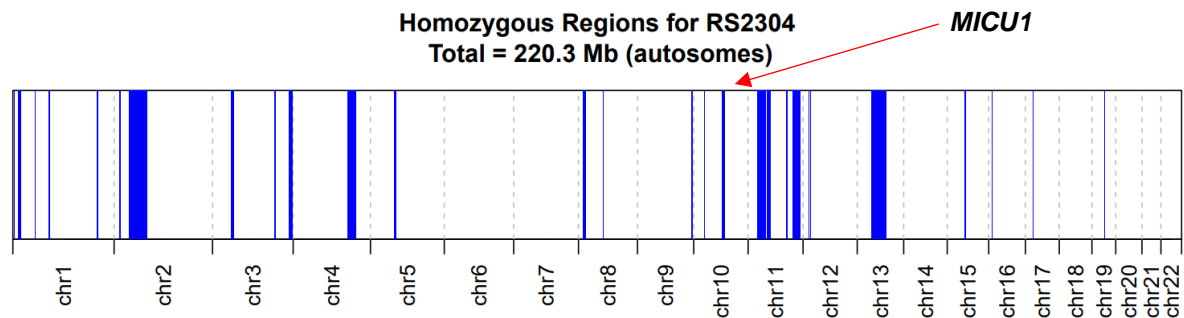


## RS2304 (HG38) AutoMap



### RS2304.HomRegions.tsv

| #Chr  | Begin     | End     | Size(Mb)  | Nb_variants | Percentage_homozygosity |
|-------|-----------|---------|-----------|-------------|-------------------------|
| chr1  | 3690968   | 4774360 | 1.0855    | 98.18       |                         |
| chr1  | 13779899  |         | 16535637  | 2.76171     | 98.83                   |
| chr1  | 16759217  |         | 18839749  | 2.0867      | 98.51                   |
| chr1  | 55008803  |         | 56737199  | 1.7338      | 94.74                   |
| chr1  | 89381885  |         | 91515092  | 2.1338      | 92.11                   |
| chr1  | 205933114 |         | 209430651 | 3.5088      | 100.00                  |
| chr2  | 11804620  |         | 15595295  | 3.7933      | 93.94                   |
| chr2  | 37032497  |         | 81196232  | 44.16590    | 96.95                   |
| chr3  | 45984767  |         | 49688477  | 3.70156     | 98.72                   |
| chr3  | 49688637  |         | 51896834  | 2.2181      | 100.00                  |
| chr3  | 151388204 |         | 154300901 | 2.9129      | 93.10                   |
| chr3  | 188609673 |         | 195685745 | 7.08164     | 96.34                   |
| chr3  | 195996863 |         | 197623301 | 1.6358      | 100.00                  |
| chr4  | 134200446 |         | 143880369 | 9.6873      | 94.52                   |
| chr4  | 143880576 |         | 154604818 | 10.72138    | 97.83                   |
| chr5  | 58460109  |         | 63301972  | 4.8436      | 91.67                   |
| chr8  | 10612307  |         | 11802542  | 1.1959      | 91.53                   |
| chr8  | 12659852  |         | 17197739  | 4.5458      | 96.55                   |
| chr8  | 60838301  |         | 62249053  | 1.4134      | 91.18                   |
| chr9  | 131737578 |         | 133061861 | 1.3258      | 96.55                   |
| chr9  | 133205809 |         | 135344185 | 2.14123     | 99.19                   |
| chr10 | 26176863  |         | 27288639  | 1.1136      | 97.22                   |
| chr10 | 69407363  |         | 77018976  | 7.61263     | 98.10                   |
| chr11 | 22377284  |         | 42238181  | 19.86210    | 98.10                   |
| chr11 | 45927650  |         | 55265797  | 9.34219     | 95.43                   |
| chr11 | 93415257  |         | 95775873  | 2.3655      | 100.00                  |
| chr11 | 110152903 |         | 124383204 | 14.23419    | 99.05                   |
| chr11 | 124383274 |         | 128969261 | 4.59125     | 97.60                   |
| chr12 | 13002405  |         | 14688192  | 1.6927      | 88.89                   |
| chr12 | 18424803  |         | 19514602  | 1.0929      | 89.66                   |
| chr13 | 34044854  |         | 70924206  | 36.88335    | 100.00                  |
| chr15 | 41989592  |         | 44710916  | 2.7293      | 88.17                   |
| chr16 | 7709134   | 8746097 | 1.0431    | 96.77       |                         |
| chr17 | 19041994  |         | 20503841  | 1.4658      | 91.38                   |
| chr19 | 31279103  |         | 32995916  | 1.7238      | 94.74                   |

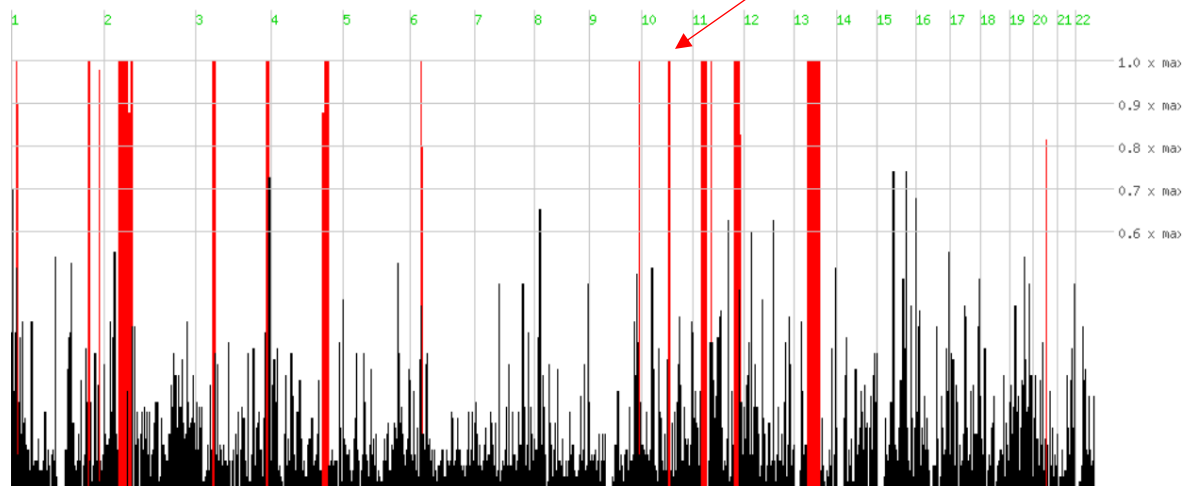
## INFO: 220.3 Mb are in Homozygous Regions (autosomal chromosomes)

## AutoMap v1.0 used for analysis

# RS2304 Homozygosity Mapper

Genome-wide homozygosity in RS2304 - **RS2304**

**MICU1**

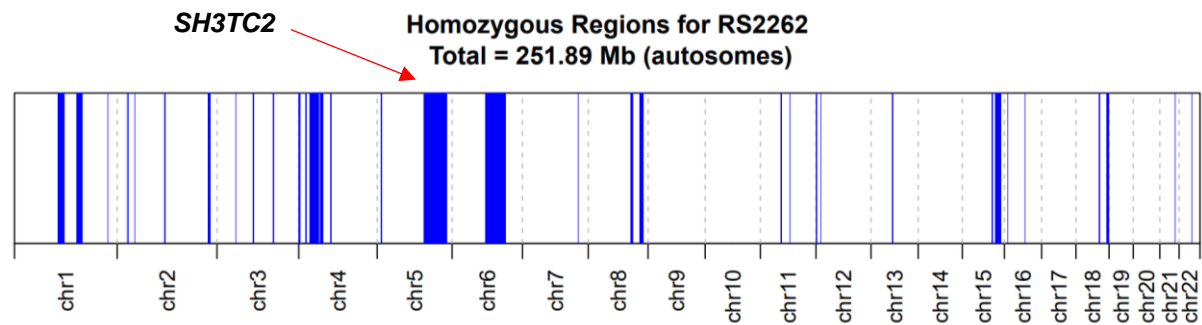


score chr from (bp) to (bp) from SNP to SNP build 37

**broad** - use this when you expect some genetic heterogeneity

|    |    |           |           |     |     |                        |                           |
|----|----|-----------|-----------|-----|-----|------------------------|---------------------------|
| 80 | 1  | 13782913  | 16035421  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 205933114 | 209430651 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 2  | 38300255  | 47660952  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 2  | 48461119  | 61877525  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 2  | 70297445  | 74422789  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 3  | 45984767  | 49686351  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 3  | 49691651  | 51896834  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 3  | 188874208 | 195619082 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 143880576 | 154549686 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 6  | 29588087  | 29942825  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 9  | 133208307 | 134850071 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 10 | 70529214  | 75400084  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 11 | 22859456  | 33058205  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 11 | 33286391  | 40115993  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 11 | 47734000  | 49186715  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 11 | 110164576 | 117136597 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 11 | 117136620 | 124224922 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 13 | 33835466  | 39724485  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 13 | 39724486  | 70924206  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 78 | 1  | 236484250 | 236735742 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 72 | 1  | 16948842  | 18736149  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 70 | 2  | 64104681  | 69399210  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 70 | 4  | 136355734 | 143880350 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 66 | 11 | 125620870 | 126473292 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 65 | 20 | 35466317  | 35869591  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 64 | 6  | 33009538  | 33211912  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |

## RS2262 (HG38) AutoMap



### RS2262.HomRegions.tsv

| #Chr  | Begin     | End       | Size(Mb) | Nb_variants | Percentage_homozygosity |
|-------|-----------|-----------|----------|-------------|-------------------------|
| chr1  | 104891386 | 120449388 | 15.56    | 309         | 97.09                   |
| chr1  | 149929093 | 151895084 | 1.97     | 120         | 99.17                   |
| chr1  | 153816674 | 165206137 | 11.39    | 507         | 98.03                   |
| chr1  | 226301125 | 227493191 | 1.19     | 38          | 94.74                   |
| chr2  | 23639016  | 24729843  | 1.09     | 32          | 96.87                   |
| chr2  | 27377372  | 28618566  | 1.24     | 48          | 93.75                   |
| chr2  | 42055492  | 43397939  | 1.34     | 26          | 96.15                   |
| chr2  | 113641568 | 116842351 | 3.20     | 26          | 88.46                   |
| chr2  | 219641928 | 225651713 | 6.01     | 58          | 96.55                   |
| chr3  | 45225829  | 46532766  | 1.31     | 56          | 96.43                   |
| chr3  | 86051159  | 88950800  | 2.90     | 32          | 96.87                   |
| chr3  | 135249598 | 138124176 | 2.87     | 37          | 97.30                   |
| chr4  | 60442     | 3768062   | 3.71     | 214         | 96.73                   |
| chr4  | 16512125  | 18817262  | 2.31     | 40          | 90.00                   |
| chr4  | 25914204  | 49242839  | 23.33    | 231         | 96.54                   |
| chr4  | 51029884  | 59117979  | 8.09     | 100         | 100.00                  |
| chr4  | 77075642  | 79408189  | 2.33     | 53          | 92.45                   |
| chr5  | 9190486   | 11110839  | 1.92     | 41          | 90.24                   |
| chr5  | 112420412 | 168149508 | 55.73    | 931         | 98.71                   |
| chr6  | 80203029  | 110858764 | 30.66    | 279         | 99.28                   |
| chr6  | 110858798 | 130827597 | 19.97    | 222         | 99.10                   |
| chr7  | 134579534 | 135681828 | 1.10     | 46          | 97.83                   |
| chr8  | 103372760 | 109289818 | 5.92     | 28          | 100.00                  |
| chr8  | 125357656 | 134475764 | 9.12     | 87          | 97.70                   |
| chr11 | 49124286  | 51422246  | 2.30     | 58          | 89.66                   |
| chr11 | 70433660  | 71538486  | 1.10     | 46          | 89.13                   |
| chr12 | 14838     | 3278531   | 3.26     | 120         | 100.00                  |
| chr12 | 11049329  | 12717761  | 1.67     | 69          | 89.86                   |
| chr13 | 51029632  | 52712888  | 1.68     | 54          | 88.89                   |
| chr15 | 71112406  | 73253373  | 2.14     | 43          | 90.70                   |
| chr15 | 80597358  | 82343155  | 1.75     | 37          | 97.30                   |
| chr15 | 82463033  | 92992967  | 10.53    | 293         | 96.25                   |
| chr16 | 7607430   | 8735858   | 1.13     | 39          | 94.87                   |
| chr16 | 49280926  | 50301239  | 1.02     | 30          | 93.33                   |
| chr18 | 55588156  | 58019025  | 2.43     | 49          | 91.84                   |
| chr18 | 74156381  | 80169229  | 6.01     | 92          | 100.00                  |
| chr21 | 37008356  | 38575773  | 1.57     | 48          | 89.58                   |
| chr22 | 30664042  | 31703618  | 1.04     | 46          | 97.83                   |

## INFO: 251.89 Mb are in Homozygous Regions (autosomal chromosomes)

## AutoMap v1.0 used for analysis

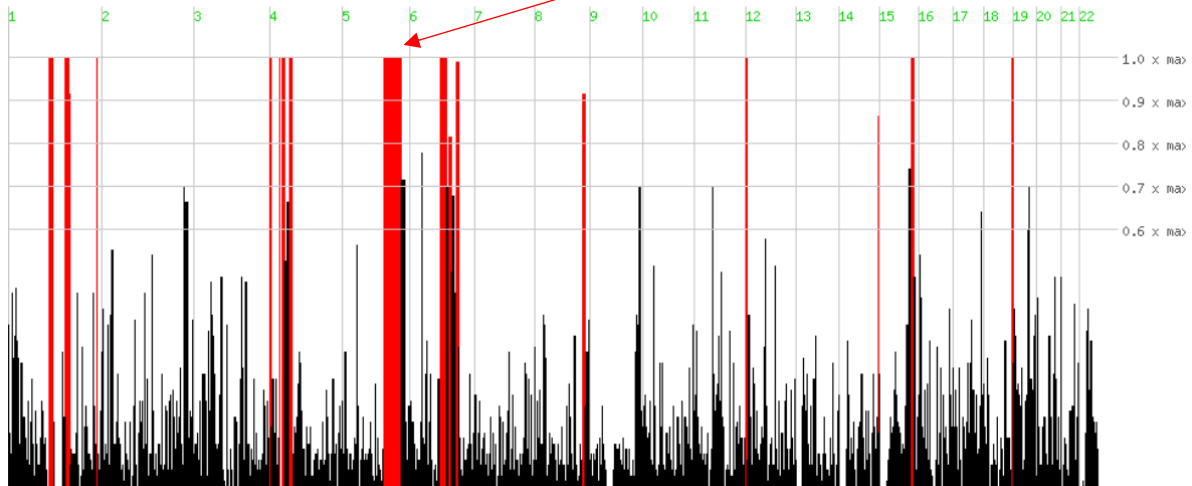
## Variant filtering parameters used: DP=8, percaltlow=.25, percalthigh=.75, binomial=.000001, maxgap=10

## Other parameters used: window=7, windowthres=5, minsize=1, minvar=25, minperc=88, chrX=No, extend=1

# RS2262 Homozygosity Mapper

Genome-wide homozygosity in RS2262 - **RS2262**

**SH3TC2**



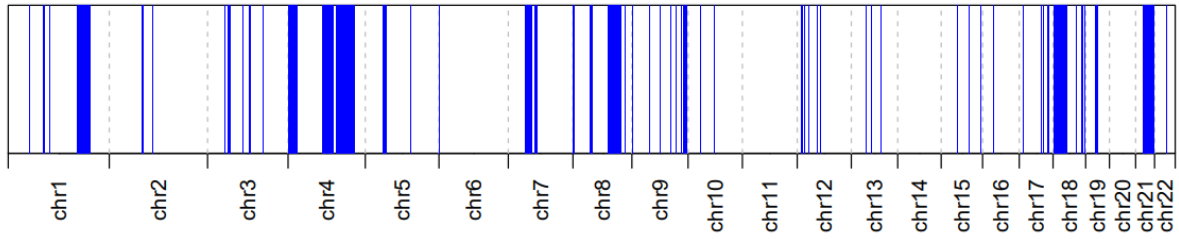
score chr from (bp) to (bp) from SNP to SNP build 37

*broad - use this when you expect some genetic heterogeneity*

|    |    |           |           |     |     |                        |                           |
|----|----|-----------|-----------|-----|-----|------------------------|---------------------------|
| 80 | 1  | 105893150 | 111697416 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 111762784 | 120157112 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 149929093 | 151895084 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 155754524 | 161548369 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 236427359 | 236795232 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 60442     | 3768062   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 25914204  | 39214773  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 52085047  | 61732971  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 5  | 112420412 | 134319338 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 5  | 134608353 | 140648036 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 5  | 141655225 | 150061432 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 5  | 150117548 | 157667763 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 6  | 80203029  | 96799933  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 12 | 552292    | 3278531   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 15 | 84186916  | 90282036  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 18 | 74147887  | 80177972  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 79 | 6  | 121654311 | 129157766 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 75 | 1  | 153995011 | 155731264 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 73 | 1  | 161548828 | 164357216 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 73 | 8  | 125436603 | 132972576 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 69 | 14 | 104889903 | 104950904 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 65 | 6  | 104852228 | 109448097 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |

## RS2297 (HG38) AutoMap

Homozygous Regions for RS2297  
Total = 352.54 Mb (autosomes)



RS2297 HomRegions.tsv

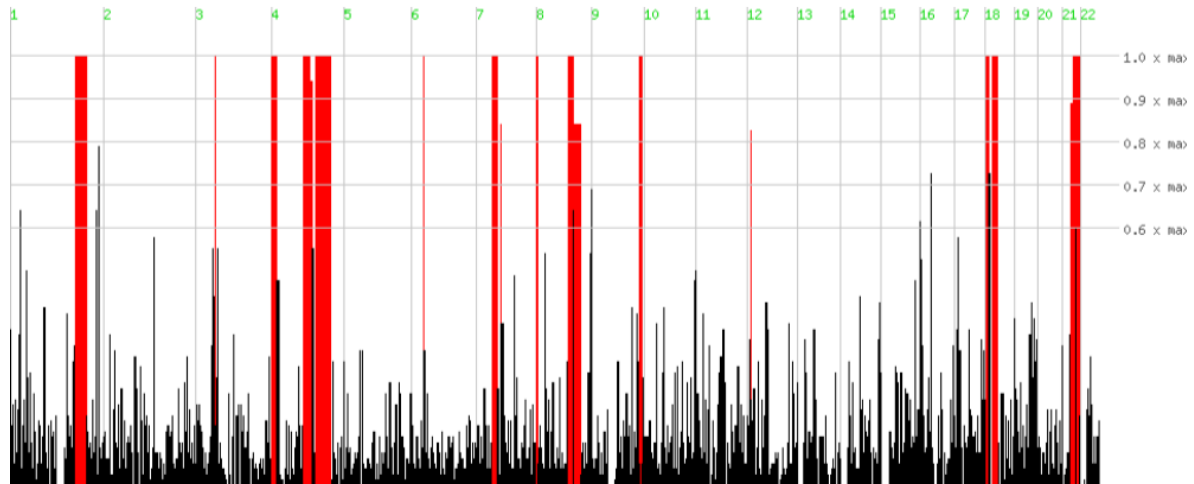
| #Chr  | Begin     | End      | Size(Mb)  | Nb_variants |       | Percentage_homozygosity |
|-------|-----------|----------|-----------|-------------|-------|-------------------------|
| chr1  | 52688244  |          | 53793207  | 1.10        | 27    | 88.89                   |
| chr1  | 86635966  |          | 88983595  | 2.35        | 14    | 92.86                   |
| chr1  | 89195545  |          | 91328534  | 2.13        | 40    | 92.50                   |
| chr1  | 101996890 |          | 104073253 | 2.08        | 15    | 100.00                  |
| chr1  | 171016428 |          | 202733925 | 31.72       | 481   | 99.17                   |
| chr2  | 79687413  |          | 84688599  | 5.00        | 29    | 89.66                   |
| chr2  | 106491111 |          | 108002058 | 1.51        | 22    | 95.45                   |
| chr3  | 42751848  |          | 45146179  | 2.39        | 65    | 90.77                   |
| chr3  | 50351176  |          | 53064759  | 2.71        | 172   | 94.77                   |
| chr3  | 56002997  |          | 57352120  | 1.35        | 44    | 93.18                   |
| chr3  | 87227549  |          | 88317201  | 1.09        | 24    | 91.67                   |
| chr3  | 100898785 |          | 105547430 | 4.65        | 35    | 91.43                   |
| chr3  | 136982453 |          | 138306294 | 1.32        | 27    | 92.59                   |
| chr4  | 60478     | 8981454  | 8.92 511  | 99.80       |       |                         |
| chr4  | 8981834   | 22414572 | 13.43     | 139         | 97.12 |                         |
| chr4  | 83462582  |          | 102901141 | 19.44       | 181   | 96.69                   |
| chr4  | 102911530 |          | 112356901 | 9.45        | 124   | 97.58                   |
| chr4  | 119164293 |          | 165482422 | 46.32       | 390   | 96.15                   |
| chr5  | 43294090  |          | 53042078  | 9.75        | 38    | 92.11                   |
| chr5  | 110739266 |          | 112160901 | 1.42        | 14    | 100.00                  |
| chr6  | 1515139   | 2890049  | 1.37 12   | 100.00      |       |                         |
| chr7  | 41025253  |          | 56813468  | 15.79       | 301   | 99.34                   |
| chr7  | 63580858  |          | 71300517  | 7.72        | 113   | 94.69                   |
| chr8  | 213226    | 3128982  | 2.92 94   | 100.00      |       |                         |
| chr8  | 41728059  |          | 47673299  | 5.95        | 27    | 88.89                   |
| chr8  | 85644048  |          | 117171312 | 31.53       | 205   | 99.02                   |
| chr8  | 128748528 |          | 130116875 | 1.37        | 11    | 90.91                   |
| chr9  | 52625     | 2028942  | 1.98 57   | 100.00      |       |                         |
| chr9  | 41964752  |          | 43111057  | 1.15        | 26    | 92.31                   |
| chr9  | 69517283  |          | 70625419  | 1.11        | 24    | 95.83                   |
| chr9  | 96298330  |          | 97562611  | 1.26        | 19    | 89.47                   |
| chr9  | 107170286 |          | 109534123 | 2.36        | 39    | 92.31                   |
| chr9  | 120721954 |          | 122120195 | 1.40        | 43    | 90.70                   |
| chr9  | 127693412 |          | 128803275 | 1.11        | 123   | 90.24                   |
| chr9  | 129001735 |          | 133208251 | 4.21        | 277   | 98.56                   |
| chr9  | 133228570 |          | 134727349 | 1.50        | 87    | 100.00                  |
| chr10 | 30689359  |          | 32188645  | 1.50        | 41    | 97.56                   |
| chr10 | 62818490  |          | 64826405  | 2.01        | 13    | 92.31                   |
| chr12 | 9997058   | 11021683 | 1.02      | 98          | 90.82 |                         |
| chr12 | 13675725  |          | 14771094  | 1.10        | 18    | 88.89                   |
| chr12 | 18693759  |          | 19942516  | 1.25        | 13    | 100.00                  |
| chr12 | 28259462  |          | 29516529  | 1.26        | 26    | 92.31                   |
| chr12 | 49896945  |          | 50930274  | 1.03        | 52    | 90.38                   |
| chr12 | 57108399  |          | 59719948  | 2.61        | 84    | 90.48                   |
| chr13 | 36433370  |          | 37564593  | 1.13        | 11    | 90.91                   |
| chr13 | 49534116  |          | 50823304  | 1.29        | 19    | 94.74                   |
| chr13 | 73062667  |          | 75286865  | 2.22        | 16    | 93.75                   |
| chr15 | 37966571  |          | 39741945  | 1.78        | 21    | 95.24                   |
| chr15 | 69023863  |          | 70051219  | 1.03        | 19    | 94.74                   |
| chr15 | 96960870  |          | 99105607  | 2.14        | 19    | 89.47                   |
| chr16 | 24947664  |          | 27257702  | 2.31        | 22    | 90.91                   |
| chr17 | 10547499  |          | 11747740  | 1.20        | 54    | 90.74                   |
| chr17 | 53757374  |          | 54949462  | 1.19        | 13    | 92.31                   |
| chr17 | 60060120  |          | 61480239  | 1.42        | 12    | 91.67                   |
| chr17 | 69526778  |          | 73285213  | 3.76        | 37    | 89.19                   |
| chr18 | 2729179   | 3742572  | 1.01 39   | 89.74       |       |                         |
| chr18 | 5133200   | 34744970 | 29.61     | 395         | 97.47 |                         |
| chr18 | 55510543  |          | 57147836  | 1.64        | 17    | 88.24                   |
| chr18 | 69873132  |          | 72543546  | 2.67        | 27    | 92.59                   |
| chr18 | 77250491  |          | 79461207  | 2.21        | 13    | 92.31                   |
| chr19 | 23362714  |          | 28791558  | 5.43        | 38    | 89.47                   |
| chr21 | 18134262  |          | 44935616  | 26.80       | 638   | 98.59                   |
| chr22 | 28030140  |          | 29094509  | 1.06        | 12    | 91.67                   |

## INFO: 352.54 Mb are in Homozygous Regions (autosomal chromosomes)

## AutoMap v1.0 used for analysis

# RS2297 Homozygosity Mapper

## Genome-wide homozygosity in RS2297 - *RS2297*



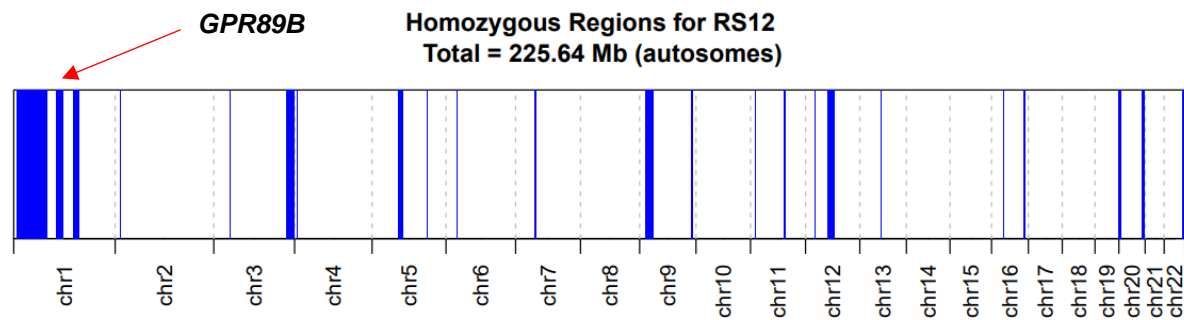
score chr from (bp) to (bp) from SNP to SNP build 37

*broad - use this when you expect some genetic heterogeneity*

|    |    |           |           |     |     |                        |                           |
|----|----|-----------|-----------|-----|-----|------------------------|---------------------------|
| 80 | 1  | 175330342 | 186388391 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 186399206 | 201209630 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 201209954 | 202733925 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 3  | 50351176  | 52834652  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 59576     | 1804285   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 1807400   | 3445057   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 3445065   | 8981422   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 9248704   | 15987567  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 86103075  | 102901141 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 119410031 | 143880509 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 4  | 143880576 | 161385908 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 6  | 31029892  | 31377994  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 6  | 32584435  | 32741569  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 7  | 40860576  | 44800398  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 7  | 44801186  | 48925545  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 7  | 48925839  | 56813468  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 8  | 213225    | 3128982   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 8  | 85655705  | 96784886  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 9  | 127824409 | 128716597 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 9  | 129049809 | 133205798 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 9  | 133228570 | 134727349 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 18 | 5133200   | 11610333  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 18 | 20954741  | 34828936  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 21 | 29553539  | 36387820  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 21 | 39127824  | 44573942  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 75 | 4  | 102911530 | 109347459 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 71 | 21 | 21418616  | 29321645  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 70 | 21 | 44573974  | 44934070  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 67 | 7  | 63635854  | 65200707  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 67 | 8  | 100709671 | 117171312 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 66 | 12 | 10218164  | 11021614  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |



## RS12 (HG19) AutoMap



### RS12 HomRegions.tsv

| #Chr  | Begin     | End      | Size(Mb)  | Nb_variants |       | Percentage_homozygosity |
|-------|-----------|----------|-----------|-------------|-------|-------------------------|
| chr1  | 6418882   | 12907282 | 6.49      | 105         | 95.24 |                         |
| chr1  | 13696047  |          | 16385131  | 2.69        | 88    | 100.00                  |
| chr1  | 17273493  |          | 82432184  | 65.16       | 766   | 98.69                   |
| chr1  | 104068860 |          | 120539331 | 16.47       | 169   | 98.22                   |
| chr1  | 145456732 |          | 152277210 | 6.82        | 119   | 93.28                   |
| chr1  | 152749045 |          | 159802627 | 7.05        | 217   | 100.00                  |
| chr2  | 10566804  |          | 12864766  | 2.30        | 40    | 100.00                  |
| chr3  | 38524742  |          | 40351484  | 1.83        | 30    | 90.00                   |
| chr3  | 179143941 |          | 197765432 | 18.62       | 229   | 93.89                   |
| chr4  | 6374468   | 8608634  | 2.23      | 63          | 96.83 |                         |
| chr5  | 65108215  |          | 77425099  | 12.32       | 107   | 91.59                   |
| chr5  | 135287029 |          | 137781016 | 2.49        | 29    | 93.10                   |
| chr6  | 26638503  |          | 28542424  | 1.90        | 26    | 92.31                   |
| chr7  | 47342857  |          | 52153027  | 4.81        | 70    | 94.29                   |
| chr9  | 12708958  |          | 33344058  | 20.64       | 98    | 91.84                   |
| chr9  | 127982775 |          | 131689361 | 3.71        | 94    | 88.30                   |
| chr11 | 10647702  |          | 11944265  | 1.30        | 26    | 88.46                   |
| chr11 | 82996986  |          | 86175193  | 3.18        | 27    | 96.30                   |
| chr12 | 21689882  |          | 22778701  | 1.09        | 29    | 89.66                   |
| chr12 | 54974803  |          | 56079084  | 1.10        | 28    | 89.29                   |
| chr12 | 56348028  |          | 71898358  | 15.55       | 166   | 96.39                   |
| chr13 | 51603768  |          | 53421432  | 1.82        | 31    | 90.32                   |
| chr16 | 29376400  |          | 30510571  | 1.13        | 29    | 93.10                   |
| chr16 | 77910418  |          | 81241100  | 3.33        | 51    | 88.24                   |
| chr19 | 56549532  |          | 59074653  | 2.53        | 128   | 99.22                   |
| chr20 | 428767    | 5169877  | 4.74      | 99          | 97.98 |                         |
| chr20 | 56190634  |          | 62903550  | 6.71        | 181   | 98.34                   |
| chr22 | 43555194  |          | 51183255  | 7.63        | 186   | 98.92                   |

## INFO: 225.64 Mb are in Homozygous Regions (autosomal chromosomes)

## AutoMap v1.0 used for analysis

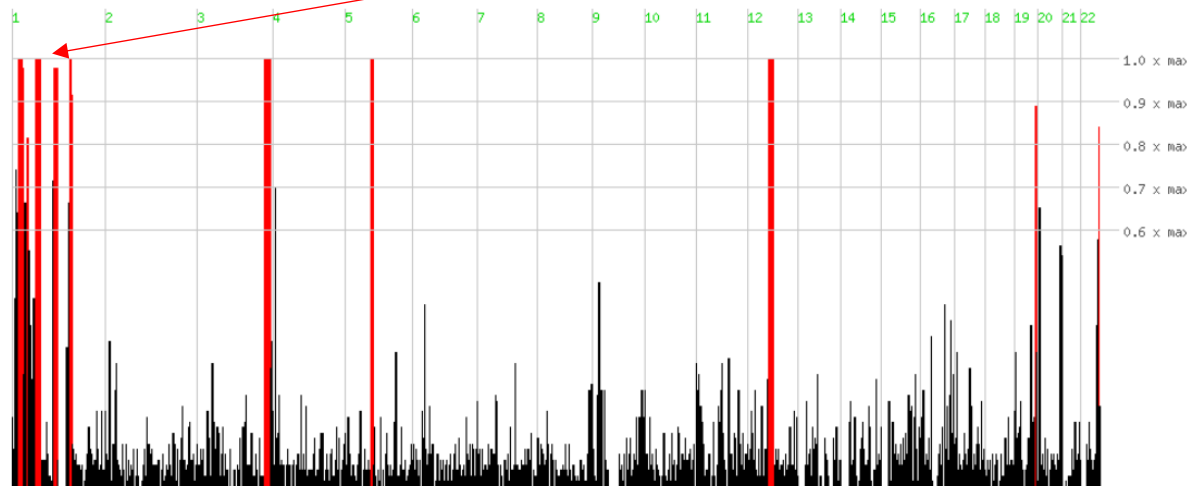
## Variant filtering parameters used: DP=8, percaltlow=.25, percalthigh=.75, binomial=.000001, maxgap=10

## Other parameters used: window=7, windowthres=5, minsize=1, minvar=25, minperc=88, chrX=No, extend=1



# RS12 Homozygosity Mapper

Genome-wide homozygosity in RS12 - **RS12** **GPR89B**

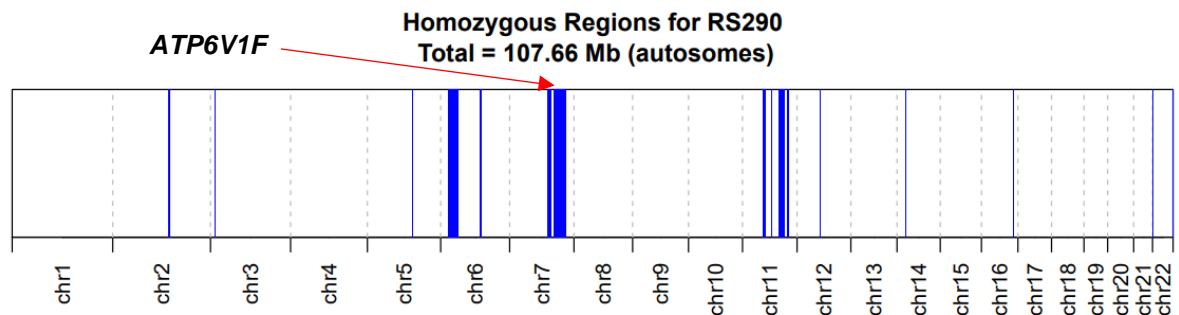


score chr from (bp) to (bp) from SNP to SNP build 37

*broad - use this when you expect some genetic heterogeneity*

|    |    |           |           |     |     |                        |                           |
|----|----|-----------|-----------|-----|-----|------------------------|---------------------------|
| 80 | 1  | 17320118  | 21896887  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 22329063  | 26608865  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 63269580  | 78024345  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 1  | 154207635 | 156785762 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 3  | 179143941 | 195346352 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 5  | 70357186  | 76506914  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 12 | 58177379  | 71158404  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 78 | 1  | 26646730  | 32127911  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 78 | 1  | 111784962 | 120295872 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 73 | 1  | 156845492 | 159802627 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 71 | 19 | 56572832  | 58151286  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 67 | 22 | 47857576  | 50751529  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 65 | 1  | 40235489  | 43779724  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |

## RS290 (HG19) AutoMap



### RS290.HomRegions.tsv

| #Chr  | Begin     | End | Size(Mb)  | Nb_variants | Percentage_homozygosity |
|-------|-----------|-----|-----------|-------------|-------------------------|
| chr2  | 136407445 |     | 141457985 | 5.05 29     | 89.66                   |
| chr3  | 11064091  |     | 12571420  | 1.51 26     | 88.46                   |
| chr5  | 110448753 |     | 112676191 | 2.23 32     | 90.62                   |
| chr6  | 17675246  |     | 29910289  | 12.24 201   | 99.50                   |
| chr6  | 29913282  |     | 41533579  | 11.62 709   | 99.86                   |
| chr6  | 41903783  |     | 42933874  | 1.03 26     | 92.31                   |
| chr6  | 97626374  |     | 102312104 | 4.69 34     | 91.18                   |
| chr7  | 95221927  |     | 100547307 | 5.33 103    | 93.20                   |
| chr7  | 100678610 |     | 102147284 | 1.47 58     | 93.10                   |
| chr7  | 110629054 |     | 140218464 | 29.59 246   | 98.37                   |
| chr11 | 49829193  |     | 56143156  | 6.31 44     | 88.64                   |
| chr11 | 71238453  |     | 72296039  | 1.06 36     | 88.89                   |
| chr11 | 89819304  |     | 104971210 | 15.15 134   | 97.01                   |
| chr11 | 110453009 |     | 113114313 | 2.66 44     | 88.64                   |
| chr12 | 56559113  |     | 57627717  | 1.07 38     | 89.47                   |
| chr14 | 20010207  |     | 21215692  | 1.21 58     | 96.55                   |
| chr16 | 79246078  |     | 81211496  | 1.97 36     | 88.89                   |
| chr21 | 46321659  |     | 47978321  | 1.66 100    | 96.00                   |
| chr22 | 48942339  |     | 50750879  | 1.81 32     | 90.62                   |

## INFO: 107.66 Mb are in Homozygous Regions (autosomal chromosomes)

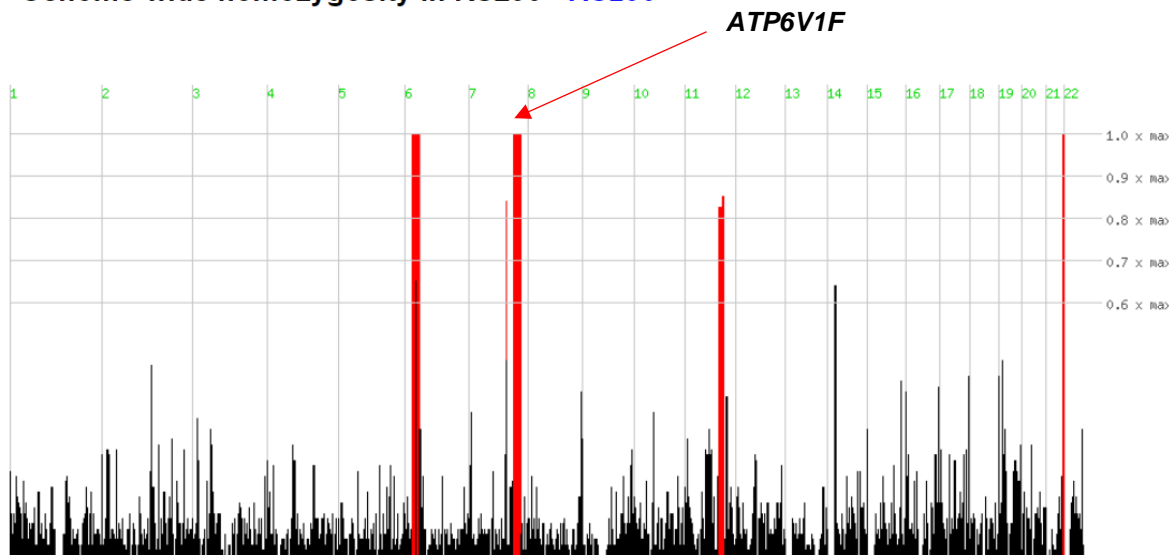
## AutoMap v1.0 used for analysis

## Variant filtering parameters used: DP=8, percaltlow=.25, percalthigh=.75, binomial=.000001, maxgap=10

## Other parameters used: window=7, windowthres=5, minsize=1, minvar=25, minperc=88, chrX=No, extend=1

# RS290 Homozygosity Mapper

Genome-wide homozygosity in RS290 - **RS290**

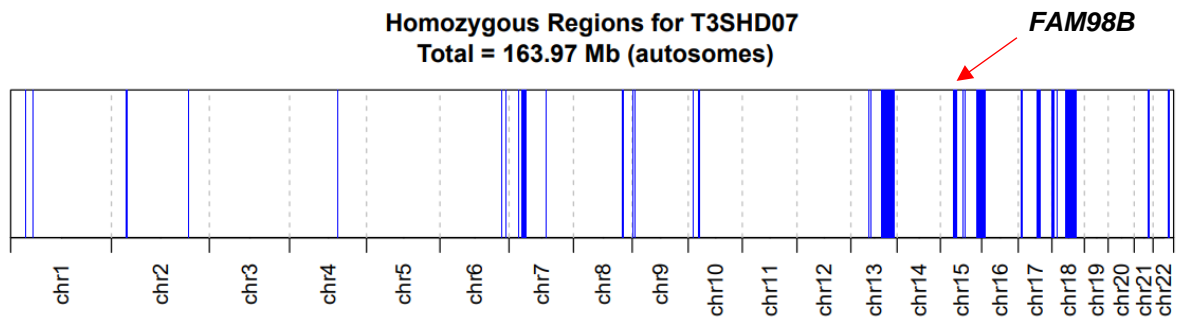


score chr from (bp) to (bp) from SNP to SNP build 37

***broad** - use this when you expect some genetic heterogeneity*

|    |    |           |           |     |     |                        |                           |
|----|----|-----------|-----------|-----|-----|------------------------|---------------------------|
| 80 | 6  | 17675246  | 29760352  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 6  | 30229076  | 31323048  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 6  | 31324210  | 32008198  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 6  | 32552081  | 38820599  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 7  | 120906759 | 130148869 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 7  | 130297119 | 140055425 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 21 | 46602483  | 47978321  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 68 | 11 | 99690428  | 104971210 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 67 | 7  | 99705771  | 100547211 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 66 | 11 | 89819304  | 99690286  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |

## T3-SHD-07 (HG38) AutoMap



### T3SHD07.HomRegions.tsv

| #Chr  | Begin     | End      | Size(Mb)  | Nb_variants | Percentage_homozygosity |
|-------|-----------|----------|-----------|-------------|-------------------------|
| chr1  | 36180210  |          | 37613845  | 1.43 28     | 89.29                   |
| chr1  | 55040188  |          | 56579217  | 1.54 29     | 93.10                   |
| chr2  | 37028663  |          | 39768768  | 2.74 50     | 94.00                   |
| chr2  | 189010147 |          | 190200027 | 1.19 36     | 88.89                   |
| chr4  | 119026891 |          | 120628904 | 1.60 43     | 97.67                   |
| chr6  | 151041806 |          | 152098960 | 1.06 32     | 93.75                   |
| chr6  | 160664235 |          | 163166234 | 2.50 27     | 88.89                   |
| chr7  | 22856612  |          | 24285140  | 1.43 42     | 100.00                  |
| chr7  | 30976403  |          | 38245048  | 7.27 136    | 98.53                   |
| chr7  | 38245375  |          | 41689845  | 3.44 43     | 95.35                   |
| chr7  | 90268389  |          | 92397873  | 2.13 39     | 89.74                   |
| chr8  | 120216440 |          | 122952191 | 2.74 26     | 96.15                   |
| chr9  | 117506    | 2123639  | 2.01 59   | 98.31       |                         |
| chr9  | 4850436   | 6554589  | 1.70 27   | 92.59       |                         |
| chr10 | 12026543  |          | 14530645  | 2.50 70     | 91.43                   |
| chr10 | 24433017  |          | 28873235  | 4.44 77     | 97.40                   |
| chr13 | 43214022  |          | 45596474  | 2.38 45     | 93.33                   |
| chr13 | 49377057  |          | 50823304  | 1.45 36     | 91.67                   |
| chr13 | 75817336  |          | 108820538 | 33.00 232   | 95.26                   |
| chr15 | 30516504  |          | 32158503  | 1.64 61     | 90.16                   |
| chr15 | 32491556  |          | 41811624  | 9.32 248    | 97.98                   |
| chr15 | 55498183  |          | 56631597  | 1.13 27     | 96.30                   |
| chr15 | 60385961  |          | 62254261  | 1.87 26     | 92.31                   |
| chr15 | 88032954  |          | 99974289  | 11.94 250   | 98.80                   |
| chr16 | 1465414   | 7676755  | 6.21 378  | 97.62       |                         |
| chr16 | 7693416   | 8779636  | 1.09 38   | 92.11       |                         |
| chr17 | 7342187   | 11632780 | 4.29      | 248 98.79   |                         |
| chr17 | 46694740  |          | 54930294  | 8.24 250    | 97.20                   |
| chr18 | 348265    | 6947144  | 6.60 87   | 96.55       |                         |
| chr18 | 12718648  |          | 14132403  | 1.41 27     | 88.89                   |
| chr18 | 32677037  |          | 59469637  | 26.79 330   | 98.18                   |
| chr21 | 32584269  |          | 36487362  | 3.90 98     | 96.94                   |
| chr22 | 36239710  |          | 39233324  | 2.99 119    | 95.80                   |

## INFO: 163.97 Mb are in Homozygous Regions (autosomal chromosomes)

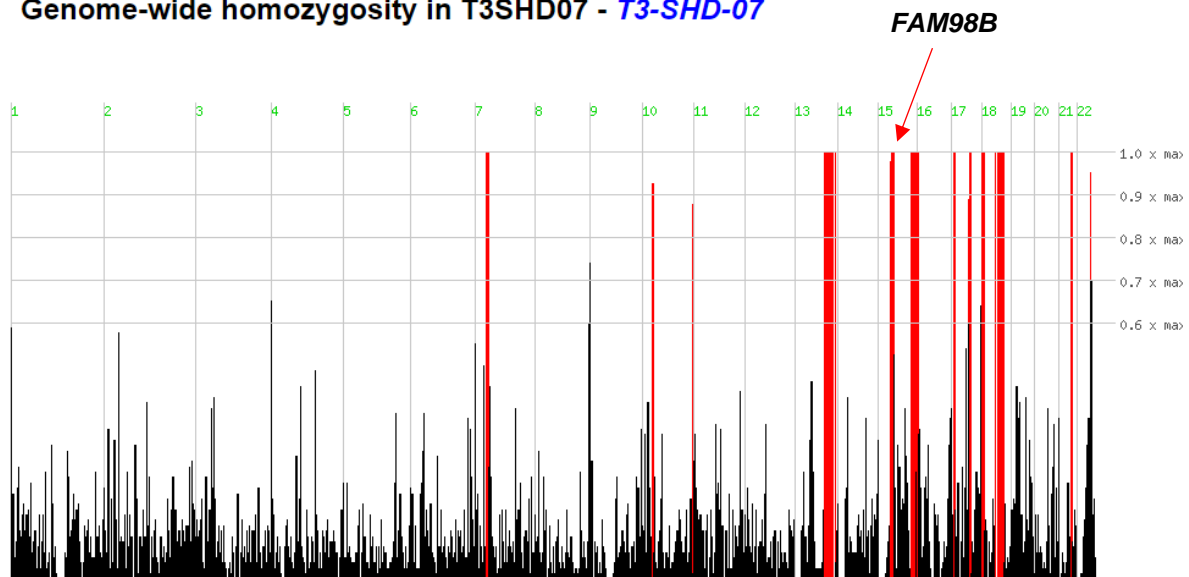
## AutoMap v1.0 used for analysis

## Variant filtering parameters used: DP=8, percaltlow=.25, percalthigh=.75, binomial=.000001, maxgap=10

## Other parameters used: window=7, windowthres=5, minsize=1, minvar=25, minperc=88, chrX=No, extend=1

# T3-SHD-07 Homozygosity Mapper

## Genome-wide homozygosity in T3SHD07 - *T3-SHD-07*



**score chr from (bp) to (bp) from SNP to SNP build 37**

***broad** - use this when you expect some genetic heterogeneity*

|    |    |           |           |     |     |                        |                           |
|----|----|-----------|-----------|-----|-----|------------------------|---------------------------|
| 80 | 7  | 31092621  | 36686871  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 13 | 79371937  | 108659427 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 15 | 34893611  | 40166370  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 15 | 88184105  | 99792594  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 16 | 1474084   | 3069019   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 16 | 3069383   | 4987497   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 17 | 7347840   | 11629398  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 17 | 50143520  | 53953552  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 18 | 346821    | 6942296   | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 18 | 34864078  | 59469637  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 80 | 21 | 32584269  | 36391463  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 78 | 15 | 32776687  | 34893609  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 76 | 22 | 36261743  | 37724034  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 74 | 10 | 24433017  | 28437096  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 71 | 17 | 46710944  | 48113563  | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |
| 70 | 10 | 133240280 | 133532307 | n/a | n/a | <a href="#">region</a> | <a href="#">genotypes</a> |