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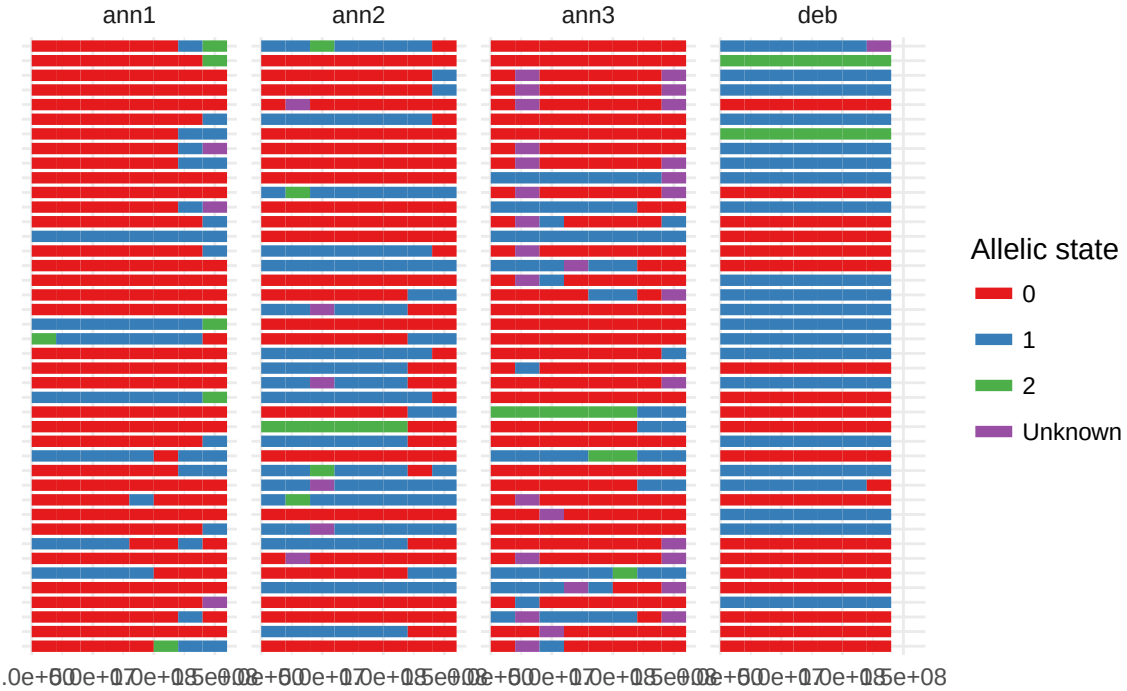

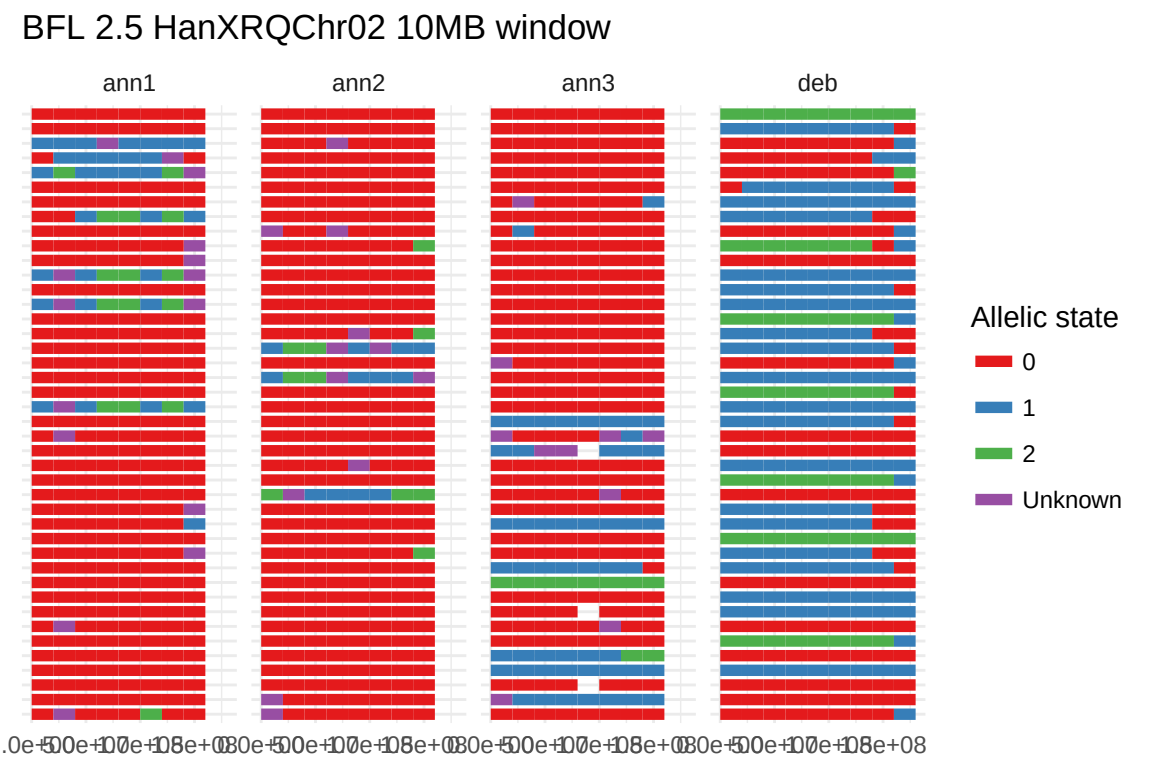
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ann3
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Allelic state
0
1
2
Unknown

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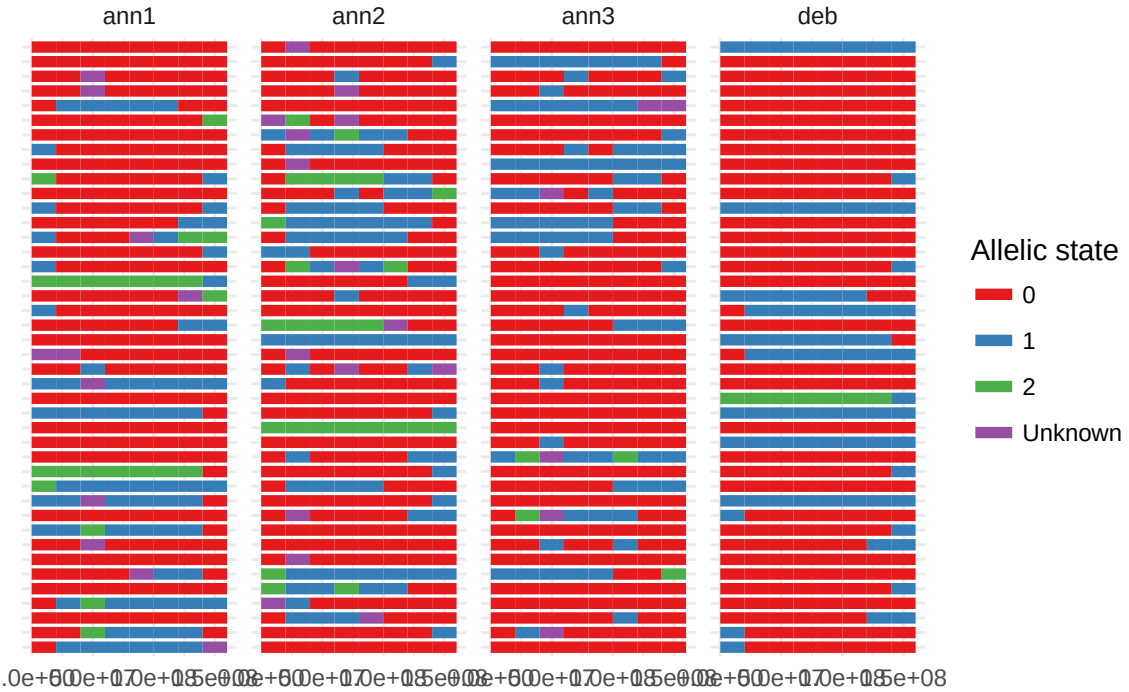

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1
2
Unknown

BFL 2.5 HanXRQChr05 10MB window
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ann2
ann3
deb
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0
1
2
Unknown

BFL 2.5 HanXRQChr06 10MB window
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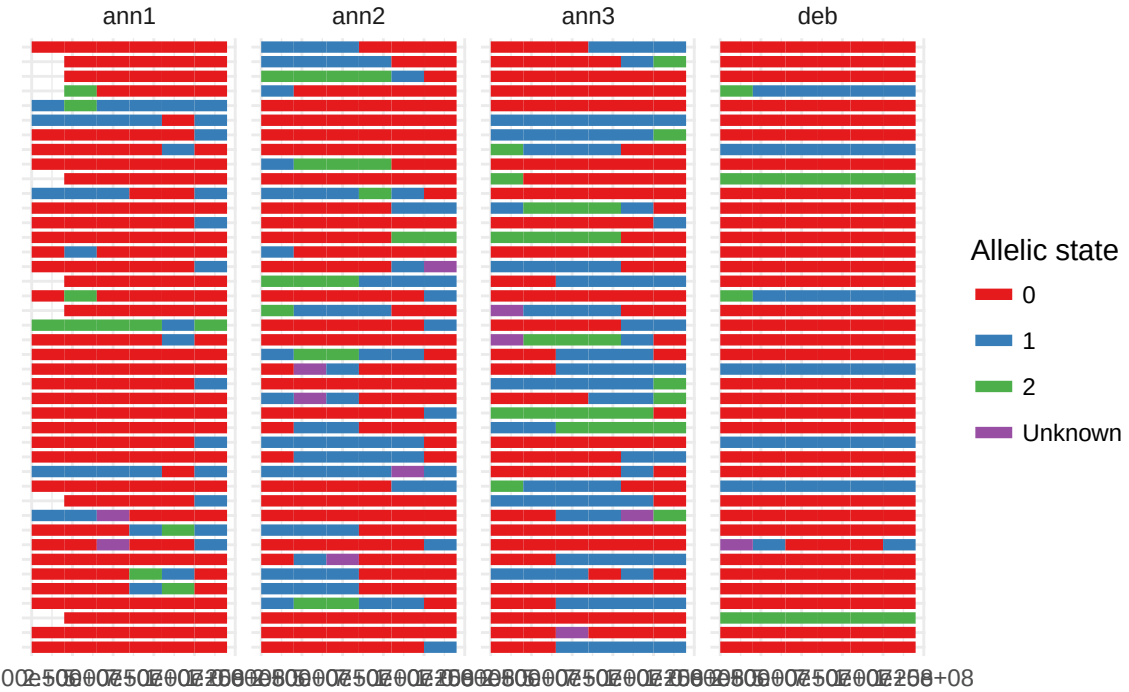
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 2.5 HanXRQChr07 10MB window



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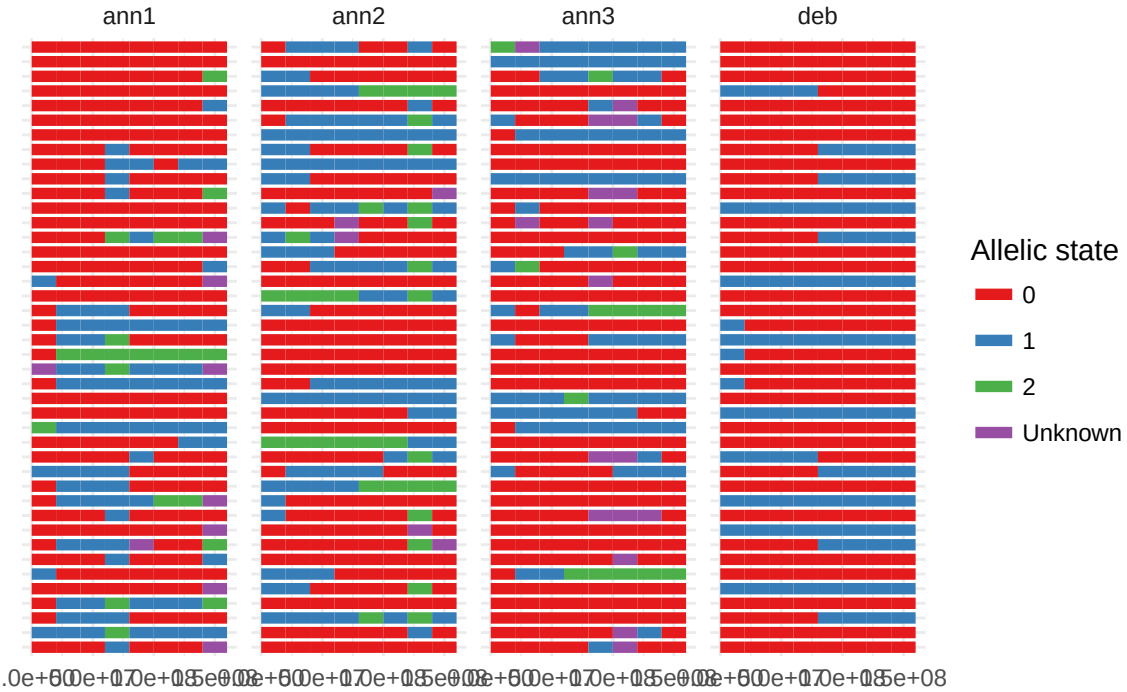

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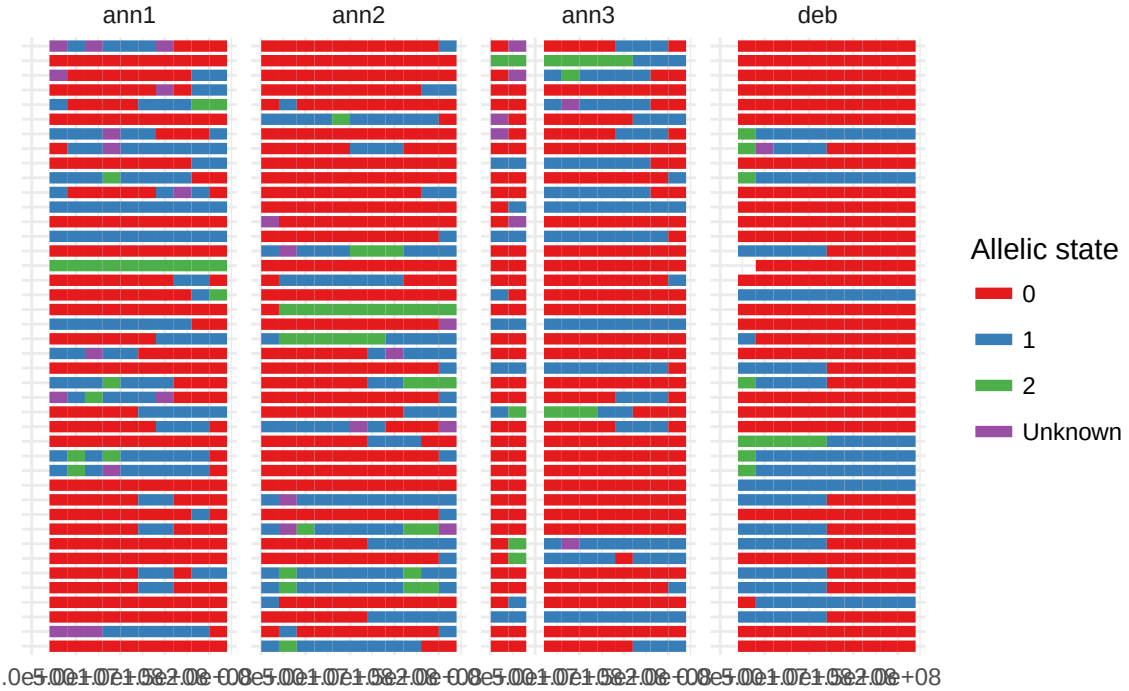

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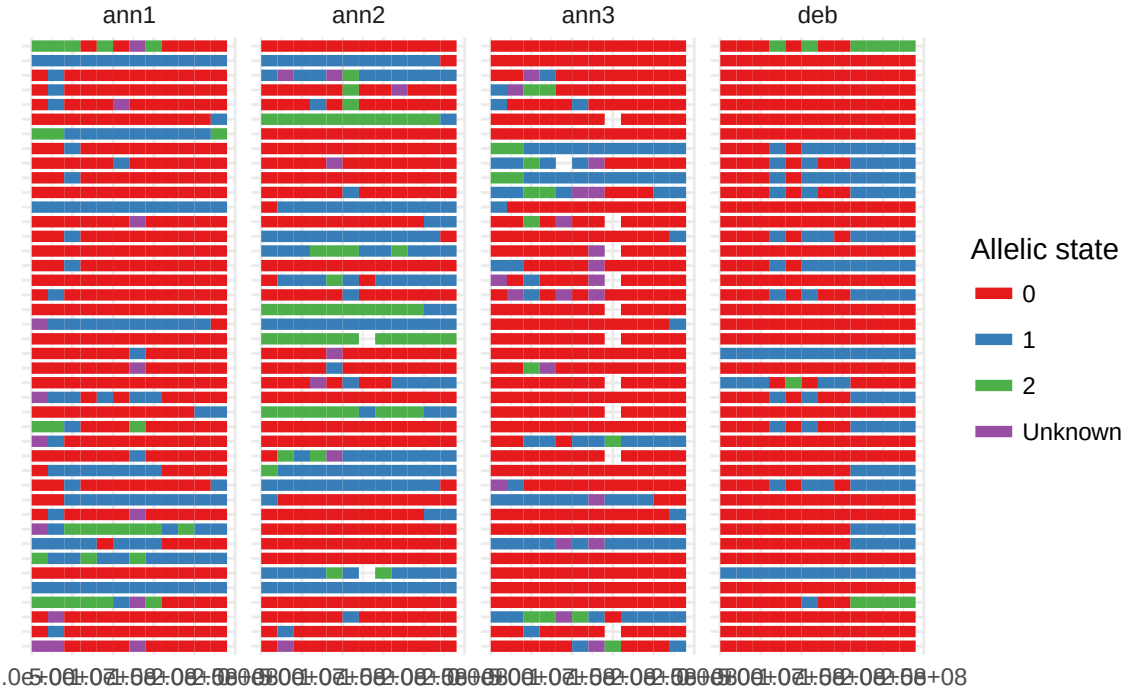

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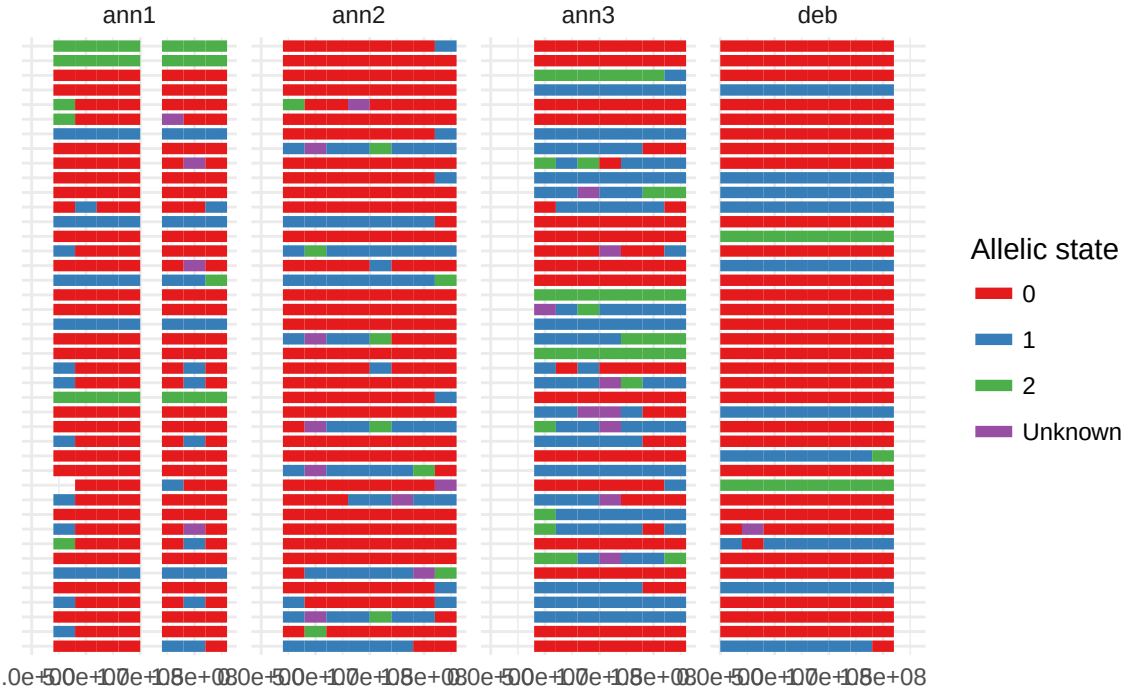

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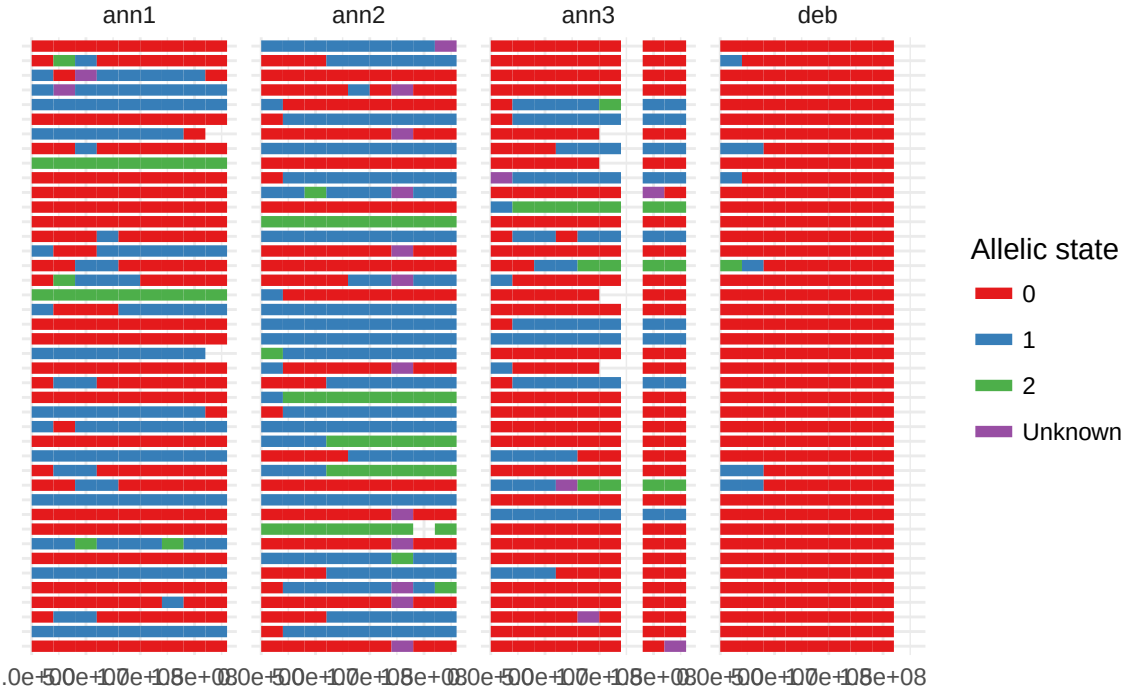

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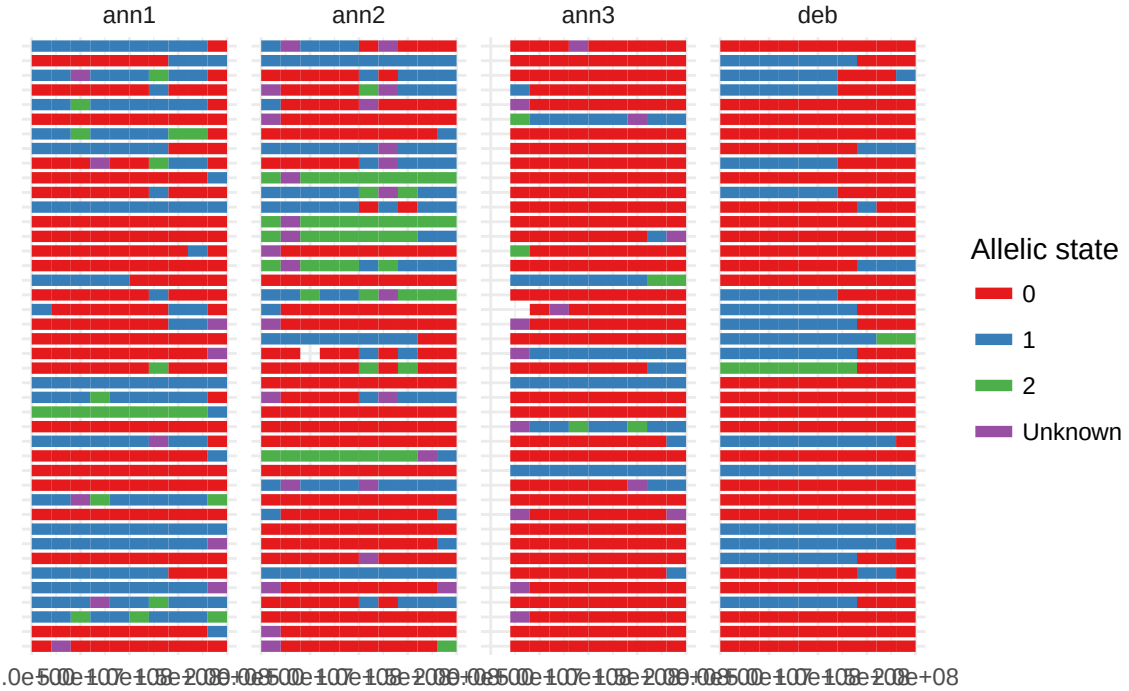

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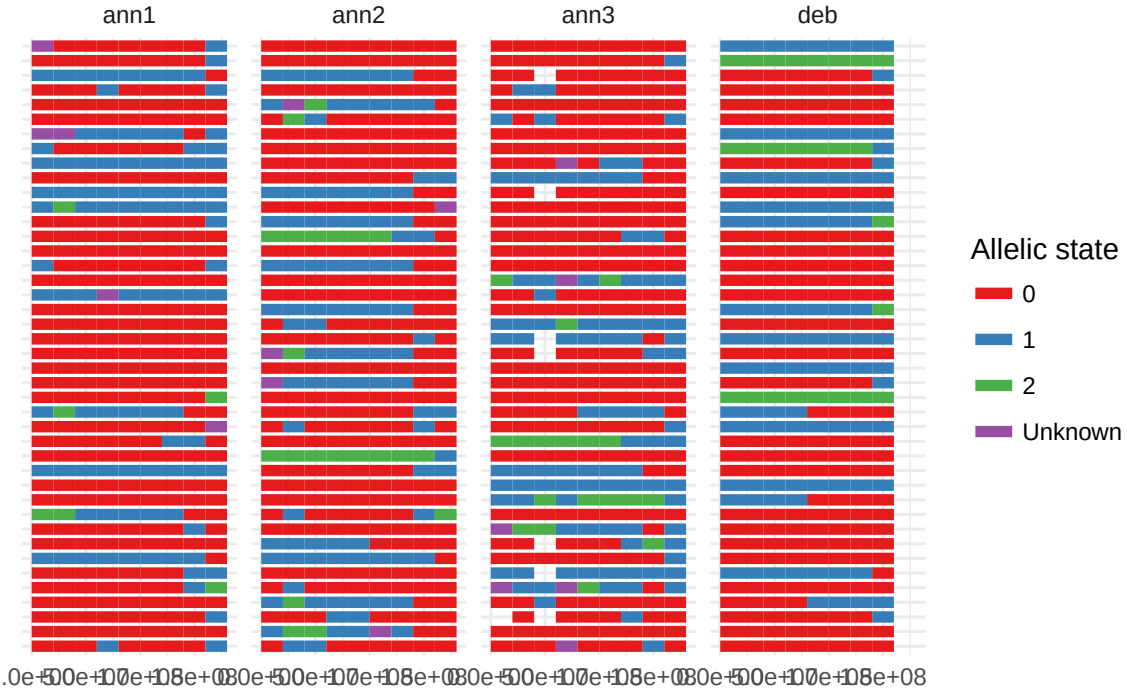

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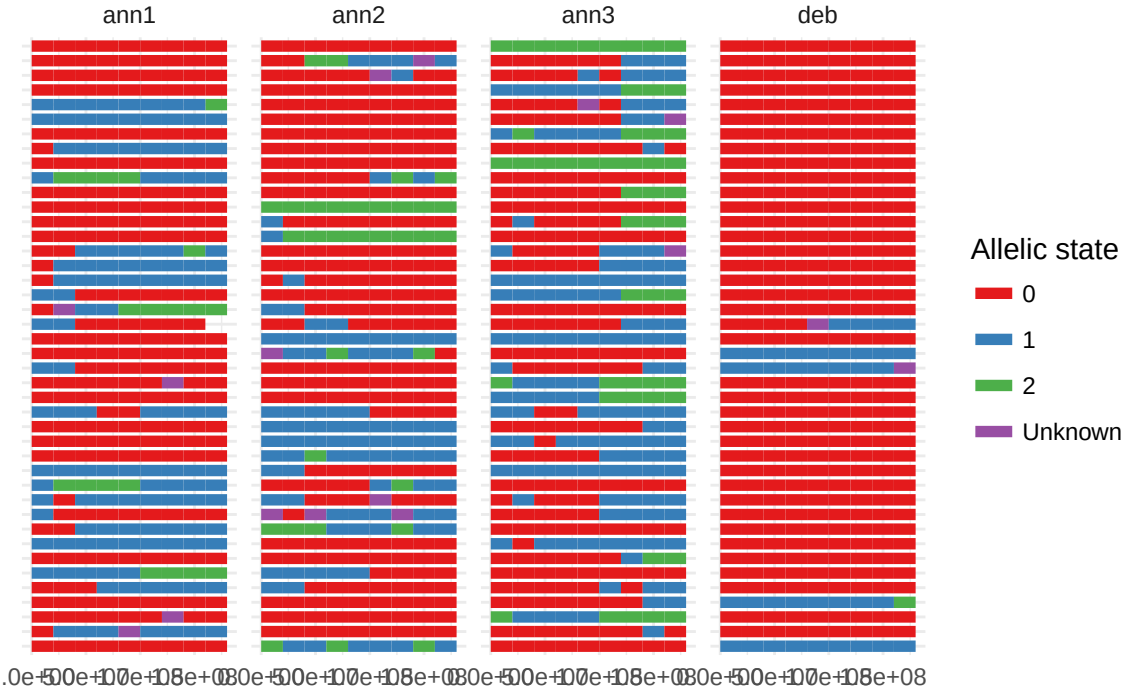

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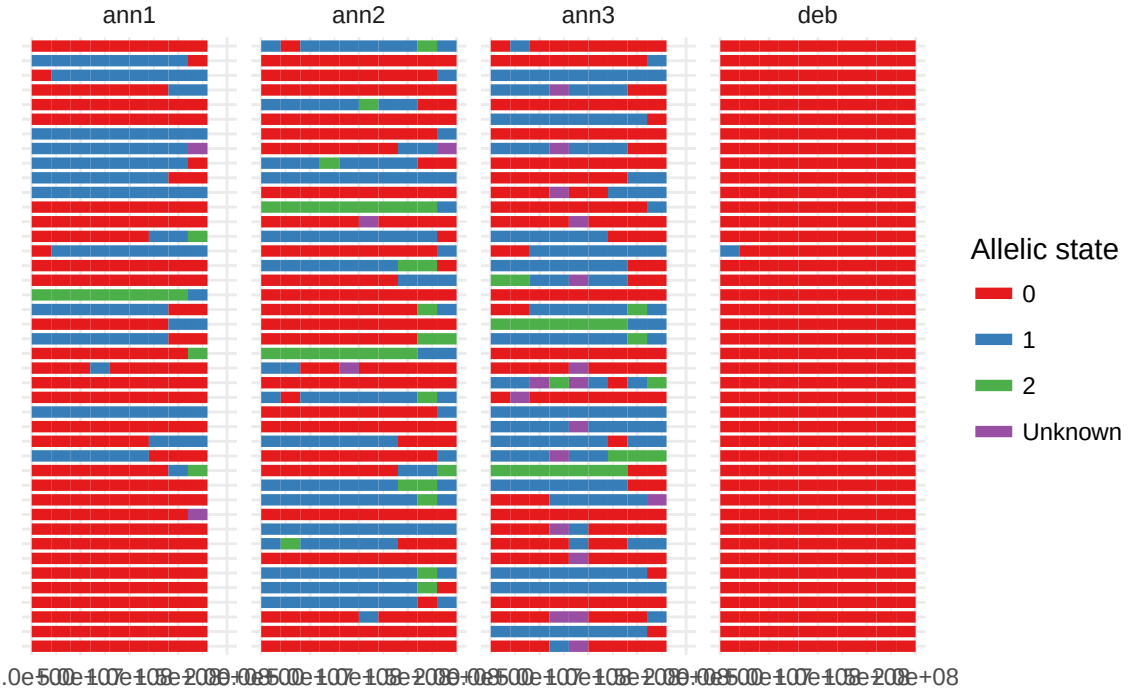

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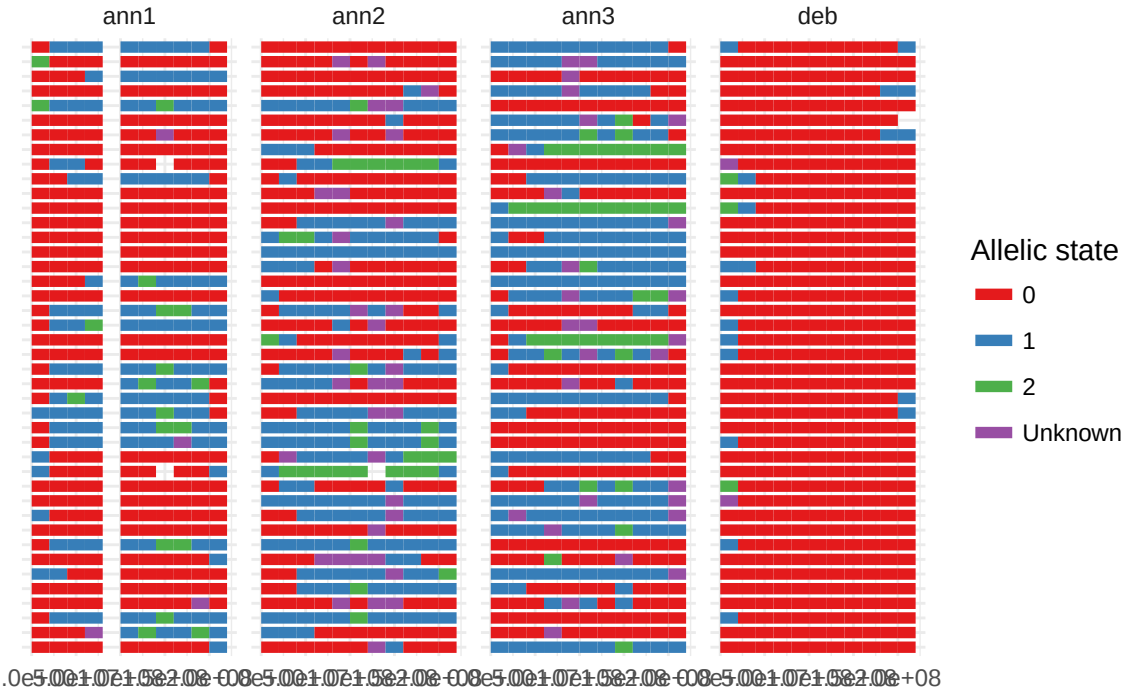
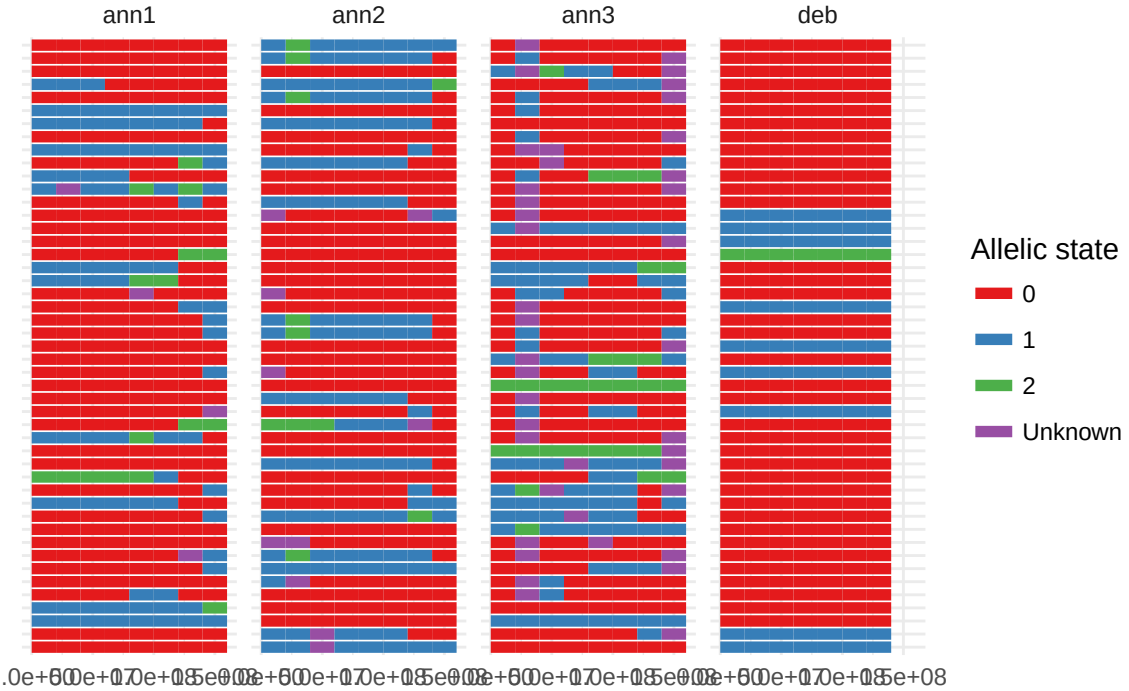
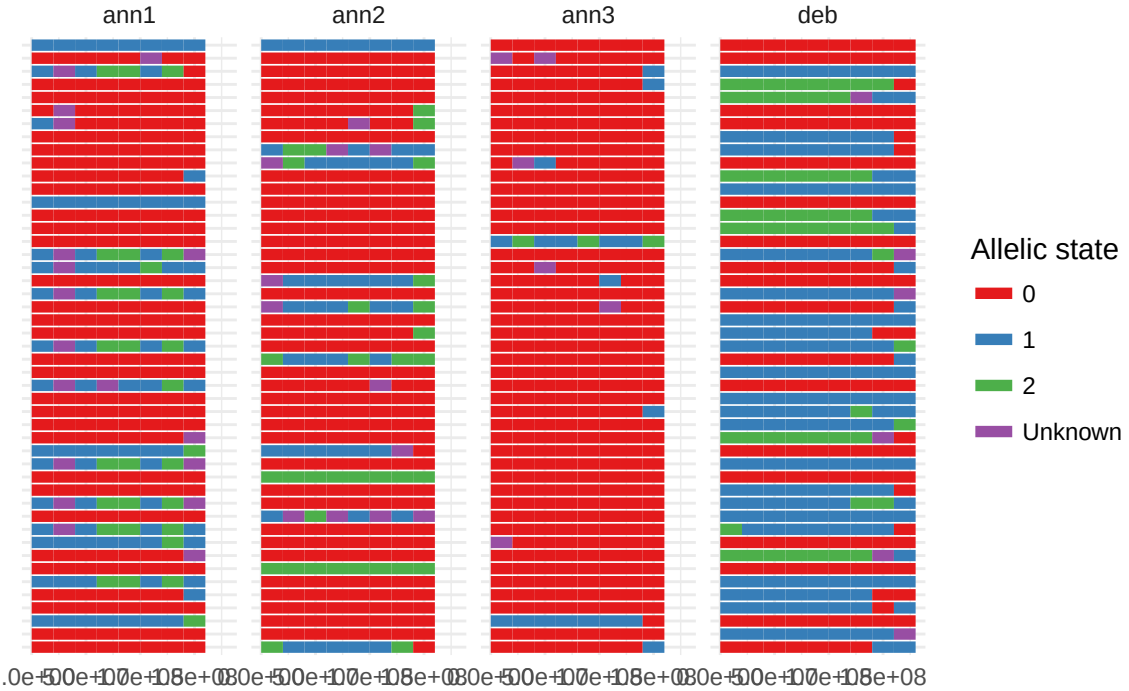


BFL 4 HanXRQChr01 10MB window



BFL 4 HanXRQChr02 10MB window



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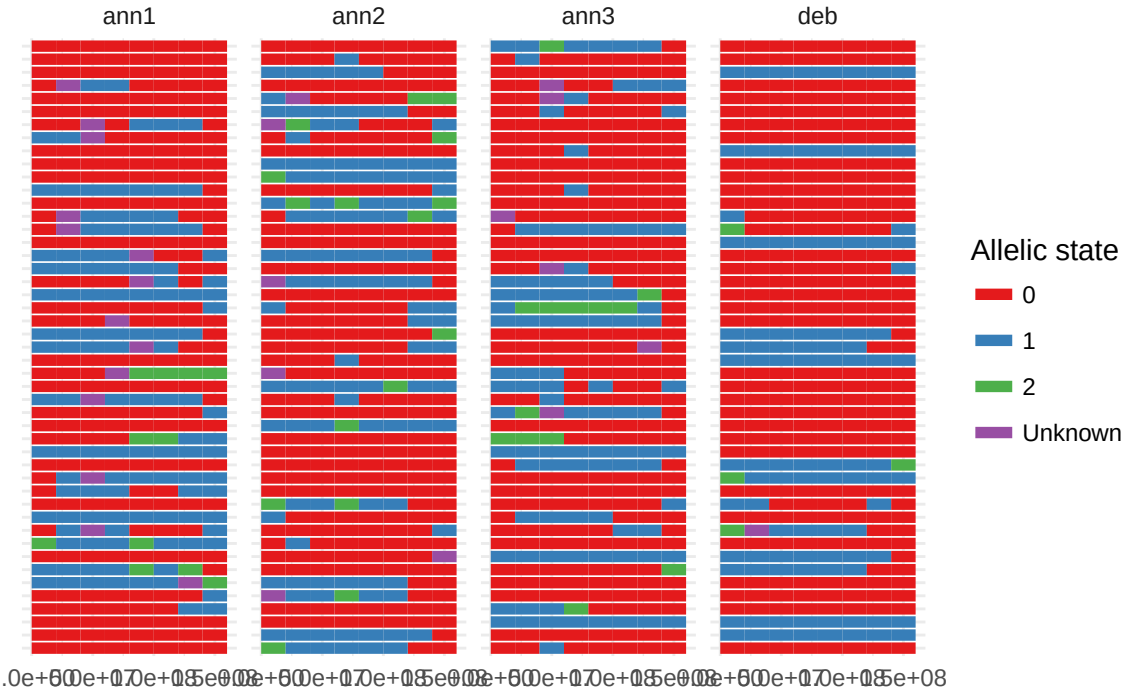

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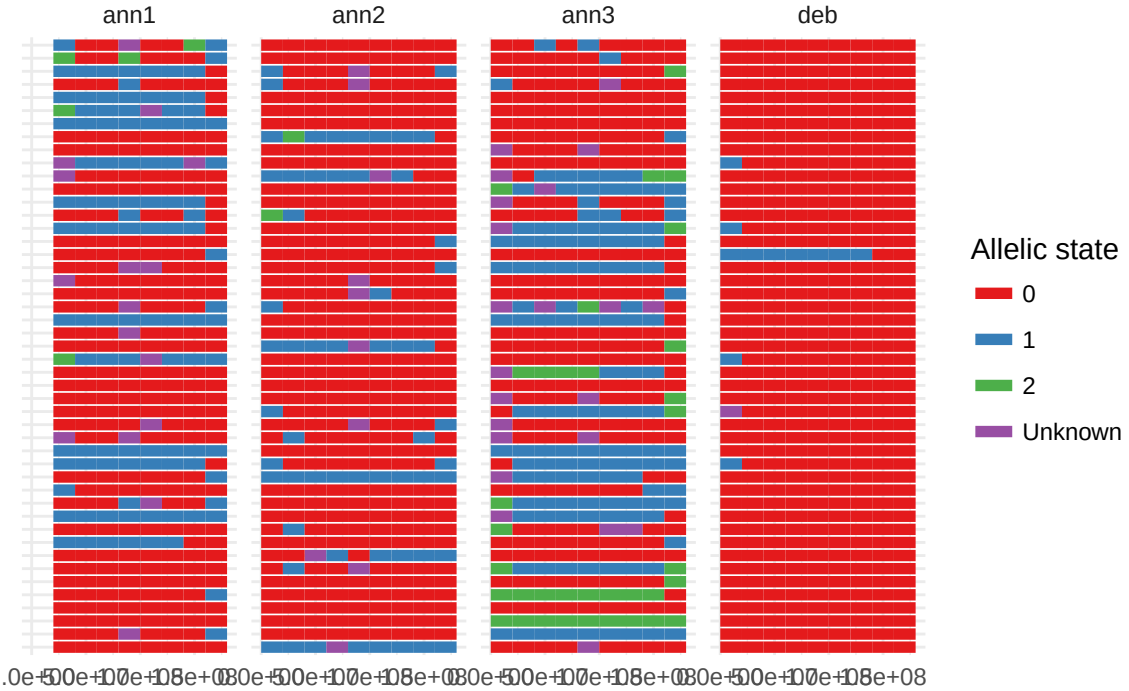

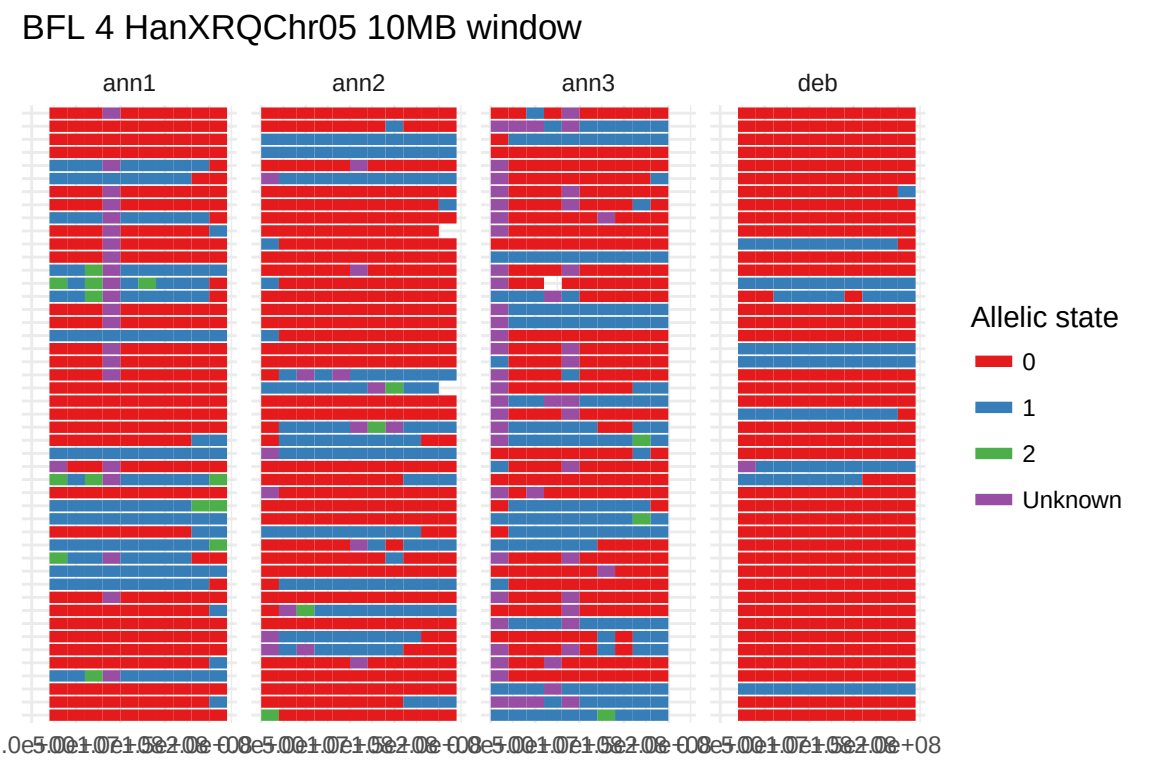
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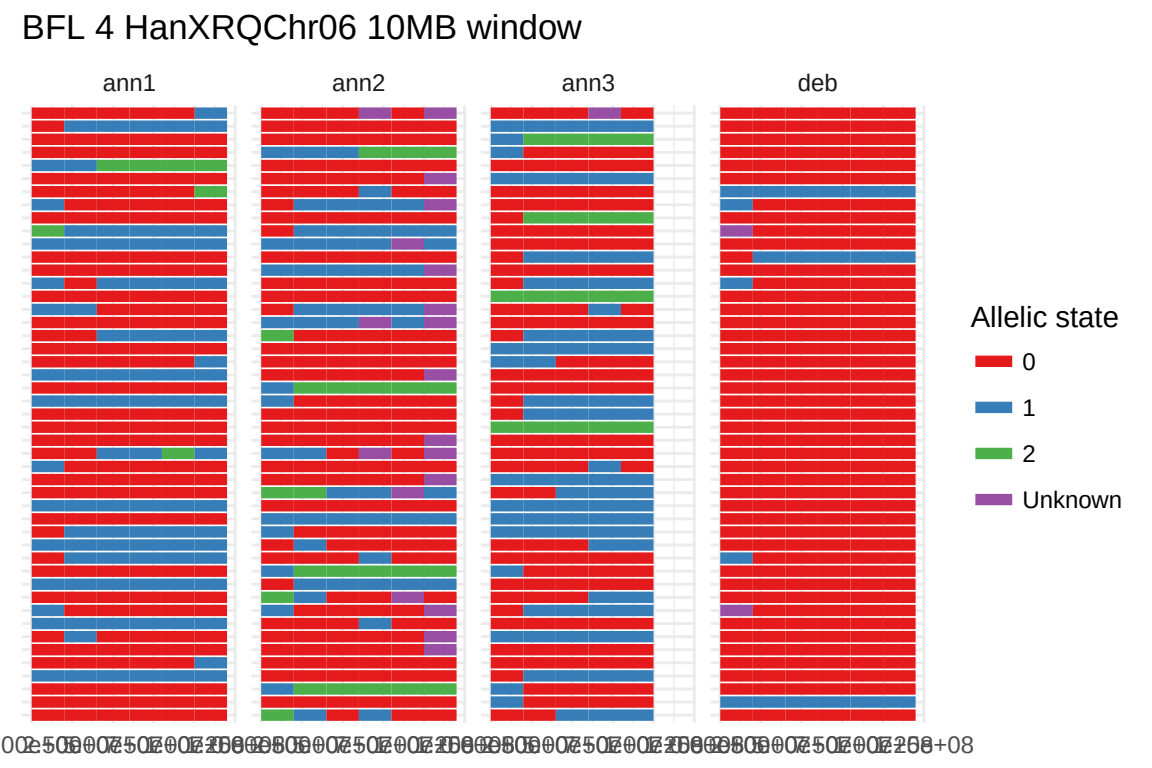
ann3
deb
Allelic state
0
1
2
Unknown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ann3
deb
Allelic state
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2
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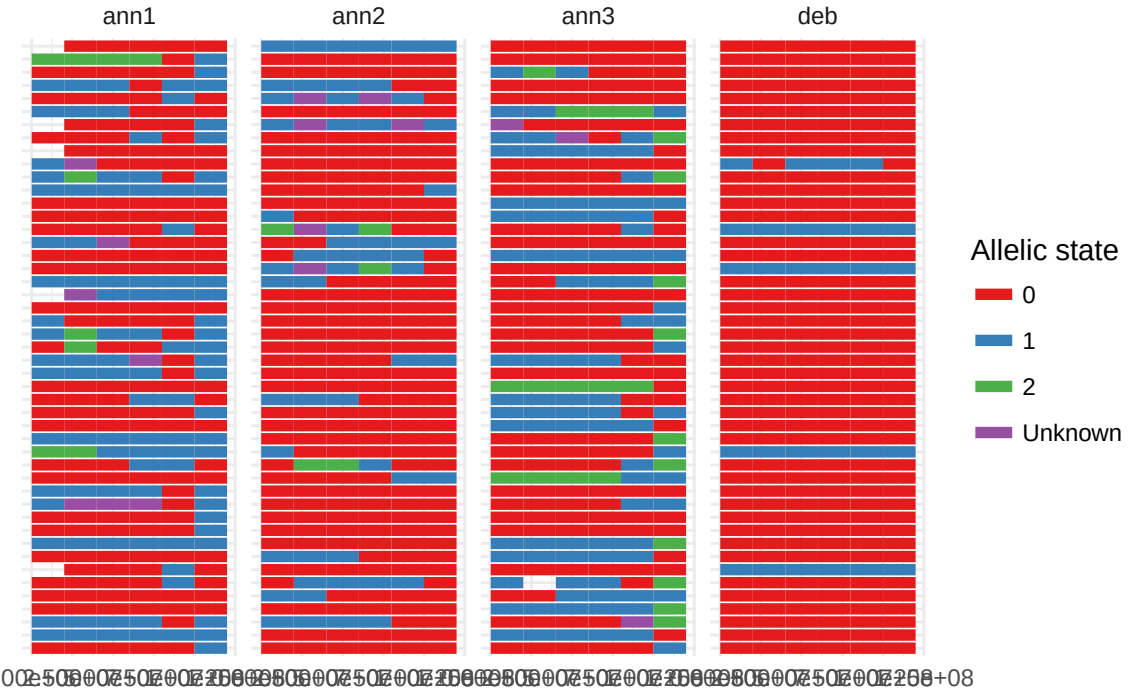
BFL 4 HanXRQChr07 10MB window



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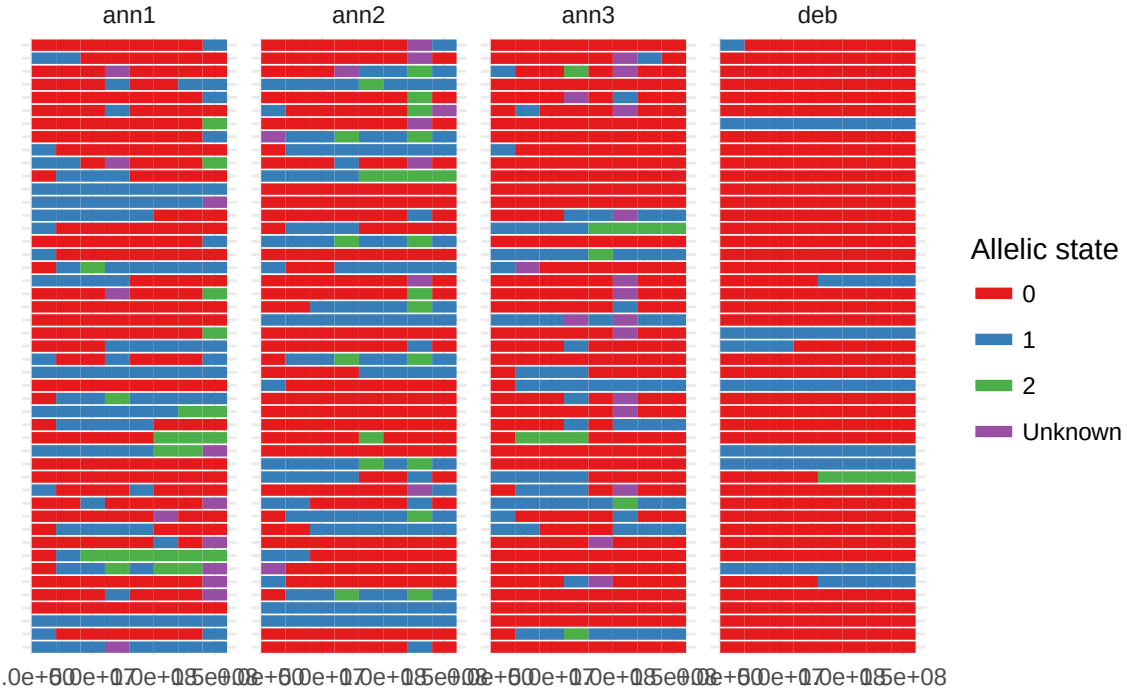

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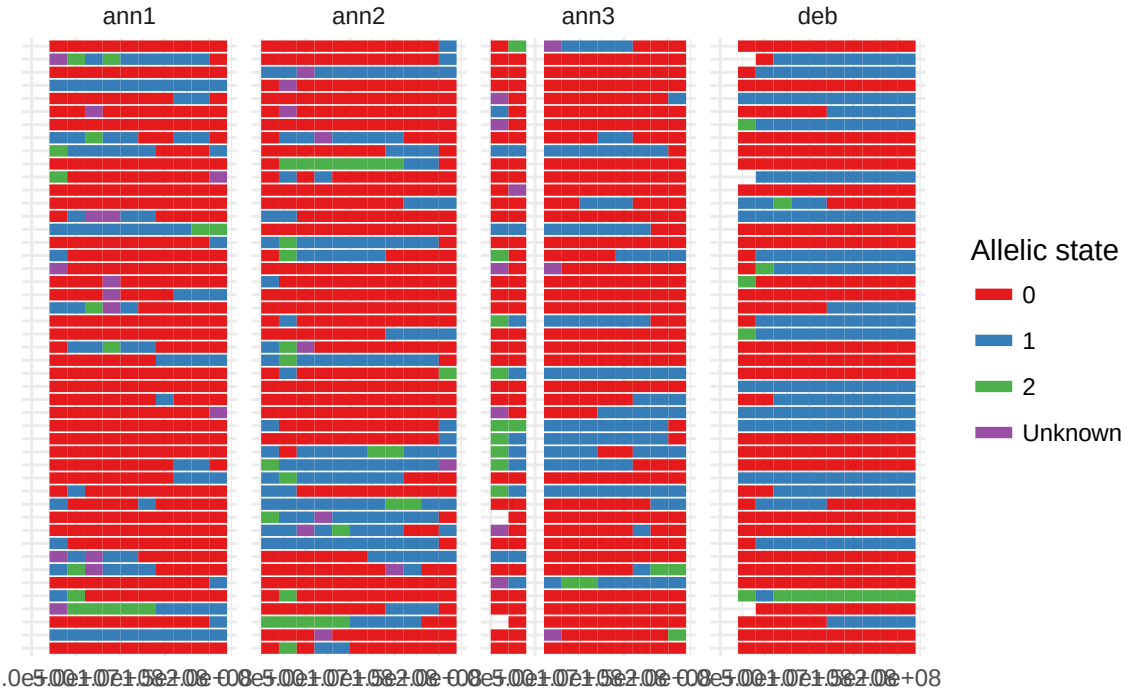

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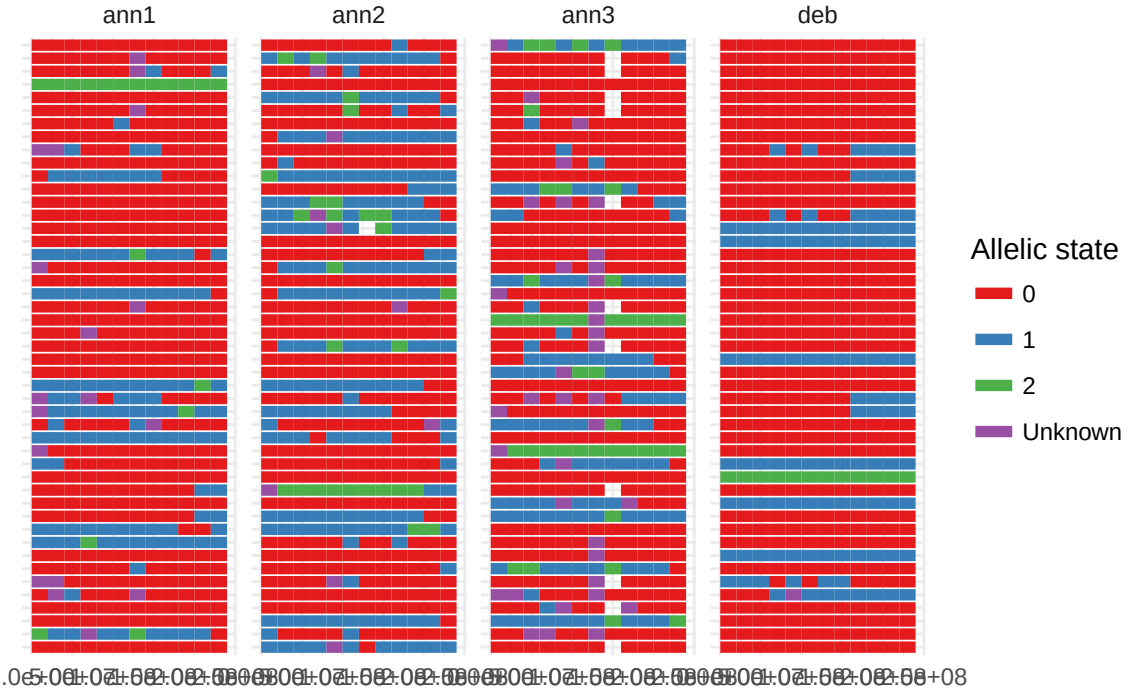

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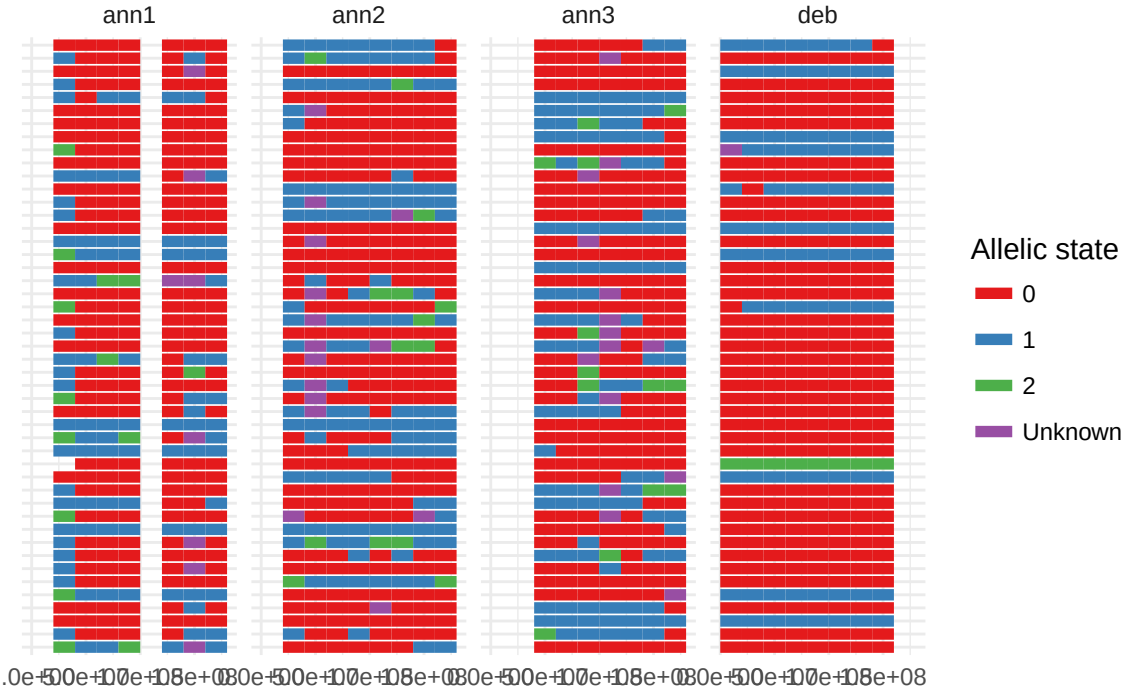

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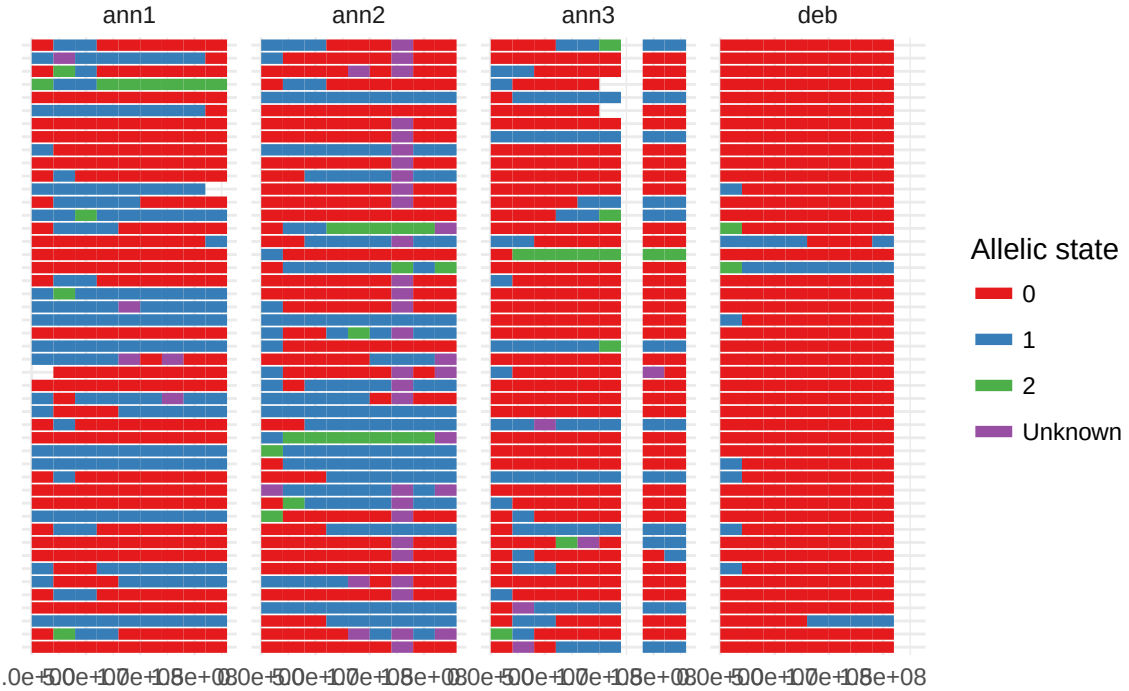

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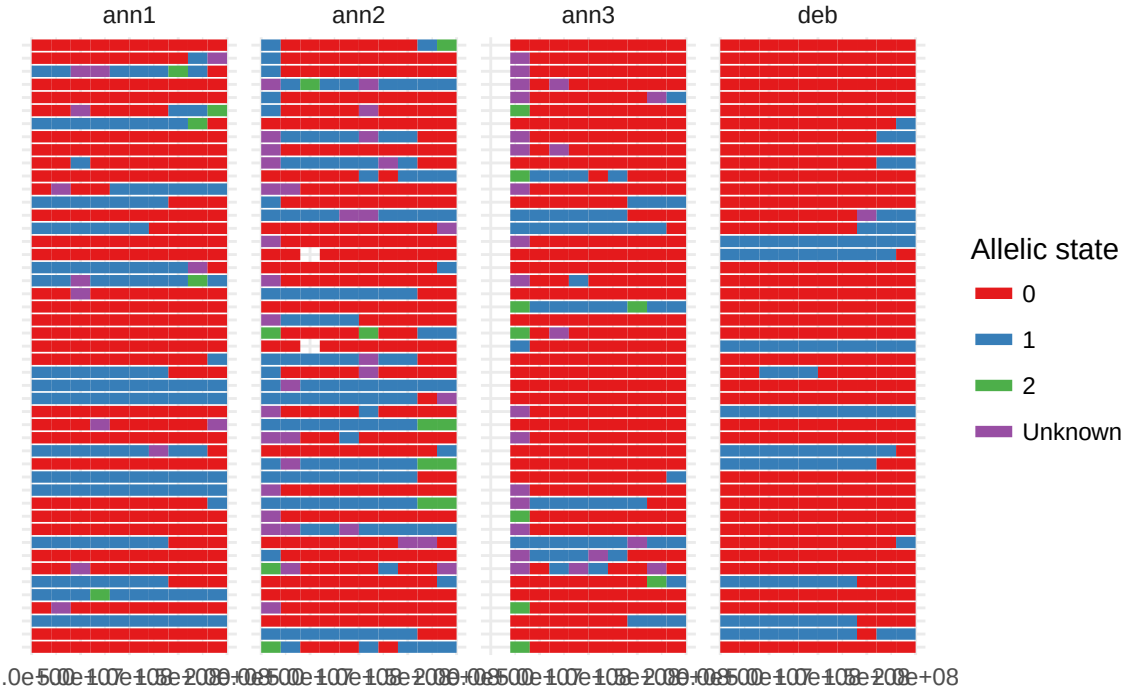

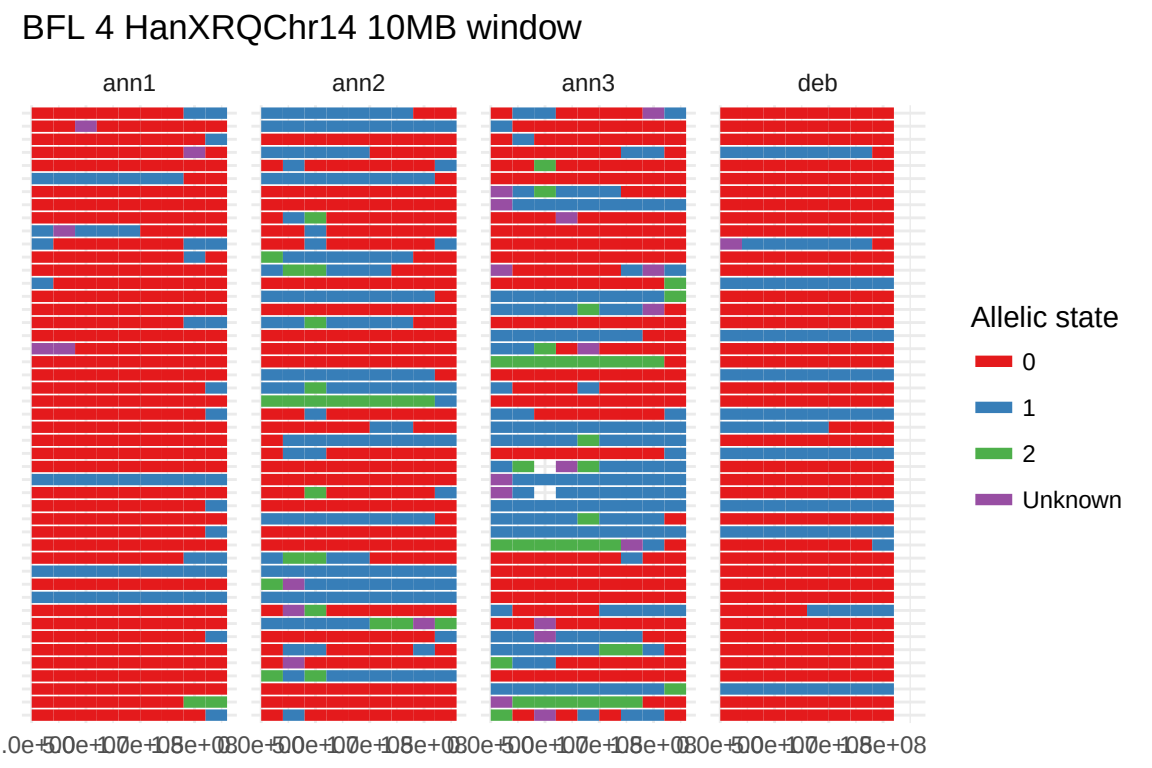
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ann2
ann3
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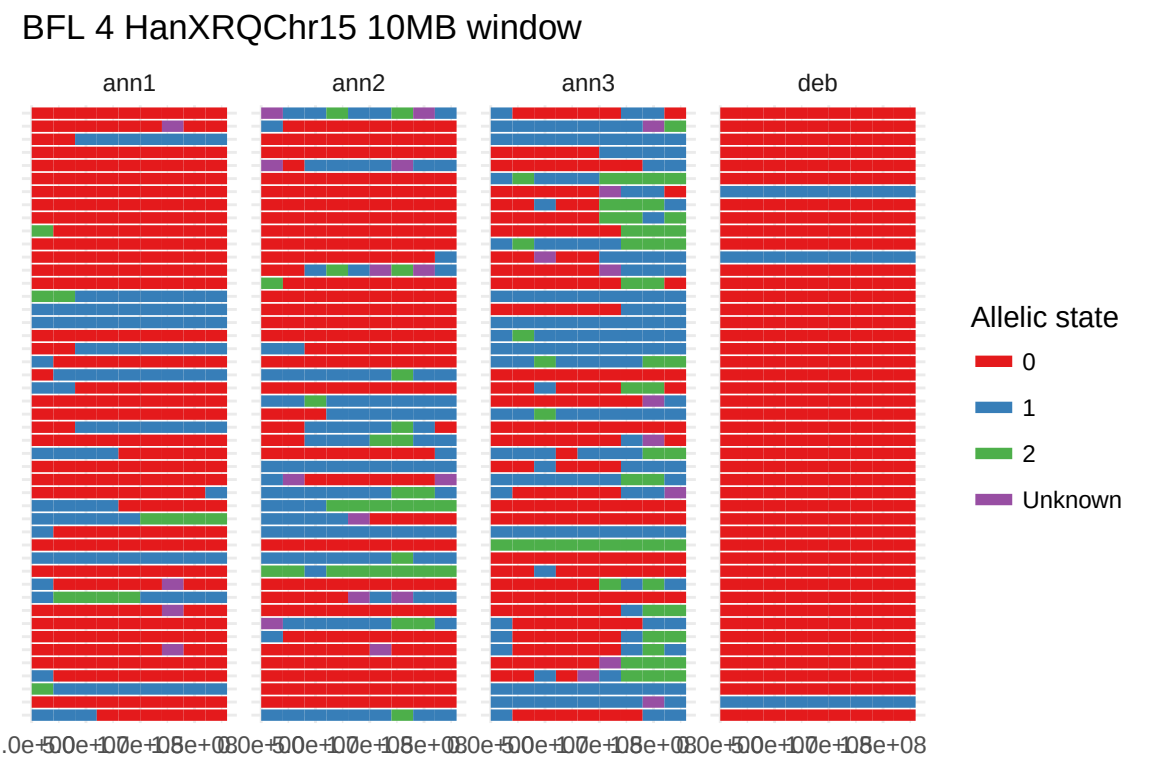
Allelic state
0
1
2
Unknown


BFL 4 HanXRQChr15 10MB window
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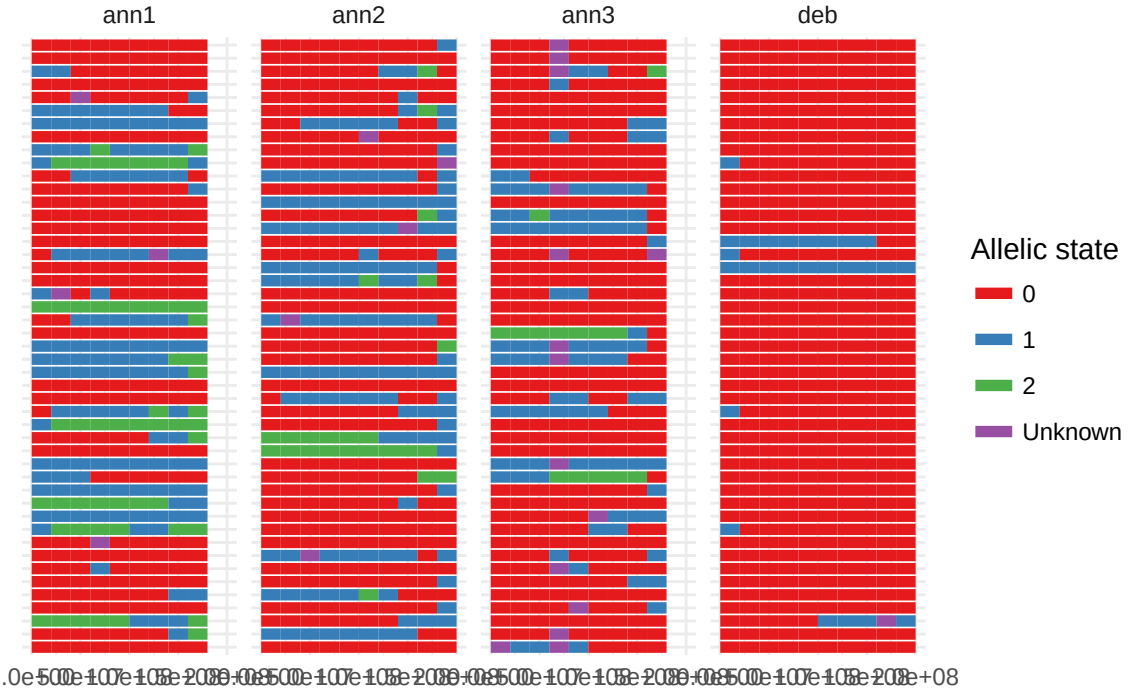
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 4 HanXRQChr16 10MB window



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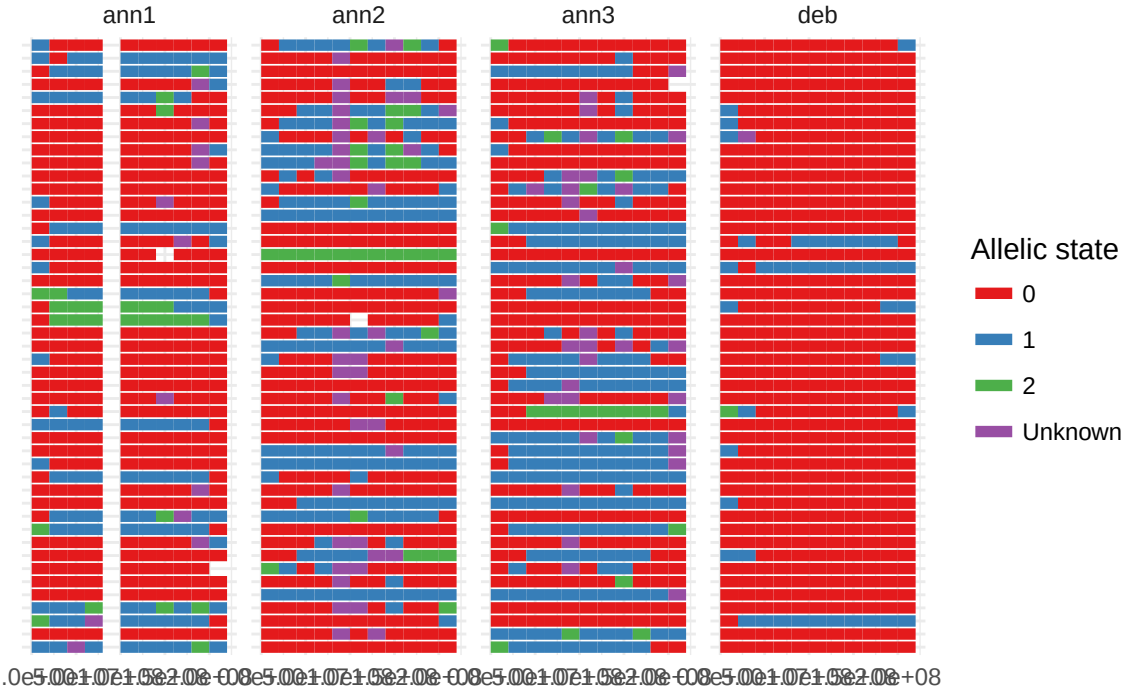

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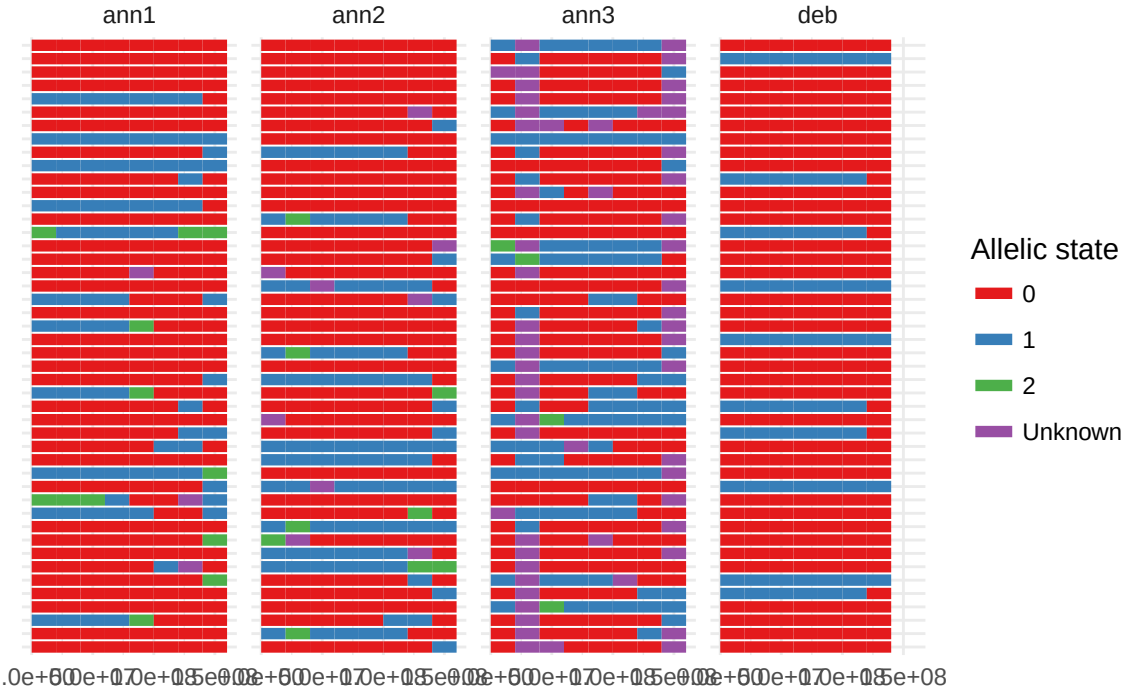

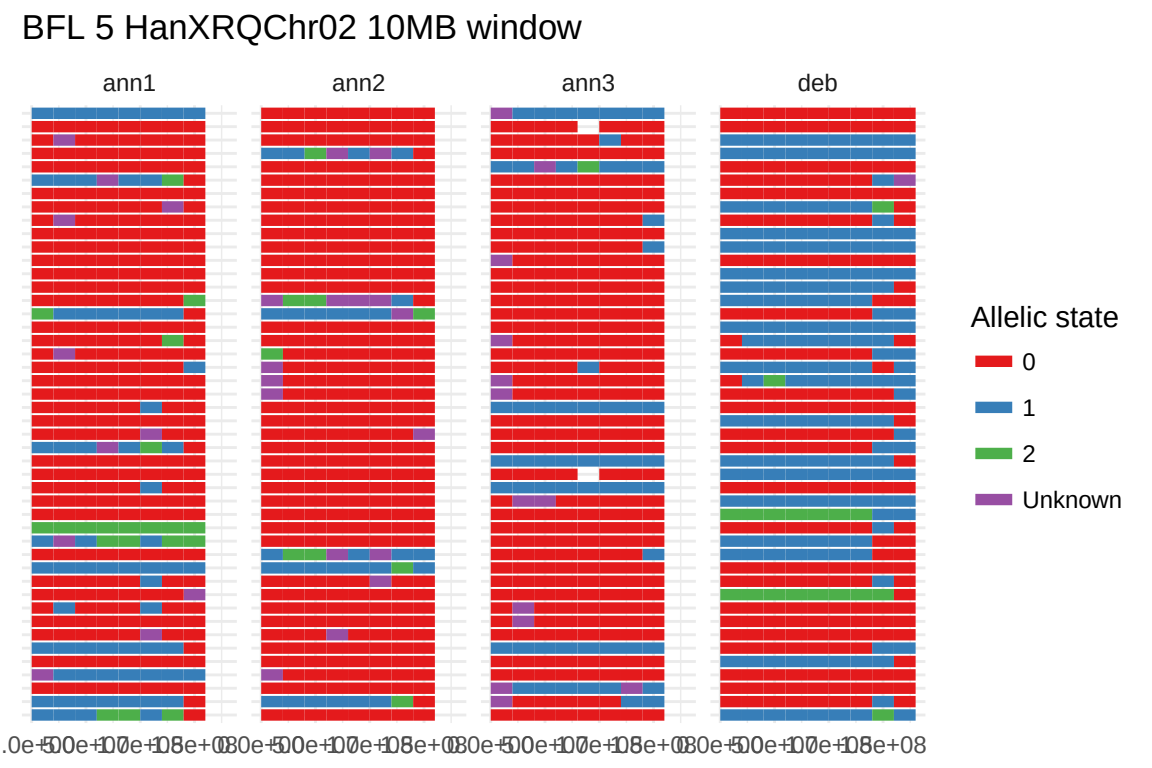
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deb
Allelic state
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1
2
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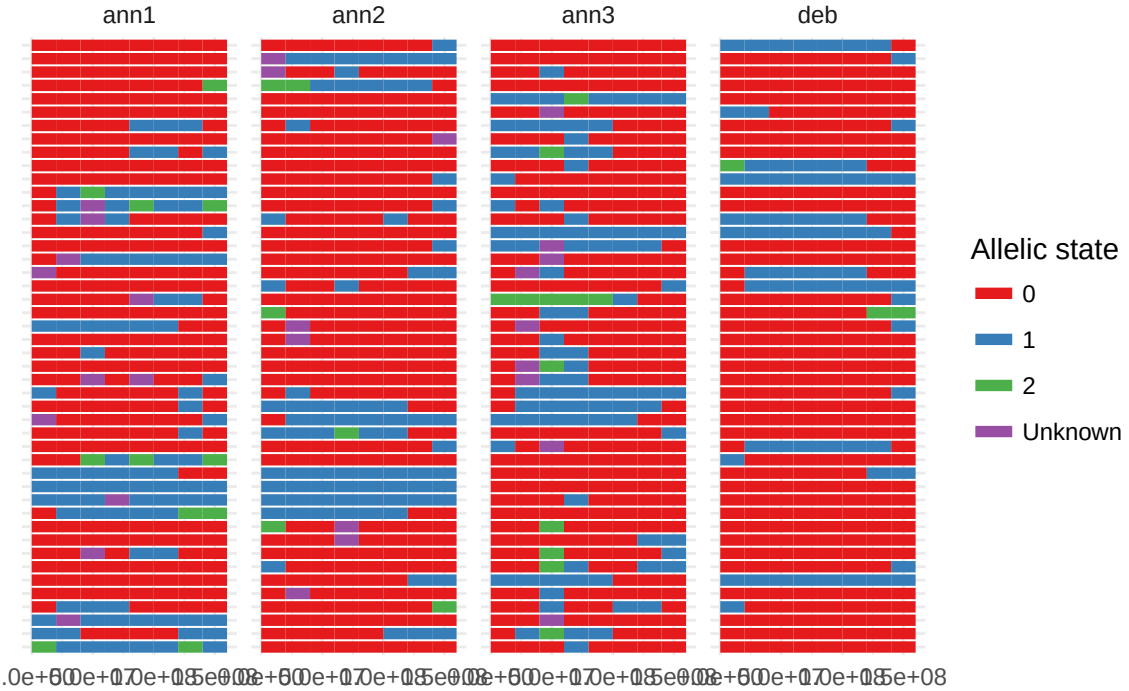
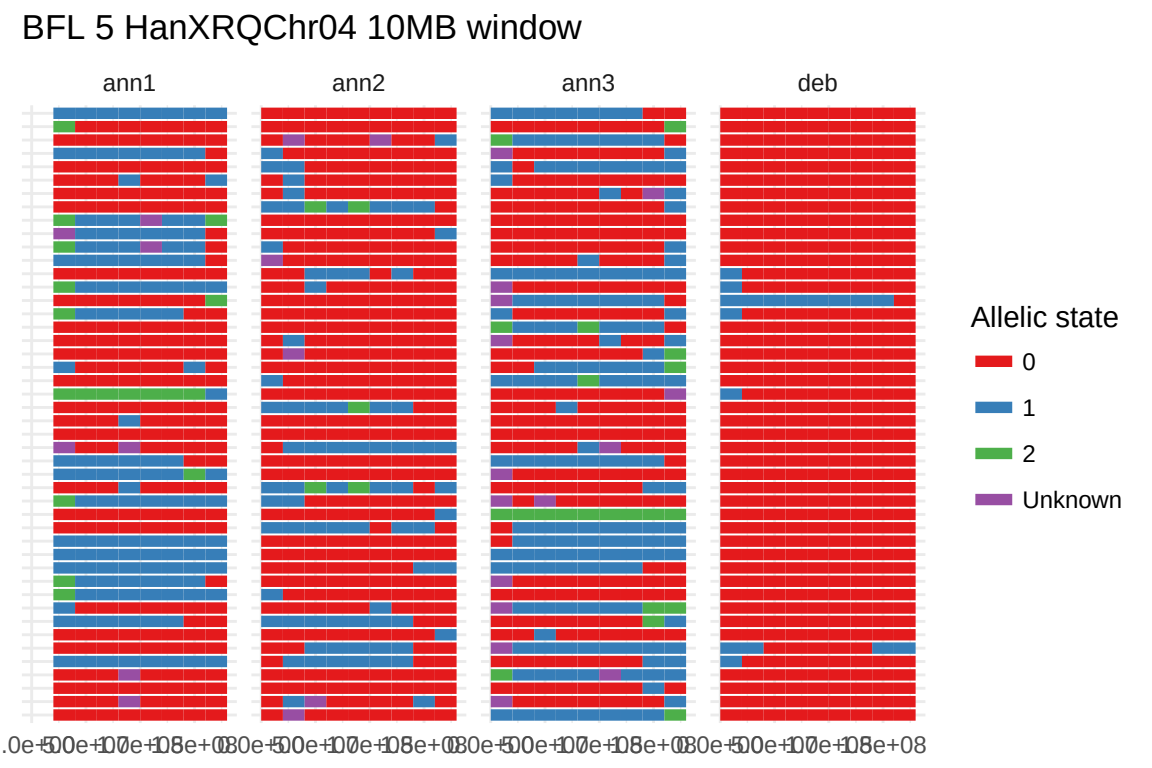
BFL 5 HanXRQChr03 10MB window

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ann3
deb
Allelic state
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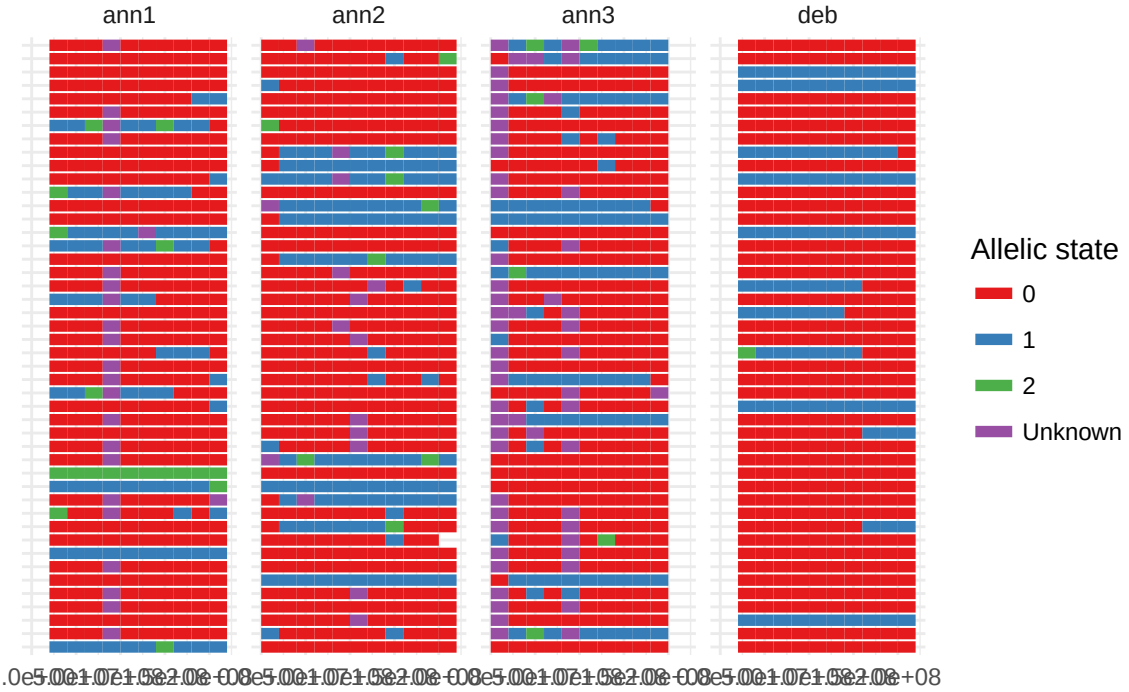
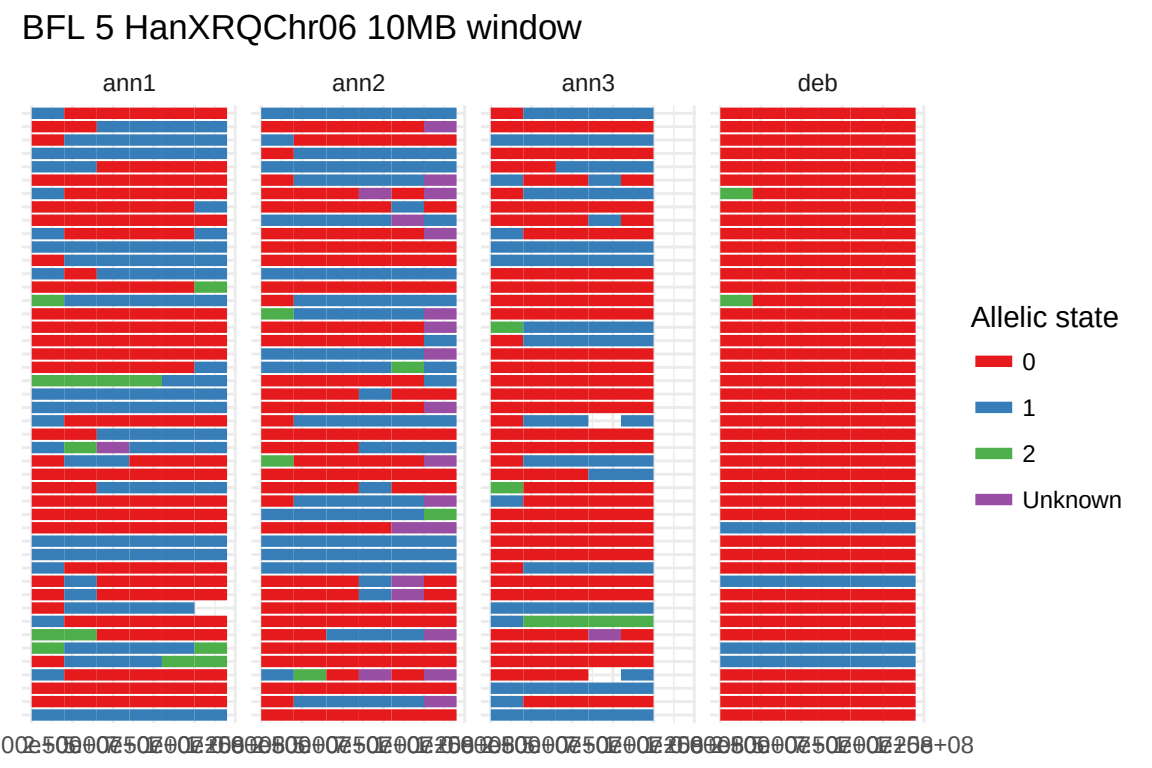
1
2
Unknown

BFL 5 HanXRQChr05 10MB window

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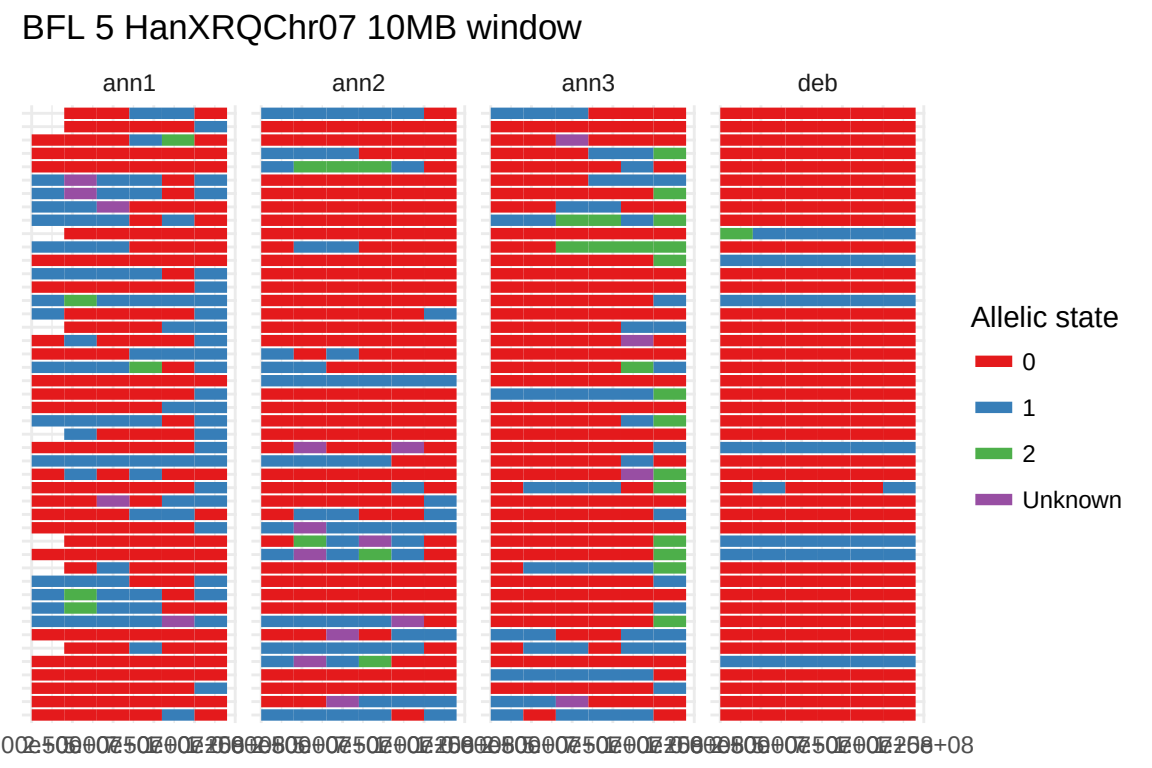
1
2
Unknown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ann3
deb
Allelic state
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1
2
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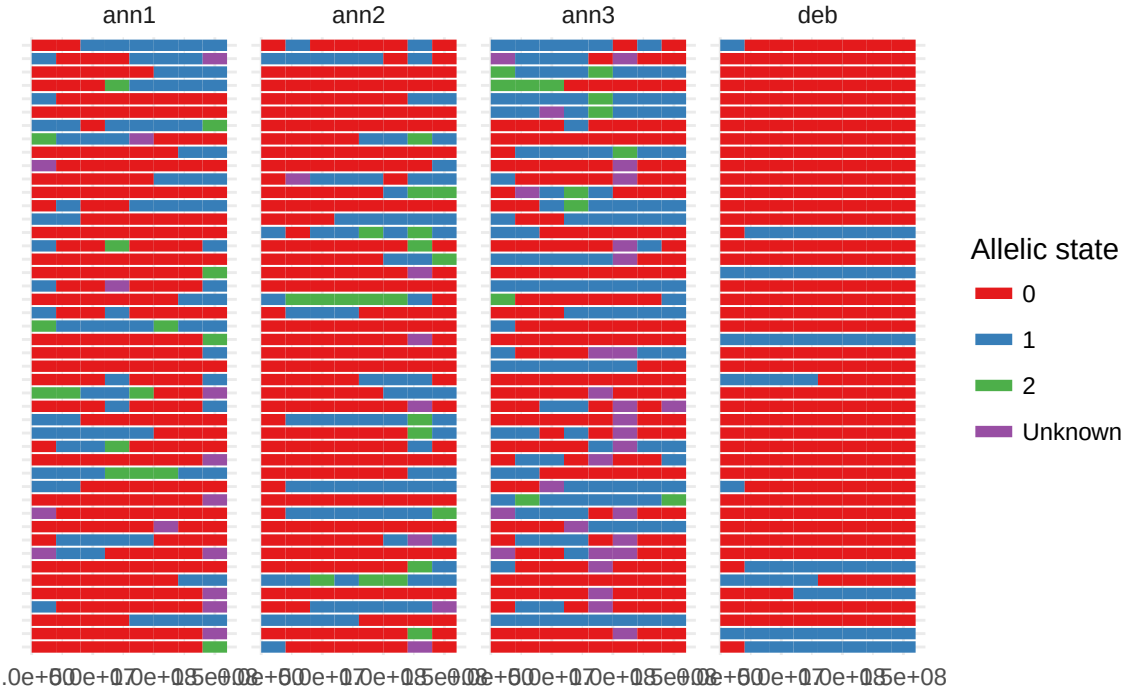
BFL 5 HanXRQChr08 10MB window



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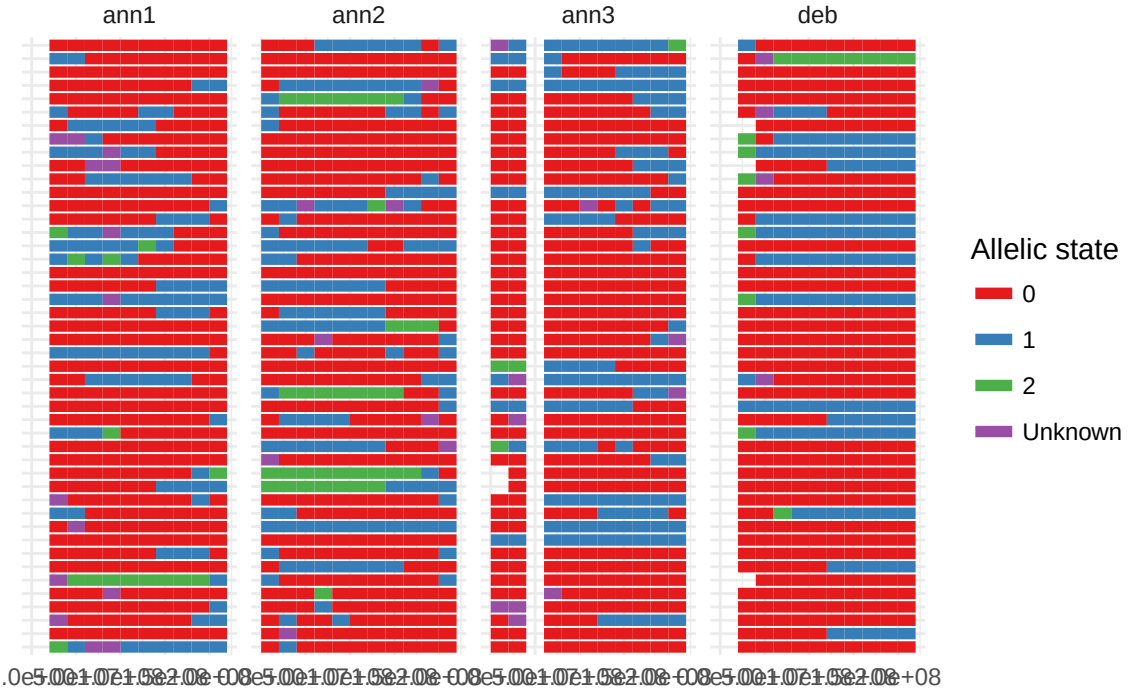

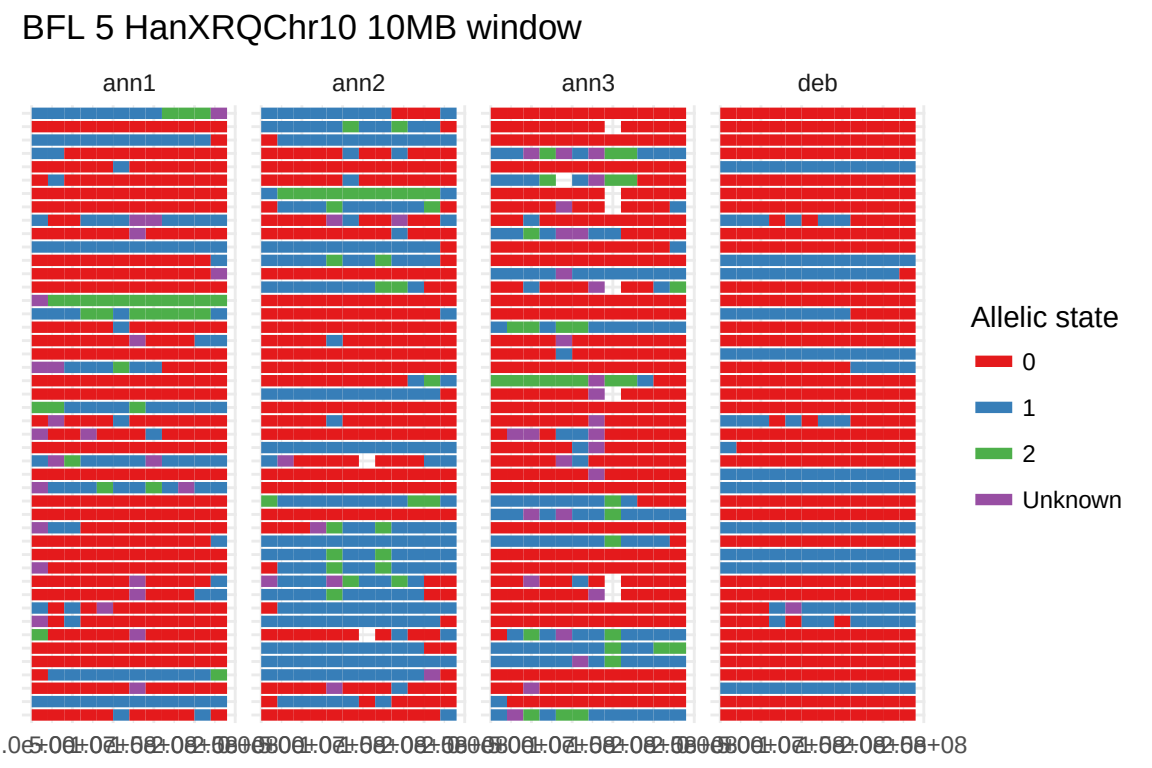
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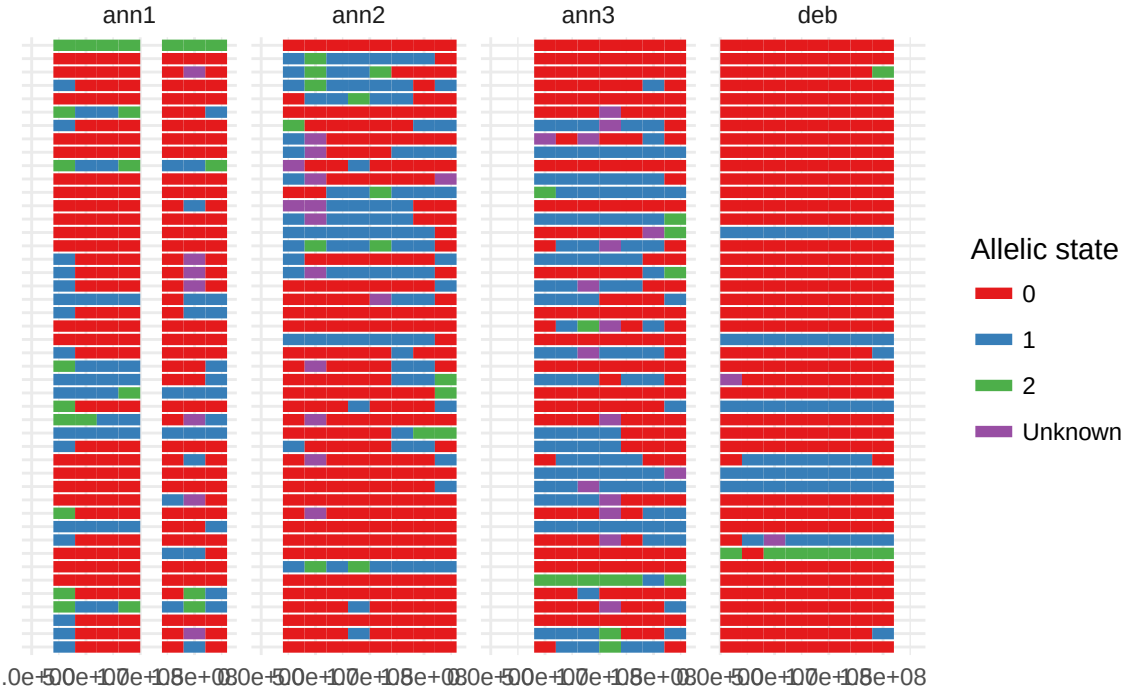
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 5 HanXRQChr11 10MB window



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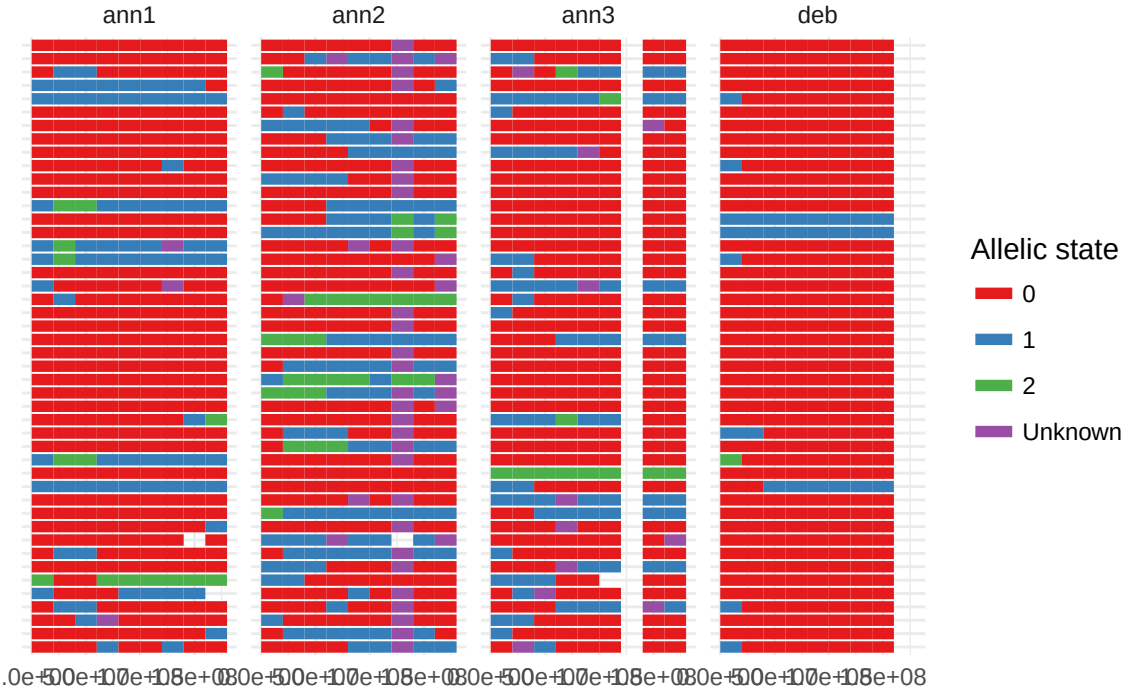

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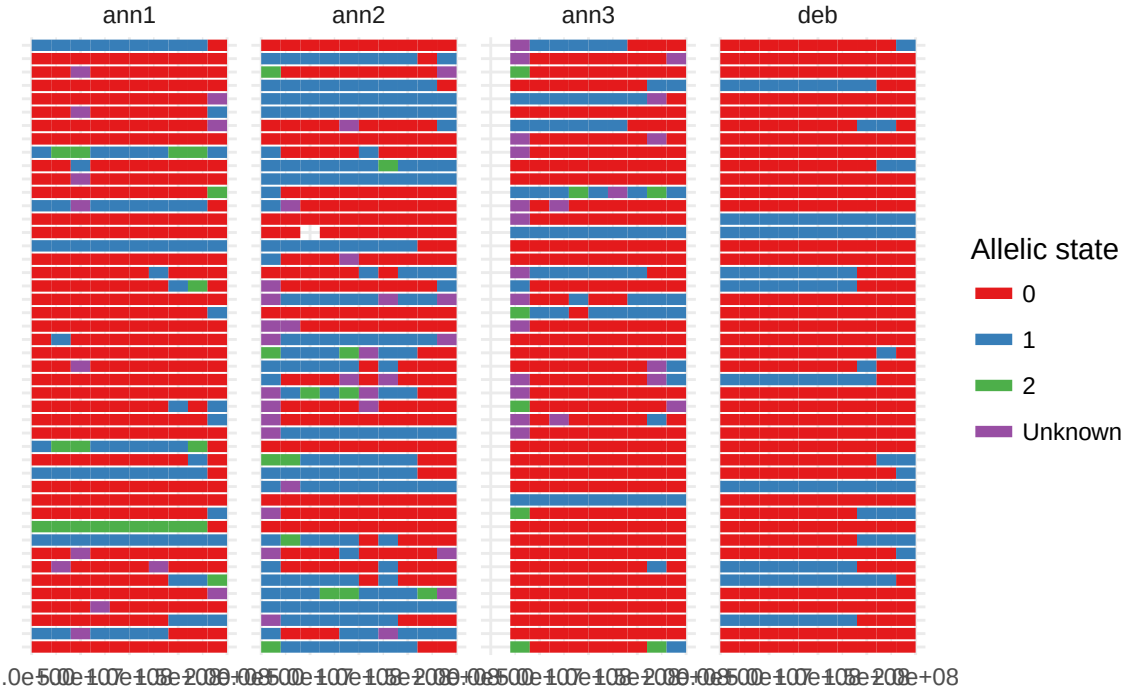

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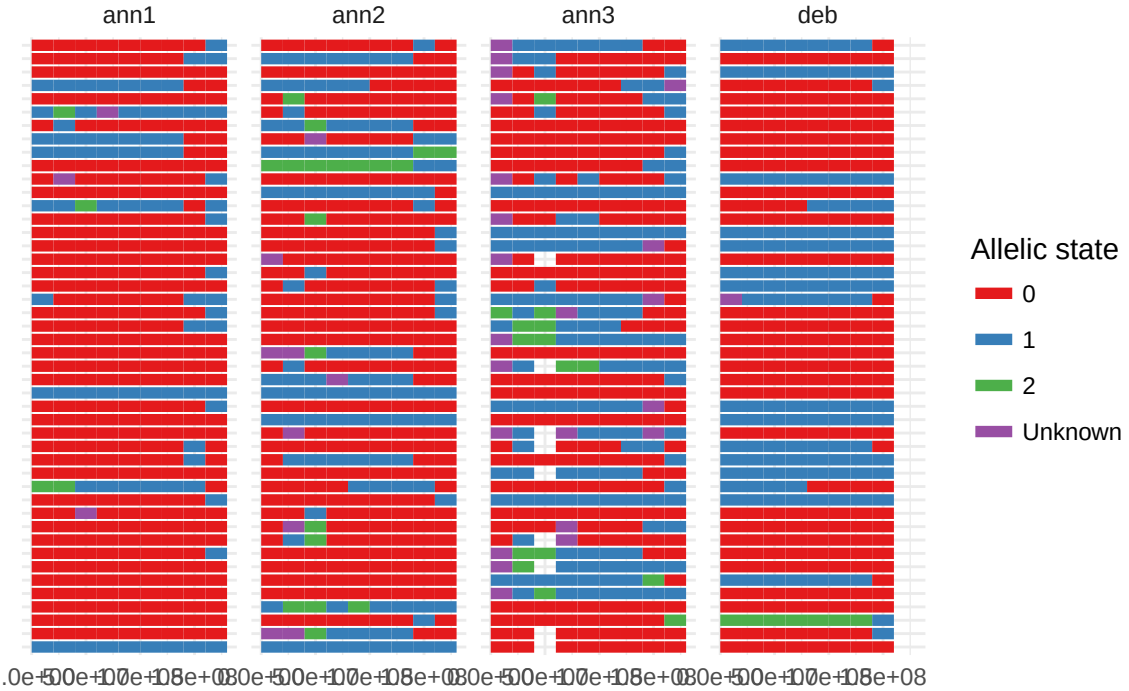

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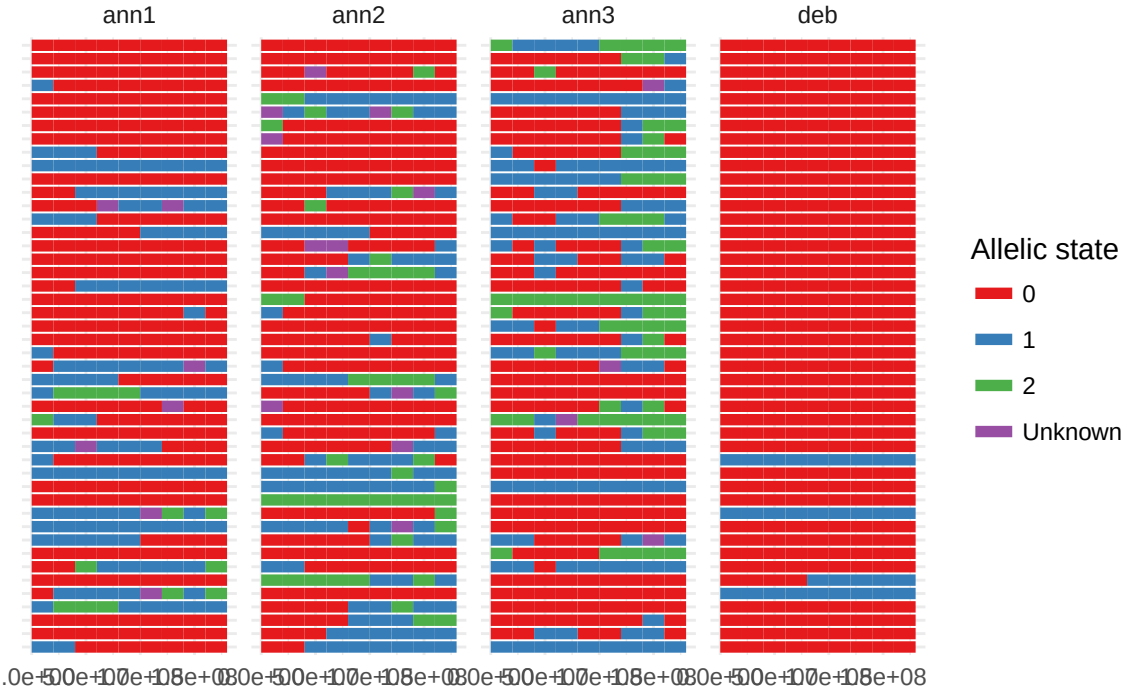

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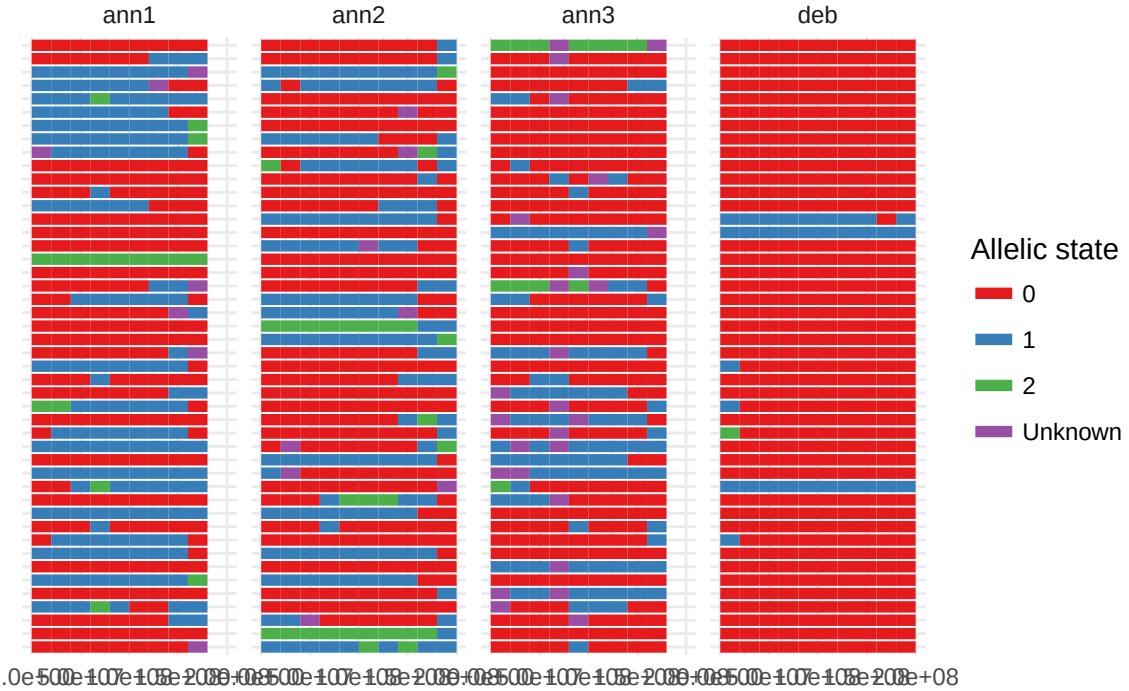

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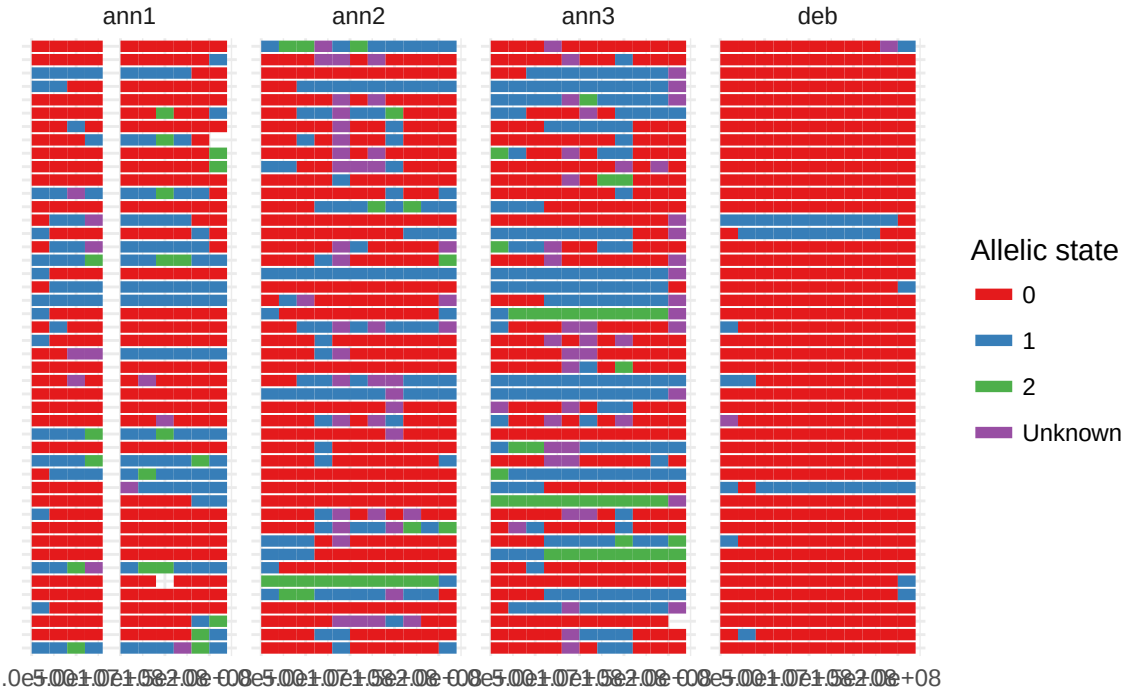

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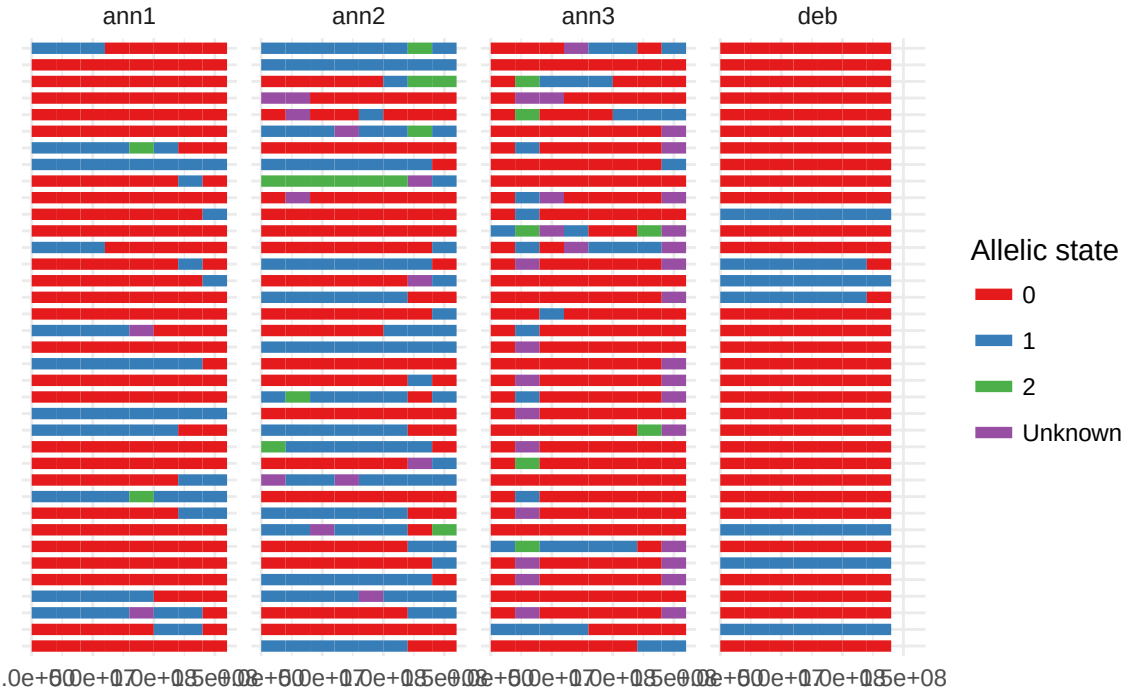

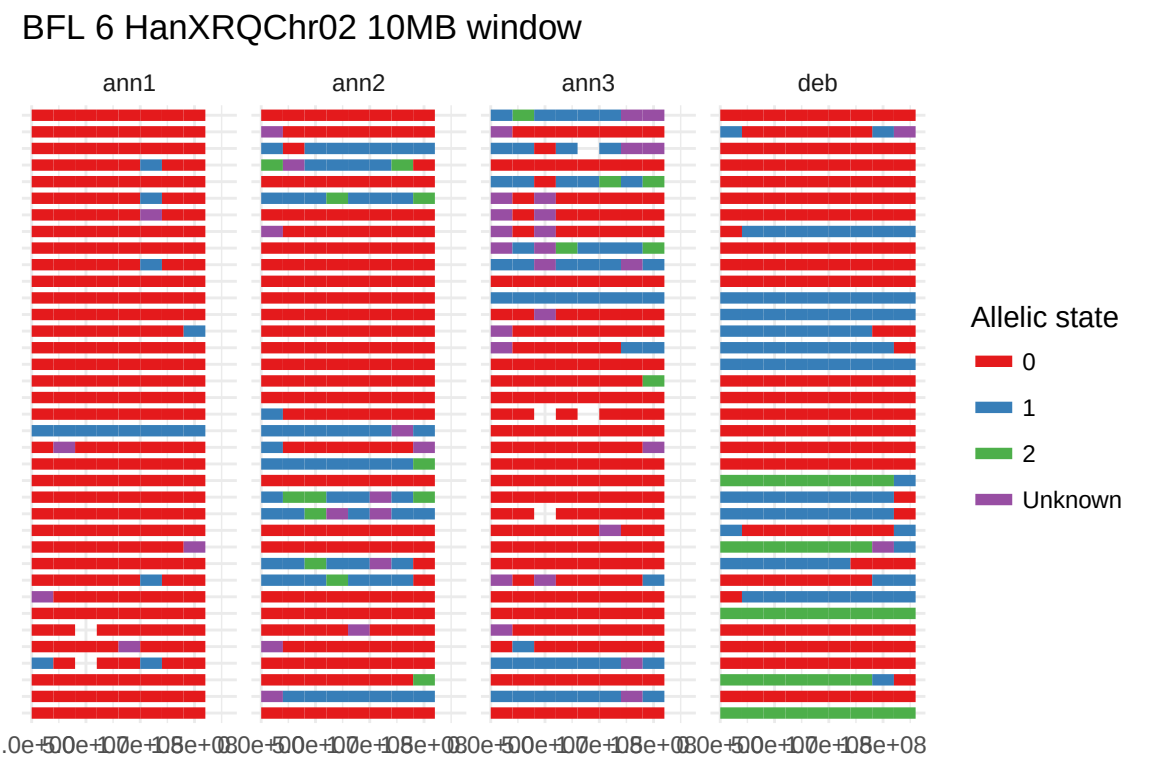
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ann3
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1
2
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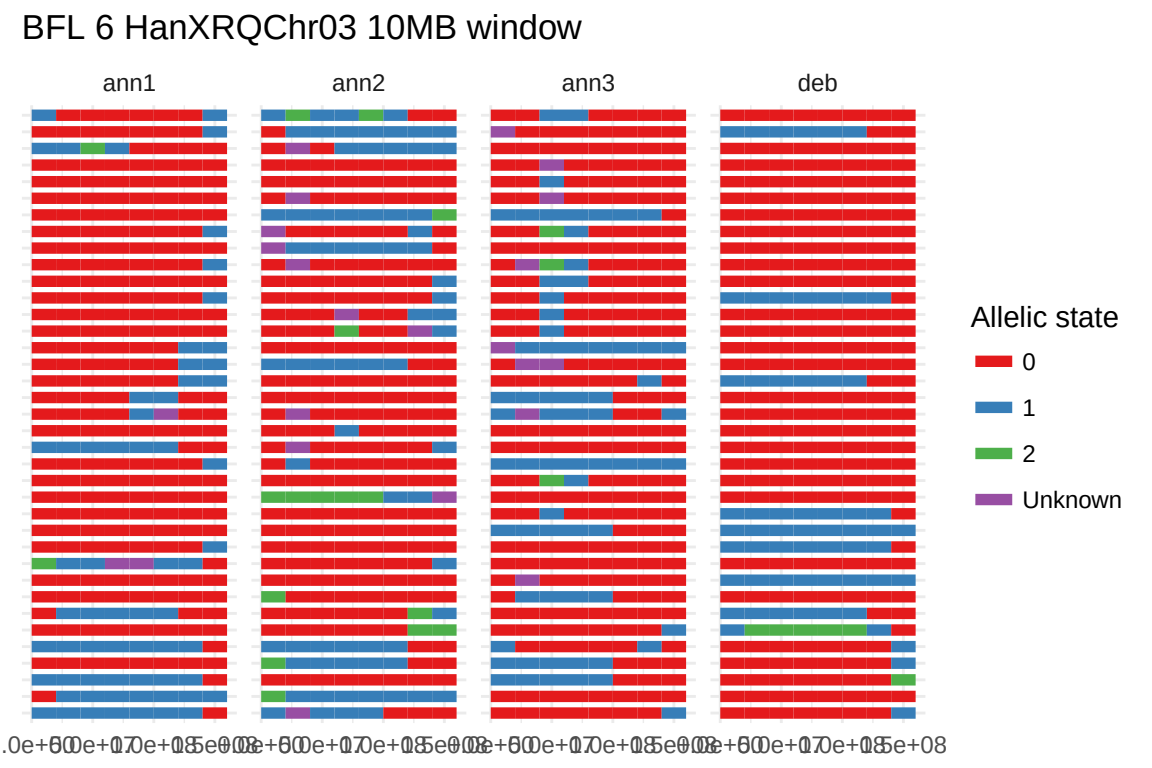
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2
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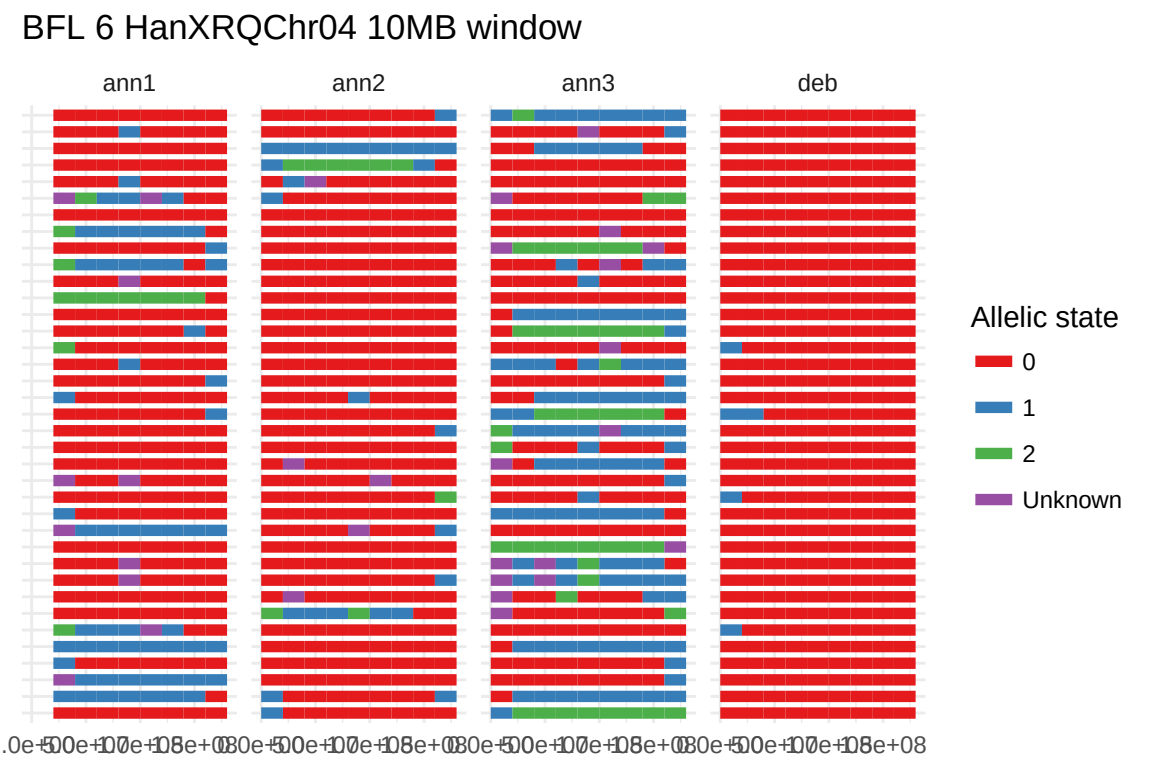
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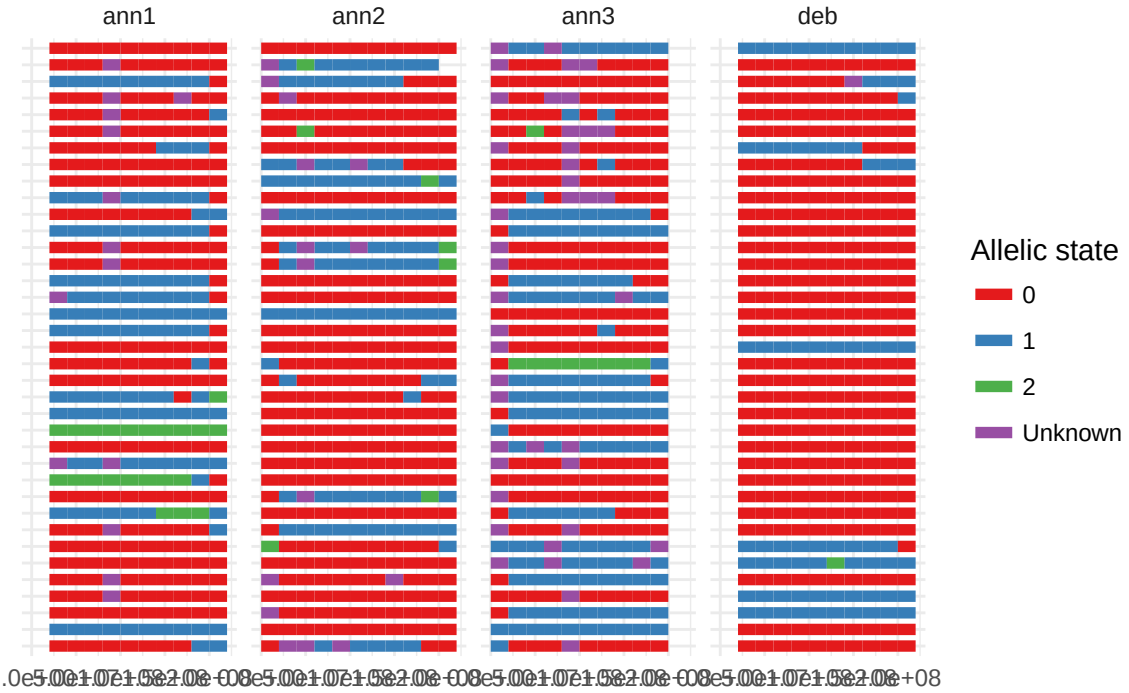
BFL 6 HanXRQChr05 10MB window



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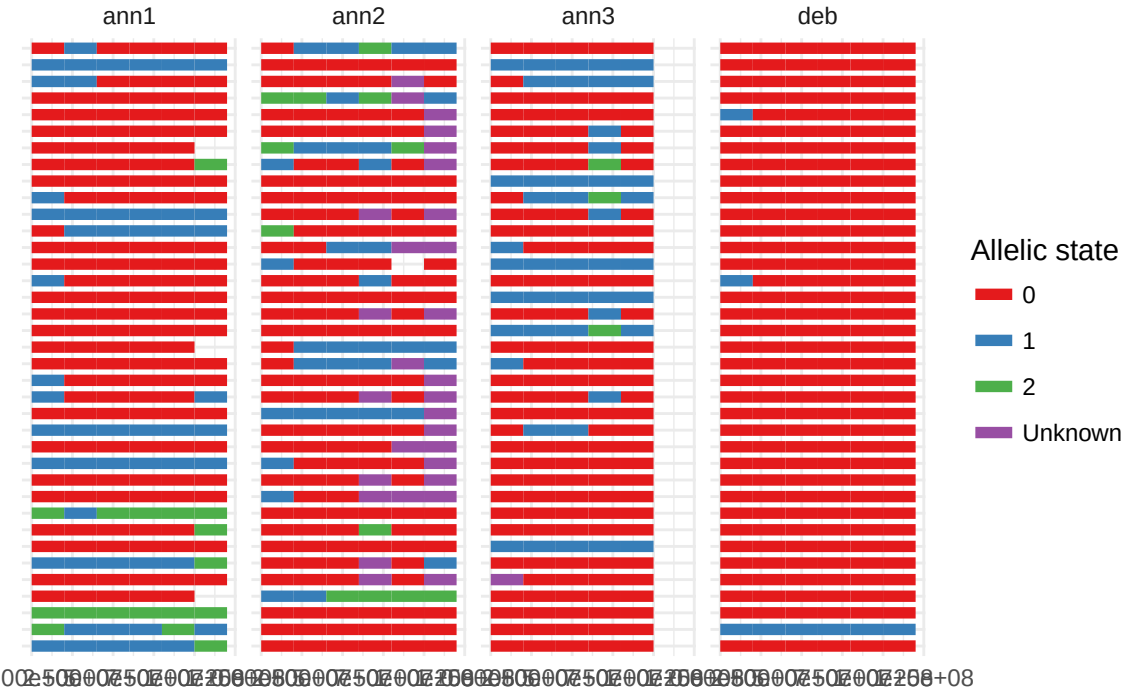

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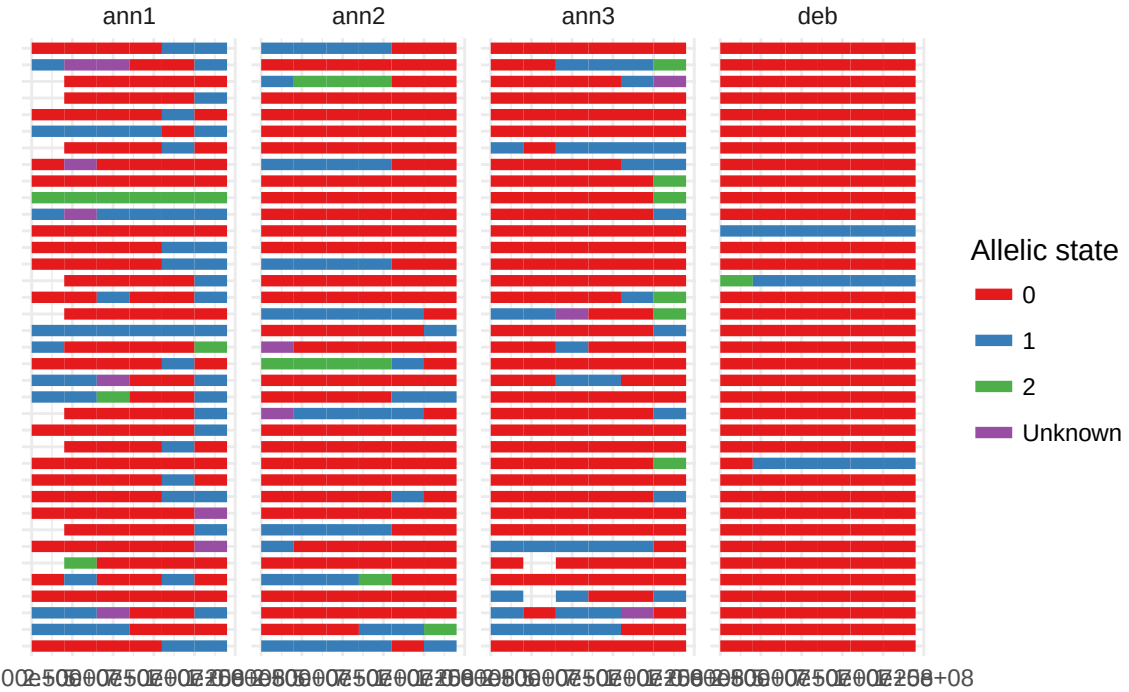

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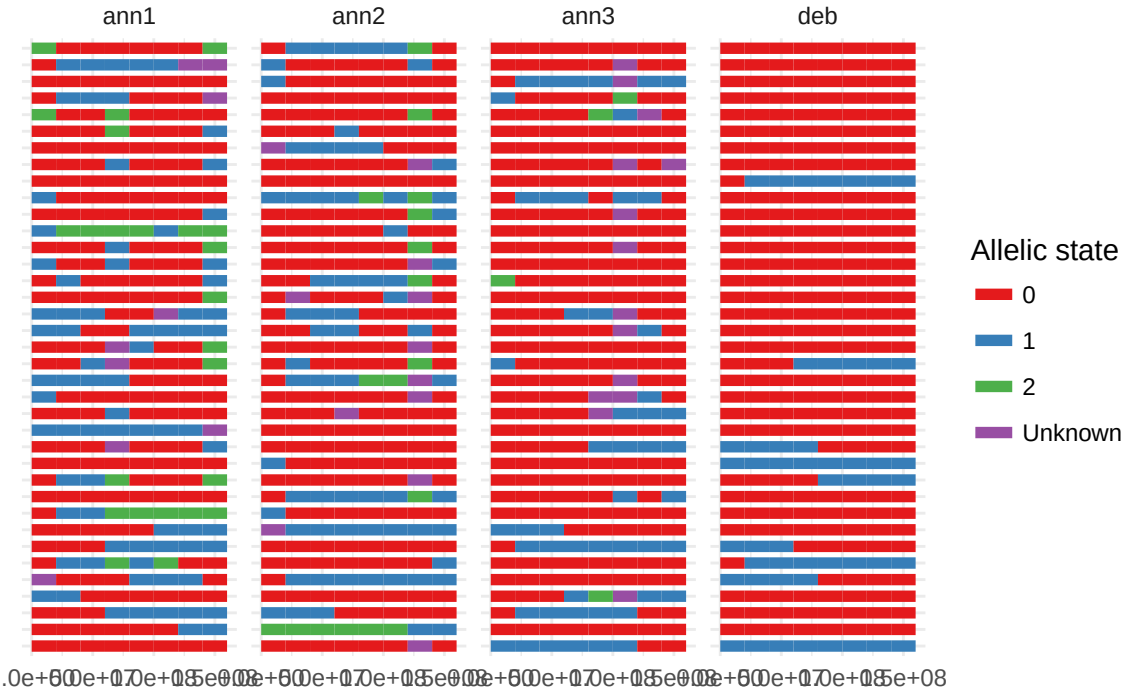

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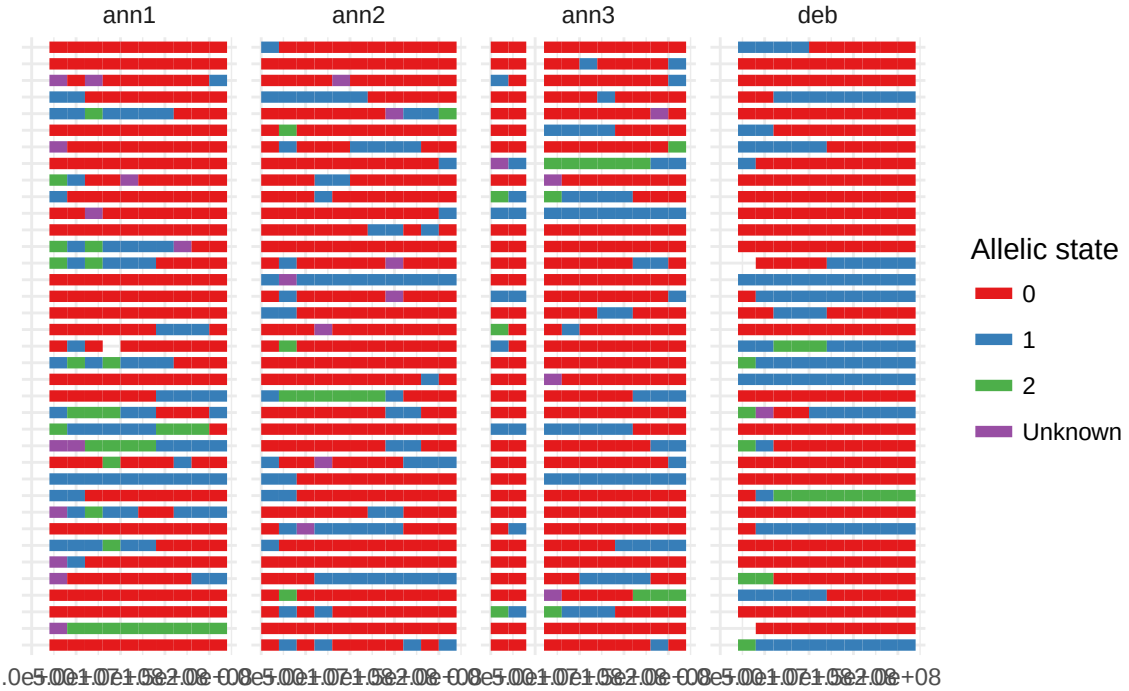

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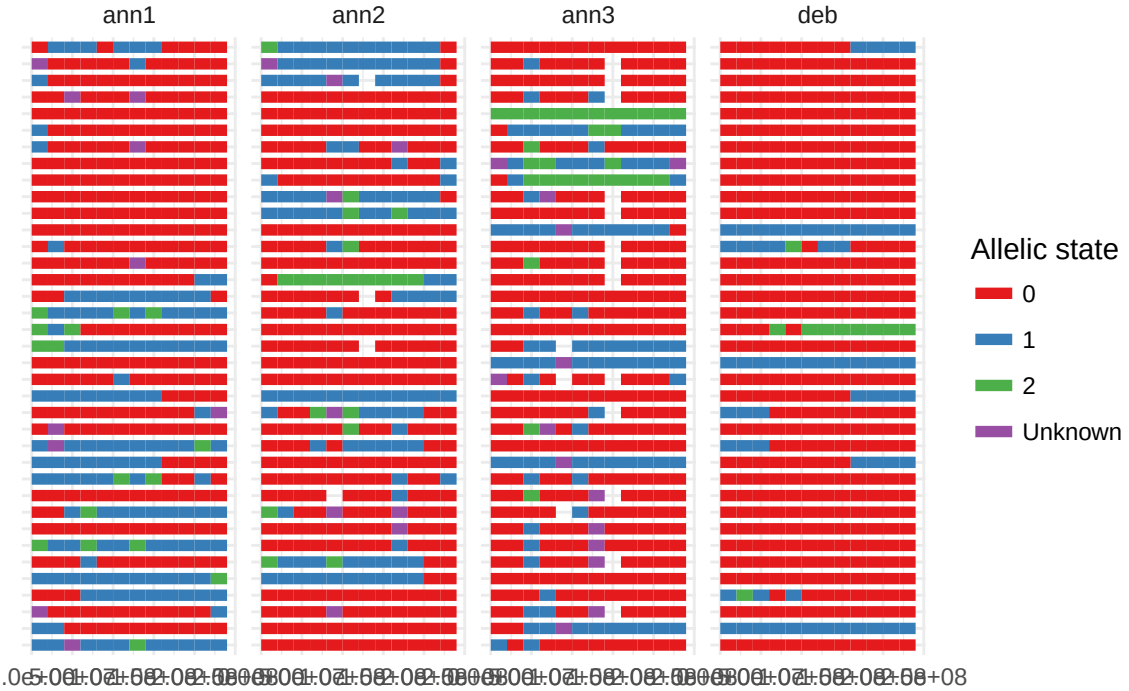
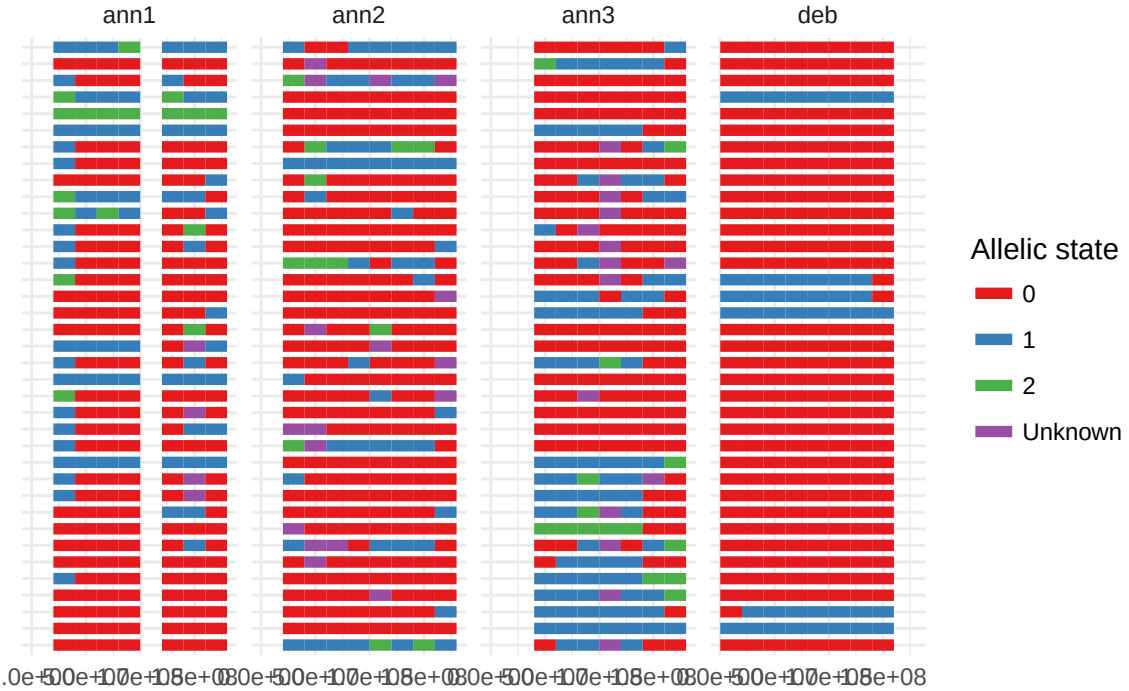


BFL 6 HanXRQChr11 10MB window



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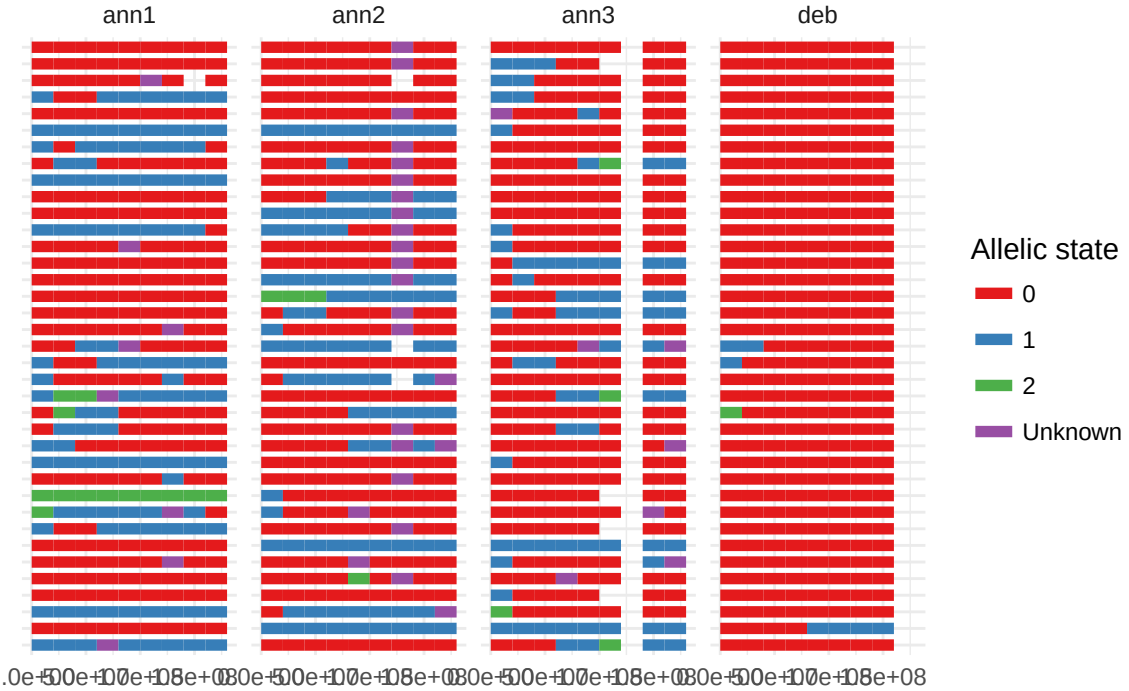

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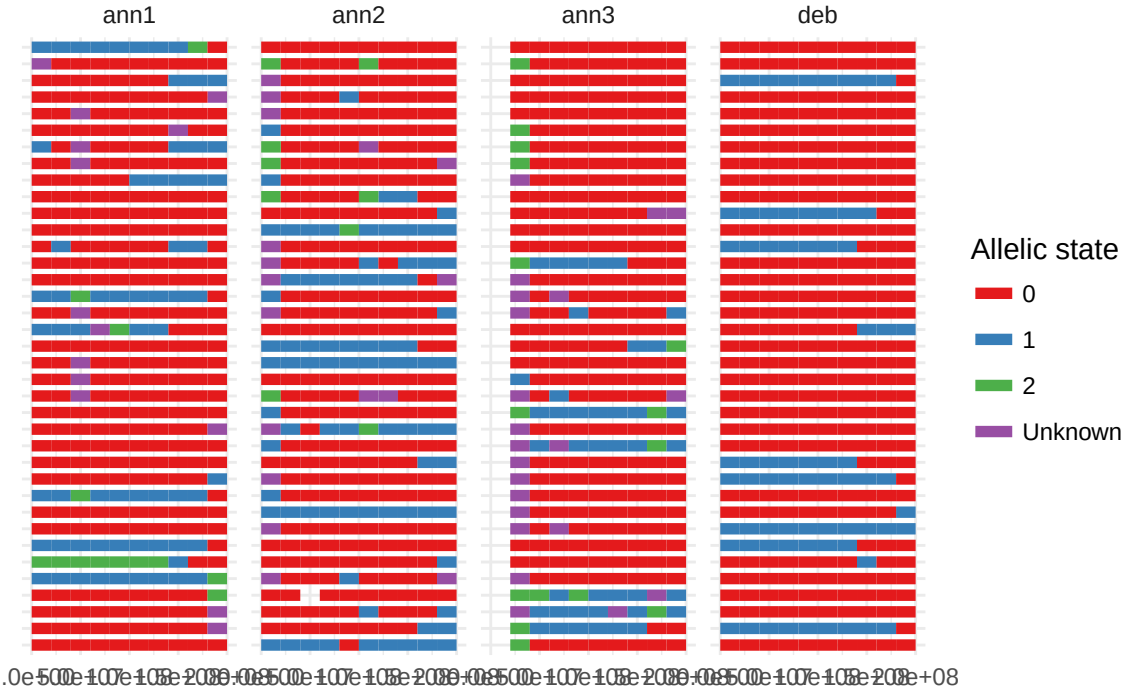

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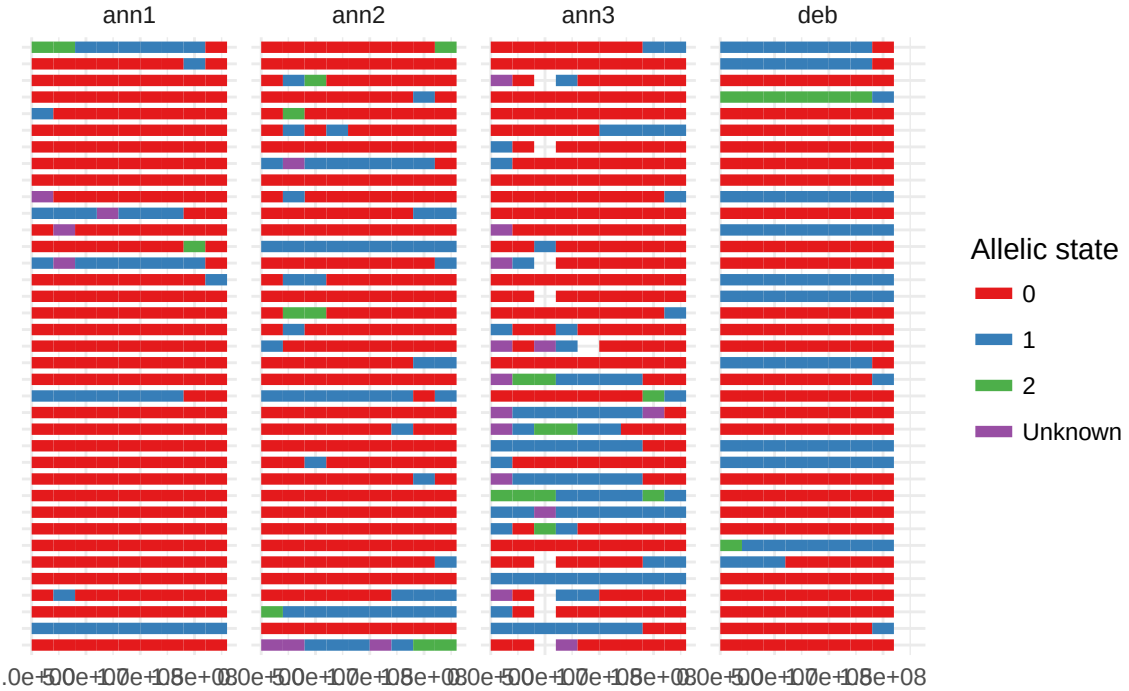
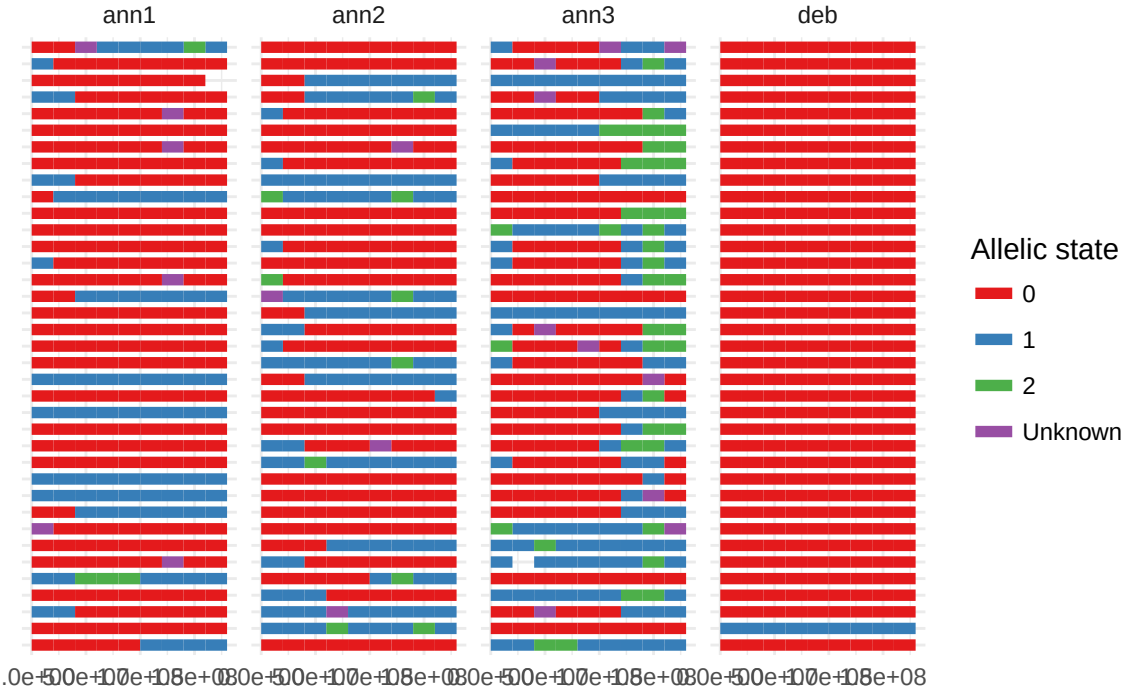
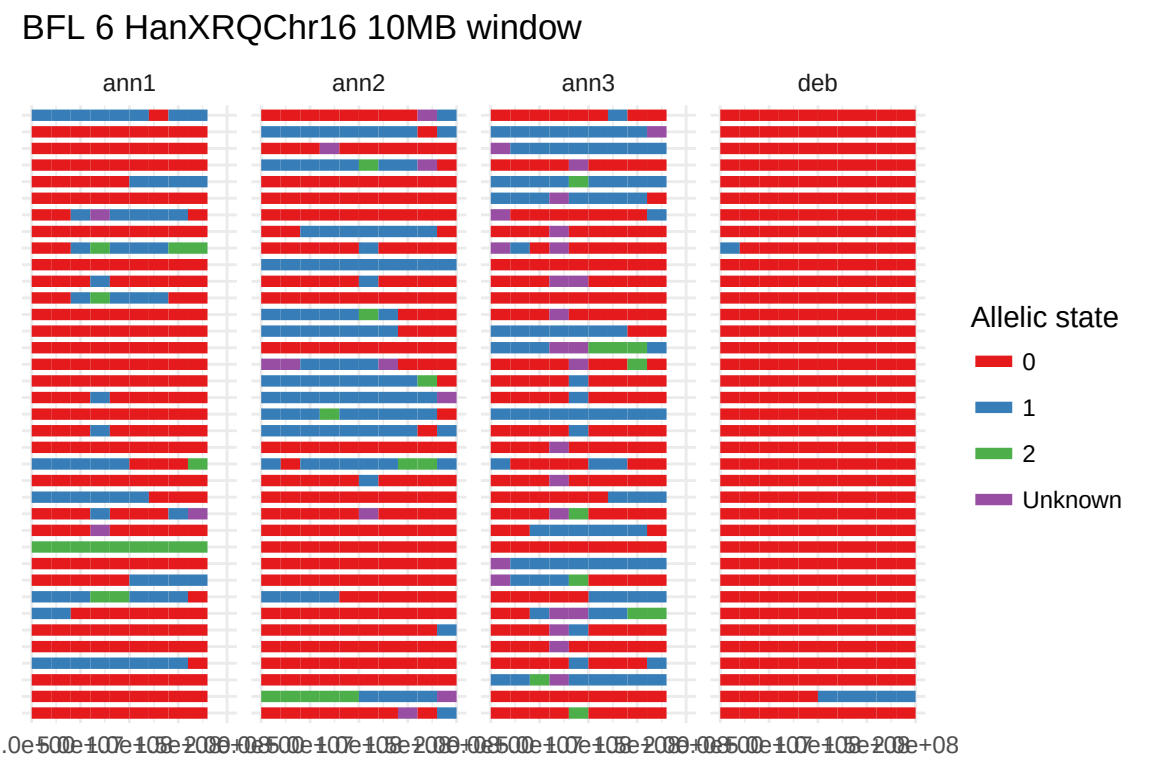


BFL 6 HanXRQChr15 10MB window

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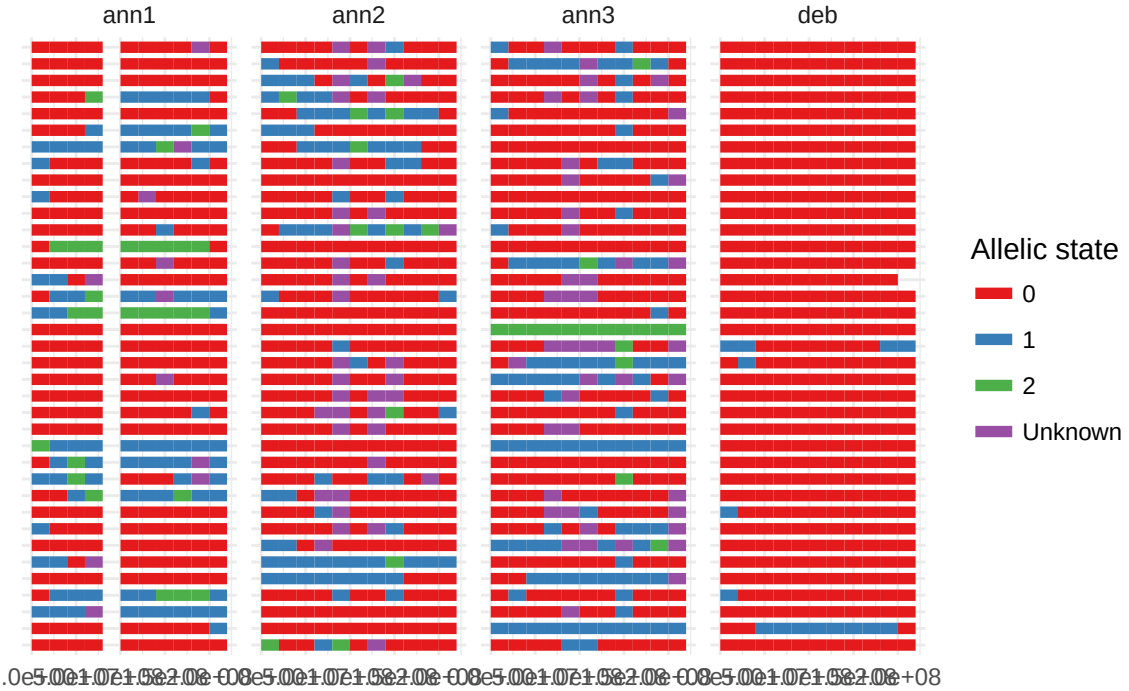
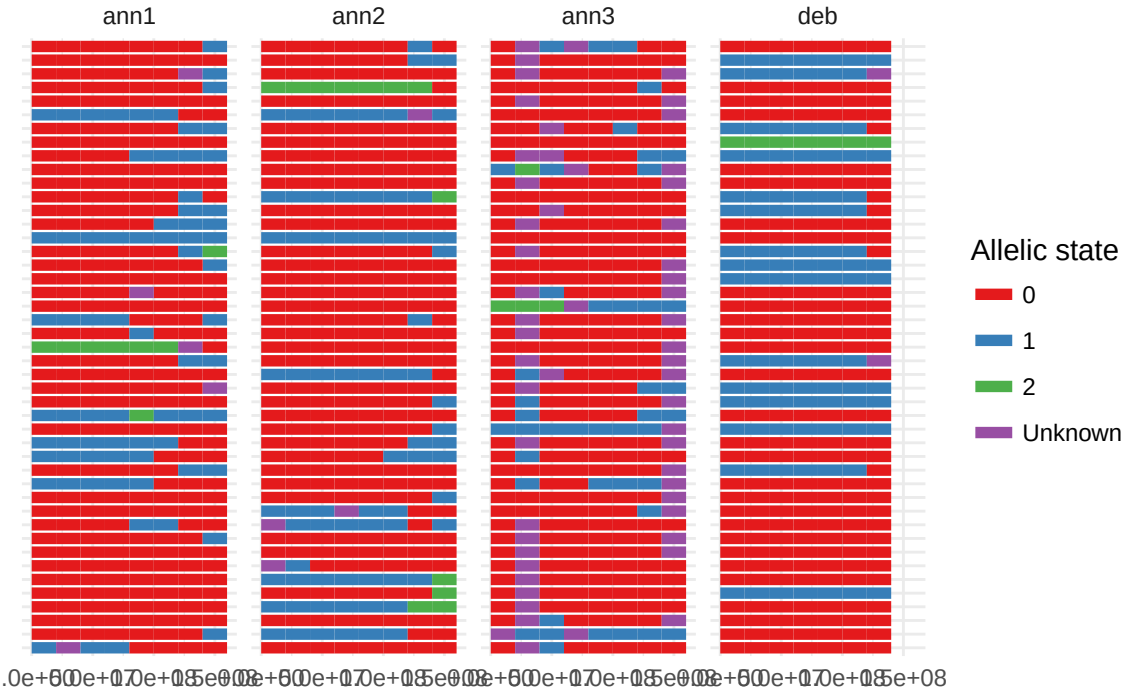
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

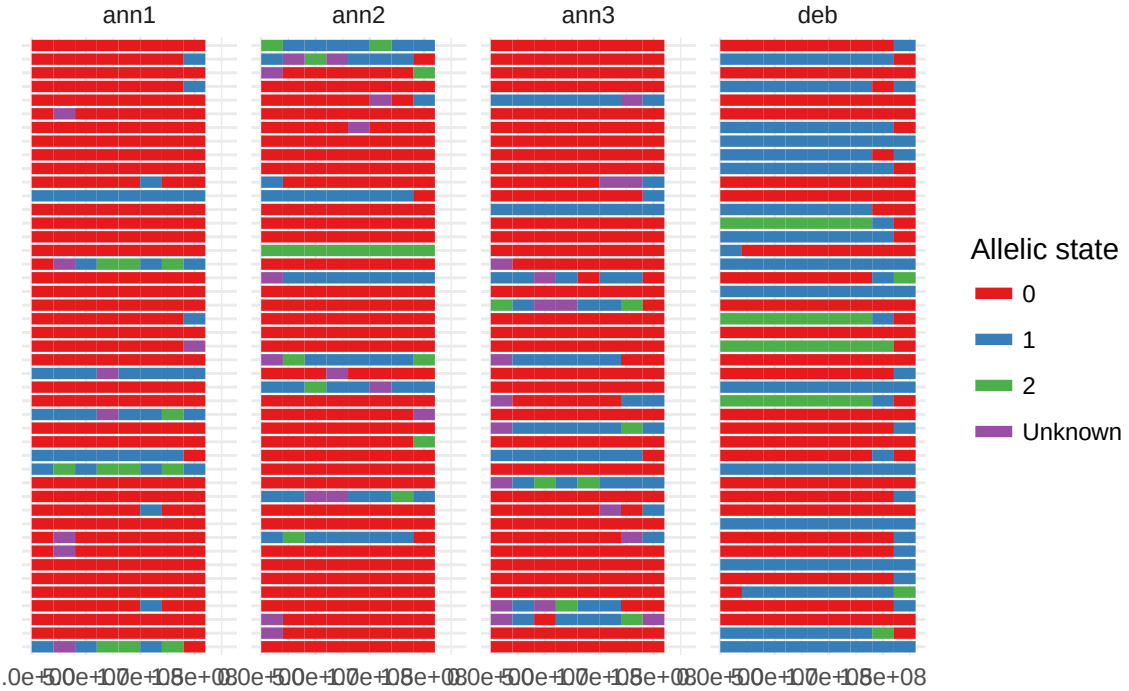
BFL 6 HanXRQChr17 10MB window



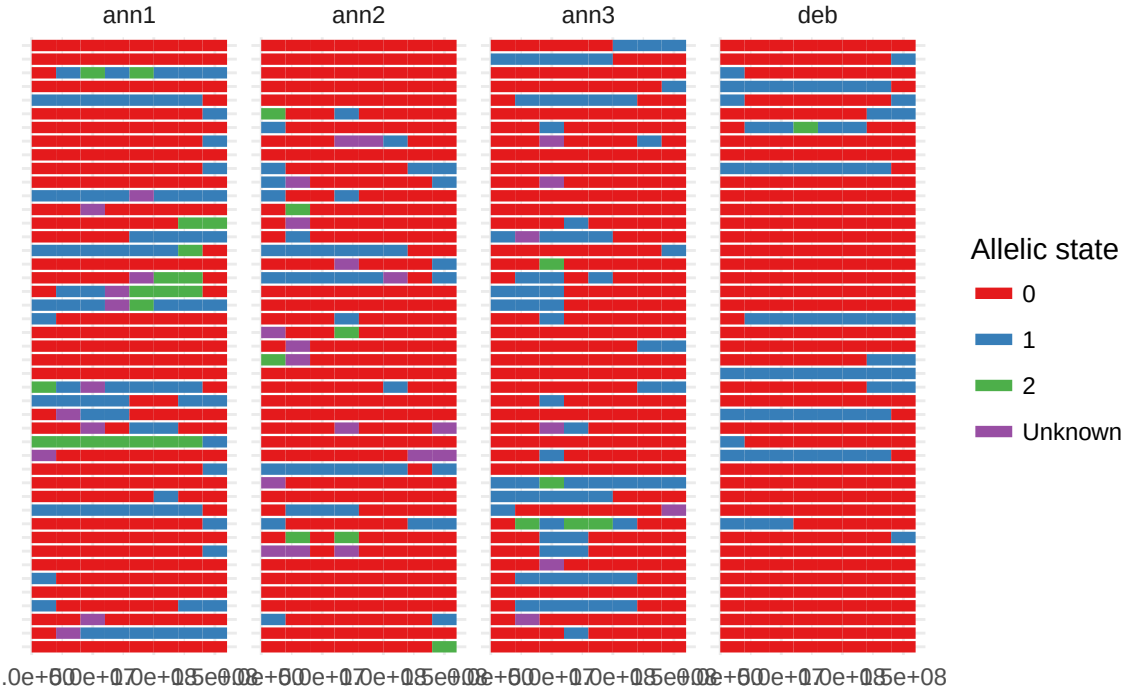
BFL 7 HanXRQChr01 10MB window

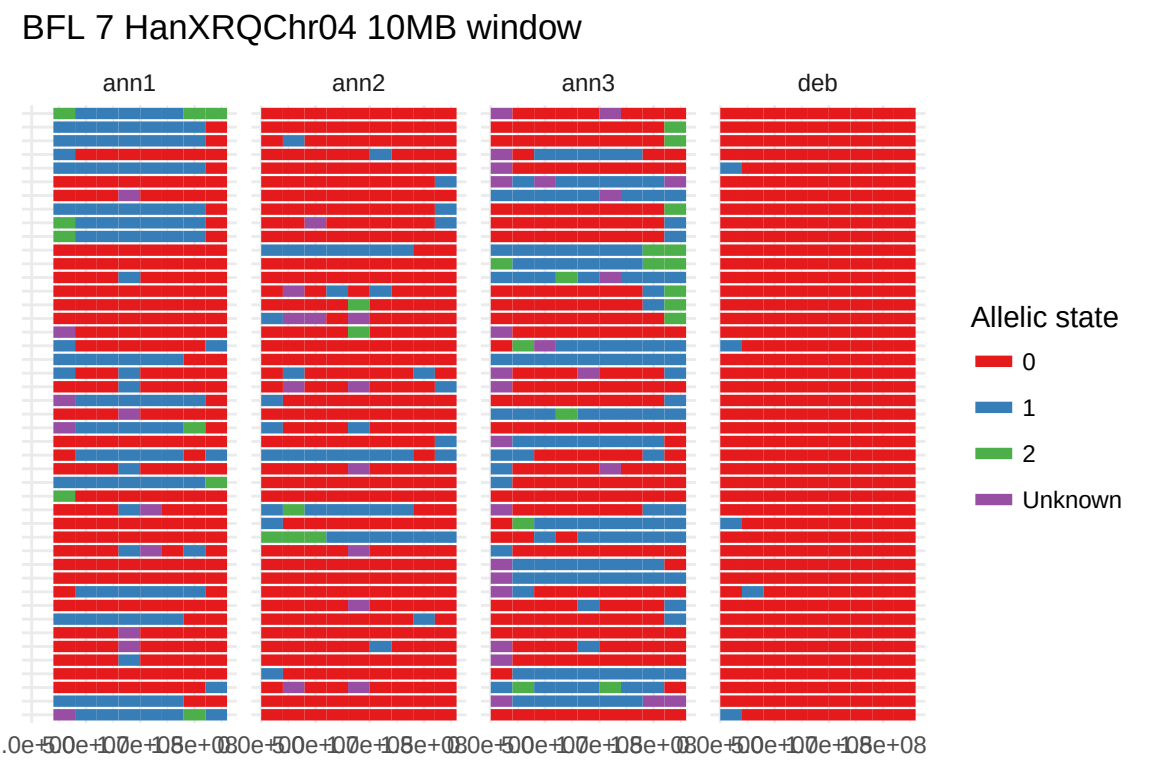


BFL 7 HanXRQChr02 10MB window



BFL 7 HanXRQChr03 10MB window

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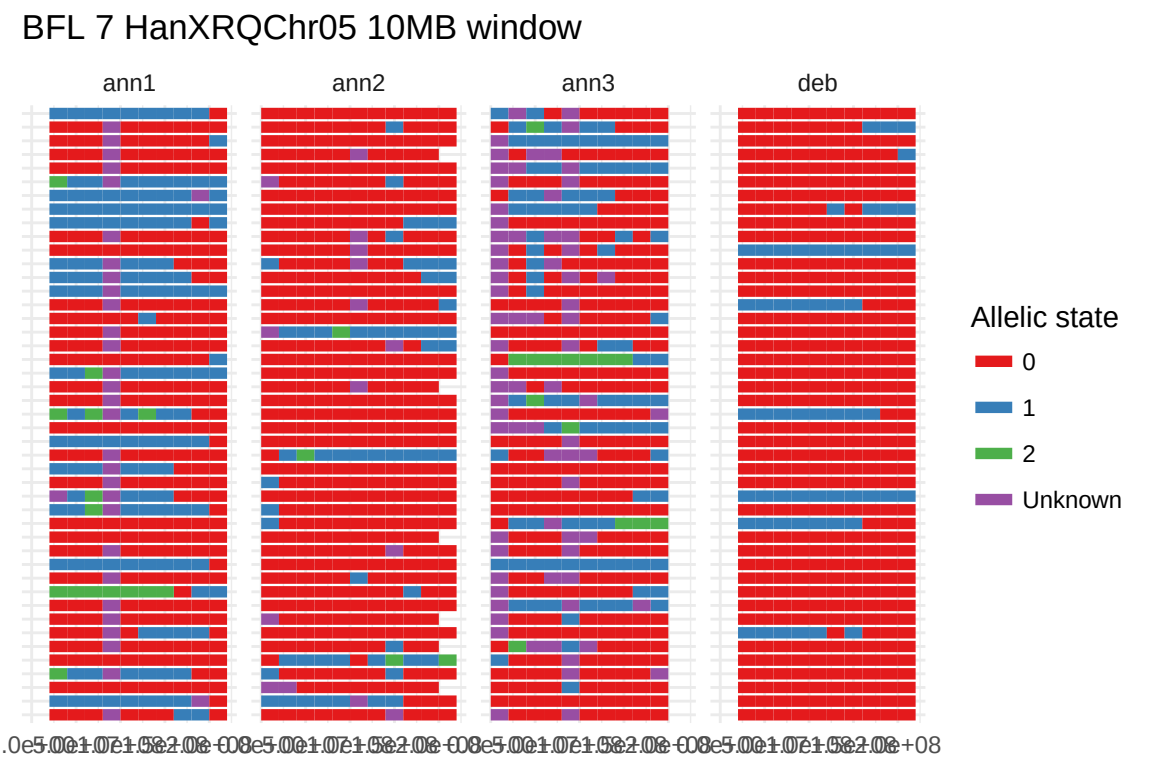
ann2
ann3
deb
Allelic state
0
1
2
Unknown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ann3
deb
Allelic state
0
1
2
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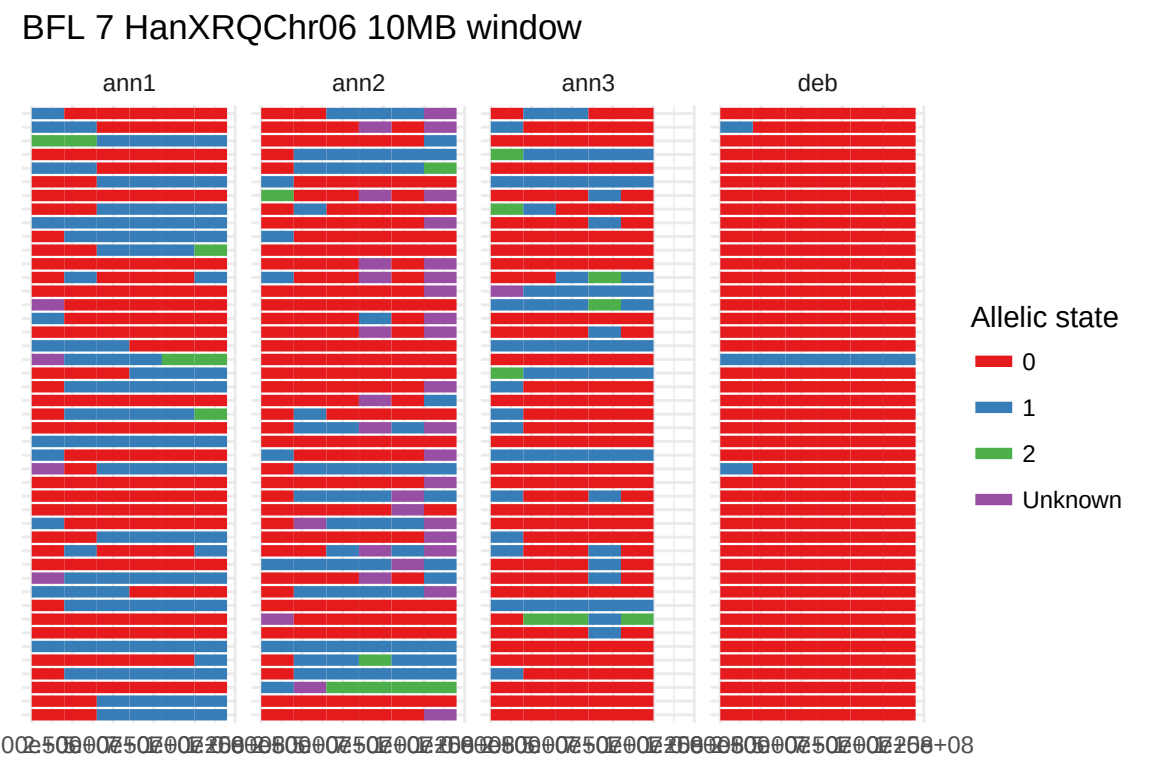
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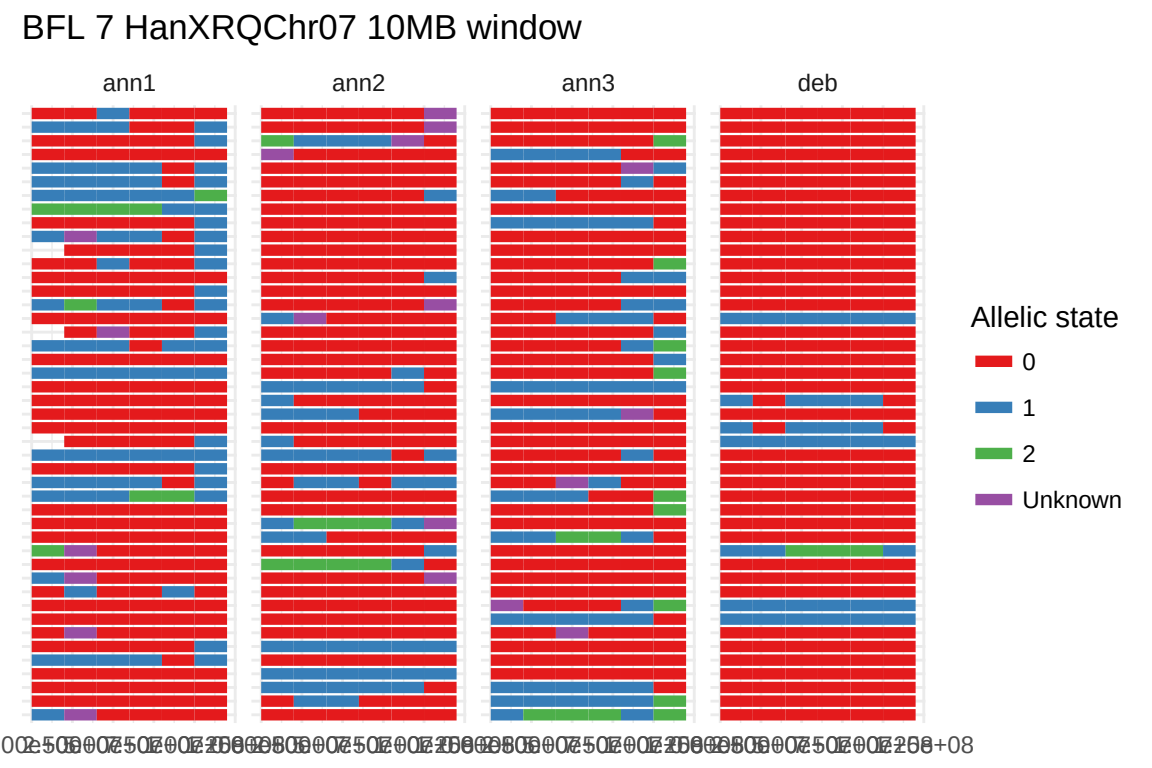
1
2
Unknown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ann3
deb
Allelic state
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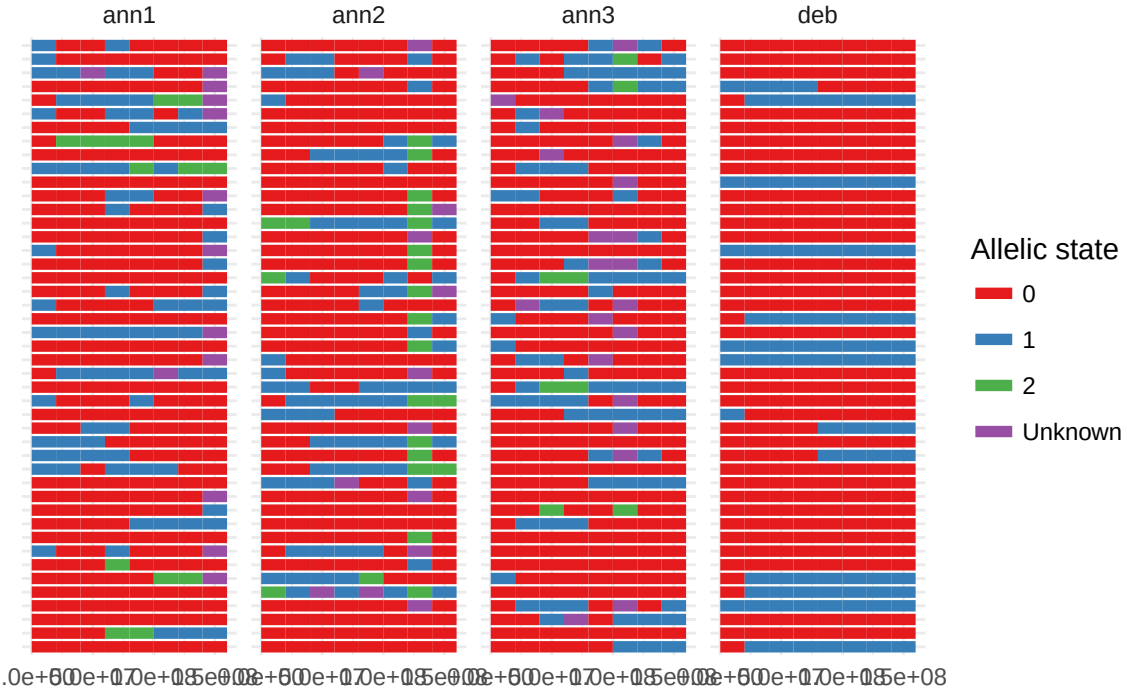
1
2
Unknown

BFL 7 HanXRQChr08 10MB window



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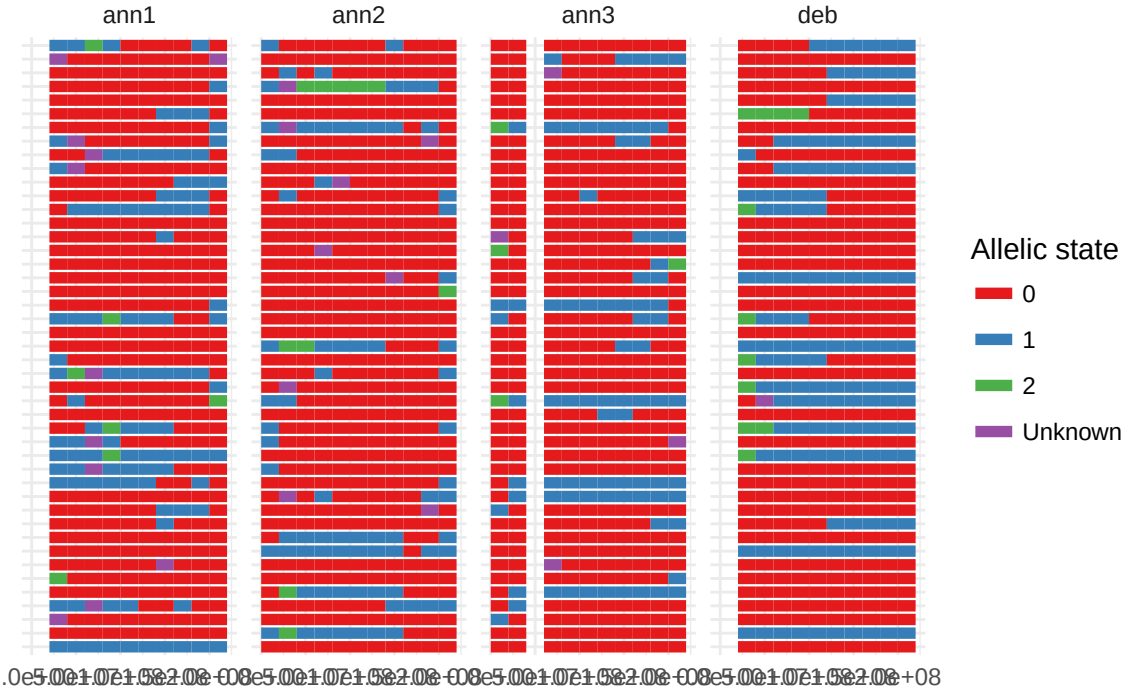

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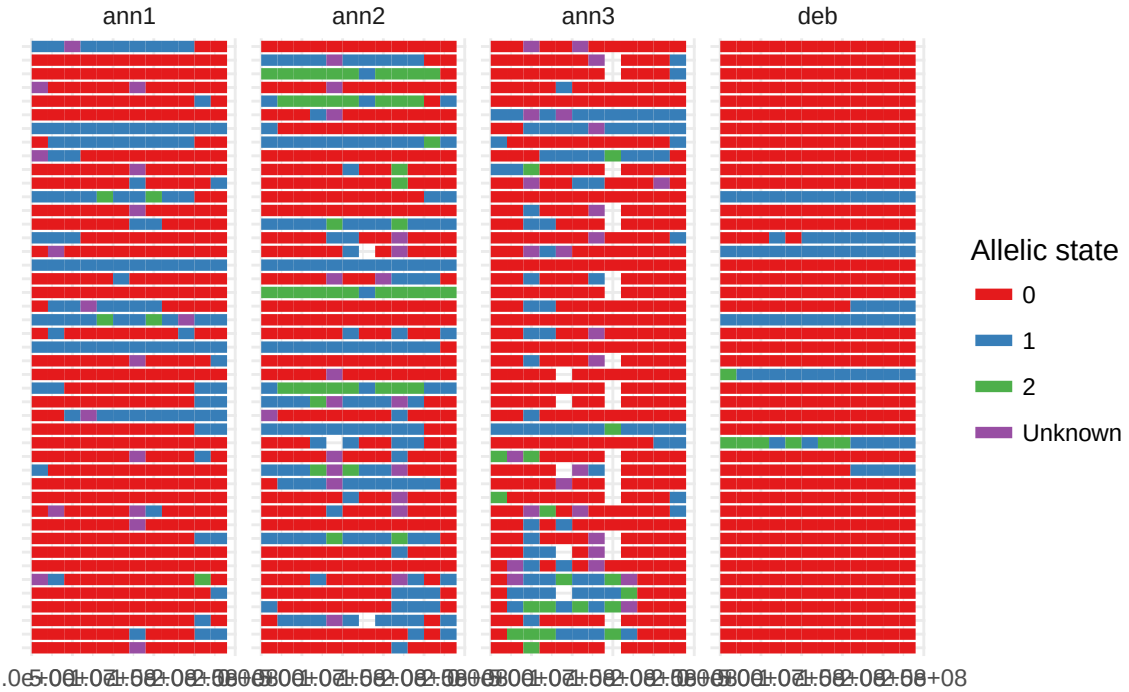

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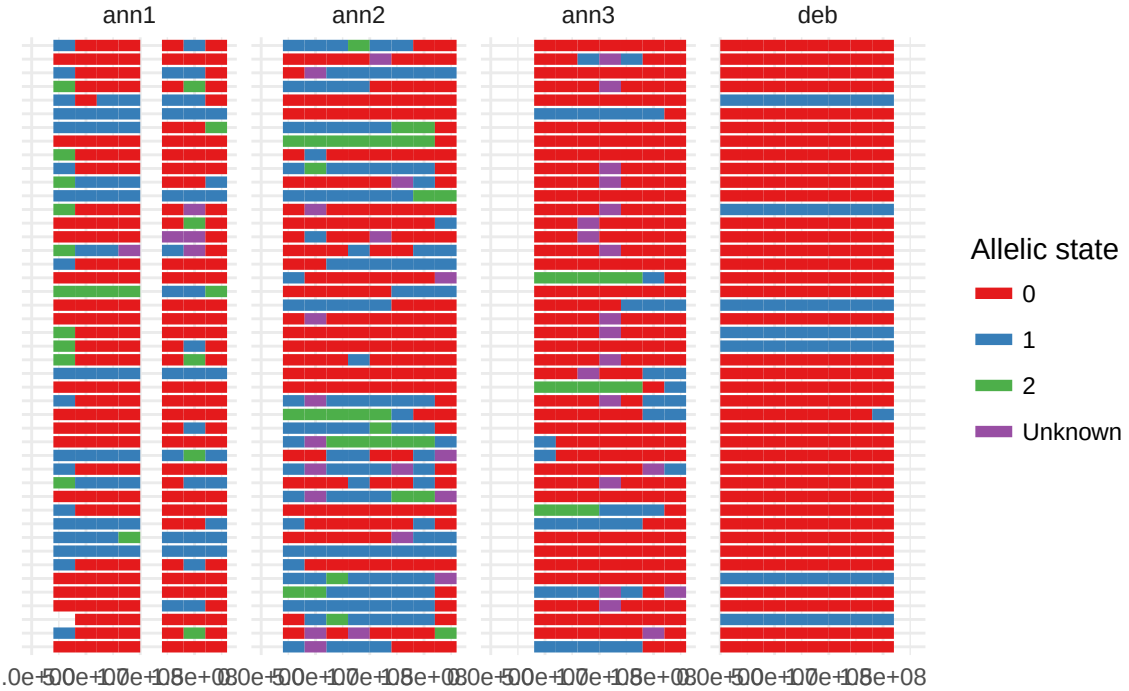

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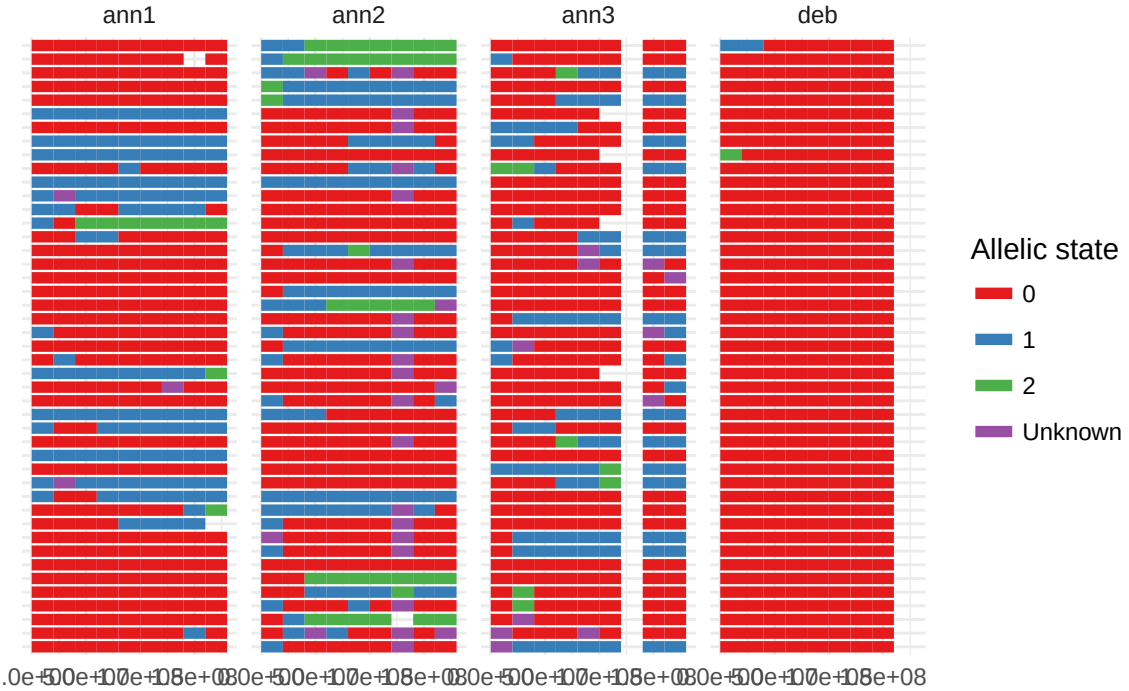

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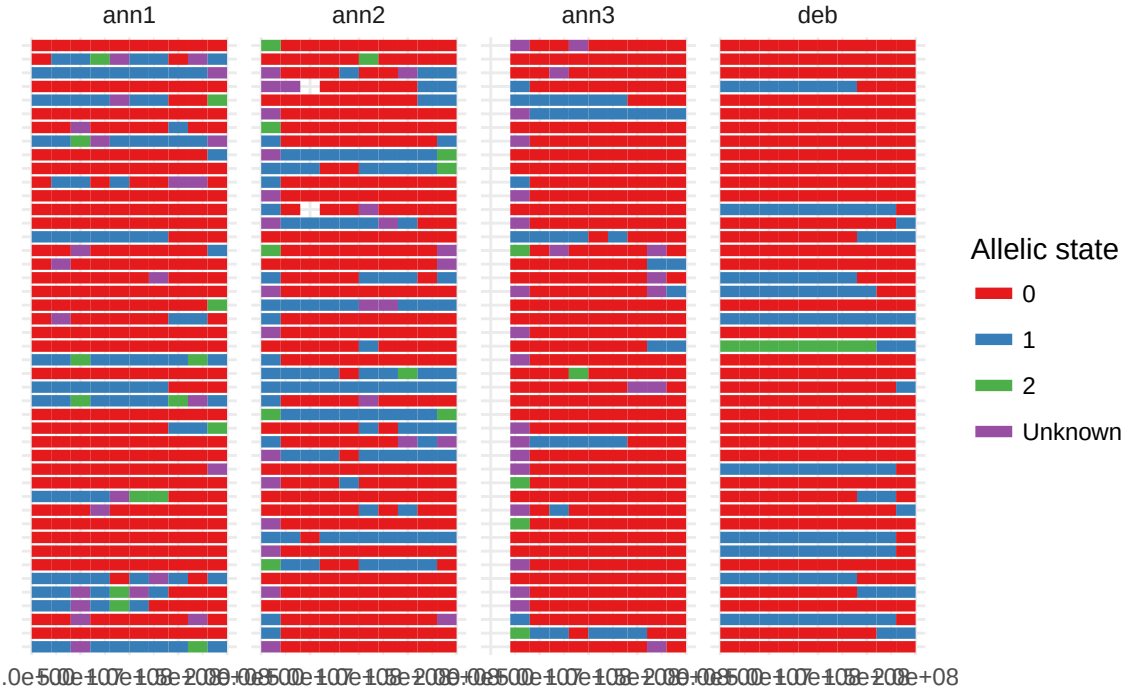
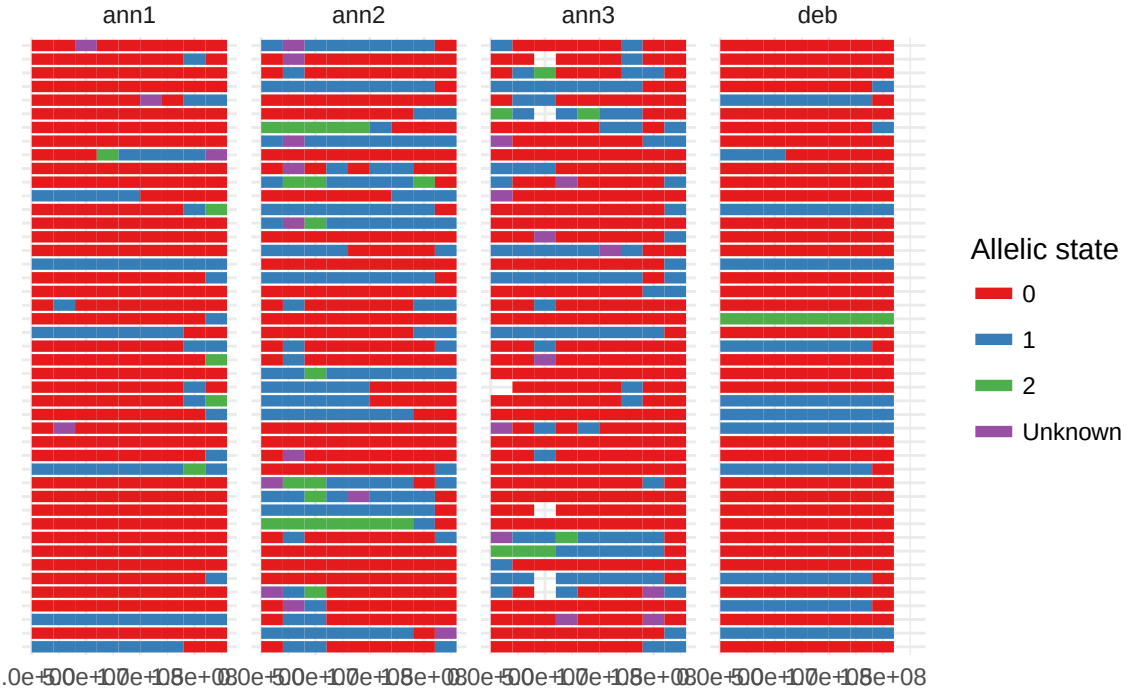
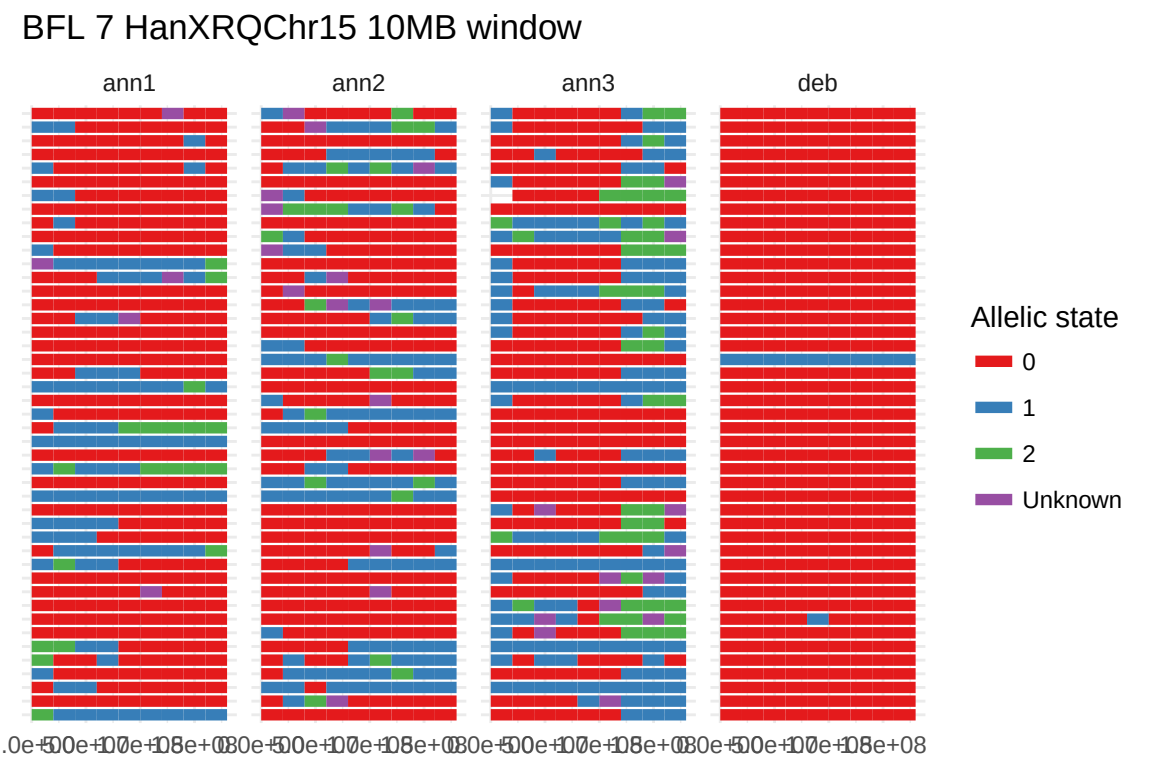


BFL 7 HanXRQChr14 10MB window

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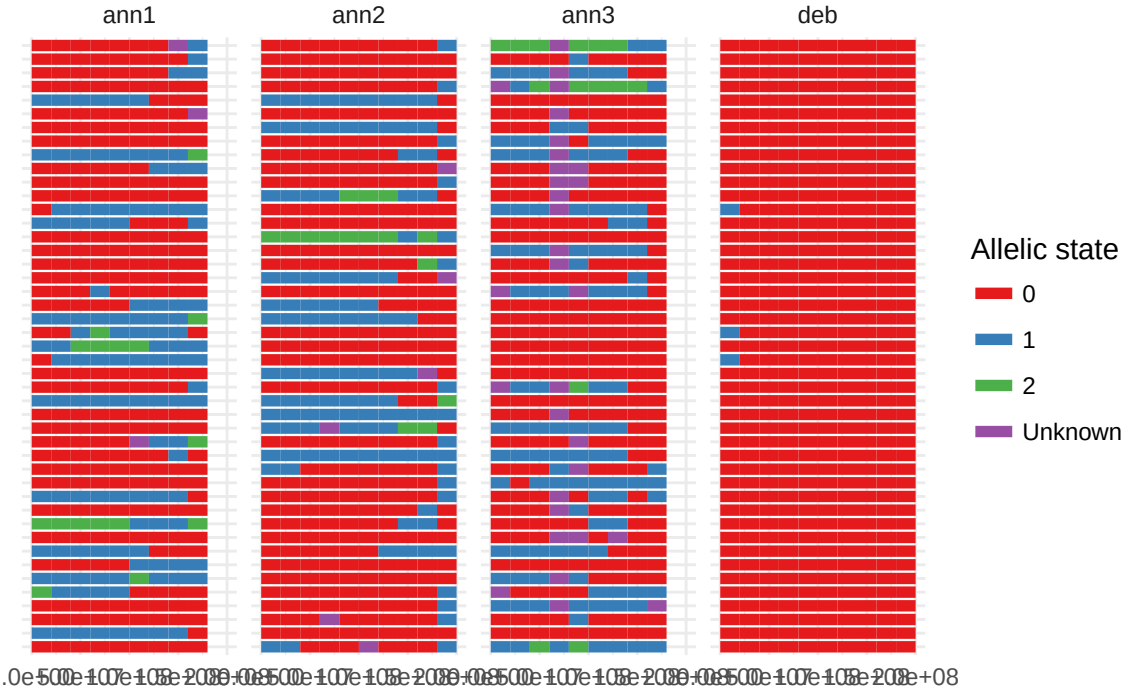
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 7 HanXRQChr16 10MB window



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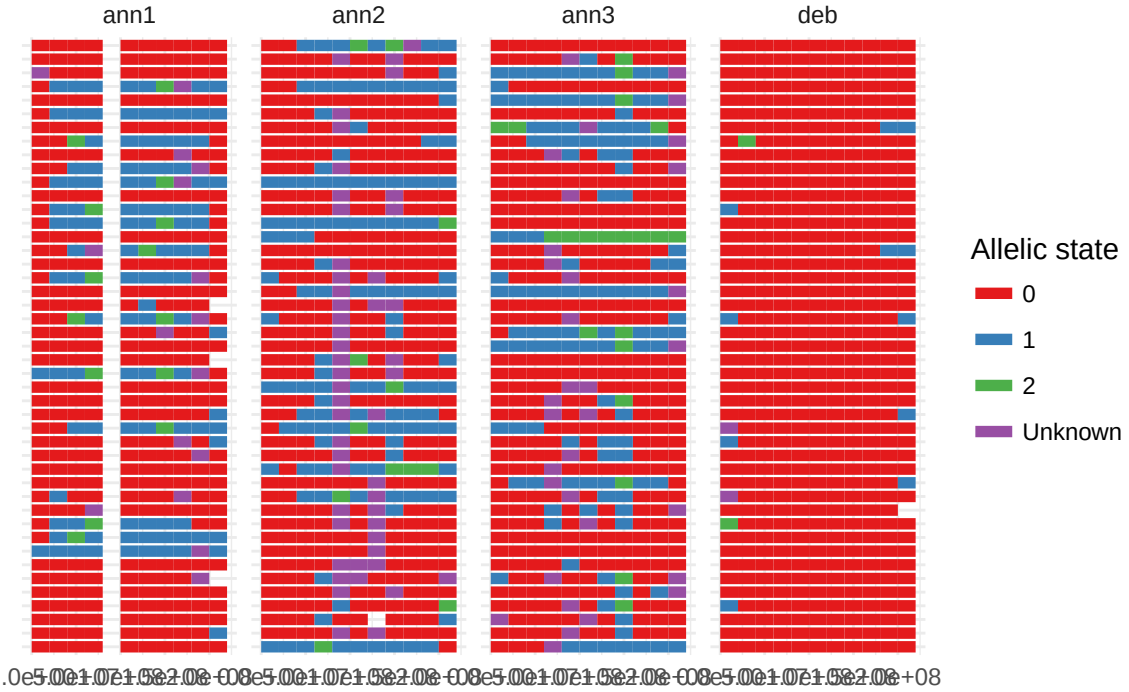

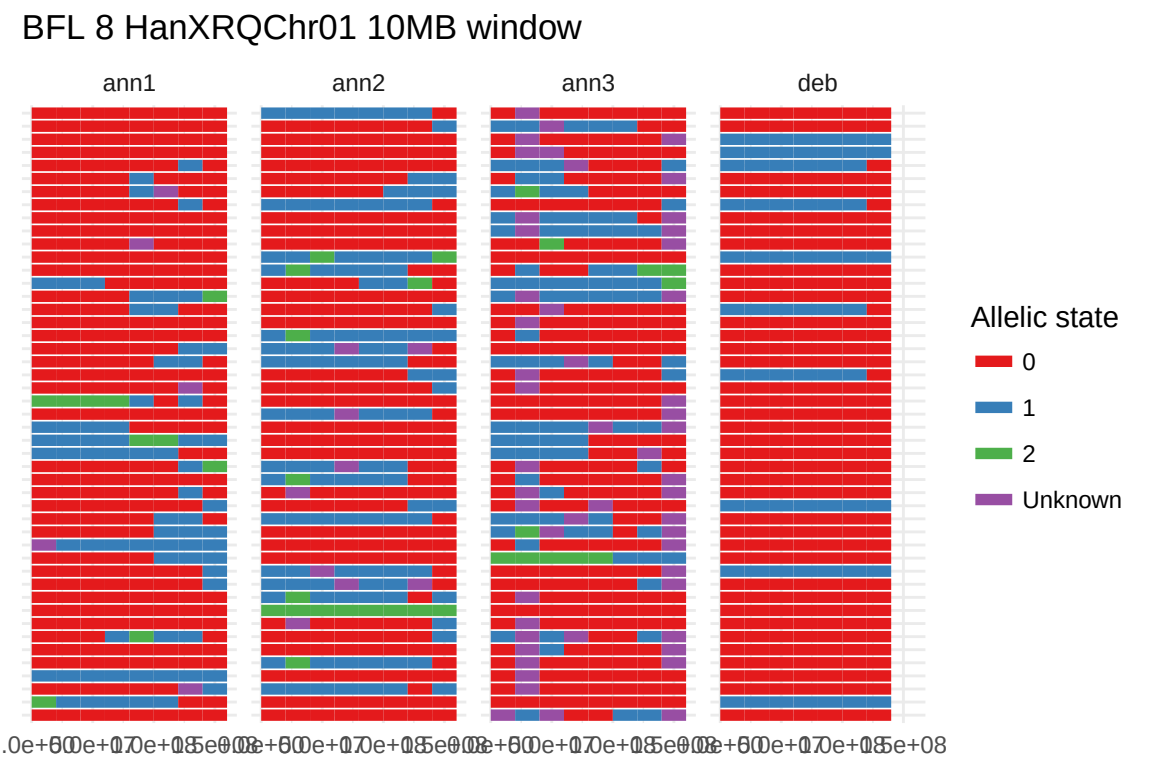
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ann3
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1
2
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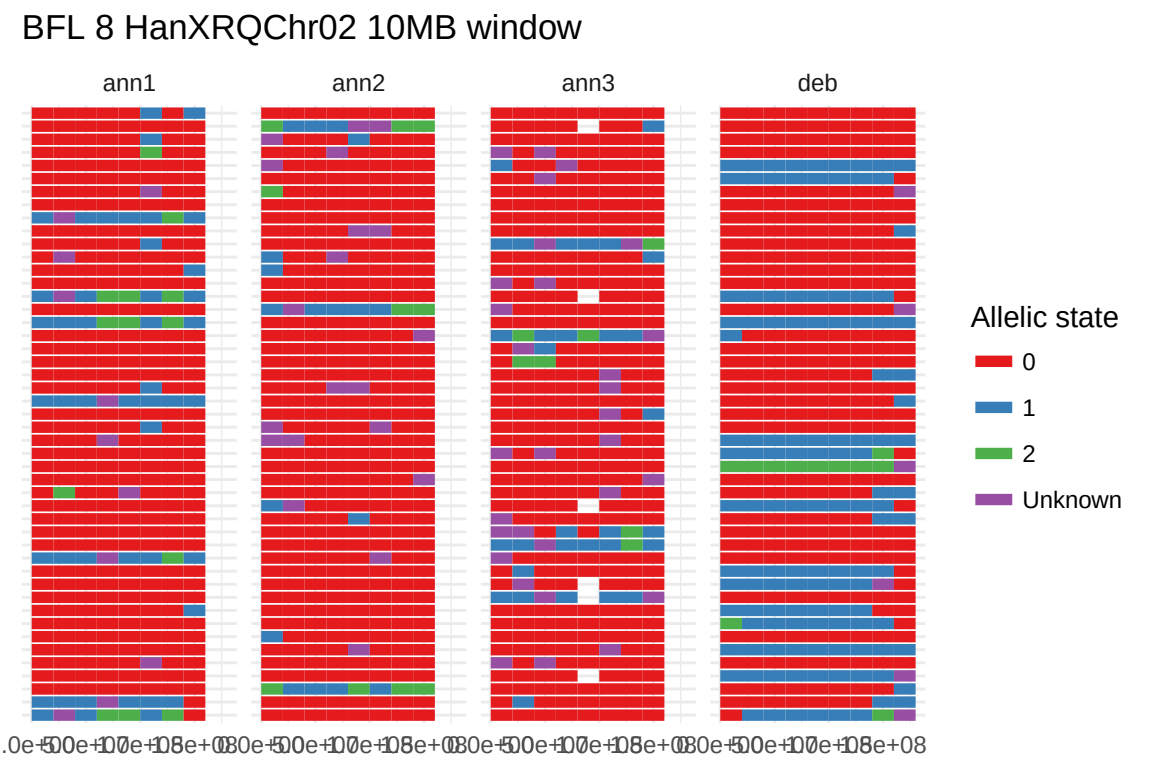
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ann3
deb
Allelic state
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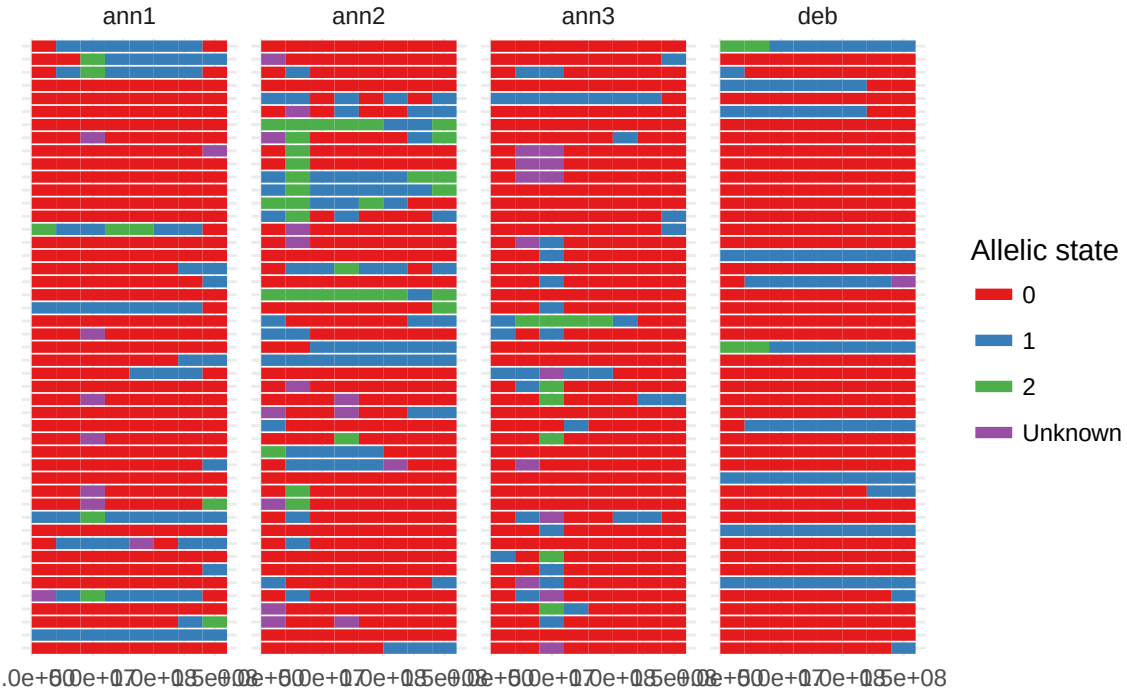
1
2
Unknown

BFL 8 HanXRQChr03 10MB window



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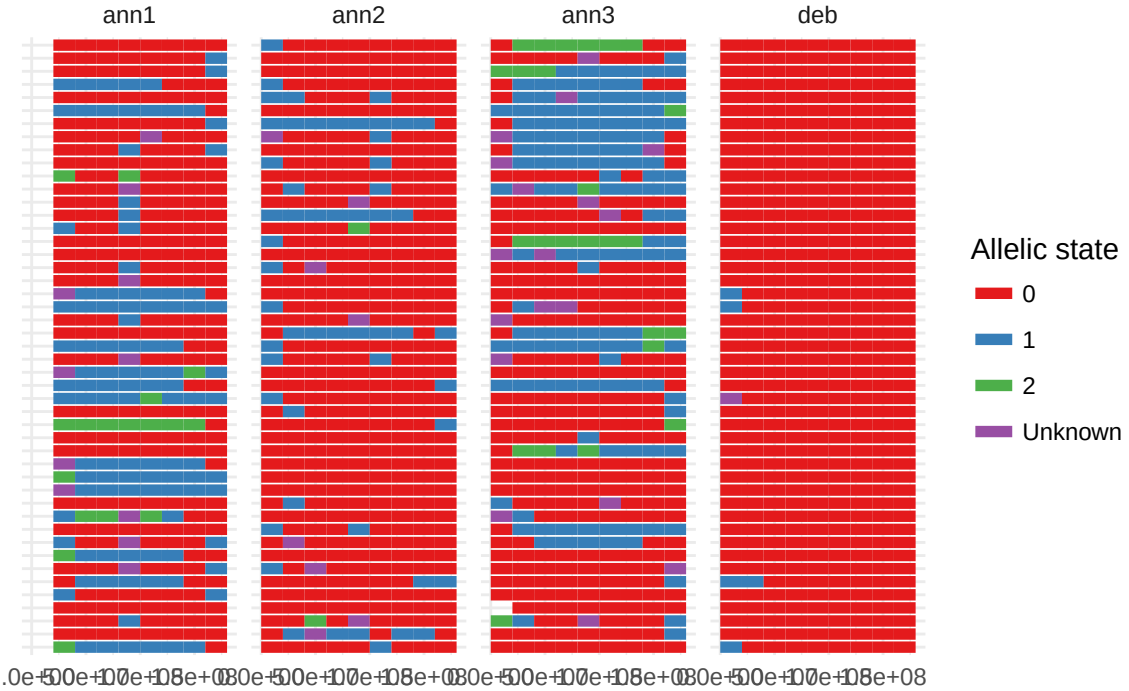
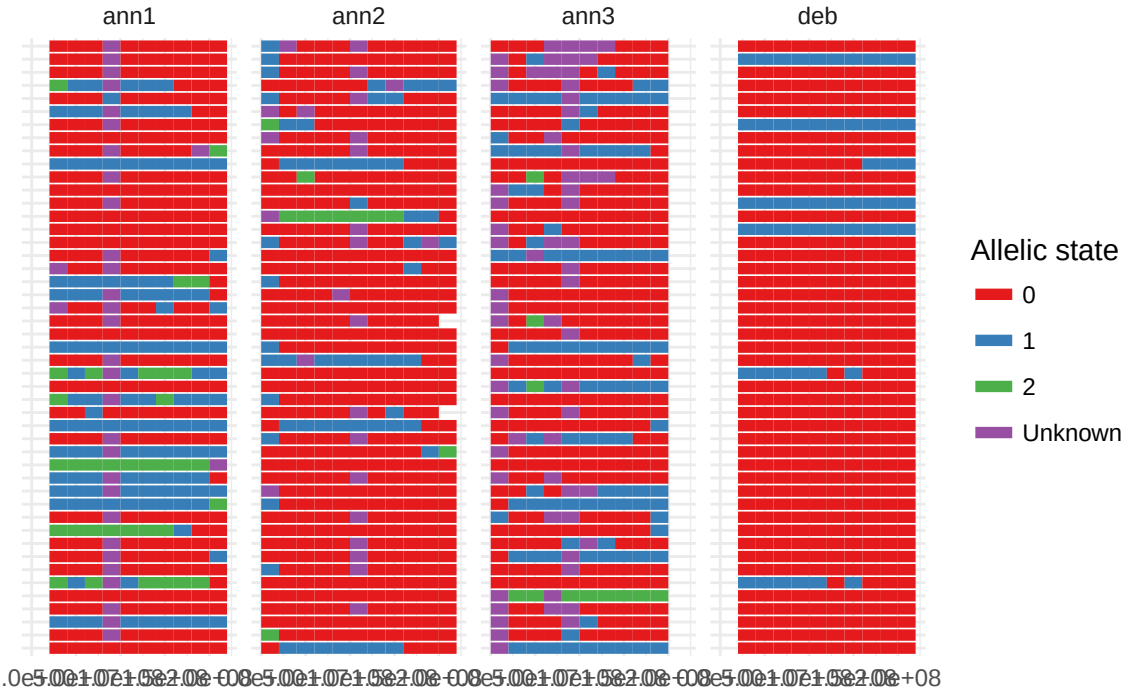
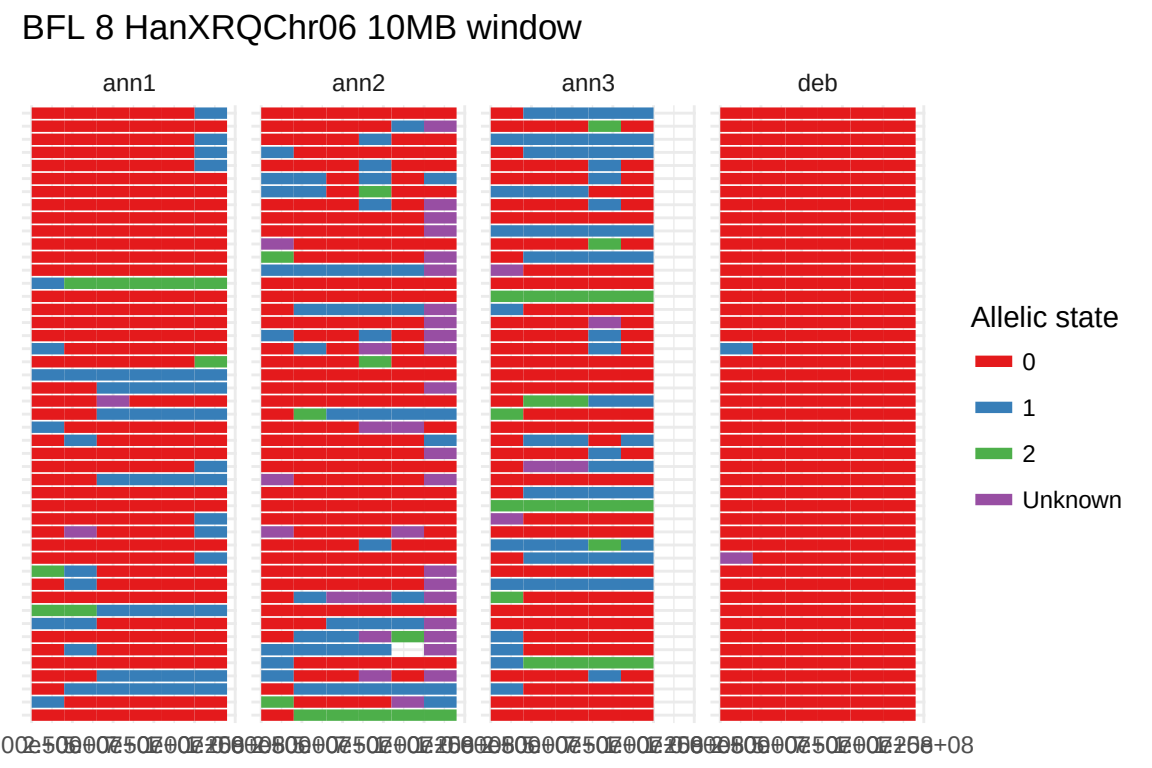


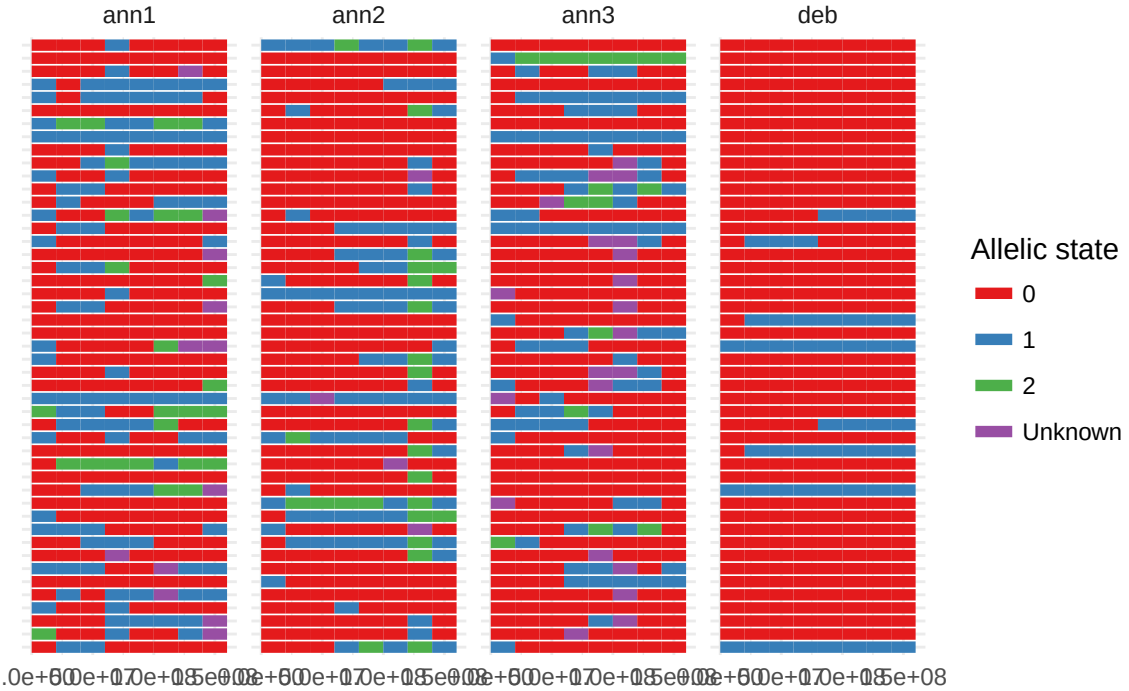
BFL 8 HanXRQChr05 10MB window



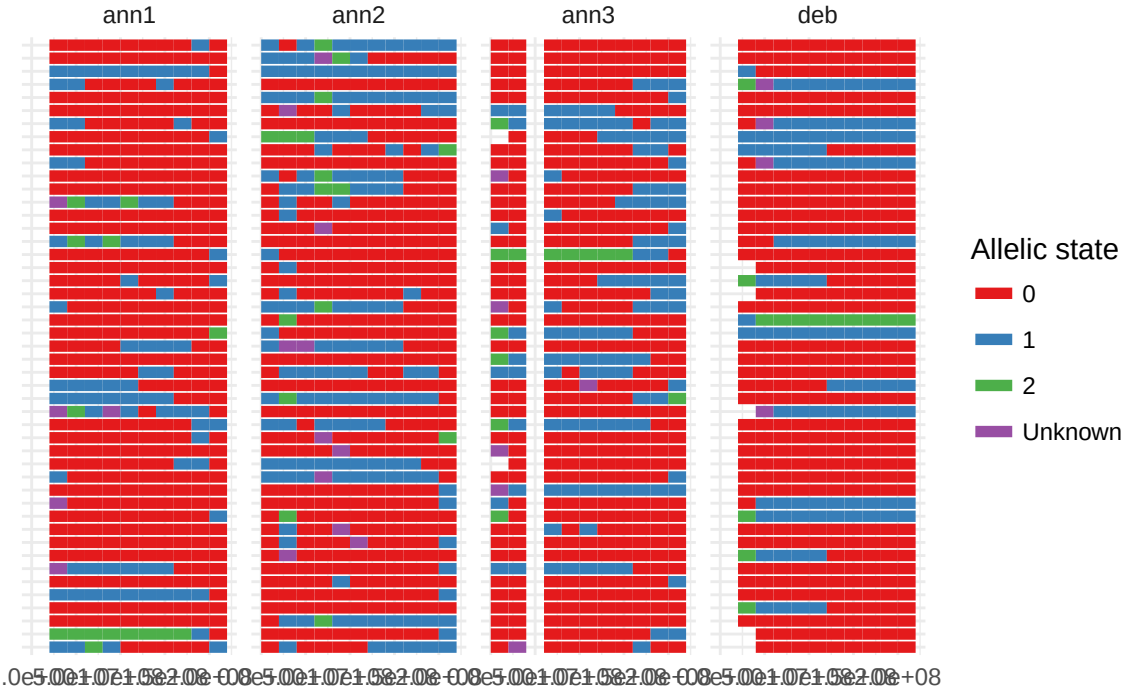

BFL 8 HanXRQChr06 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

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

BFL 8 HanXRQChr08 10MB window



BFL 8 HanXRQChr09 10MB window



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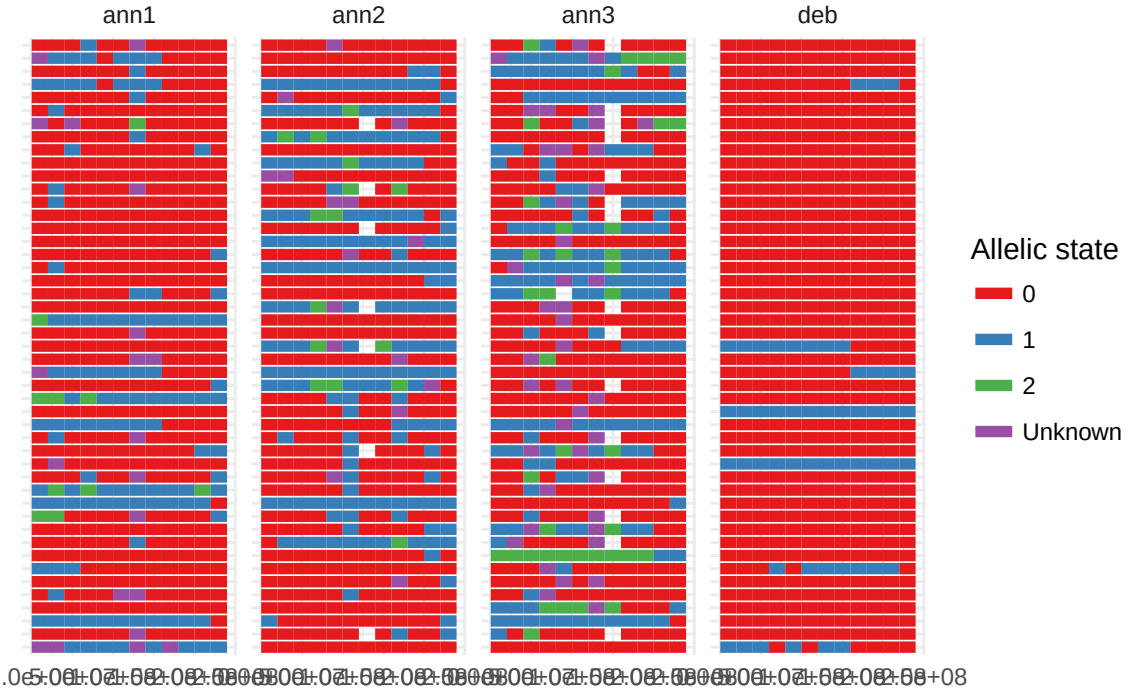

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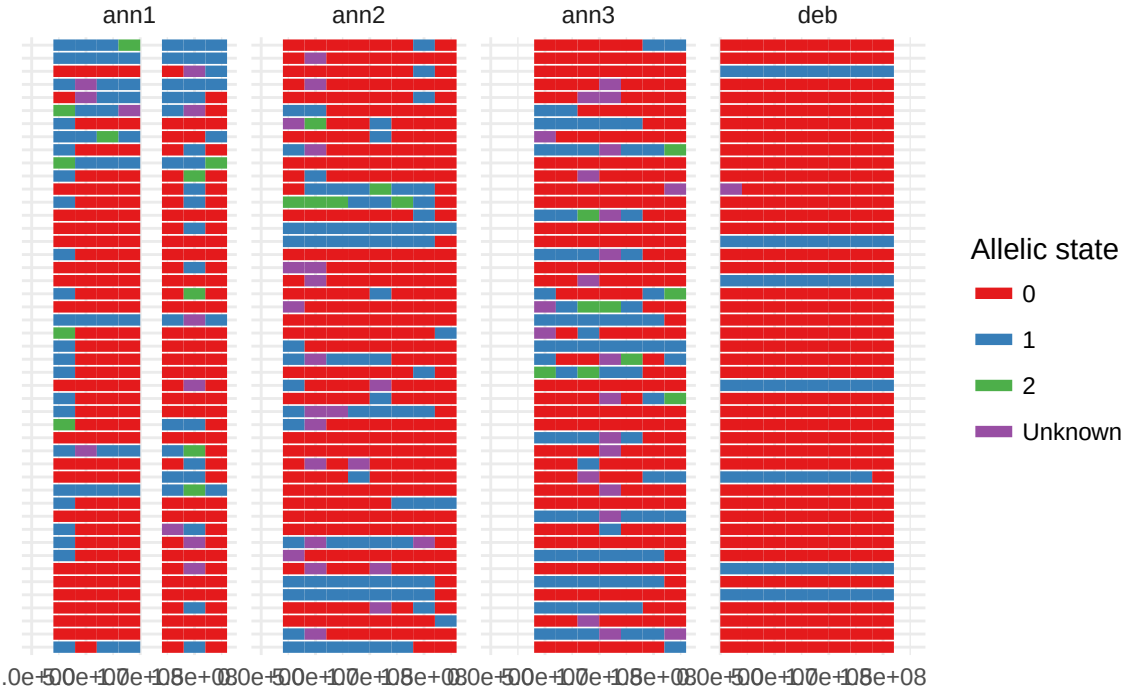

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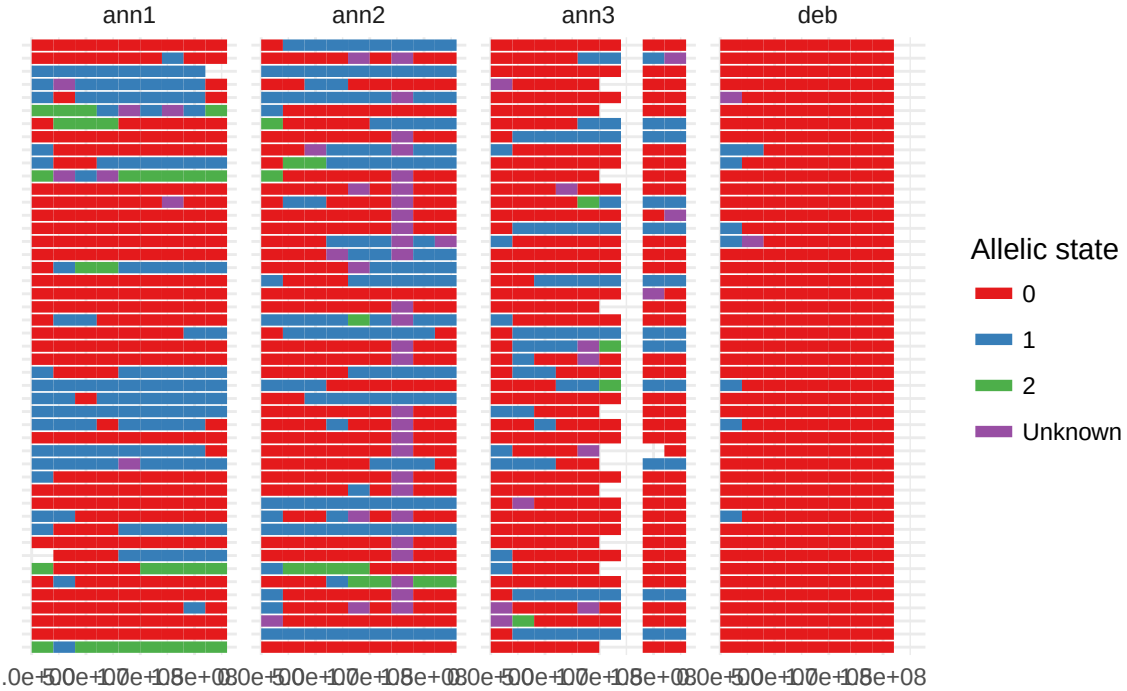
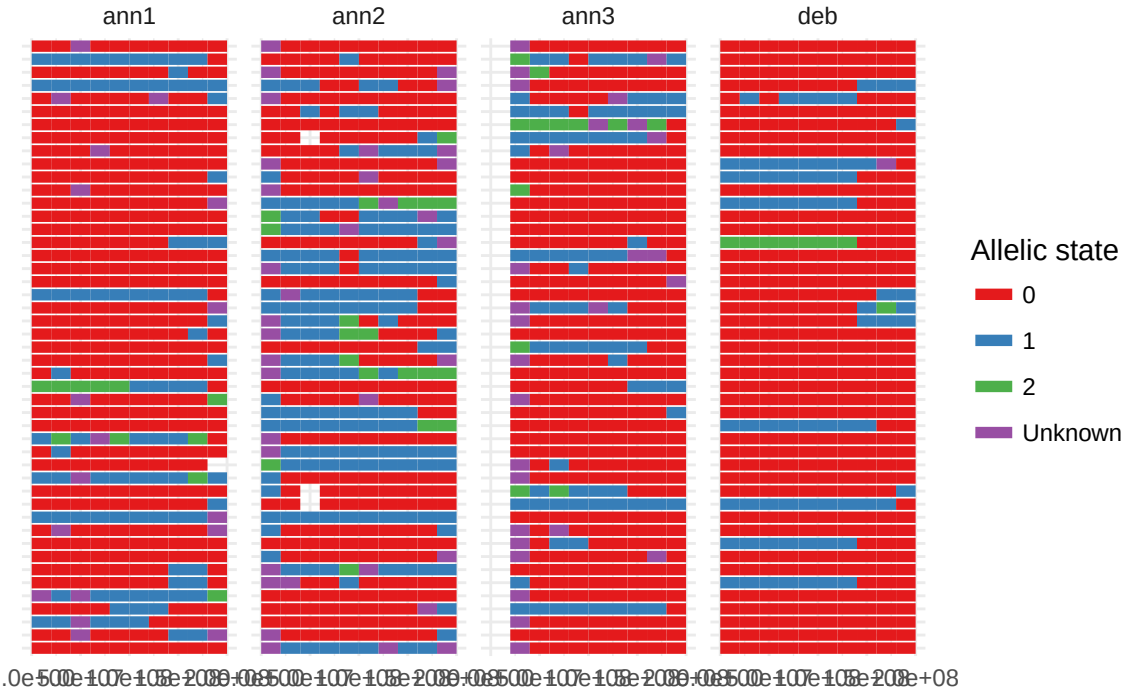
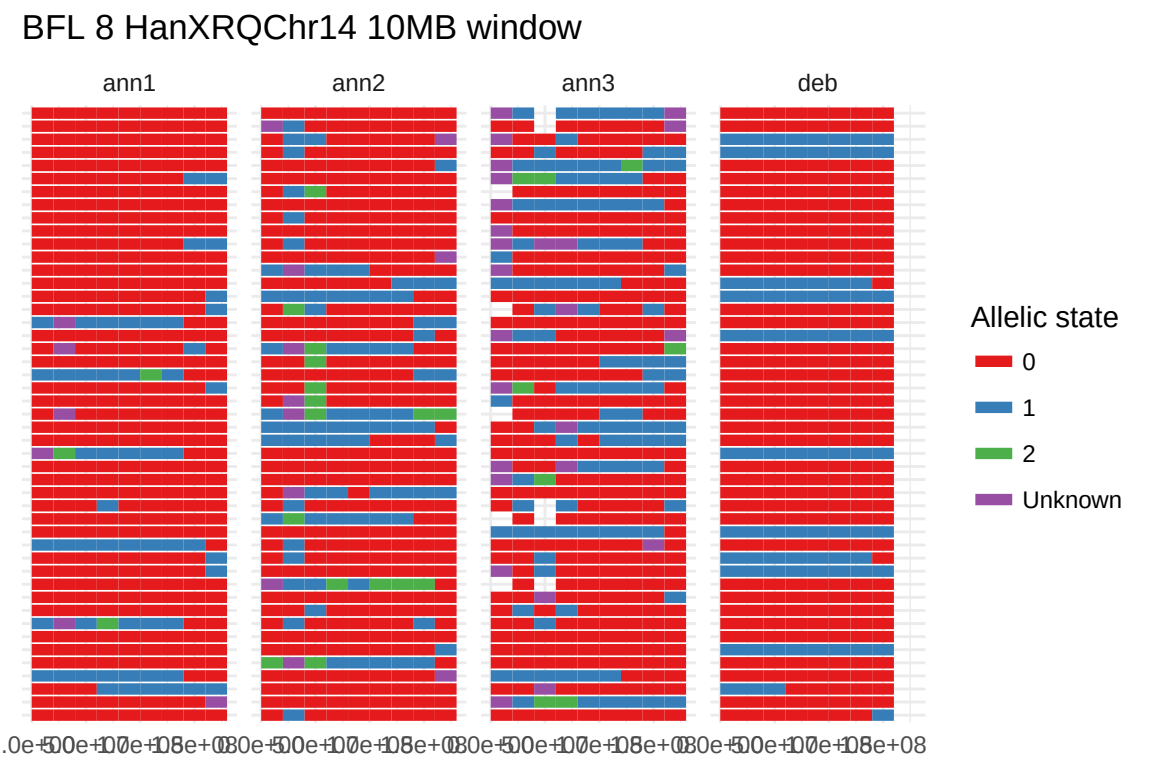
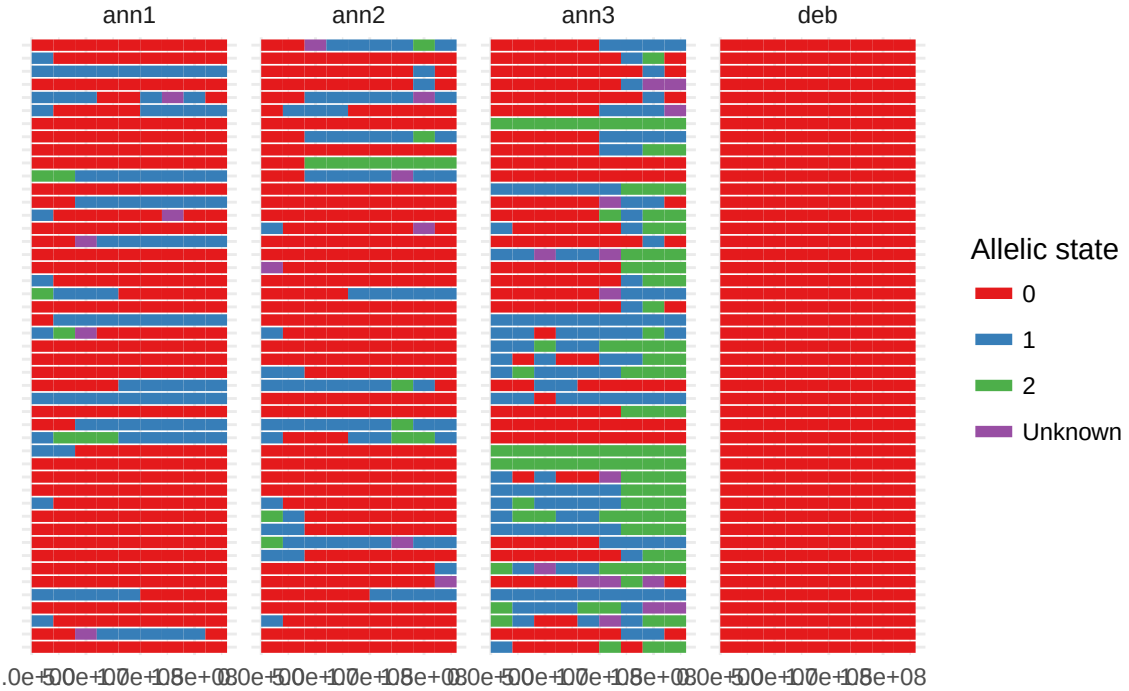


BFL 8 HanXRQChr13 10MB window




BFL 8 HanXRQChr14 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 8 HanXRQChr15 10MB window



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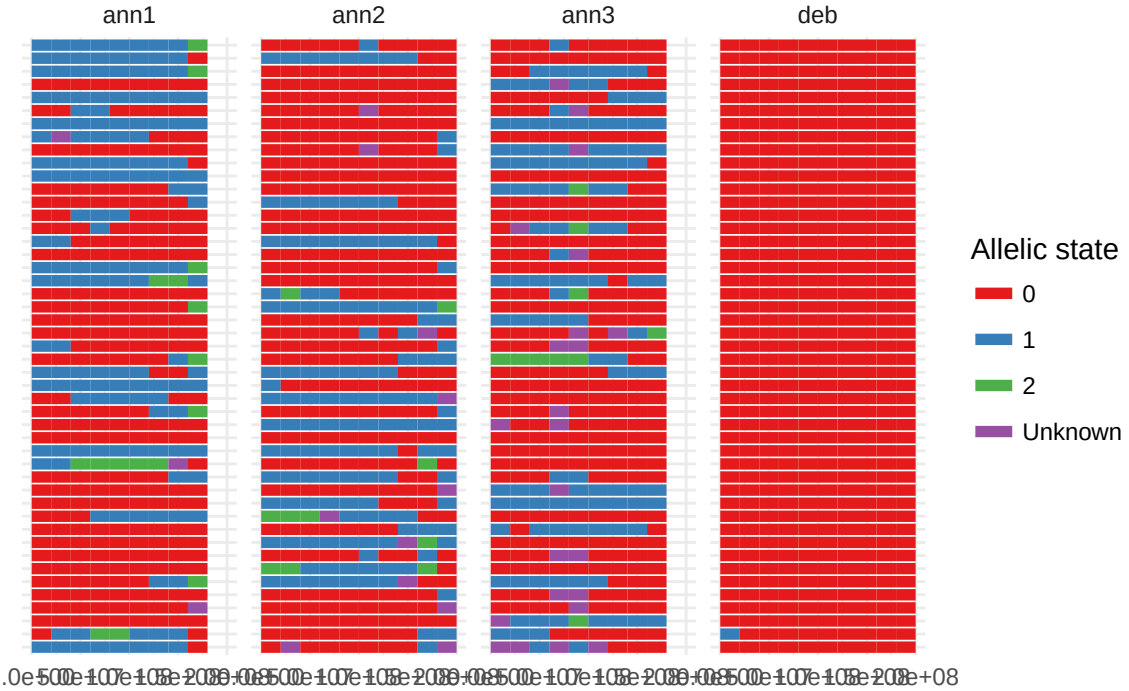
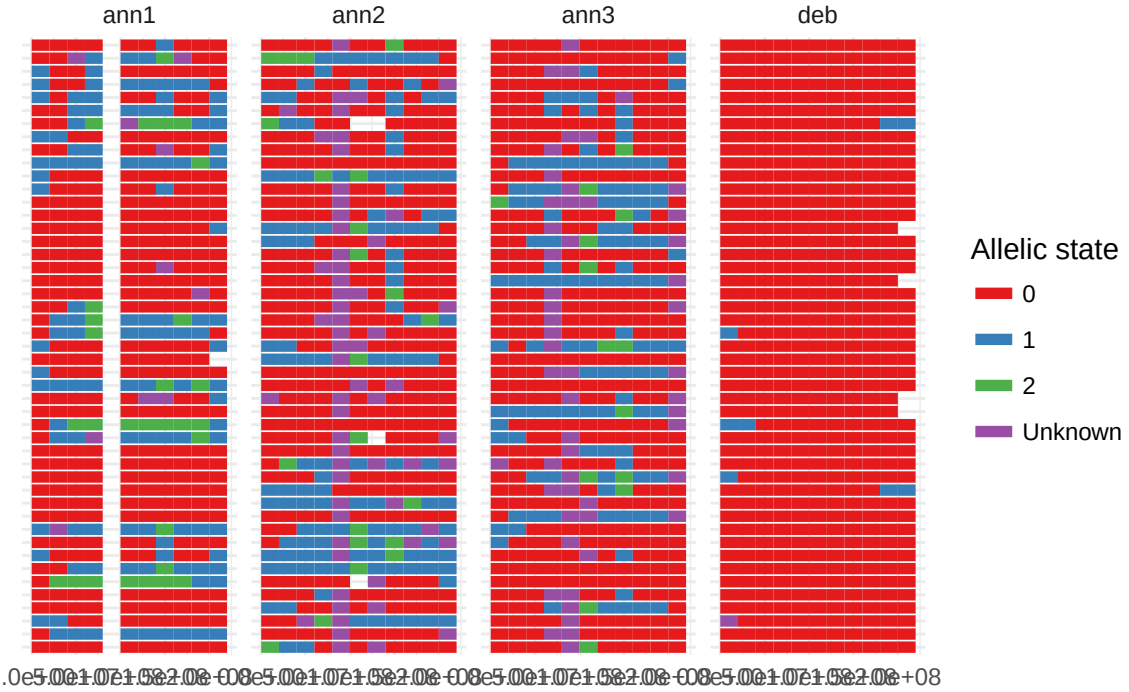
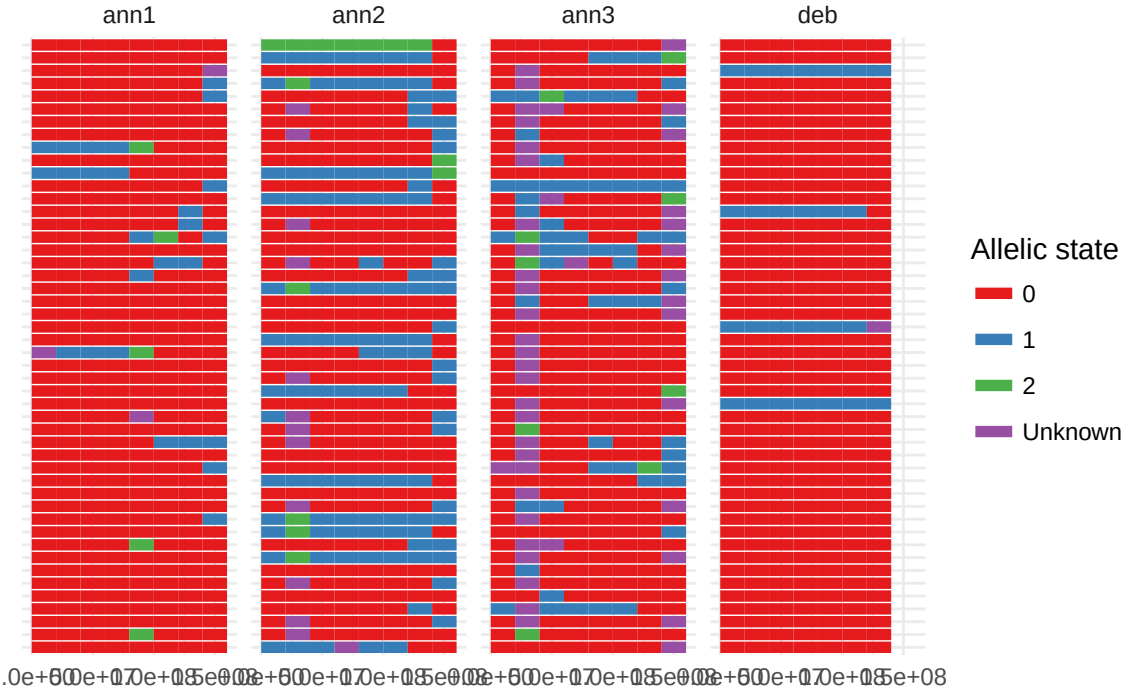
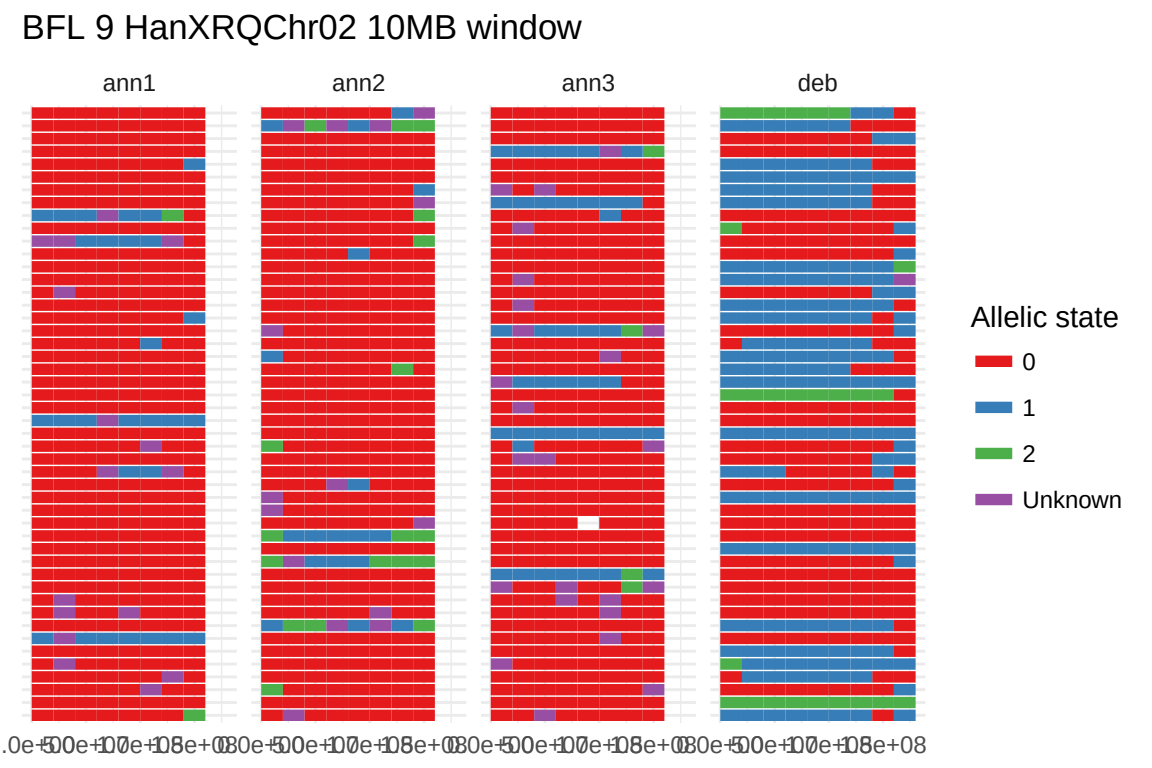


BFL 8 HanXRQChr17 10MB window



BFL 9 HanXRQChr01 10MB window




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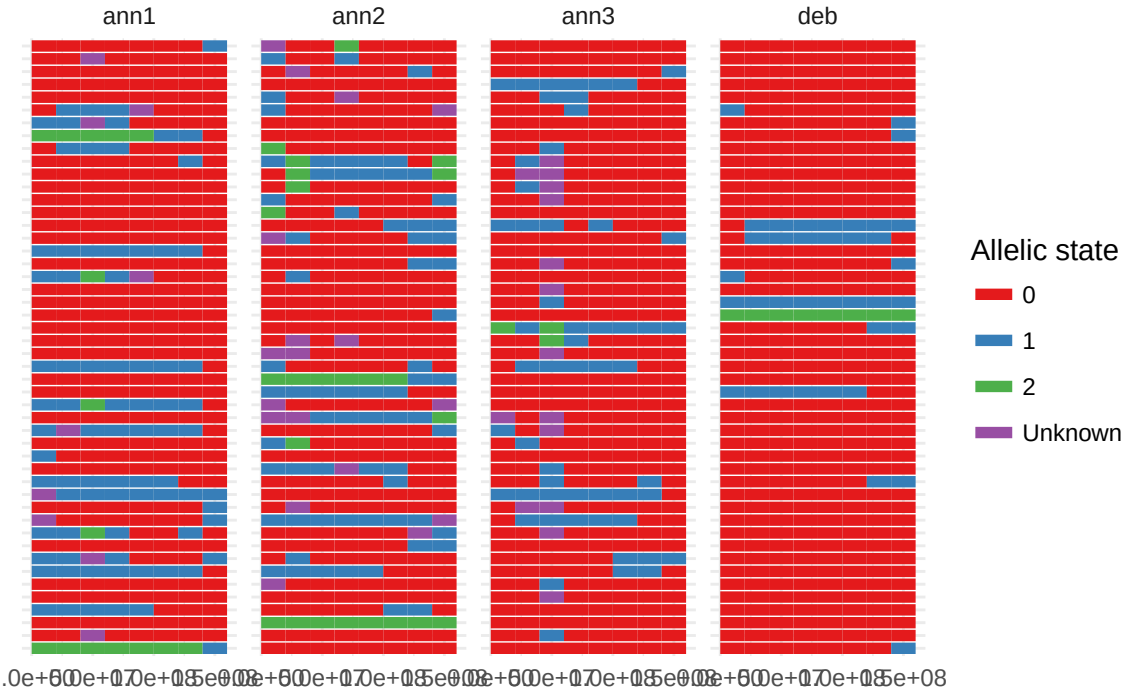
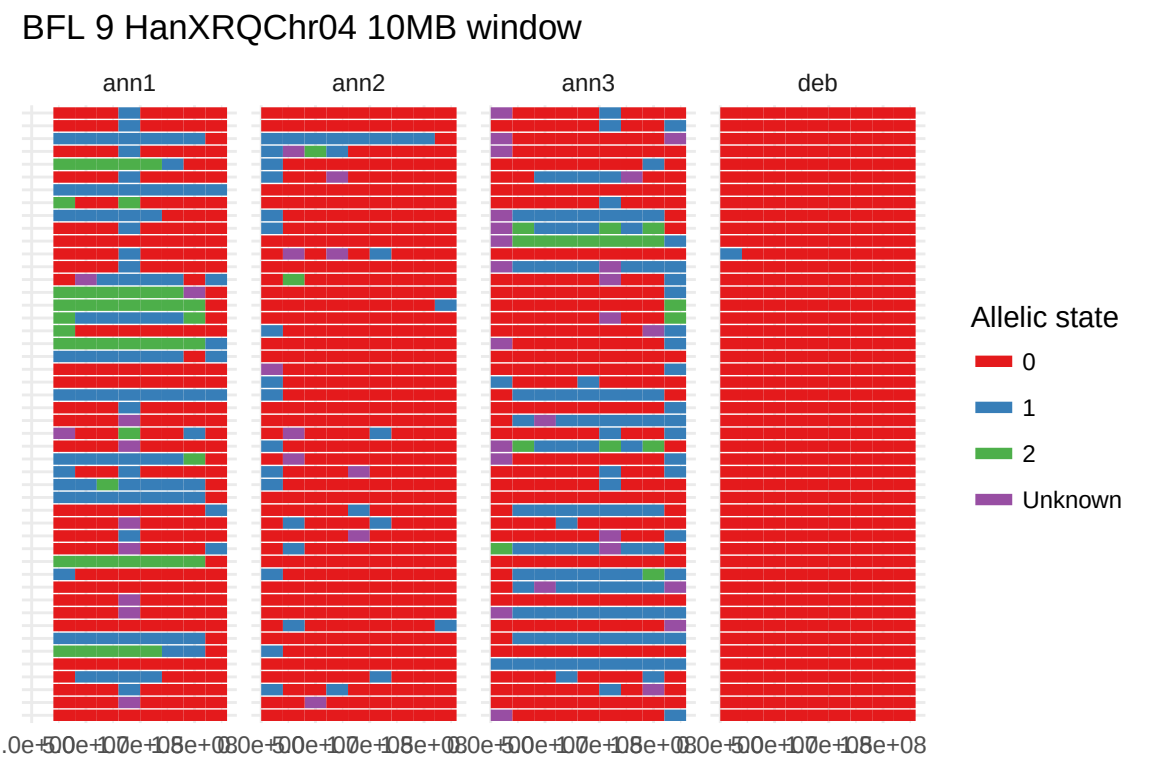
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 9 HanXRQChr03 10MB window

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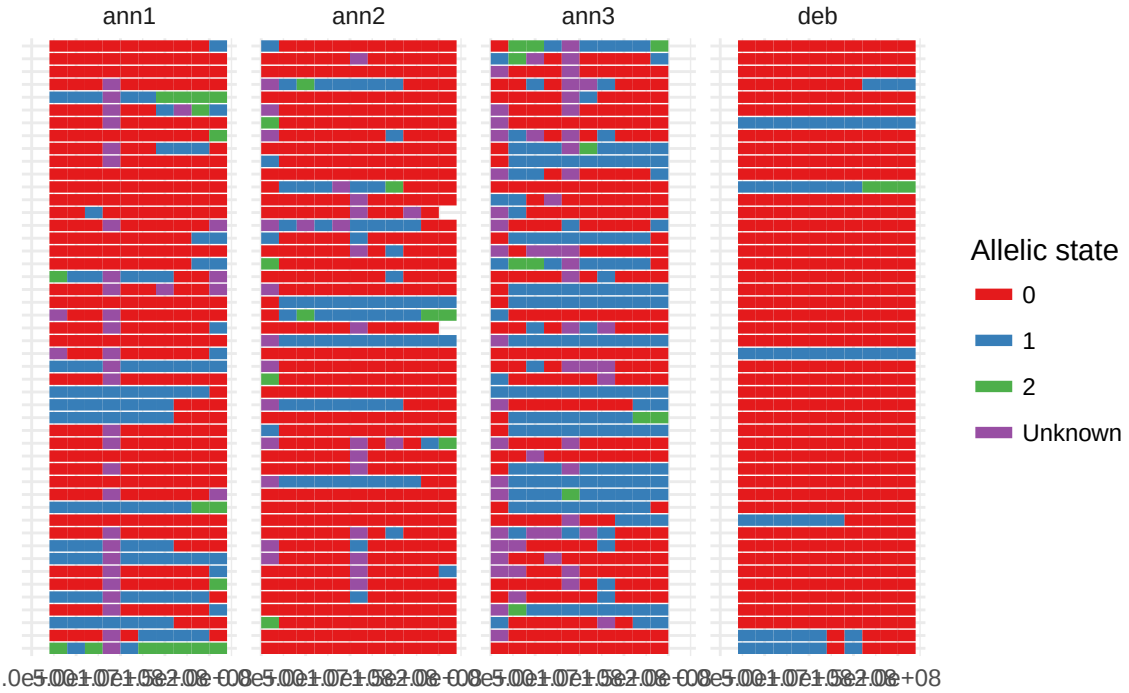
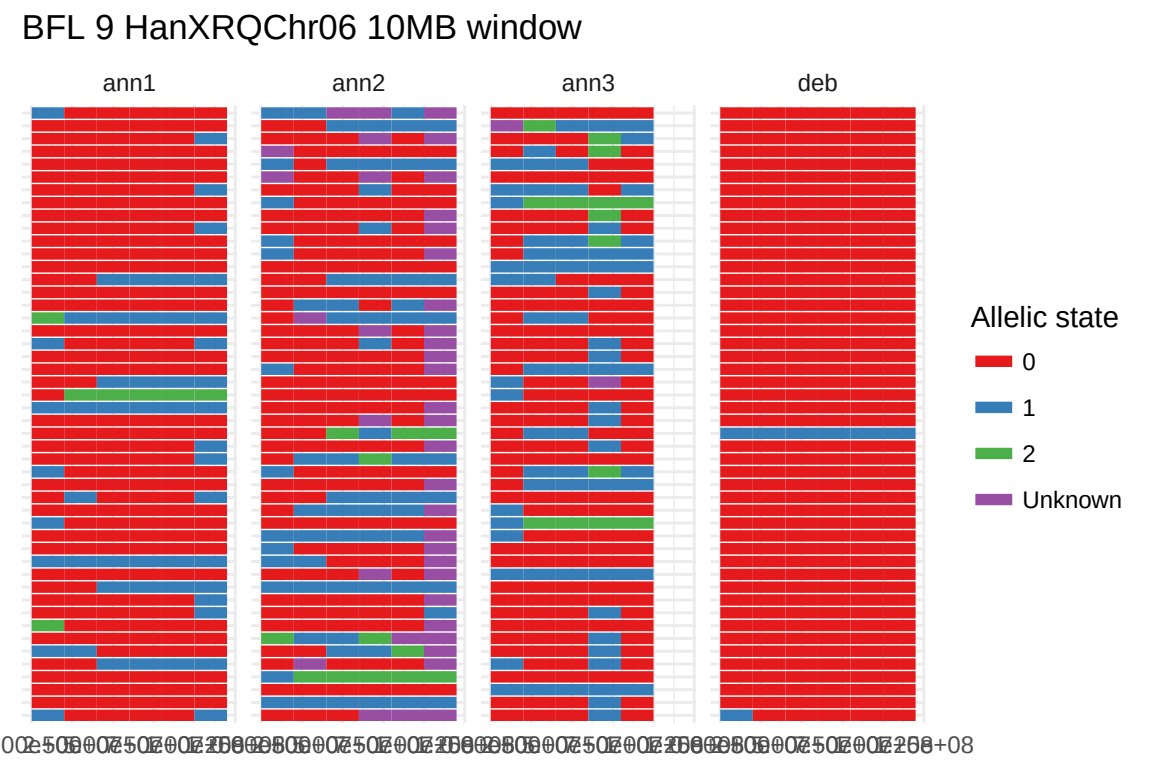
BFL 9 HanXRQChr05 10MB window




BFL 9 HanXRQChr06 10MB window
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ann3
deb
Allelic state
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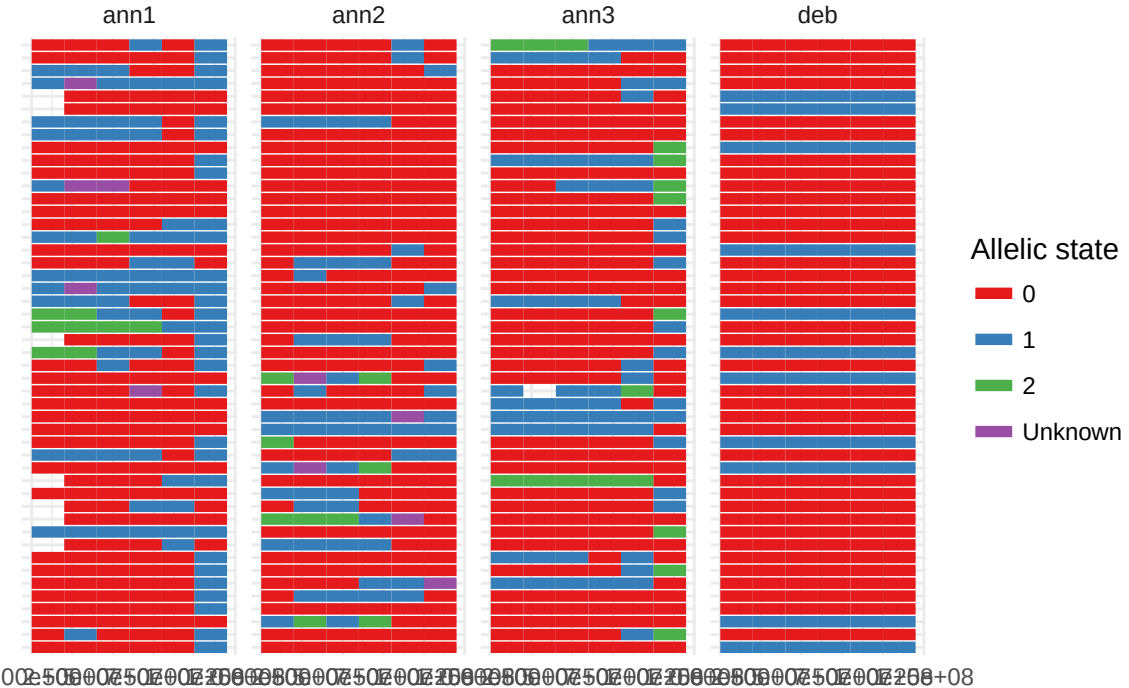
1
2
Unknown

BFL 9 HanXRQChr07 10MB window



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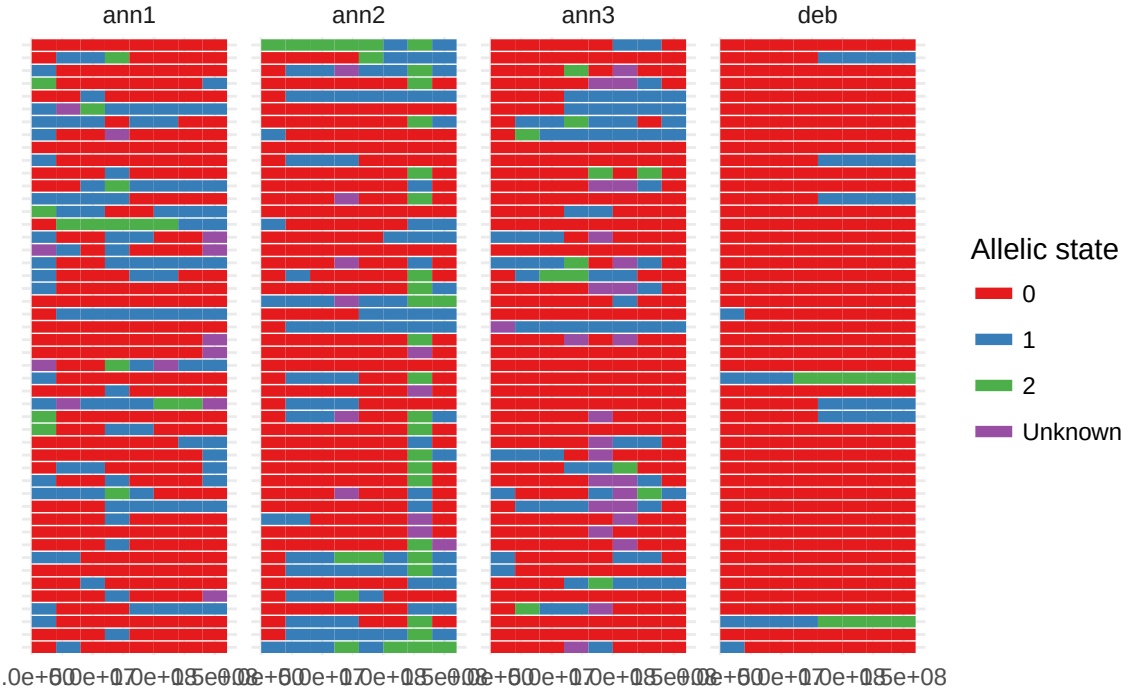
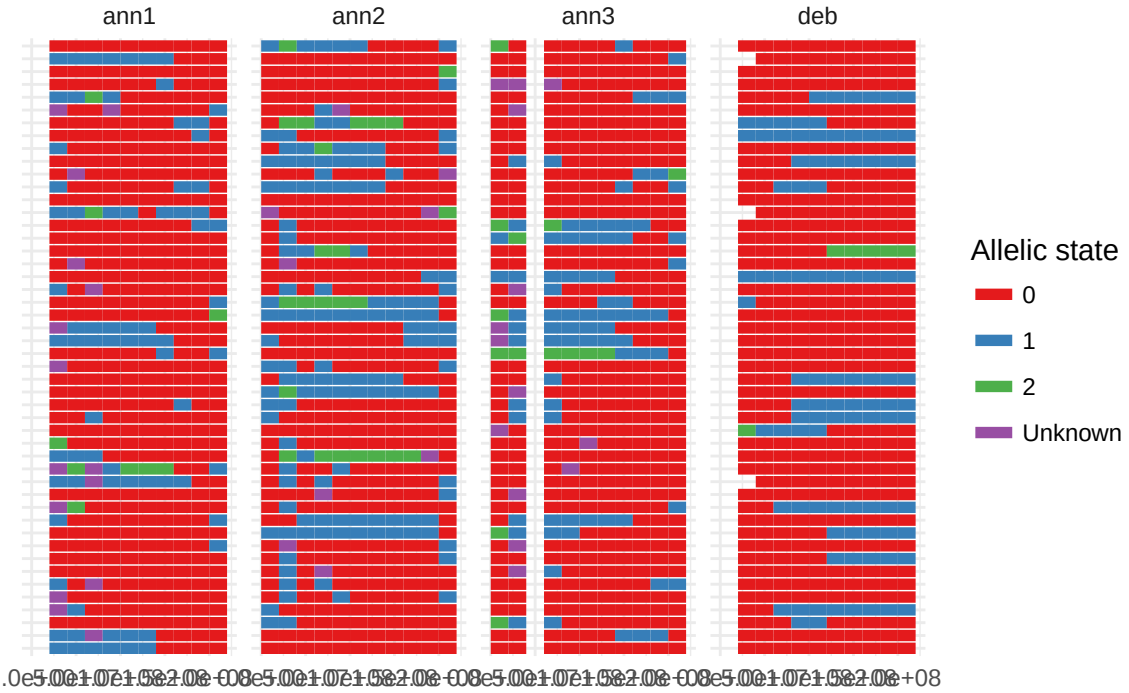


BFL 9 HanXRQChr09 10MB window



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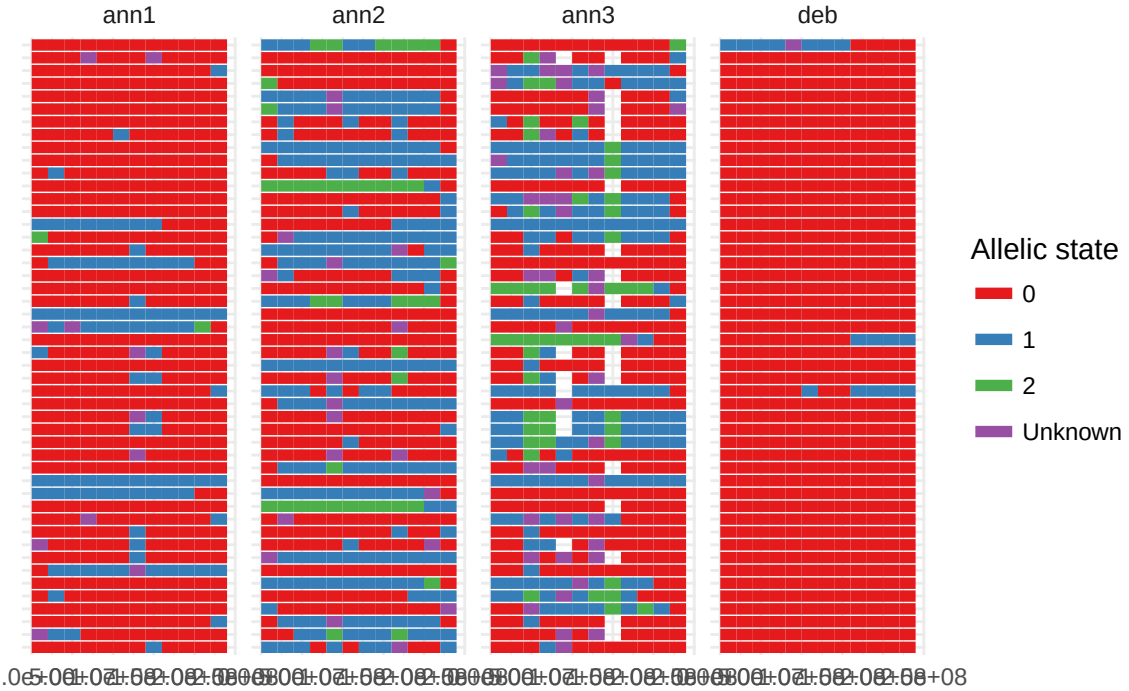
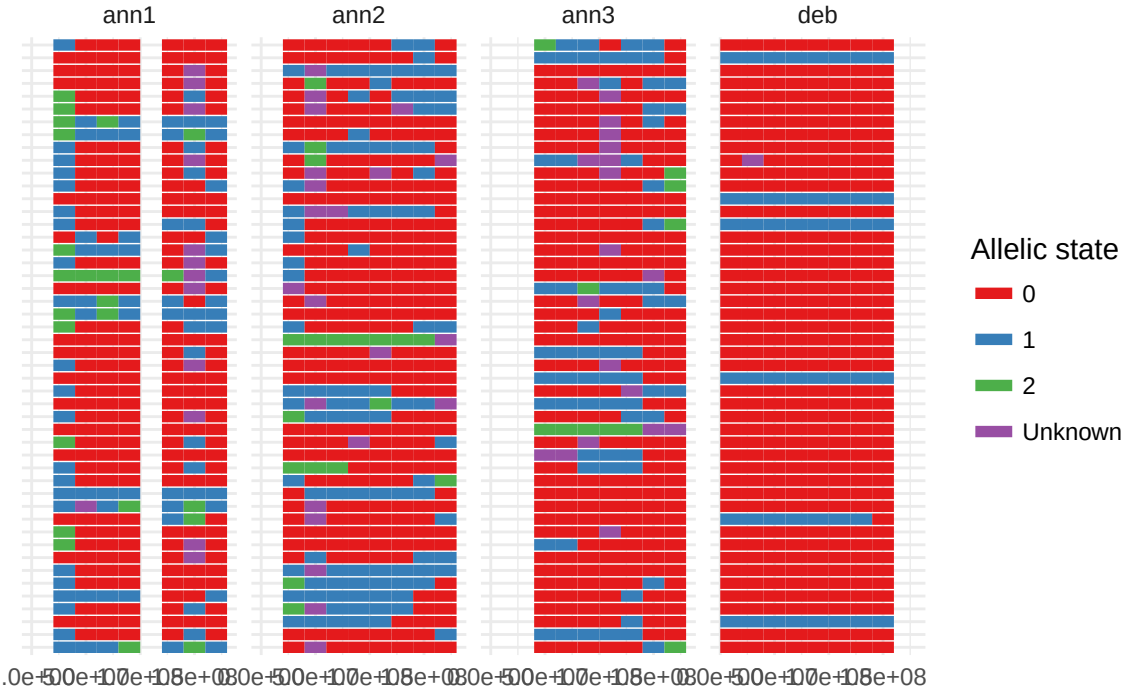
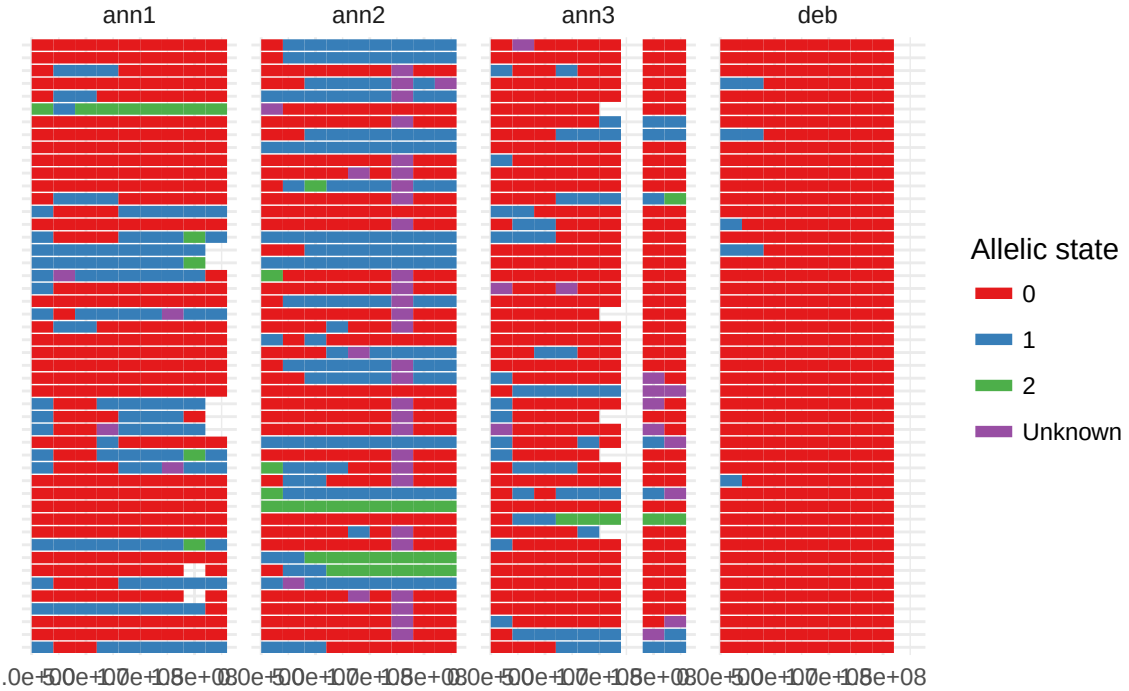
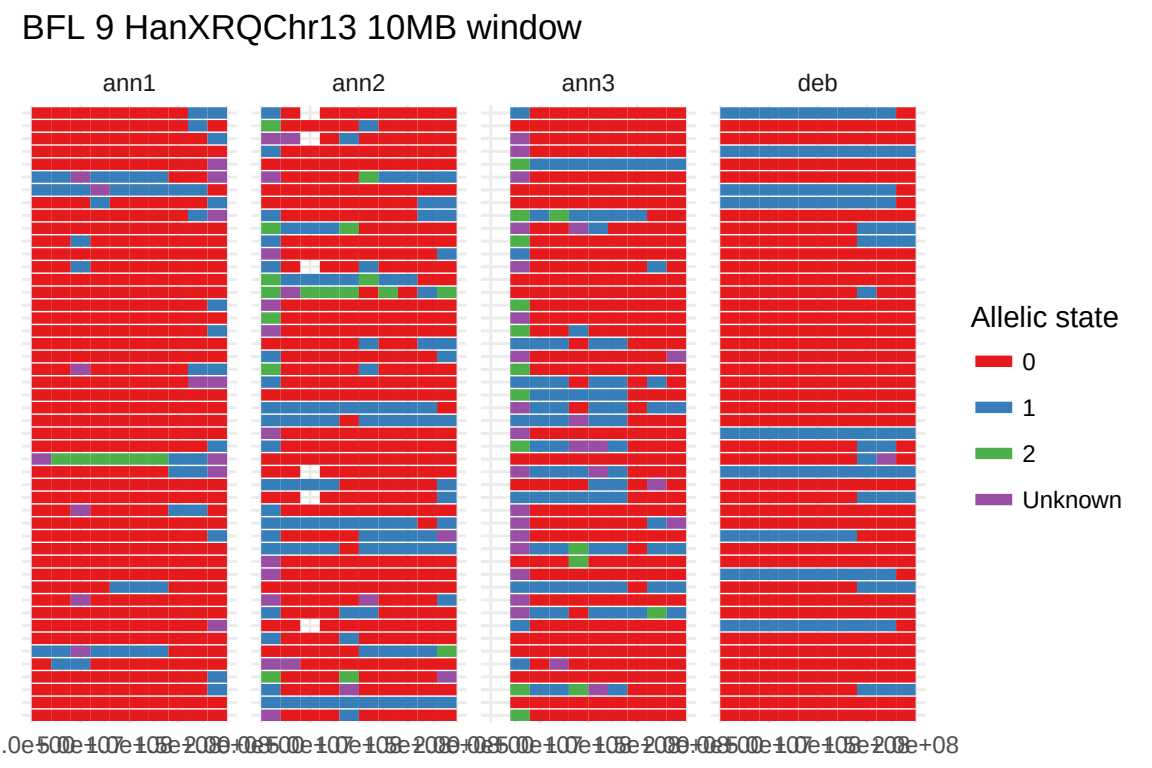


BFL 9 HanXRQChr11 10MB window



BFL 9 HanXRQChr12 10MB window

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ann3
deb
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1
2
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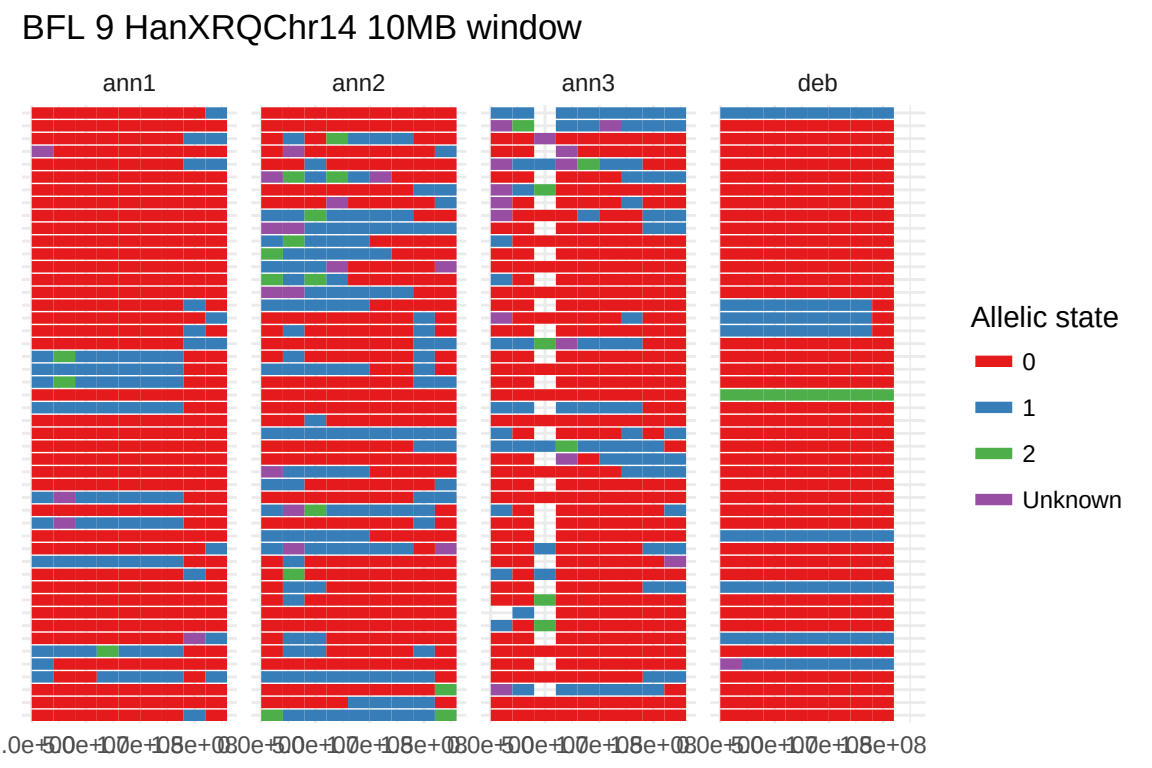
BFL 9 HanXRQChr14 10MB window
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ann2
ann3
deb
Allelic state
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1
2
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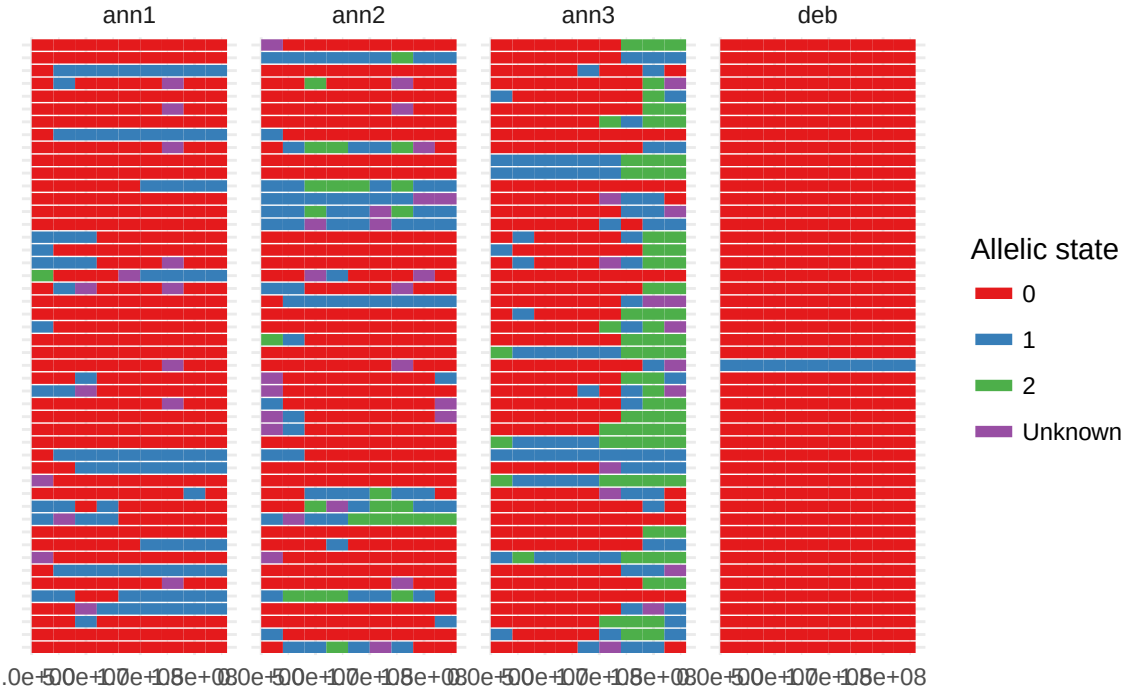
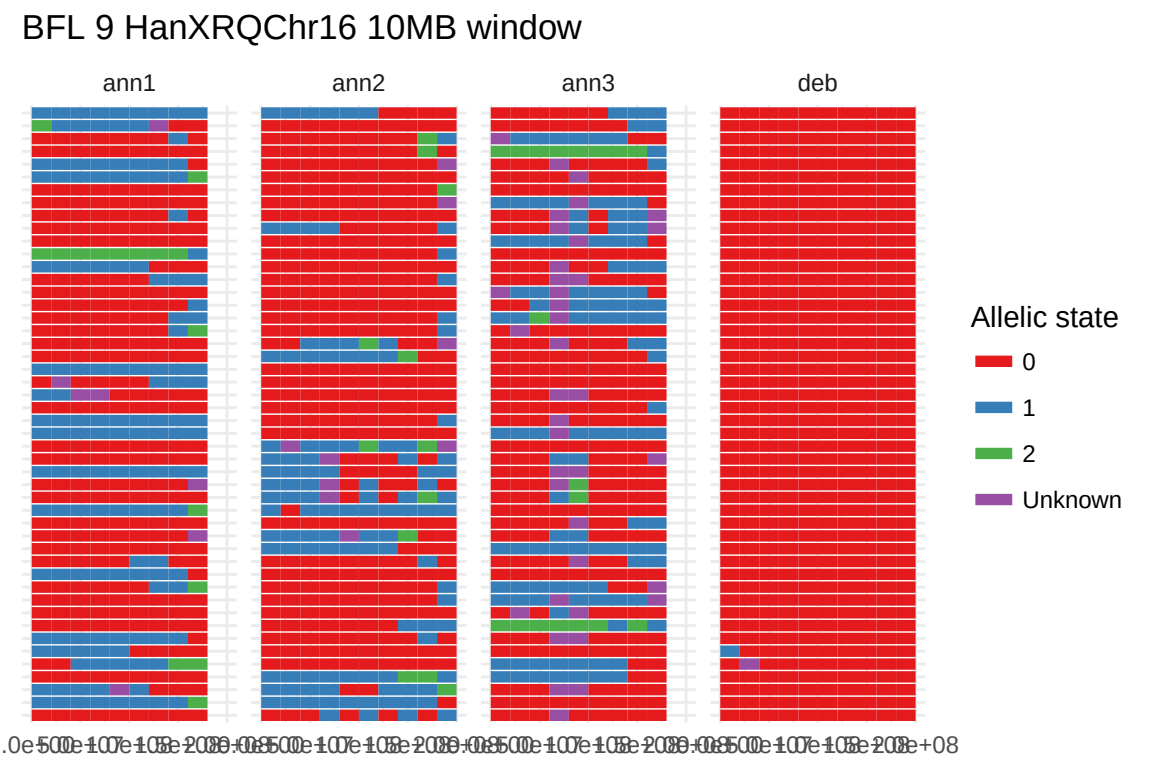
BFL 9 HanXRQChr15 10MB window

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ann3
deb
Allelic state
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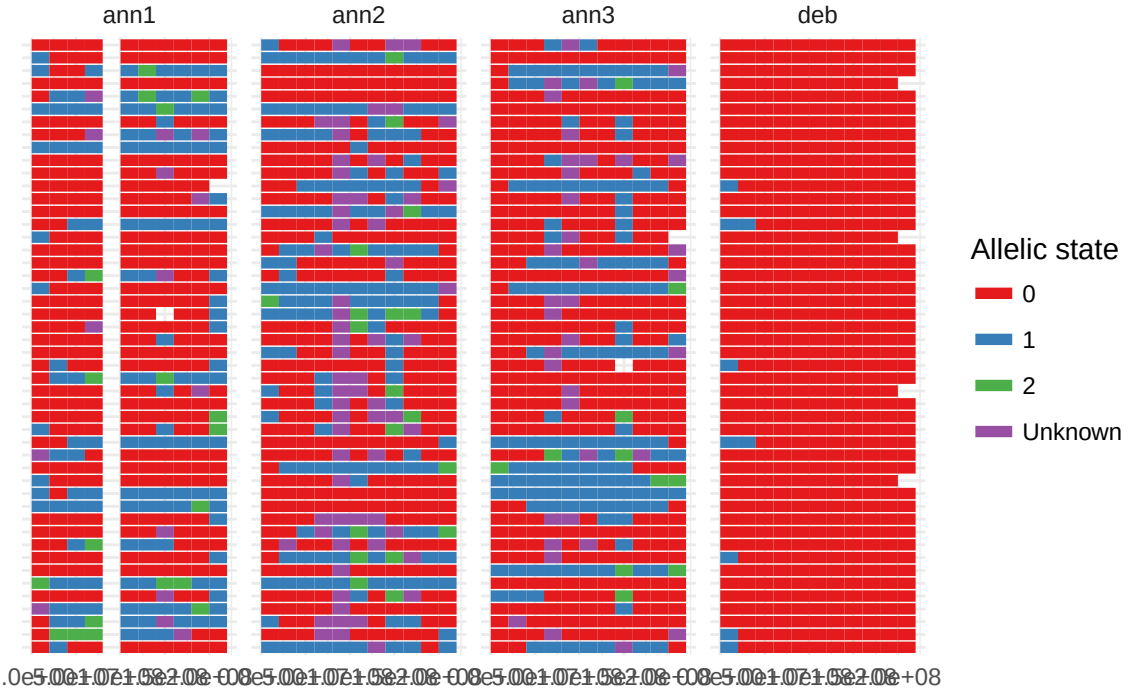
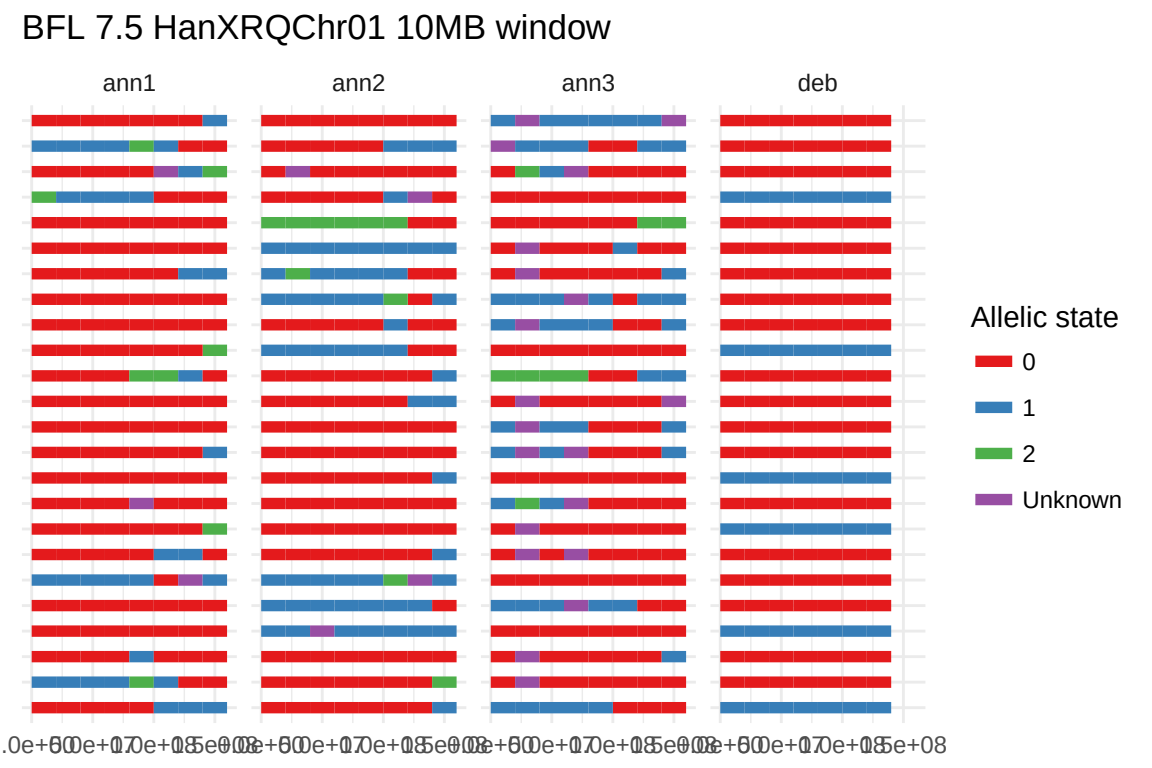
1
2
Unknown

BFL 9 HanXRQChr17 10MB window

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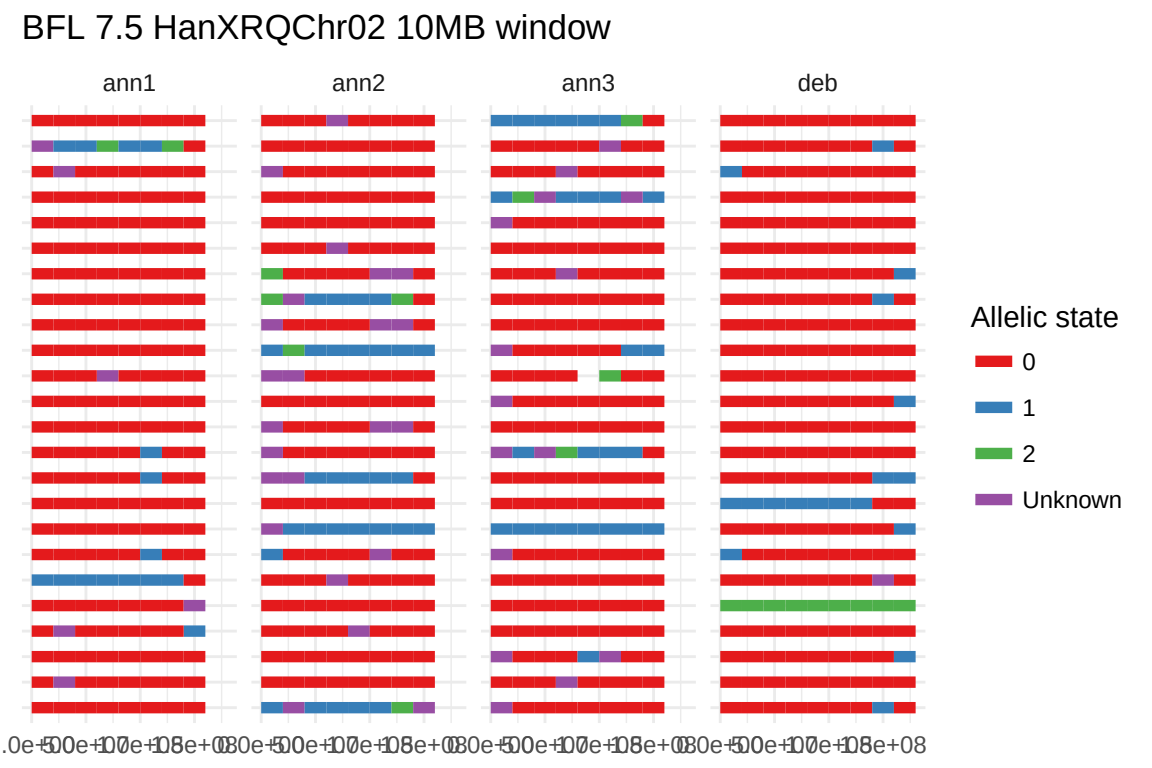
BFL 7.5 HanXRQChr02 10MB window
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ann3
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Allelic state
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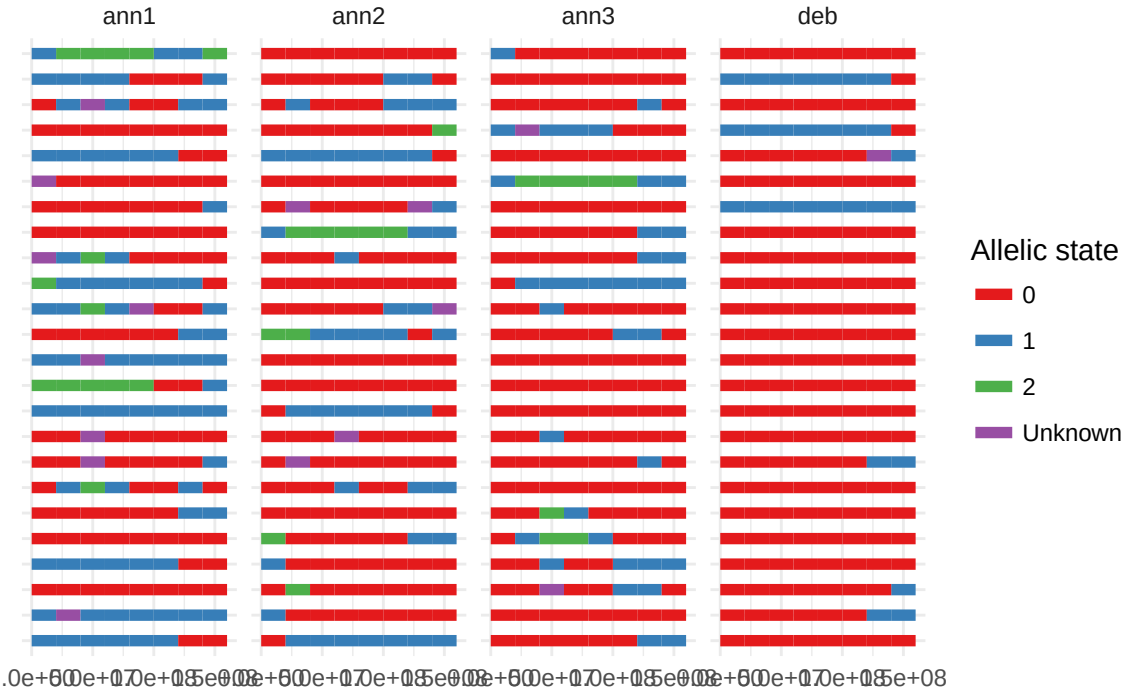
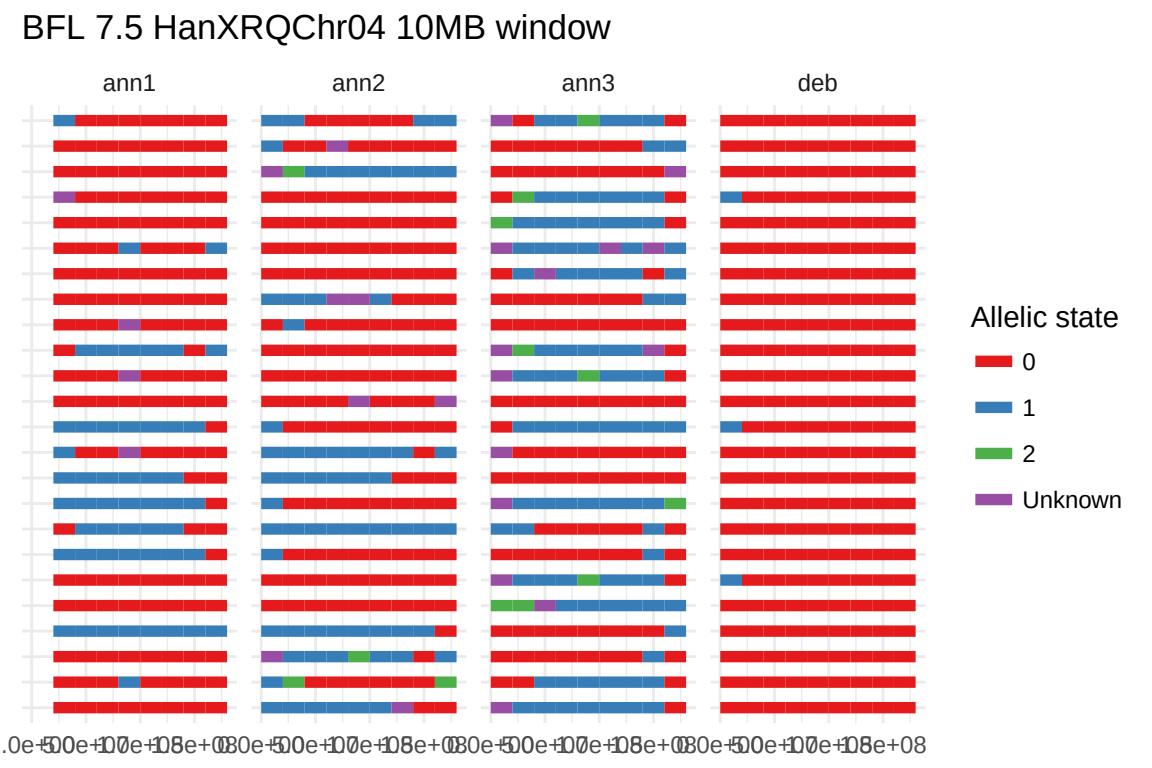
1
2
Unknown

BFL 7.5 HanXRQChr03 10MB window

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1
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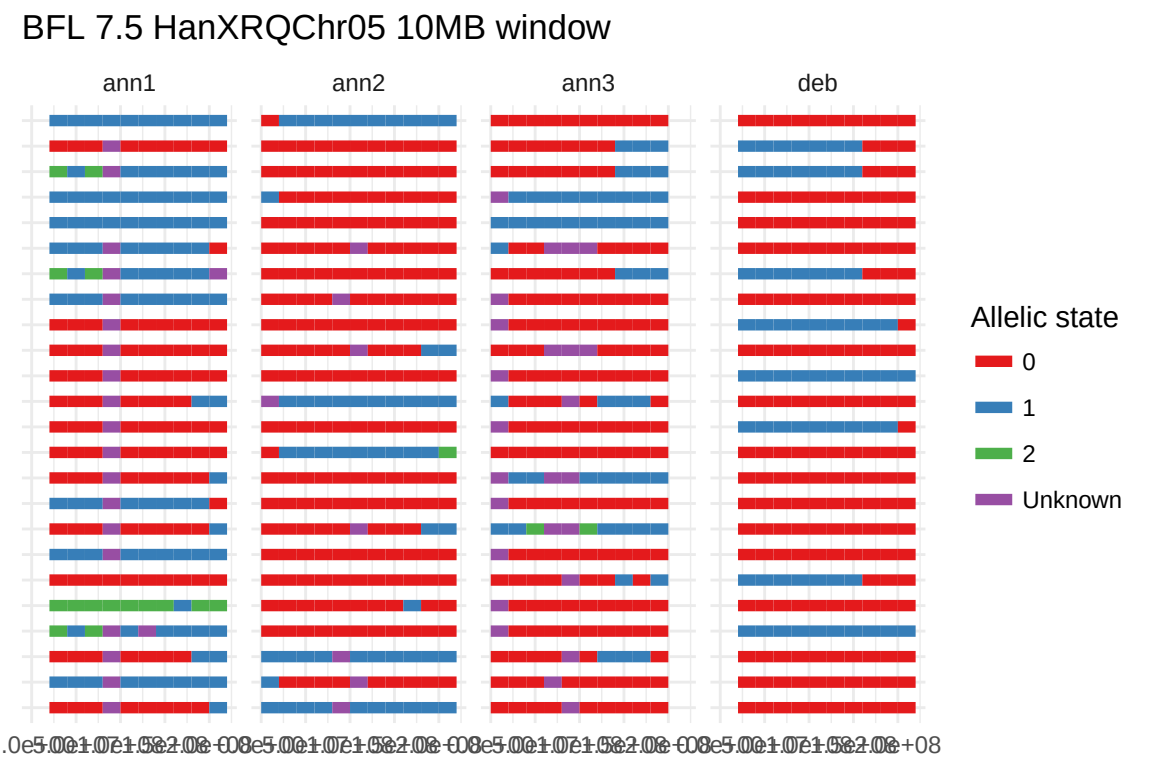
Unknown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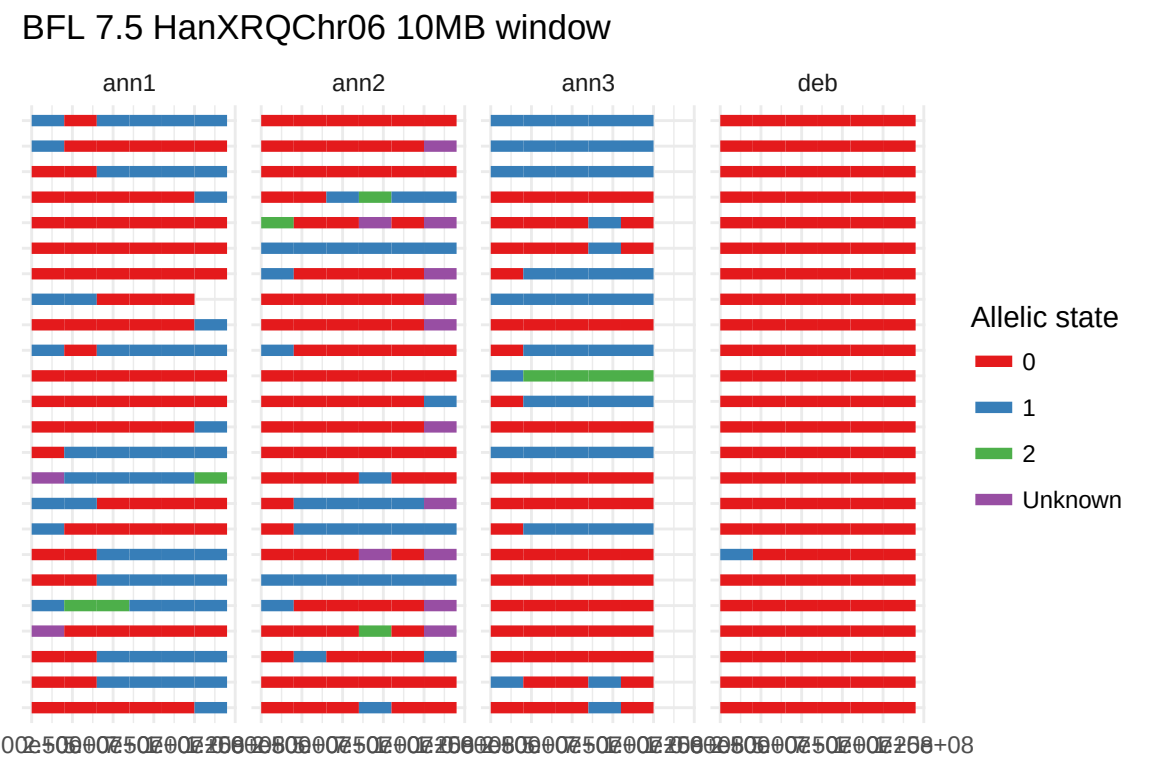
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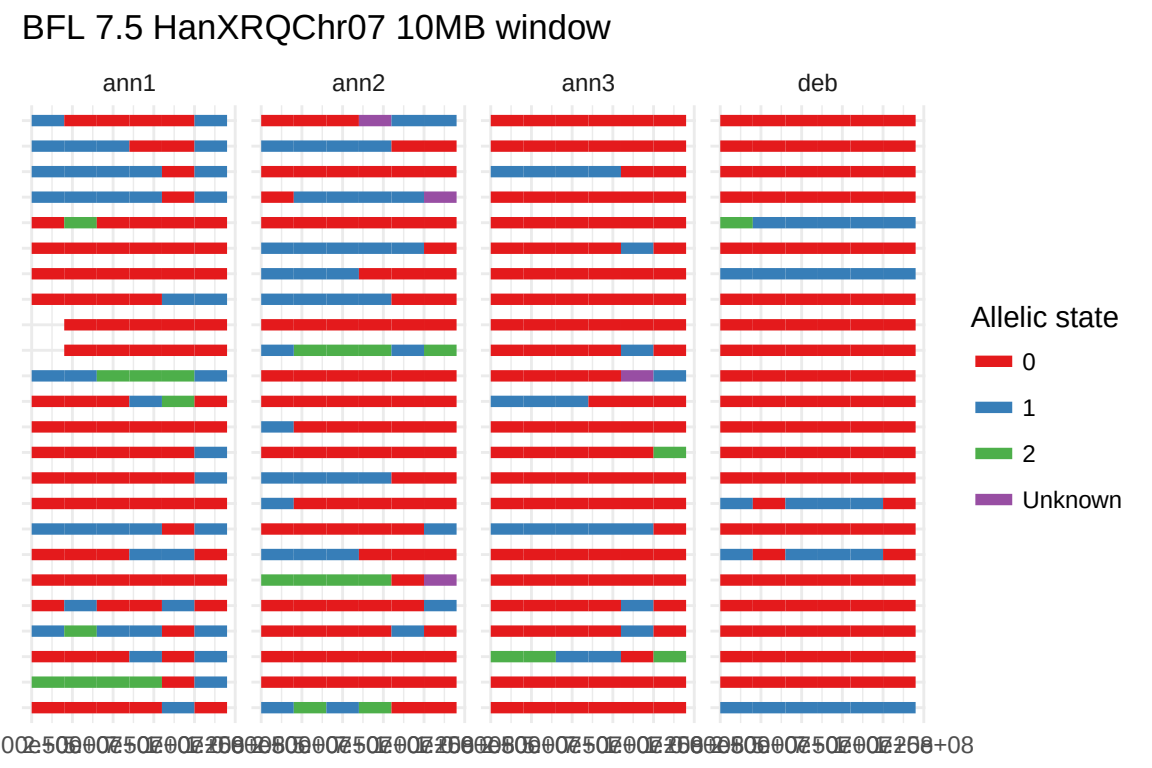
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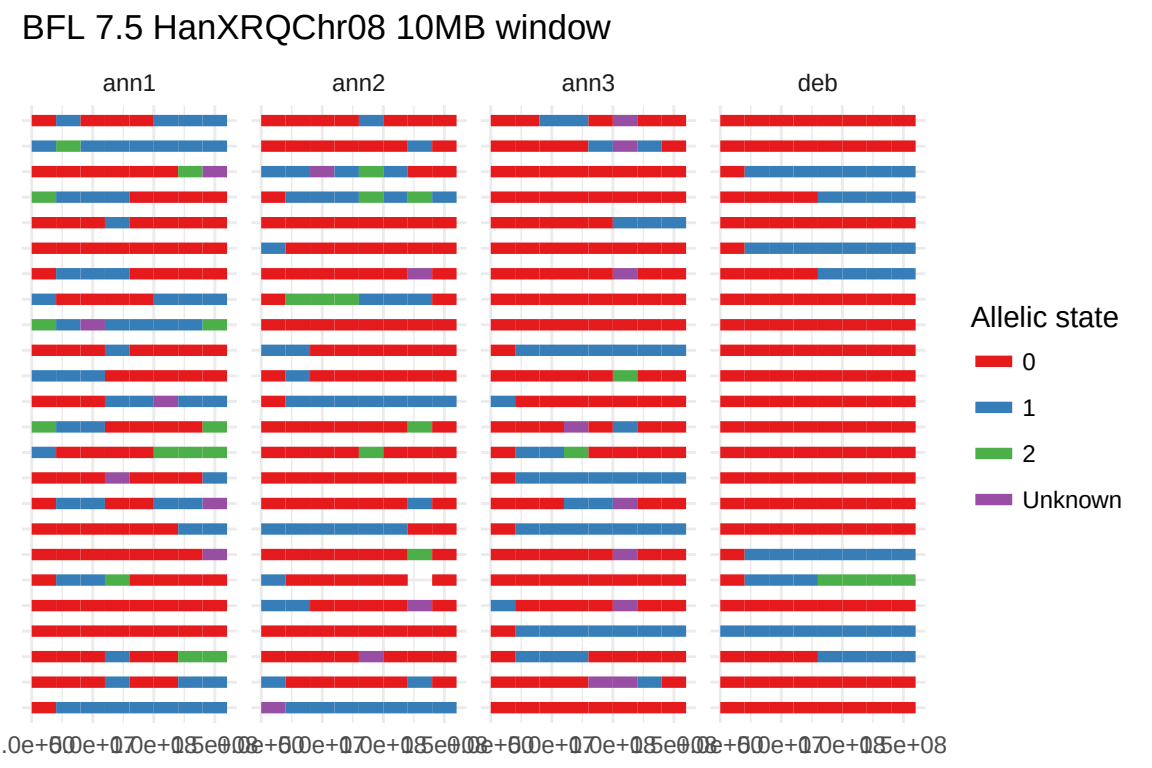
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2
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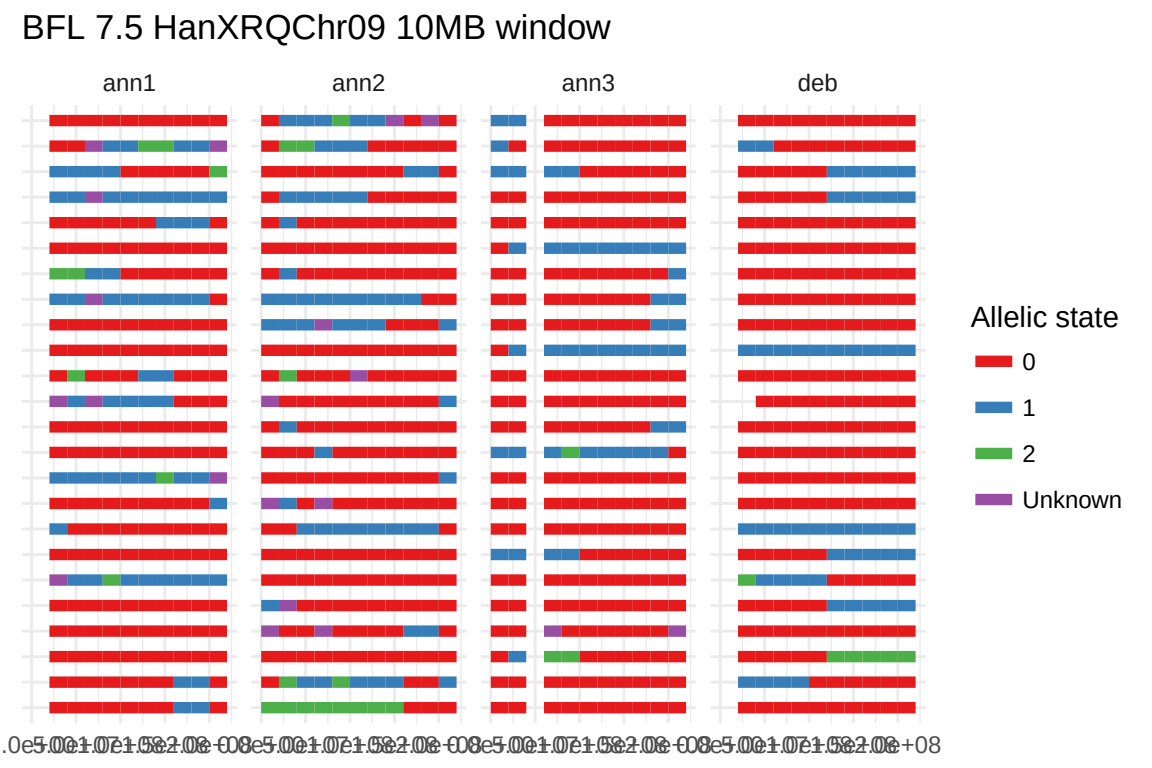
BFL 7.5 HanXRQChr09 10MB window
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ann3
deb
Allelic state
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1
2
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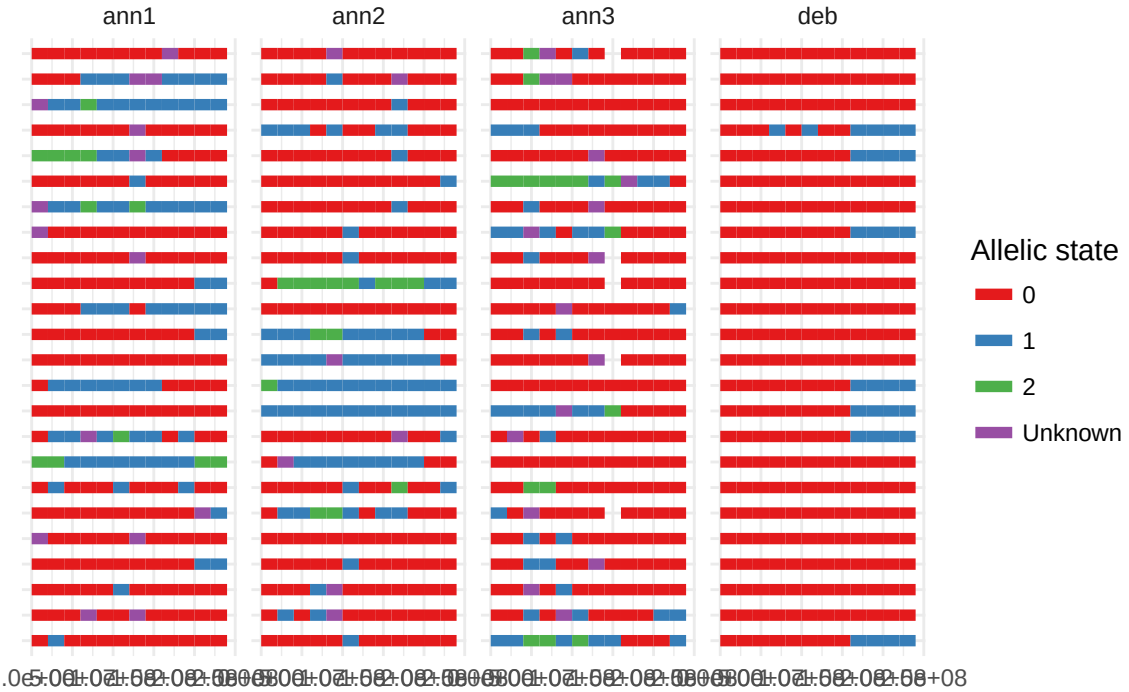
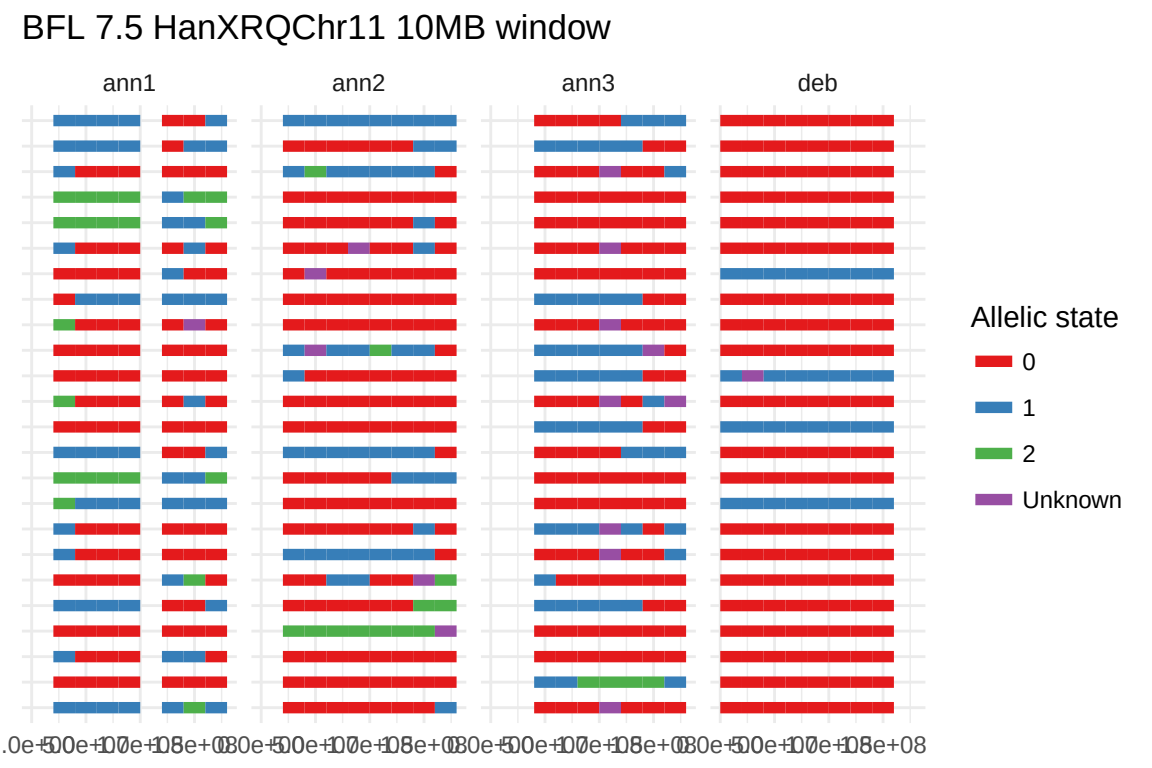
BFL 7.5 HanXRQChr10 10MB window




BFL 7.5 HanXRQChr11 10MB window
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ann2
ann3
deb
Allelic state
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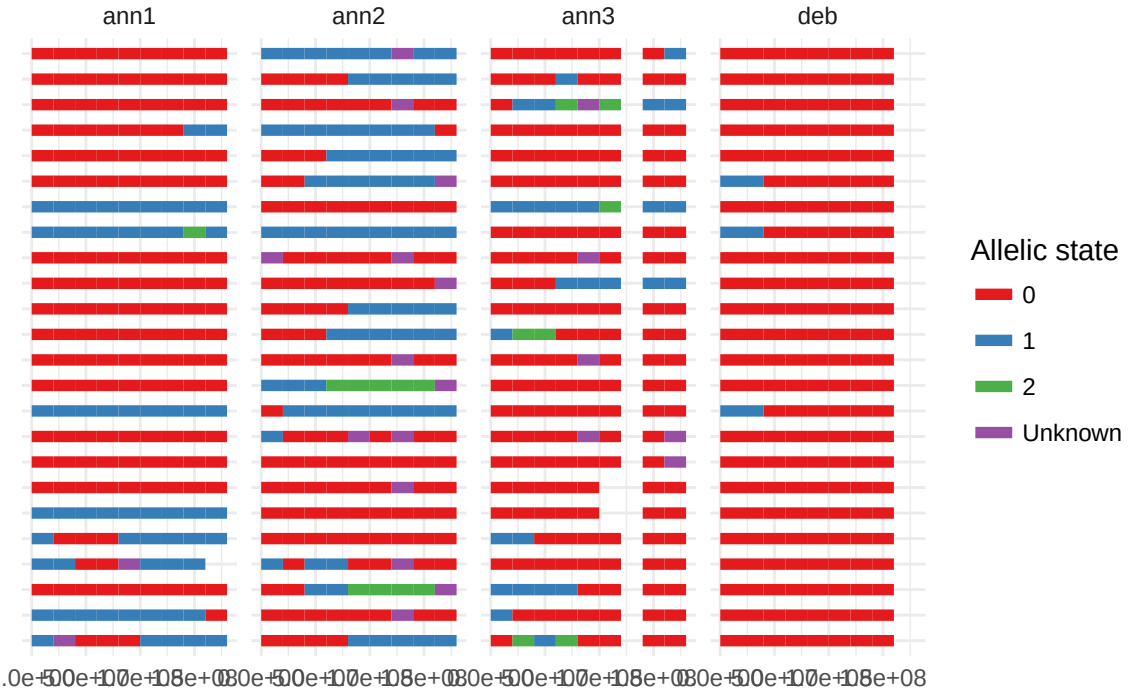
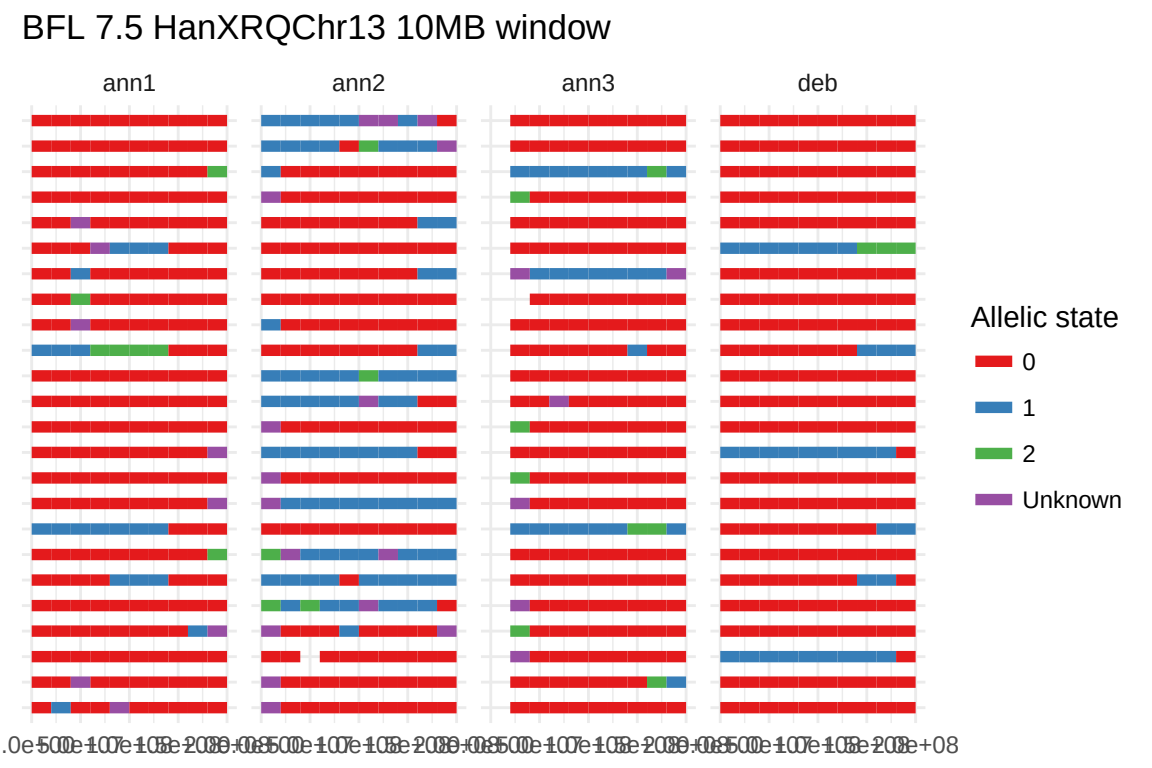
1
2
Unknown

BFL 7.5 HanXRQChr12 10MB window

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ann3
deb
Allelic state
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2
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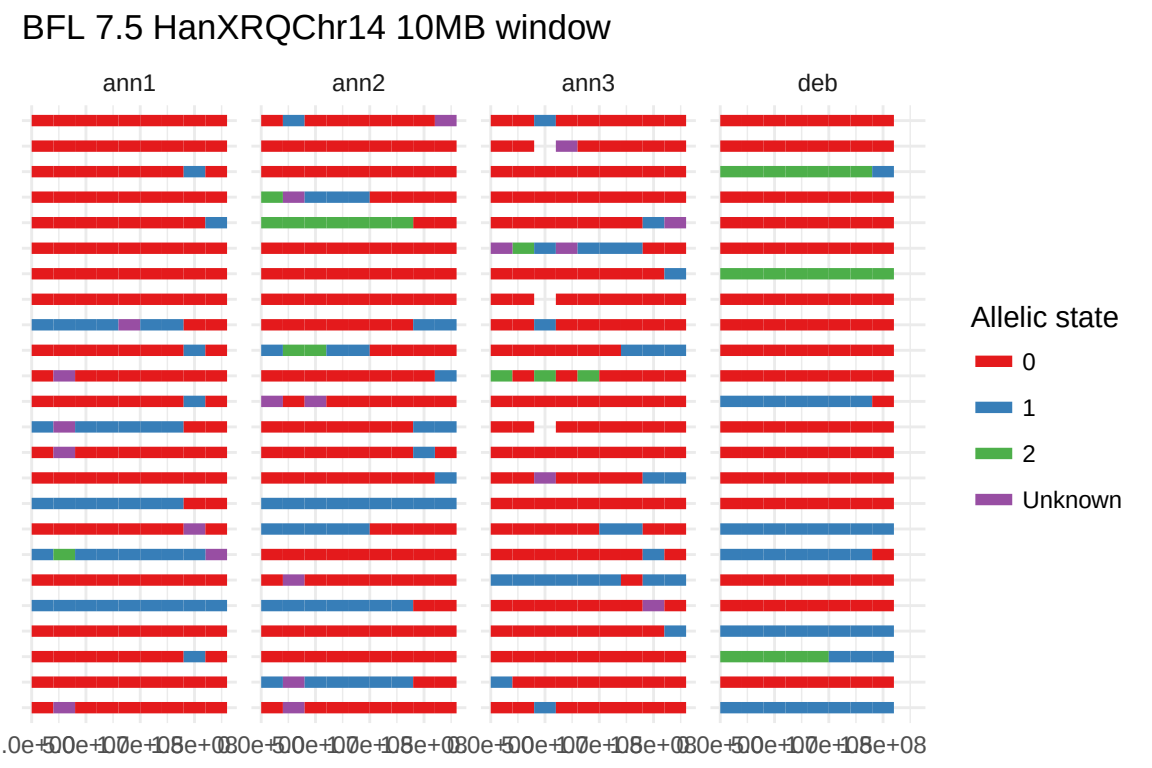
BFL 7.5 HanXRQChr14 10MB window
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ann3
deb
Allelic state
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BFL 7.5 HanXRQChr15 10MB window
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ann2
ann3
deb
Allelic state
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1
2
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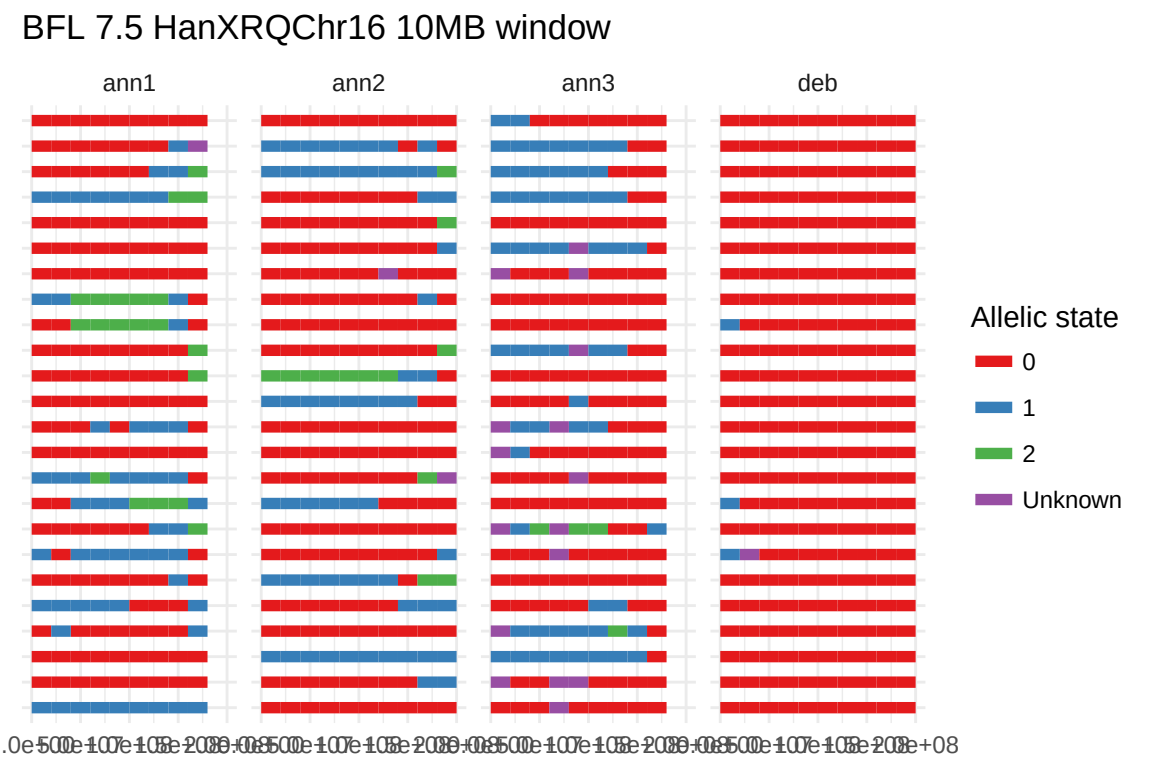
BFL 7.5 HanXRQChr16 10MB window
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1
2
Unknown

BFL 7.5 HanXRQChr17 10MB window
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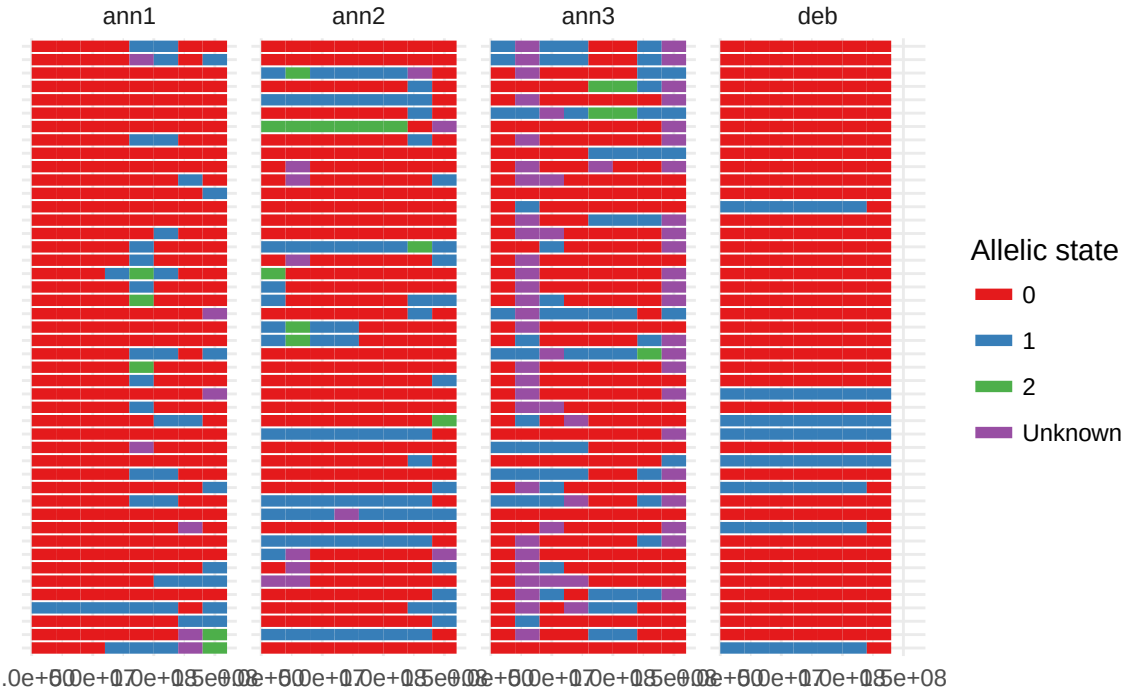
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 10 HanXRQChr01 10MB window



BFL 10 HanXRQChr02 10MB window
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ann2
ann3
deb
Allelic state
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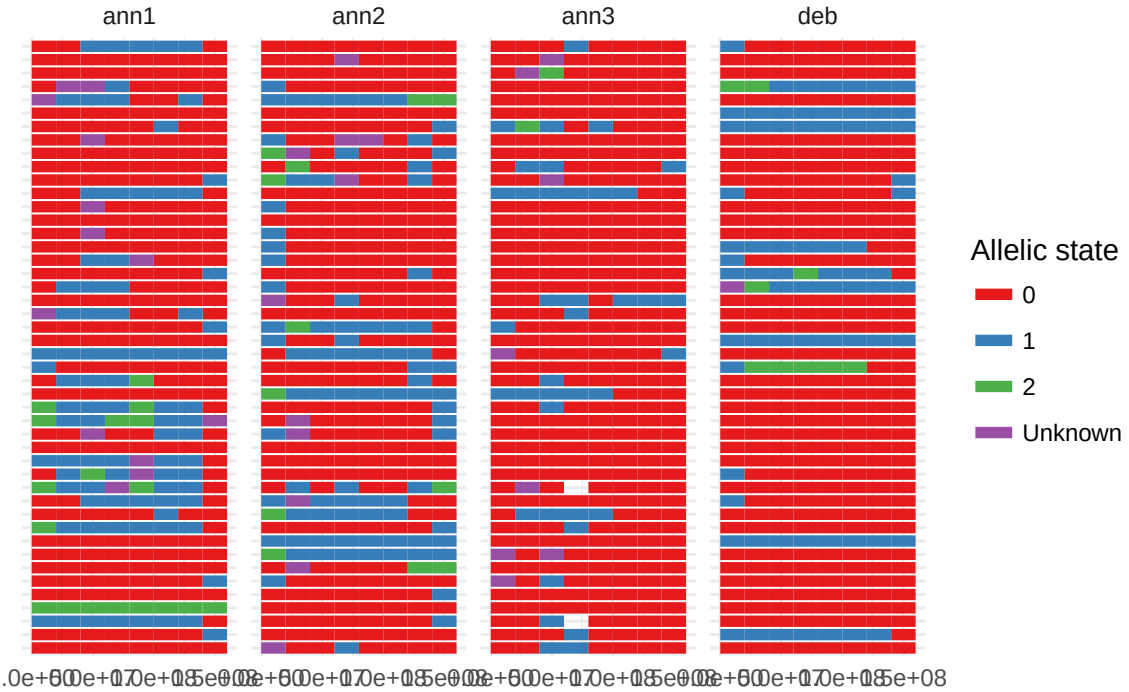
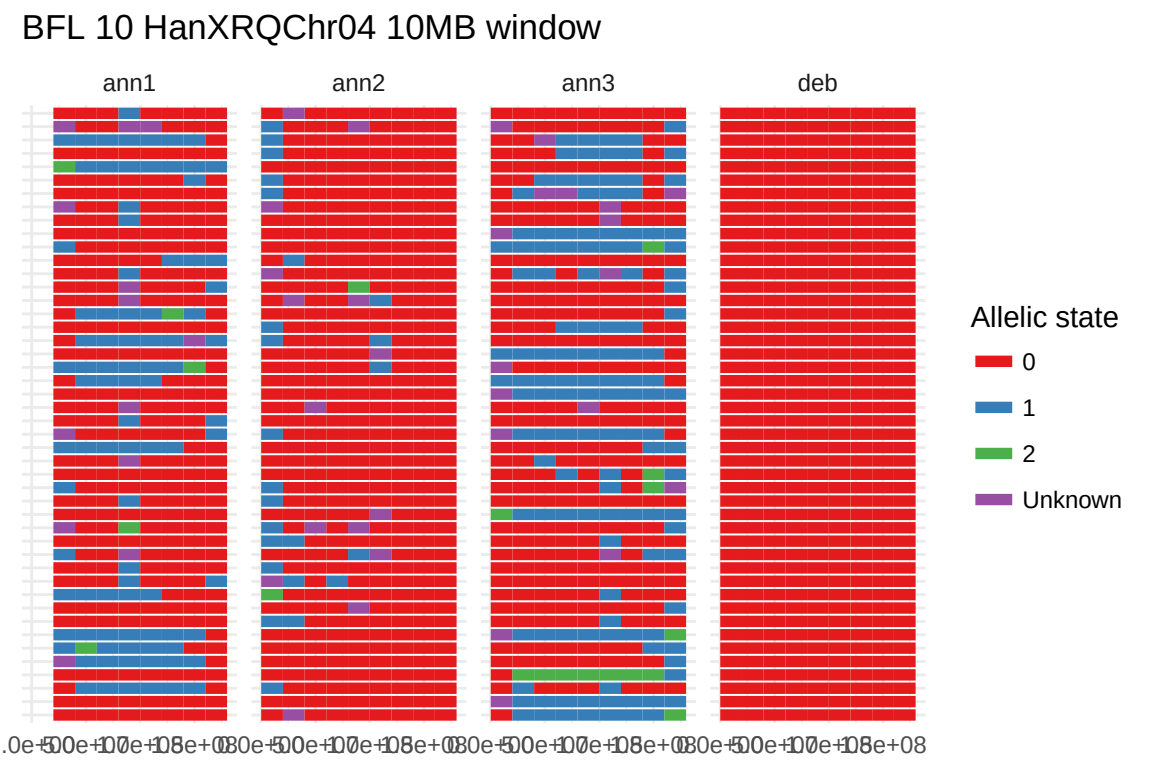
1
2
Unknown

BFL 10 HanXRQChr03 10MB window




BFL 10 HanXRQChr04 10MB window
ann1
ann2
ann3
deb
Allelic state
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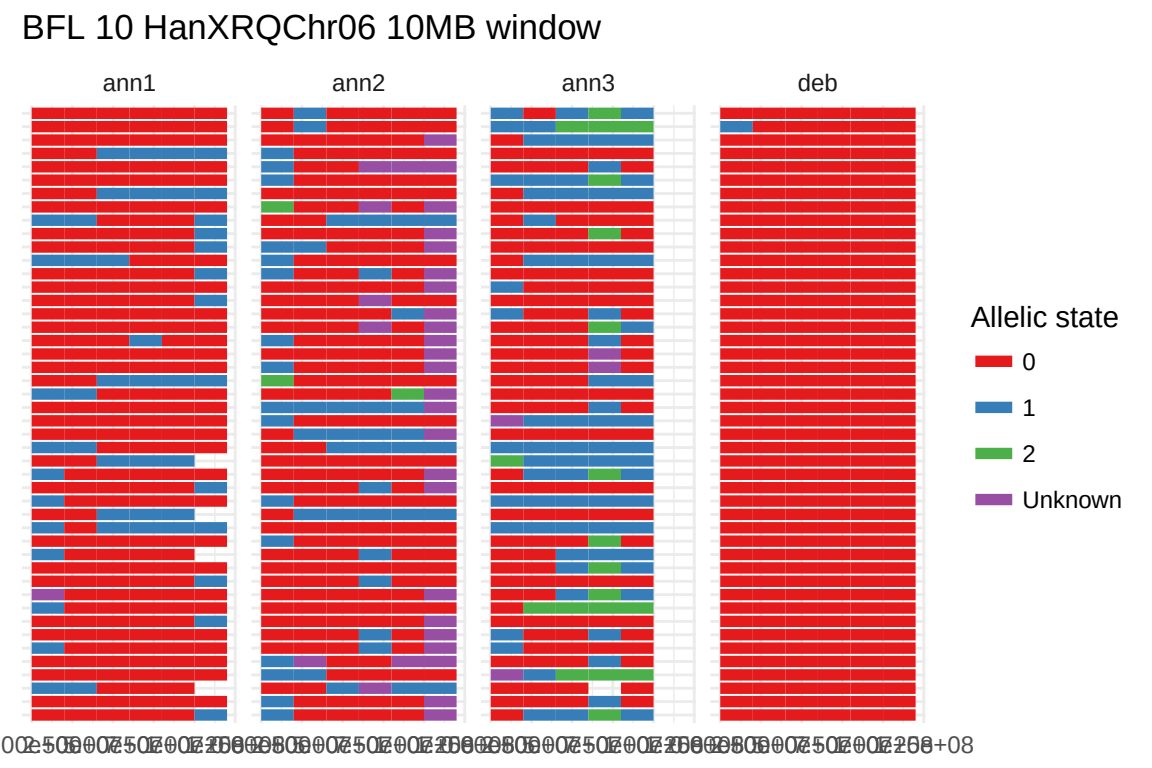
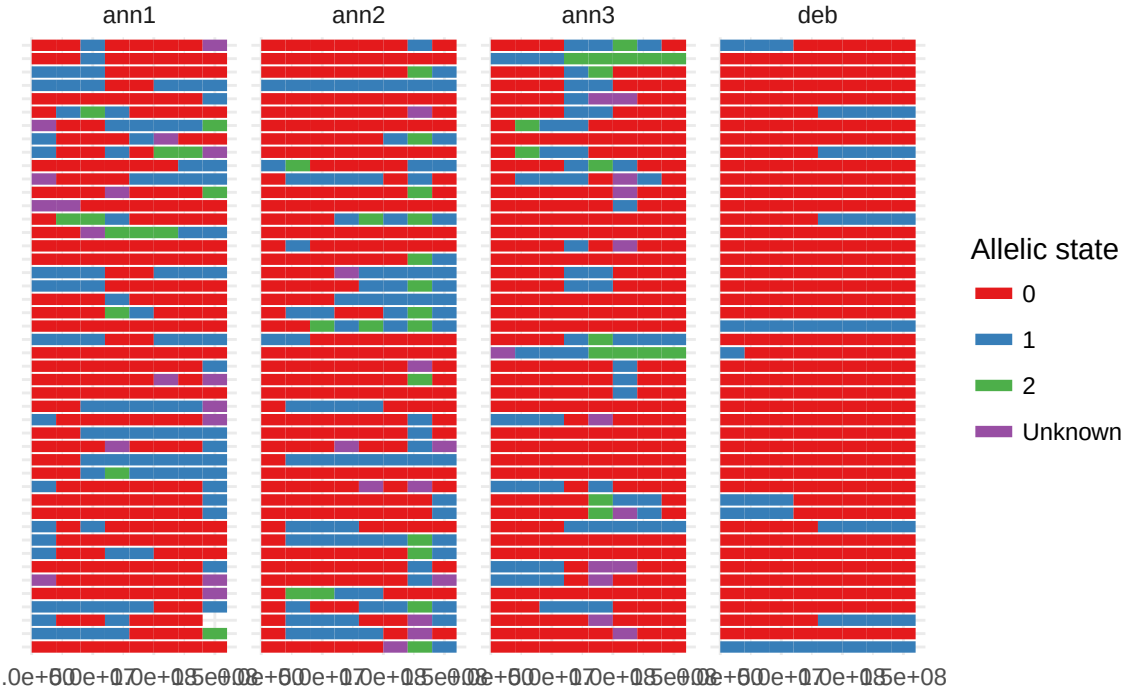
1
2
Unknown

BFL 10 HanXRQChr05 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

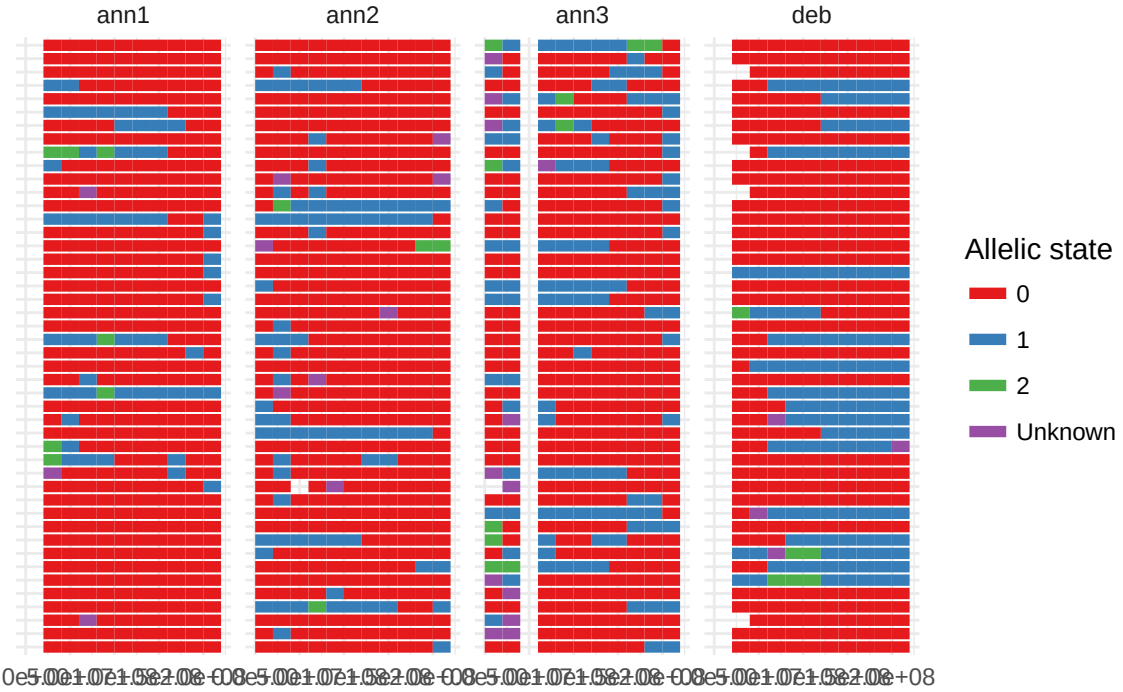

BFL 10 HanXRQChr06 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 10 HanXRQChr07 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

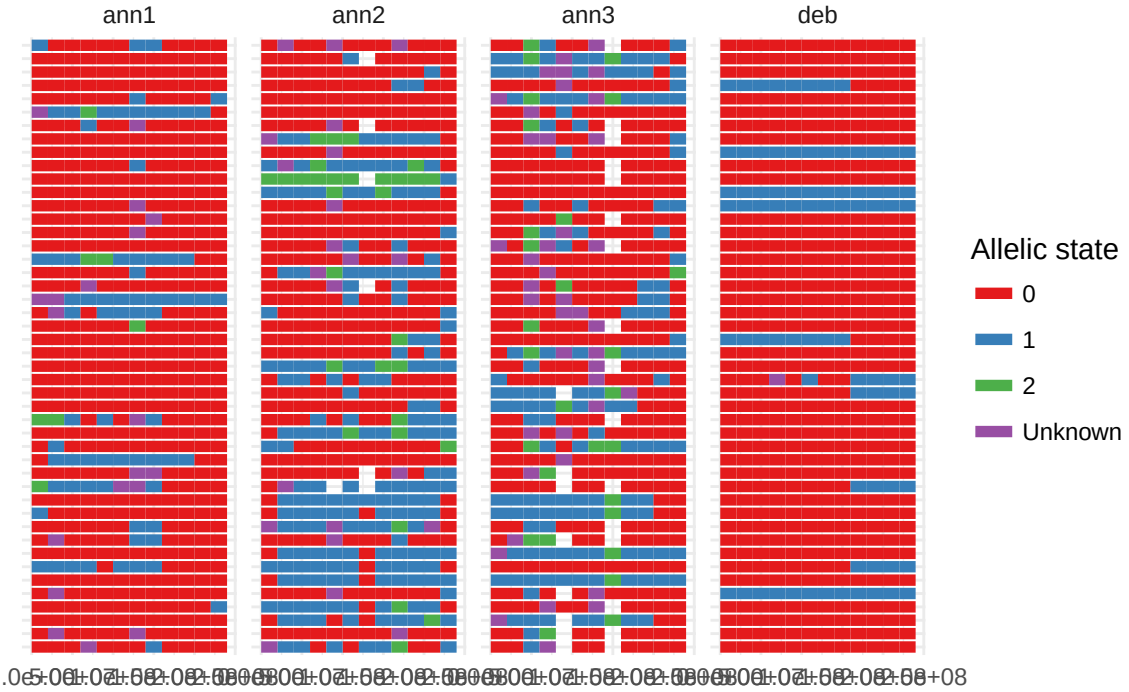
BFL 10 HanXRQChr08 10MB window



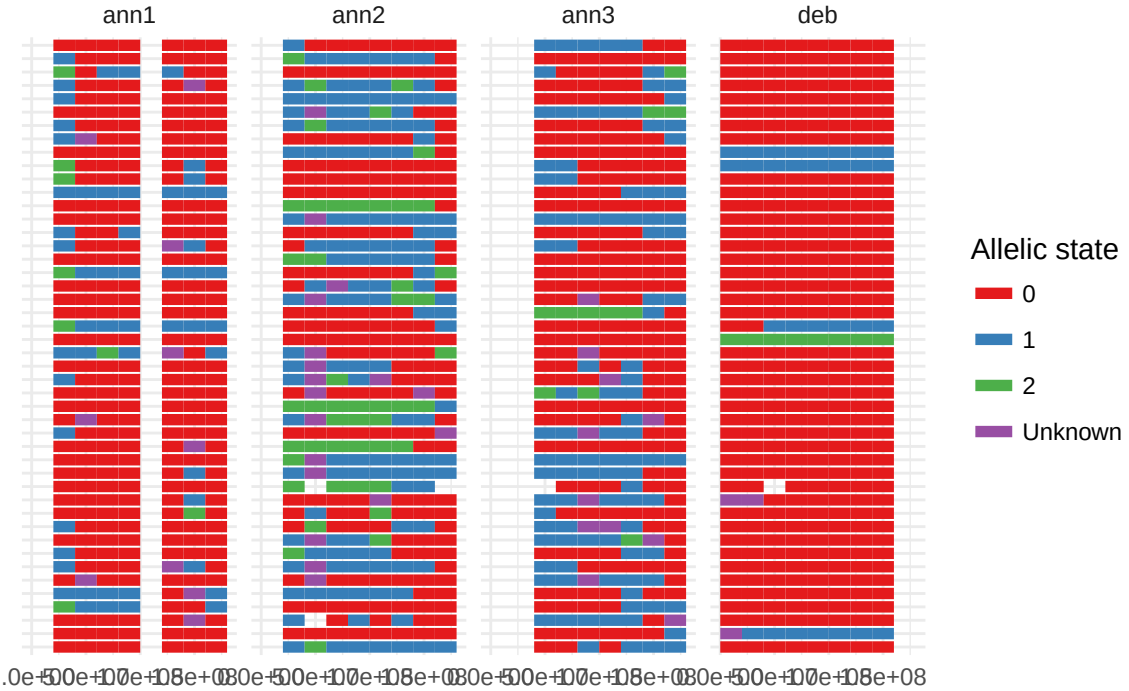
BFL 10 HanXRQChr09 10MB window



BFL 10 HanXRQChr10 10MB window



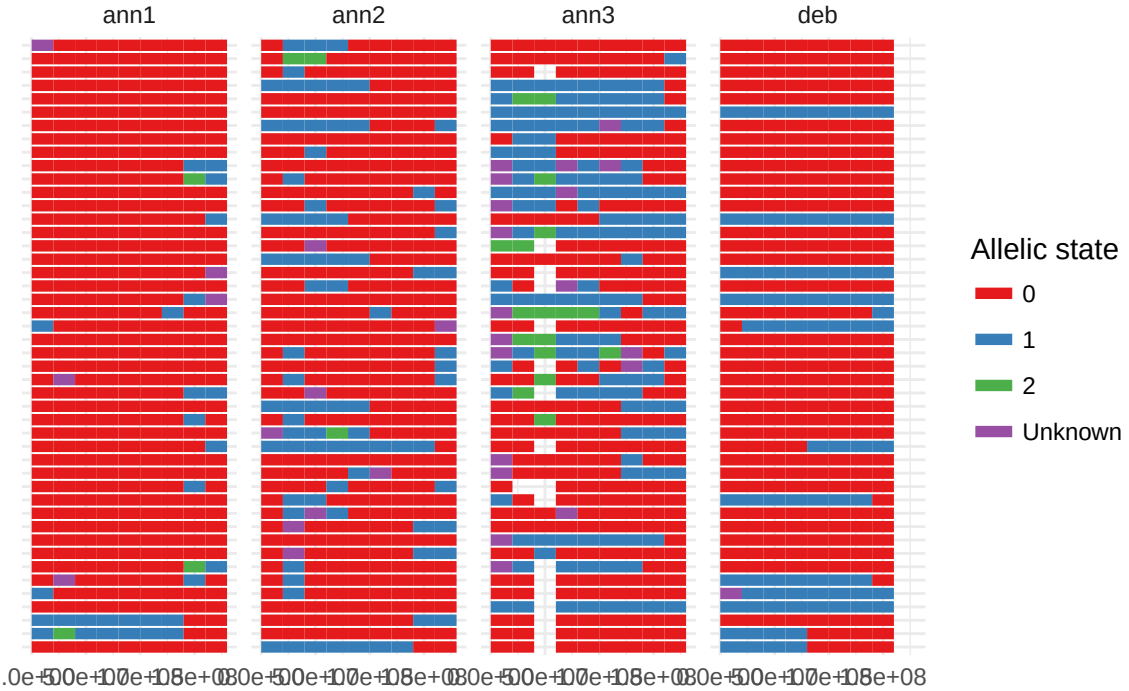
BFL 10 HanXRQChr11 10MB window



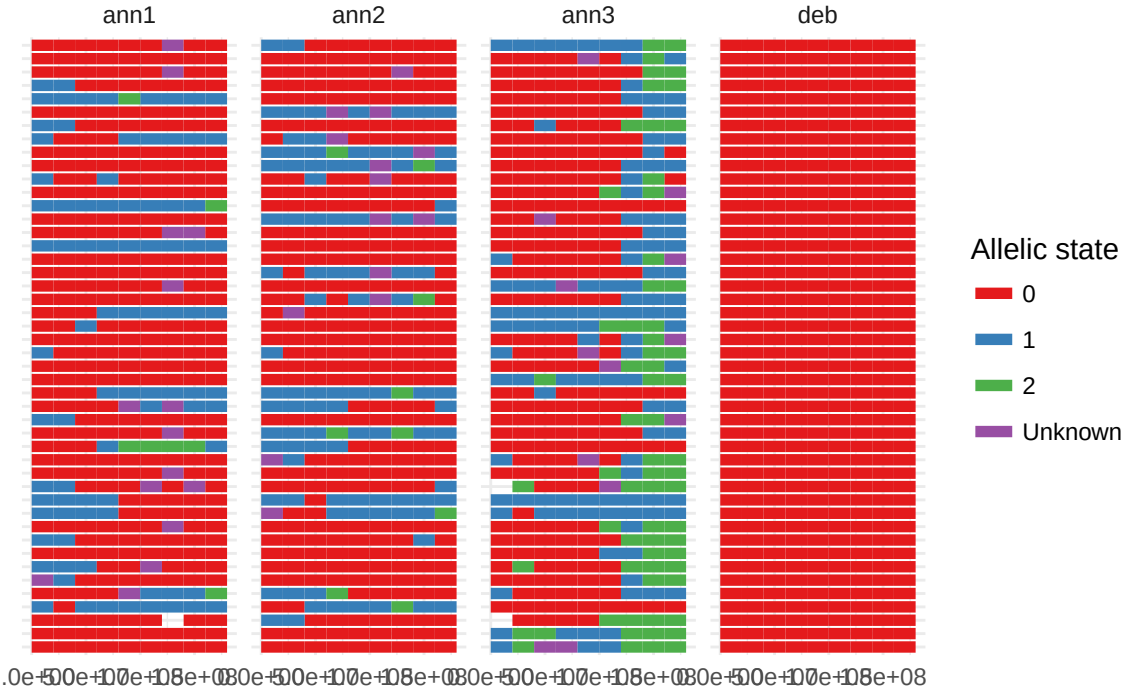
BFL 10 HanXRQChr12 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 10 HanXRQChr13 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 10 HanXRQChr14 10MB window



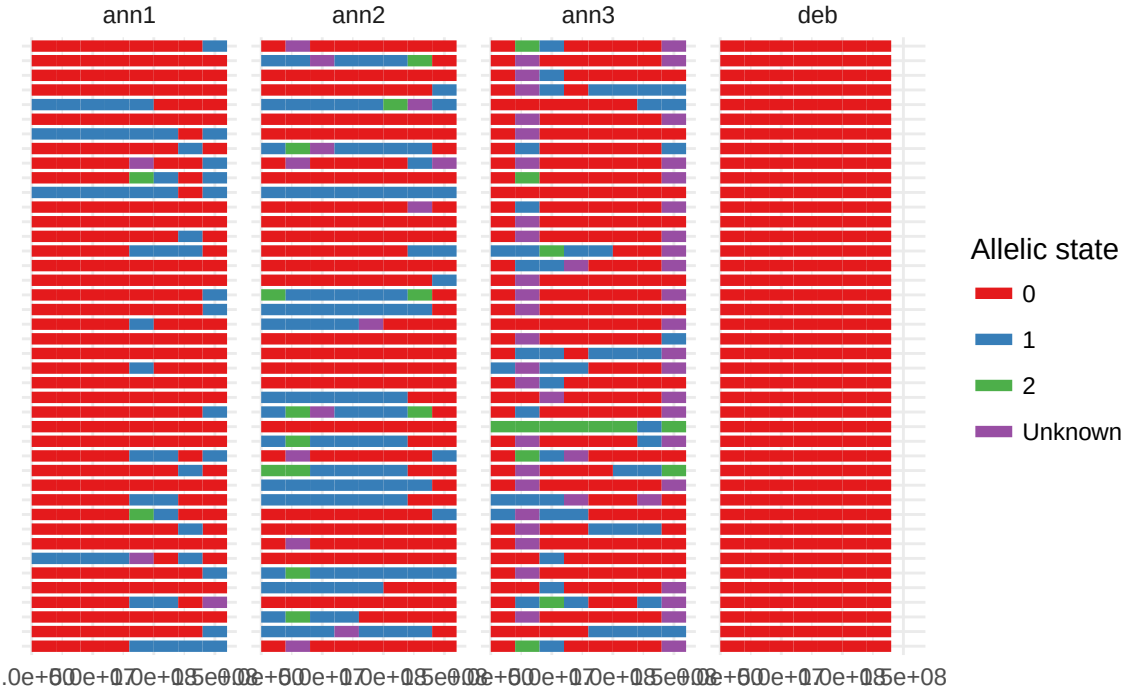
BFL 10 HanXRQChr15 10MB window



BFL 10 HanXRQChr16 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

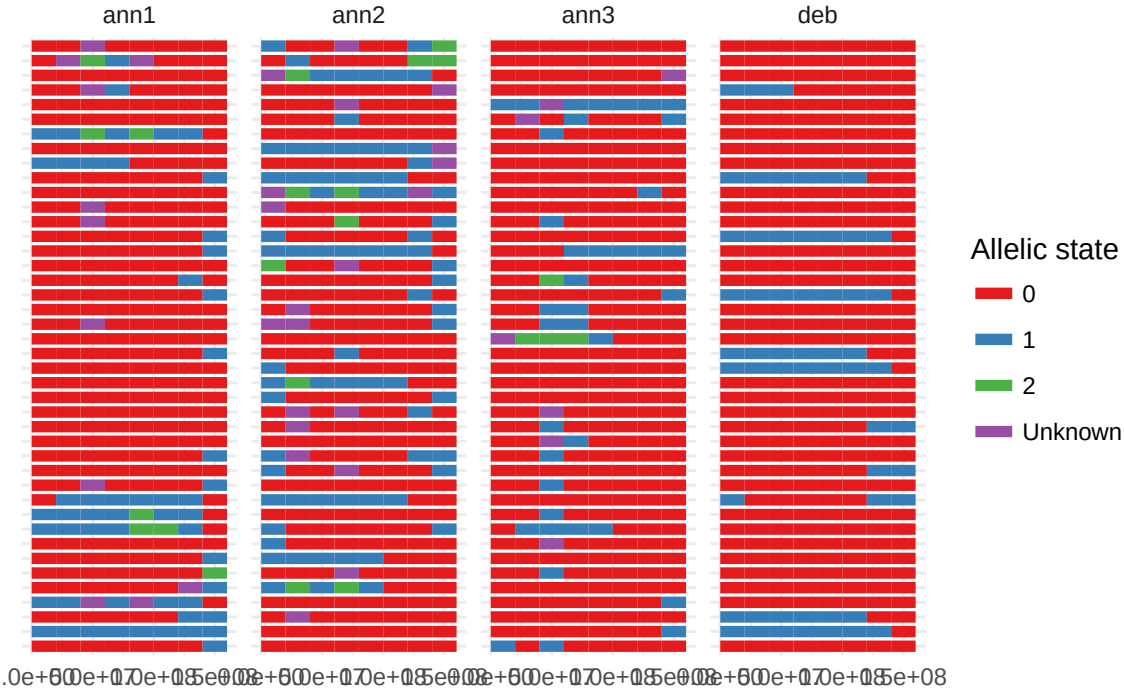
BFL 10 HanXRQChr17 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 11 HanXRQChr01 10MB window

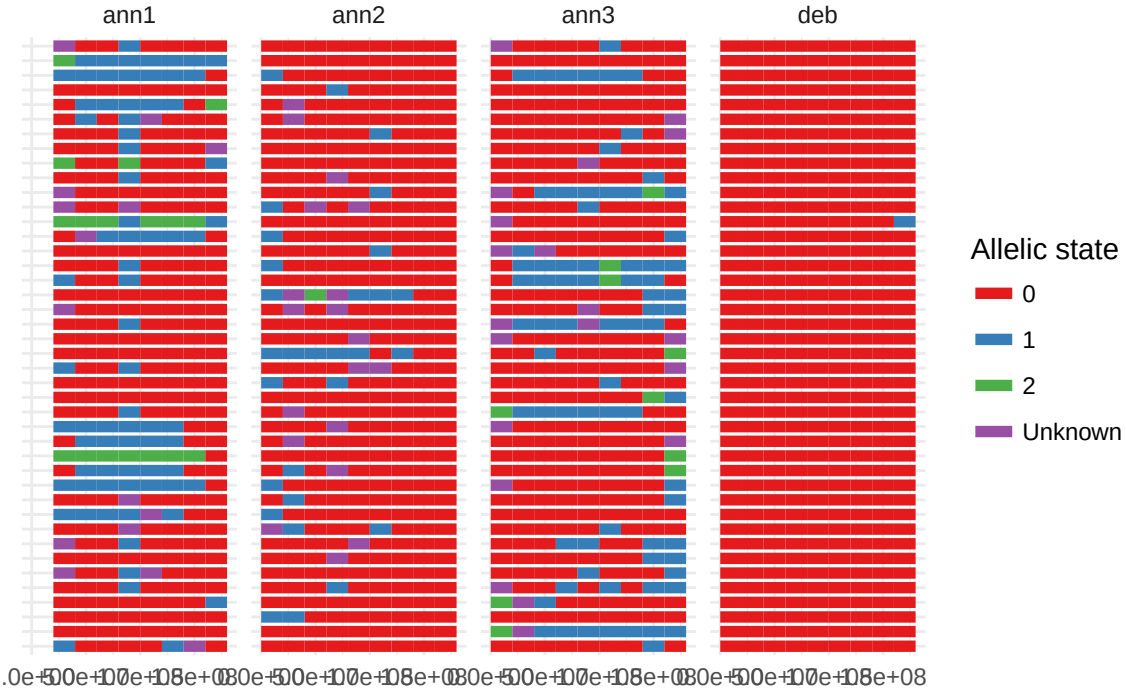


BFL 11 HanXRQChr02 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 11 HanXRQChr03 10MB window



BFL 11 HanXRQChr04 10MB window



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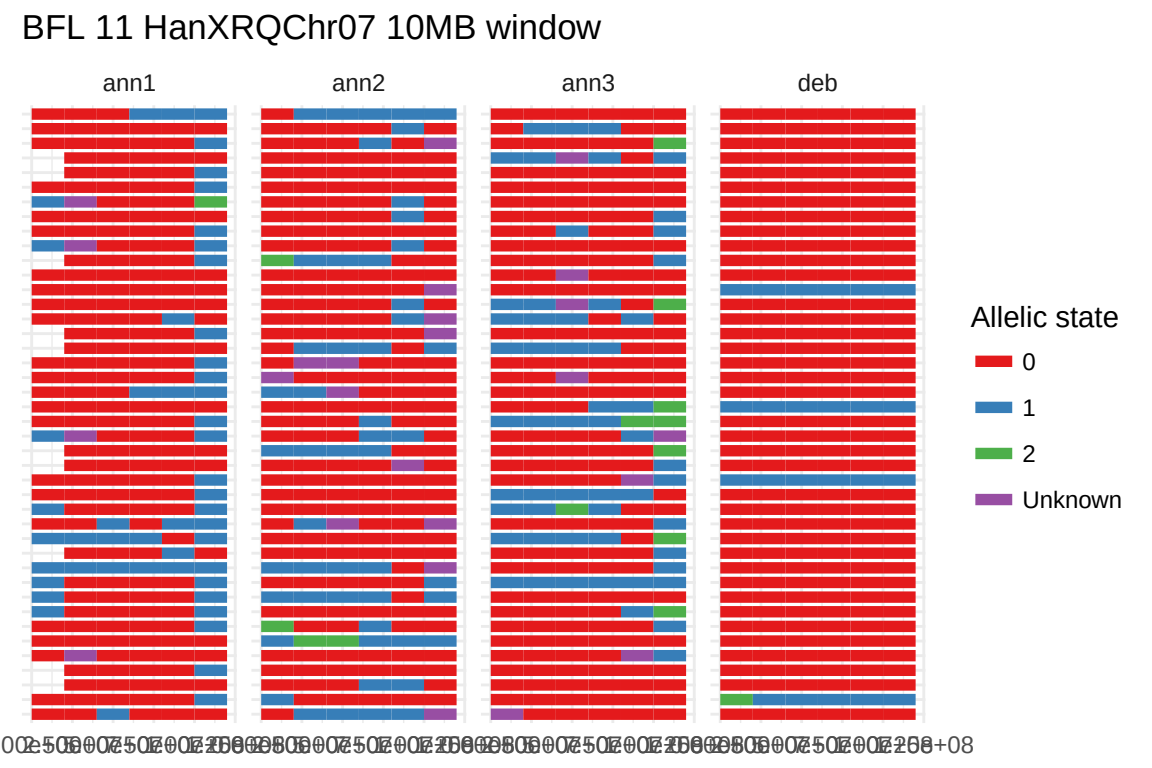
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 11 HanXRQChr06 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown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ann3
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1
2
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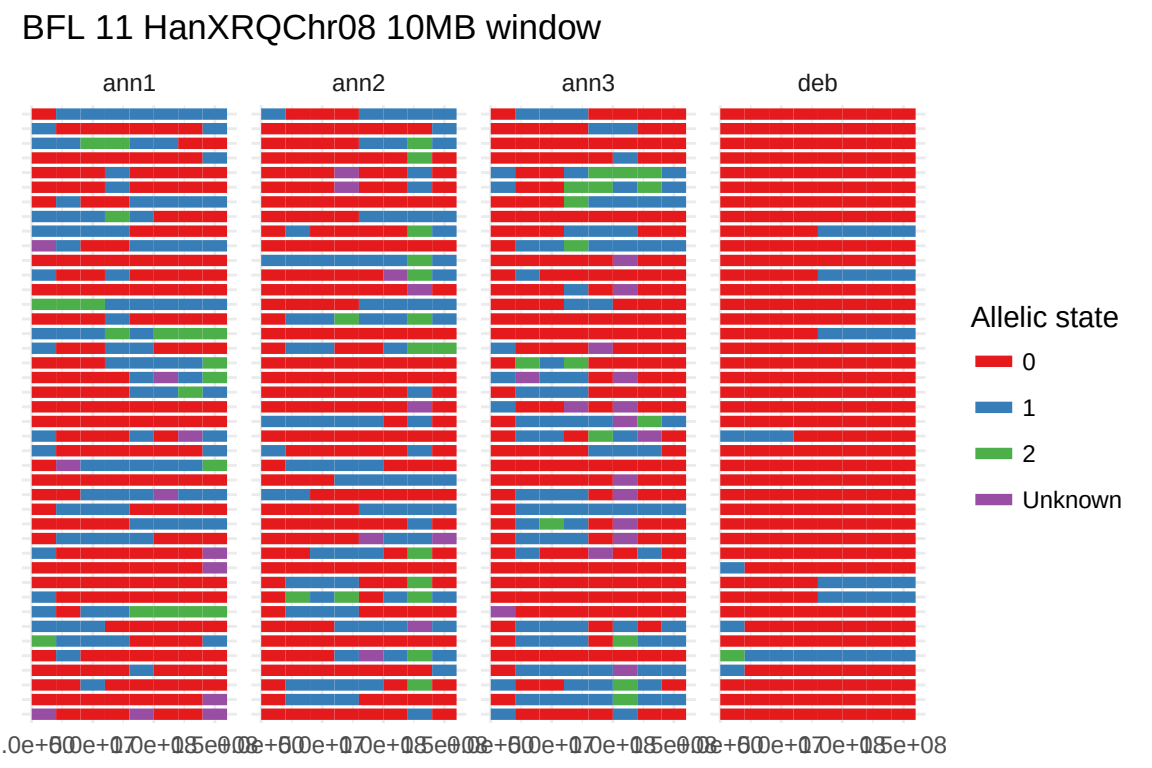
BFL 11 HanXRQChr08 10MB window
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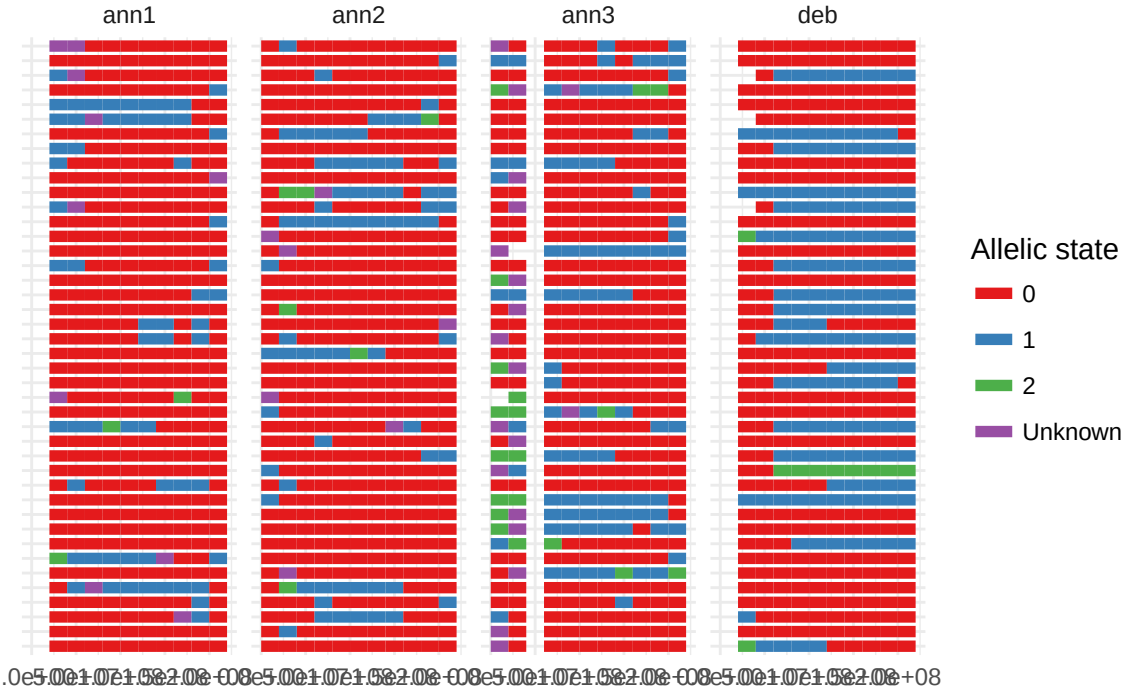
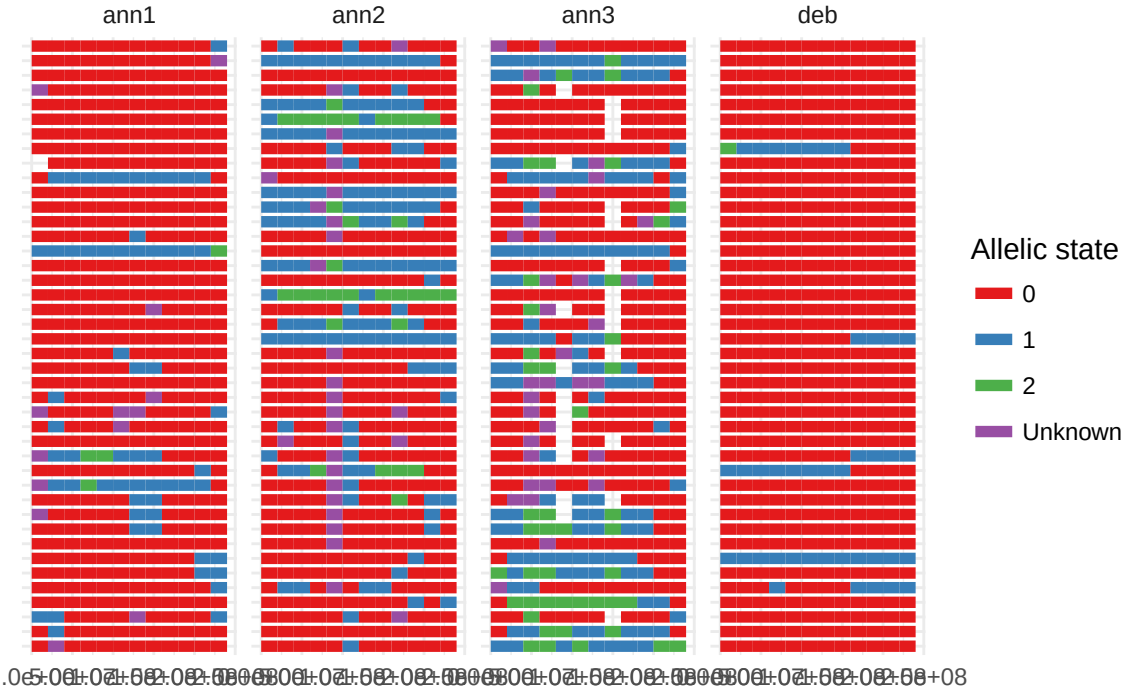
ann2
ann3
deb
Allelic state
0
1
2
Unknown

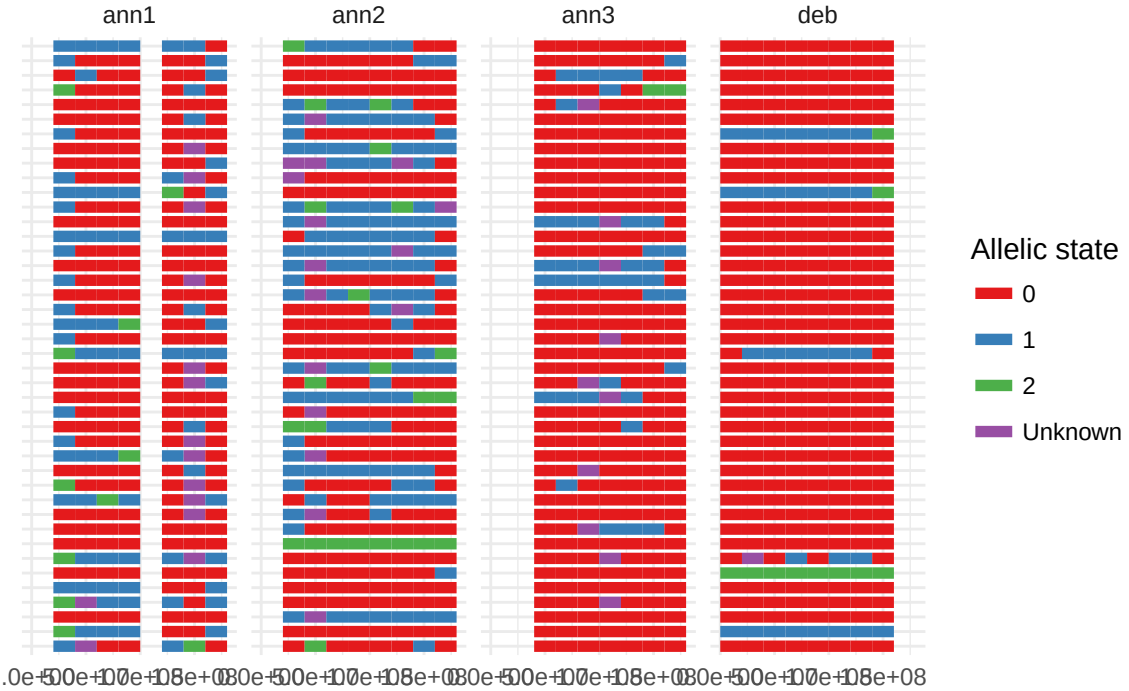
BFL 11 HanXRQChr09 10MB window



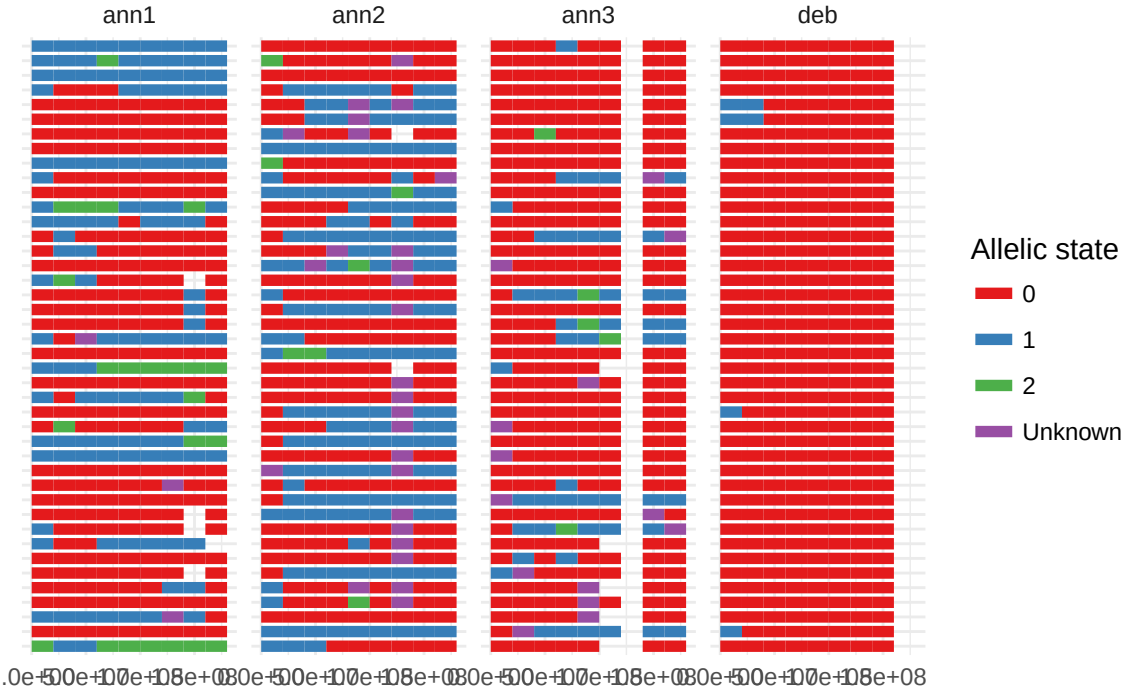
BFL 11 HanXRQChr10 10MB window



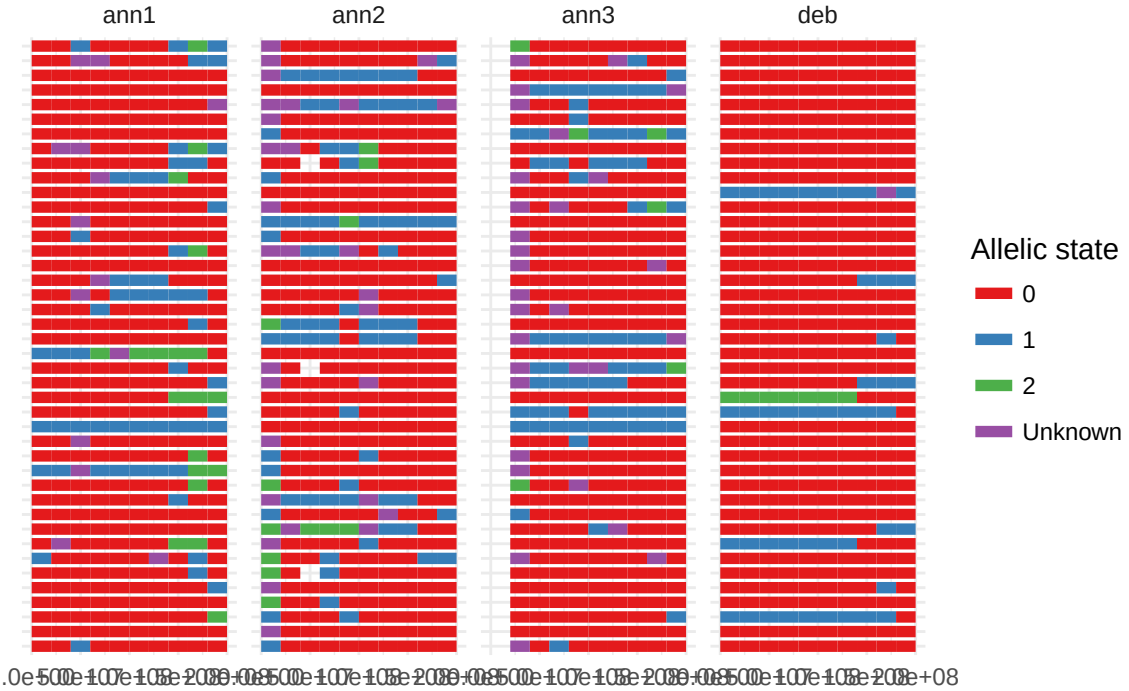
BFL 11 HanXRQChr11 10MB window



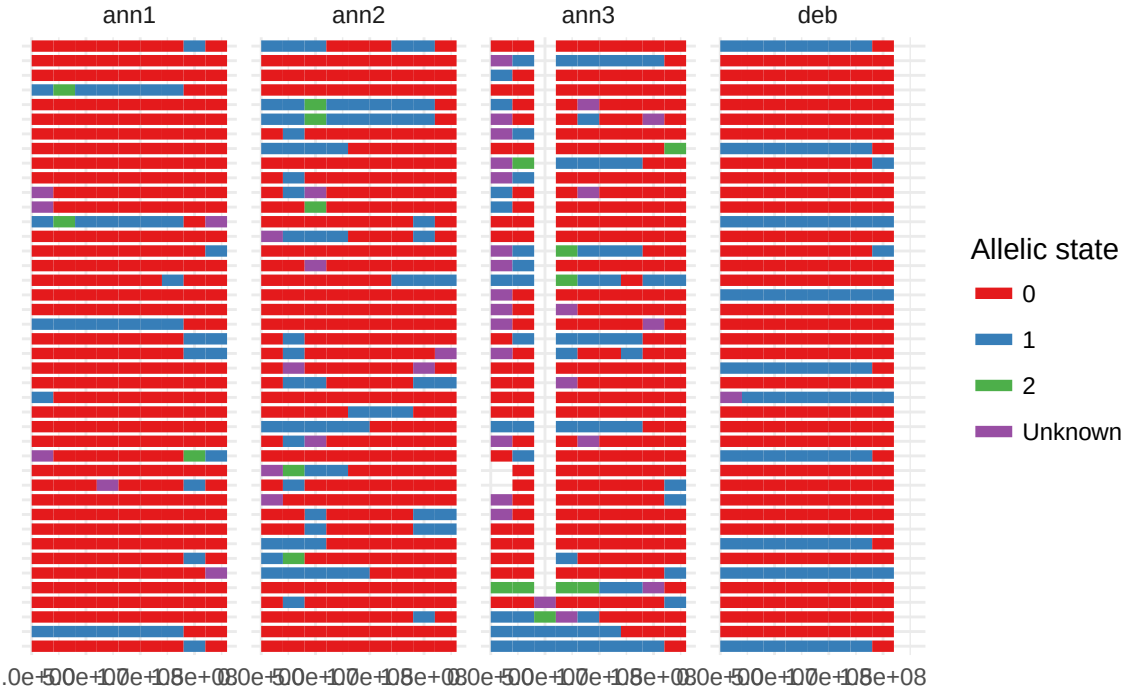
BFL 11 HanXRQChr12 10MB window



BFL 11 HanXRQChr13 10MB window



BFL 11 HanXRQChr14 10MB window



BFL 11 HanXRQChr15 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown
.0e+00
5.0e+07
1.0e+08
0.0e+00
5.0e+07
1.0e+08
0.0e+00
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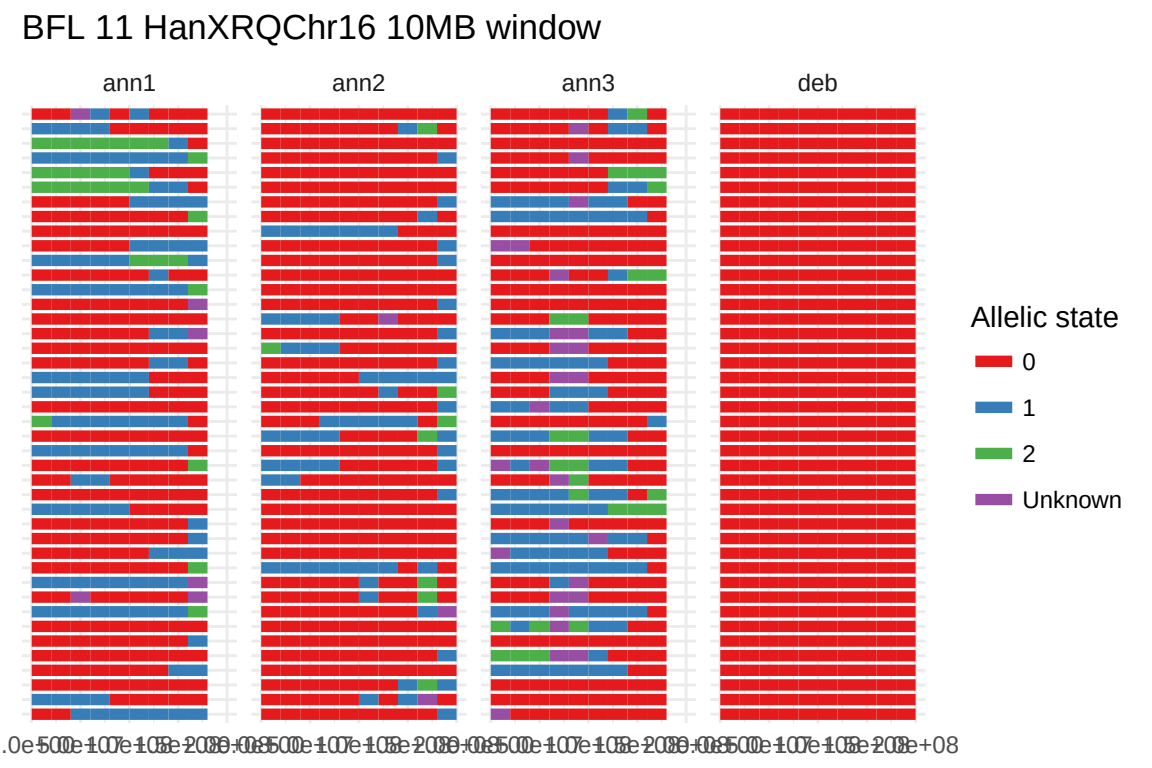
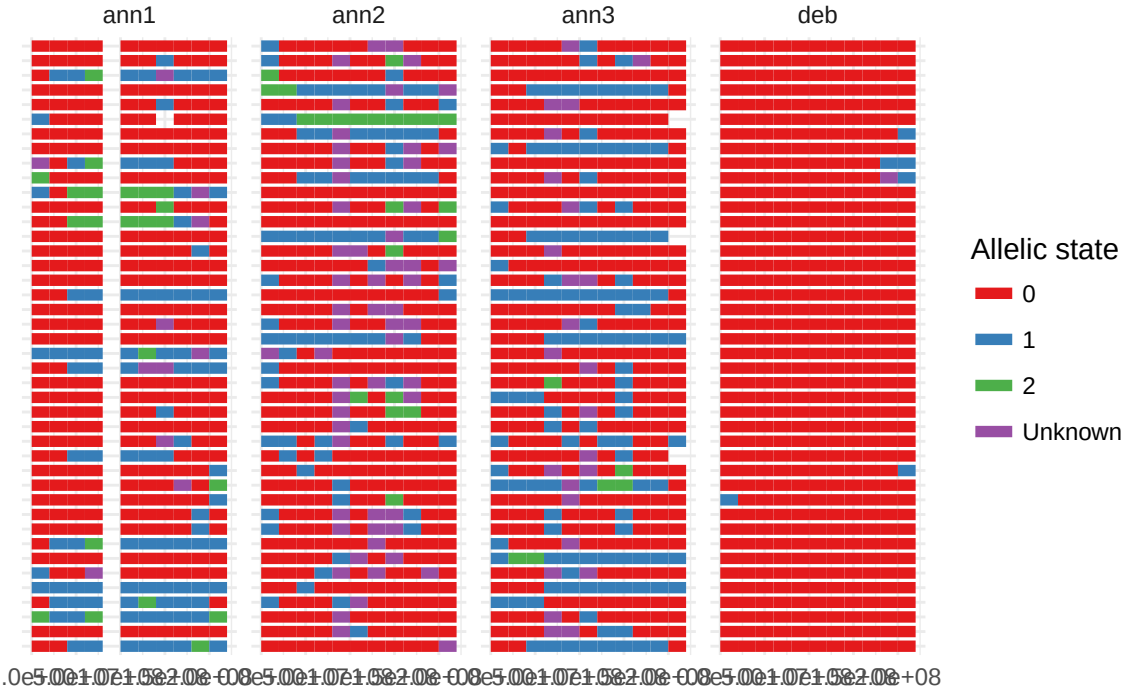
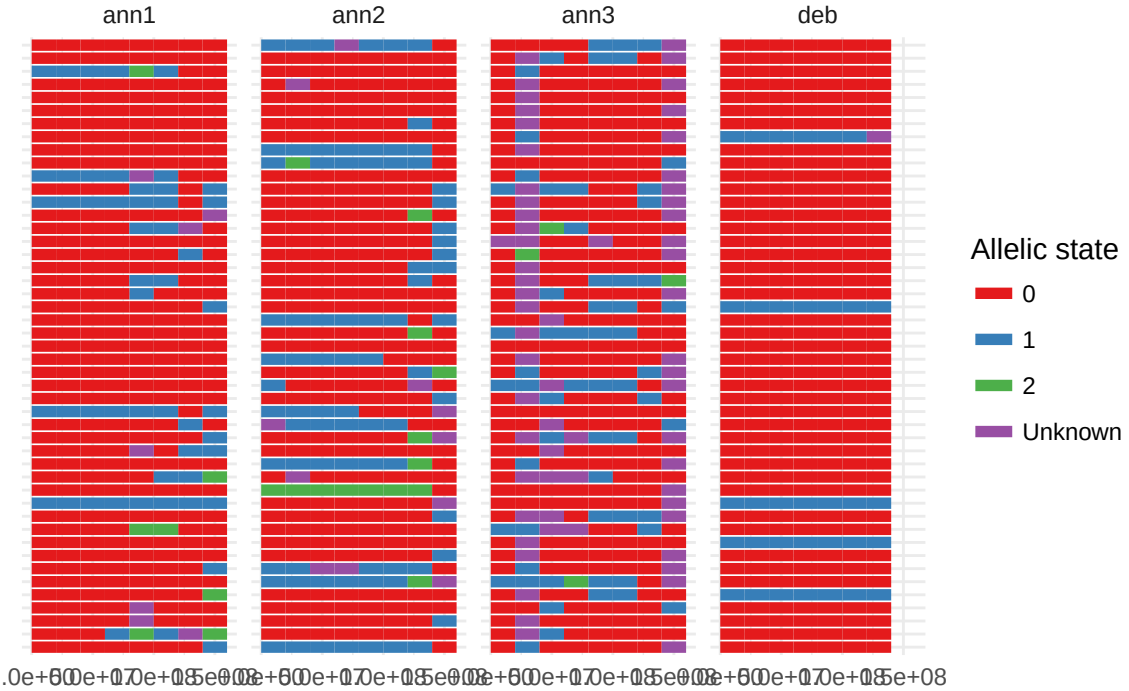
1.0e+08
0.0e+00
5.0e+07
1.0e+08


BFL 11 HanXRQChr16 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 11 HanXRQChr17 10MB window

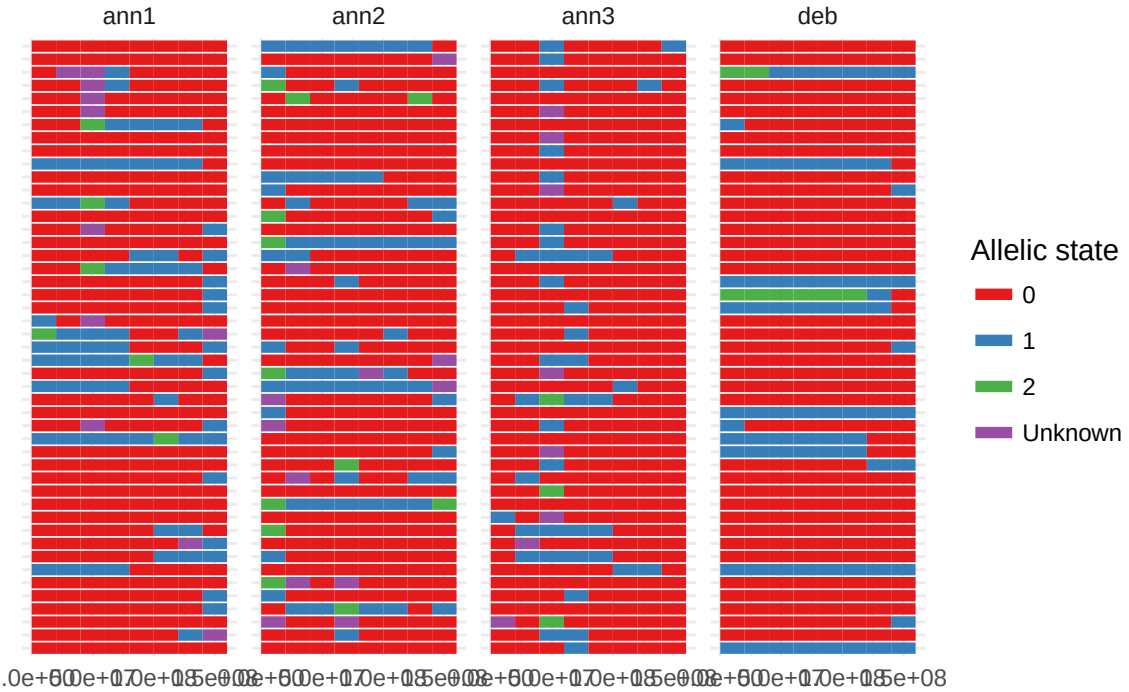


BFL 12 HanXRQChr01 10MB window



BFL 12 HanXRQChr02 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 12 HanXRQChr03 10MB window



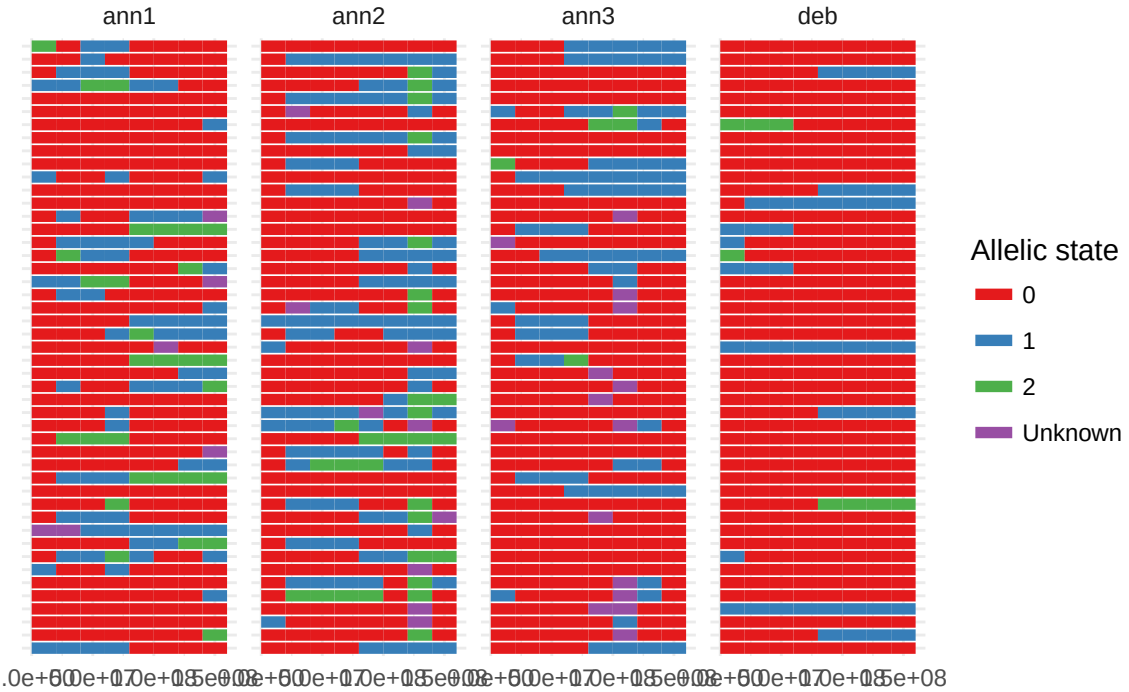
BFL 12 HanXRQChr04 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 12 HanXRQChr05 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

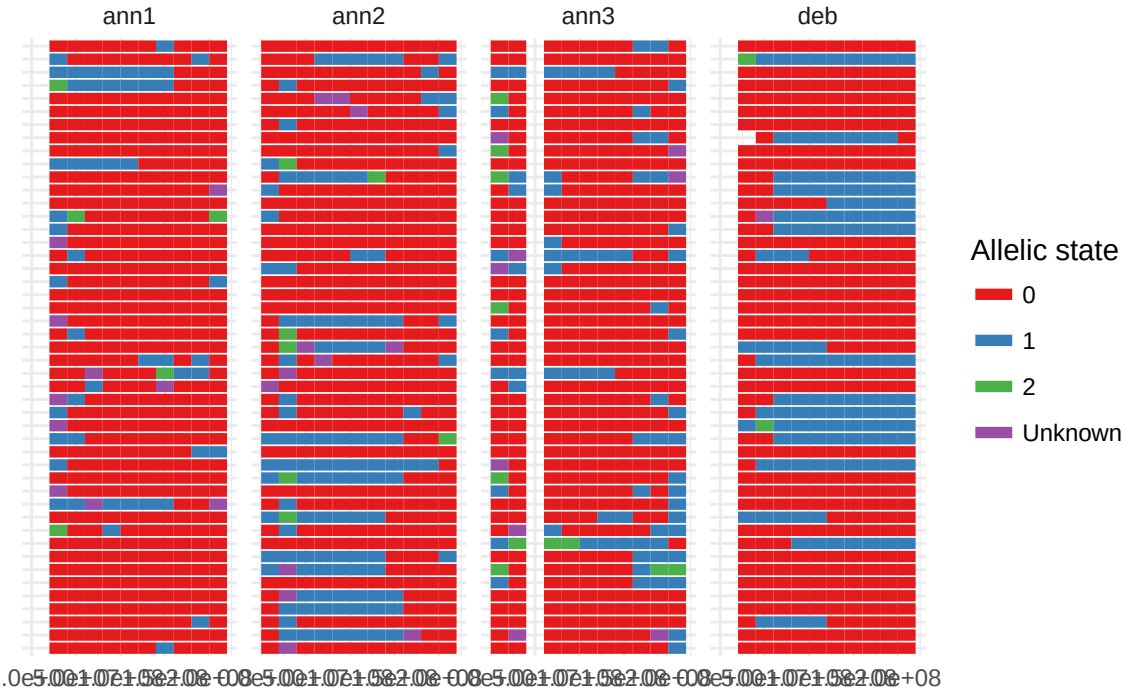
BFL 12 HanXRQChr06 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 12 HanXRQChr07 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

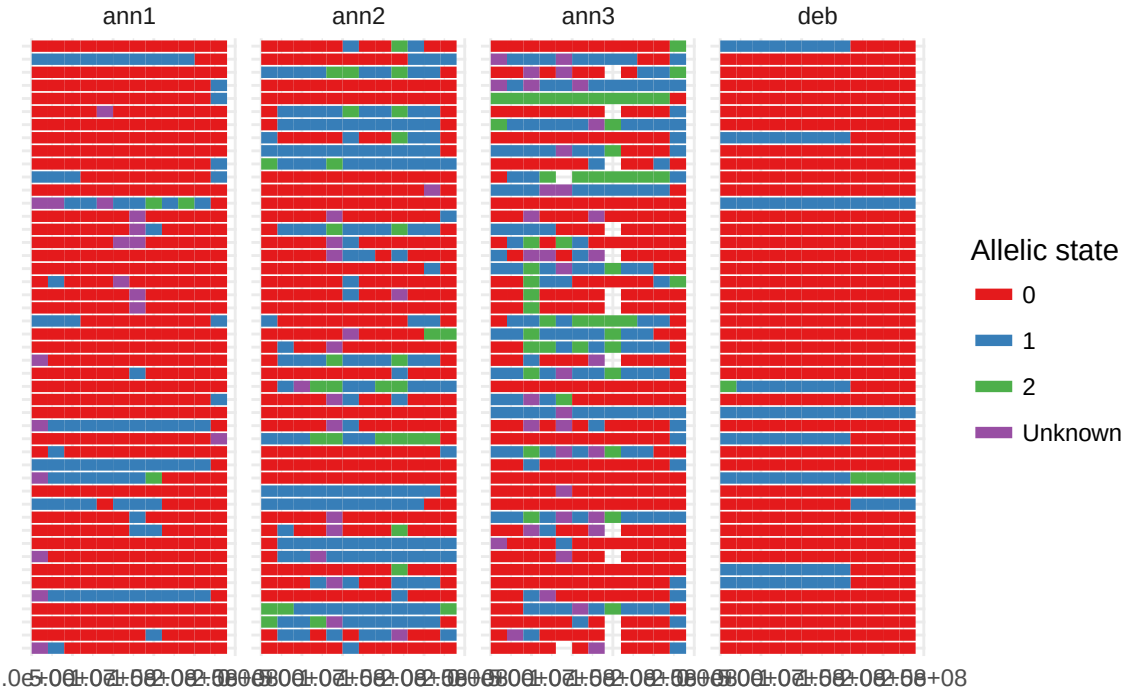
BFL 12 HanXRQChr08 10MB window



BFL 12 HanXRQChr09 10MB window

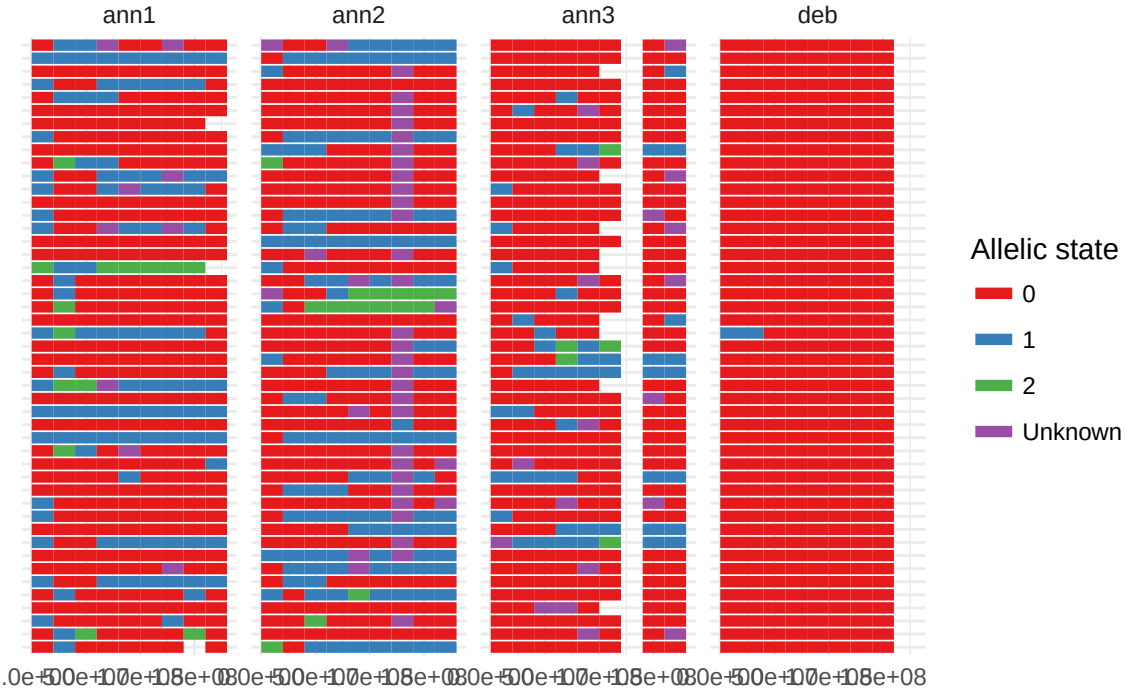


BFL 12 HanXRQChr10 10MB window



BFL 12 HanXRQChr11 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 12 HanXRQChr12 10MB window



BFL 12 HanXRQChr13 10MB window
ann1
ann2
ann3
deb
Allelic state
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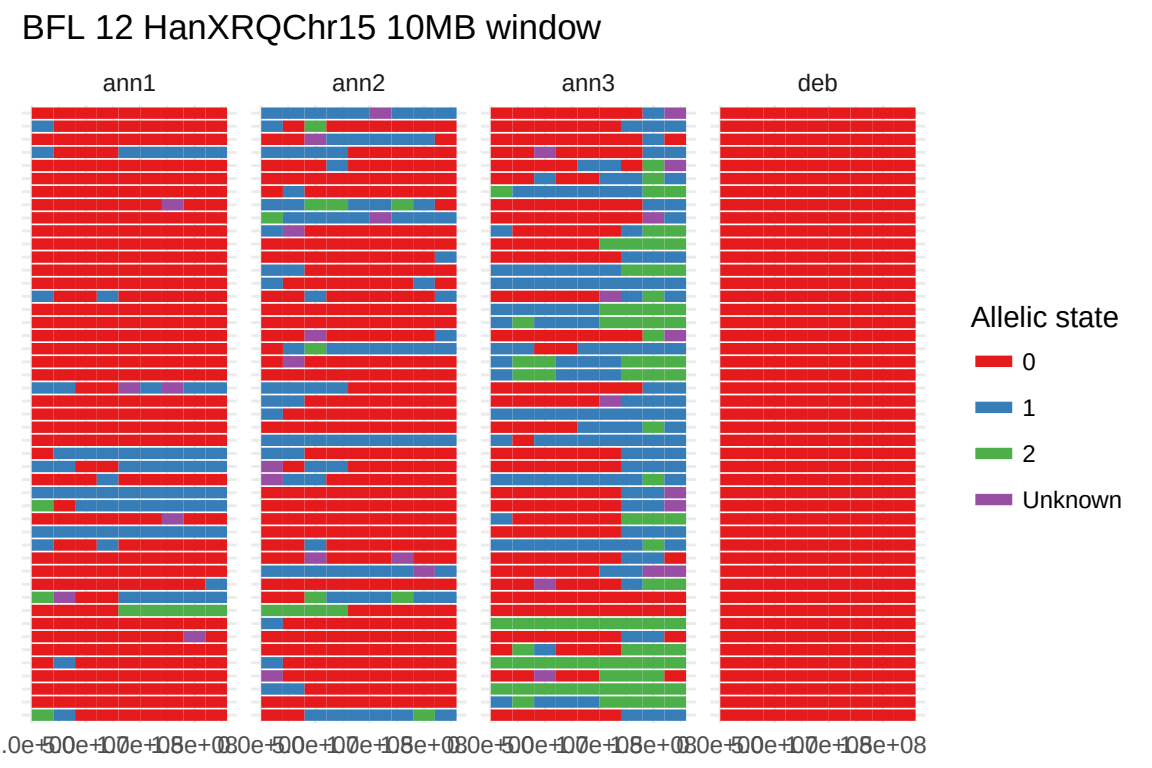
1
2
Unknown

BFL 12 HanXRQChr14 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown


BFL 12 HanXRQChr15 10MB window
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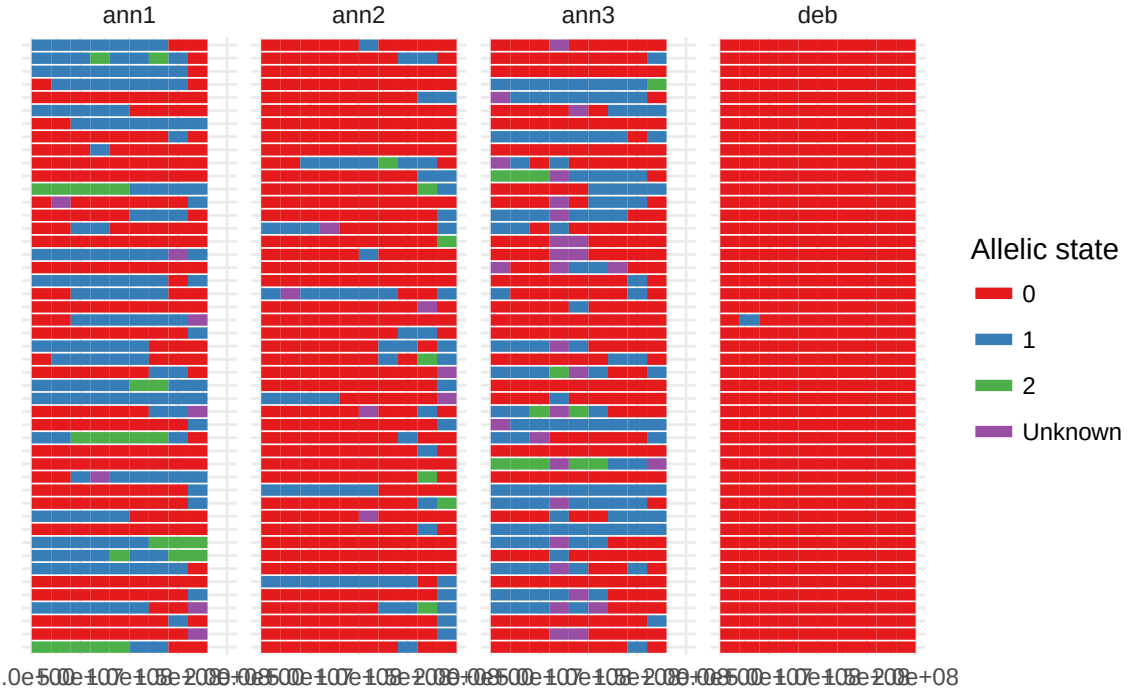
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 12 HanXRQChr16 10MB window



BFL 12 HanXRQChr17 10MB window
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ann2
ann3
deb
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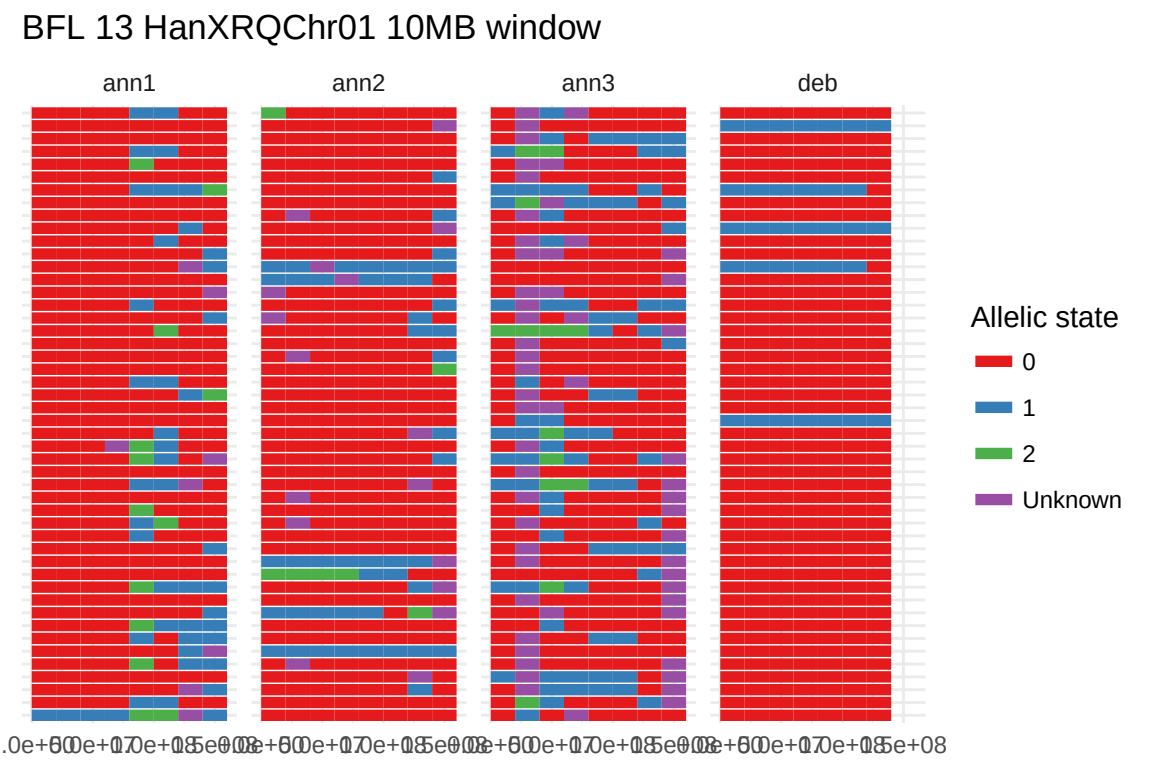
1
2
Unknown


BFL 13 HanXRQChr01 10MB window
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ann3
deb
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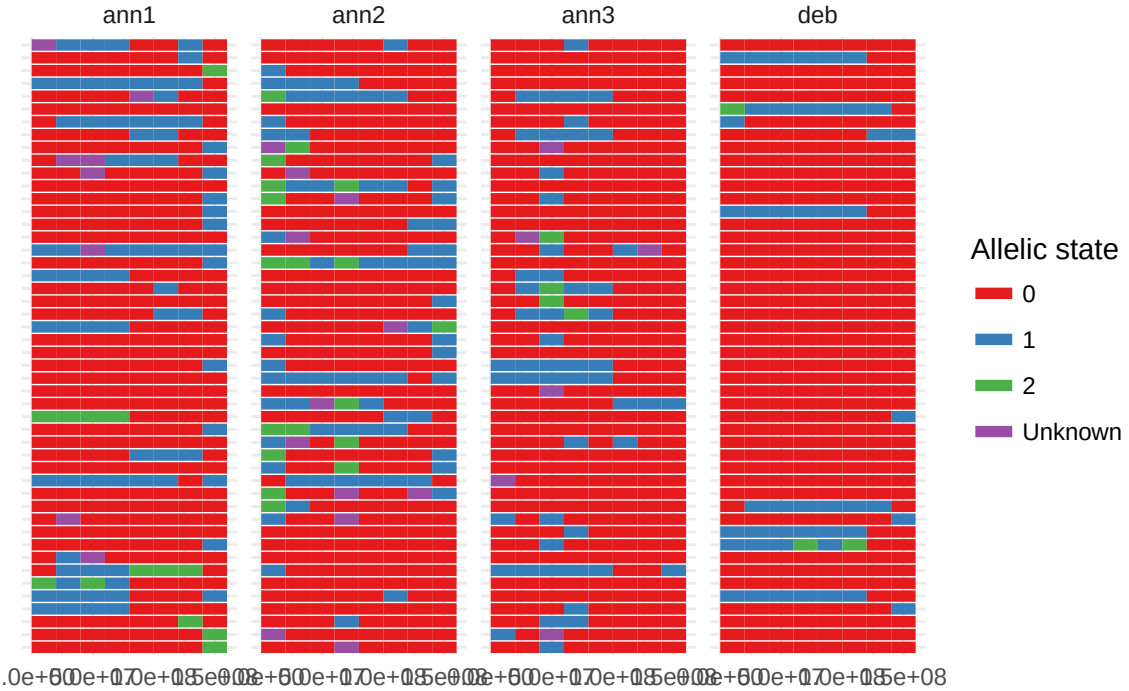
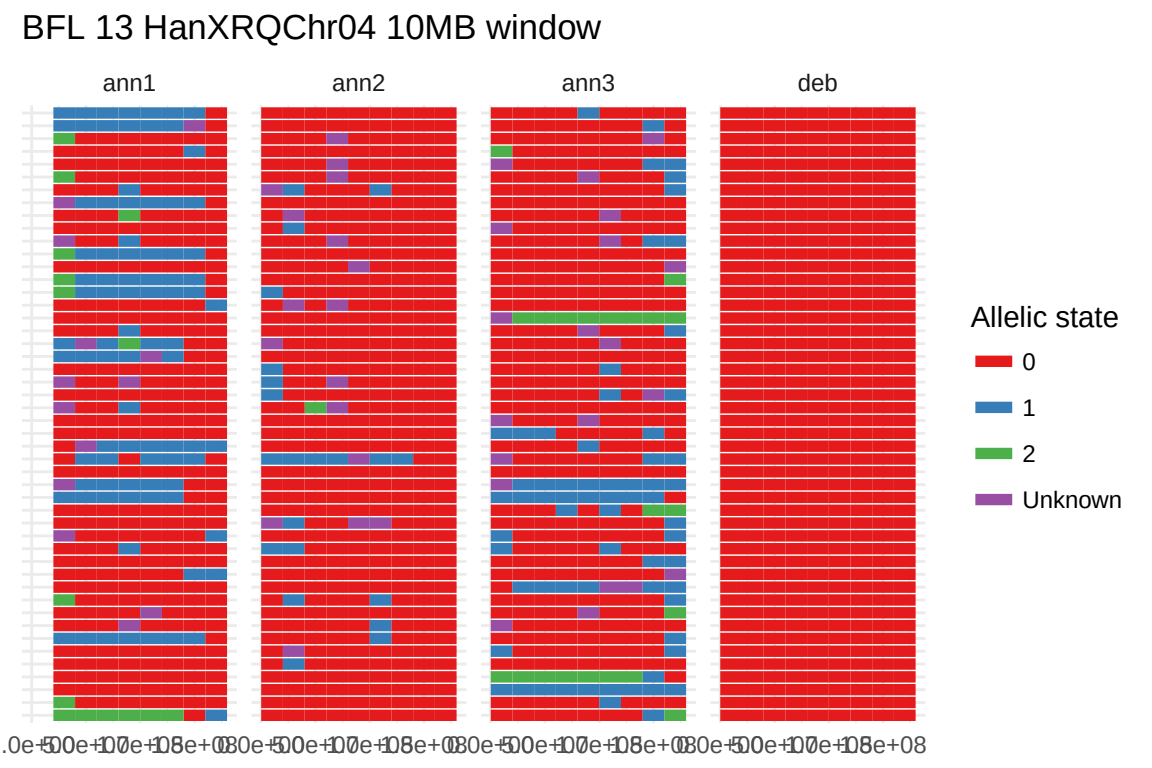
0
1
2
Unknown

BFL 13 HanXRQChr02 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown
.0e+5
0.0e+5
0.0e+5
0

BFL 13 HanXRQChr03 10MB window




BFL 13 HanXRQChr04 10MB window
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ann2
ann3
deb
Allelic state
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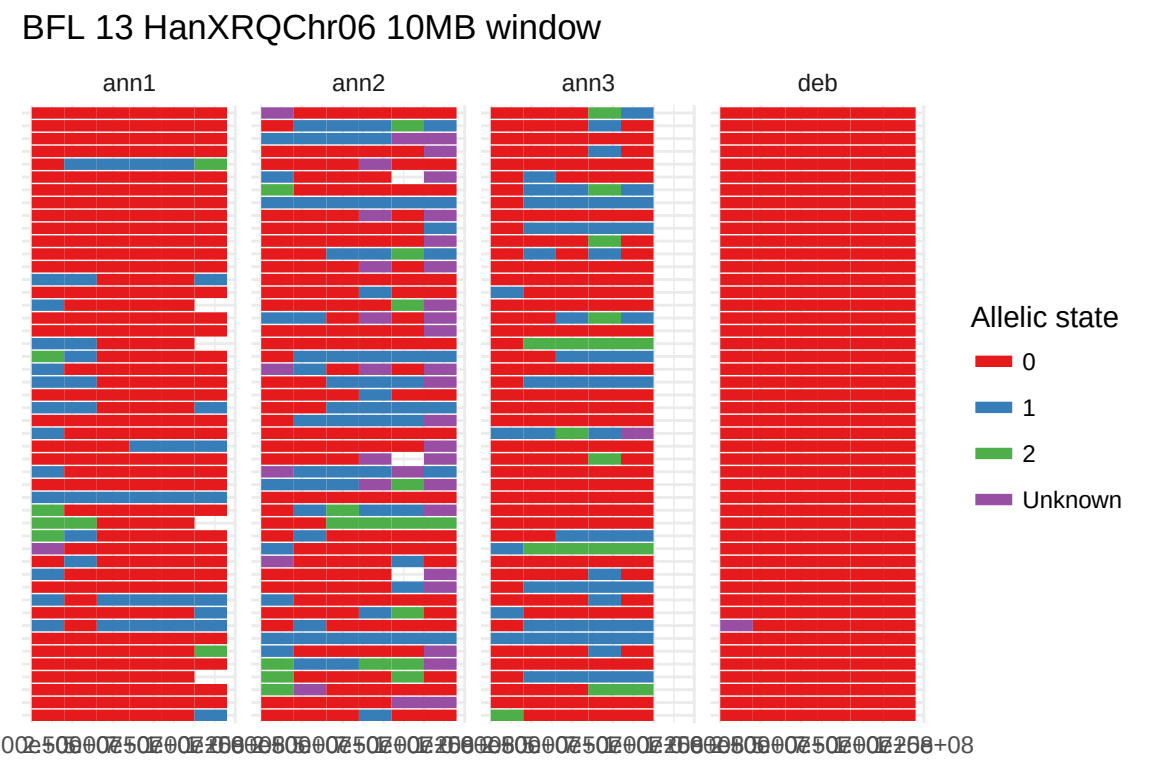
1
2
Unknown

BFL 13 HanXRQChr05 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown


BFL 13 HanXRQChr06 10MB window
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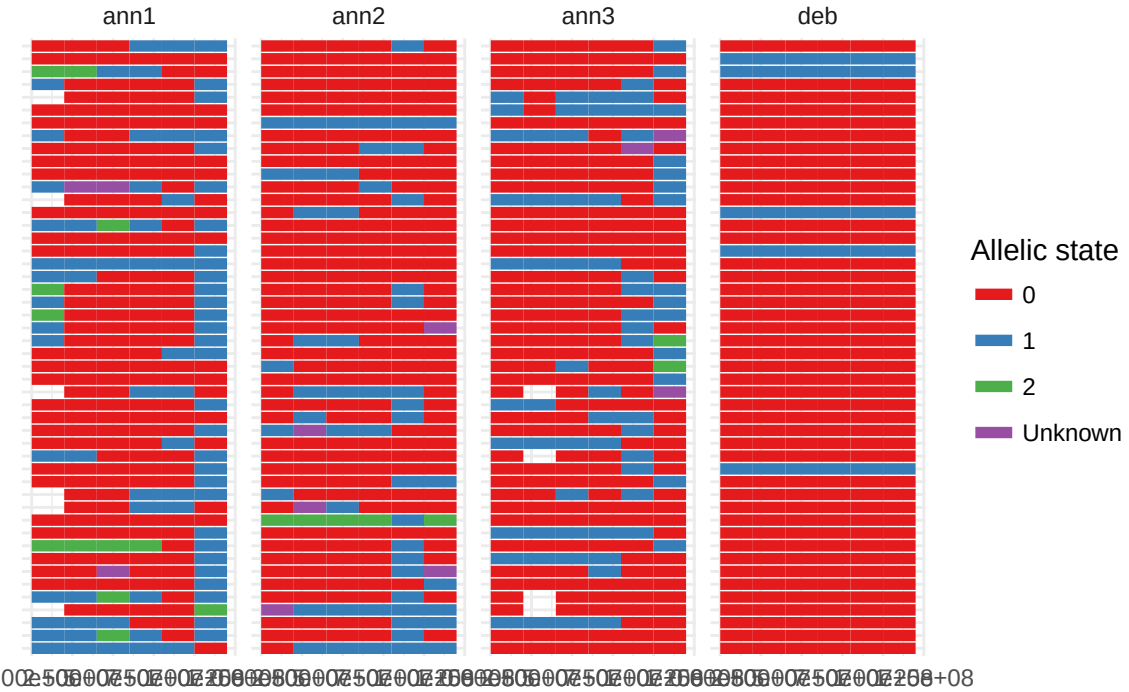
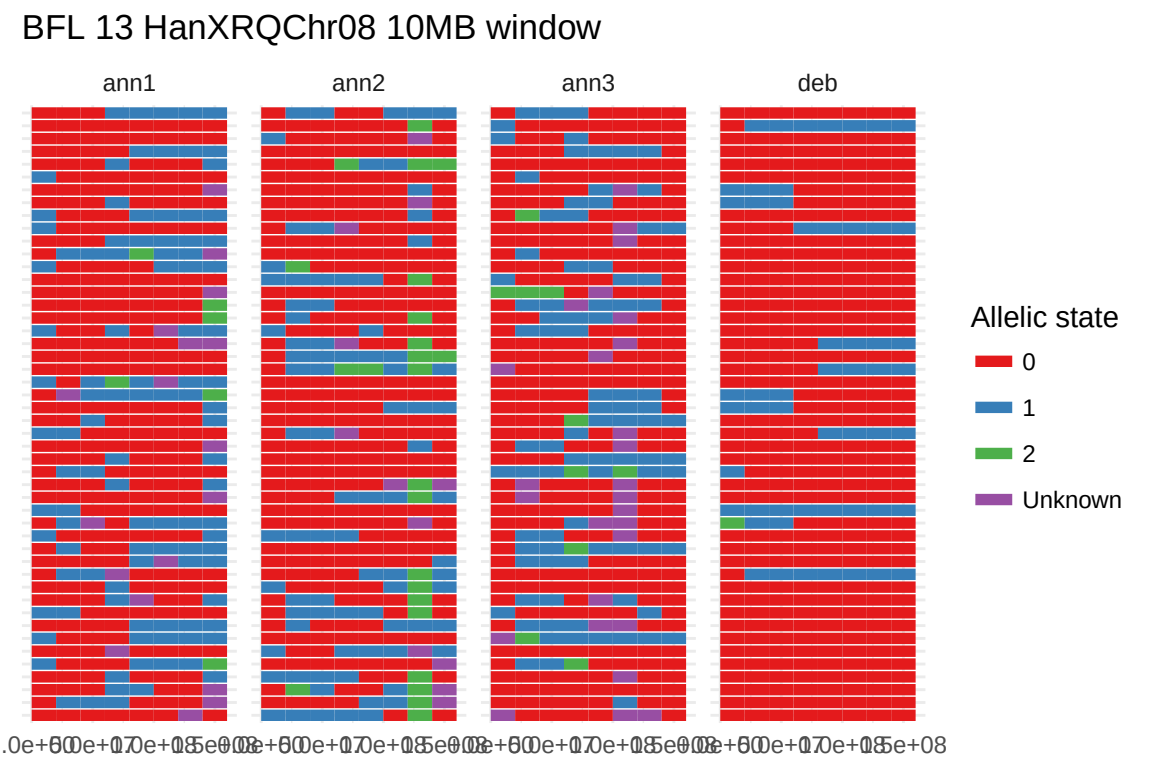
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 13 HanXRQChr07 10MB window




BFL 13 HanXRQChr08 10MB window
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ann2
ann3
deb
Allelic state
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1
2
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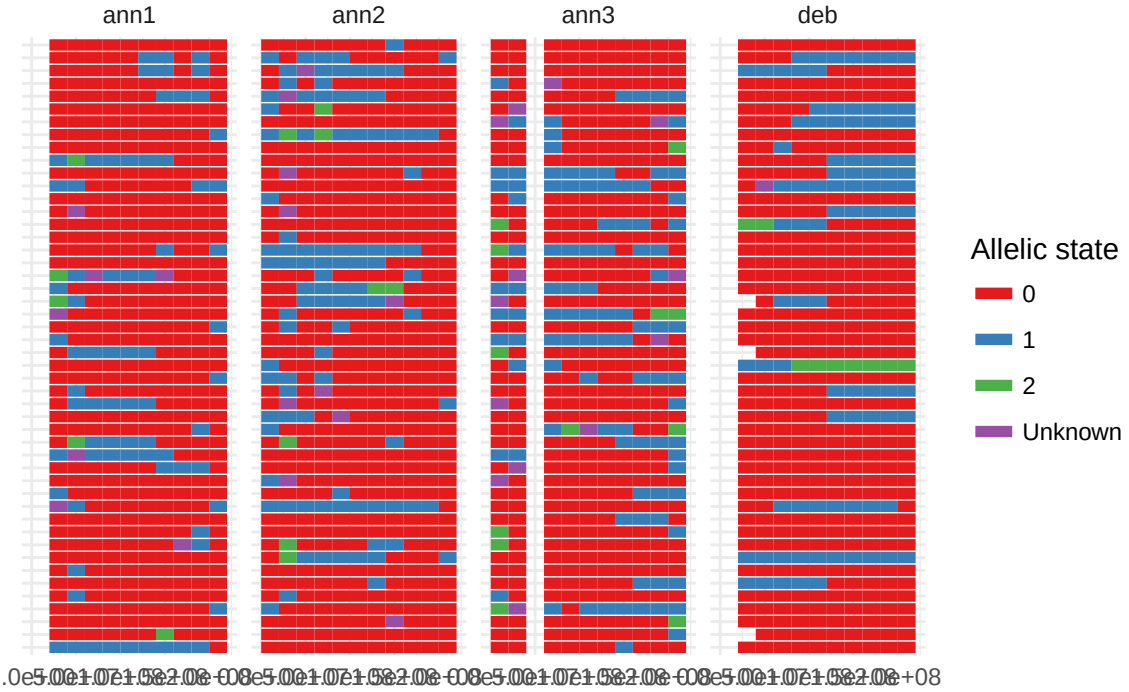
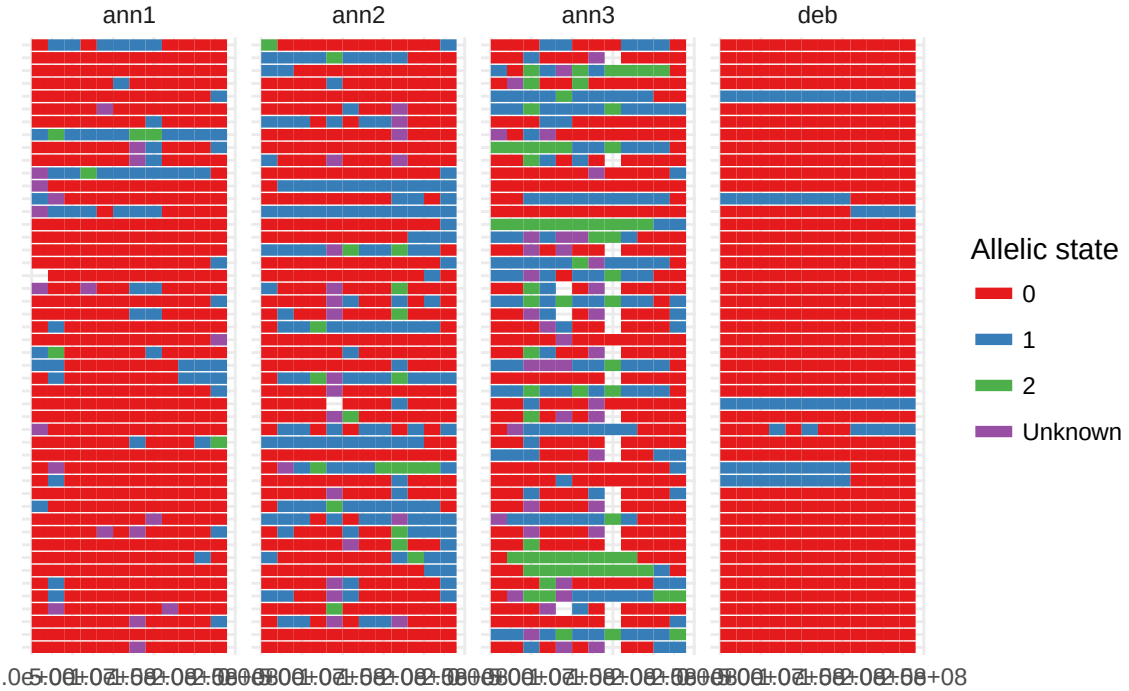
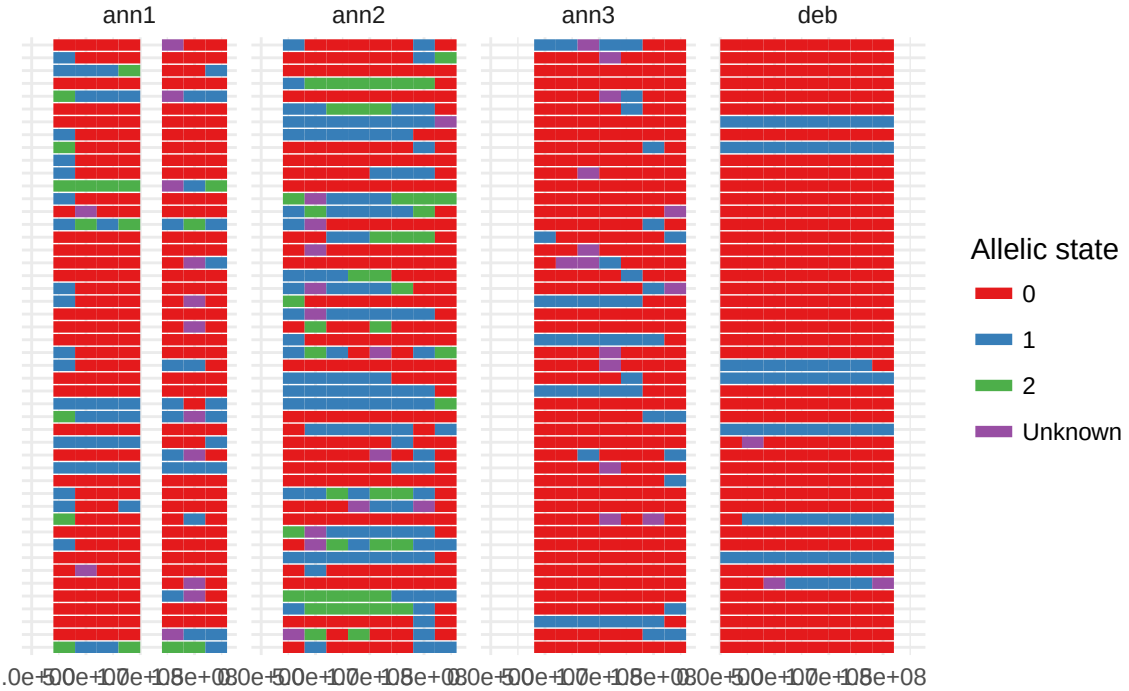
BFL 13 HanXRQChr09 10MB window



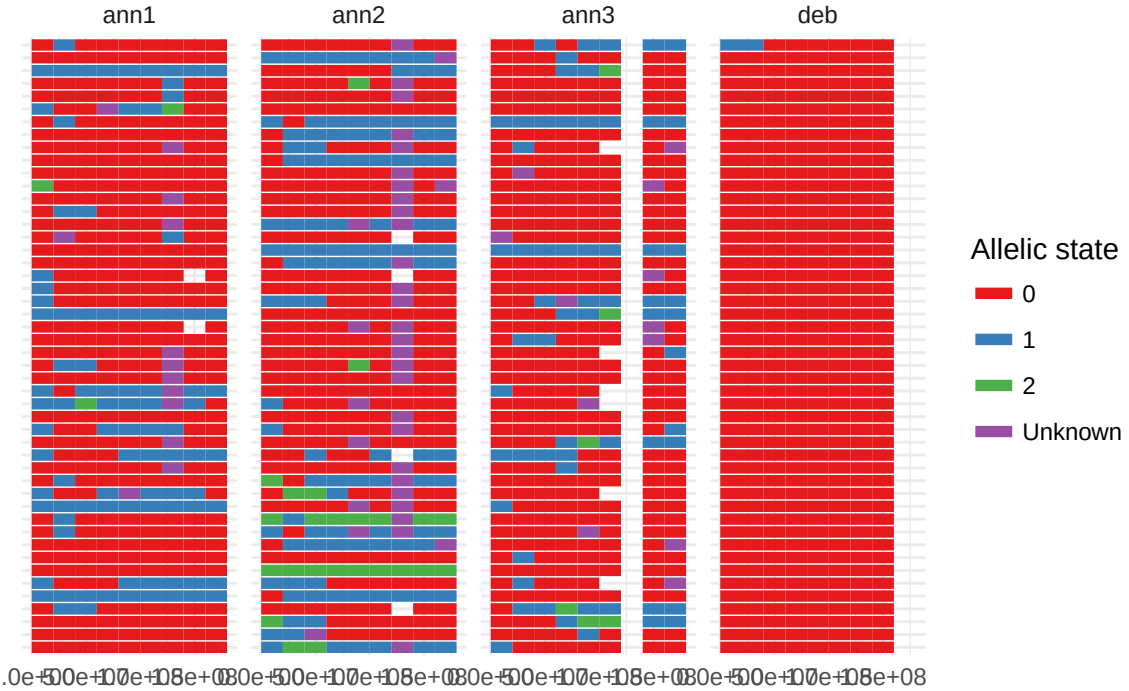
BFL 13 HanXRQChr10 10MB window



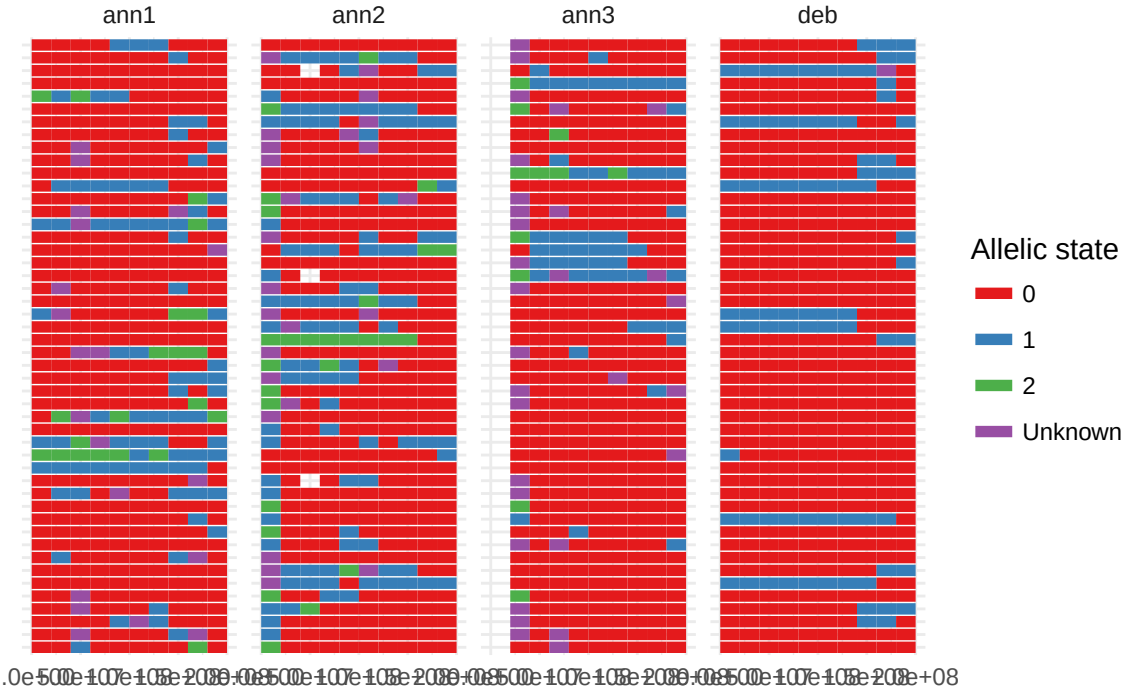
BFL 13 HanXRQChr11 10MB window



BFL 13 HanXRQChr12 10MB window



BFL 13 HanXRQChr13 10MB window



BFL 13 HanXRQChr14 10MB window
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ann3
deb
Allelic state
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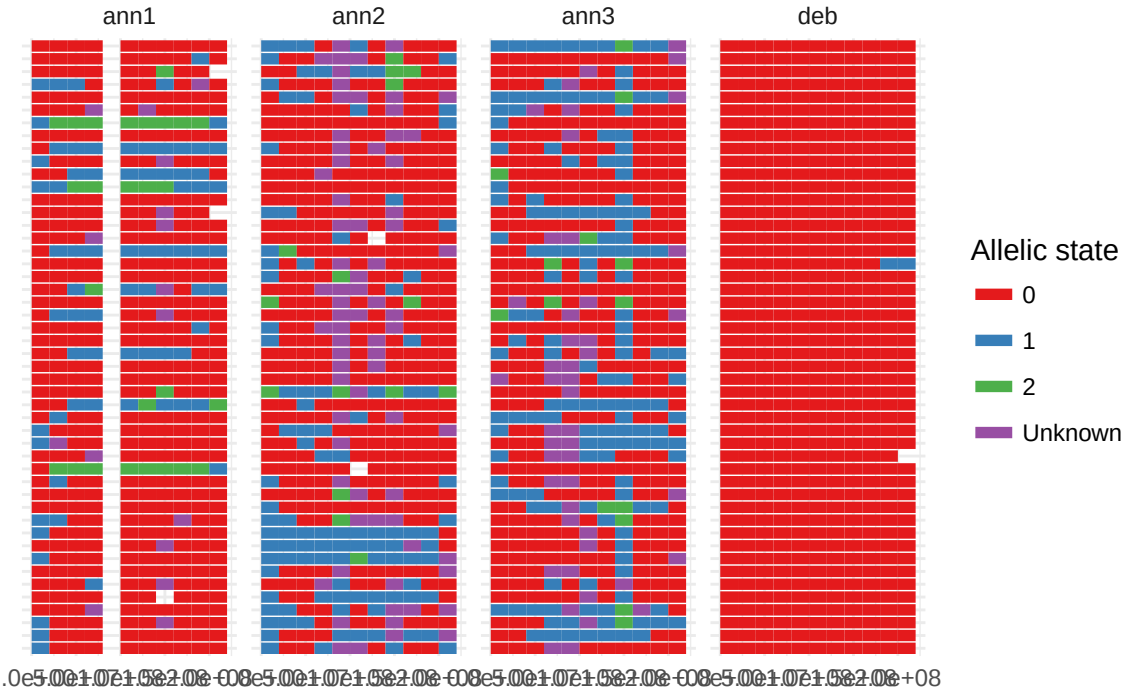
1
2
Unknown

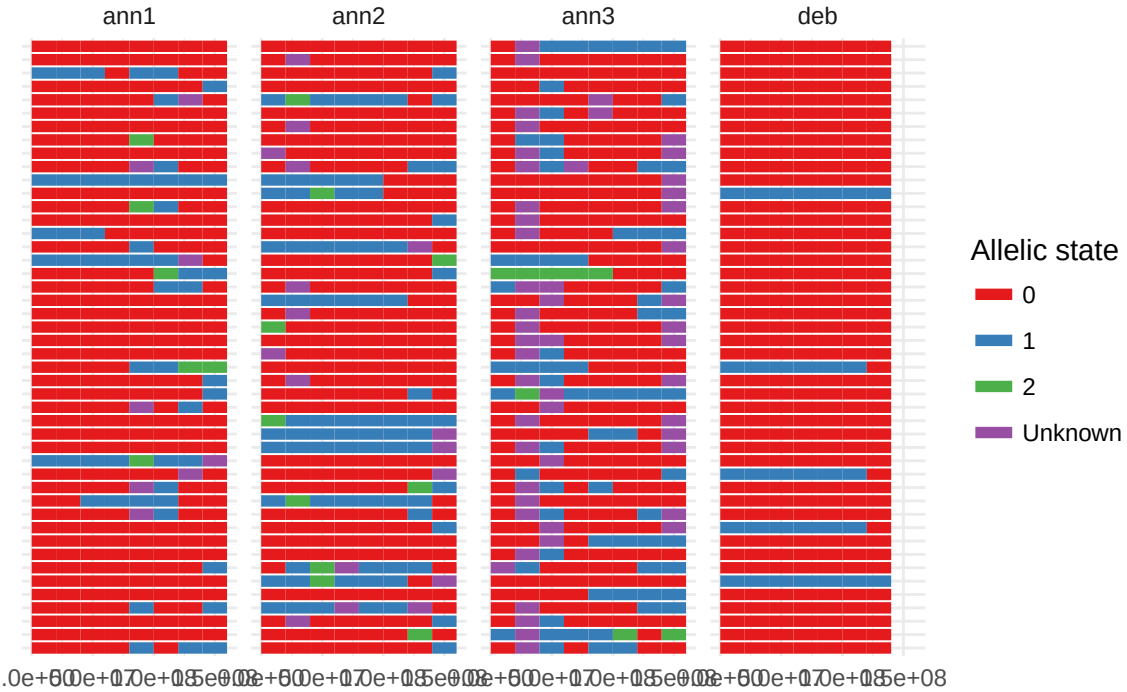
BFL 13 HanXRQChr15 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

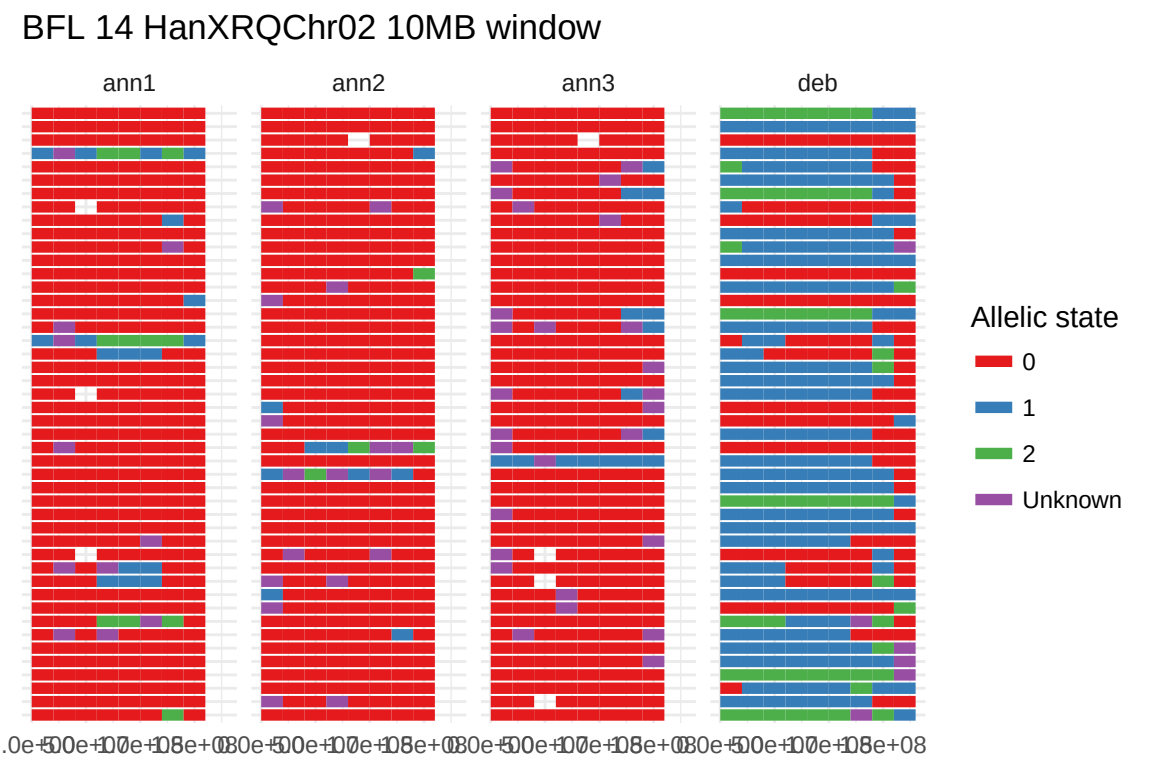
BFL 13 HanXRQChr16 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 13 HanXRQChr17 10MB window



BFL 14 HanXRQChr01 10MB window

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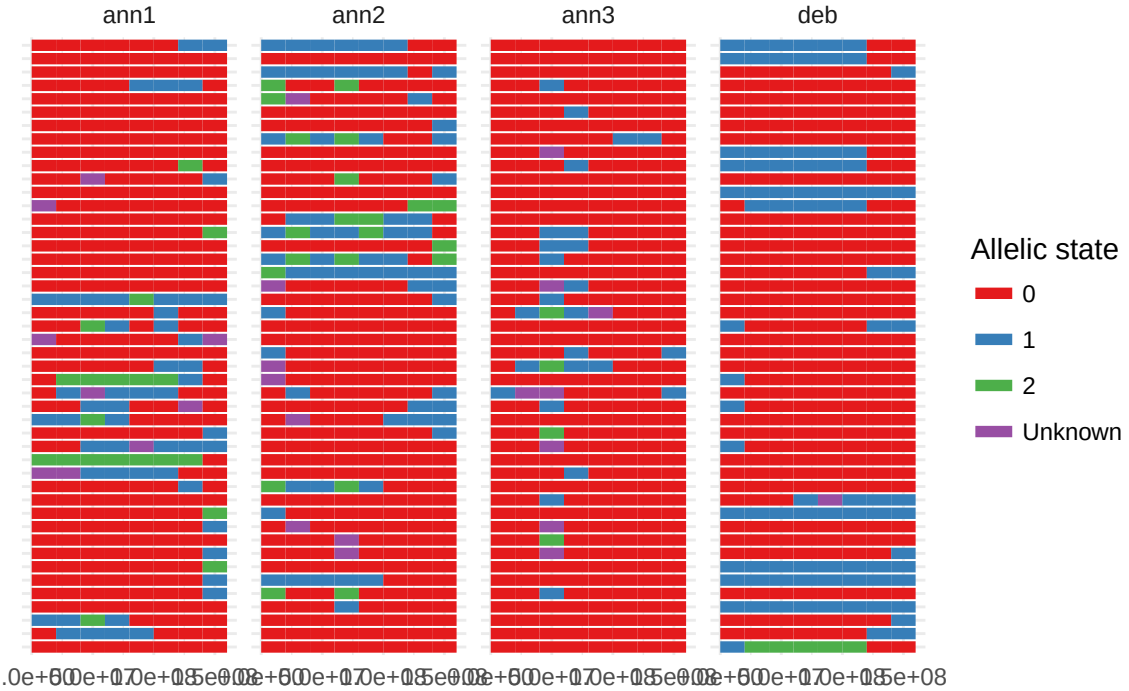
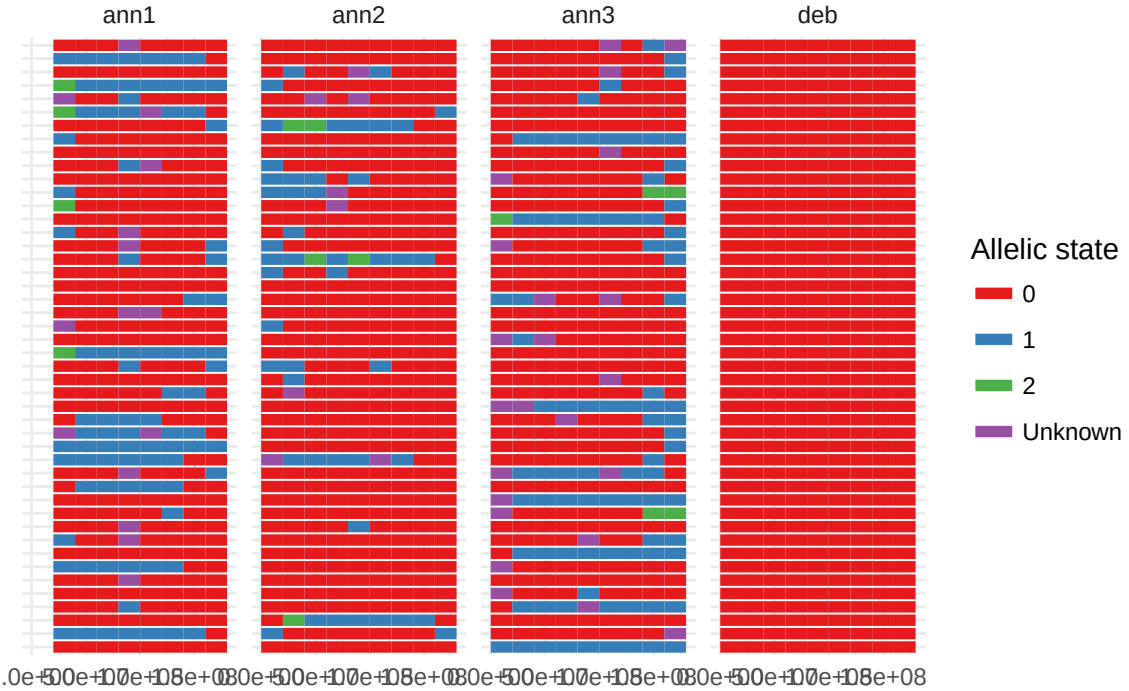
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 14 HanXRQChr03 10MB window



BFL 14 HanXRQChr04 10MB window



BFL 14 HanXRQChr05 10MB window
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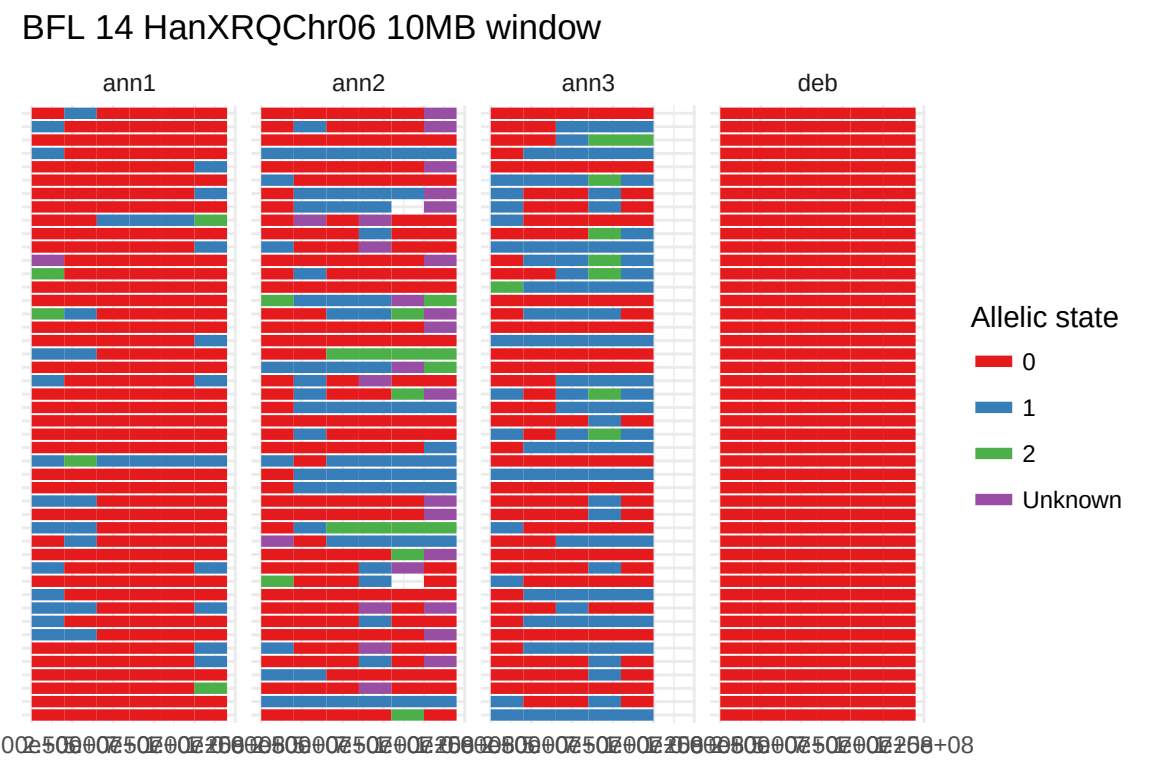
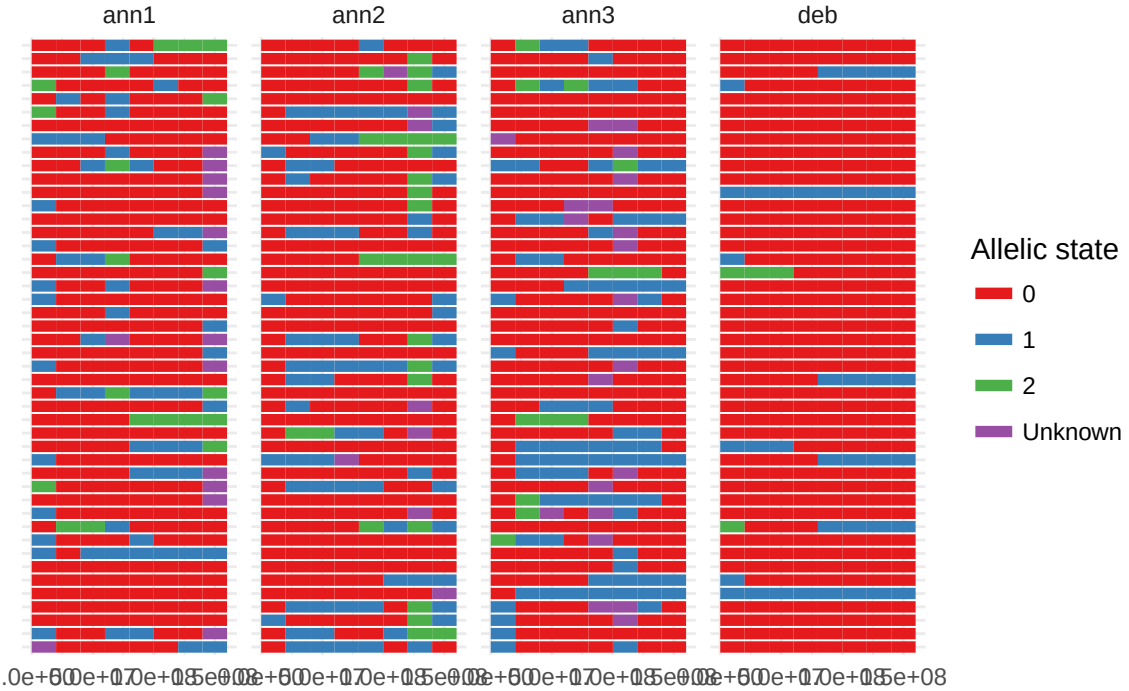
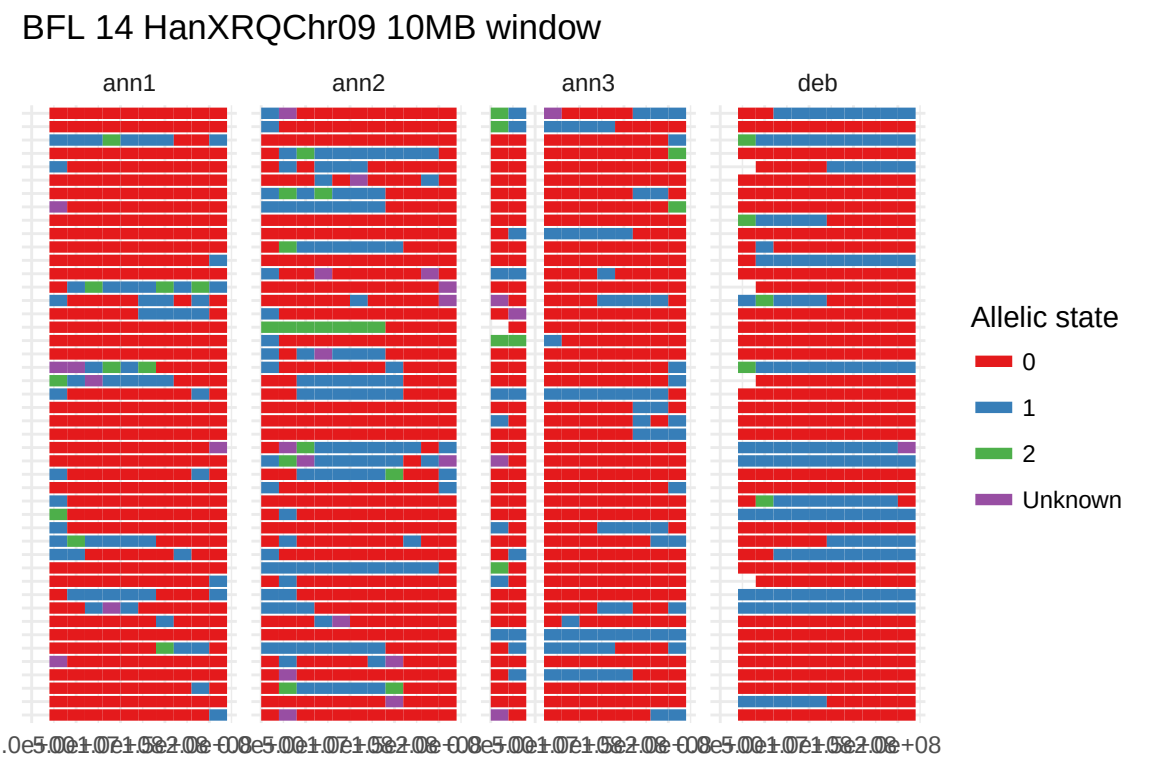
ann2
ann3
deb
Allelic state
0
1
2
Unknown


BFL 14 HanXRQChr06 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

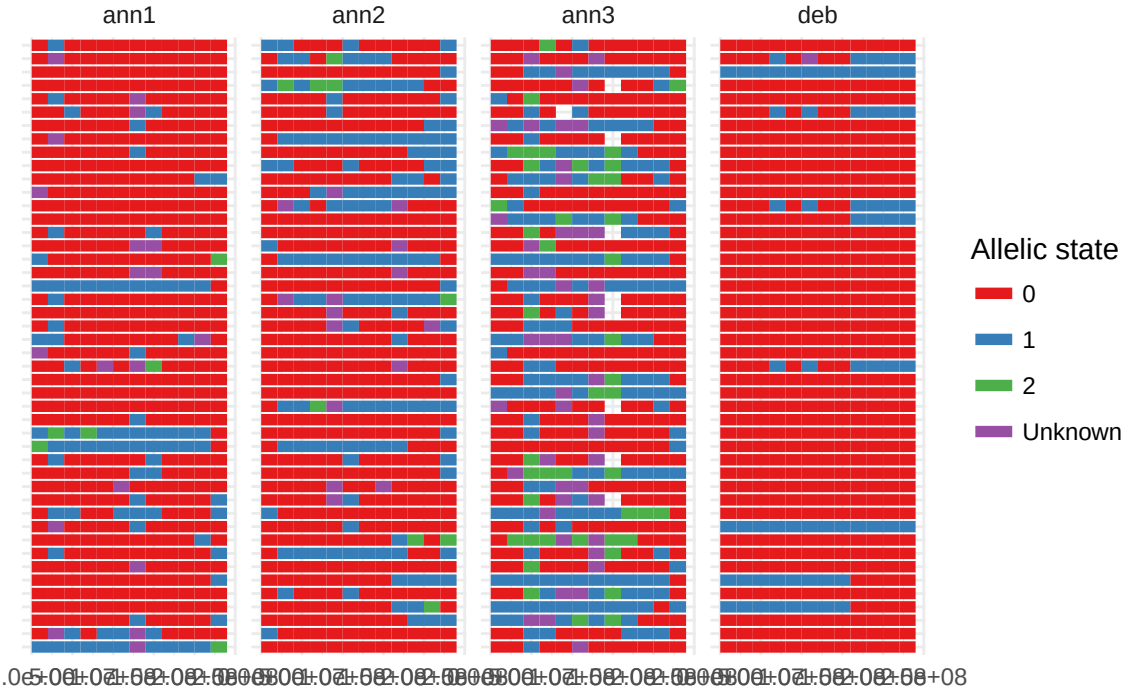
BFL 14 HanXRQChr07 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 14 HanXRQChr08 10MB window

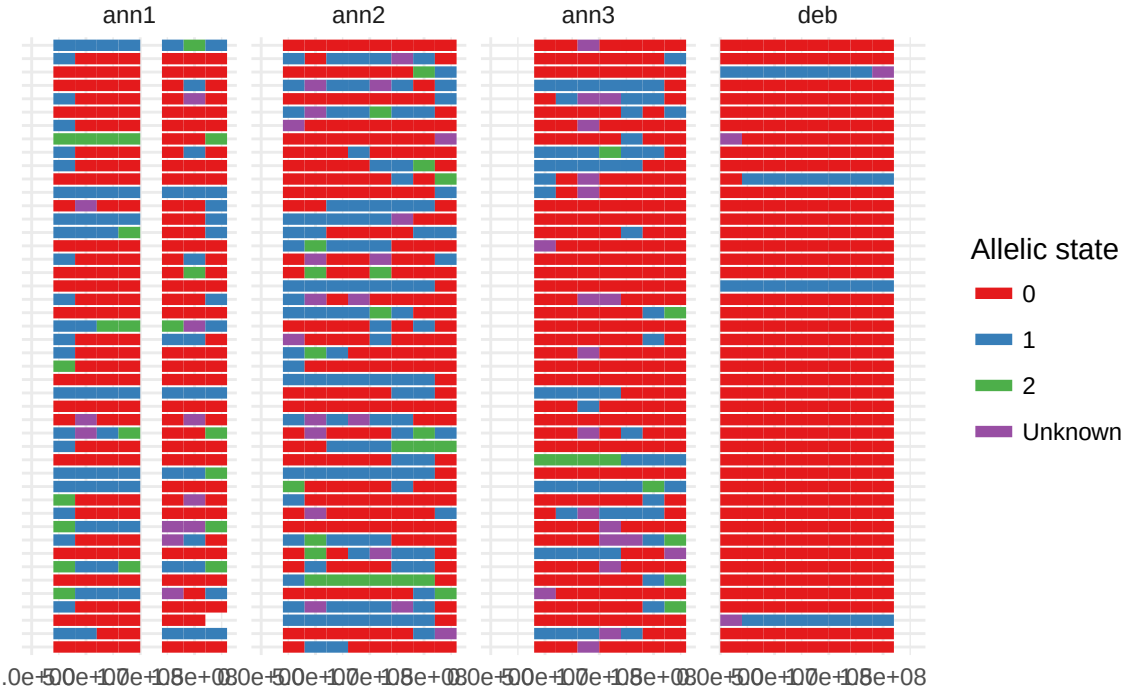



BFL 14 HanXRQChr09 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

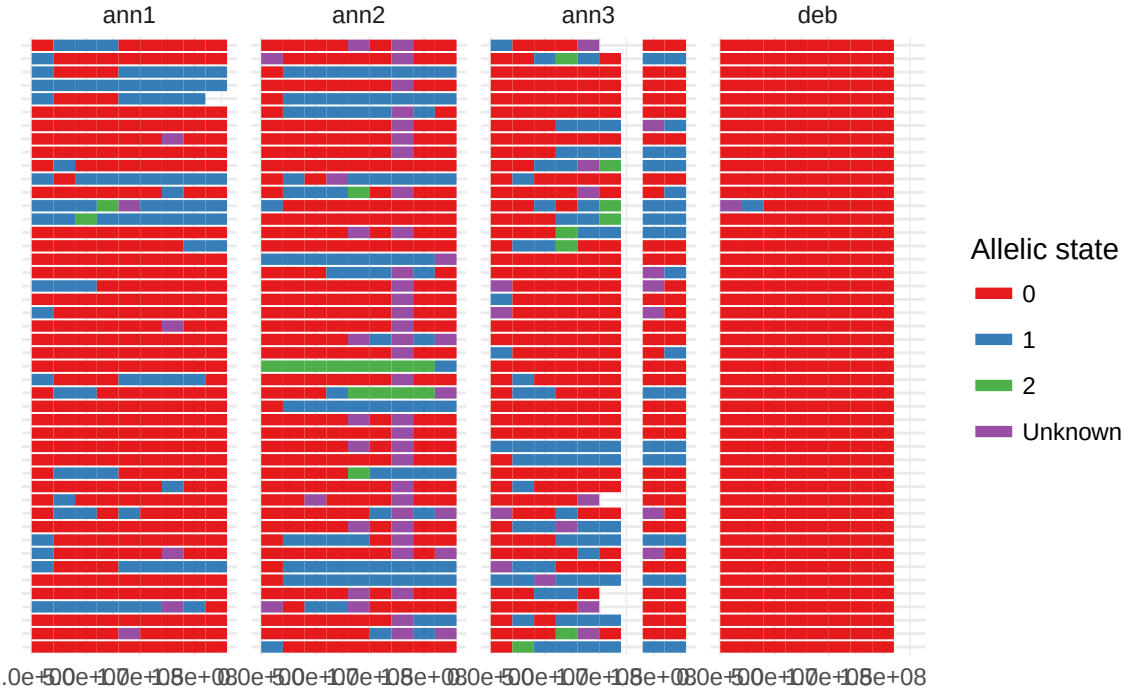
BFL 14 HanXRQChr10 10MB window



BFL 14 HanXRQChr11 10MB window



BFL 14 HanXRQChr12 10MB window



BFL 14 HanXRQChr13 10MB window
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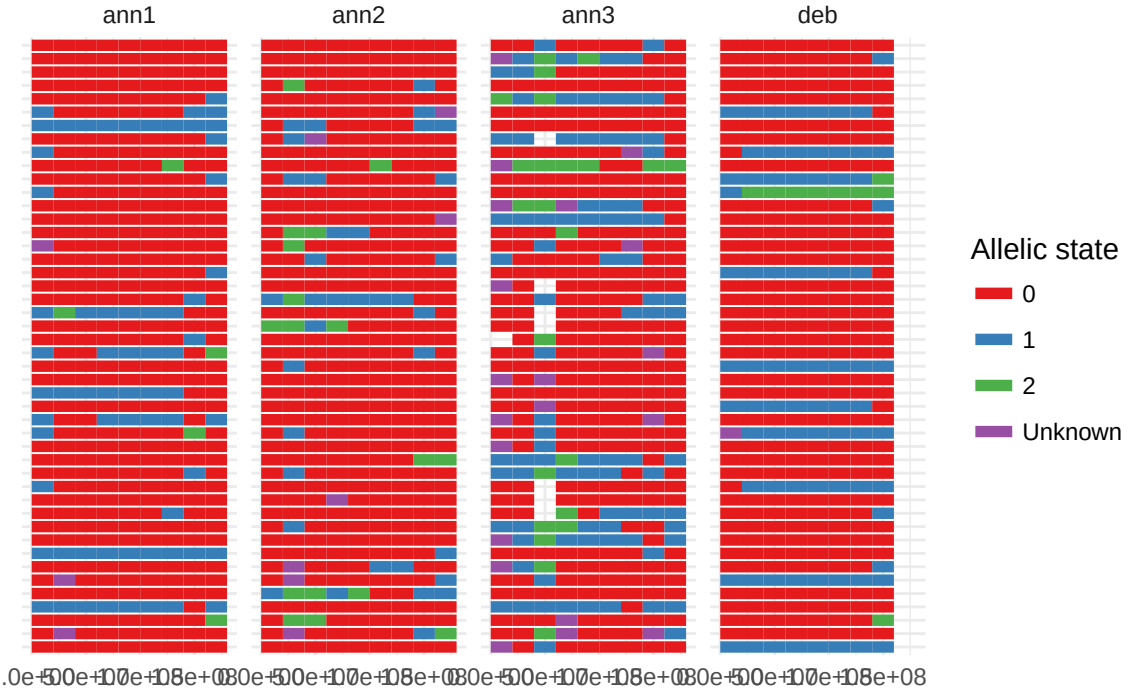
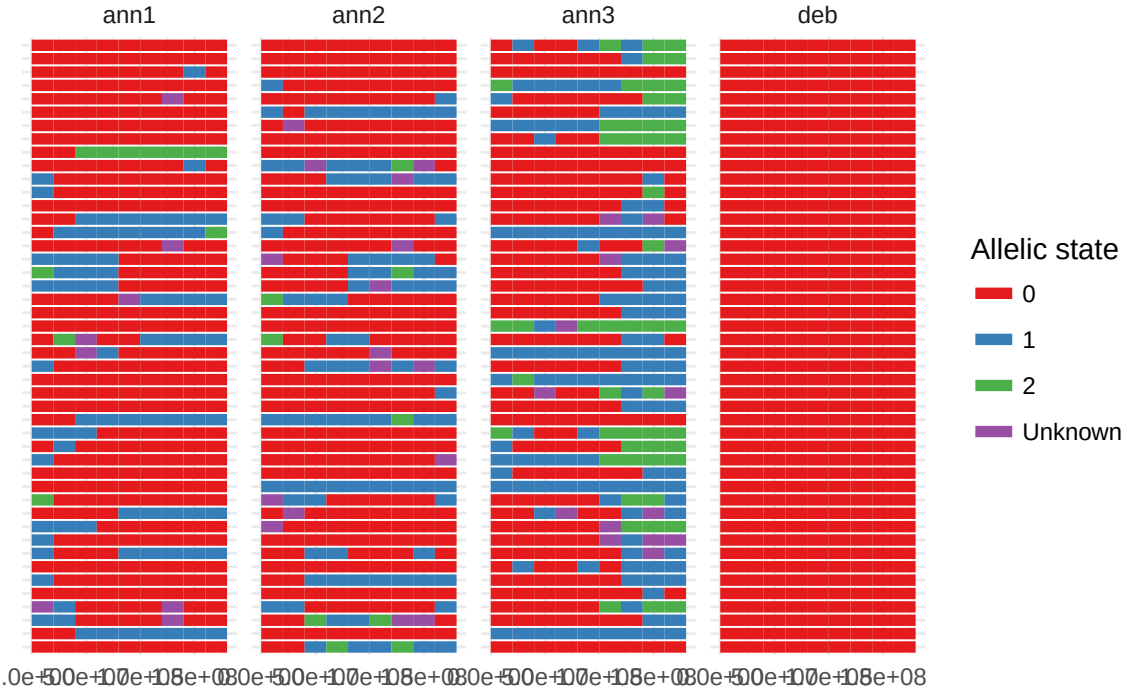
ann2
ann3
deb
Allelic state
0
1
2
Unknown

BFL 14 HanXRQChr14 10MB window



BFL 14 HanXRQChr15 10MB window



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ann3
deb
Allelic state
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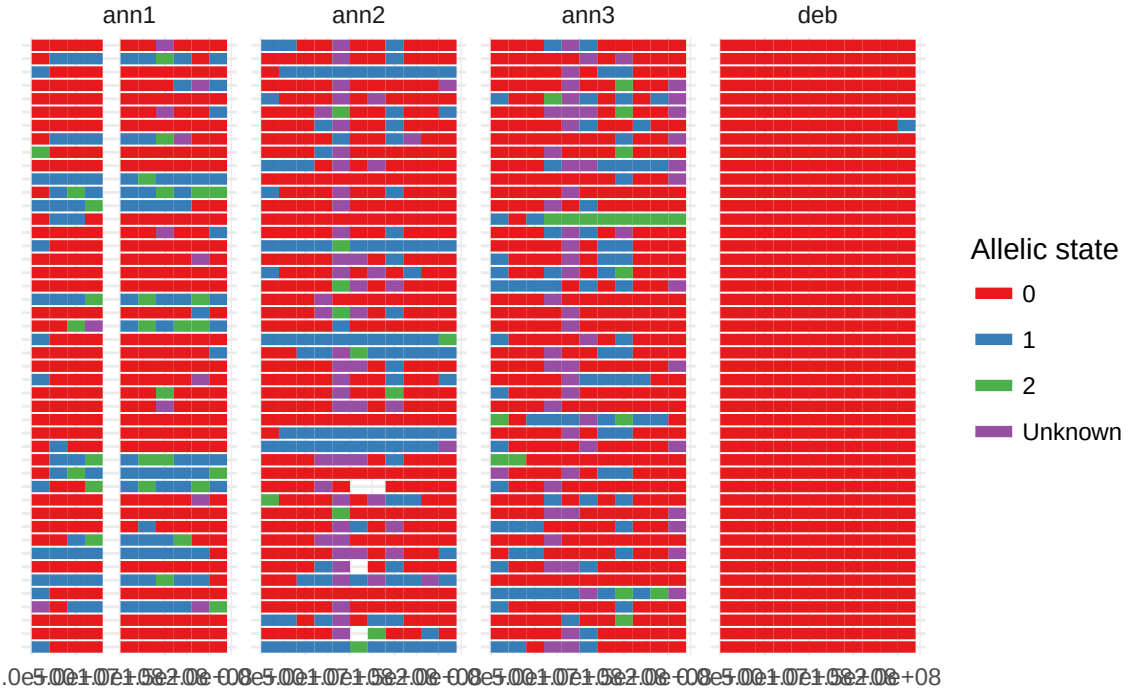
1
2
Unknown

BFL 14 HanXRQChr17 10MB window



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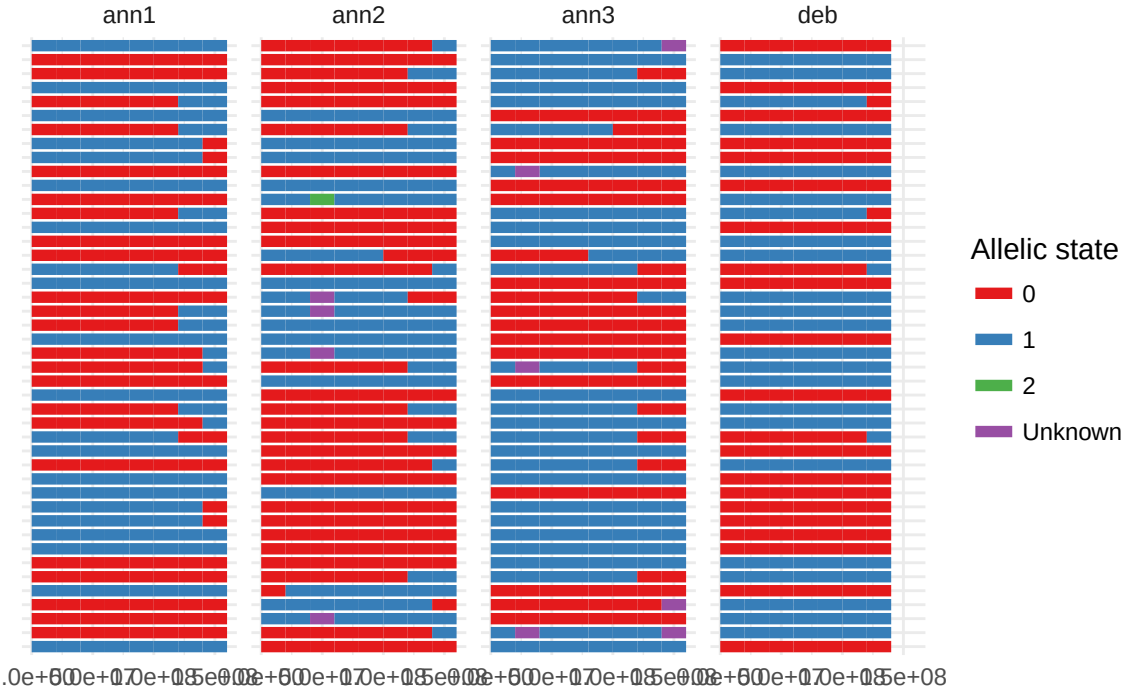

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1
2
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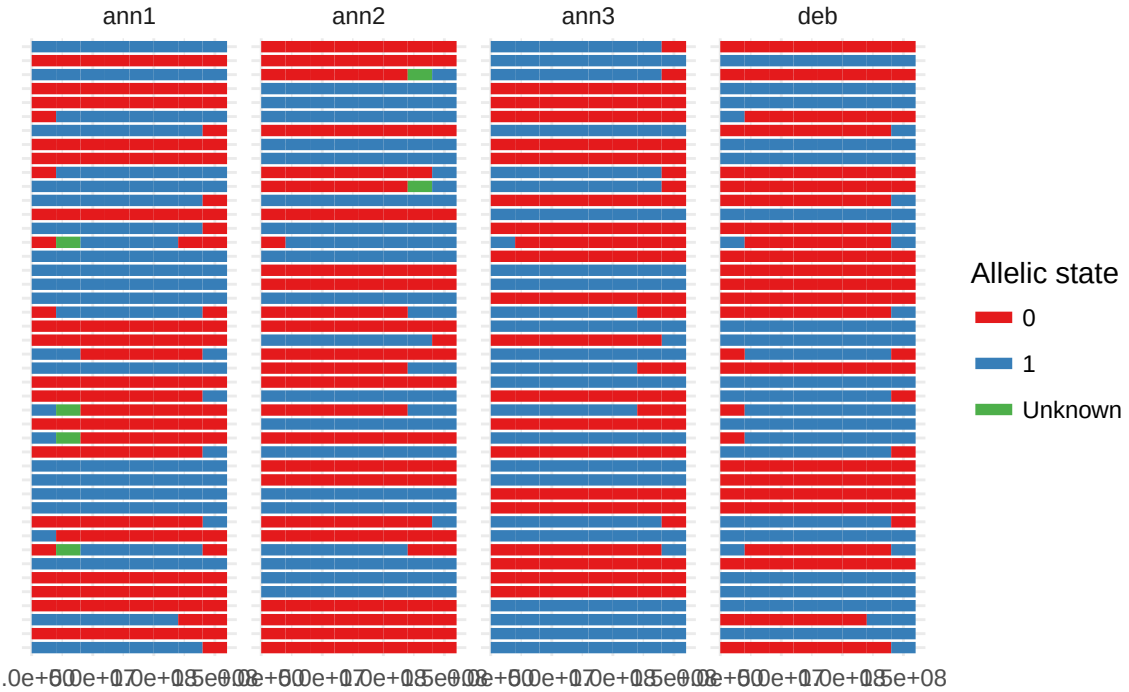

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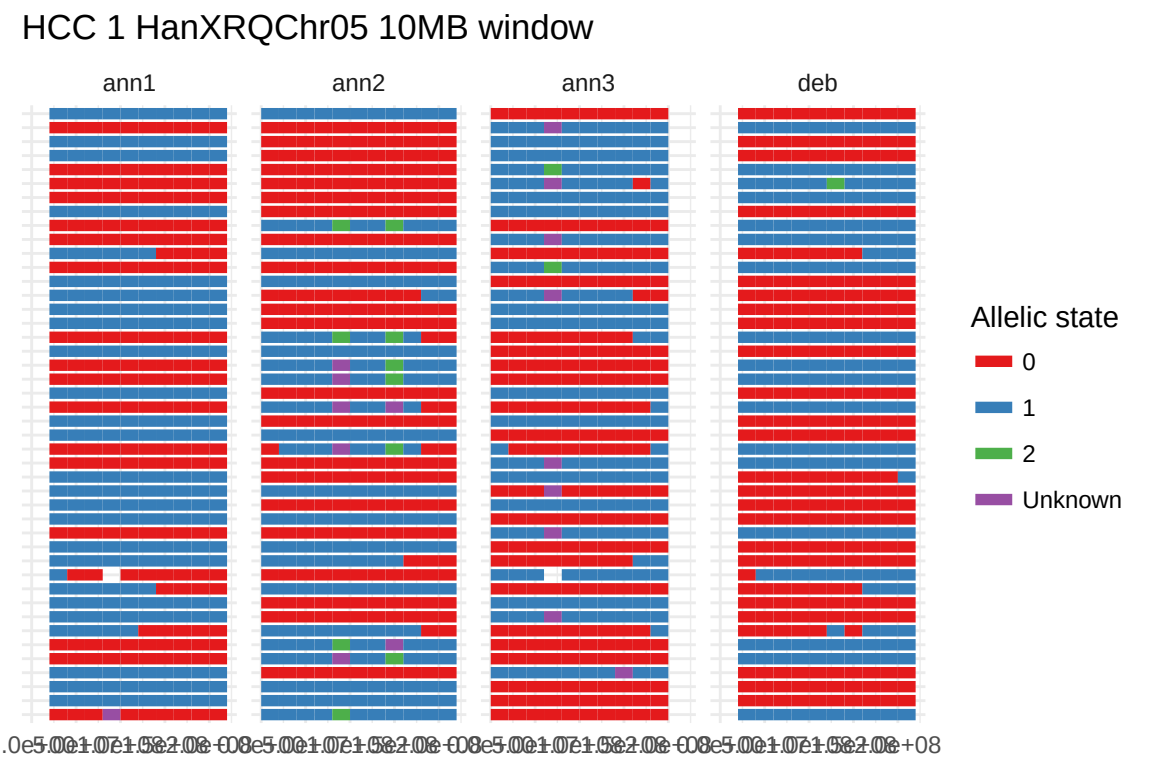
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1
2
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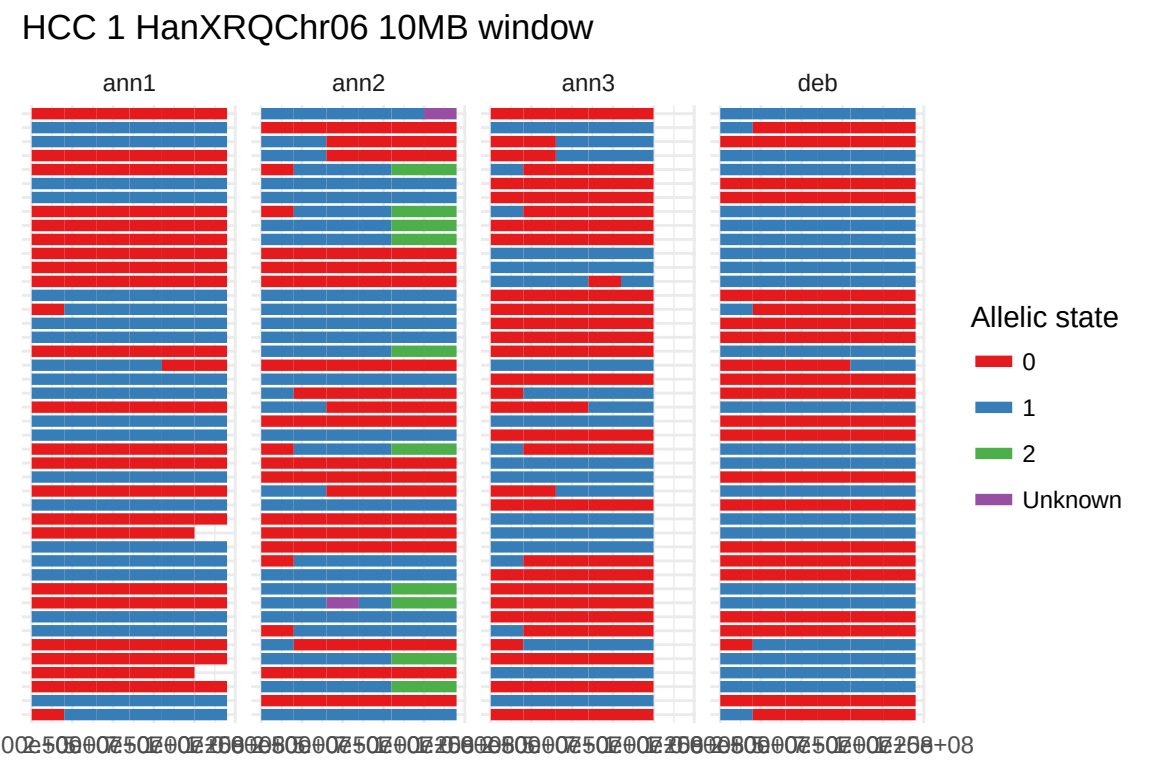
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1
2
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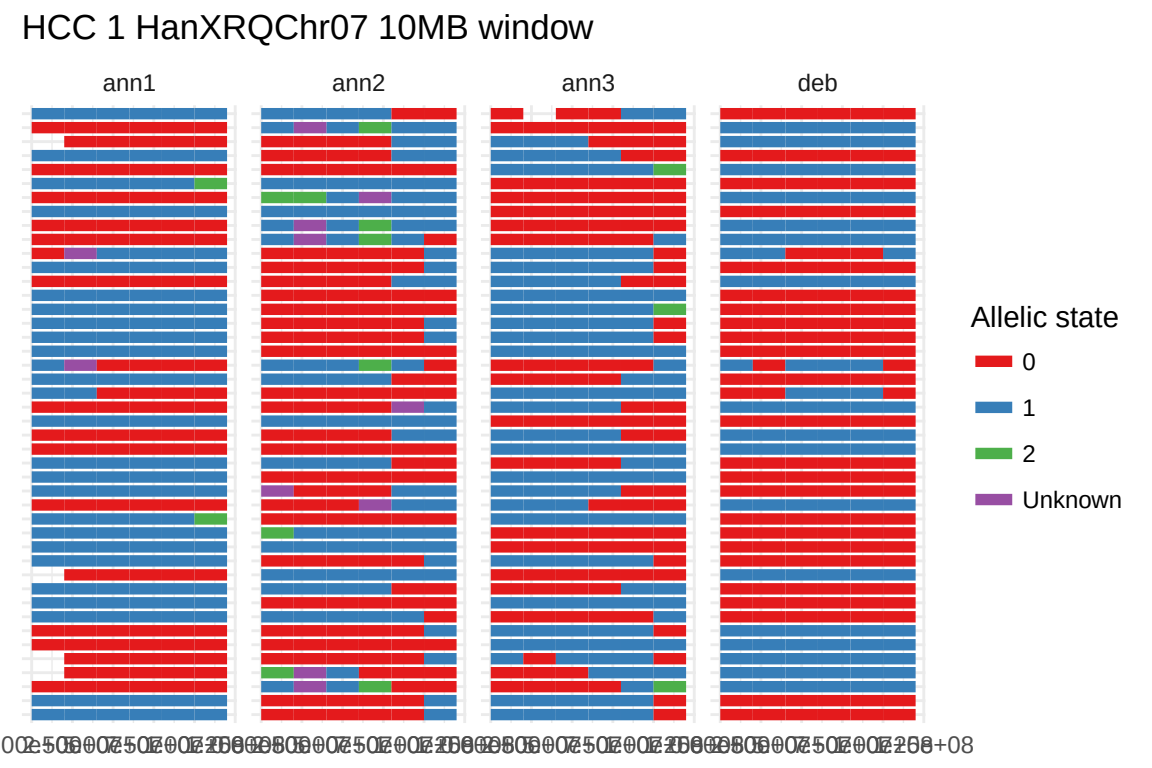
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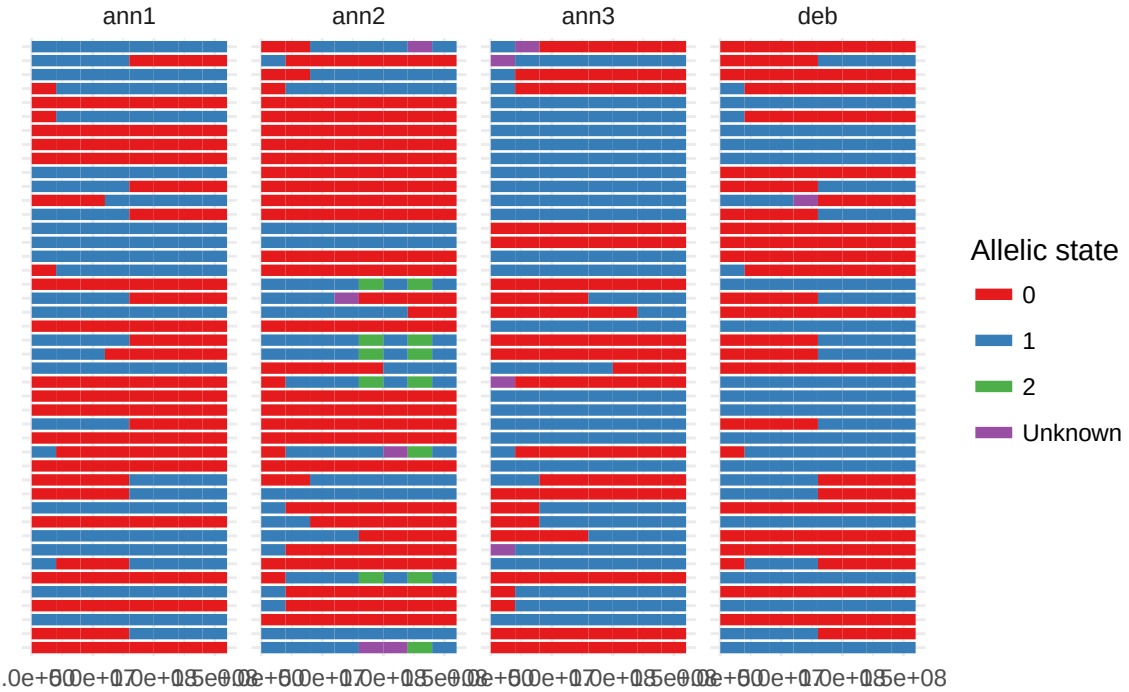

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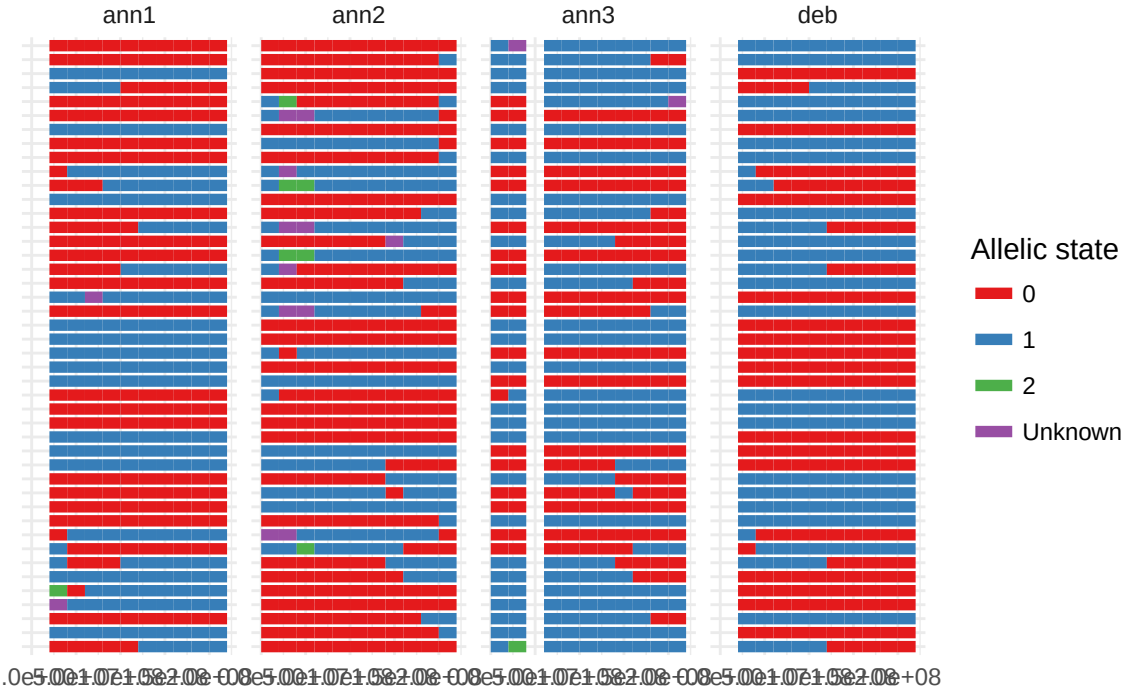

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ann3
deb
Allelic state
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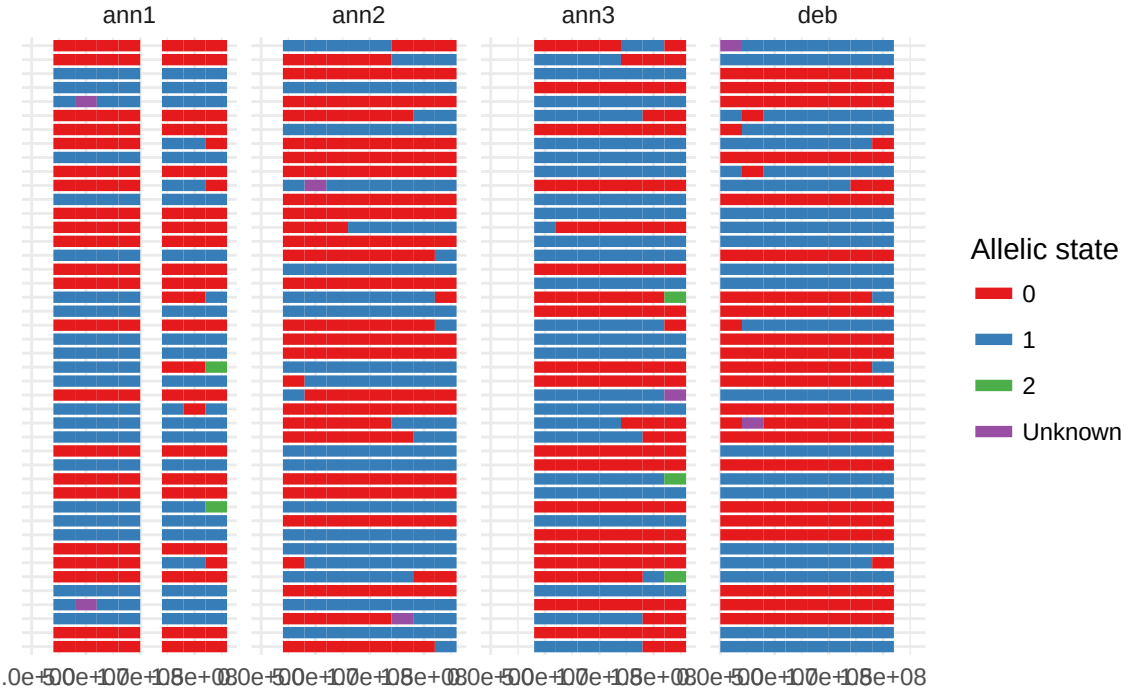
1
2
Unknown

HCC 1 HanXRQChr11 10MB window



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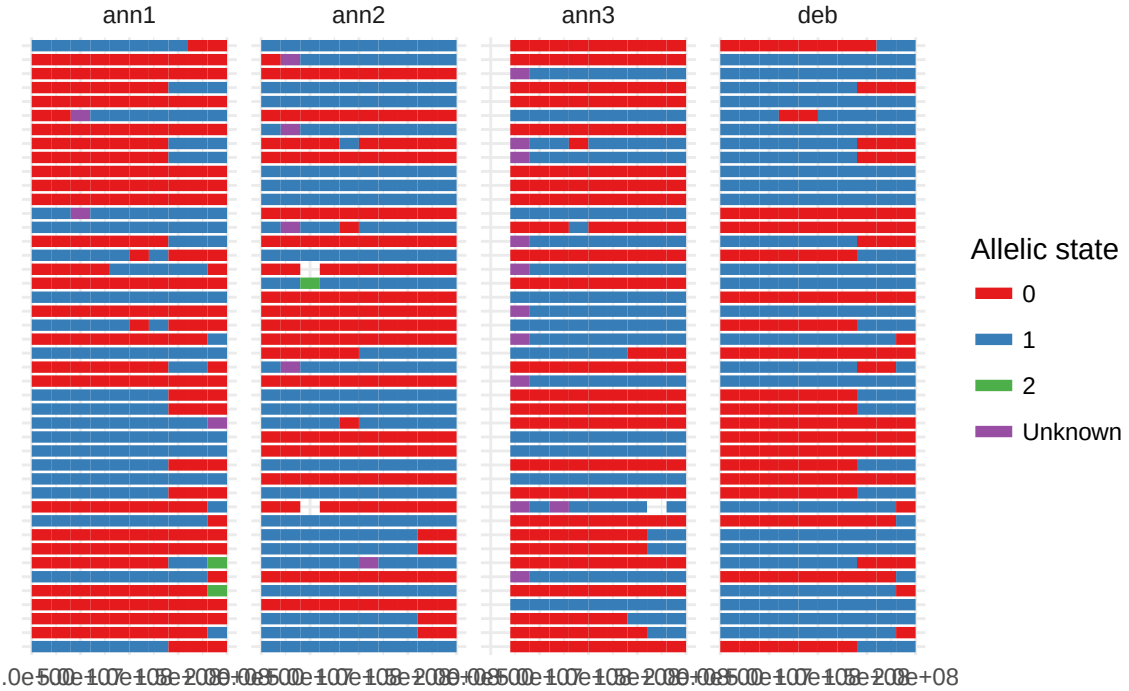
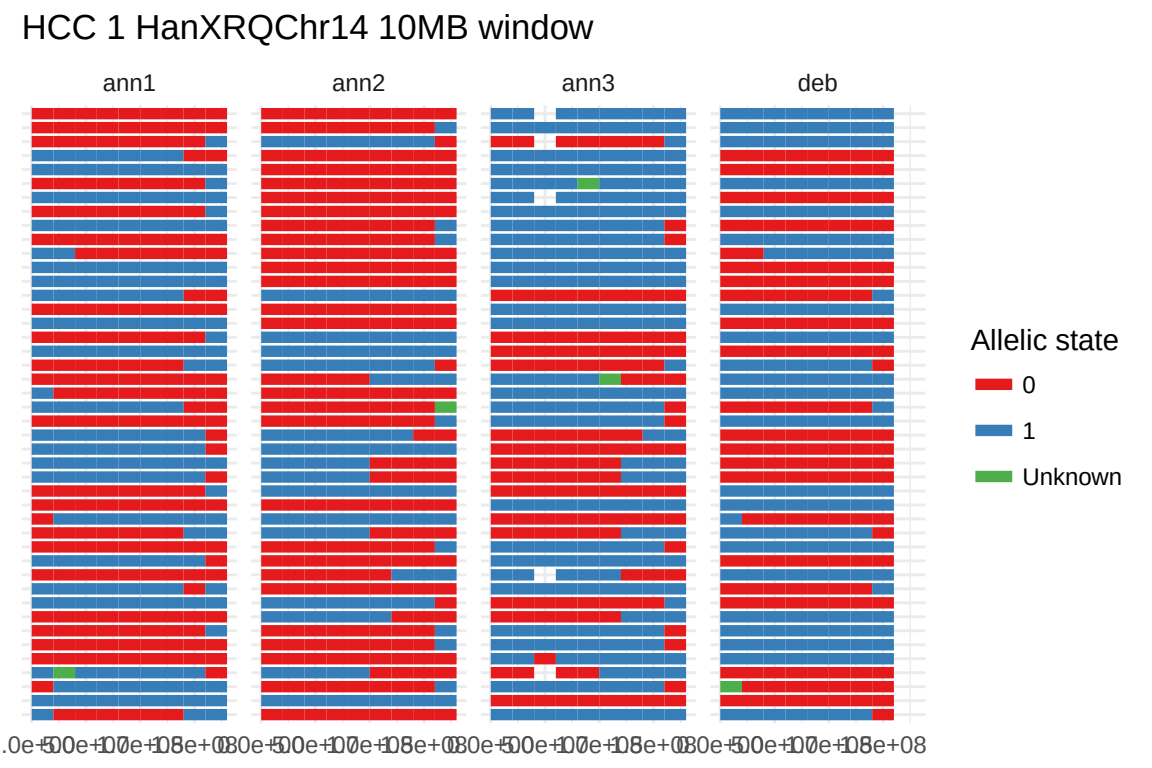
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

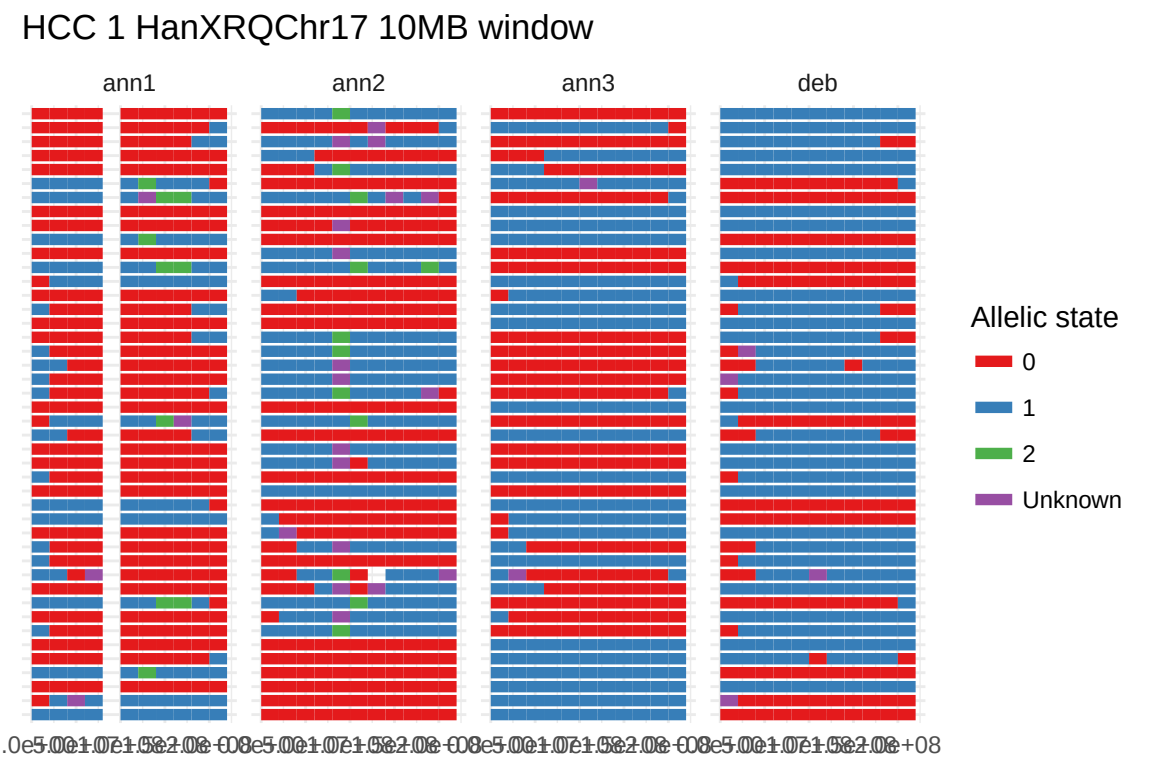
HCC 1 HanXRQChr13 10MB window




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

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

HCC 1 HanXRQChr16 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown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ann2
ann3
deb
Allelic state
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1
2
Unknown

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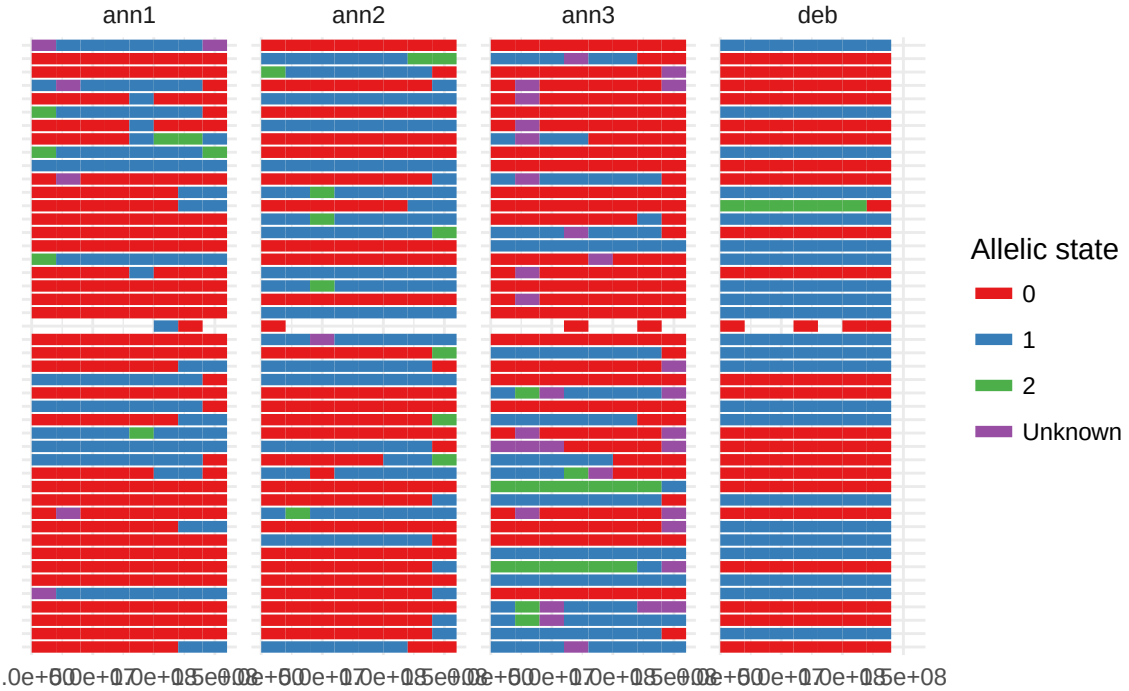

HCC 2 HanXRQChr02 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown
.0e+50e+07e+08e+08
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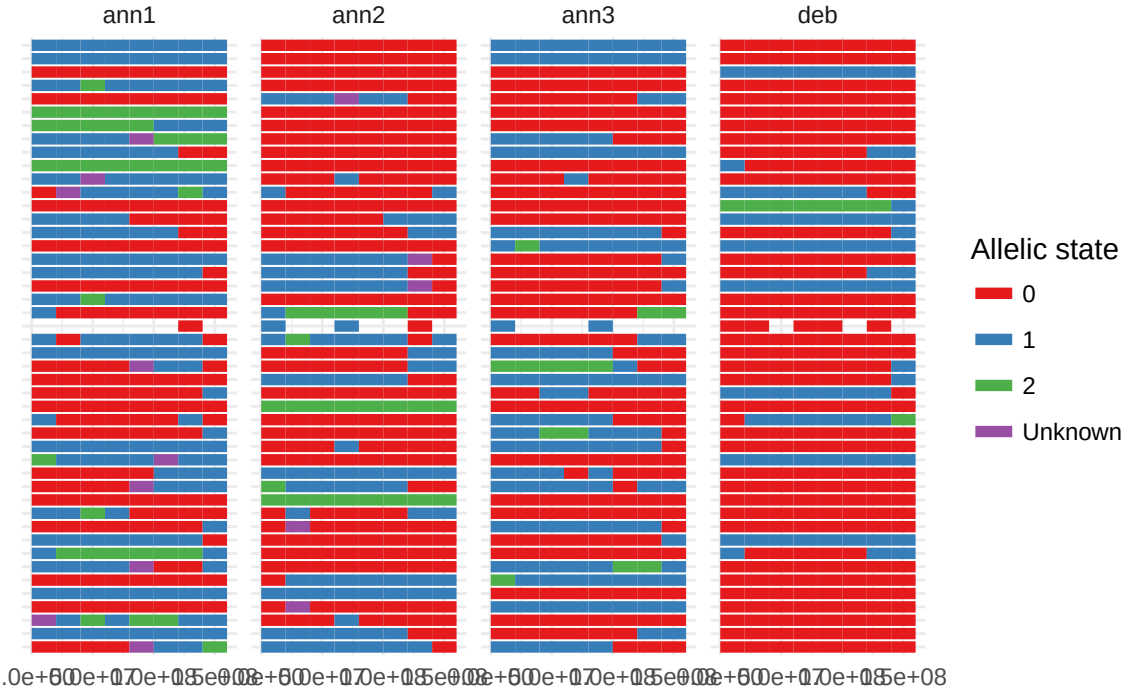
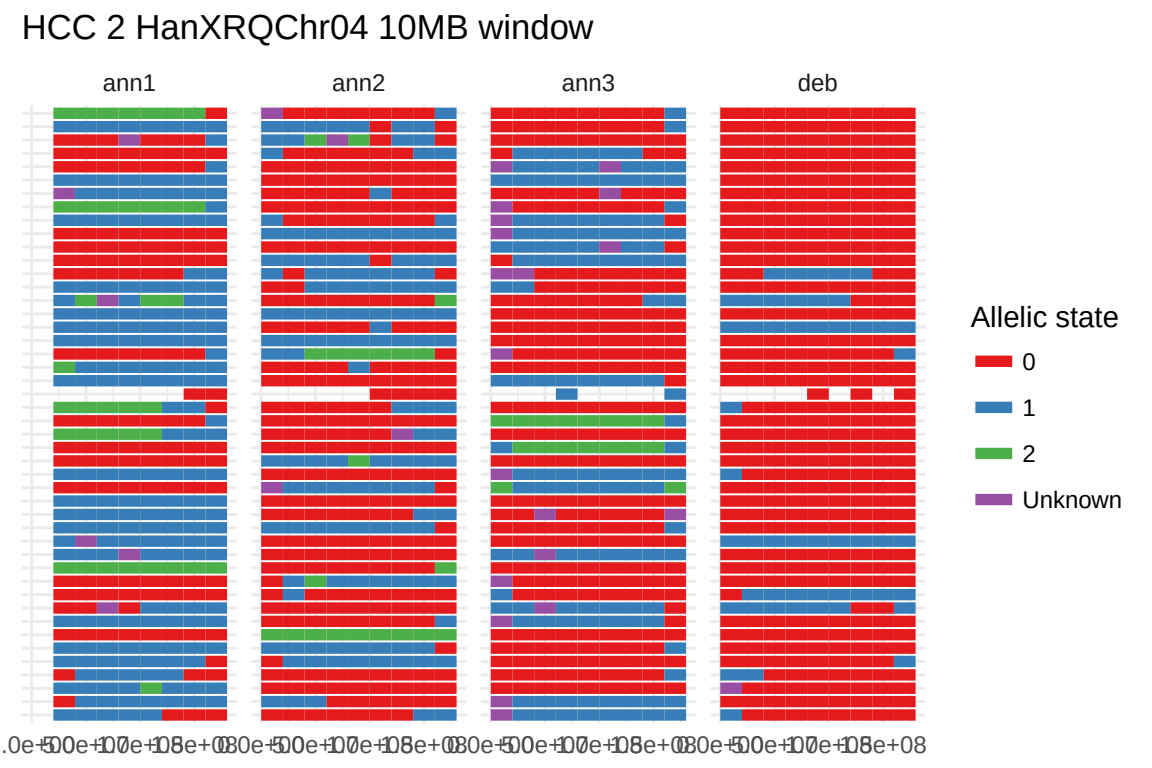
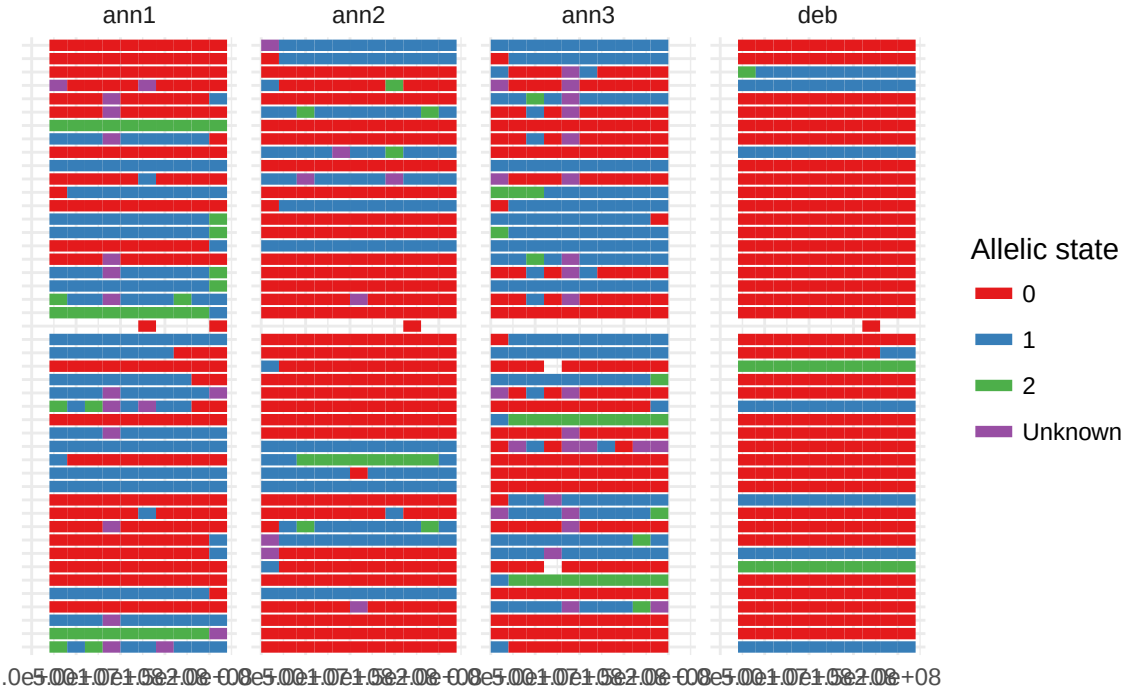
0e+50e+07e+08e+08

HCC 2 HanXRQChr03 10MB window




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

HCC 2 HanXRQChr05 10MB window



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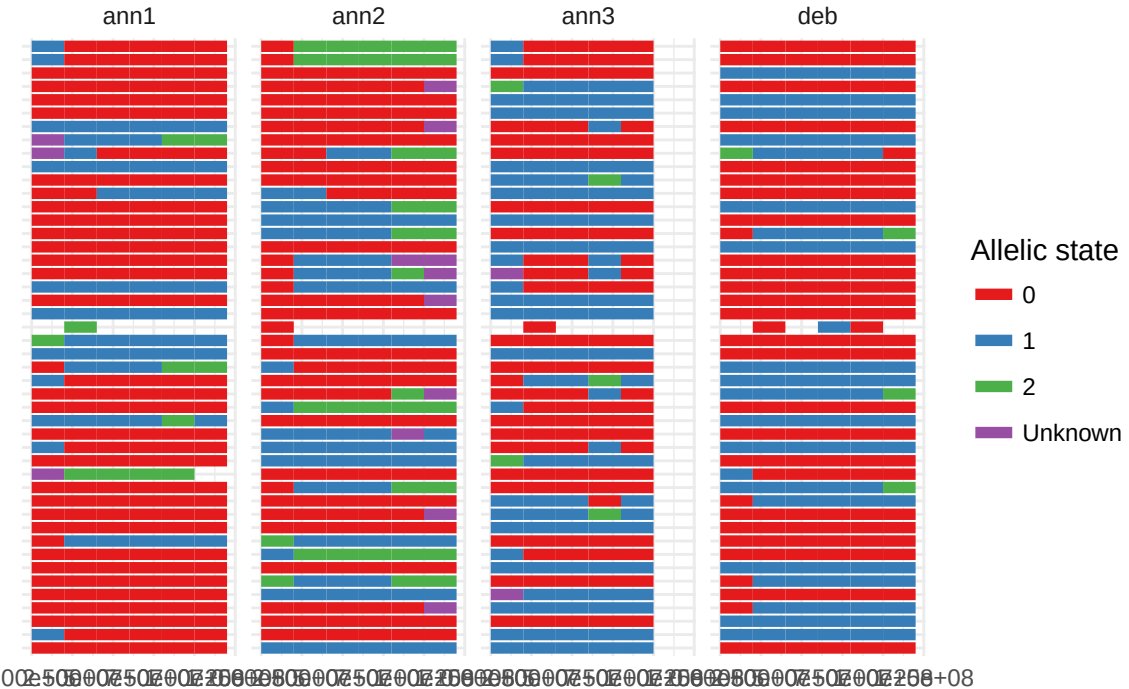

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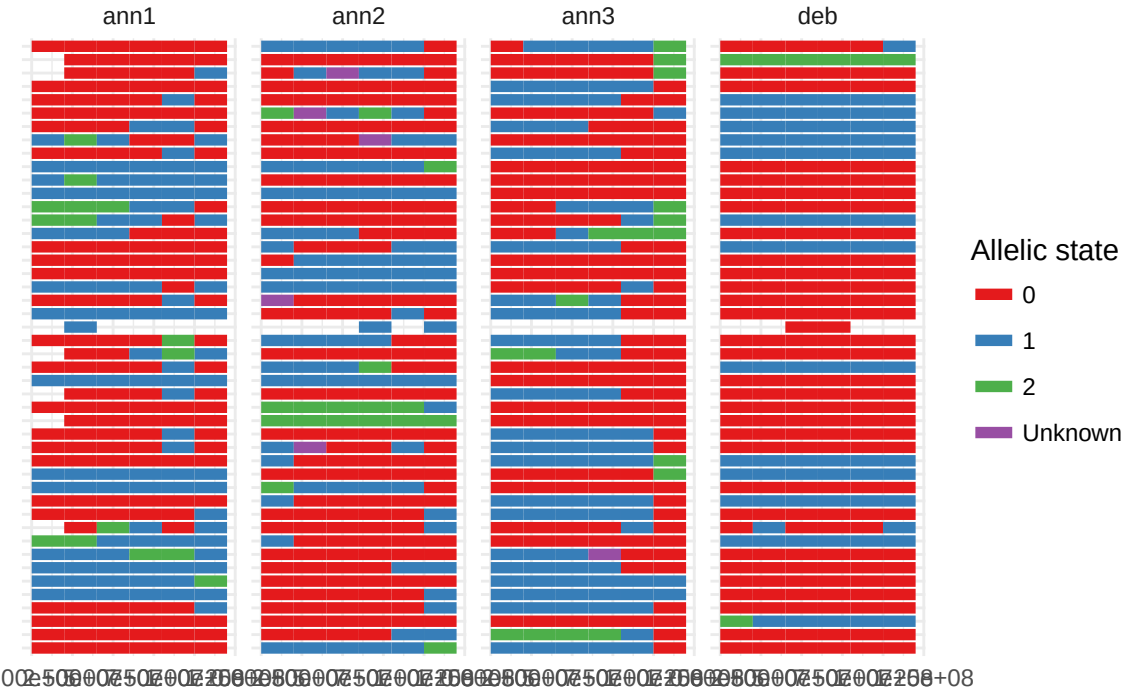

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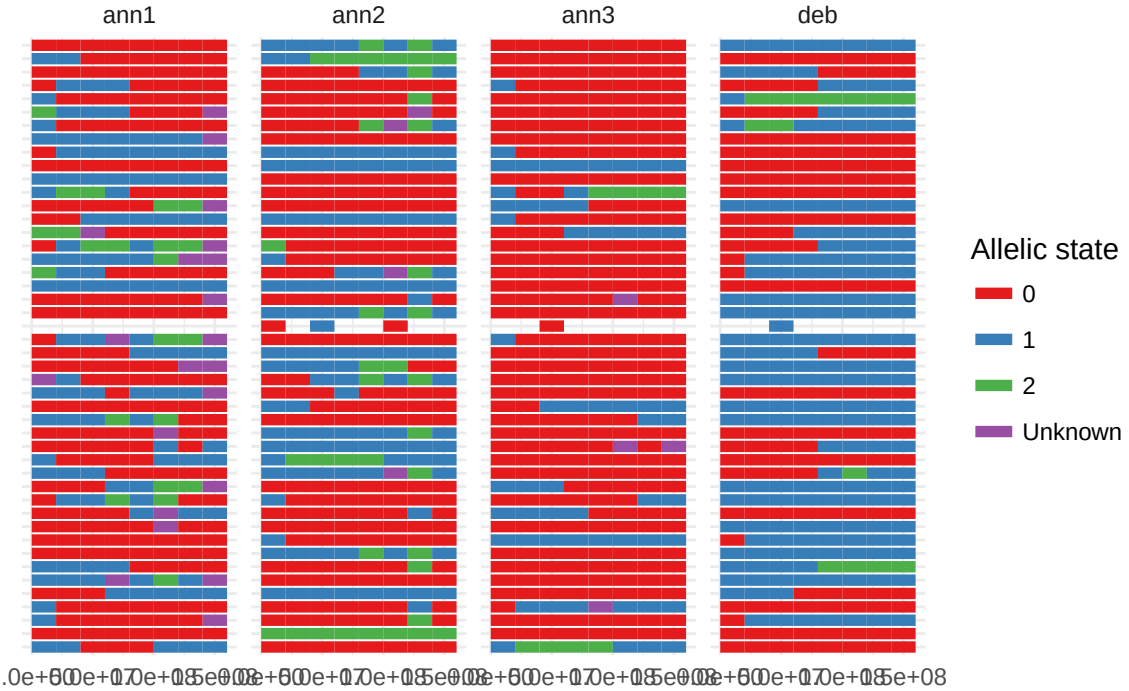

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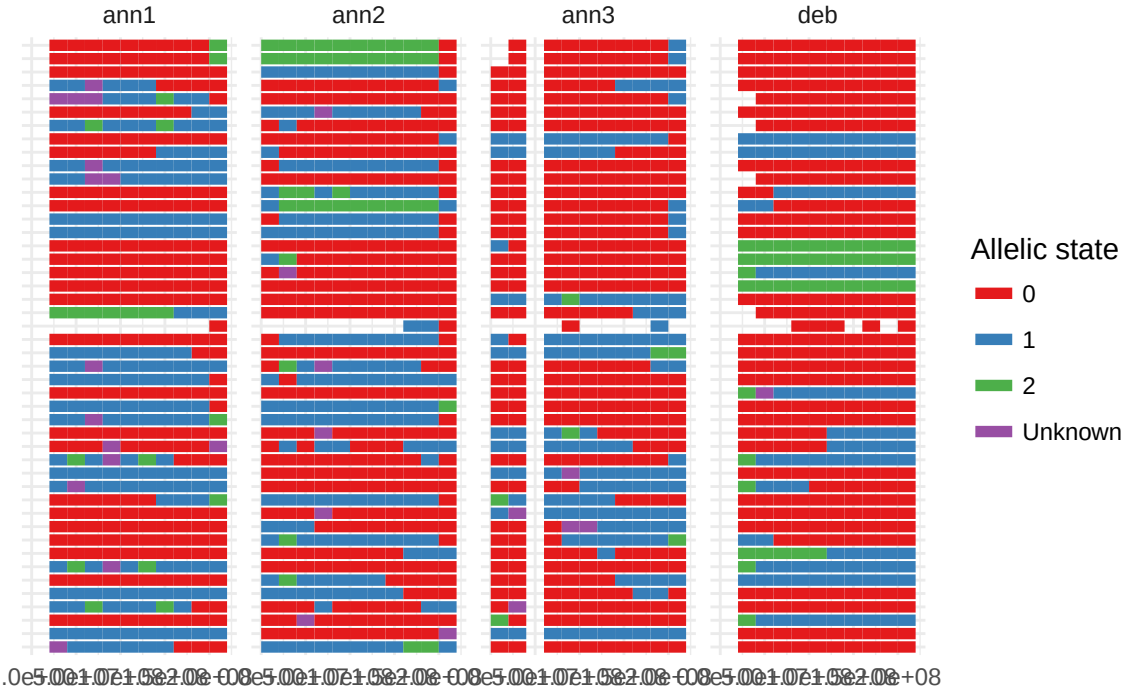

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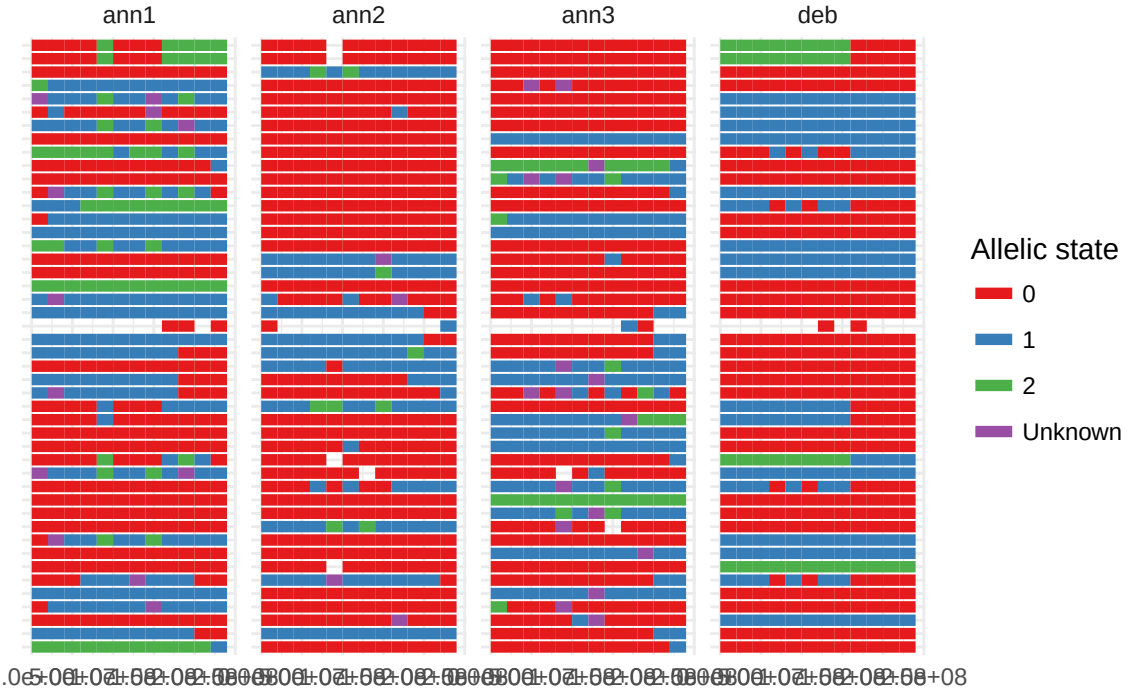

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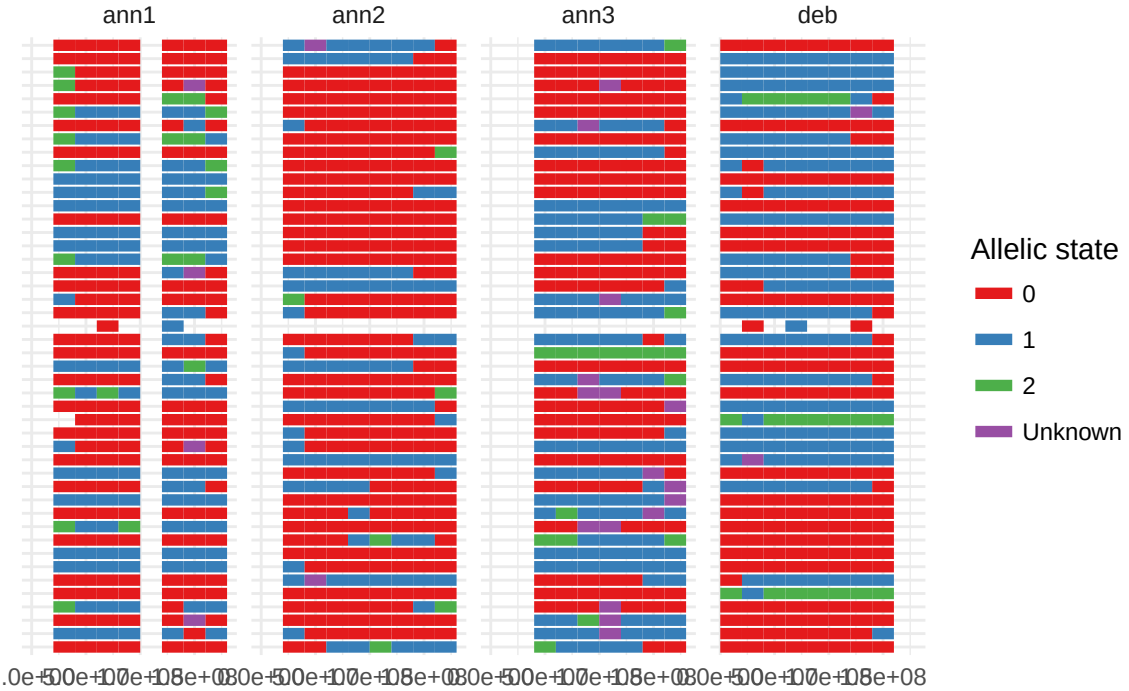

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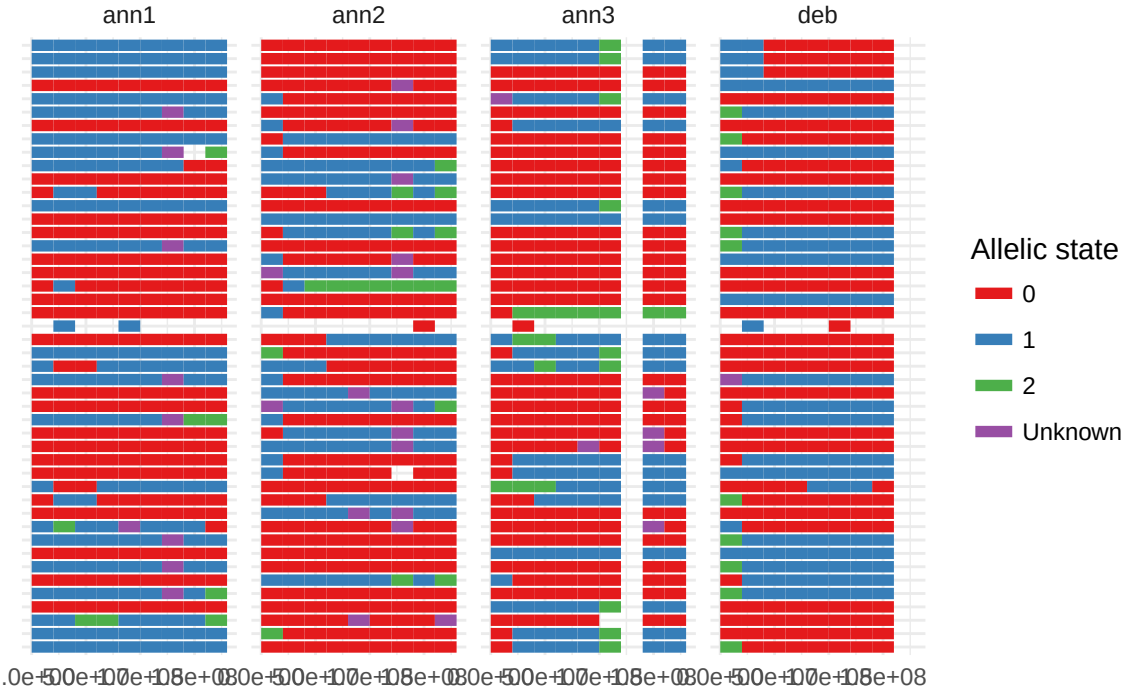
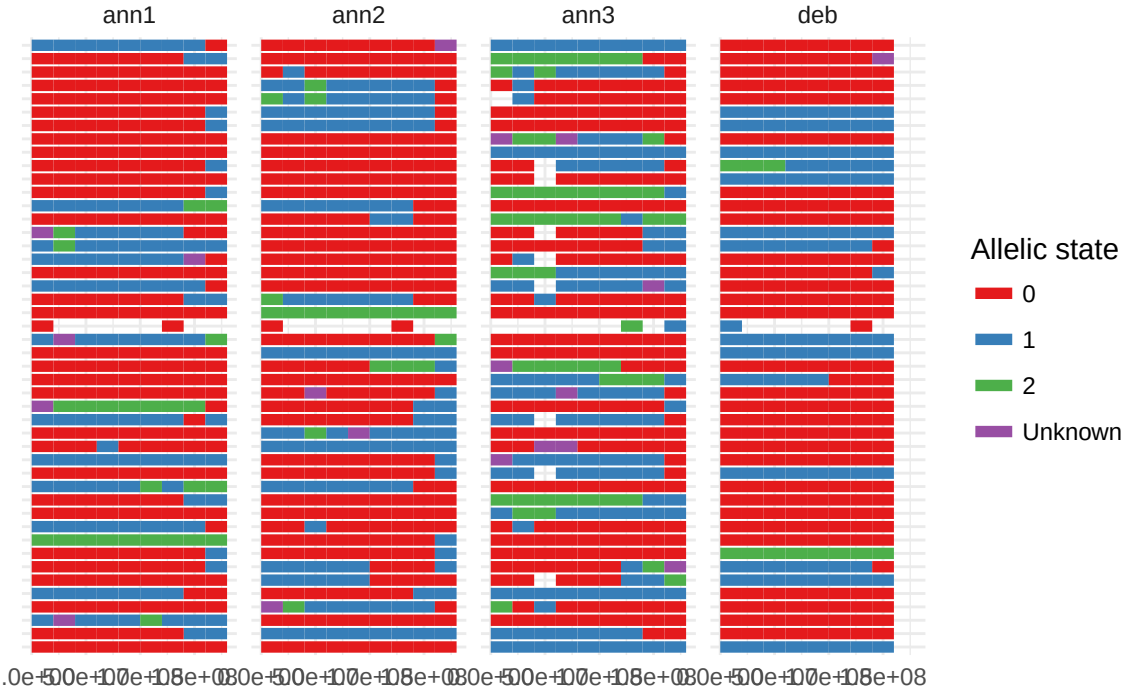


HCC 2 HanXRQChr13 10MB window
ann1
ann2
ann3
deb
Allelic state
0
1
2
Unknown

HCC 2 HanXRQChr14 10MB window



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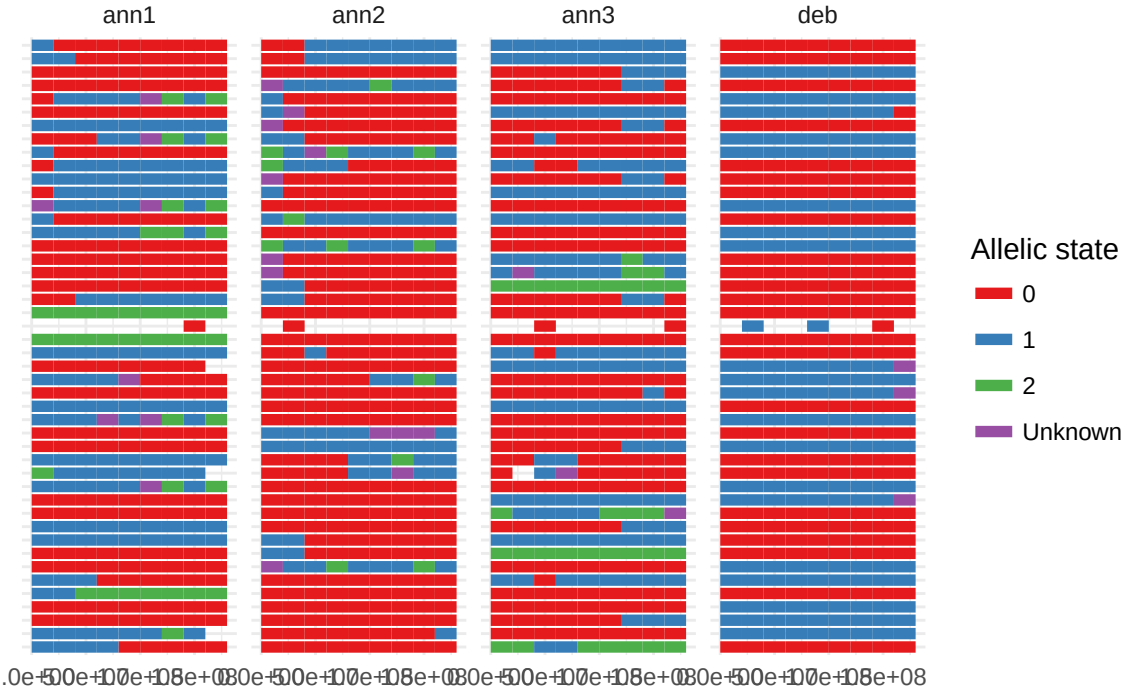

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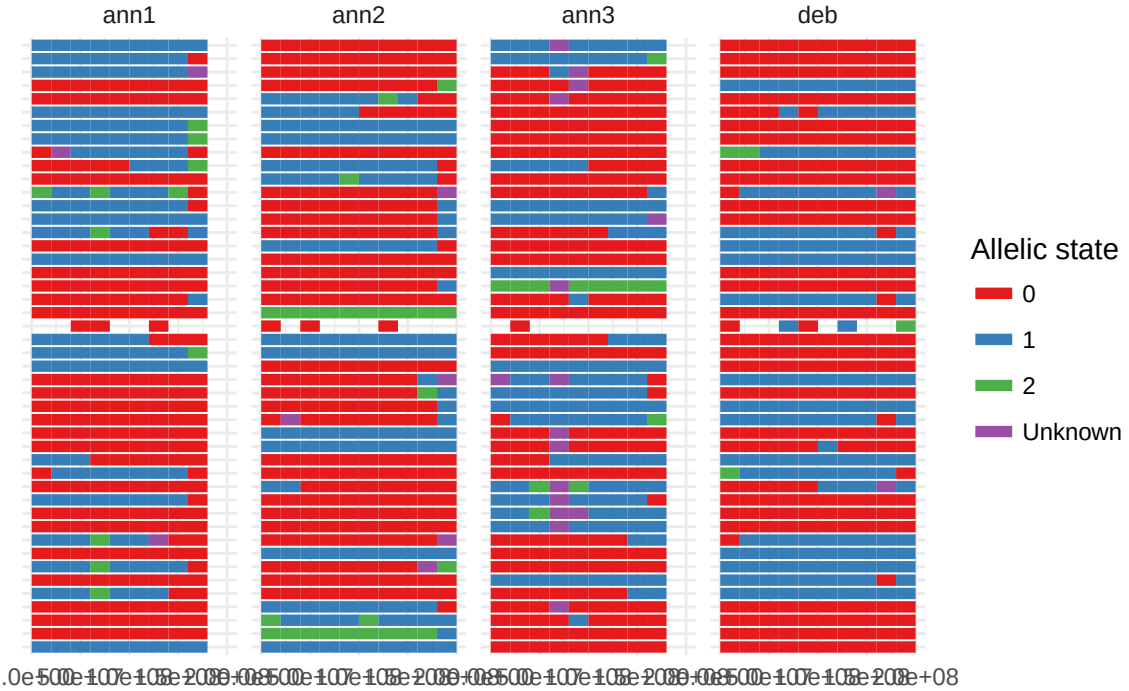

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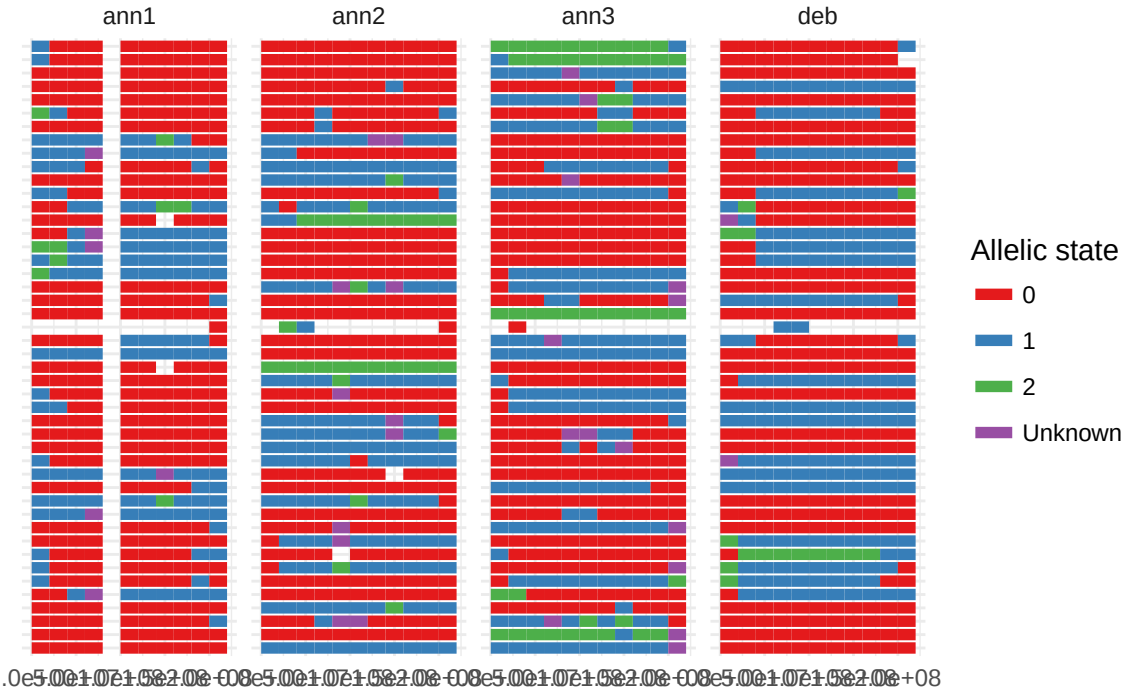

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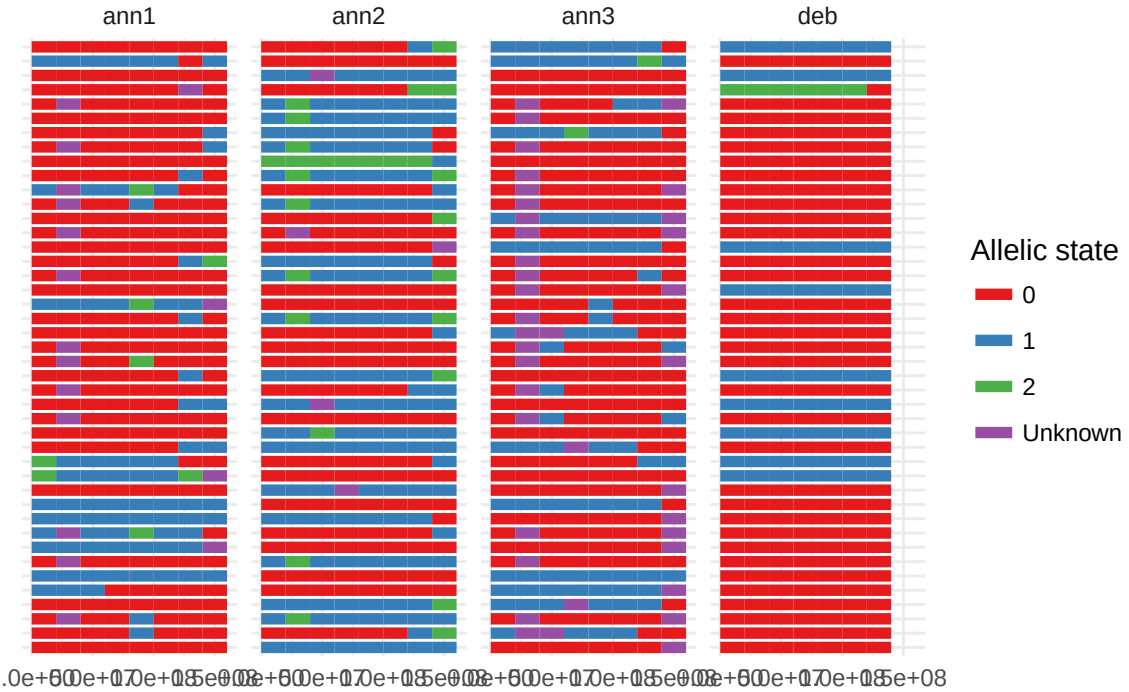
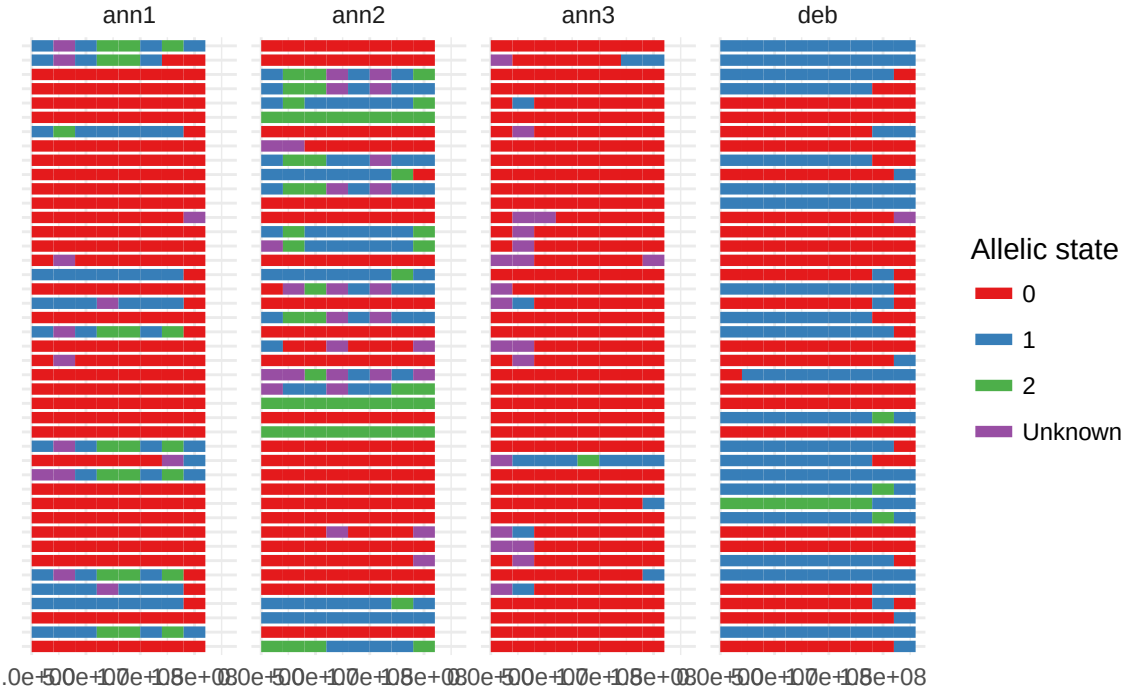


HCC 3 HanXRQChr02 10MB window



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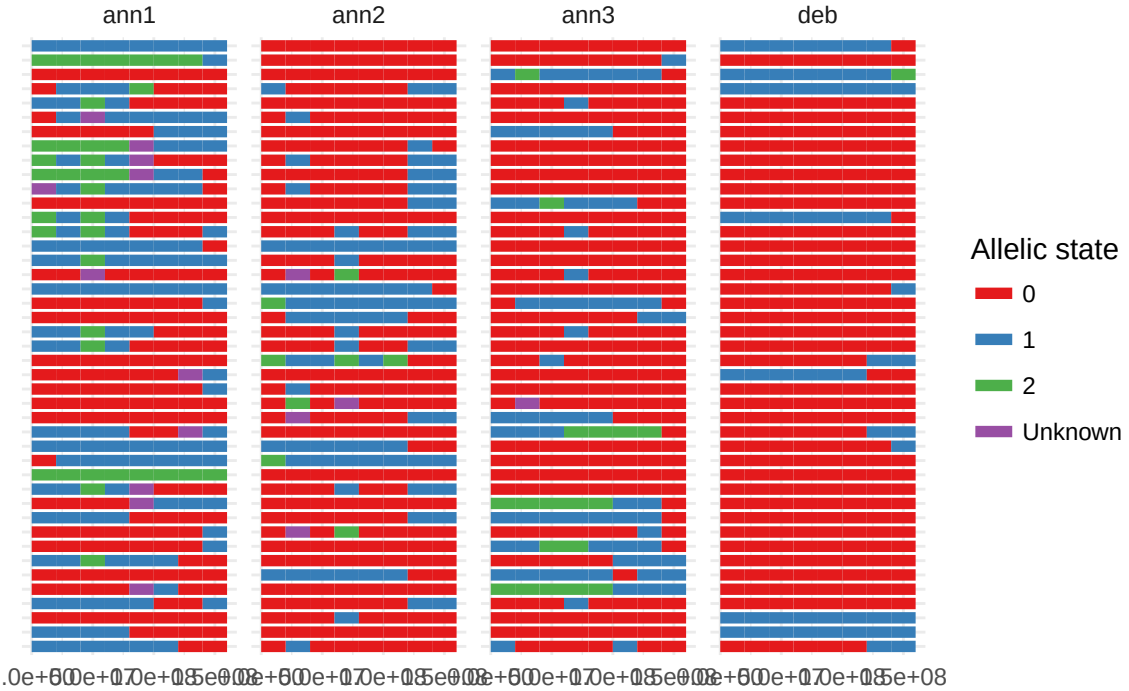

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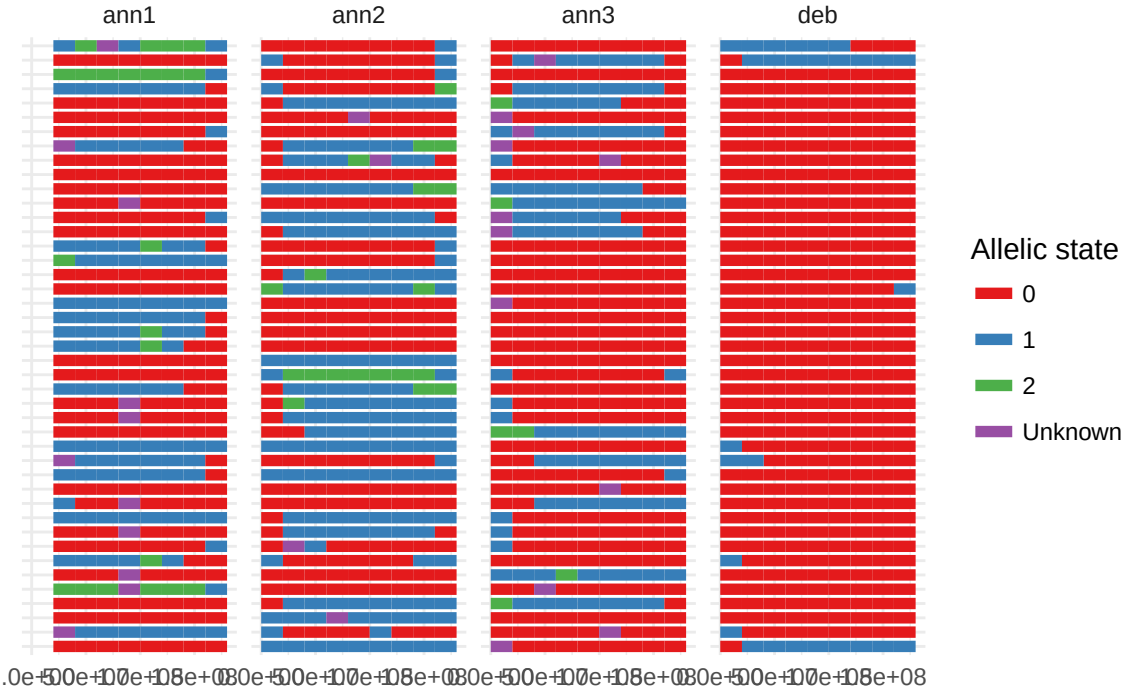

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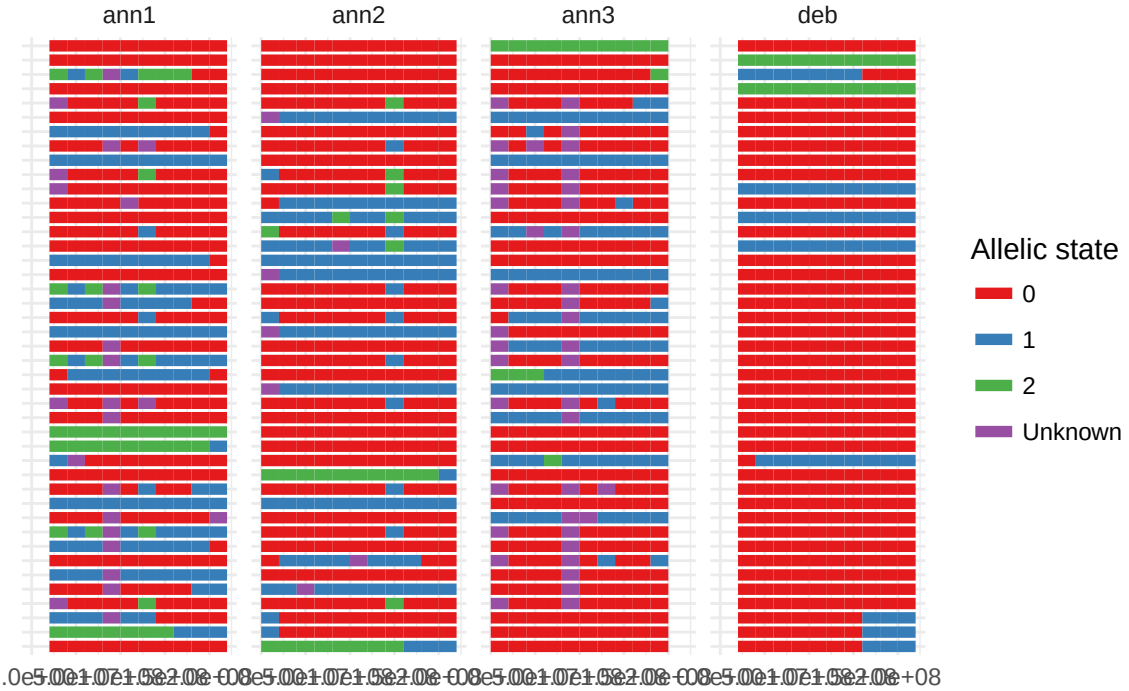

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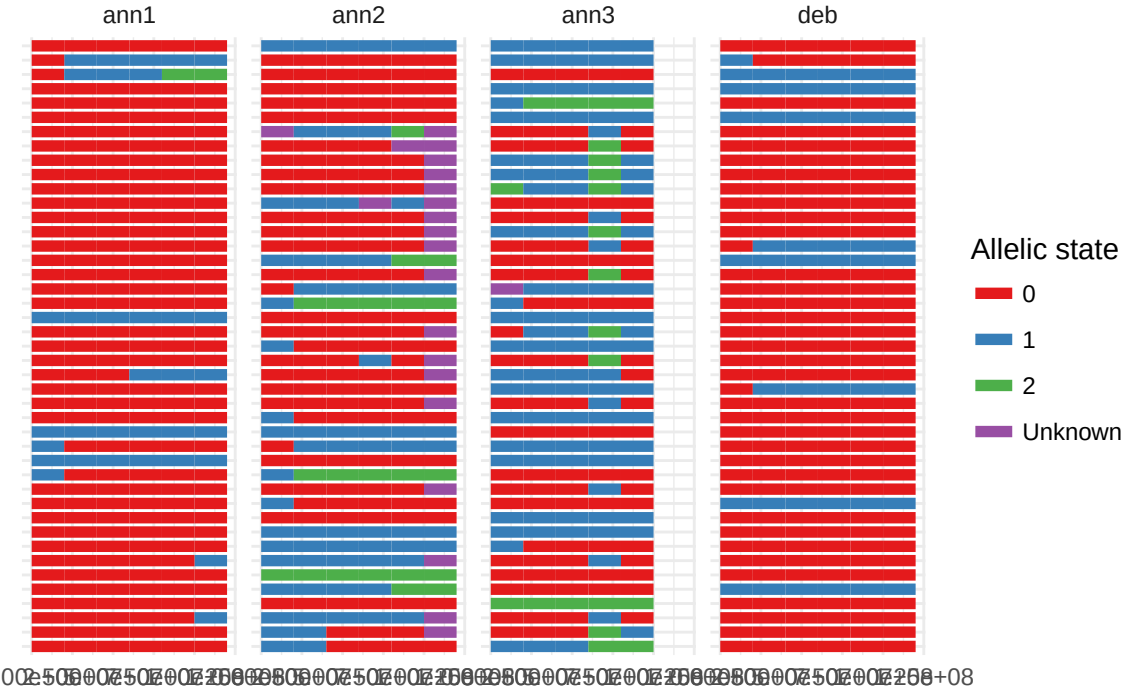

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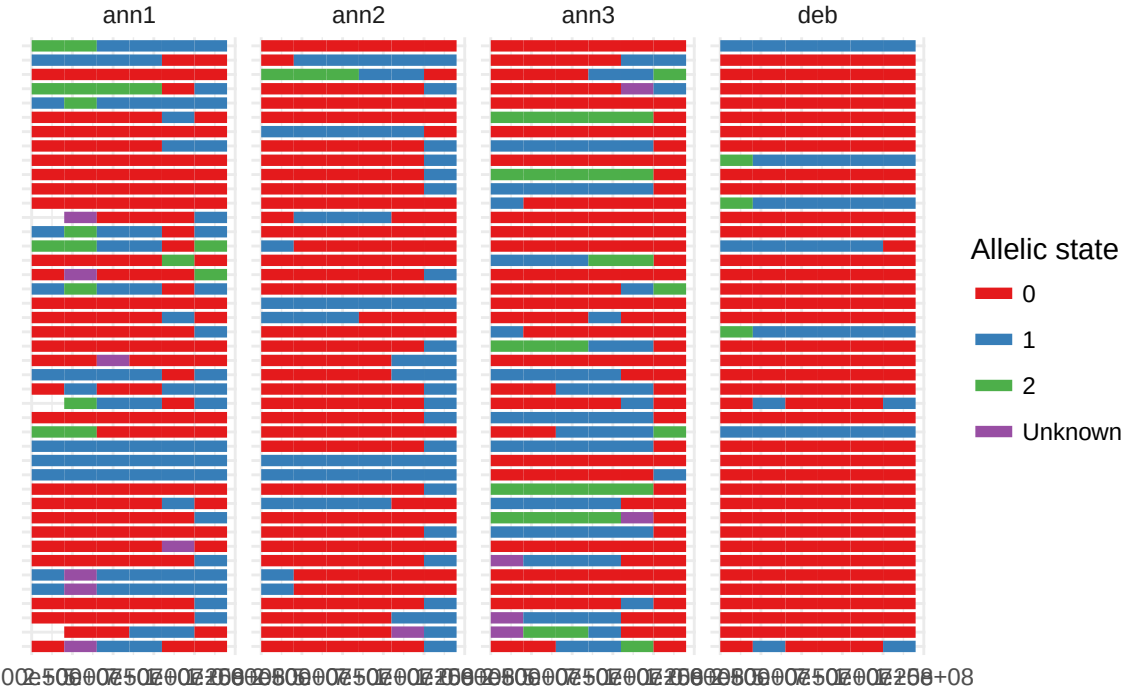

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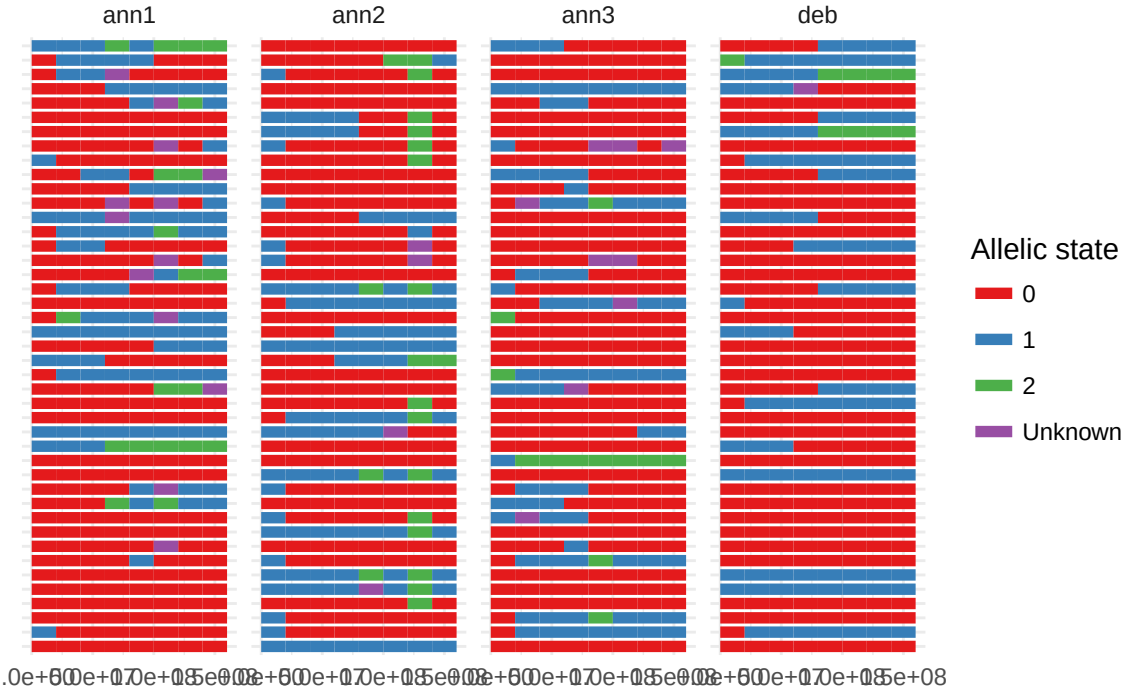

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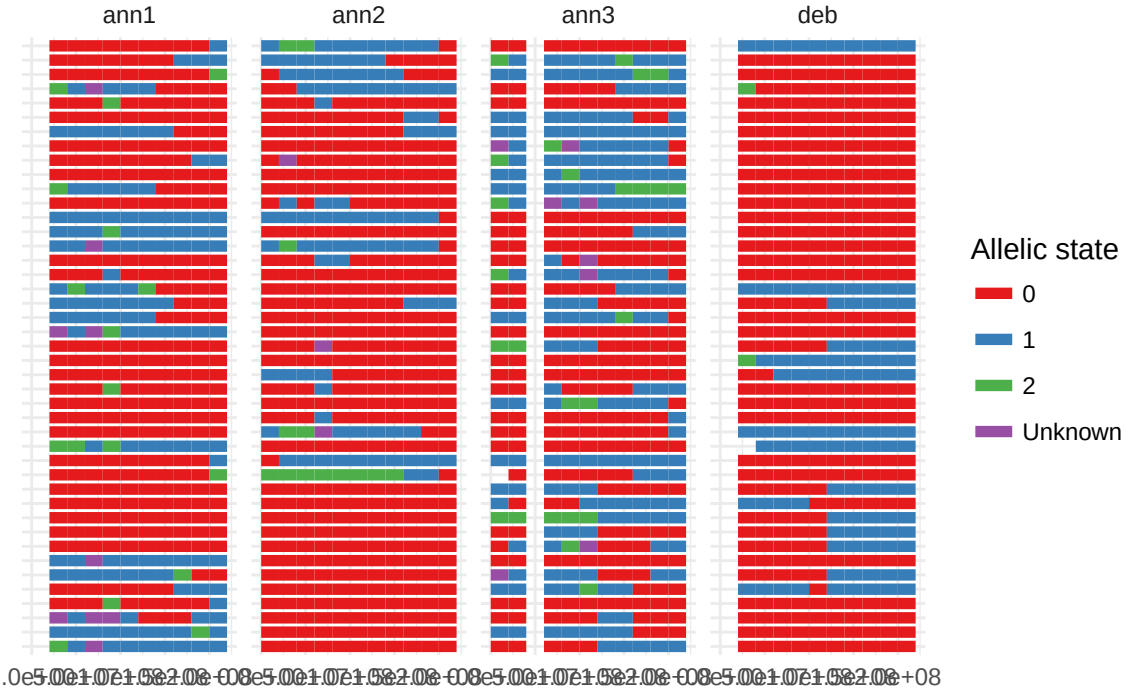

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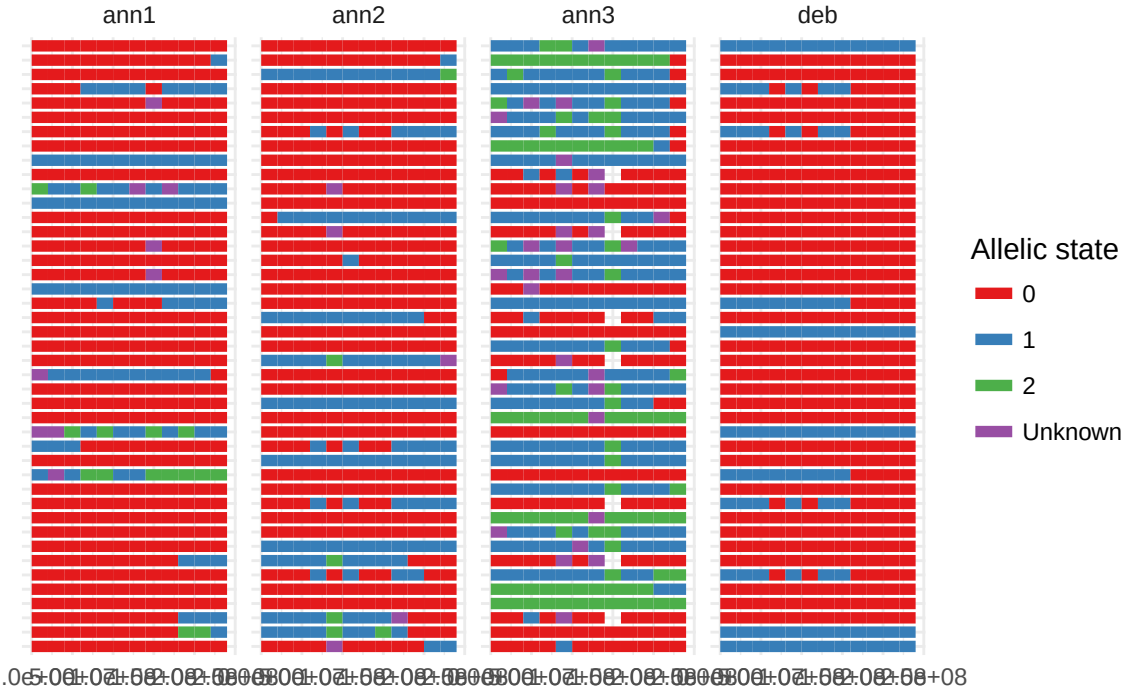
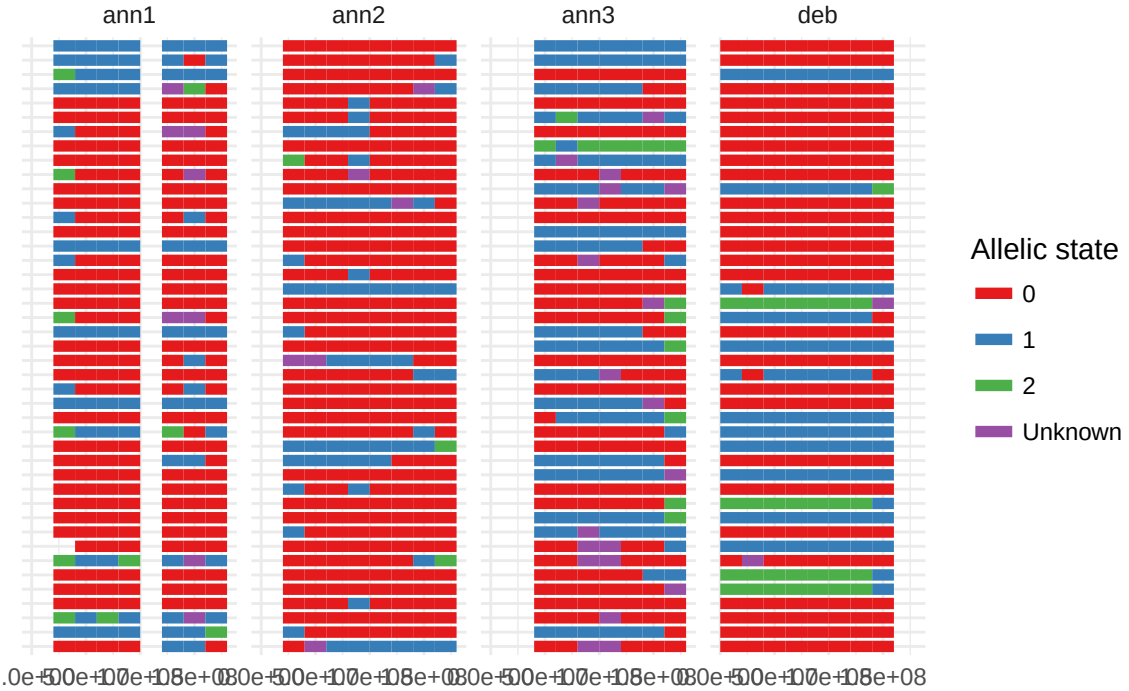


HCC 3 HanXRQChr11 10MB window



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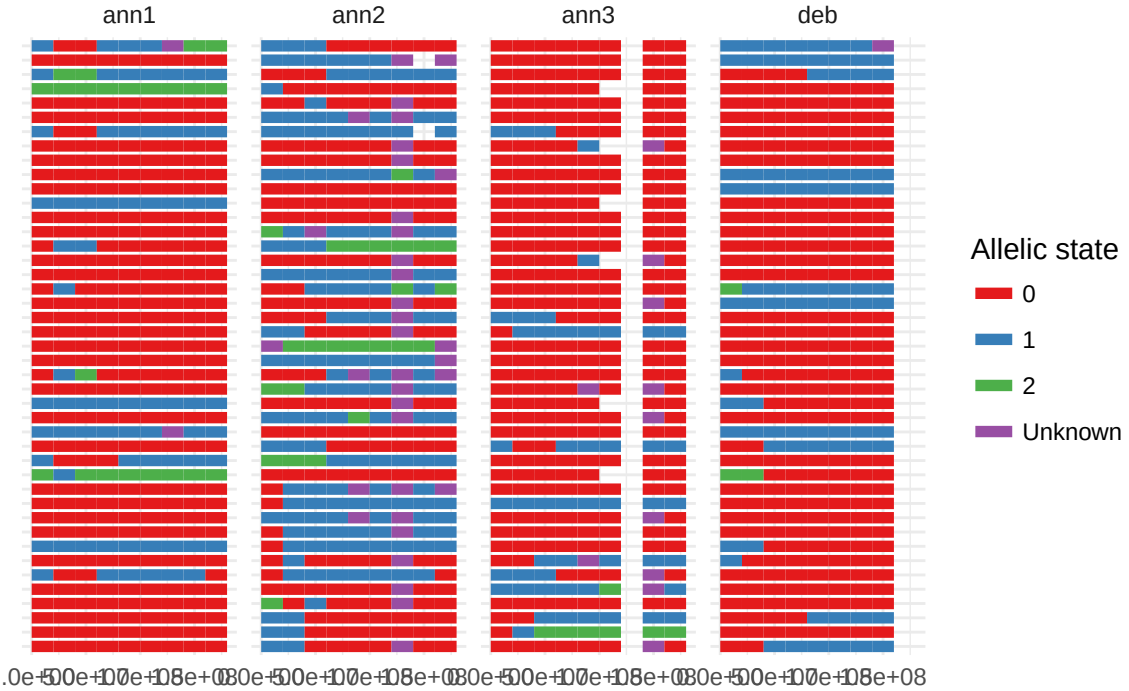
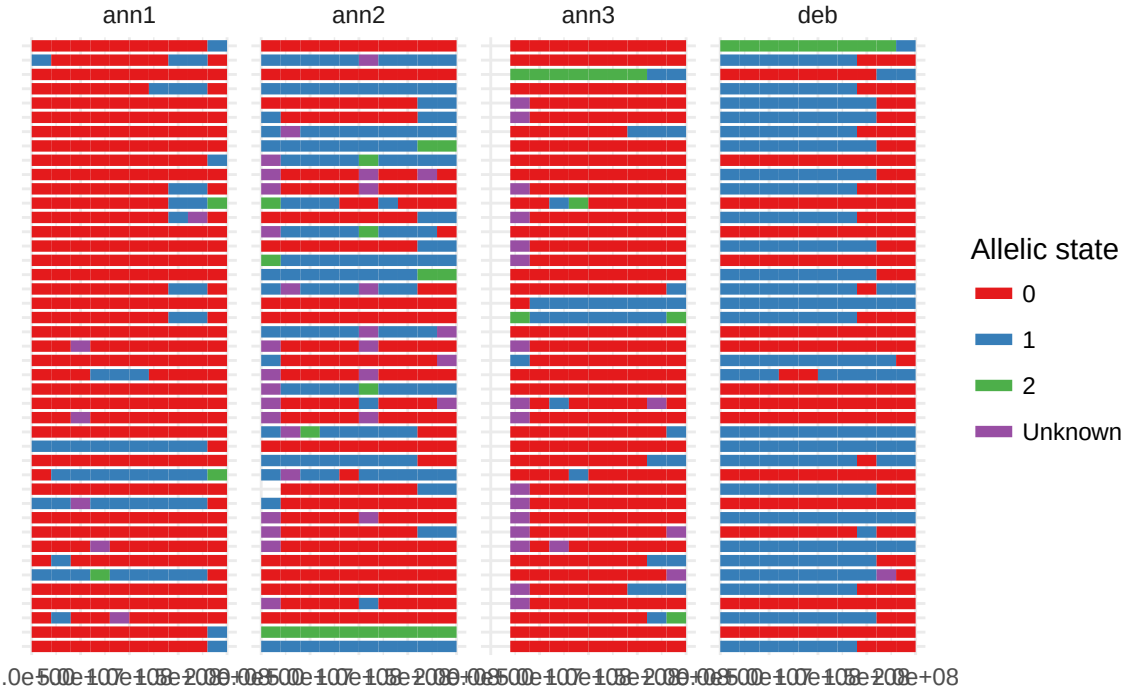


HCC 3 HanXRQChr13 10MB window



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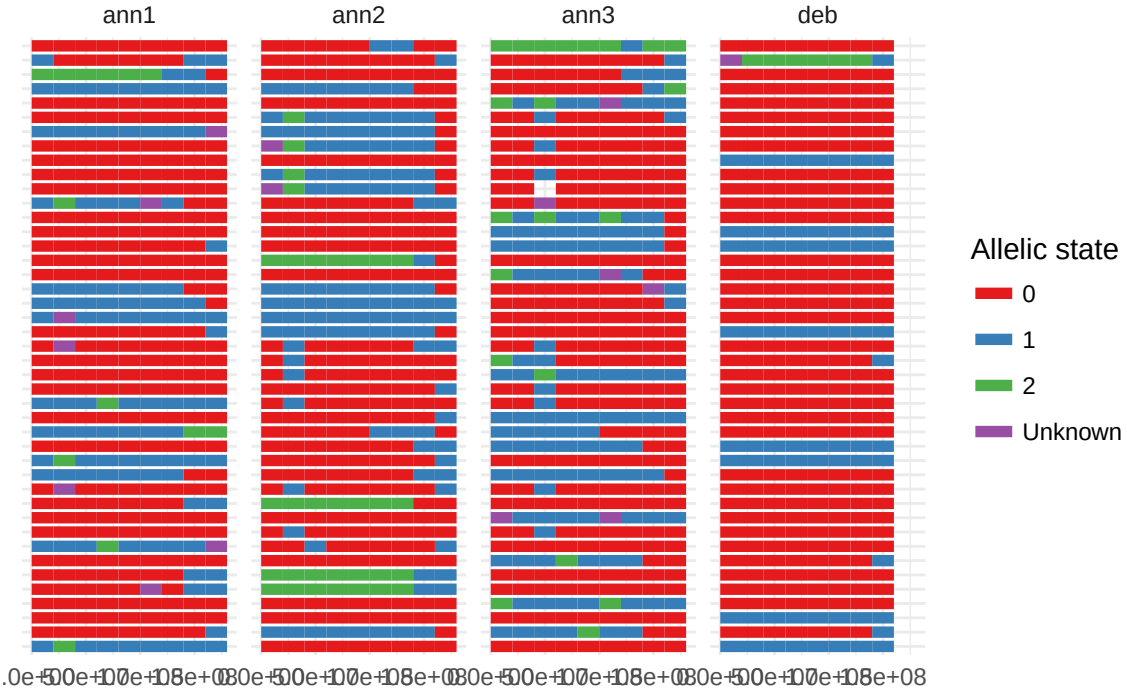

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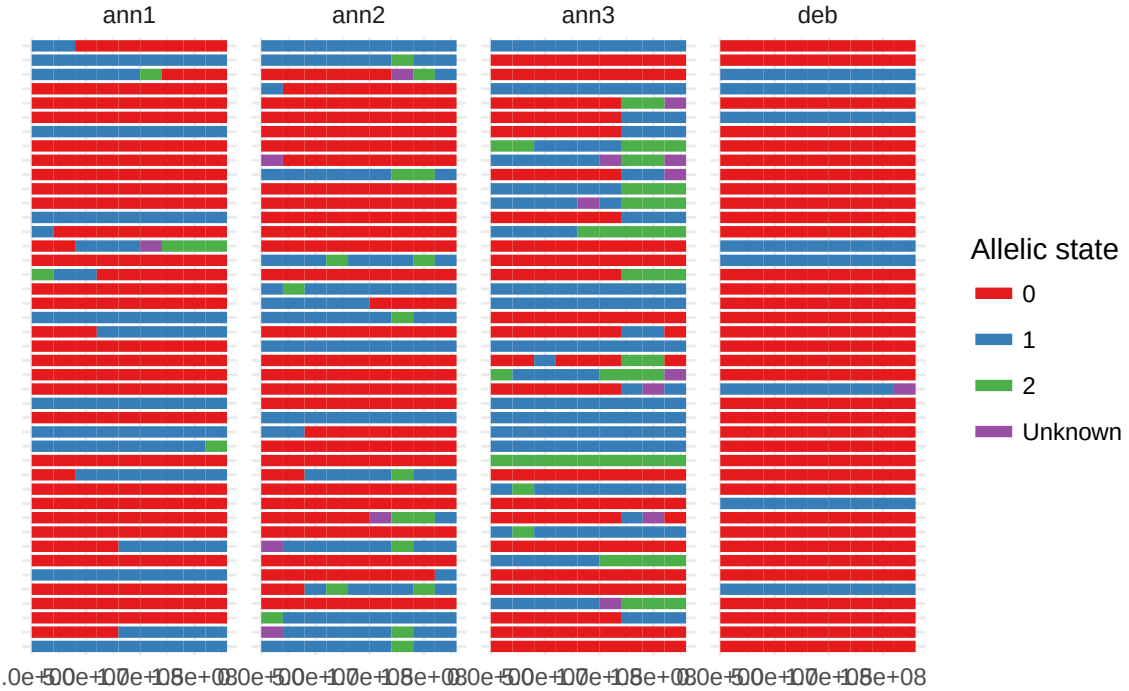

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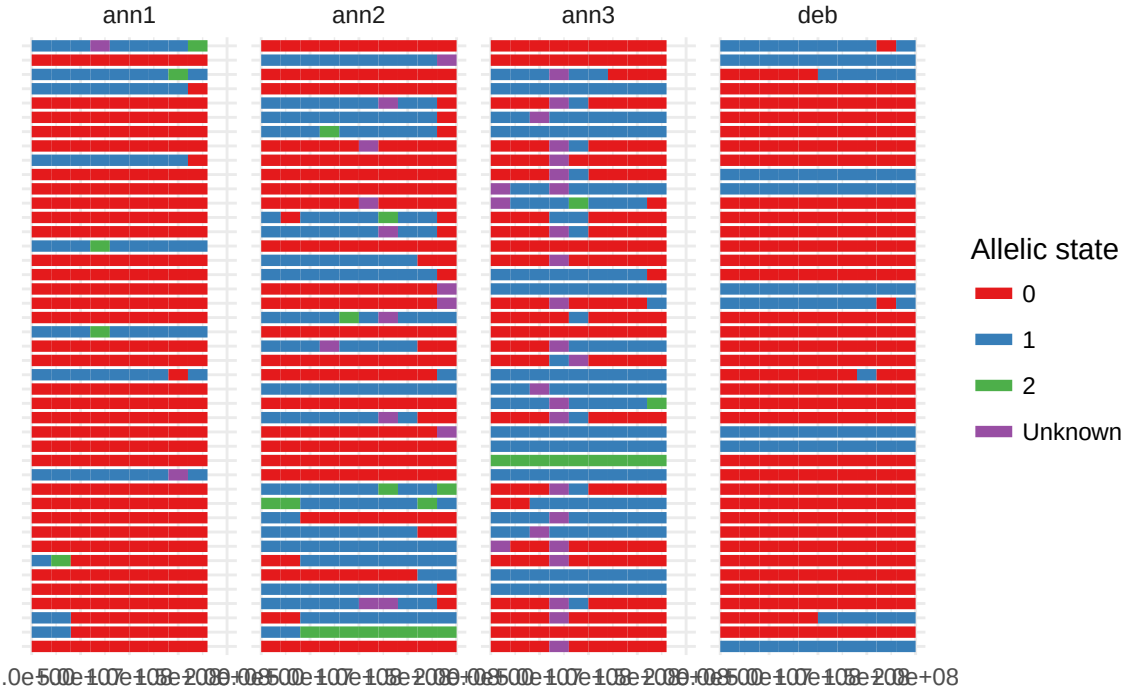
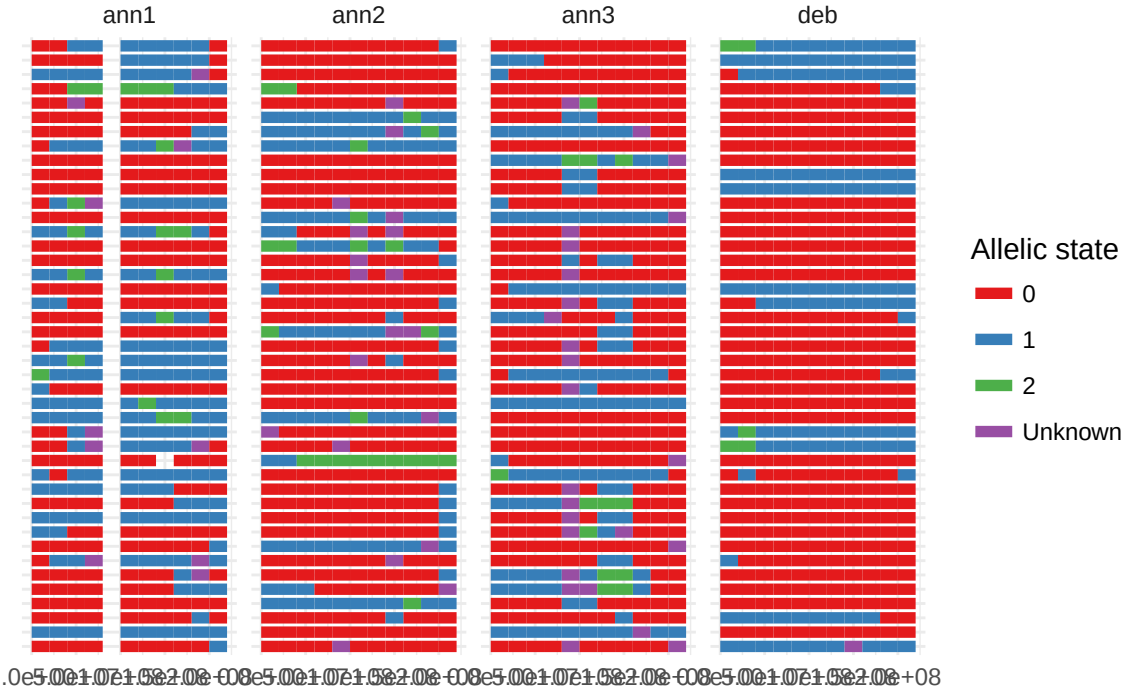
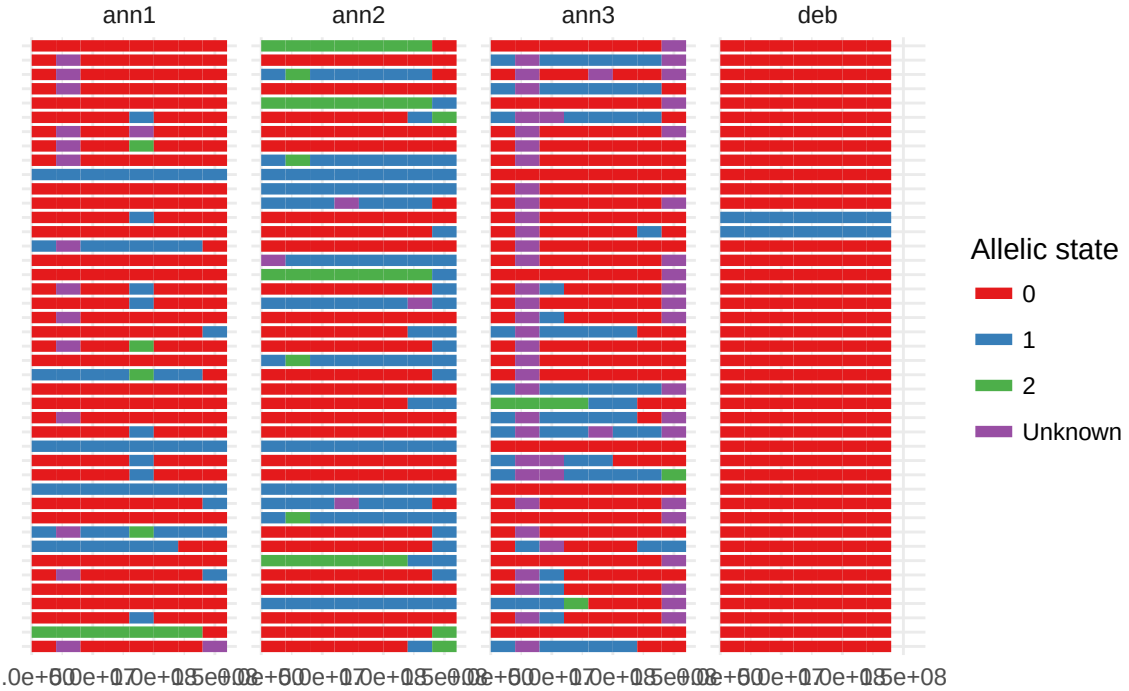


HCC 3 HanXRQChr17 10MB window



HCC 4 HanXRQChr01 10MB window



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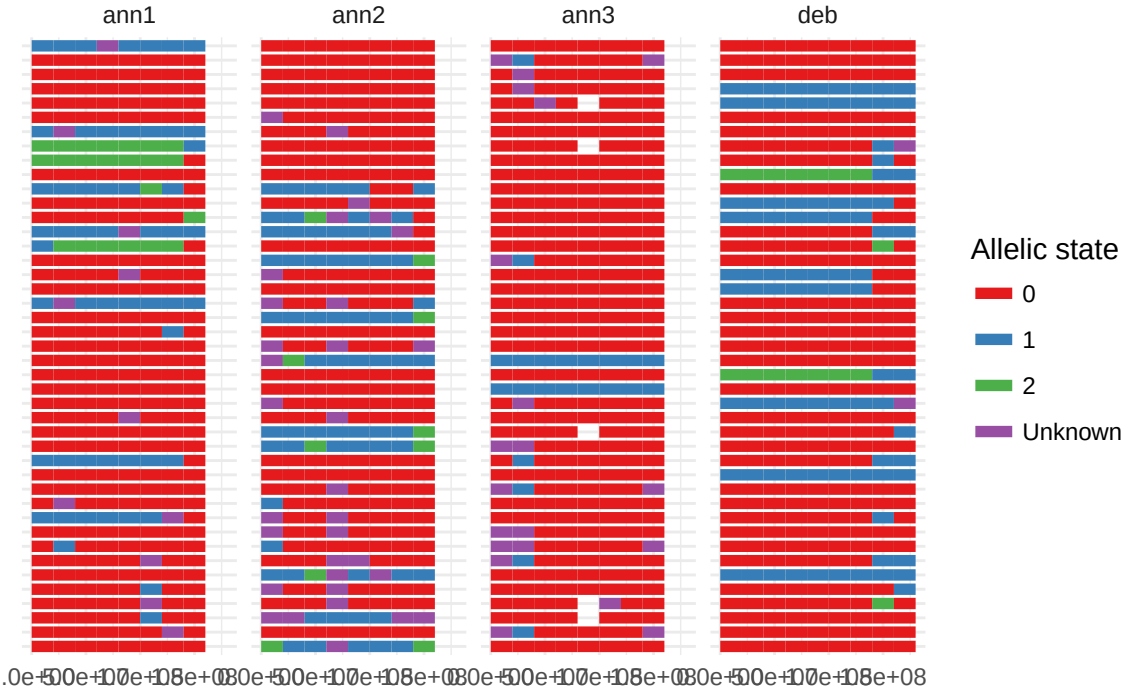

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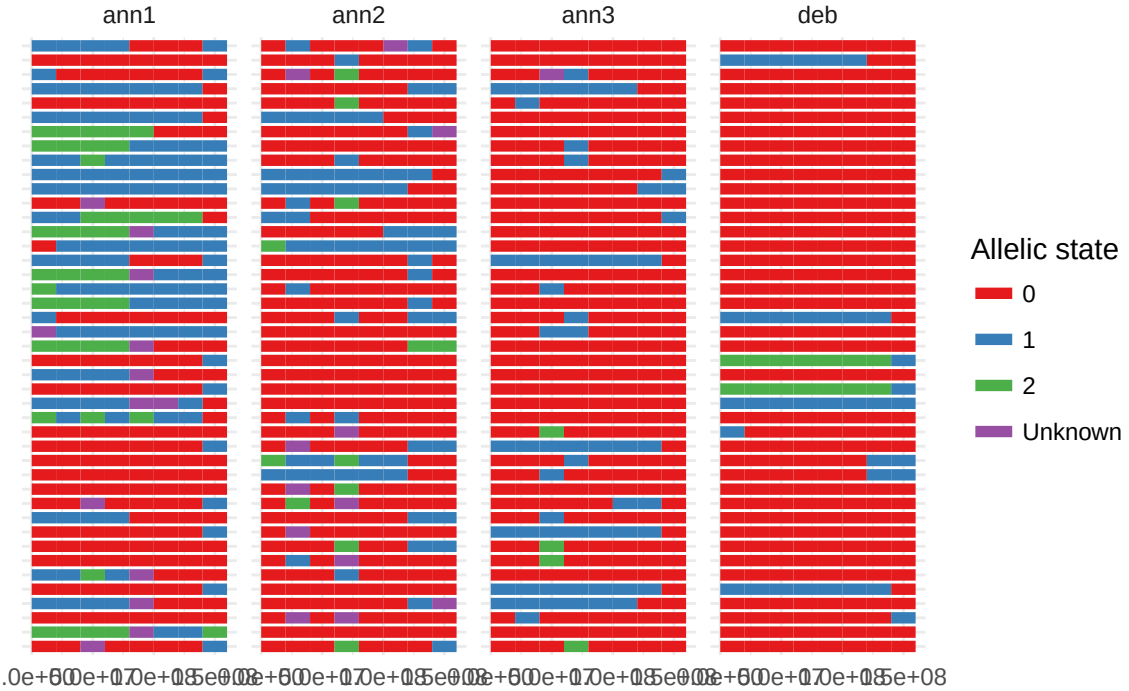

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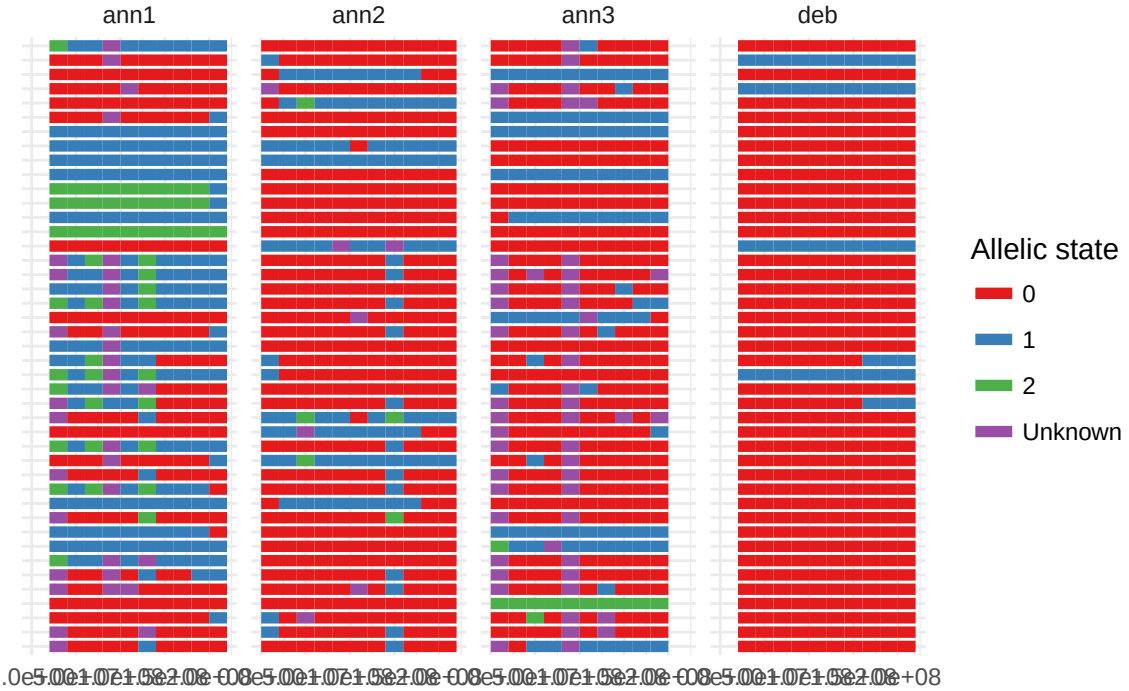

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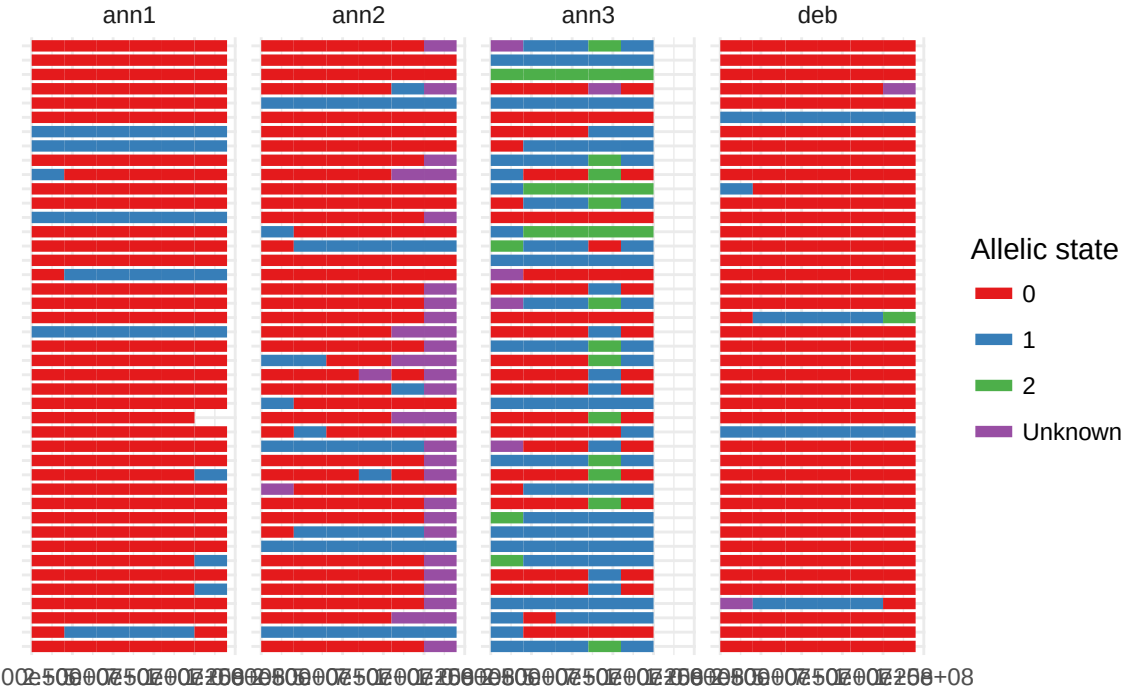

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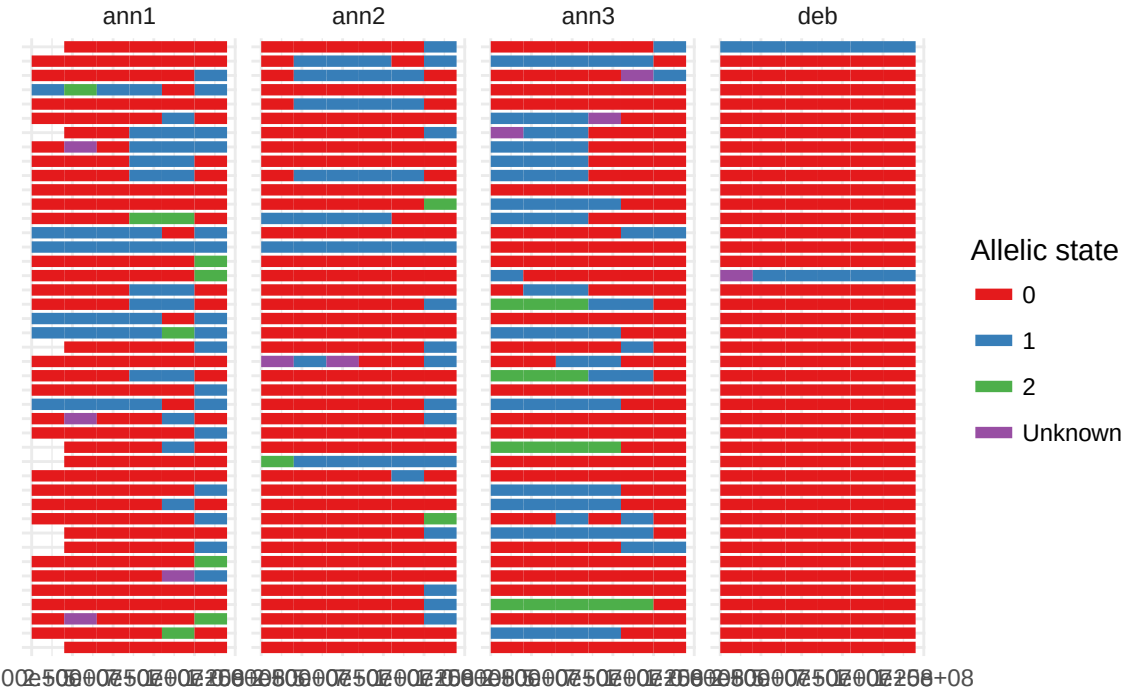

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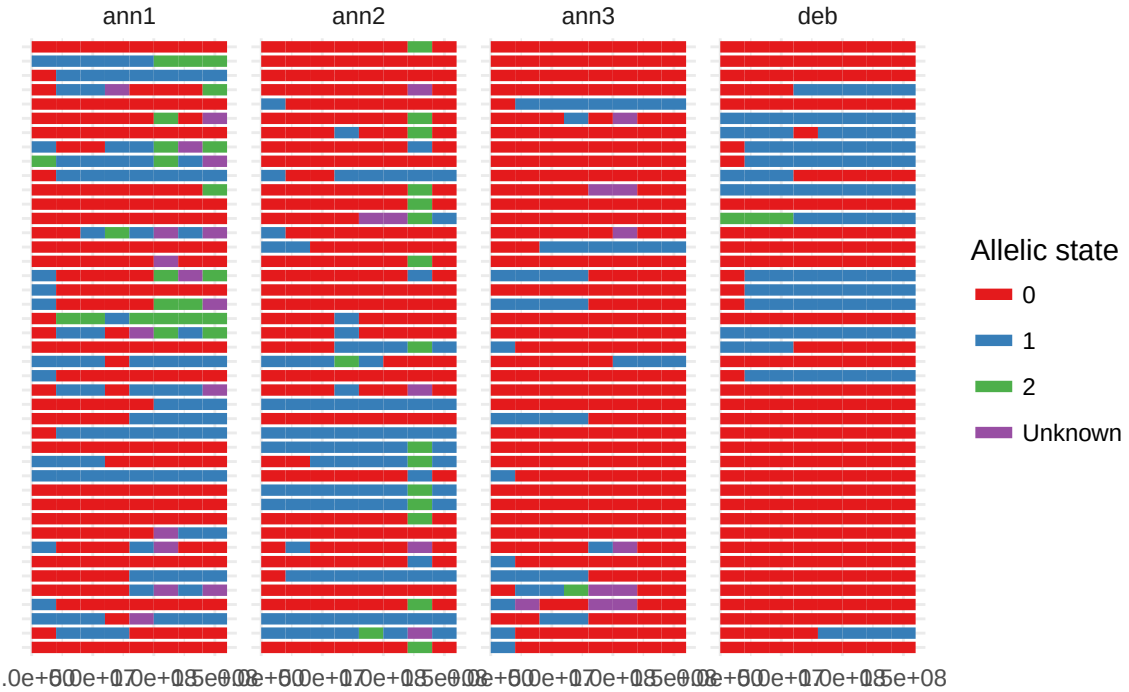

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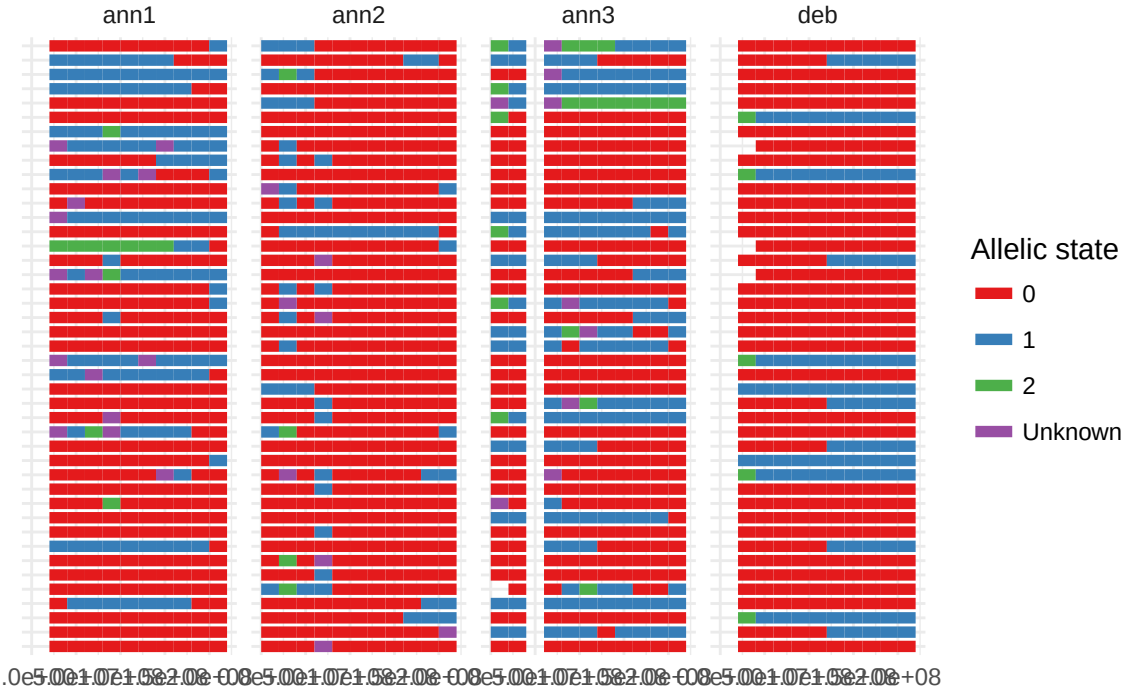

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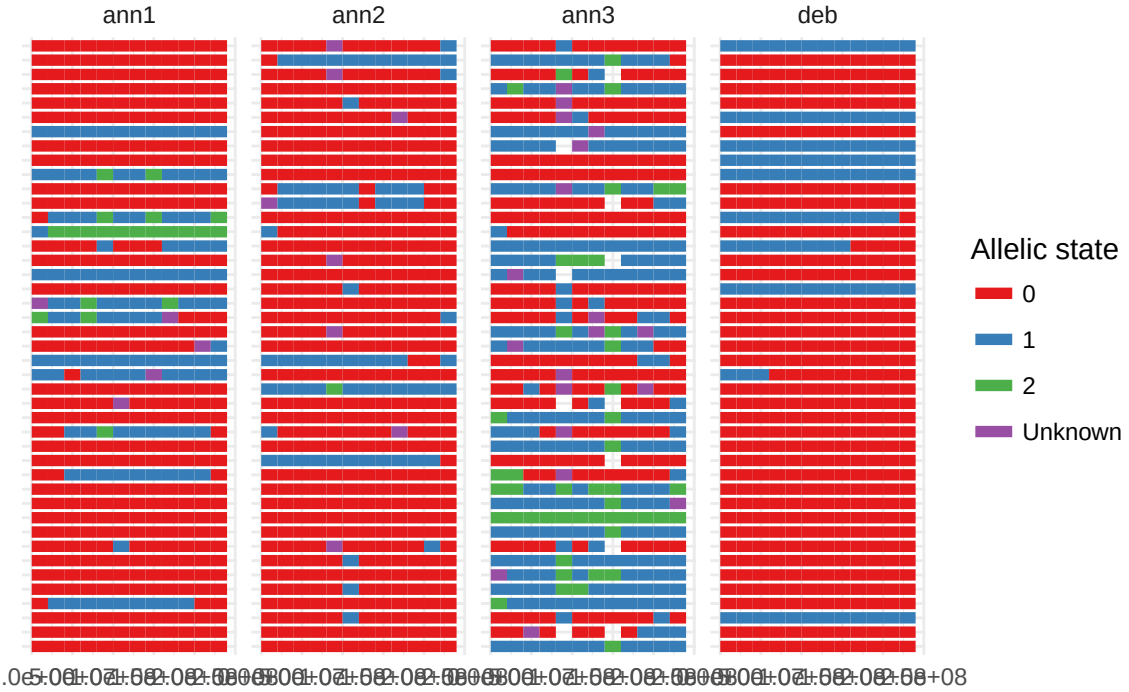

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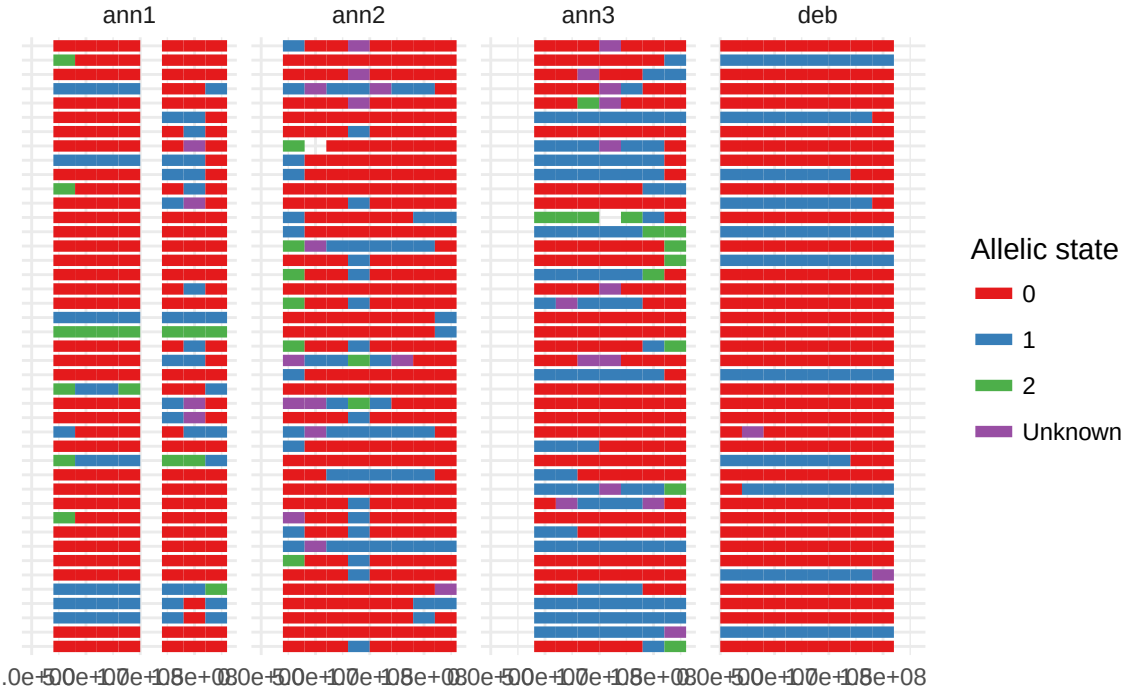

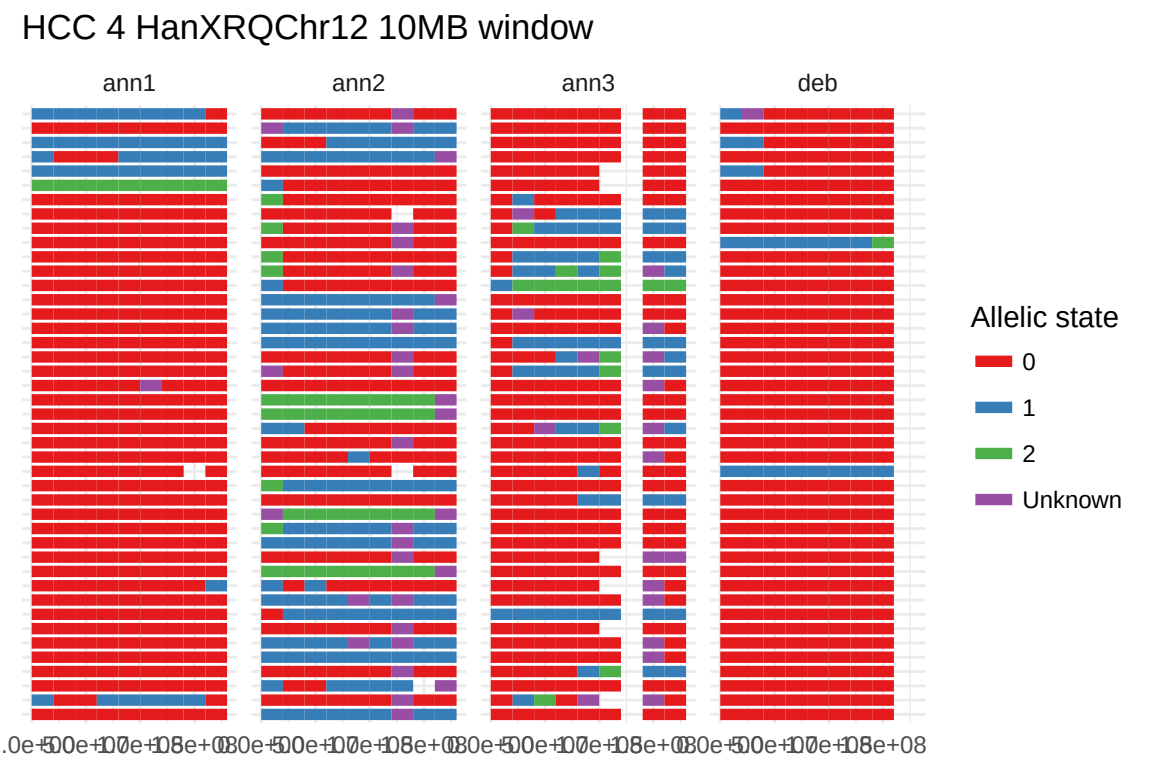
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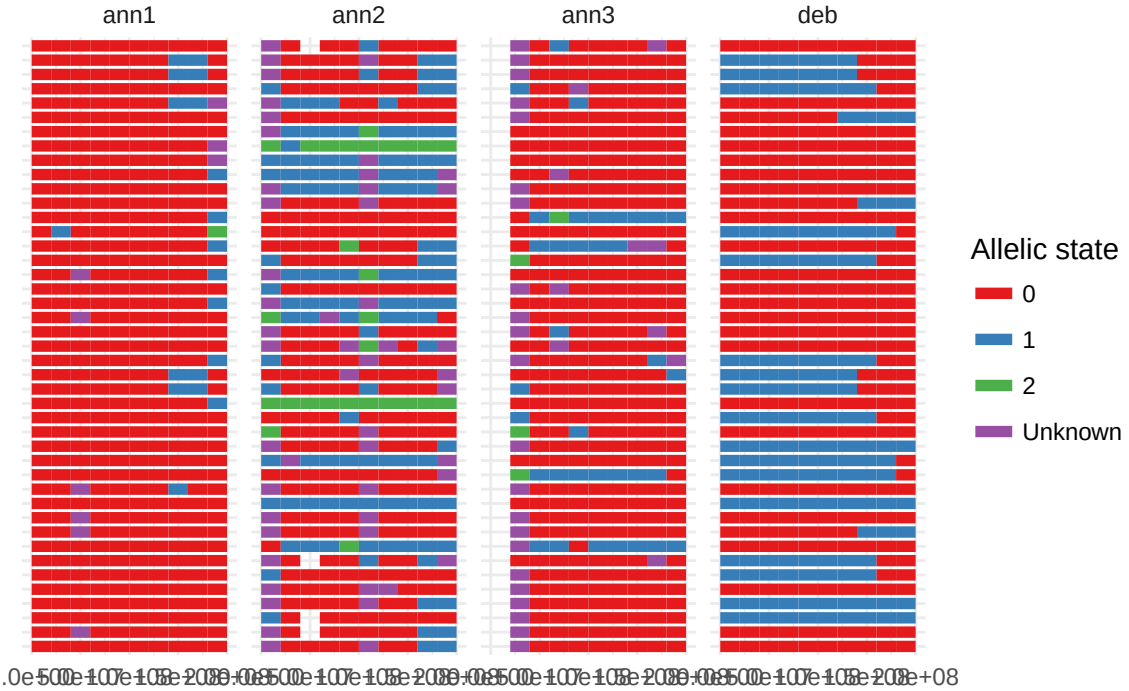

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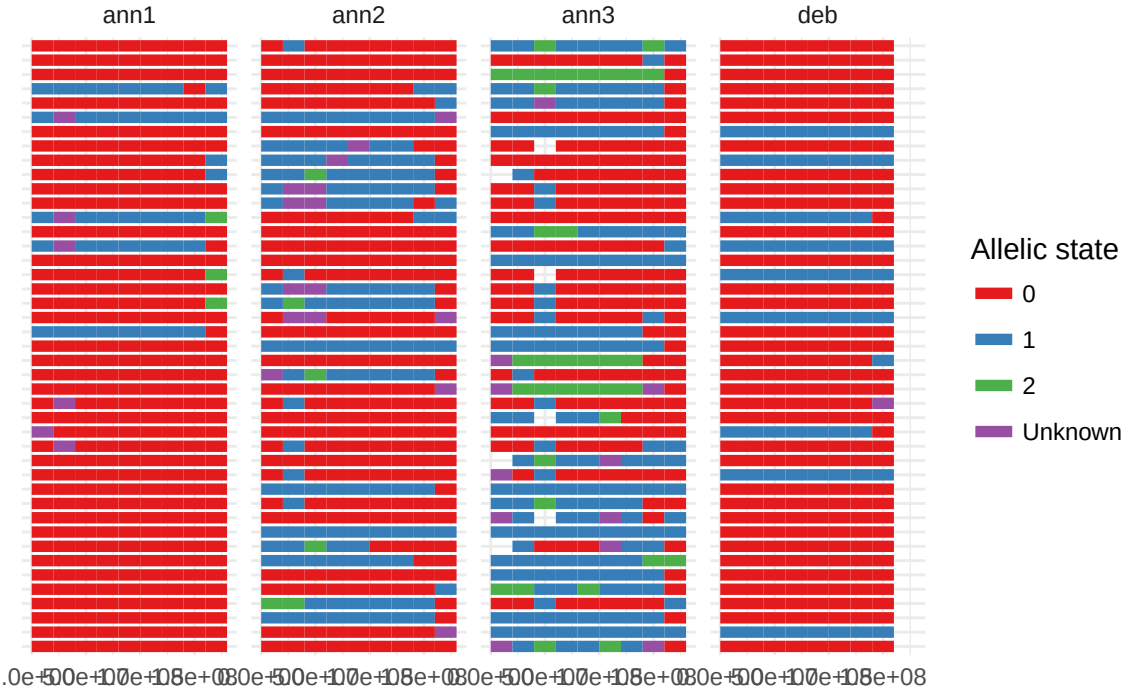

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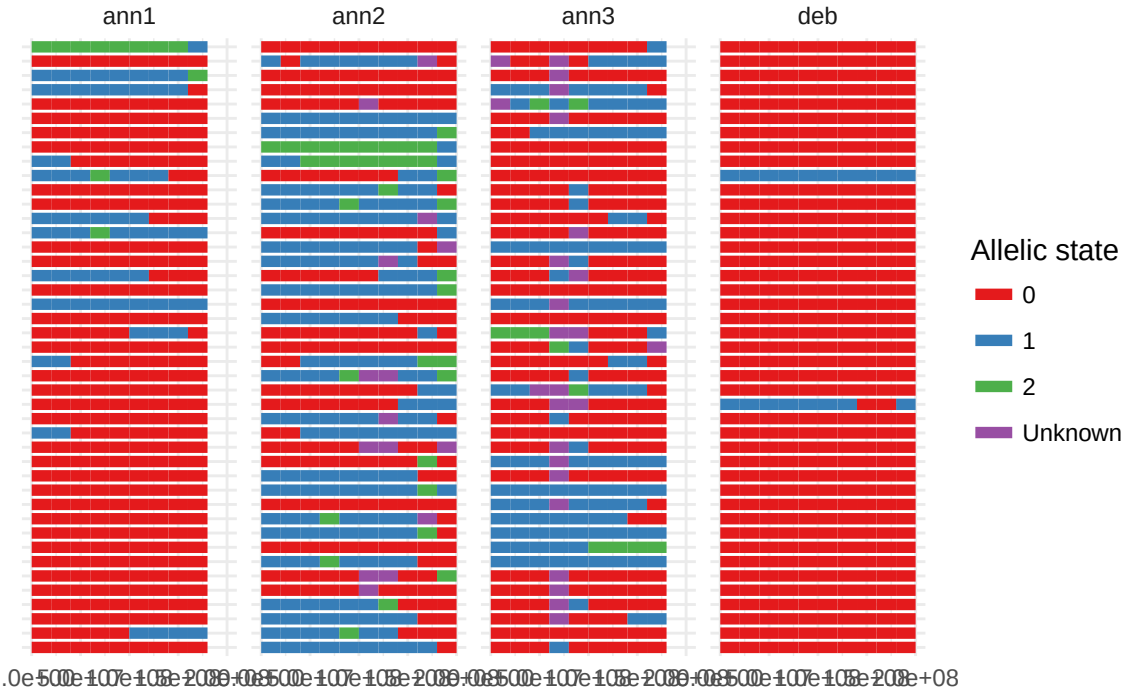

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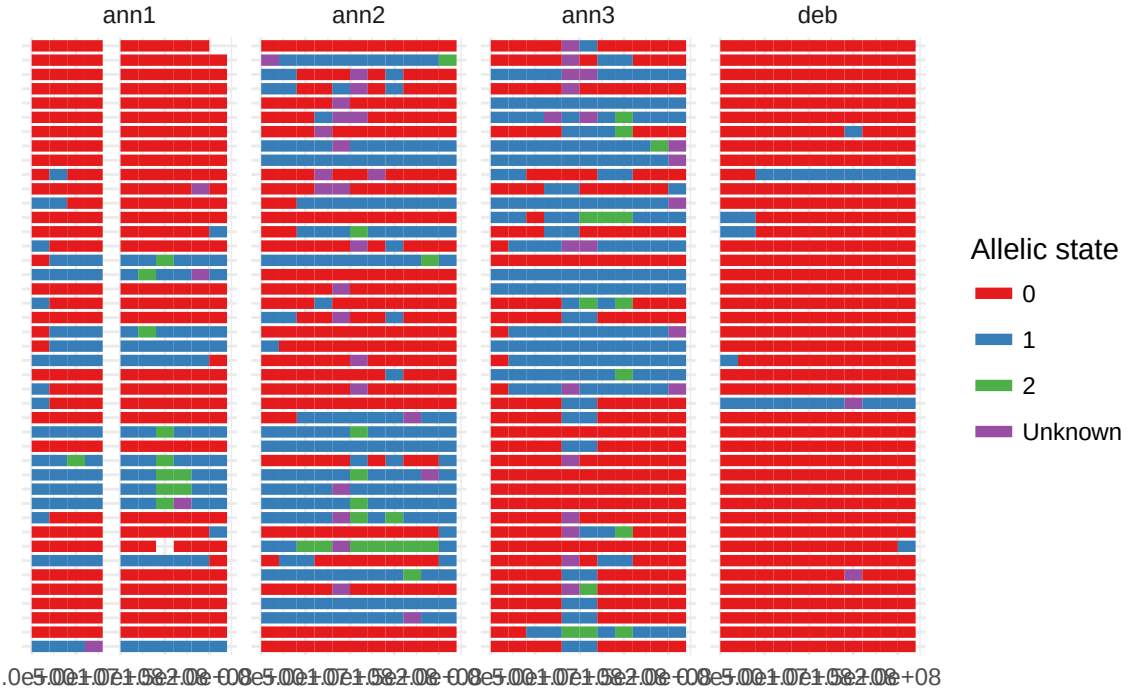

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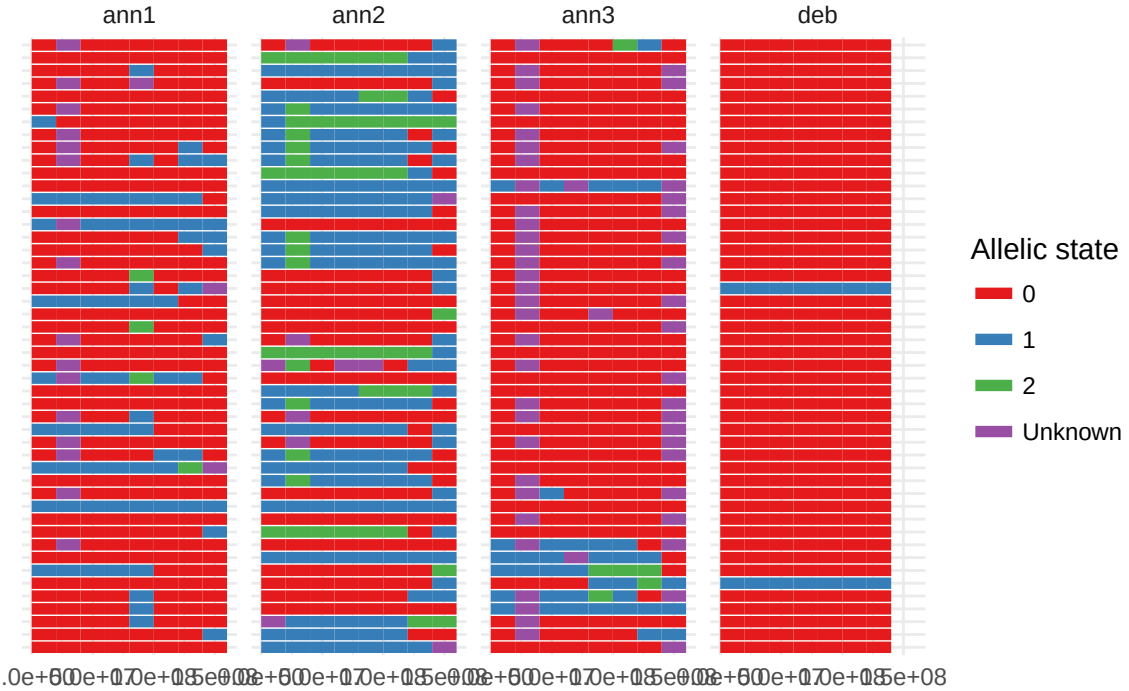

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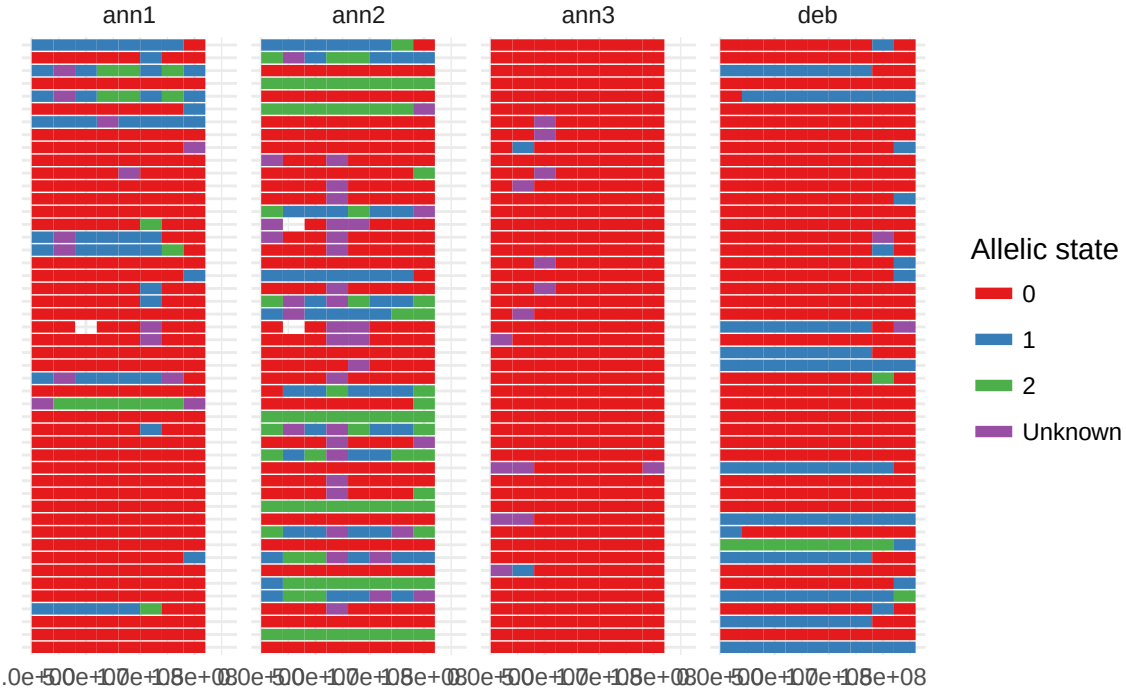

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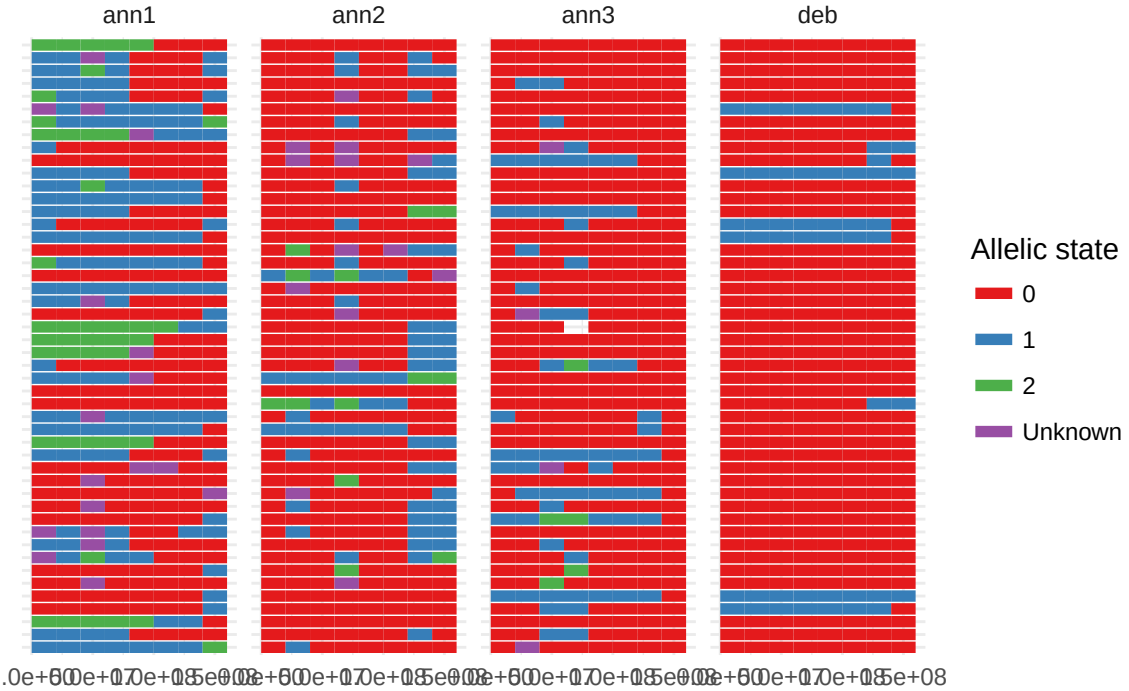

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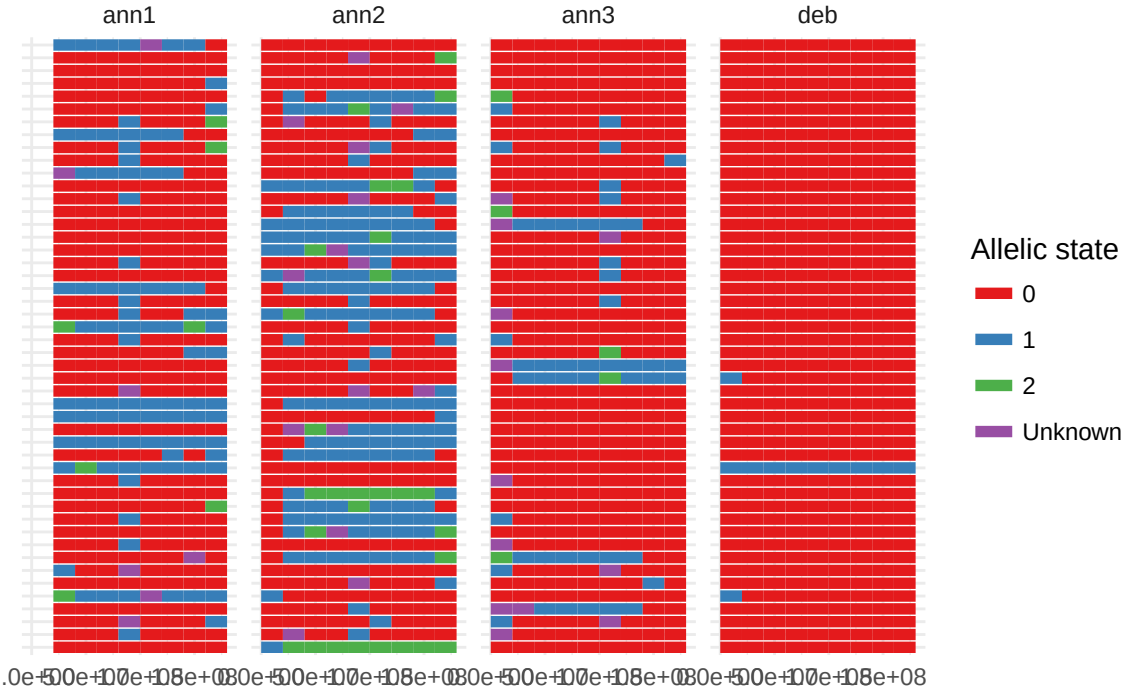

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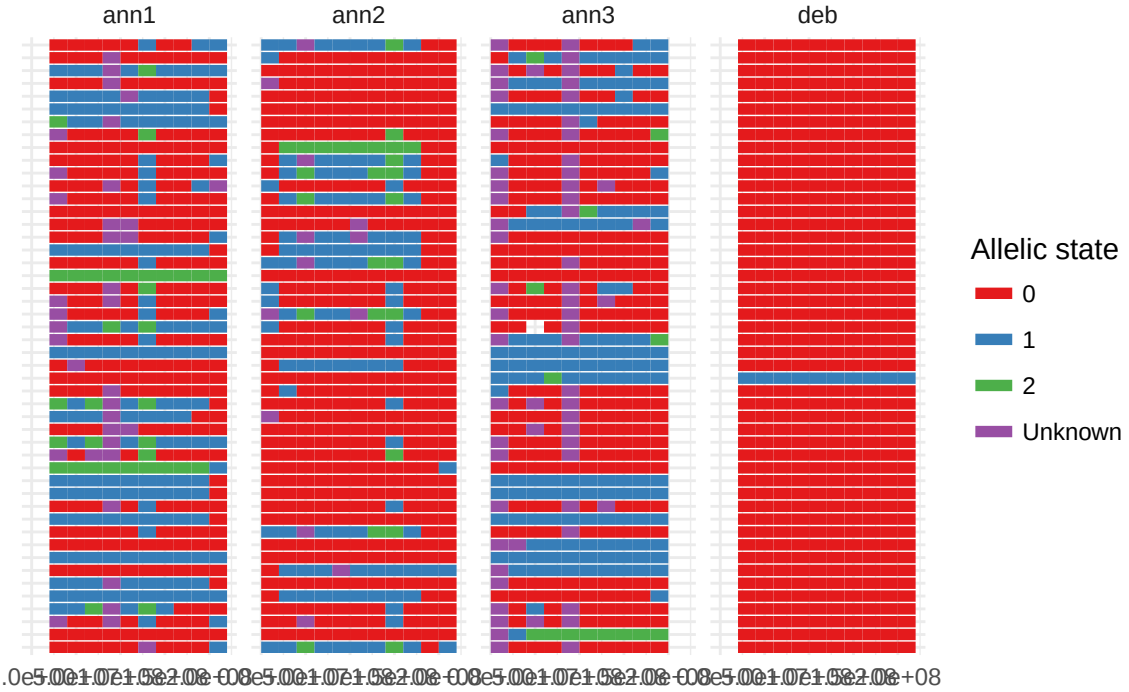

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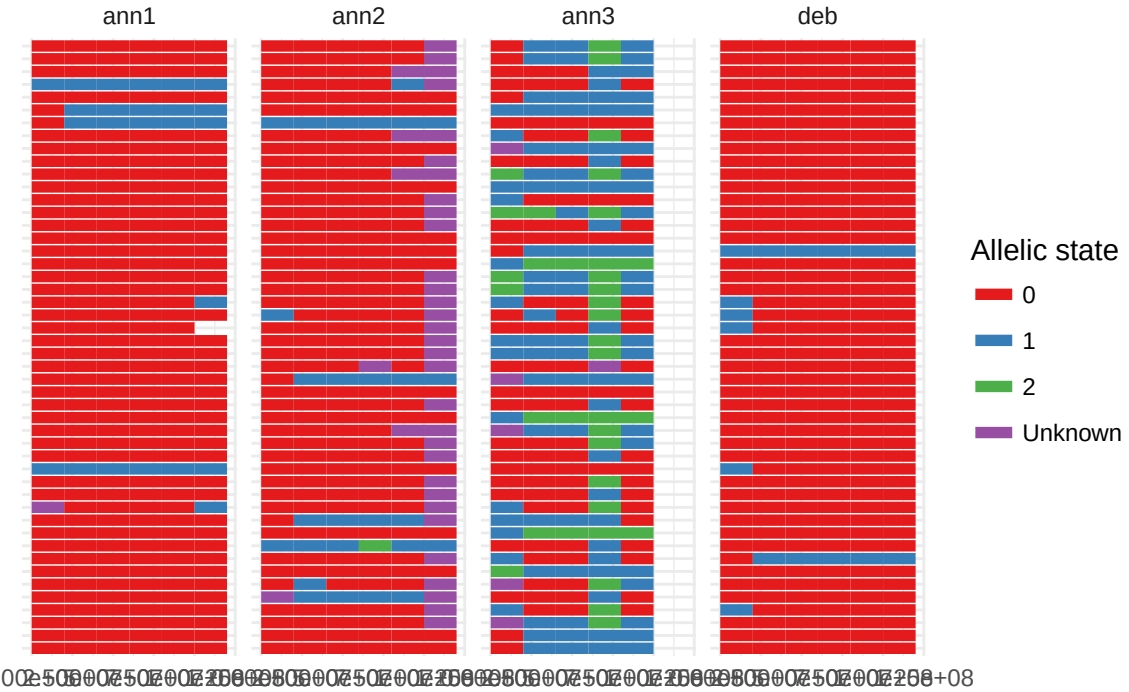

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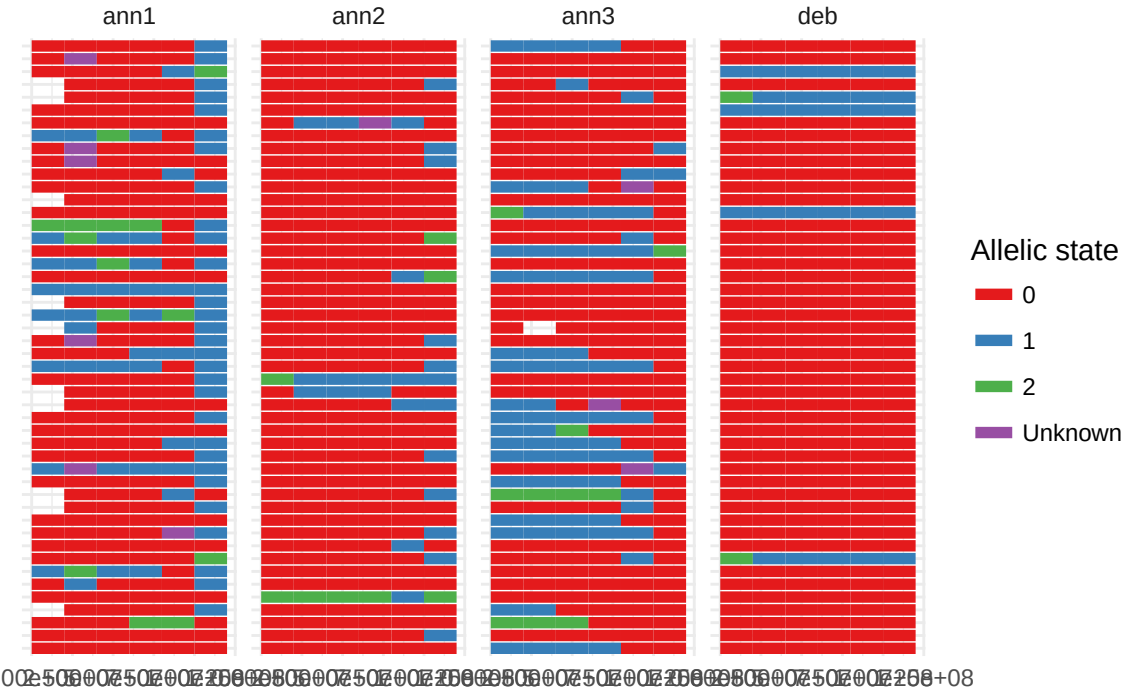

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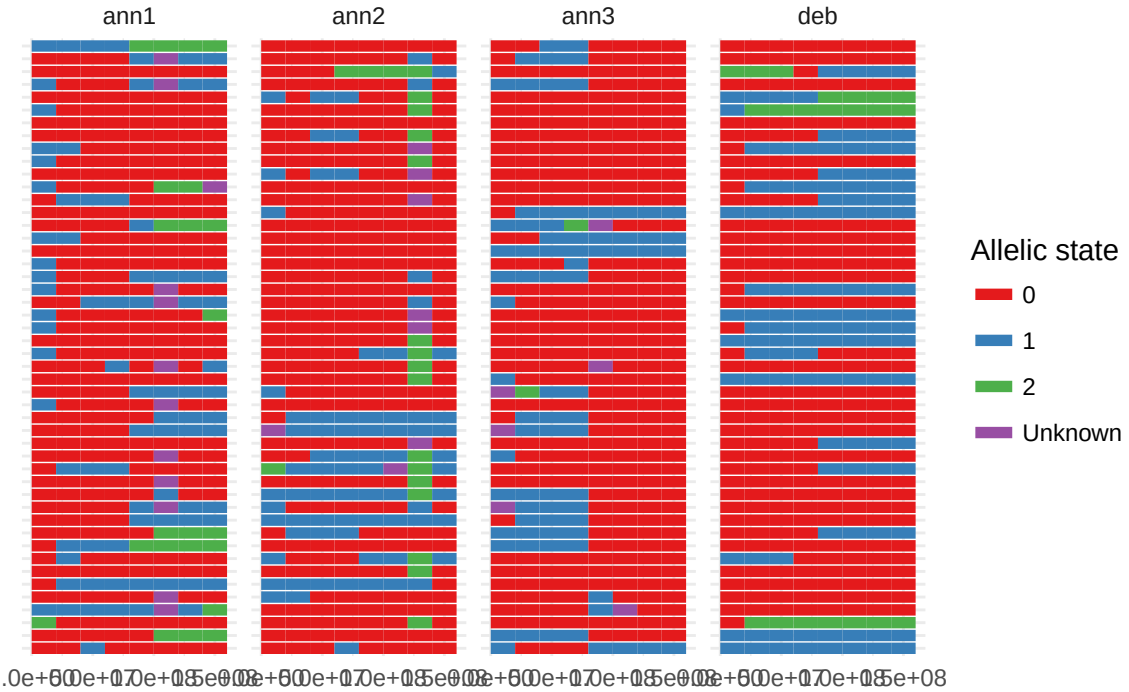

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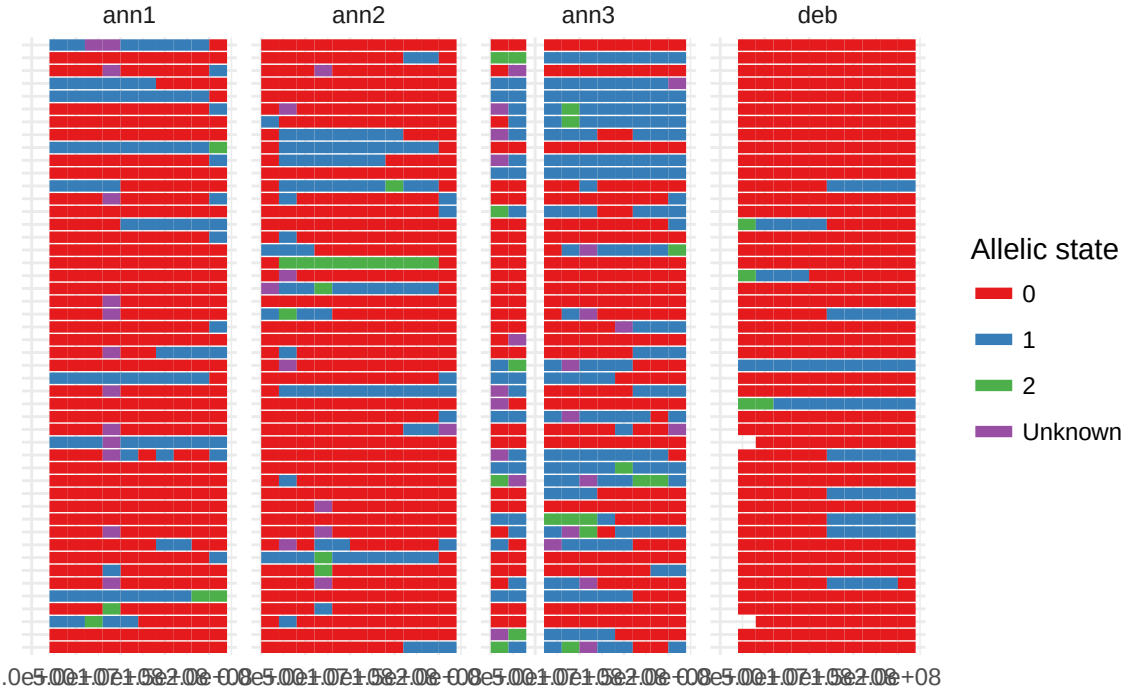

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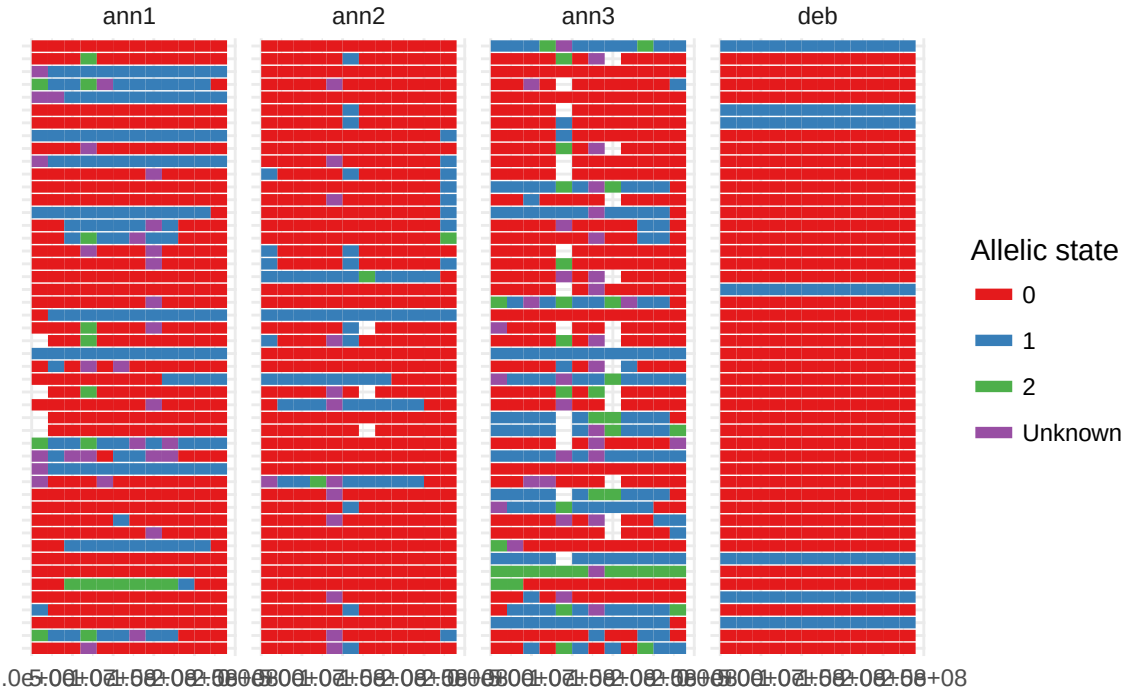

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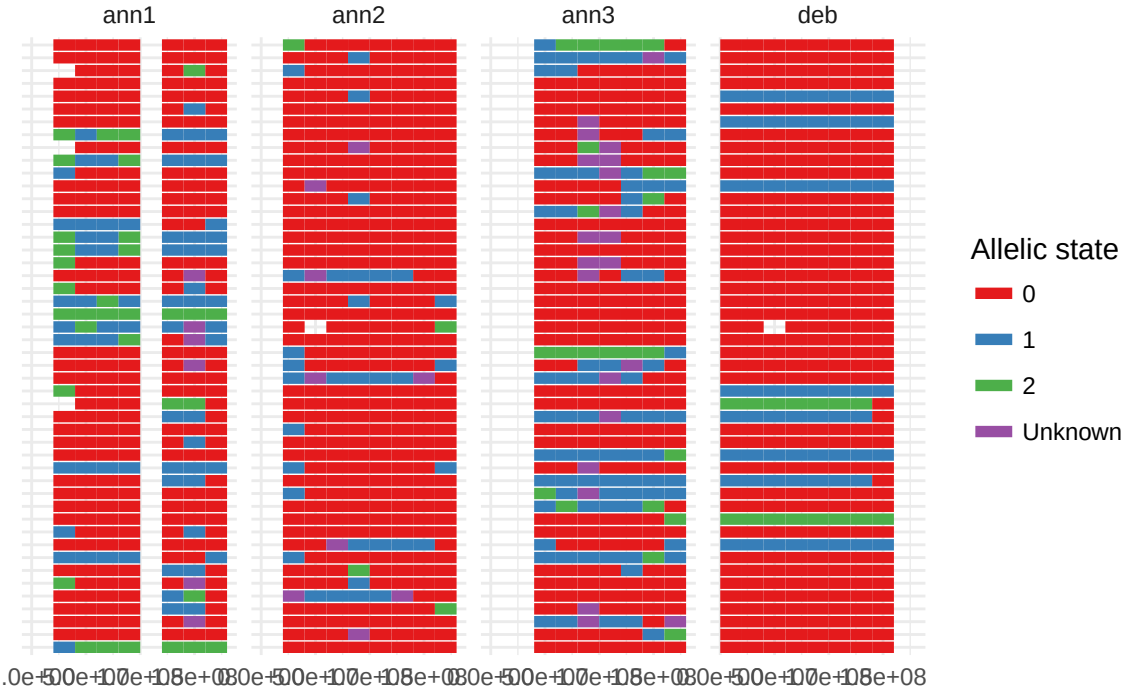

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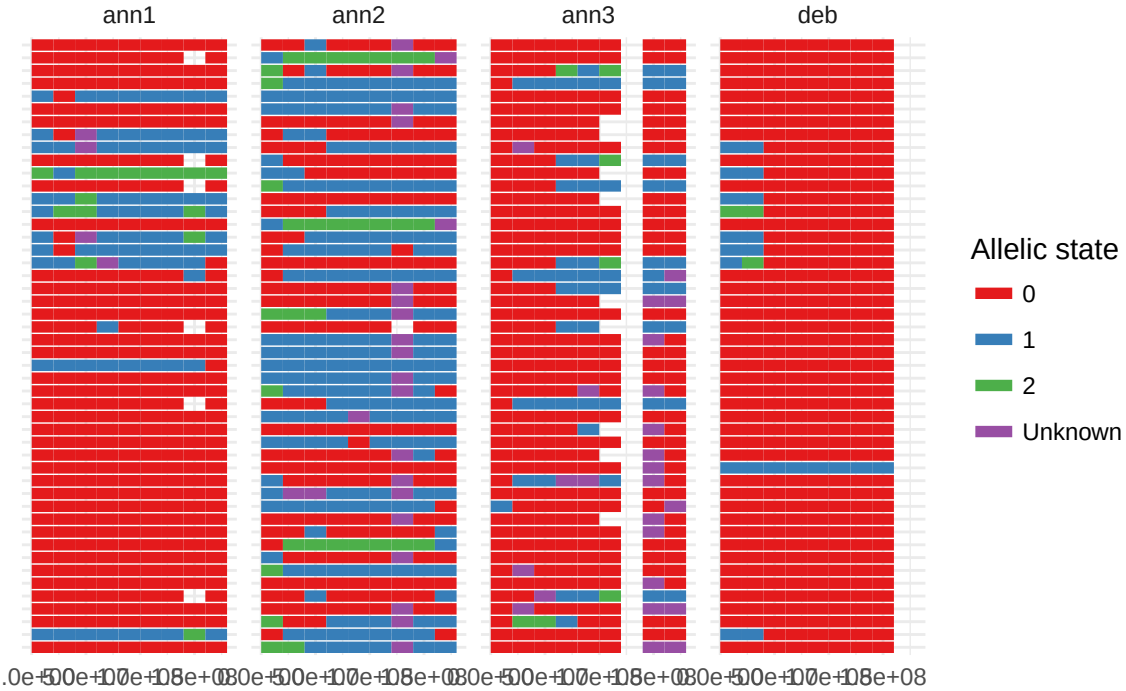

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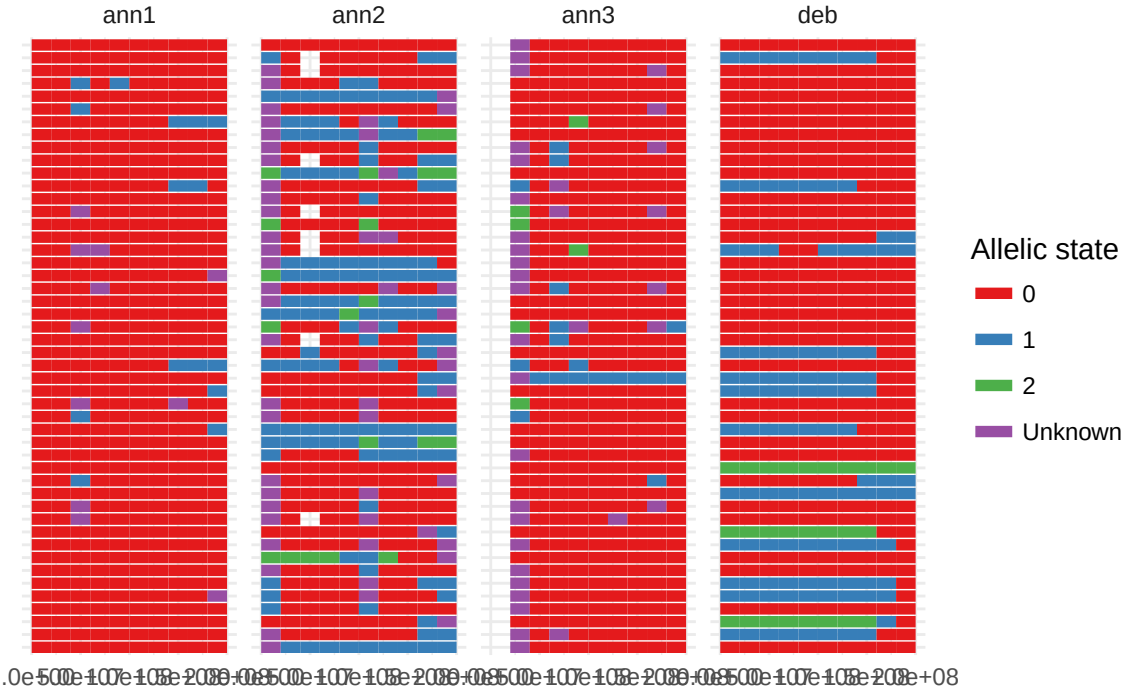

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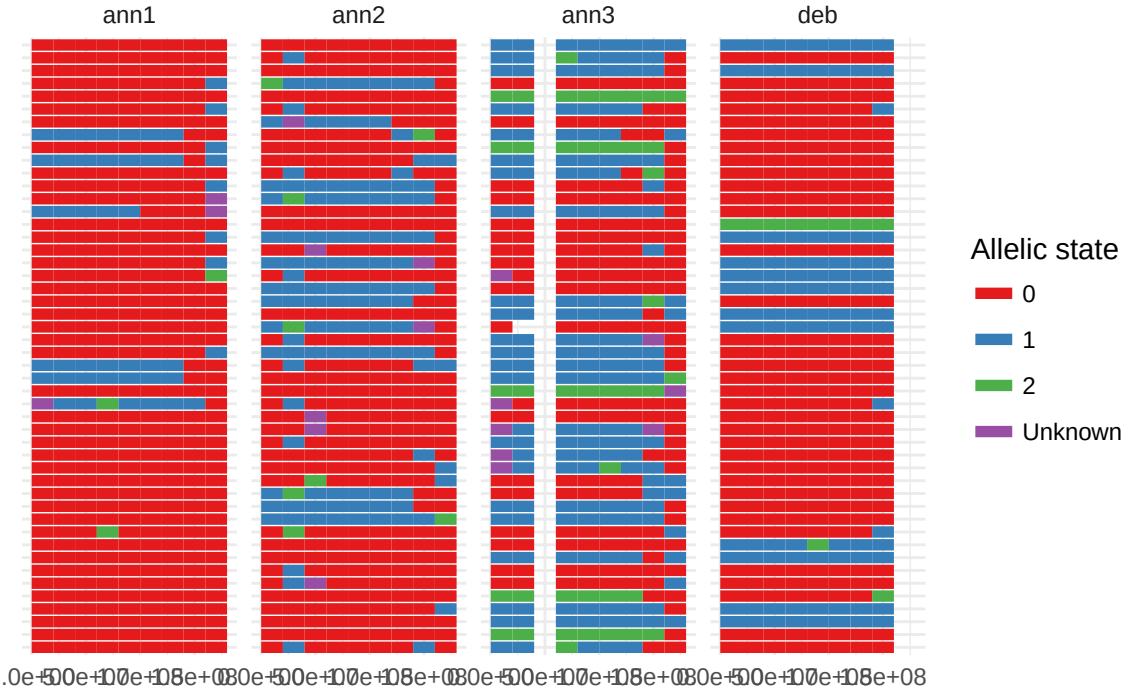

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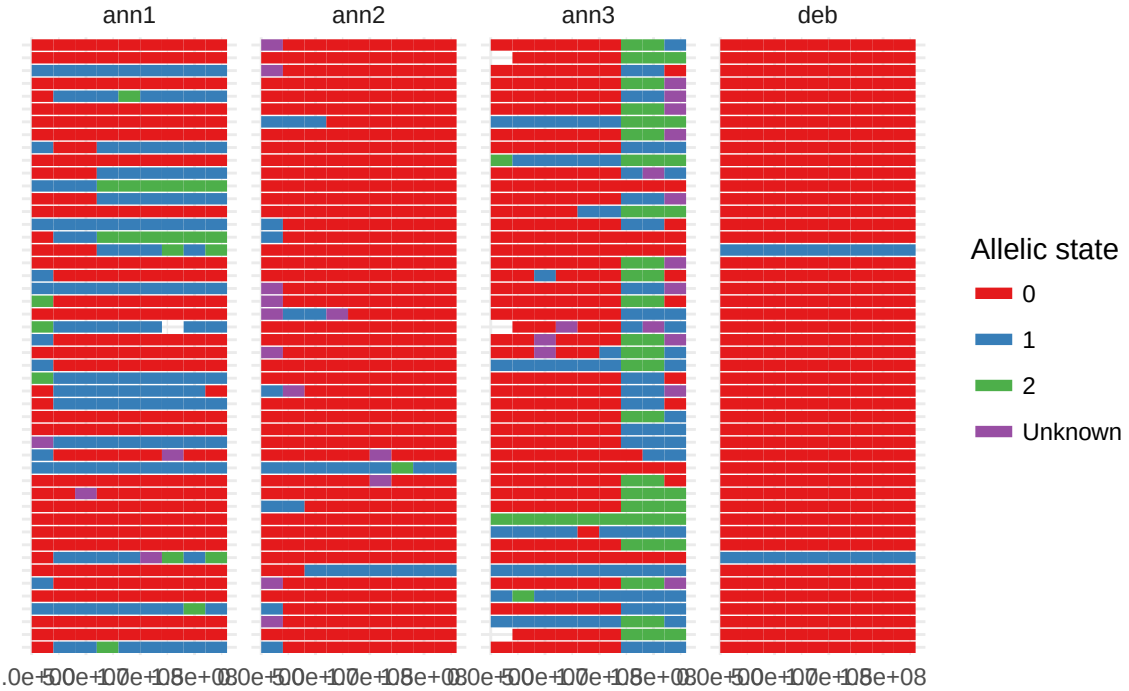

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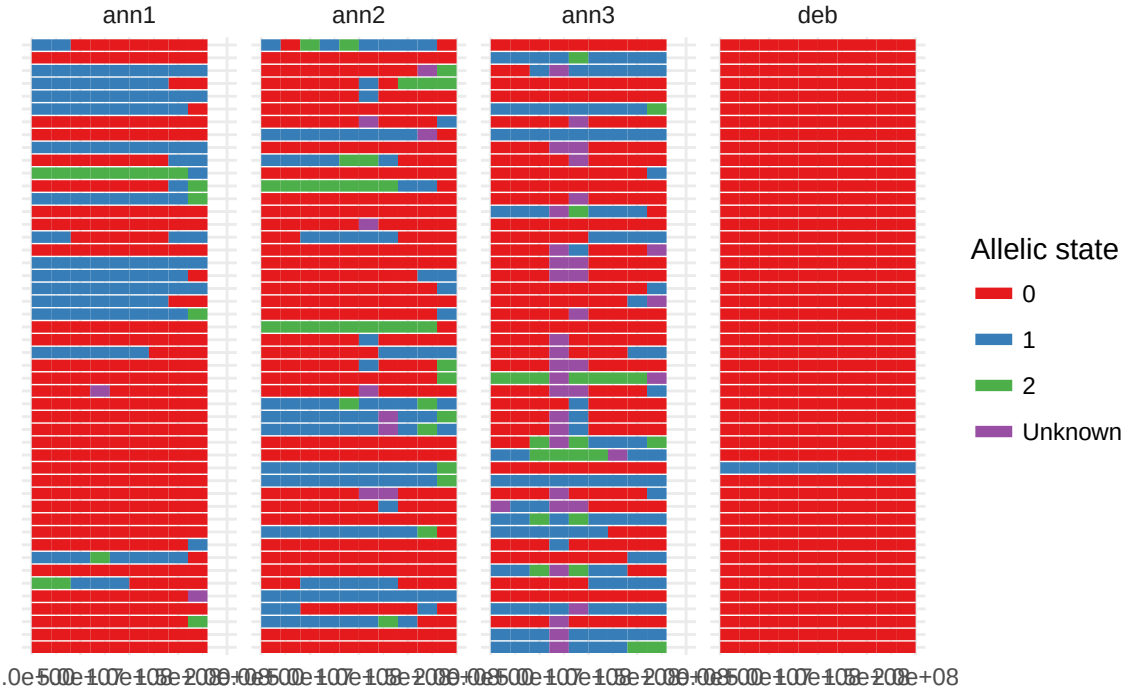

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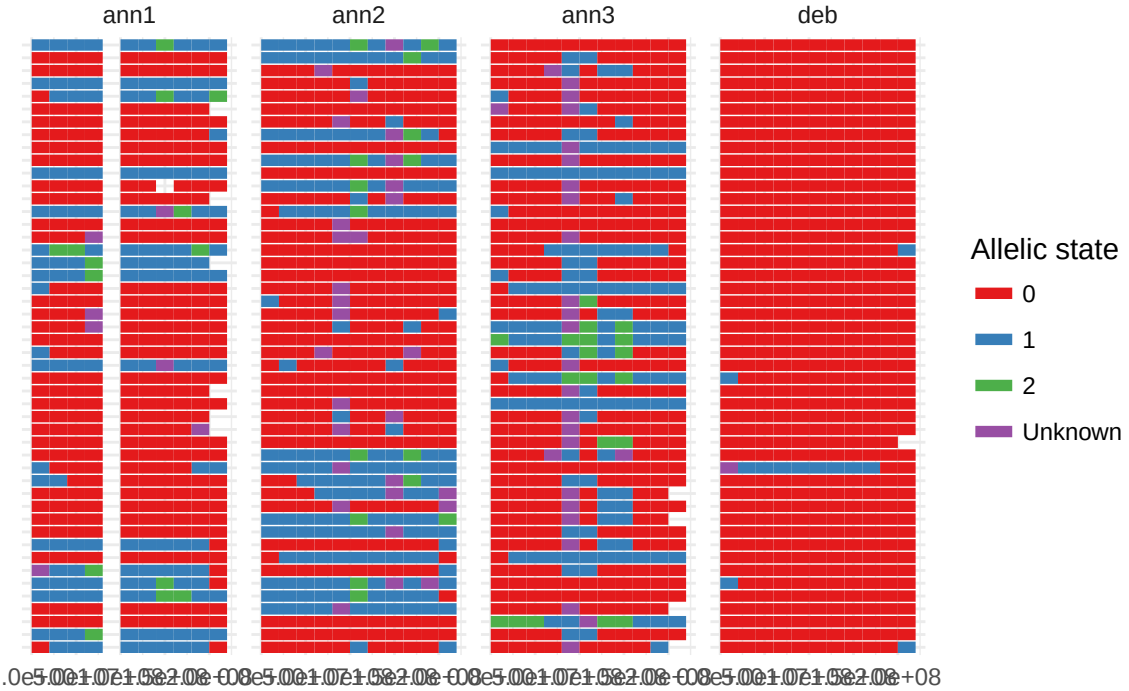

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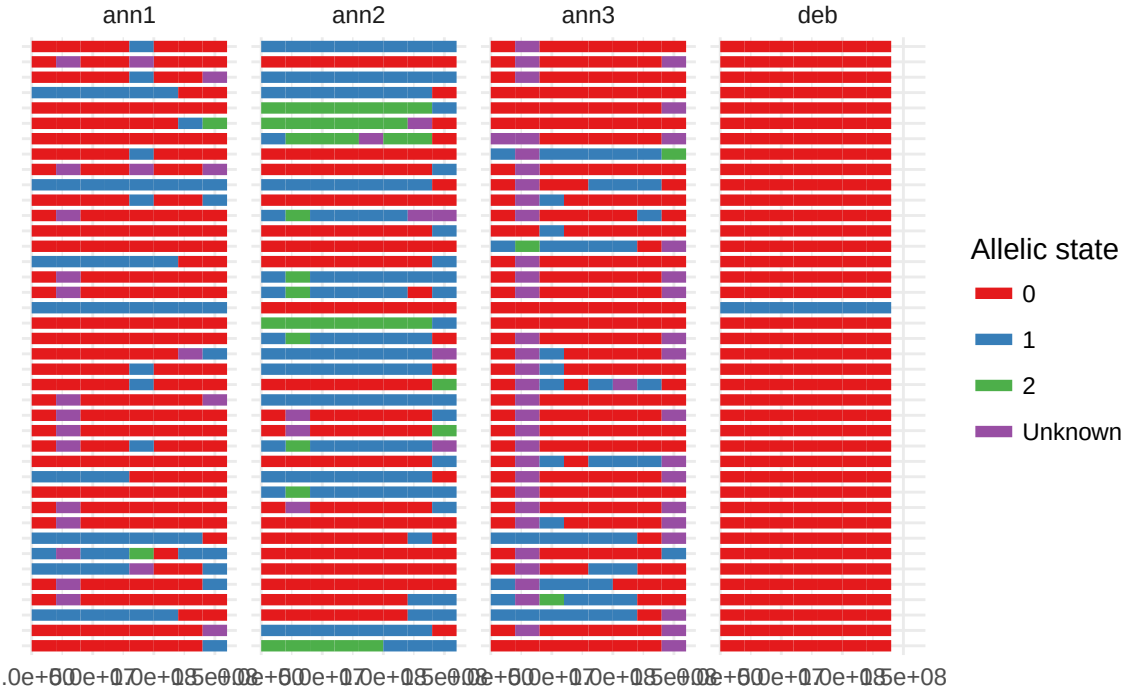

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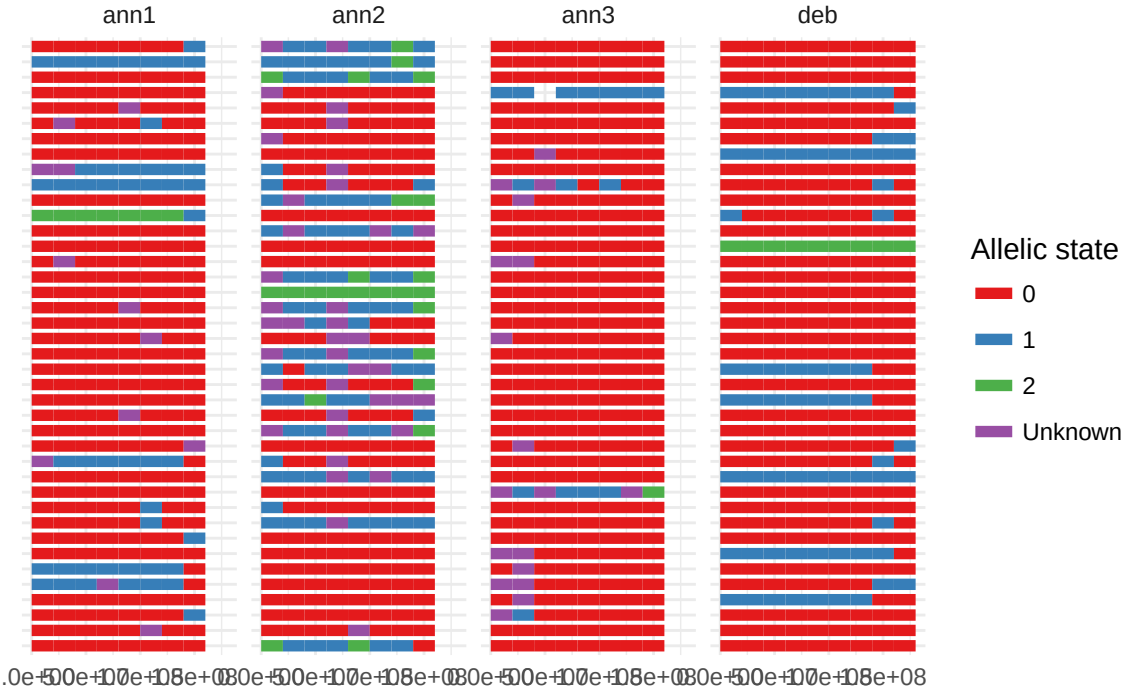

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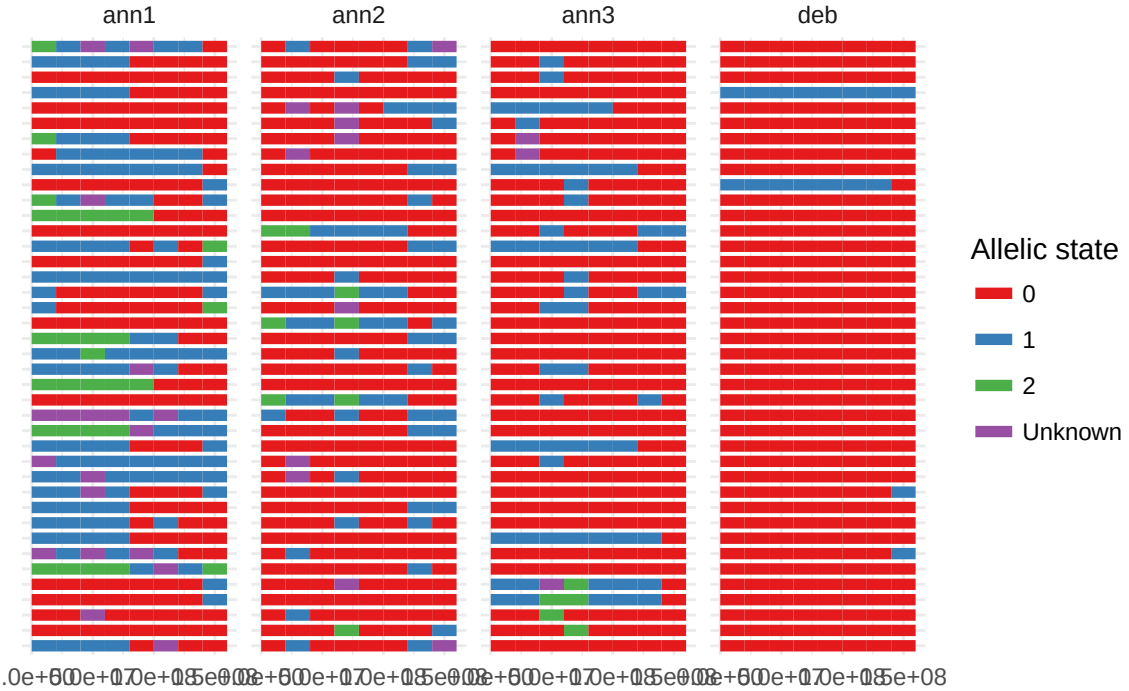

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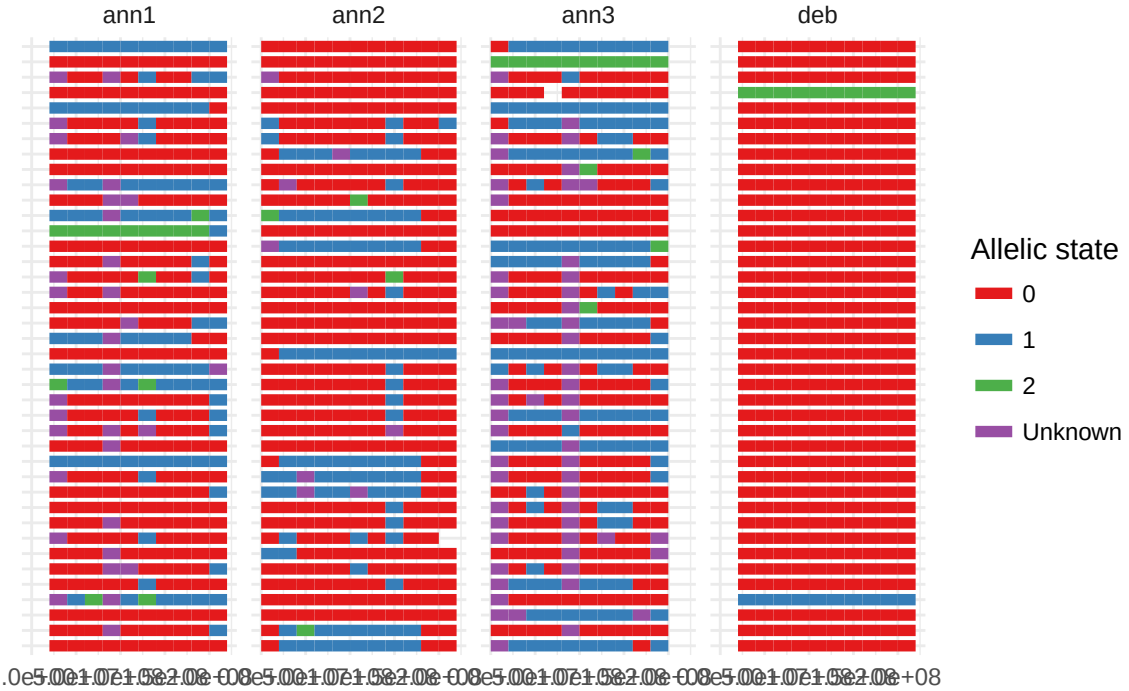

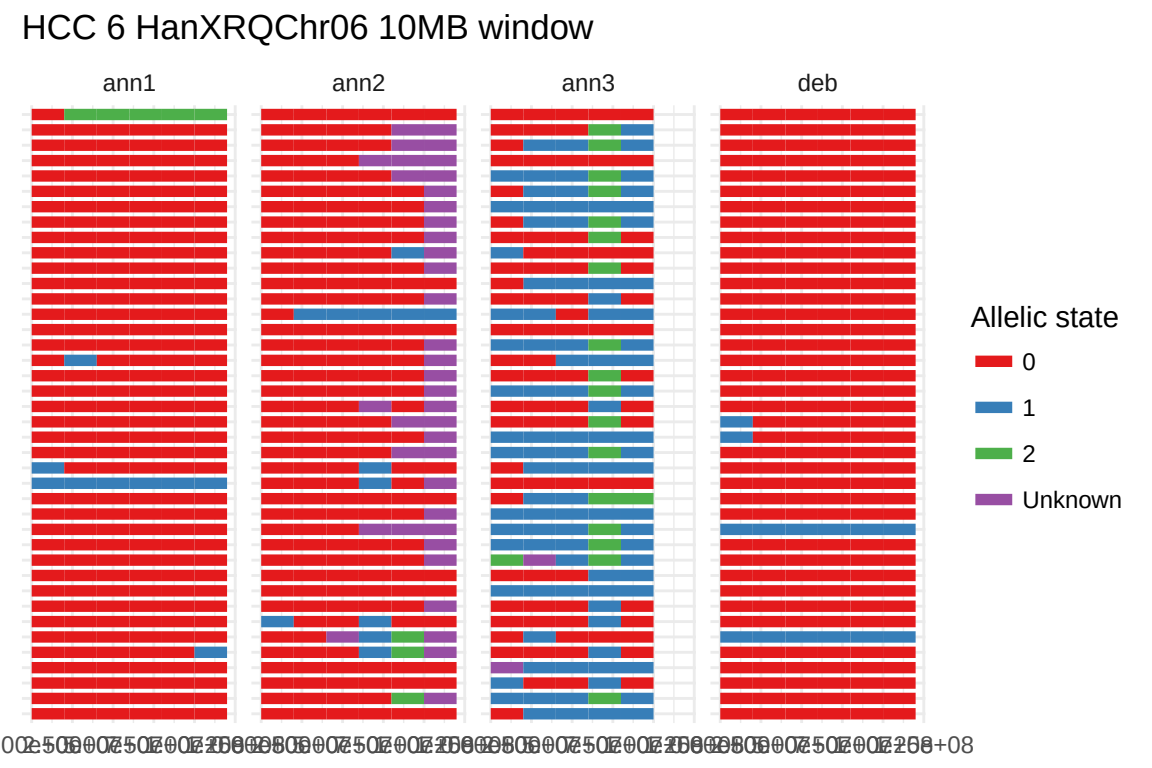
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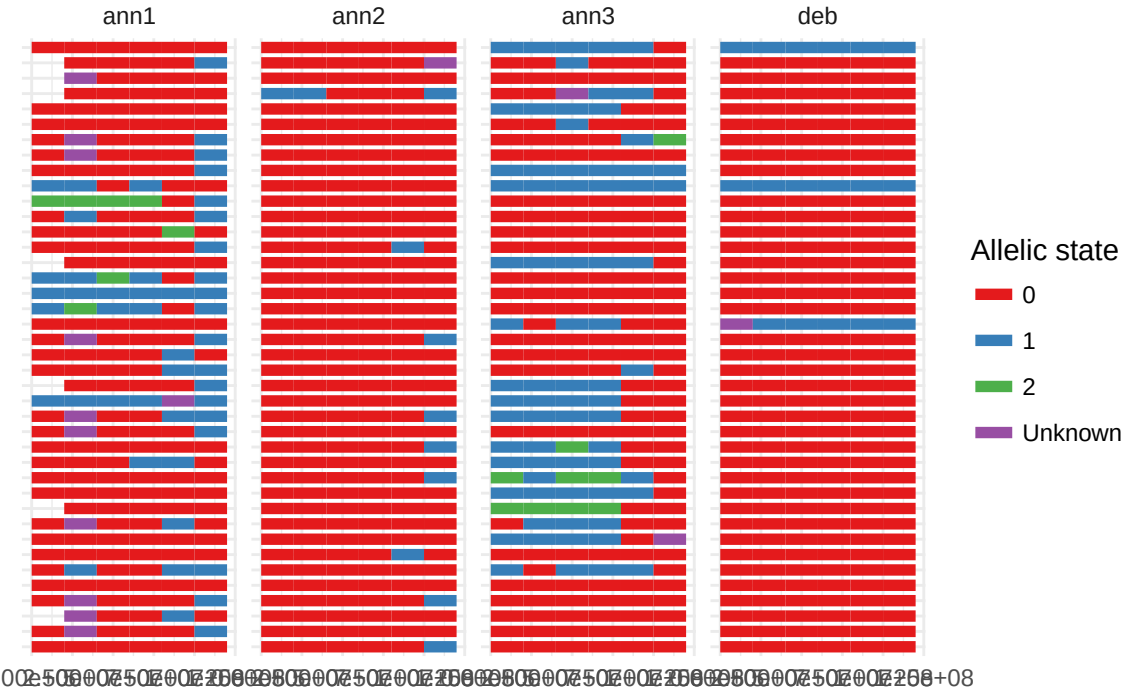

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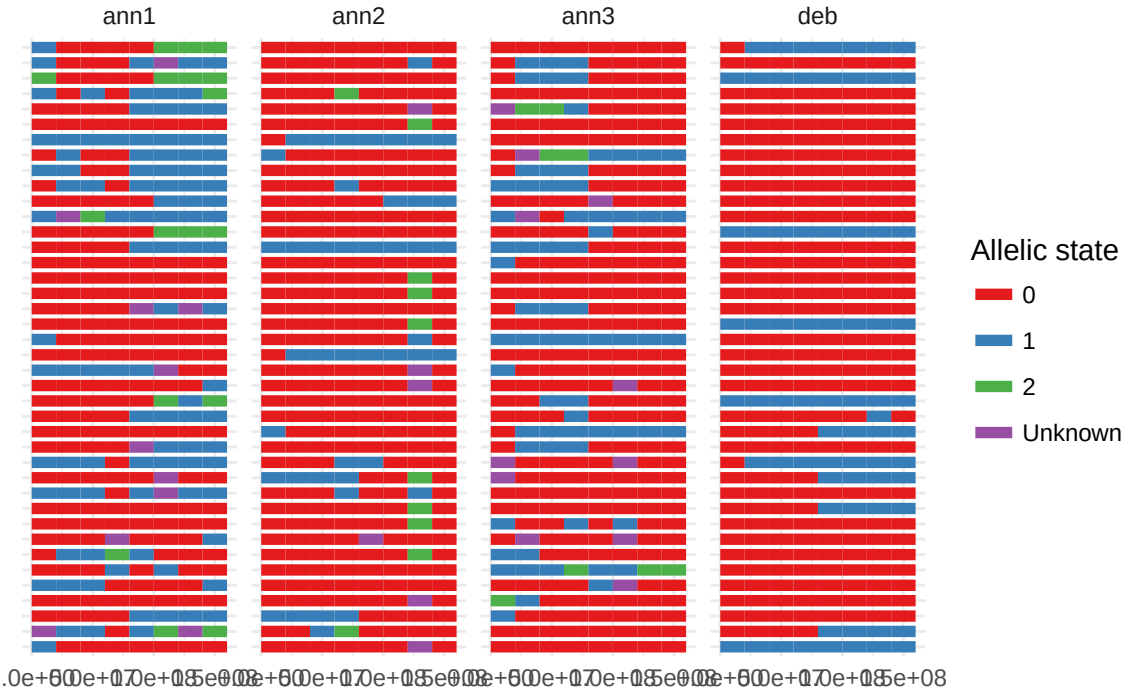

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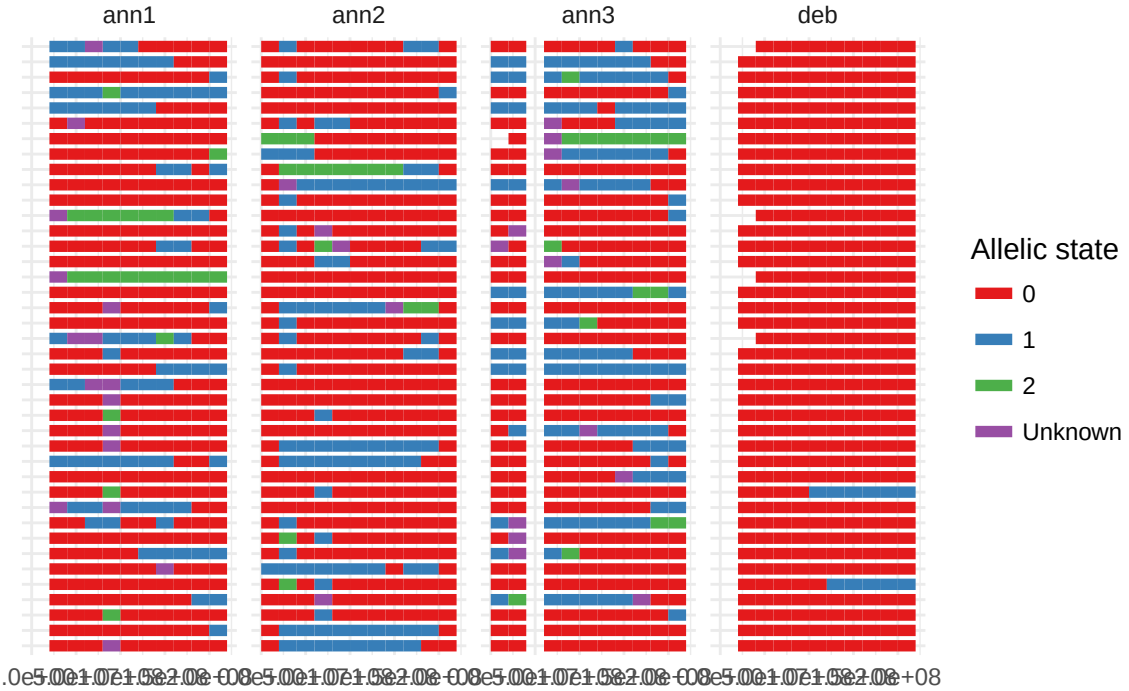

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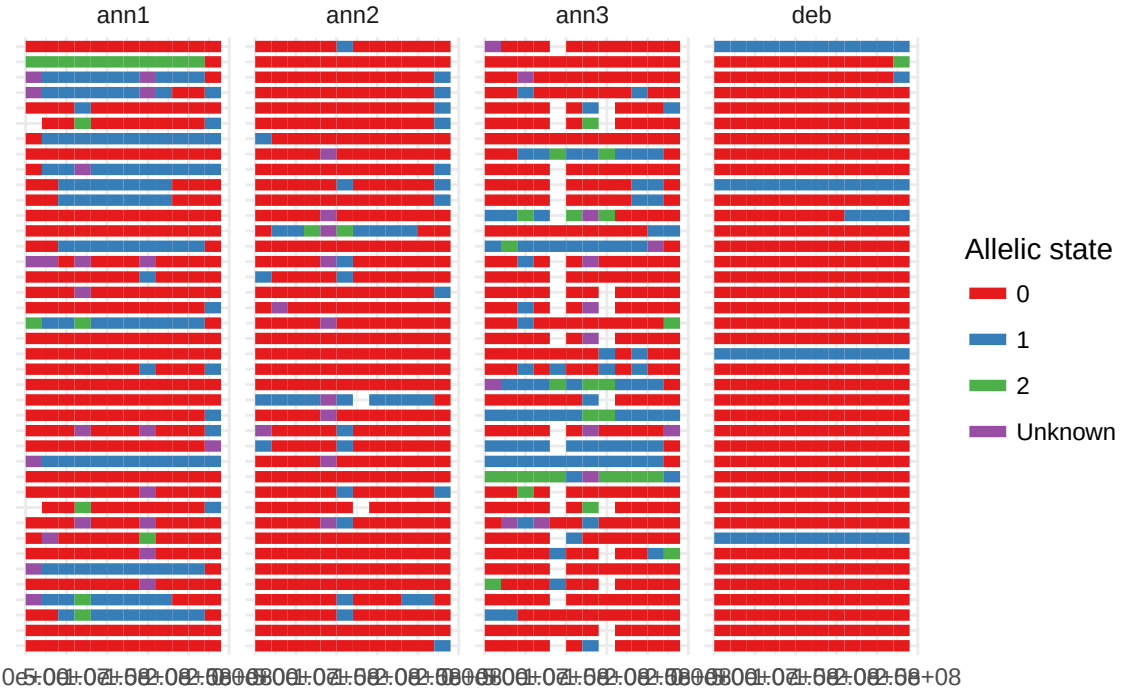

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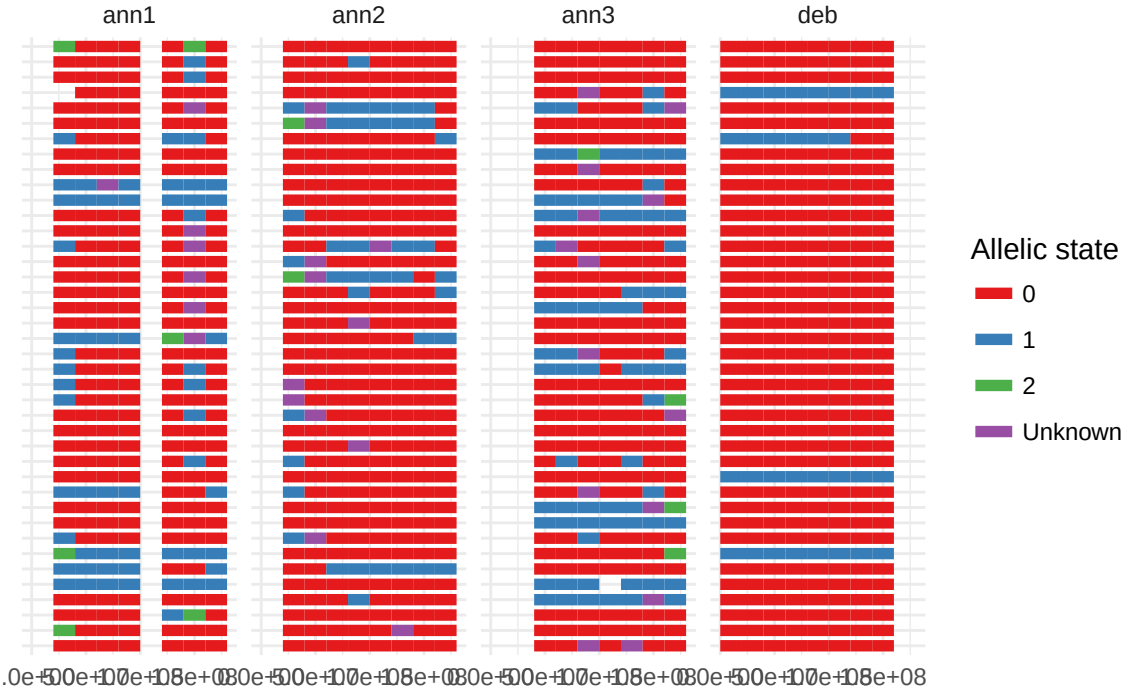

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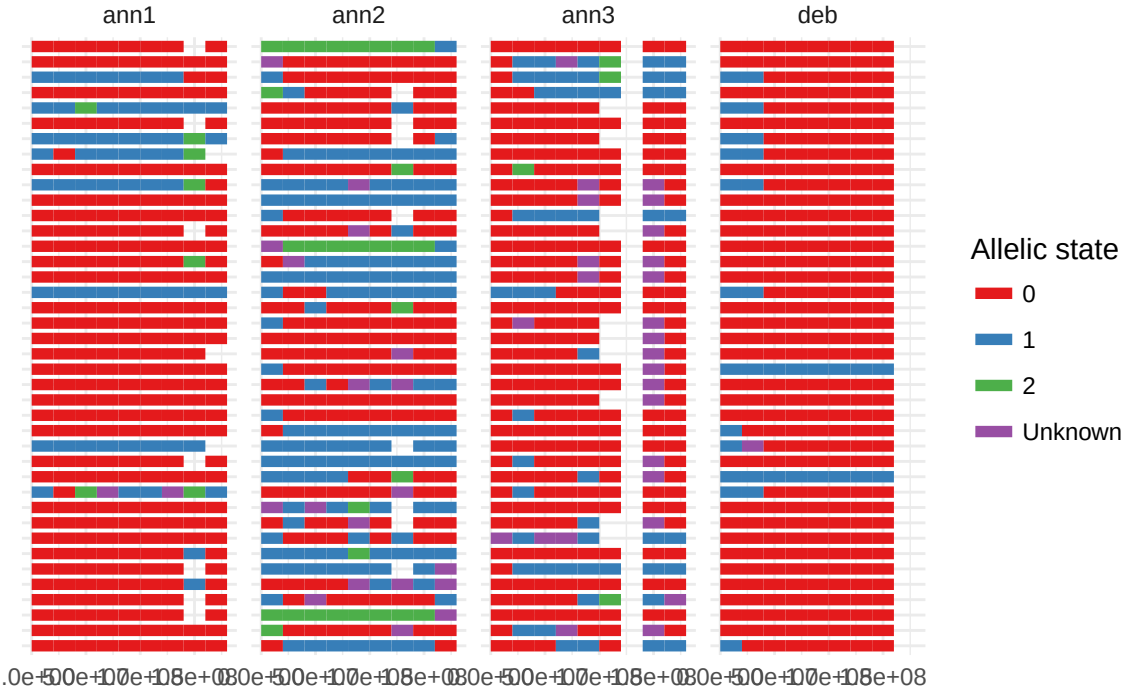

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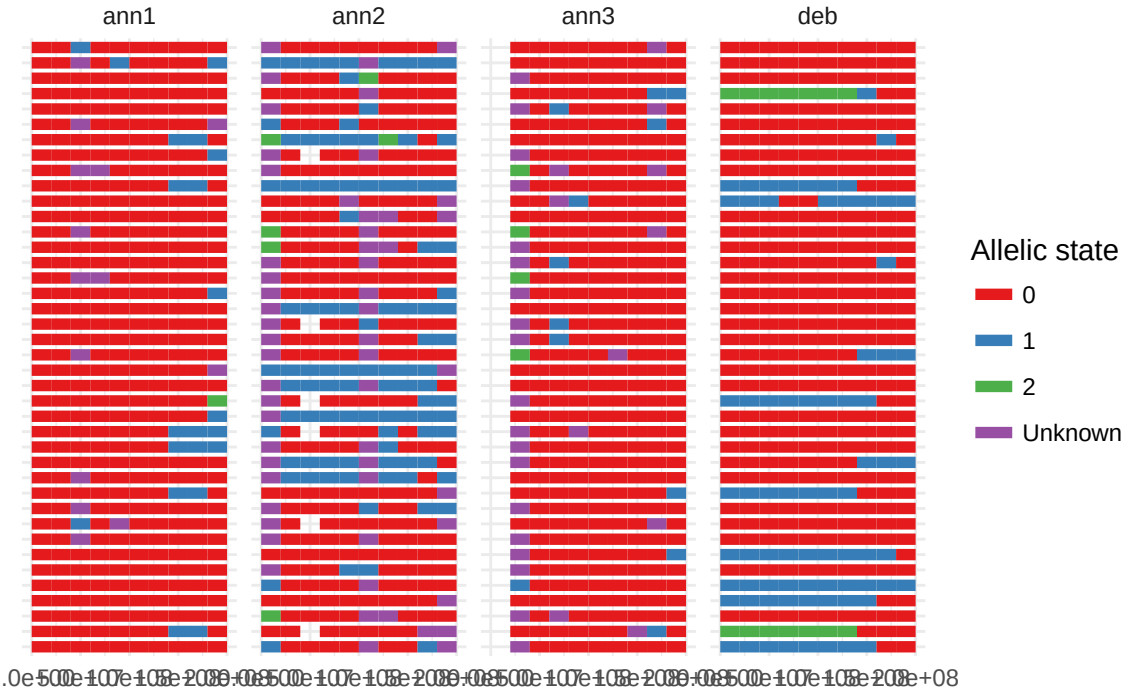

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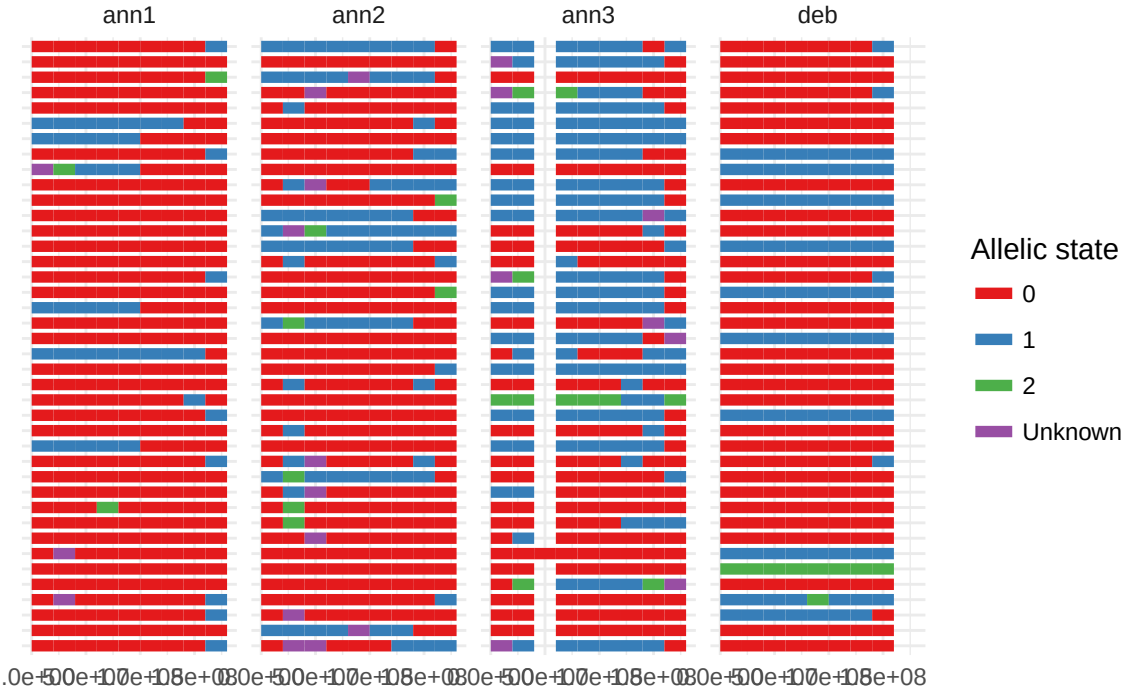

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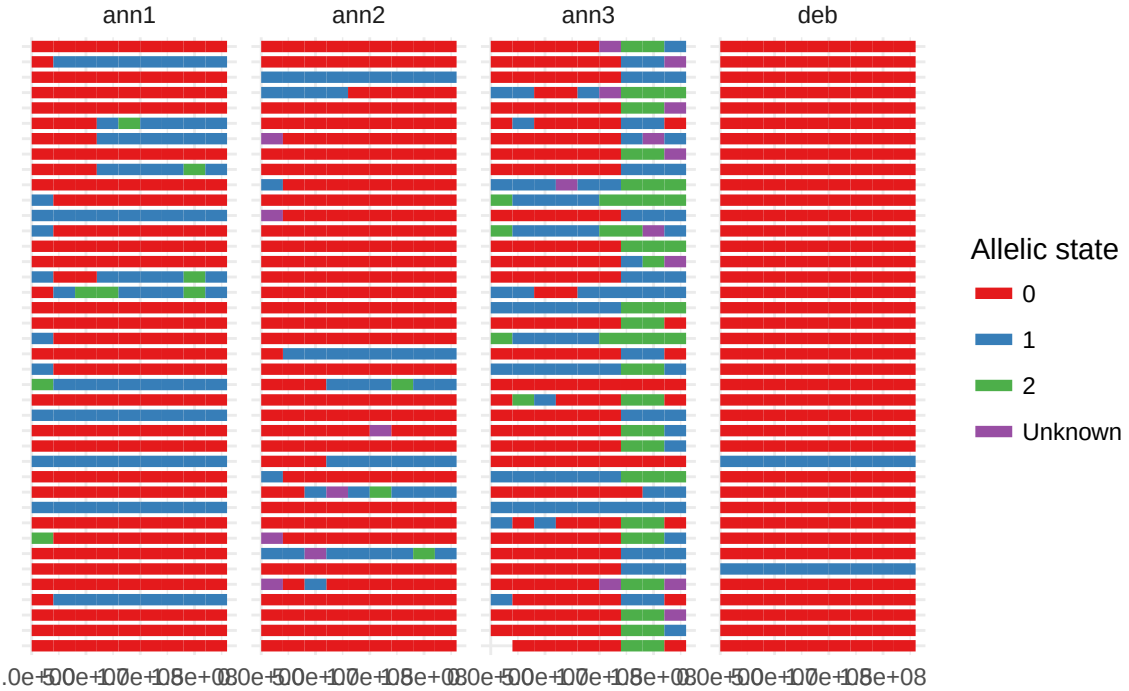

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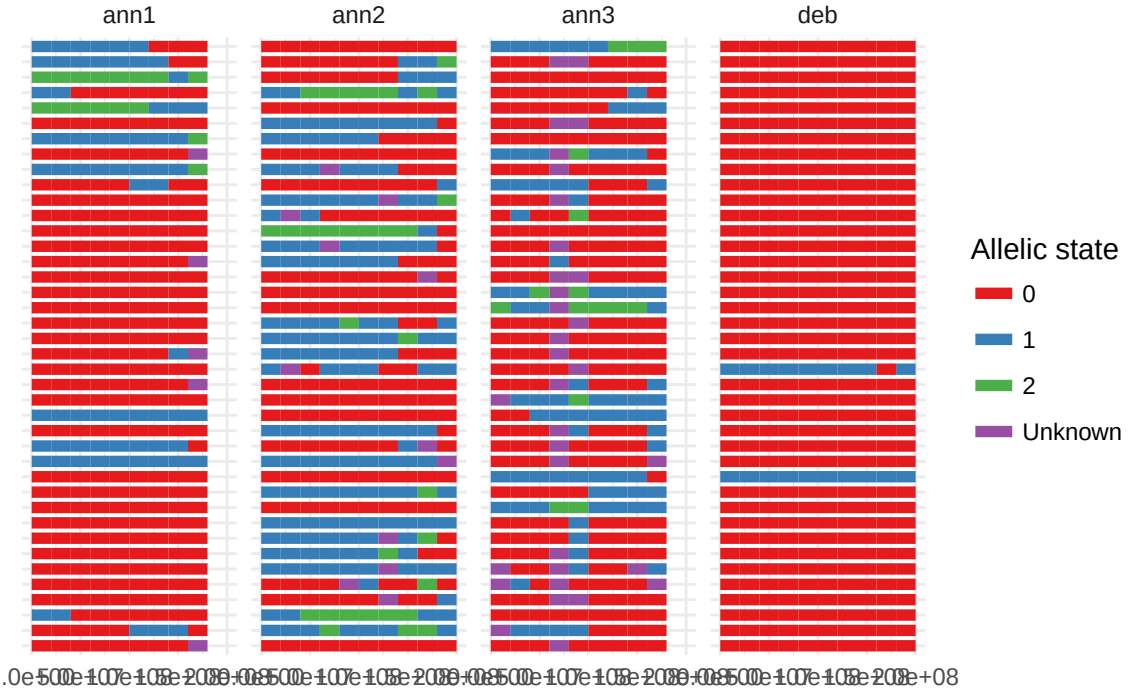

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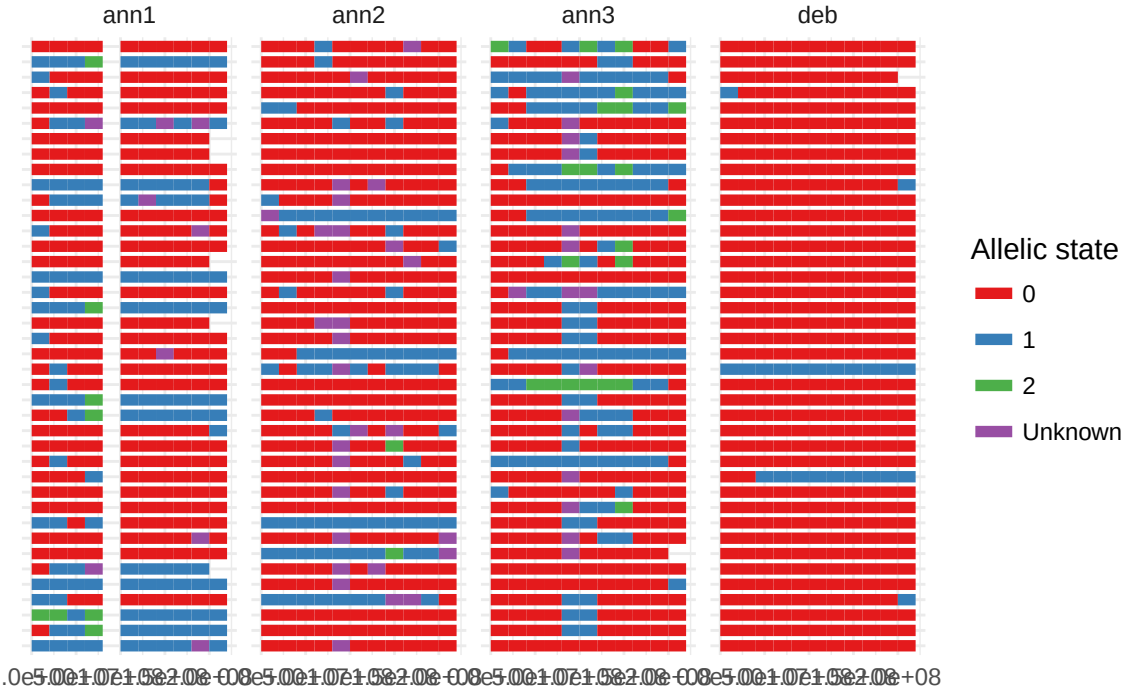

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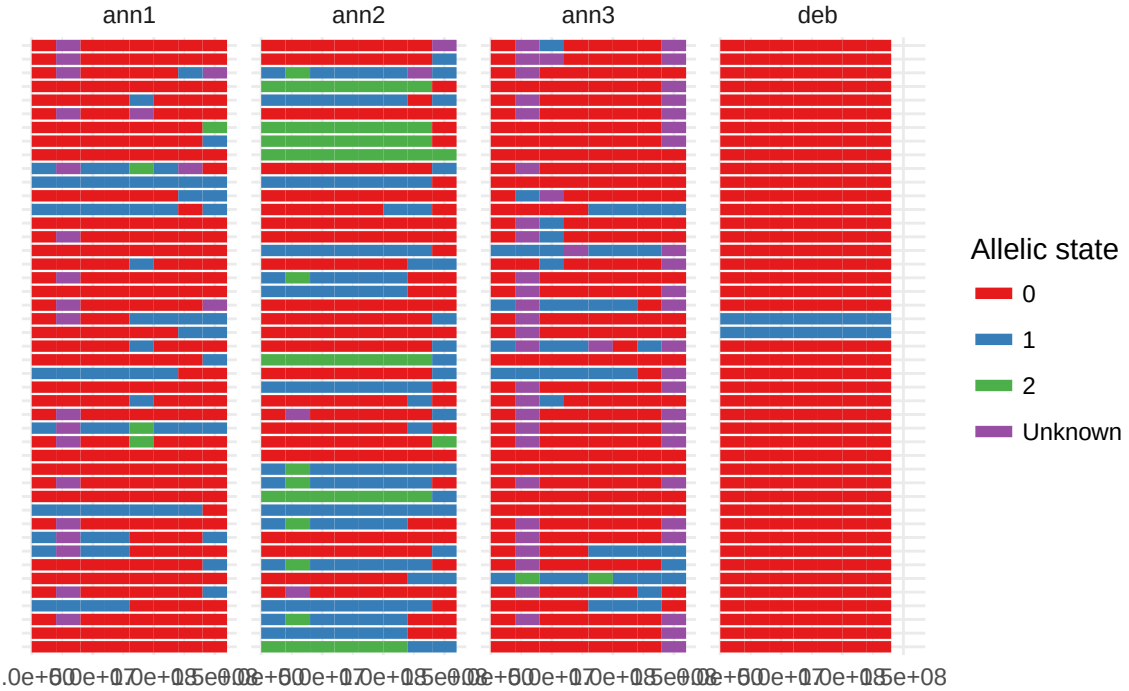

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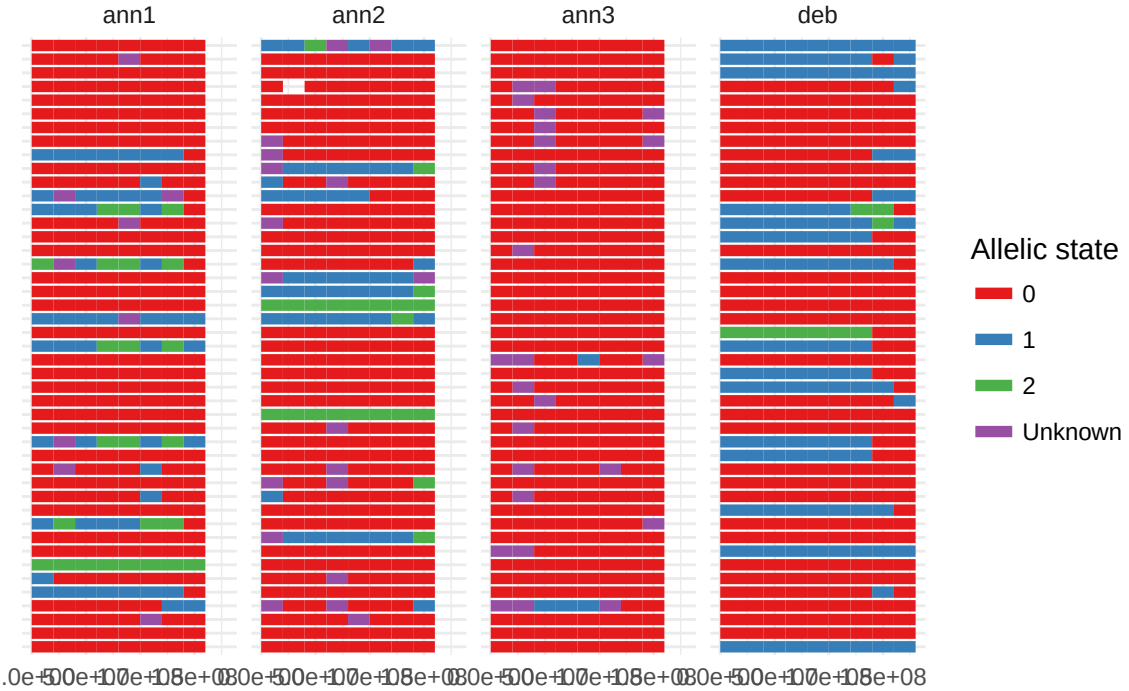

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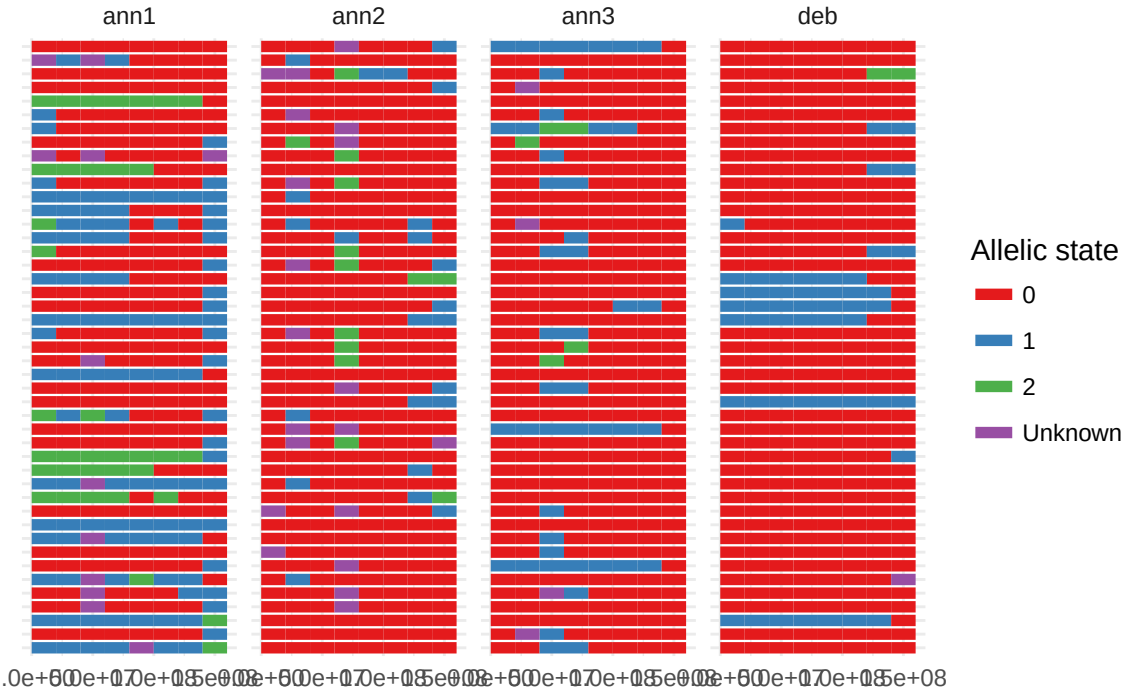

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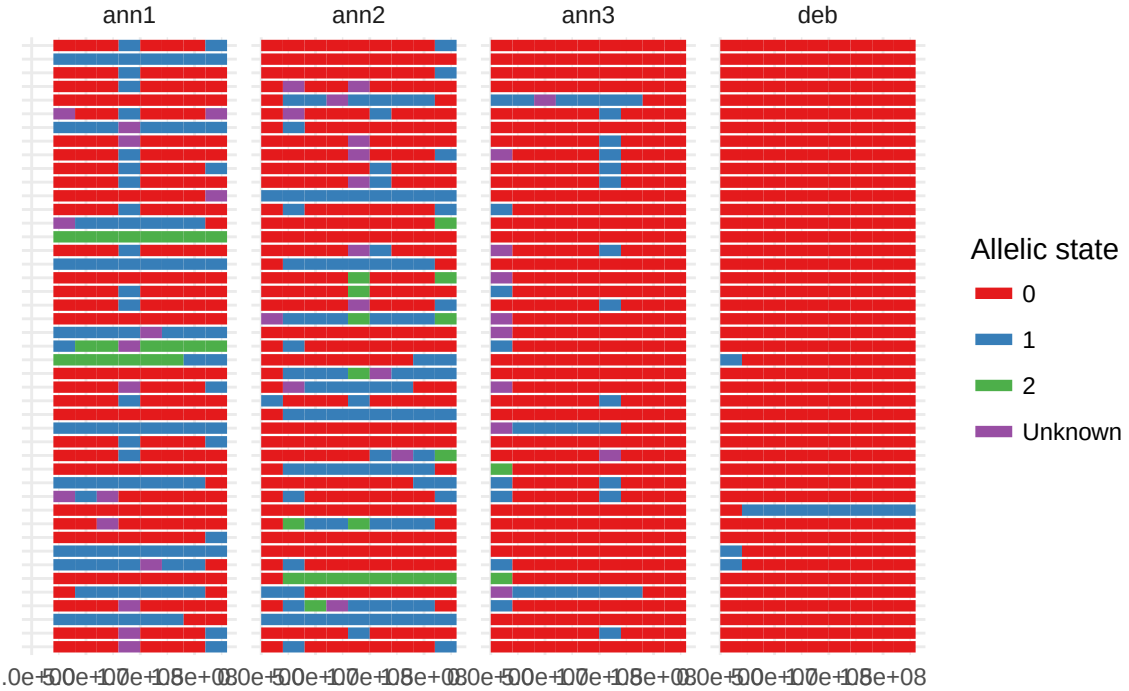

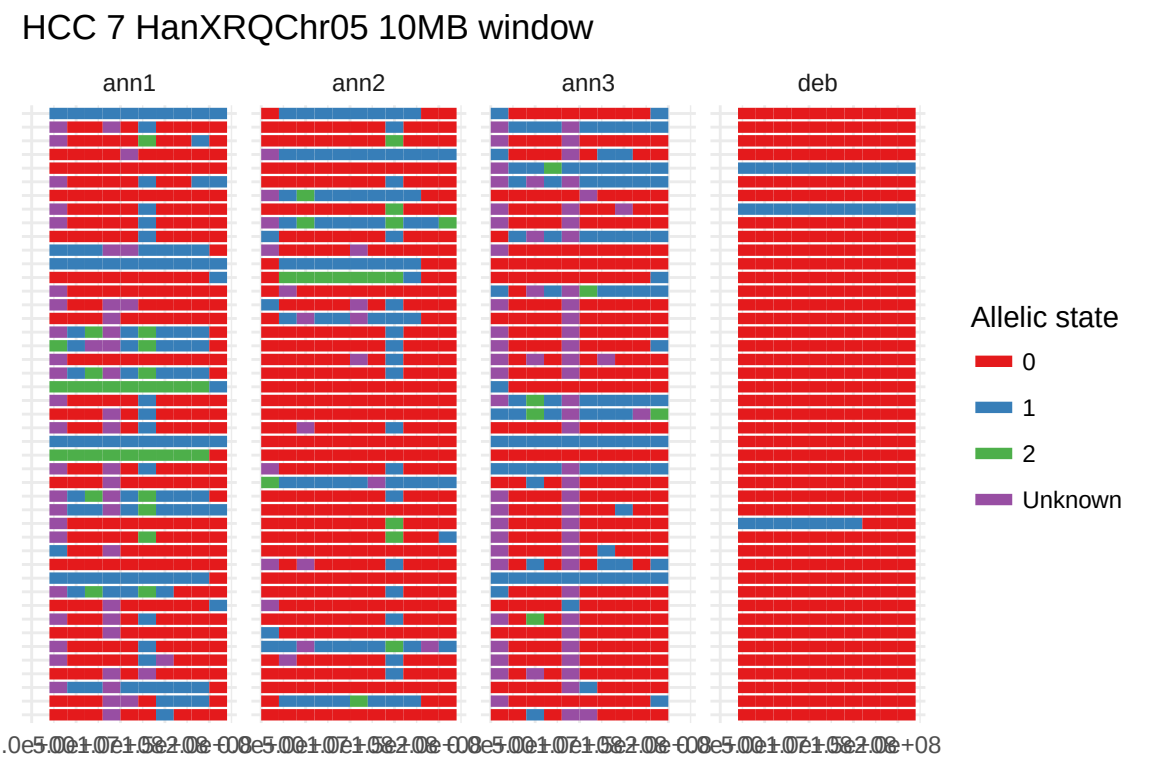
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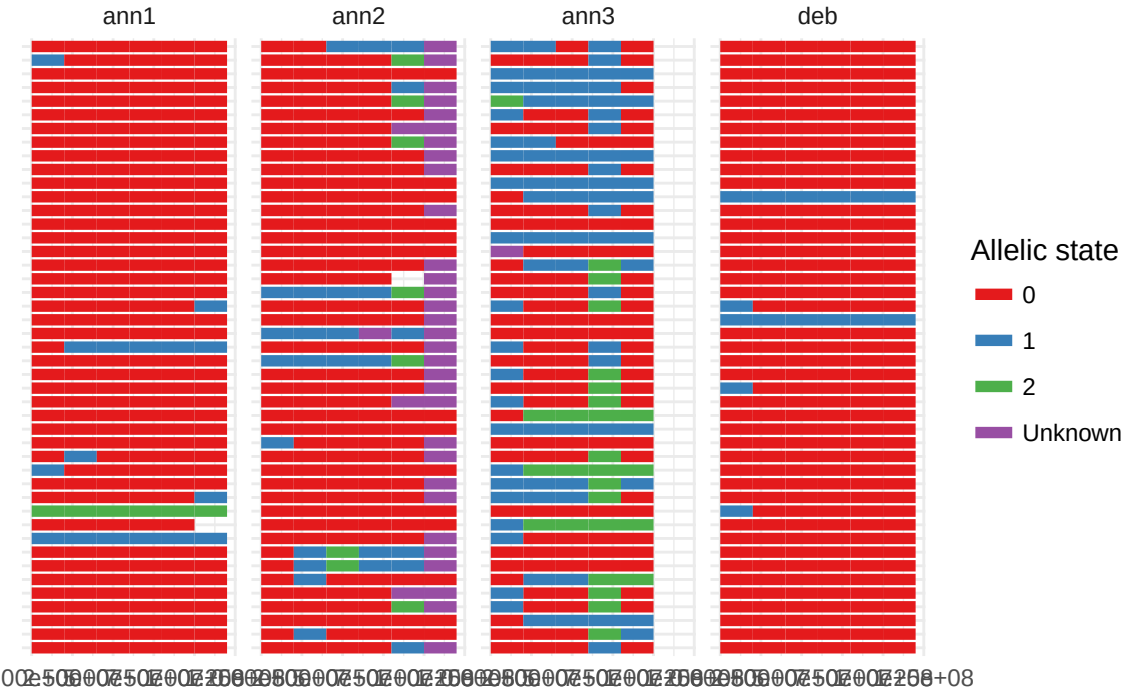

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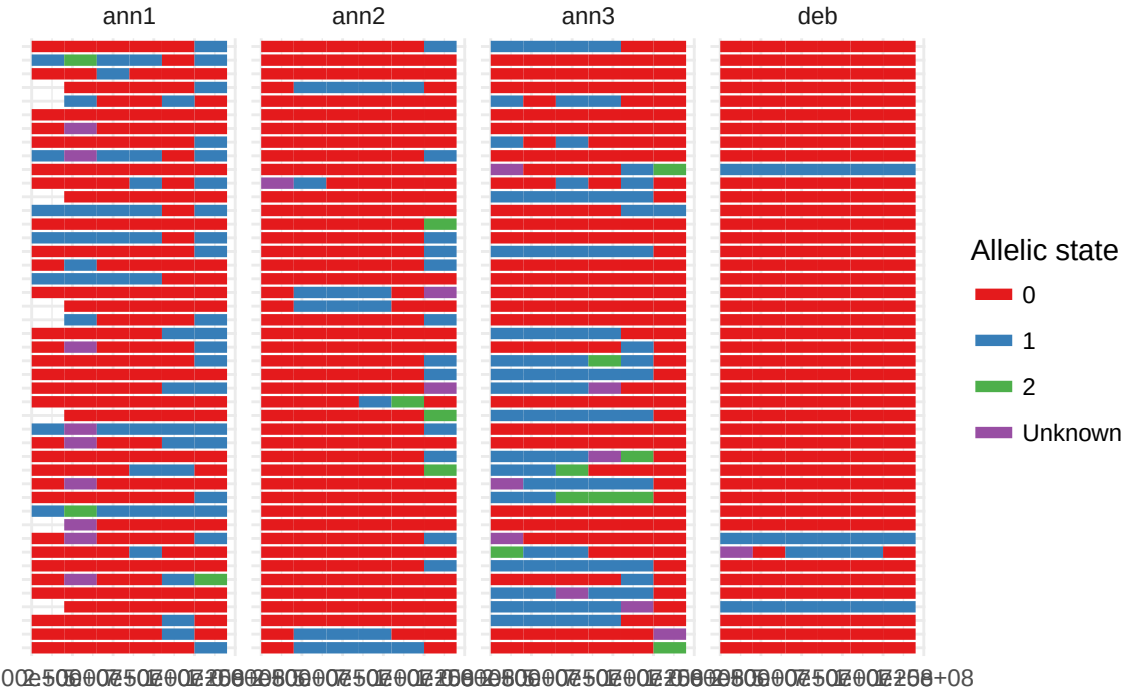

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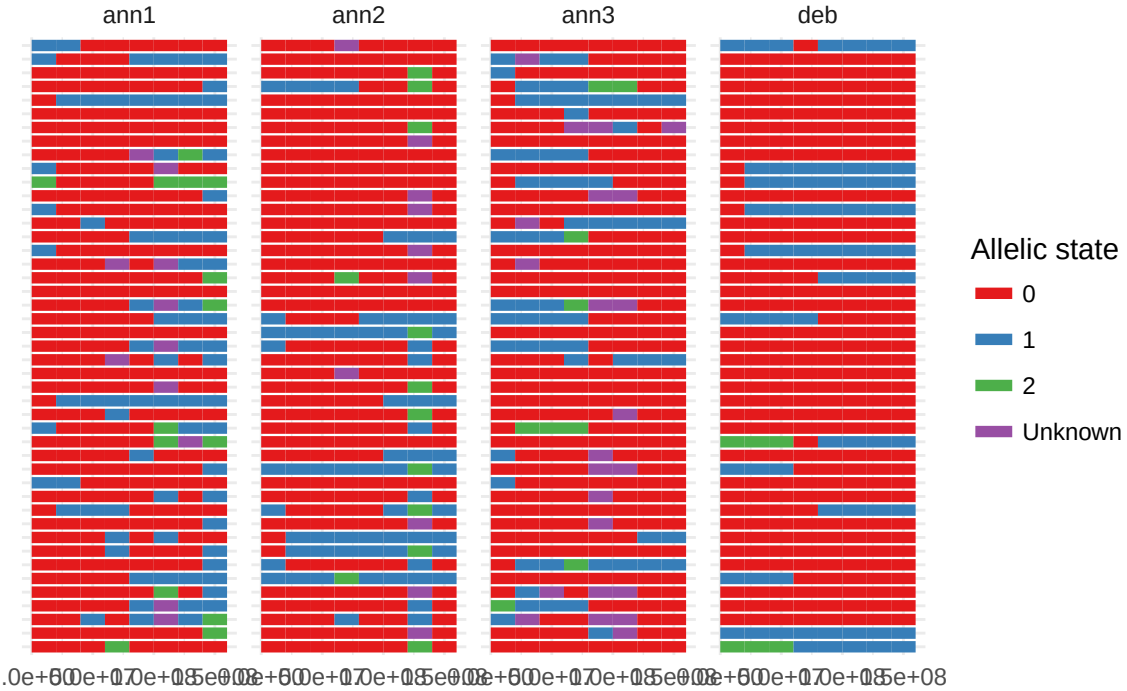

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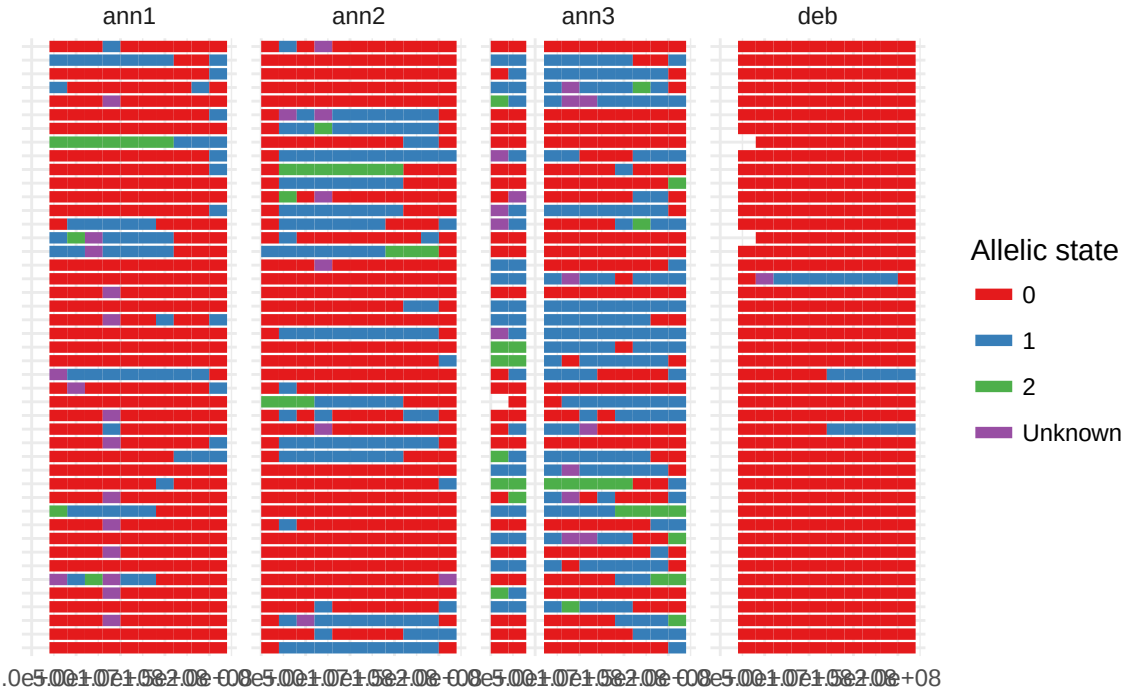

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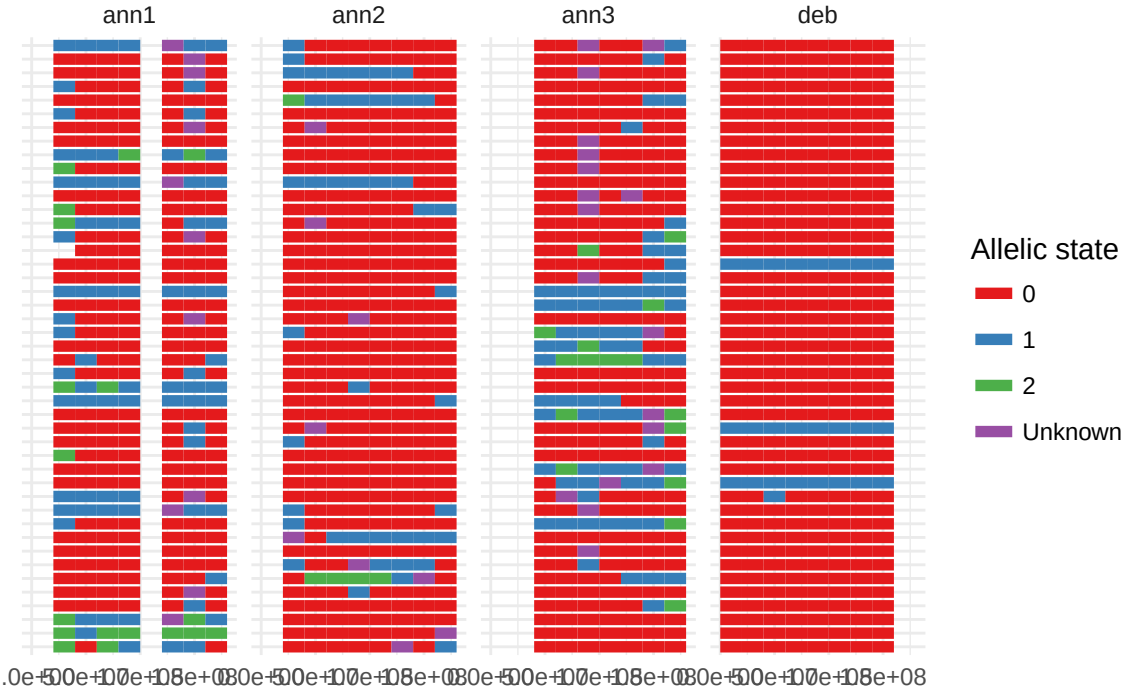

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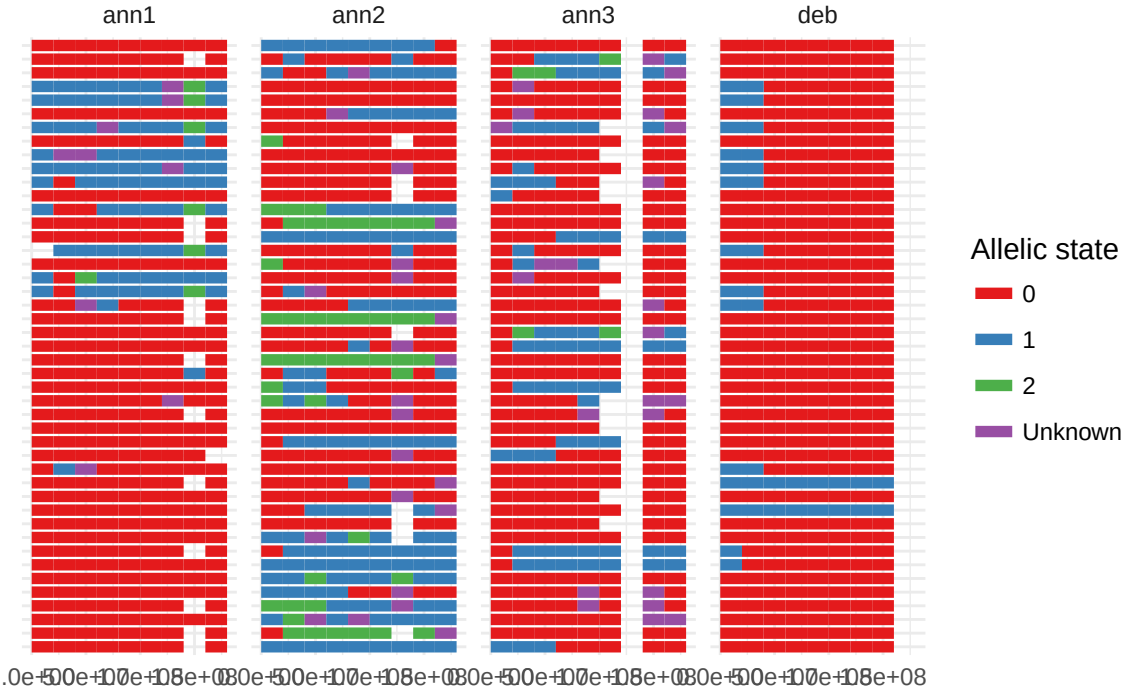

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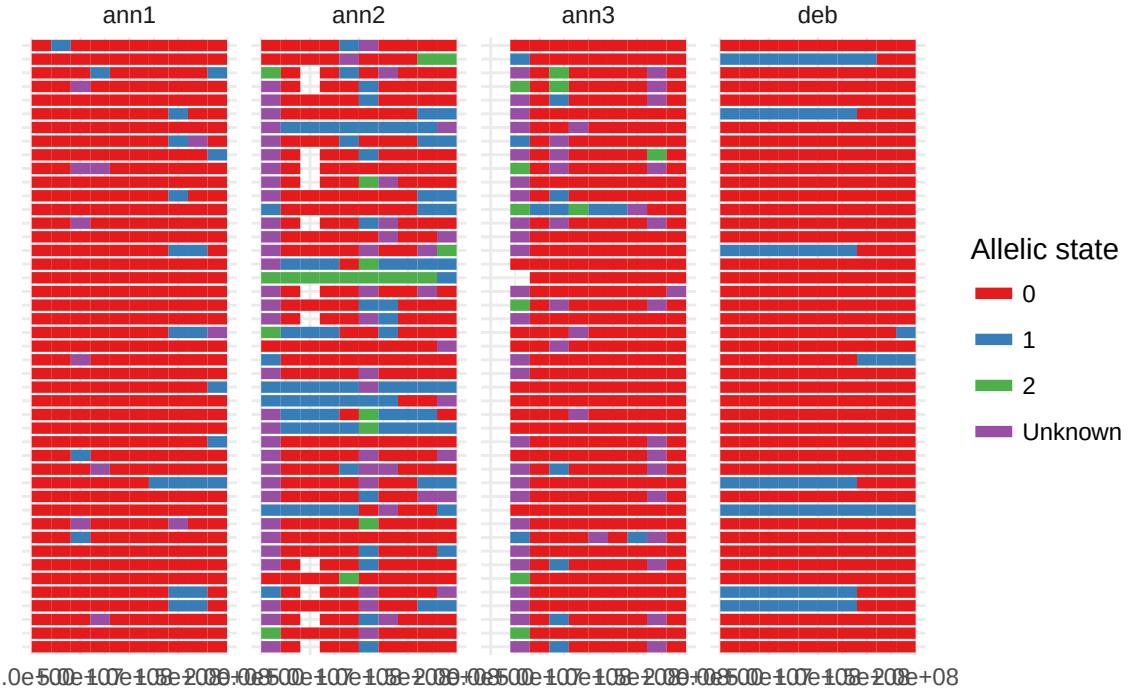

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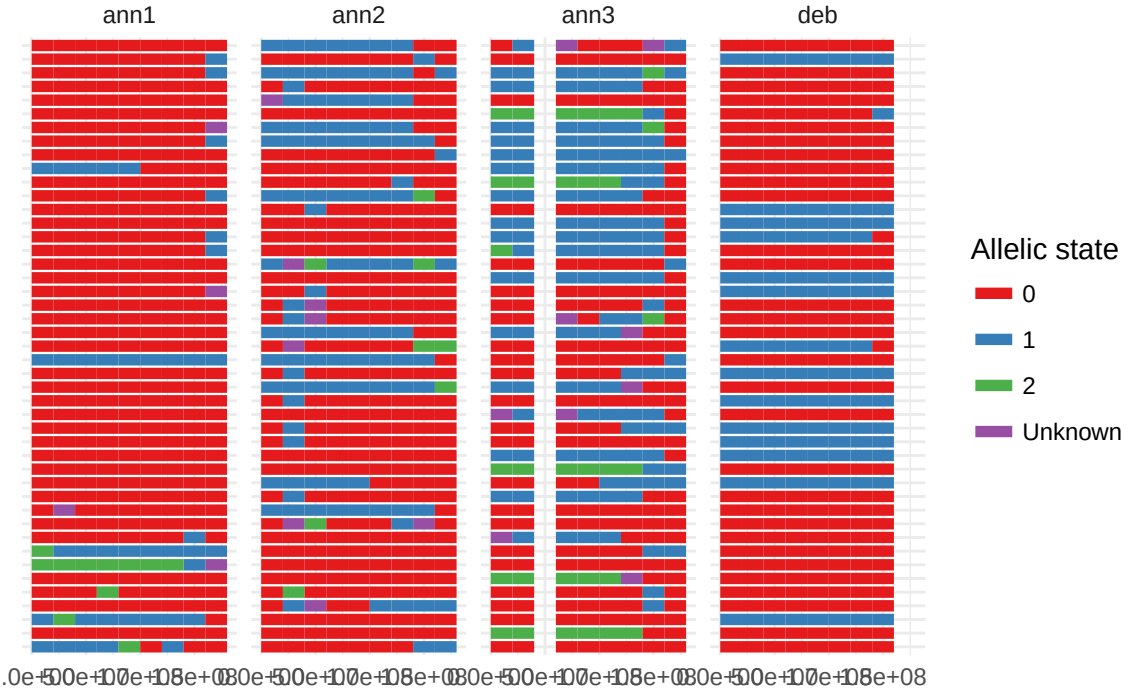

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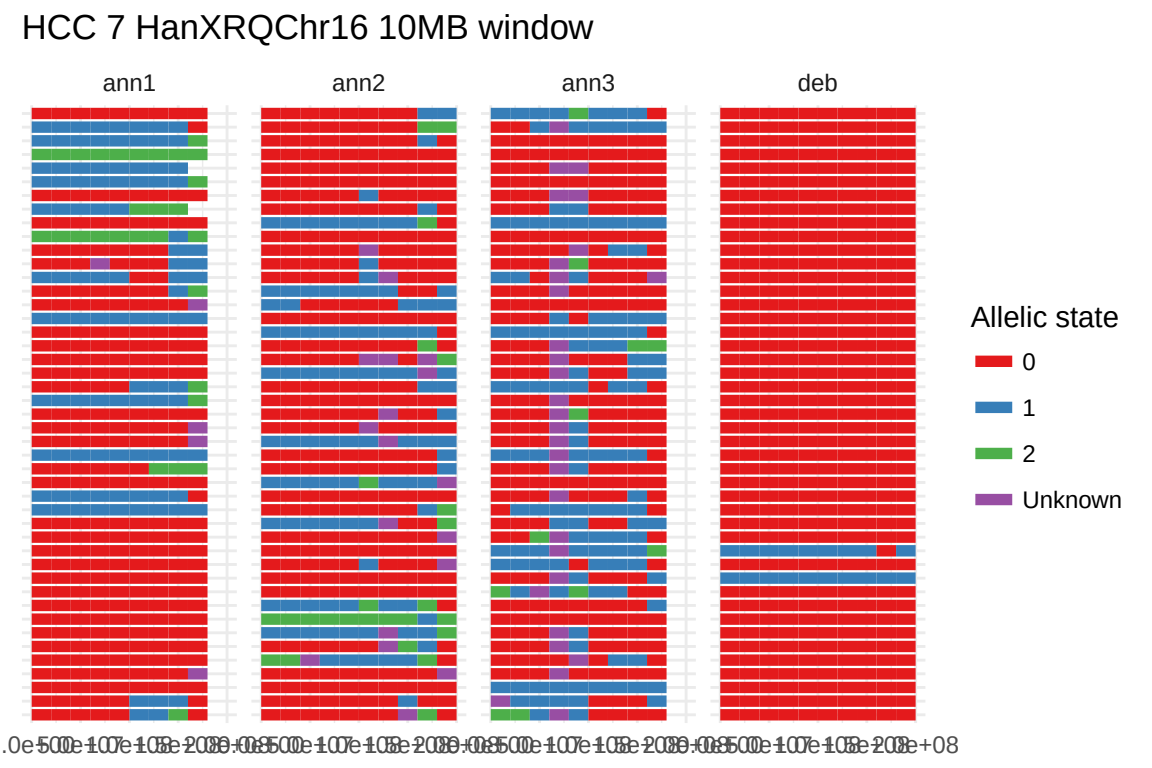
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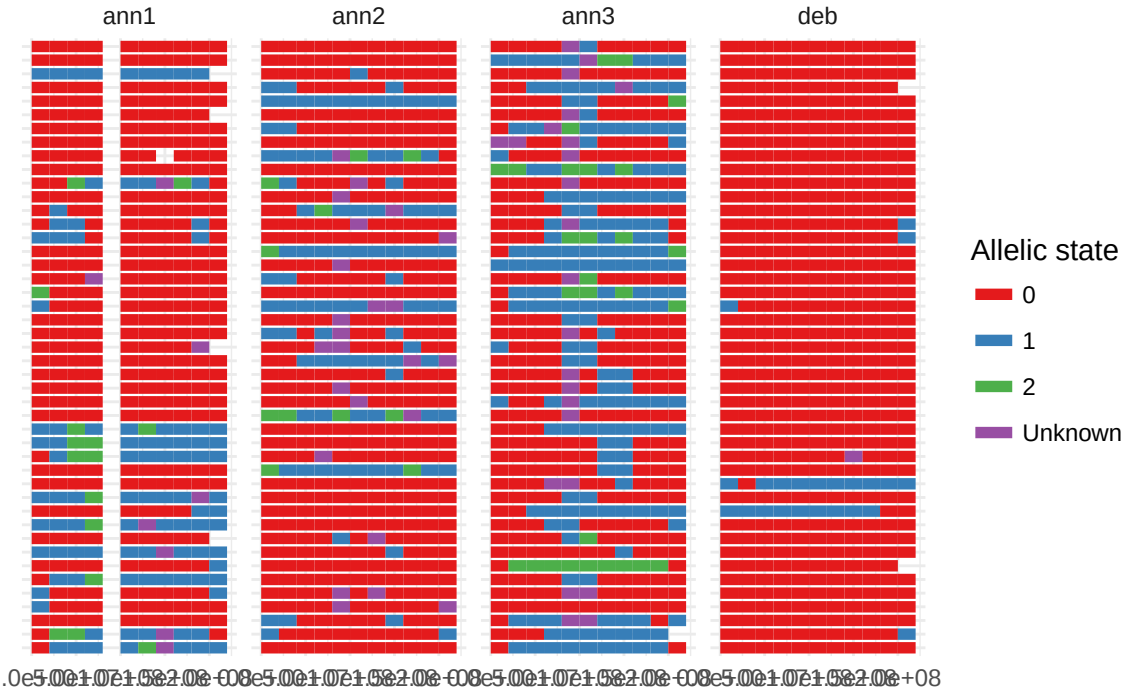

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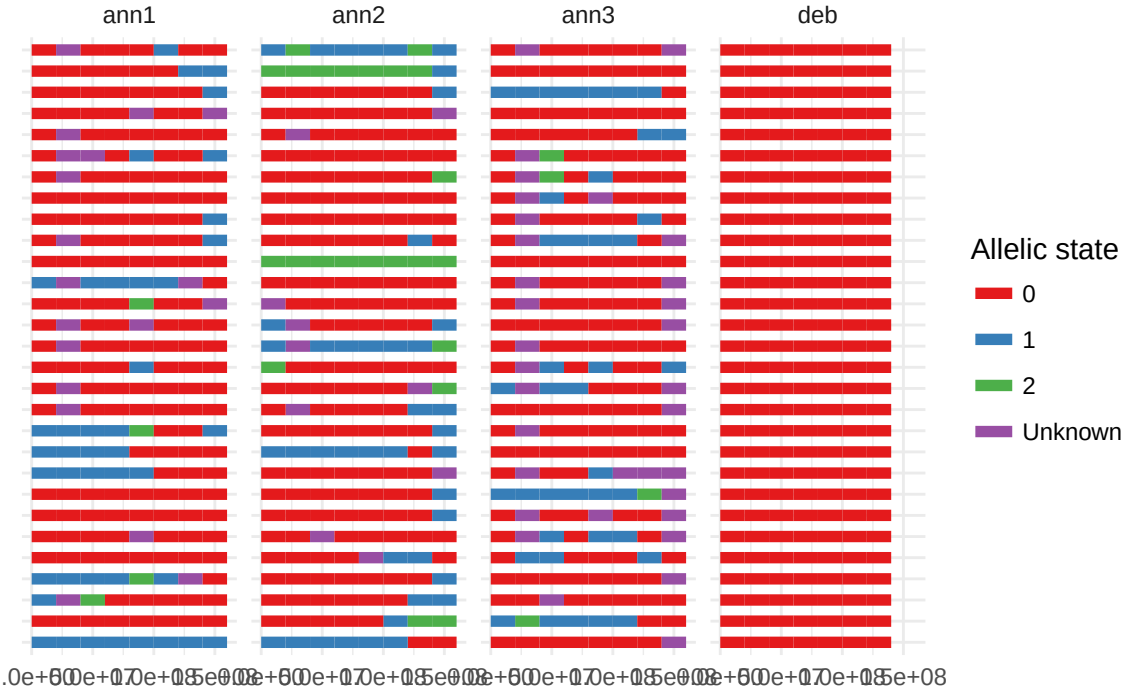

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ann3
deb
Allelic state
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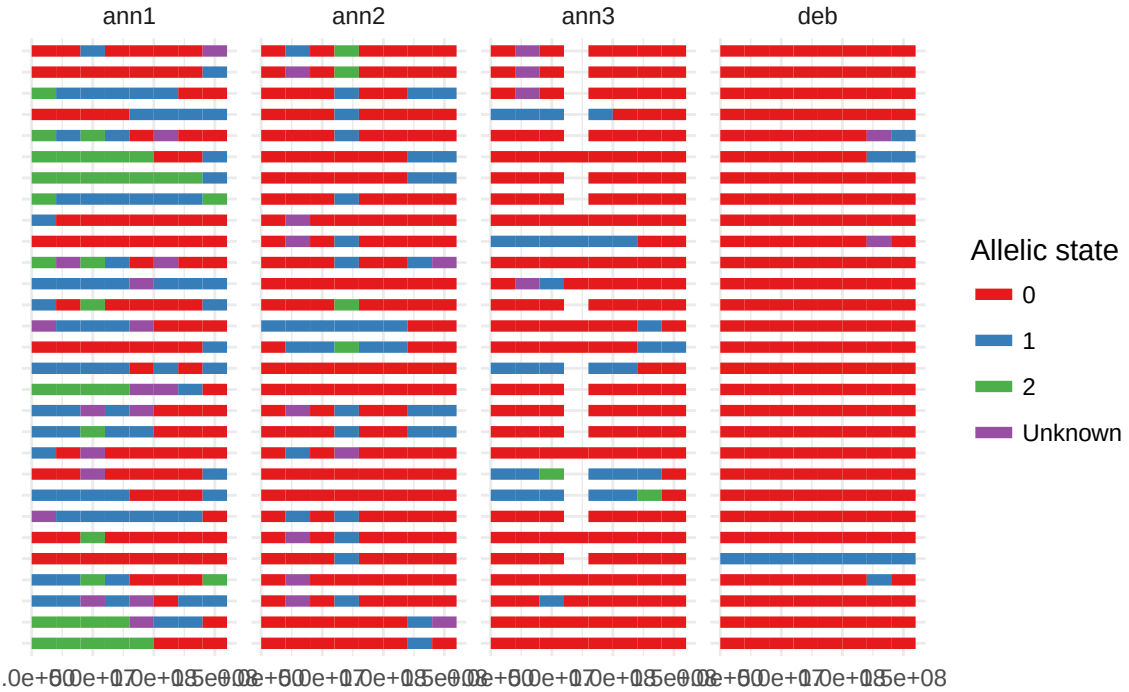

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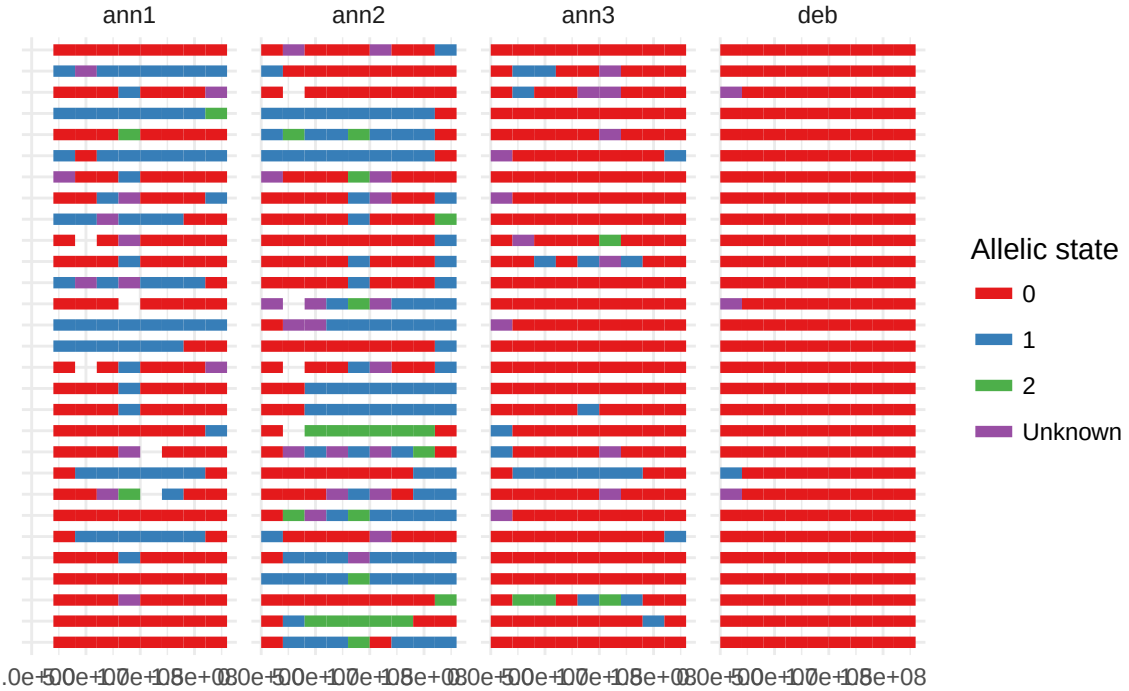

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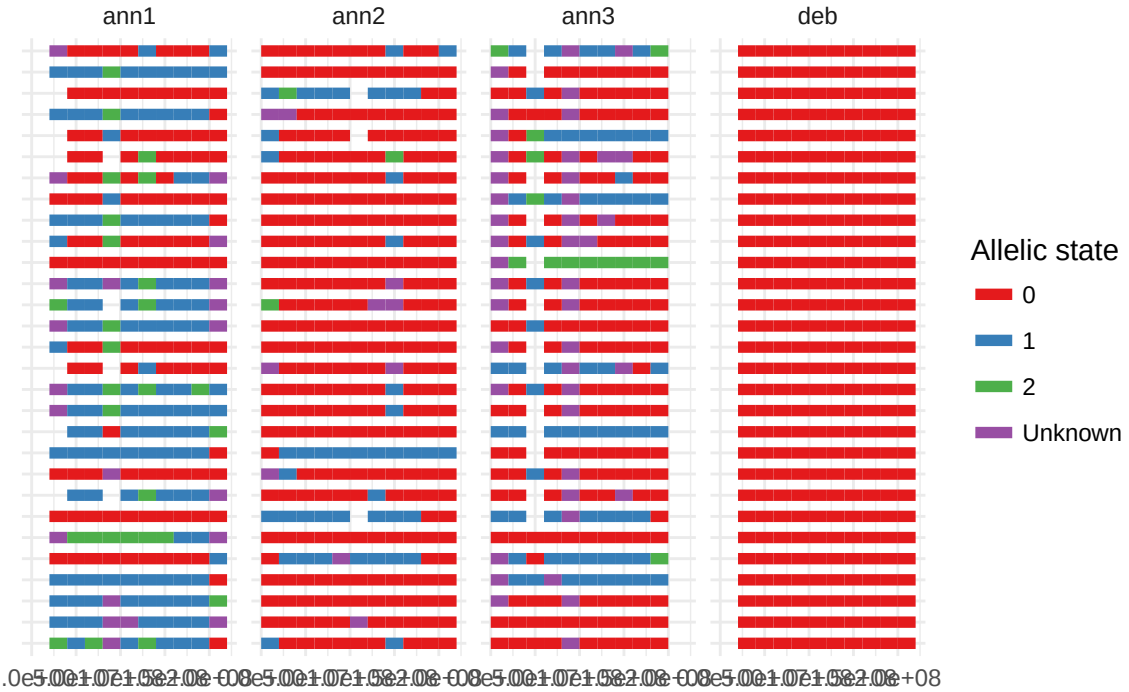

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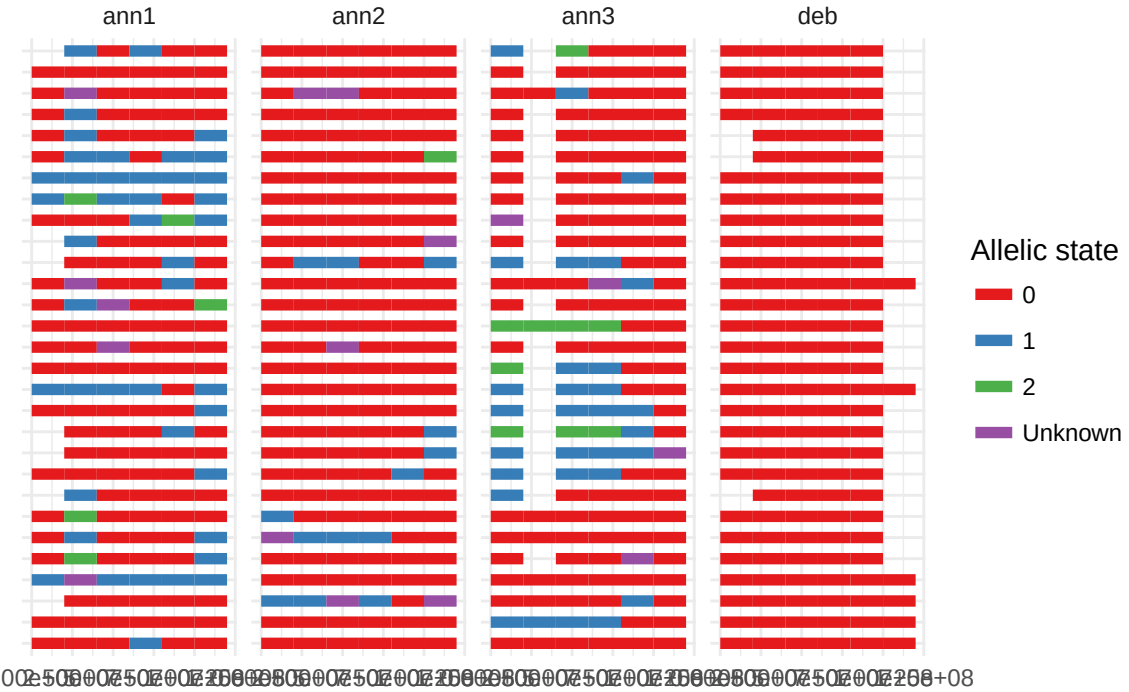

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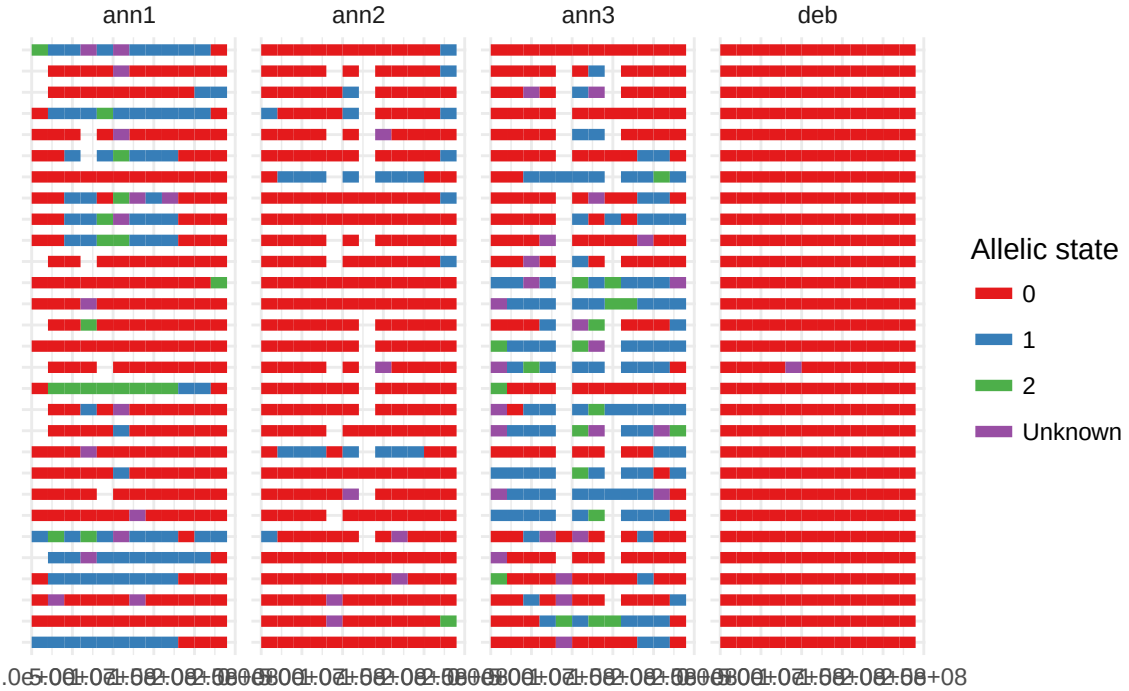

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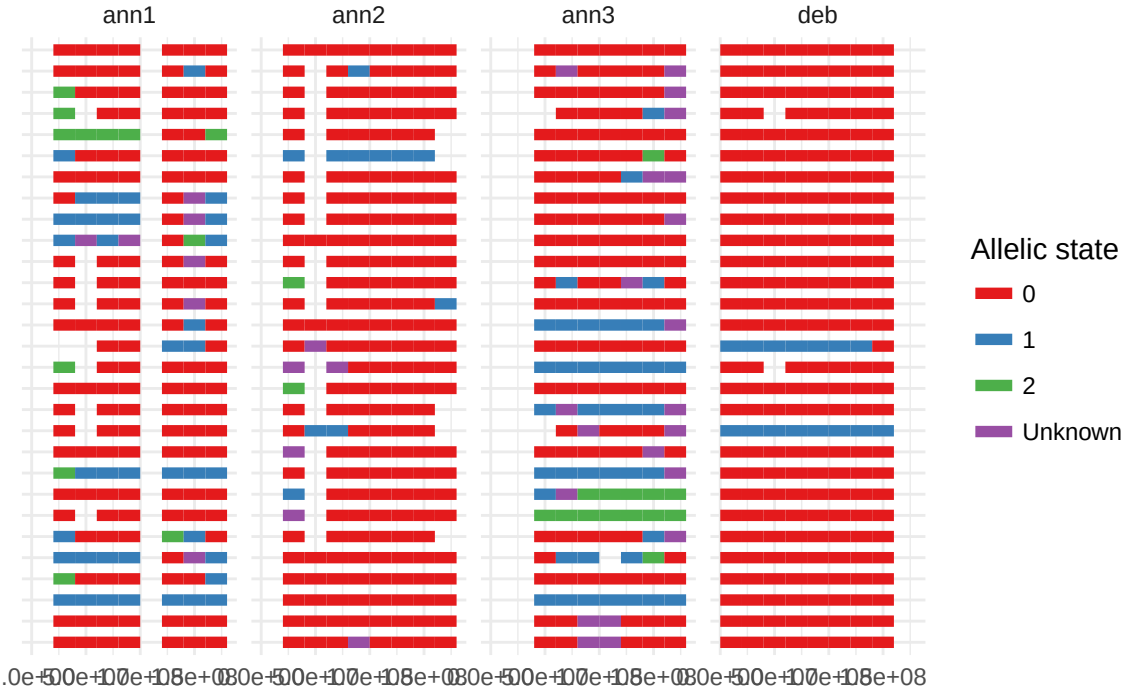

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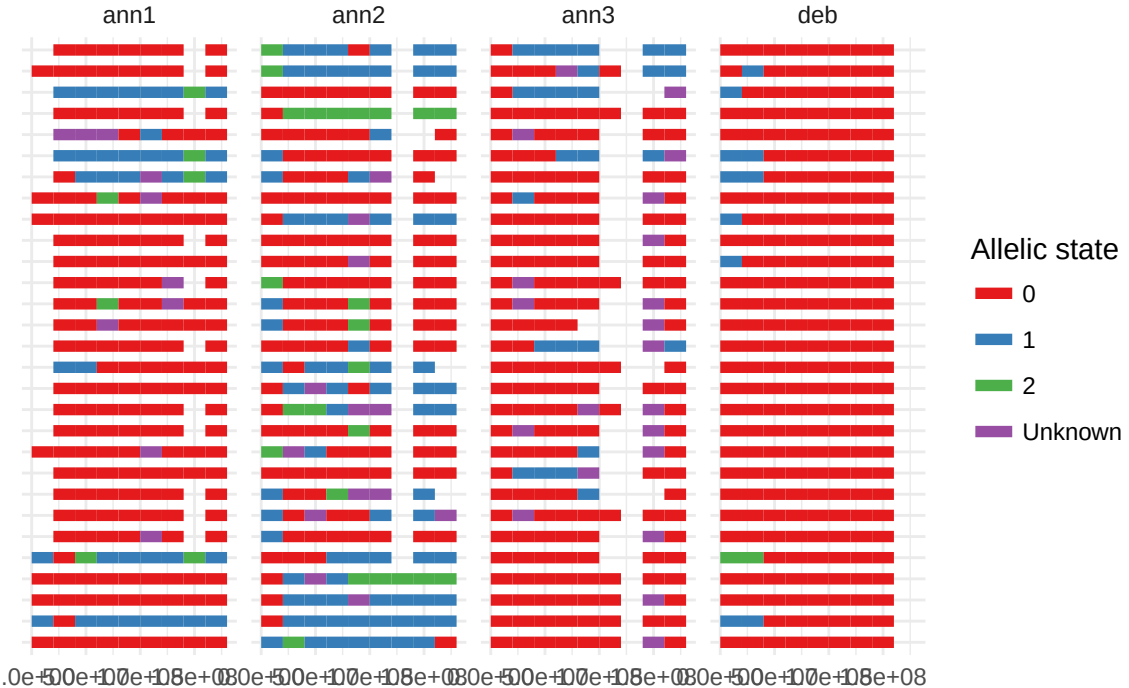

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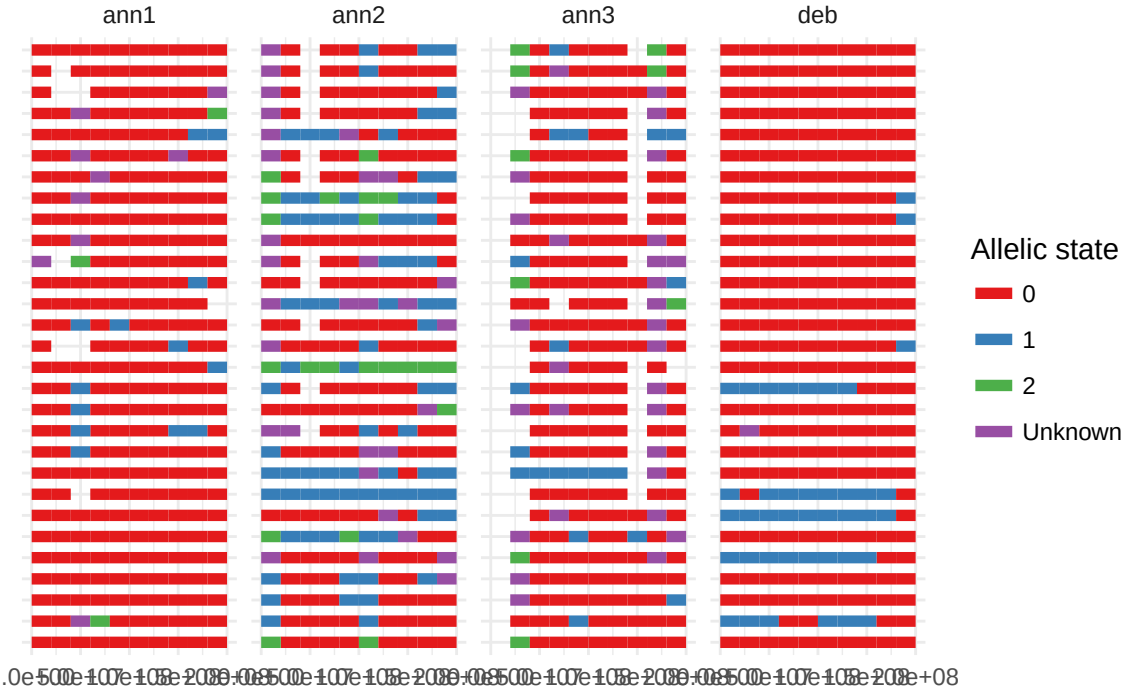

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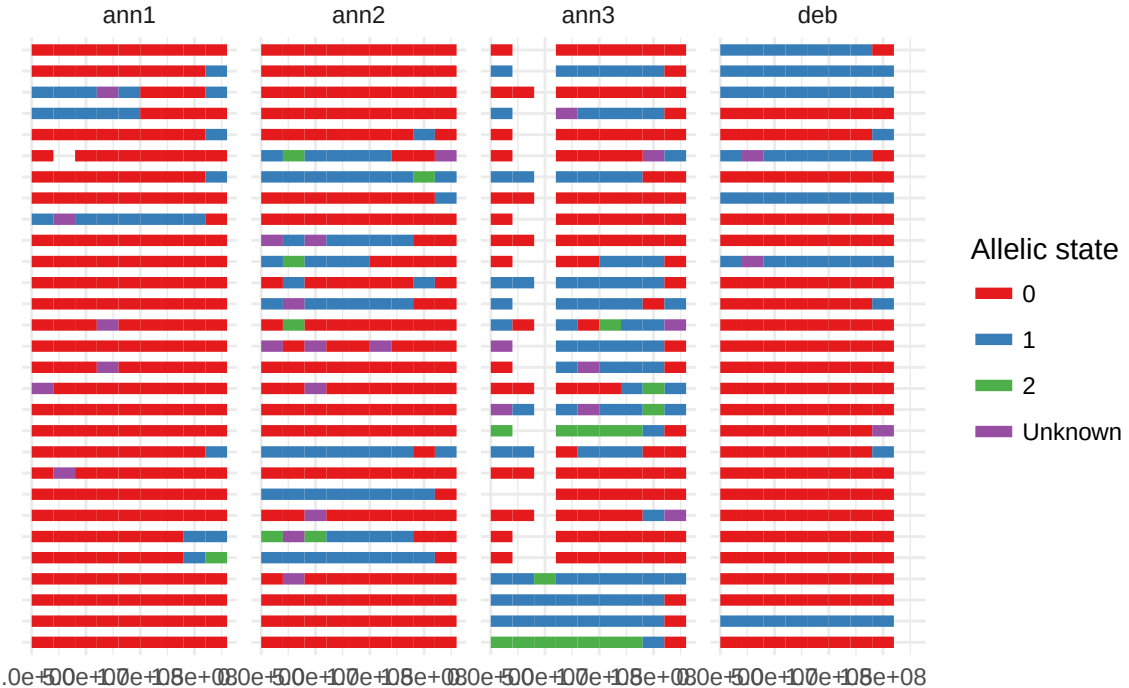

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1
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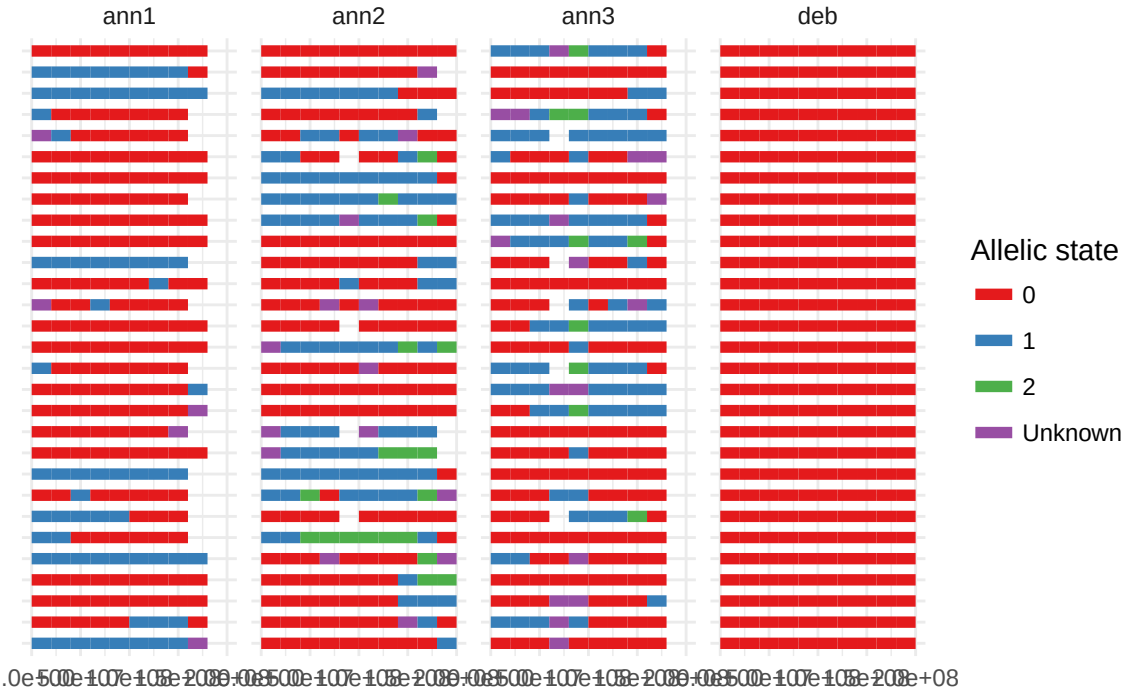

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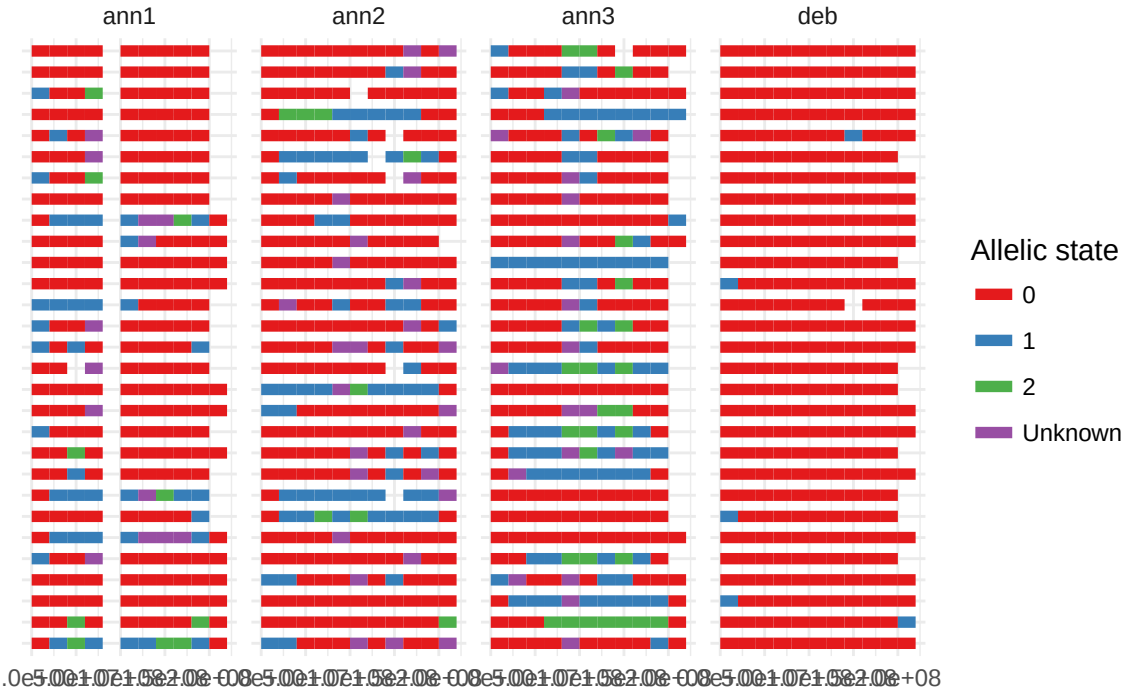

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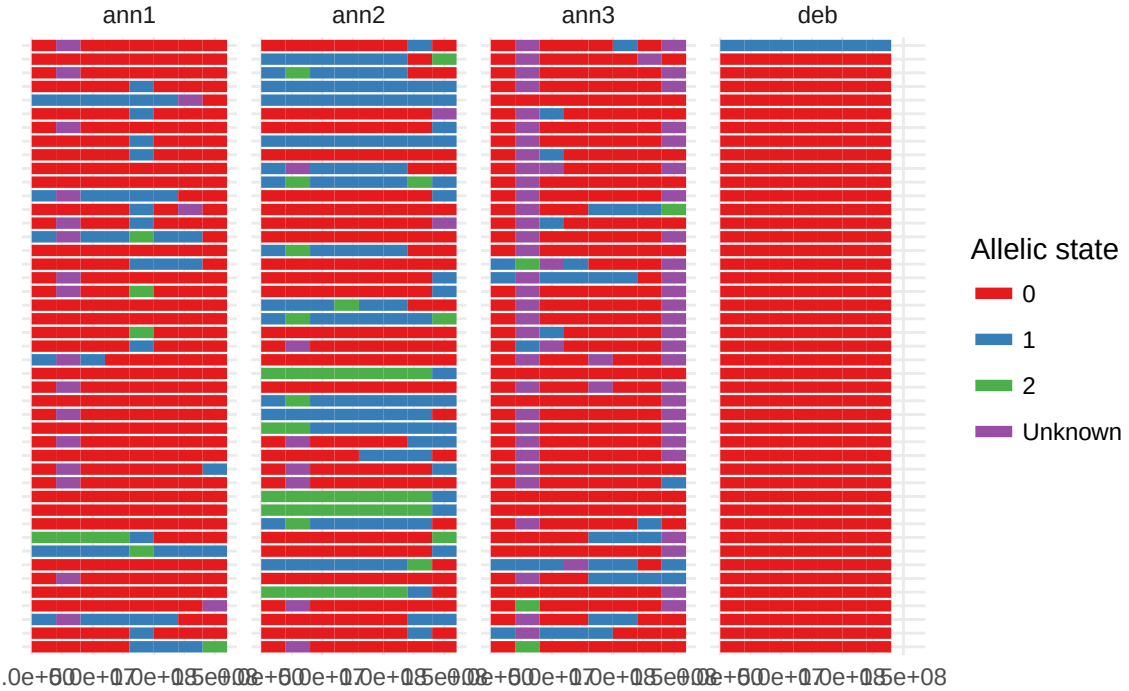

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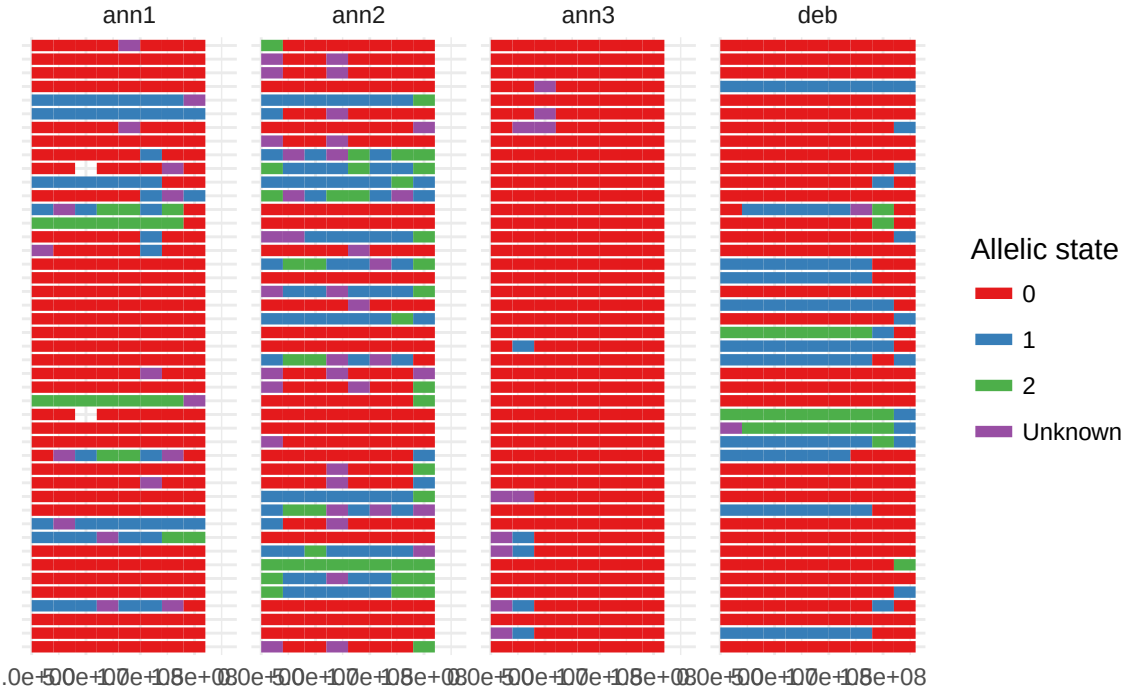

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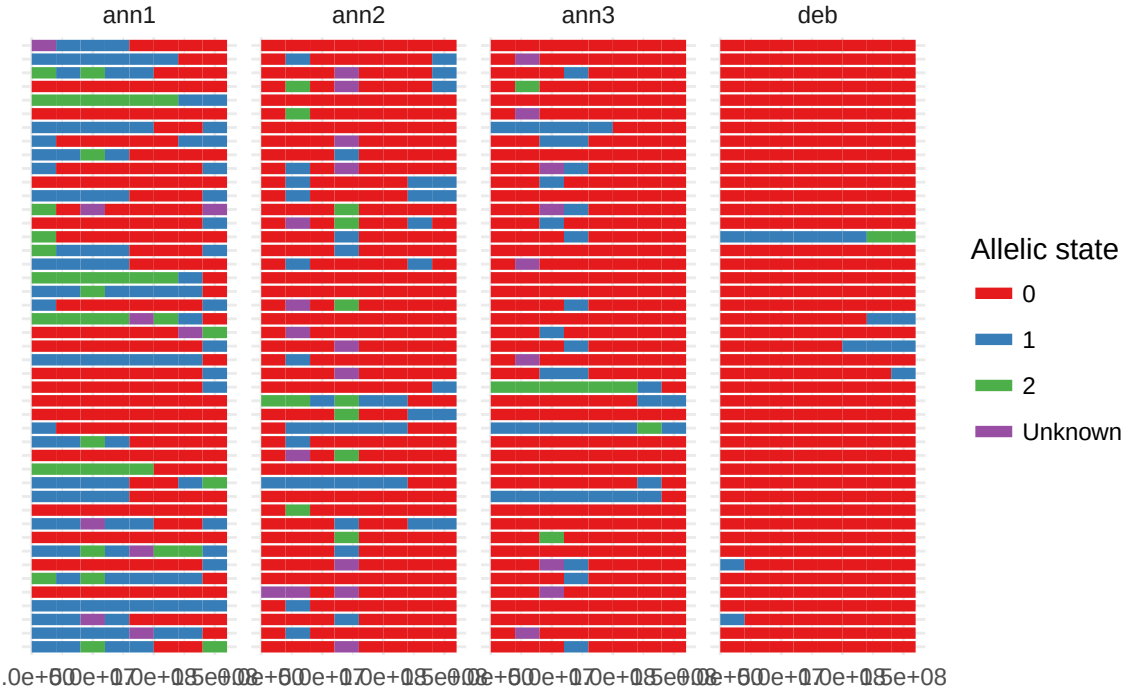

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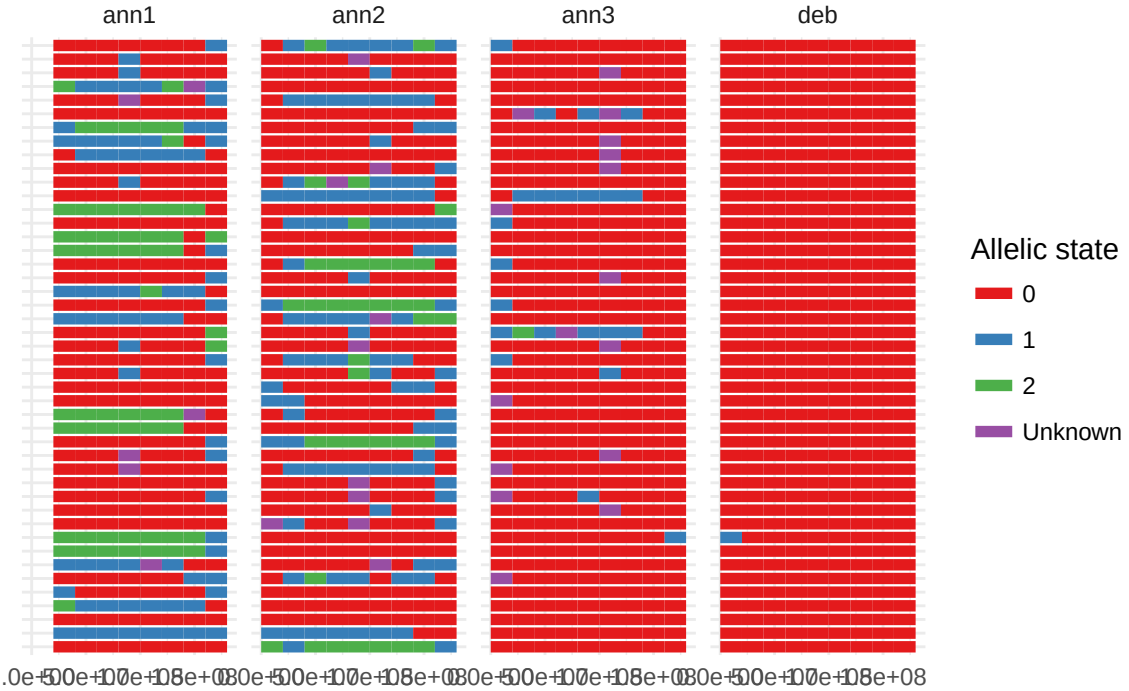

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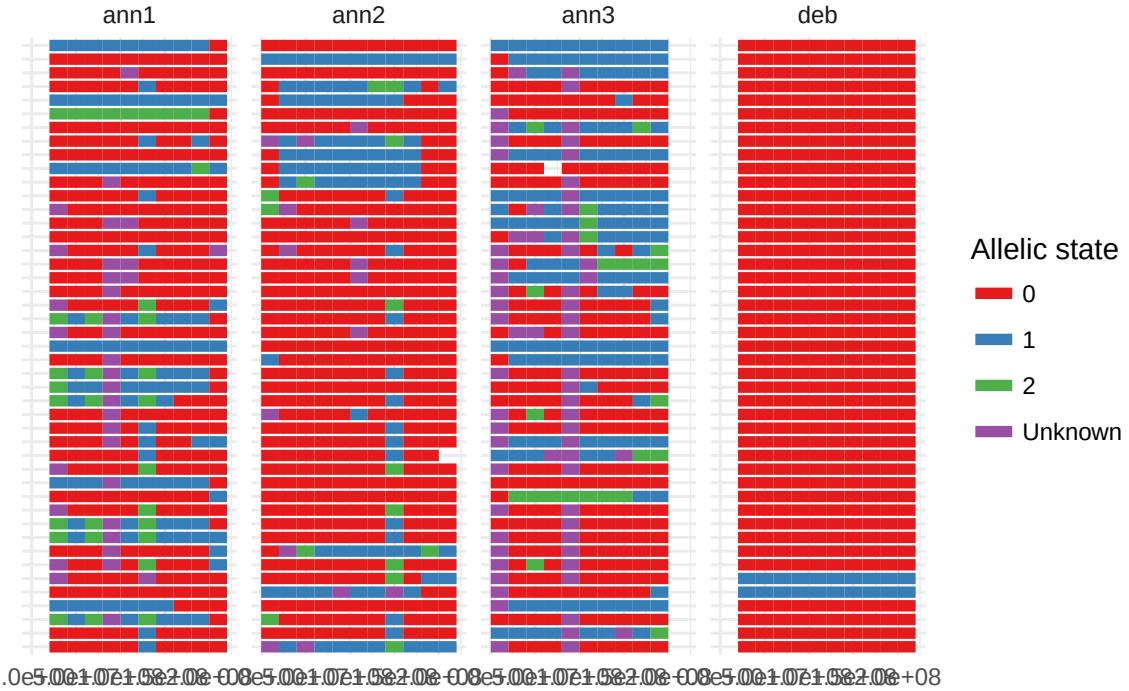

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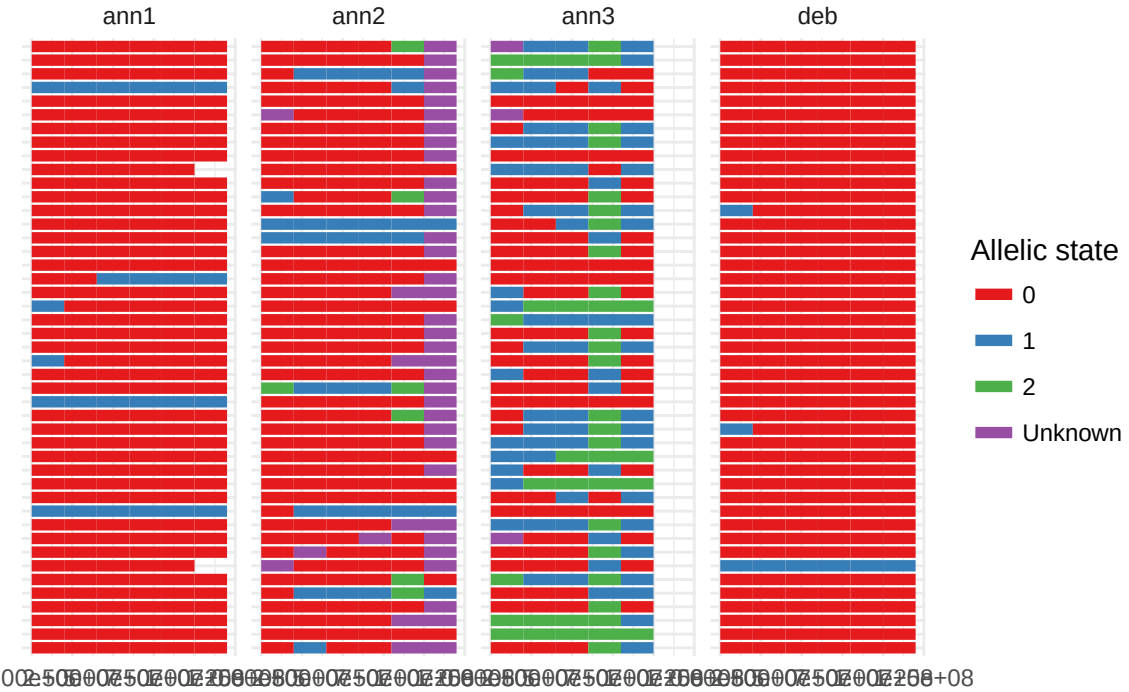

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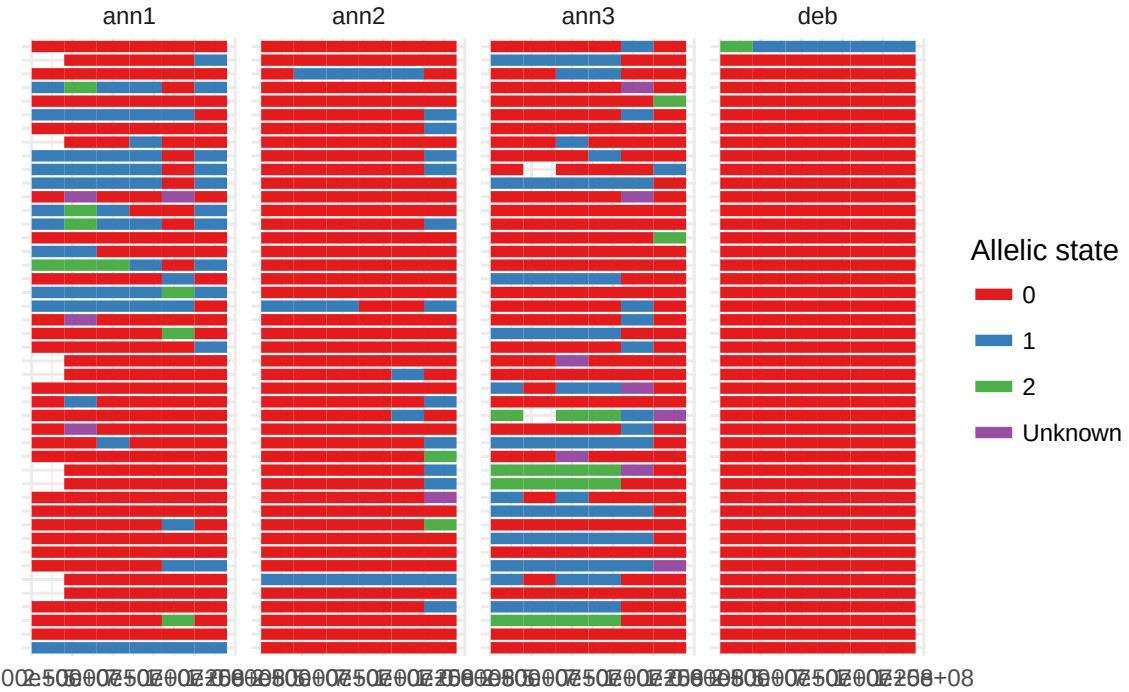

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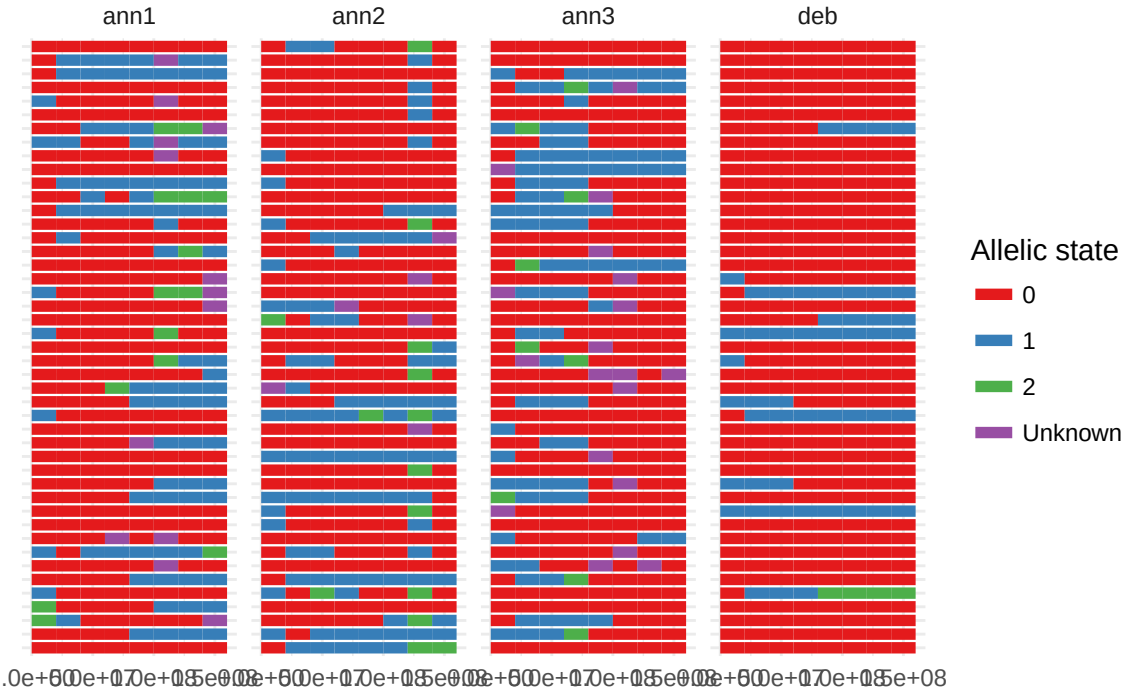

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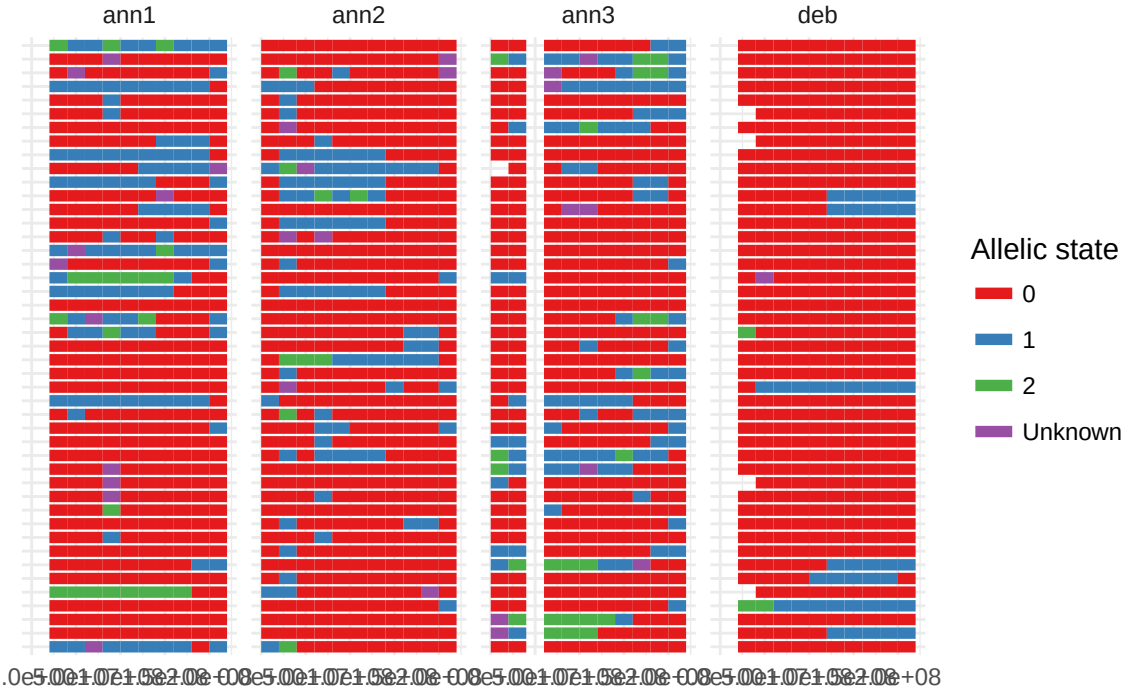

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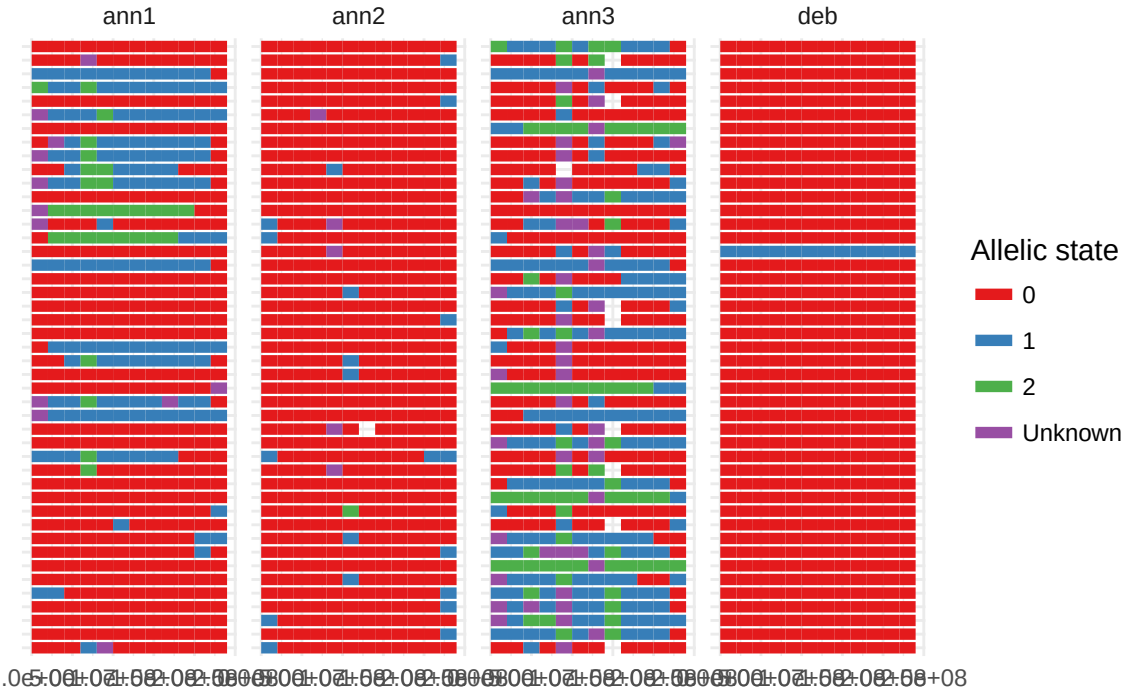

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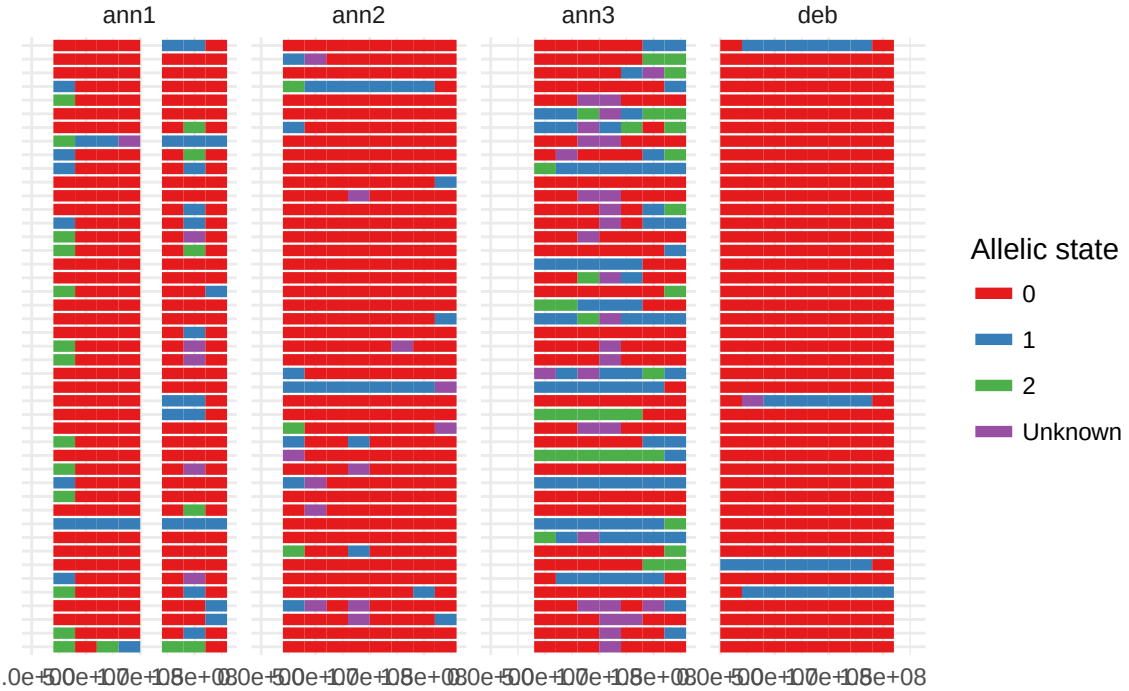

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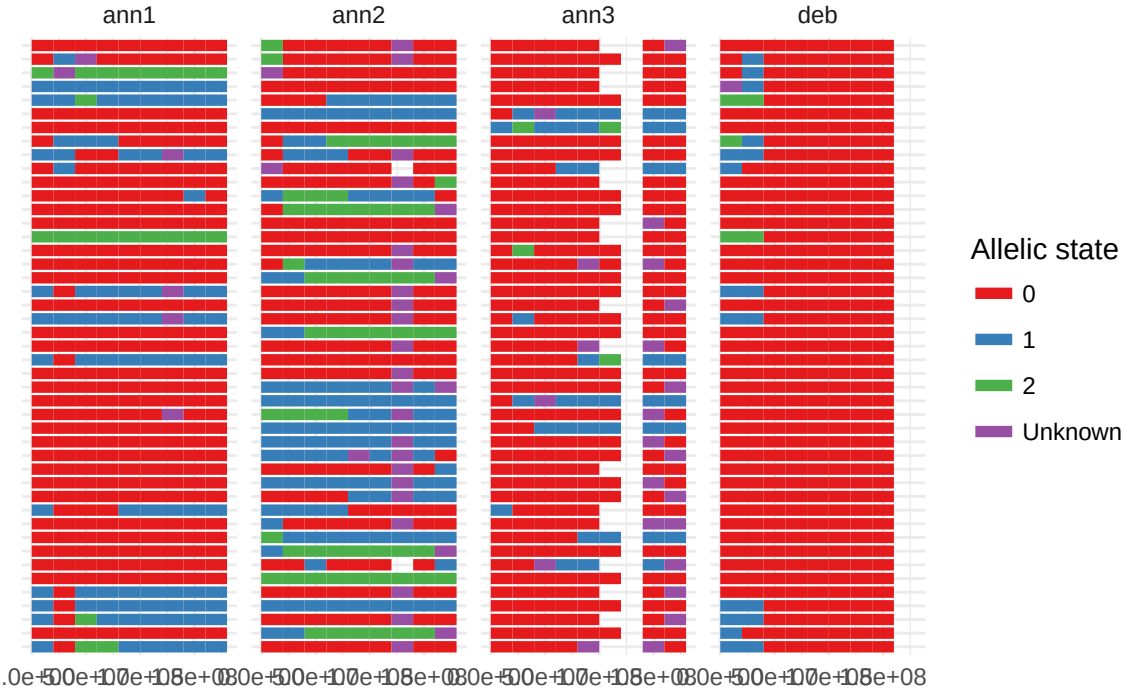

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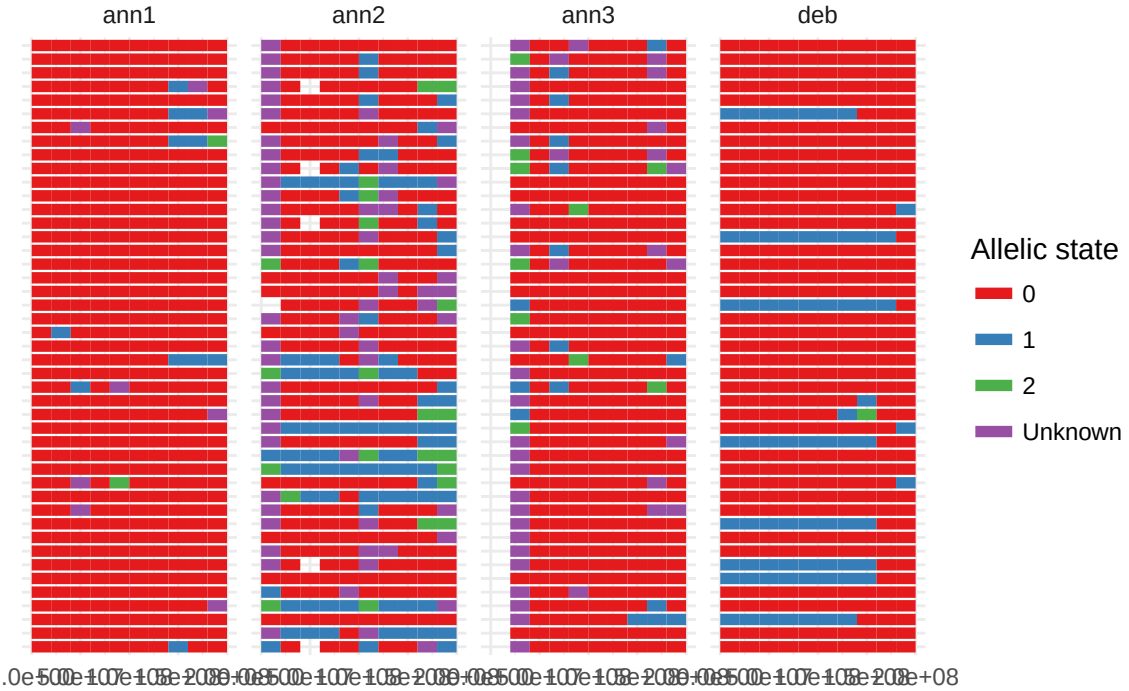

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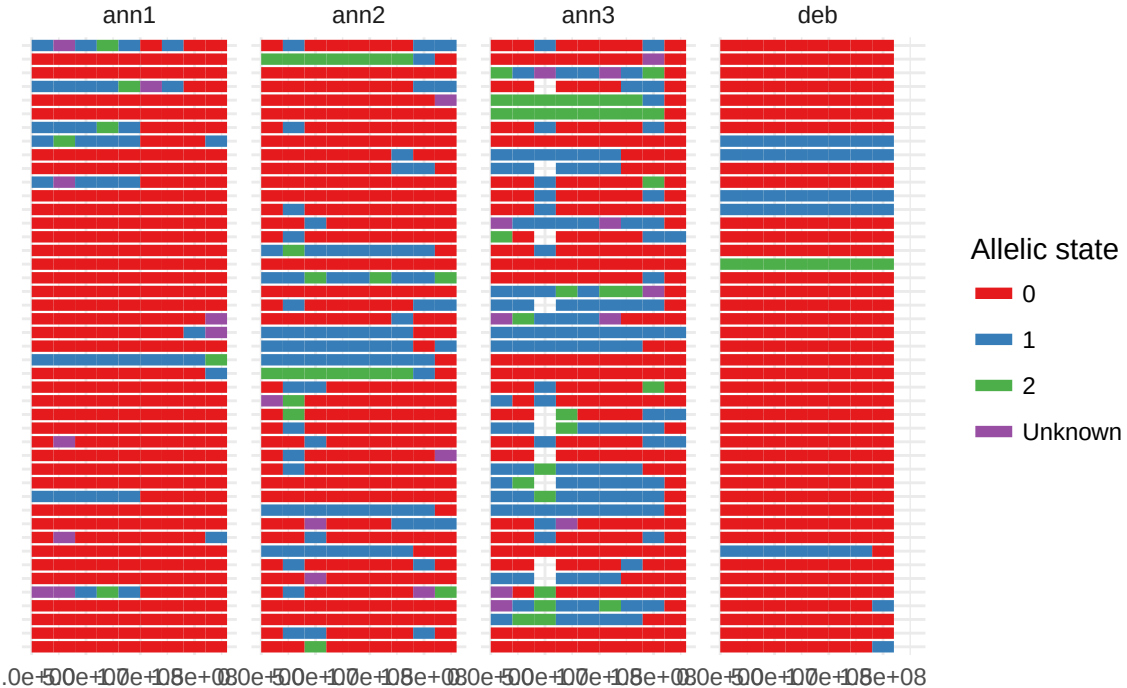

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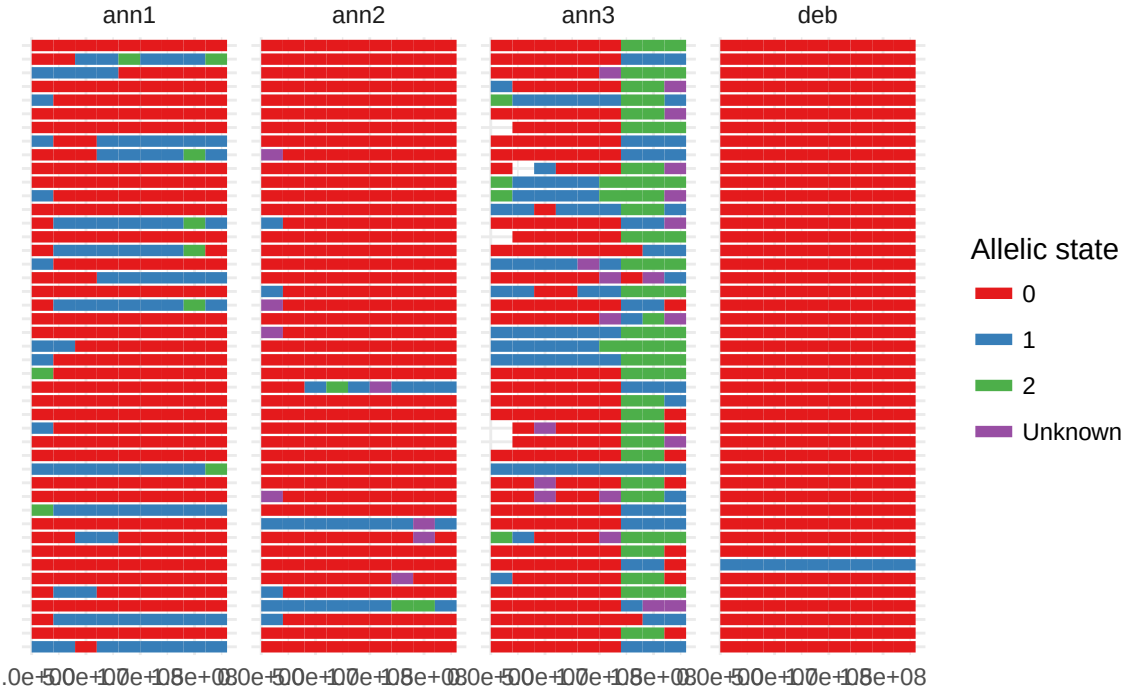

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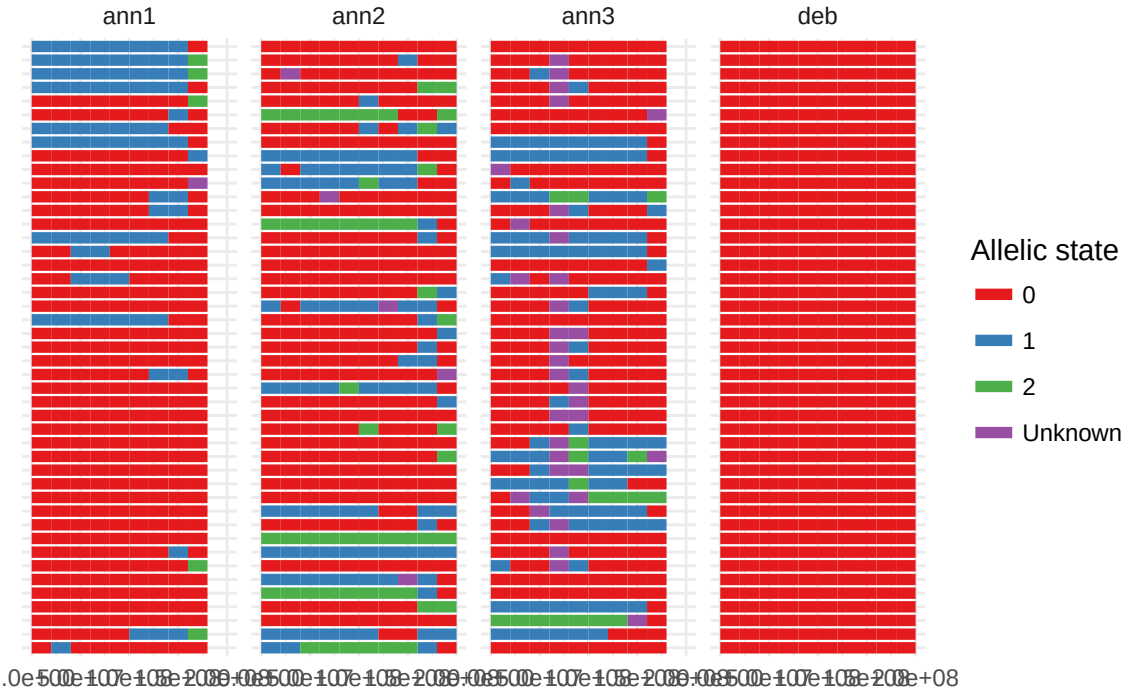

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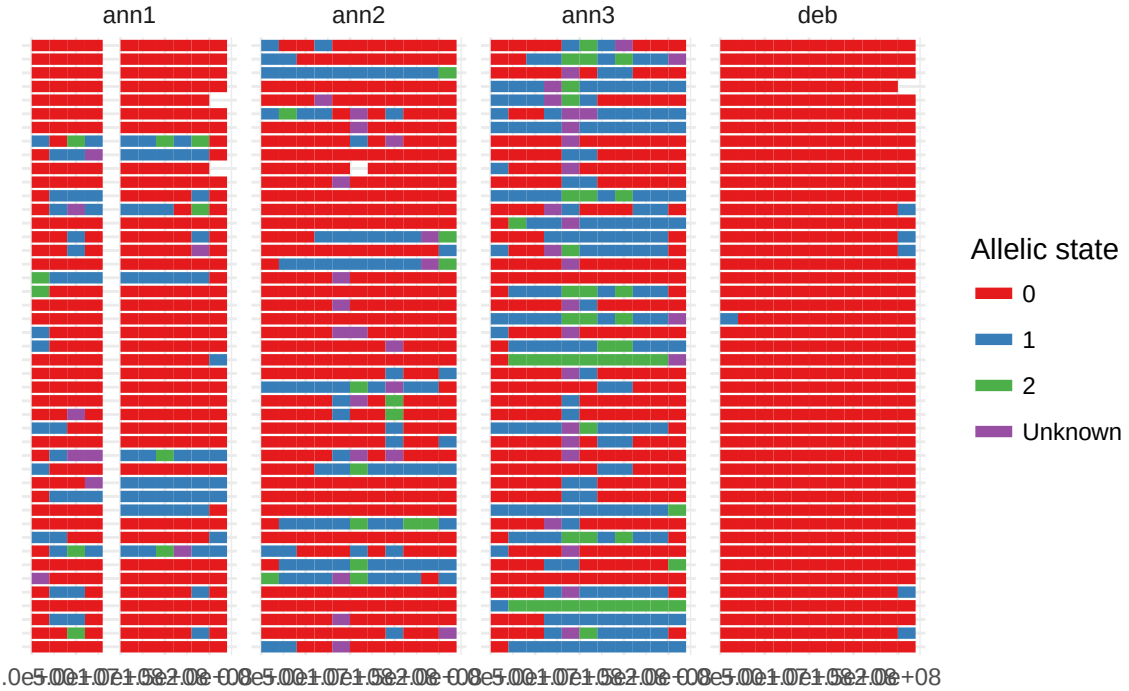

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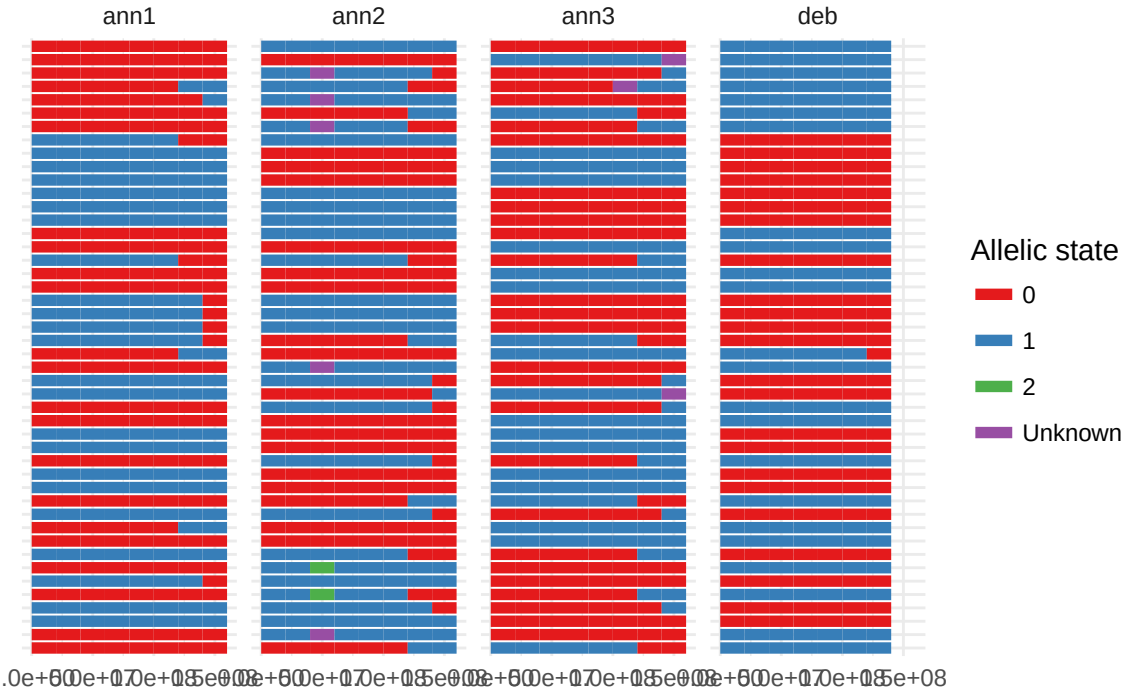

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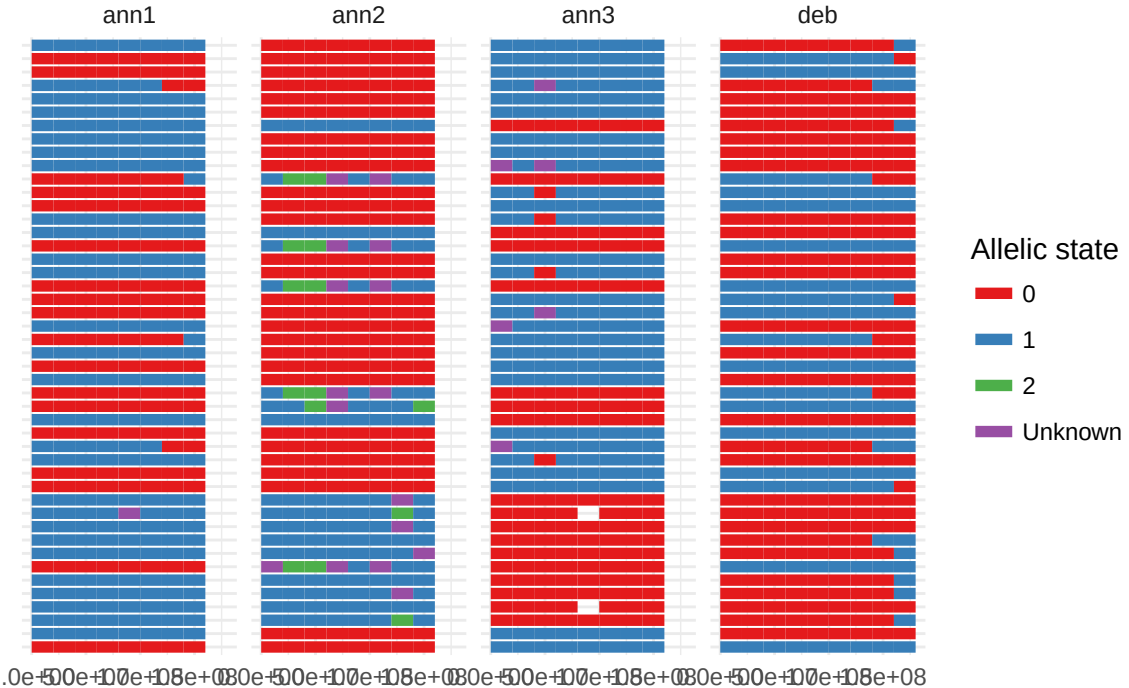

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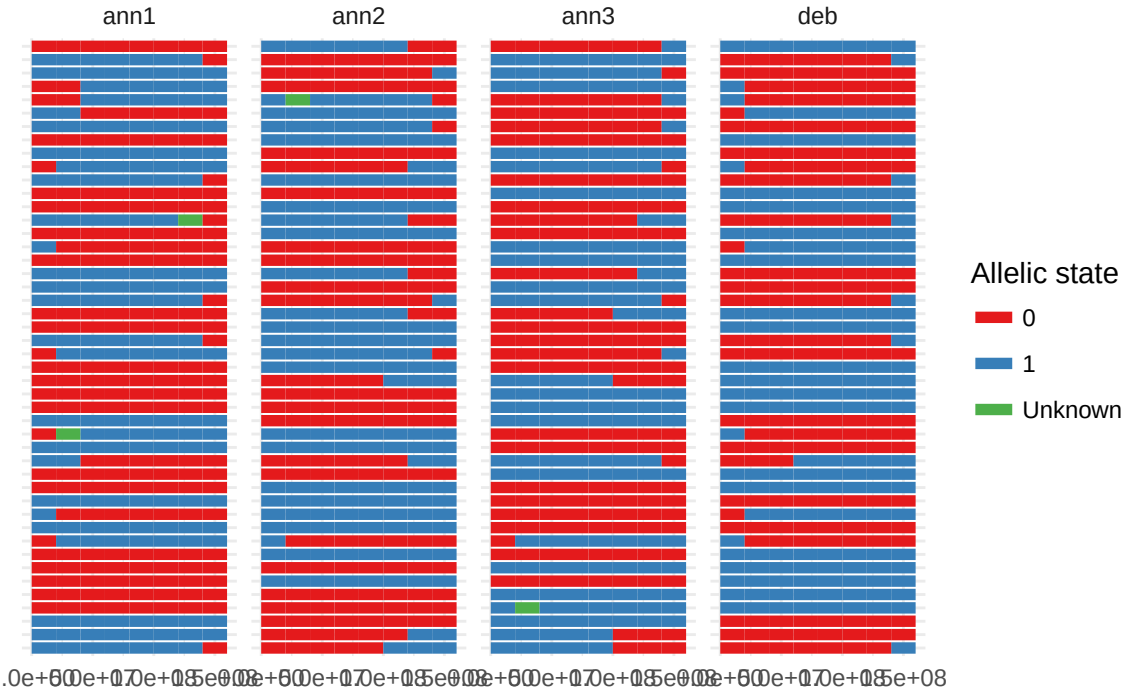

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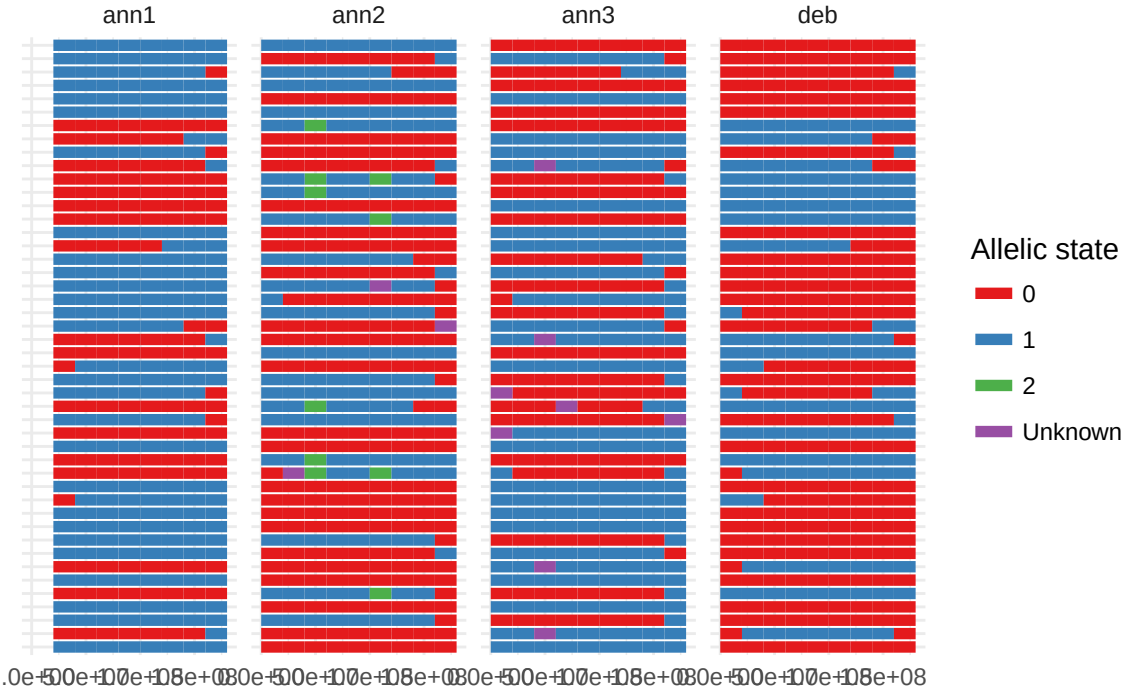

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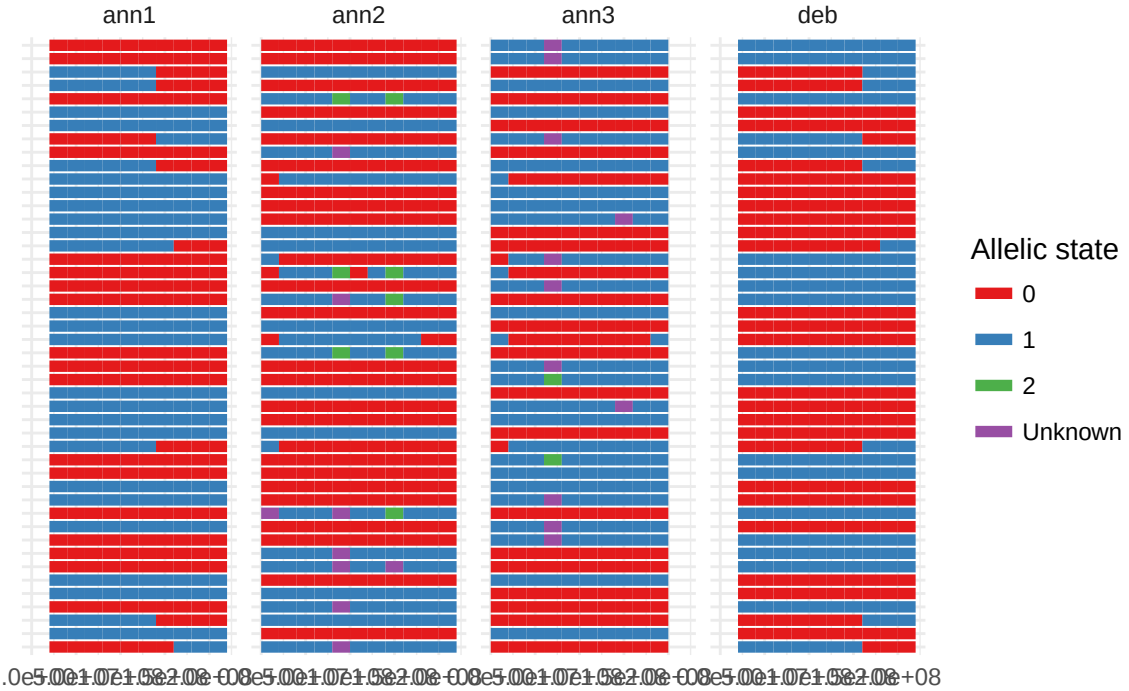

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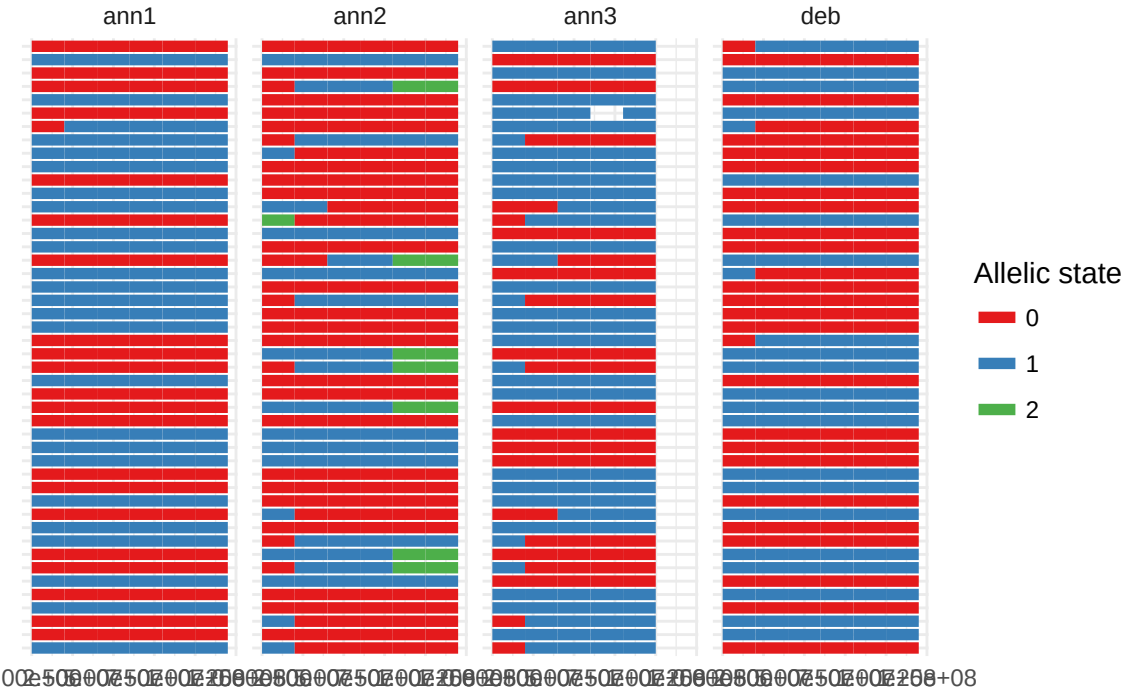

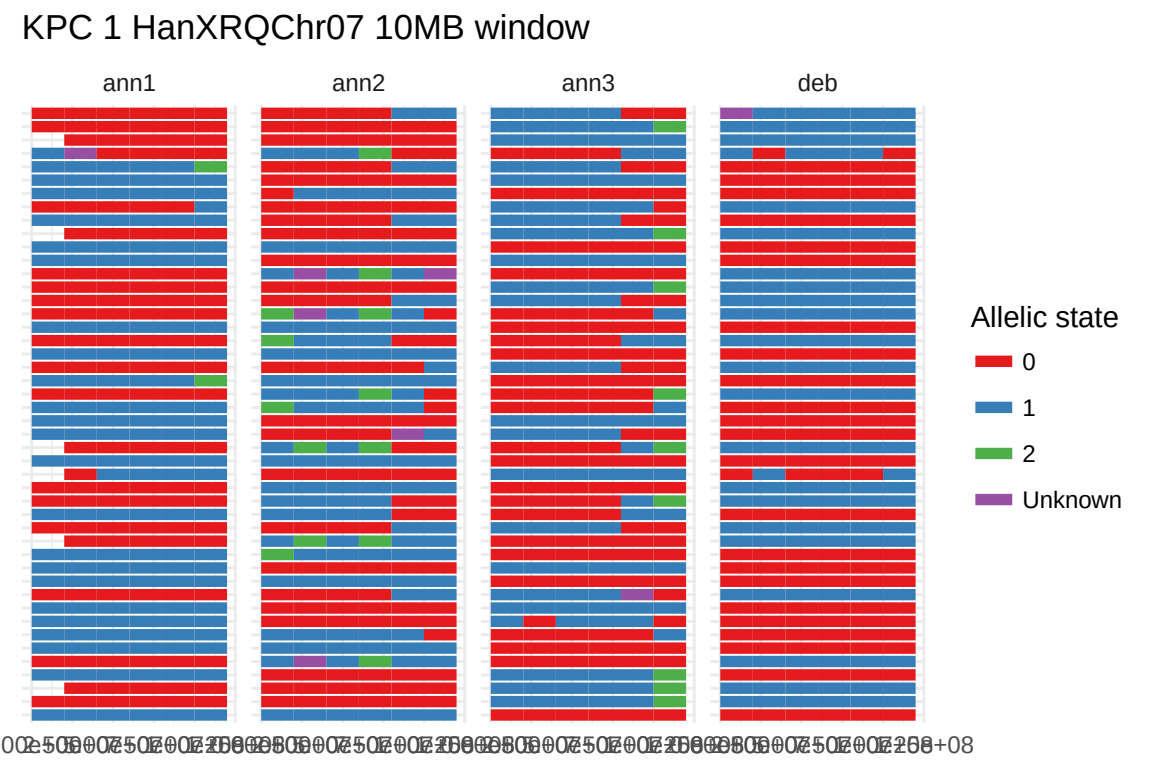
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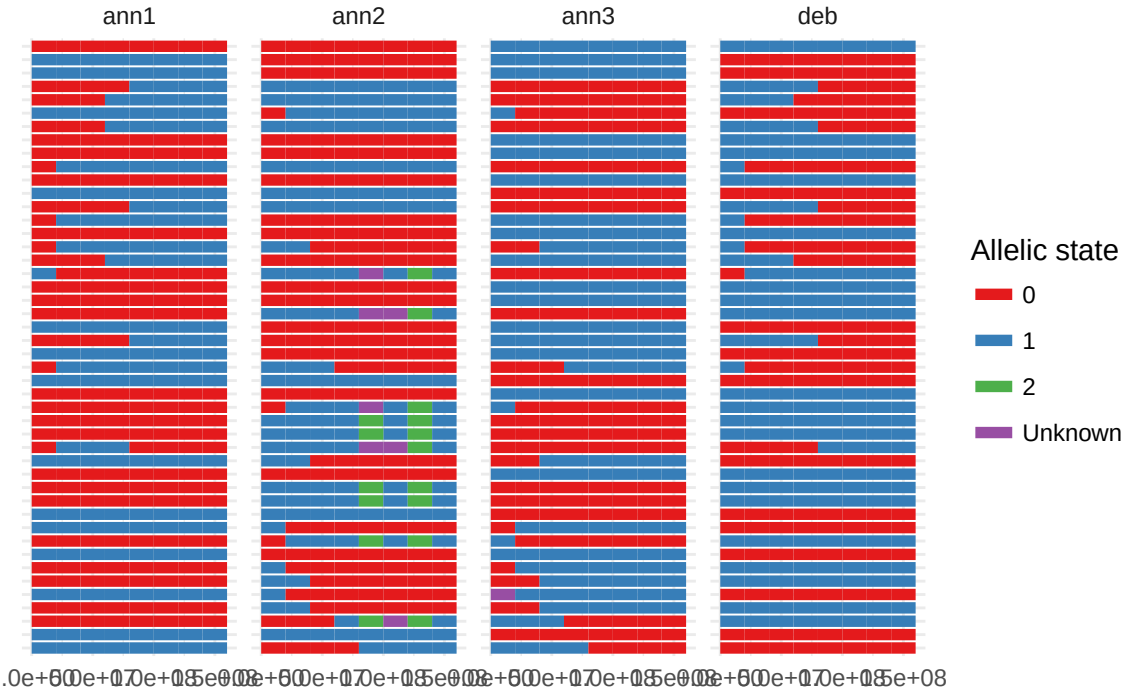

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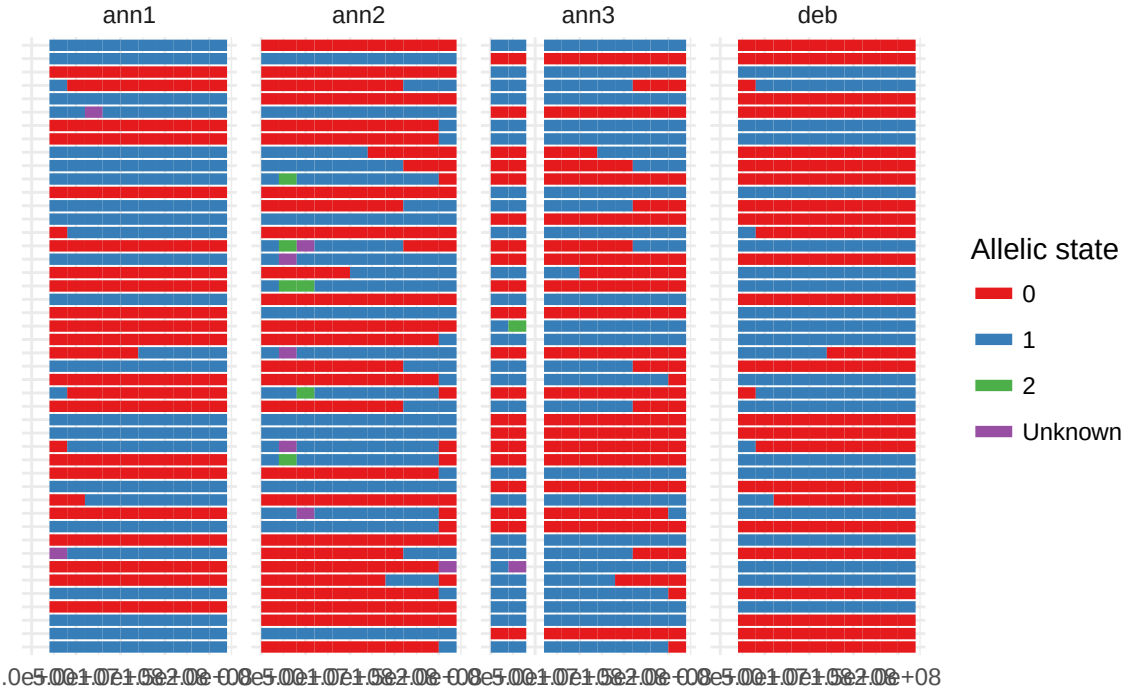

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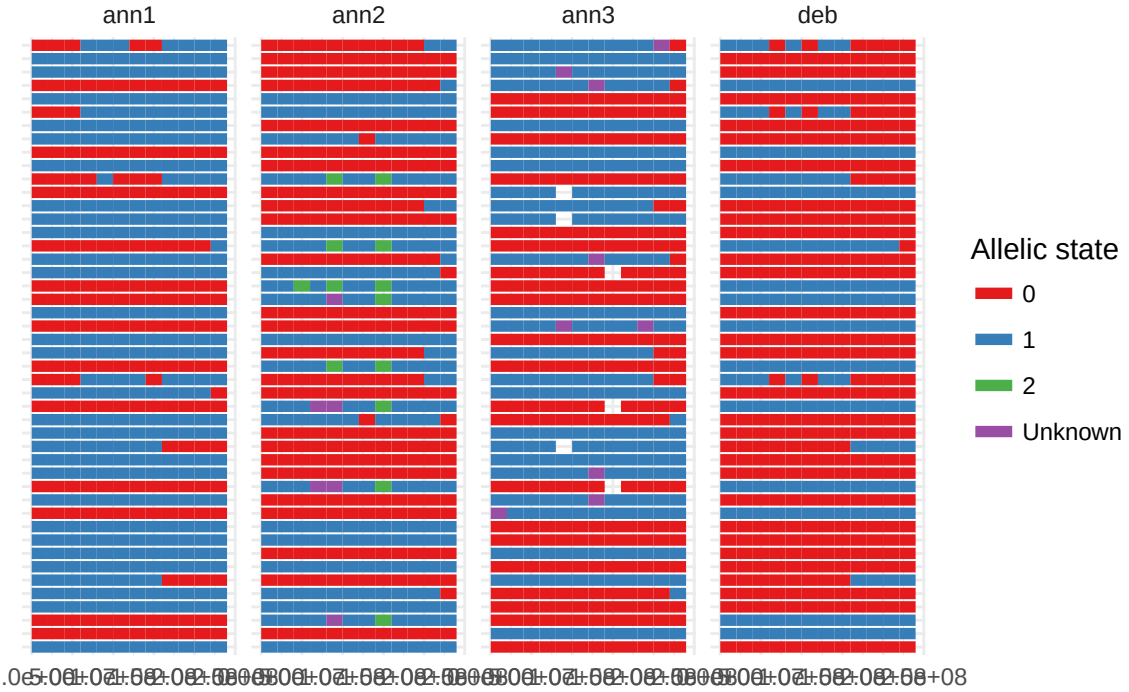

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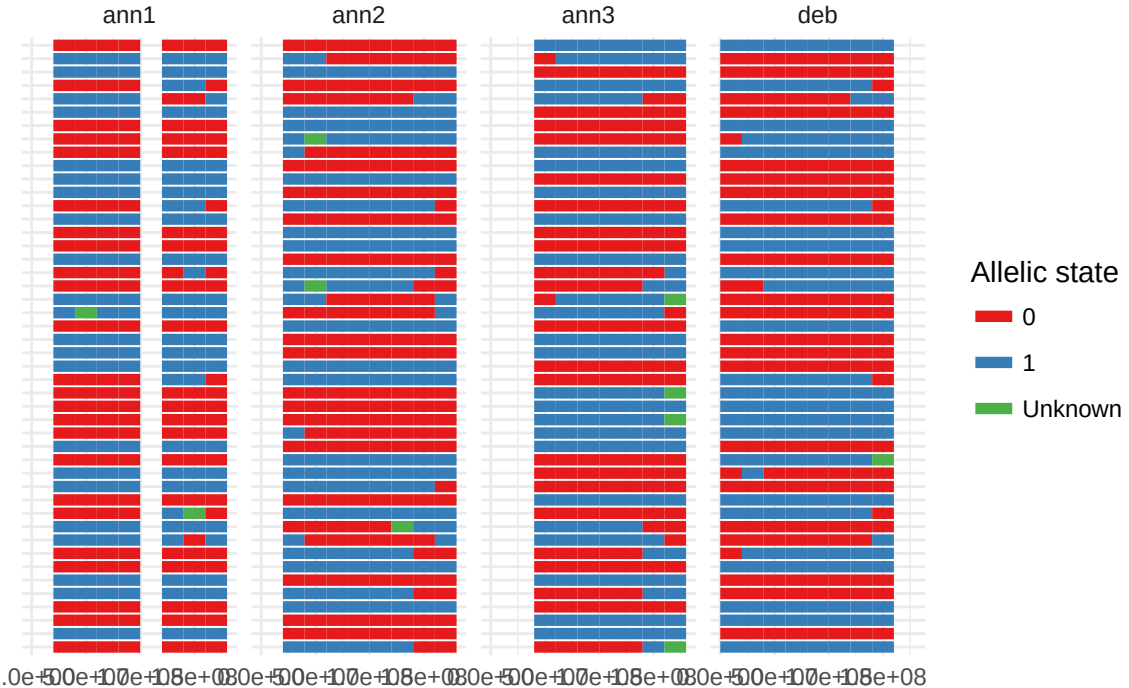

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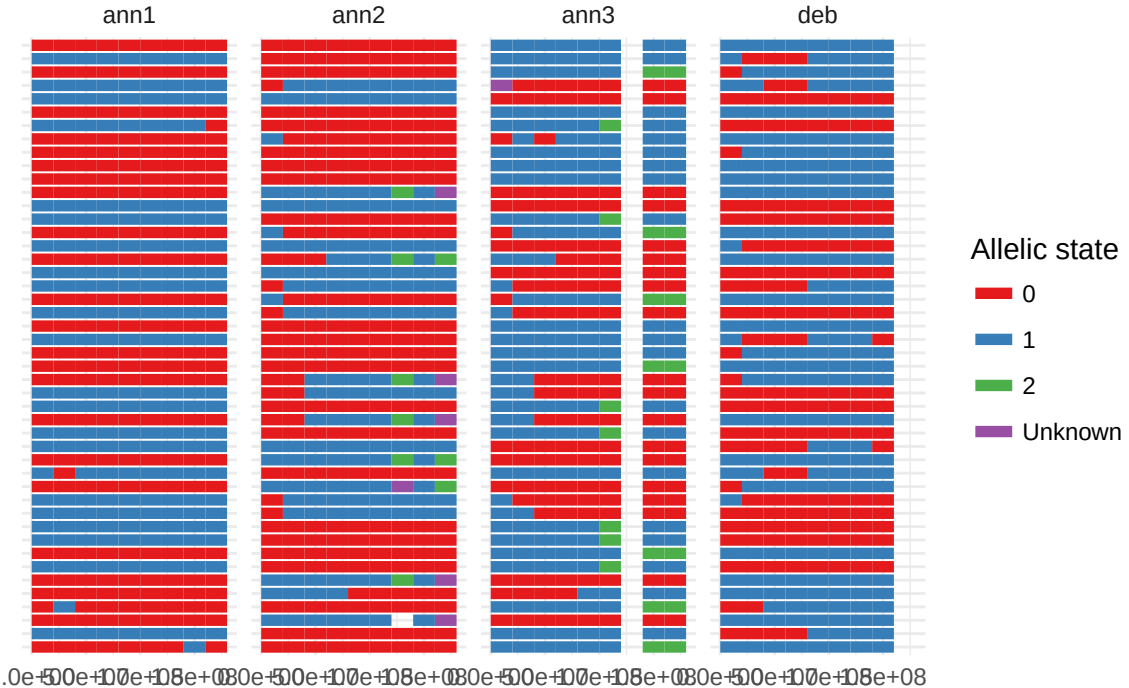

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ann3
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1
2
Unknown

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ann2
ann3
deb
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0
1
2
Unknown

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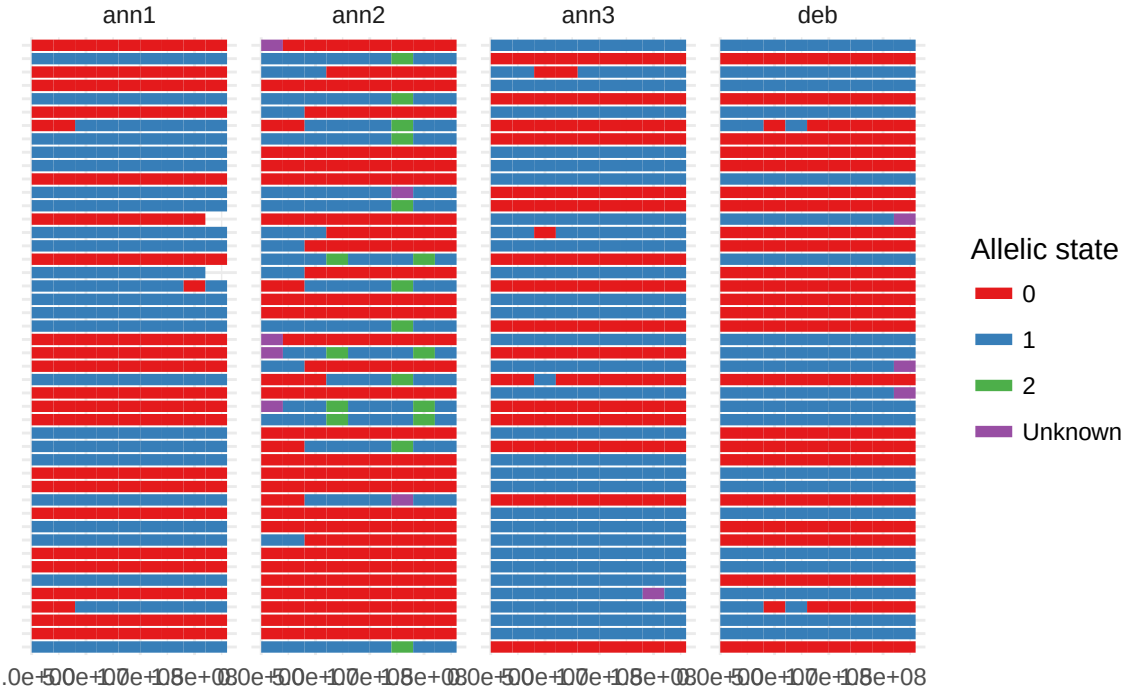

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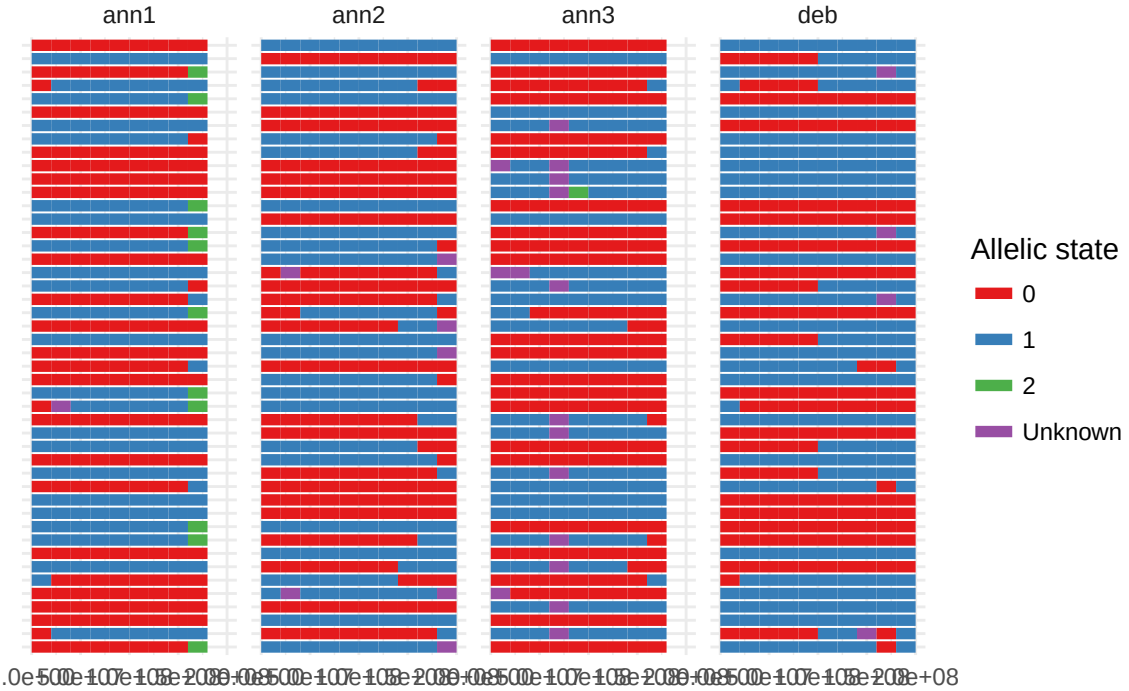

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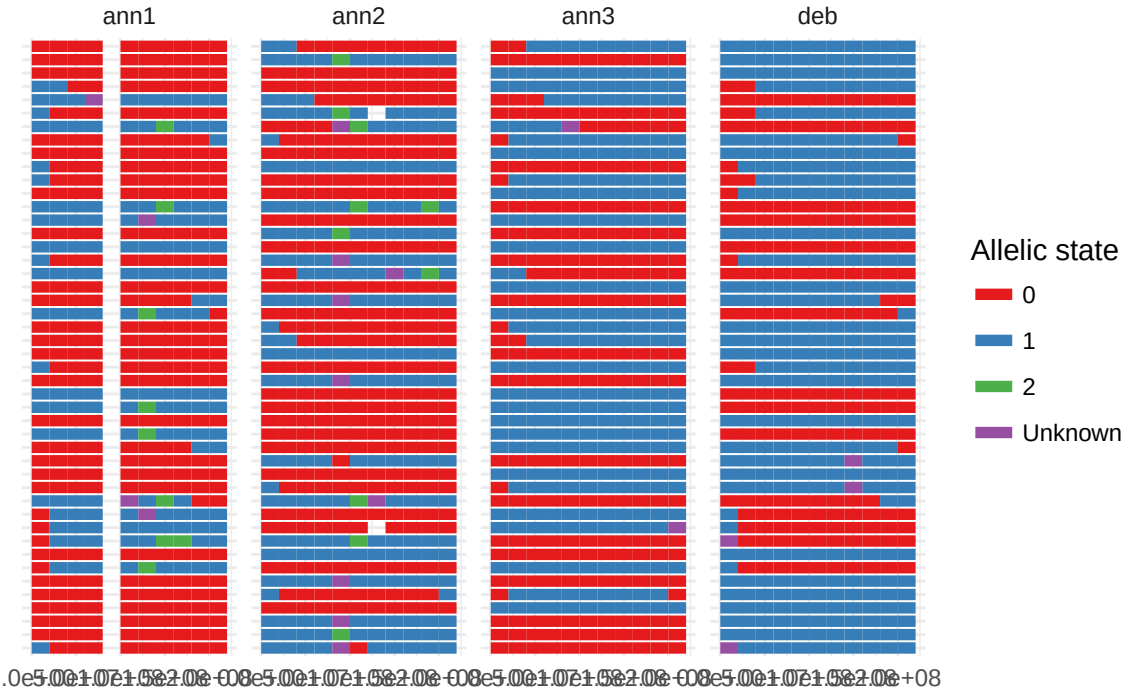

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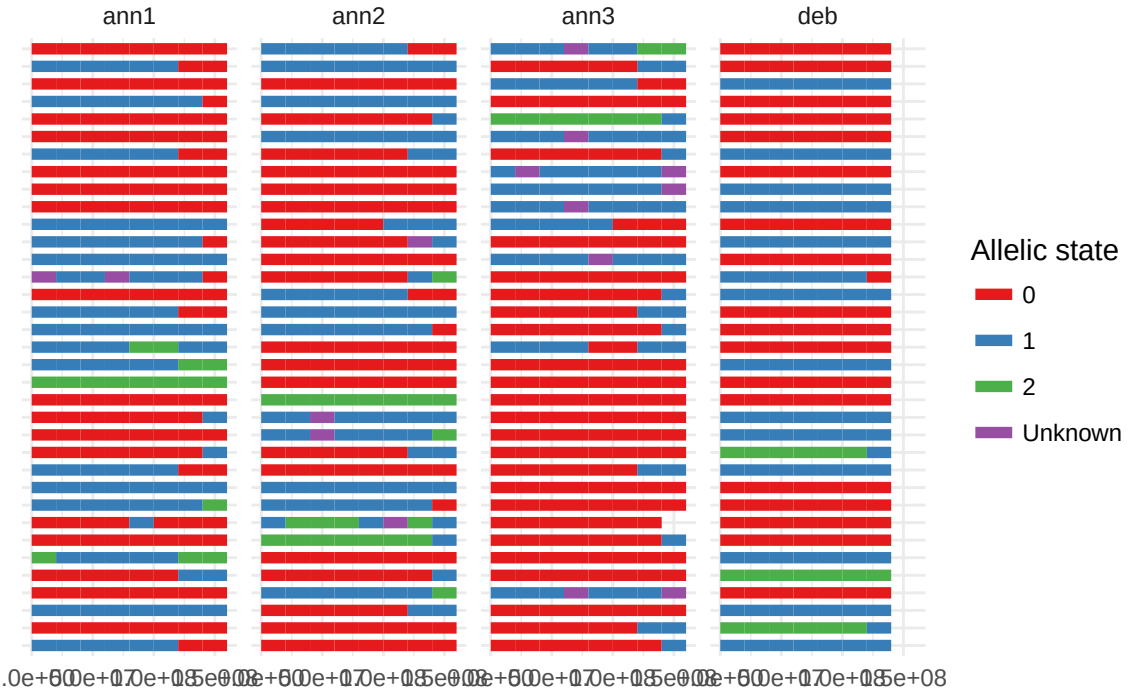

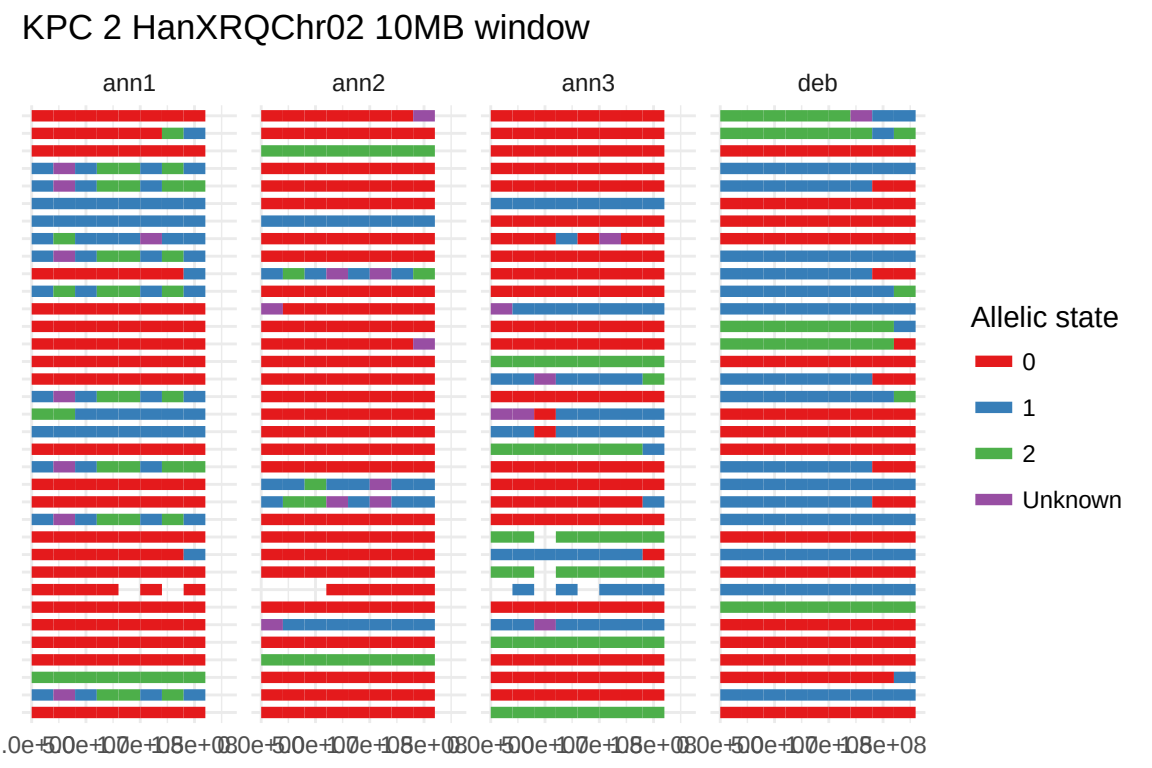
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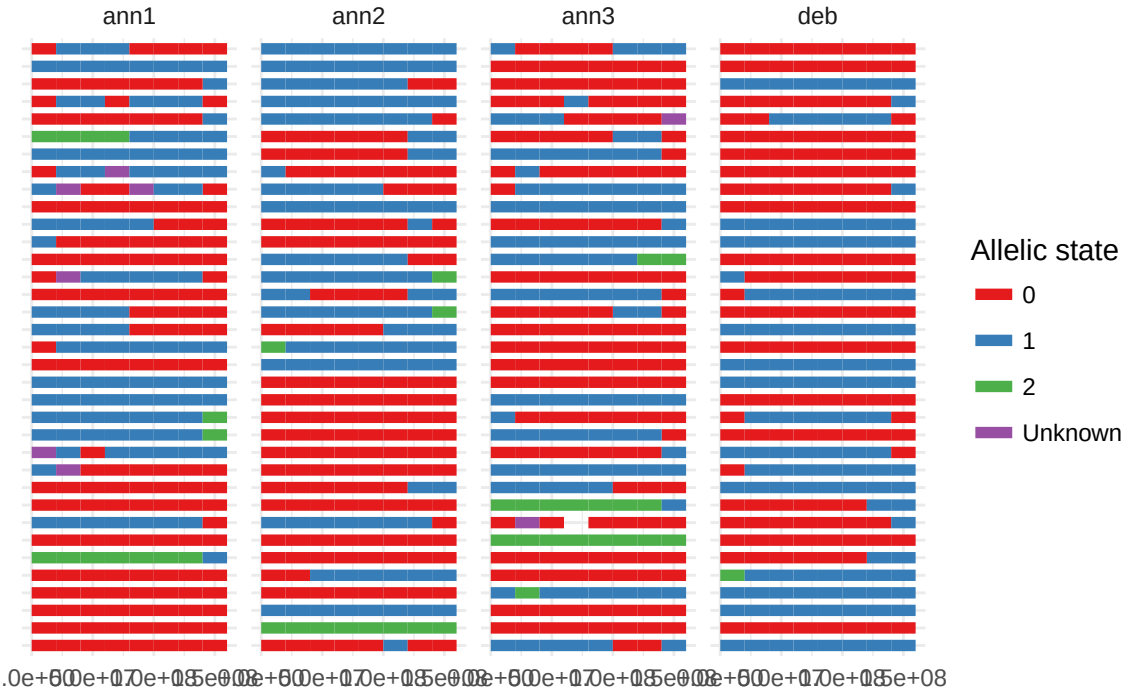
KPC 2 HanXRQChr03 10MB window



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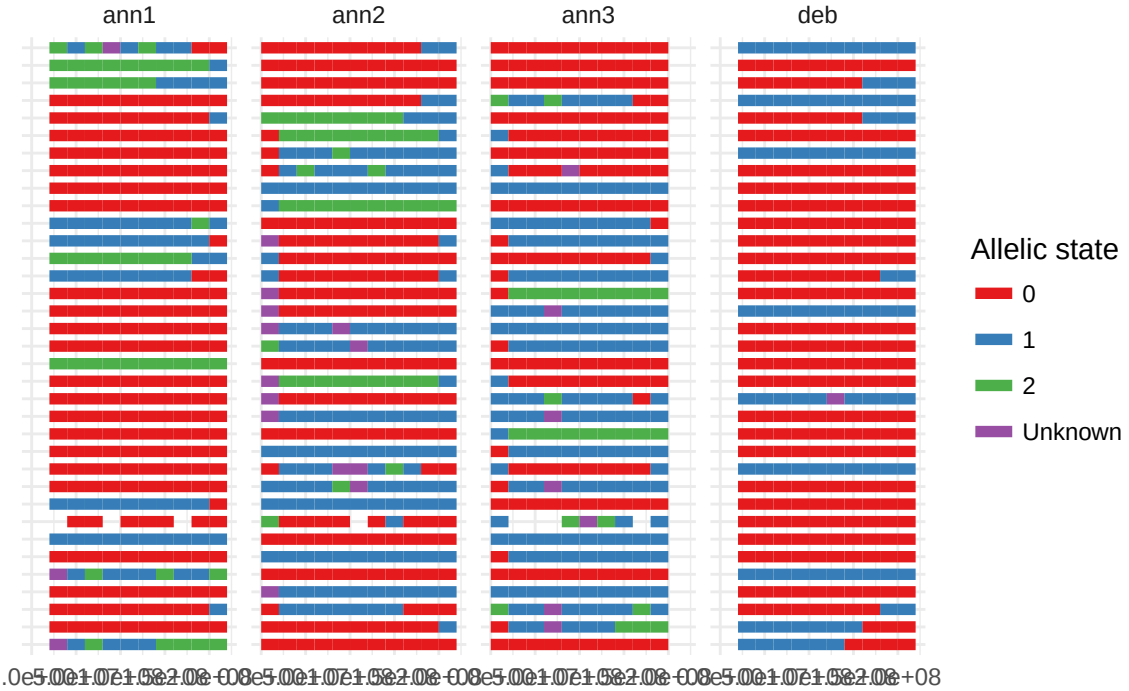

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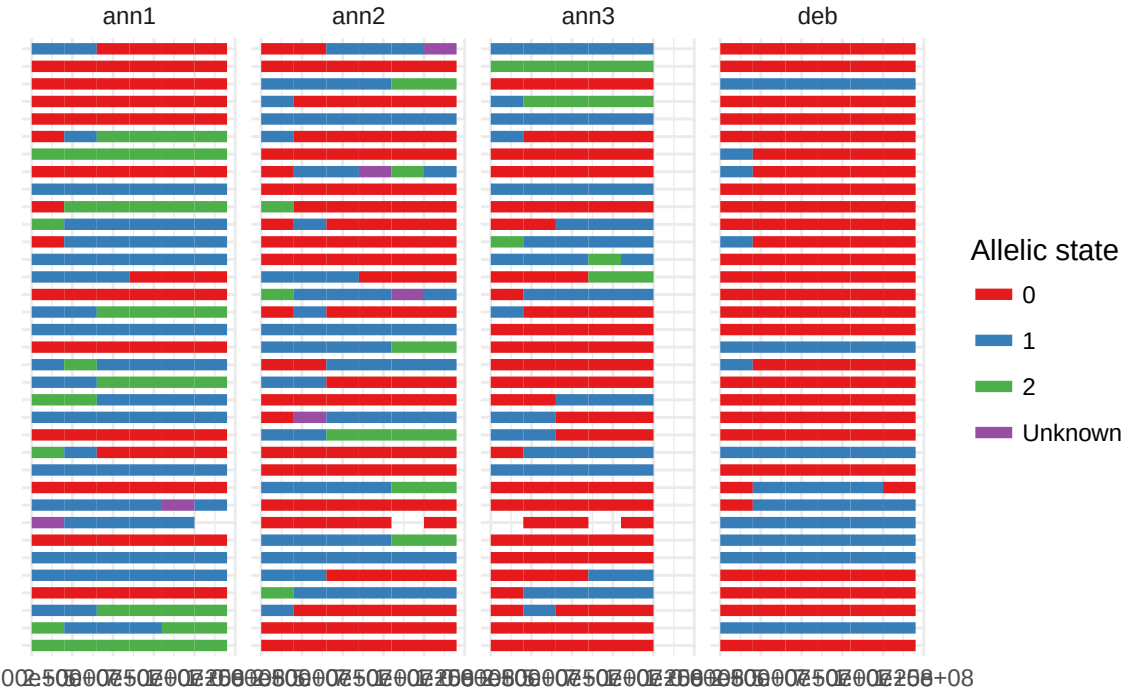

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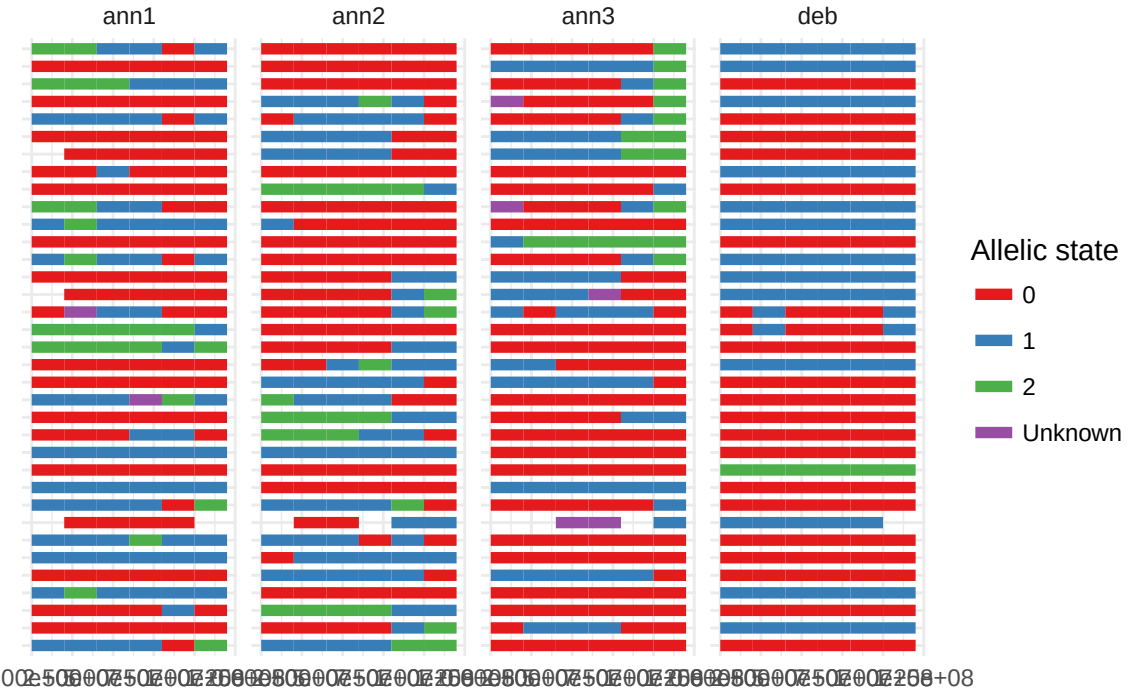

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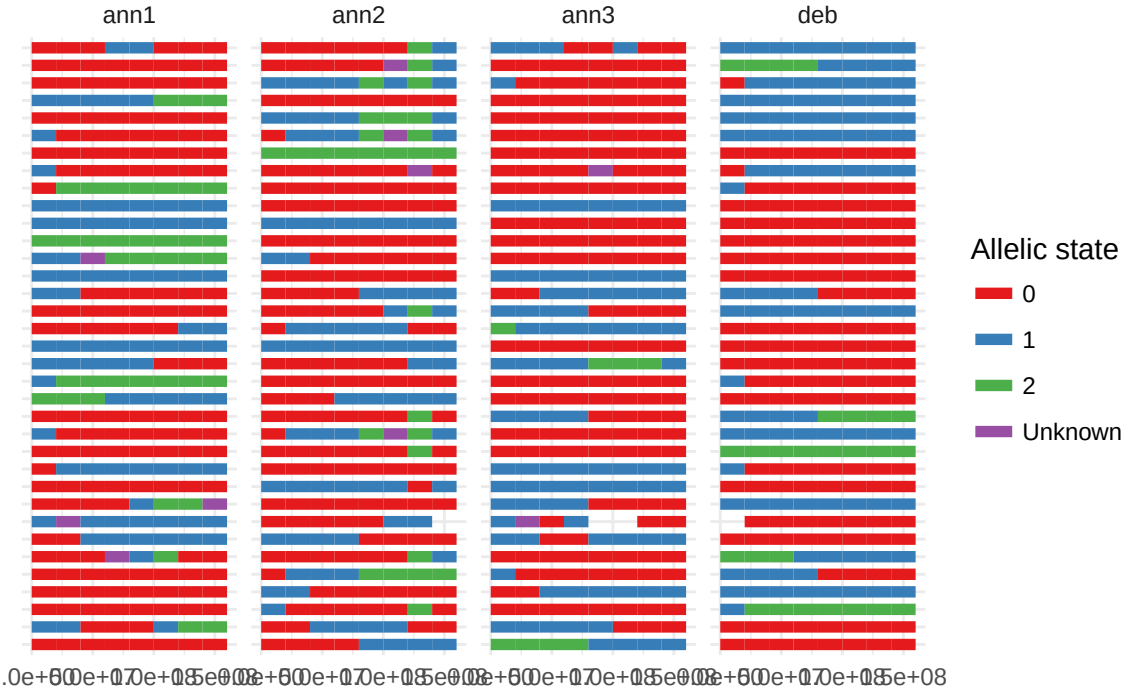

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deb
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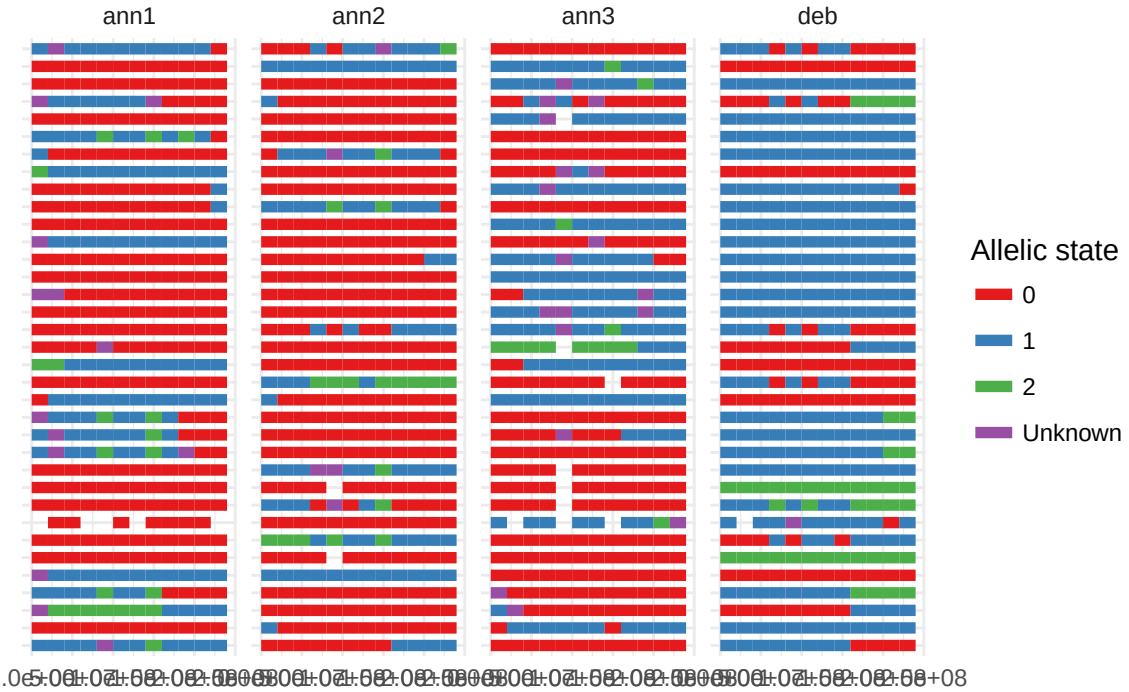
1
2
Unknown

KPC 2 HanXRQChr10 10MB window



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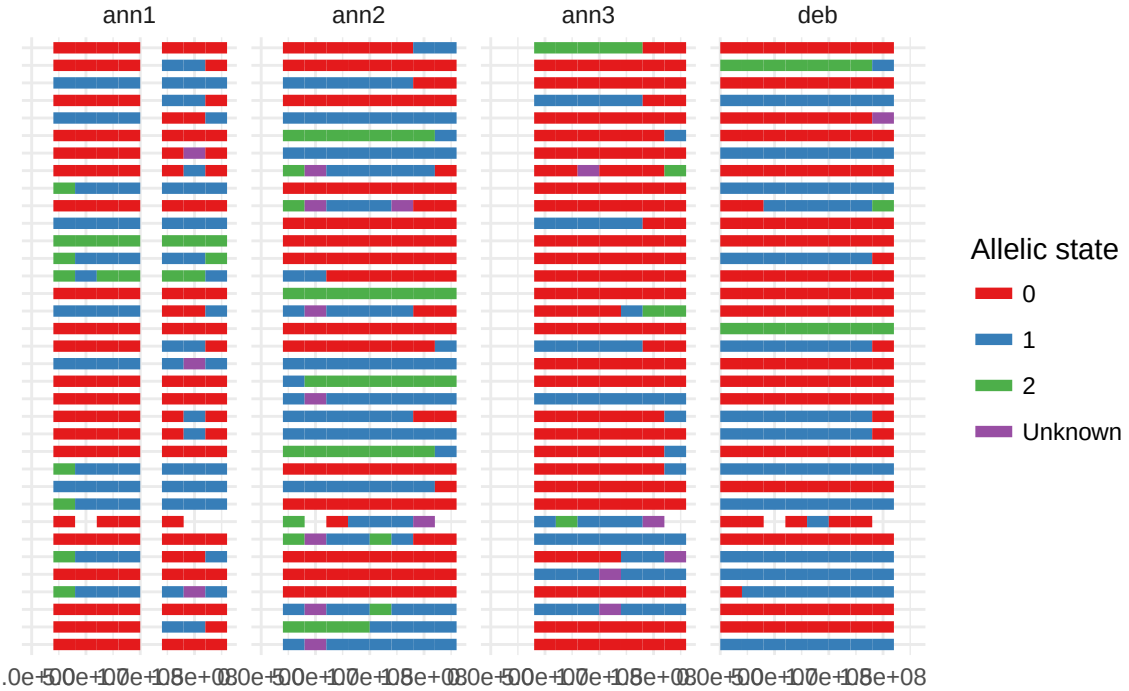

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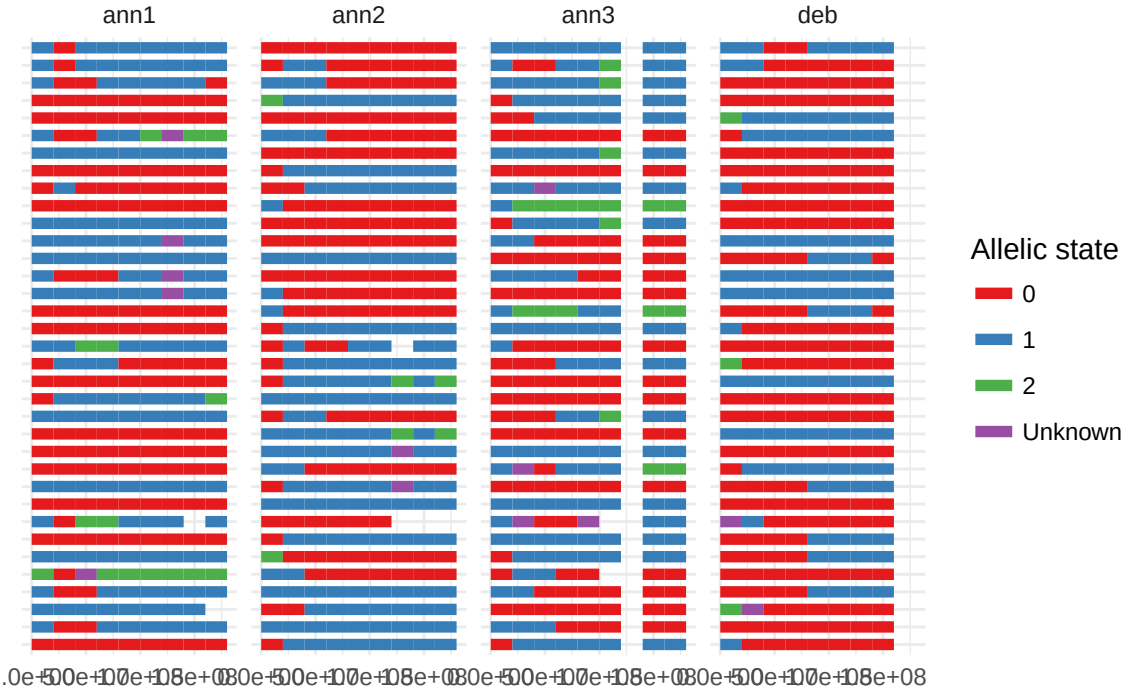

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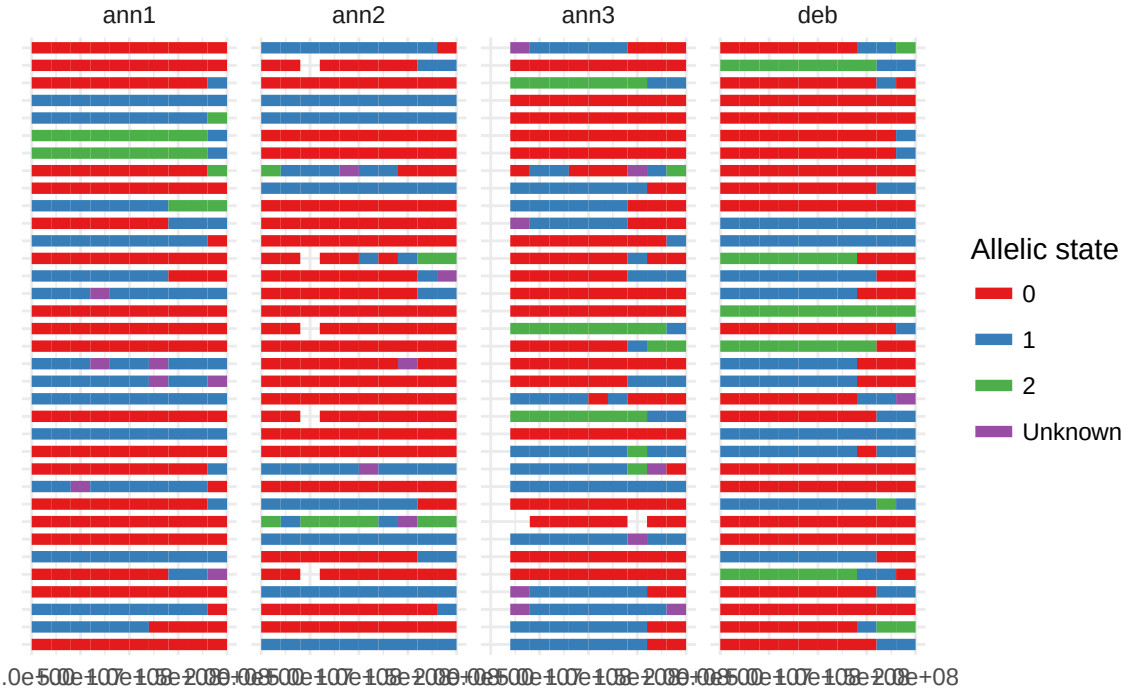

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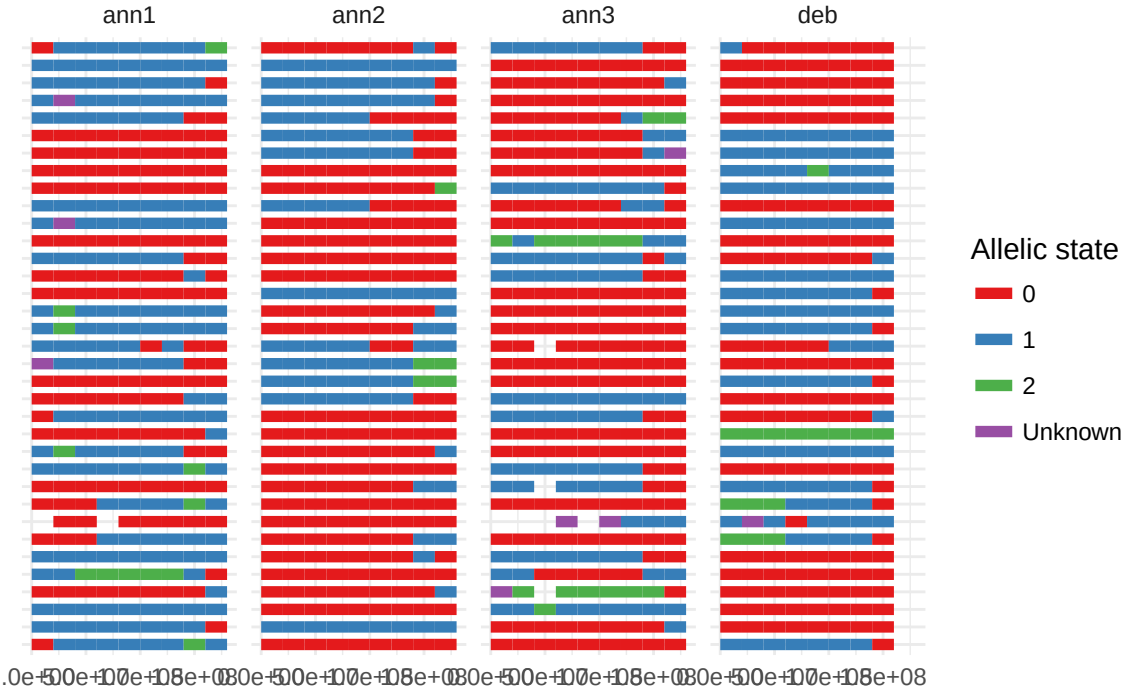

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1
2
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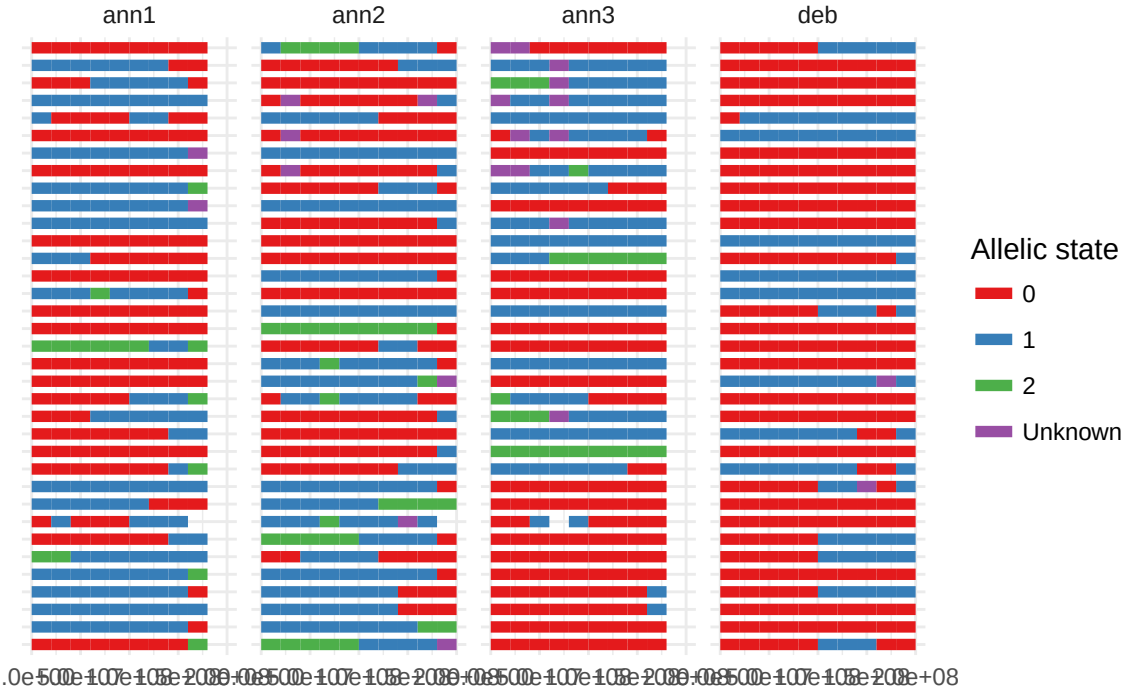
KPC 2 HanXRQChr16 10MB window



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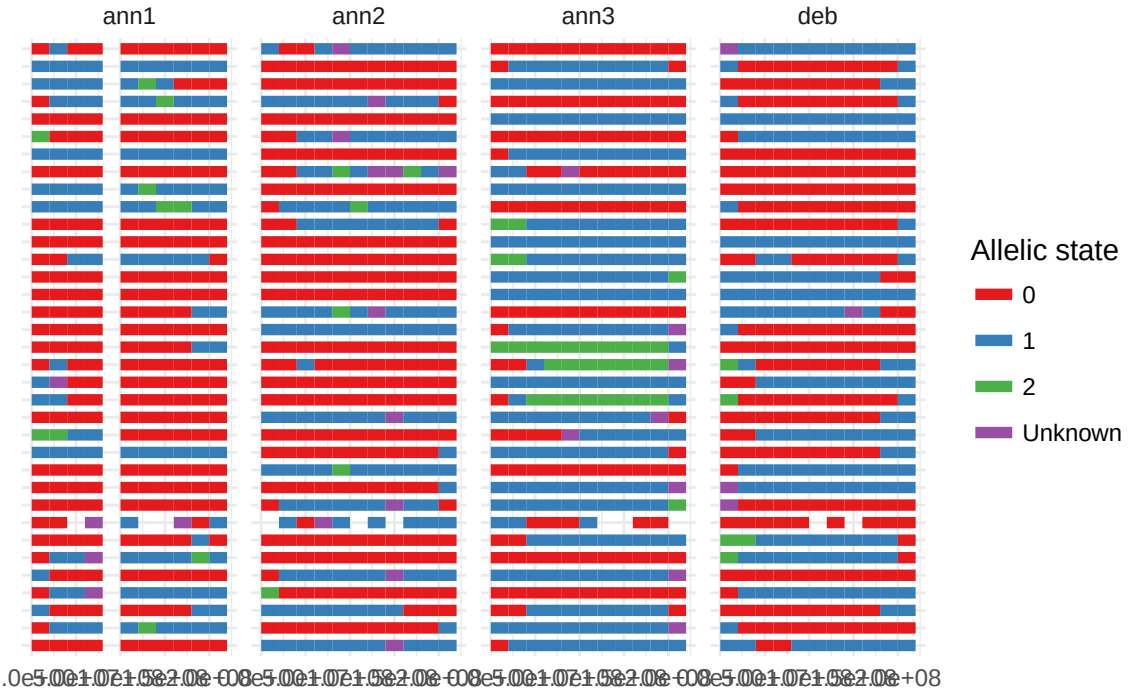
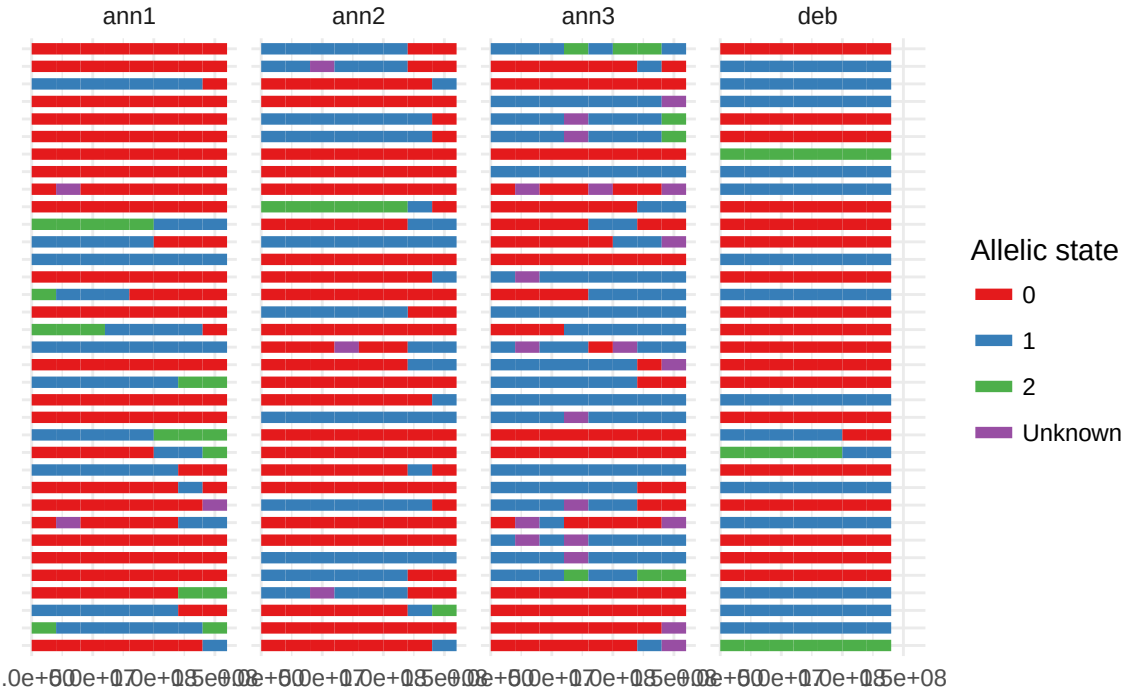


KPC 3 HanXRQChr01 10MB window



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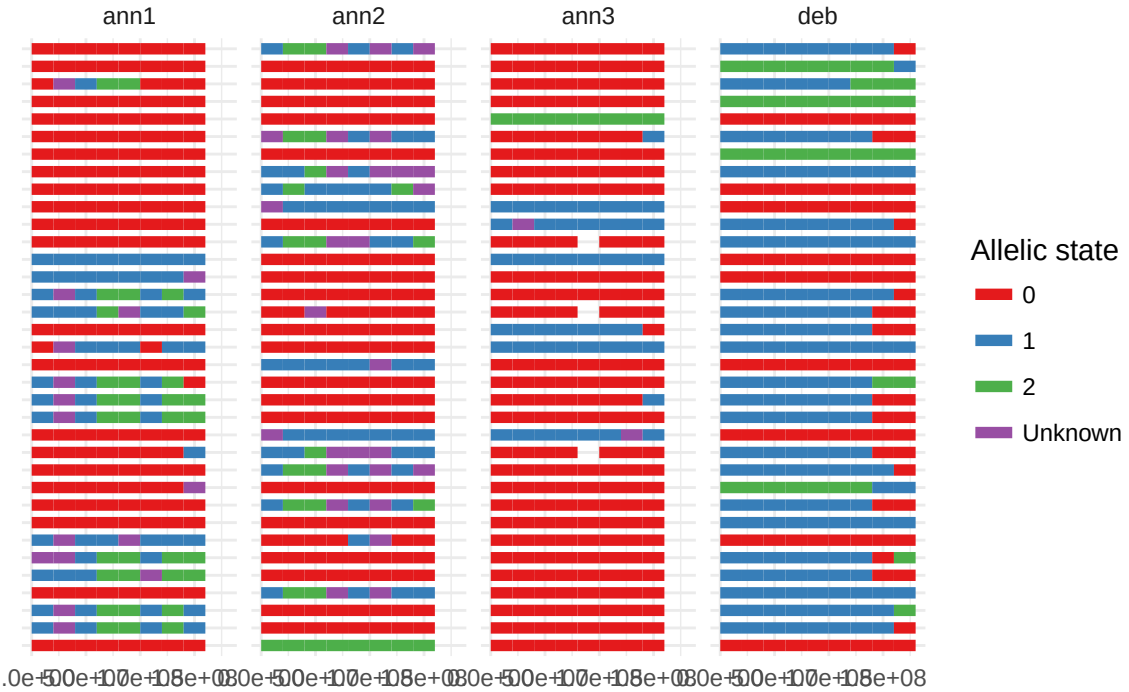

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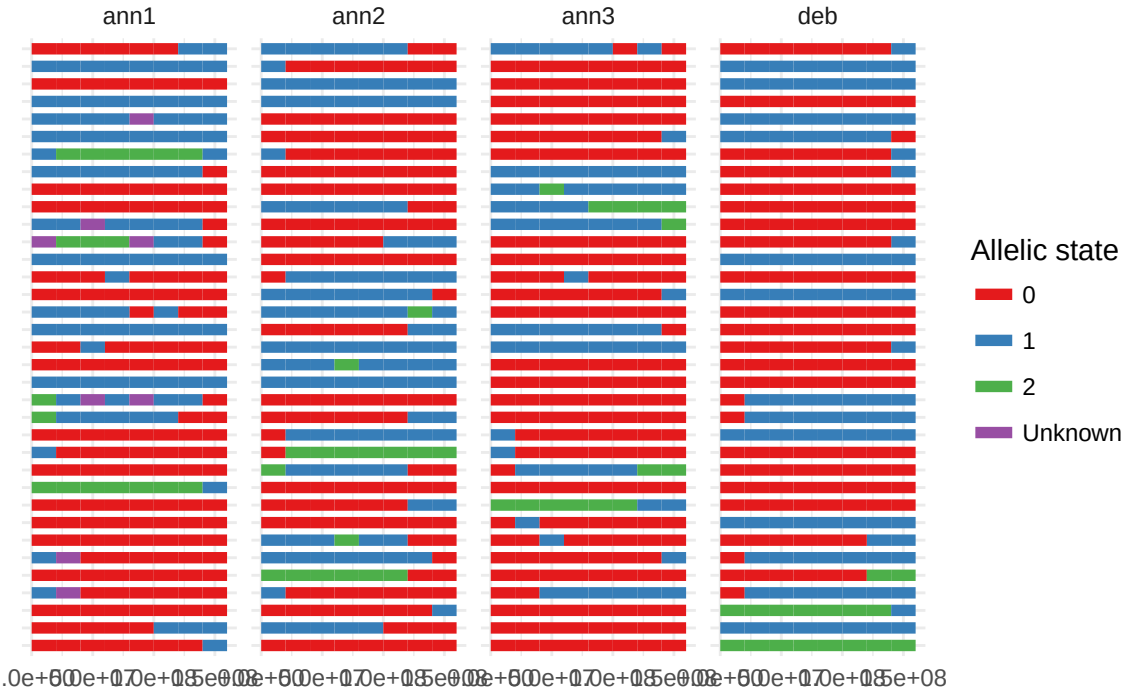

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deb
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1
2
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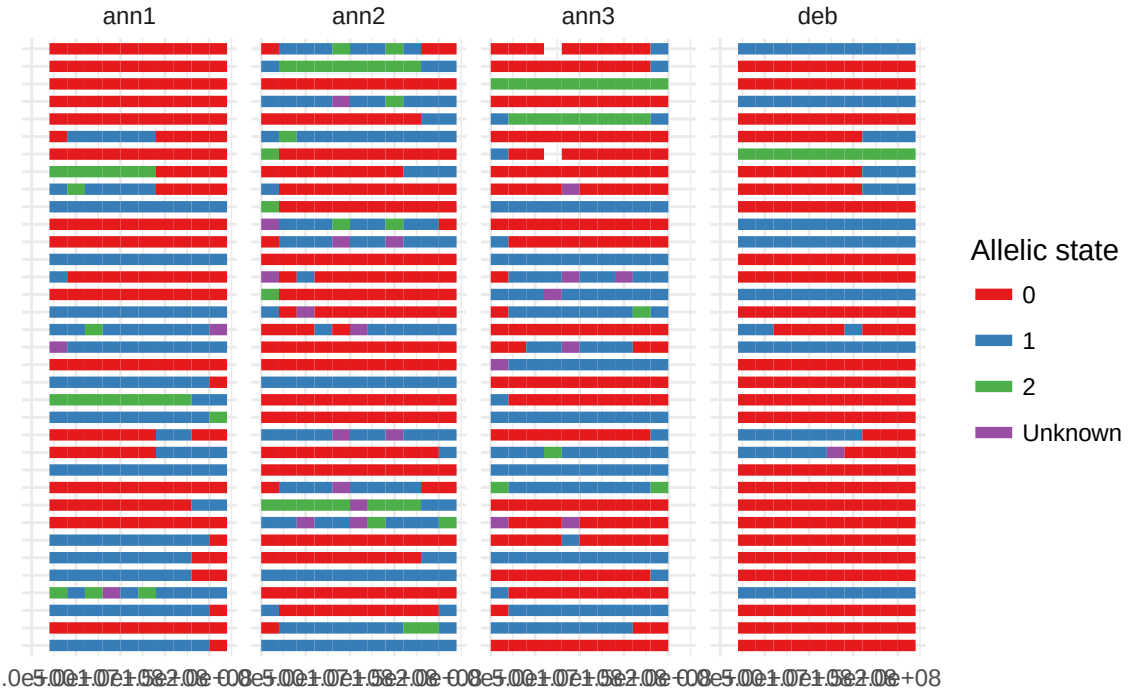
KPC 3 HanXRQChr05 10MB window



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deb
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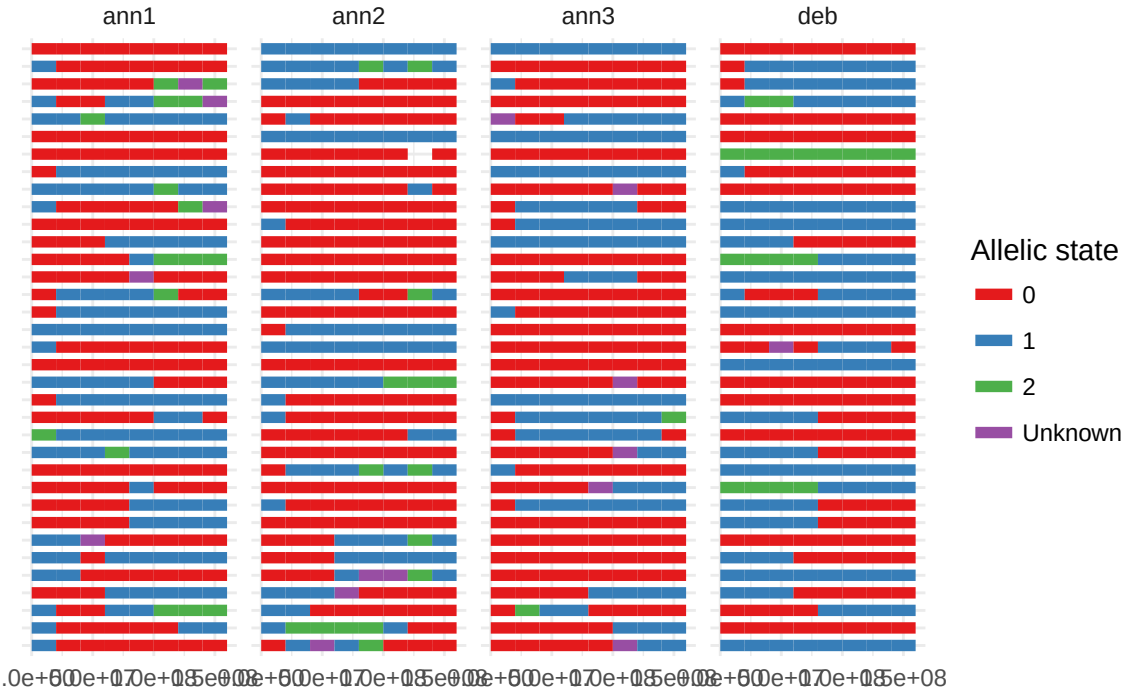

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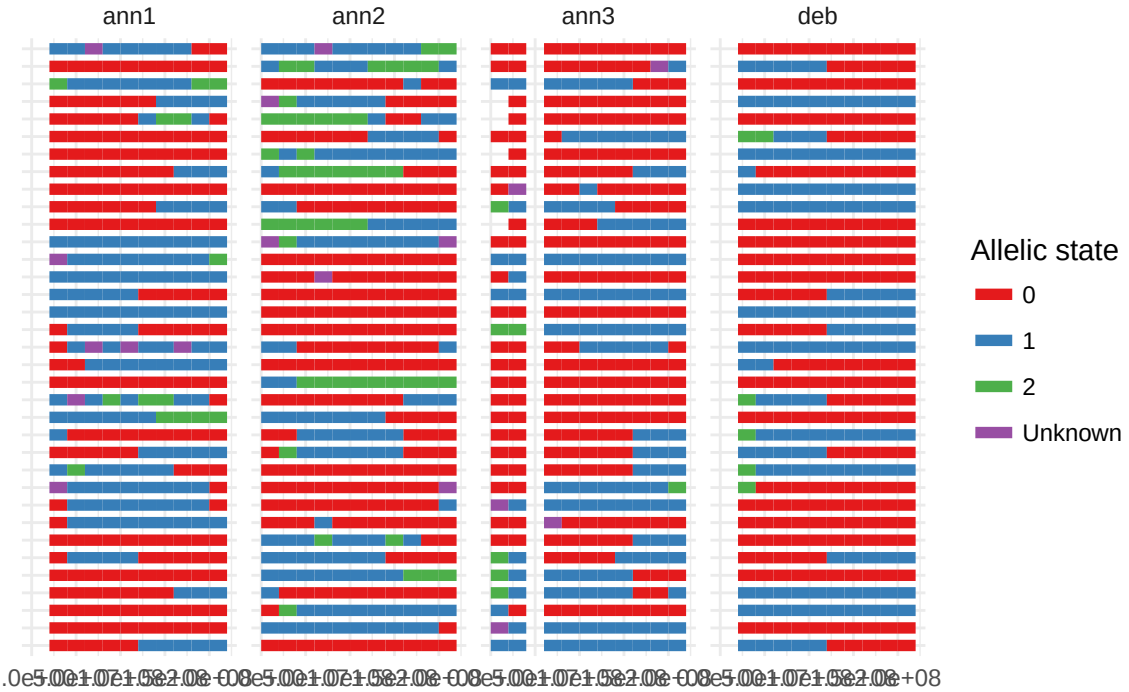

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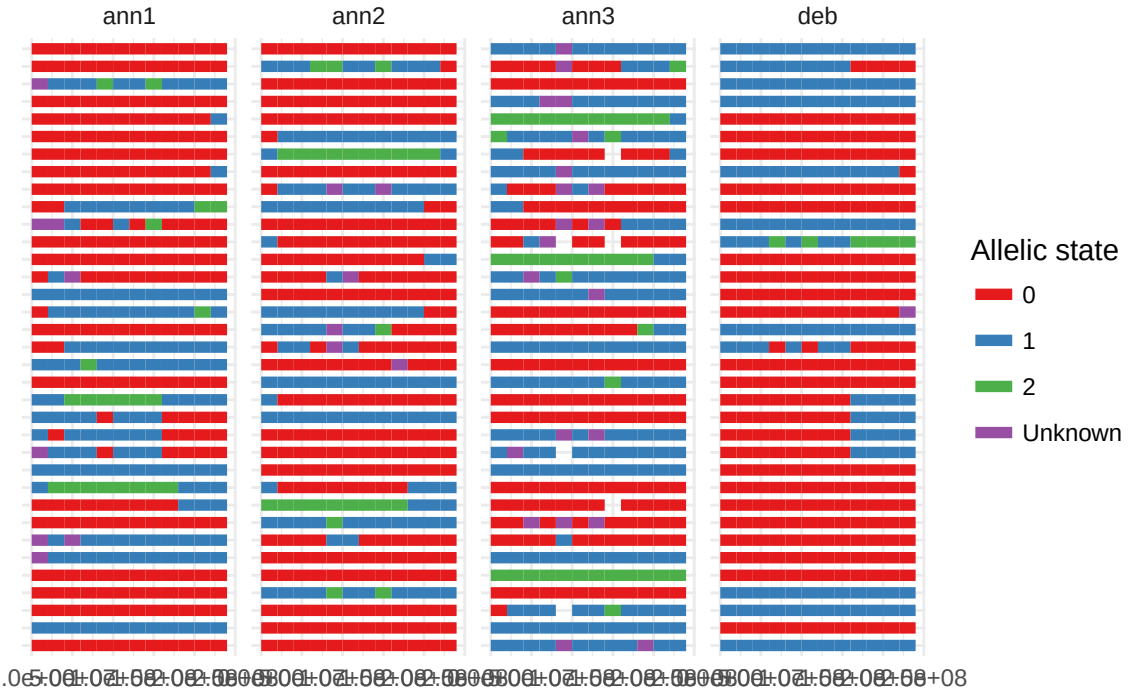

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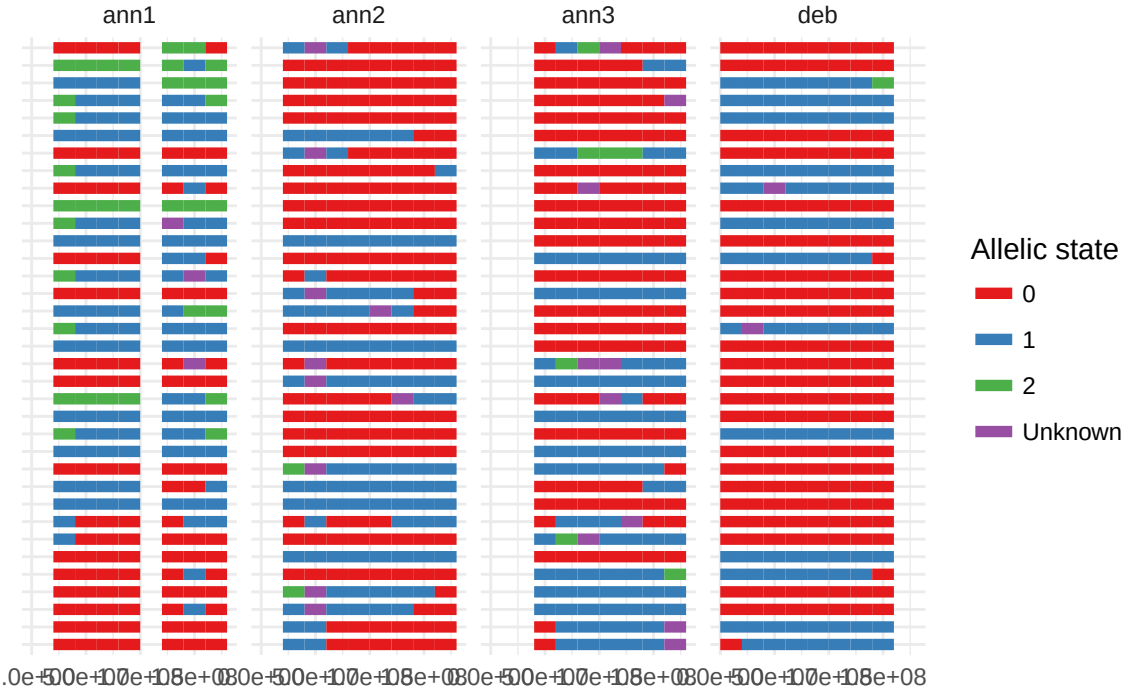

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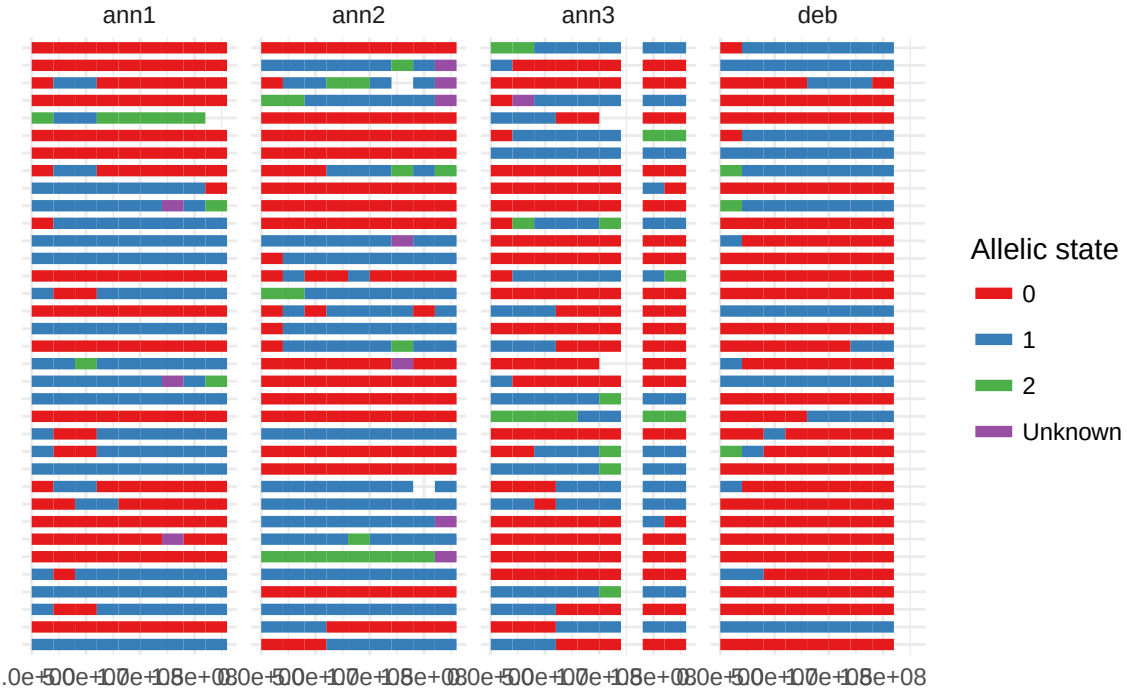
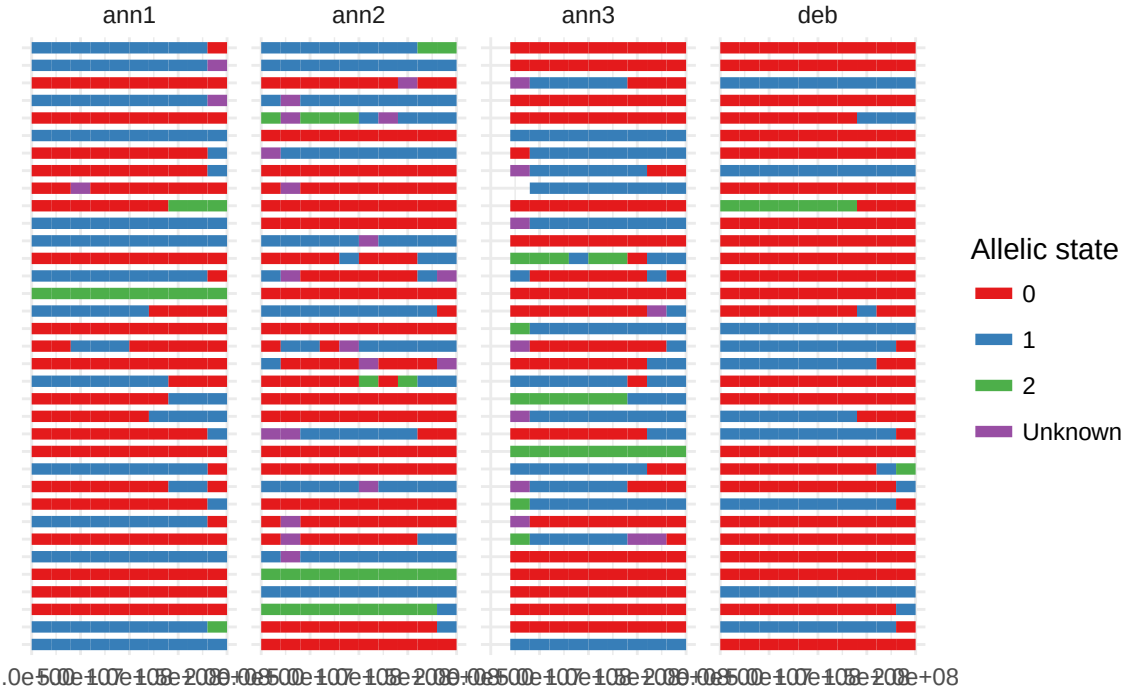


KPC 3 HanXRQChr13 10MB window



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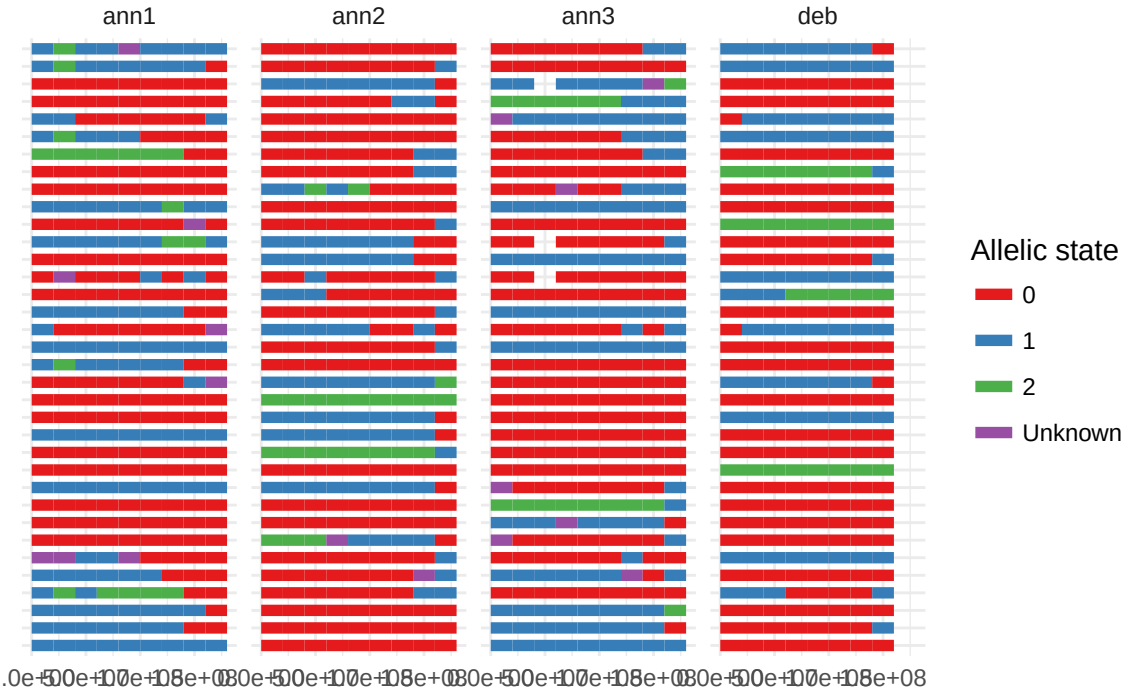

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1
2
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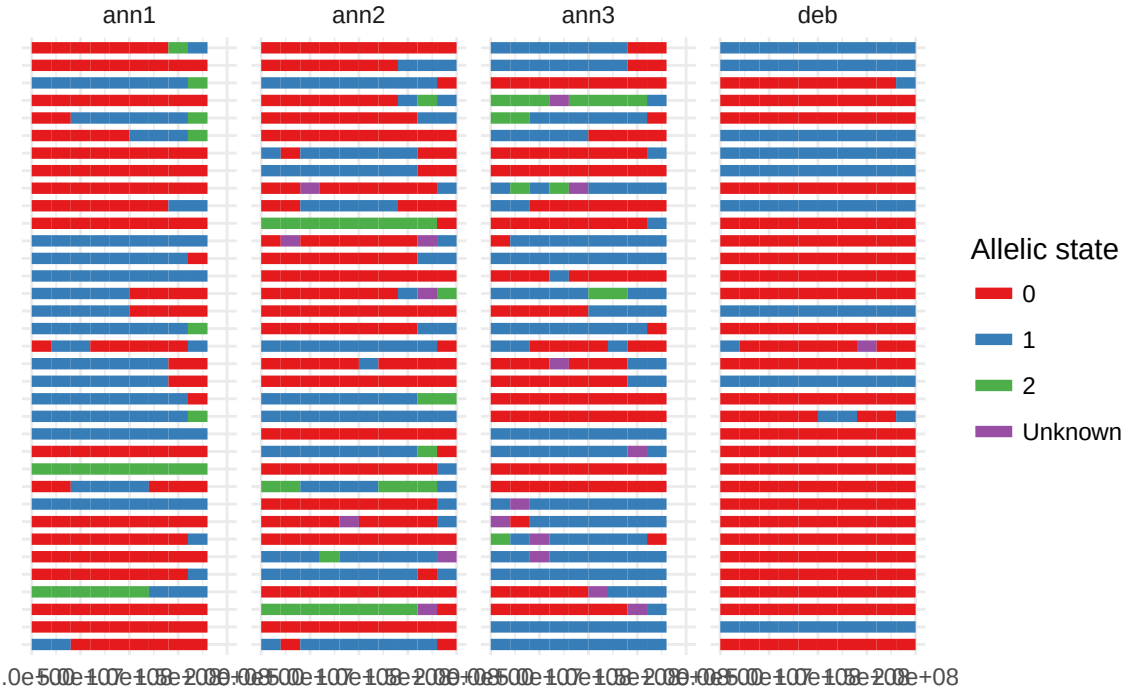
KPC 3 HanXRQChr16 10MB window



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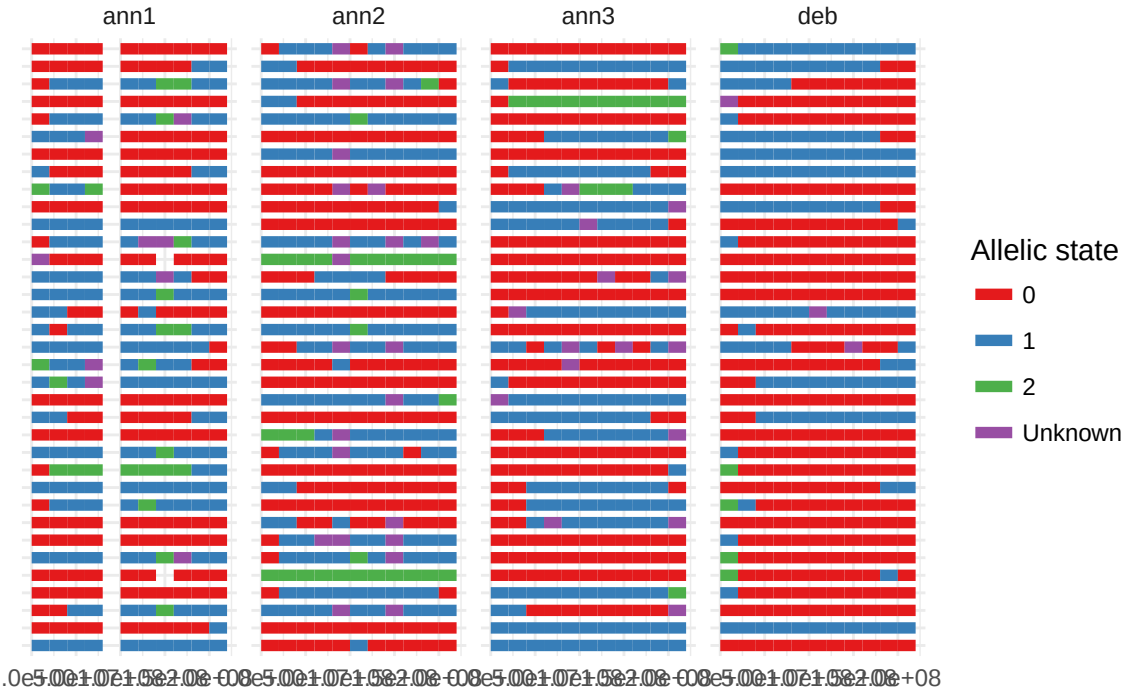

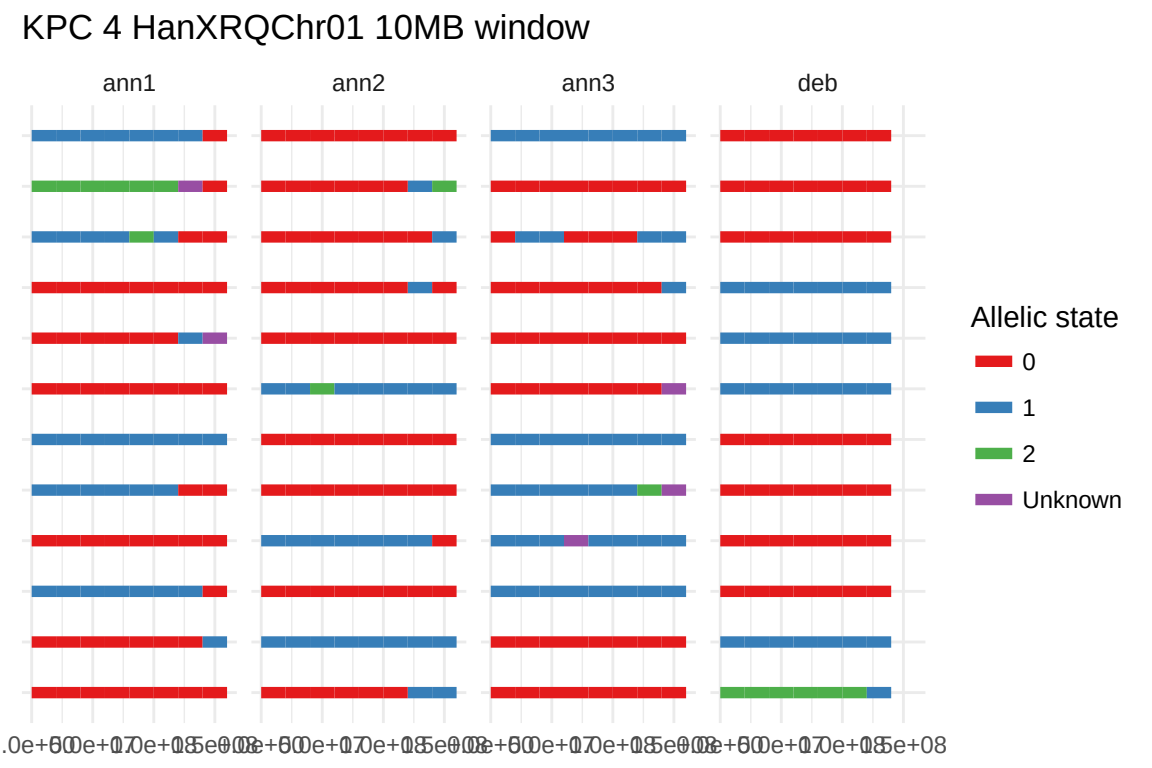
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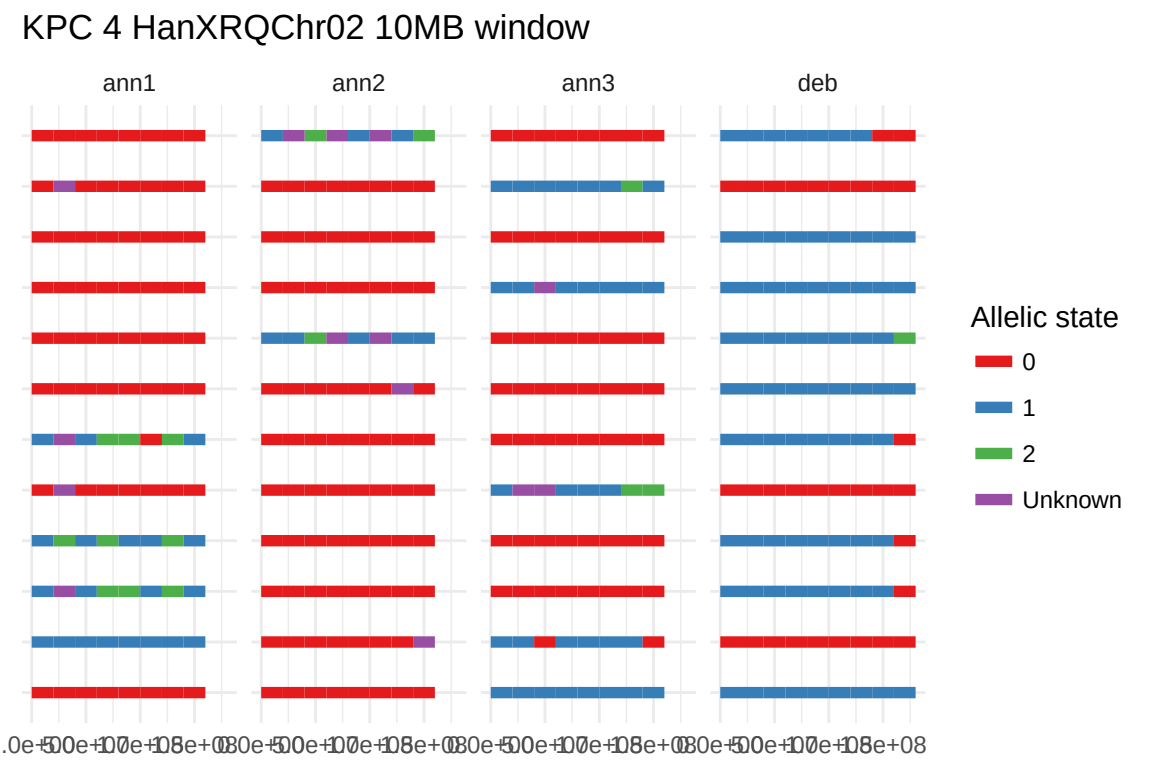
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ann3
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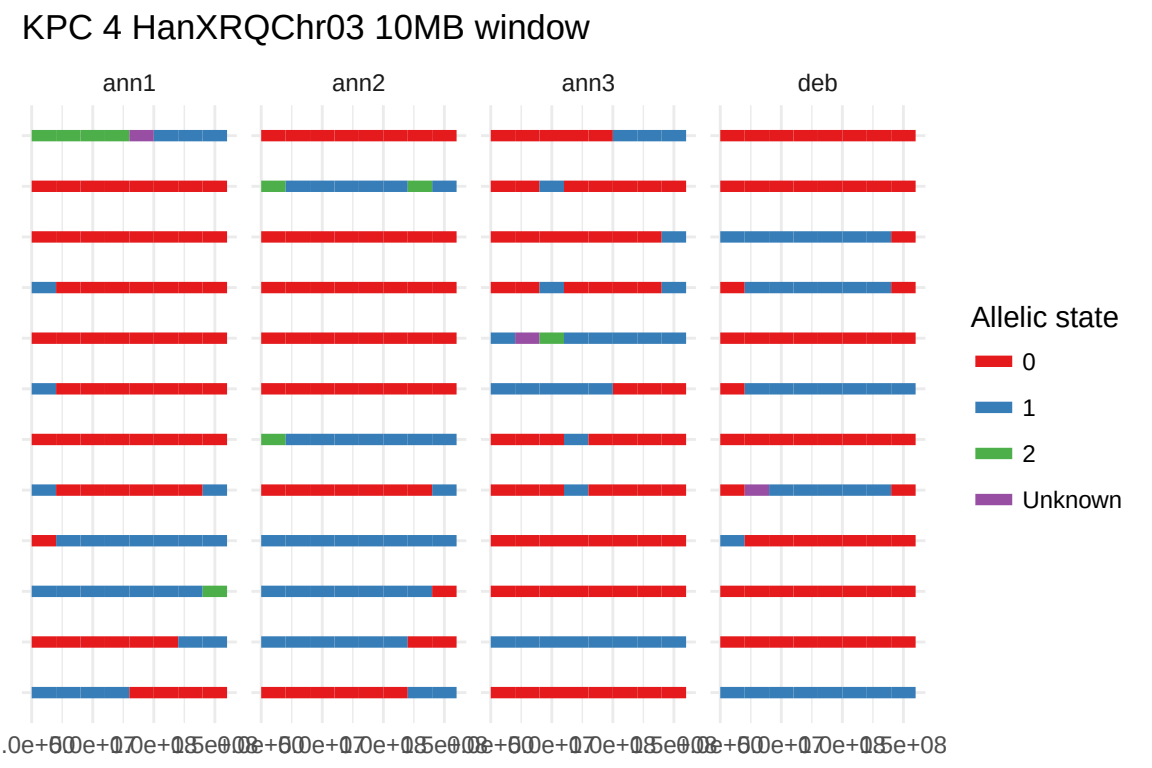
1
2
Unknown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deb
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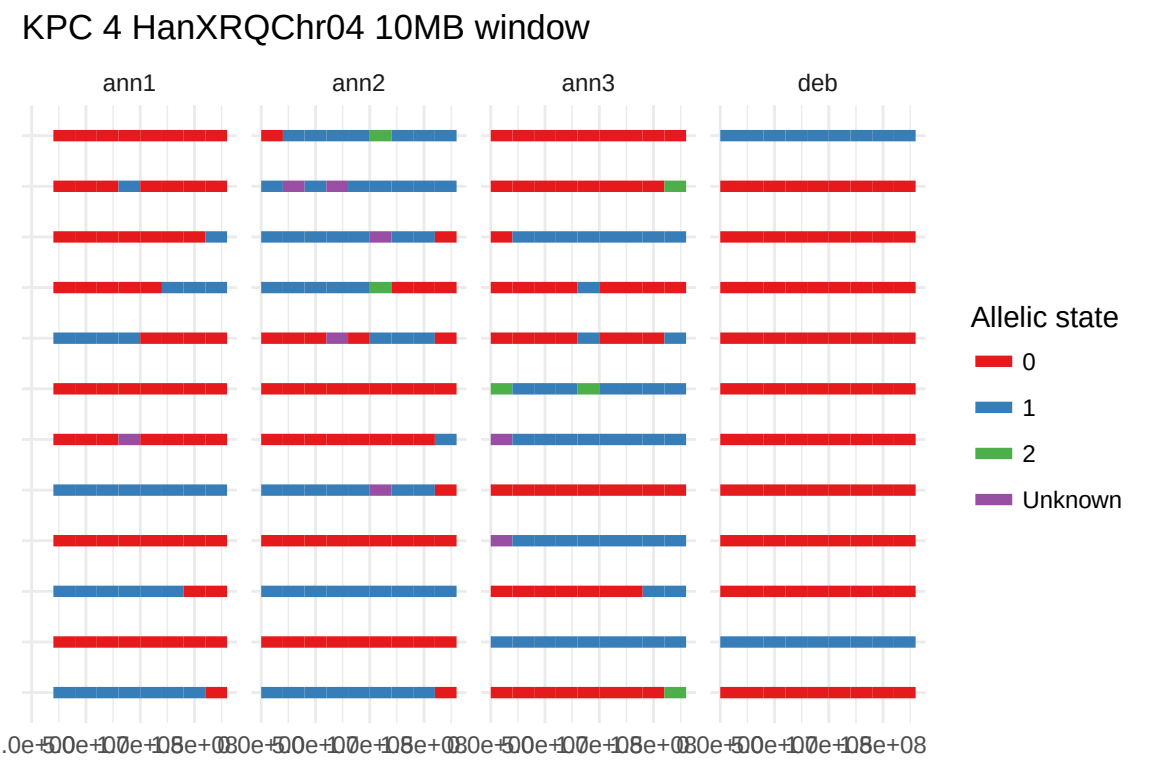
1
2
Unknown


KPC 4 HanXRQChr04 10MB window
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2
Unknown

KPC 4 HanXRQChr05 10MB window
ann1
ann2
ann3
deb
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0
1
2
Unknown

KPC 4 HanXRQChr06 10MB window
ann1
ann2
ann3
deb
Allelic state
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1
2
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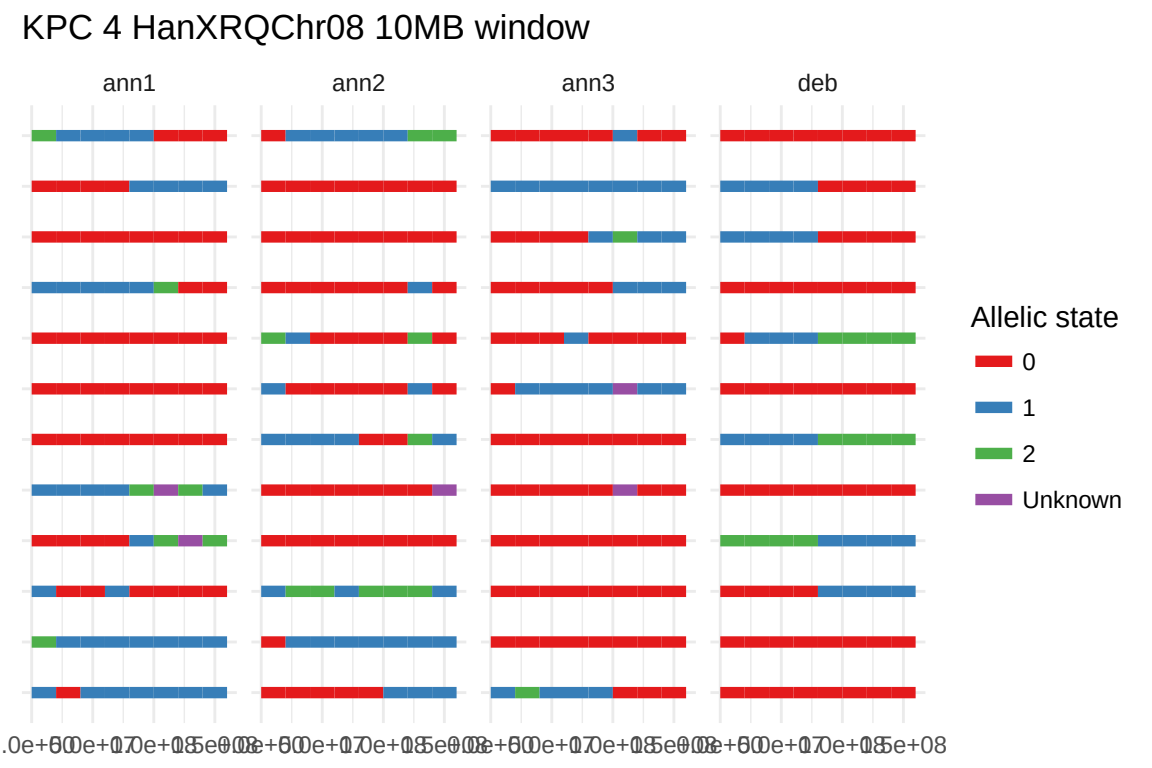
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ann3
deb
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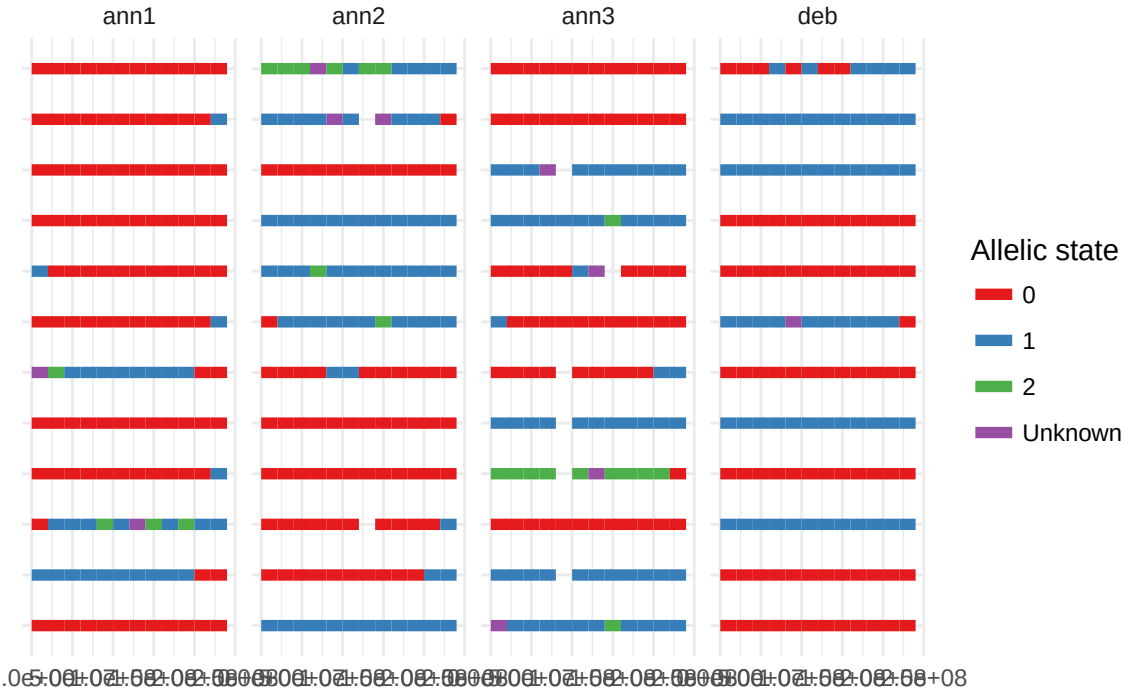
0
1
2
Unknown

KPC 4 HanXRQChr10 10MB window



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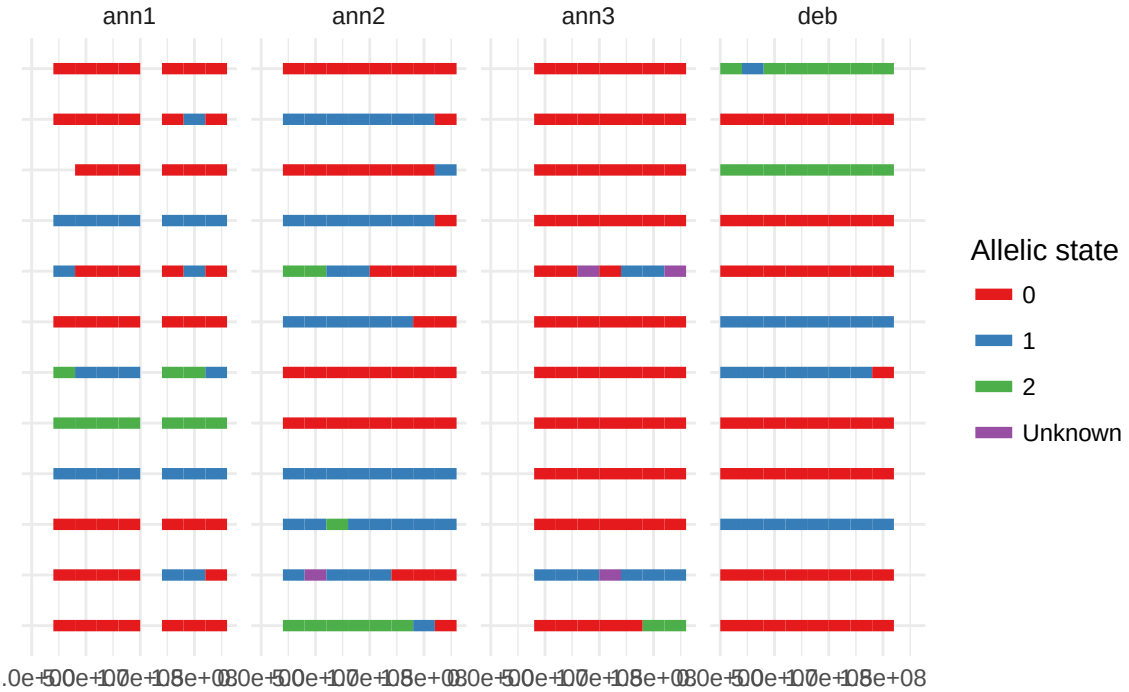
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ann3
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0.0e+5
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0

KPC 4 HanXRQChr12 10MB window
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KPC 4 HanXRQChr13 10MB window
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deb
Allelic state
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KPC 4 HanXRQChr14 10MB window
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ann3
deb
Allelic state
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1
2
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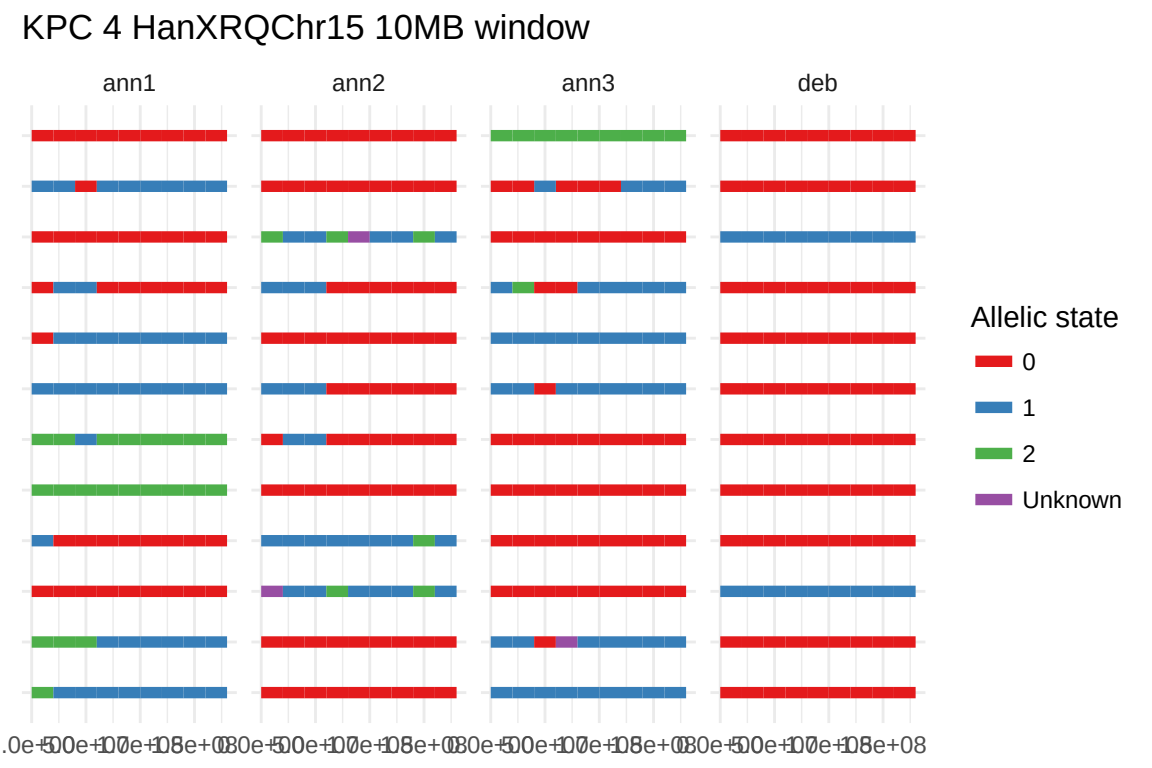
KPC 4 HanXRQChr15 10MB window
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1
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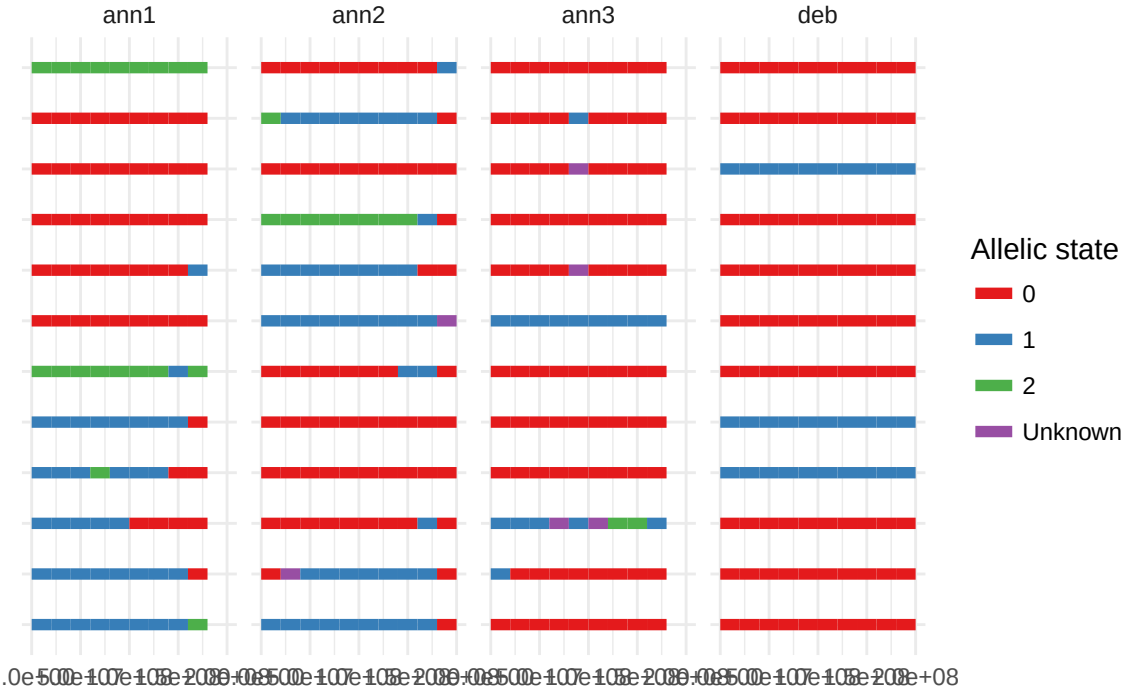
KPC 4 HanXRQChr16 10MB window



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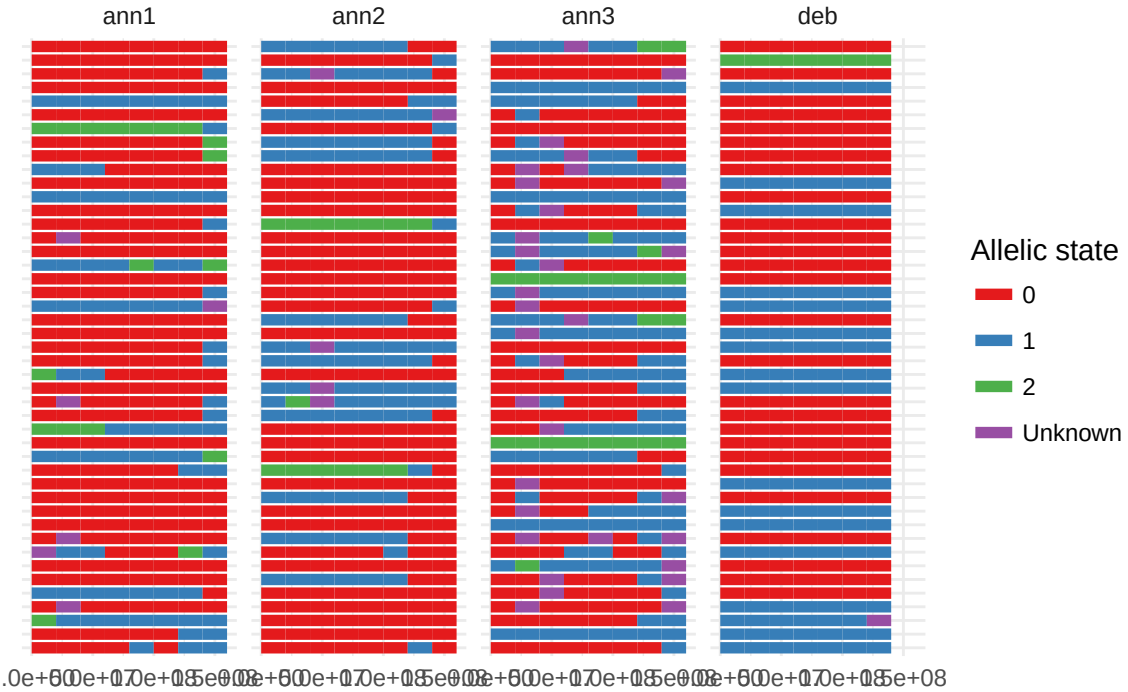
KPC 5 HanXRQChr01 10MB window



KPC 5 HanXRQChr02 10MB window
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Allelic state
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2
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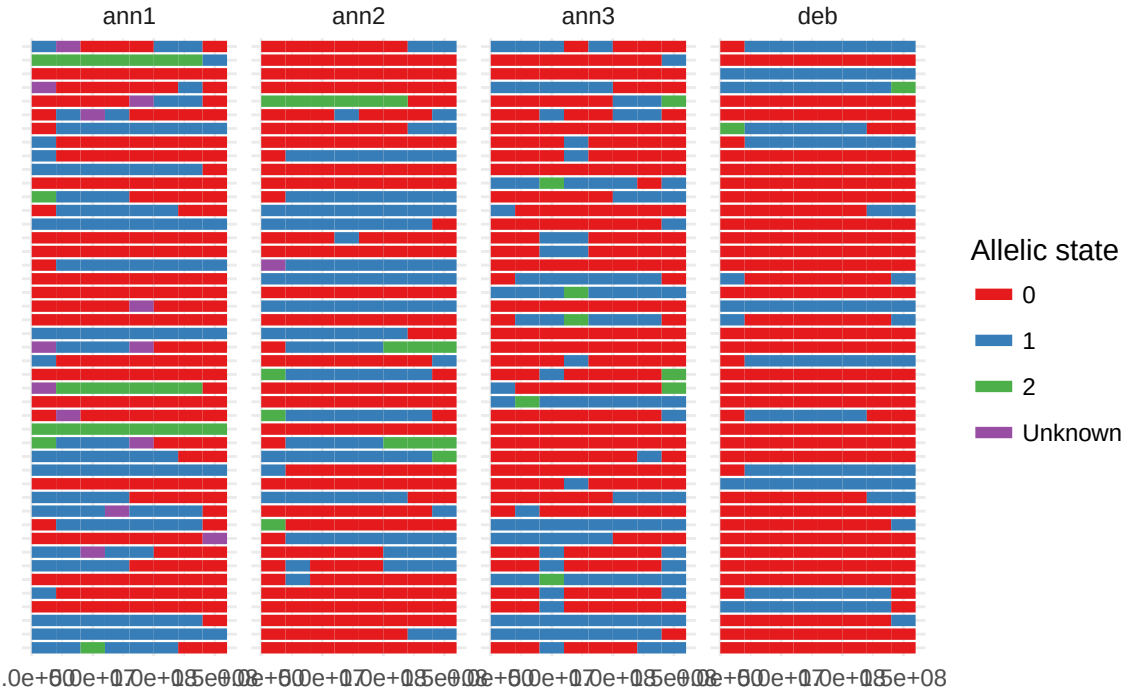
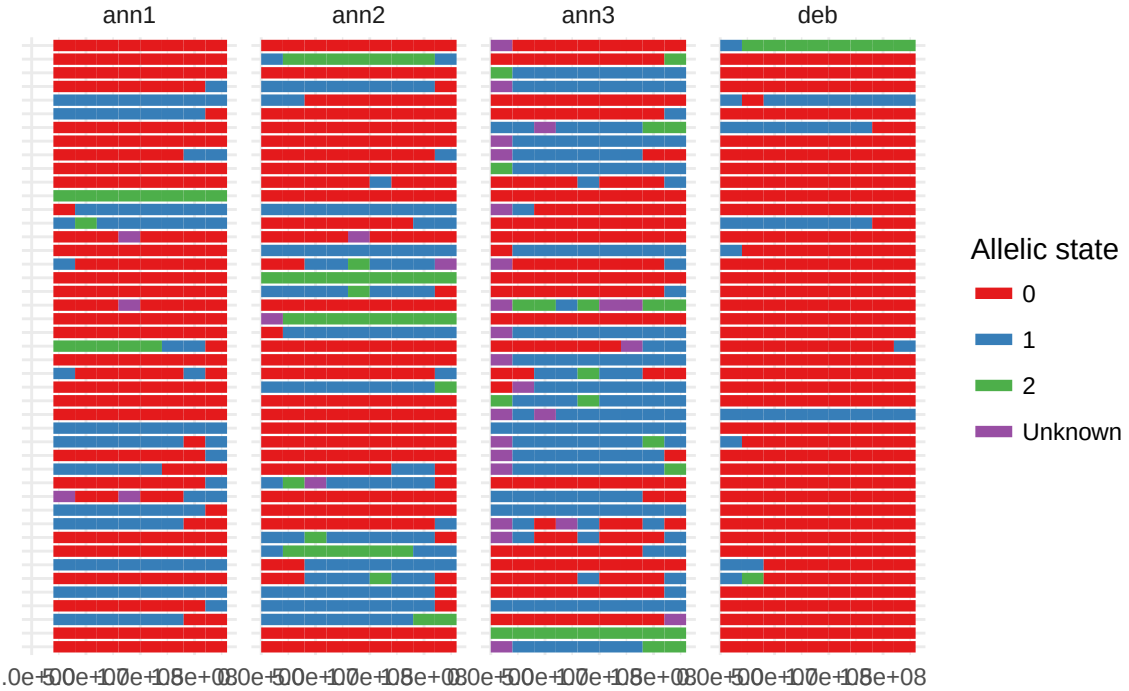
KPC 5 HanXRQChr03 10MB window



KPC 5 HanXRQChr04 10MB window



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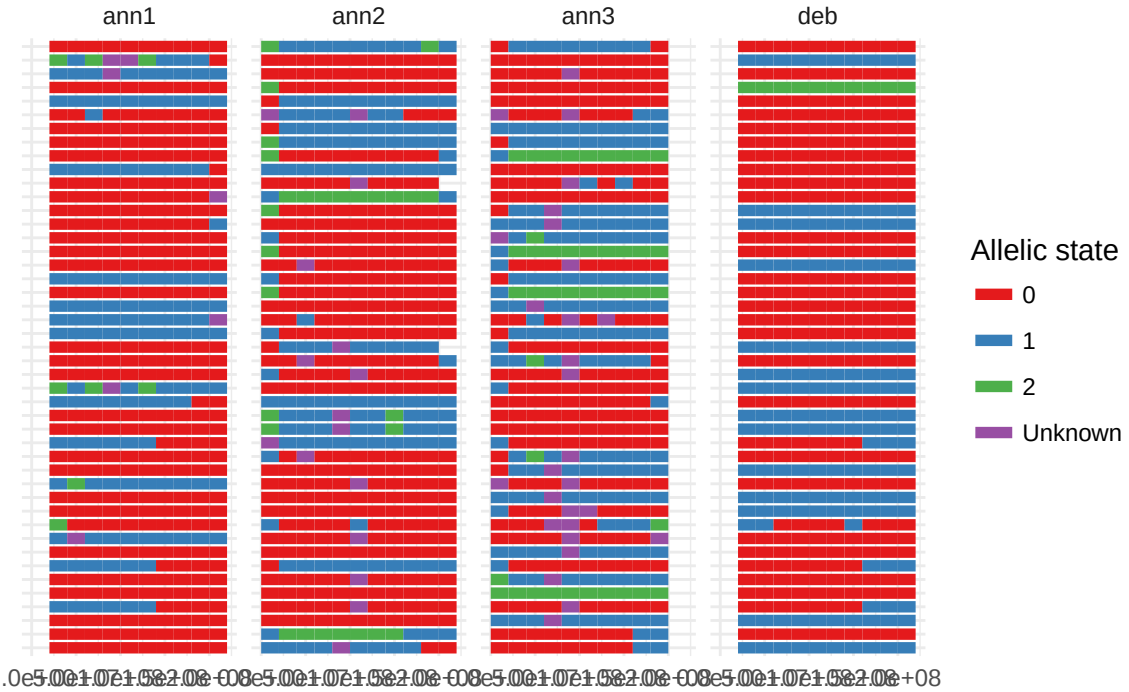

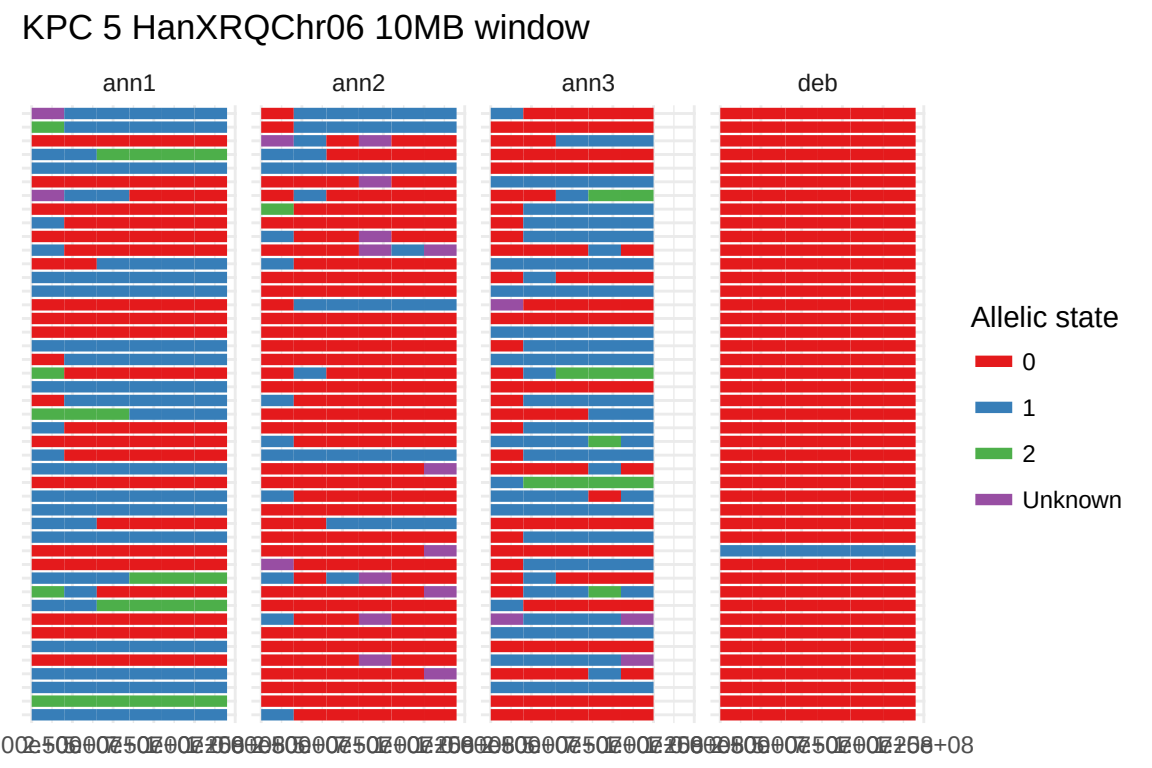
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1
2
Unknown

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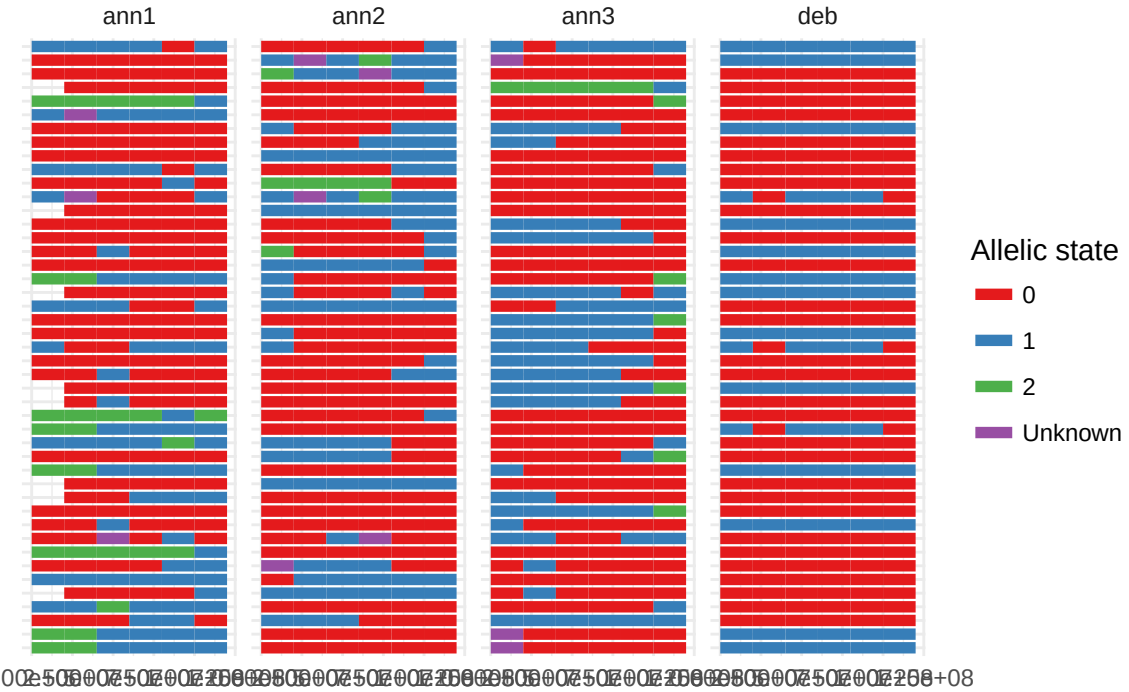

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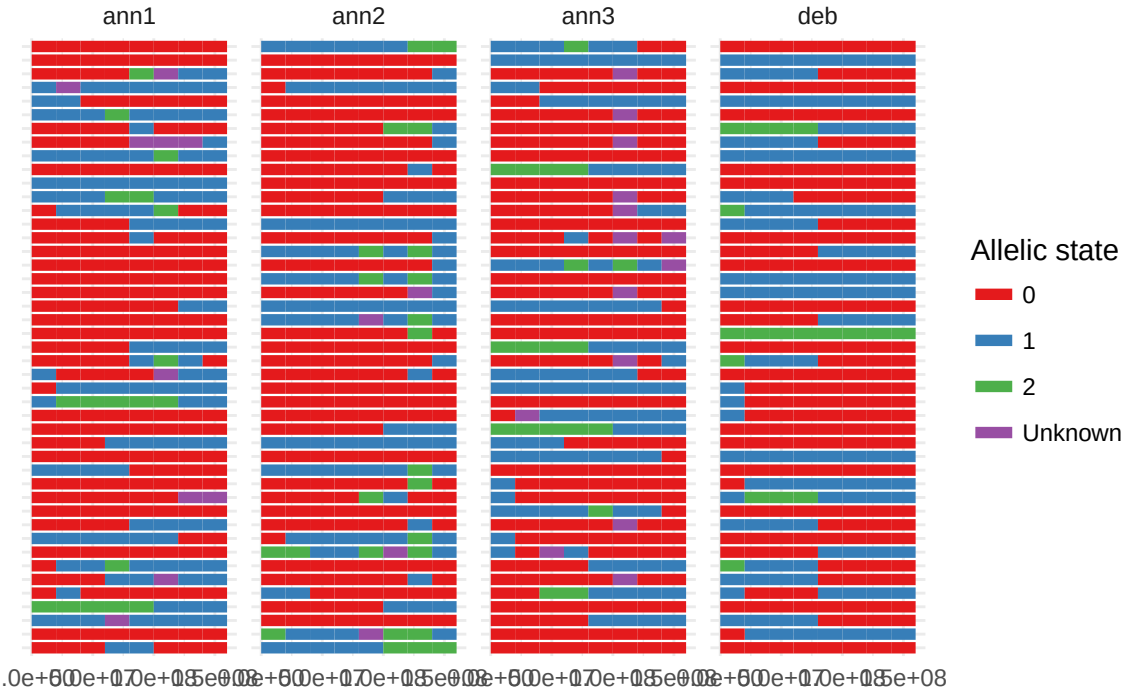

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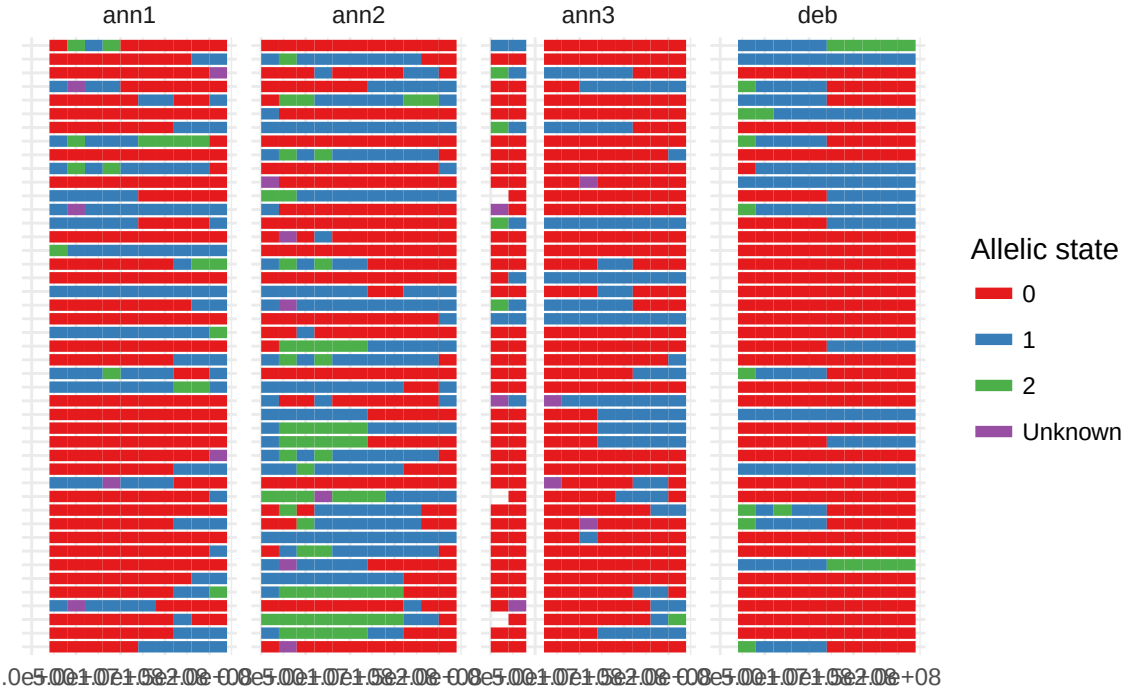

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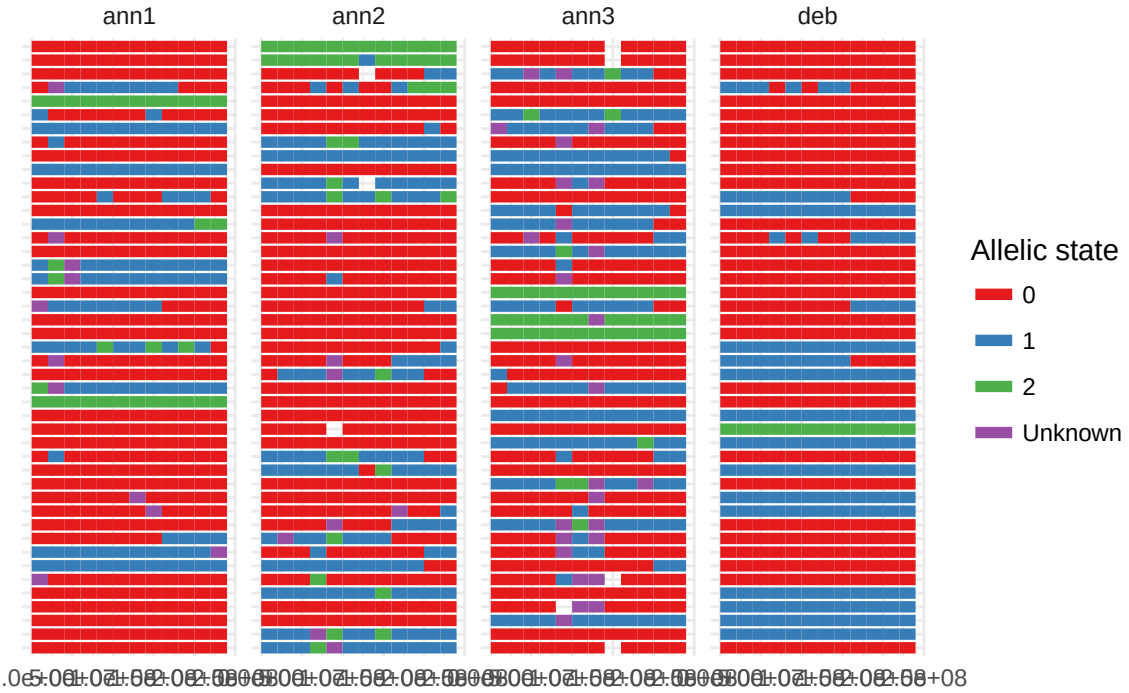

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Allelic state
0
1
2
Unknown

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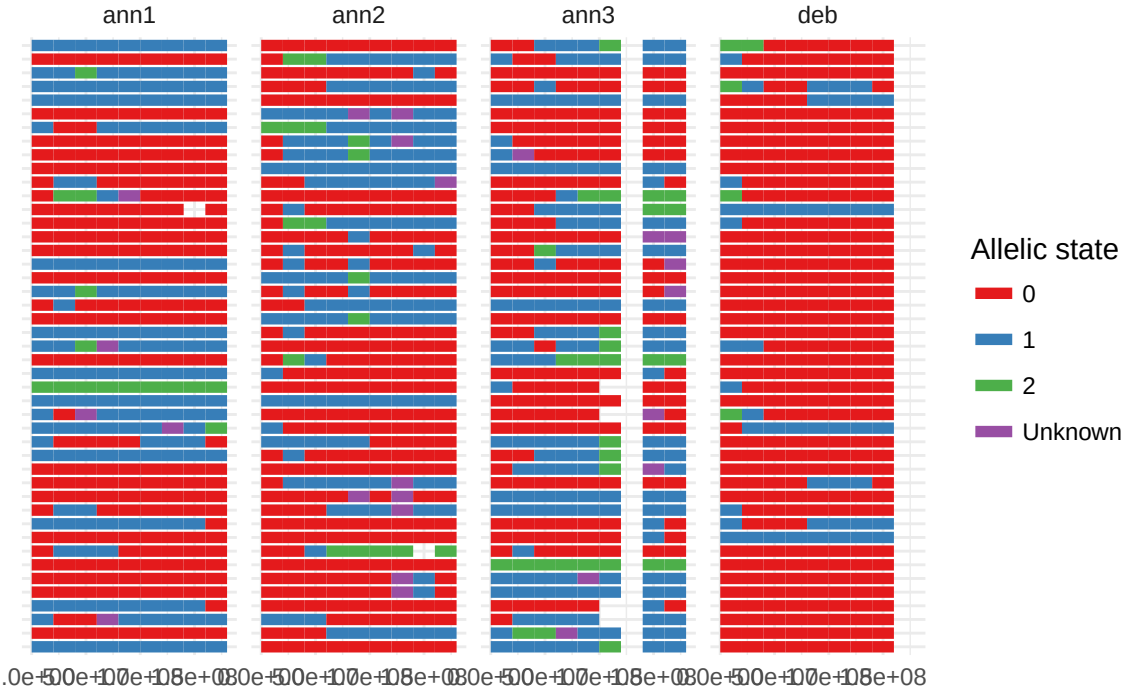

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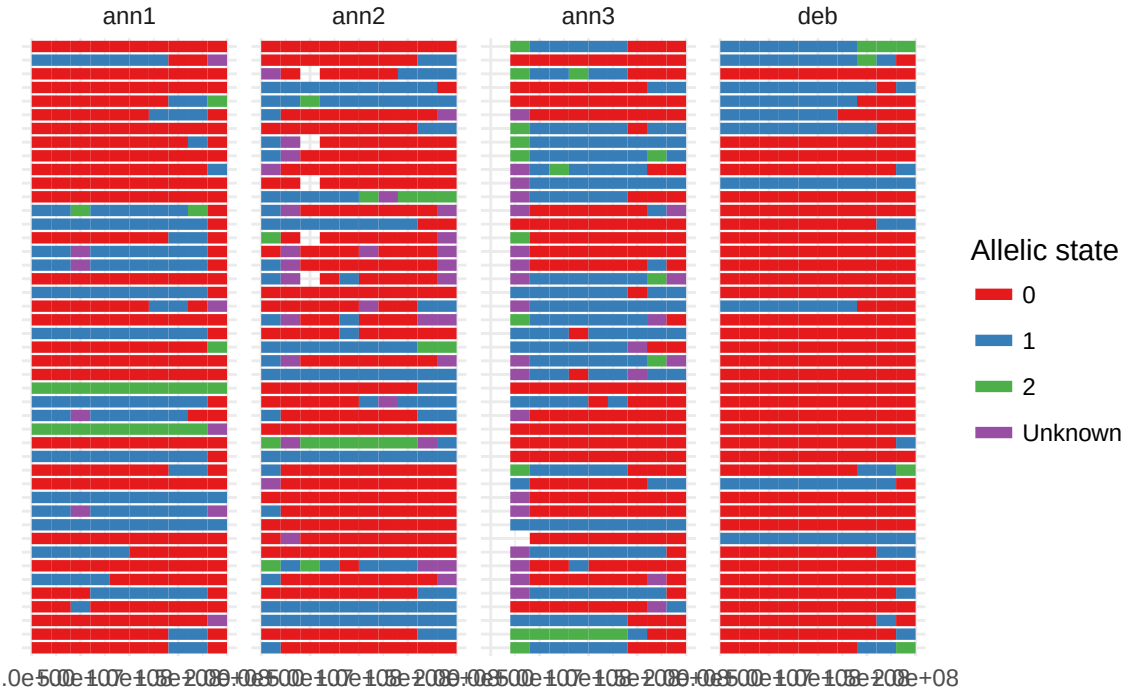

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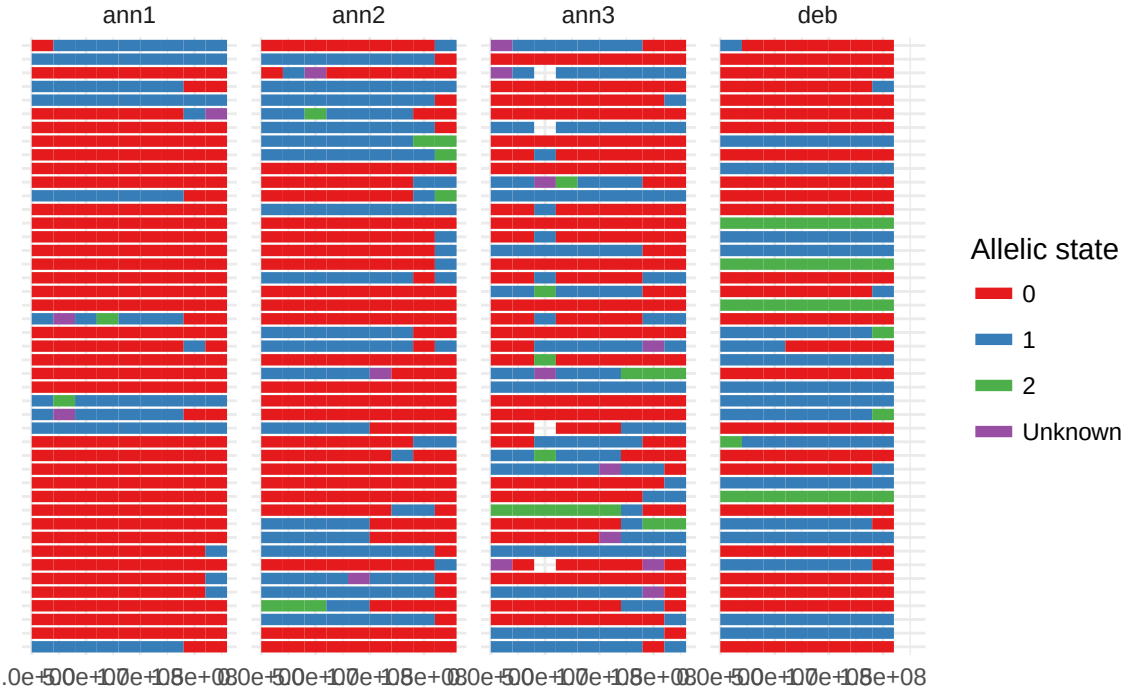

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deb
Allelic state
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1
2
Unknown

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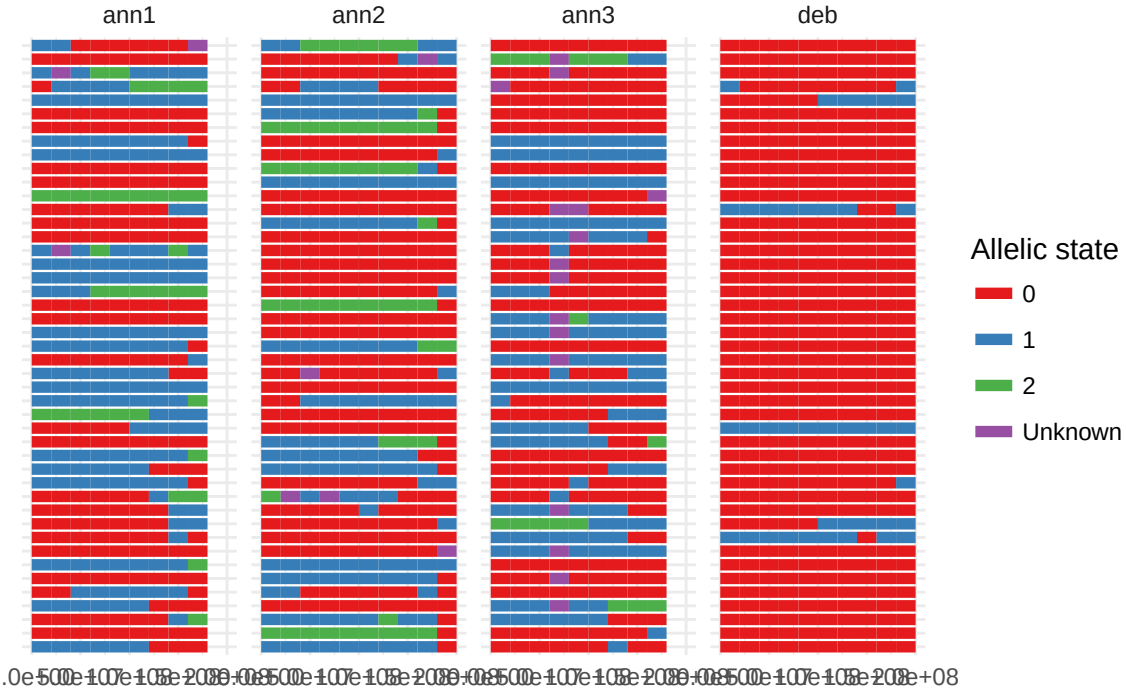

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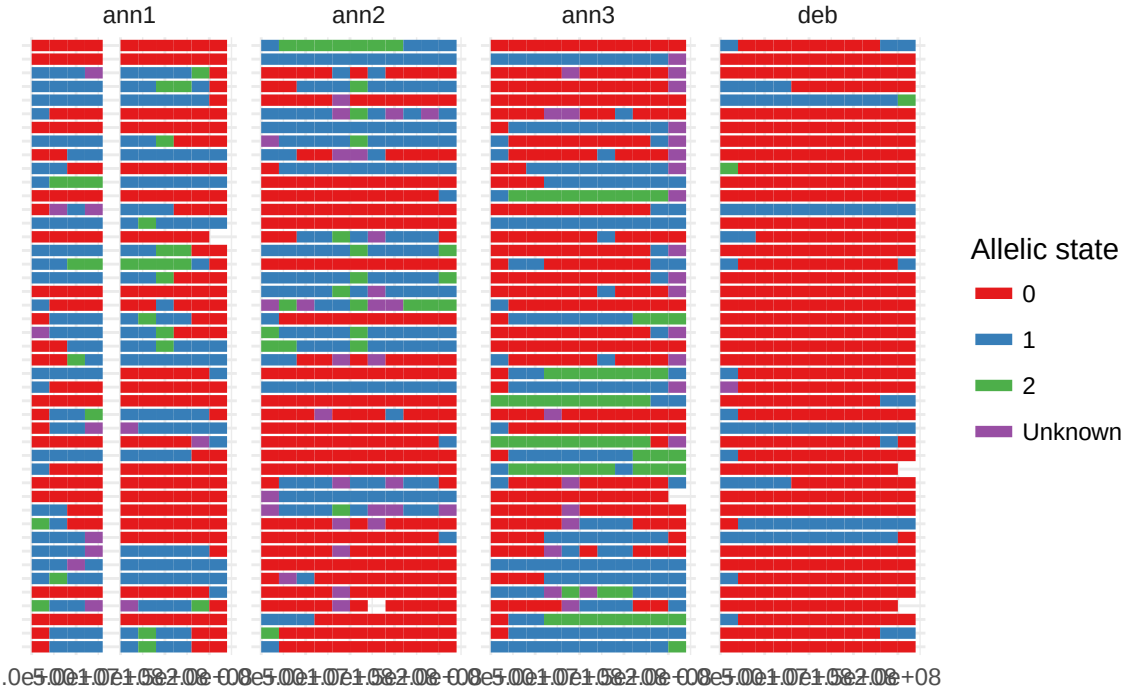
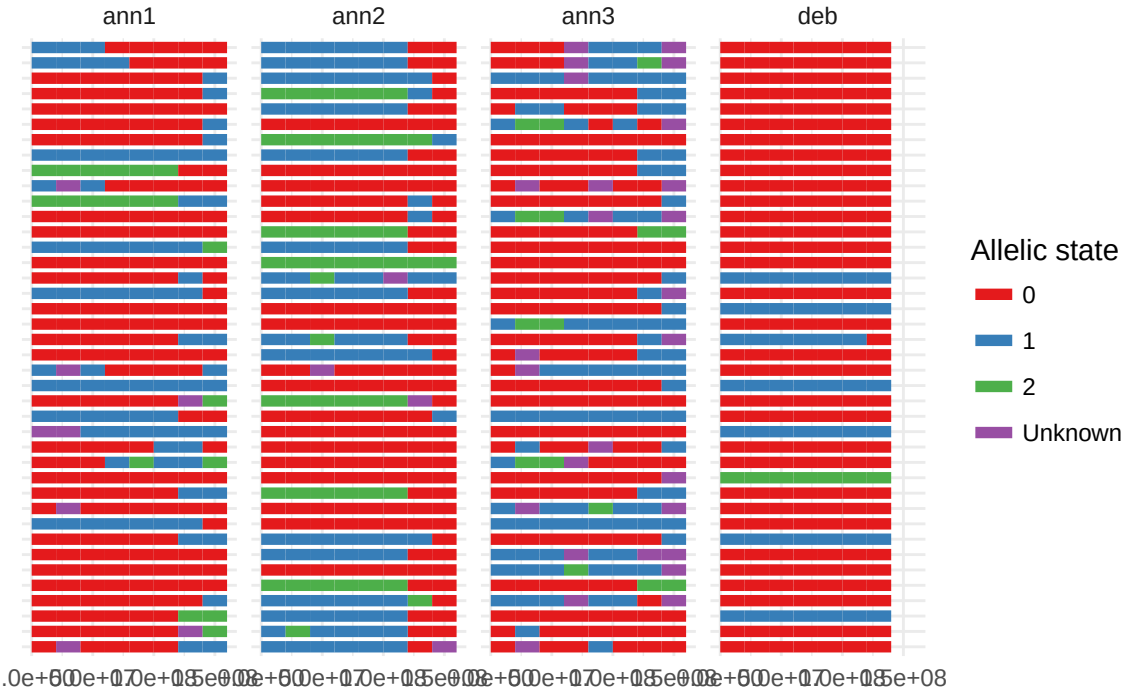


KPC 6 HanXRQChr01 10MB window



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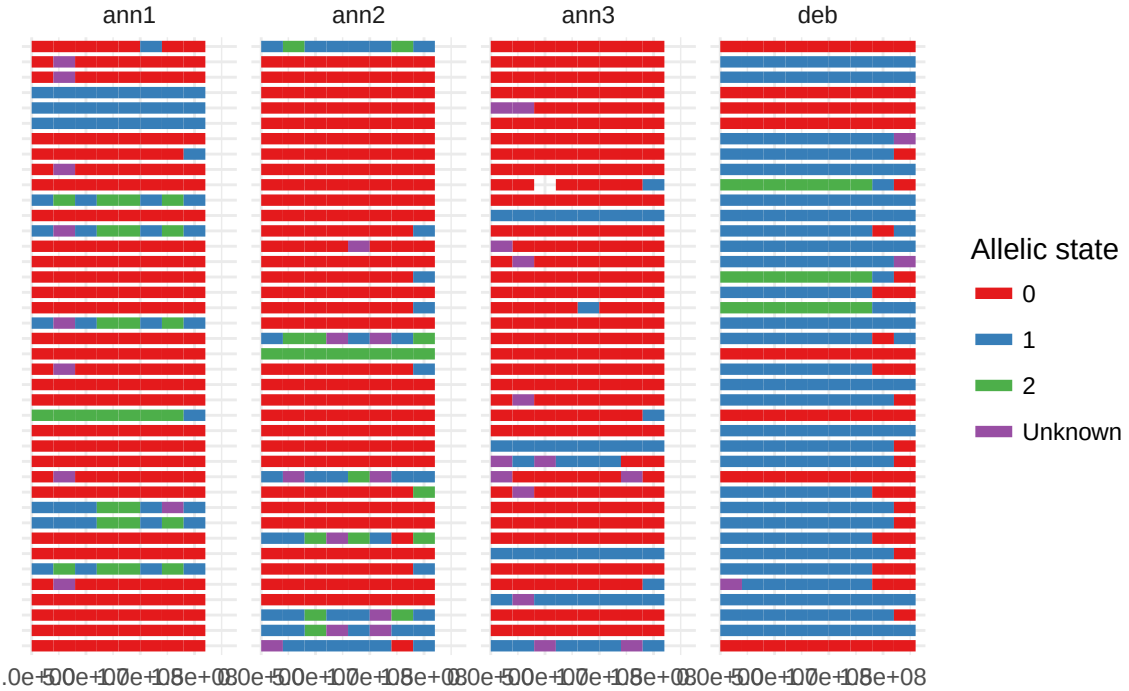

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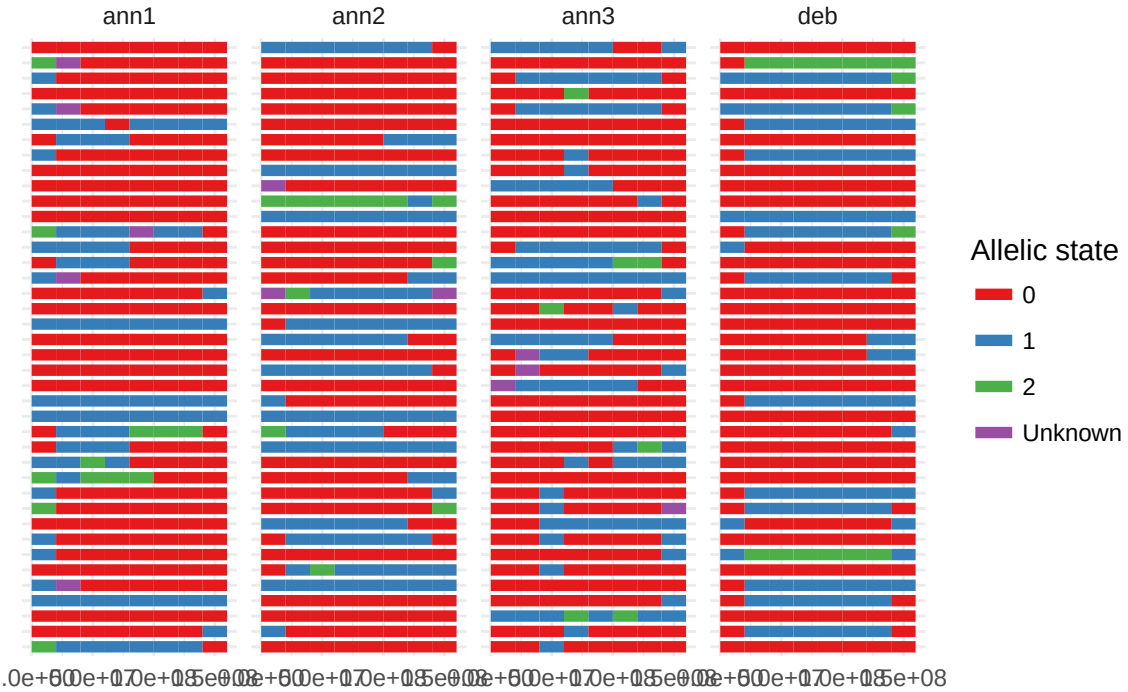

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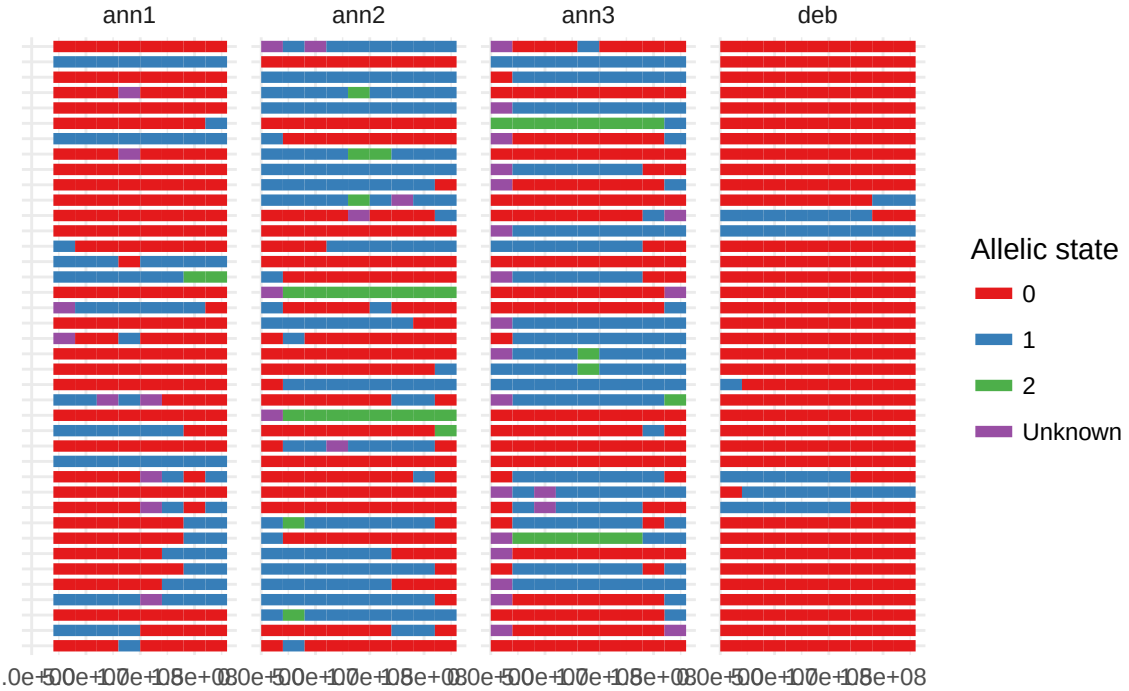

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1
2
Unknown

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ann2
ann3
deb
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0
1
2
Unknown

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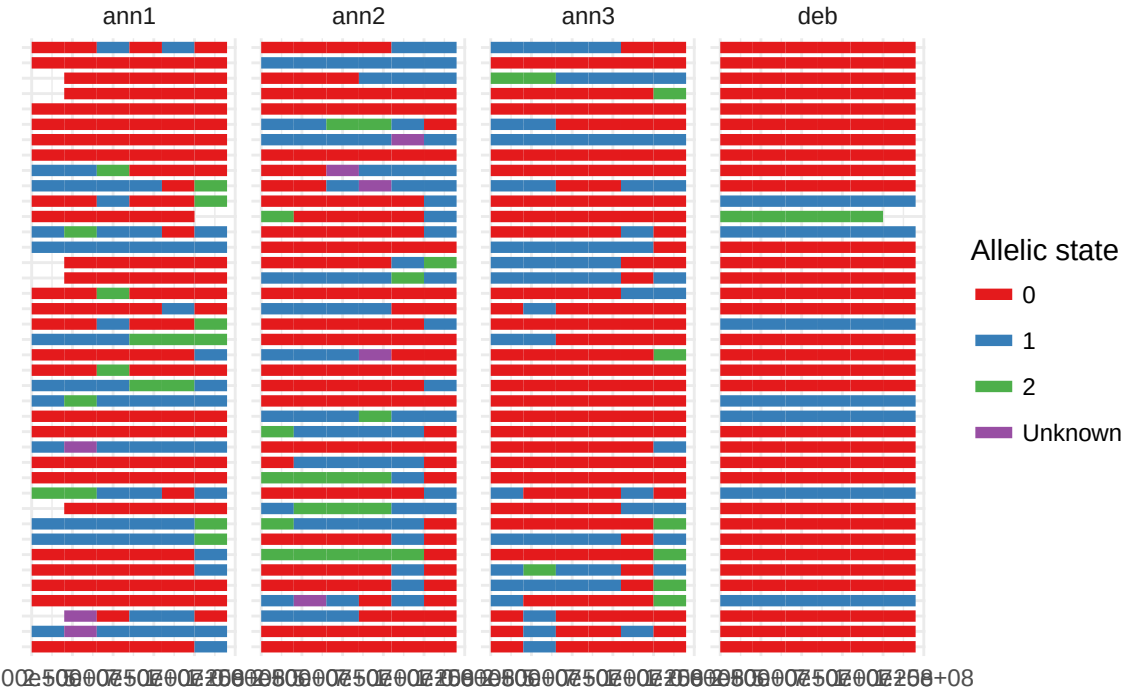

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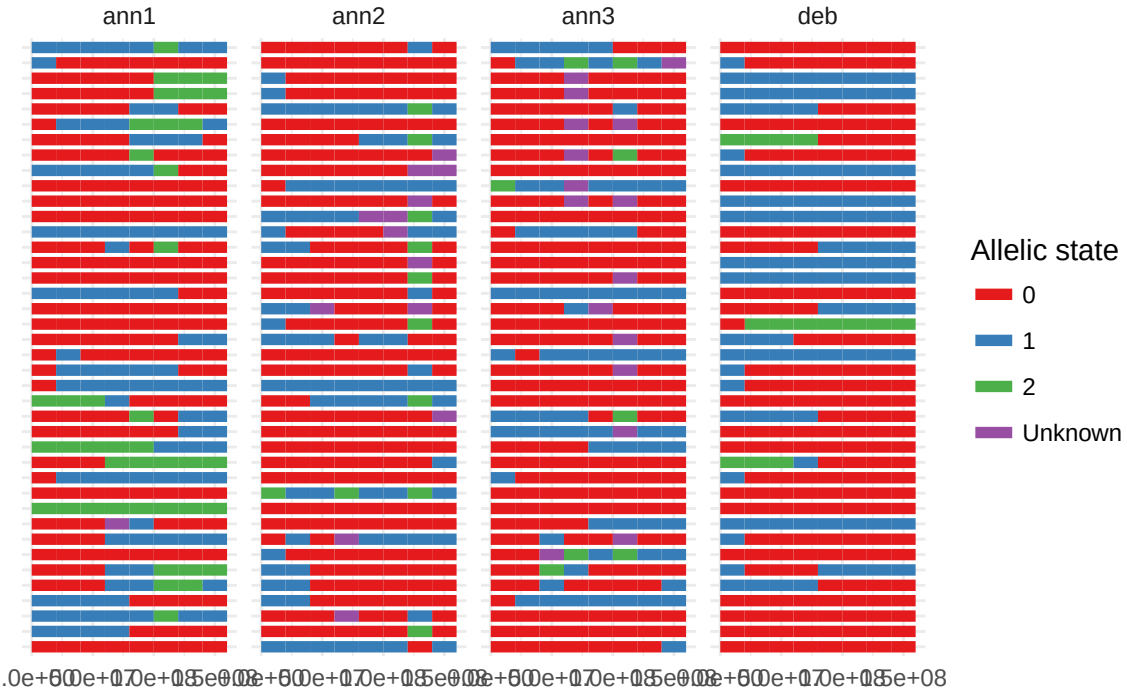

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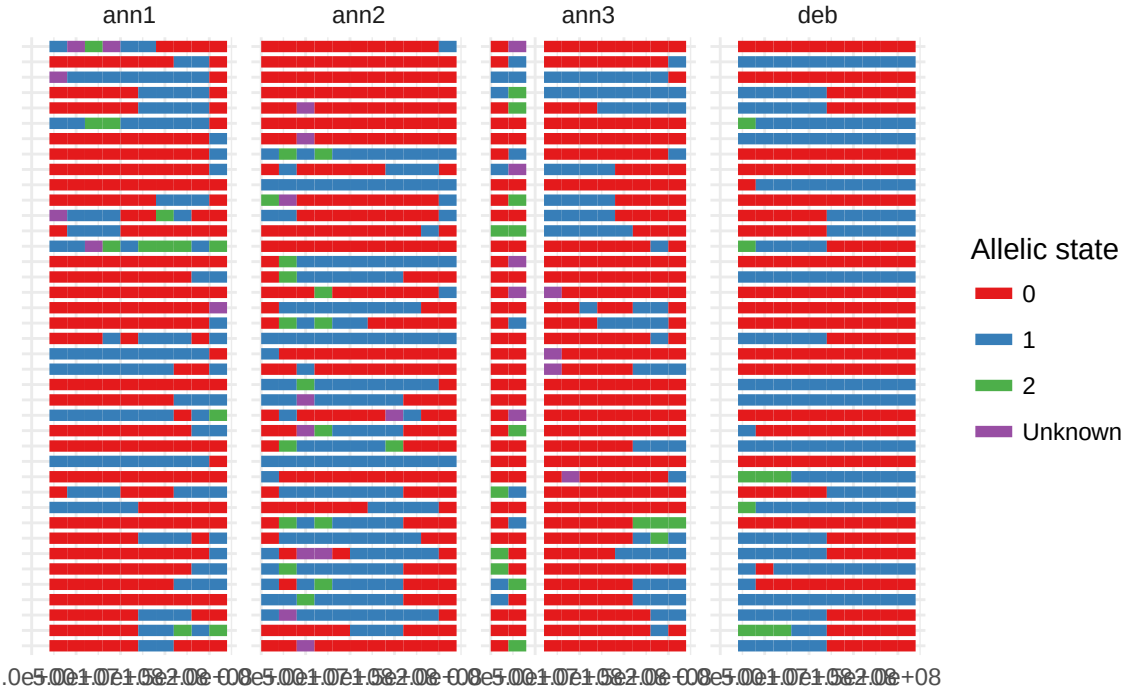

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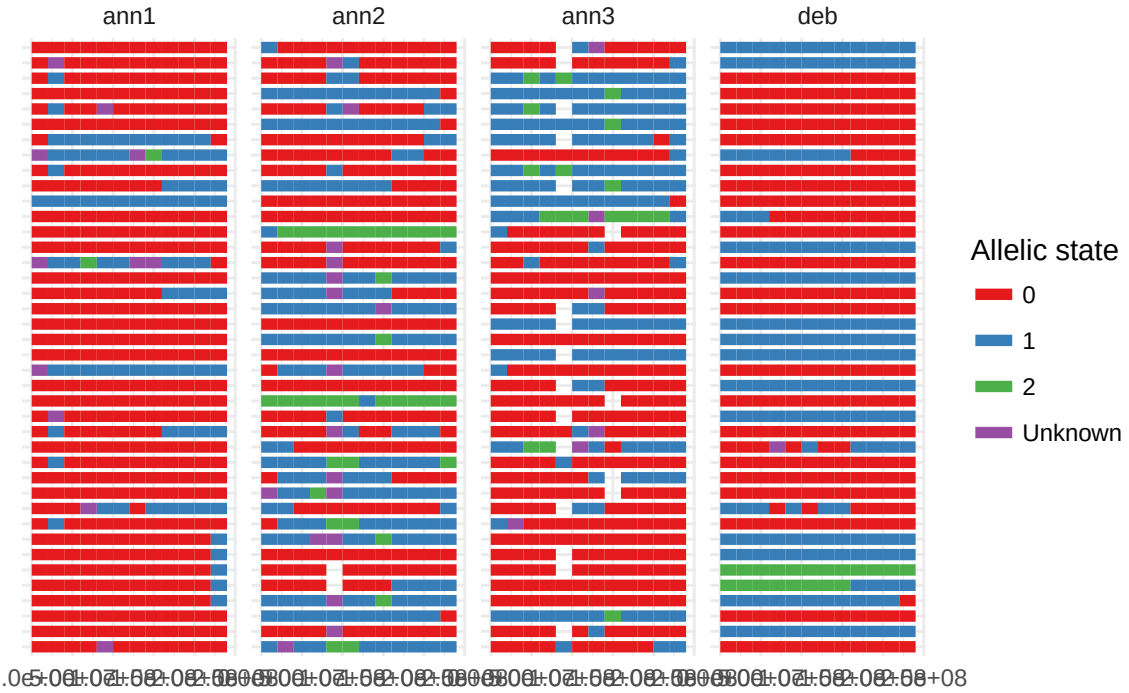

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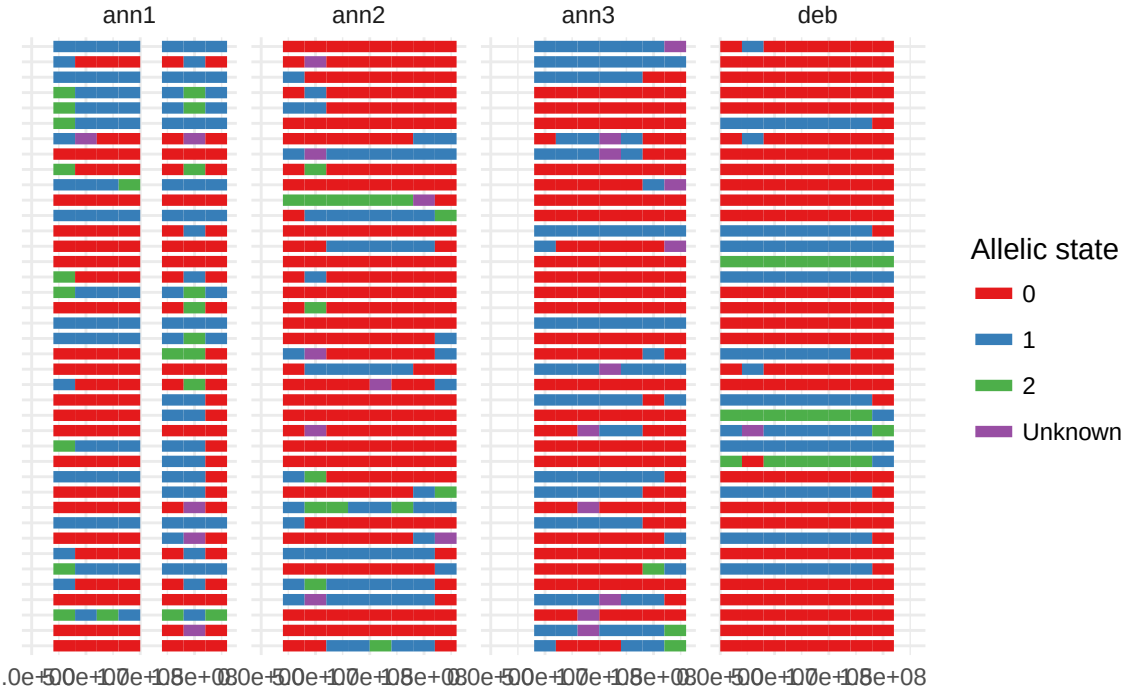

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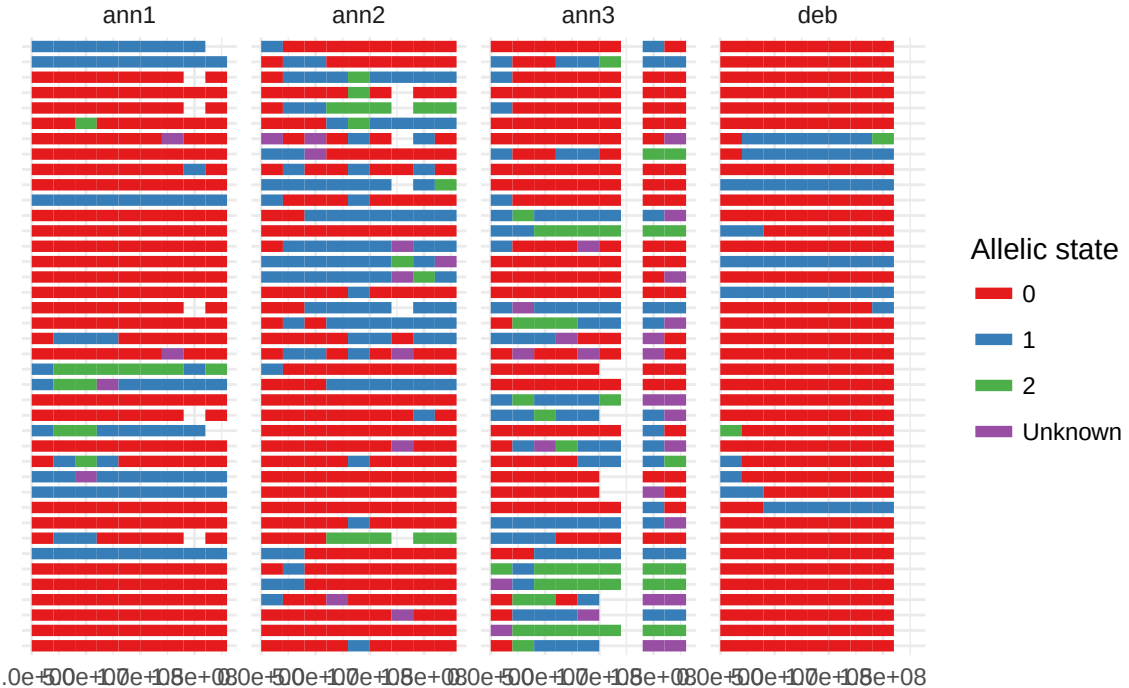

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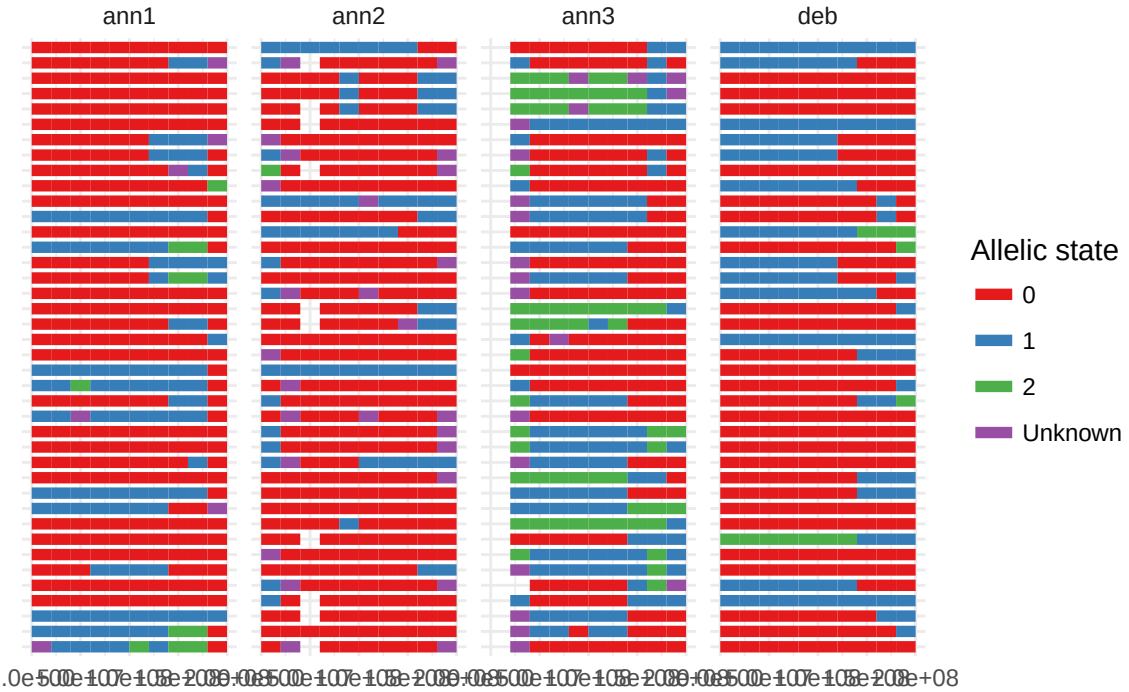

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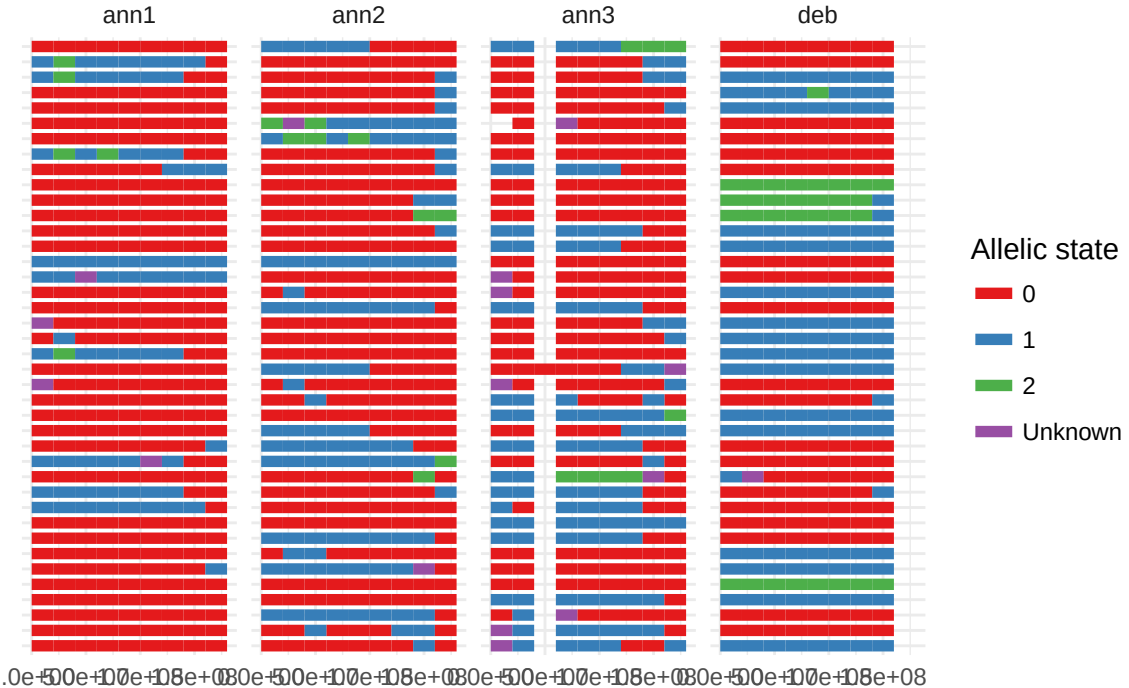

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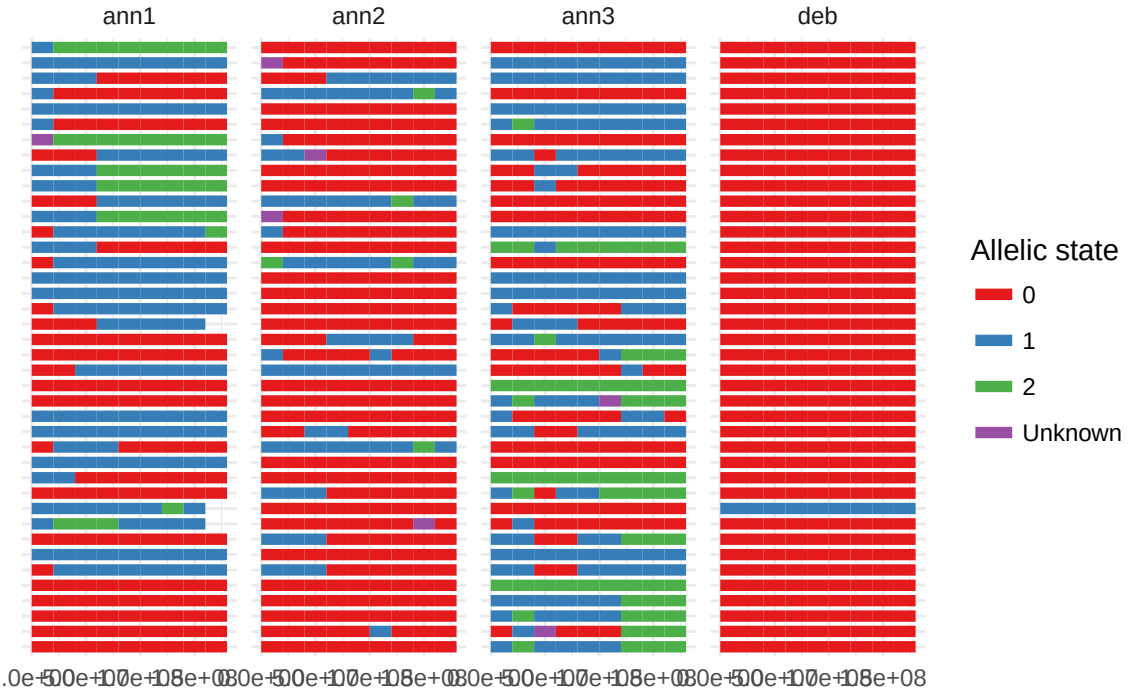

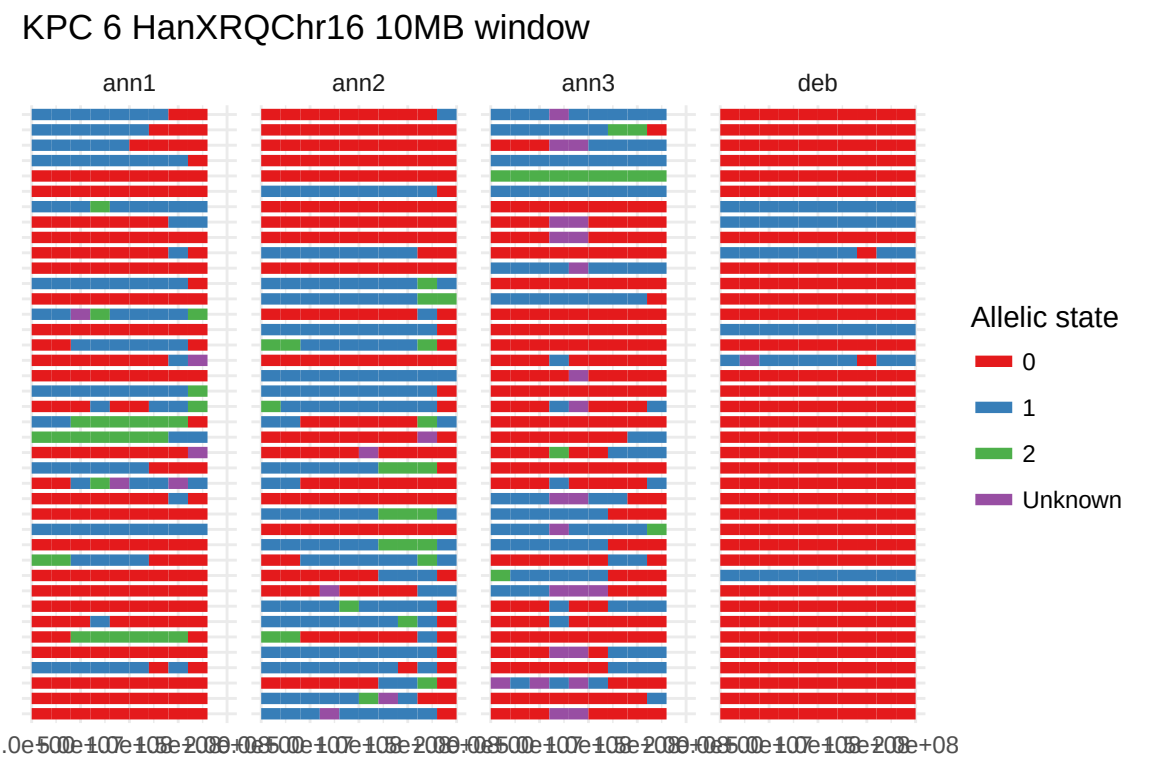
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Allelic state
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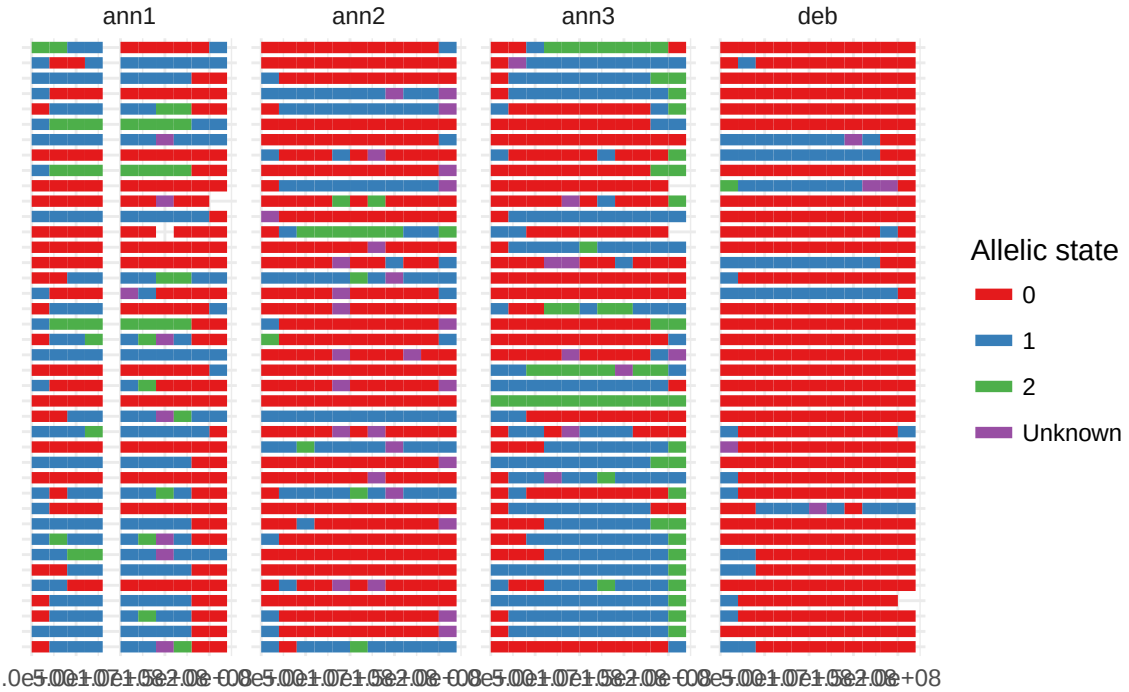
2
Unknown

KPC 6 HanXRQChr17 10MB window



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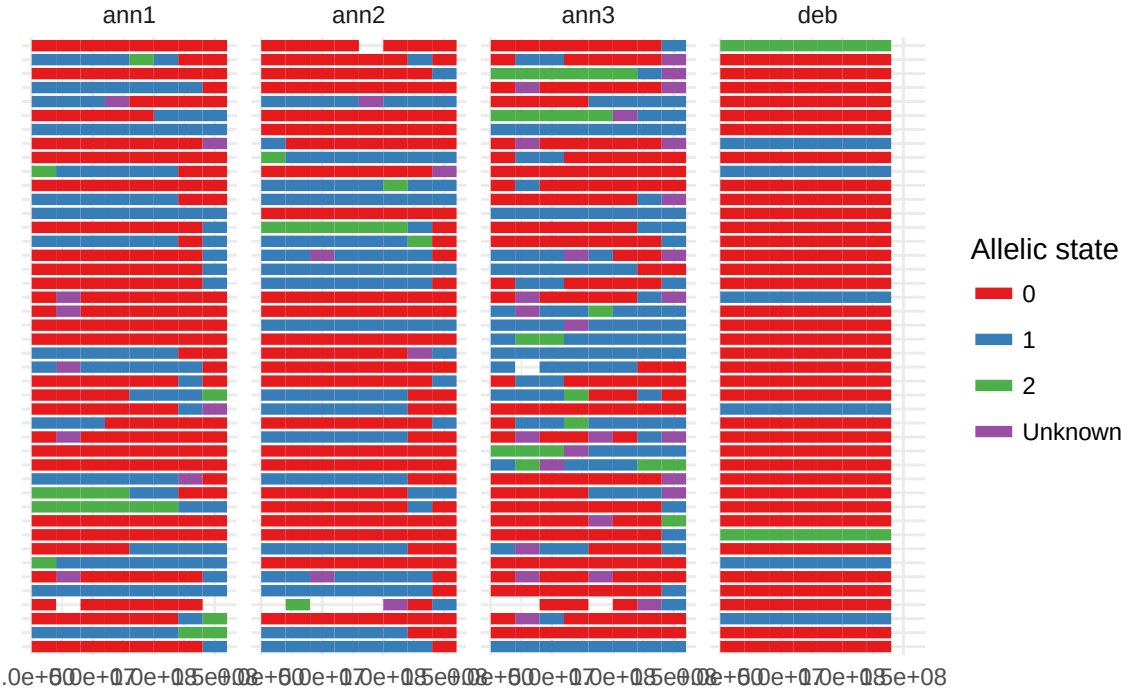

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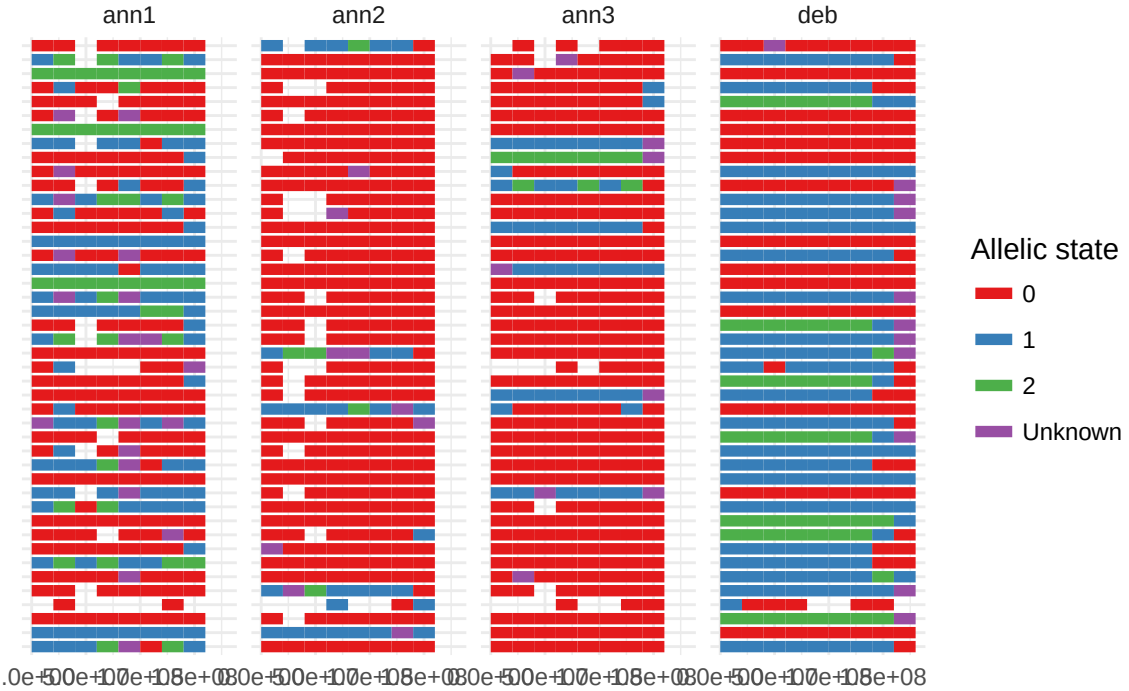

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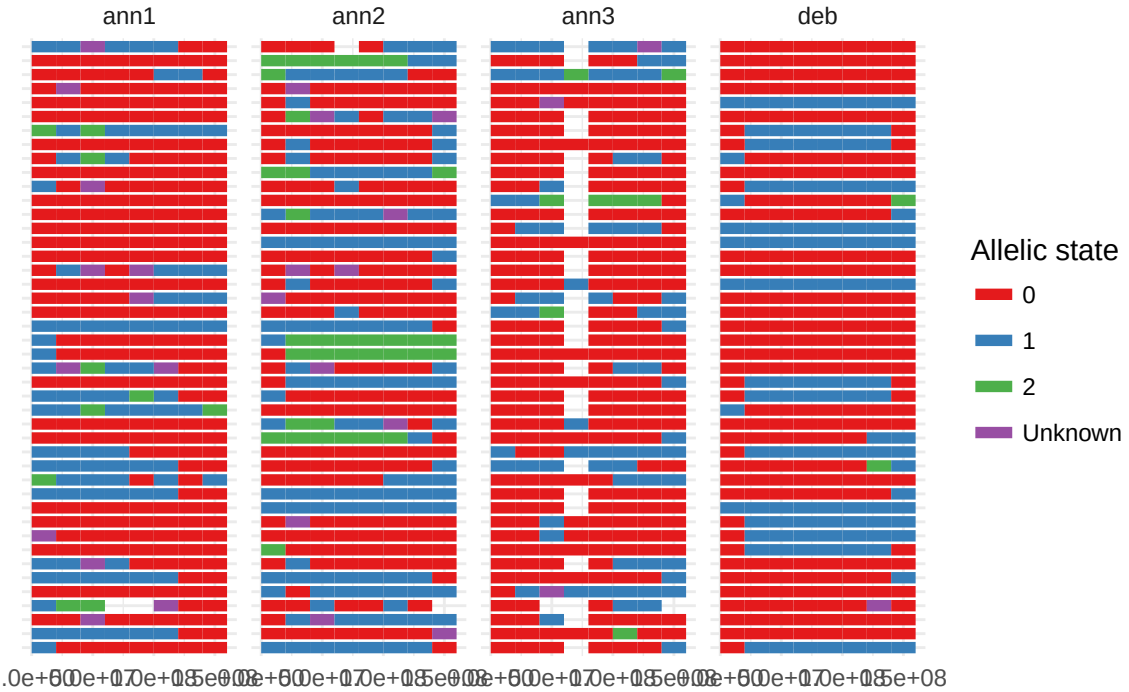

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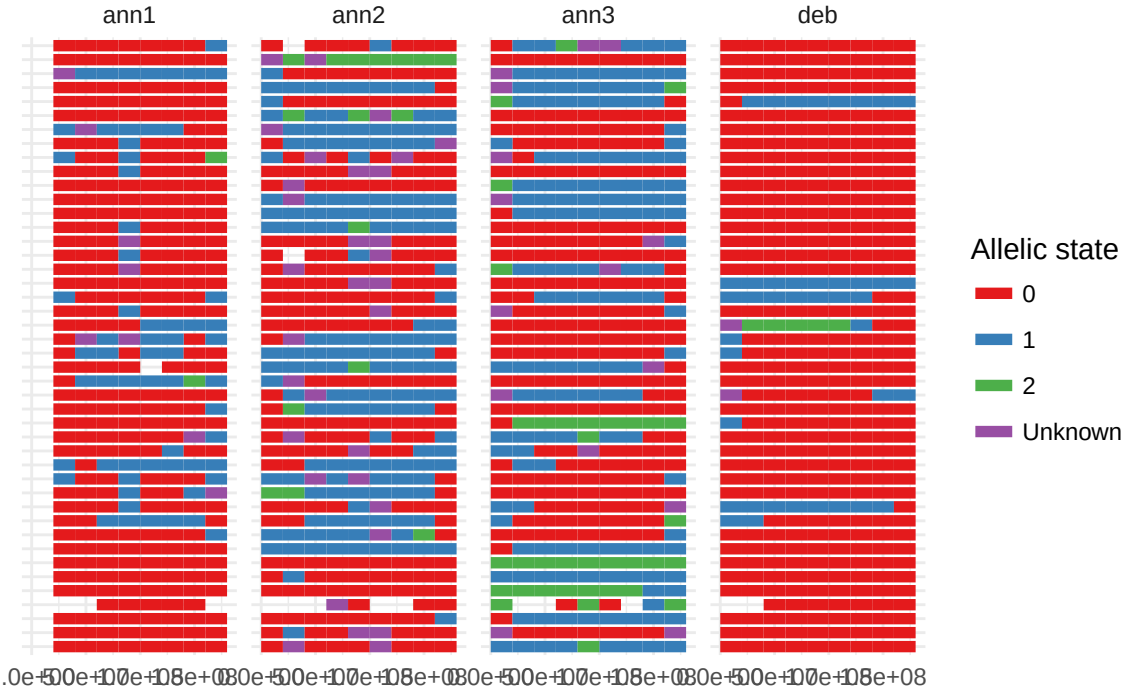

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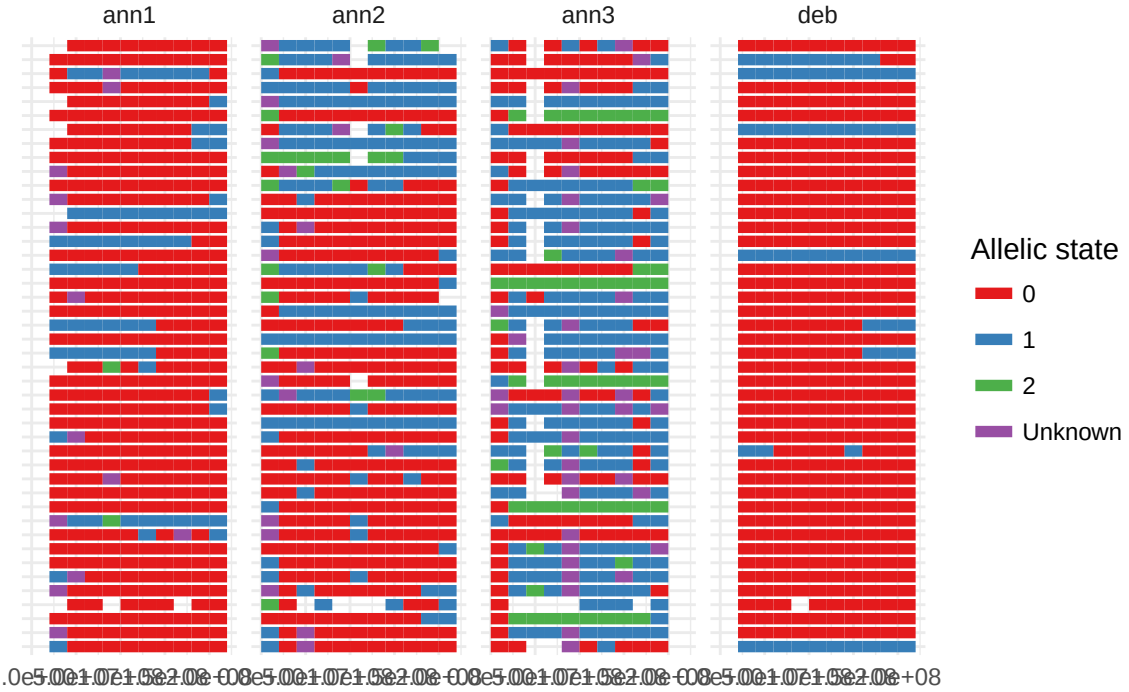

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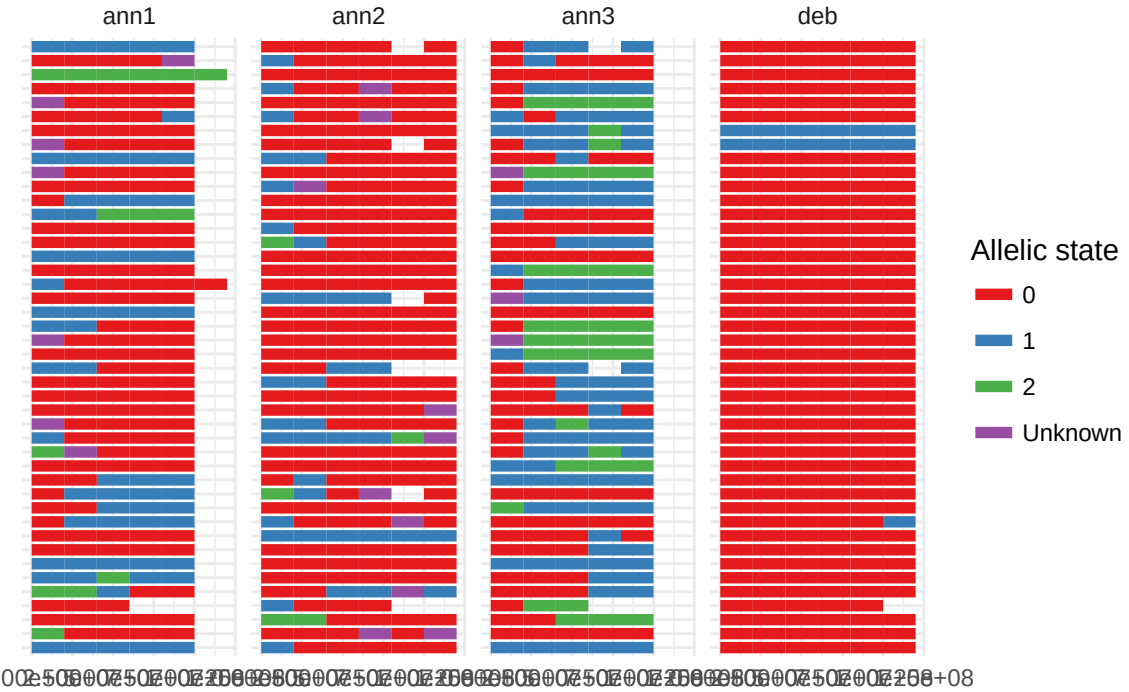

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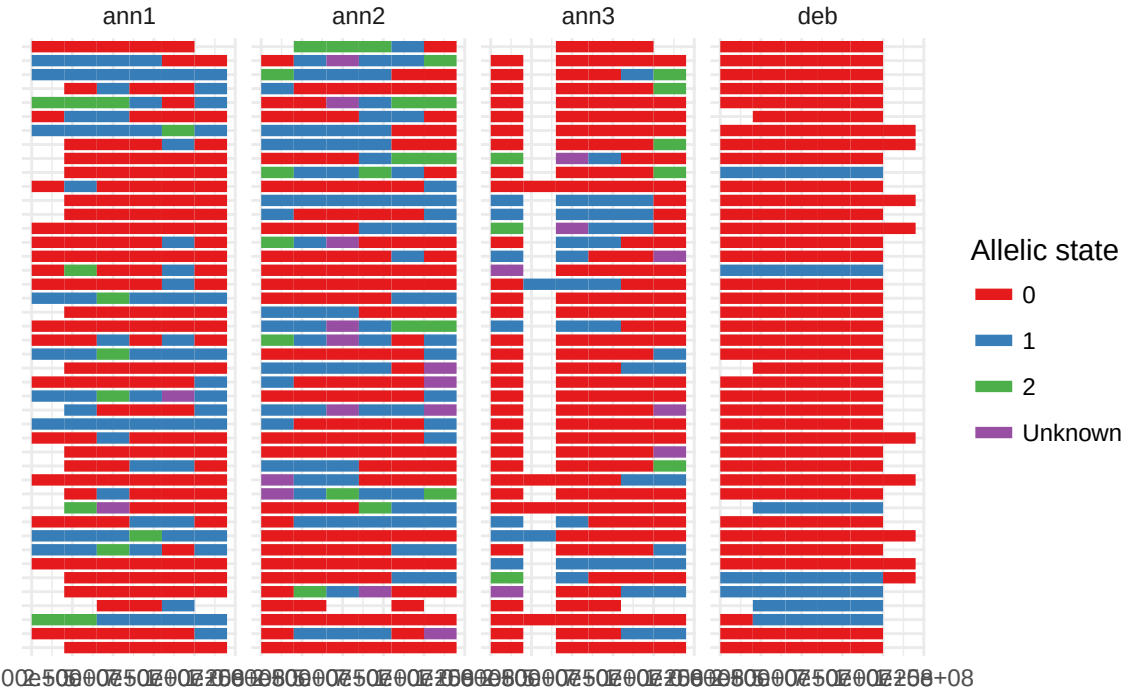

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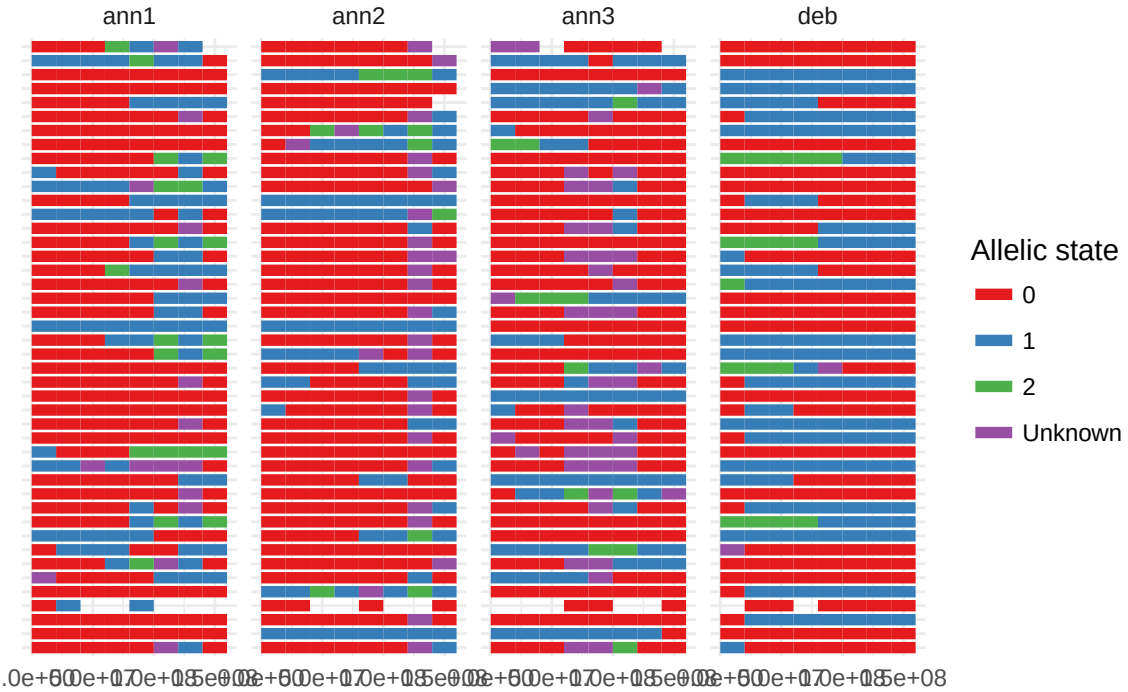

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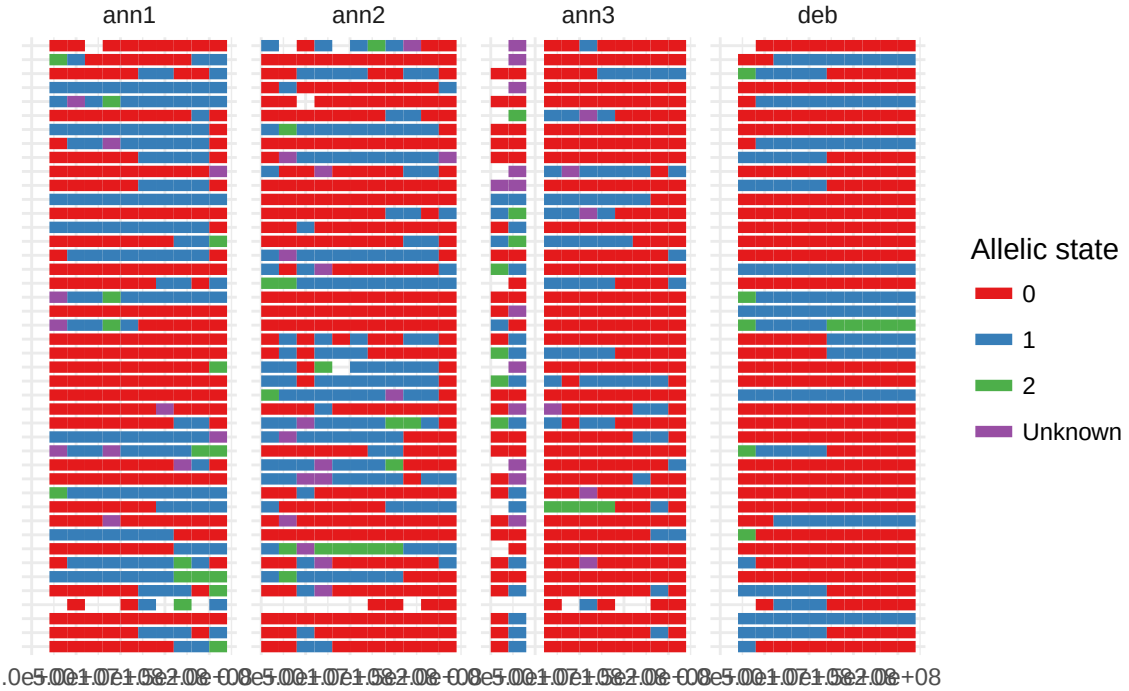

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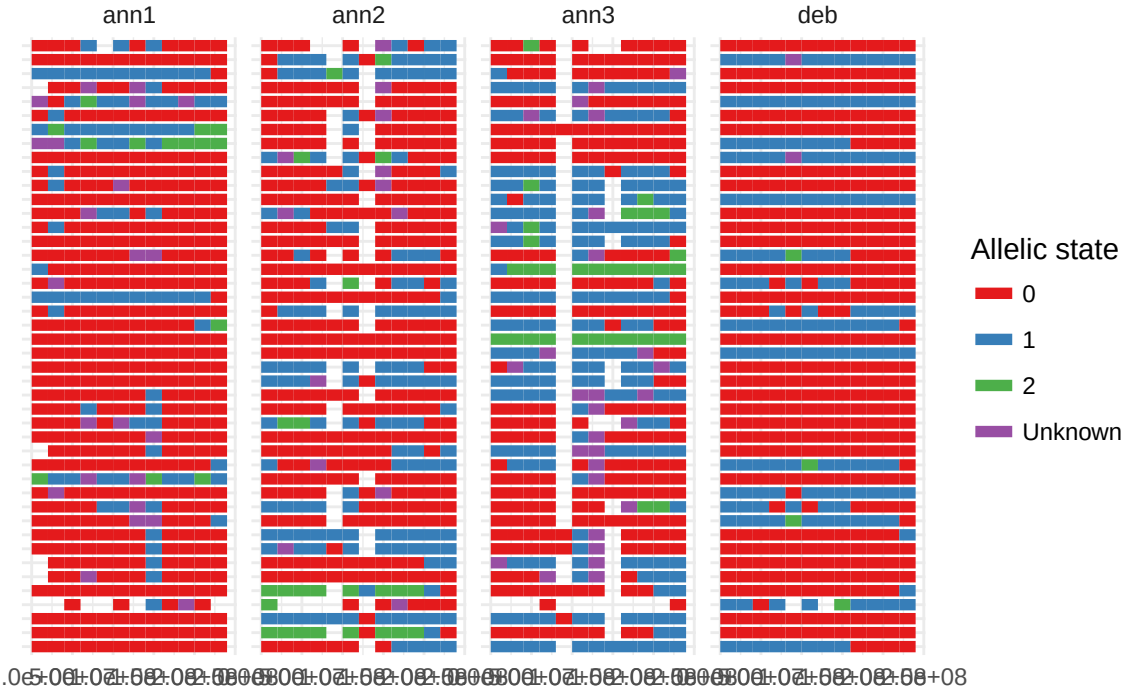

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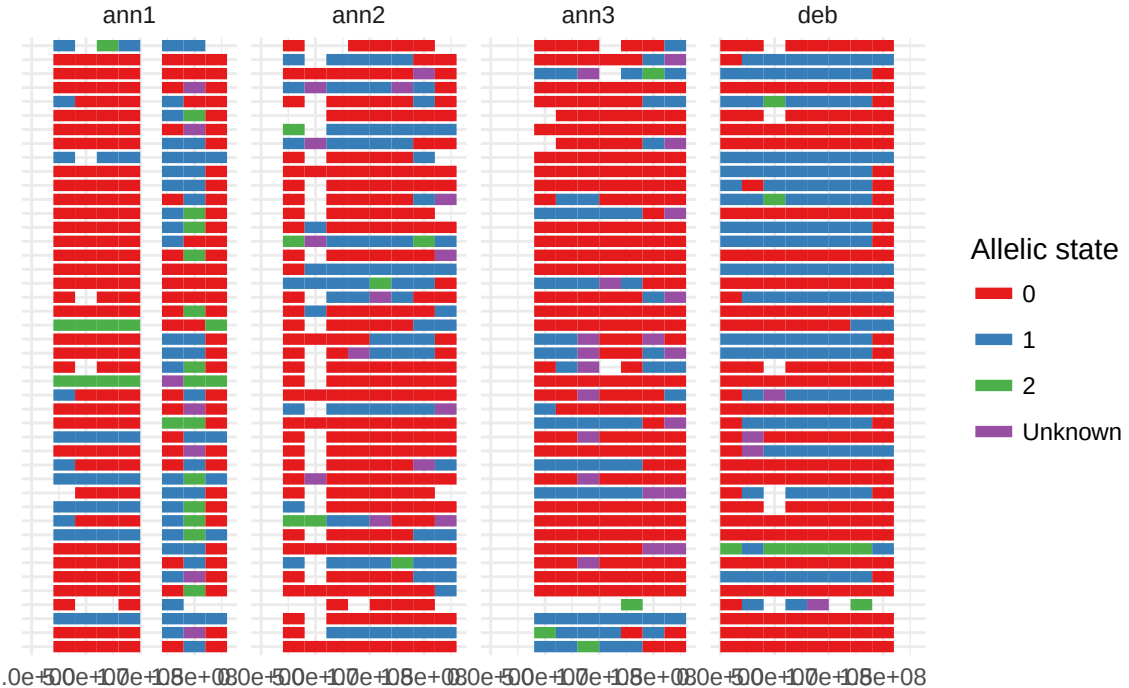

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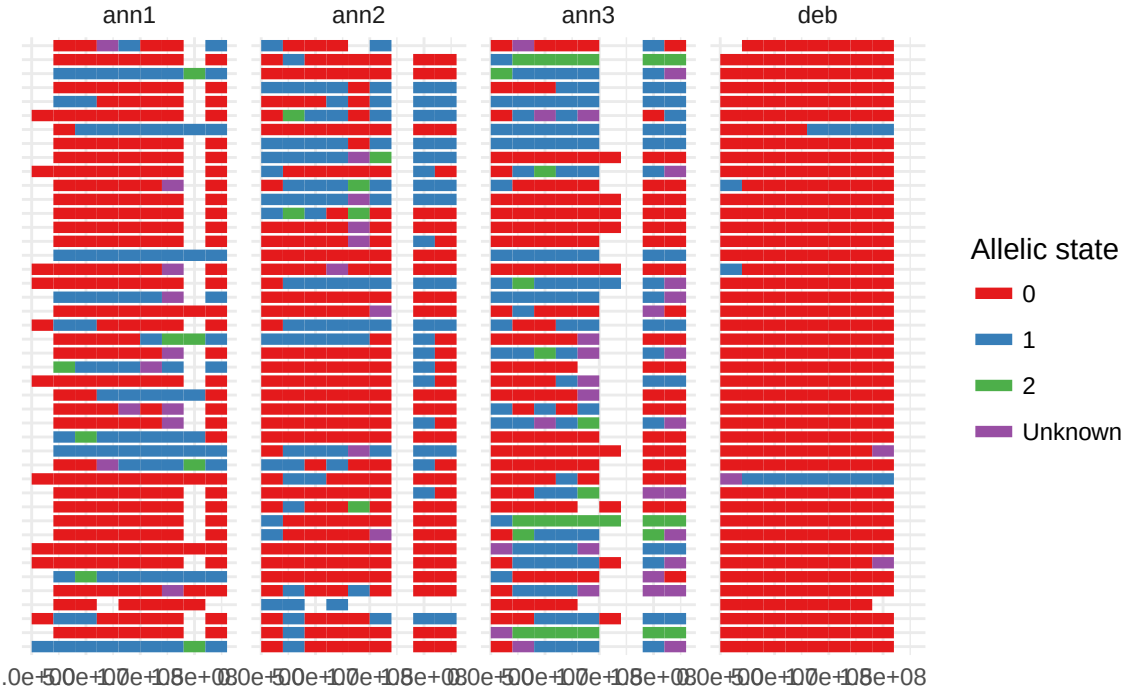

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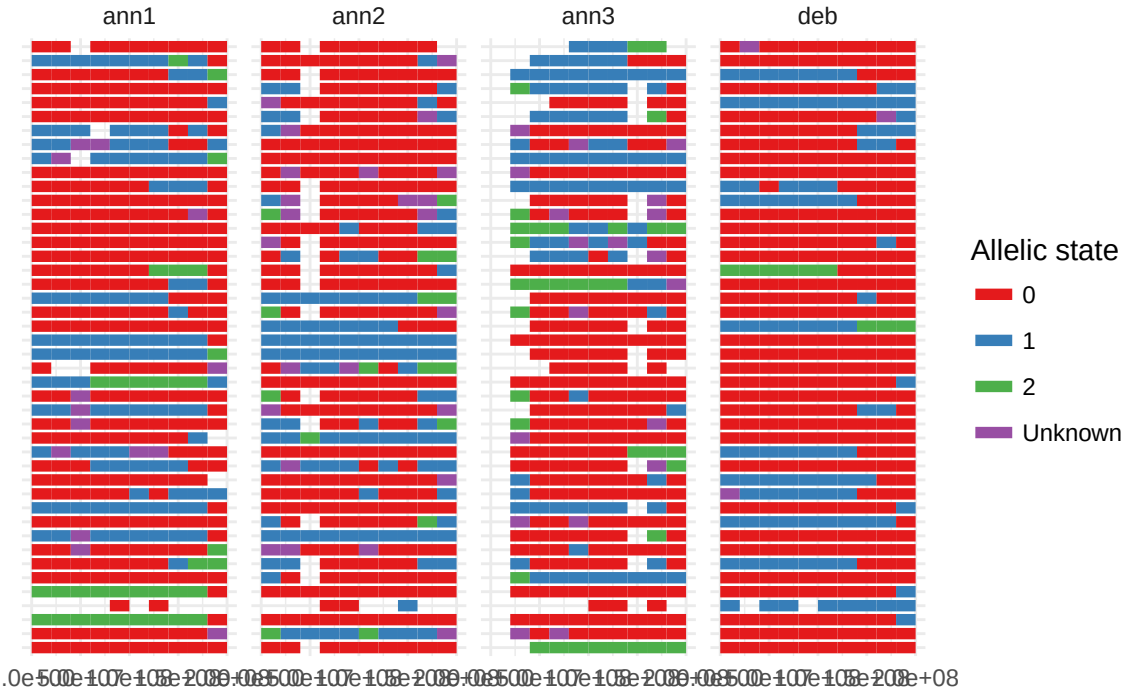

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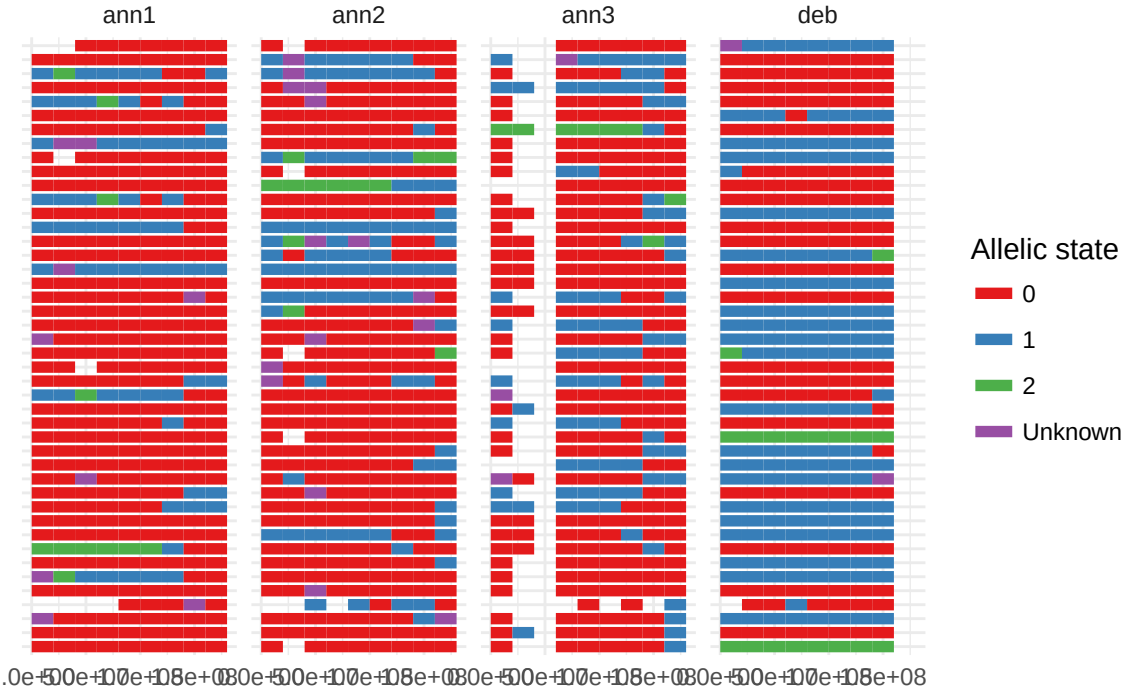

KPC 8 HanXRQChr15 10MB window
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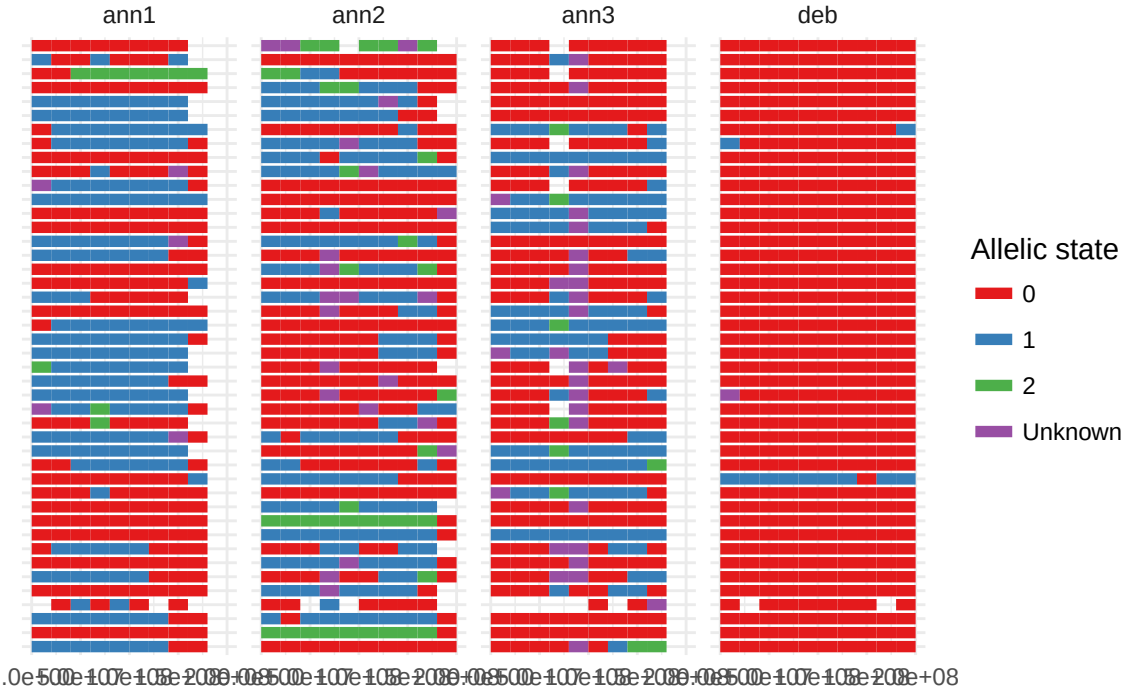
Unknown

KPC 8 HanXRQChr16 10MB window



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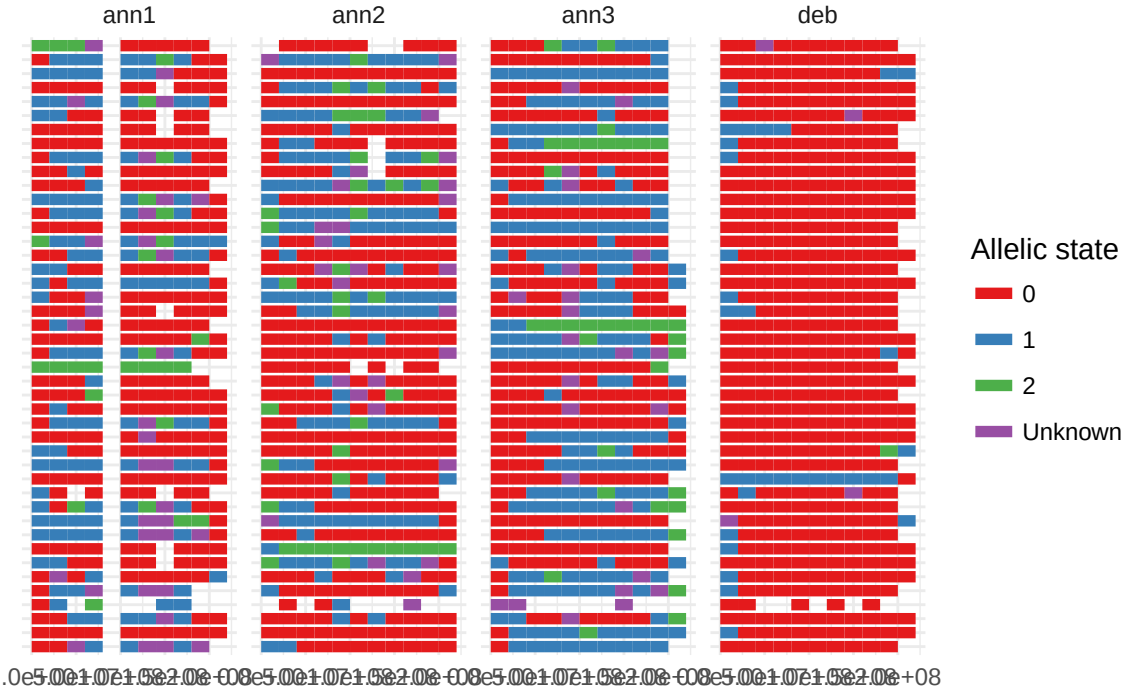
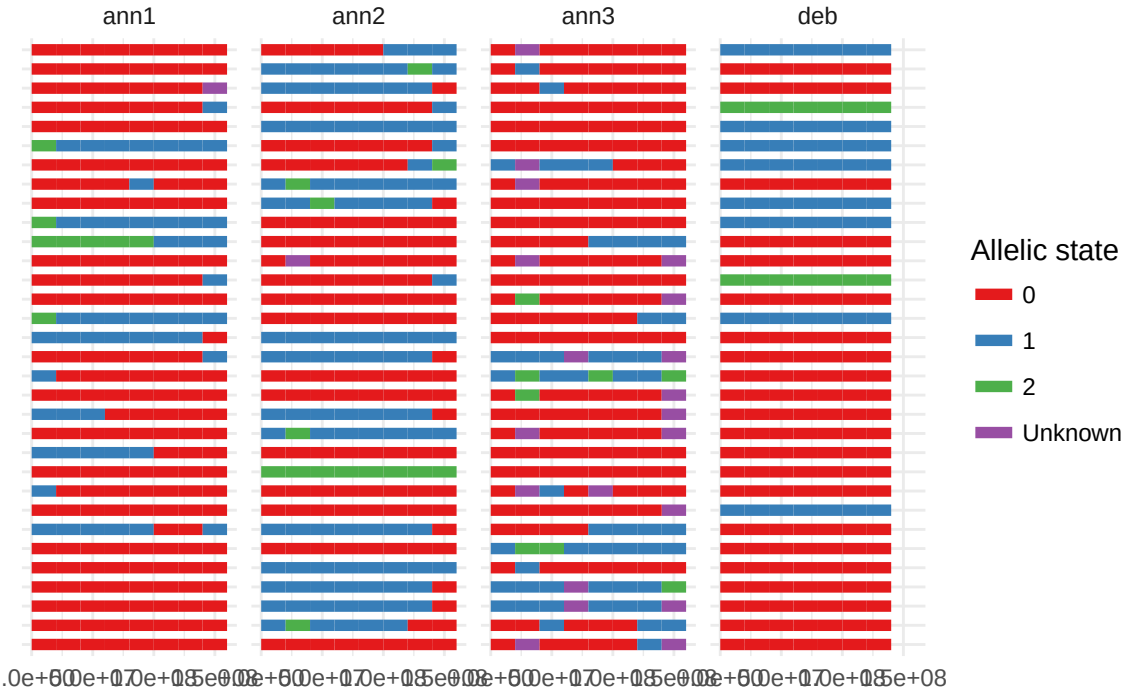
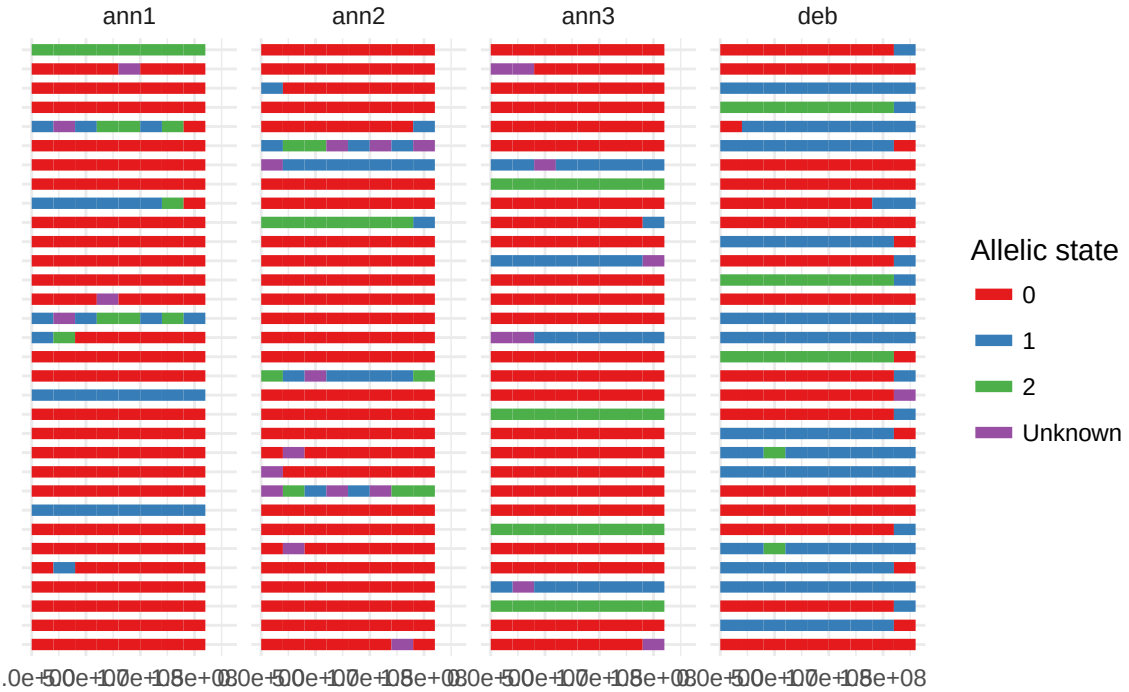
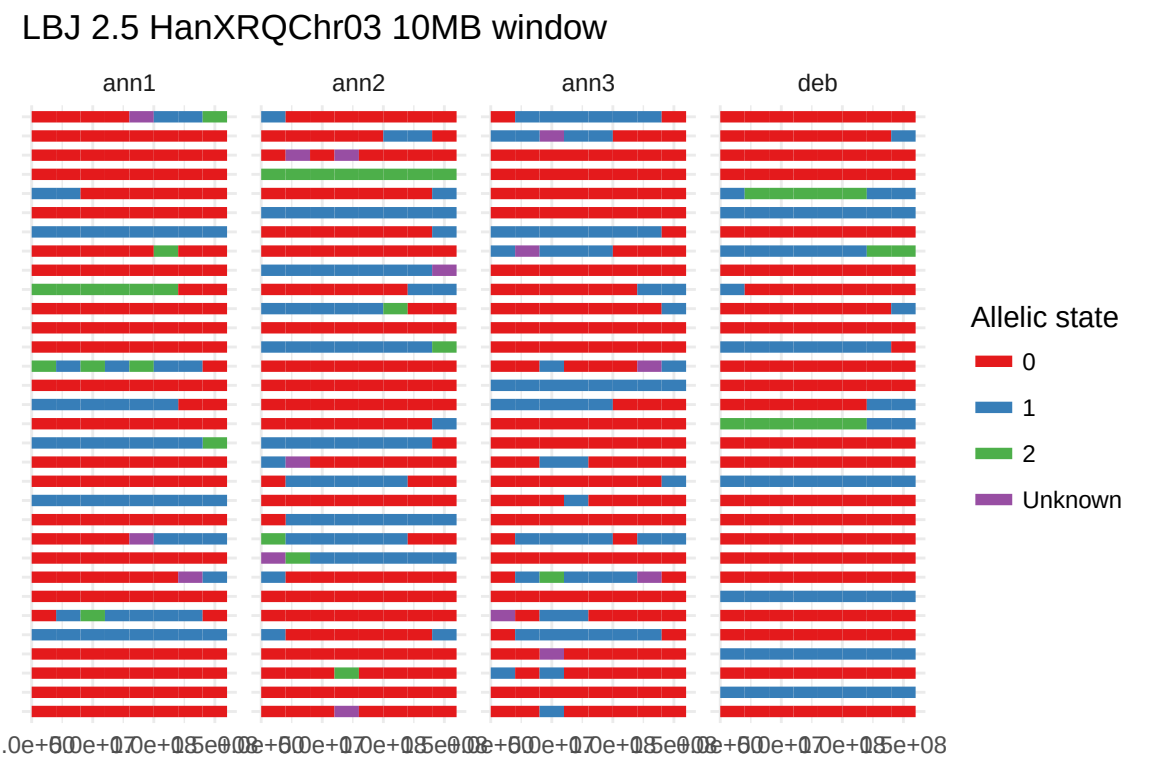


LBJ 2.5 HanXRQChr01 10MB window



LBJ 2.5 HanXRQChr02 10MB window




LBJ 2.5 HanXRQChr03 10MB window
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ann3
deb
Allelic state
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2
Unknown

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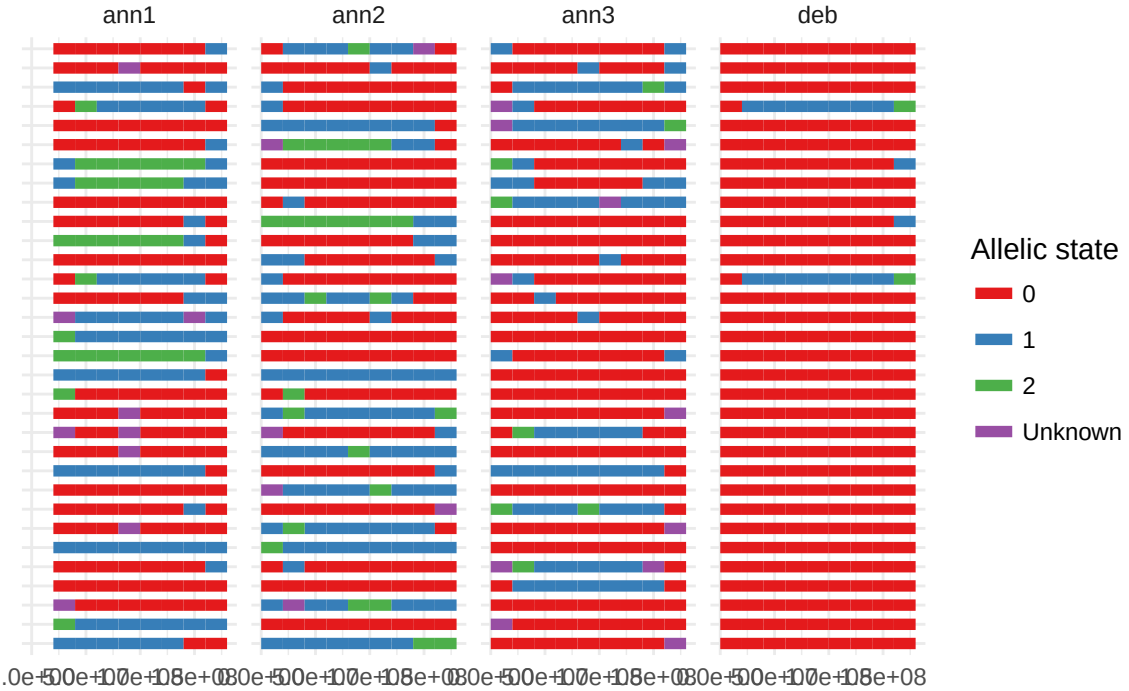

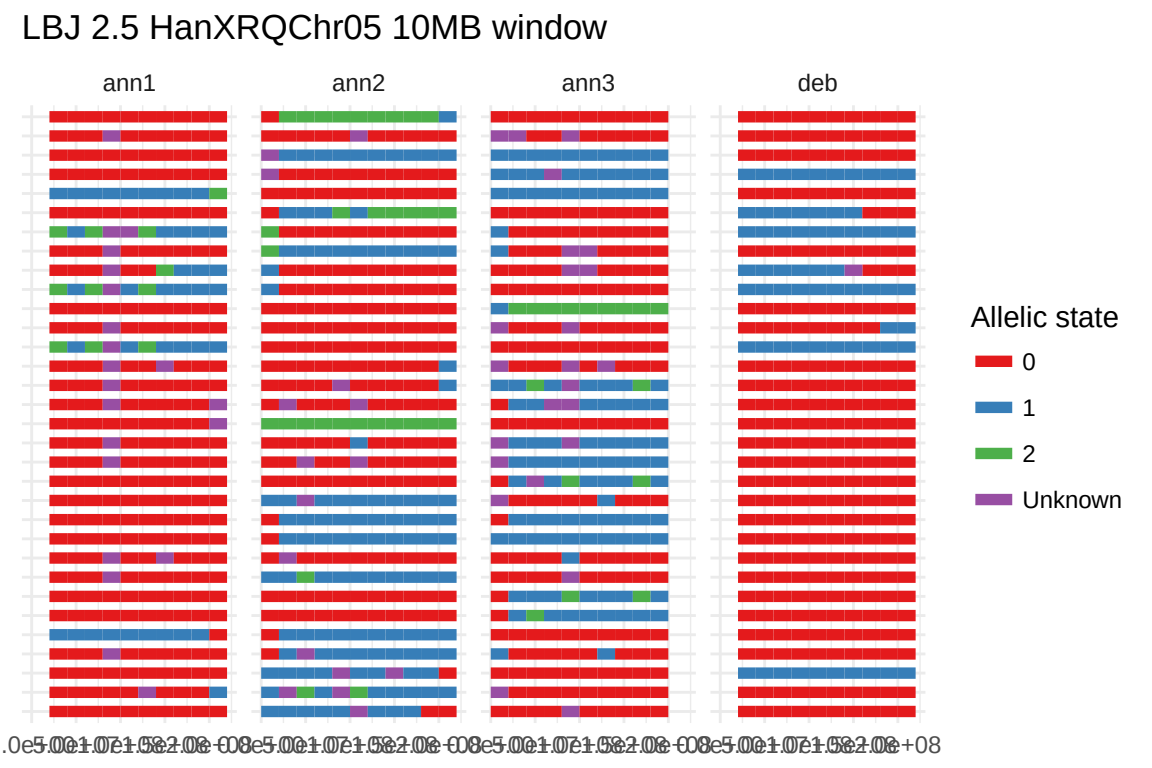
LBJ 2.5 HanXRQChr05 10MB window
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ann3
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Allelic state
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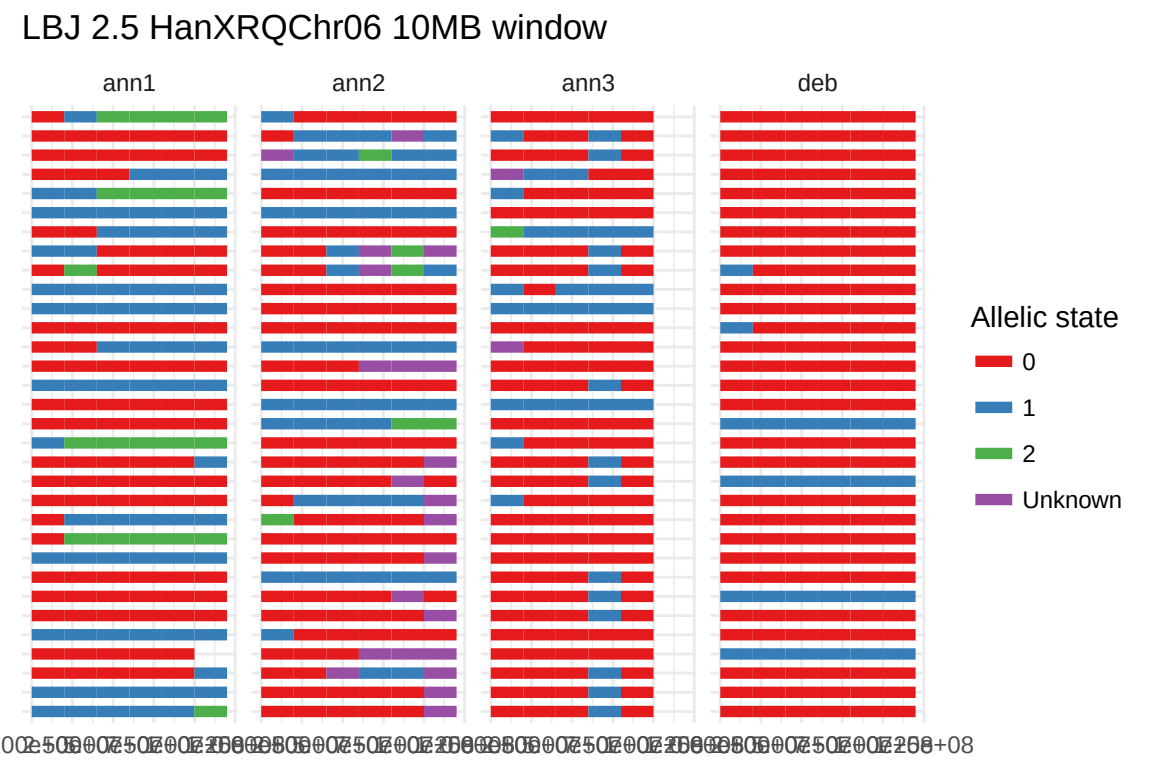
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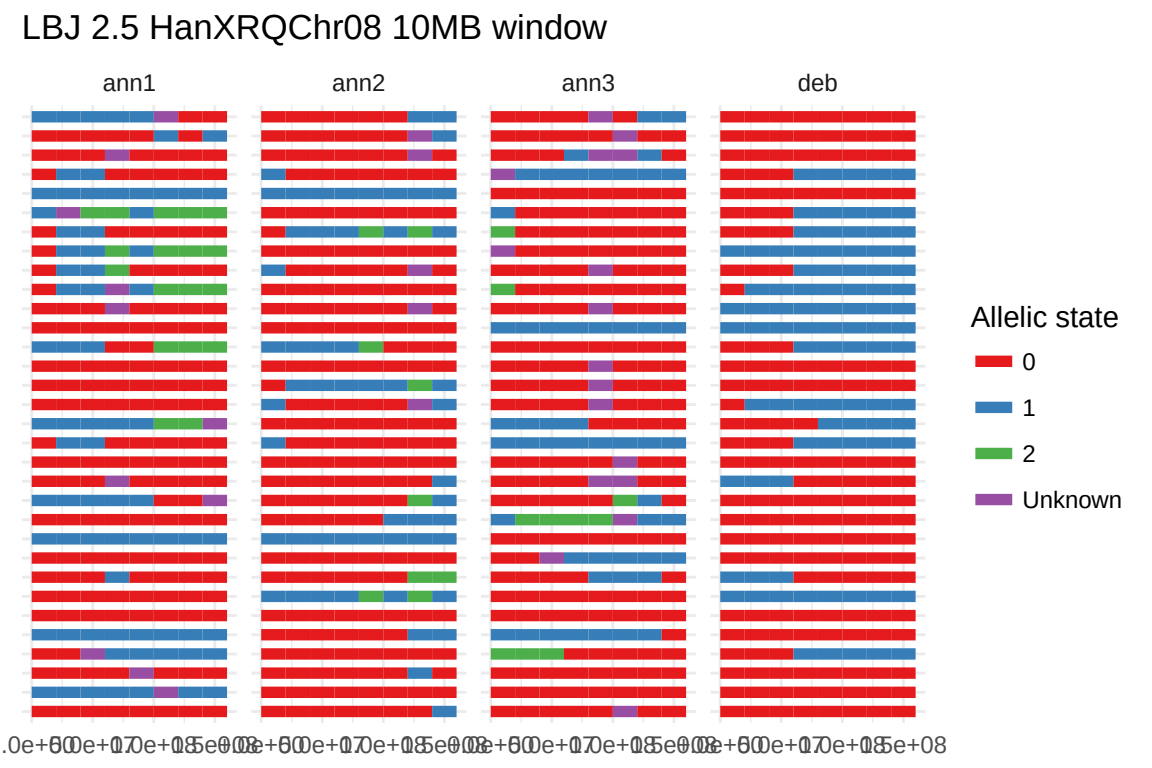
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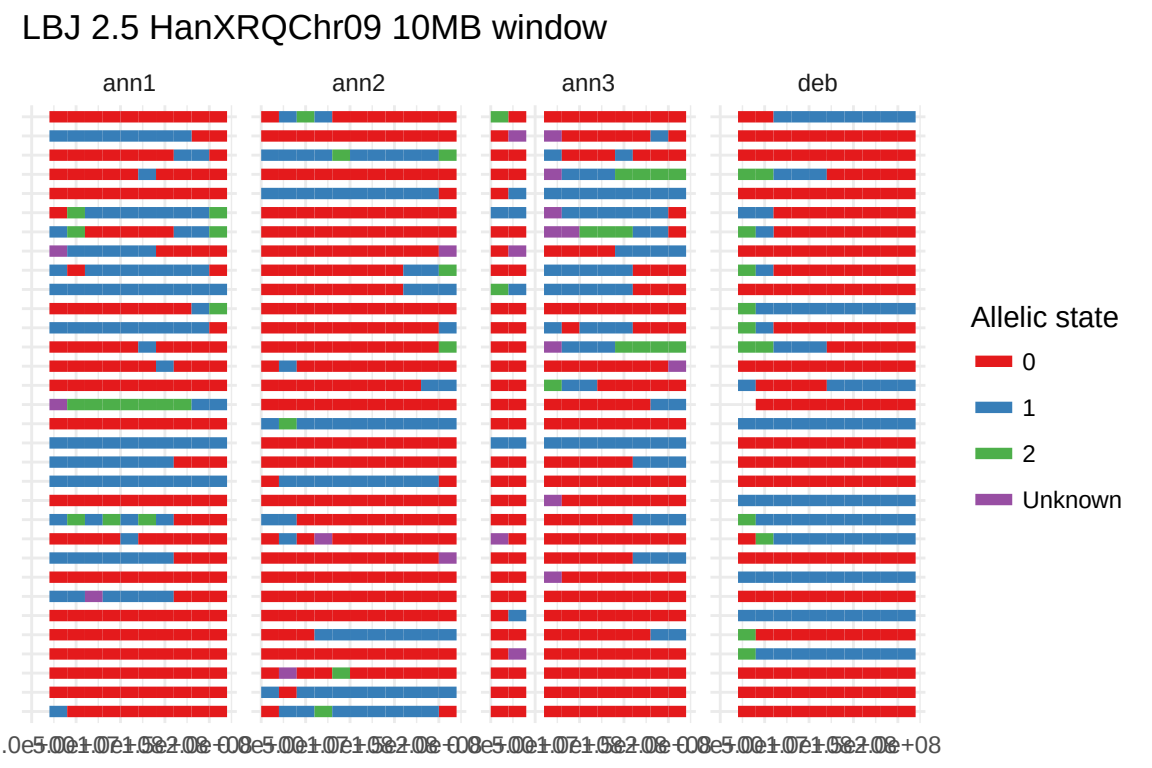
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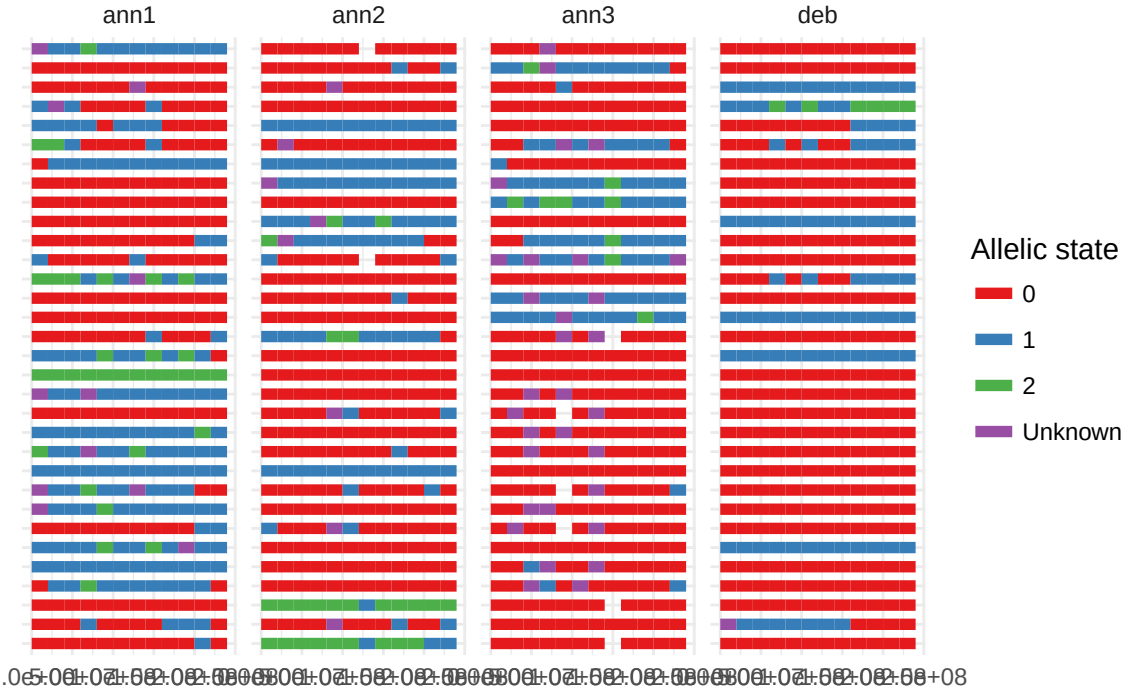

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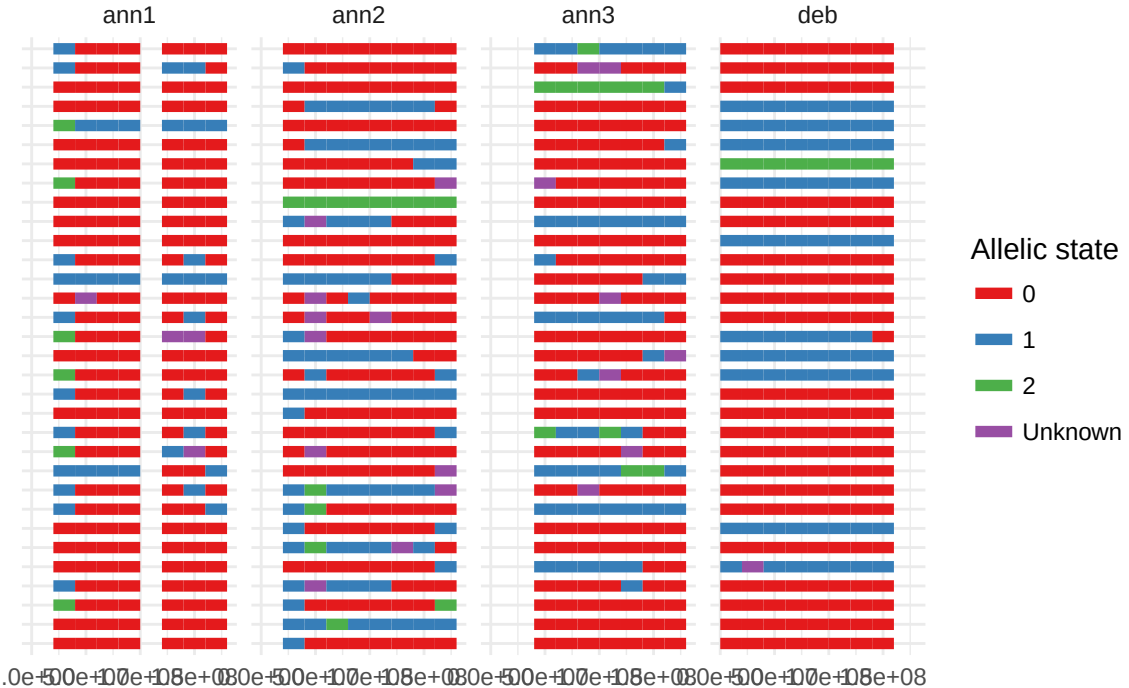

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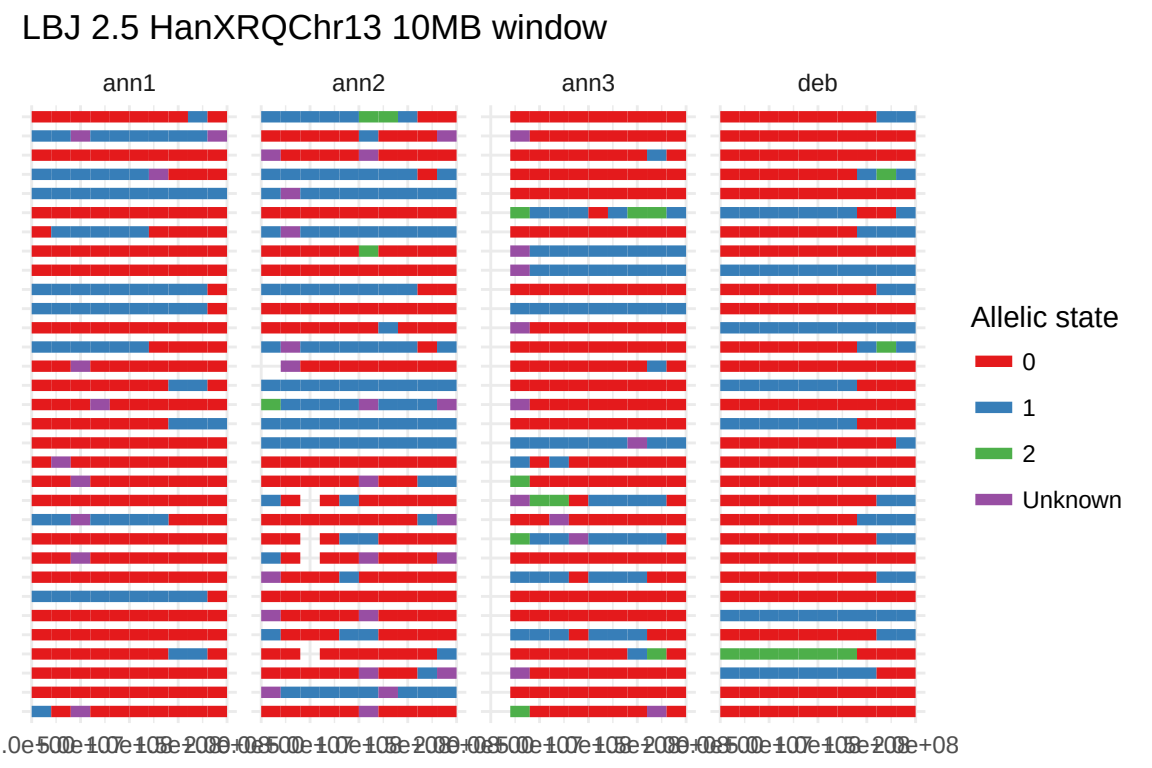
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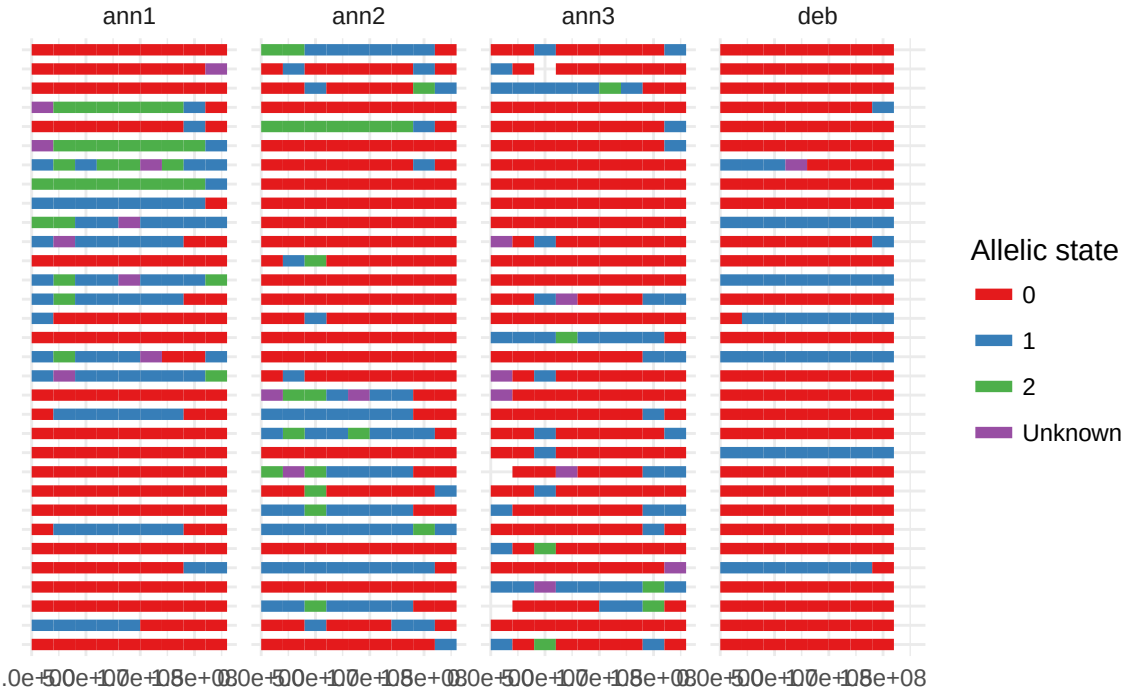

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1
2
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ann2
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deb
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2
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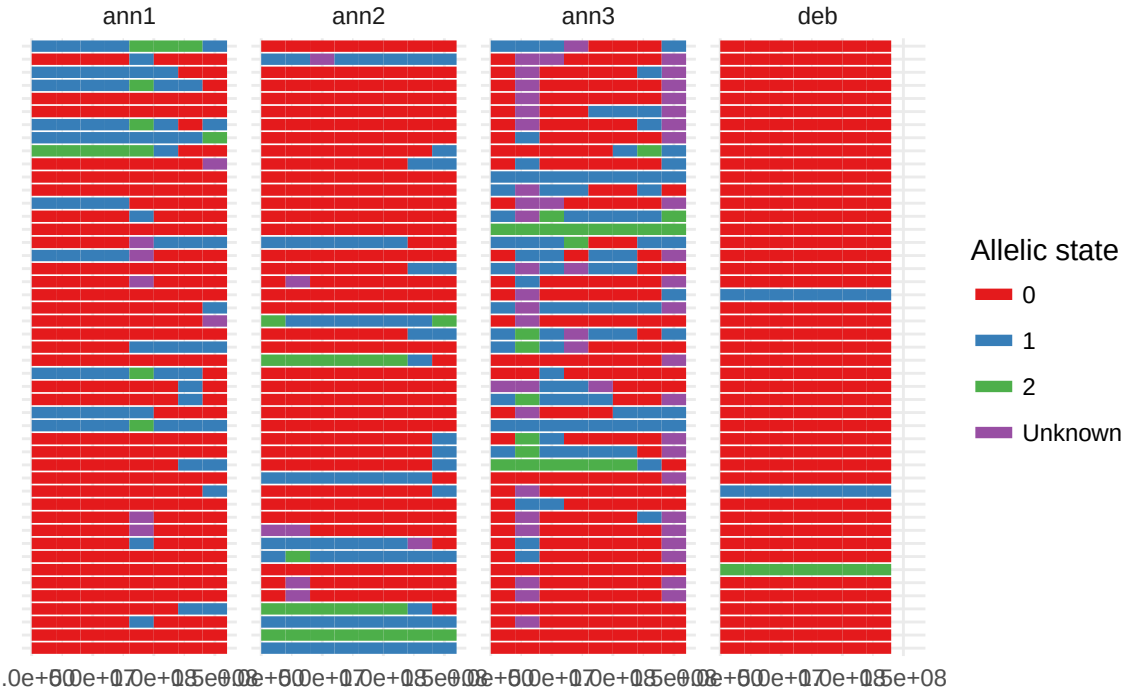
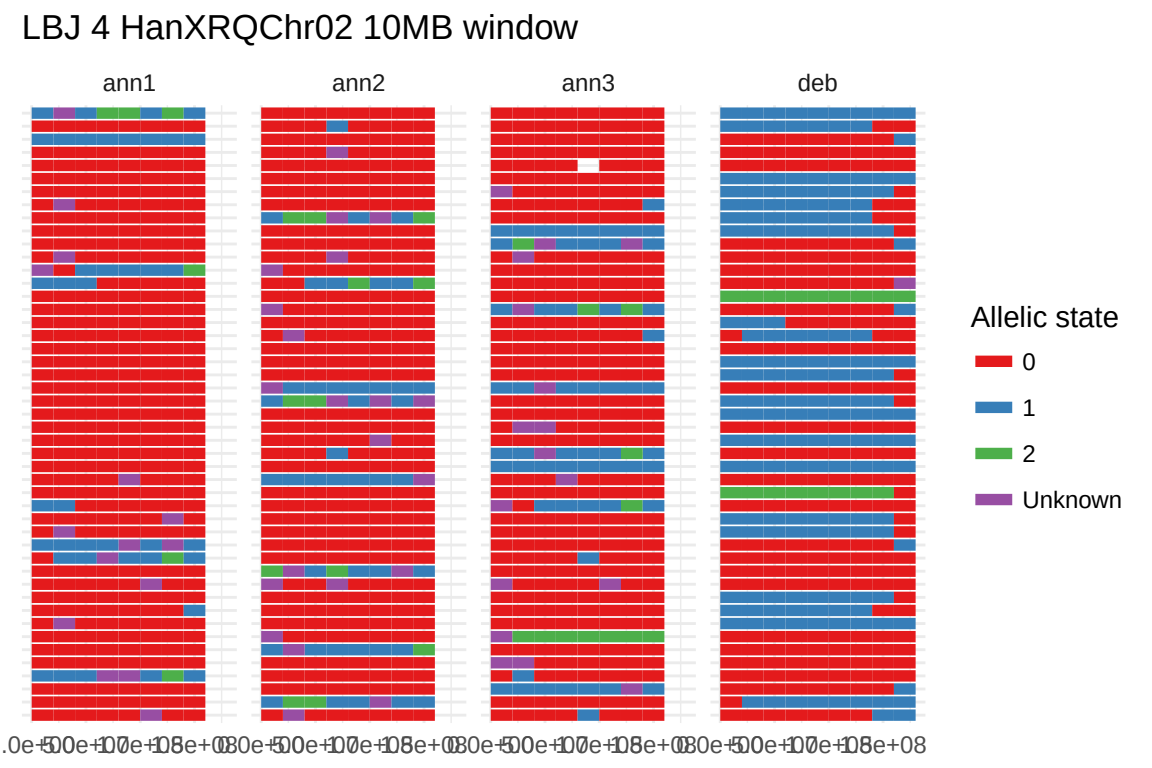
LBJ 4 HanXRQChr01 10MB window

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.0e+00
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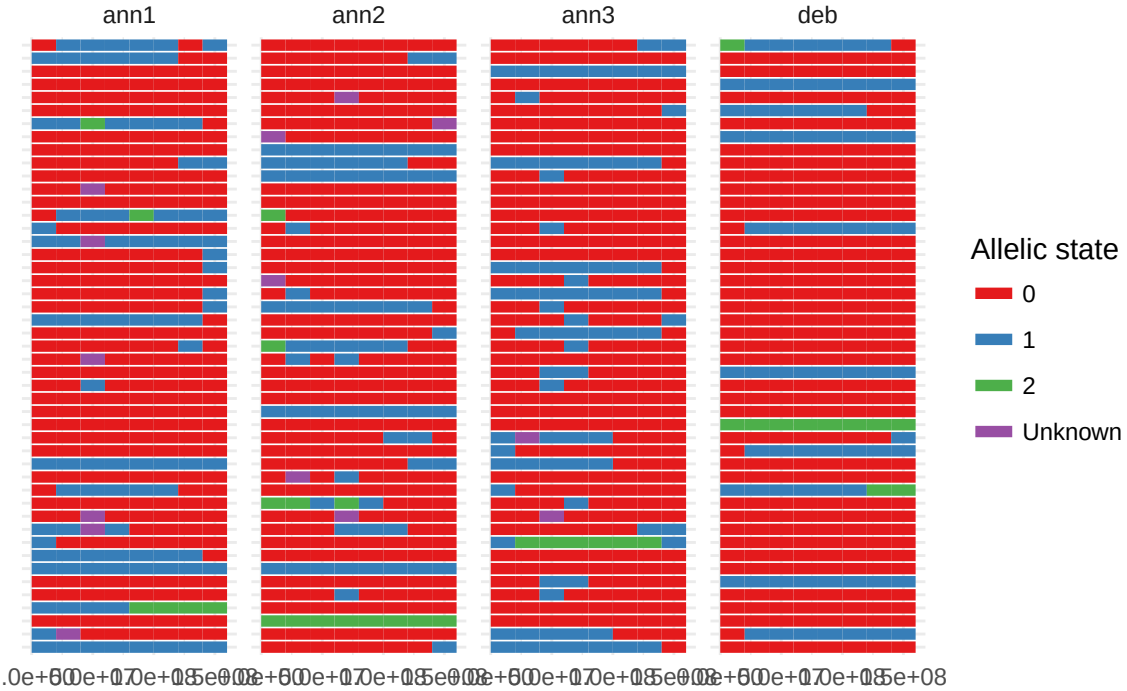

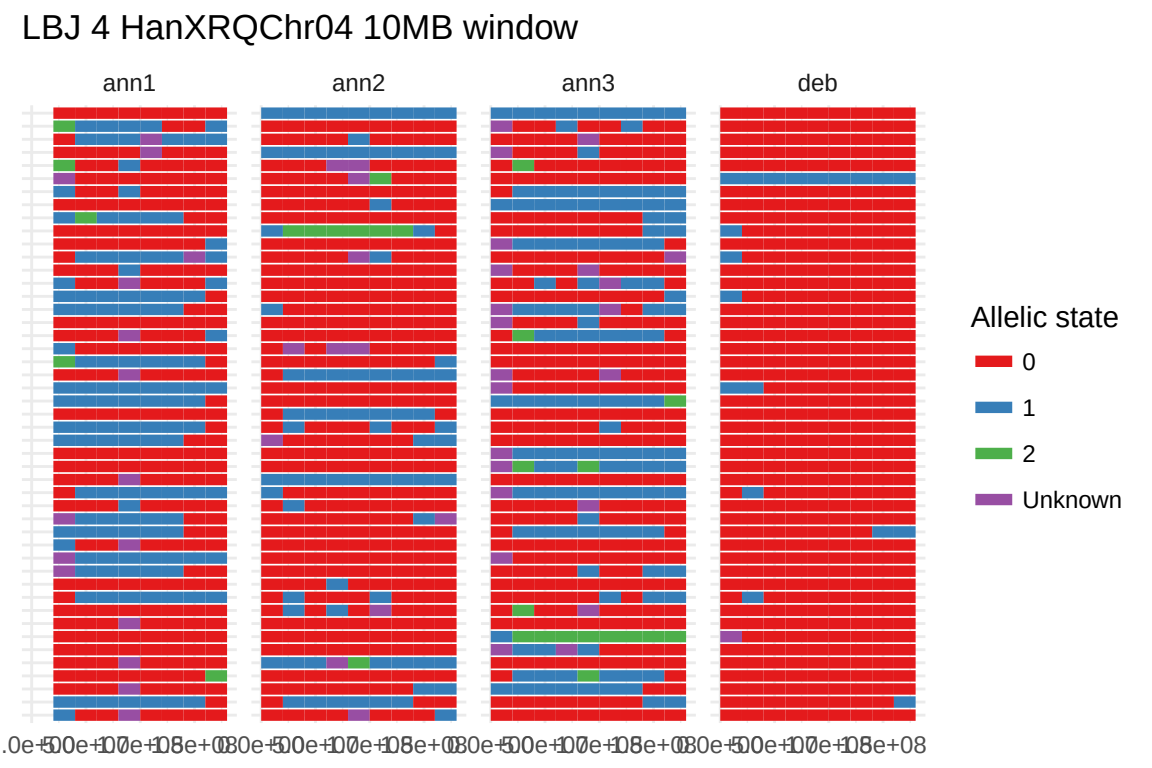
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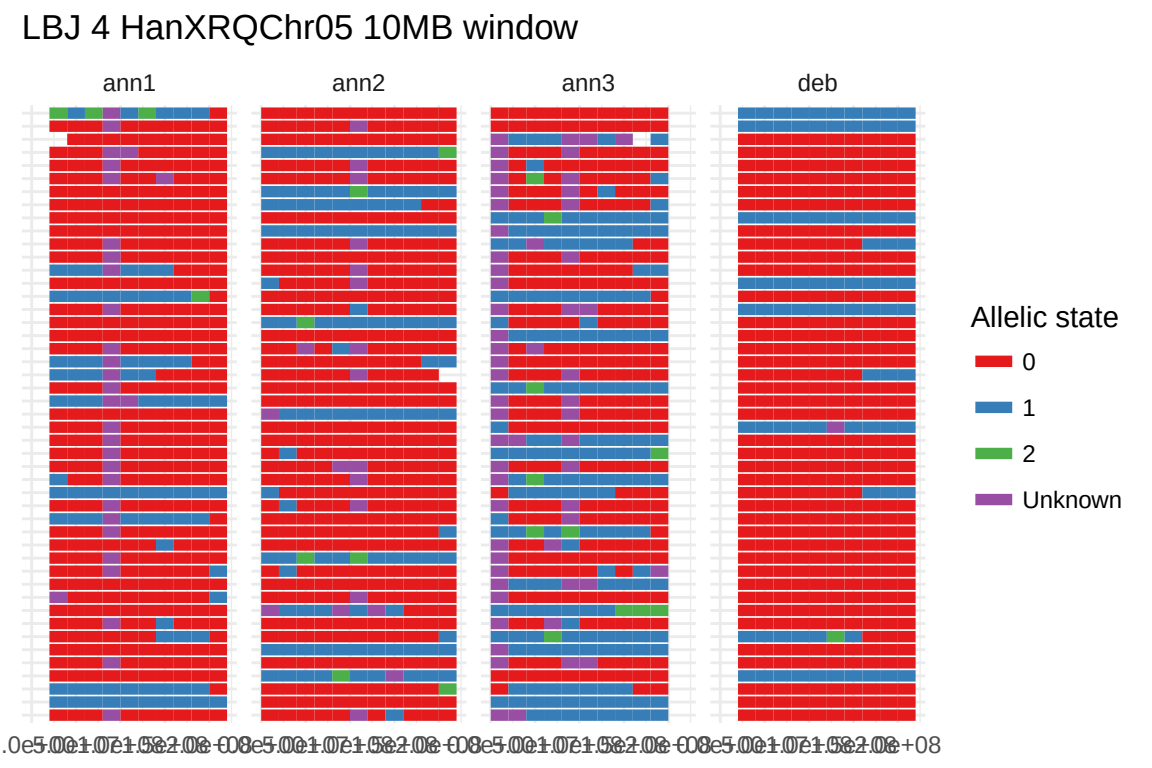
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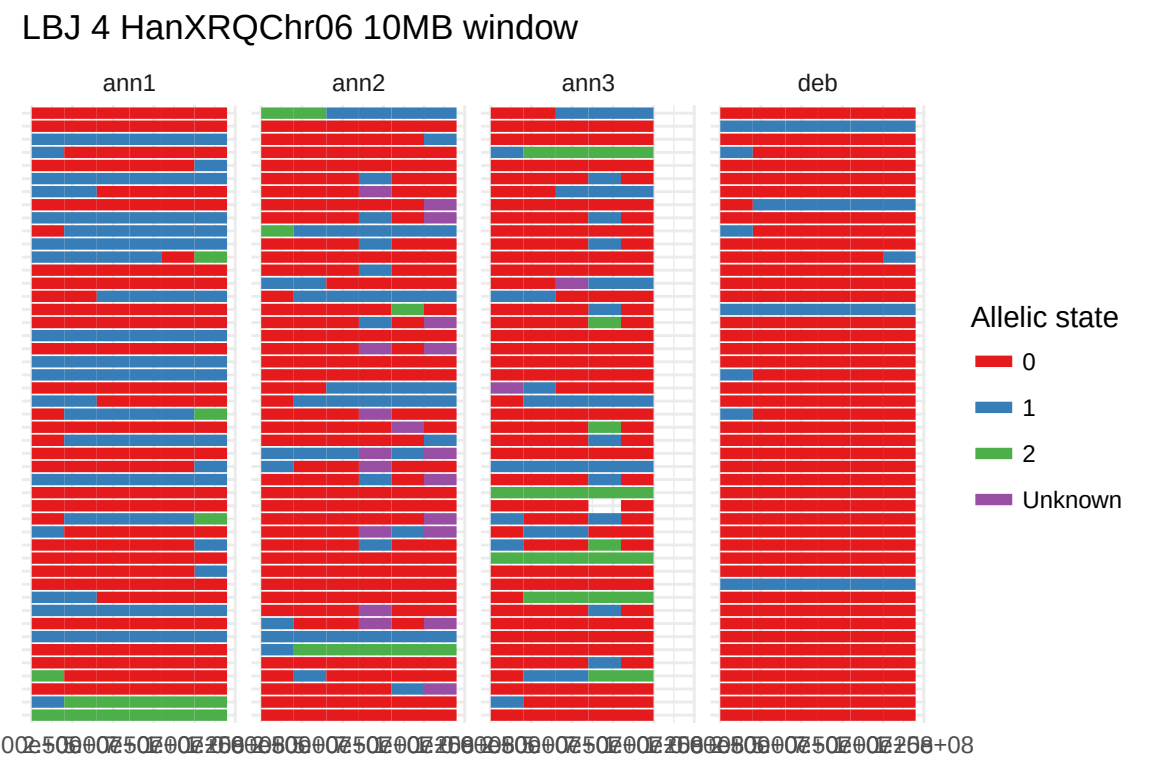
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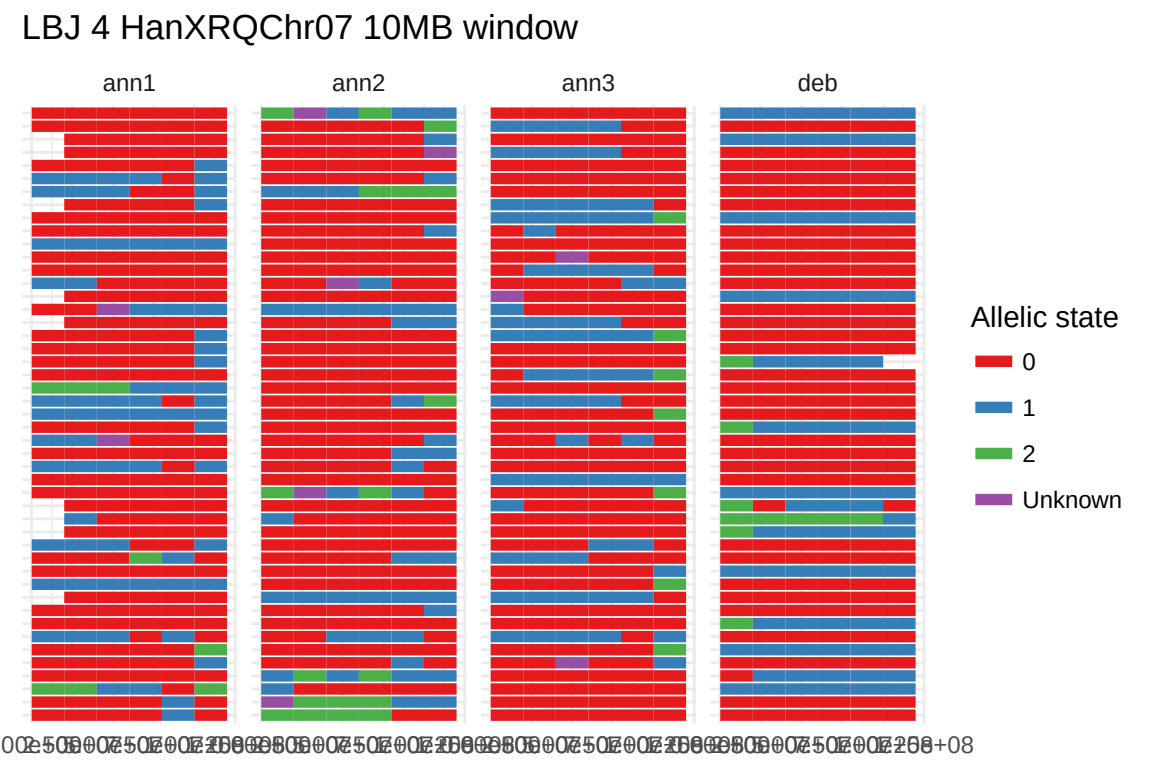
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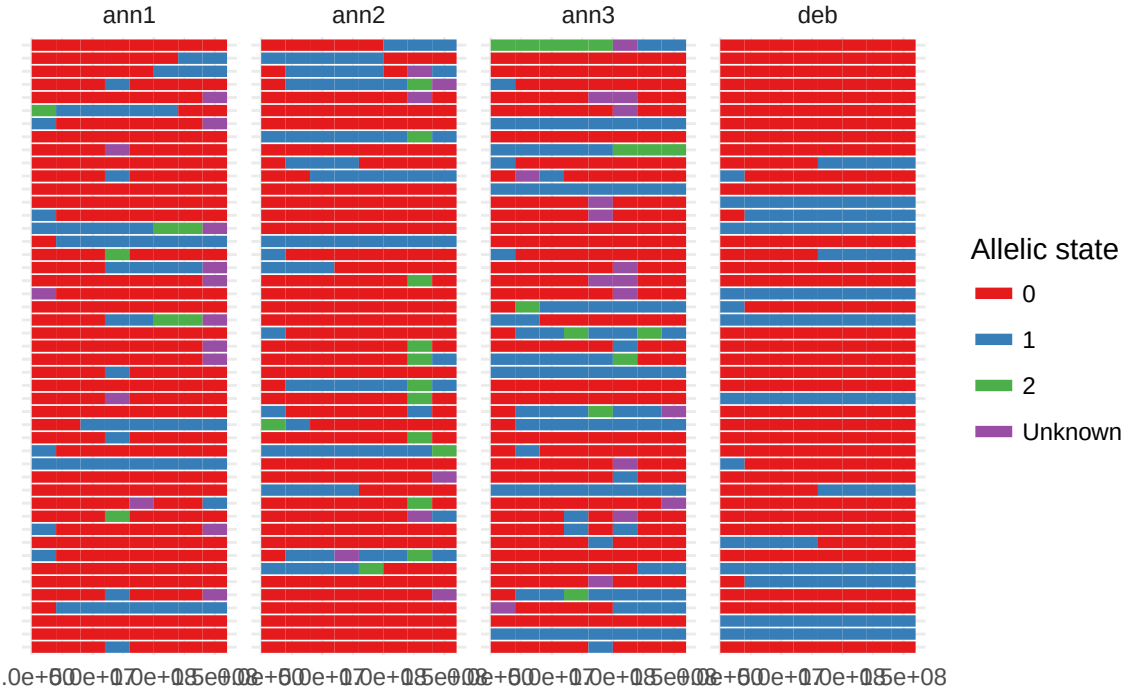
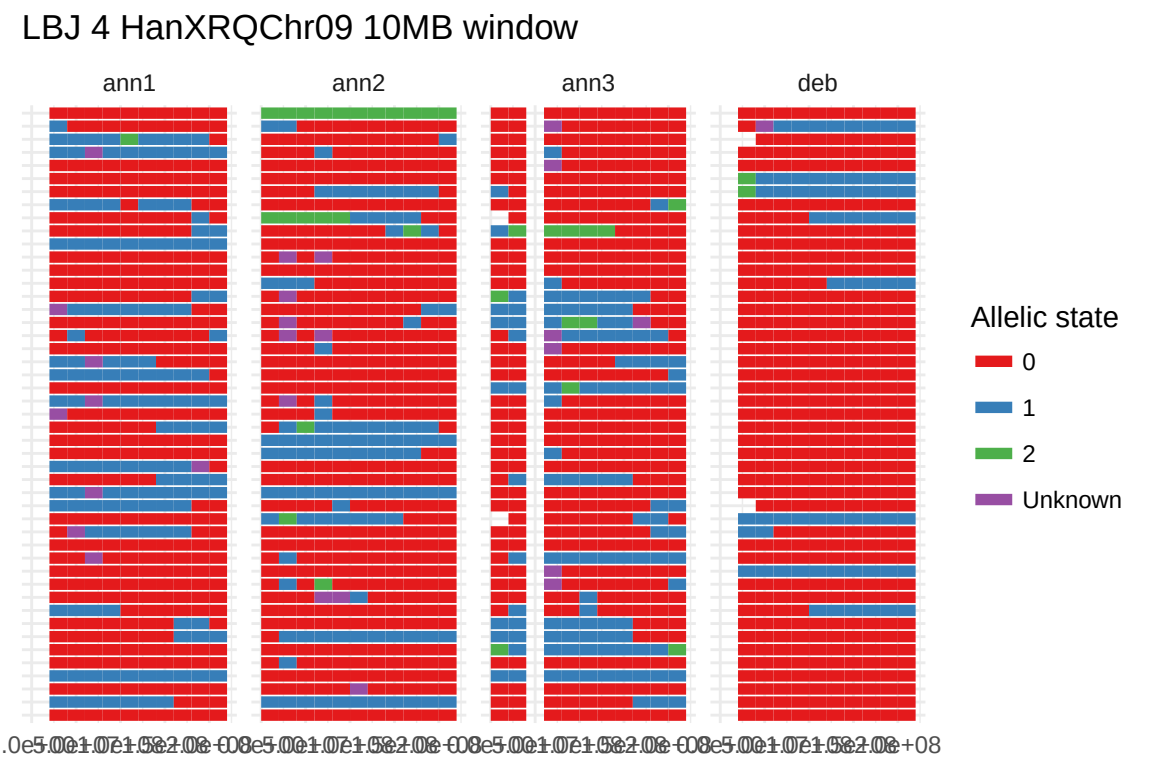
LBJ 4 HanXRQChr08 10MB window

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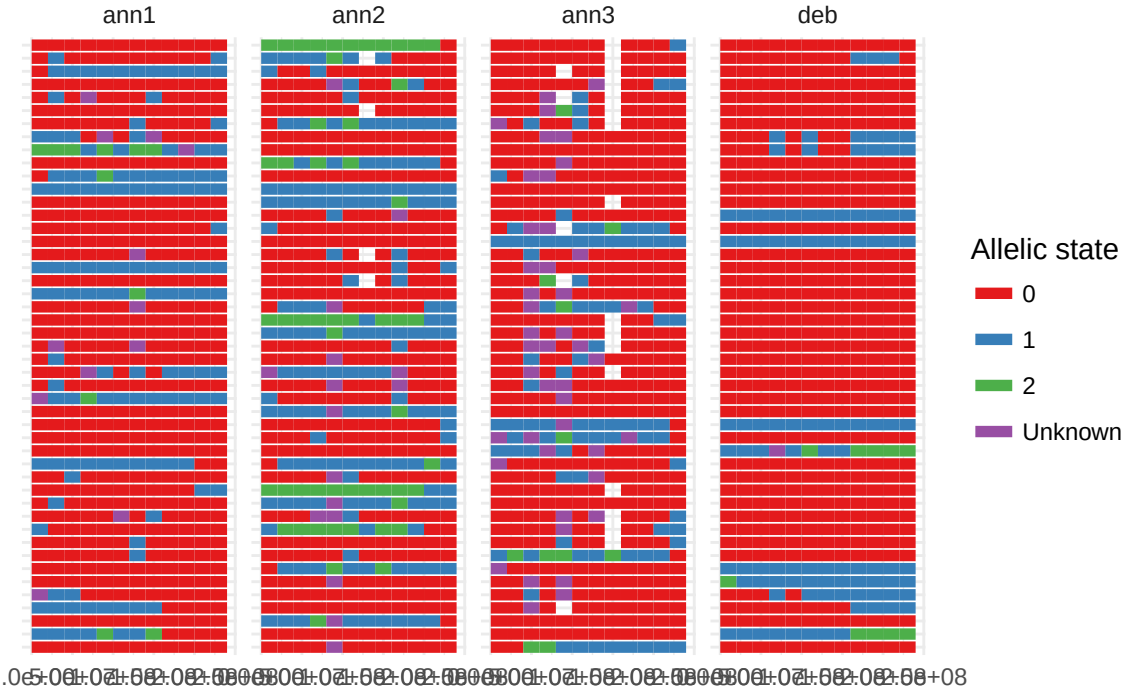

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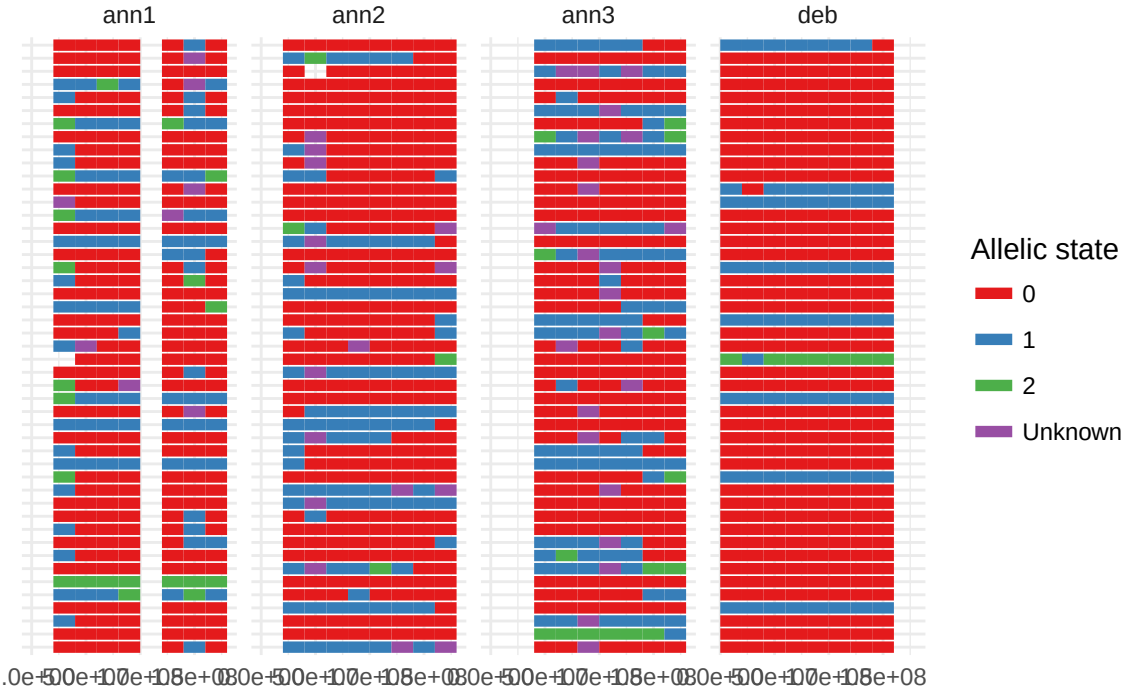

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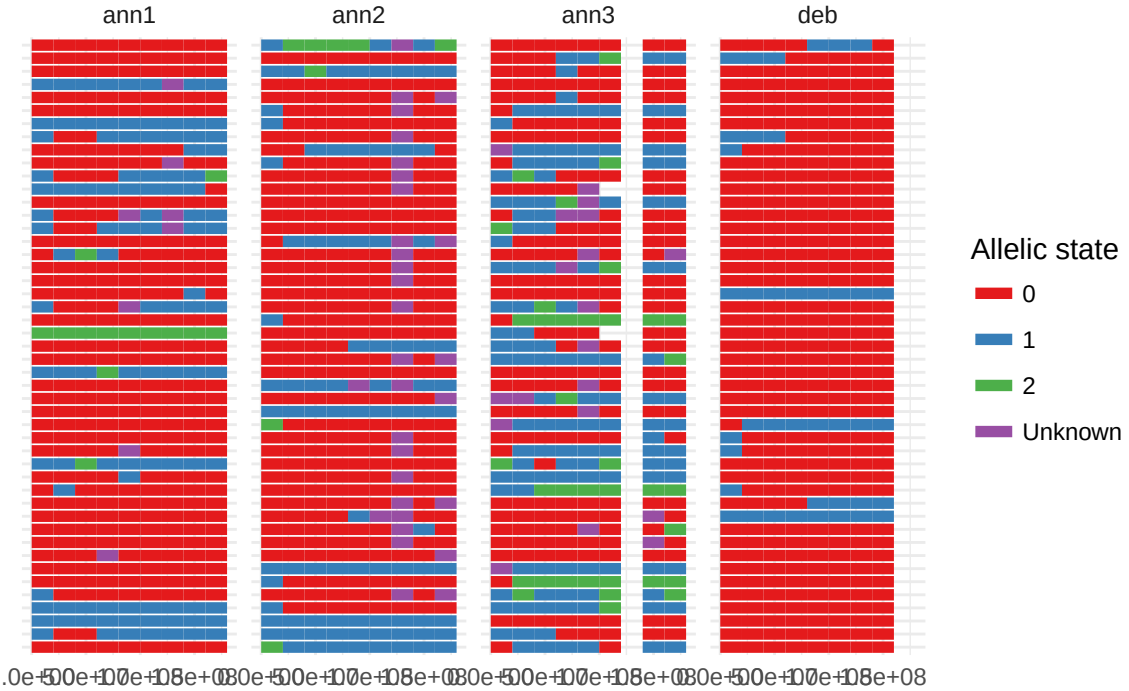

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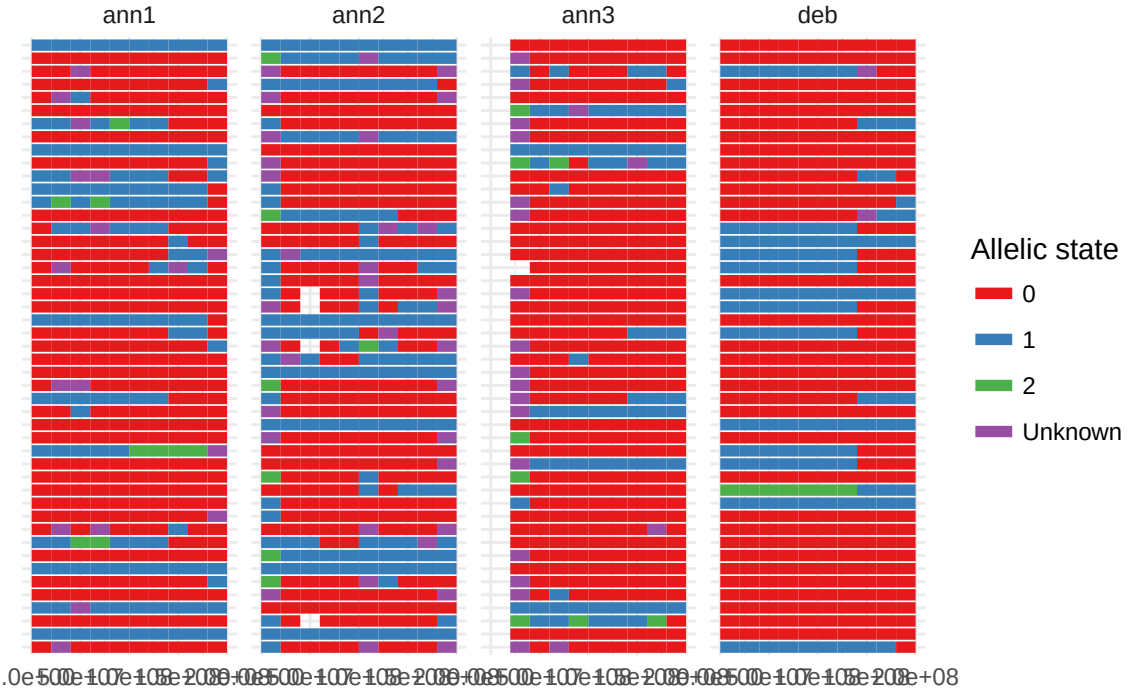

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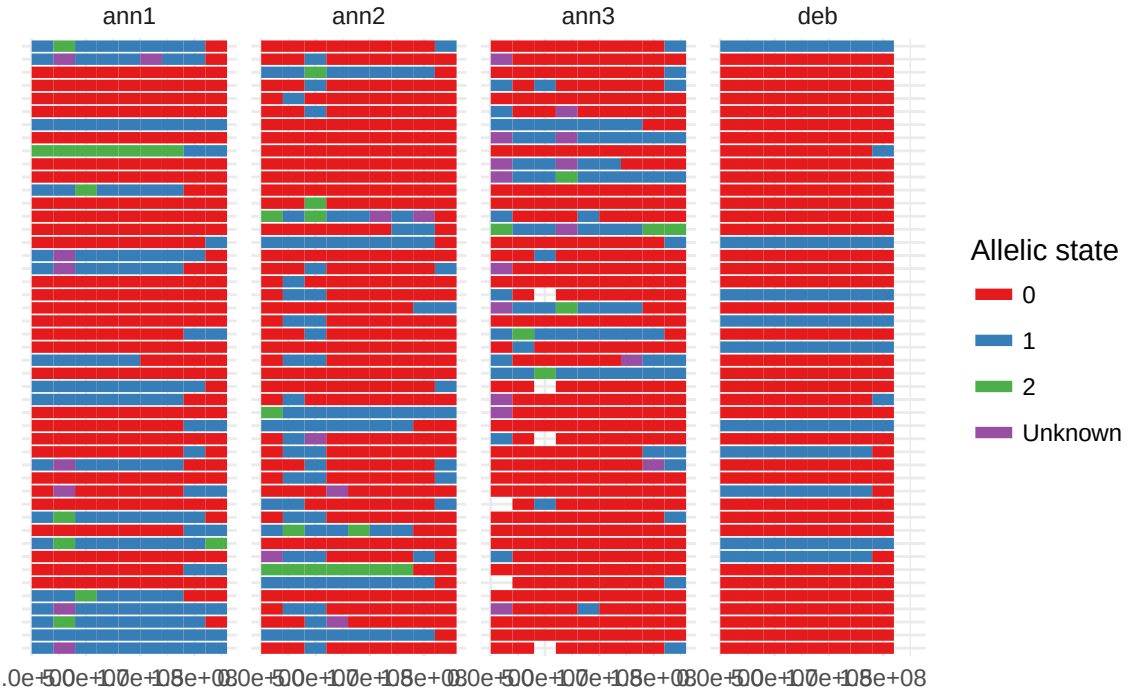
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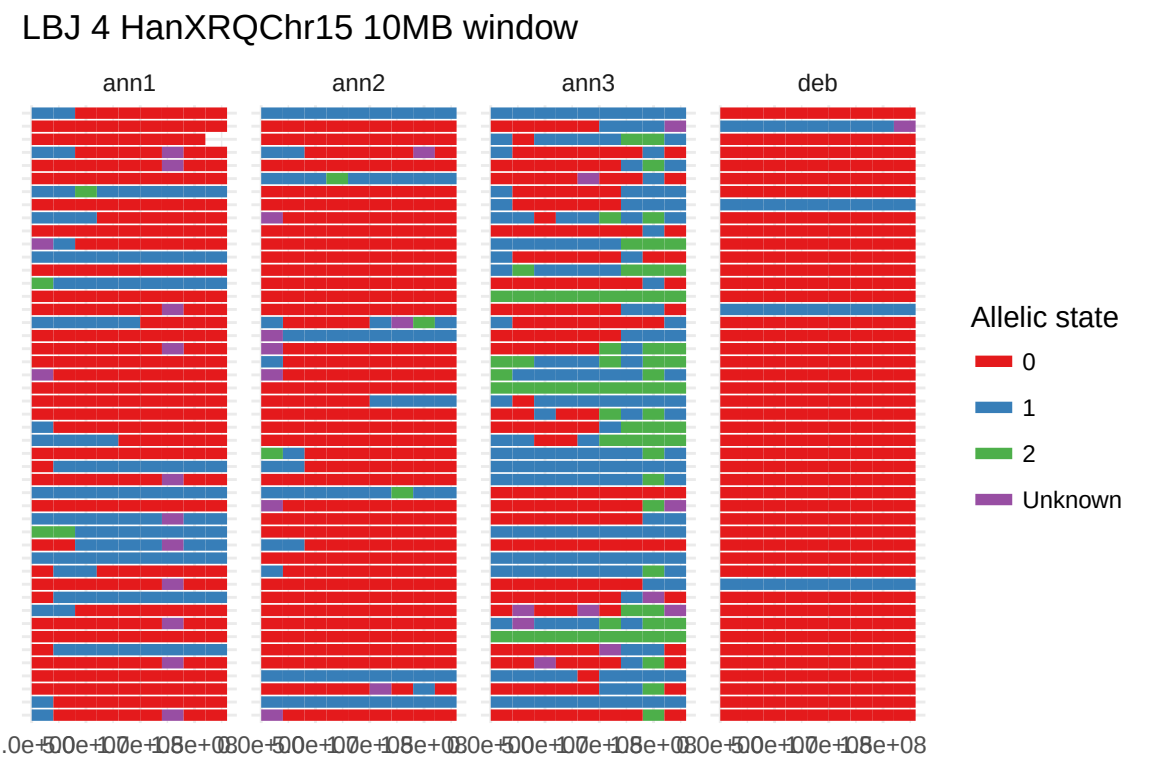
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2
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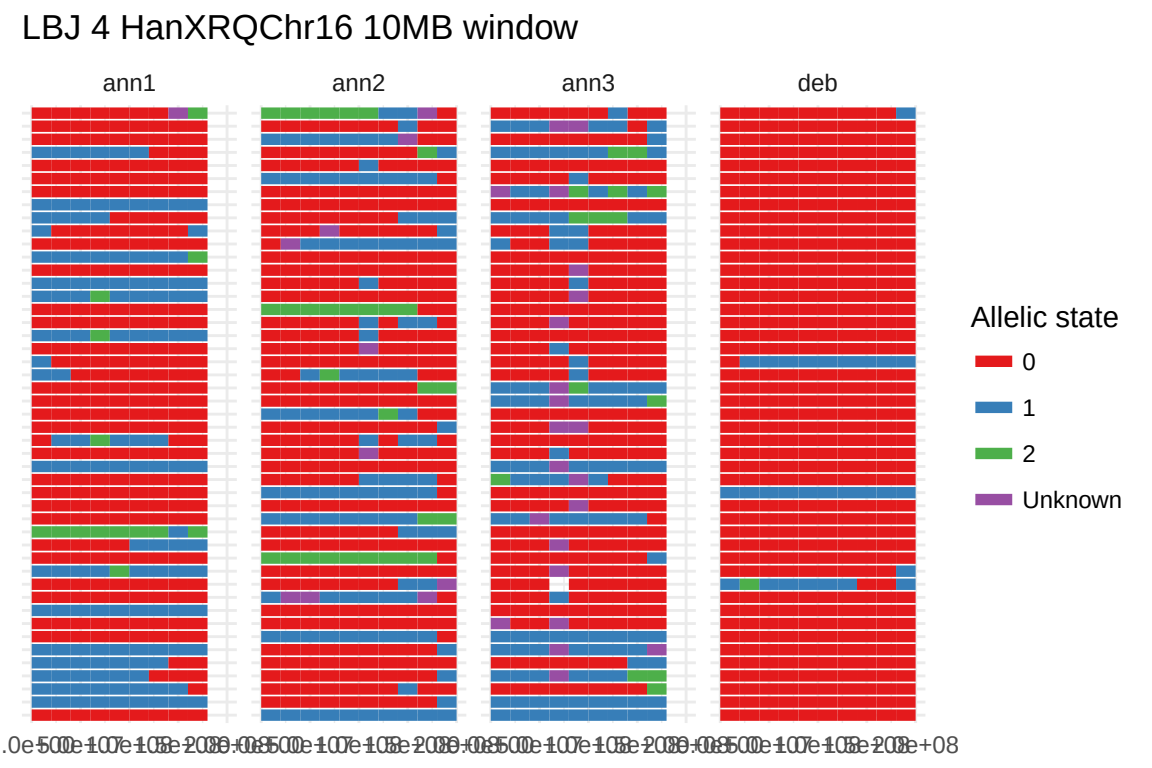
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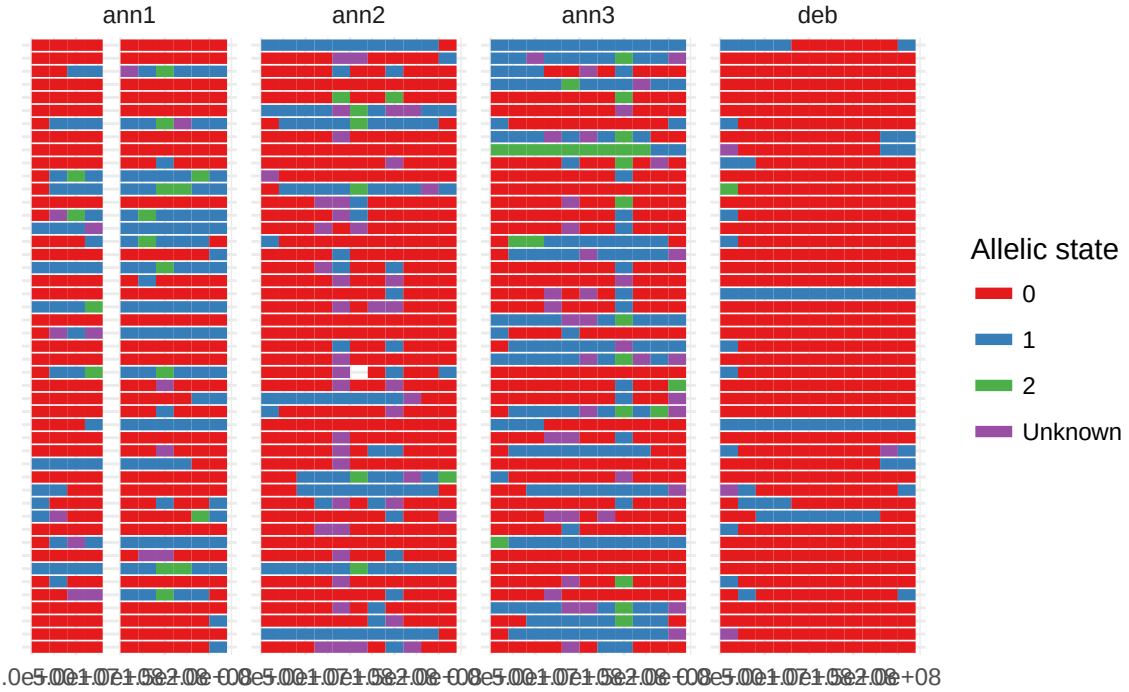

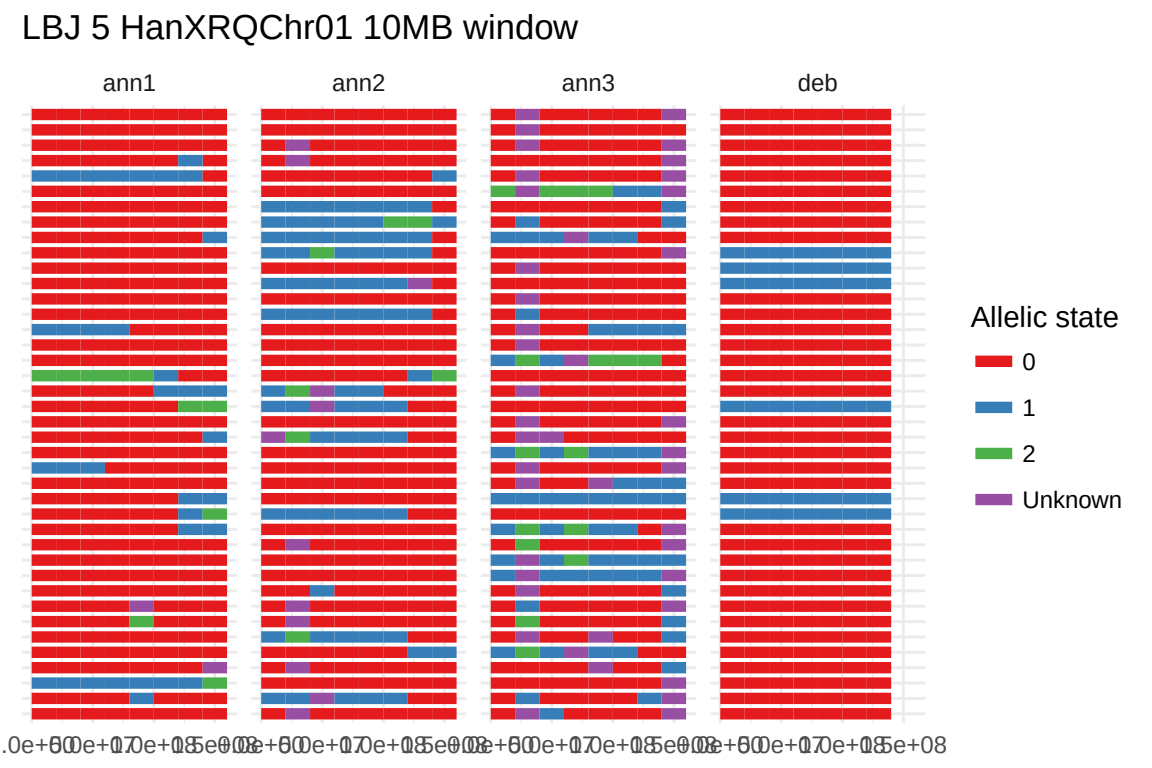
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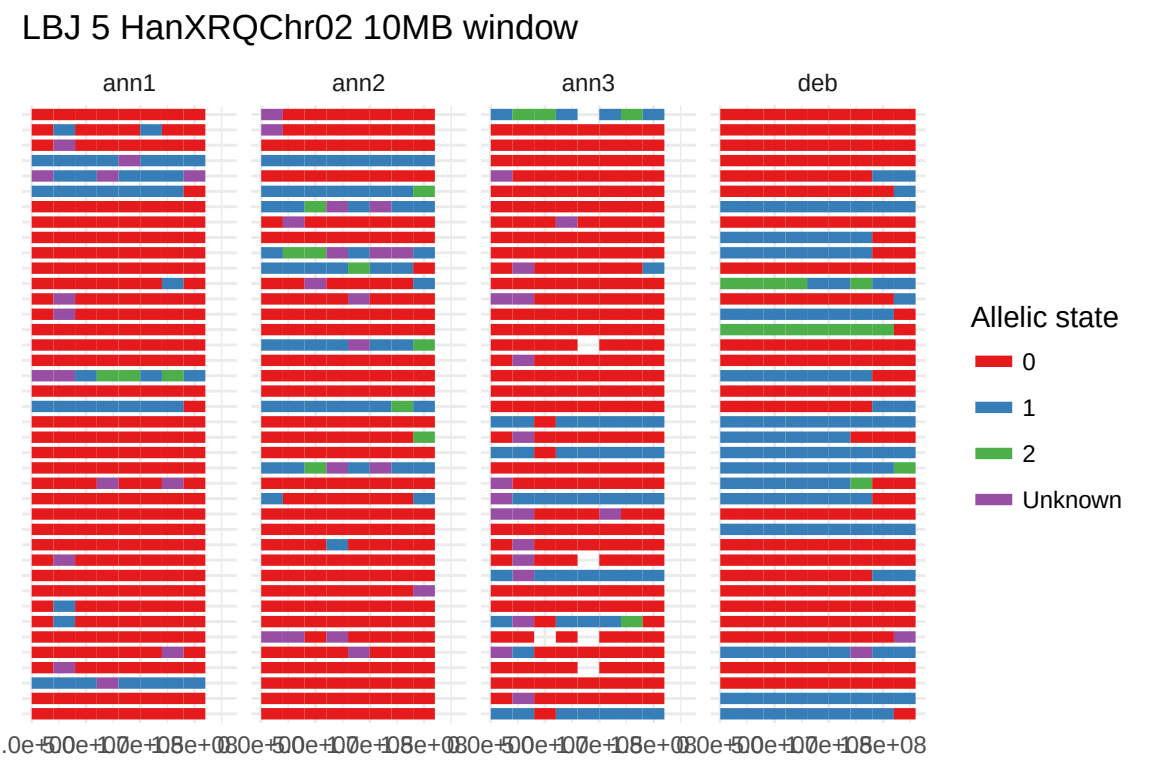
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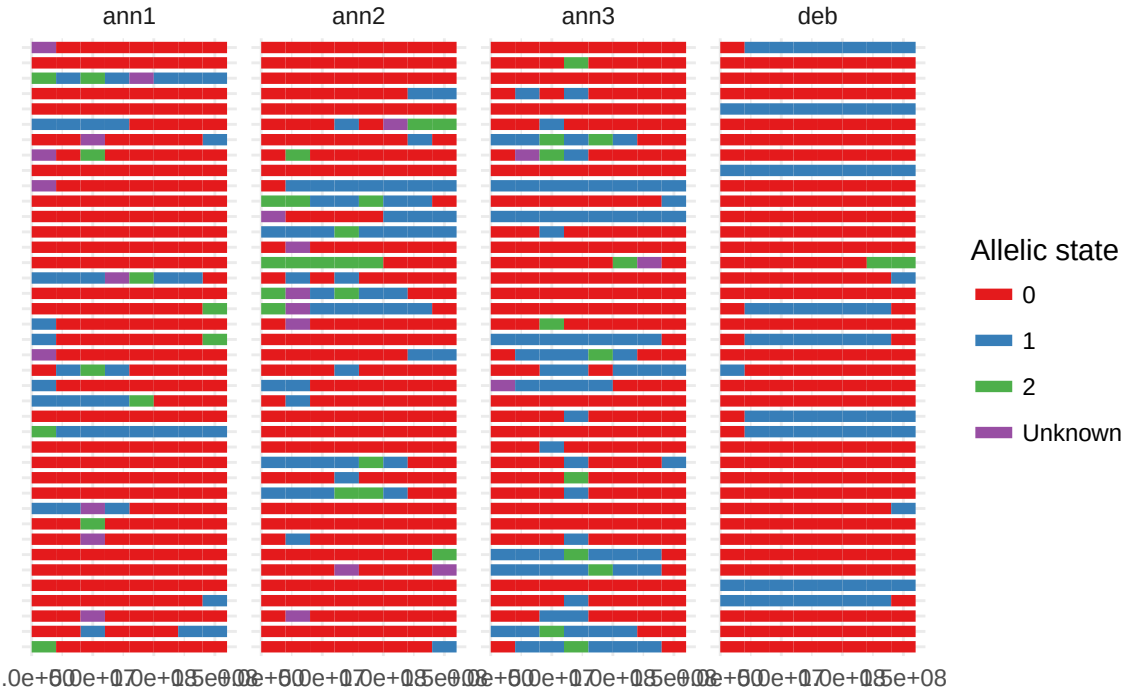
LBJ 5 HanXRQChr03 10MB window



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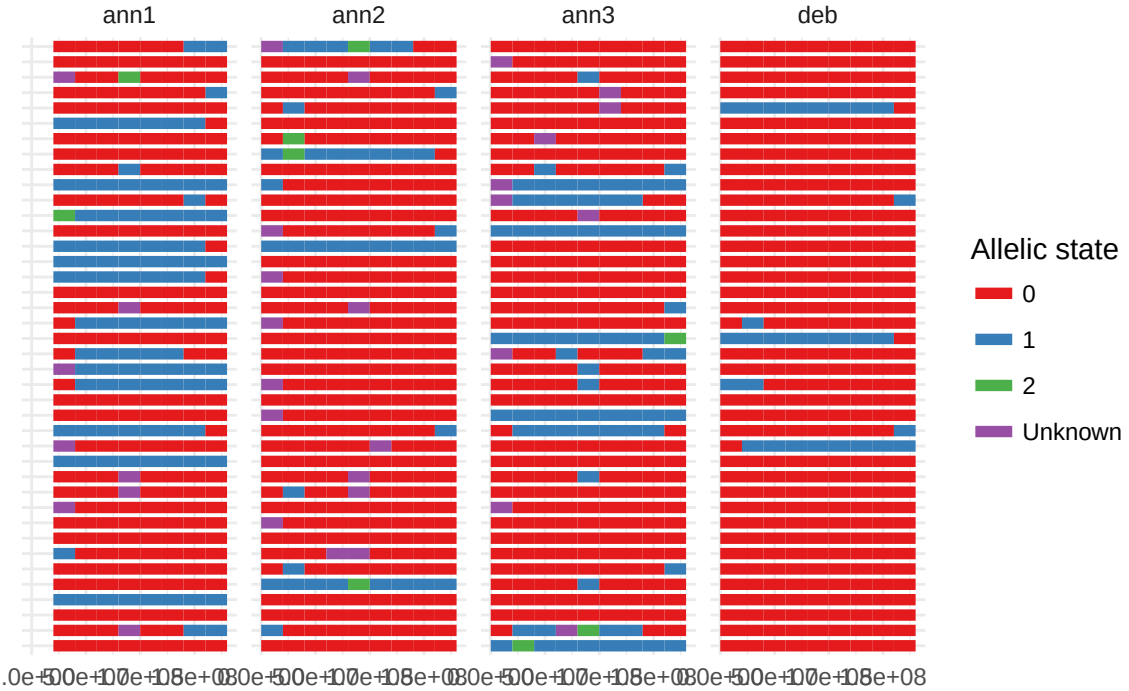

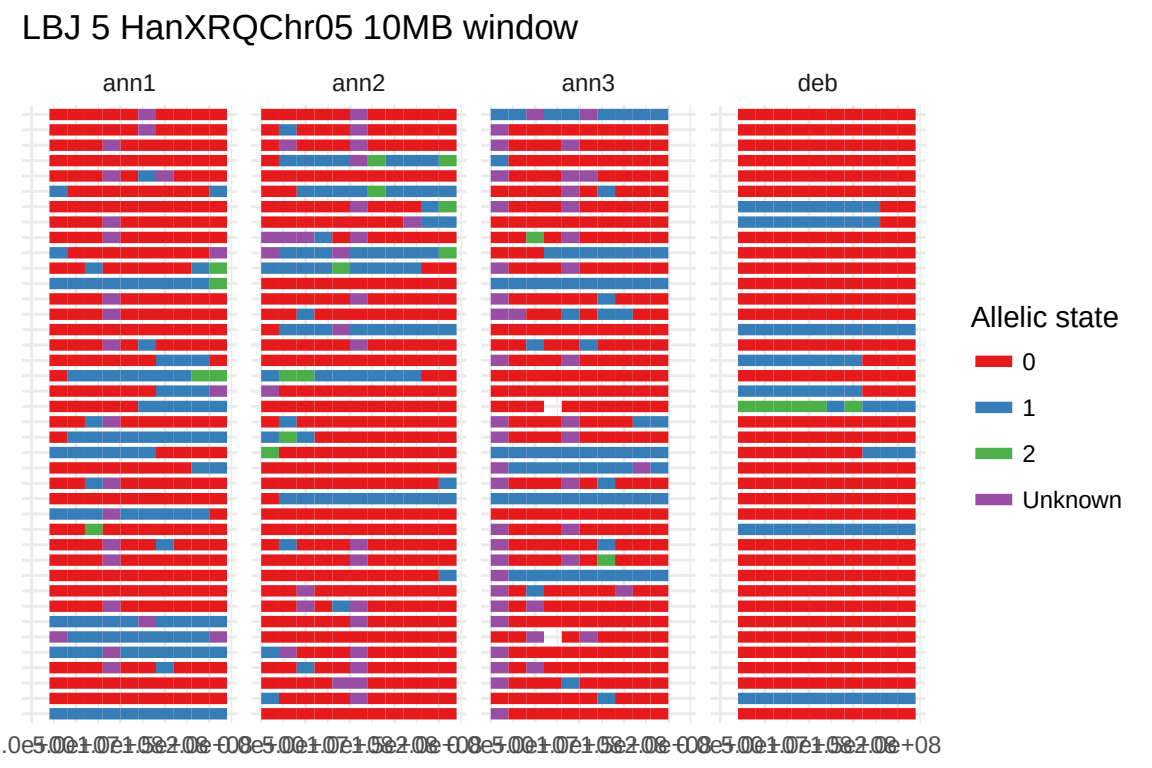
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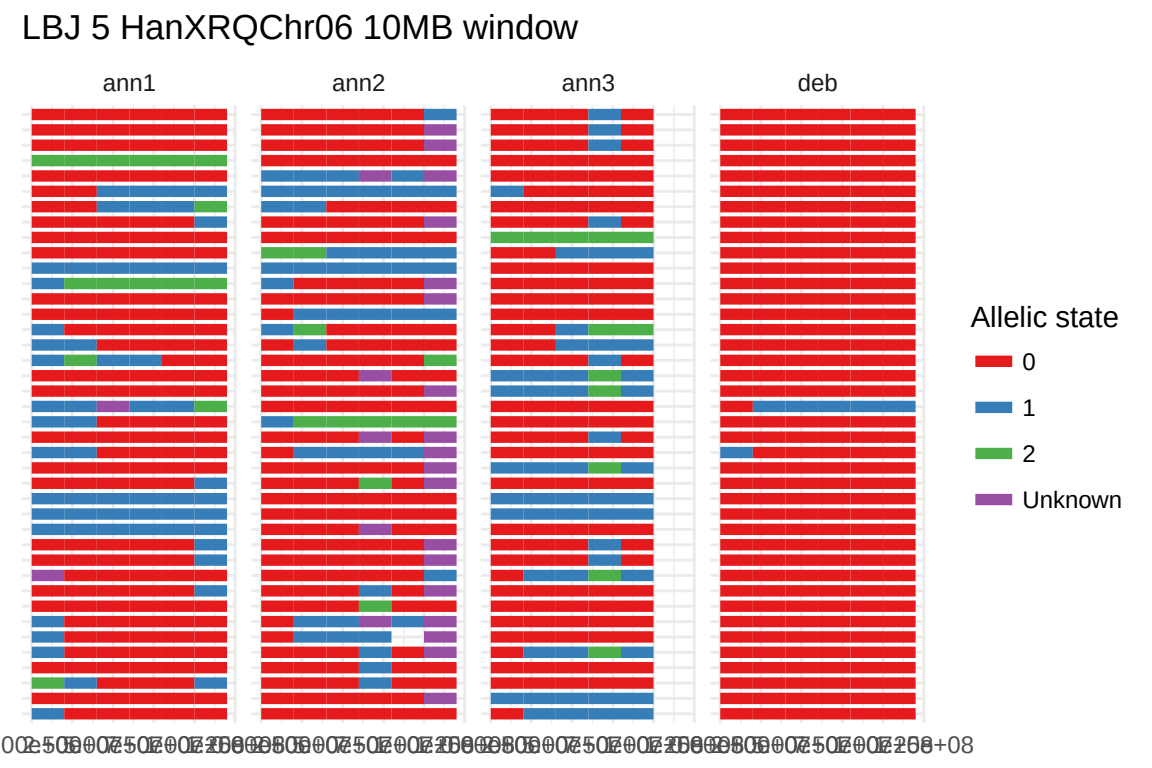
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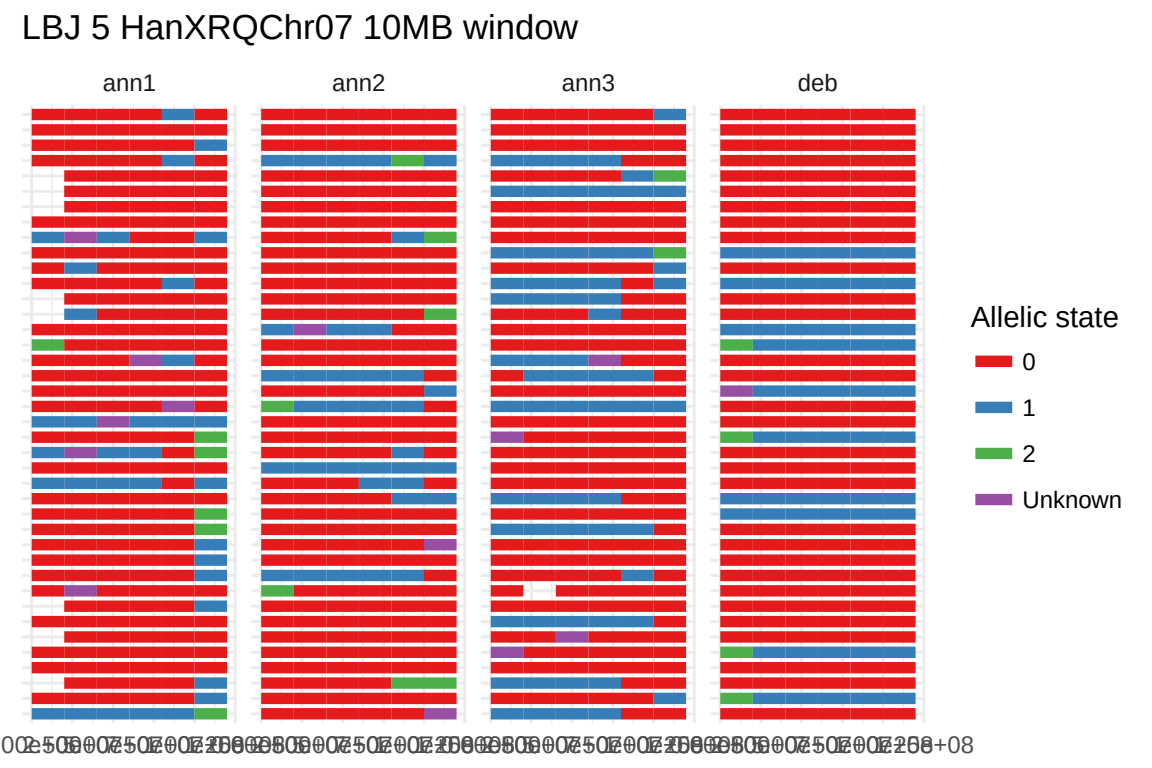
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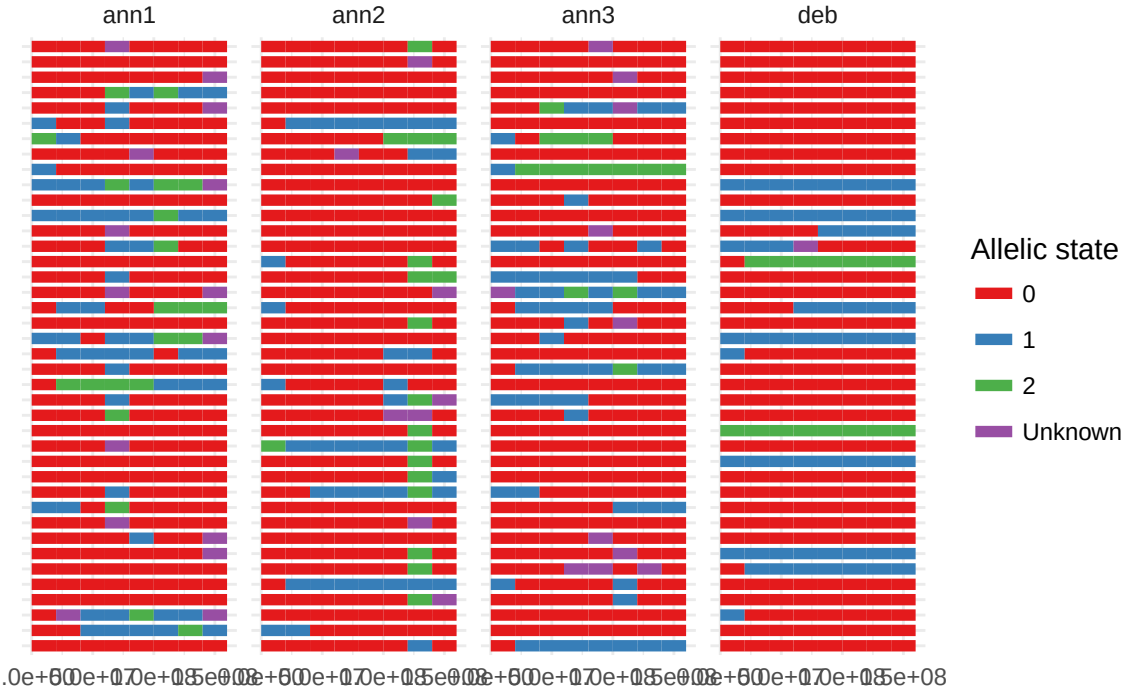
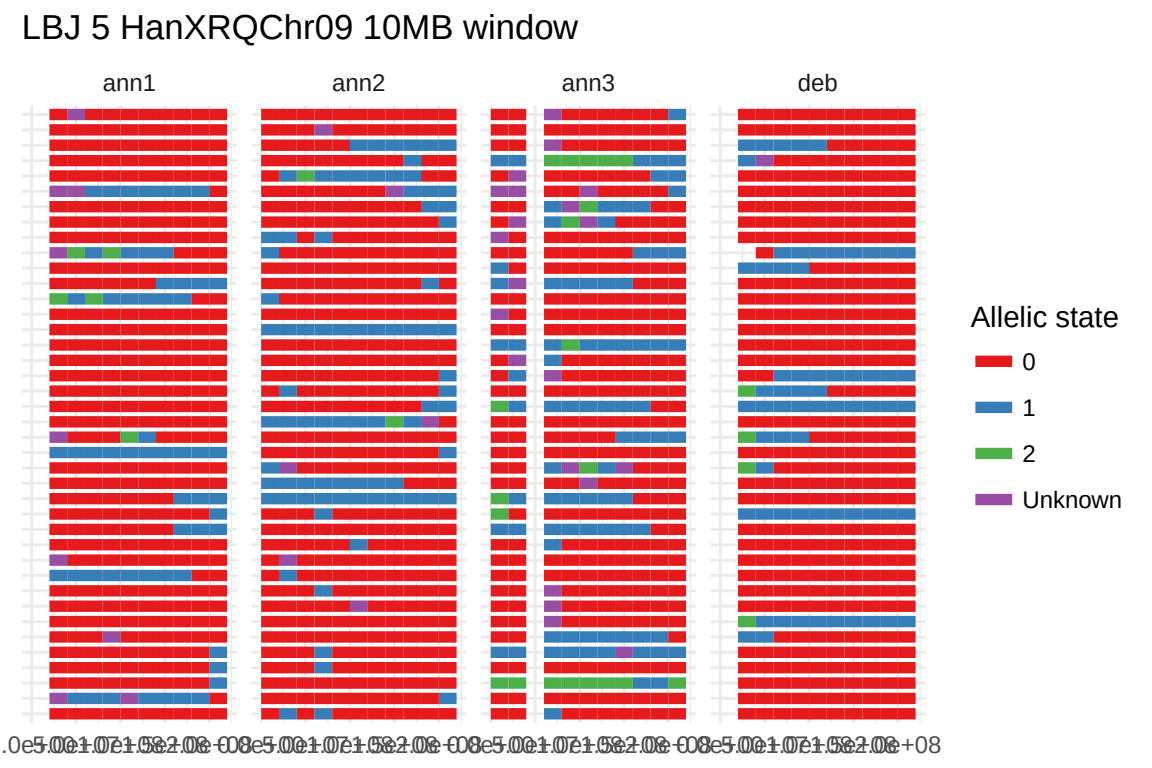
LBJ 5 HanXRQChr08 10MB window

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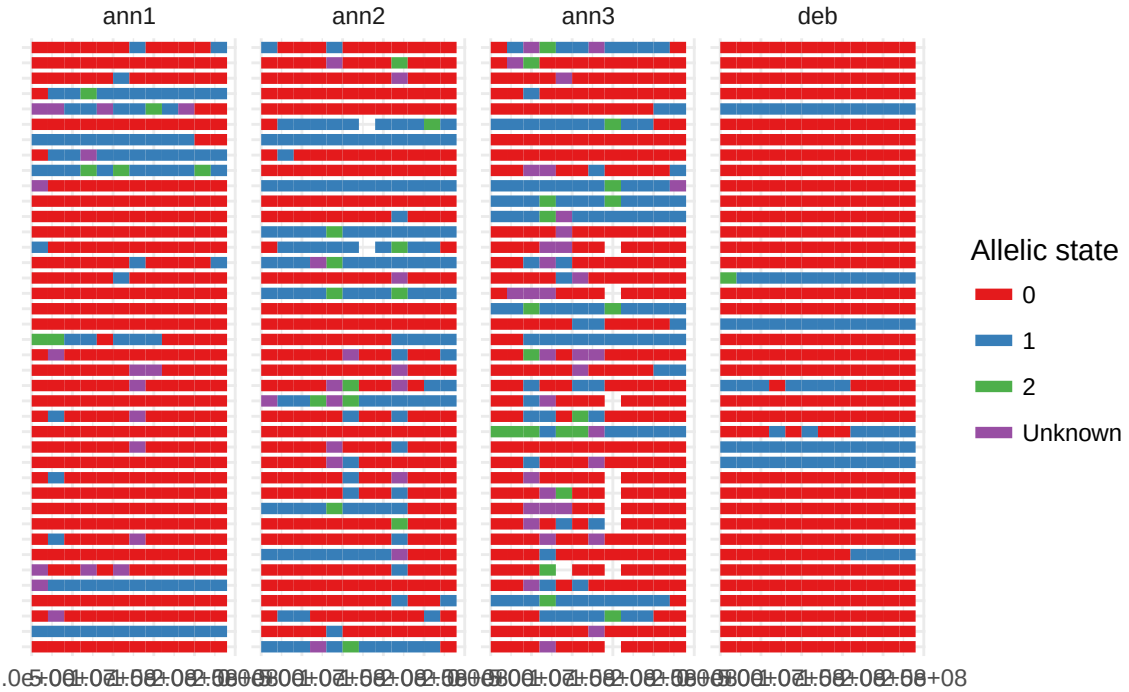
LBJ 5 HanXRQChr10 10MB window



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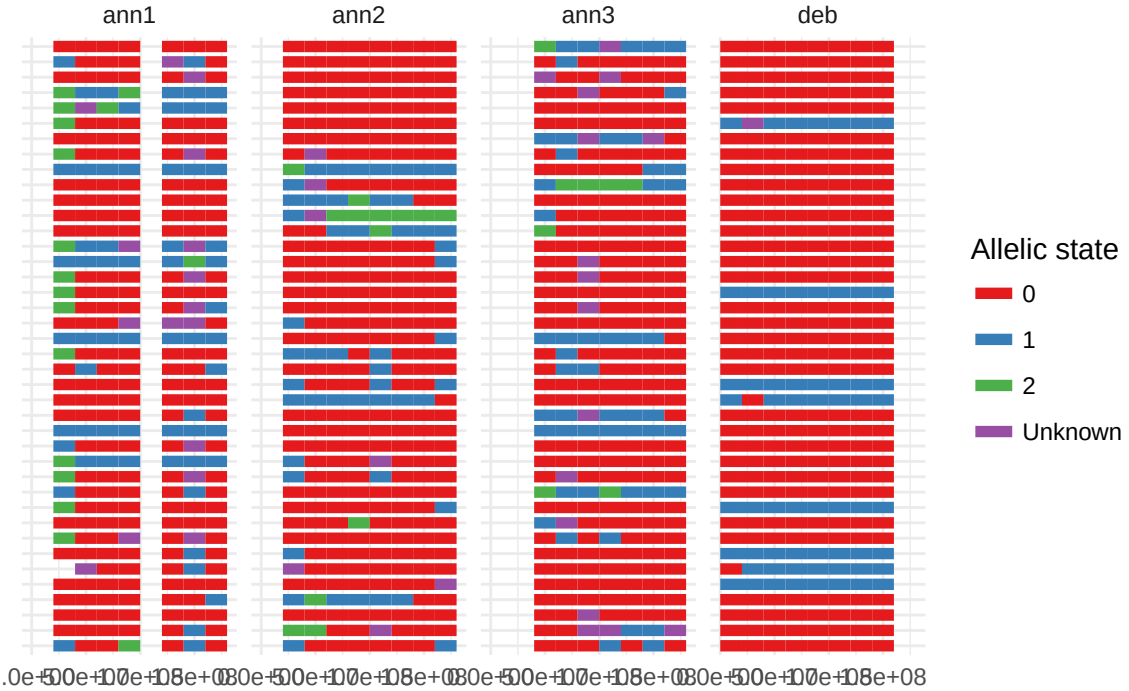

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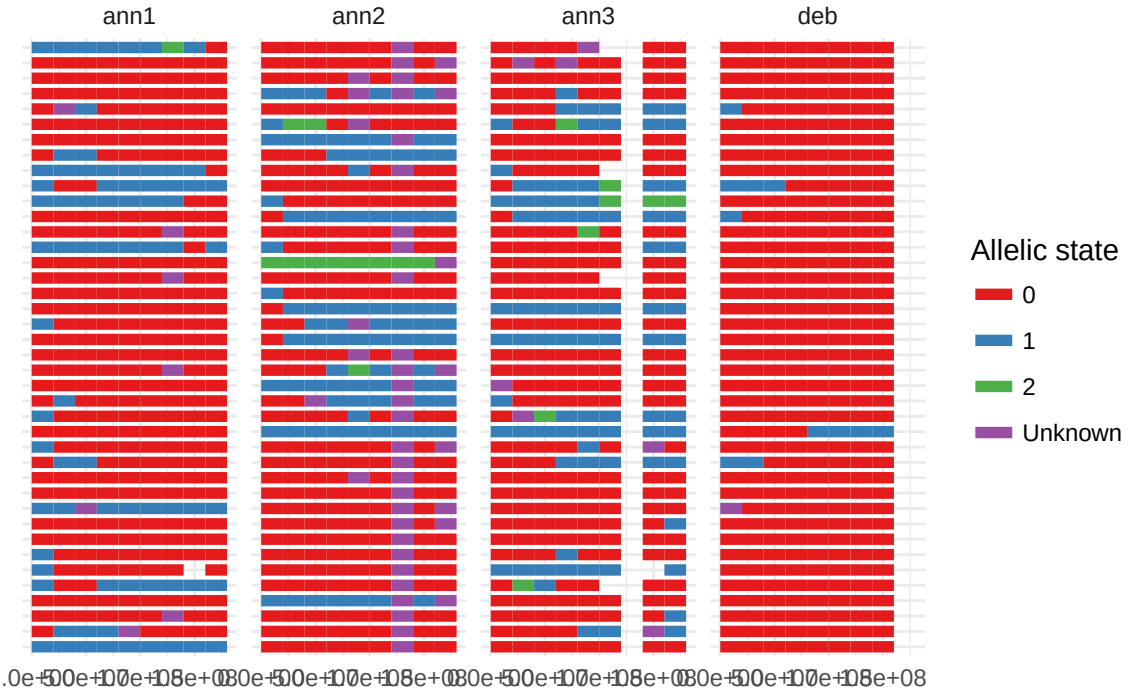

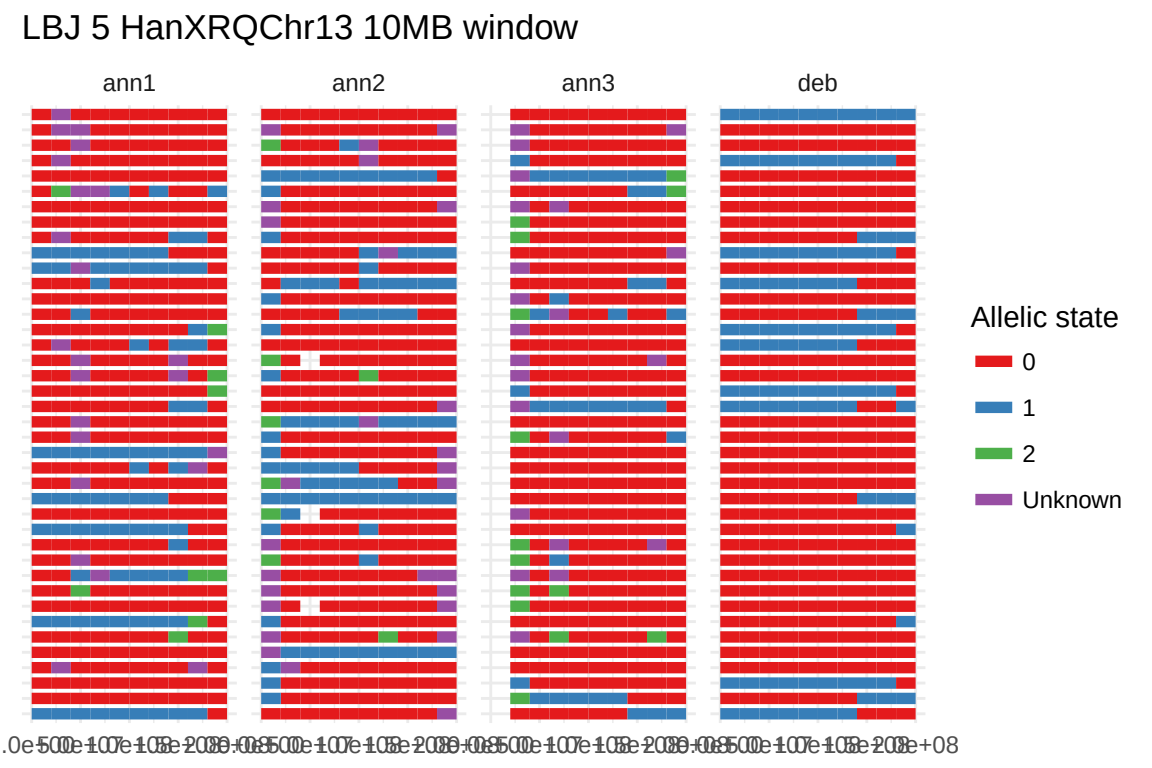
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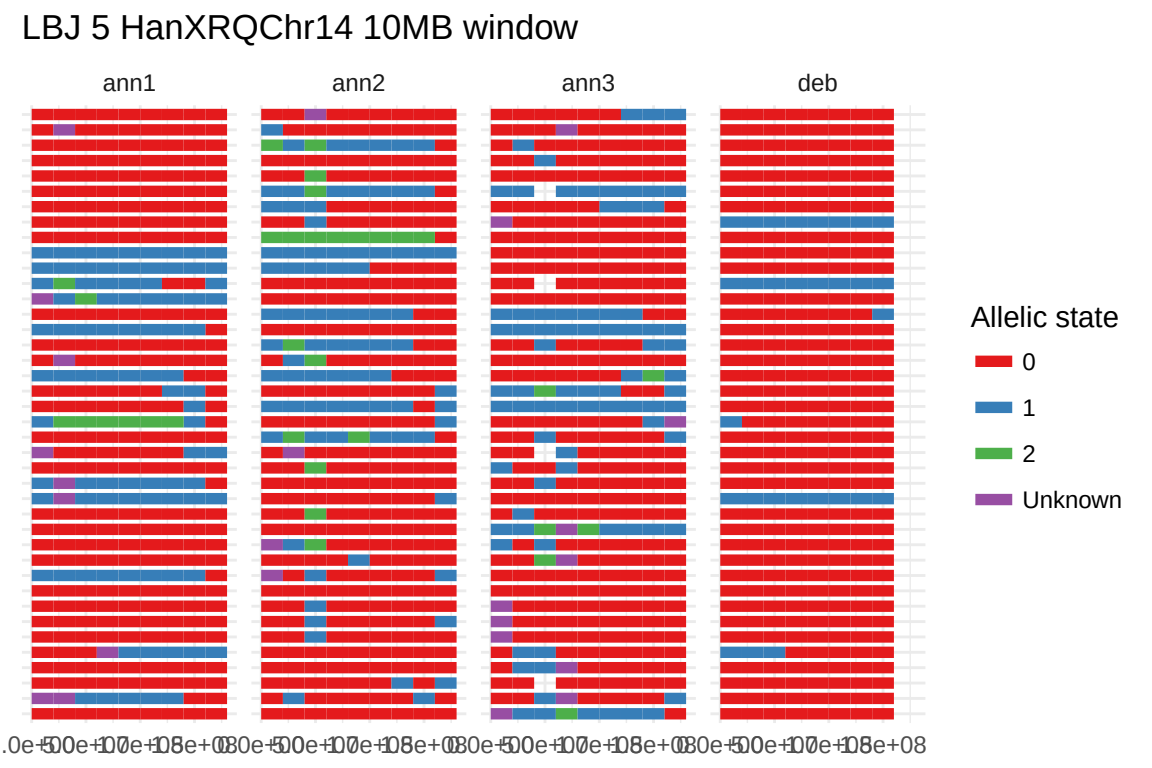
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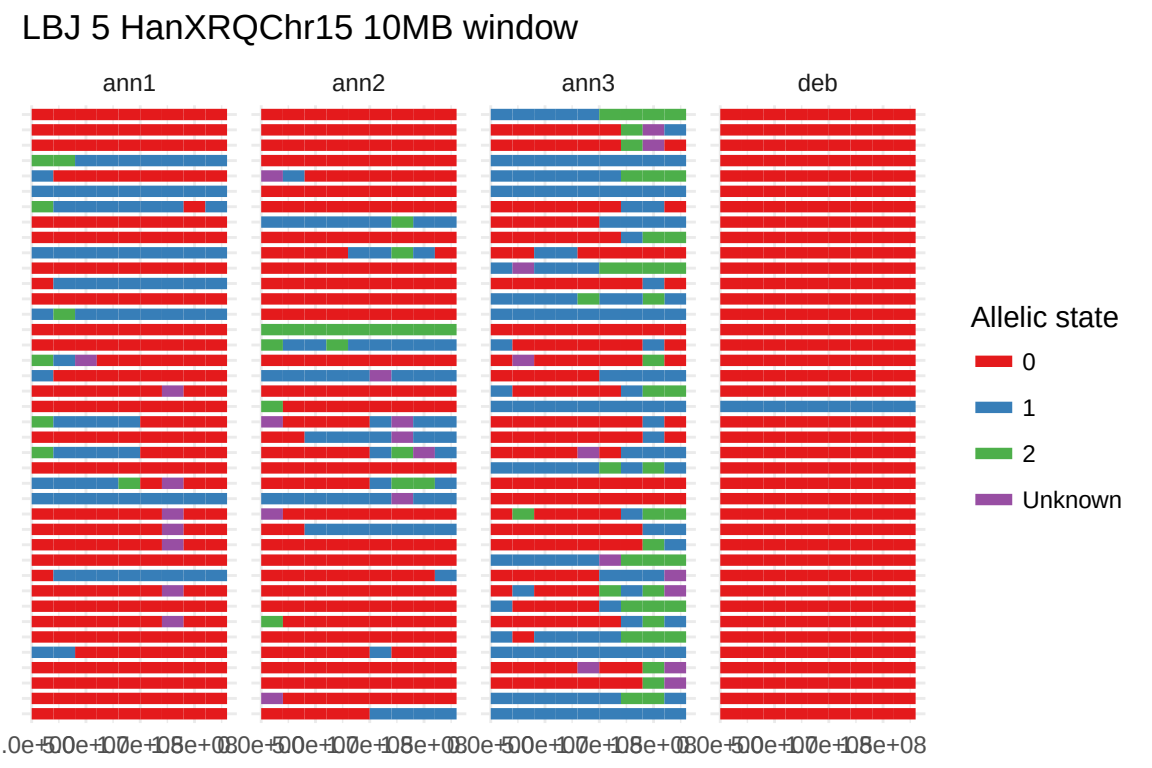
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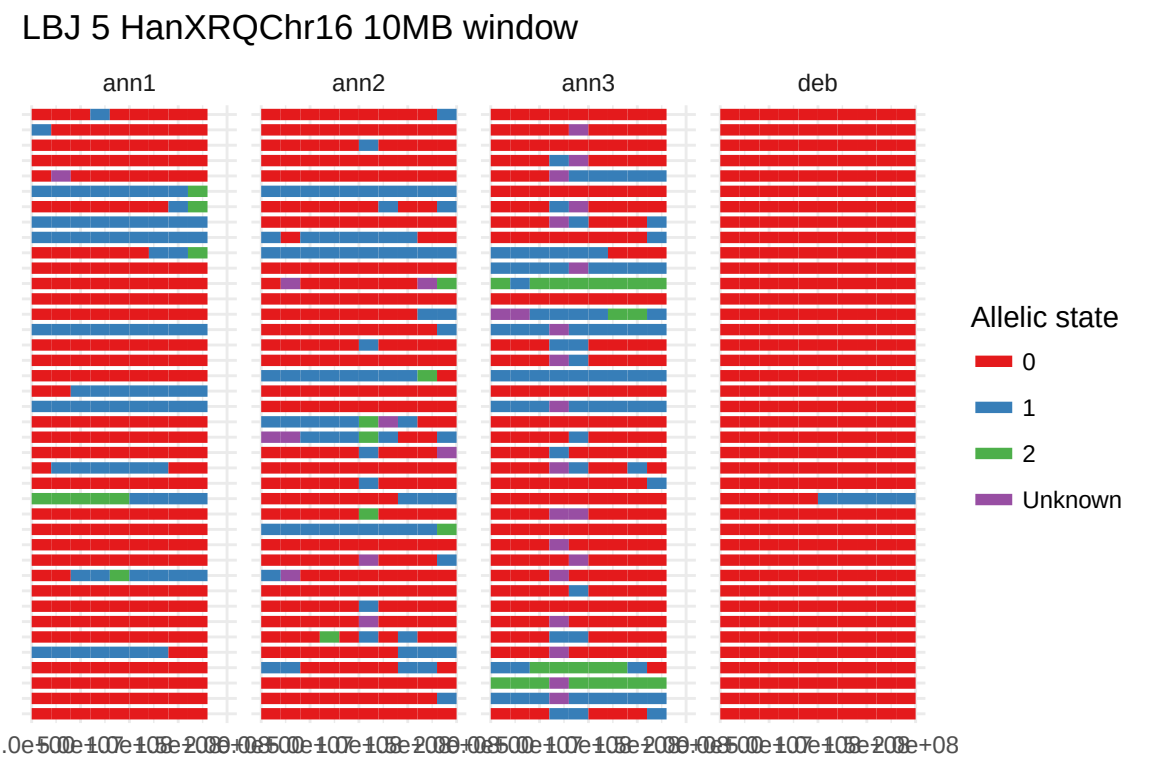
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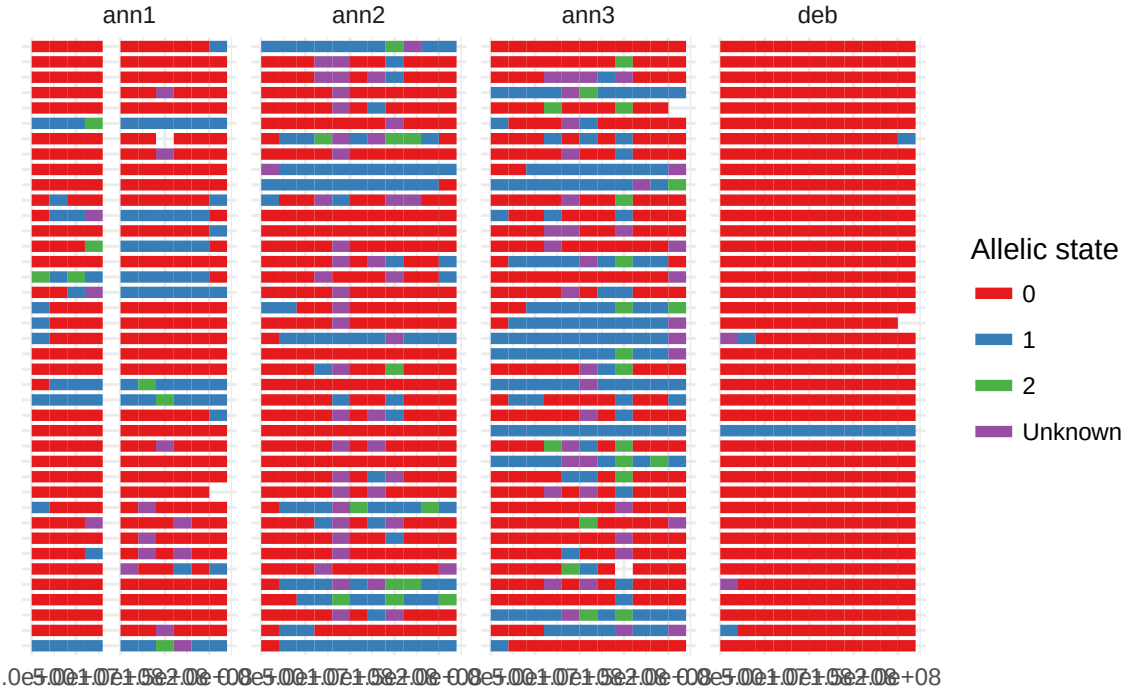
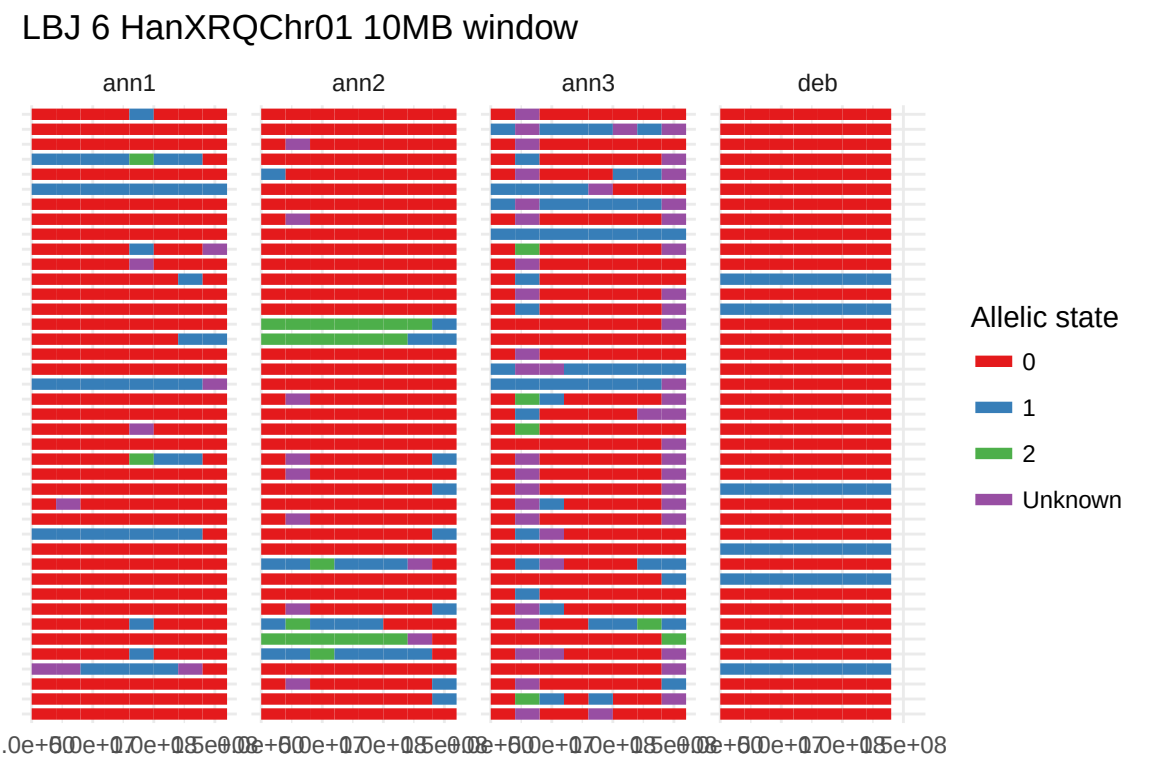
LBJ 5 HanXRQChr17 10MB window

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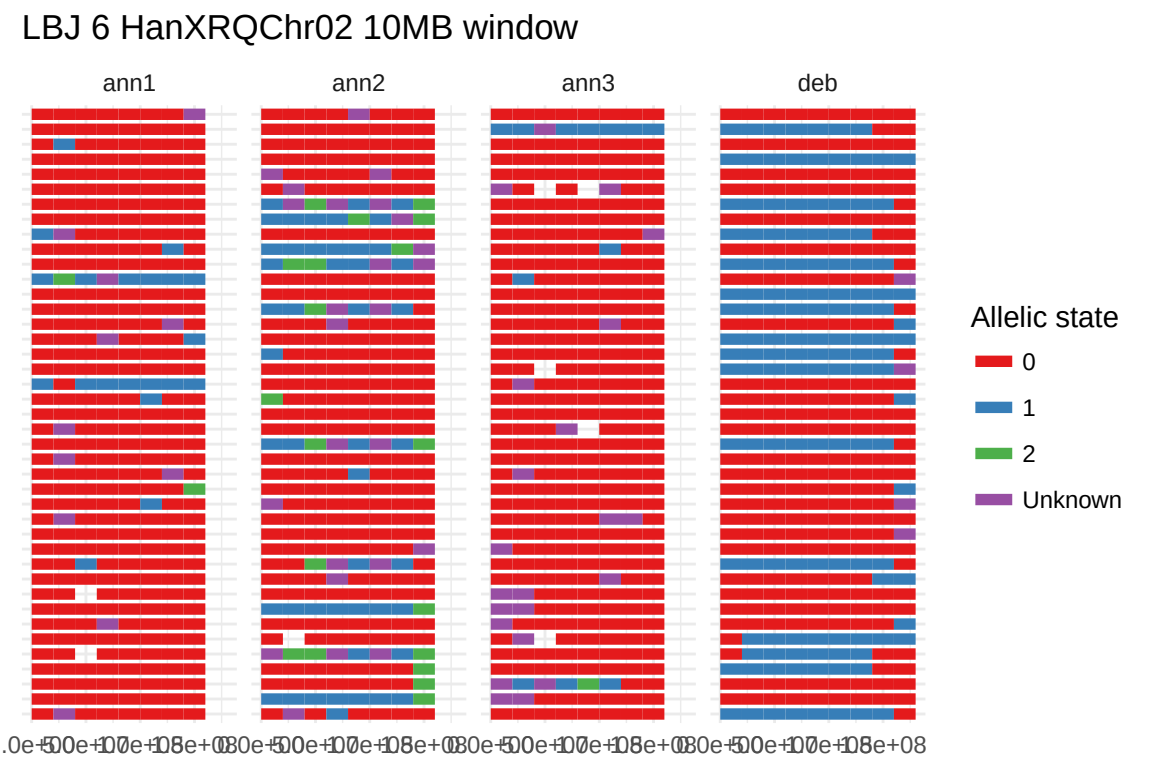
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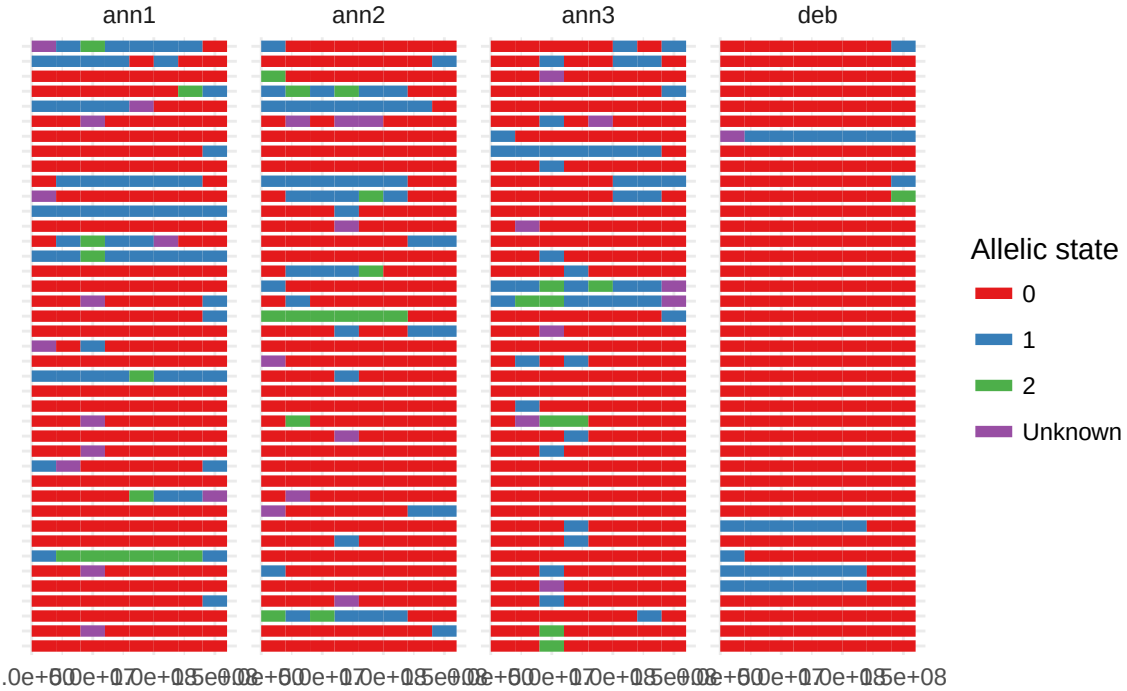

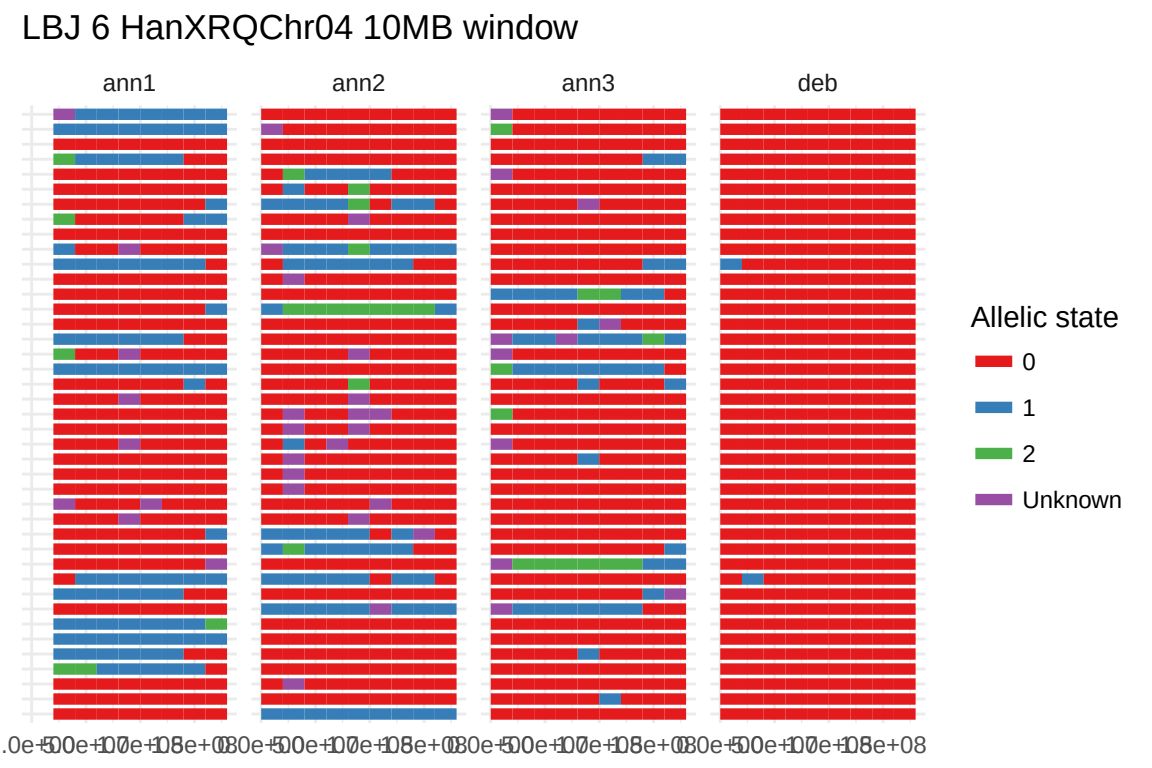
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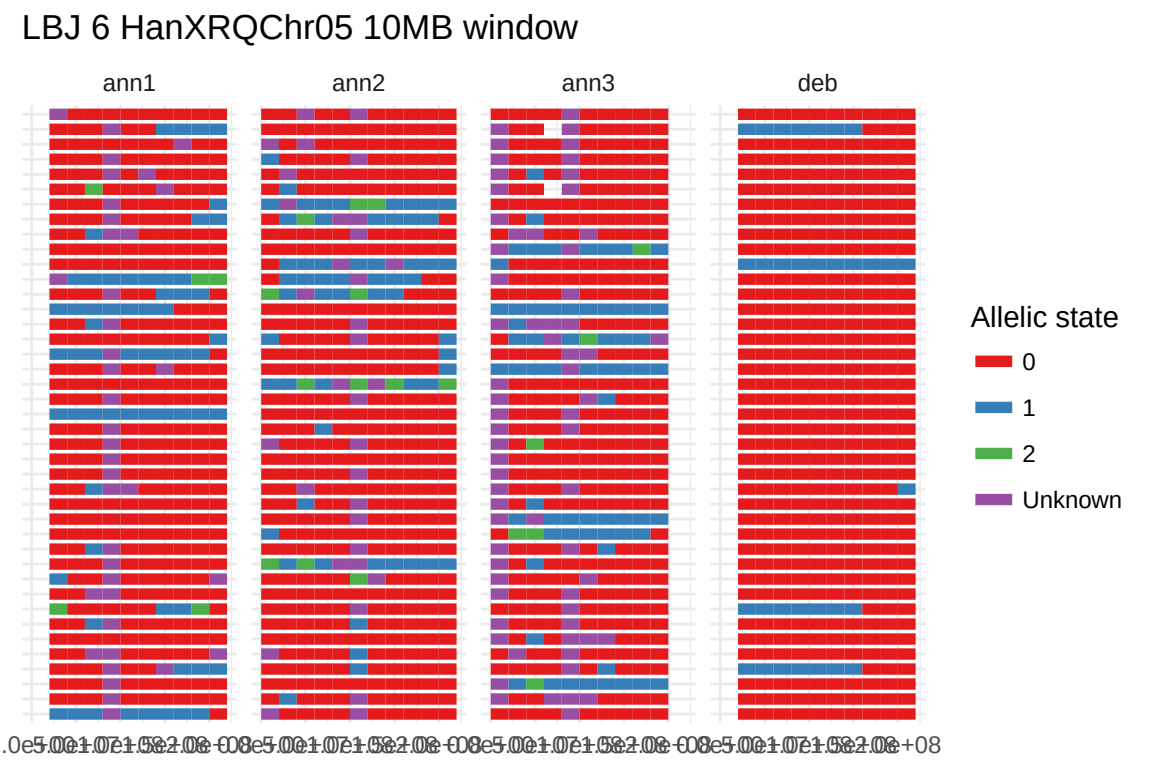
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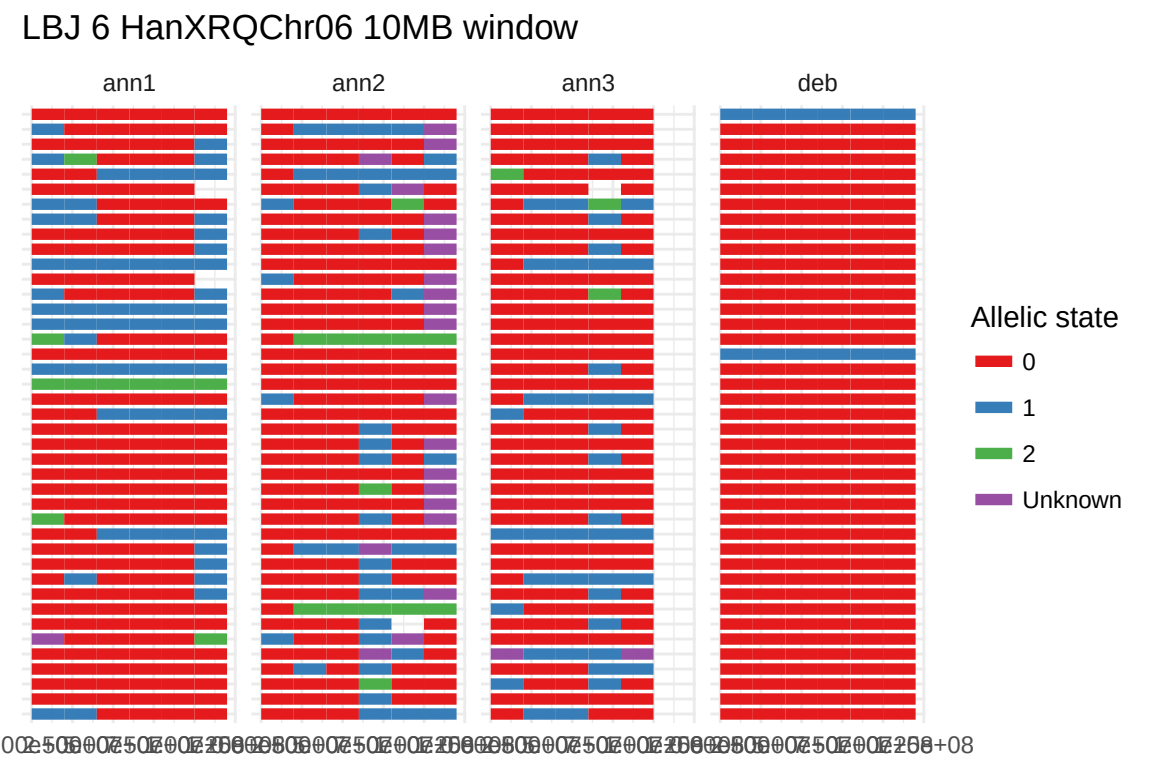
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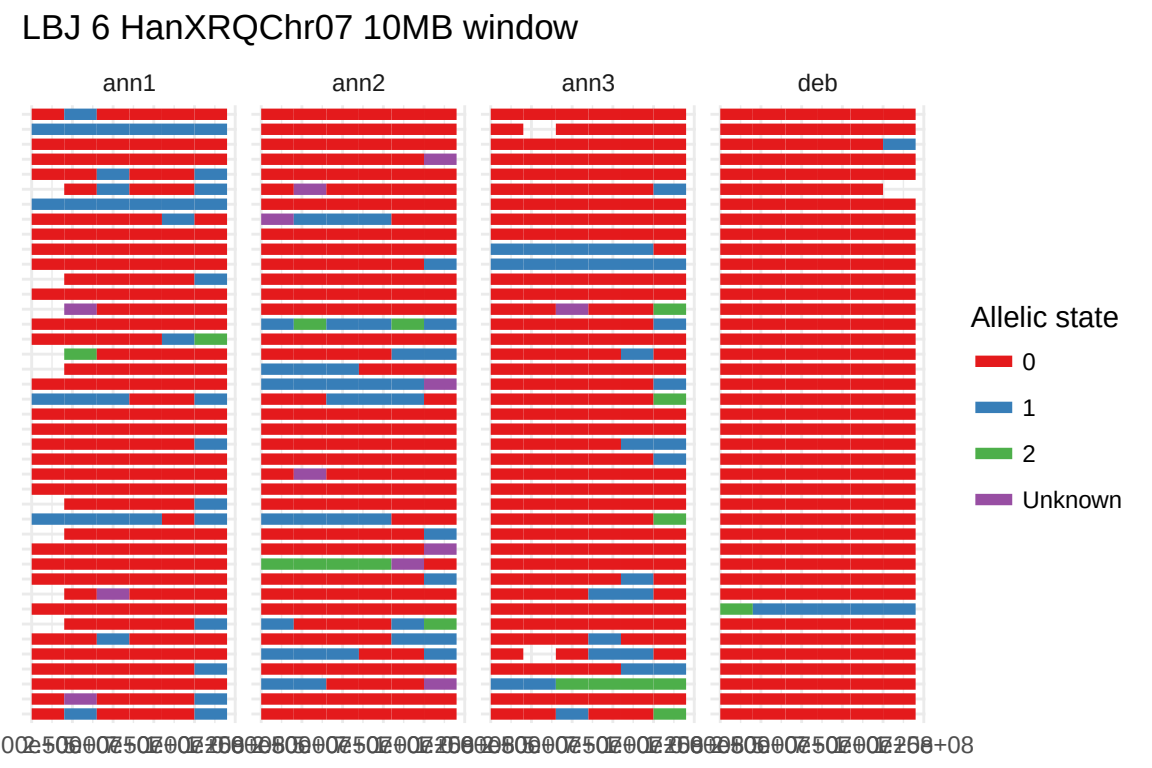
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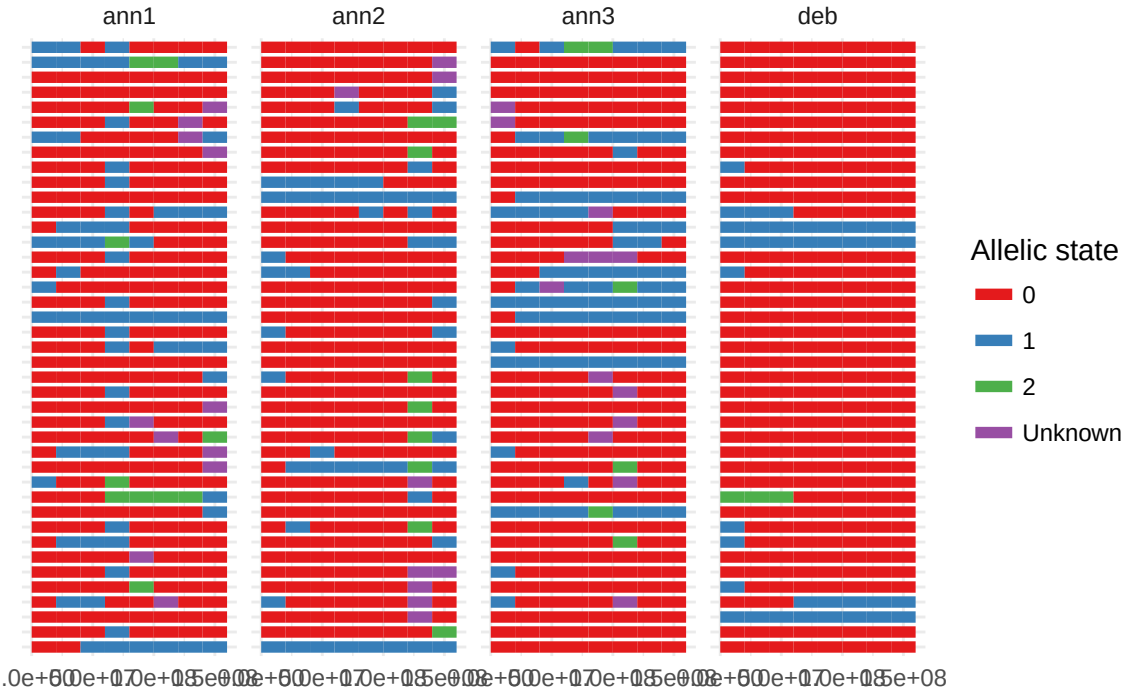

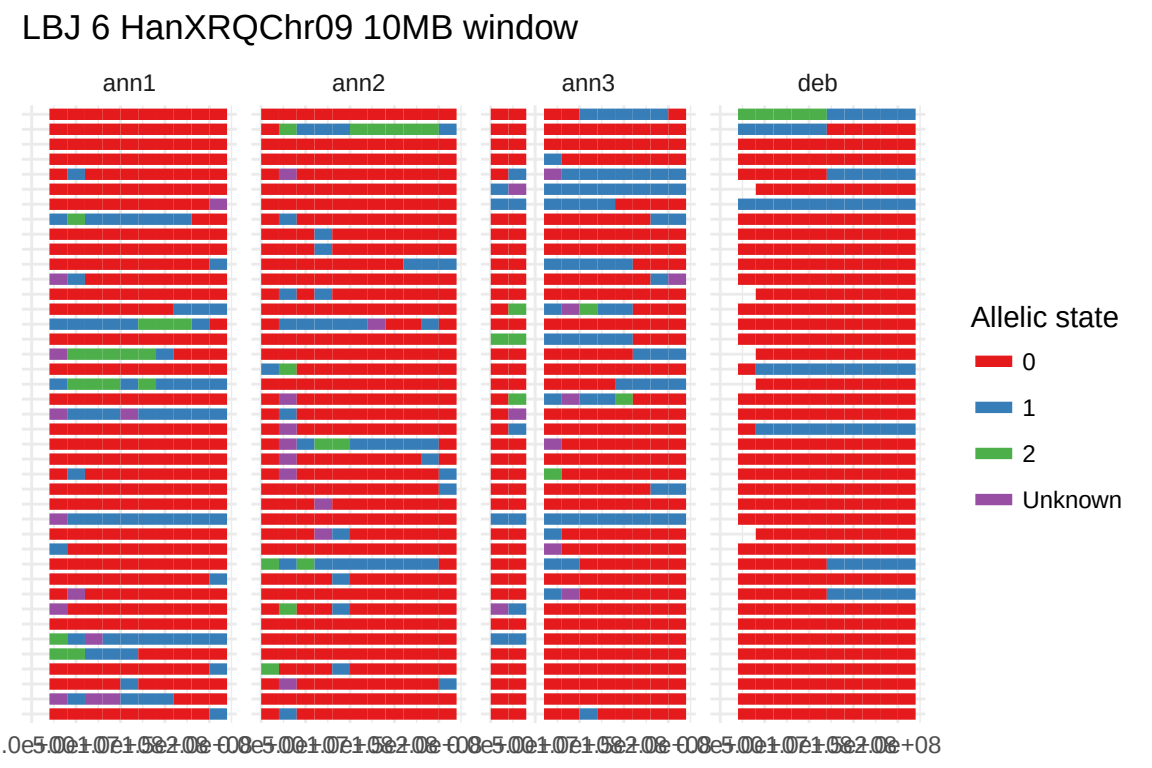
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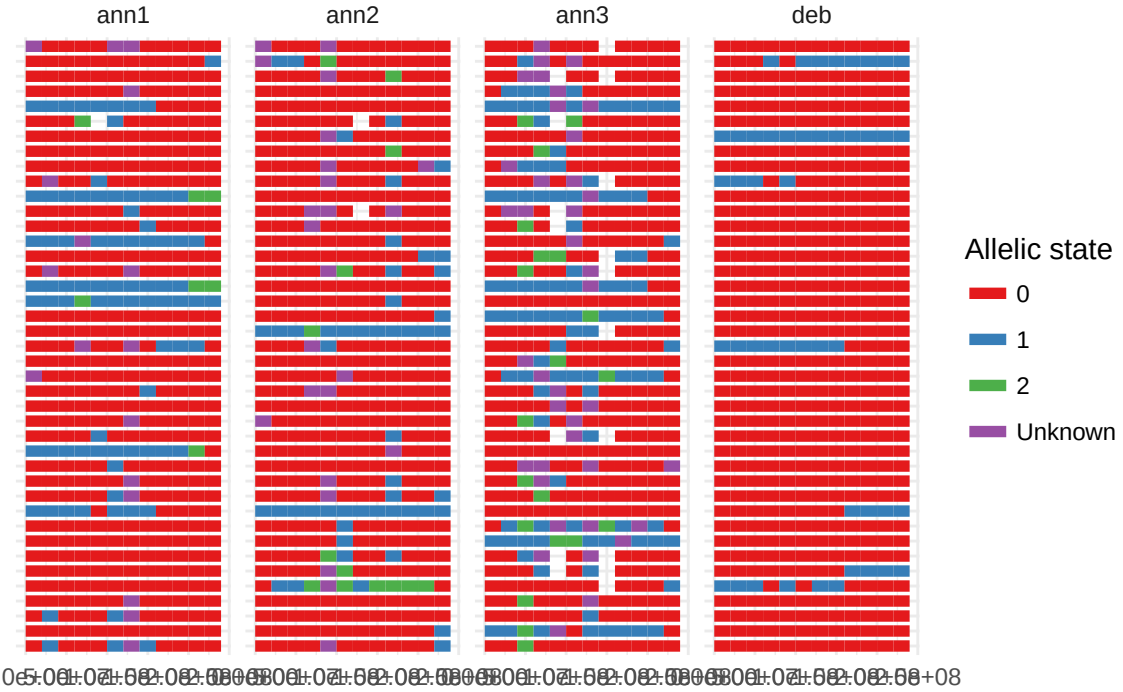

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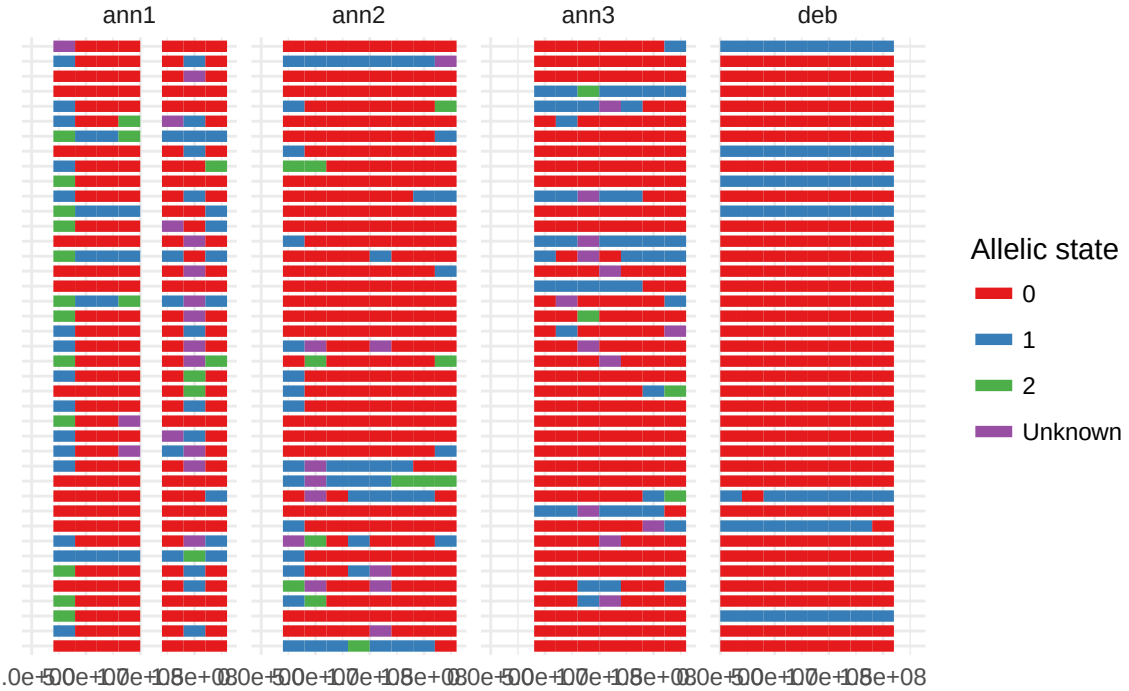

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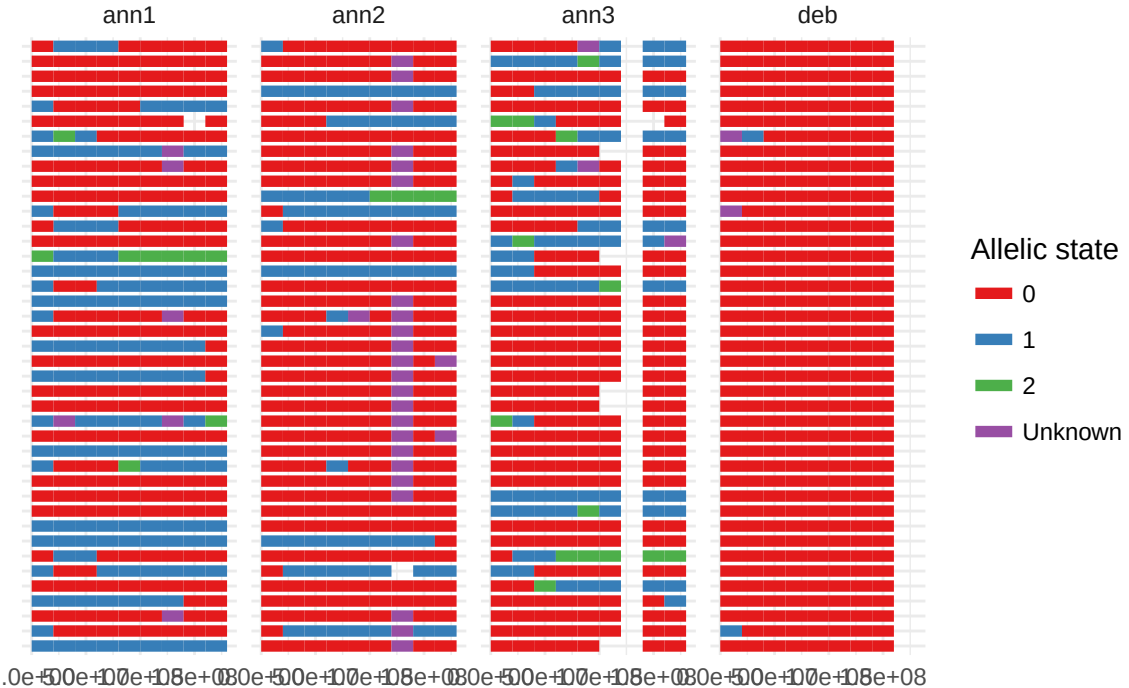

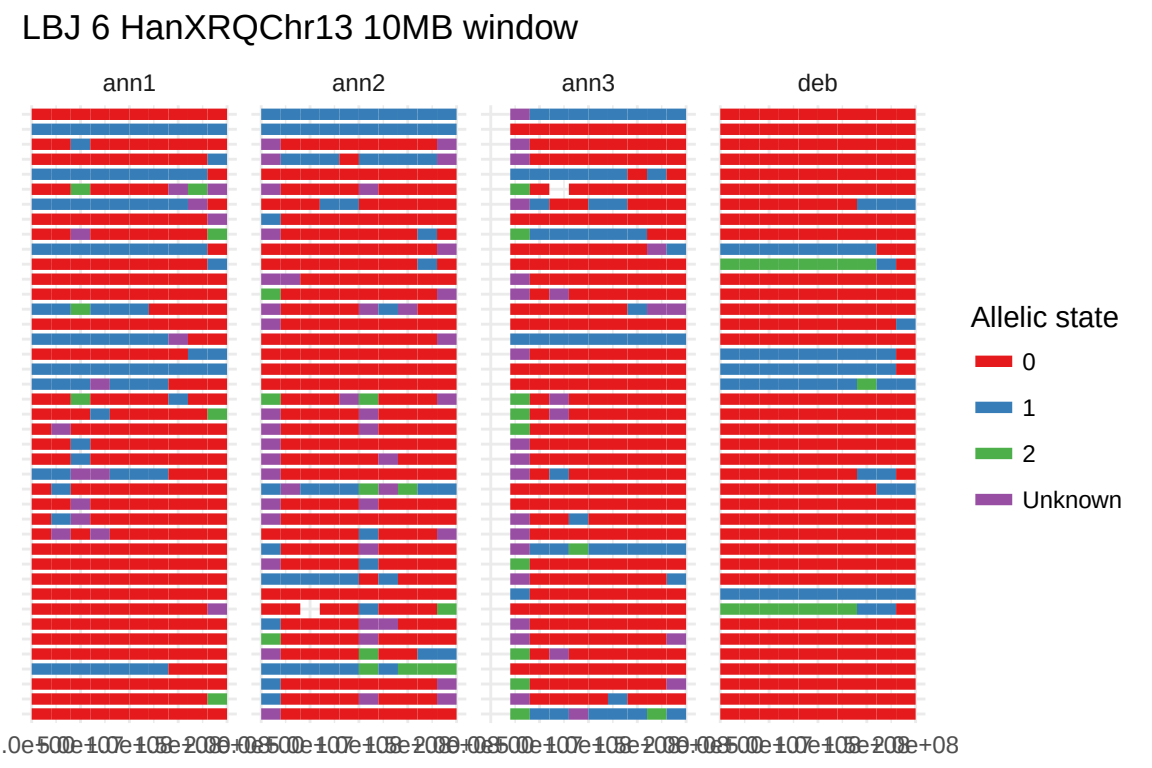
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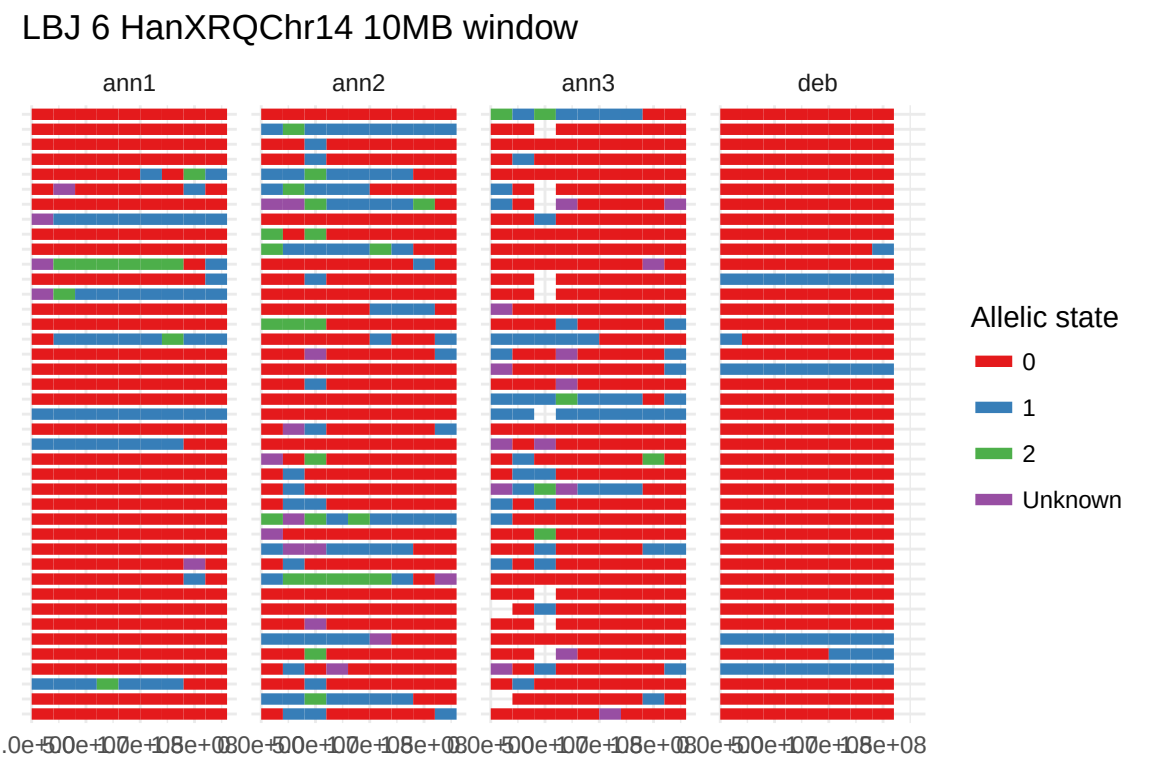
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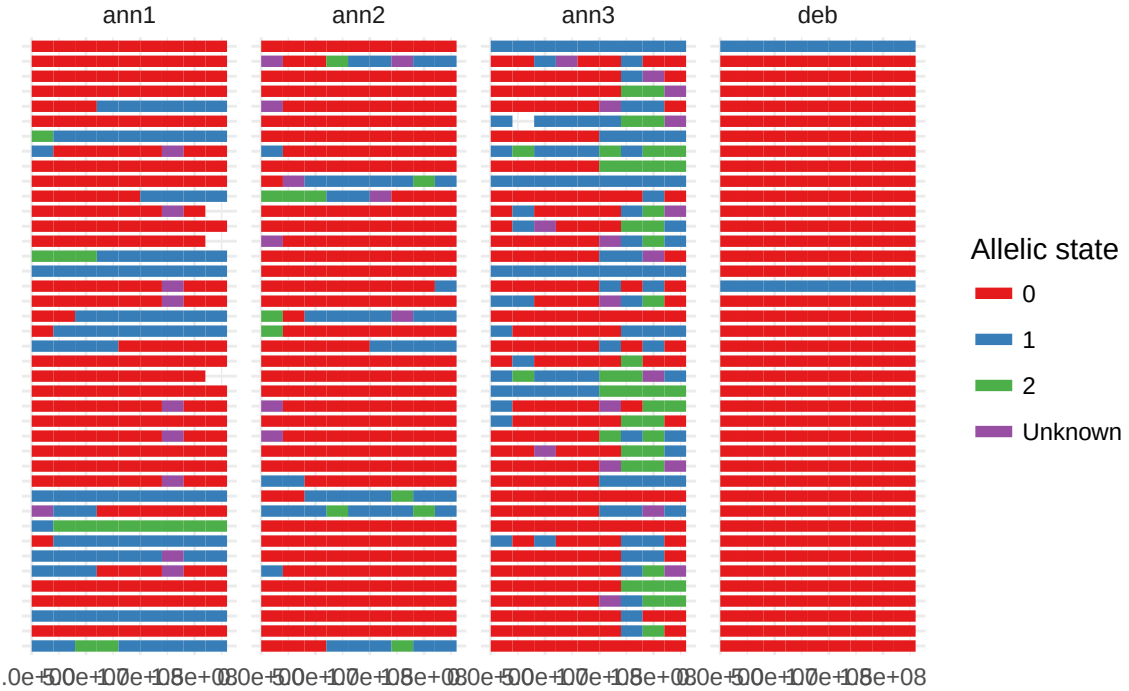

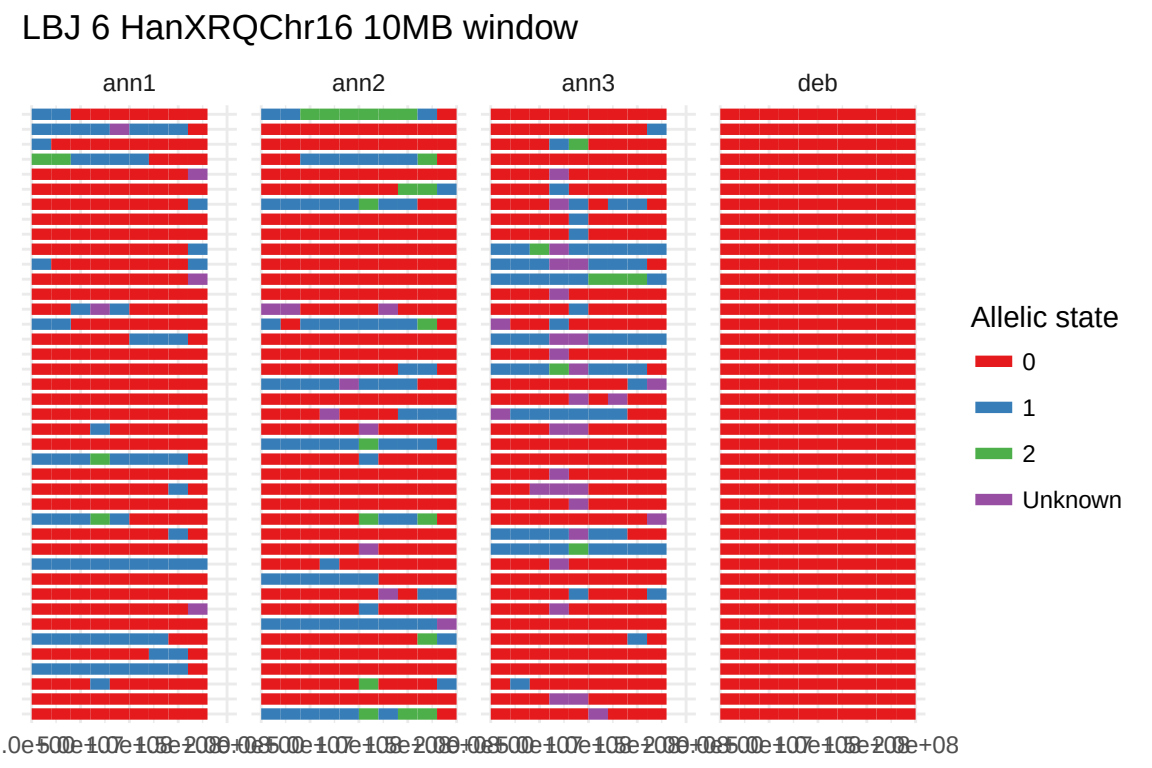
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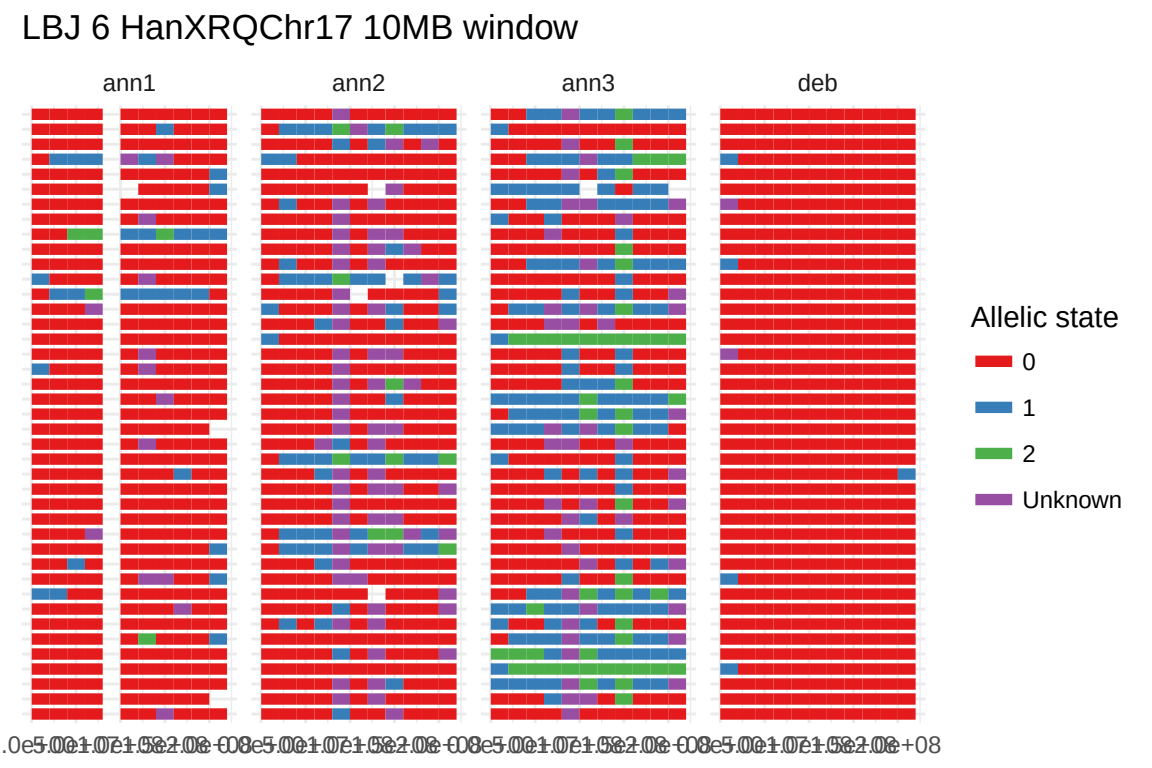
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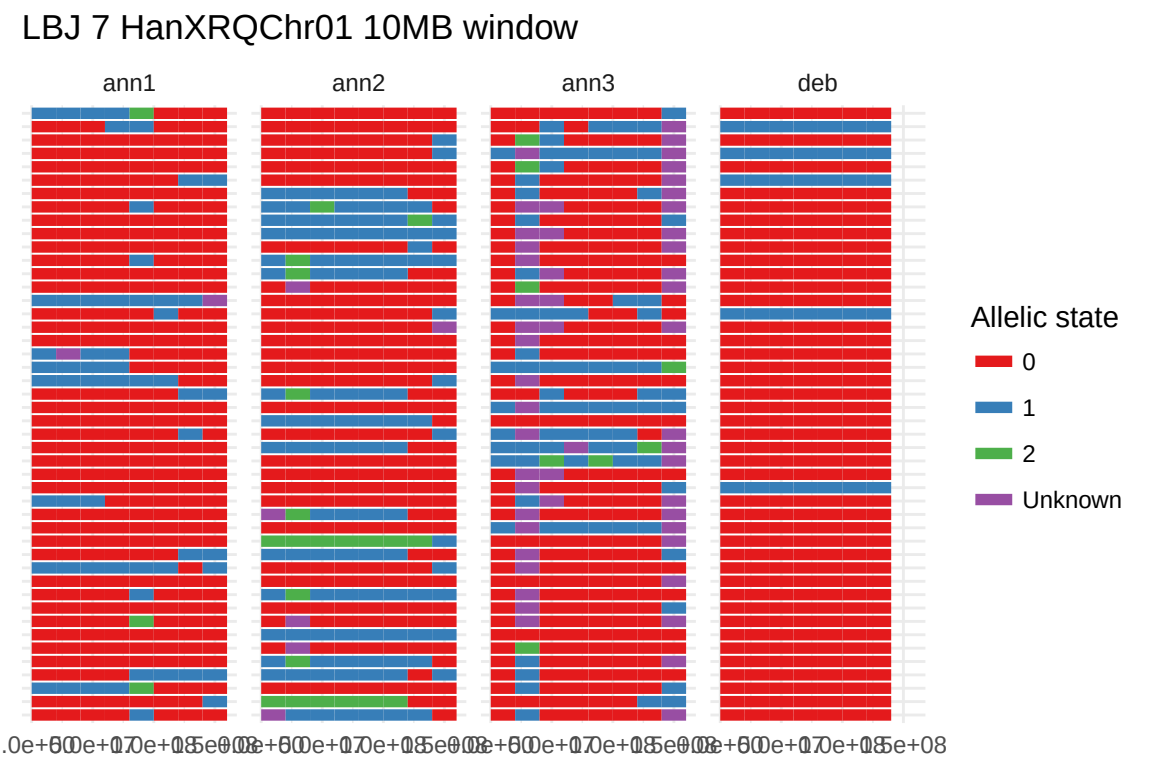
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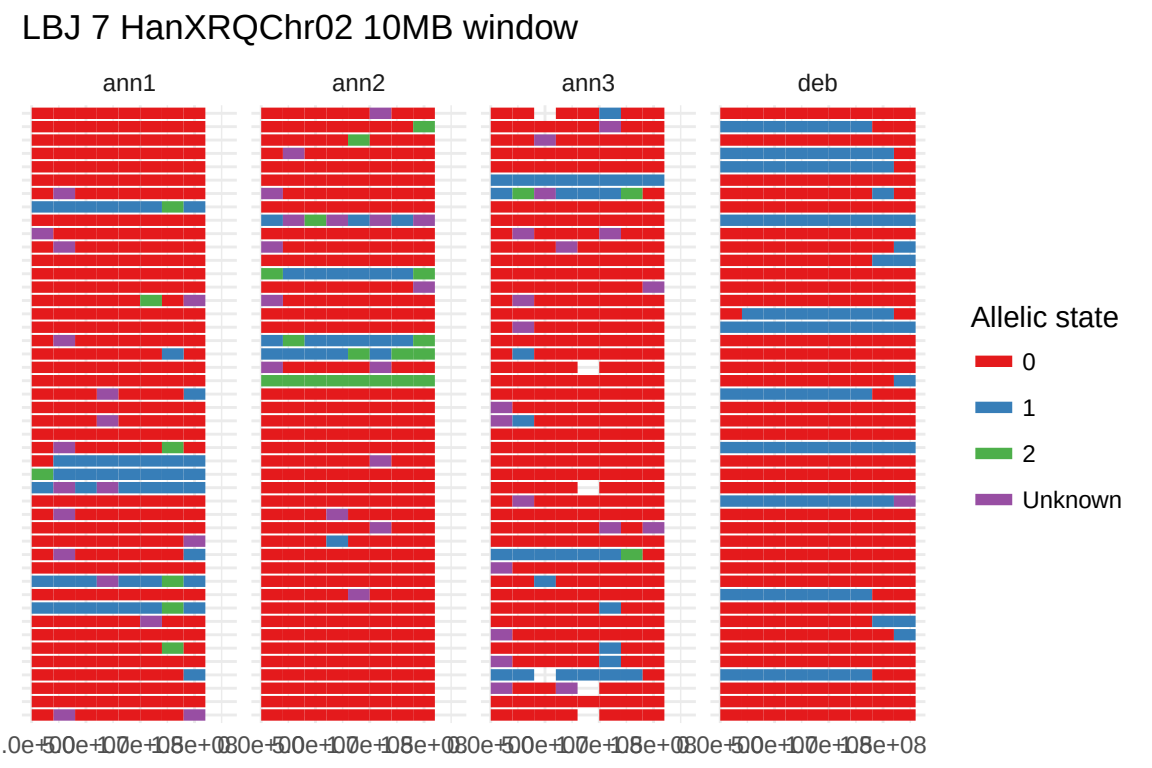
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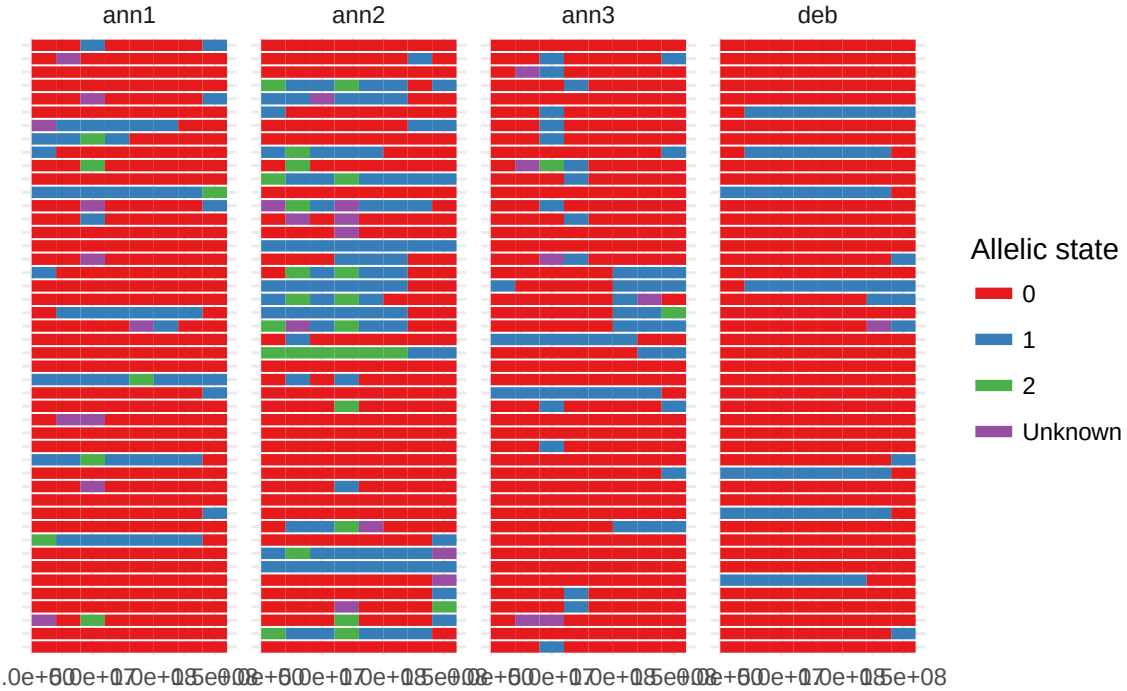

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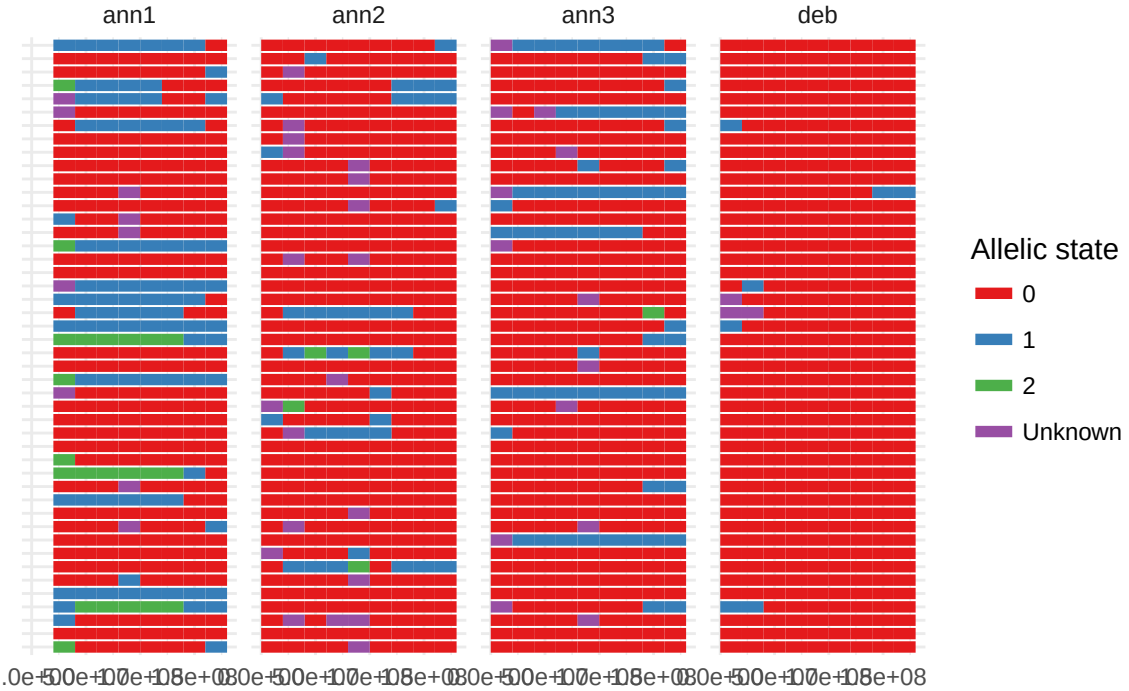

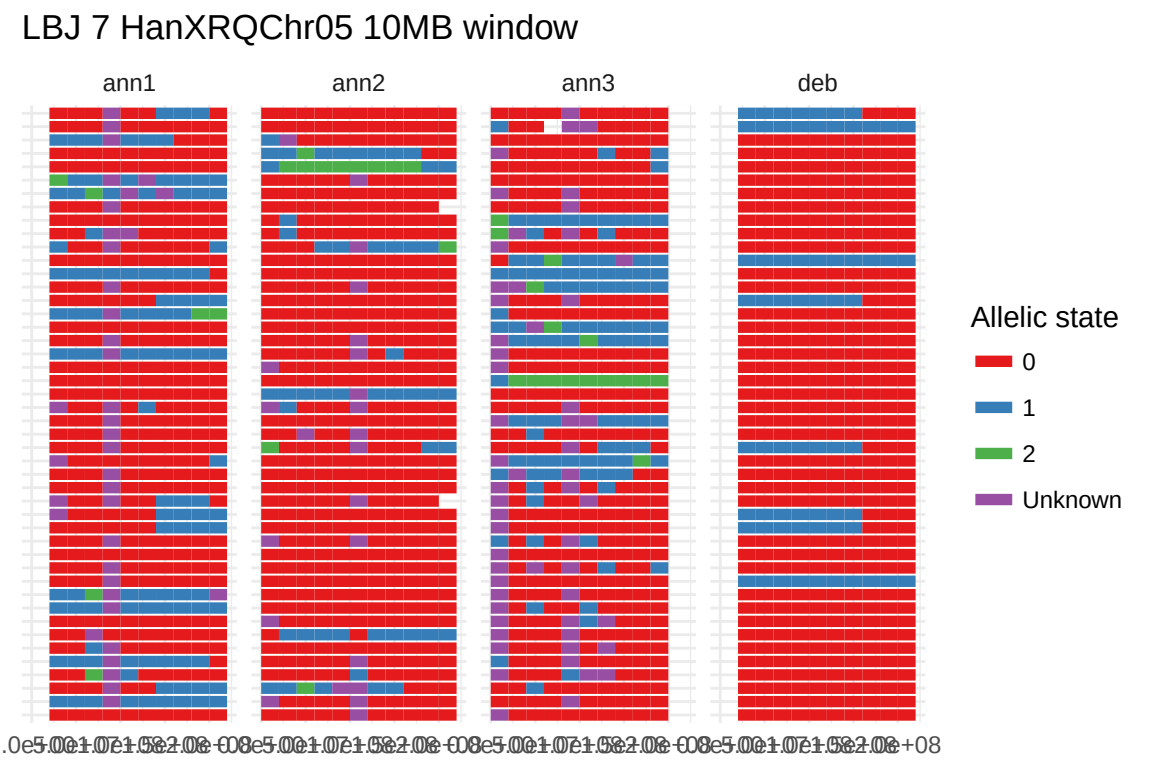
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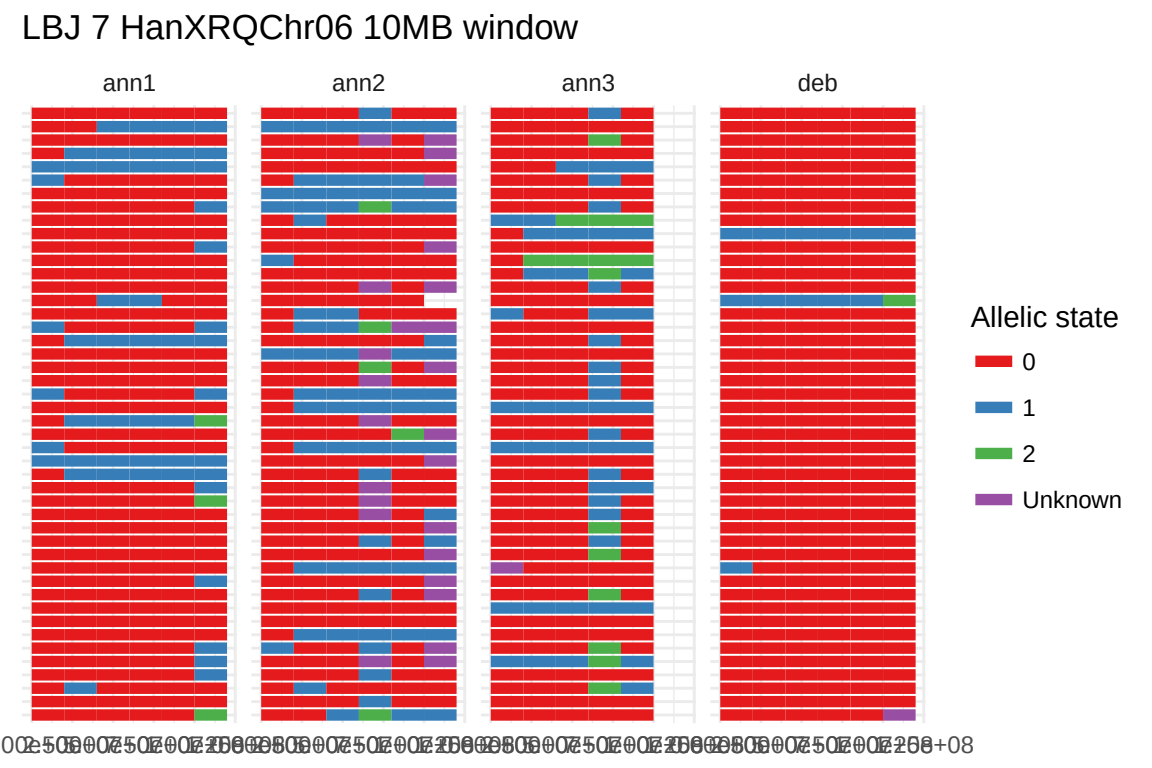
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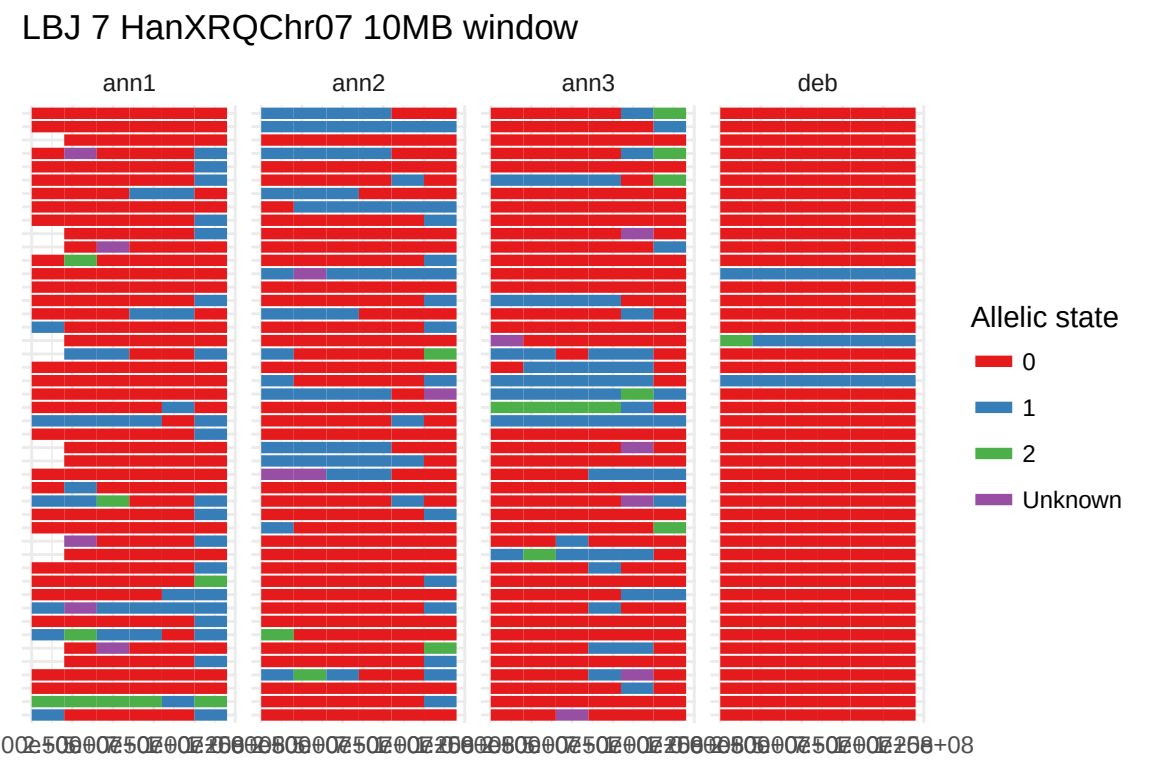
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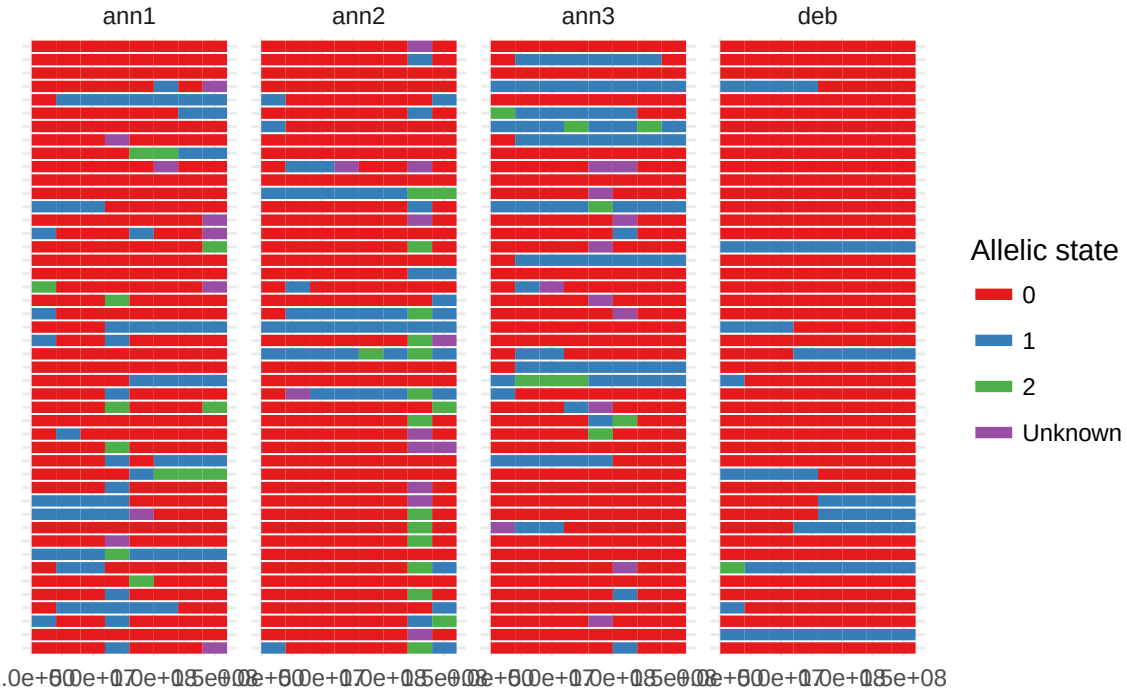

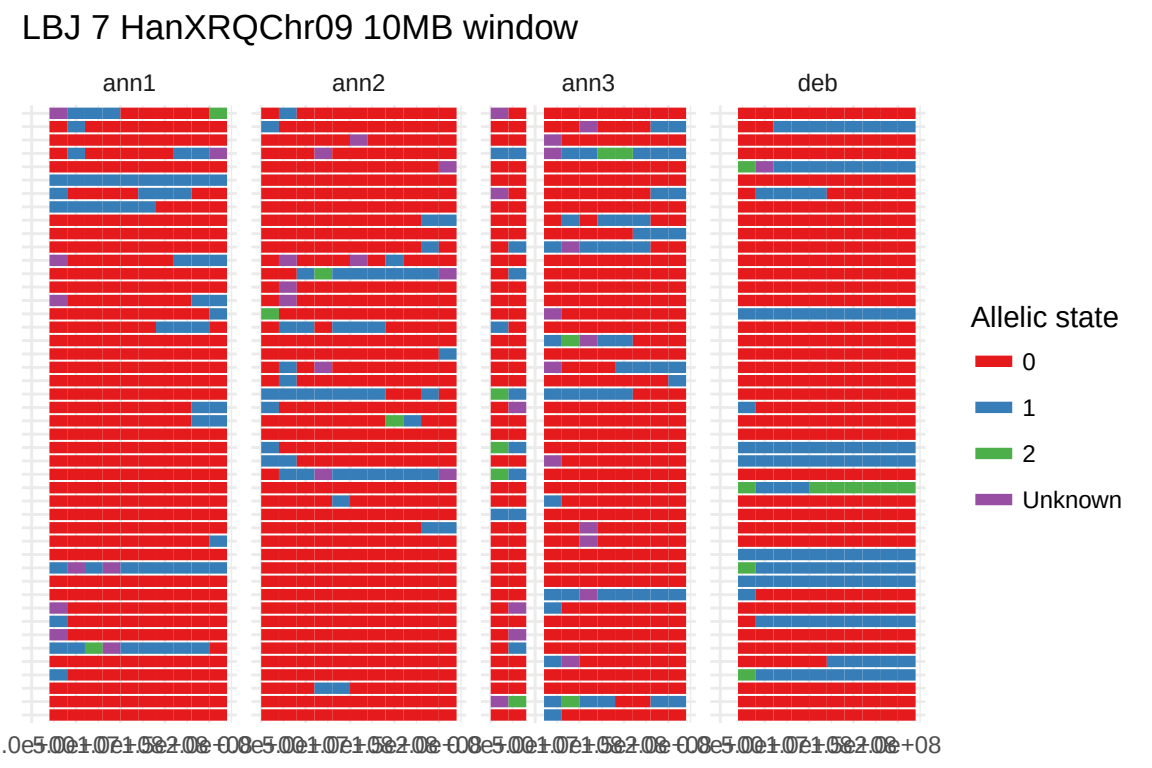
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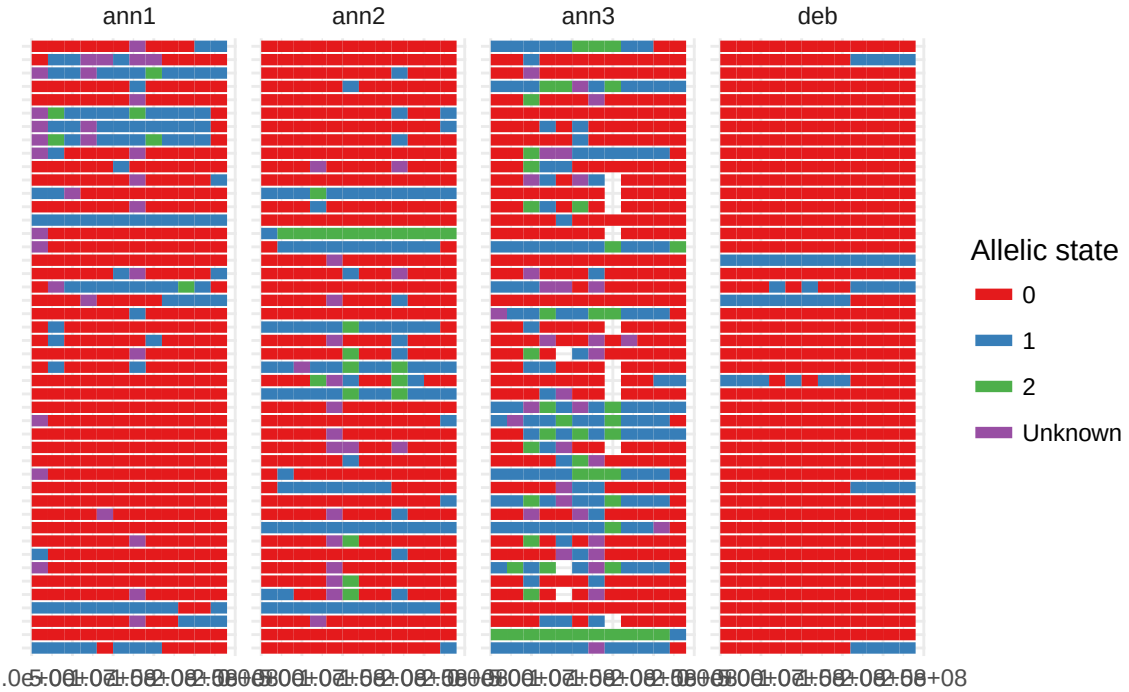

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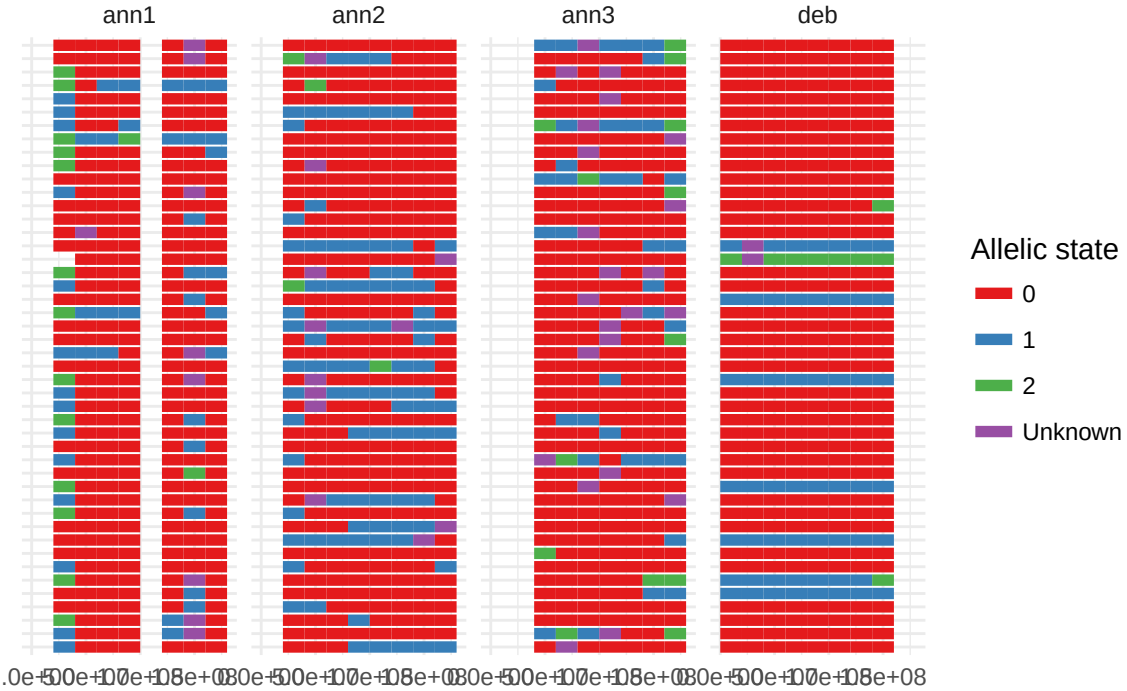

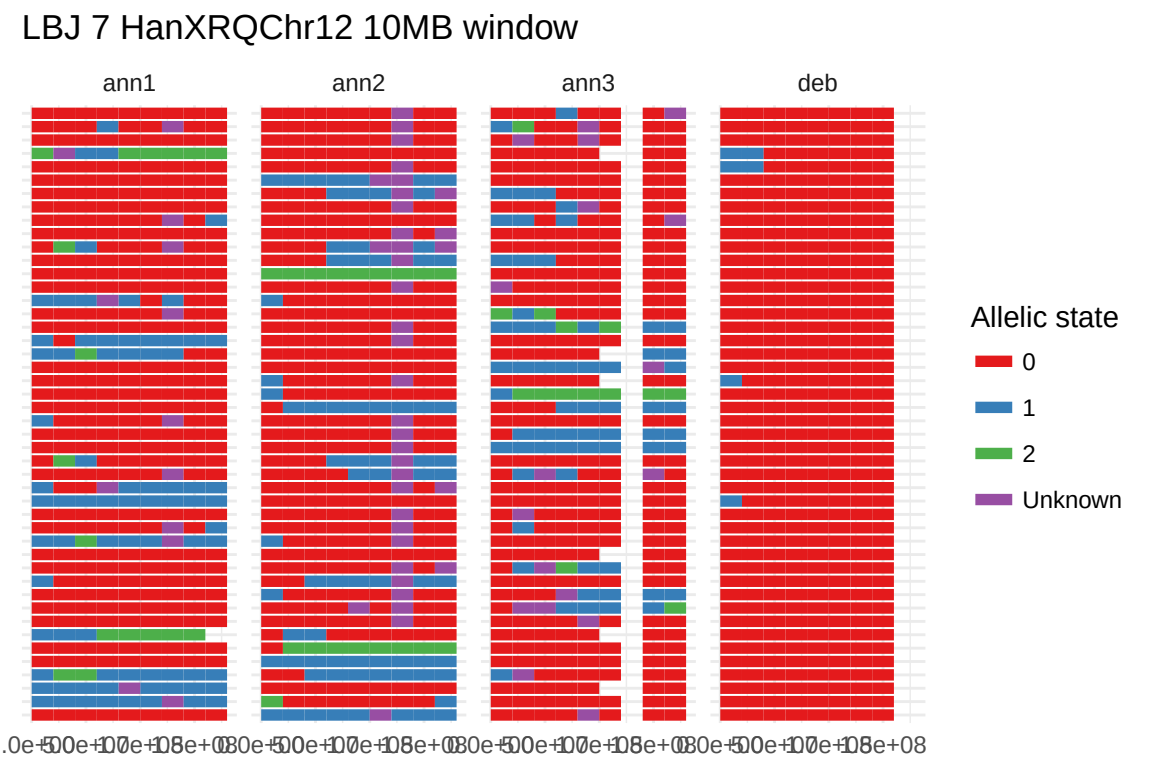
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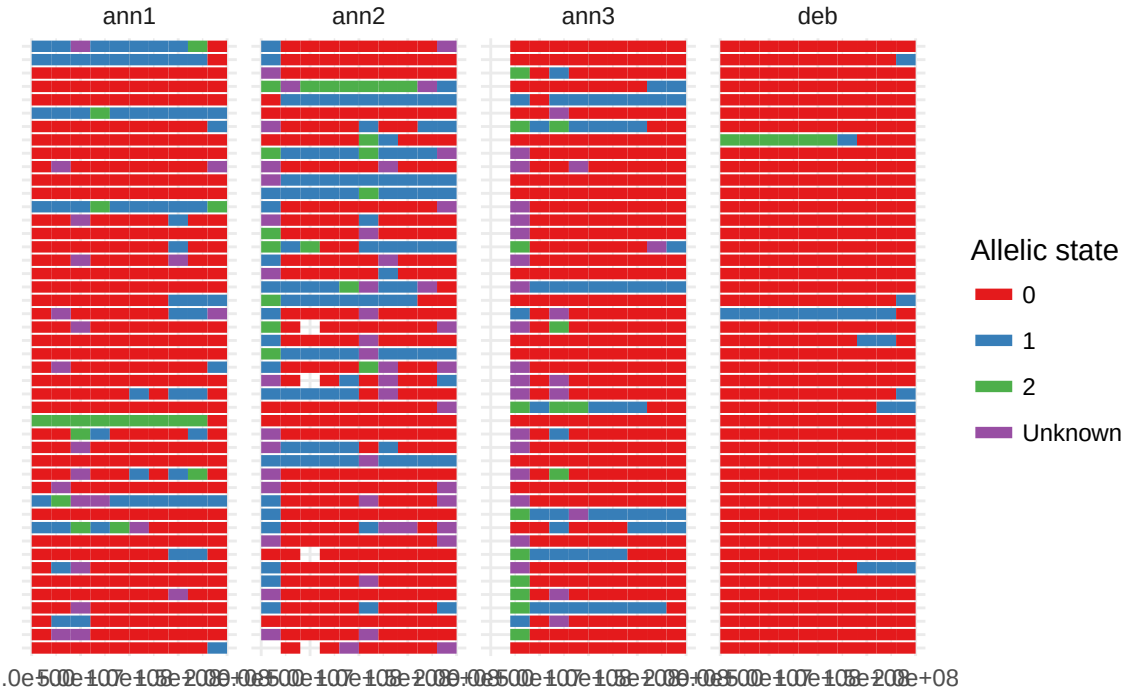

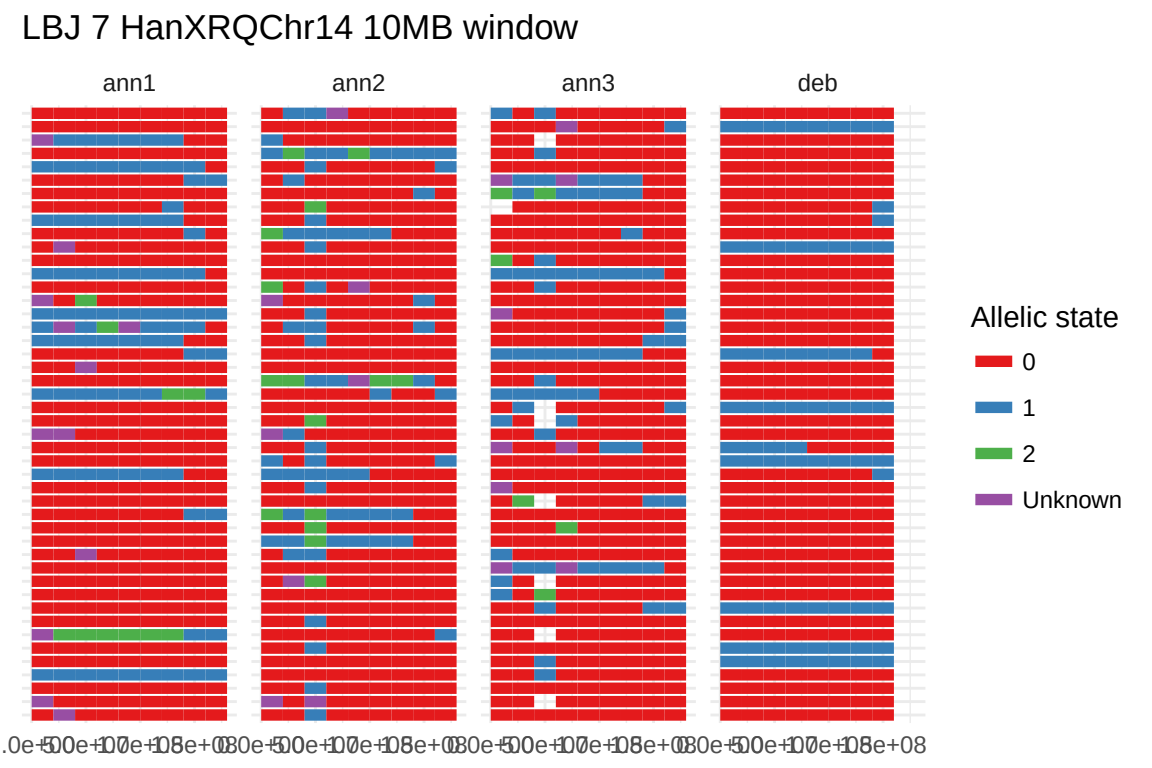
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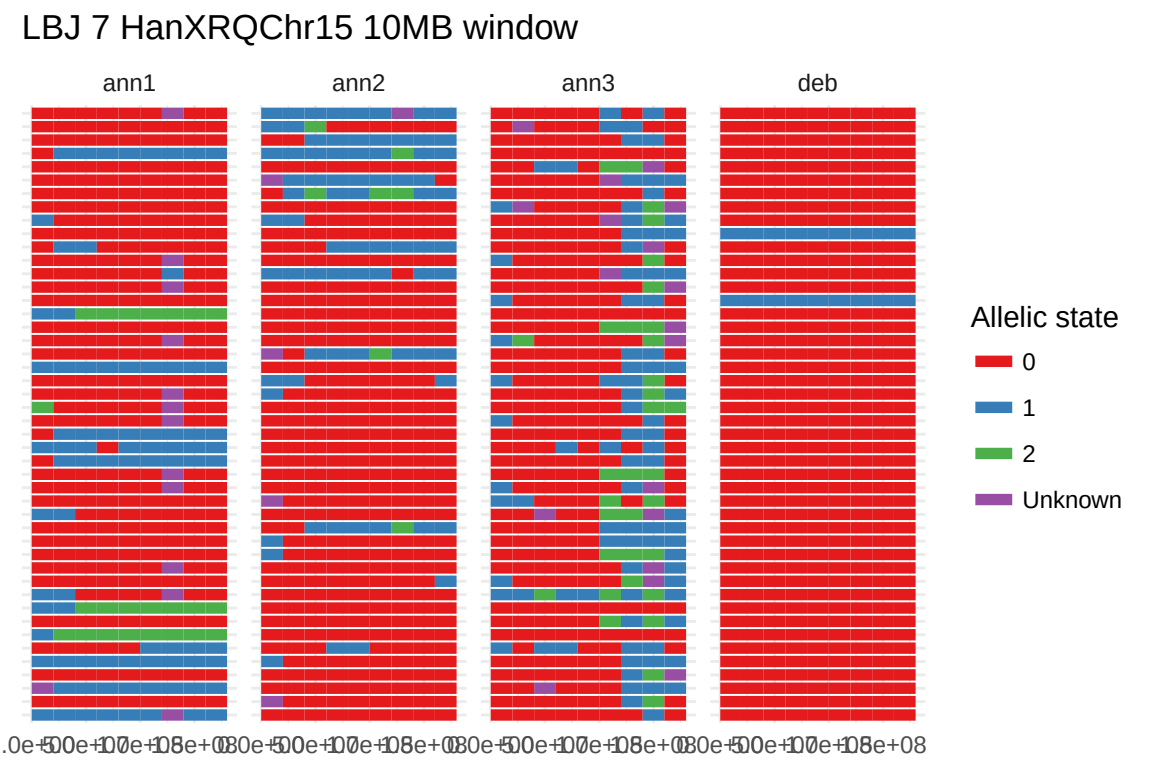
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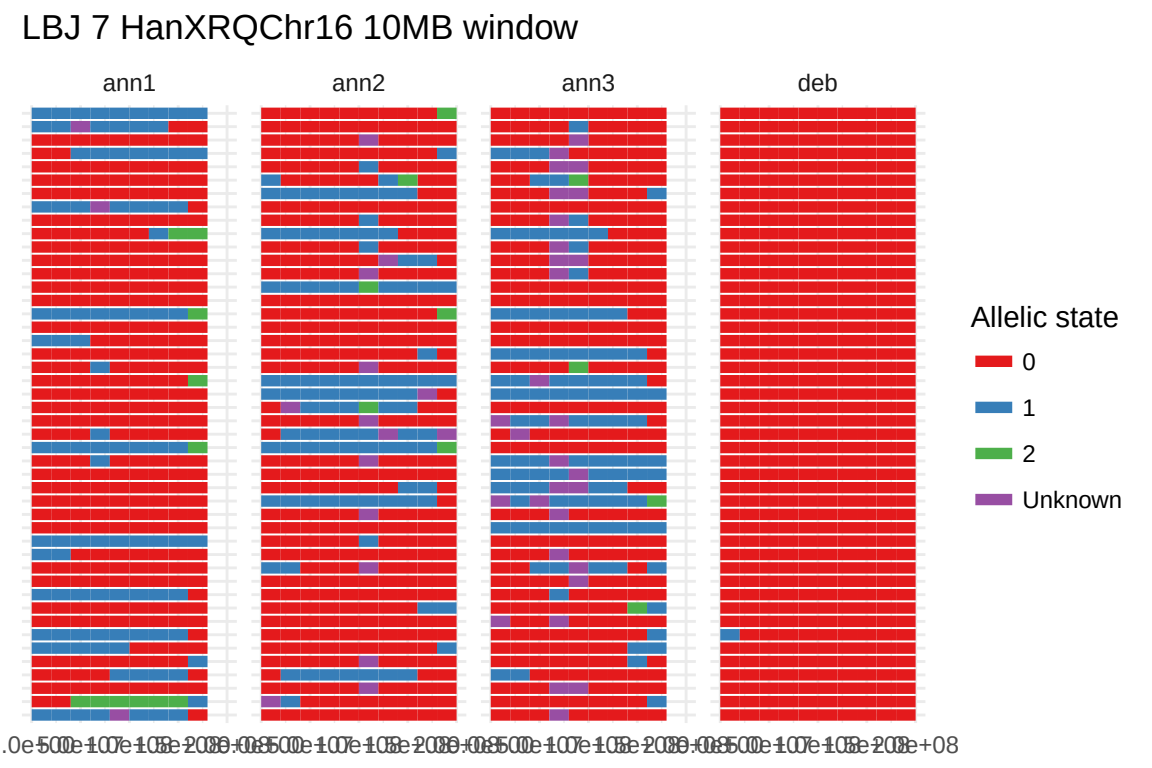
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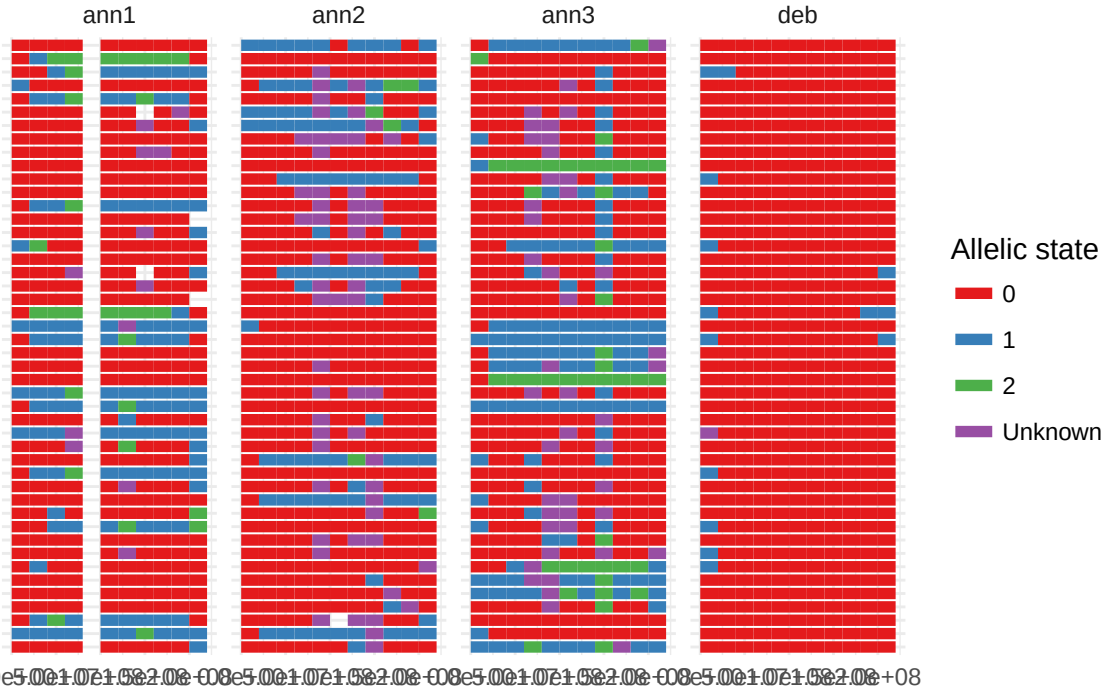

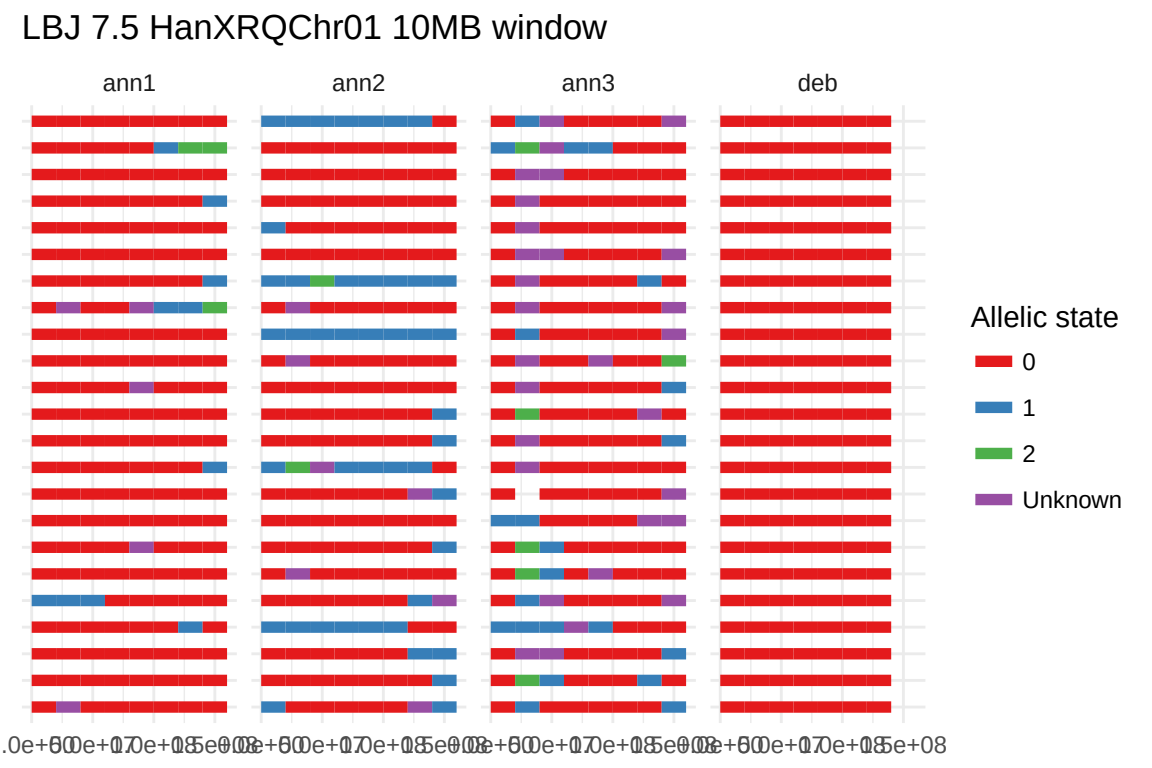
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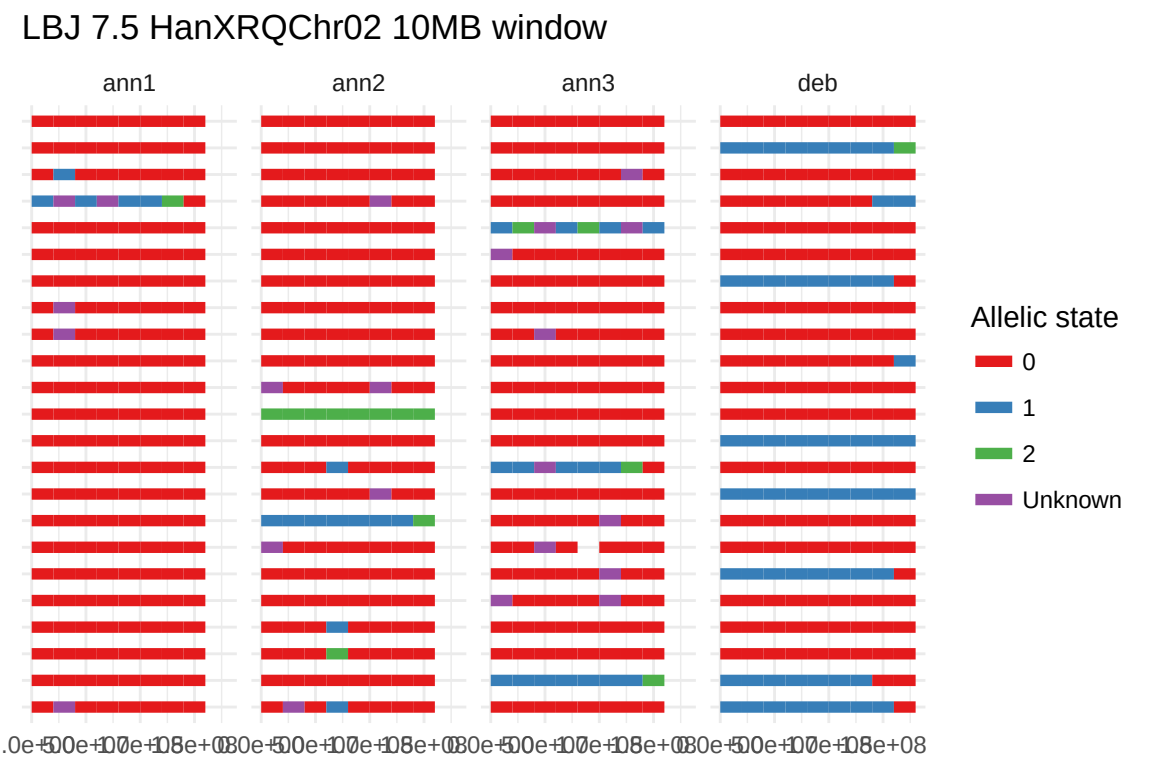
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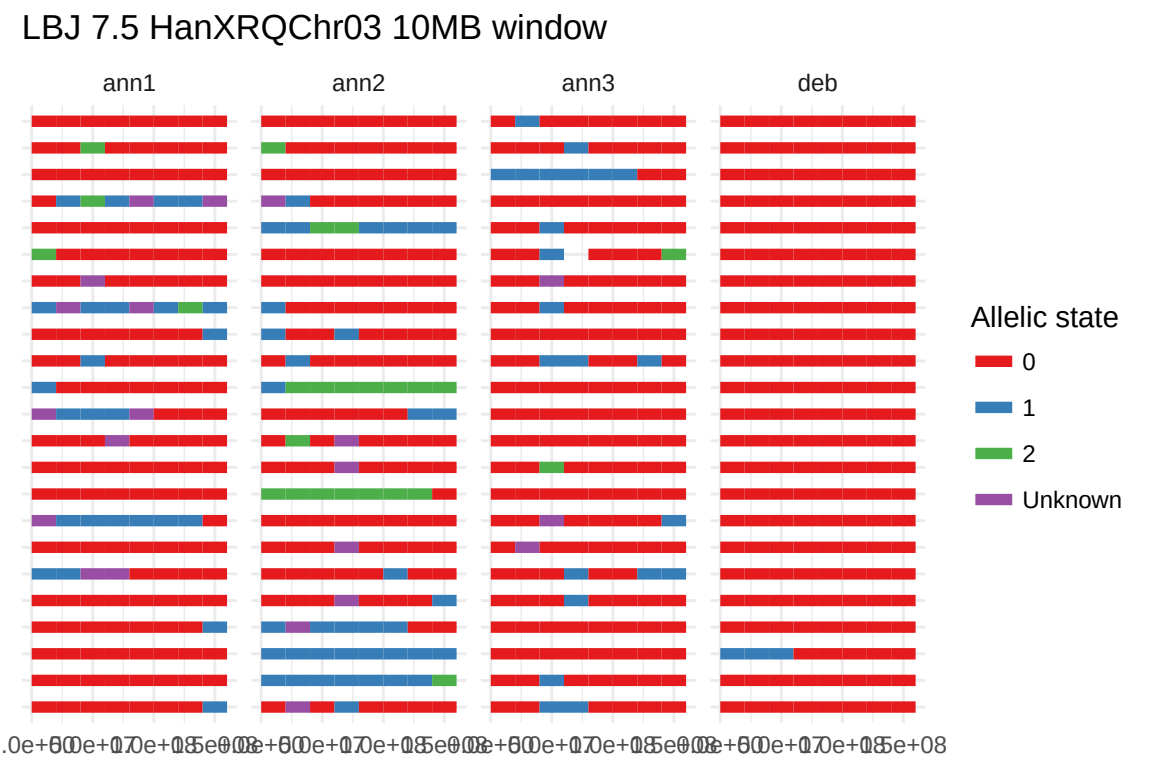
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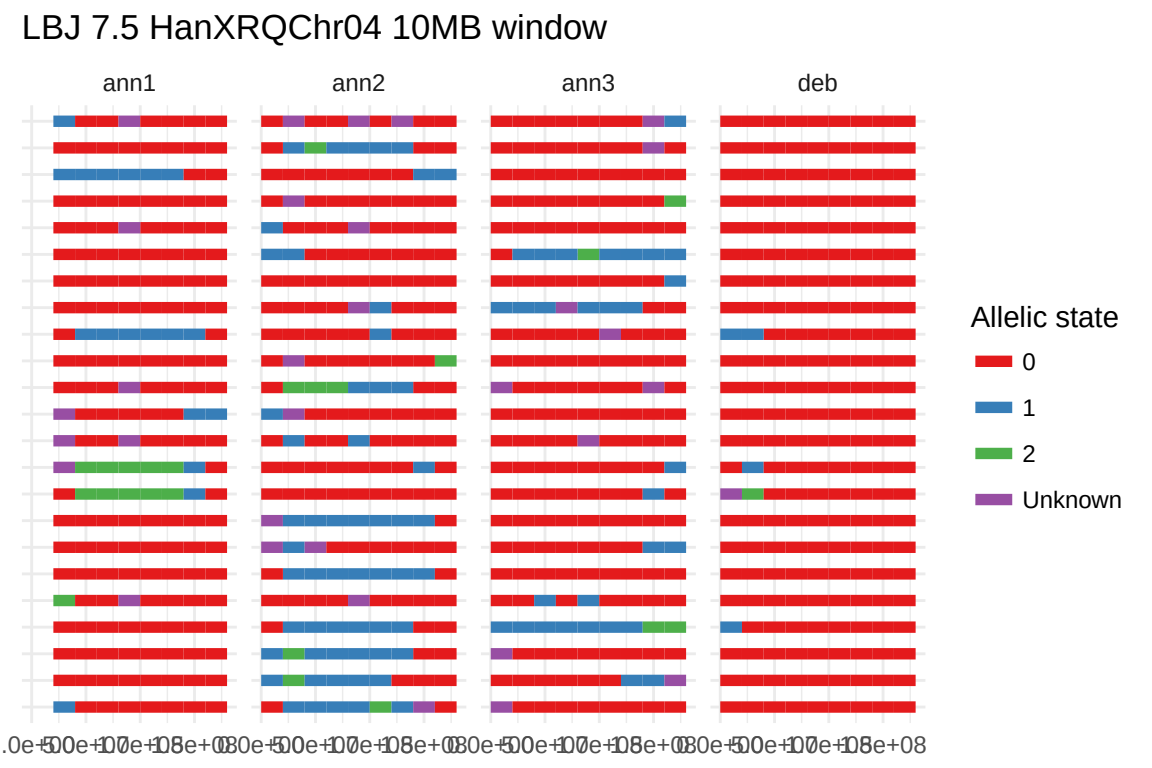
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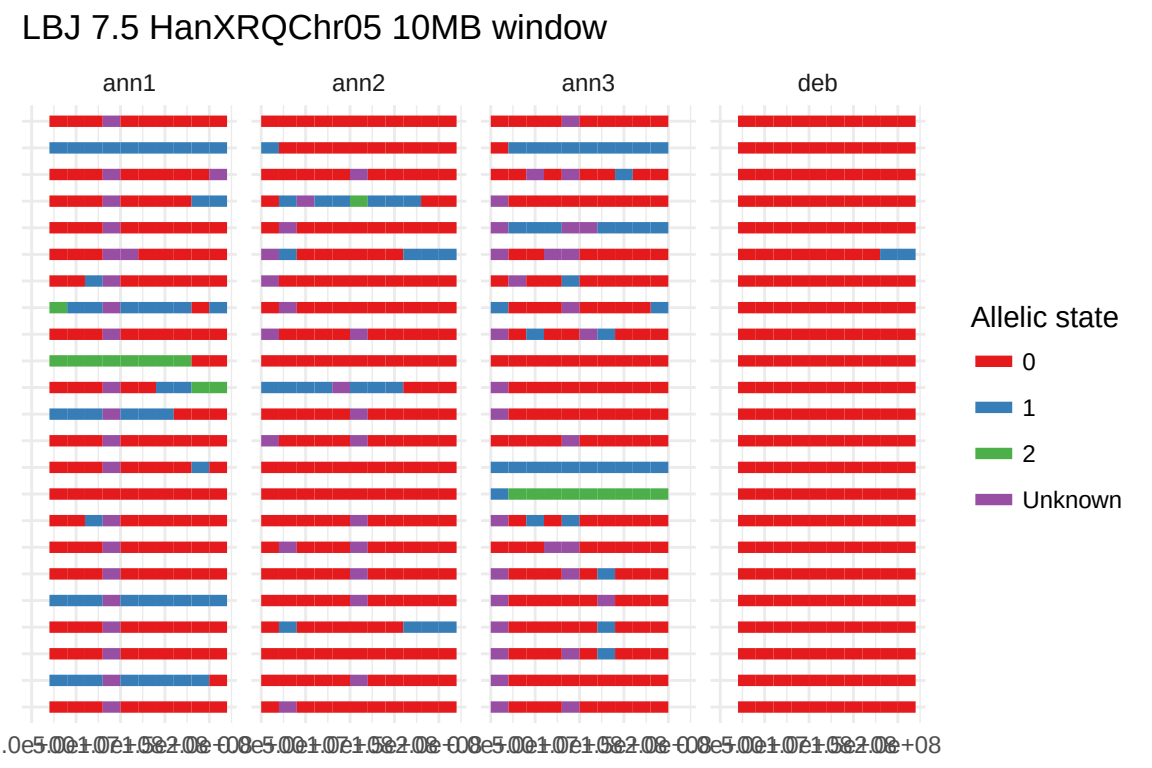
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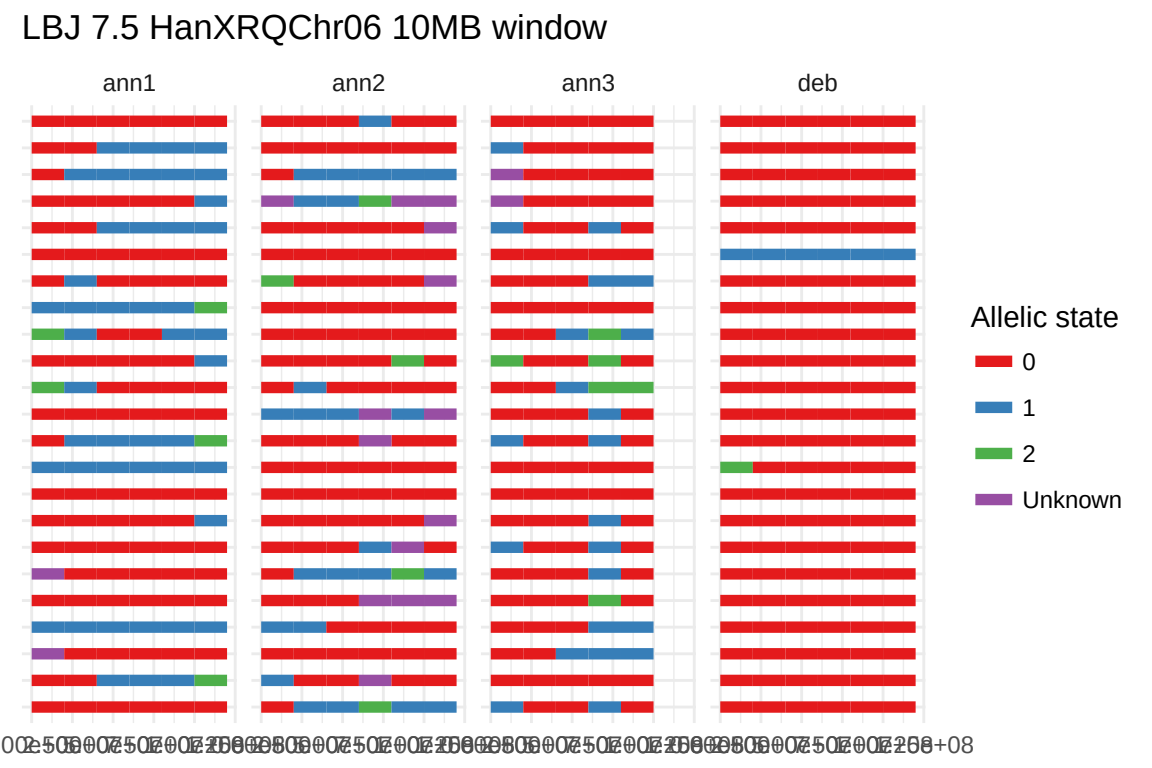
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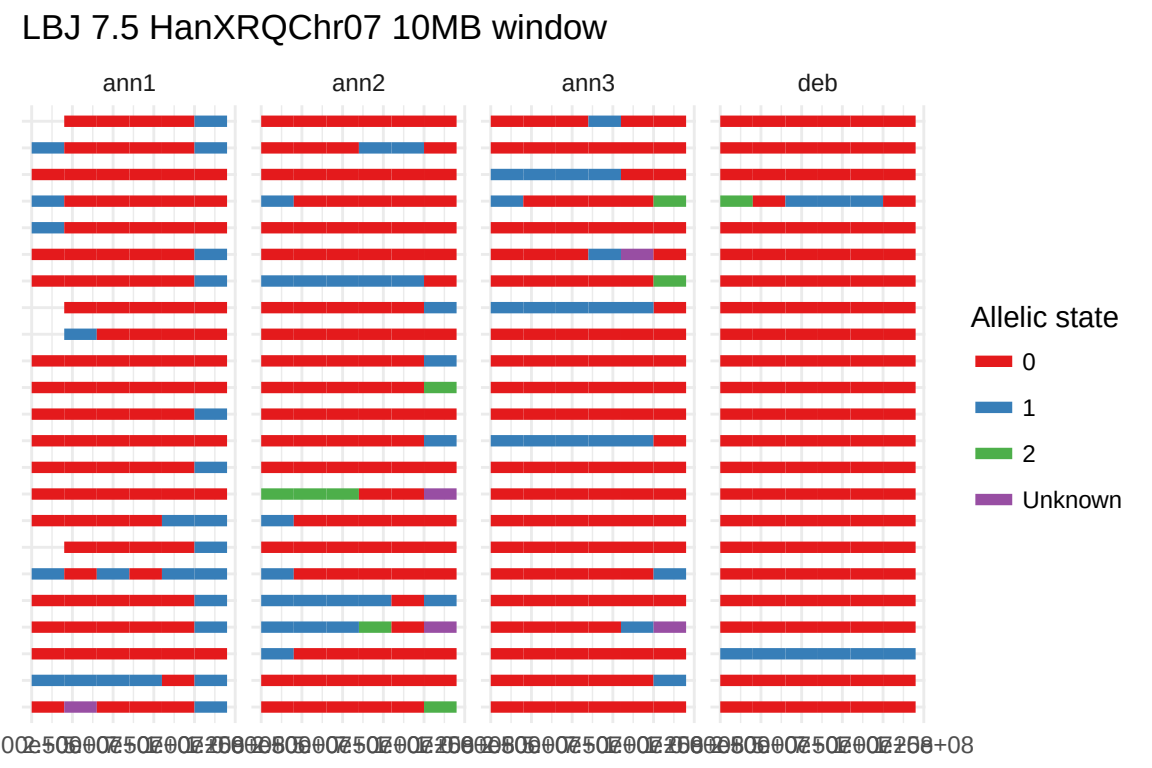
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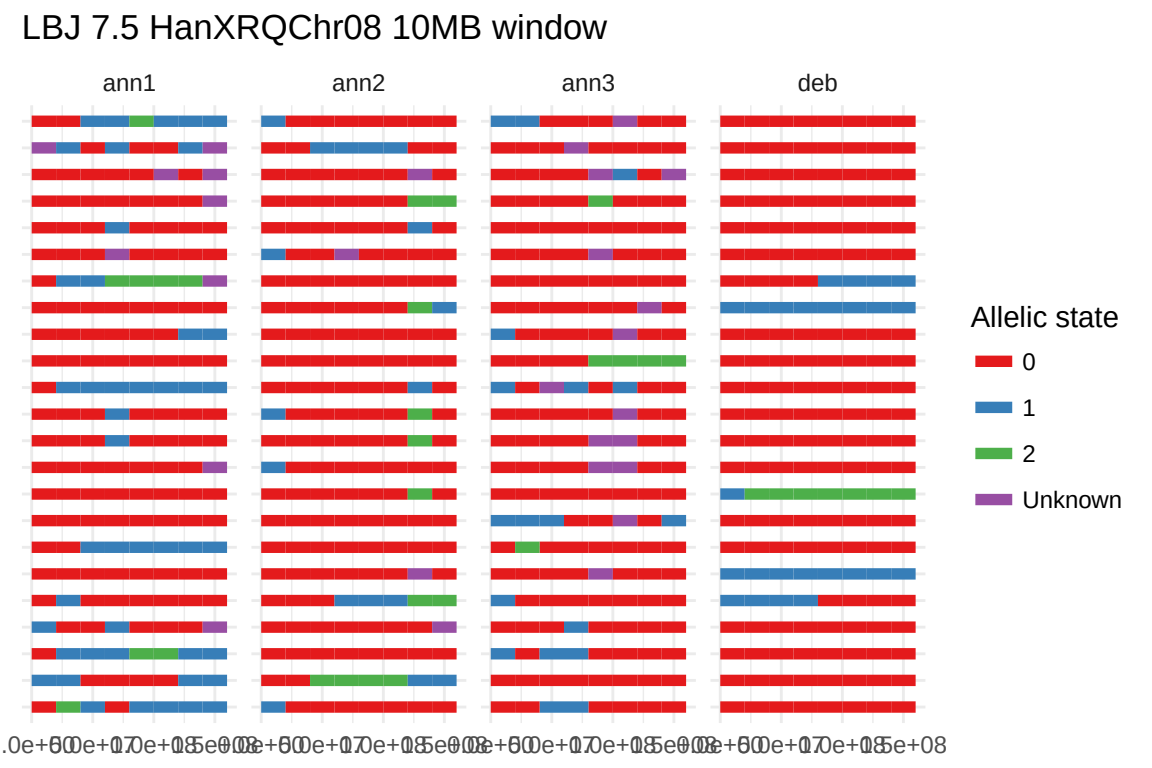
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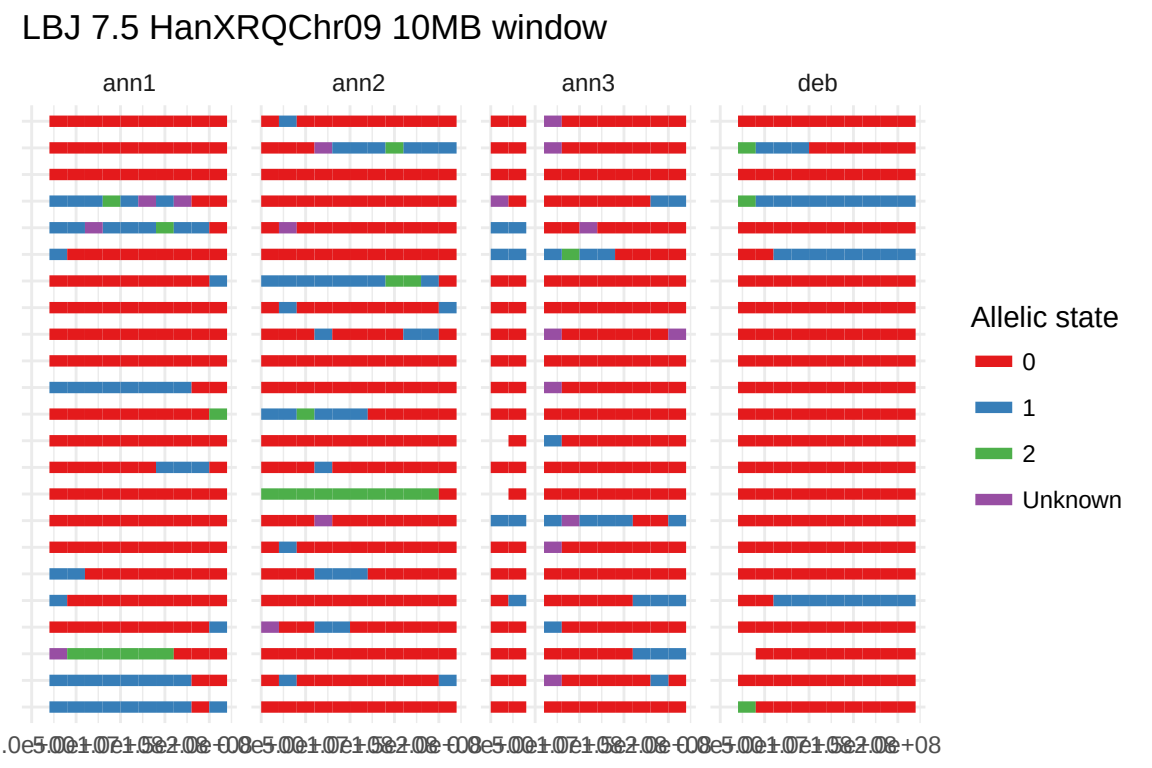
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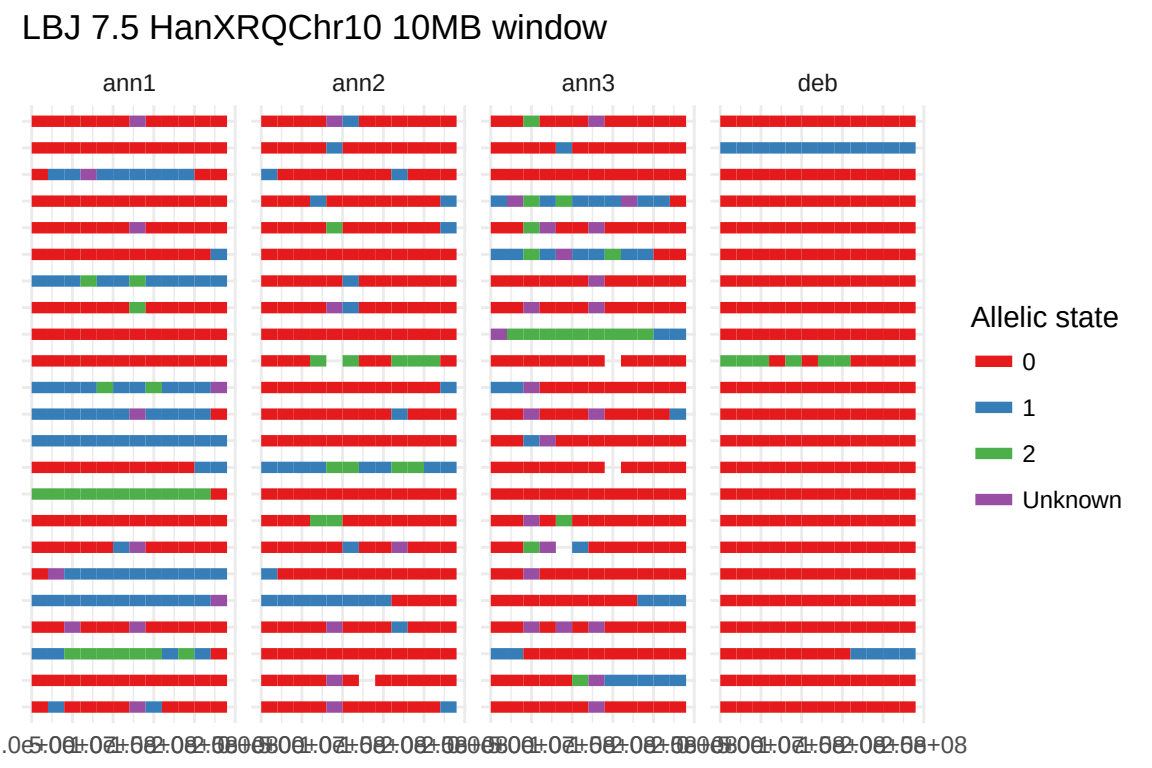
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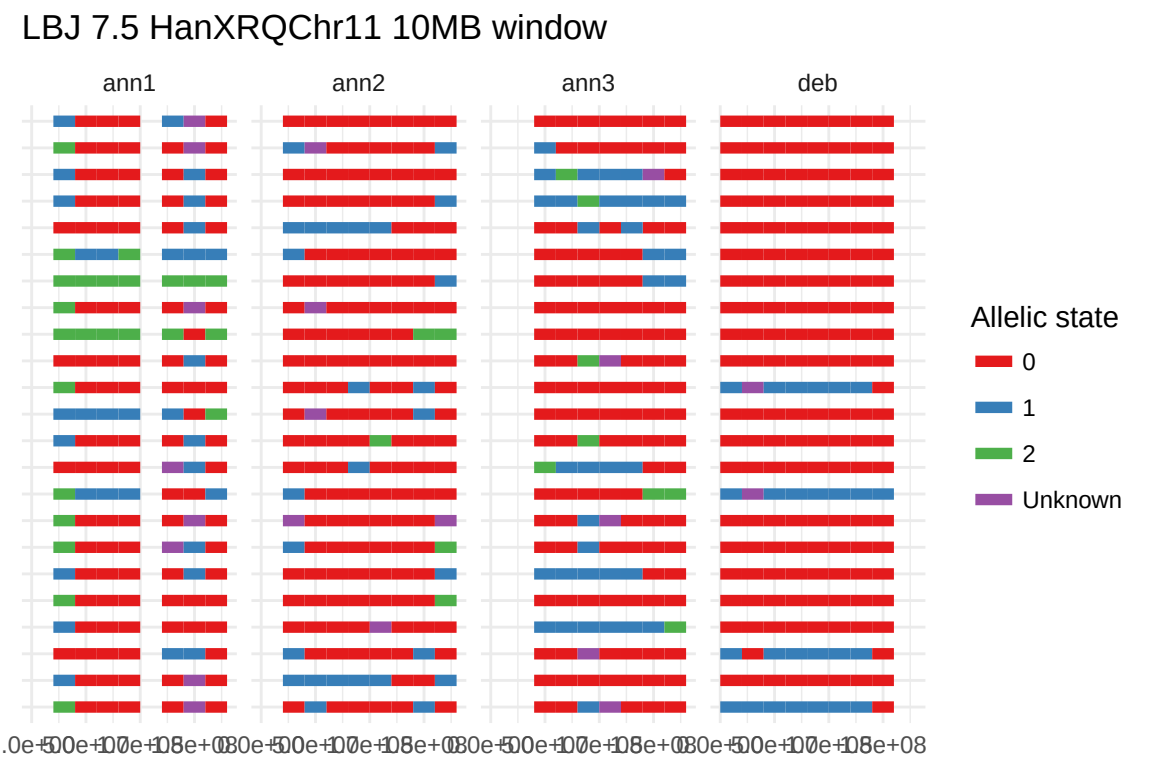
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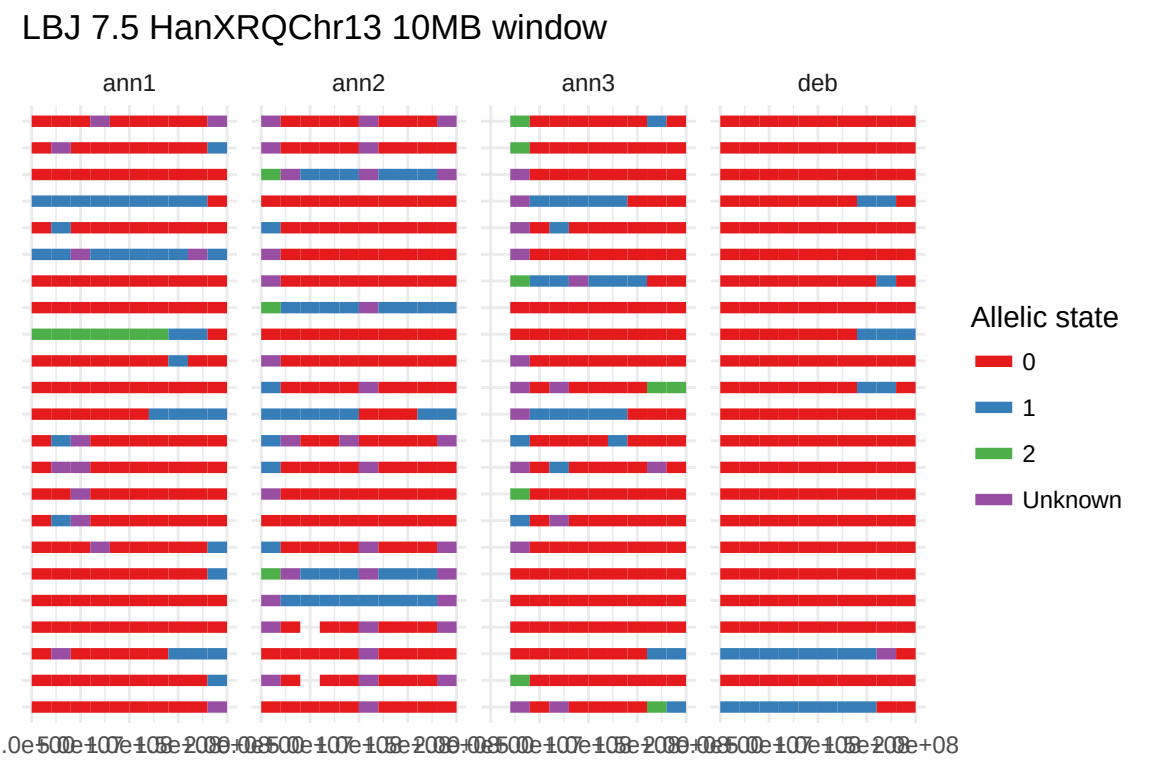
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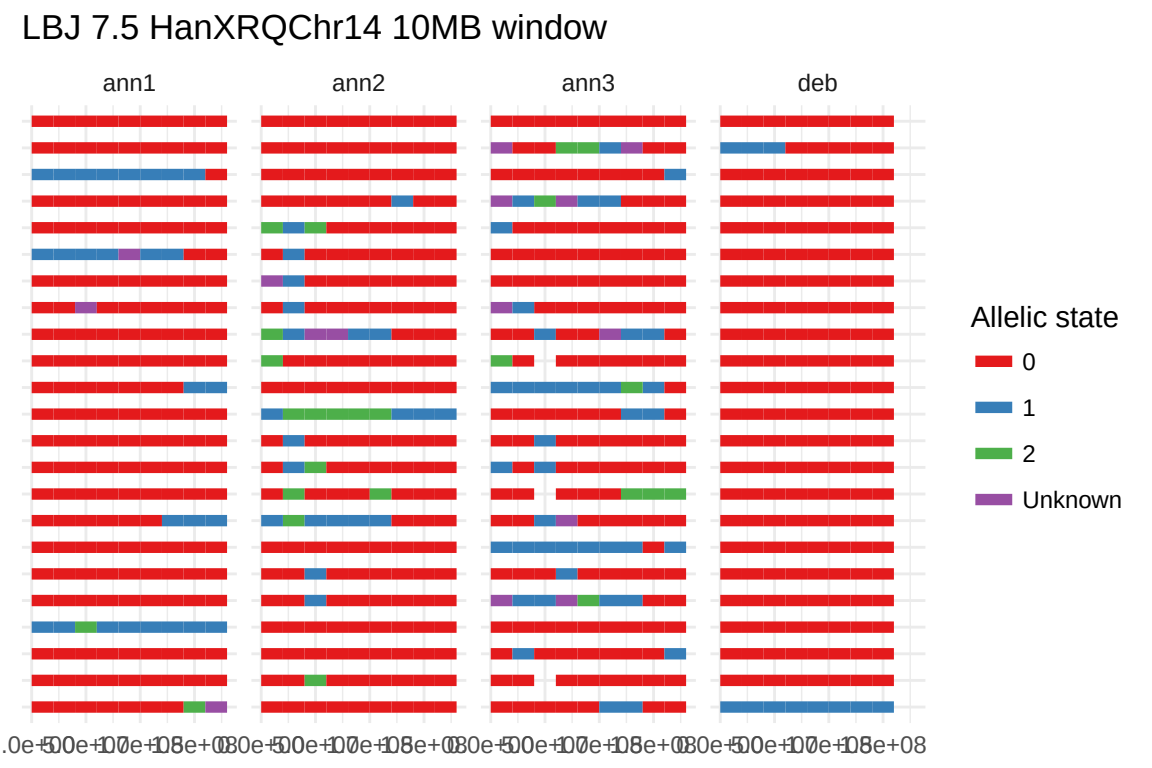
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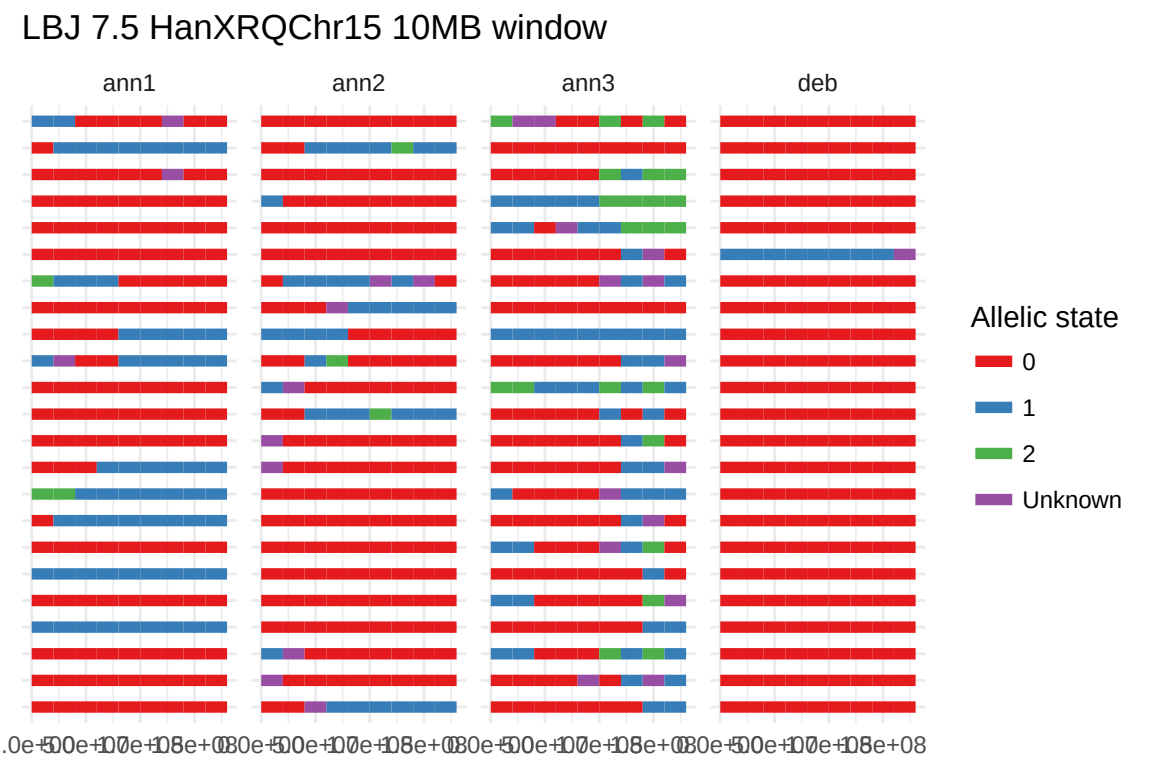
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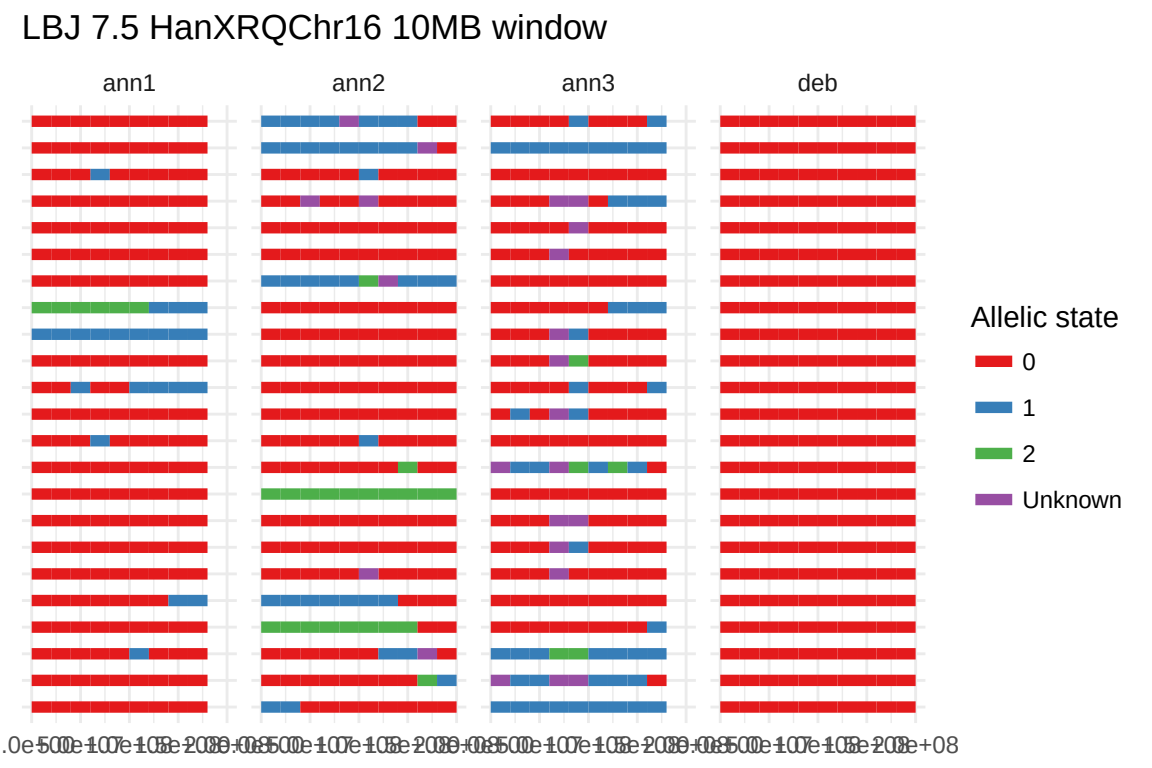
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LBJ 7.5 HanXRQChr17 10MB window
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ann3
deb
Allelic state
0
1
2
Unknown