# MAPMAKER
## araba1.raw mapping work example for "group1"
## Phil McClean (February 2018)

The steps below begin after the "**prepare data**" and "**group**" commands

1. Working on **group1** from "**seq**" command
    **seq {1    3    5    7    8    9    10    15    17    21}**

2. From the "**lod**" command output, select a group of loci; this is the "art"
    **seq {1    7    8    17    21}**

3. Best order from "**compare"** is (LOD -3.38)
    **8    17    1    21    7**

4. set sequence "**seq 8 17 1 21 7**"

5. Now do 'try" with the remaining loci
    "**try 3    5    9    10    15**"

6. Place 10 between "8 17"

7. New order "**seq 8 10 17 1 21 7**"

8. Try again "**try 3 5 9 15**"

9.  All remaining loci are at the end; place the marker with the best LOD score (3 with -4.36) in the sequence

10. New order "**seq 8 10 17 1 21 7 3**"

11. And "**try 5 9 15**"

12. Now place 15, enter new "**seq 8 10 17 1 21 7 15 3**", and "try "**5 9**"

13. Now place 5, enter new "**seq 8 10 17 1 21 7 5 15 3**", and "**try 9**"

14. Now place 9, enter new "**seq 8 10 17 1 21 7 9 5 15 3**" and all markers are placed.

15. Create "**map**" and then perform "**ripple**"

16. Ripple says the order is good at "5 2.0" and "5 3.0".