The QTLseq package

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Short Overview:

50 strongest beers in the world

* not including retired beer

	name	ABV	score	ratings	atyle
1	Brewmeister Armageddon	65%		0	Eisbock
2	Schorschbräu Schorschbock 57% finis coronat opus	57.7%	2.62	29	Eisbock
3	Schorschbräu Schorschbock 43%	43.38%	2.9	32	Eisbock
4	BrewDog Sink the Bismarck	41%	3.34	290	Imperial/Double IPA
5	Baladin Esprit de Noel	40%		0	Belgian Strong Ale
6	Struise Black Damnation VI - Messy	39%	3.87	101	Imperial Stout
7	Revelation Cat Freeze the Penguin	35%	3.57	42	Barley Wine
8	BrewDog Tactical Nuclear Penguin	32%	3.26	370	Imperial Stout
9	Schorschbräu Schorschbock 31% Black Edition	31%	2.88	21	Eisbock
10	Schorschbräu Schorschbock 31%	30.86%	3.16	47	Eisbock
11	Samuel Adams Utopias 10th Anniversary	29%		0	Barley Wine
12	BrewDog Ghost Deer	28%	3.48	20	Belgian Strong Ale
13	Südstern XXL	27.6%	3.1	16	Eisbock
14	Samuel Adams Utopias	27%	4.02	724	Barley Wine
15	Struise Black Damnation V - Double Black	26%	4.1	185	Imperial Stout
16	Struise Special Darkest Night	26%	3.36	6	Imperial Stout
17	Struise Five Squared	25%	3.49	78	Abt/Quadrupel
18	Emelisse XXV Imperial Russian Stout	25%	3.72	35	Imperial Stout
19	Fleurac Octo-Pyroclastic Black IPA	24%	3.24	27	Black IPA
20	Herkimer Toripuru Strong Bock	23%	3.25	5	Doppelbock

High Tolerance Strain

Low Tolerance Strain

ATTGGCTAGGTTACACTGGTAGACACATGAGTA TTCGACCAAGTGACGCTGATGGAAACAGGAATA

High Tolerance Strain

ATTGGCTAGGTTACACTGGTAGACACATGAGTA

Low Tolerance Strain

TTCGACCAAGTGACGCTGATGGAAACAGGAATA

Offspring

TTTTGGCAGGTTACACTGGTAGACACATGAGTG
ATTGGCTACGTTACACTGGTAGACACATGAGTA AATGGCTAGGTTACACTGGTAGACACATGAGTT
TTTTGGCAGGTTACACTGGTAGACACATGAGTG ATTGGCTACGTTACACTGGTAGACACATGAGTA
                                    GATGGCTAGGTTACACTGGTAGACACATGAGGG
AATGGCTAGGTTACACTGGTAGACACATGATTA ATTGGCTACGTTACACTGGTAGACACATGAGTA
    ATTGGCTAGGTTACACTGGTAGACACATGAGTA
  ATTGGCTAGGTTACACTGGTAGACACATGAGTA AATGGCTAGGTTACACTGGTAGACACATGAGTT
GATGGCTAGGTTACACTGGTAGACACATGAGGG
                              AATGGCTAGGTTACACTGGTAGACACATGATTA
ATTGGCTAGGTTACACTGGTAGACACATGAGTA
                            ATTGGCTAGGTTACACTGGTAGACACATGAGTA
                          ATTGGCTACGTTACACTGGTAGACACATGAGTG

High Tolerance Strain

Low Tolerance Strain

ATTGGCTAGGTTACACTGGTAGACACATGAGTA   TTCGACCAAGTGACGCTGATGGAAACAGGAATA

Segregants

AATGGCTAGGTTACACTGGTAGACACATGAGTT

GATGGCTAGGTTACACTGGTAGACACATGAGGG

AATGGCTAGGTTACACTGGTAGACACATGATTA

ATTGGCTAGGTTACACTGGTAGACACATGAGTA
GATGGCTAGGTTACACTGGTAGACACATGAGGG

ATTGGCTAGGTTACACTGGTAGACACATGAGTA
ATTGGCTAGGTTACACTGGTAGACACATGAGTA

High Tolerance Strain

Low Tolerance Strain

ATTGGCTAGGTTACACTGGTAGACACATGAGTA   TTCGACCAAGTGACGCTGATGGAAACAGGAATA

```
AATGG        CTGGTAG CACATGAT
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      GGTTA        TAGACA  TGAGTT
GATGG        ACACTGG         ATGAGG
      GGTTACAC
   CTAGGTT
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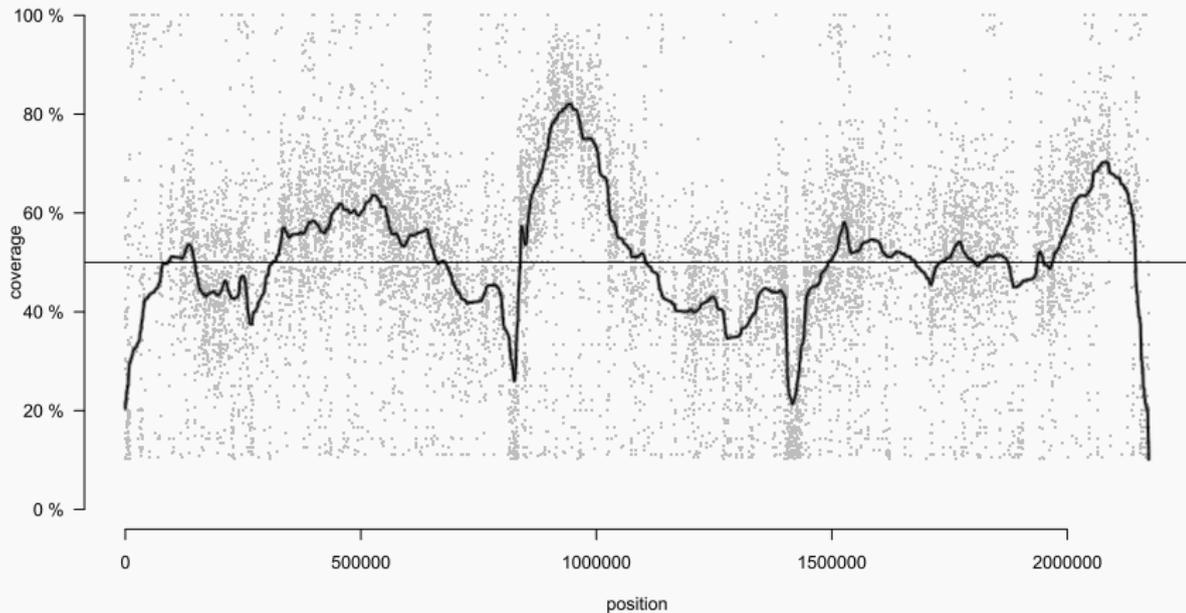
segregants are mixed and genotyped
reads are mapped against HTS genome
[and/or against LTS genome]

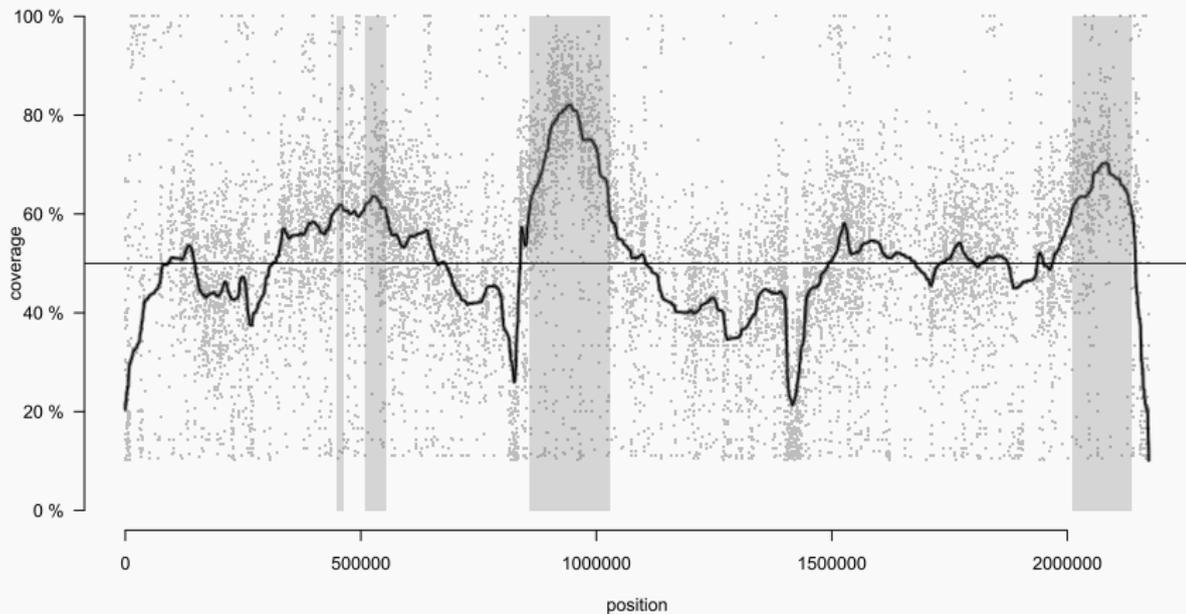SNP/indels are extracted and used as biomarkers
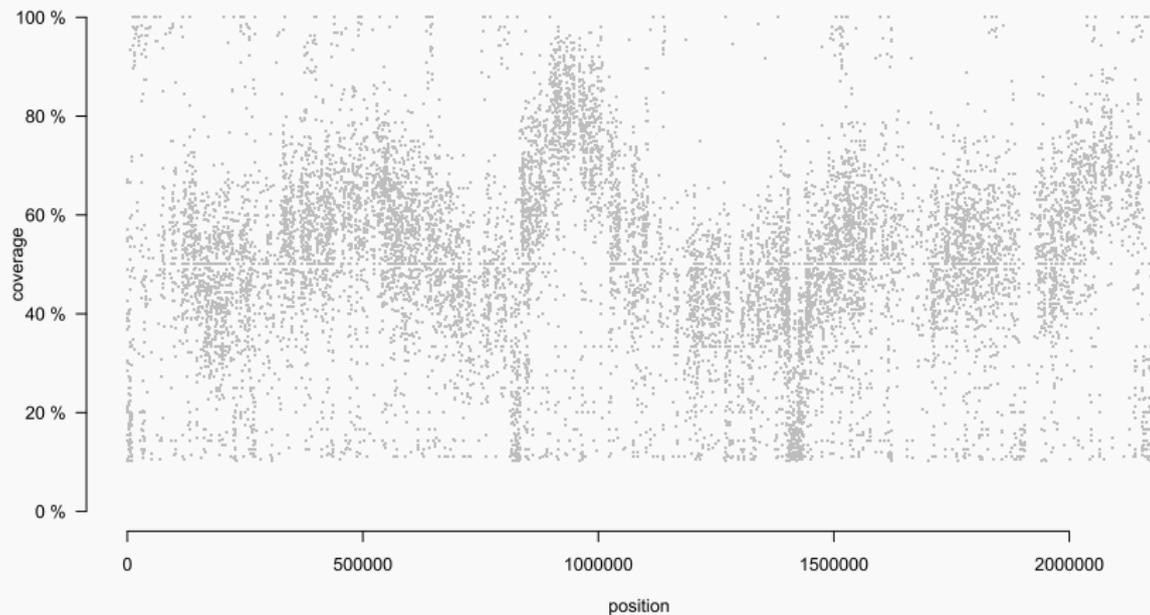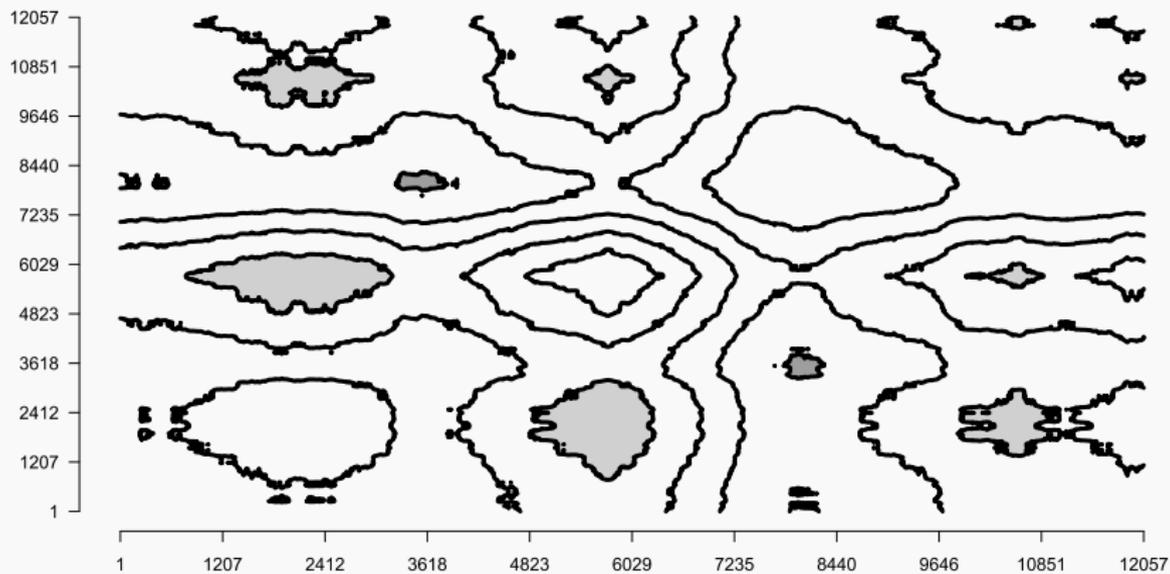
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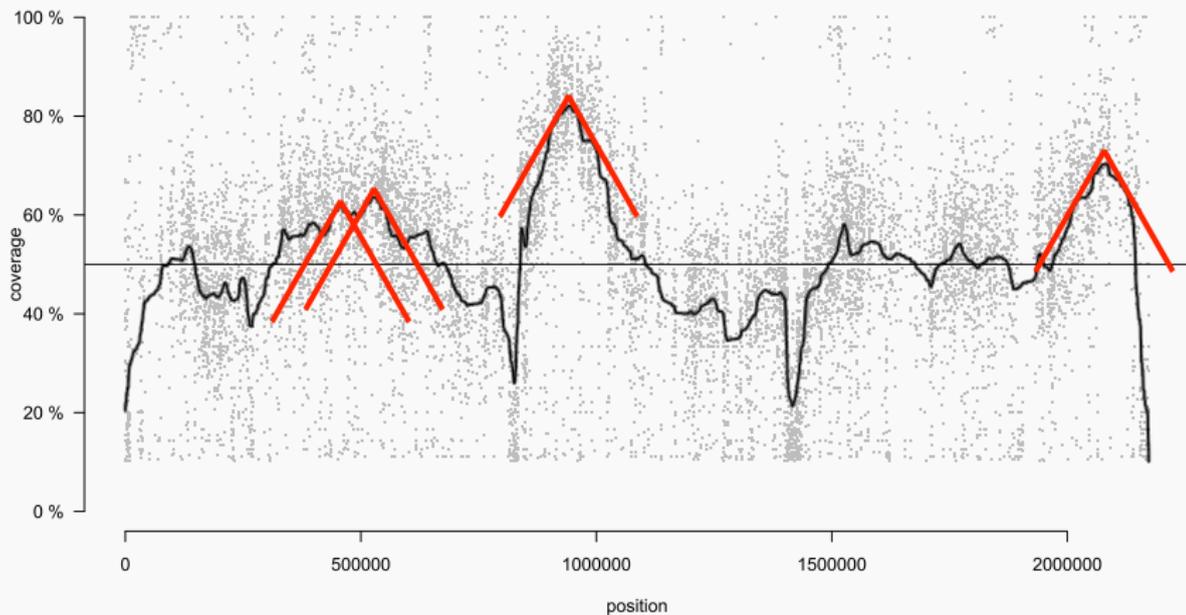
That's all!

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- Bioconductor developers (Bioconductor) ...

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