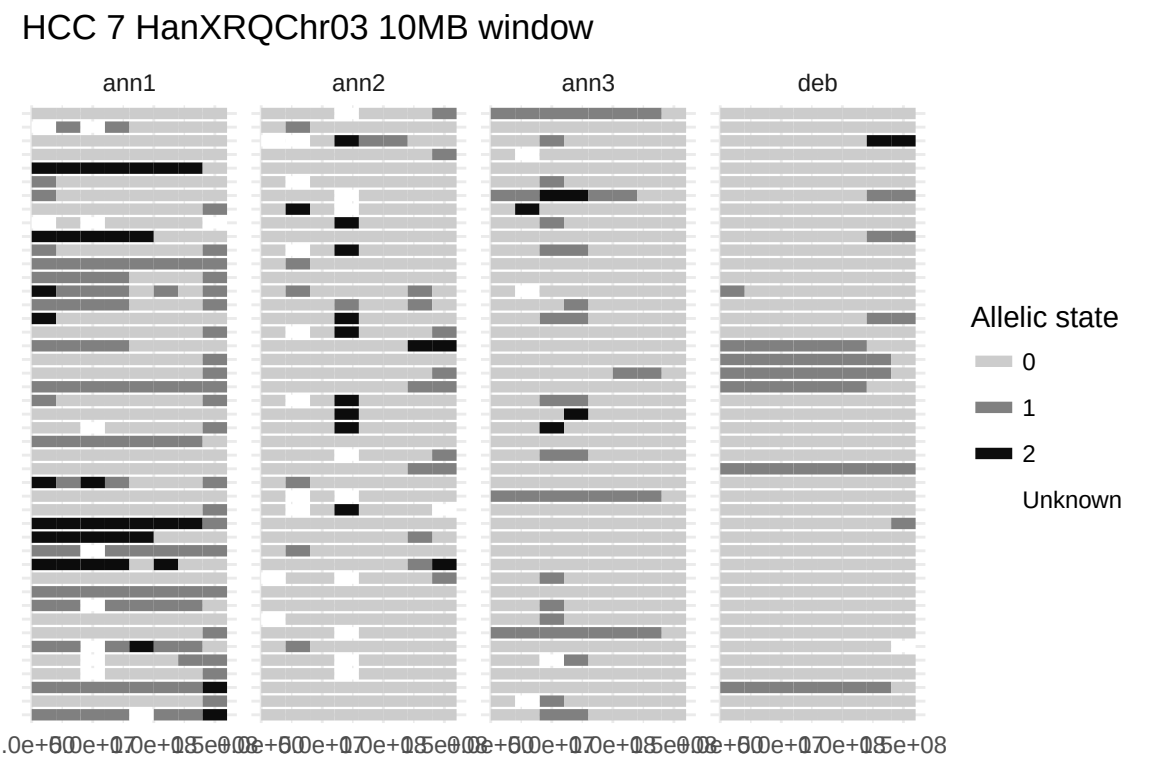
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1
2
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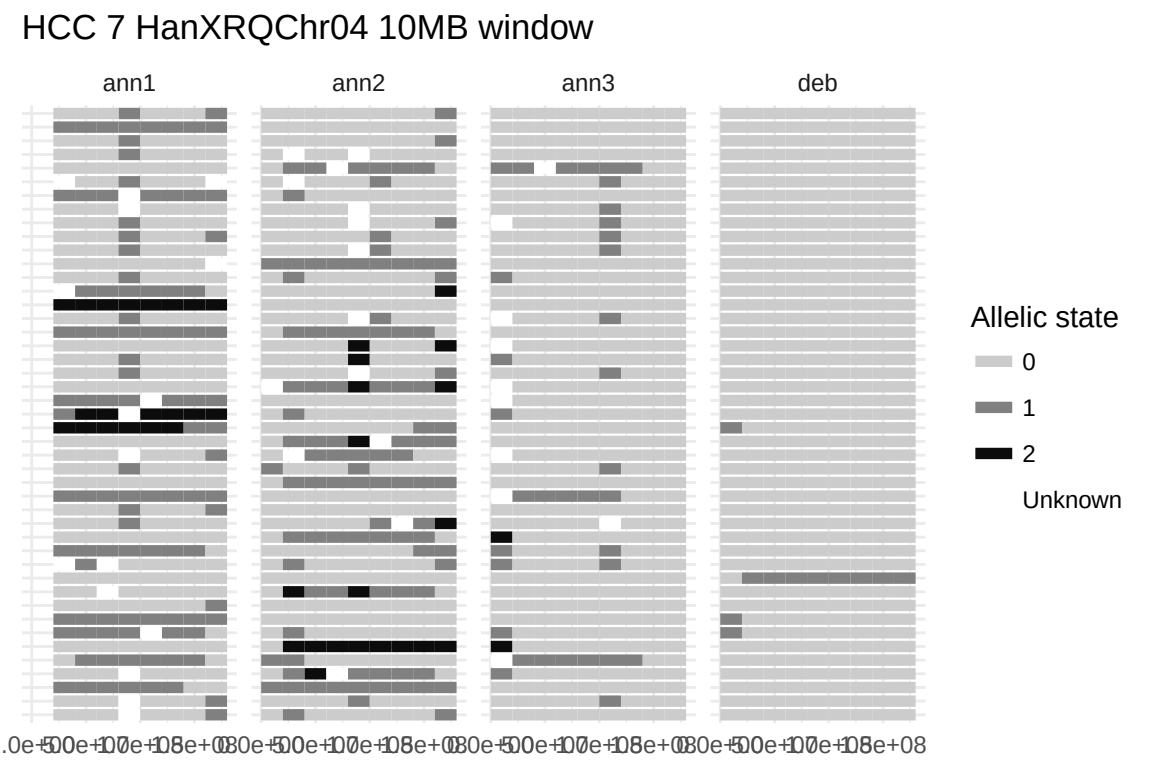
5e+08
1e+08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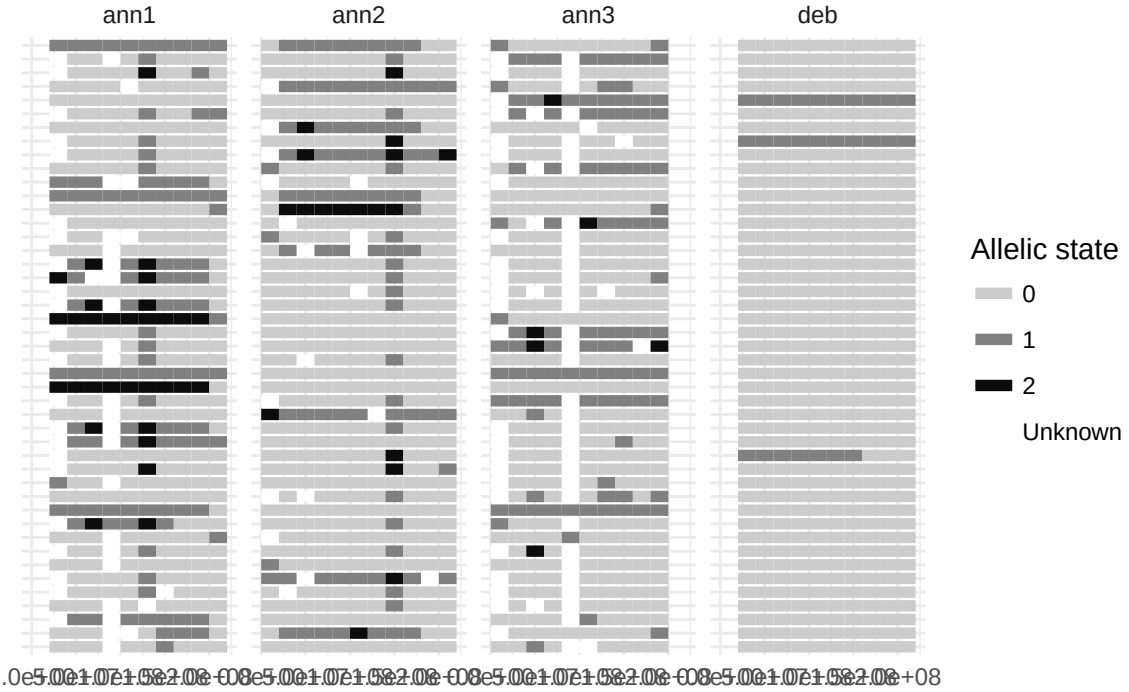
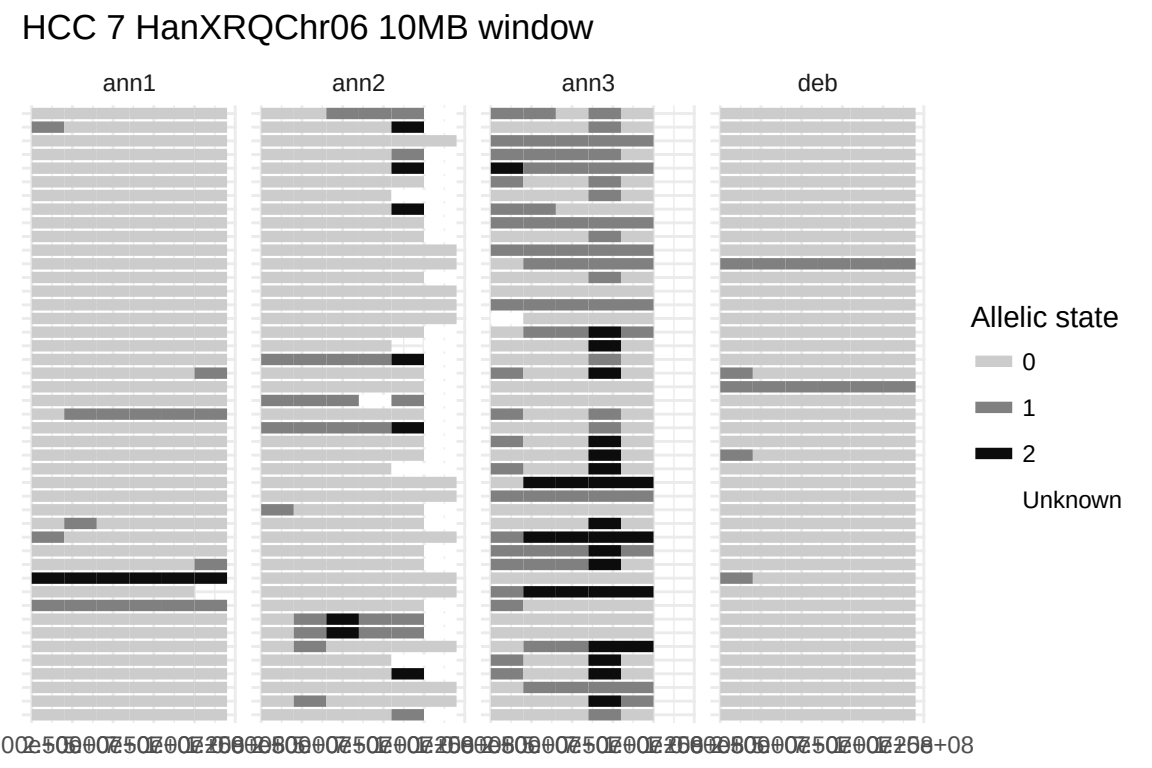
HCC 7 HanXRQChr05 10MB window

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1
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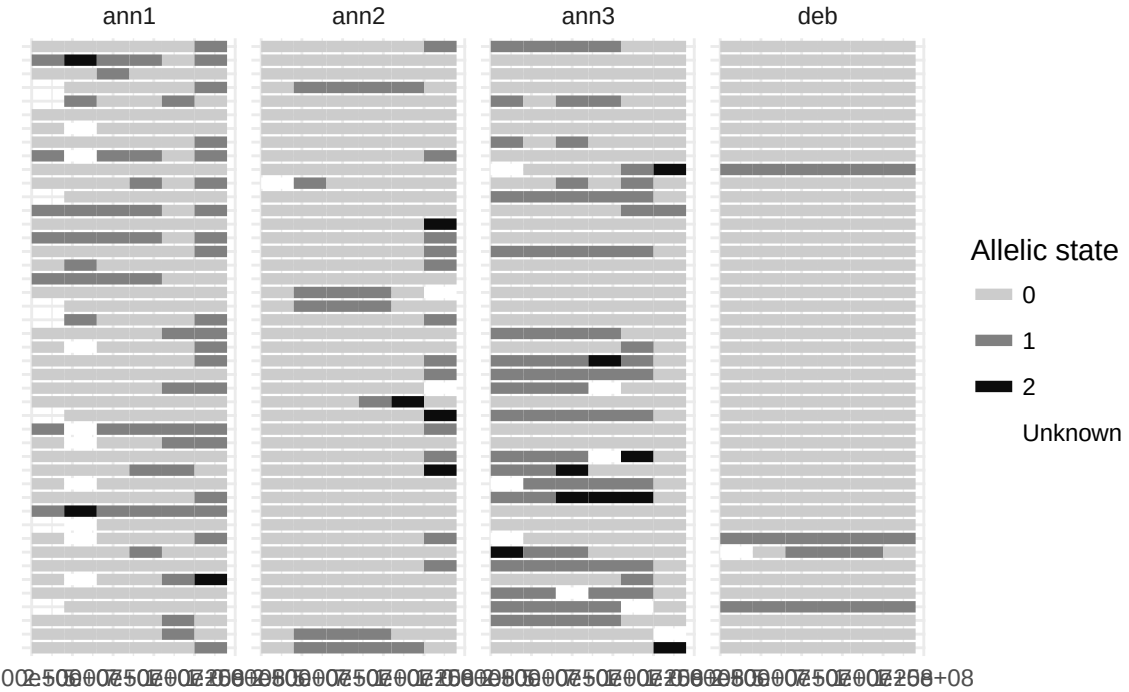
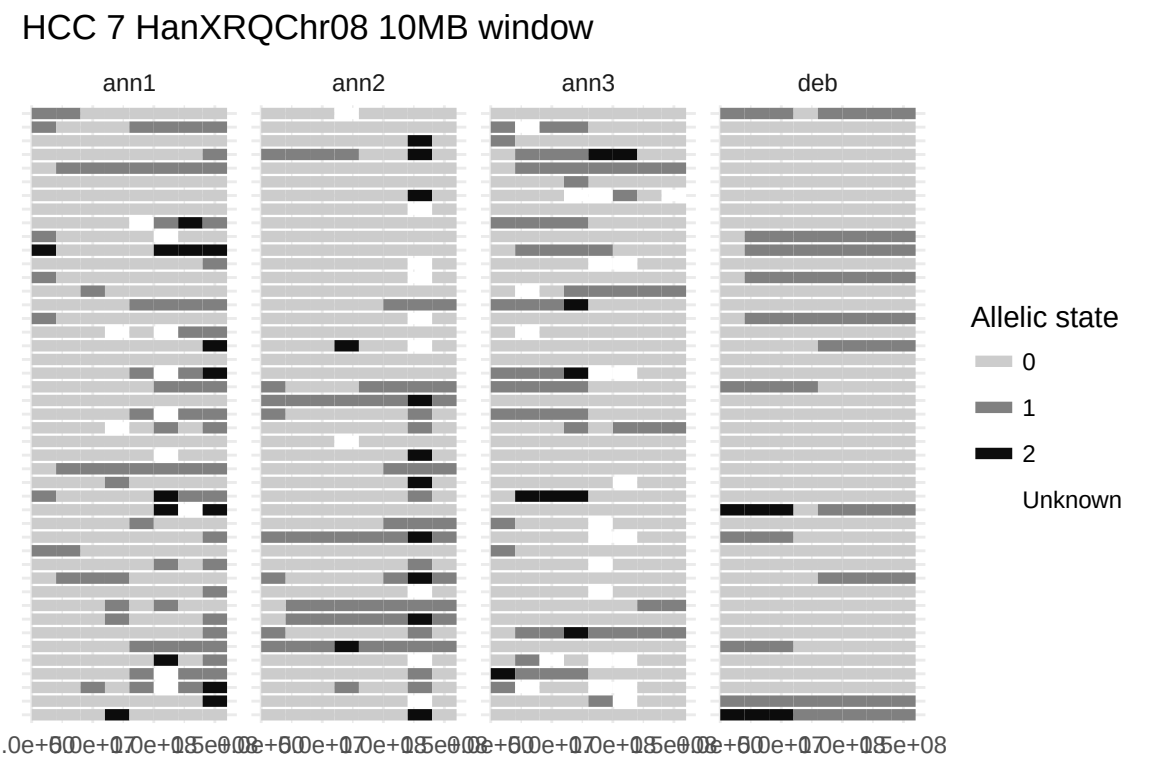
HCC 7 HanXRQChr07 10MB window

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ann3
deb
Allelic state
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1
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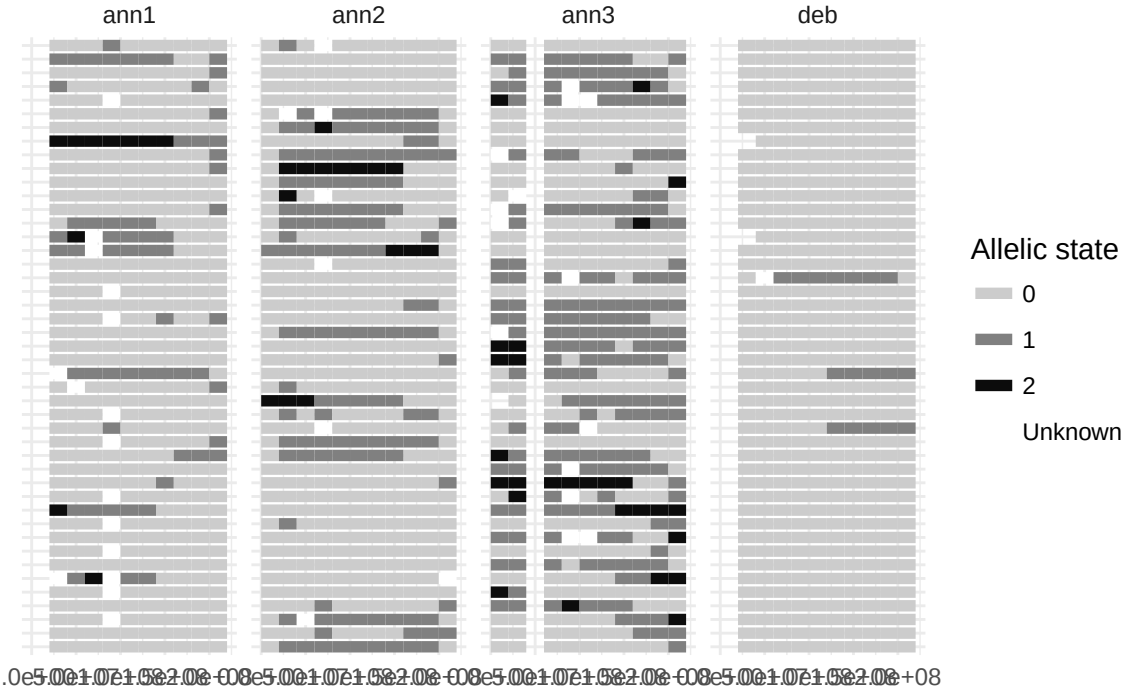
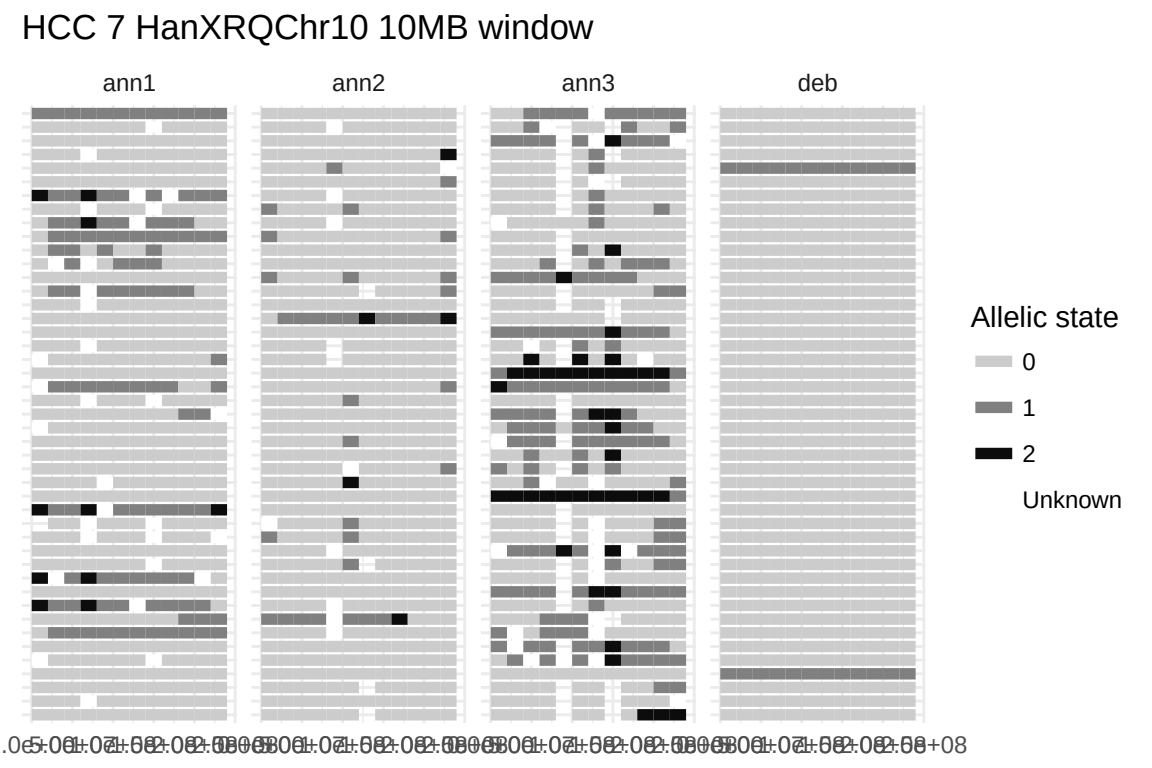
HCC 7 HanXRQChr09 10MB window

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ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 7 HanXRQChr11 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 7 HanXRQChr12 10MB window
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deb
Allelic state
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1
2
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0.0e+5
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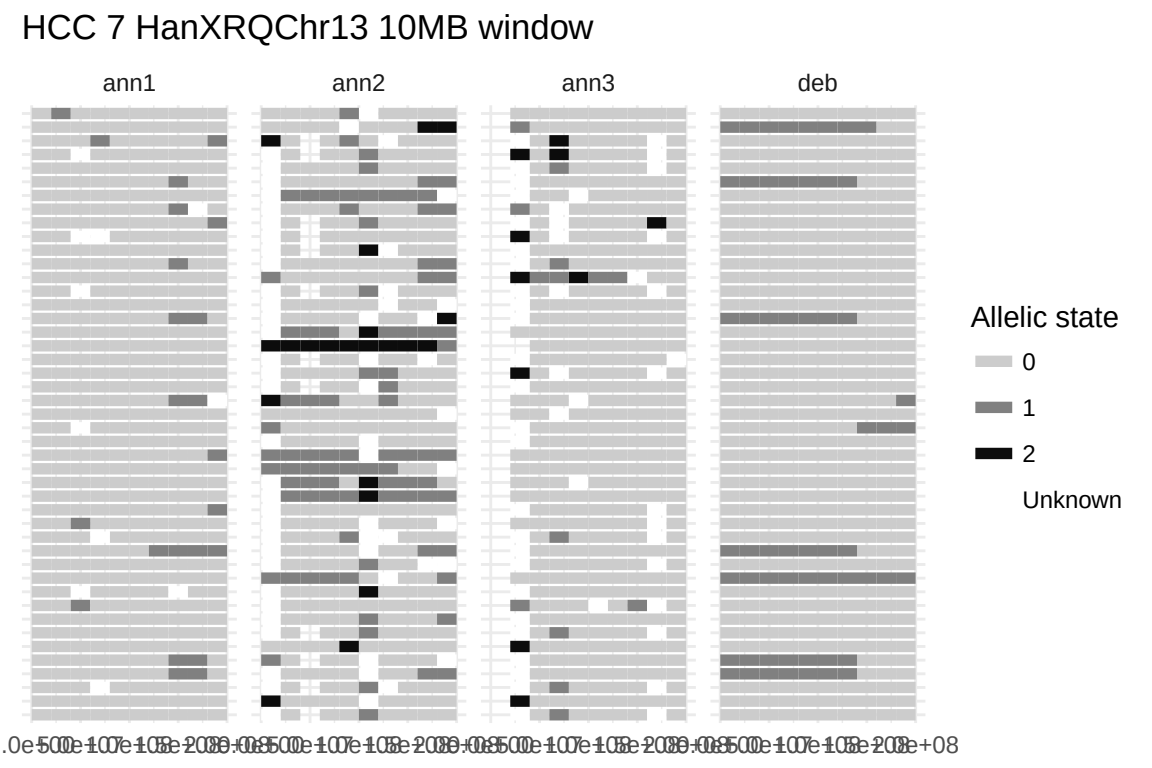
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ann3
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1
2
Unknown

HCC 7 HanXRQChr14 10MB window
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ann2
ann3
deb
Allelic state
0
1
2
Unknown
.0e+5
0.0e+5
0.0e+7
0.0e+8
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0.0e+5
0.0e+7
0.0e+8
0.0e+8
0.0e+5
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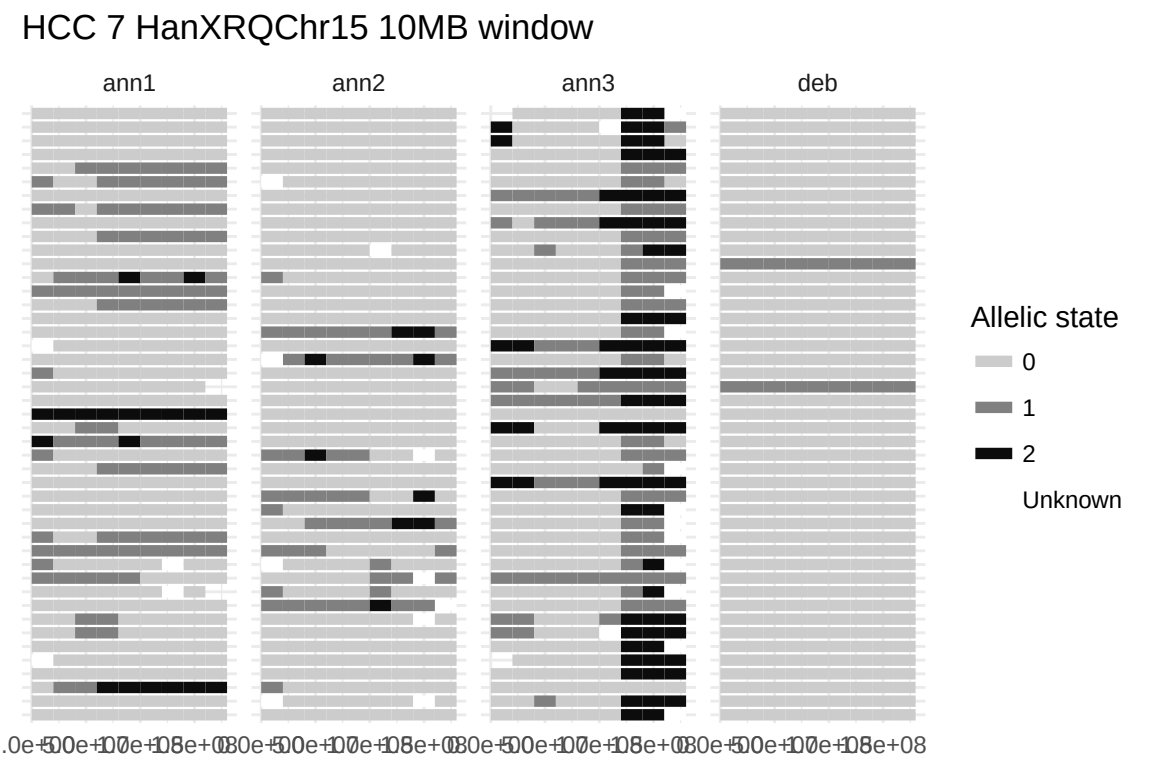
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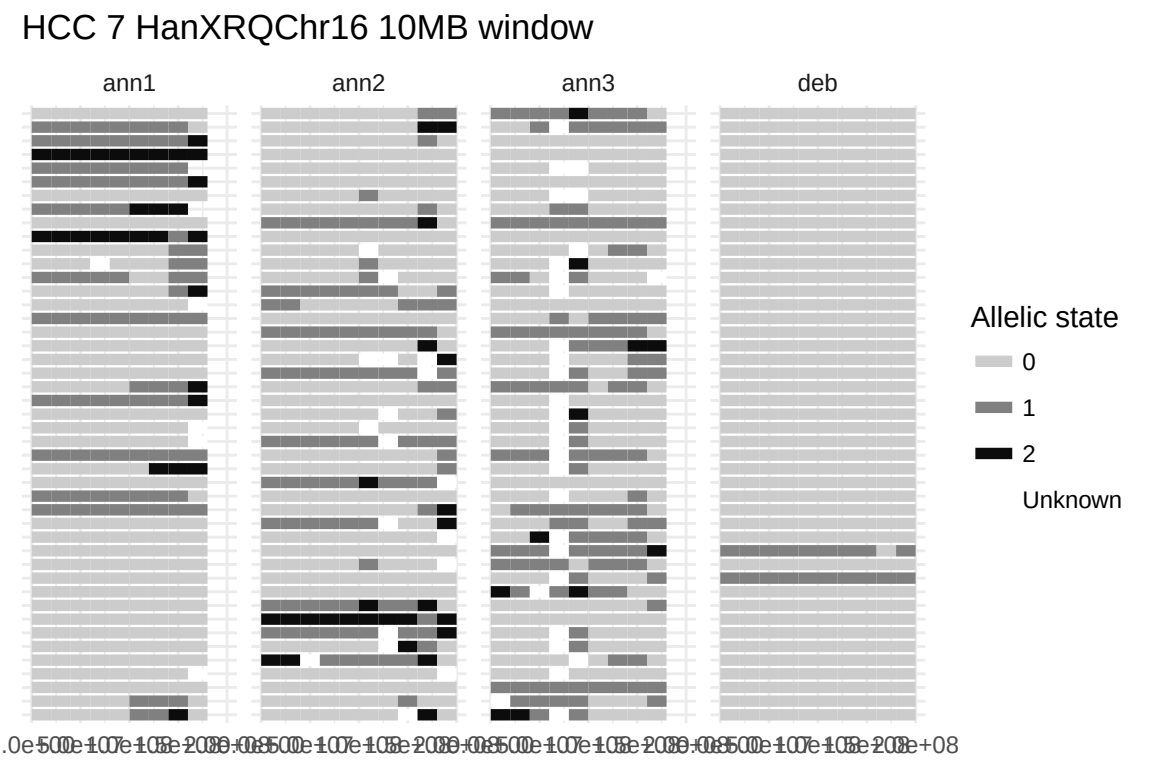
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown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ann3
deb
Allelic state
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2
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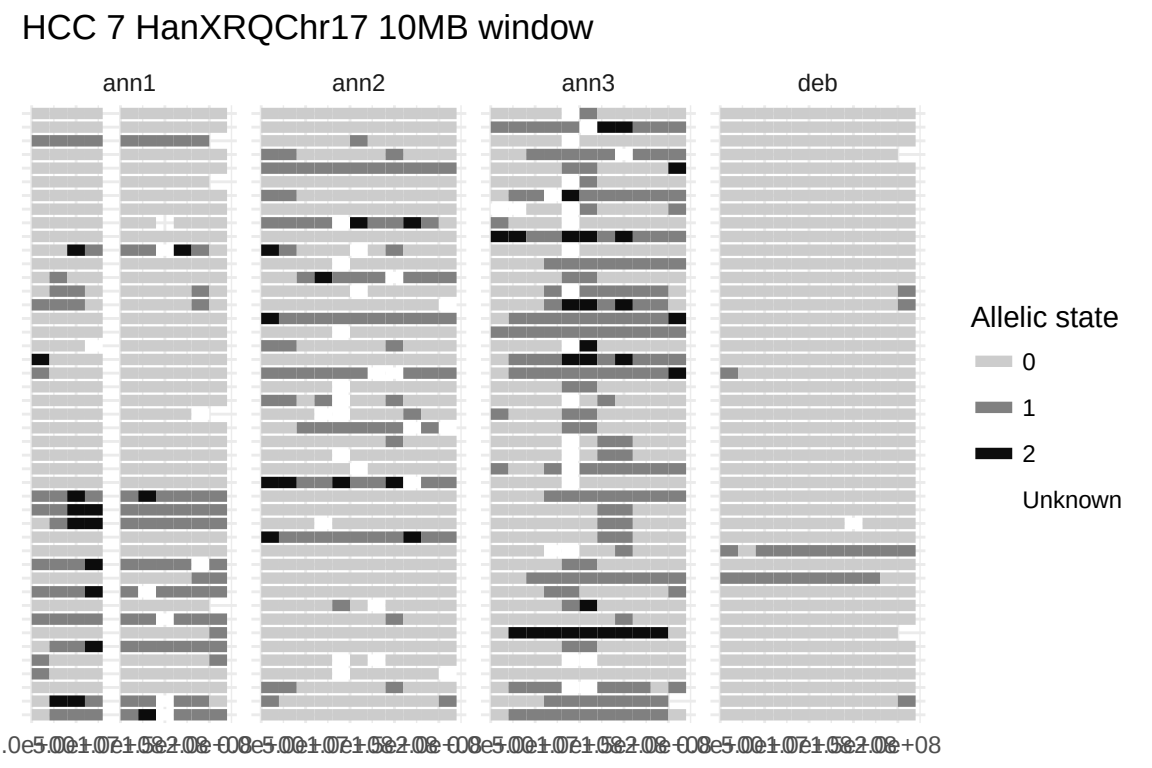
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ann2
ann3
deb
Allelic state
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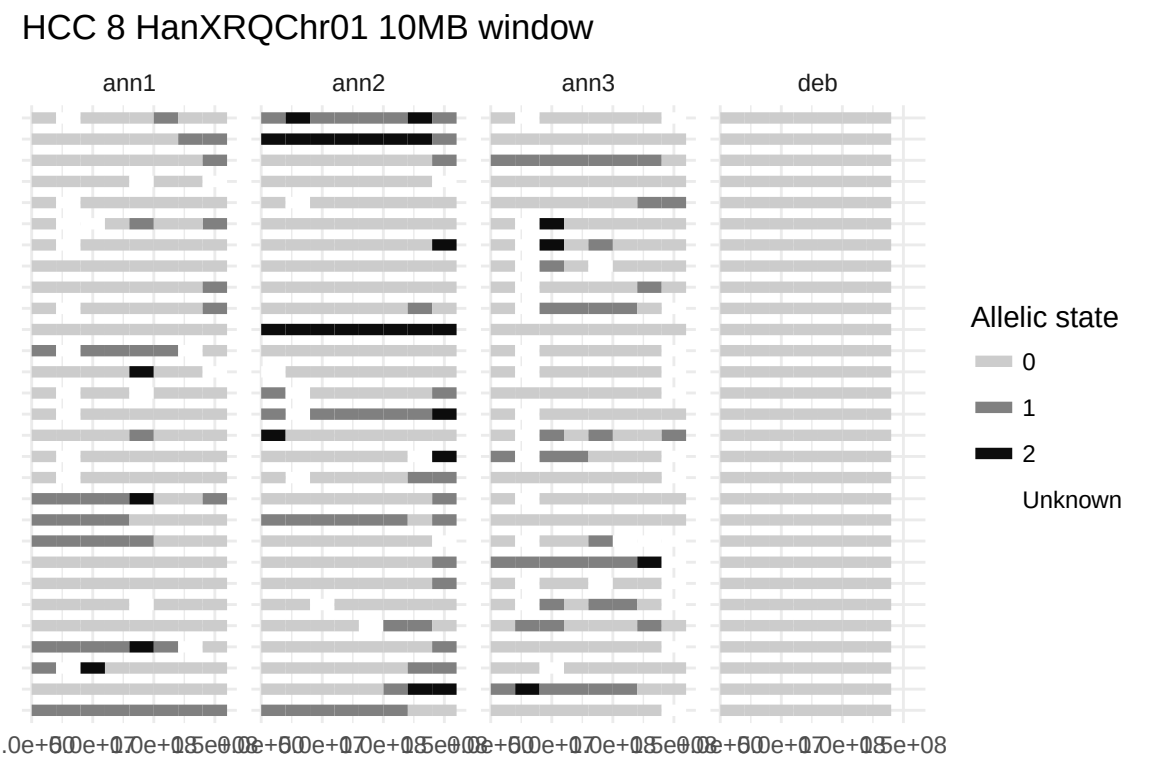
2
Unknown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ann3
deb
Allelic state
0
1
2
Unknown

HCC 8 HanXRQChr02 10MB window
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ann2
ann3
deb
Allelic state
0
1
2
Unknown
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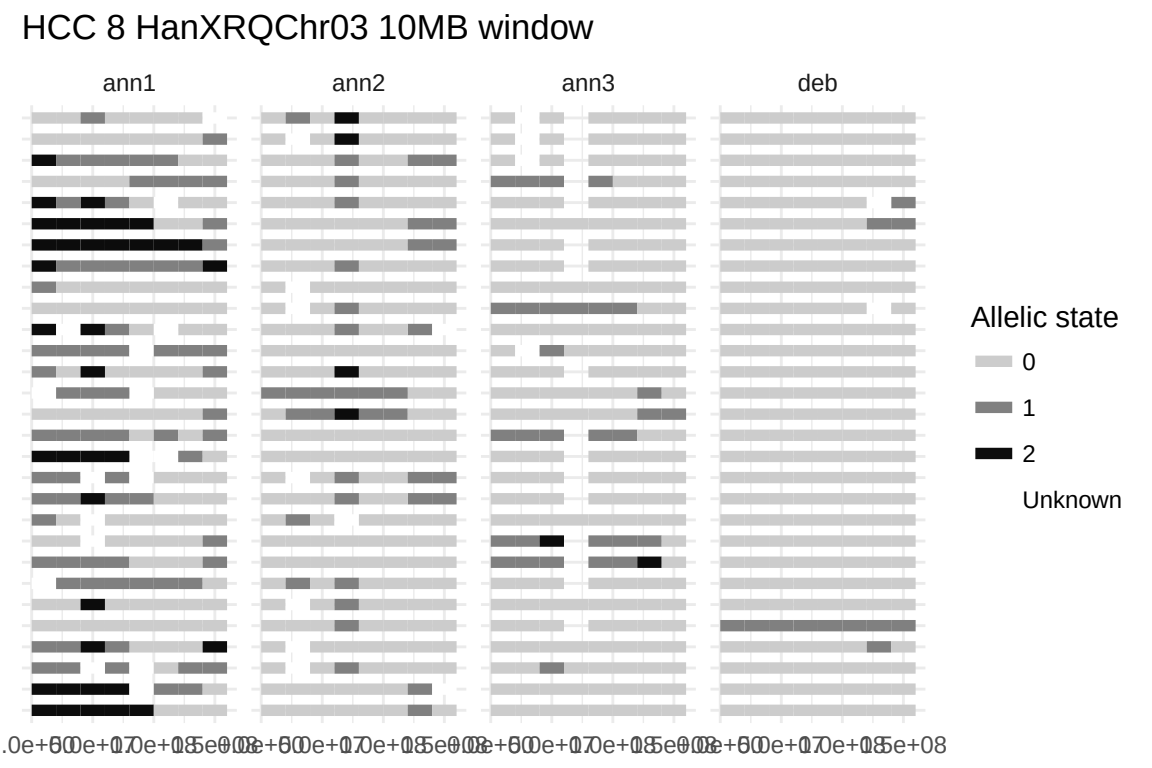
0.0e+5
0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2
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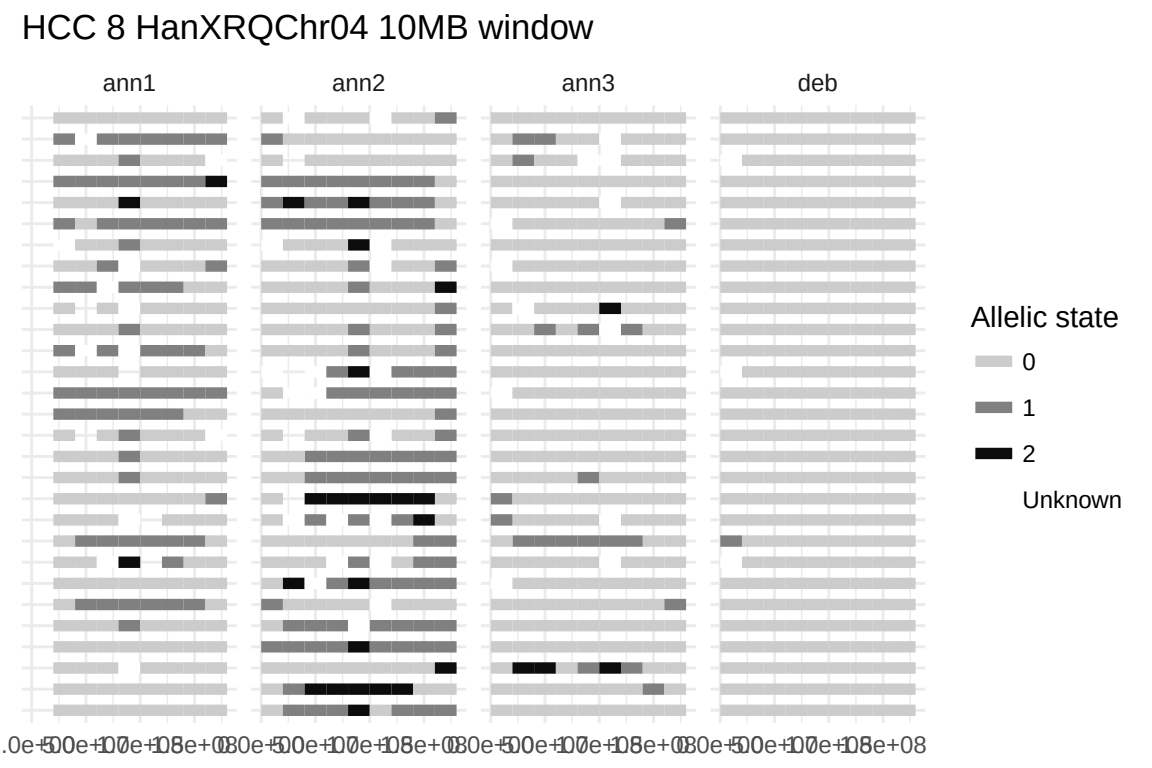
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ann2
ann3
deb
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2
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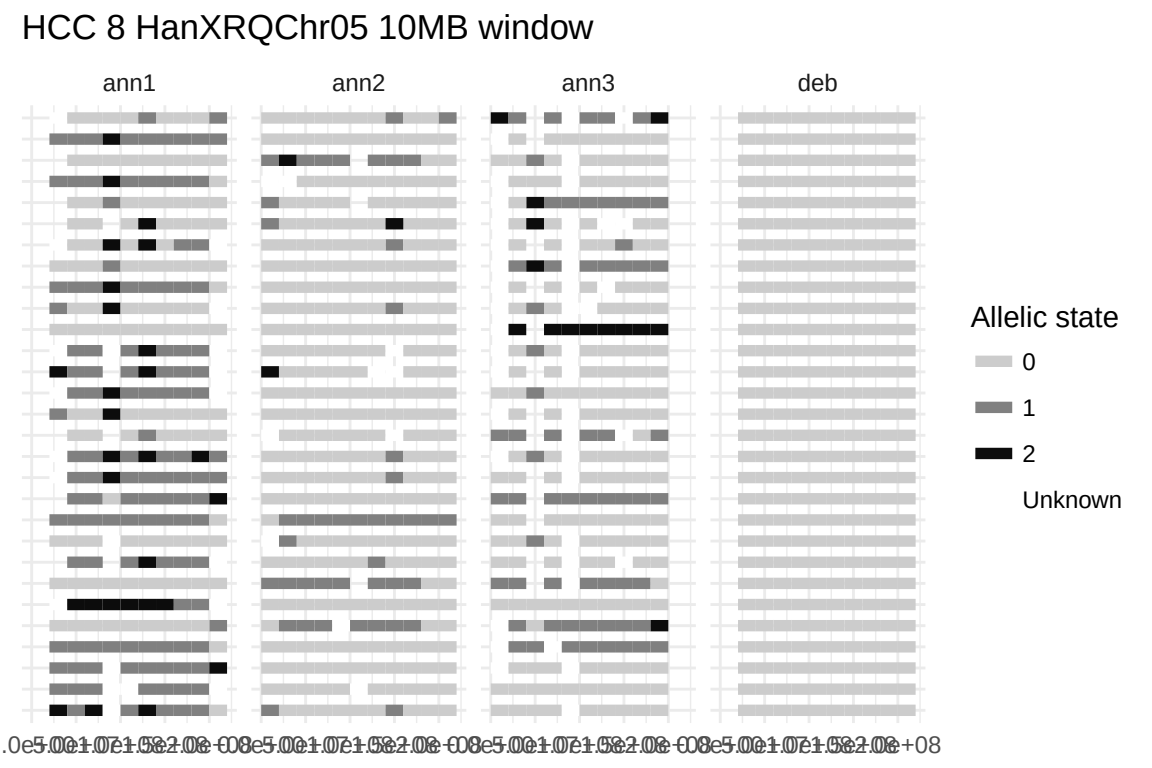
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HCC 8 HanXRQChr06 10MB window
ann1
ann2
ann3
deb
Allelic state
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HCC 8 HanXRQChr07 10MB window
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ann3
deb
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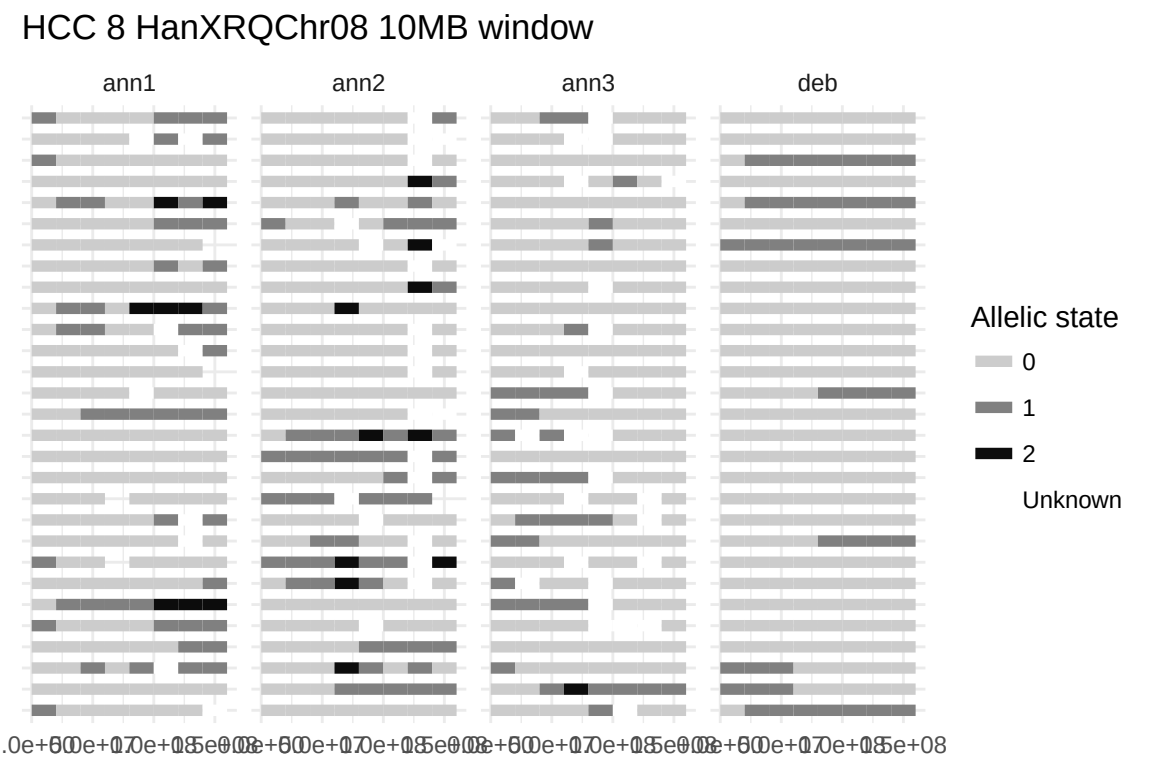
HCC 8 HanXRQChr08 10MB window
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ann2
ann3
deb
Allelic state
0
1
2
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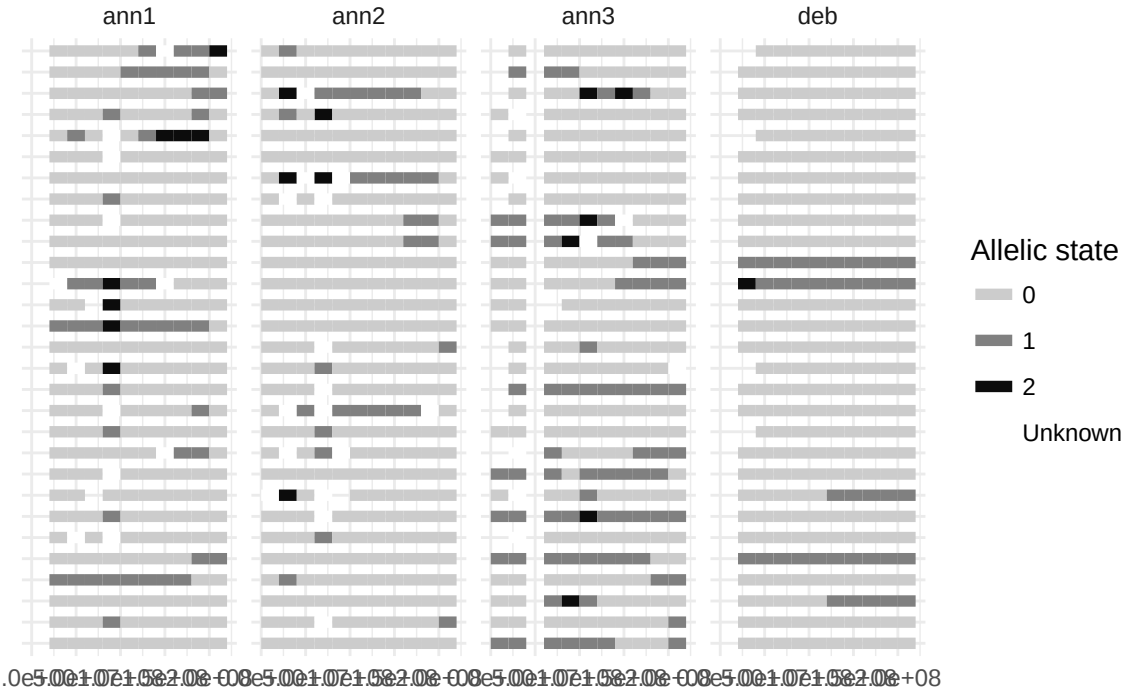
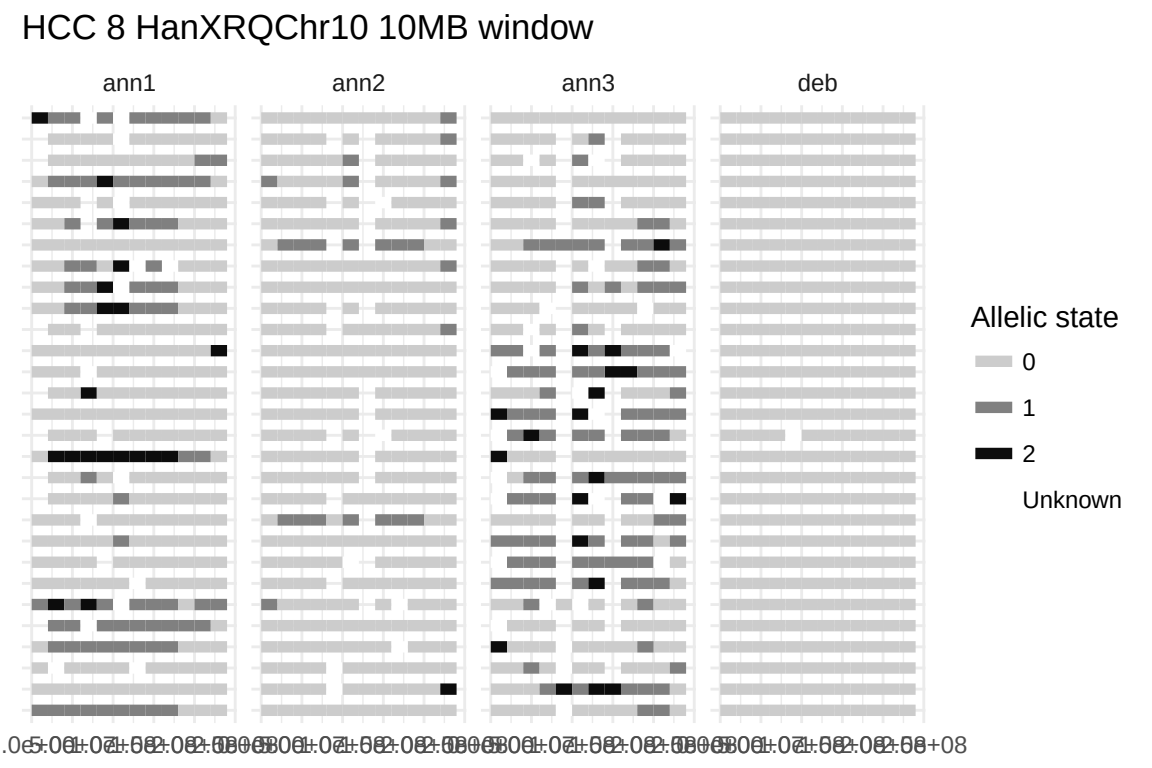
HCC 8 HanXRQChr09 10MB window

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ann2
ann3
deb
Allelic state
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1
2
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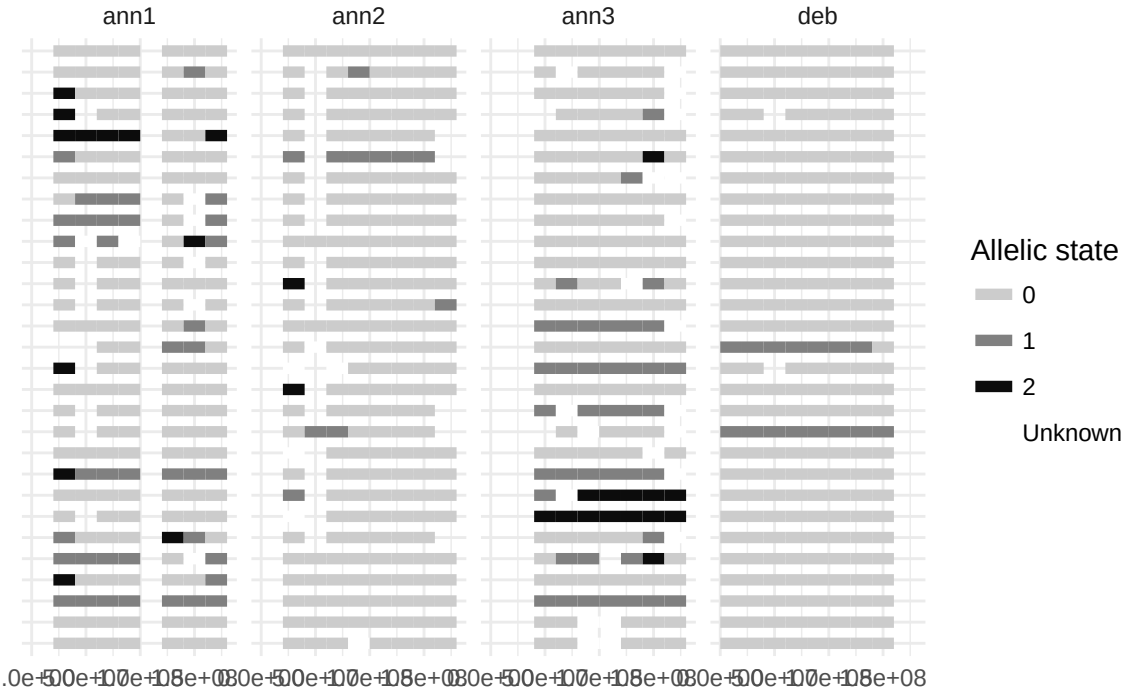
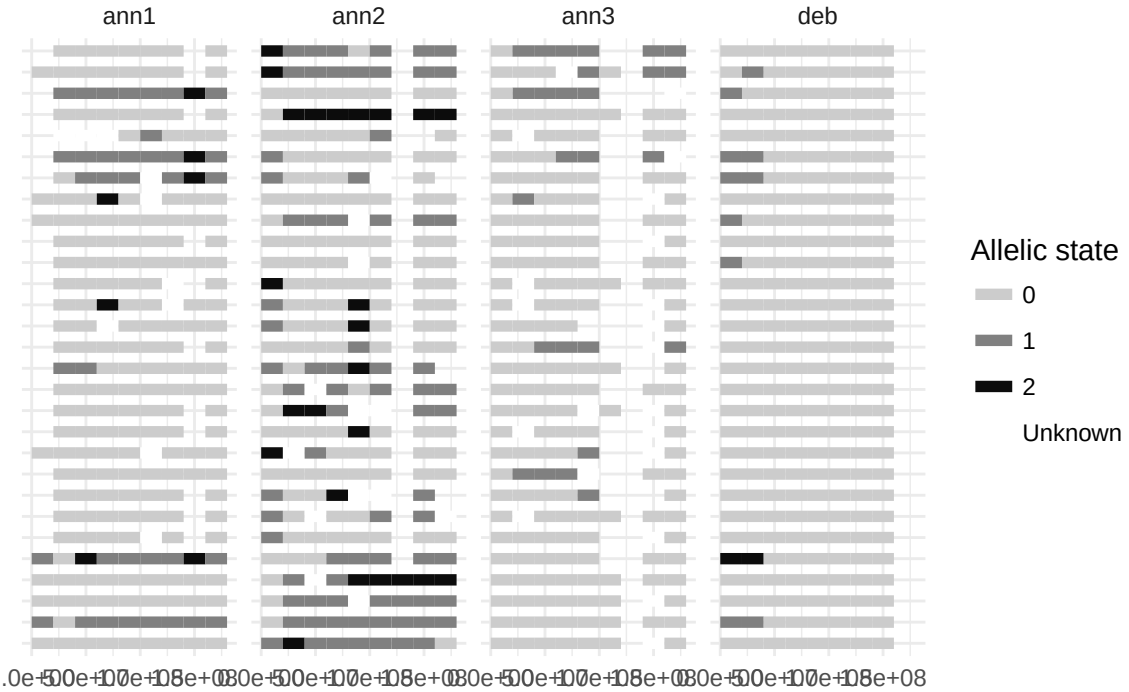
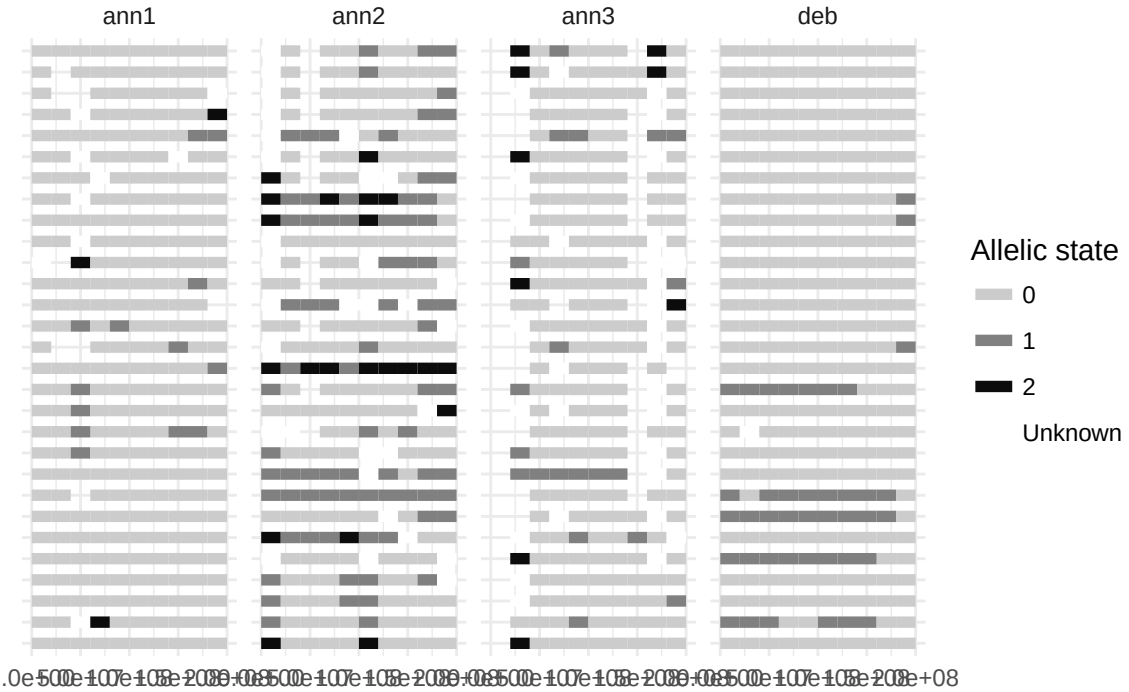
HCC 8 HanXRQChr11 10MB window



HCC 8 HanXRQChr12 10MB window



HCC 8 HanXRQChr13 10MB window


ann1
ann2
ann3
deb
Allelic state
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1
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1.0e+08
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6.5e+08
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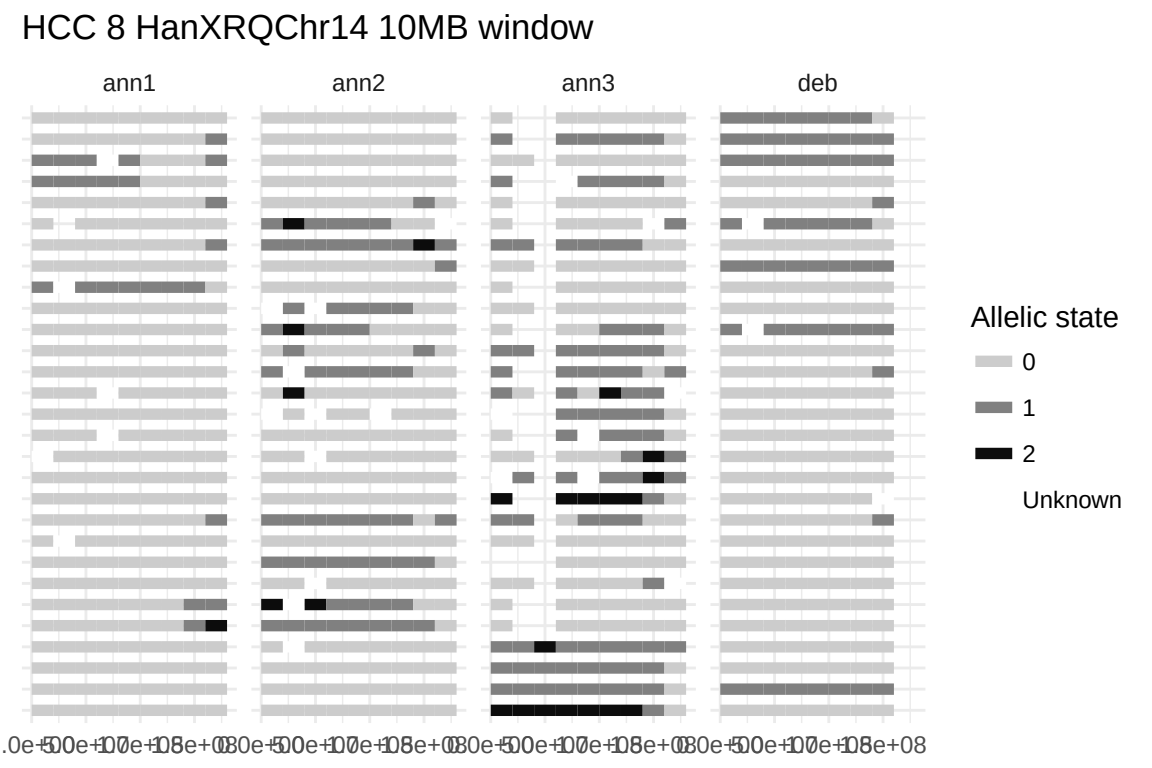
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Allelic state
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1
2
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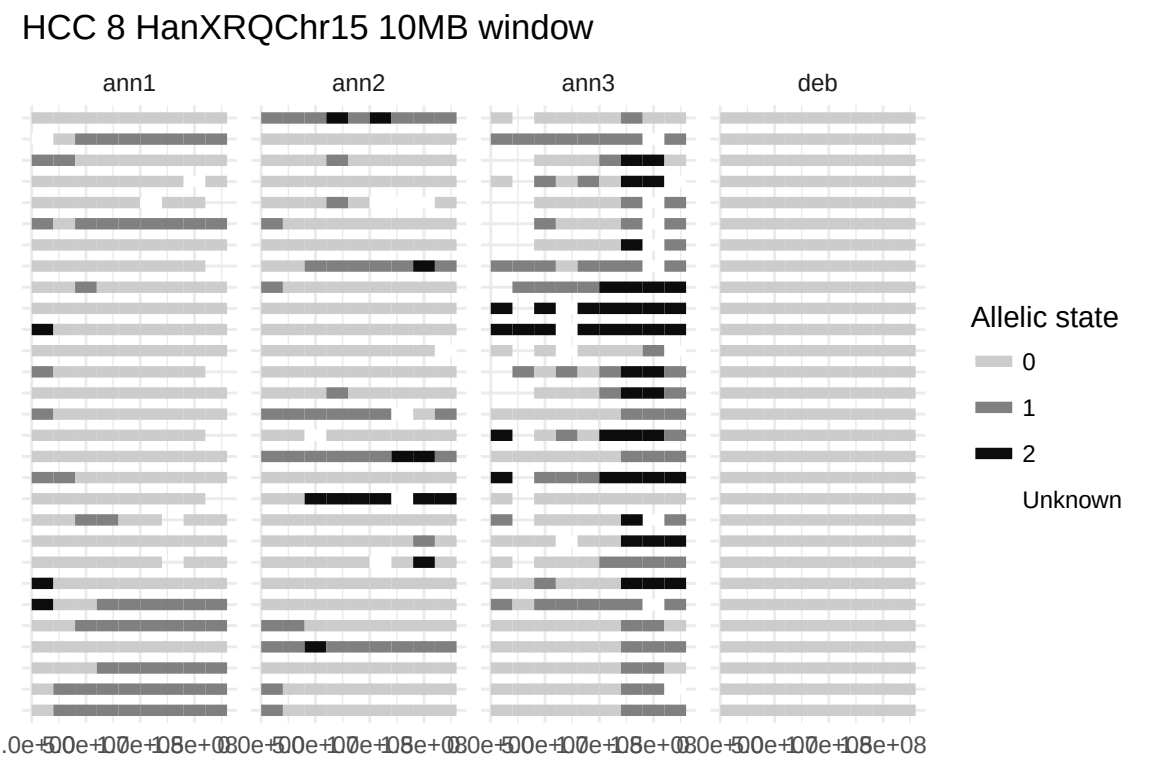
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ann3
deb
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1
2
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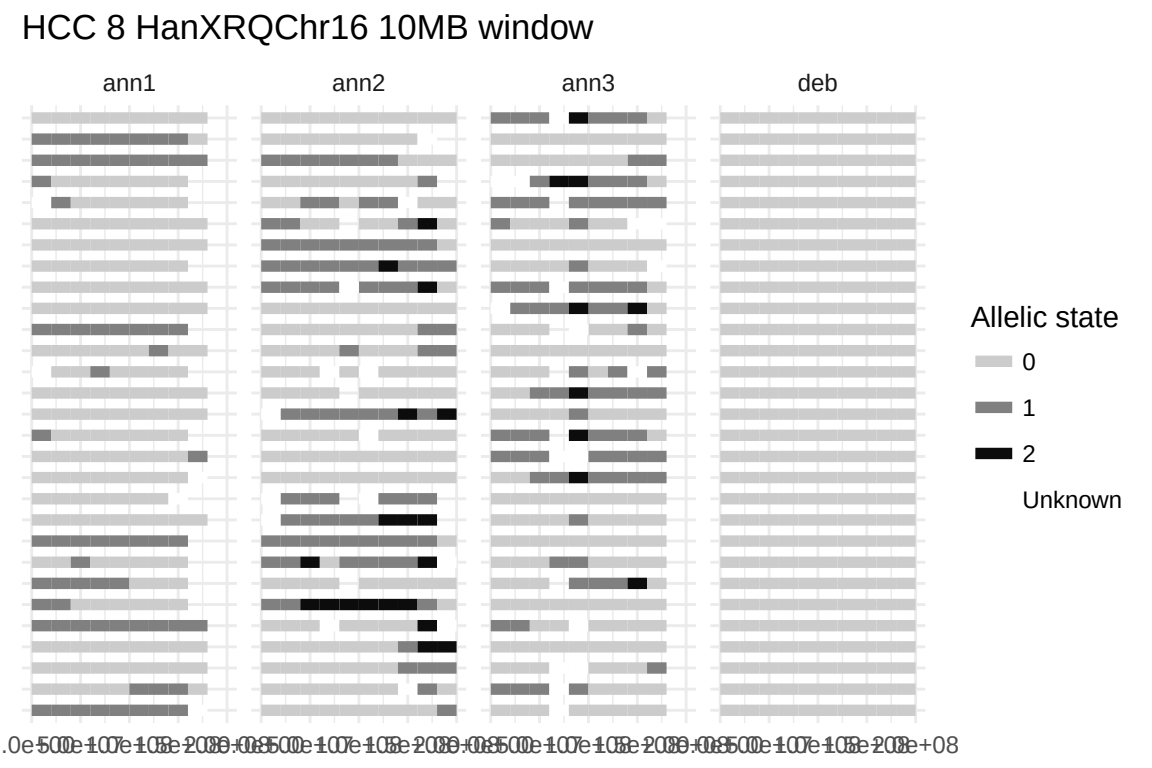
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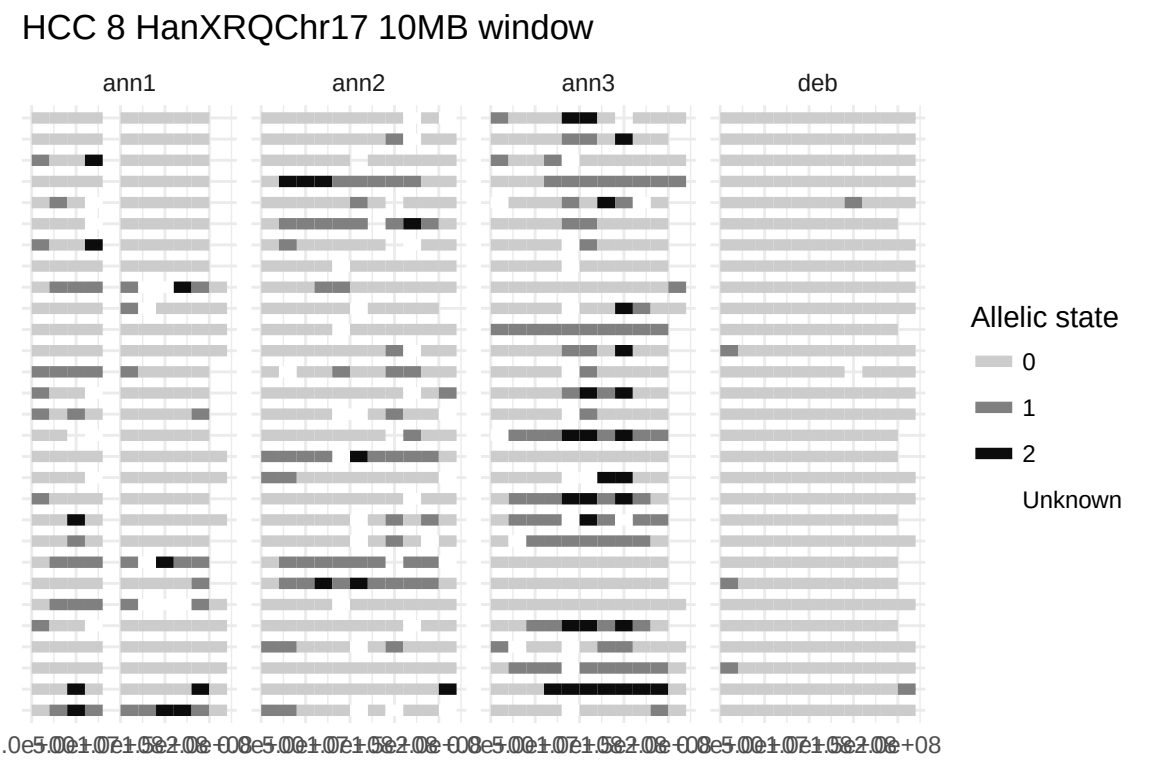
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1
2
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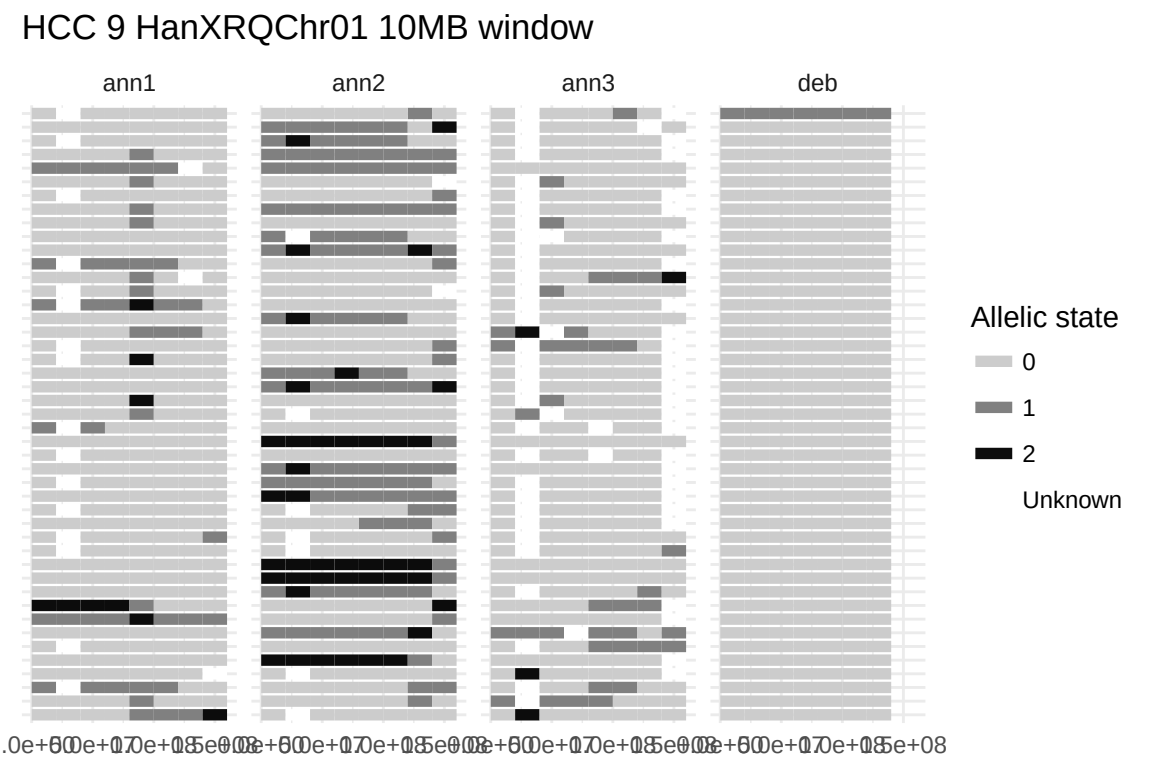
HCC 9 HanXRQChr01 10MB window
ann1
ann2
ann3
deb
Allelic state
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1
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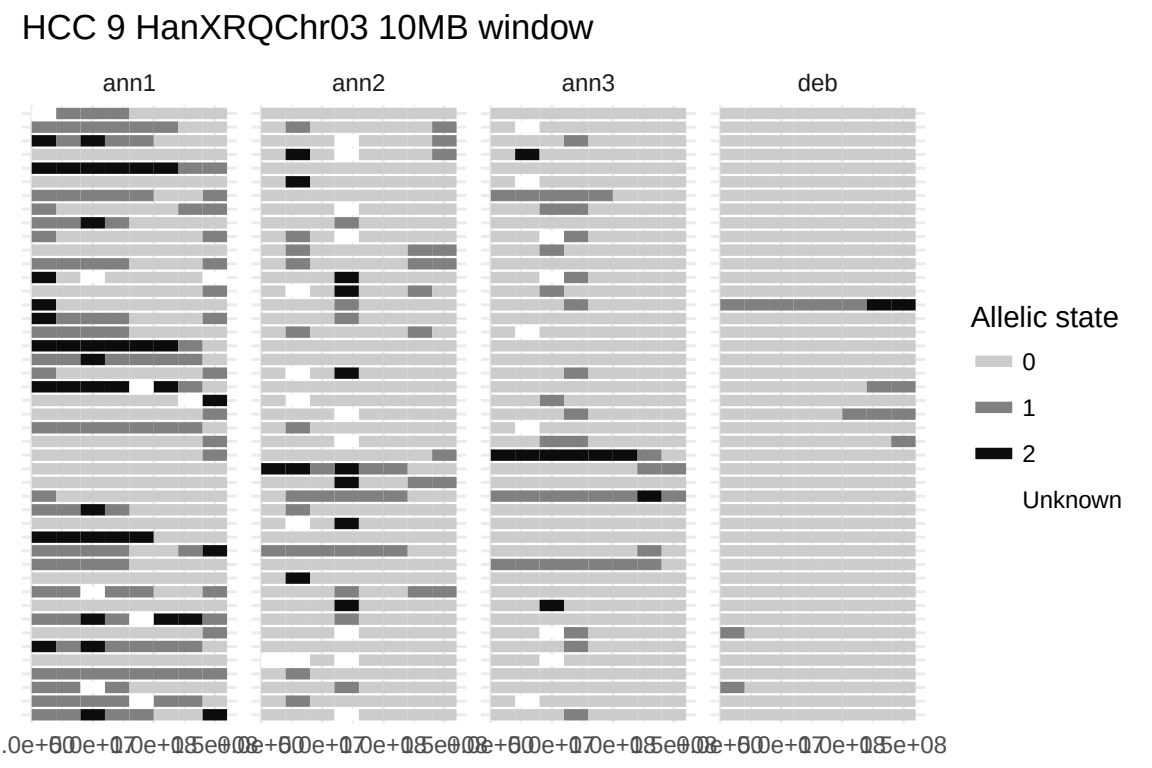
Unknown

HCC 9 HanXRQChr02 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown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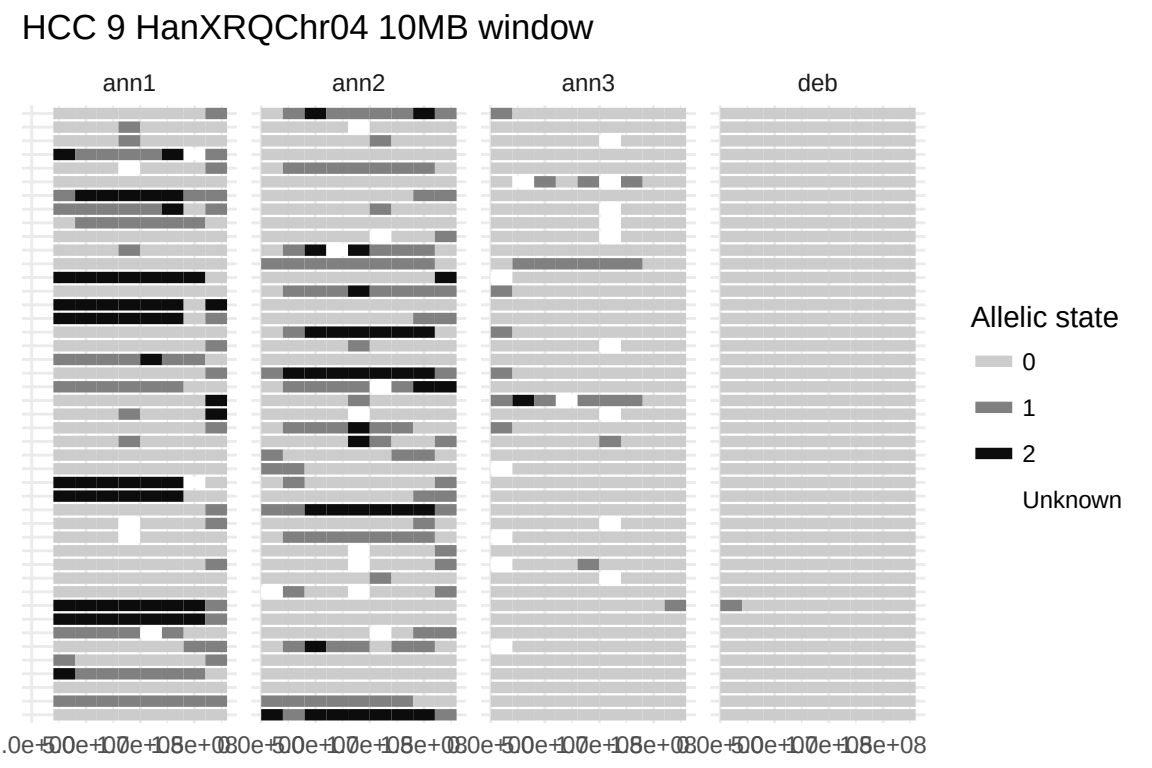
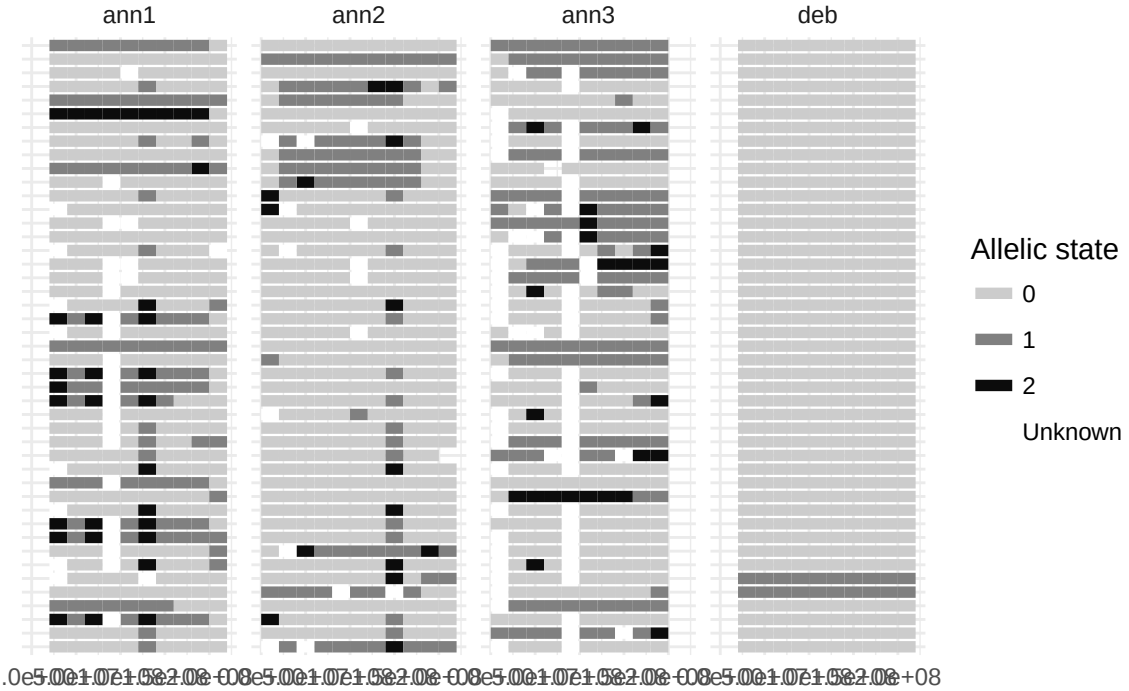
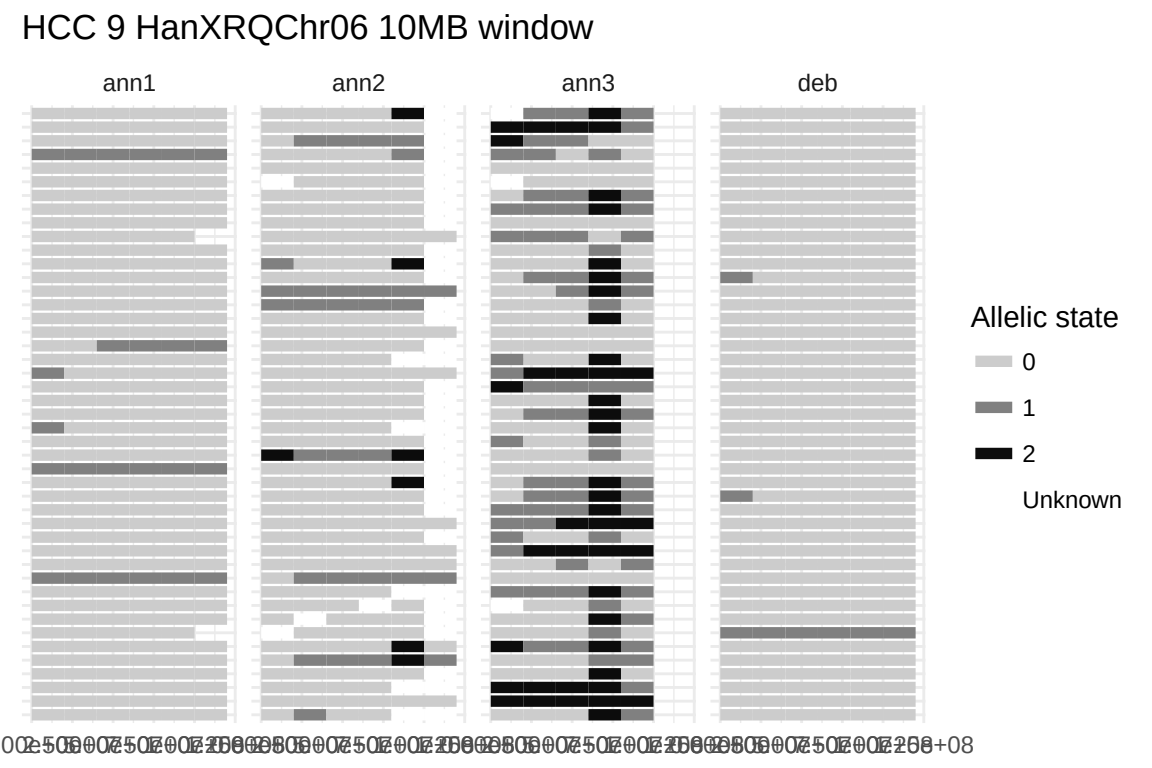
ann2
ann3
deb
Allelic state
0
1
2
Unknown


HCC 9 HanXRQChr04 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 9 HanXRQChr05 10MB window

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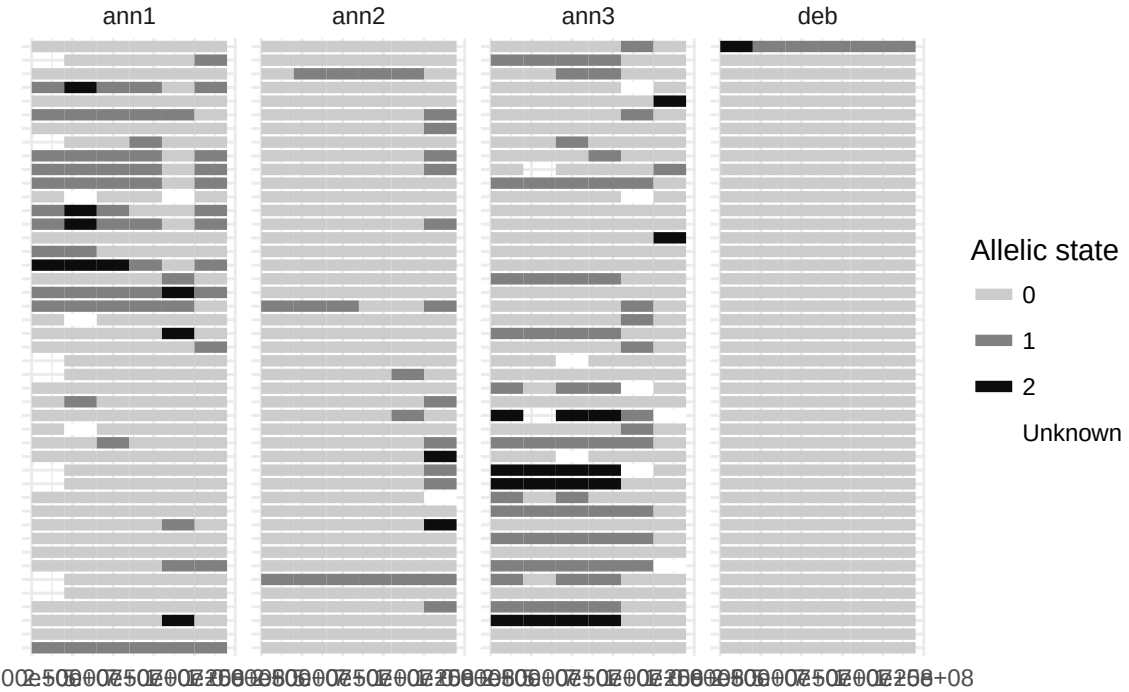
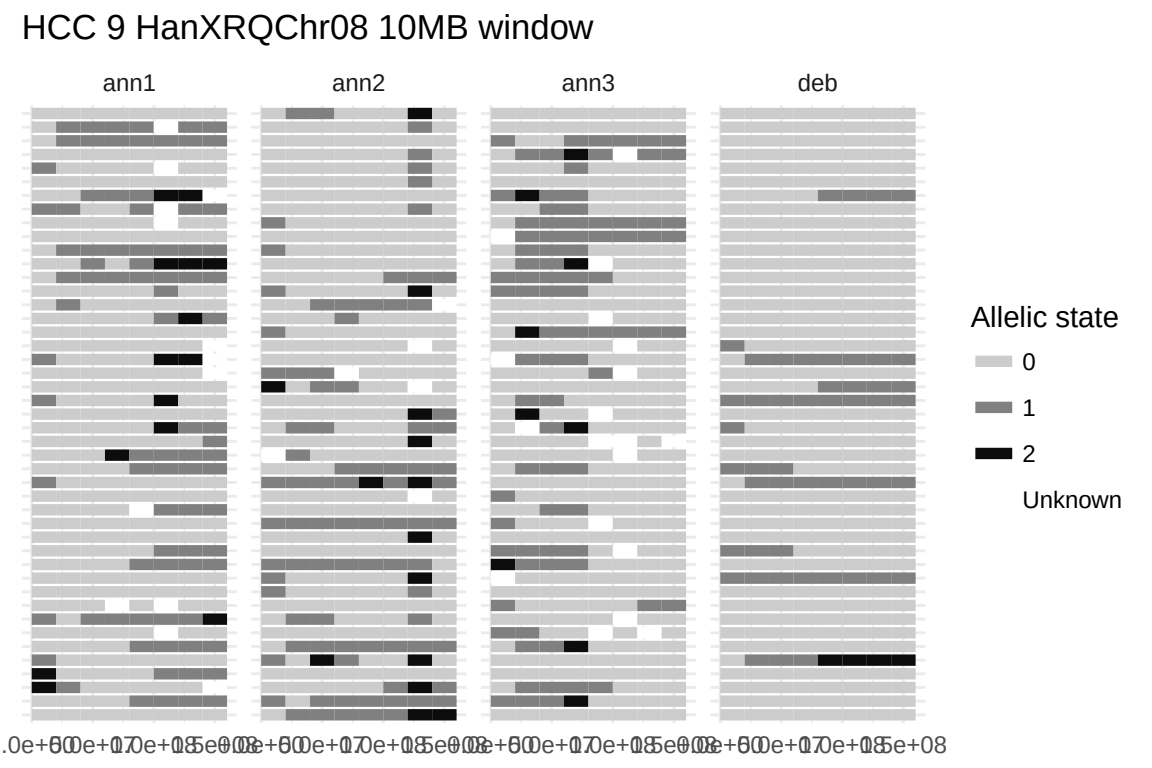
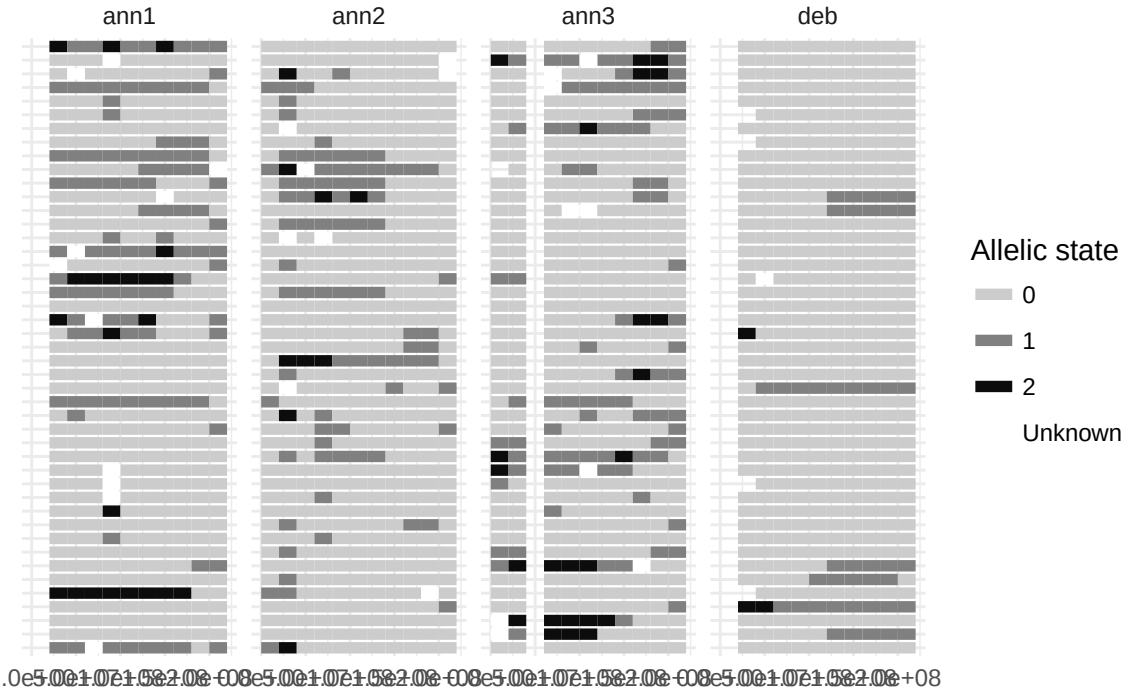
ann2
ann3
deb
Allelic state
0
1
2
Unknown

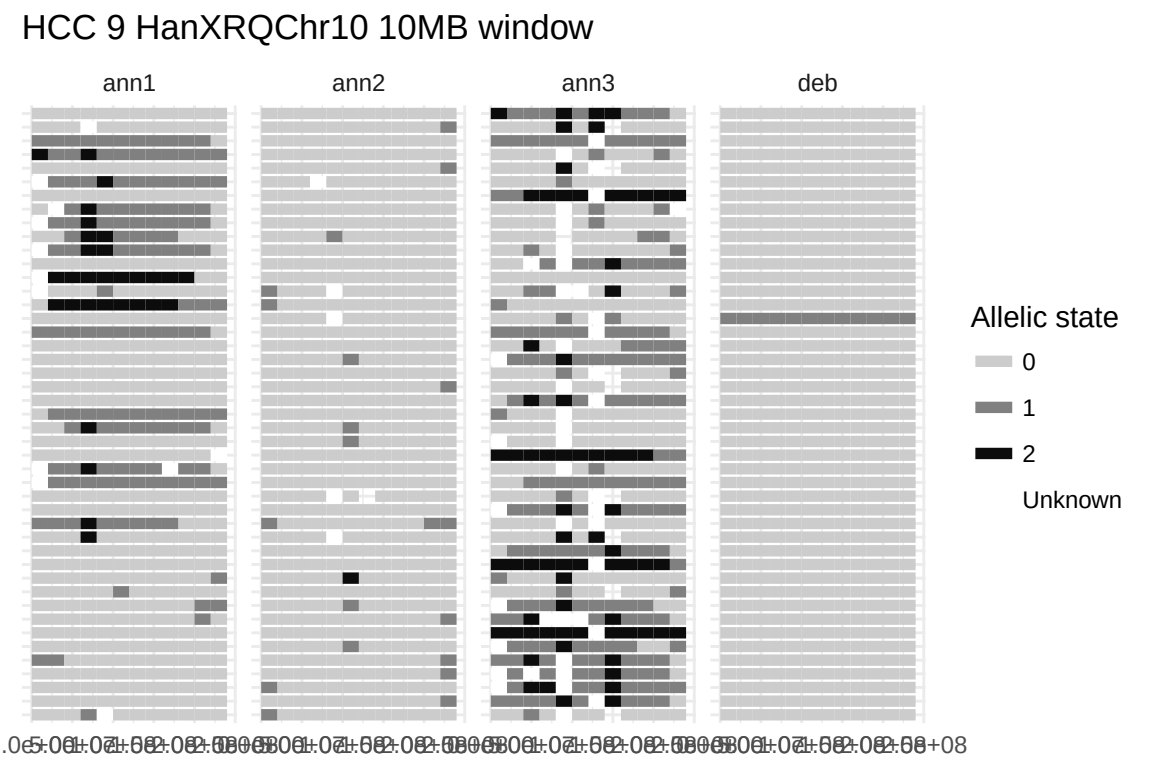
HCC 9 HanXRQChr07 10MB window



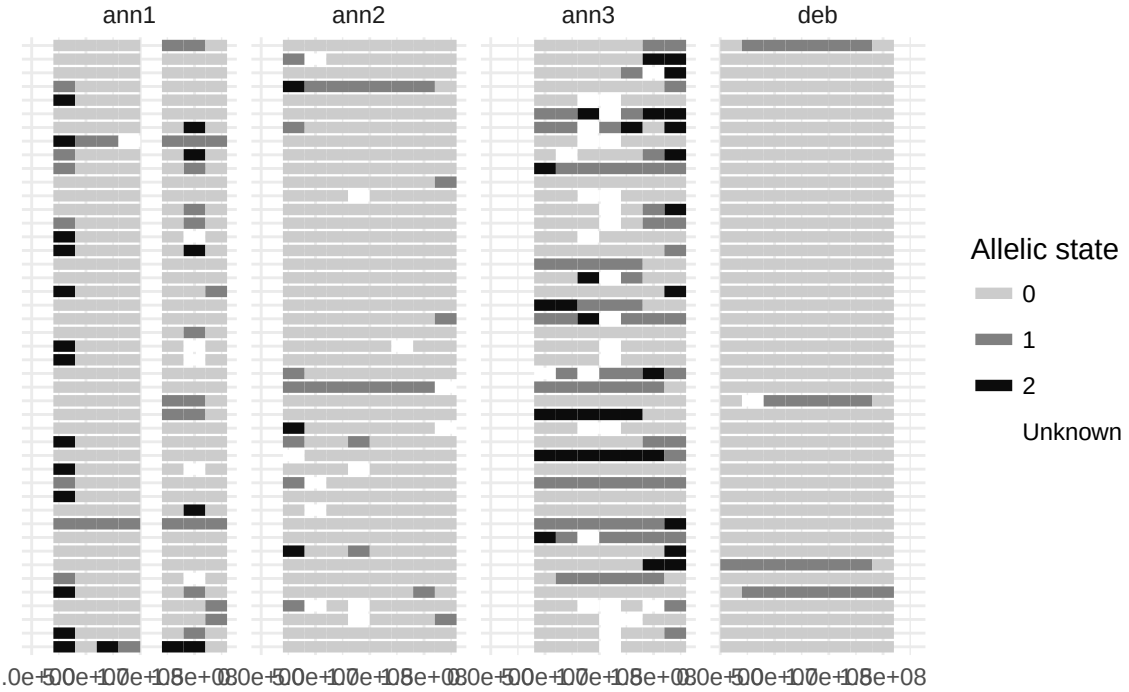

HCC 9 HanXRQChr08 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 9 HanXRQChr09 10MB window



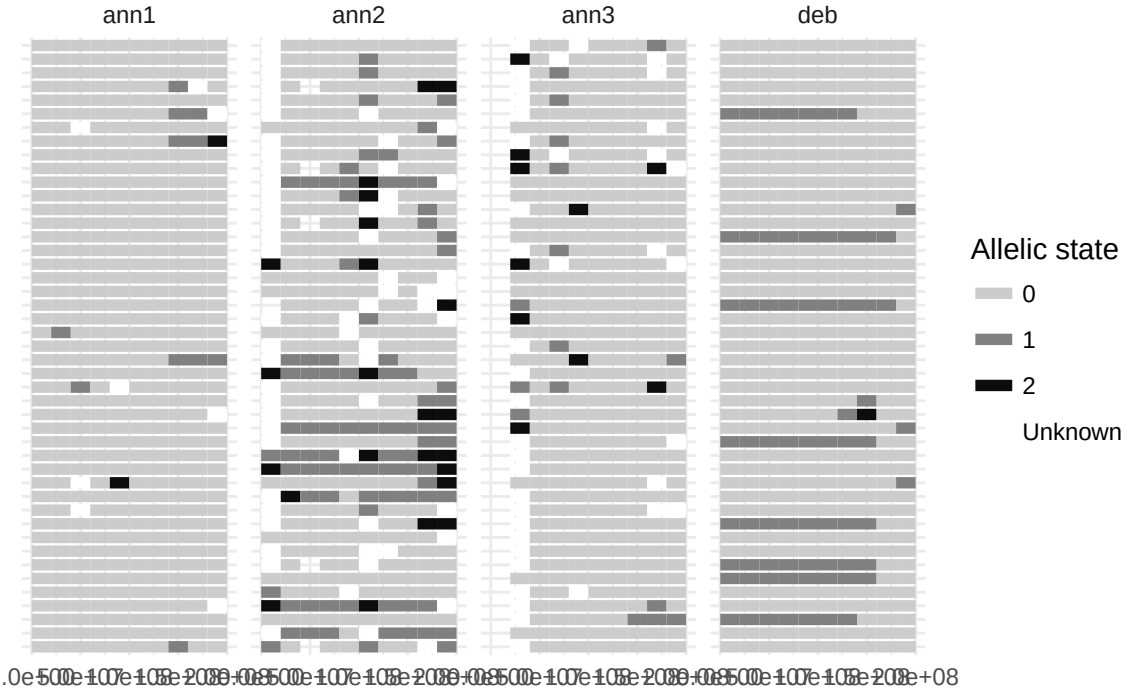

HCC 9 HanXRQChr10 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 9 HanXRQChr11 10MB window



HCC 9 HanXRQChr12 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 9 HanXRQChr13 10MB window



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ann2
ann3
deb
Allelic state
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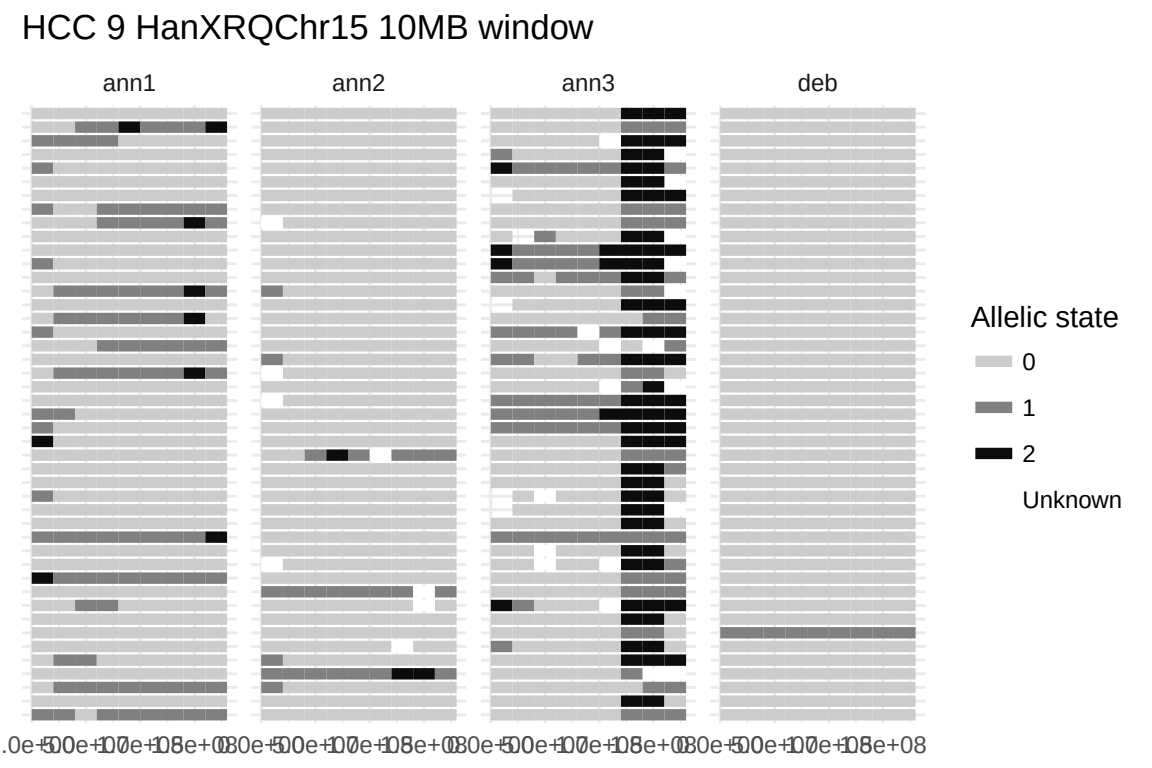
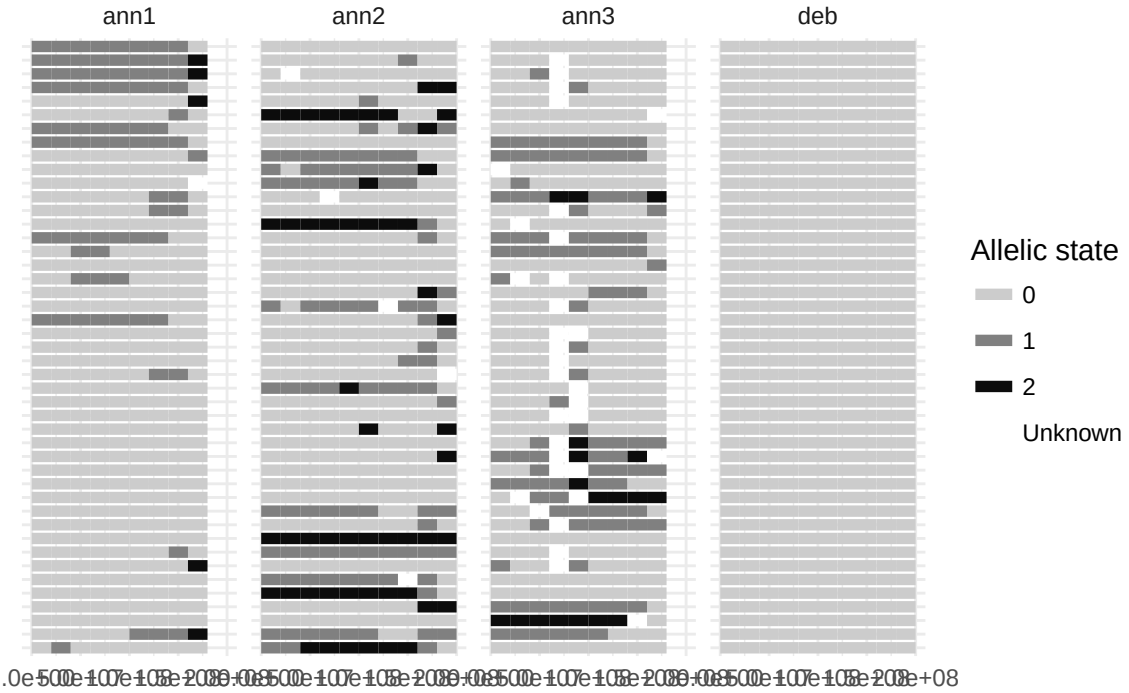
1
2
Unknown


HCC 9 HanXRQChr15 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 9 HanXRQChr16 10MB window



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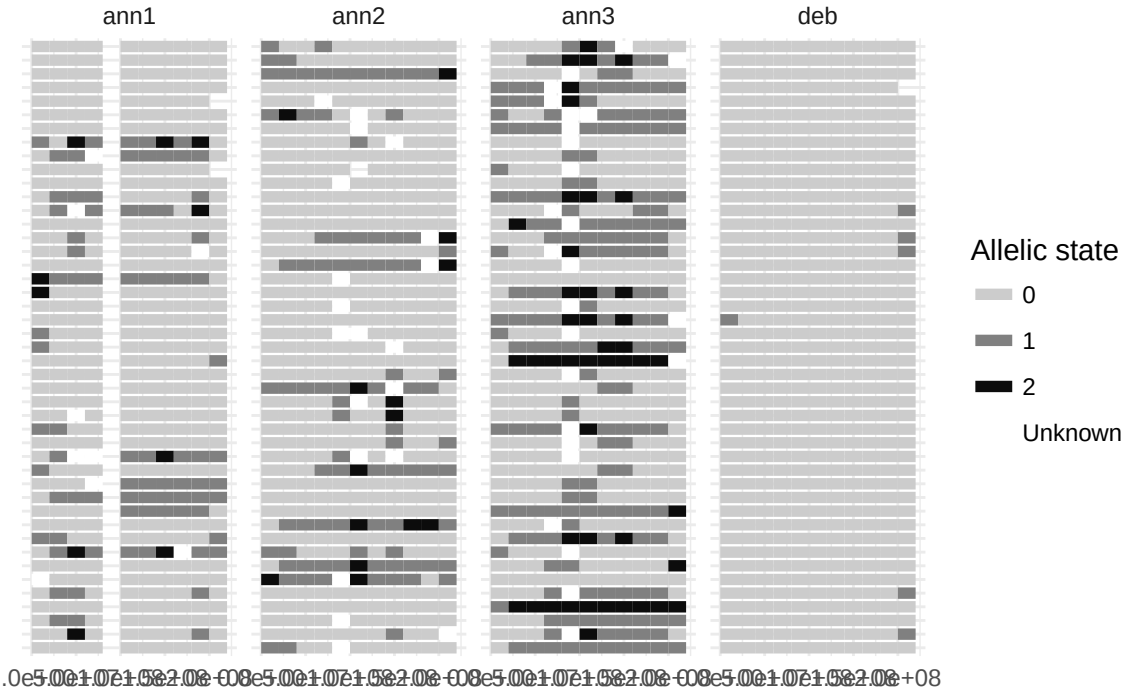

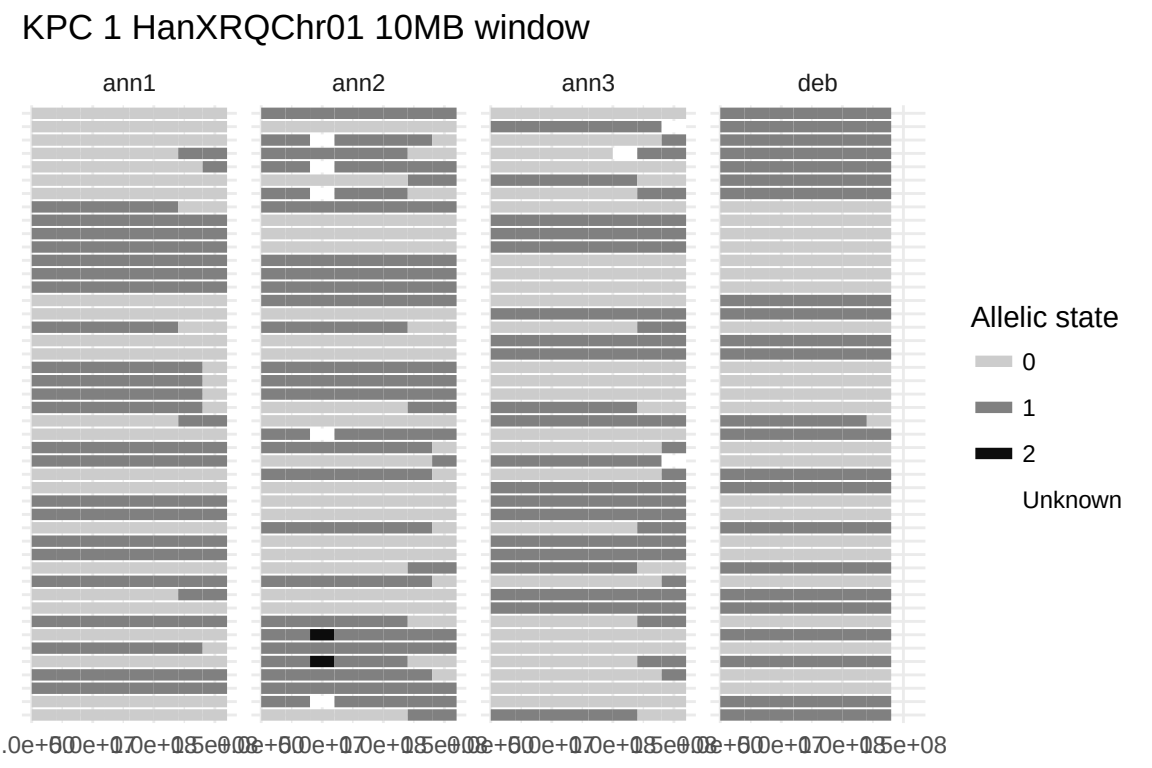
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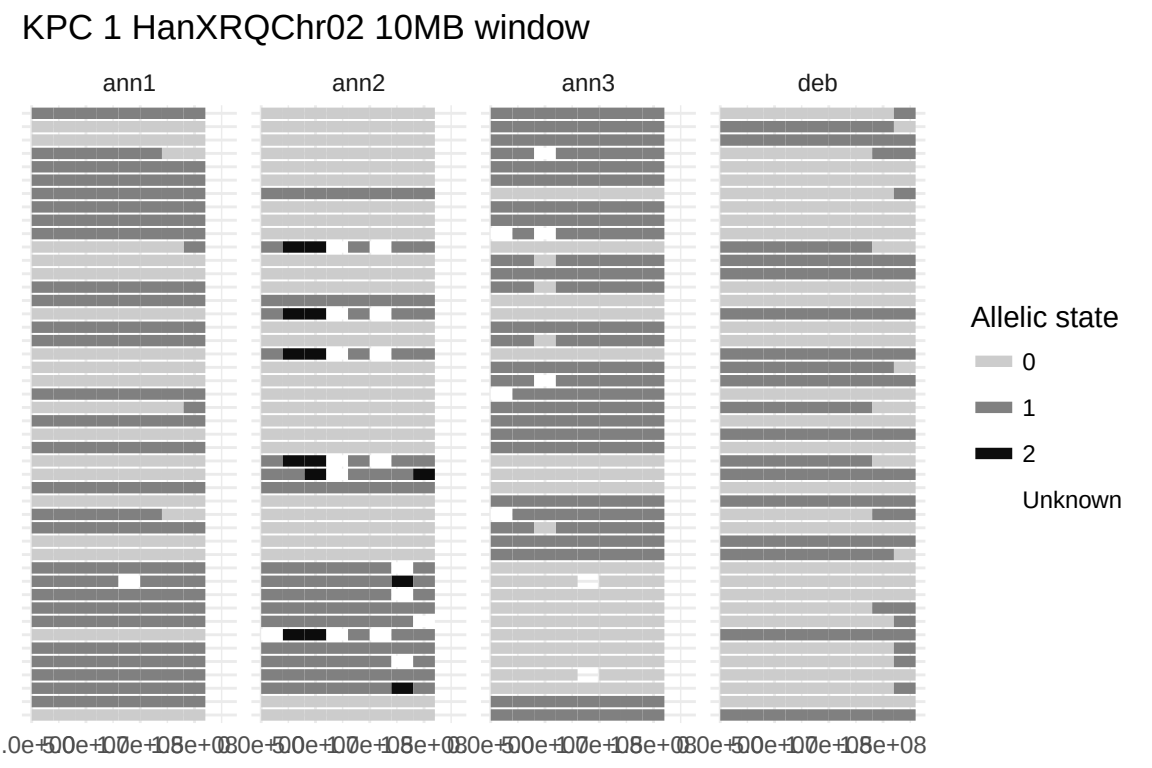
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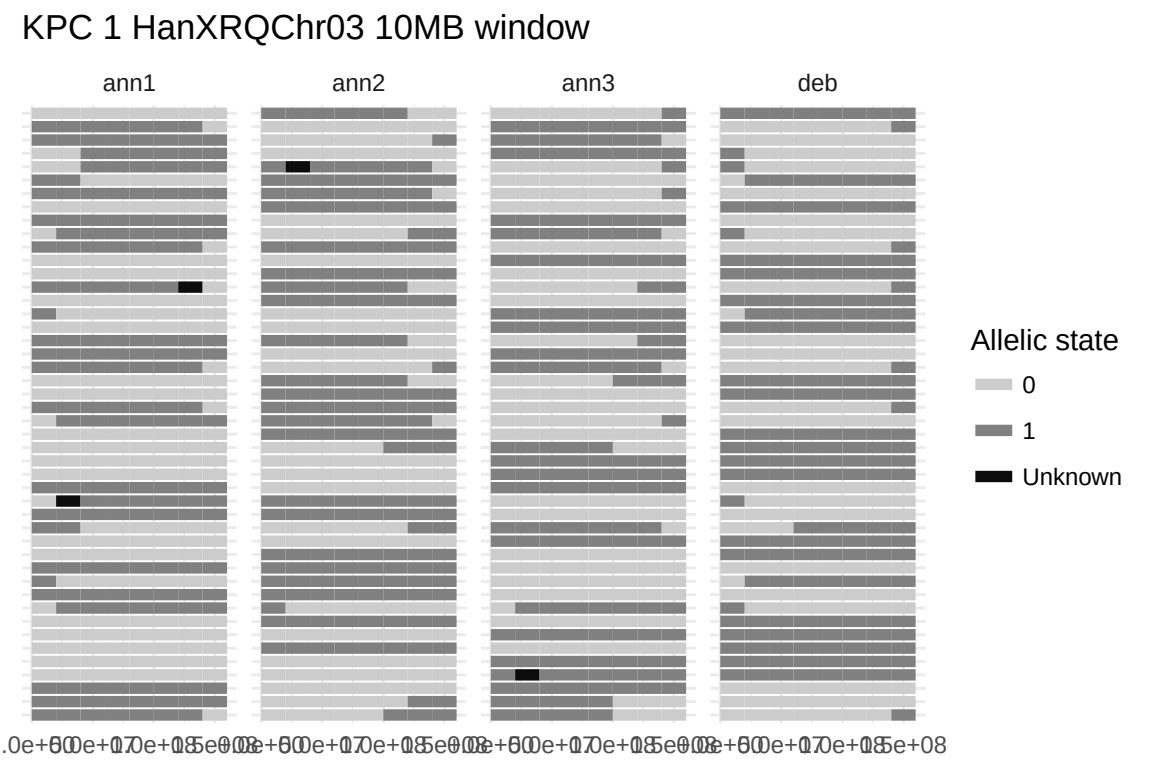
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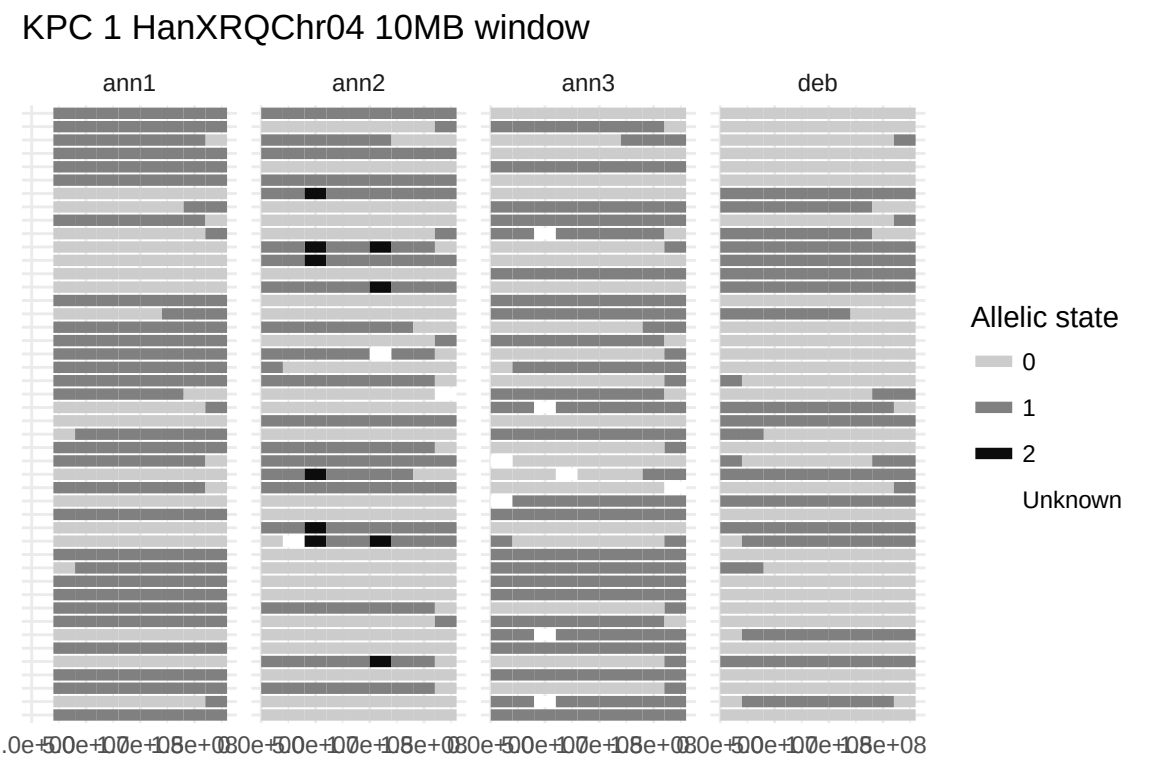
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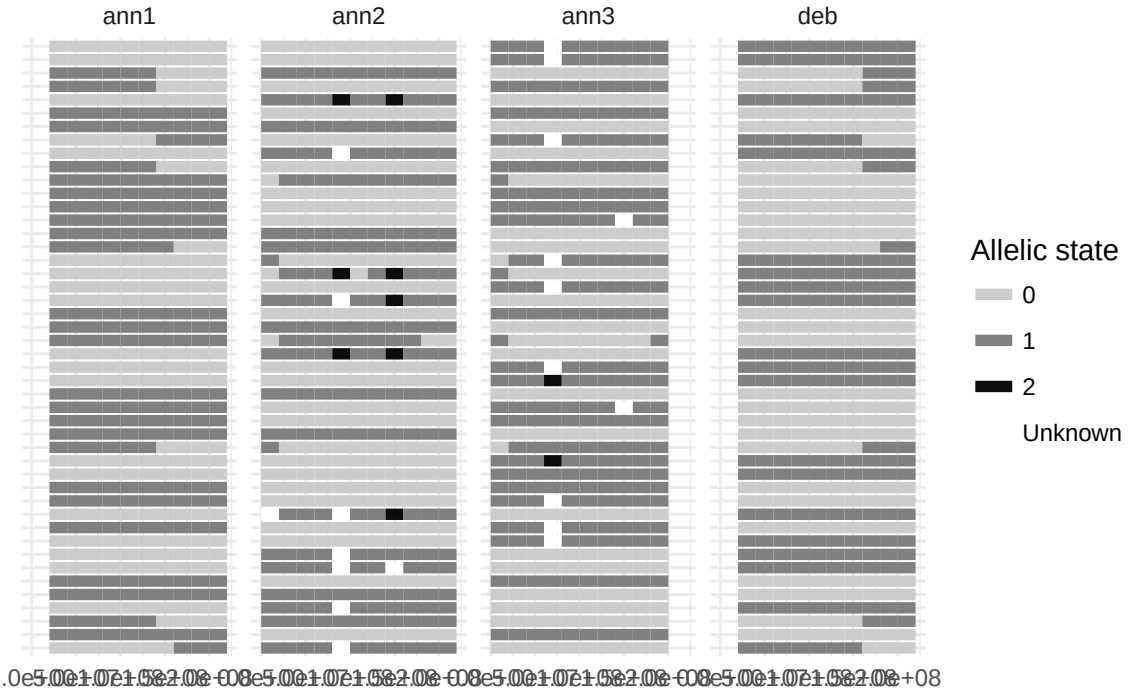
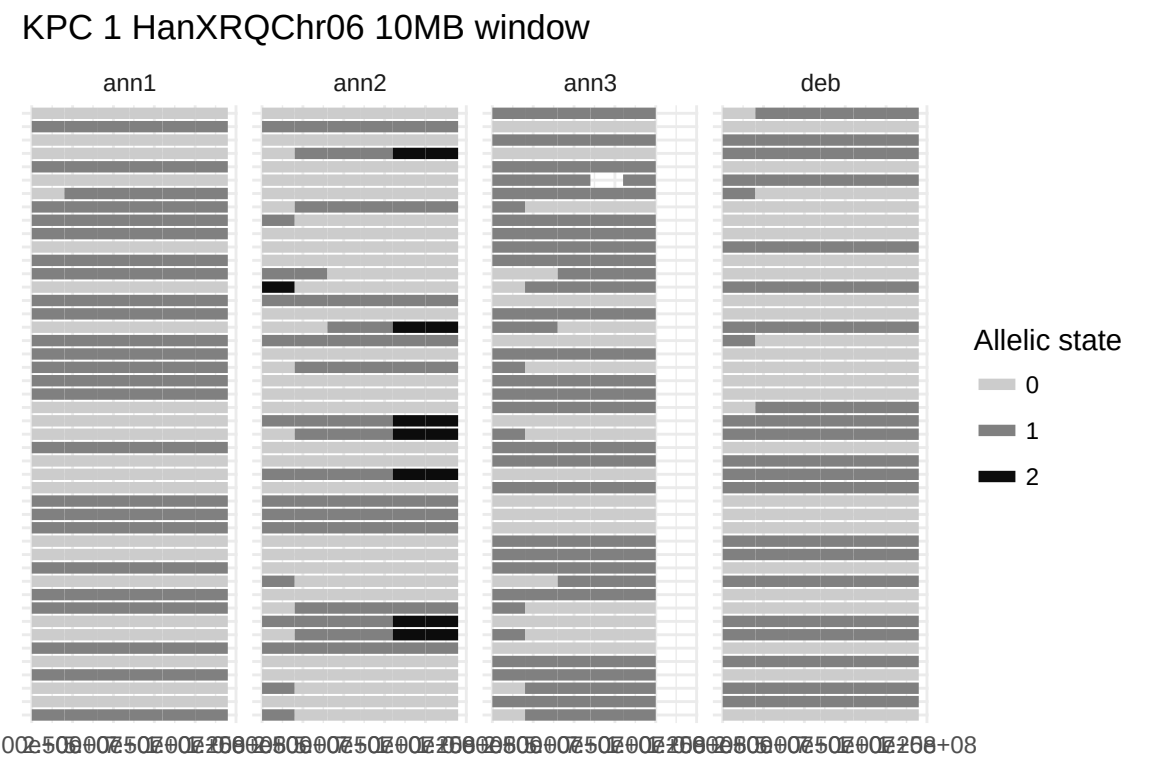
KPC 1 HanXRQChr05 10MB window

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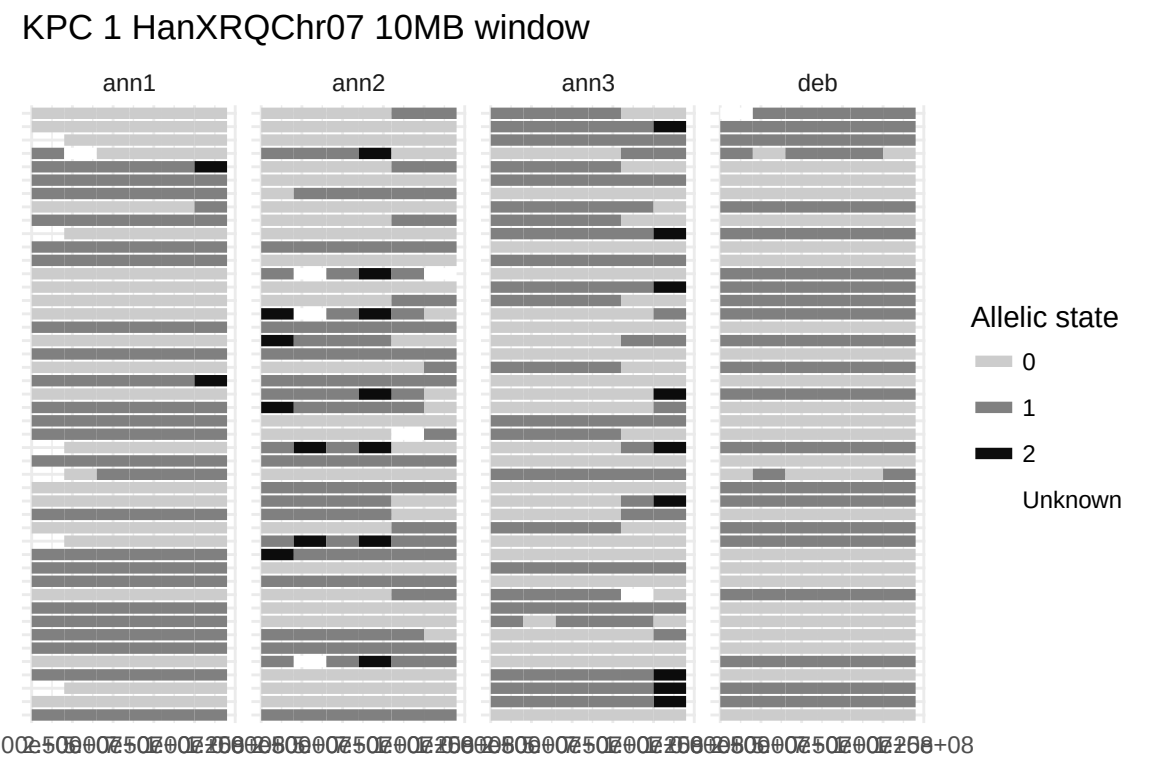
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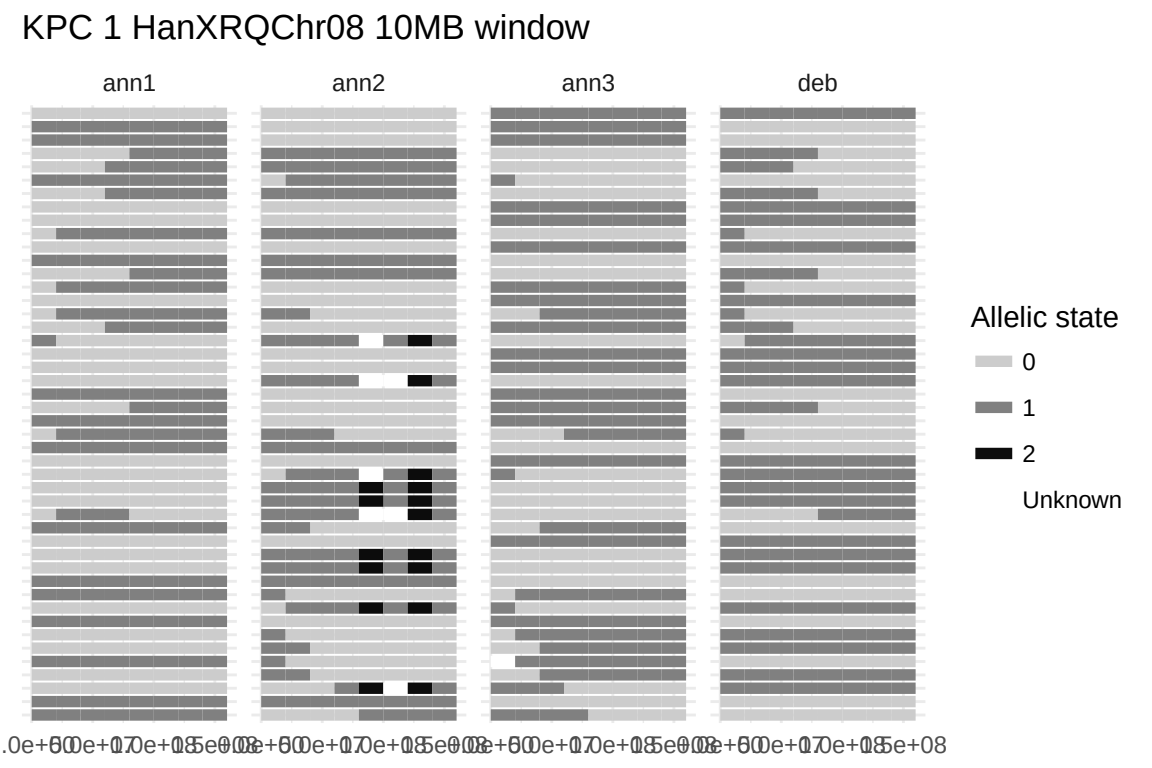
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Allelic state
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2
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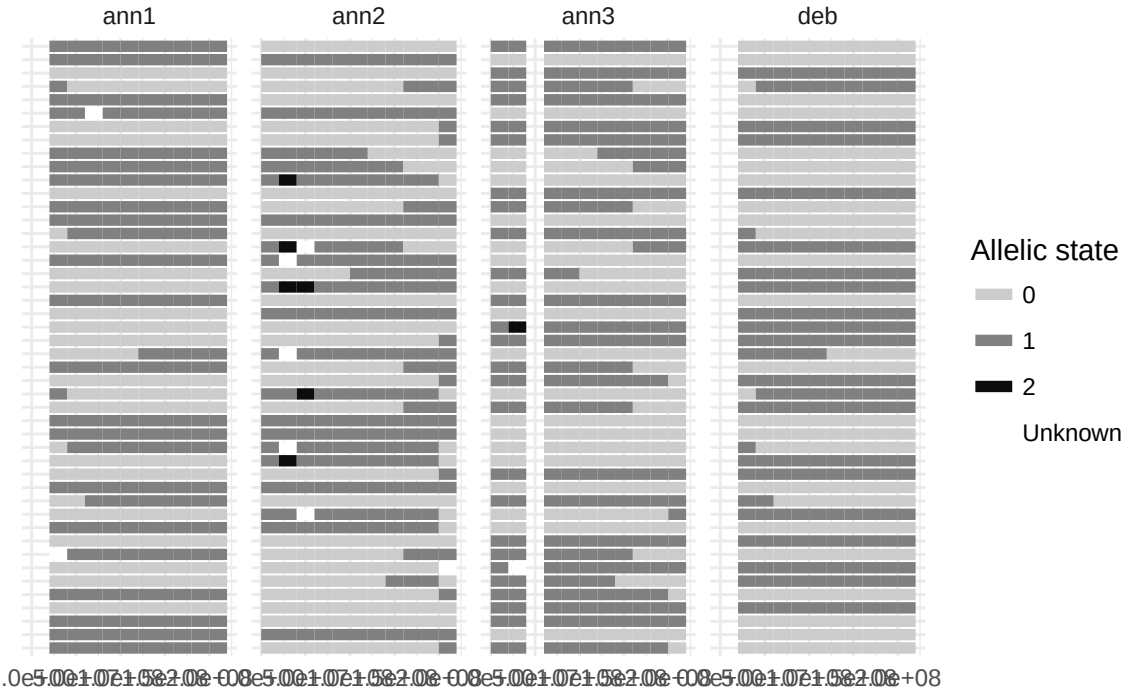
KPC 1 HanXRQChr09 10MB window



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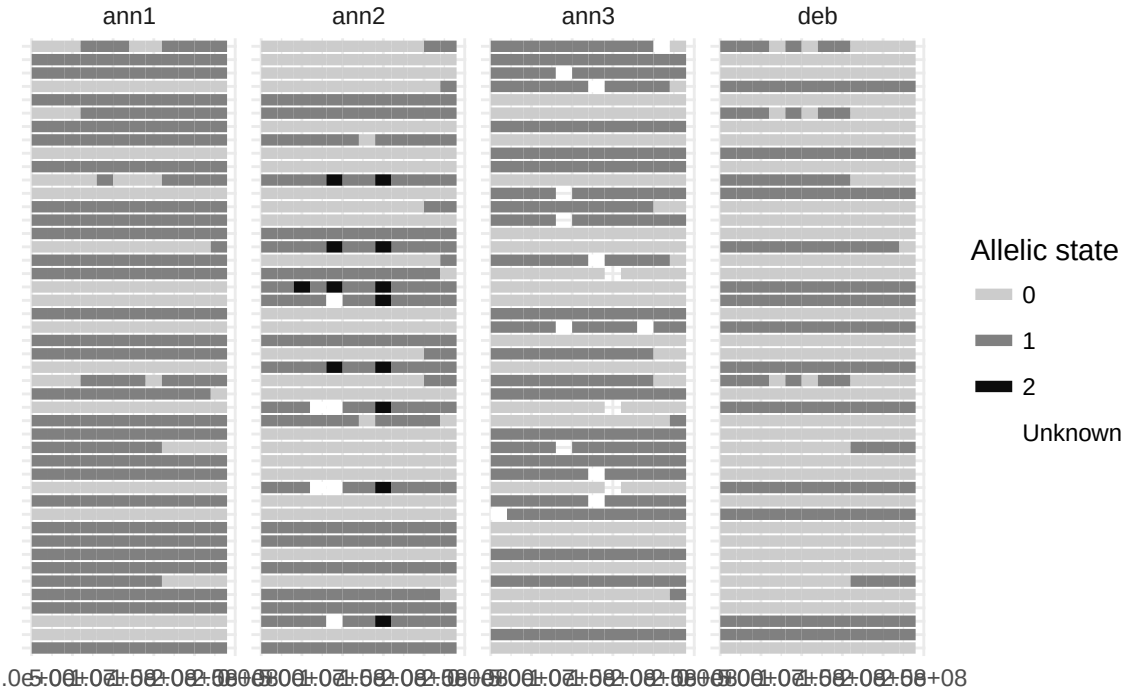

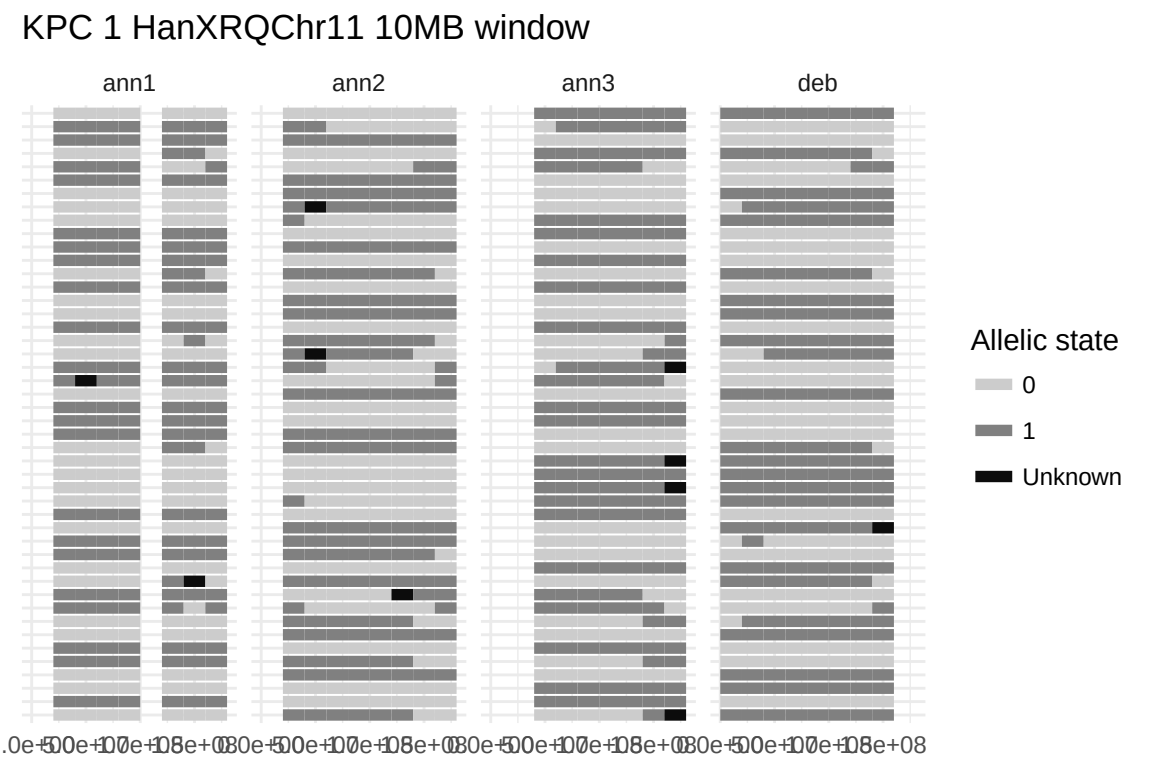
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ann2
ann3
deb
Allelic state
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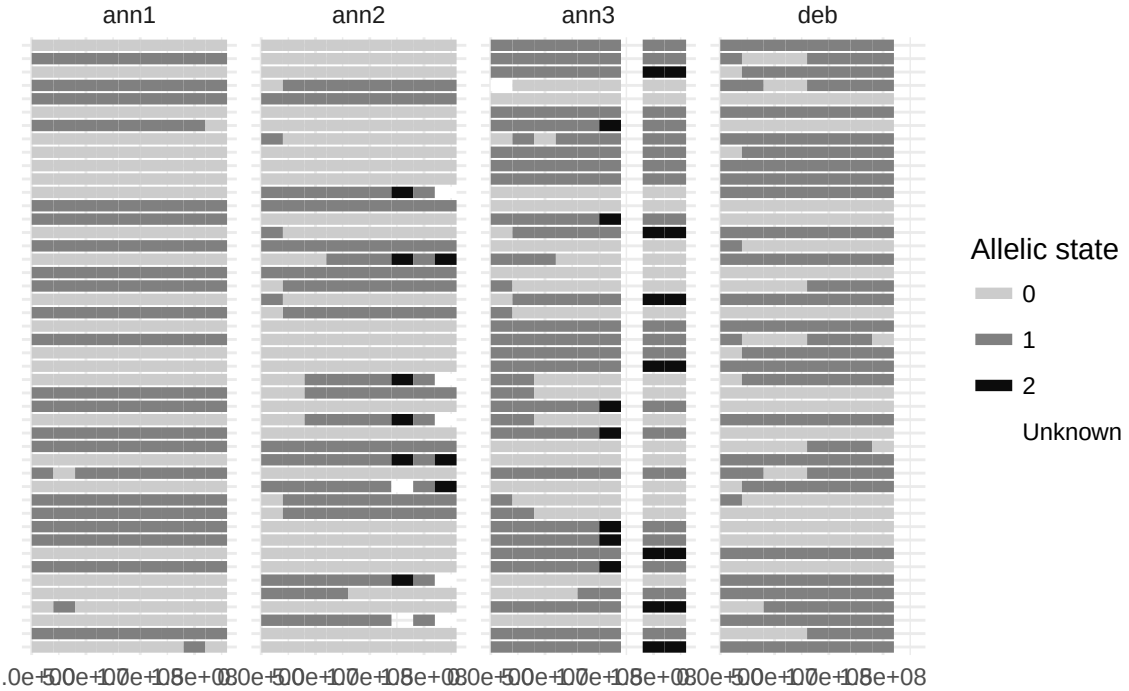
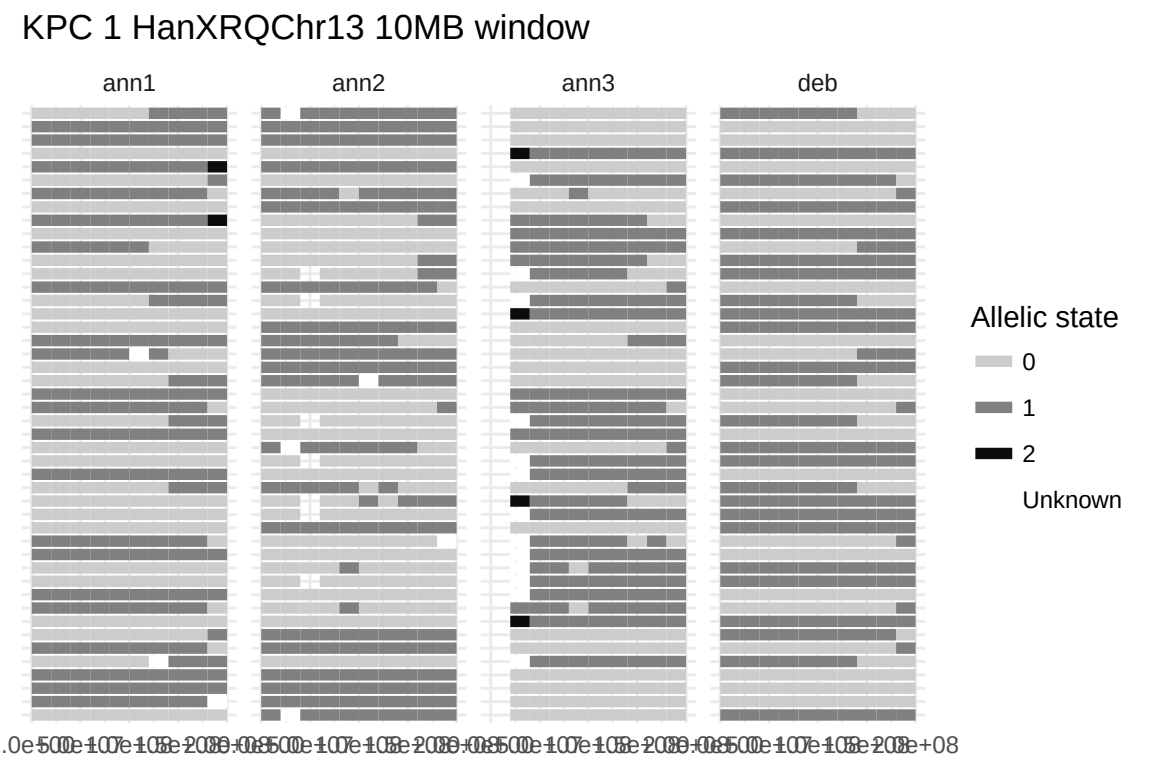
KPC 1 HanXRQChr12 10MB window

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ann3
deb
Allelic state
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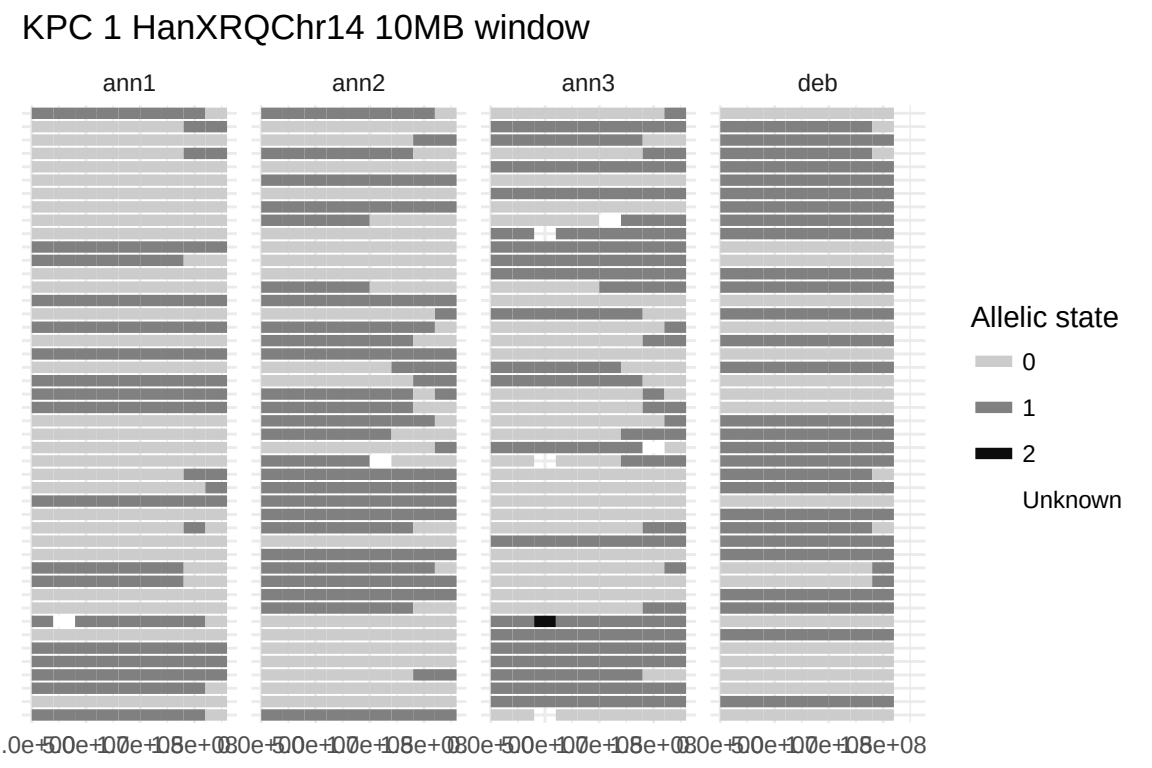
1
2
Unknown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ann3
deb
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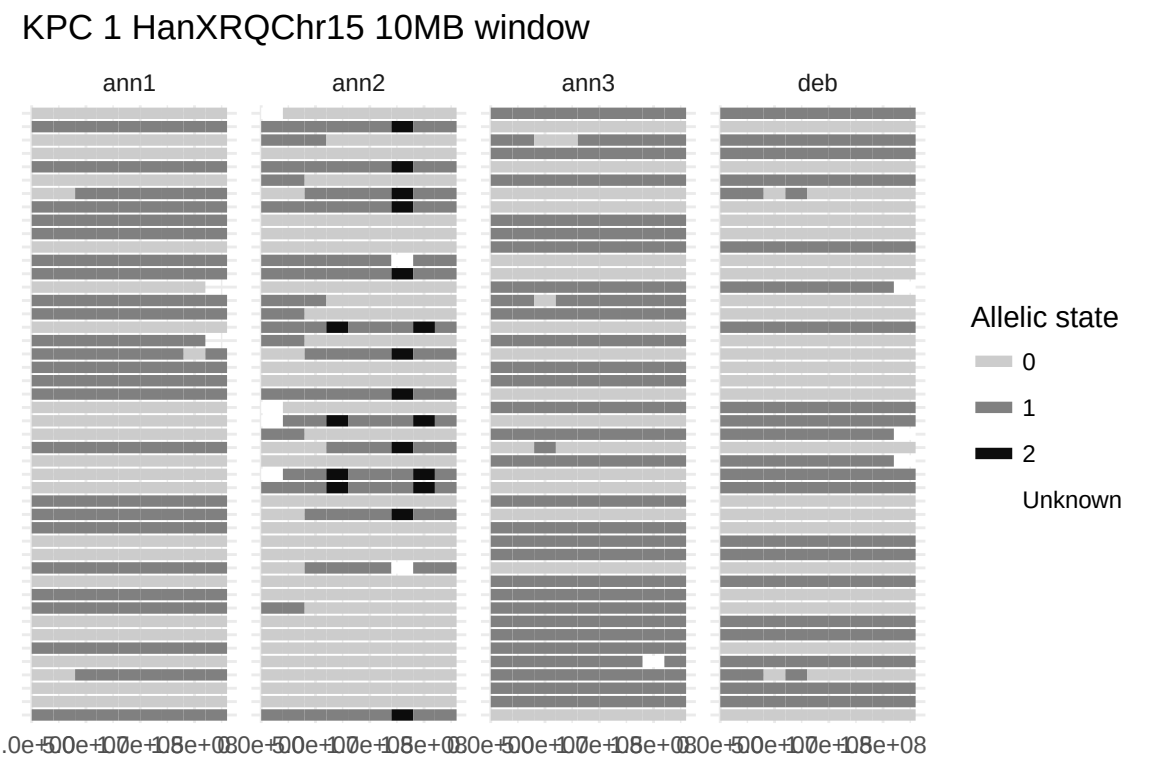
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2
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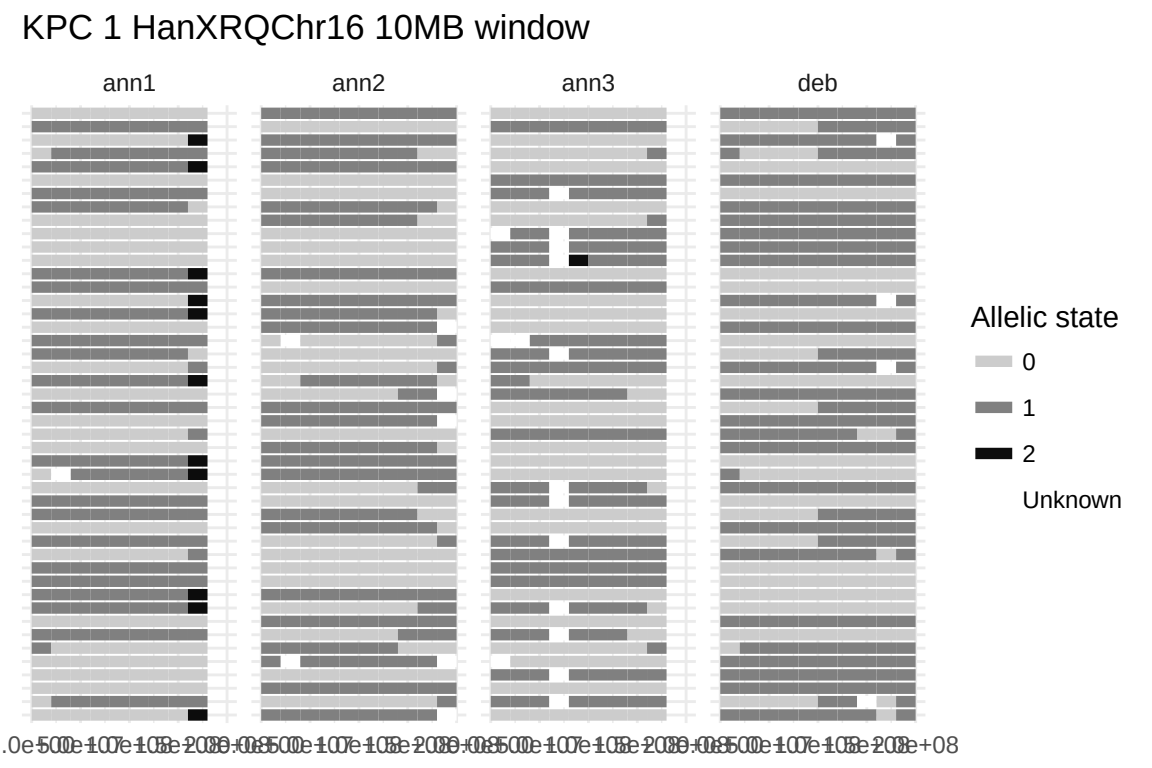
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deb
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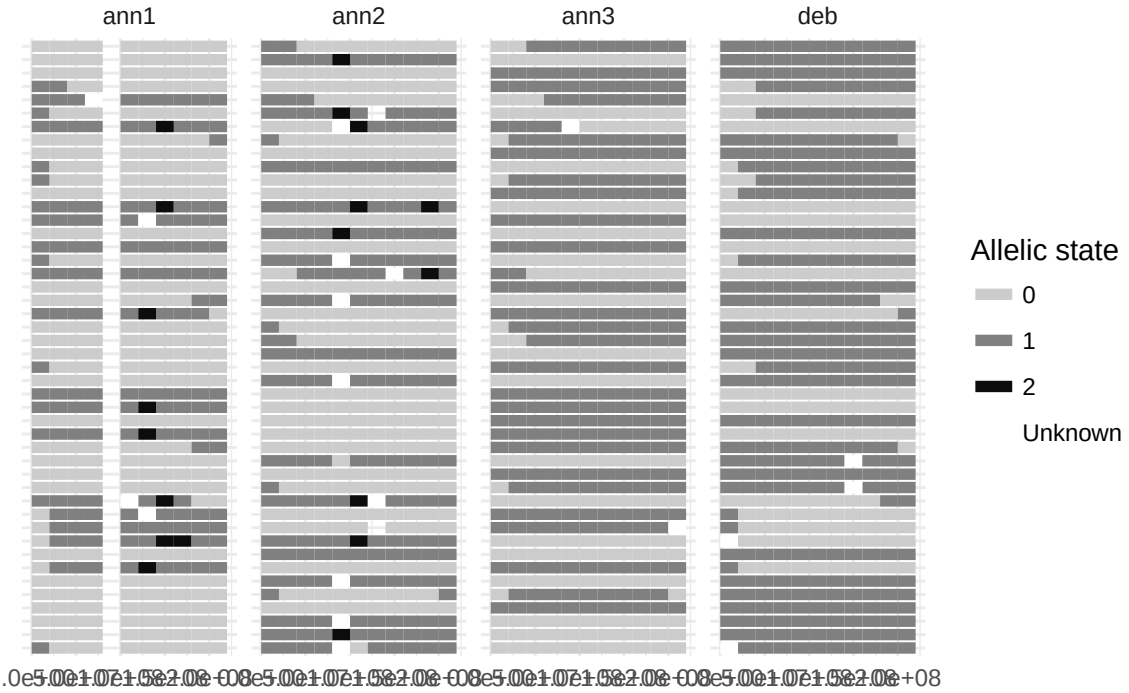
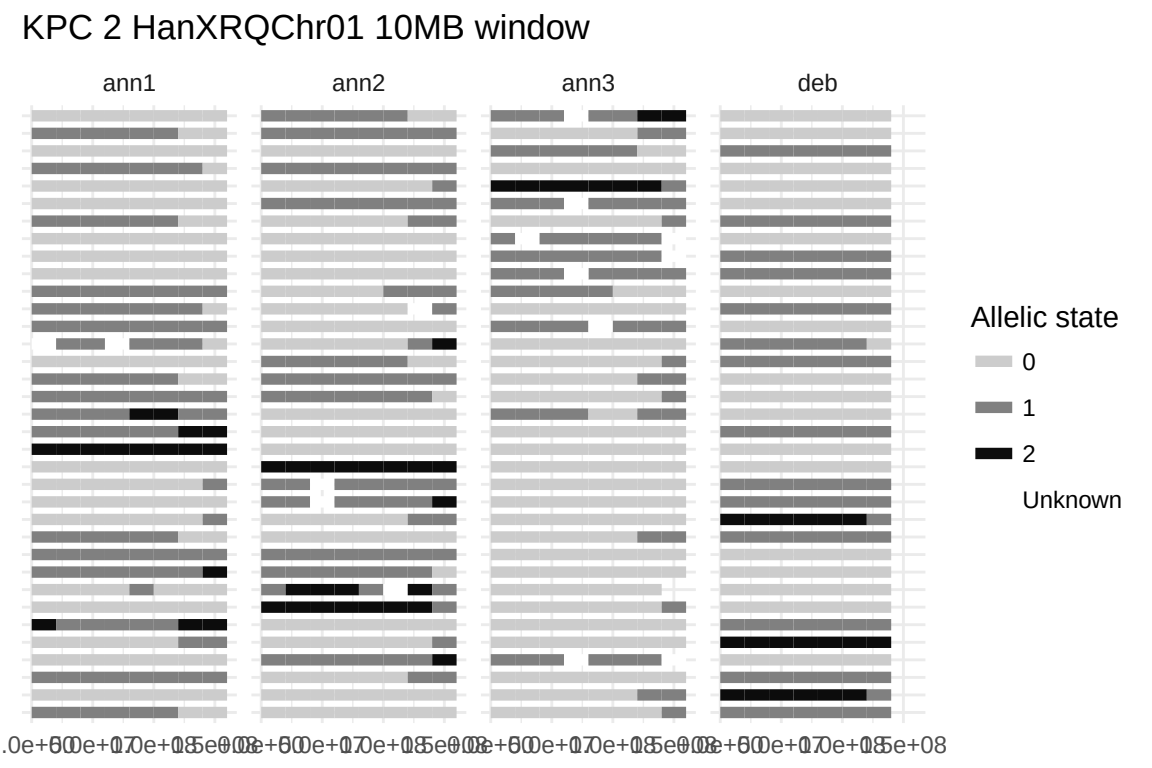
KPC 1 HanXRQChr17 10MB window

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ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

KPC 2 HanXRQChr02 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown
.0e+5
0.0e+5
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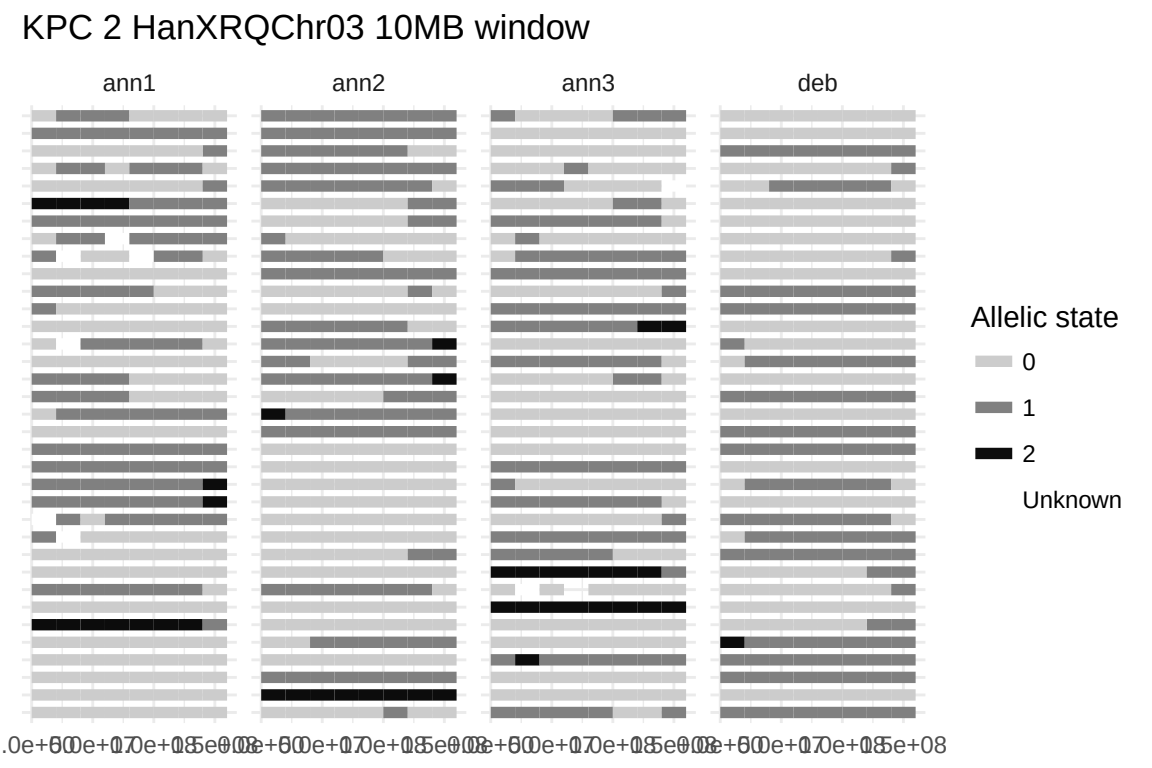
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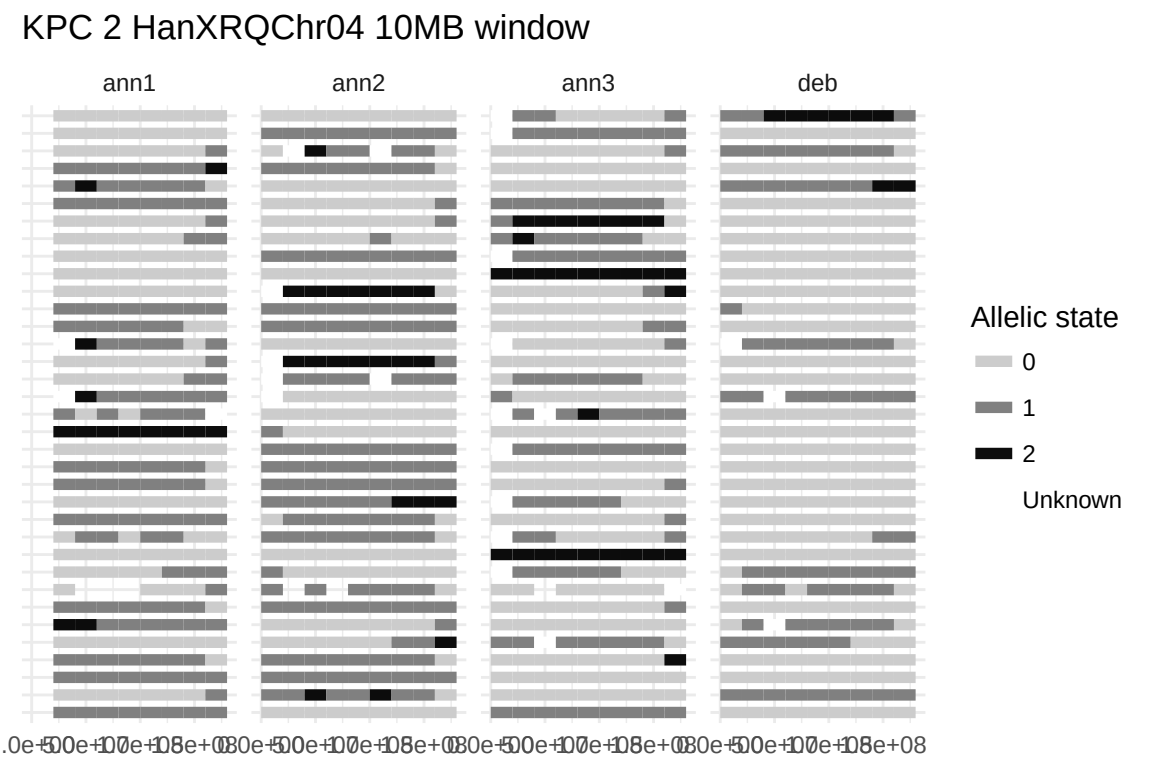
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KPC 2 HanXRQChr05 10MB window
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ann2
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deb
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Unknown

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ann3
deb
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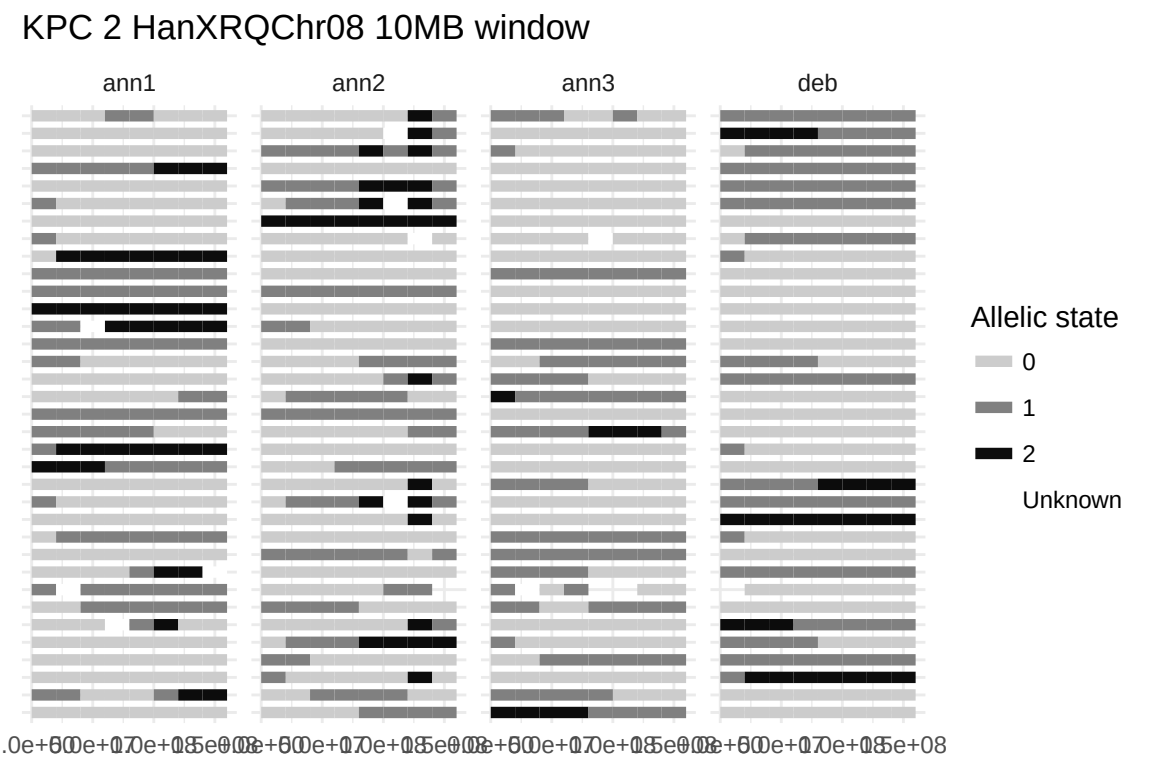
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2
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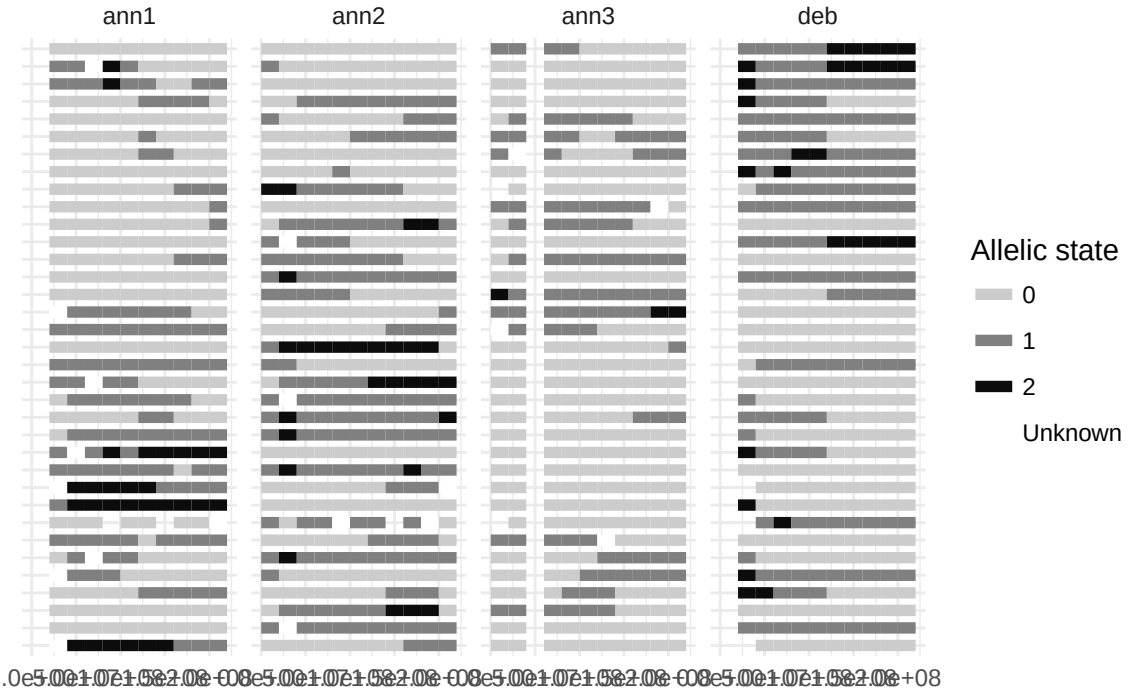

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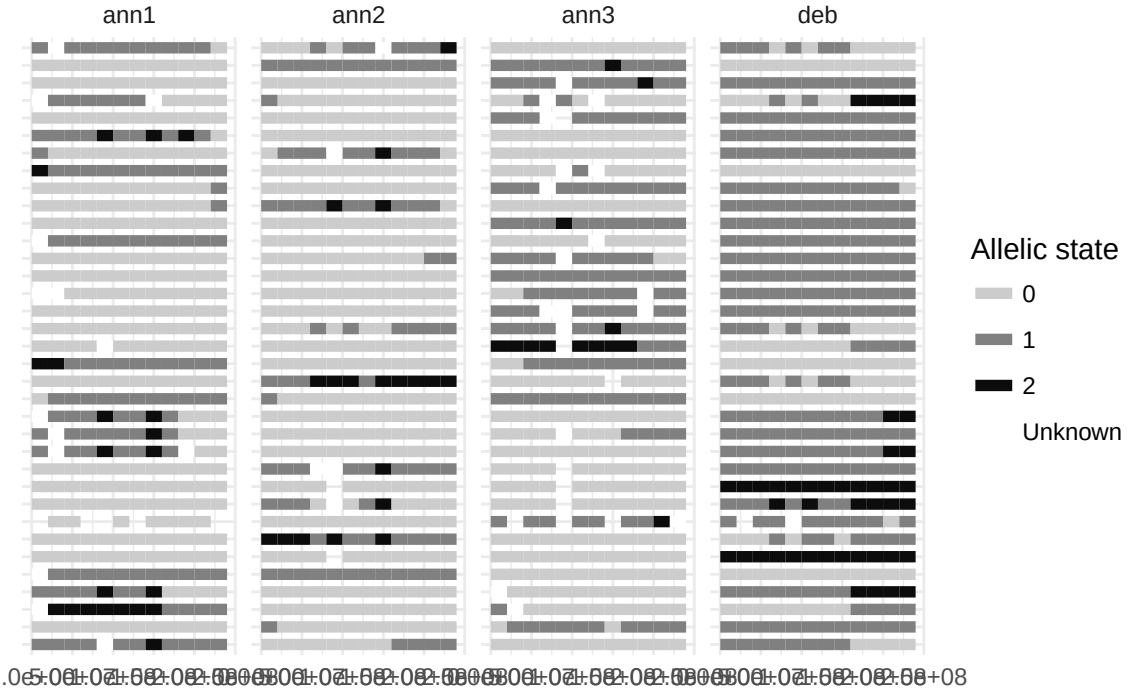

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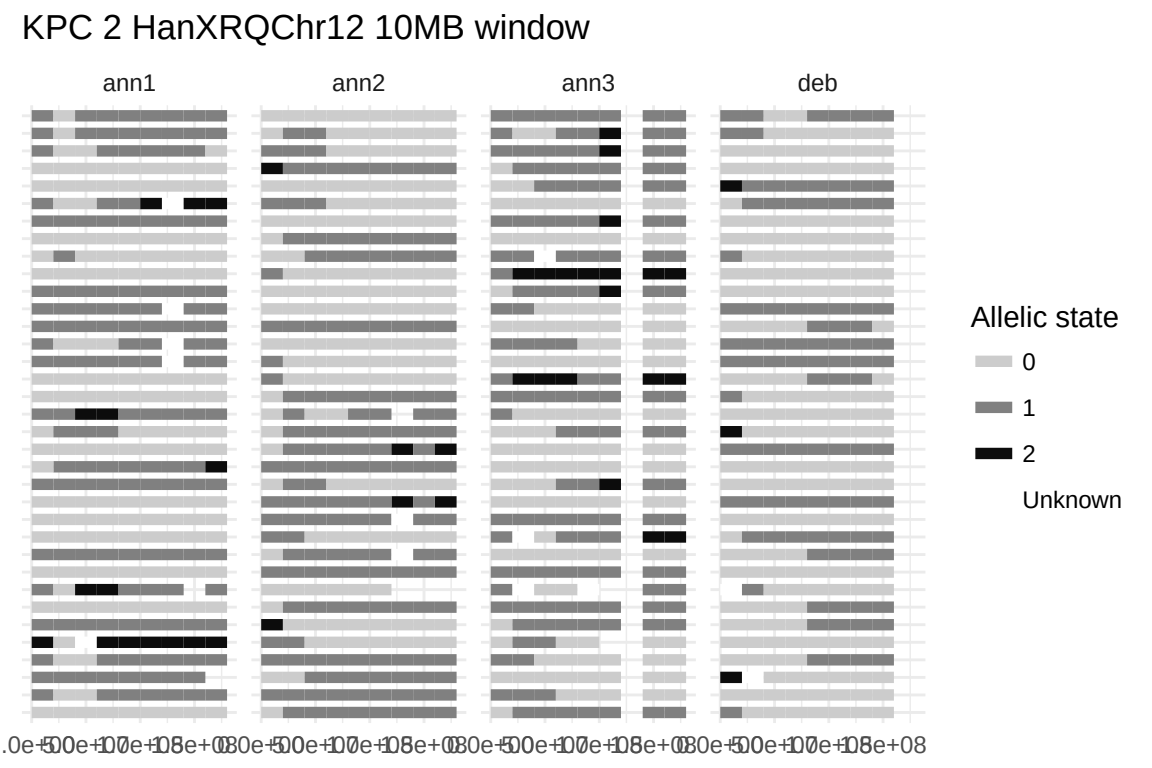
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ann3
deb
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2
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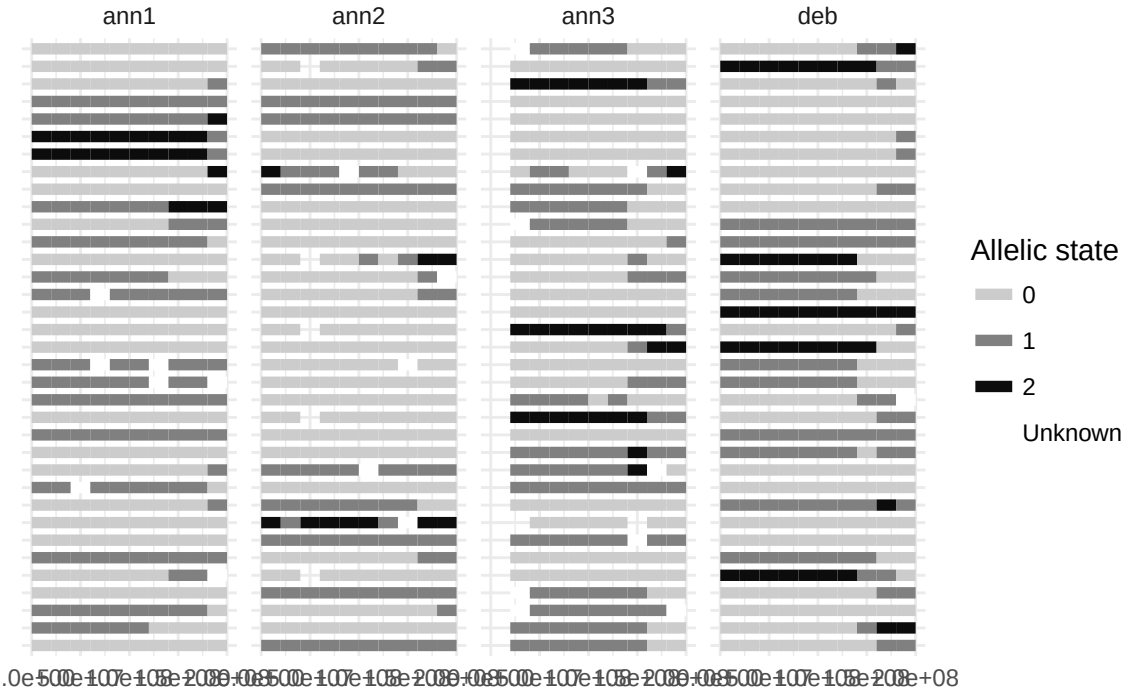
KPC 2 HanXRQChr13 10MB window



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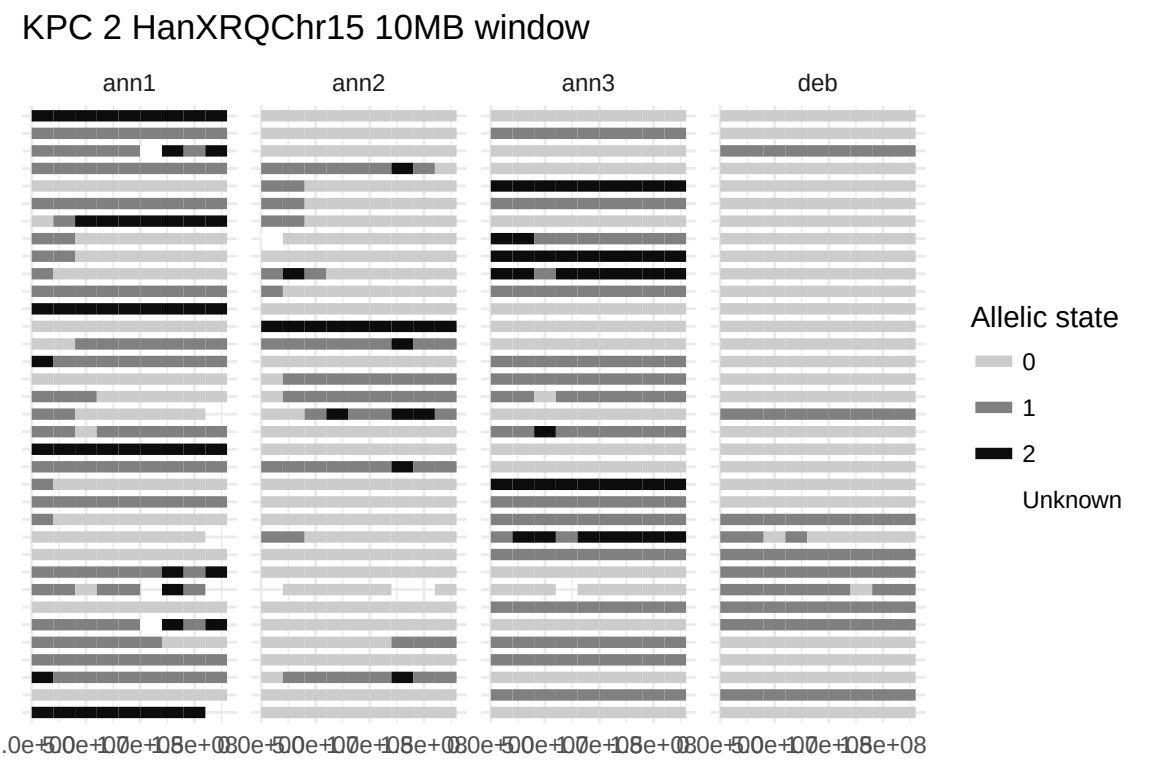
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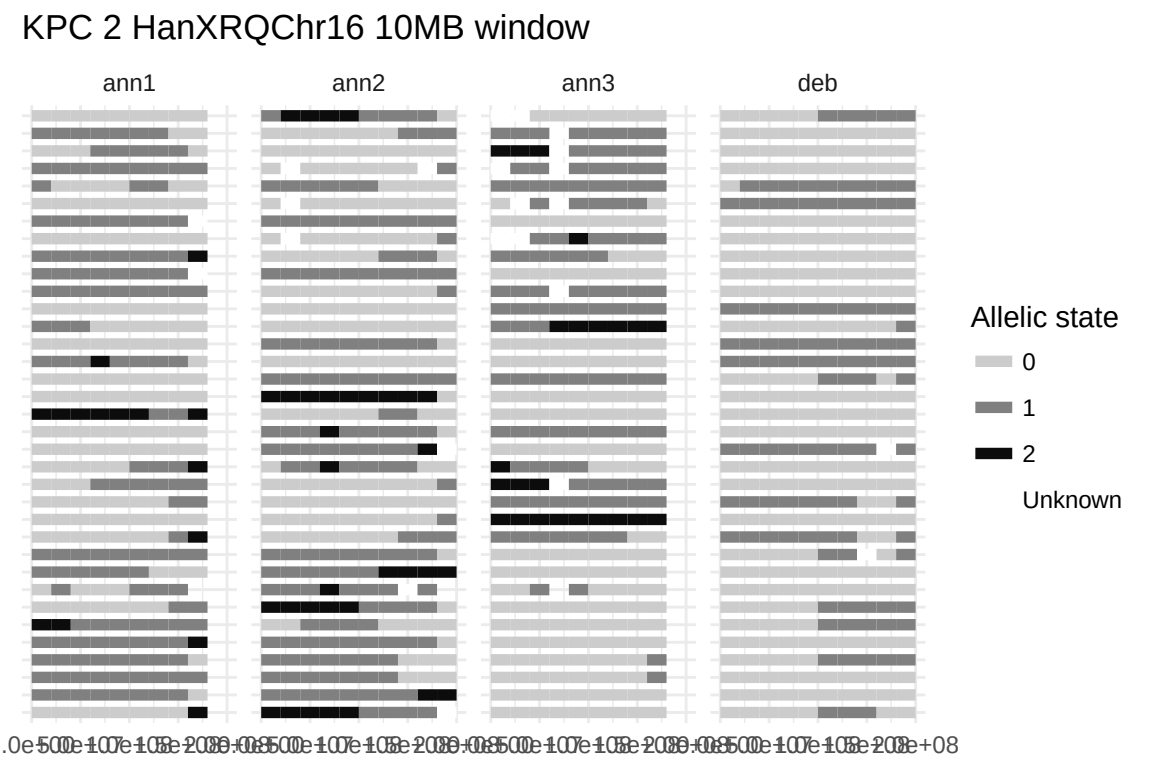
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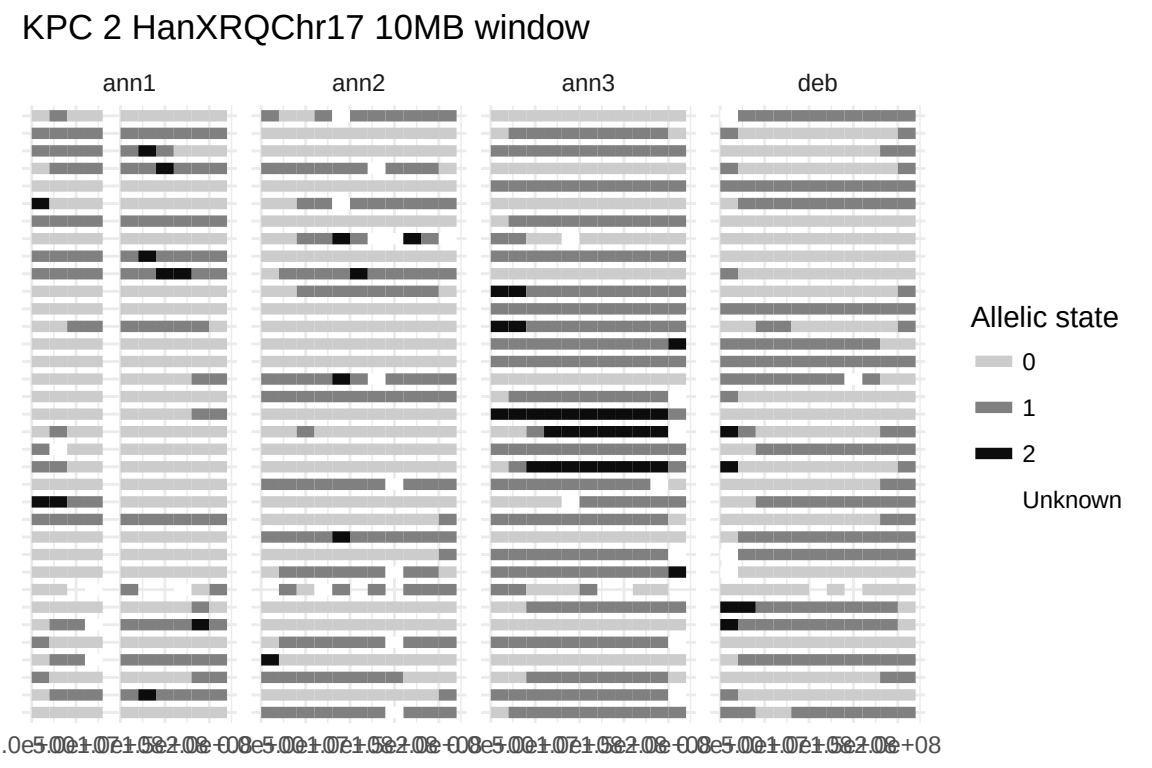
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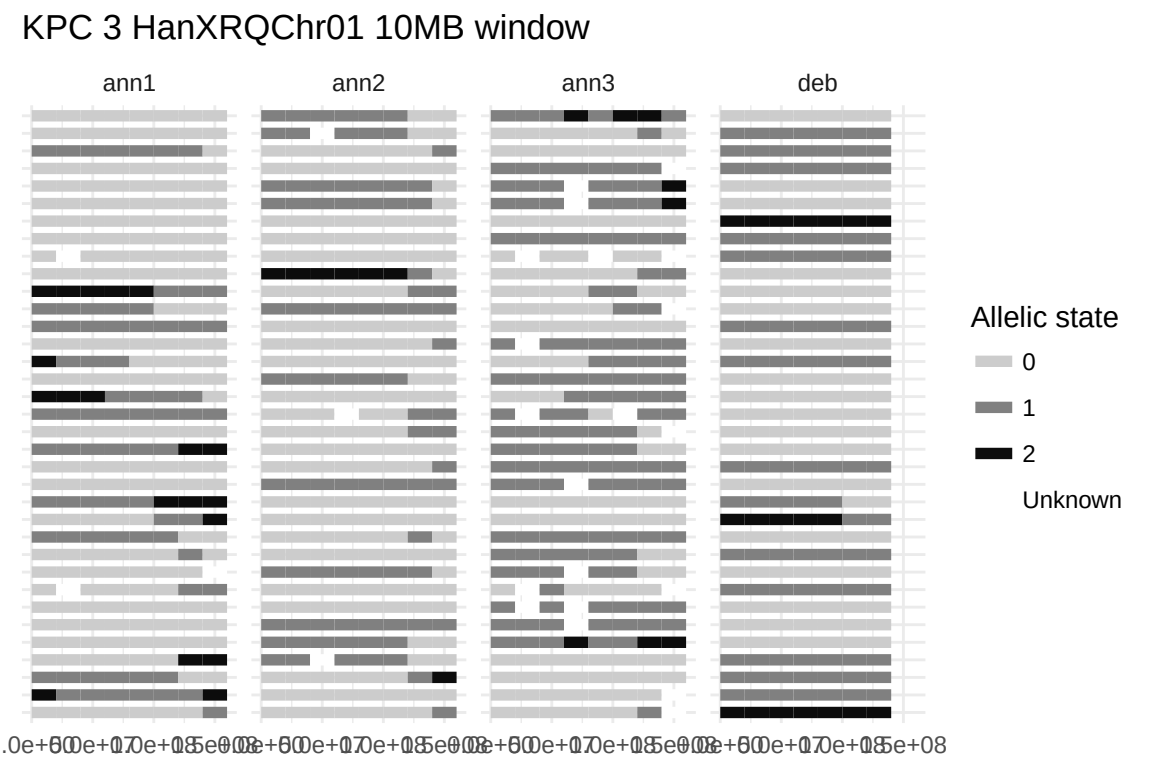
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KPC 3 HanXRQChr02 10MB window
ann1
ann2
ann3
deb
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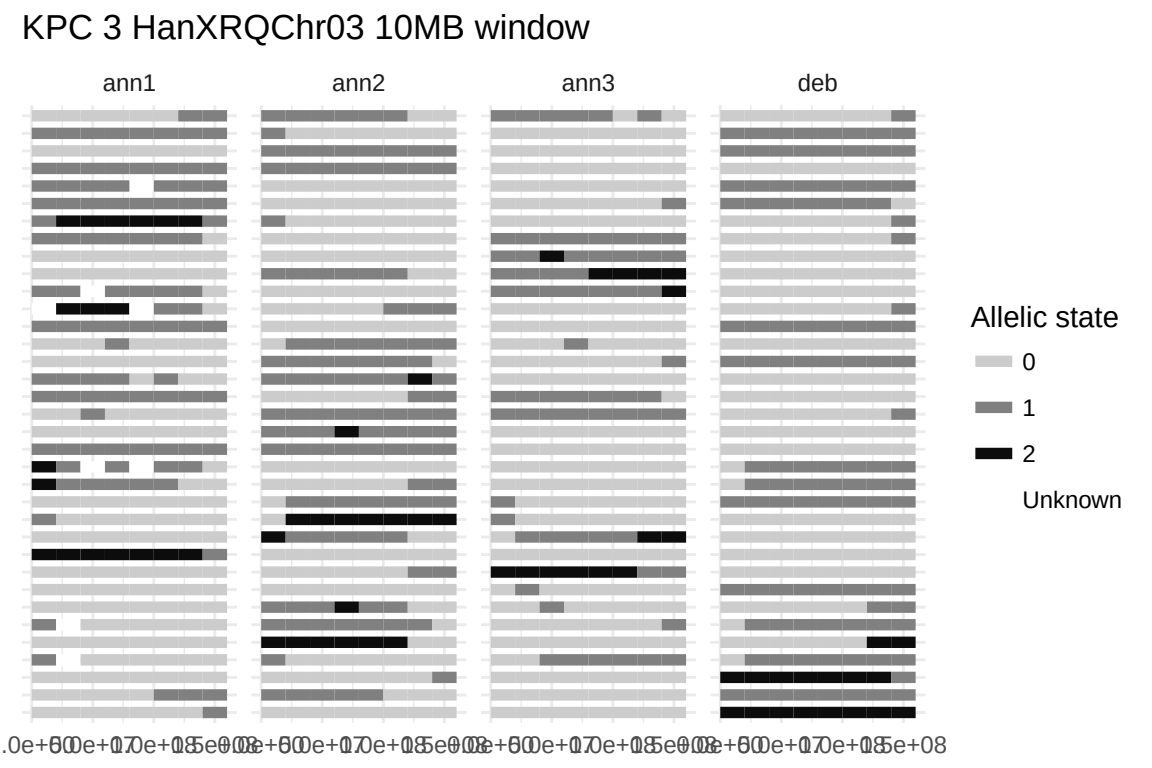
1.0e+8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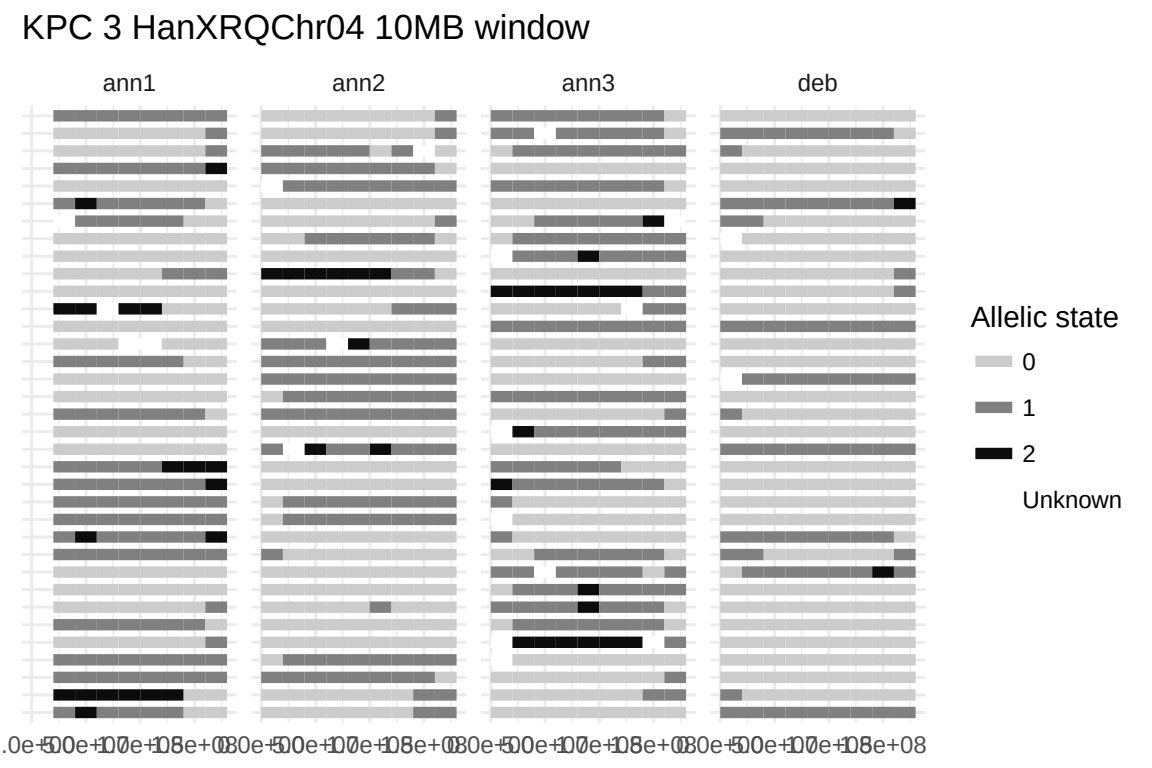
Unknown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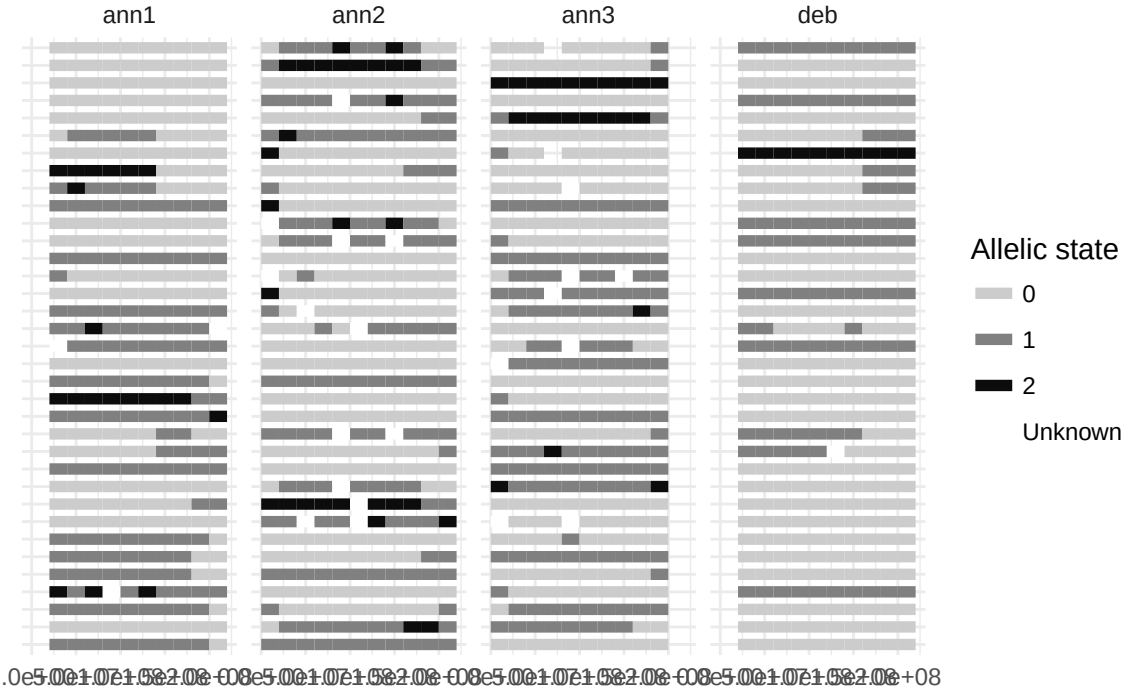
KPC 3 HanXRQChr05 10MB window



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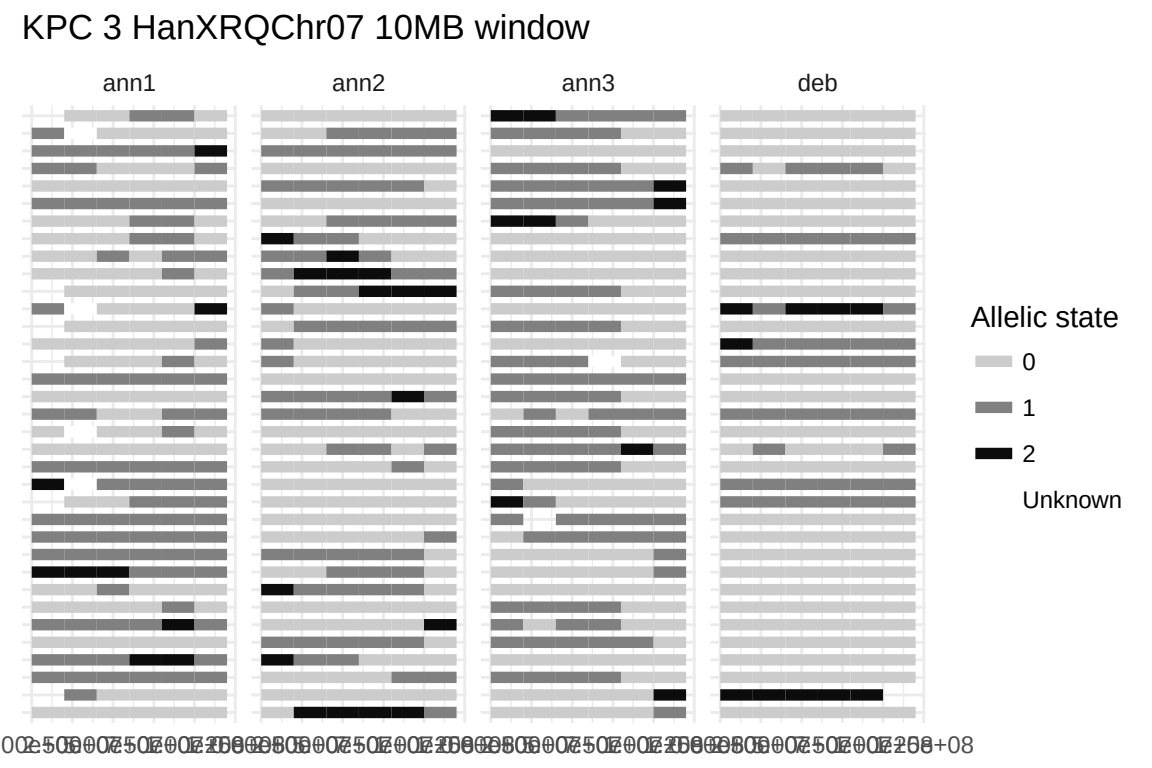
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1
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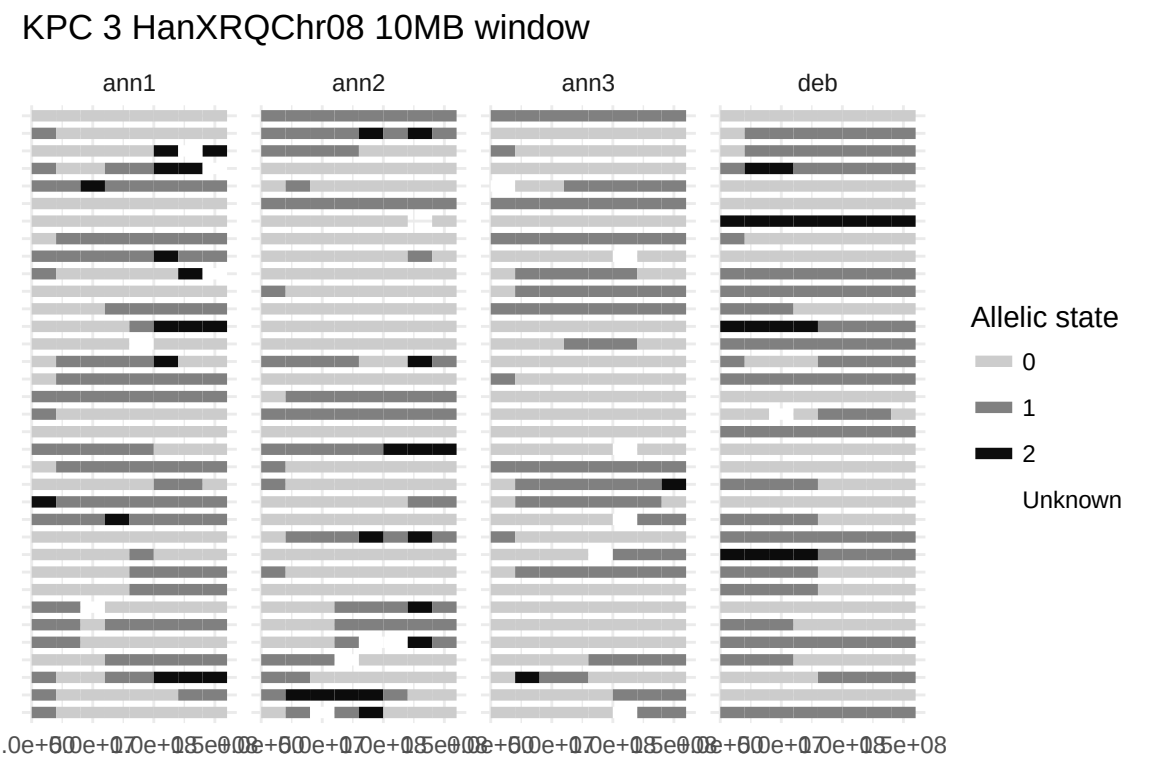
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ann1
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deb
Allelic state
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1
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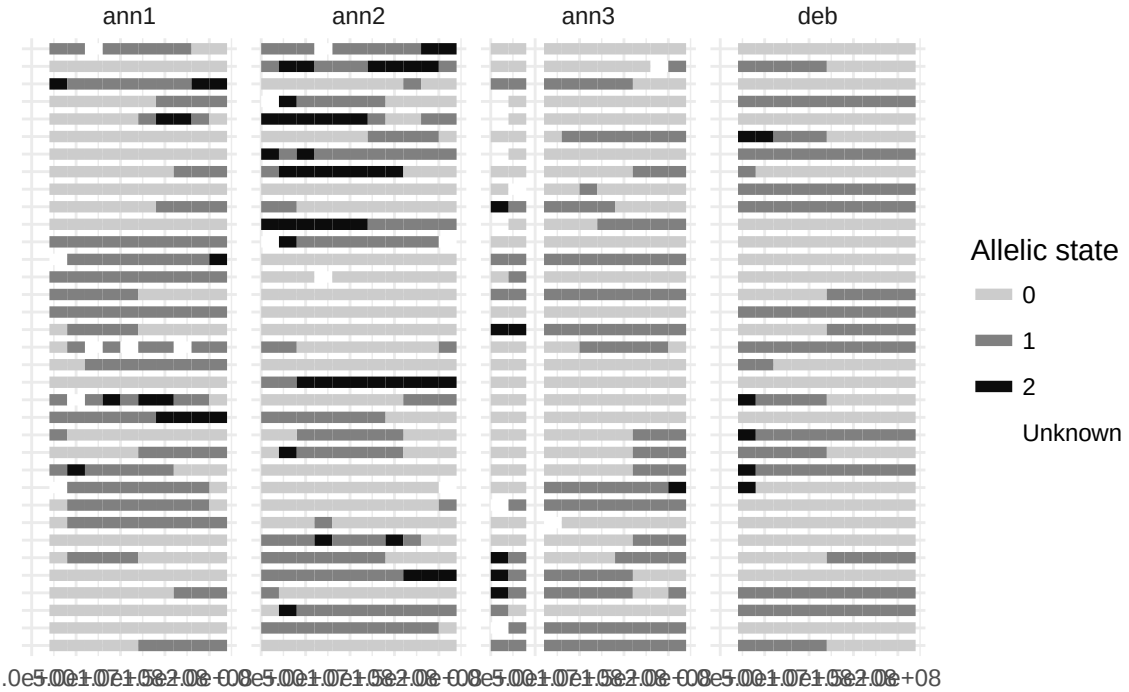
KPC 3 HanXRQChr09 10MB window



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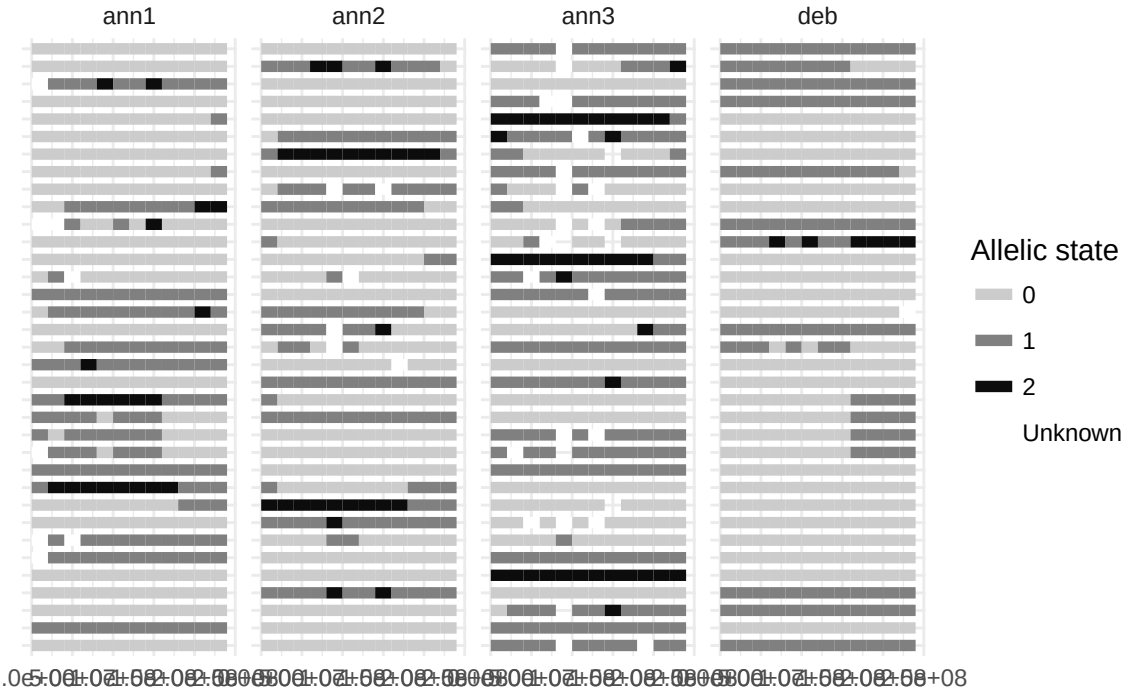
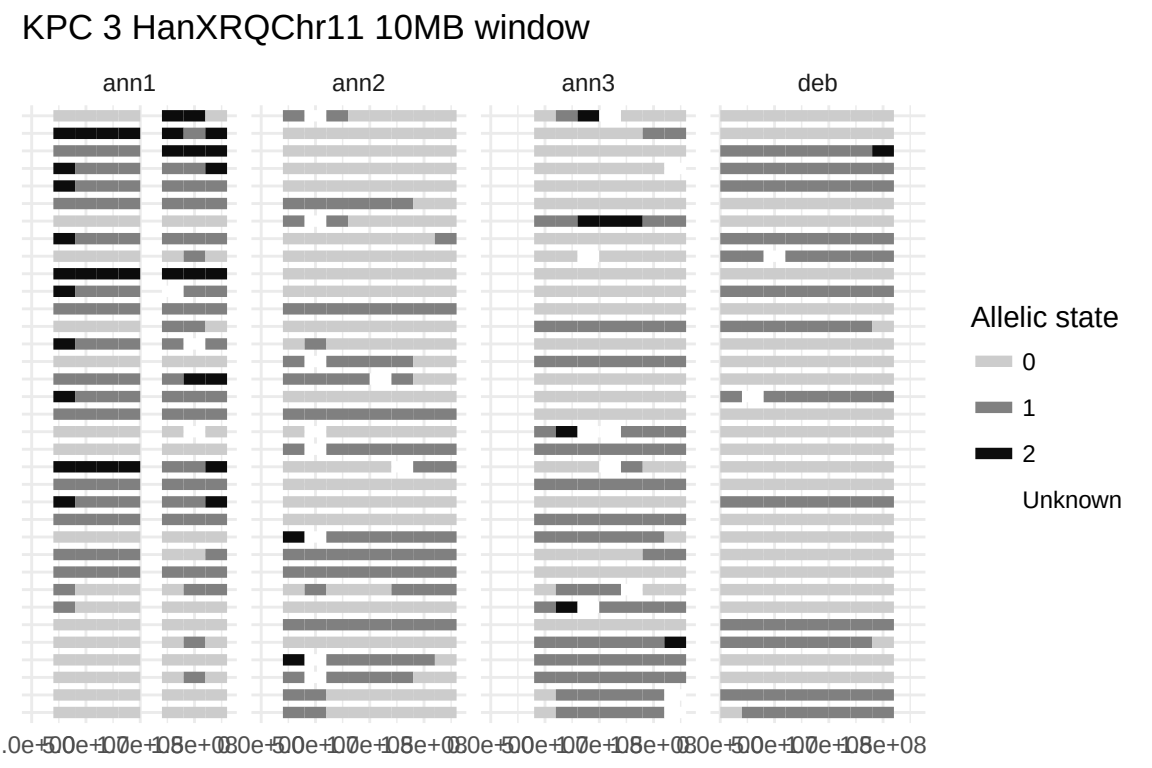
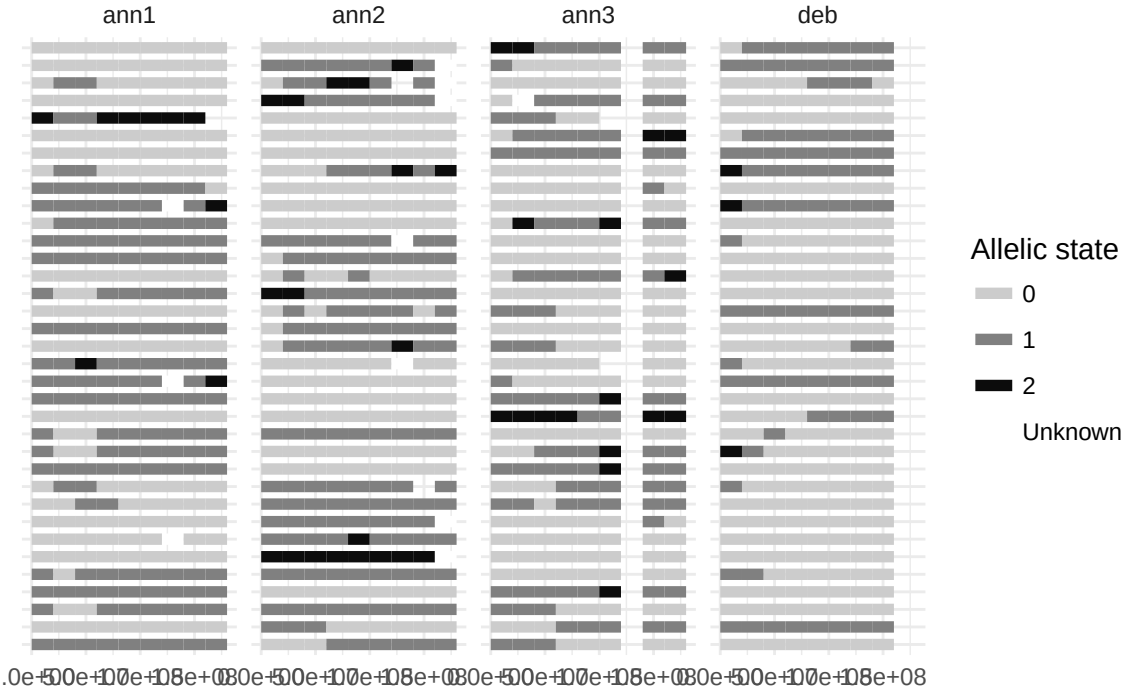



KPC 3 HanXRQChr11 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

KPC 3 HanXRQChr12 10MB window



KPC 3 HanXRQChr13 10MB window
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ann2
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ann2
ann3
deb
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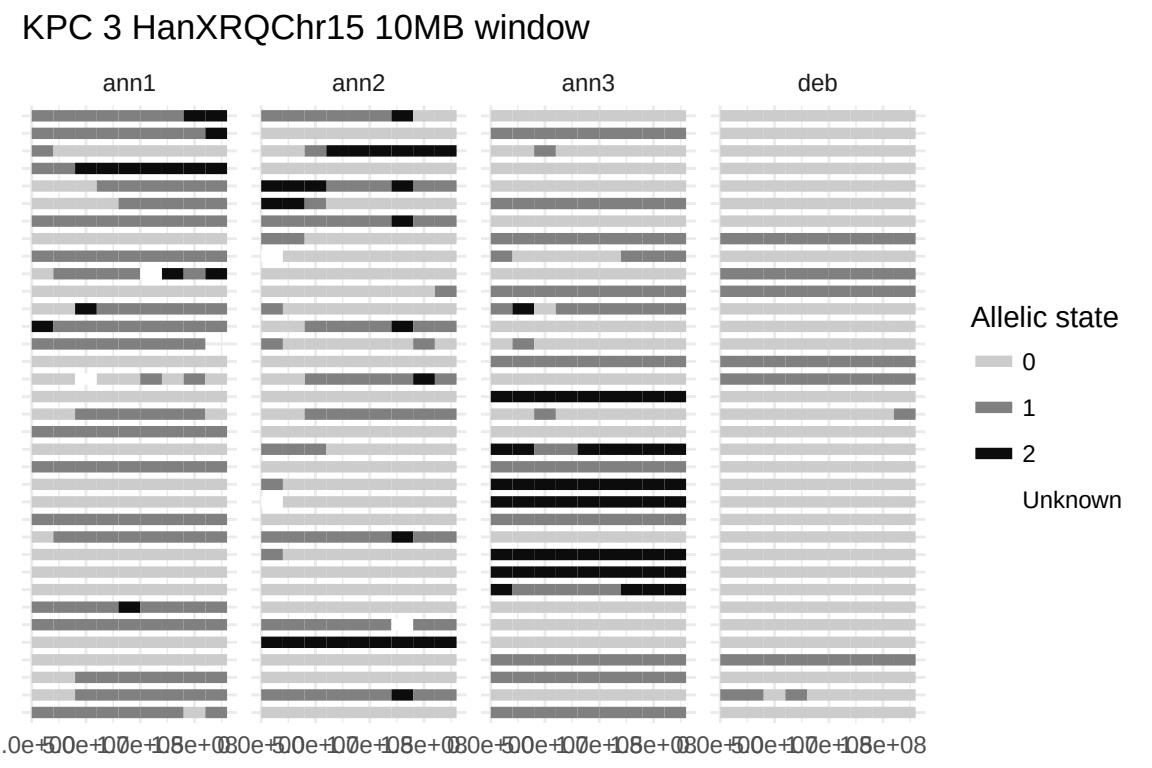
1
2
Unknown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2
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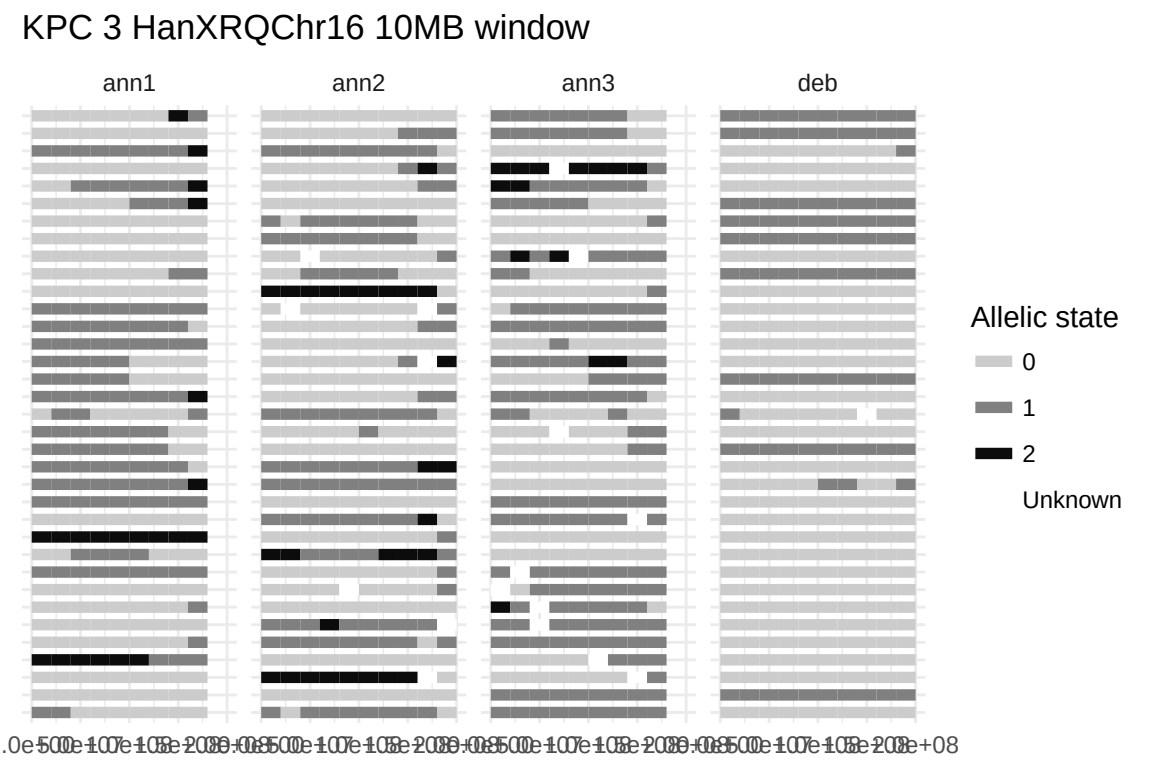
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ann3
deb
Allelic state
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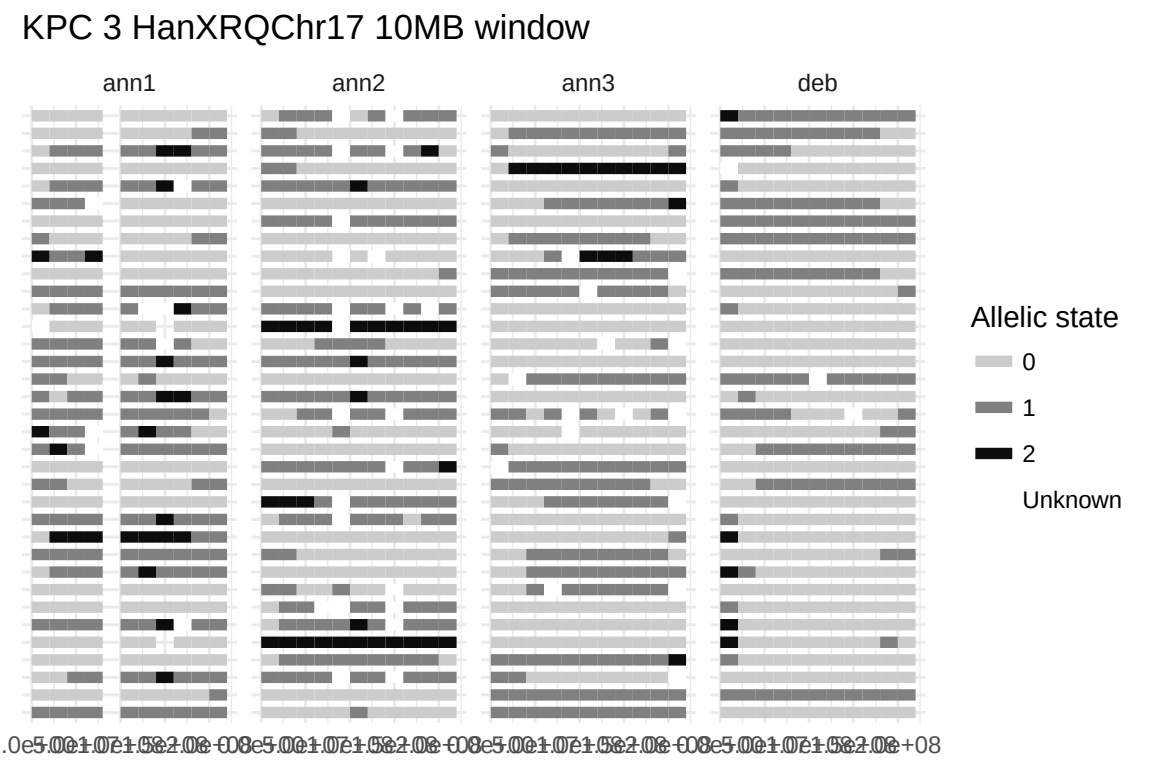
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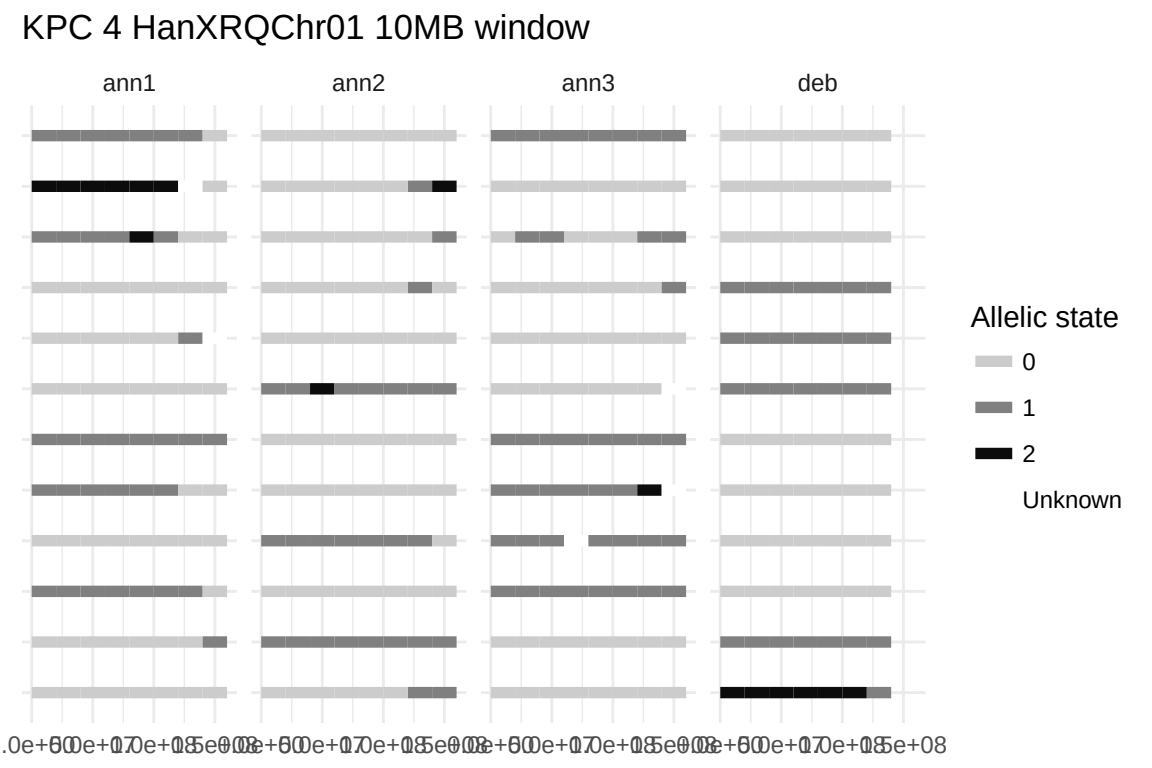
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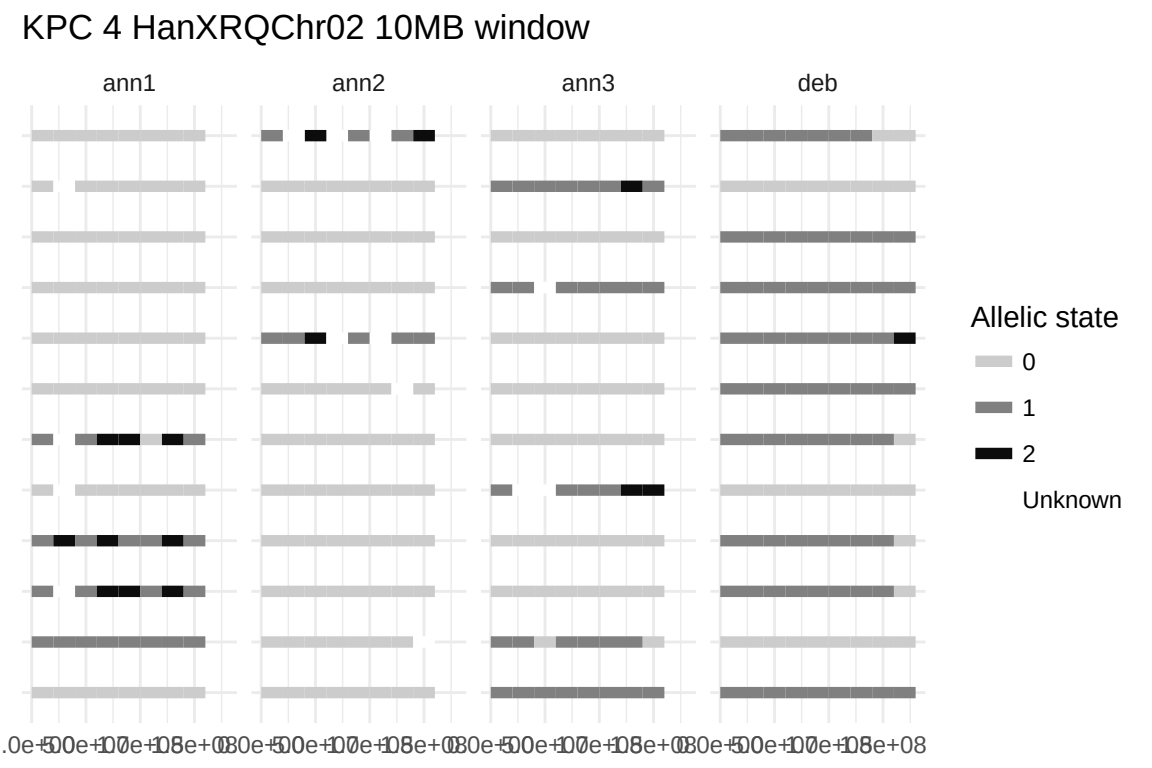
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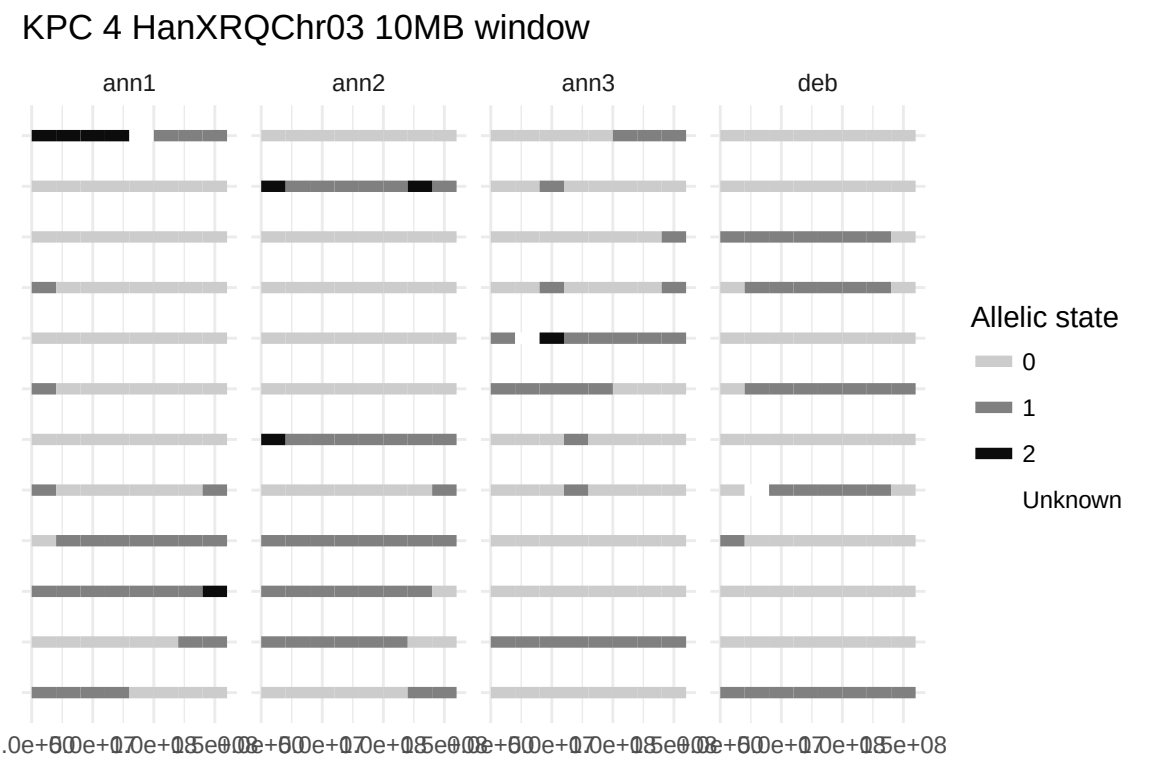
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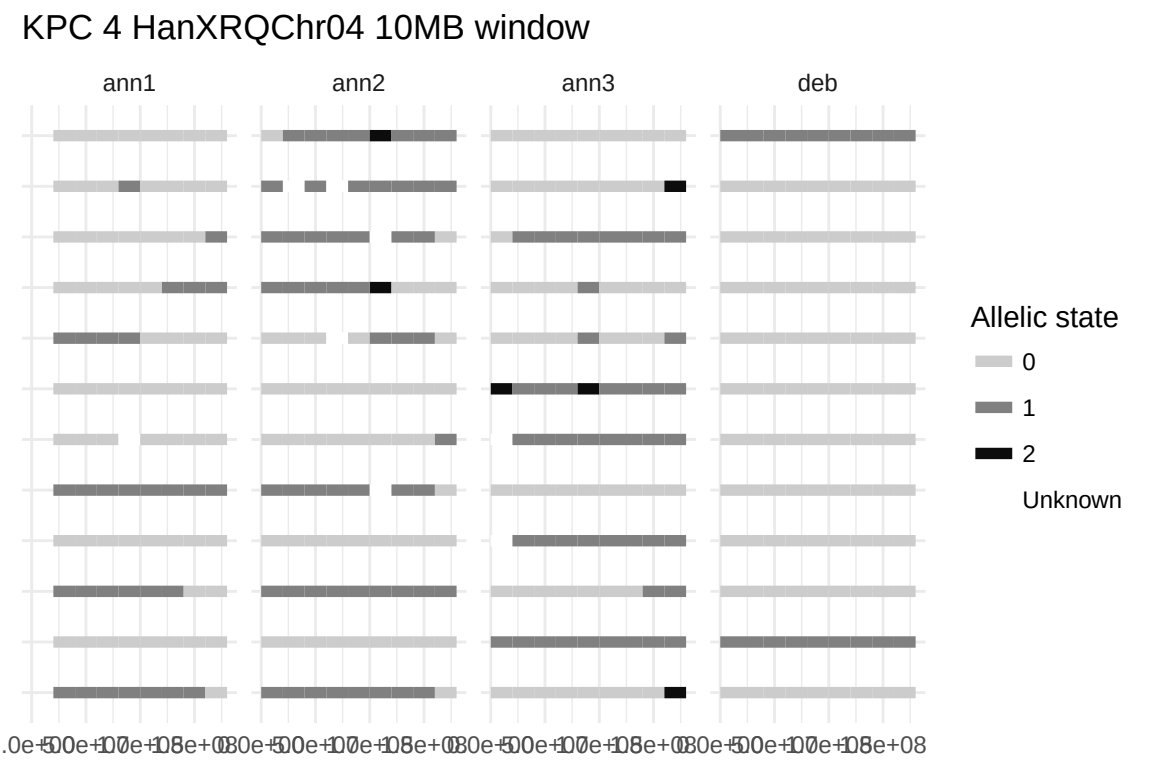
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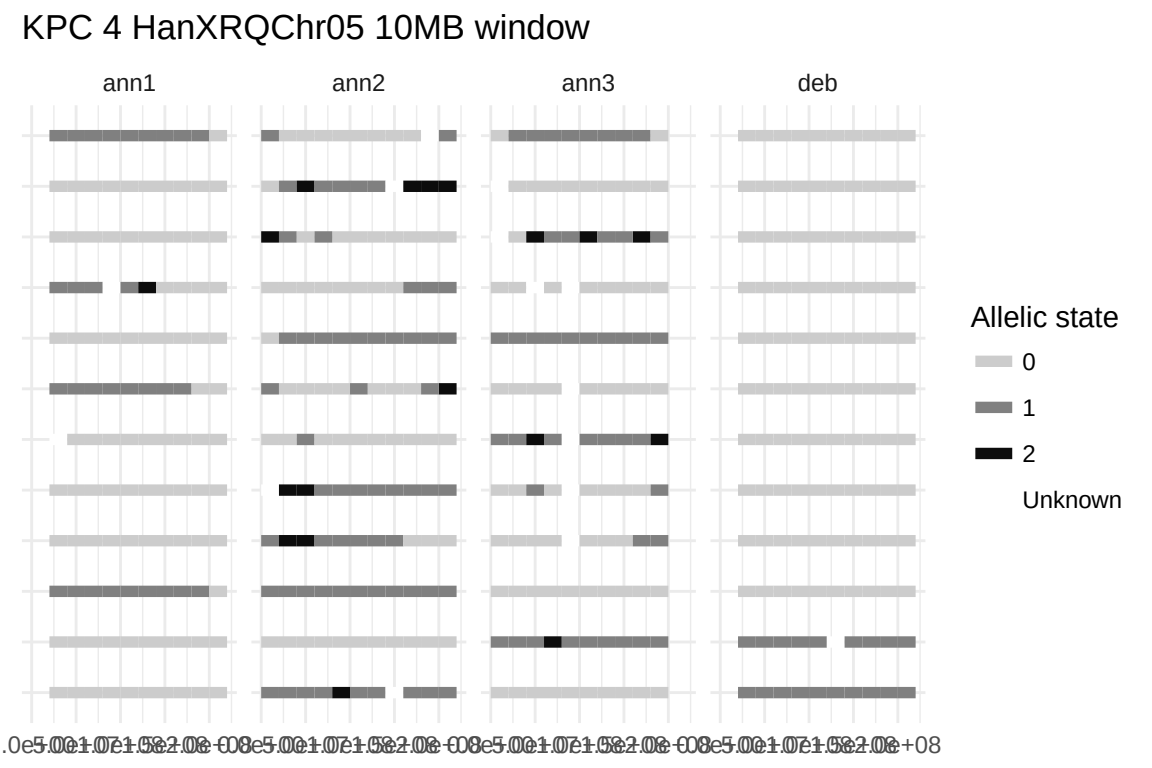
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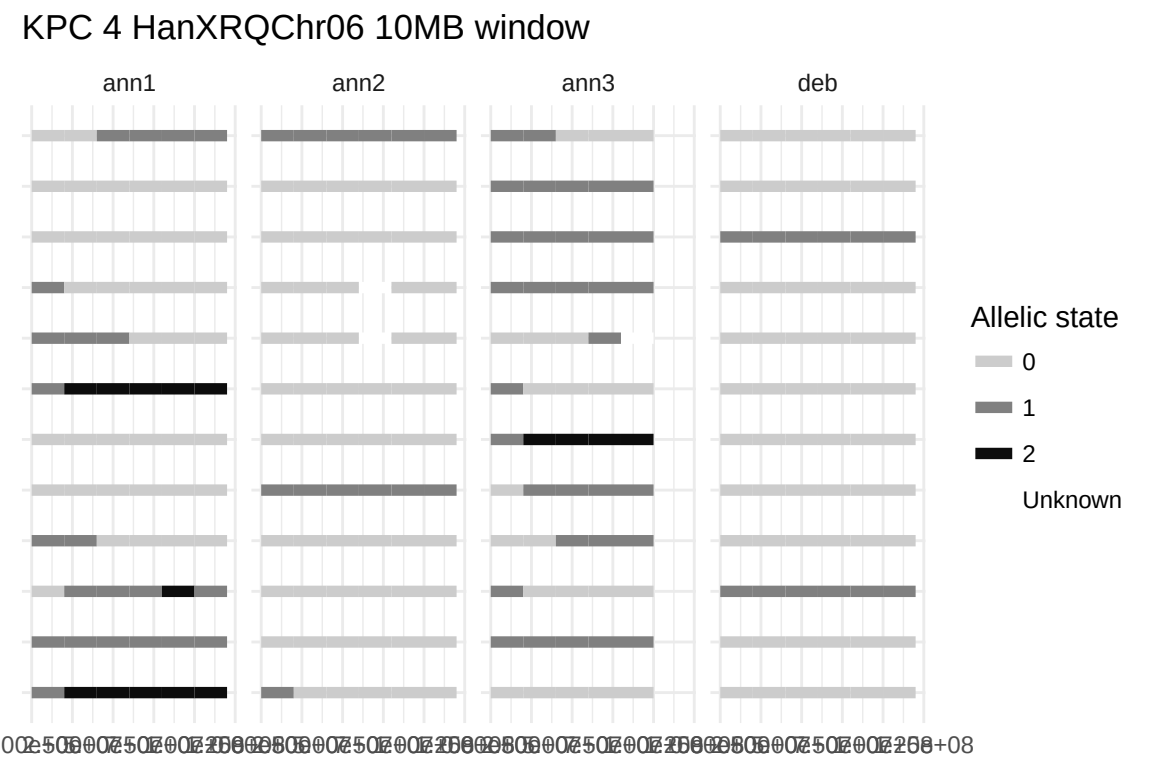
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KPC 4 HanXRQChr07 10MB window
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2
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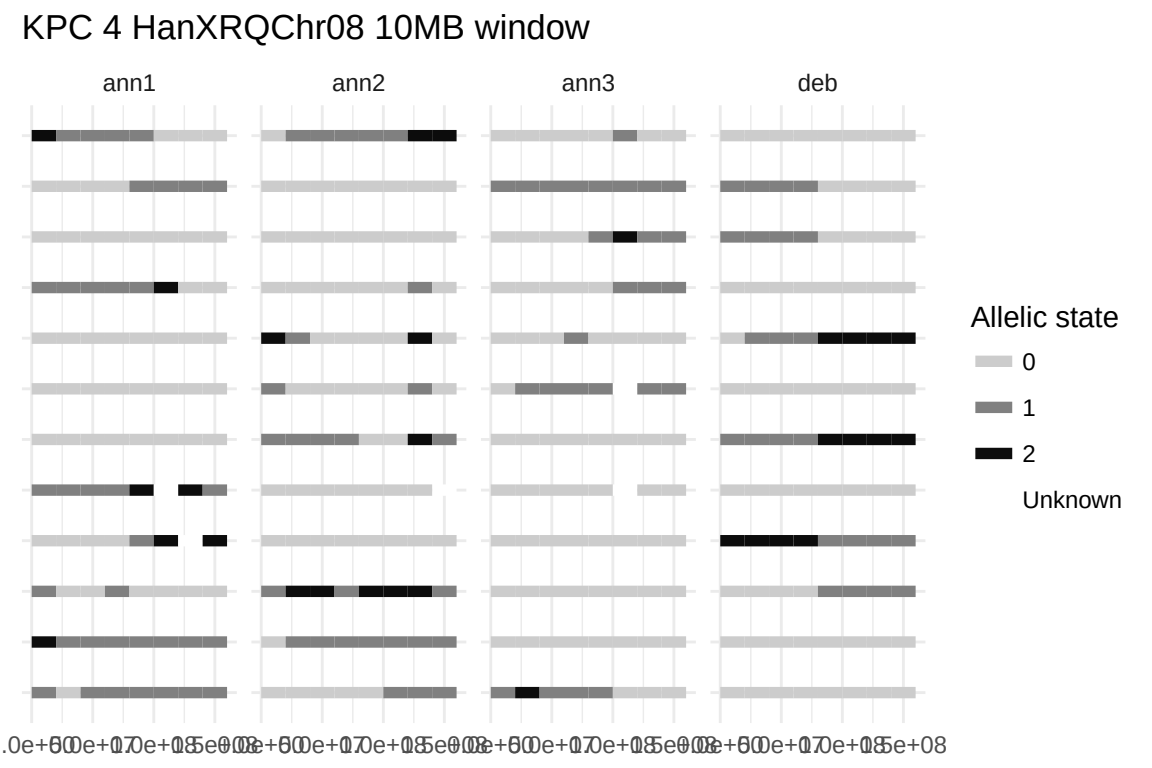
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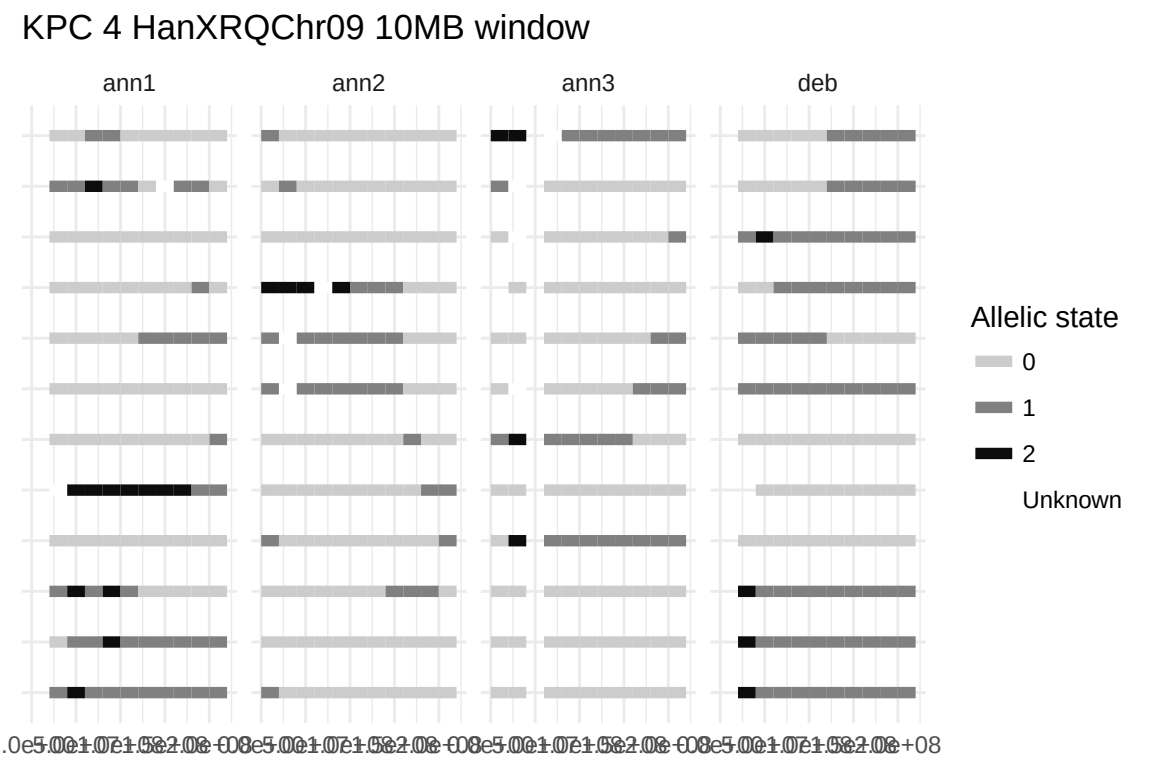
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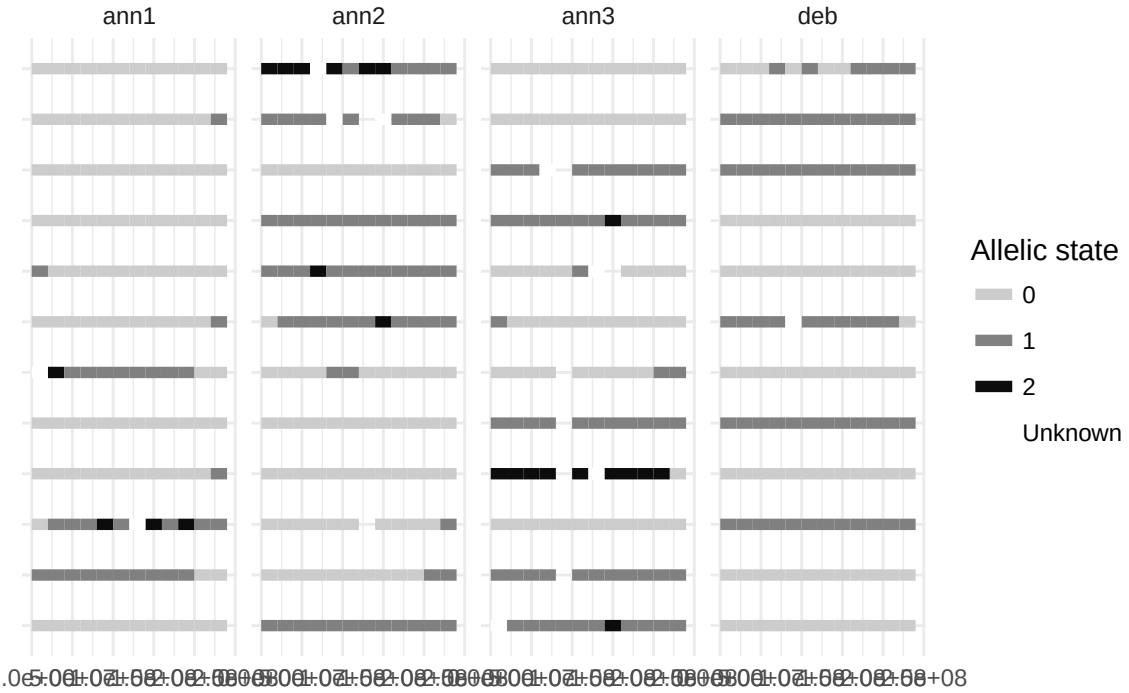

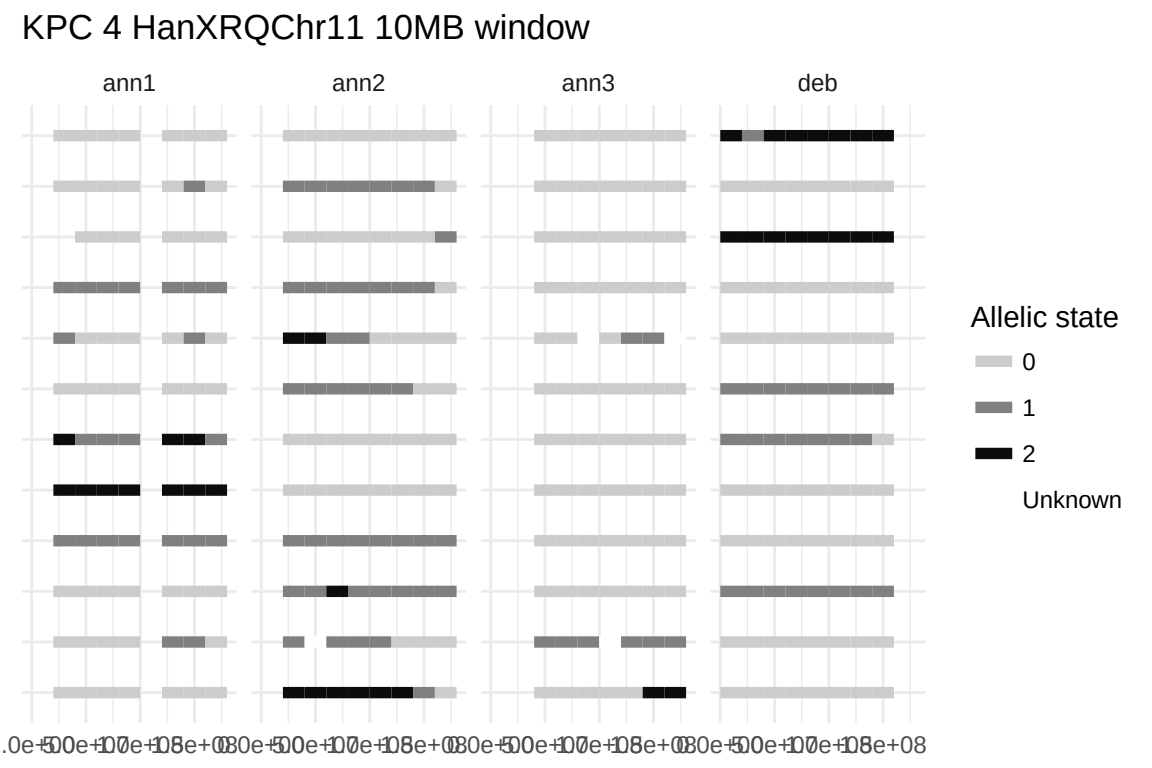
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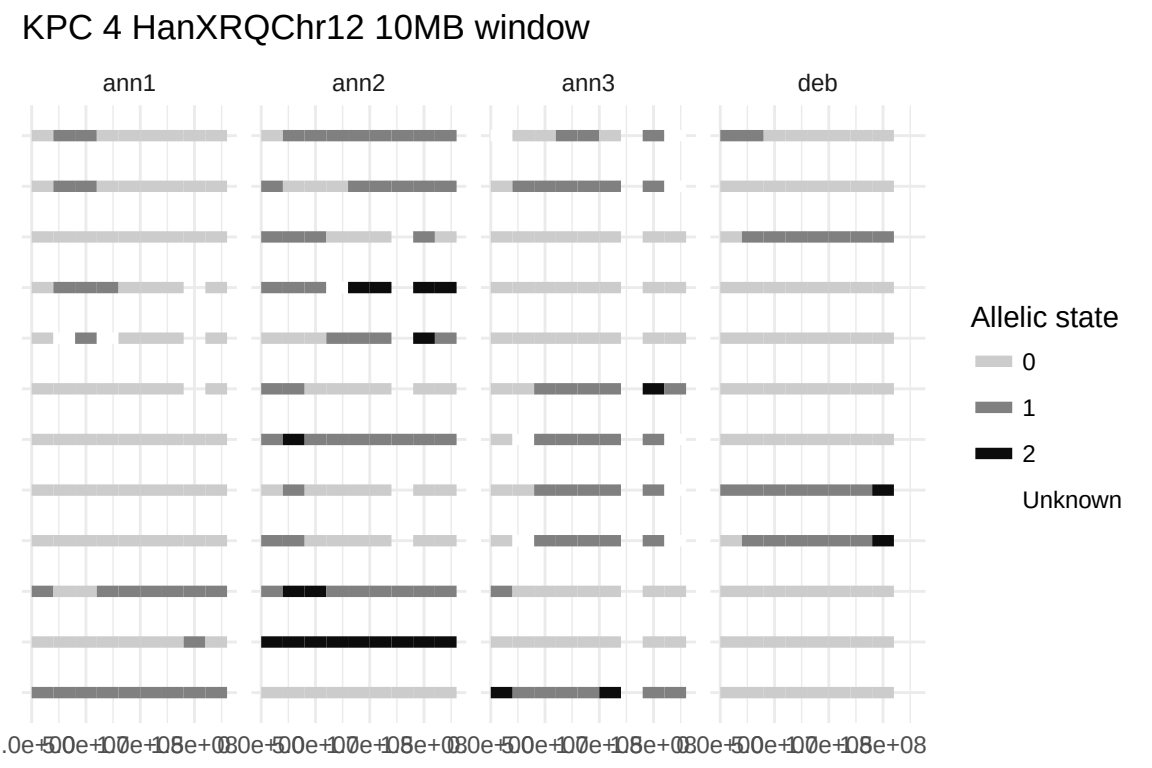
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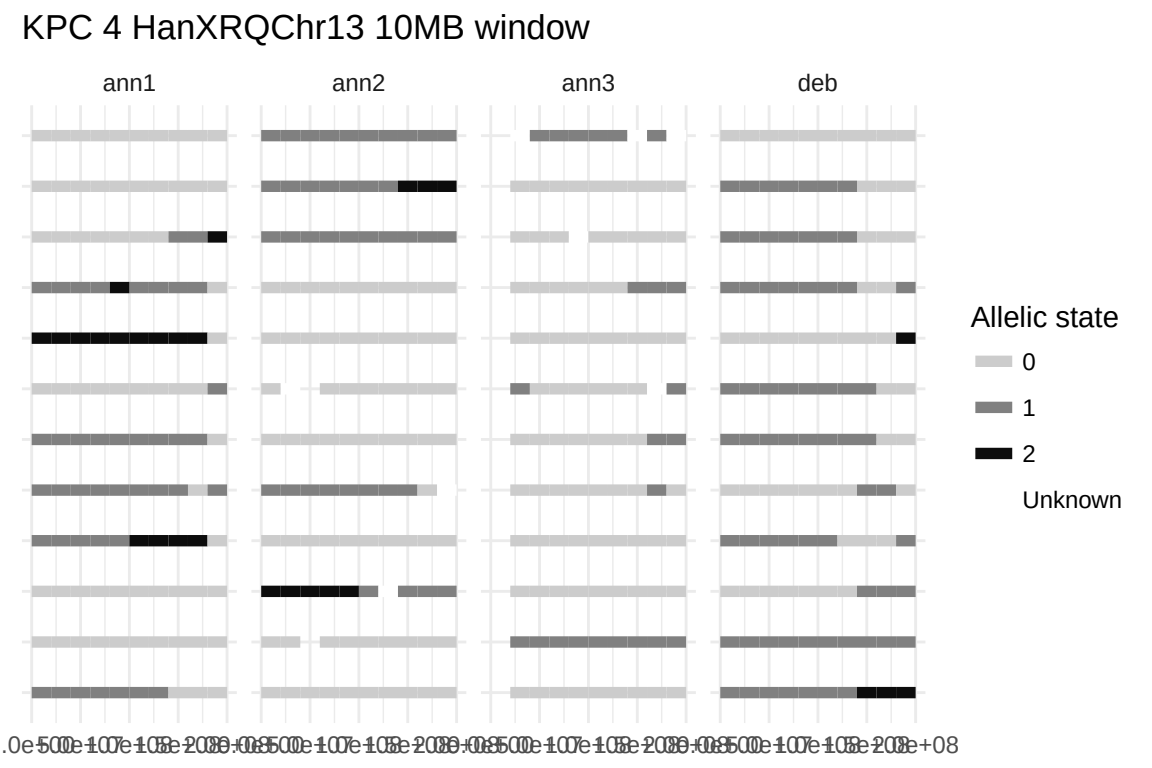
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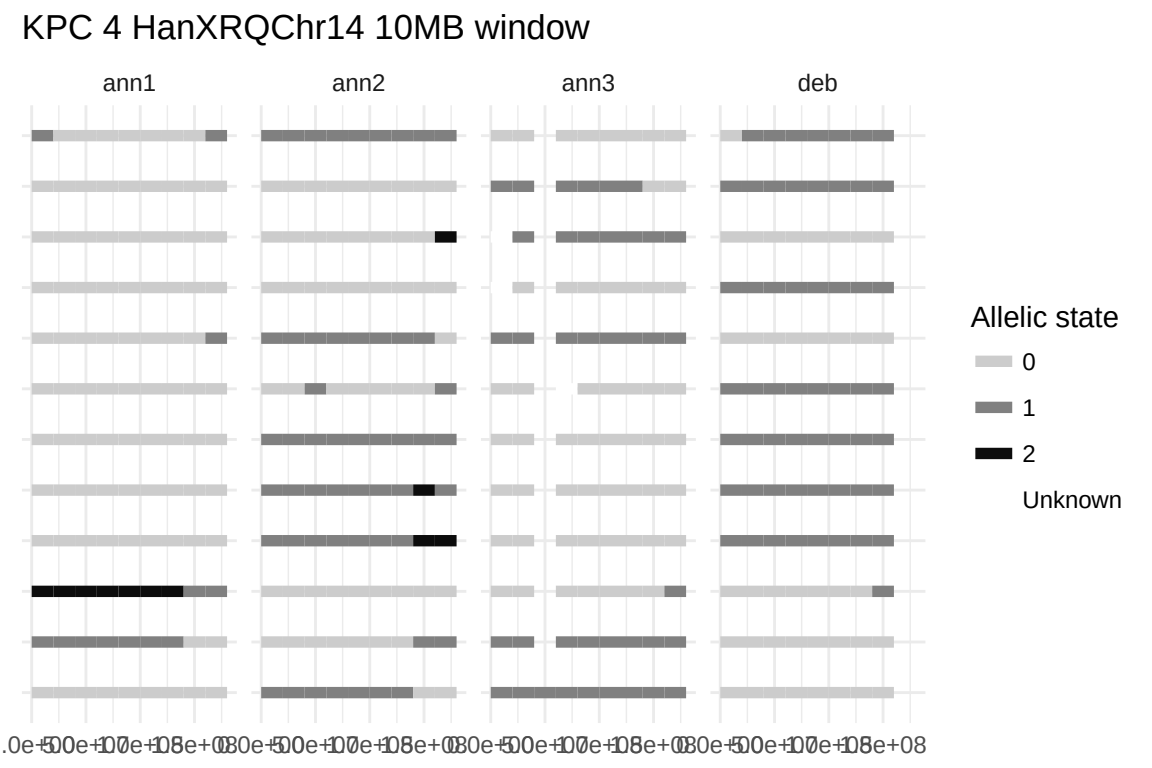
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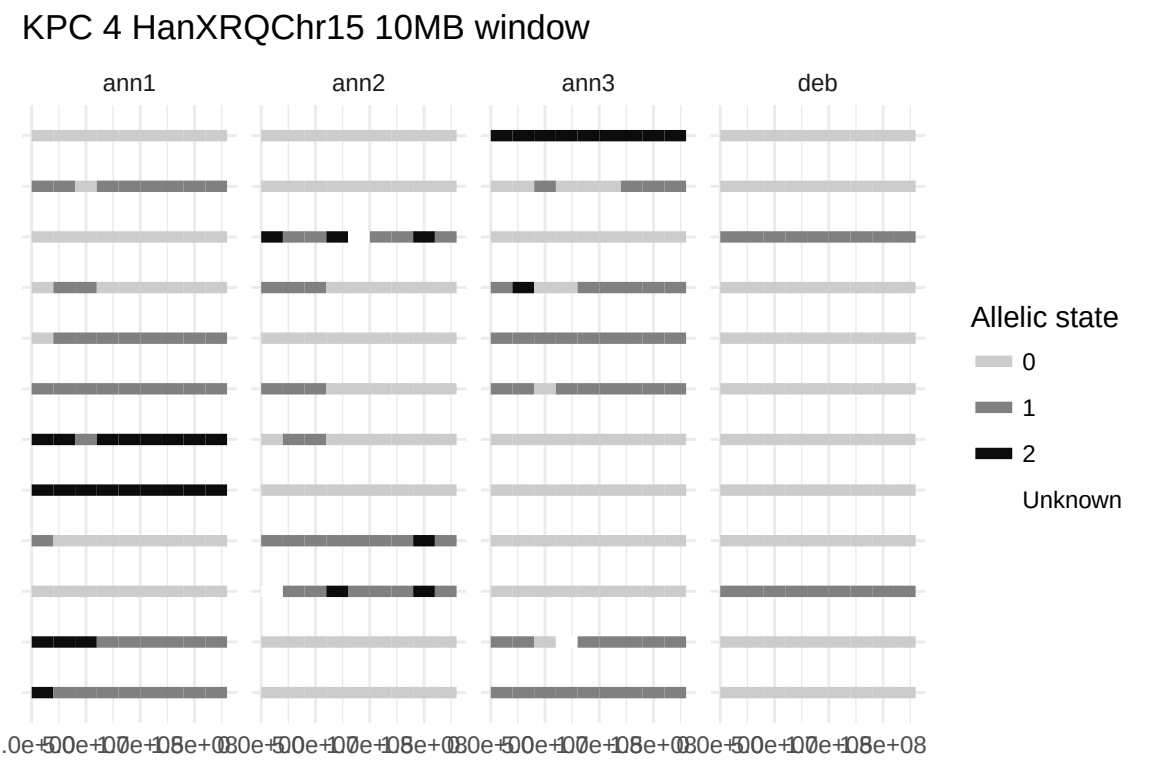
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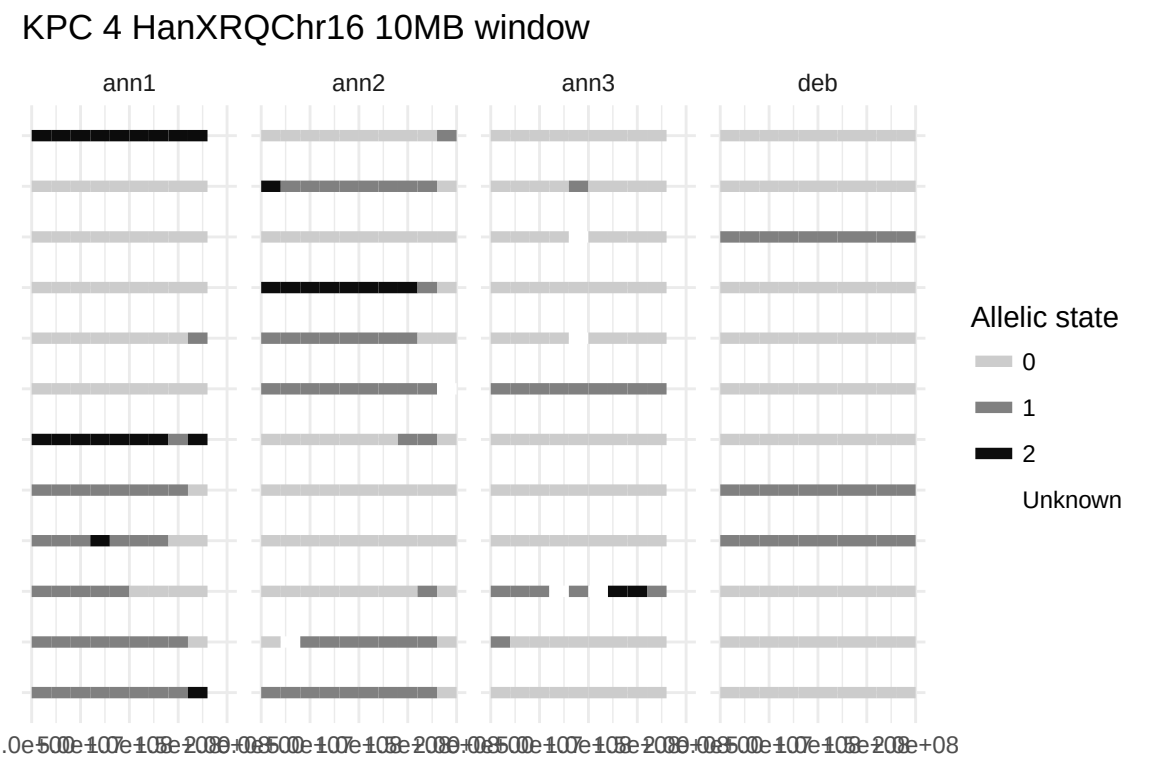
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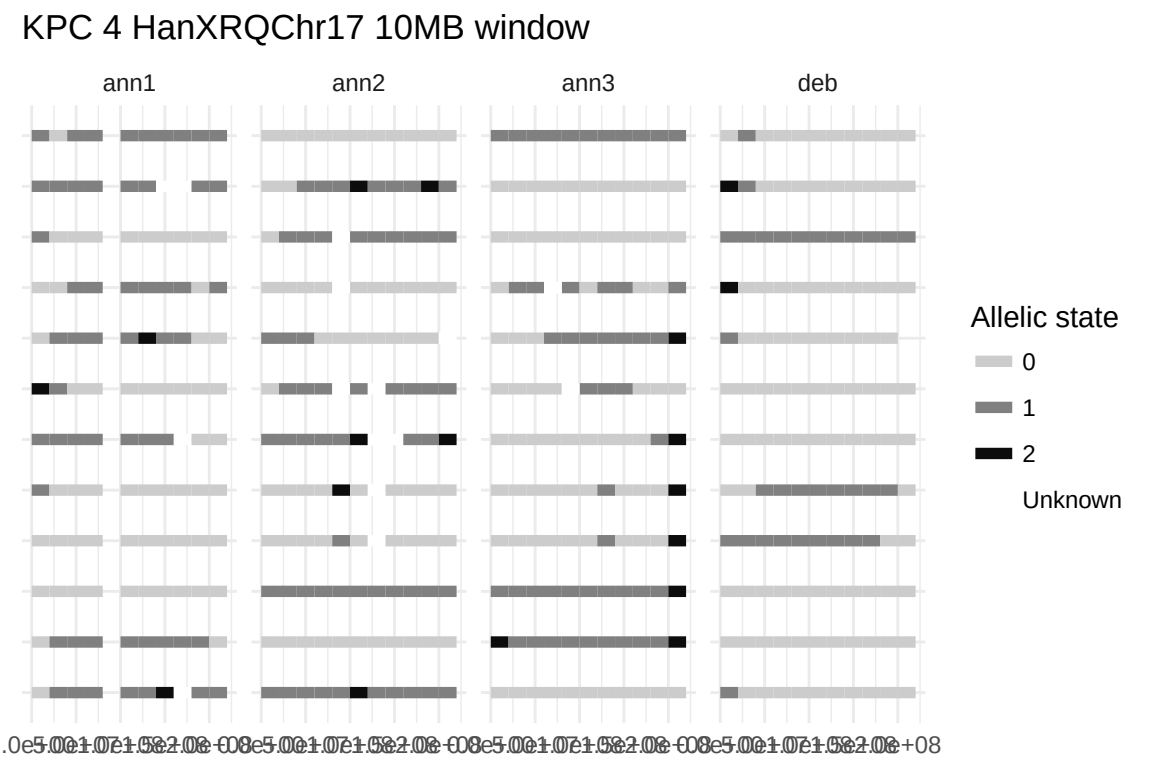
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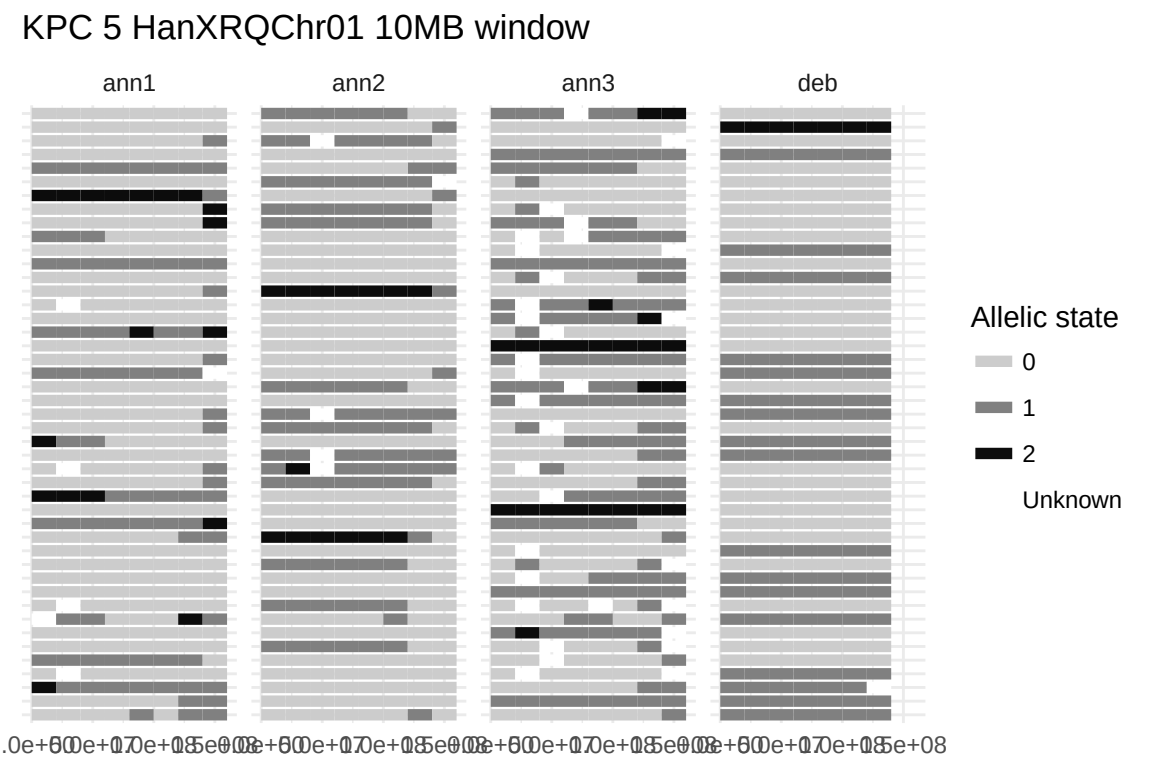
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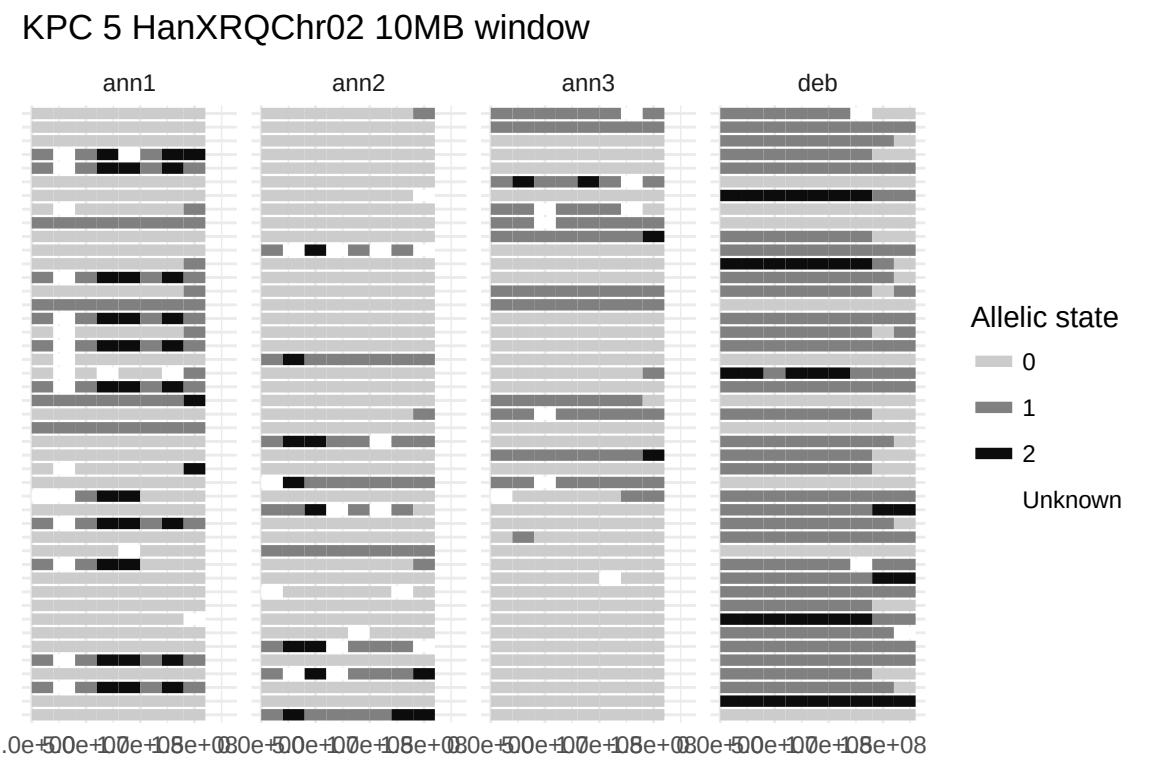
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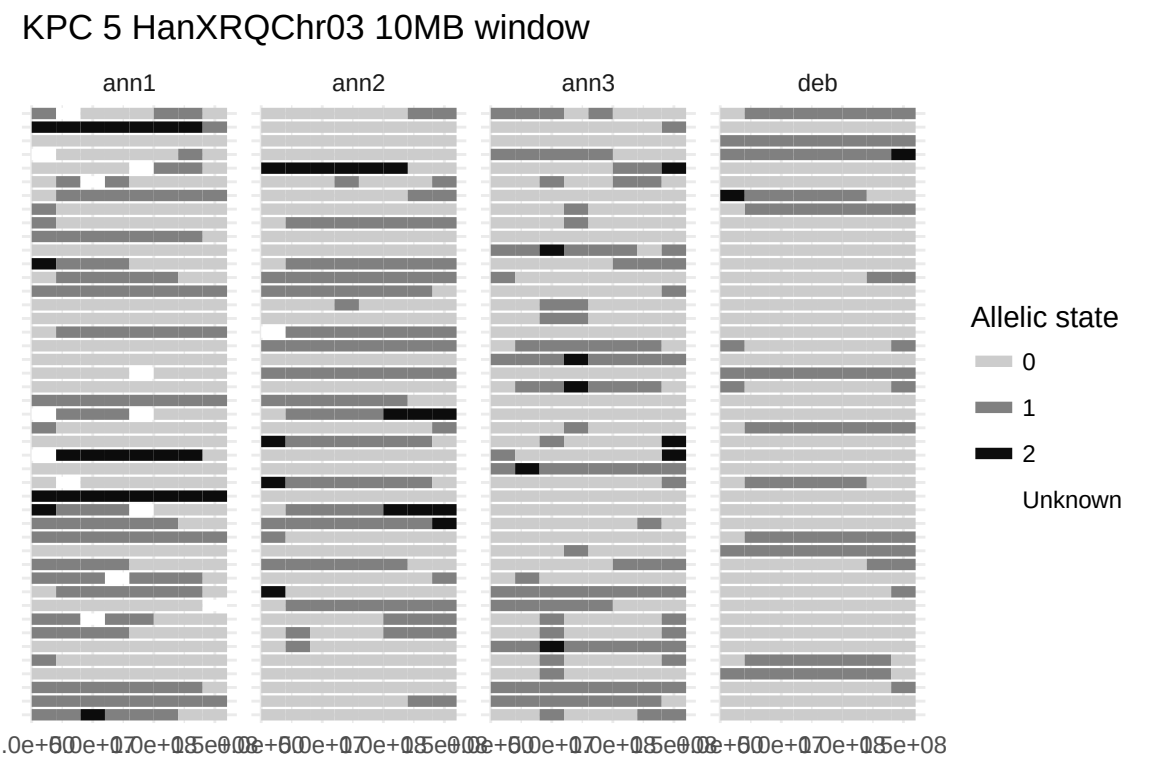
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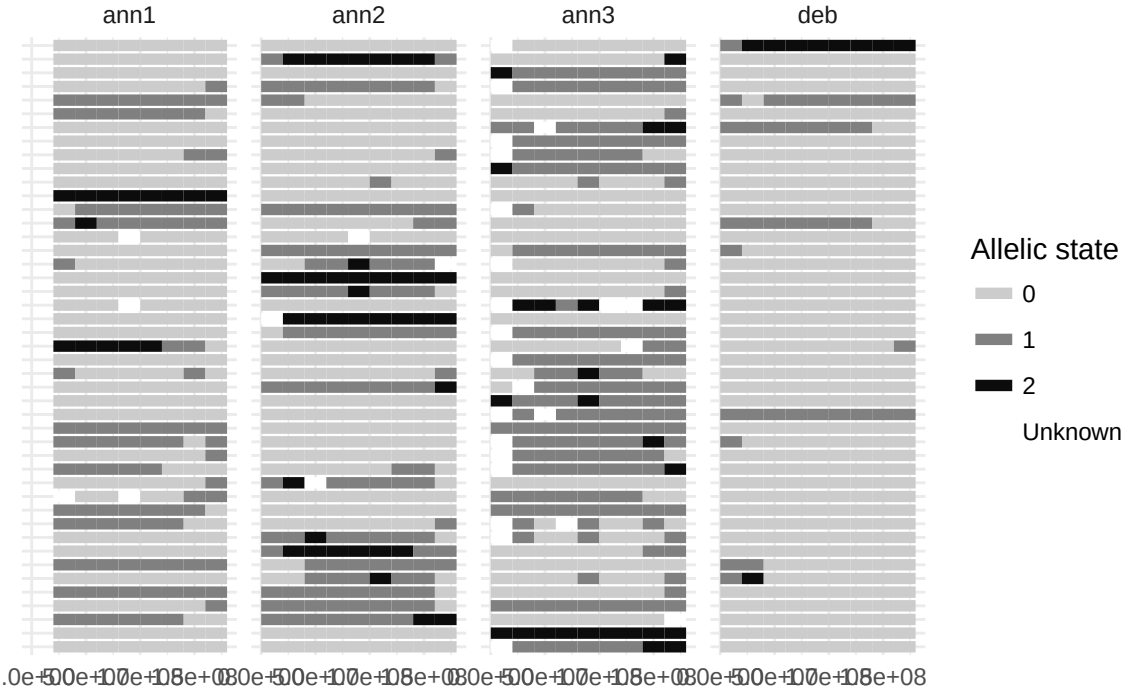

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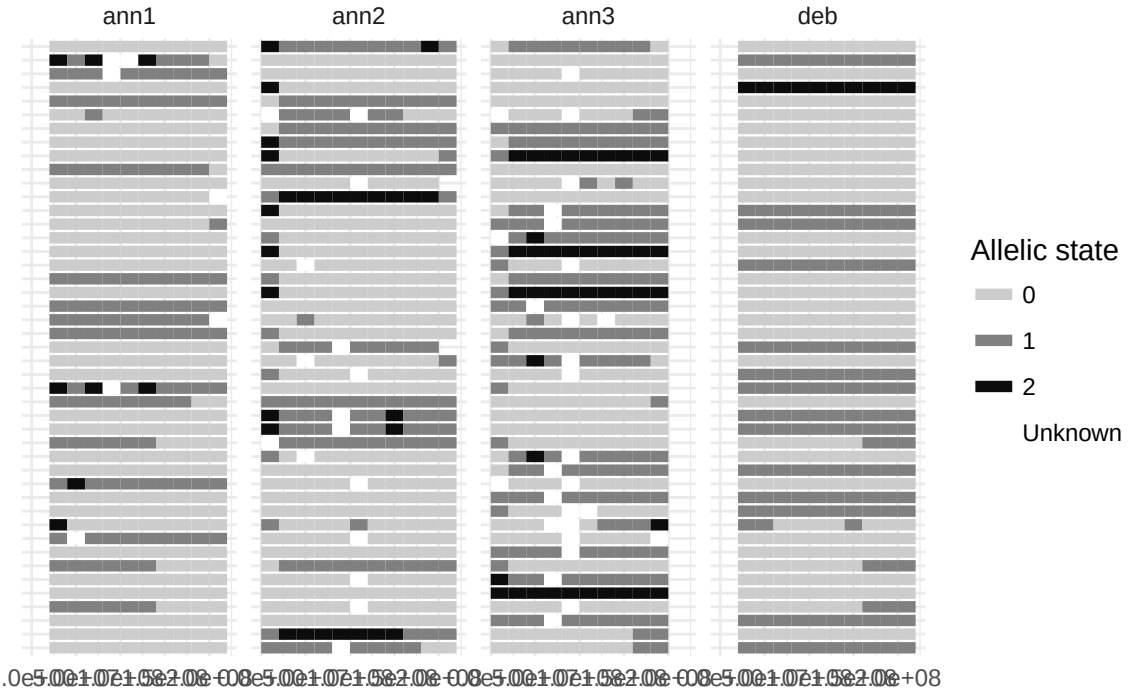

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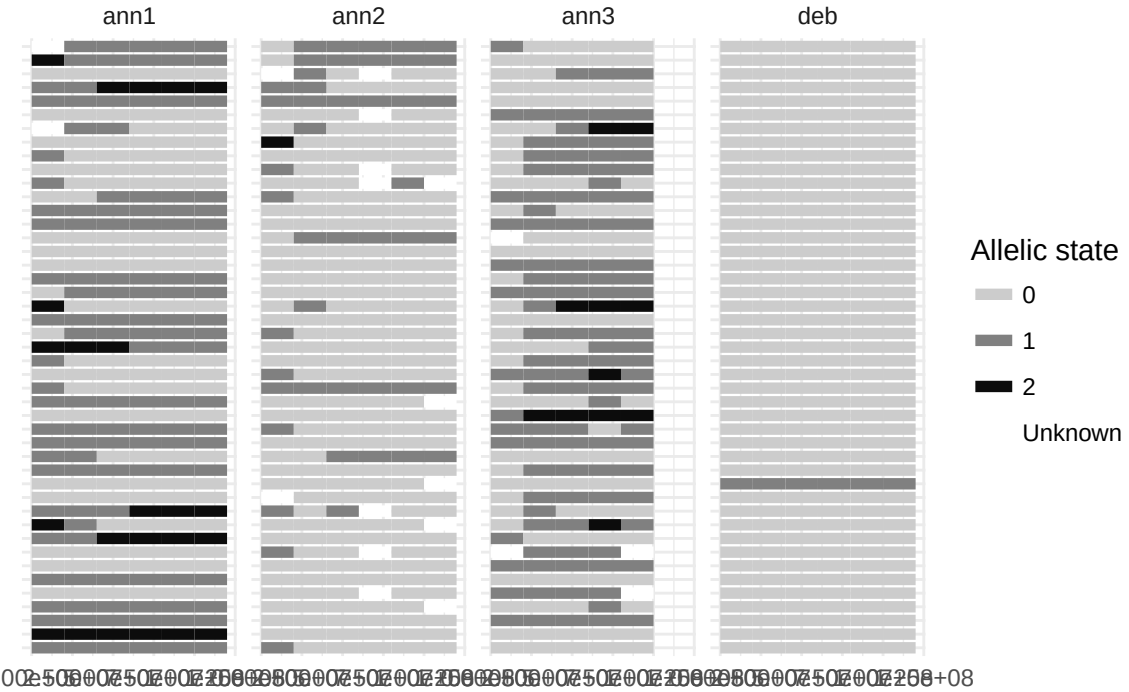

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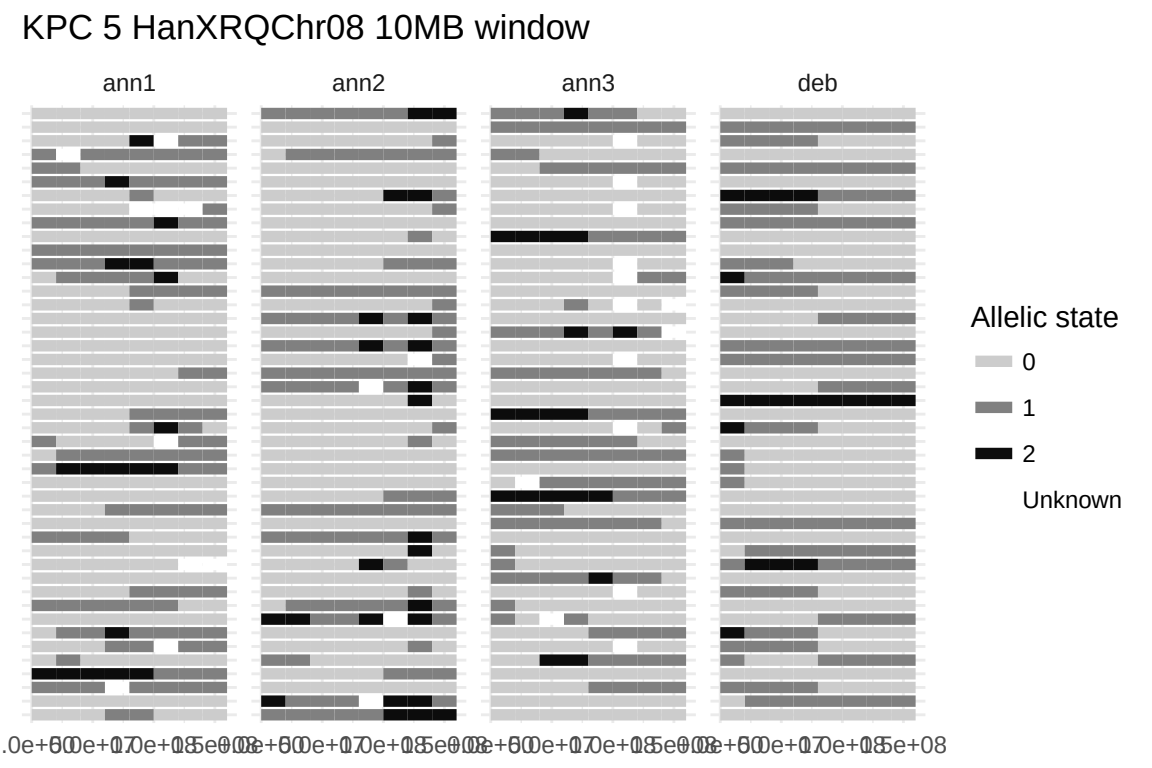
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ann3
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2
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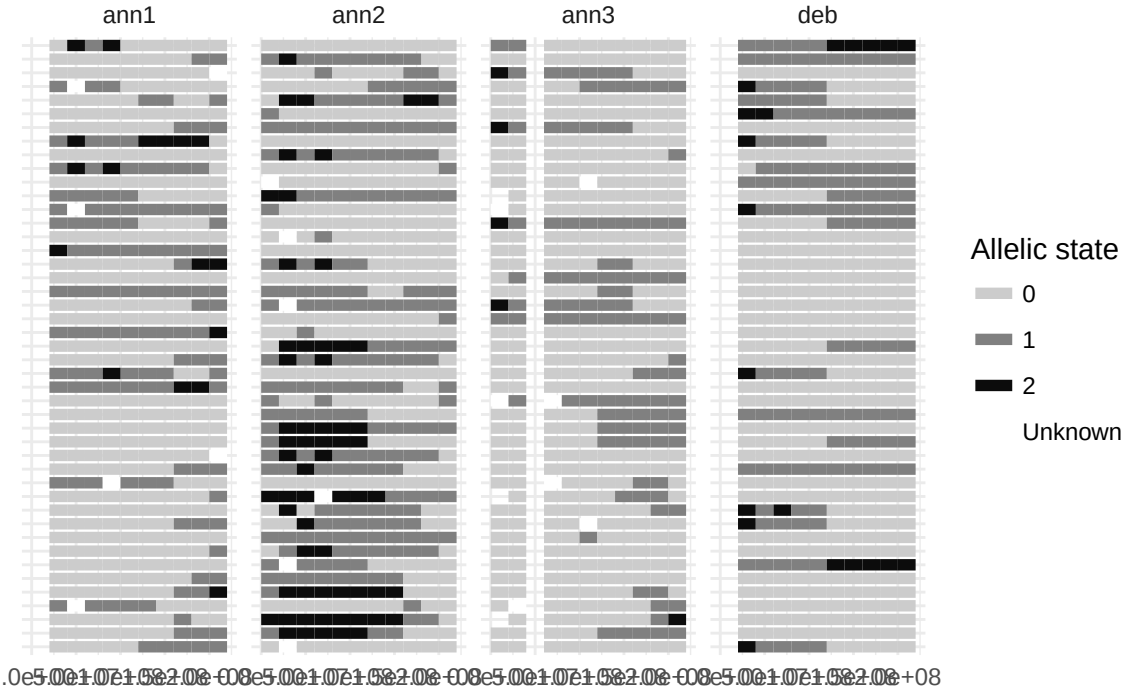
KPC 5 HanXRQChr09 10MB window



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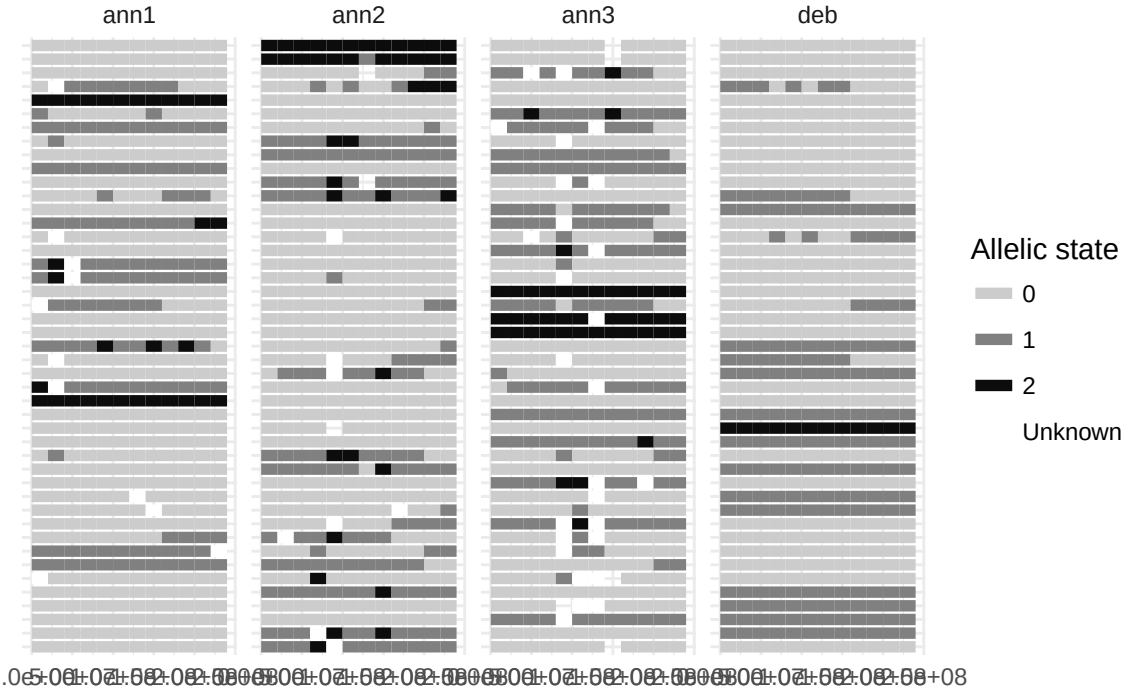

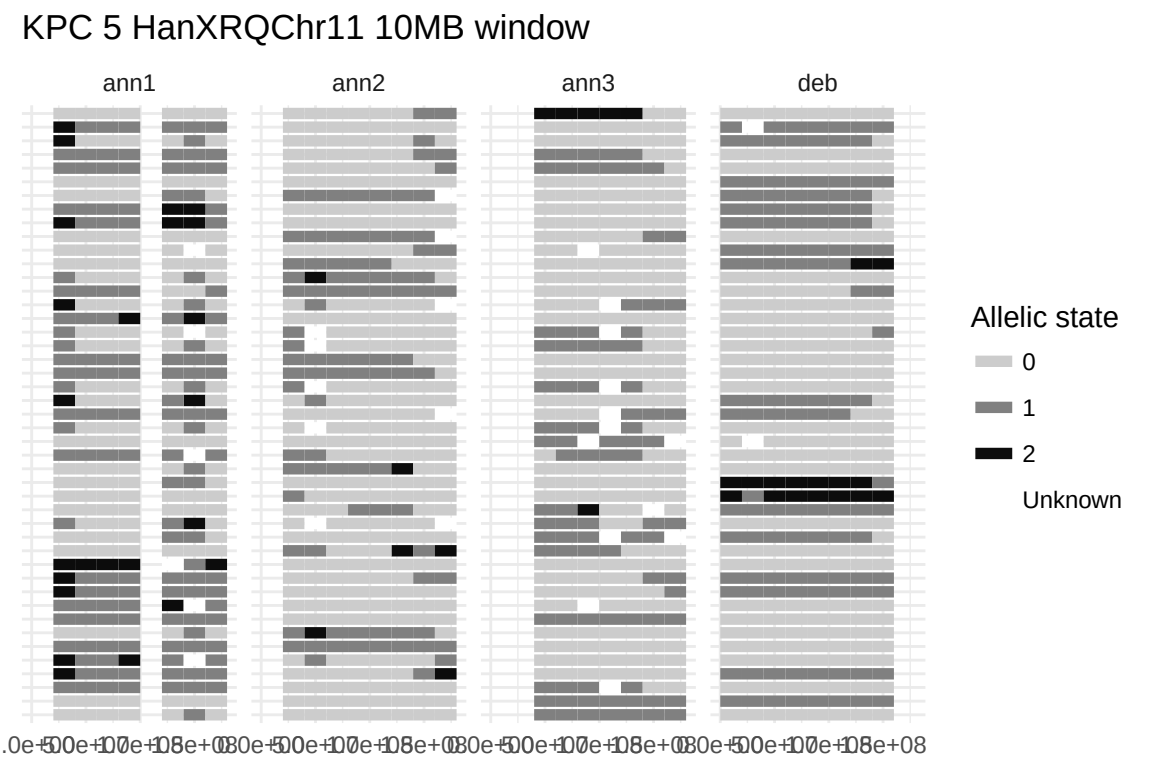
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2
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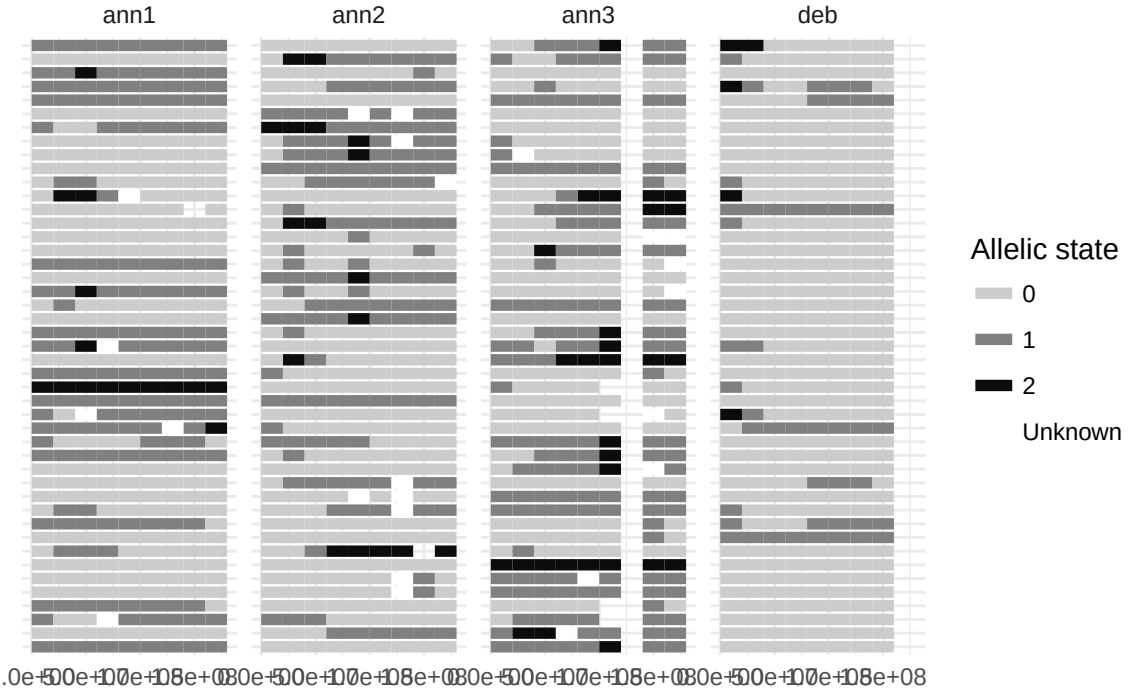

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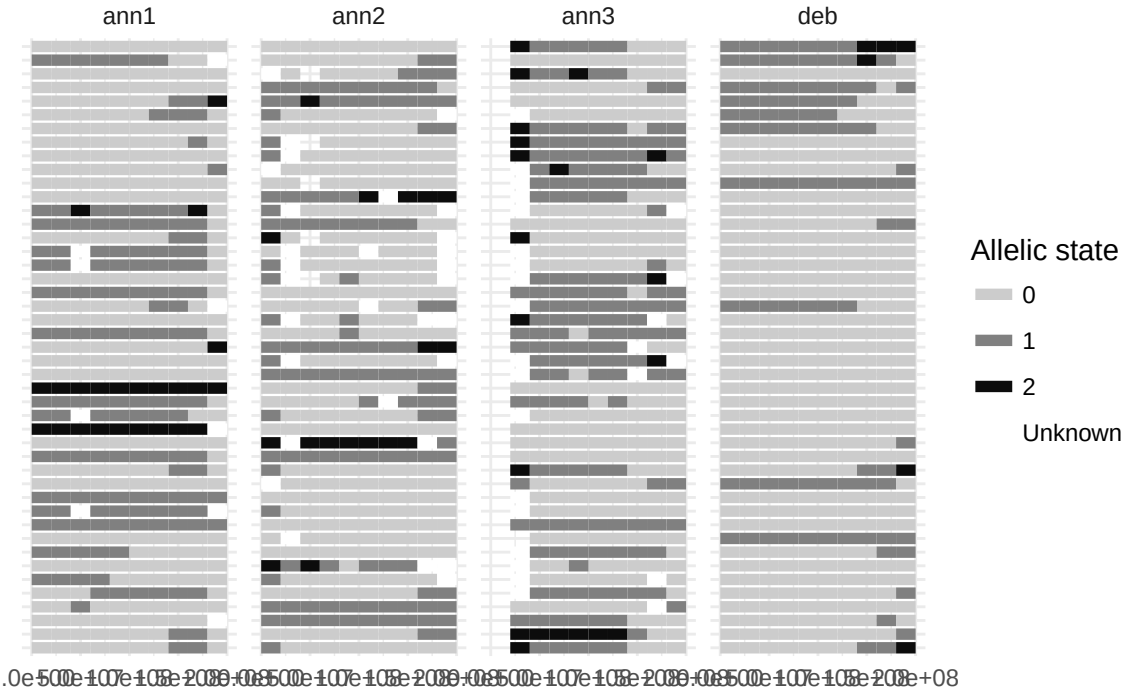

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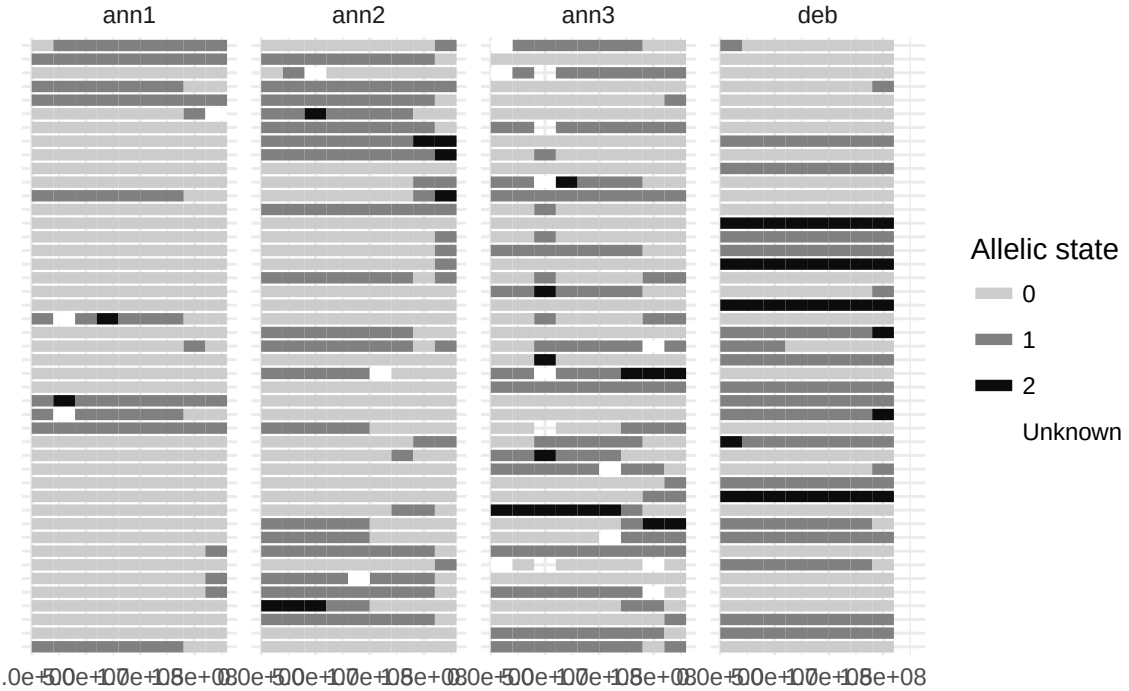

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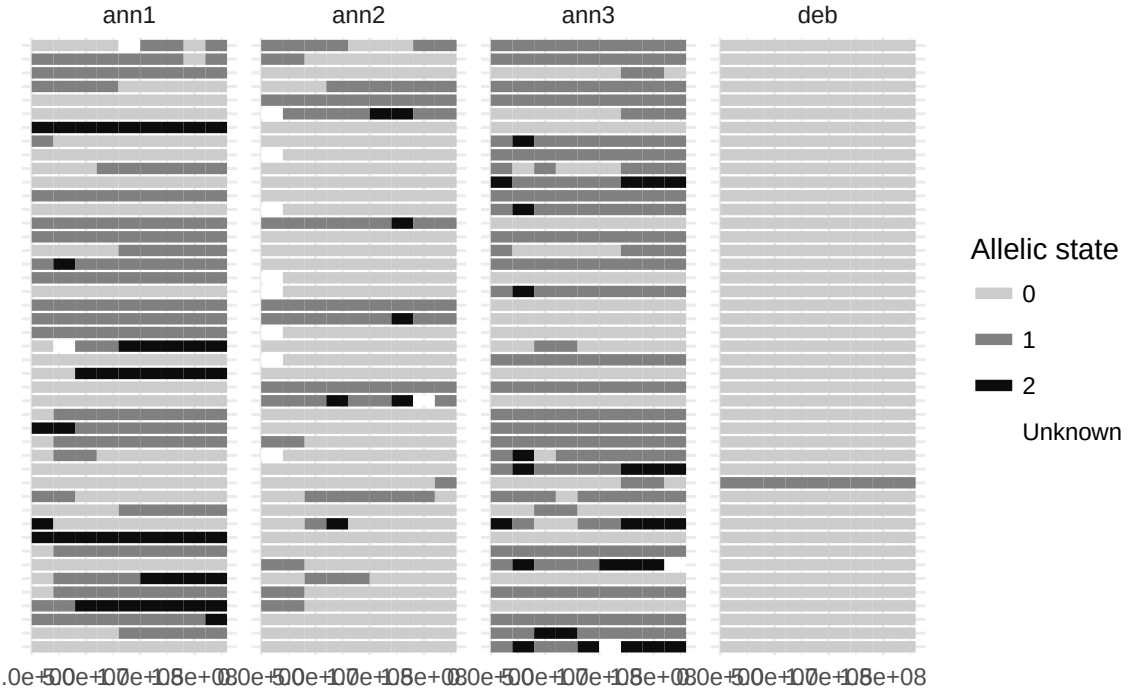

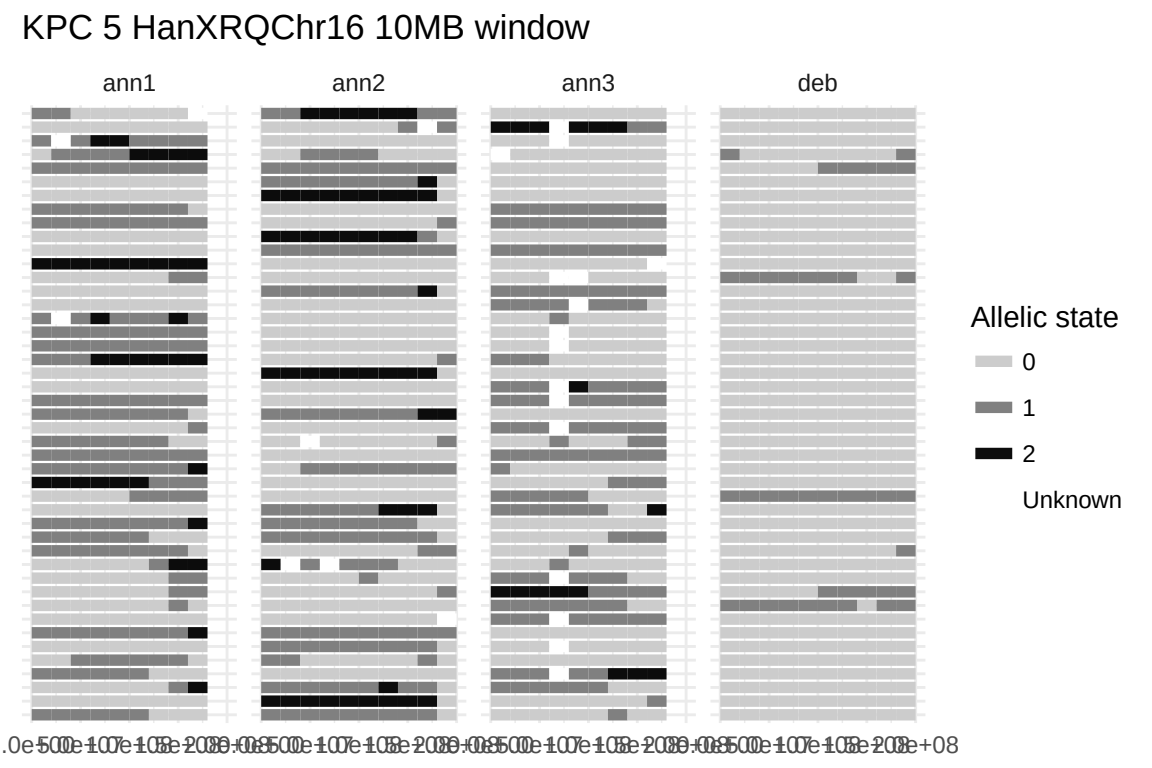
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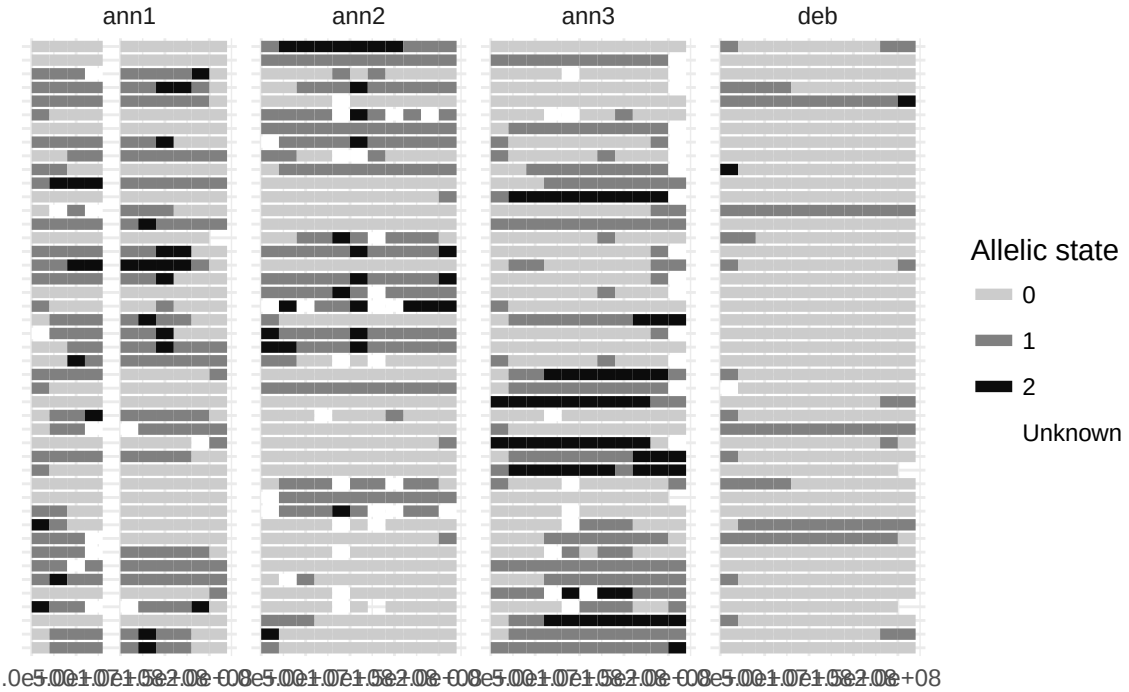
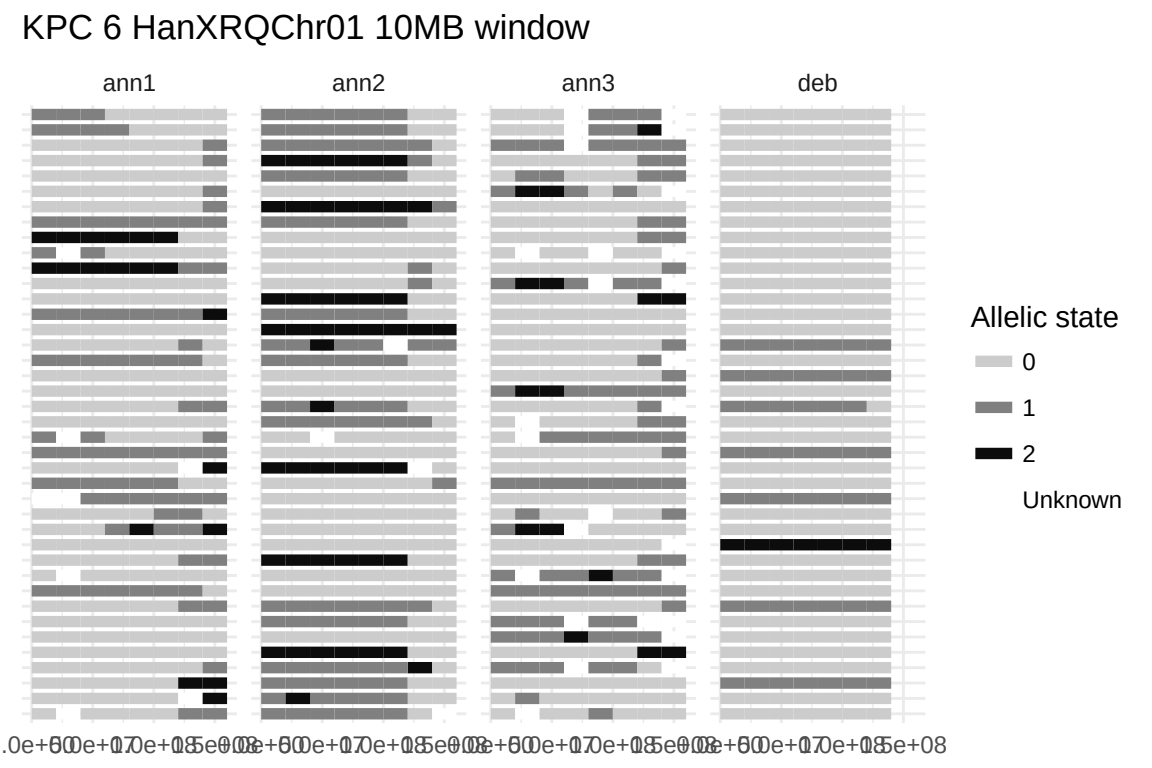
KPC 5 HanXRQChr17 10MB window

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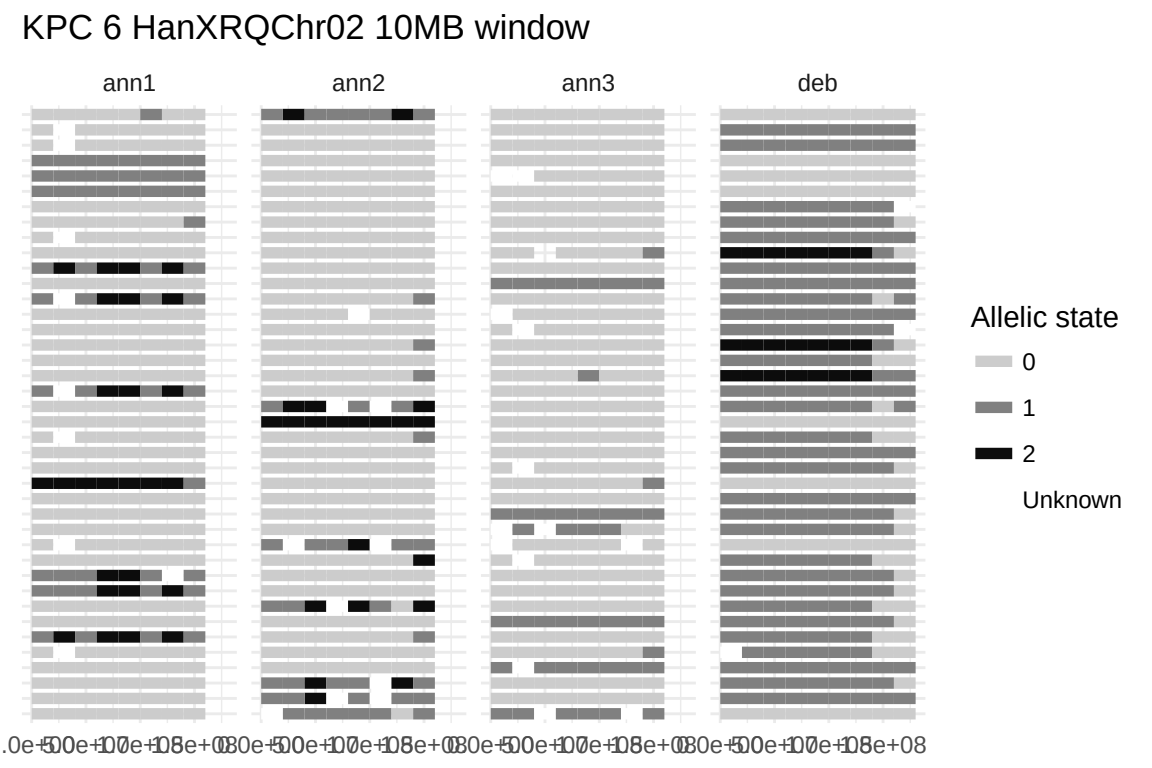
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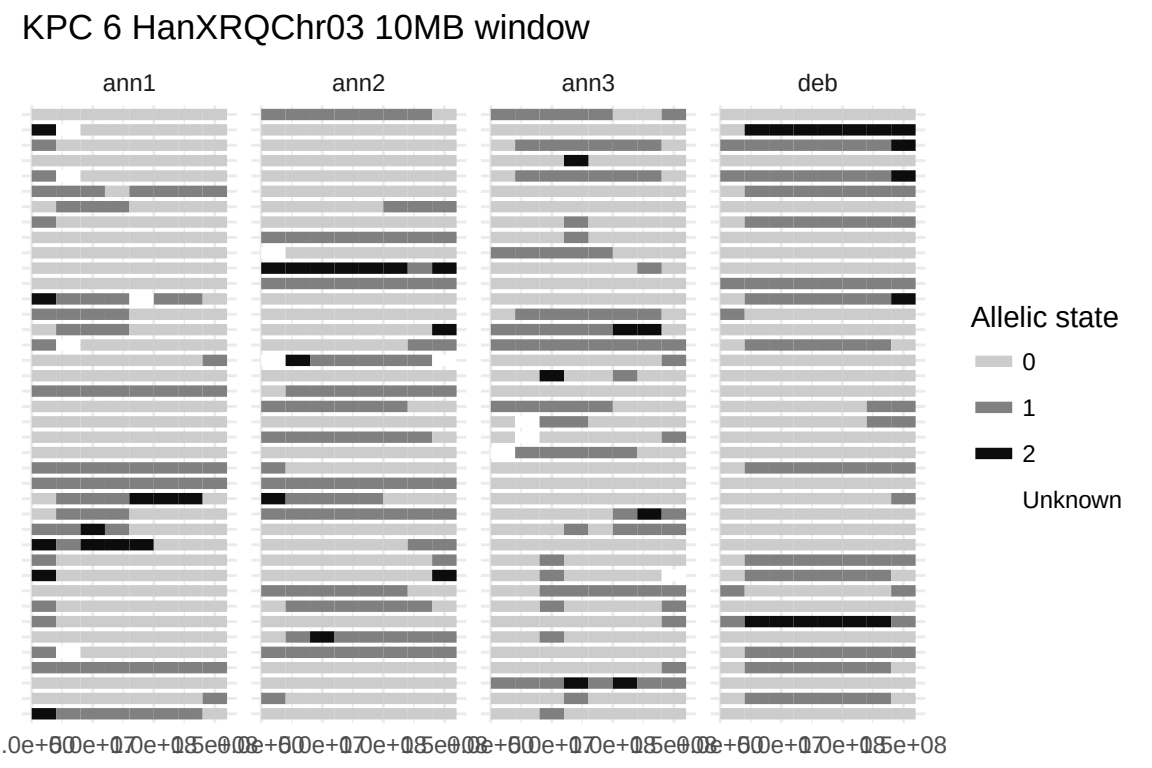
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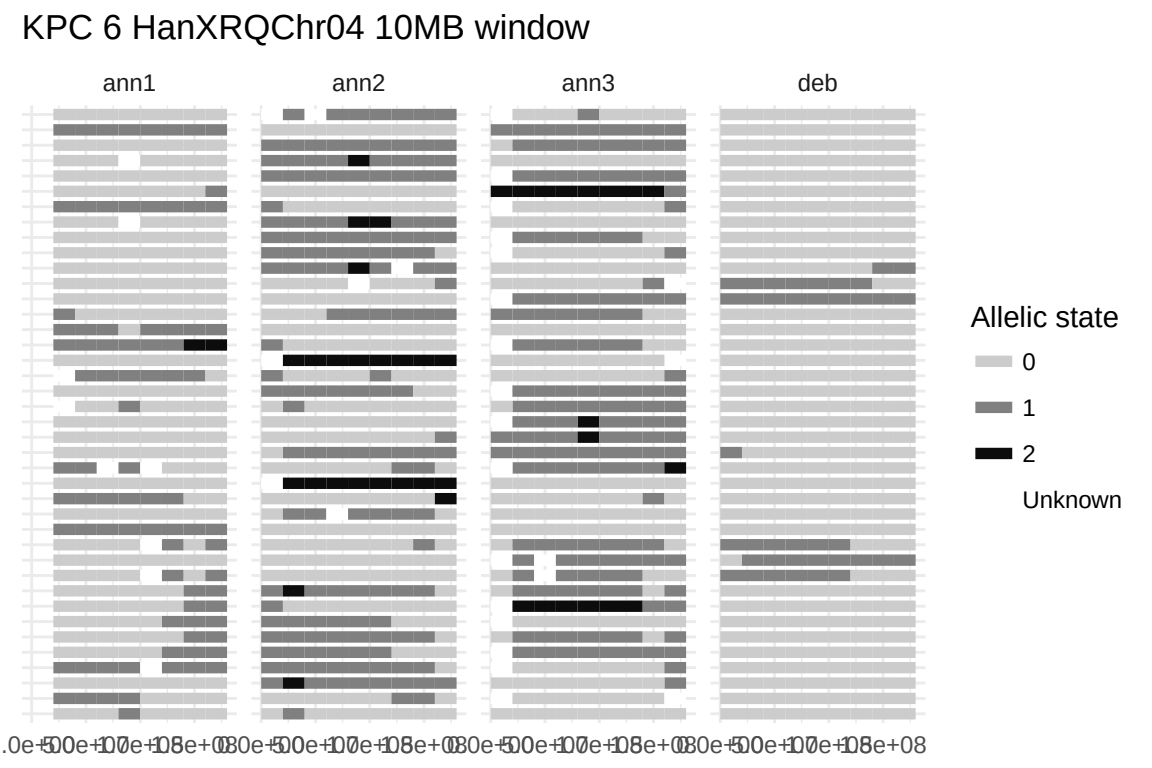
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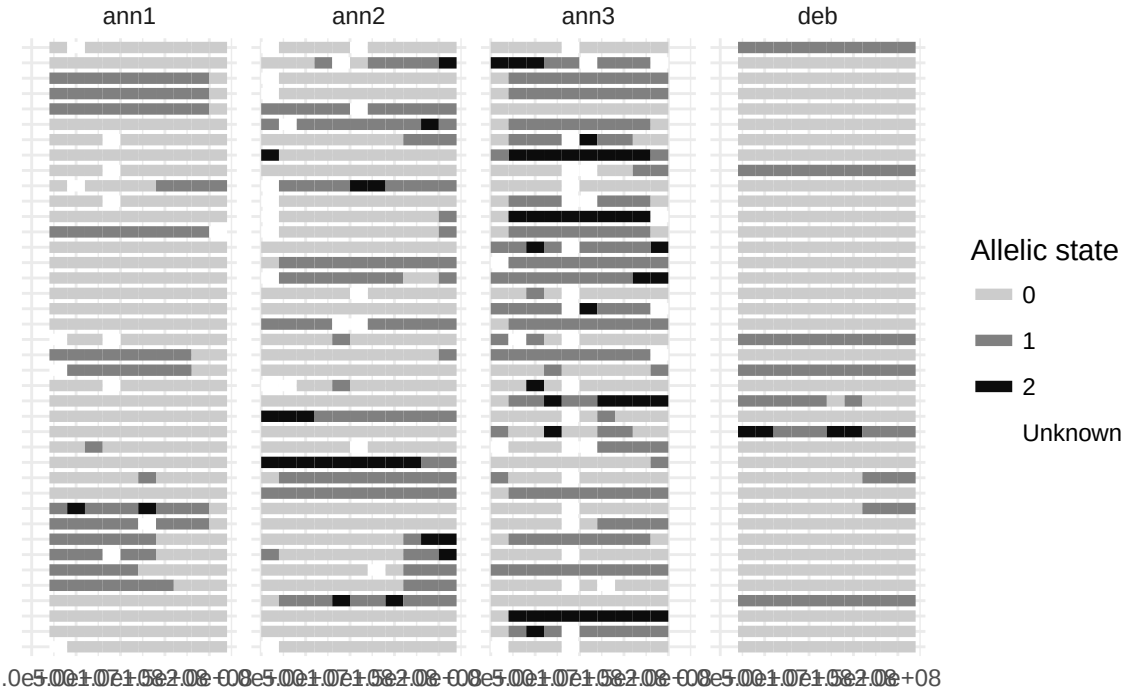
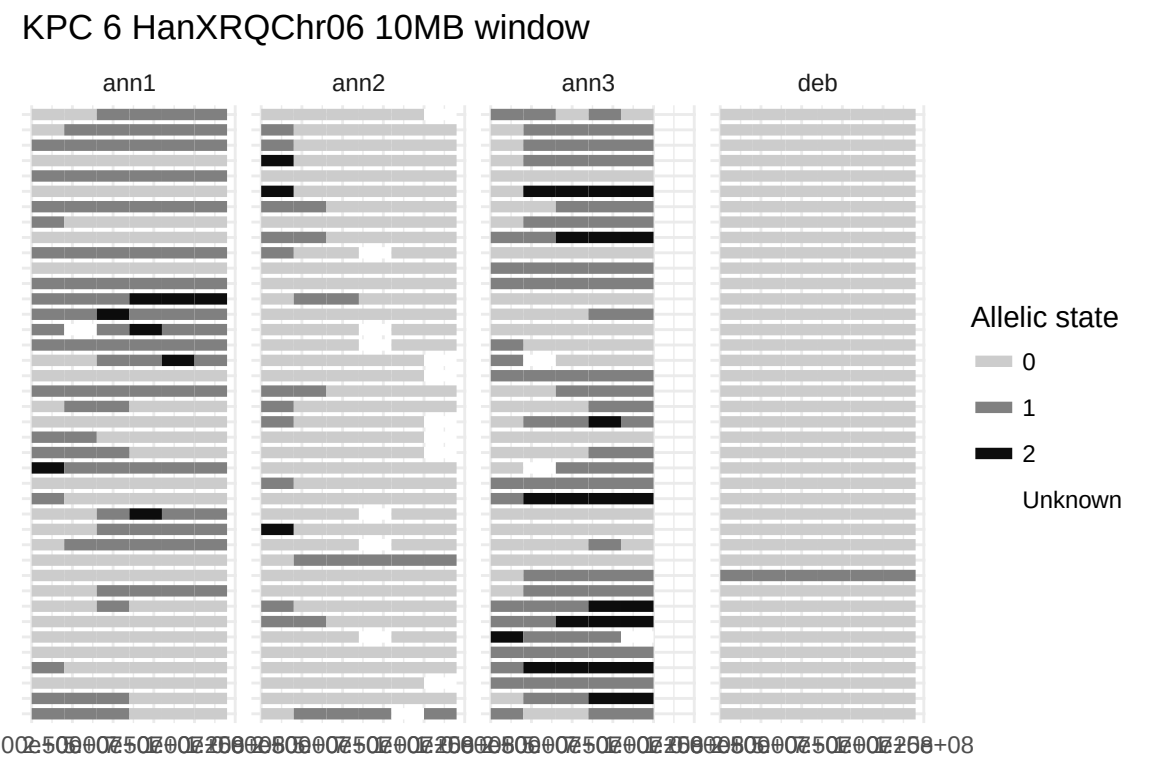
KPC 6 HanXRQChr05 10MB window

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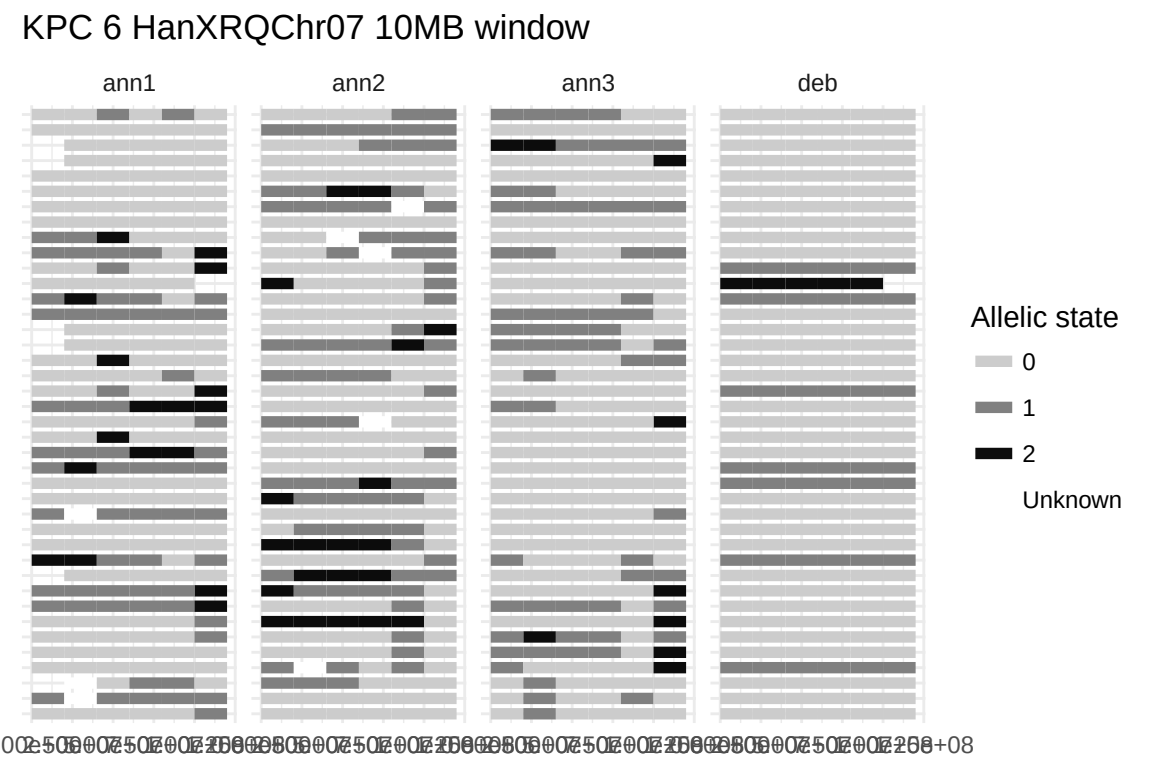
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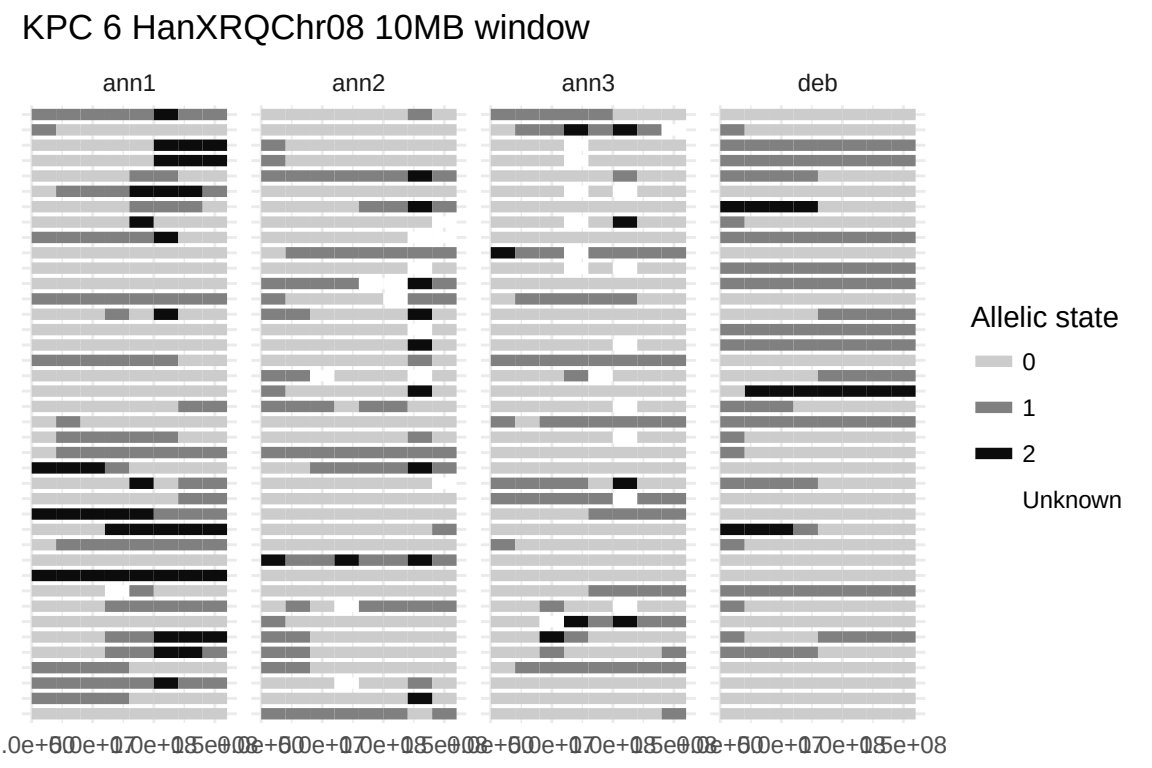
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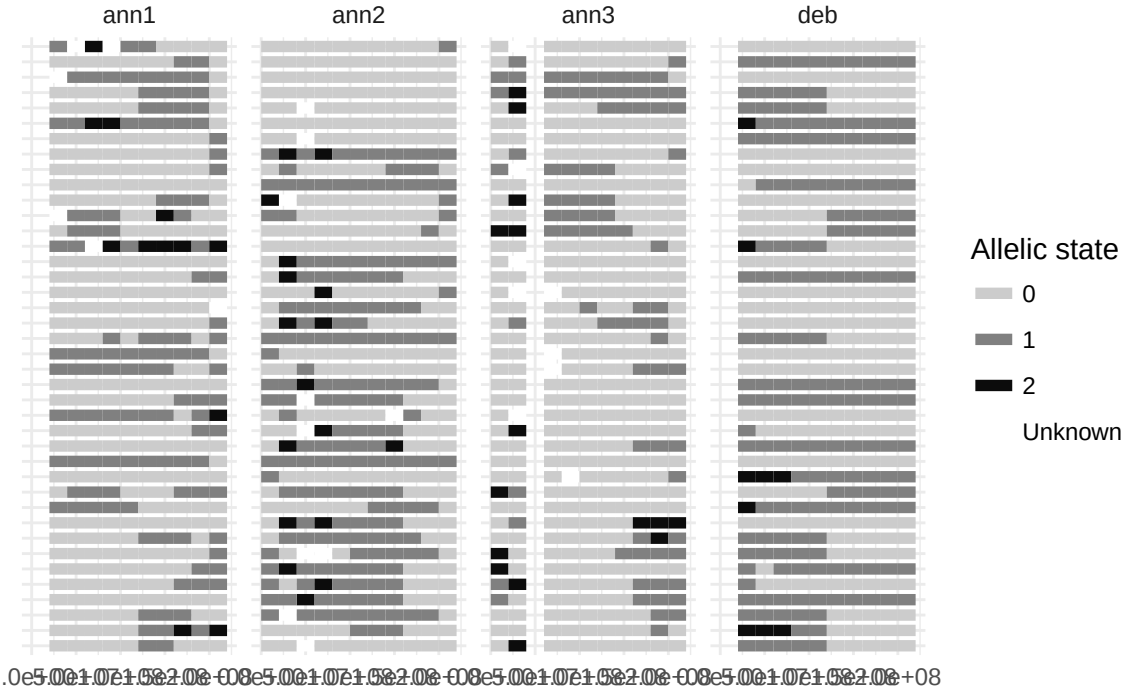
KPC 6 HanXRQChr09 10MB window



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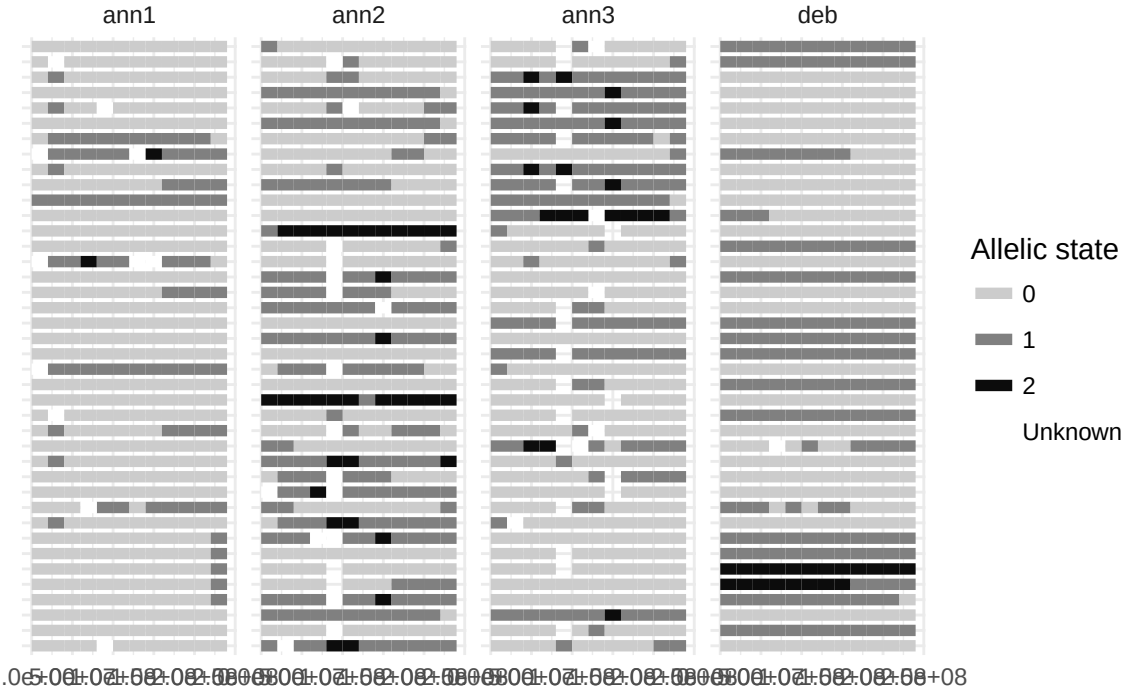

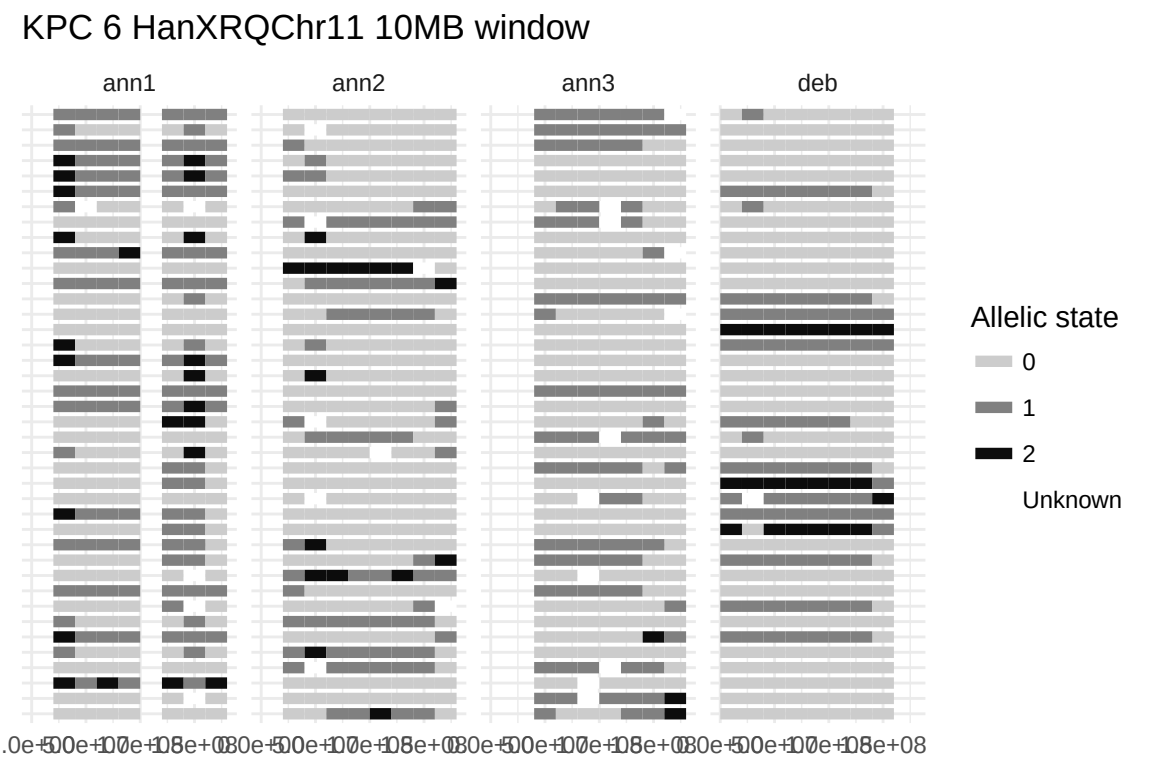
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ann2
ann3
deb
Allelic state
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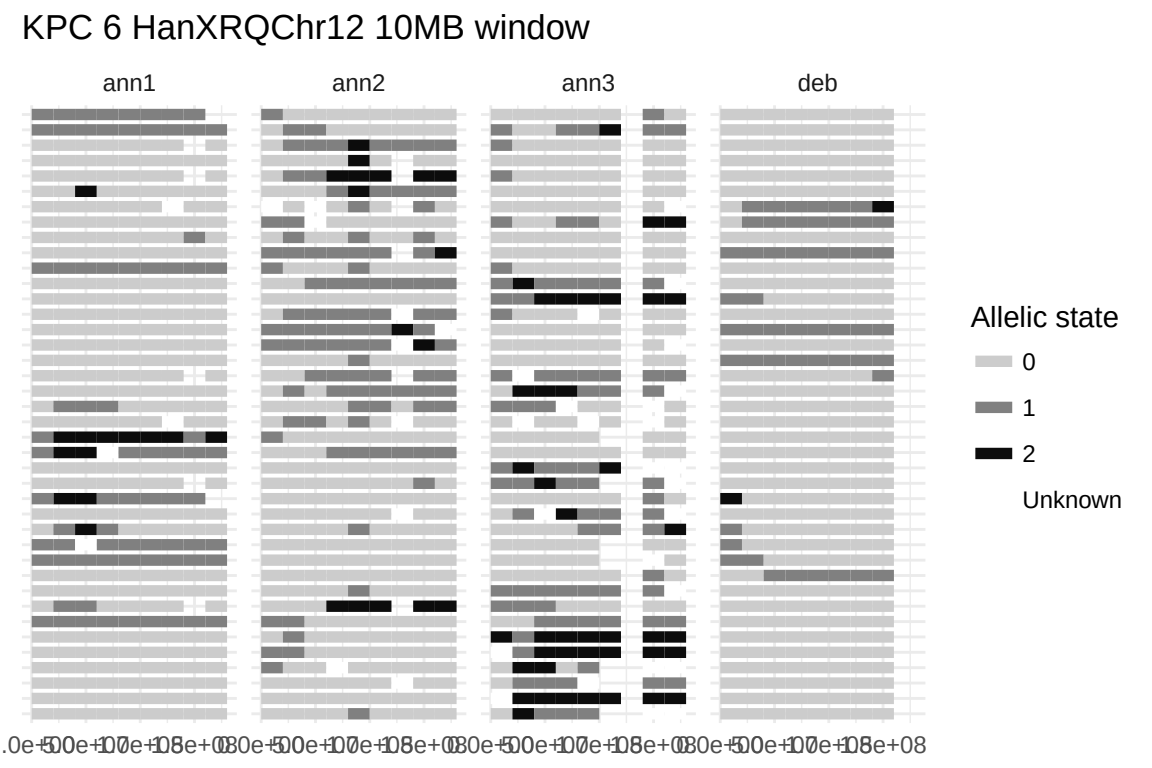
1
2
Unknown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ann3
deb
Allelic state
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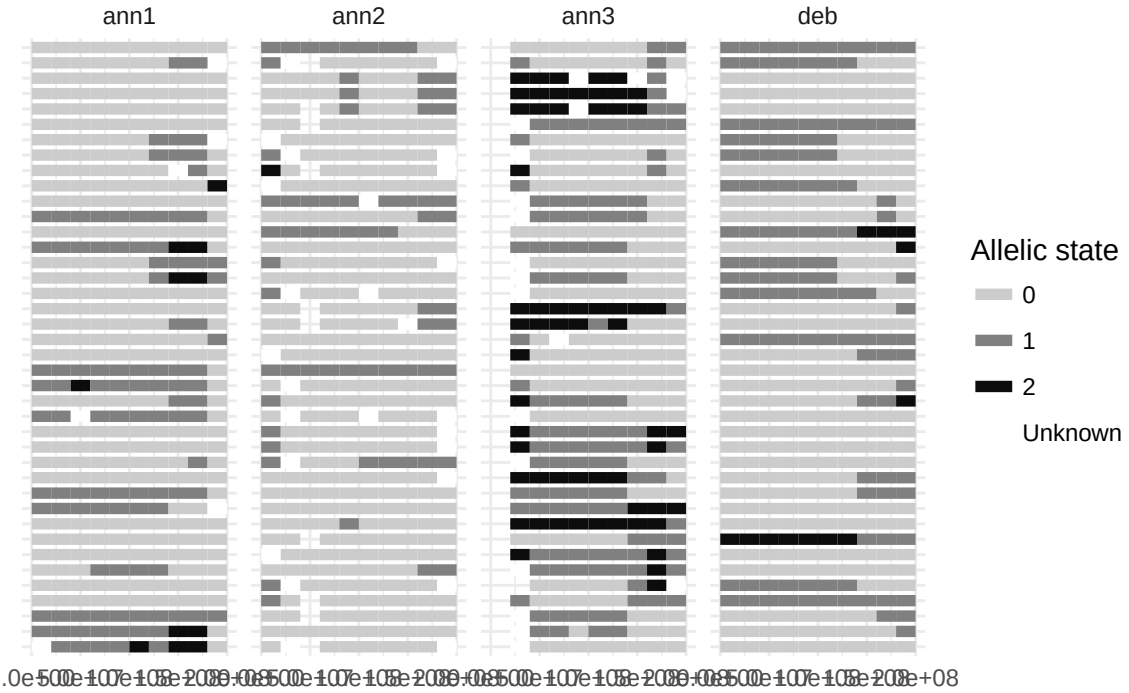
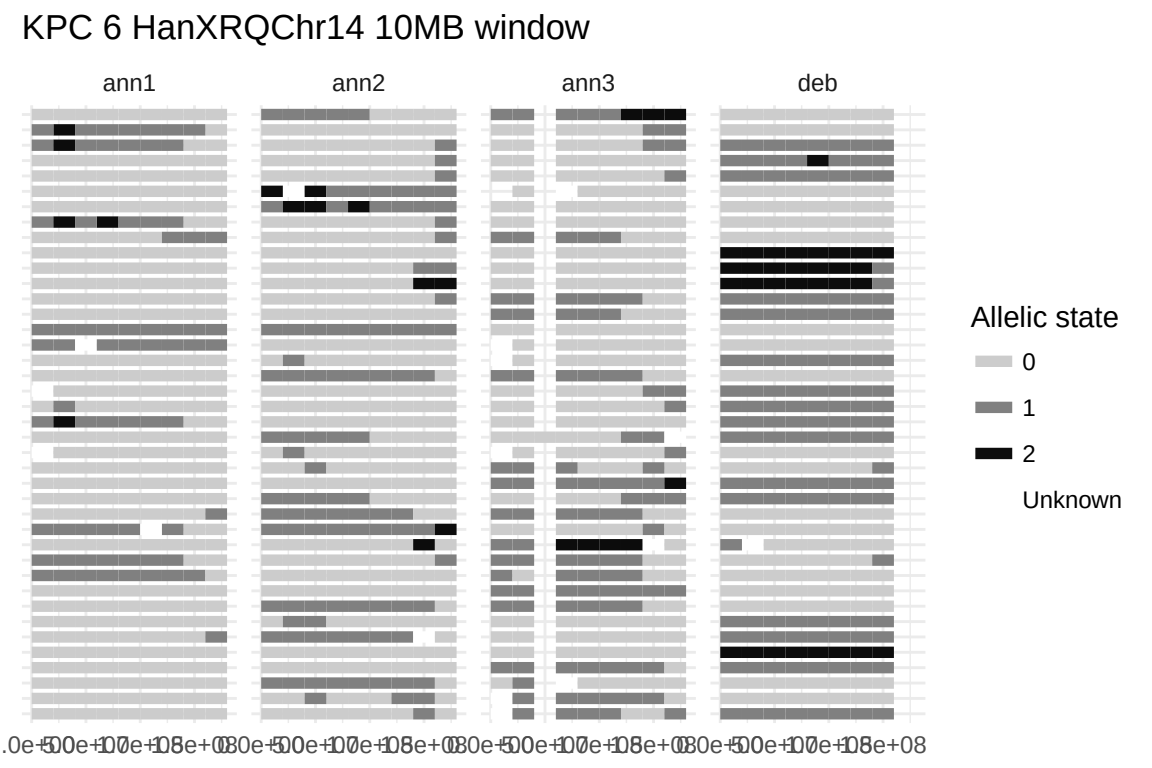
1
2
Unknown

KPC 6 HanXRQChr13 10MB window




KPC 6 HanXRQChr14 10MB window
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ann2
ann3
deb
Allelic state
0
1
2
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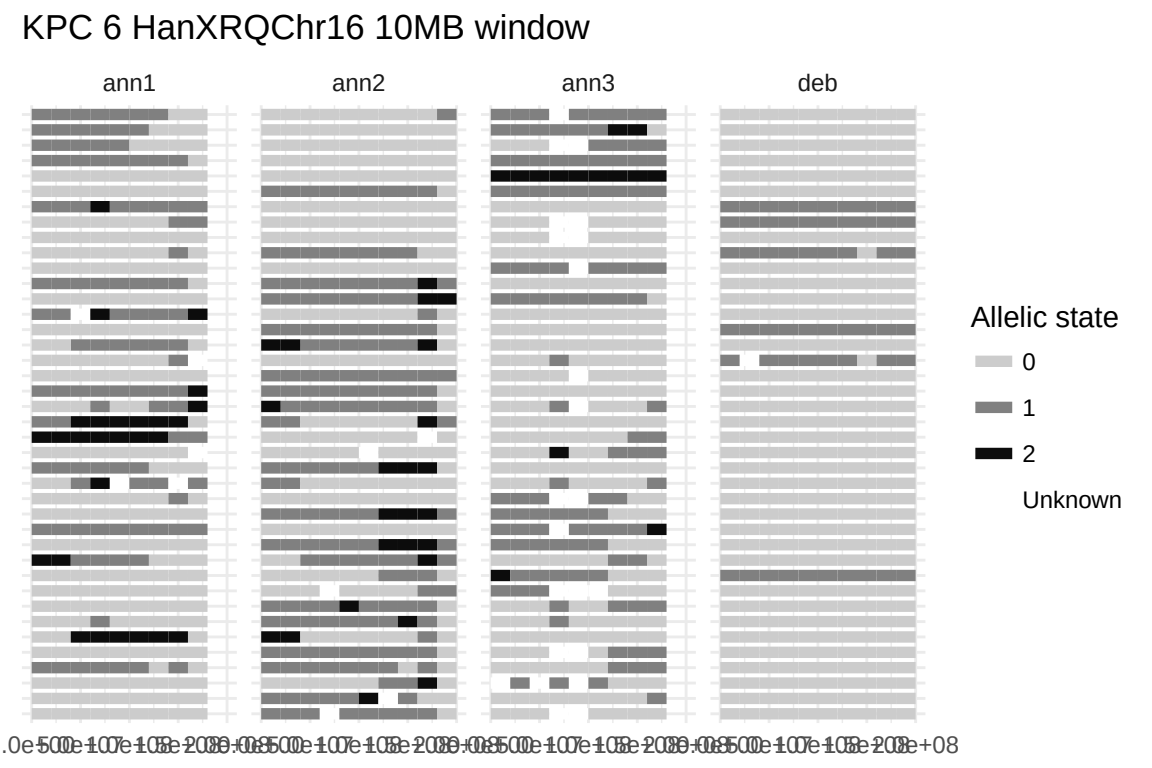
KPC 6 HanXRQChr15 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown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ann3
deb
Allelic state
0
1
2
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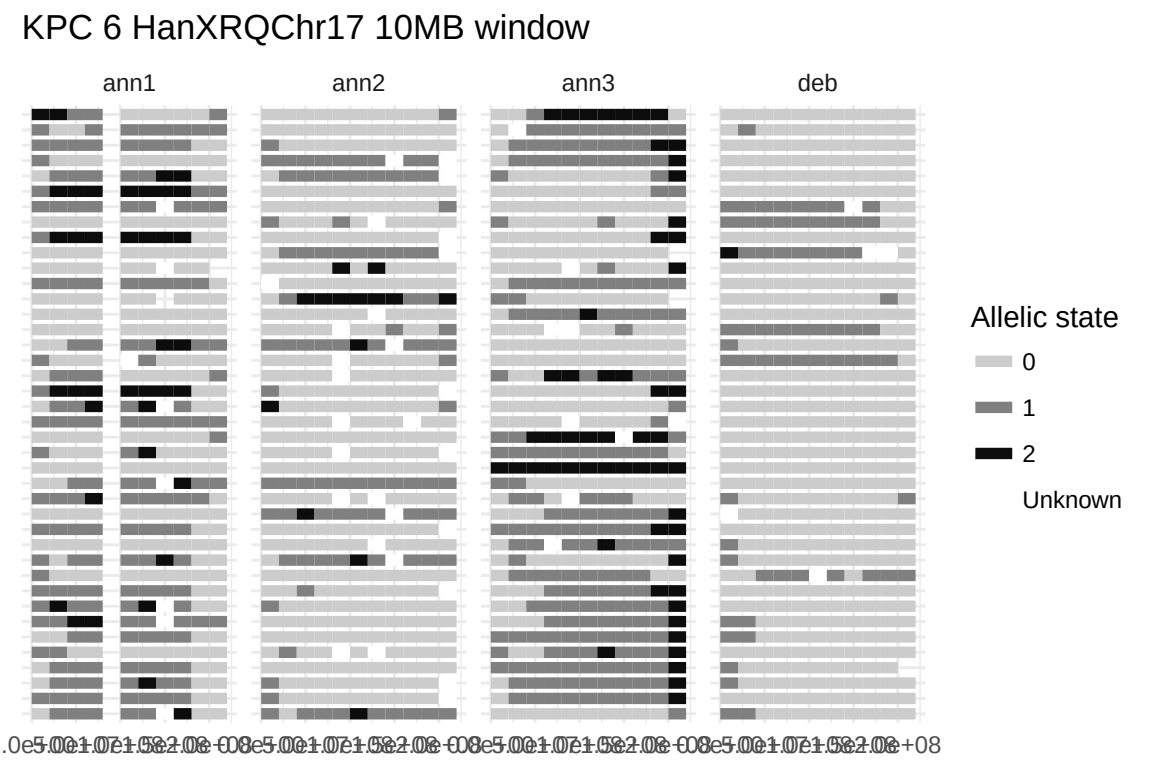
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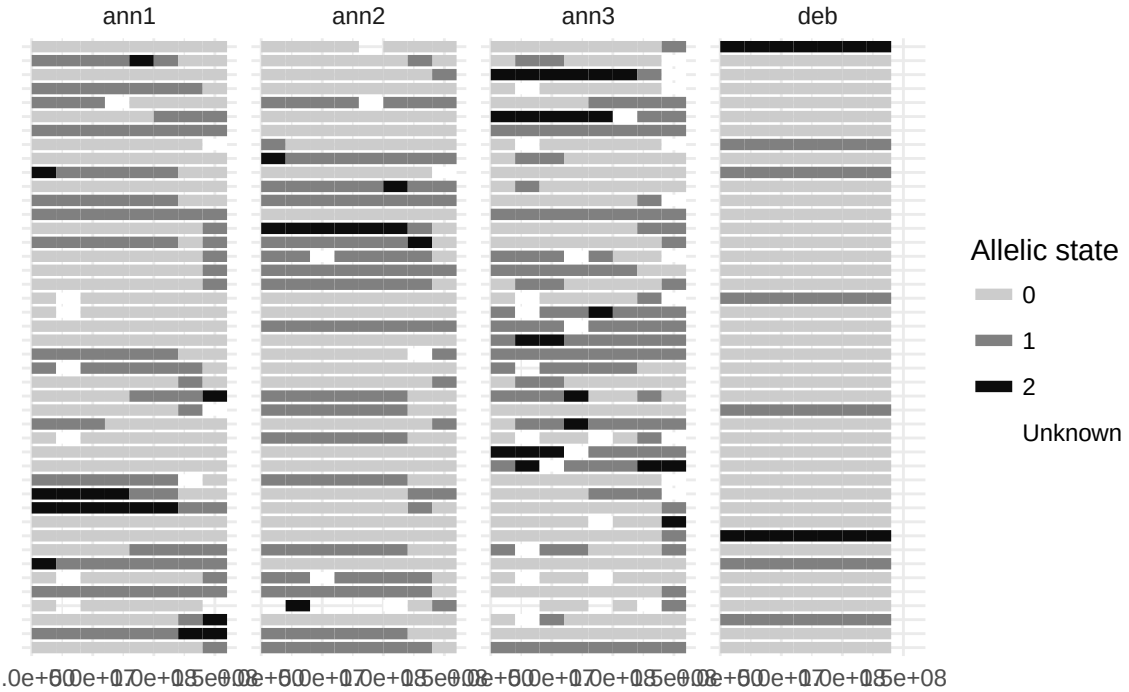
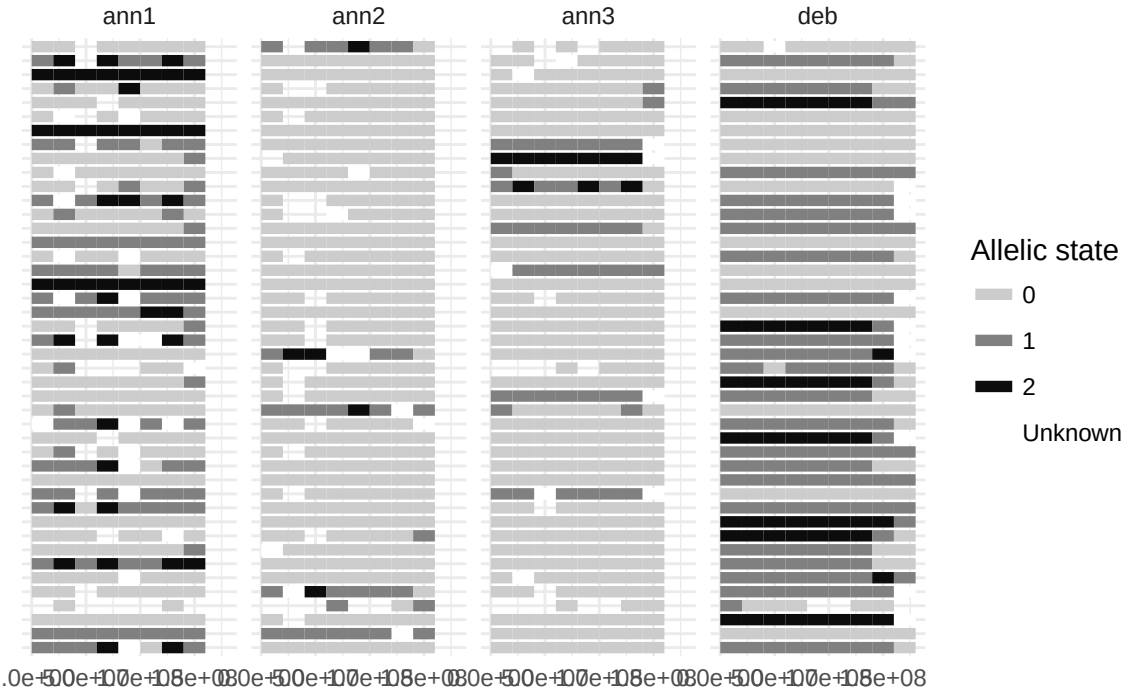
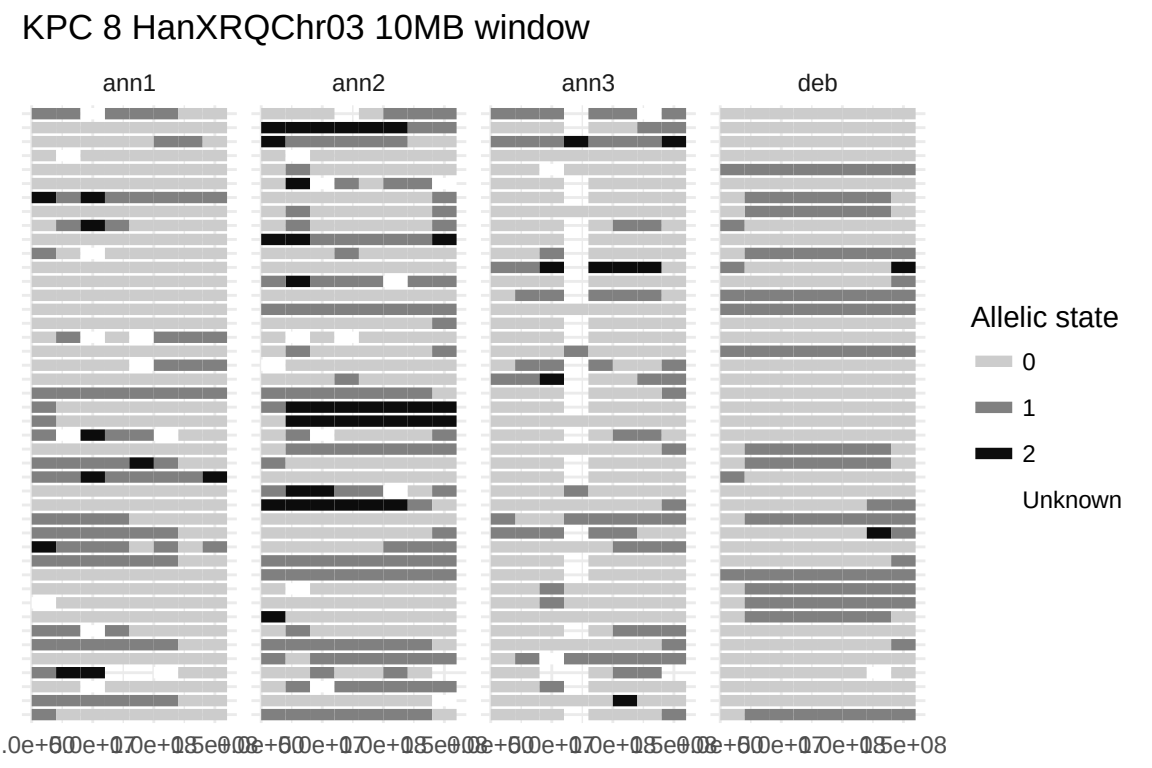
ann2
ann3
deb
Allelic state
0
1
2
Unknown

KPC 8 HanXRQChr01 10MB window



KPC 8 HanXRQChr02 10MB window

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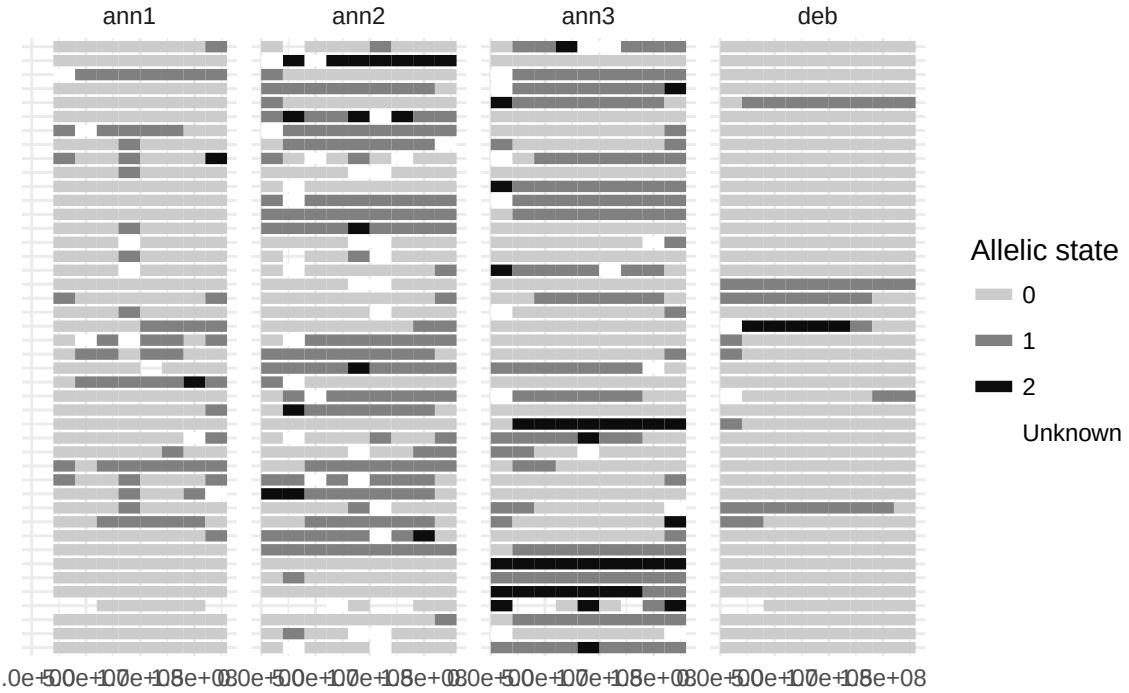
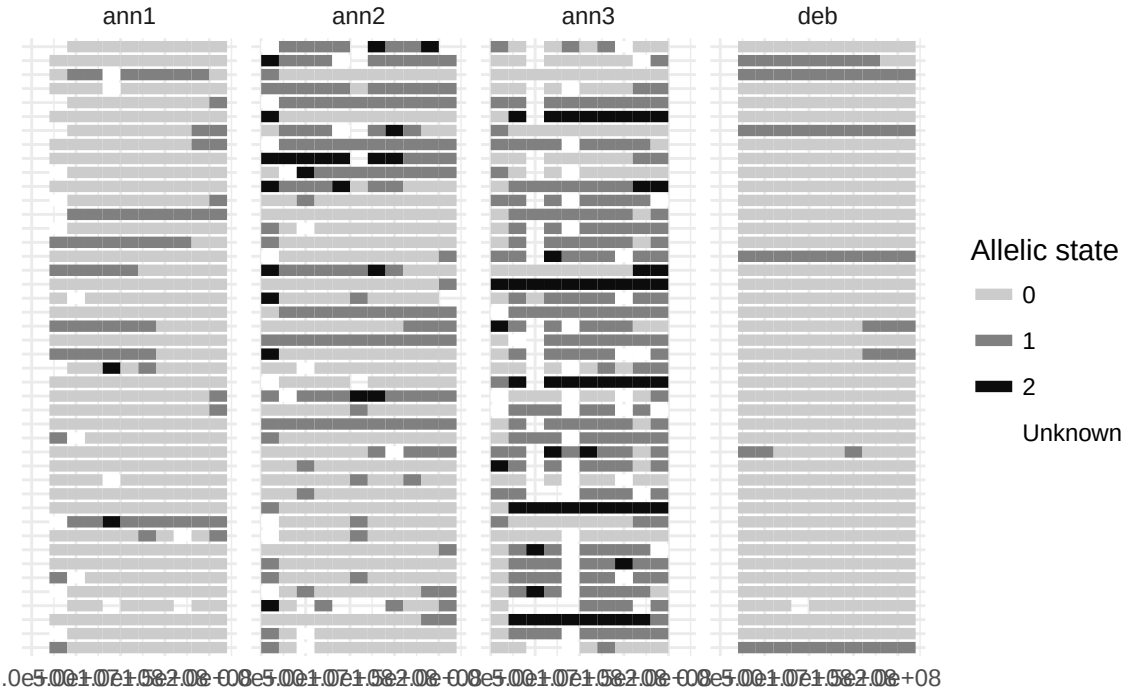
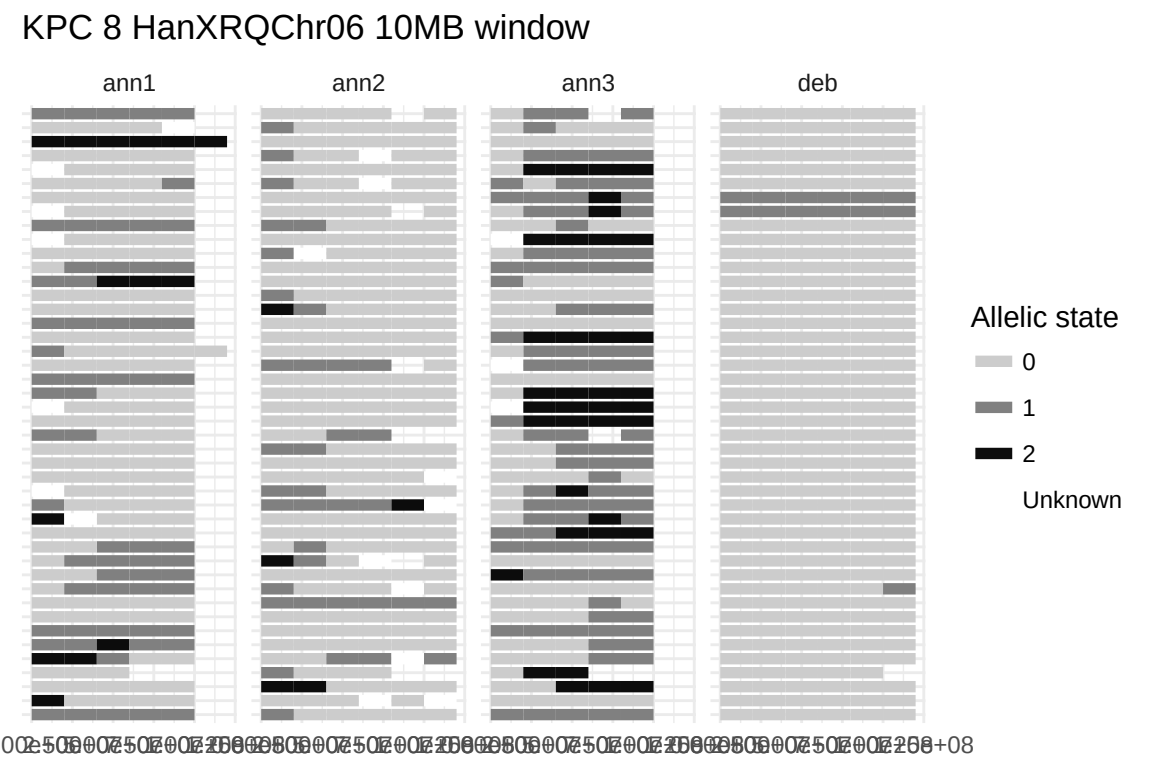
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

KPC 8 HanXRQChr04 10MB window



KPC 8 HanXRQChr05 10MB window




KPC 8 HanXRQChr06 10MB window
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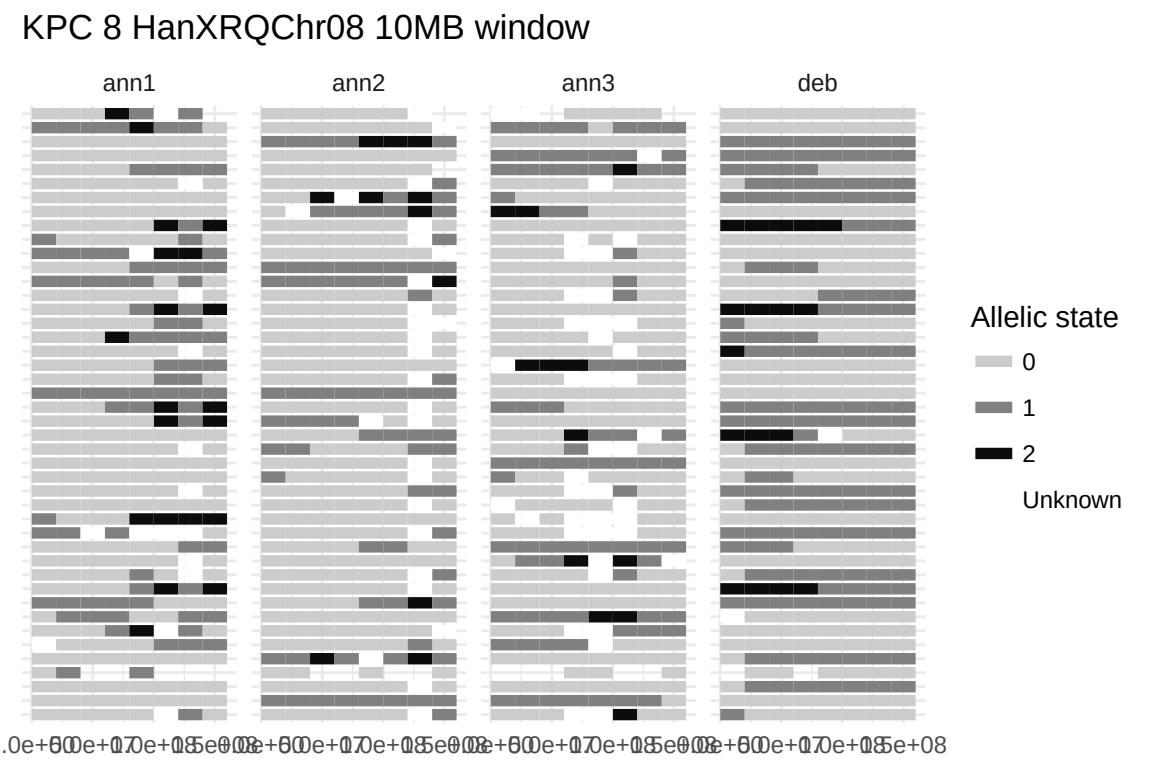
ann2
ann3
deb
Allelic state
0
1
2
Unknown

KPC 8 HanXRQChr07 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown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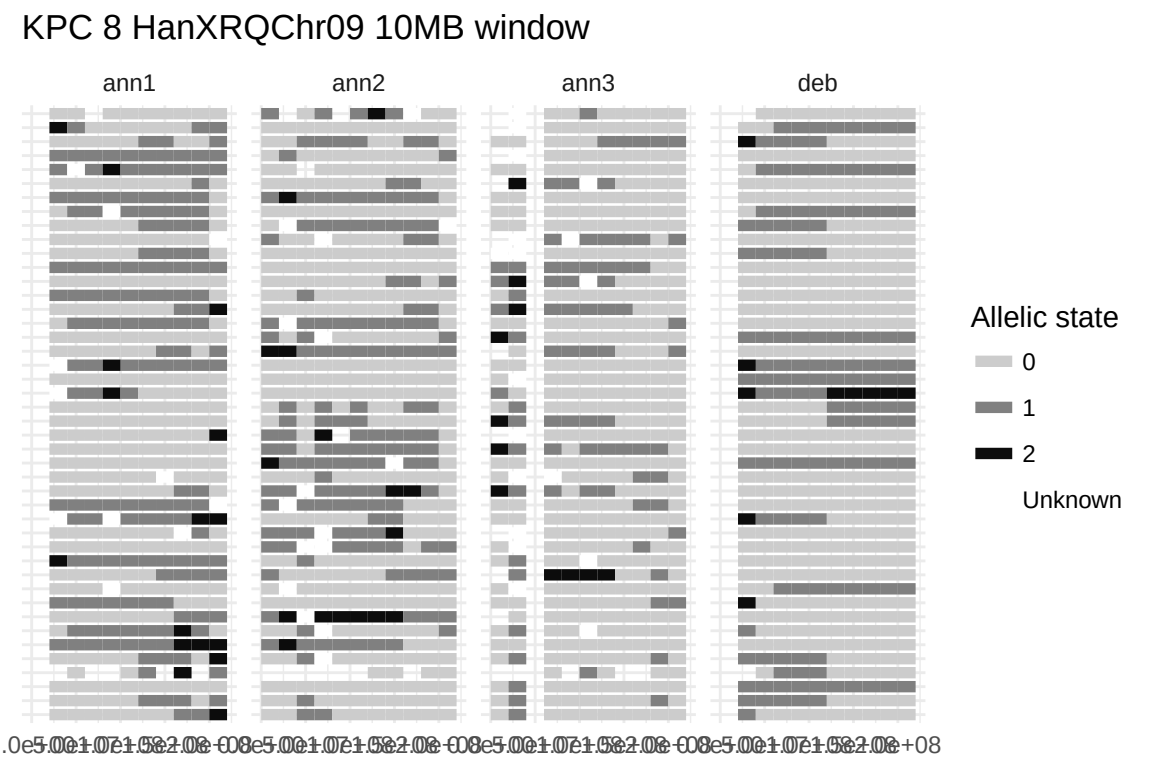
ann2
ann3
deb
Allelic state
0
1
2
Unknown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ann2
ann3
deb
Allelic state
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2
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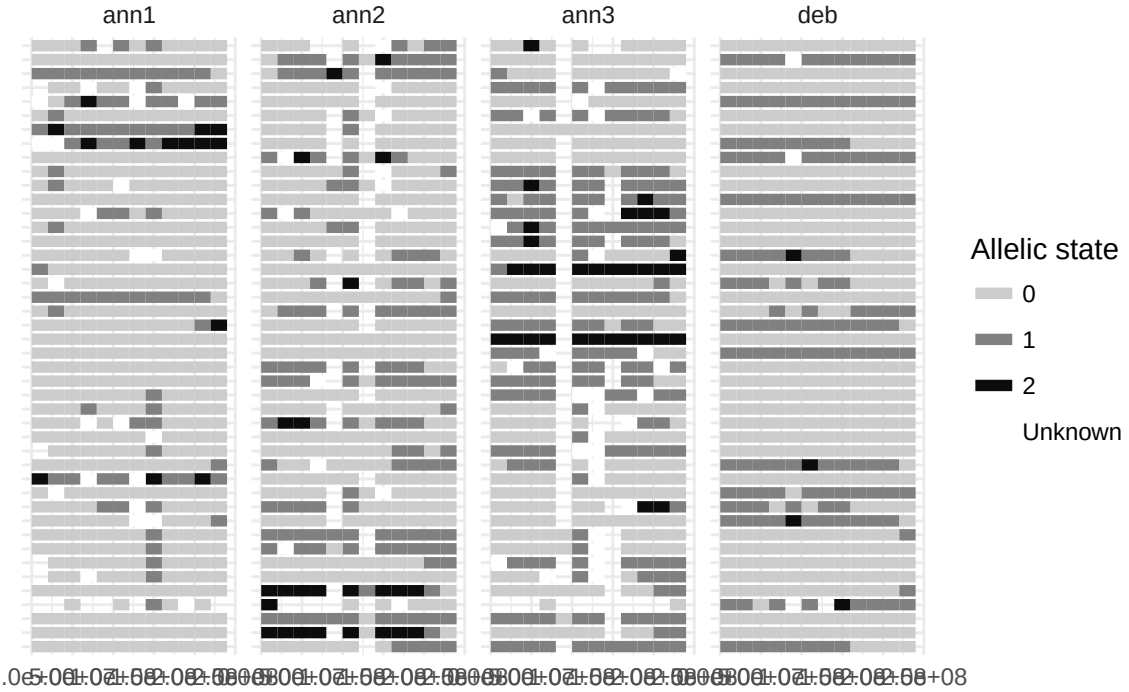
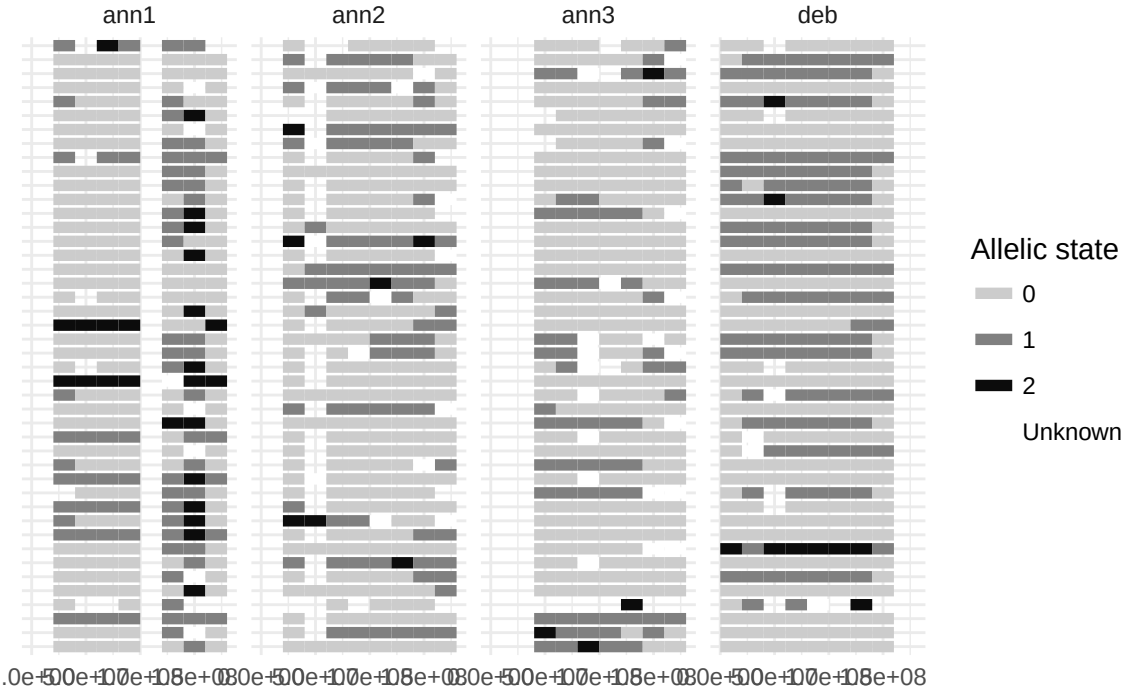
KPC 8 HanXRQChr10 10MB window



KPC 8 HanXRQChr11 10MB window



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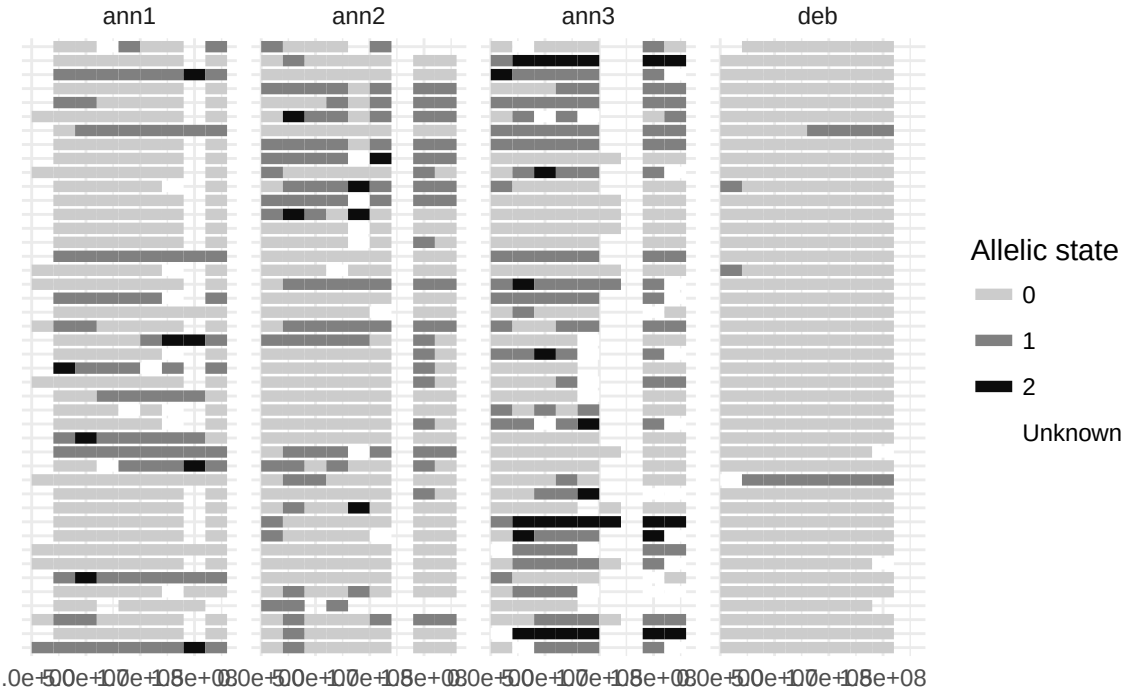
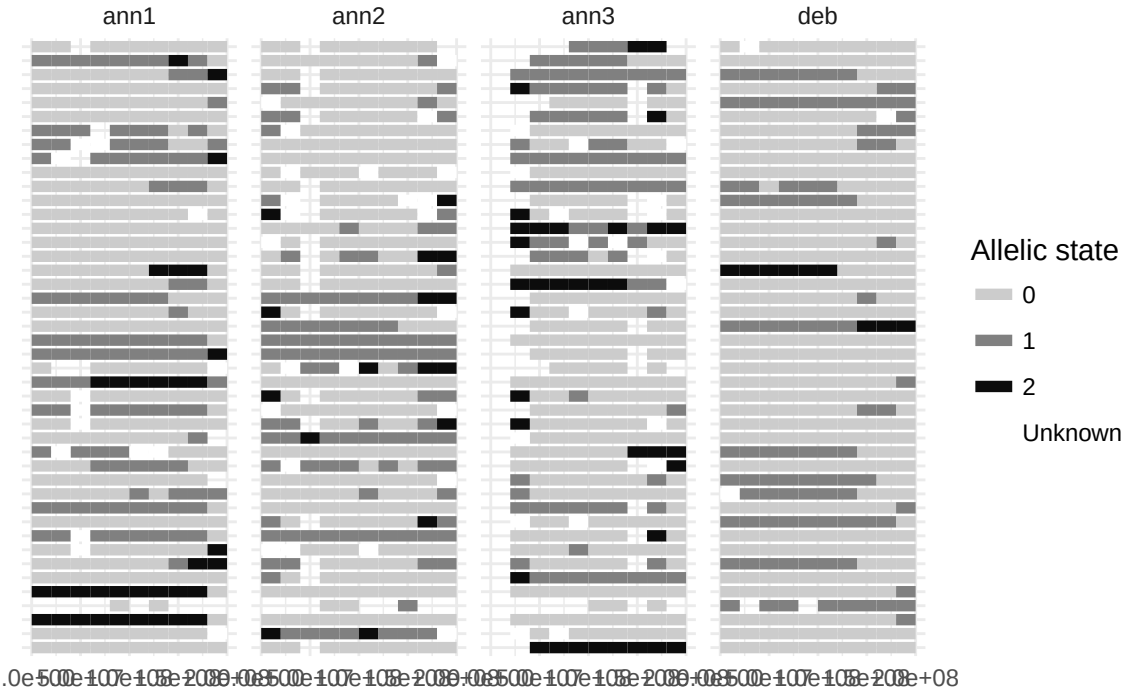


KPC 8 HanXRQChr13 10MB window



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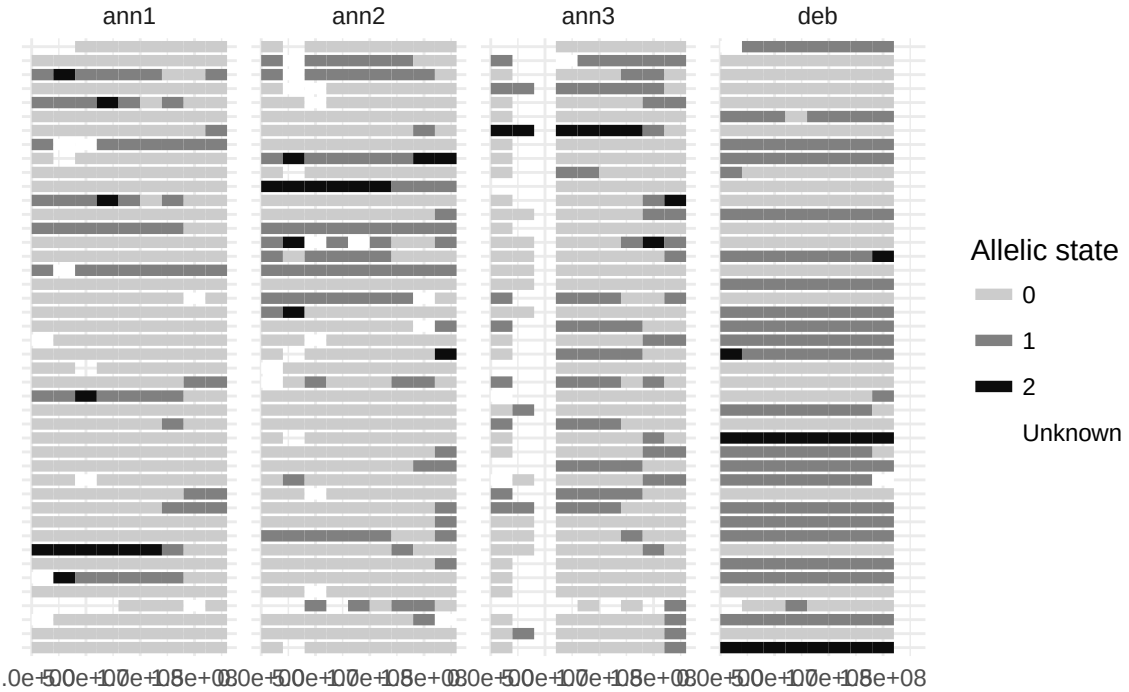

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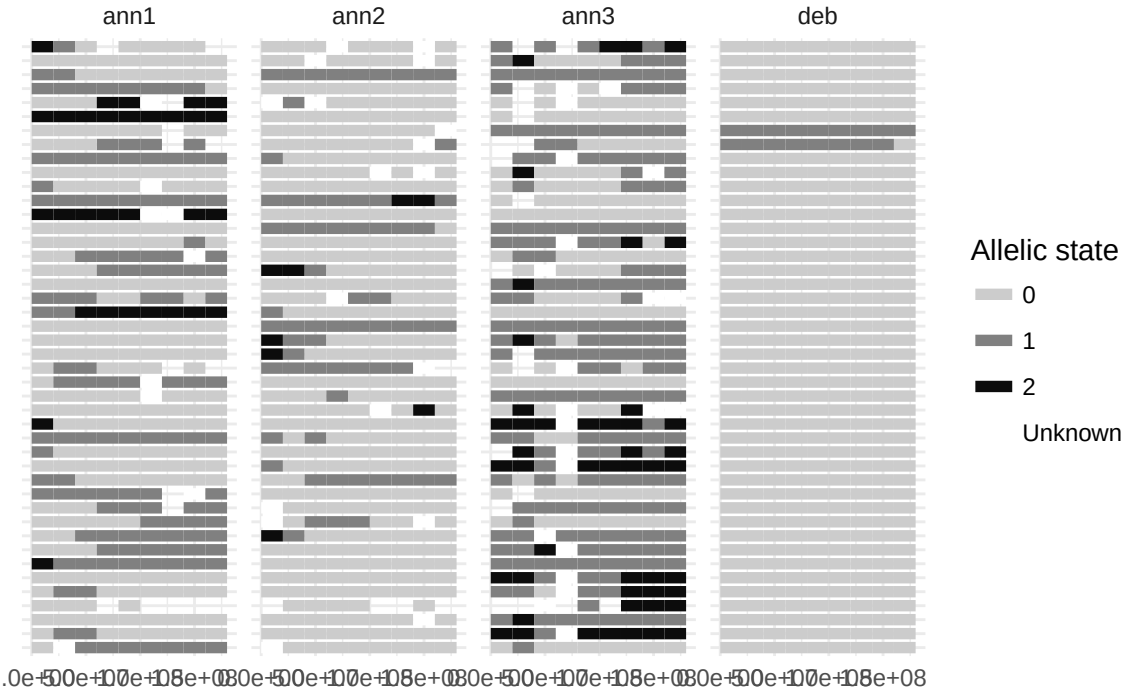

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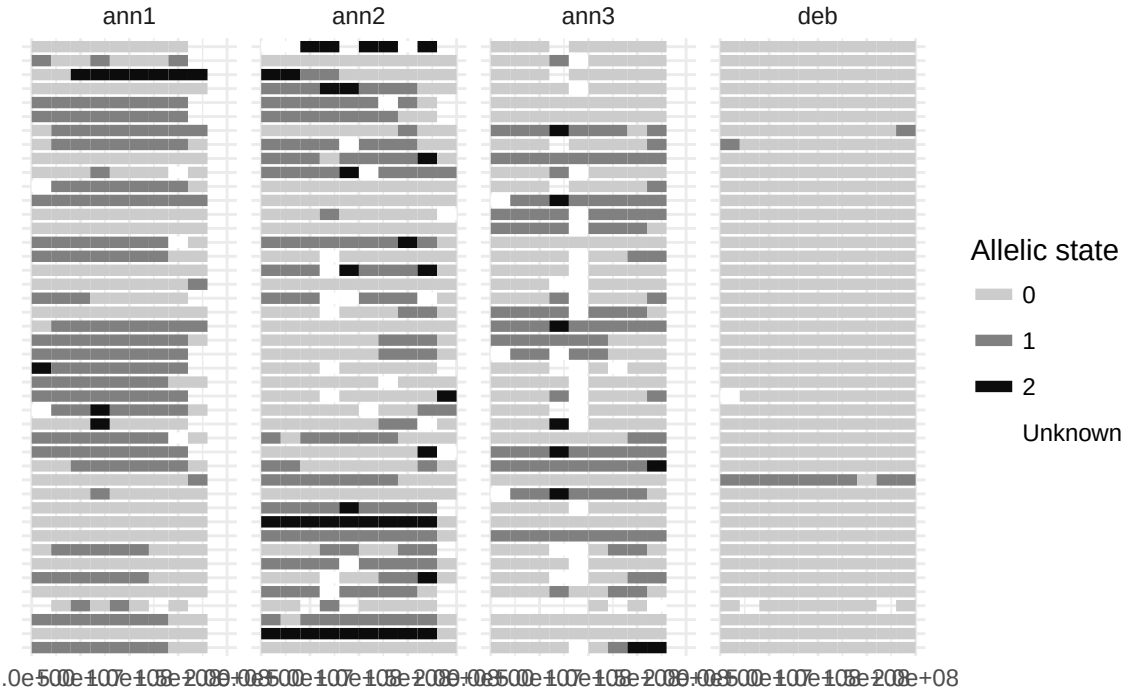
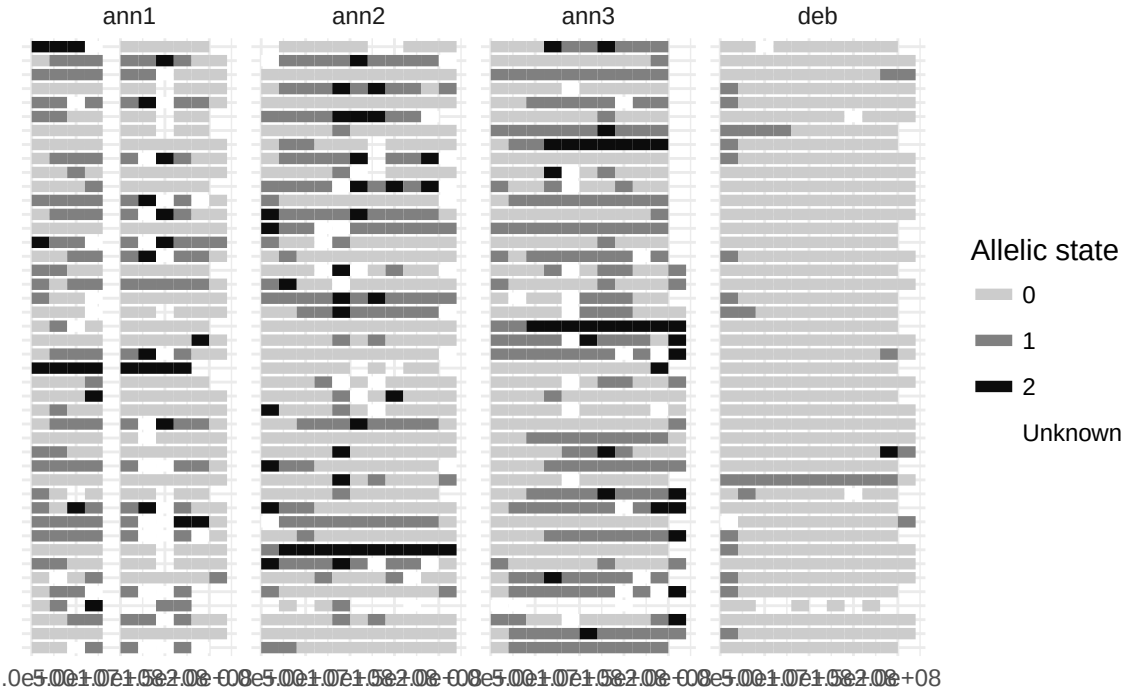
KPC 8 HanXRQChr17 10MB window