

R/qlt2 Workshop

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Why R/qtl2?

- High-dimensional data
genotypes and phenotypes
- More diverse crosses
especially multi-parent populations
- Linear mixed models
especially in DO/HS/AIL

R/qtl → R/qtl2

- See kbroman.org/qtl2/assets/vignettes/rqtl_diff.html
- New data file formats
- New data structures
- Split into multiple packages

`qtl2geno, qtl2scan, qtl2plot, qtl2convert`

- New function names

`read.cross()` → `read_cross2()`

`calc.genoprob()` → `calc_genoprob()`

`scanone()` → `scan1()`

- Different treatment of intermediate calculations
- Use of individual IDs for aligning data
- Order of args when subsetting cross objects

`cross[chr,ind]` → `cross2[ind,chr]`