

ACP Haplotyper Results

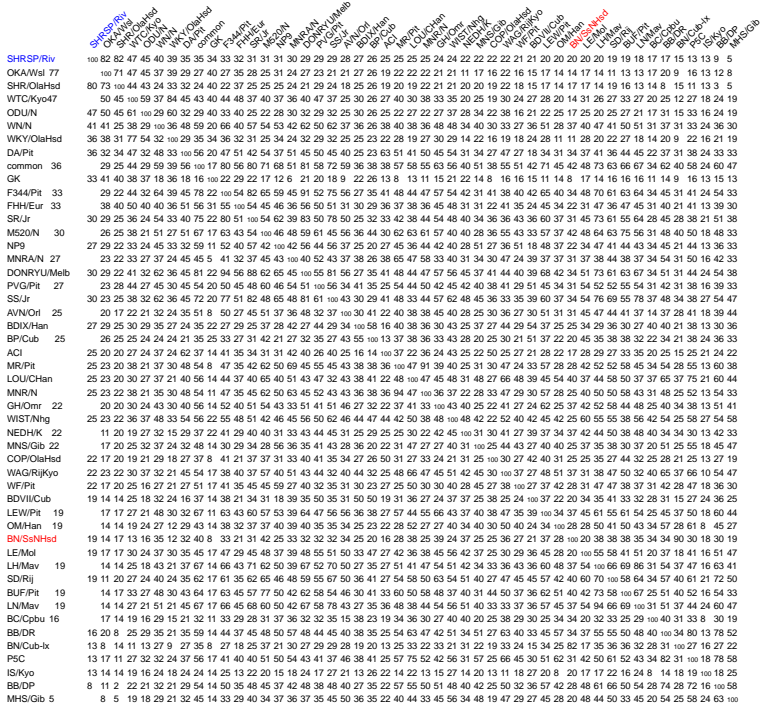
RGD ACP Haplotyper (c) Simon Twigger, 1999-2001

Parameter Data

| | | |
|------------------|-------------|-----------------------|
| chromosome | number = 20 | |
| map | | type = rh |
| map | | name = MCW RH v2.1 |
| primary_strain | | name = SHRSP/Riv |
| secondary_strain | | name = BN/SsNHsd |
| lod_threshold | value = 0 | |
| bp_range | | value = 0 |
| display | | table_yn = No |
| display | | data_yn = No |
| display | | font_size = twelve |
| display | | homology_yn = No |
| display | | order = by_percentage |
| display | | color_scheme = normal |
| homology | | window_size = 10 |
| homology | | slide_inc = 5 |

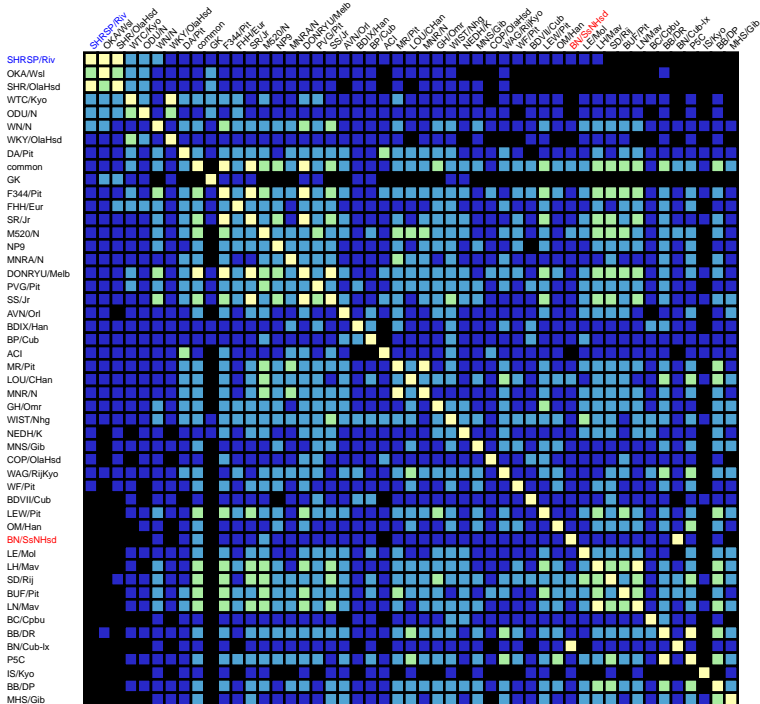
Parameters for this ACP Haplotyper
result document showing strain selection,
map selection, analysis thresholds, etc.

Strain % Identities over displayed region [from 0.0 to the end]



Interstrain identity percentage matrix showing the relatedness of each strain to every other strain across the region of interest.

% Identity chromogram over displayed region [from 0.0 to the end]



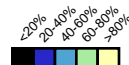
Interstrain identity chromogram matrix showing the relatedness of each strain to every other strain across the region of interest. The percentage scores shown in the table above are colored using the scale shown below to highlight the different relationships between strains.

ACP Haplotyper analysis of Chr: 20 at Fri Nov 22 22:50:11 2002

Primary Strain: SHRSP/Riv Secondary Strain: BN/SsNHsd

LOD Threshold: 0, BP Range: 0

Strain ID % Scale:



Number of unique allele sizes

Primary & Secondary strain % graph

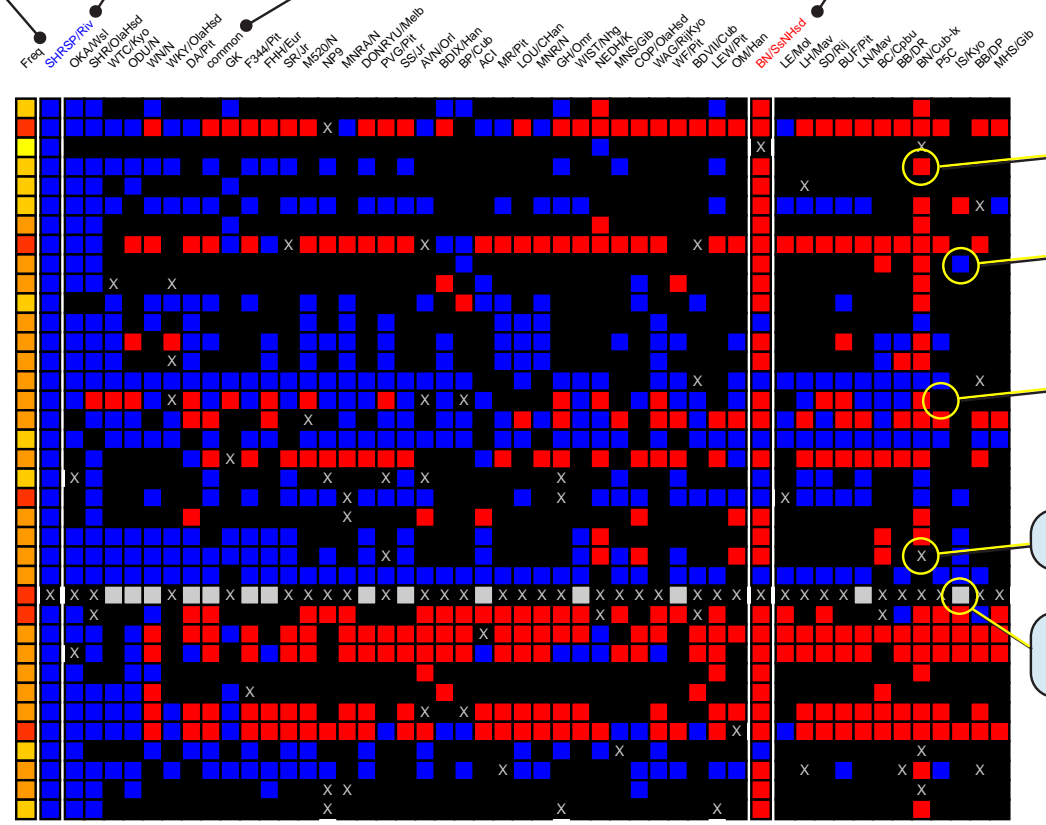
Primary Strain
SHRSP/Riv

Common 'Strain' - most common allele size for each marker

Secondary Strain
BN/SsNHsd

Framework Marker

| MARKER | LOD Dist |
|----------|----------|
| D20Rat46 | 10 11.6 |
| D2Mgh3 | 10 42.5 |
| D20Mgh3 | 10 45.1 |
| D20Rat41 | 10 74.2 |
| D20Rat32 | 10 82.1 |
| D20Rat48 | 10 96.6 |
| D20Mgh4 | 10 97.1 |
| D20Rat49 | 10 112.8 |
| D20Mgh5 | 10 128.5 |
| D20Rat2 | 10 134.1 |
| D20Rat31 | 10 147.9 |
| D20Rat59 | 10 152.3 |
| D20Rat4 | 10 161.9 |
| D20Rat3 | 10 166.7 |
| D20Arb4 | 10 189 |
| D20Rat33 | 10 215.8 |
| D20Rat5 | 10 258.6 |
| D20Rat23 | 10 260.5 |
| D20Rat22 | 10 333.2 |
| D20Rat43 | 10 337.7 |
| D4Rat71 | 10 341.1 |
| D20Rat9 | 10 368.1 |
| D20Rat10 | 10 380.1 |
| D20Rat40 | 10 385.6 |
| D20Rat53 | 10 406.3 |
| D20Rat52 | 10 413.5 |
| D20Rat11 | 10 452.3 |
| D20Rat38 | 10 499.4 |
| D20Rat55 | 10 505.7 |
| D20Rat39 | 10 523.1 |
| D20Rat54 | 10 531.7 |
| D20Rat19 | 10 552.2 |
| D20Rat24 | 10 555.5 |
| D20Rat16 | 10 568 |
| D20Mit1 | 10 603.7 |
| D20Rat29 | 10 605.6 |
| D20Mgh1 | 10 636.5 |



Allele size different from Primary but matches secondary strain

Allele size different from Secondary but matches primary strain

Allele size different from both primary and secondary strains

No data available -failed PCR or gel, etc.

No primary strain size available as reference, hence unable to assign color.

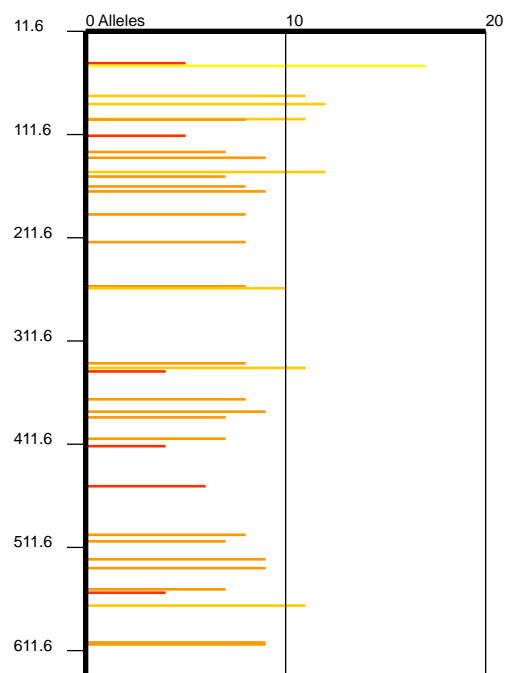
Haplotyper run summary

ACP Haplotyper analysis of Chr: 20 at Fri Nov 22 22:50:11 2002
Primary Strain: **SHRSP/Riv** Secondary Strain: **BN/SsNHsd**
LOD Threshold: 0, BP Range: 0

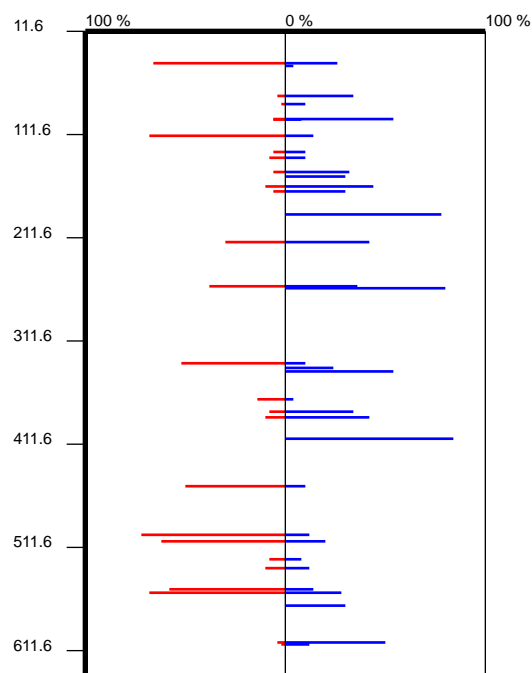
Allele Frequency Scale:



Allele frequency scale color scheme



Marker allele number plotted using actual map locations. This allows you to see the actual distribution of the markers across the chromosome. Collections of markers with multiple alleles might be indicative of 'hot spots' for polymorphism.



Percent identity plotted using actual map locations. Colors correspond to Primary and secondary colors in the visual haplotype diagram. Allows visualization of marker distribution across the chromosome and detection of marker clusters or areas of low marker coverage.

