


Mapchart 2.30

Software for the graphical presentation of linkage maps and QTLs

<https://www.wur.nl/en/show/Mapchart-2.30.htm>

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Product or service

Mapchart 2.30

Software for the graphical presentation of linkage maps and QTLs


A great charting tool for genetic linkage studies

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Description
MapChart is a computer package for the MS-Windows ® platform that produces charts of genetic linkage maps and QTL data. These charts are composed of a sequence of vertical bars representing the linkage groups or chromosomes. On these bars the positions of loci are indicated, and next to the bars QTL intervals and QTL graphs can be shown. MapChart reads the linkage information (i.e. the locus and QTL names and their positions) from text files. This information has to be calculated beforehand, usually with genetic mapping software such as JoinMap ® and MapQTL ®.

Features

- imports map files from JoinMap ® and QTL information from MapQTL ®



Support
E (Dinie) Verbeek-Greeve

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Software for the graphical presentation of linkage maps and QTLs

- MapchartはWindowsのみ利用可能
- <https://www.wur.nl/en/show/Mapchart-2.30.htm>
- Download
 - <http://www.wur.nl/en/Expertise-Services/Research-Institutes/plant-research/Download-MapChart.htm>
 - のページからダウンロード可能です。
- ソフトをダウンロードするだけでなく、license fileが必要
- 登録後入手したMapChart.licというファイルを、MapChartがインストールされているディレクトリに移動すれば、使用可能

MapChartの書式

MapChart example 4を参考に

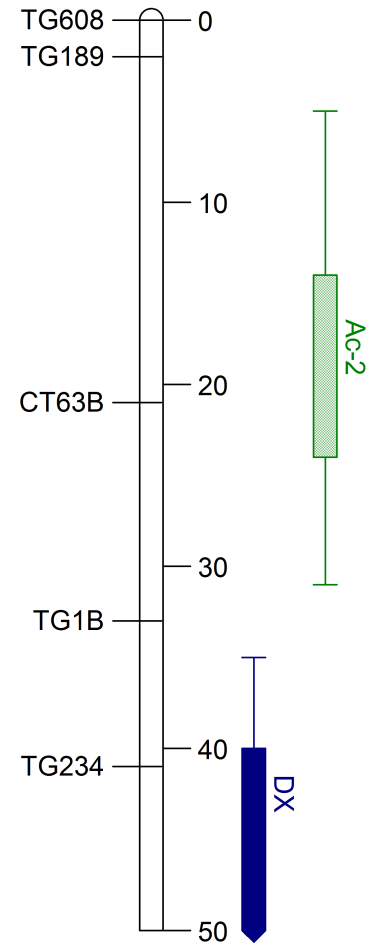
group B 染色体の名前など

TG608	0
TG189	2
CT63B	21
TG1B	33
TG234	41
TG14	51
CT24	124

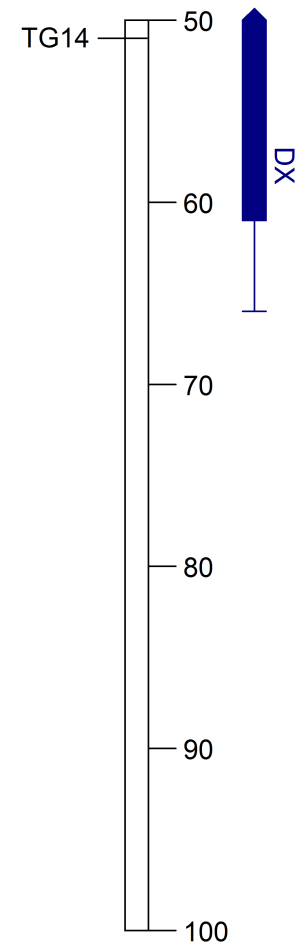
1列目: マーカー
2列目: 位置

連鎖地図の書式

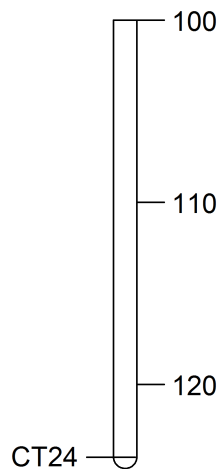
B [1]



B [2]



B [3]



MapChartの書式

MapChart example 4を参考に

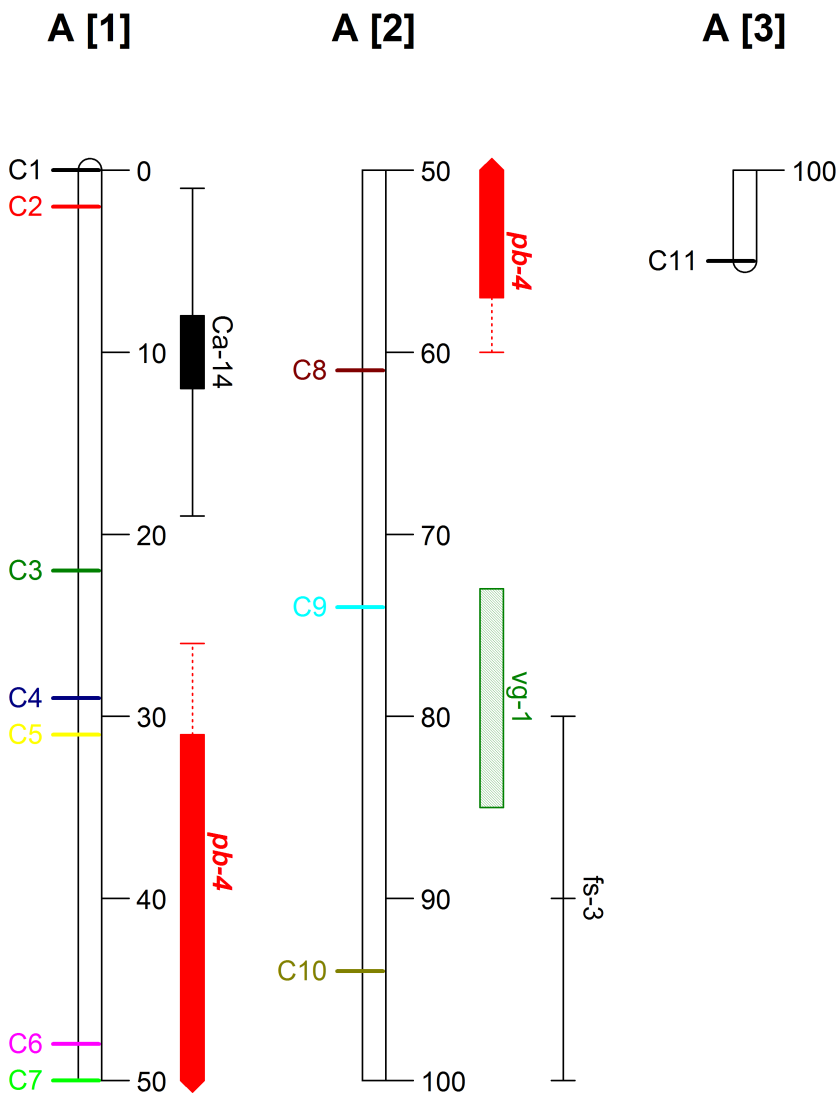
group A		
C1	0.0	C1
C2	2.0	C2
C3	22.1	C3
C4	29.1	C4
C5	30.9	C5
C6	47.9	C6
C7	50.3	C7
C8	61.0	C8
C9	74.2	C9
C10	94.2	C10
C11	105.2	C11

1列目: マーカー
2列目: 位置
3列目: 書式設定

B:bold
I:italic
C2:color code 2

マーカーの書式変更

Examp



MapChartの書式

QTL intervals

```
qtls ;start of qtls section of linkage group A
```

```
Ca-14 1.3 7.9 12.3 18.6
```

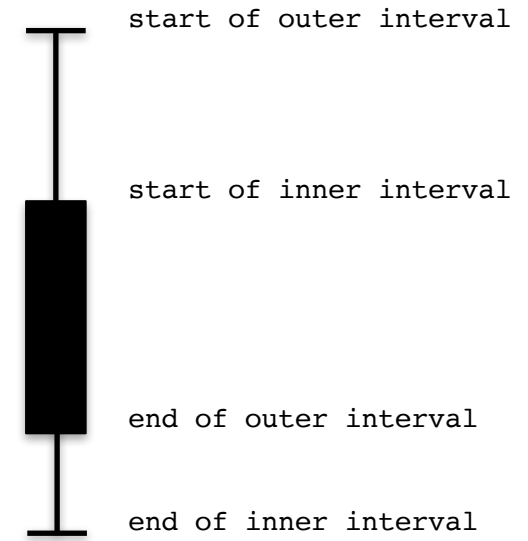
```
    ;first QTL: name Ca-14
```

```
    ;          start of outer (1.3) and inner (7.9) intervals,
```

```
    ;          end of inner (12.3) and outer (18.6) intervals,
```

```
    ;          no formatting, displayed with default color (C1),
```

```
    ;          default fill and line style (solid) and default font style
```



default color black

```
vg-1 73.0 73.0 85.0 85.0  C3 F4
```

start of outer intervalとinner intervalを同じにすれば線なし

```
    ;third QTL: only inner interval shown, since it overlaps outer interval (73.0 - 85.0)
```

```
    ;          color number 3 (C3),
```

四角の色や
模様を変更可能

```
    ;          fill style F4 (diagonal hatch)
```

```
    ;the first, second and third QTLs don't overlap each other and are shown in the same
```

```
    ;"QTL band" (in the same vertical line)
```