

ØKOSORT 2

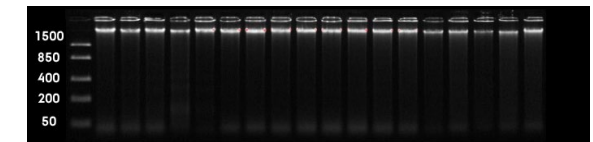
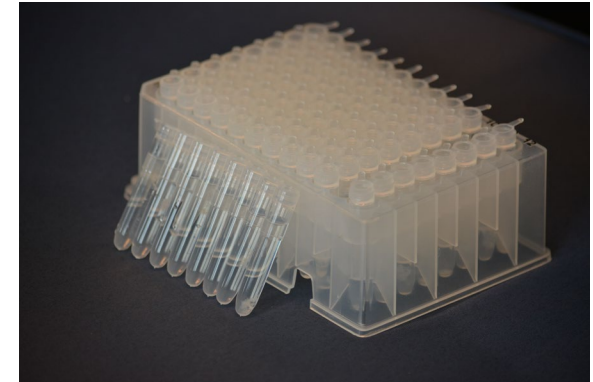
Genotyping-WP4

Jihad Orabi



GENOTYPING MATERIAL

- Spring wheat (WP1)
 - Each year about 100 lines
- Spring barley (WP2)
 - Each year about 100 lines
- DNA extraction
 - From 10 days old seedlings
 - Ammonium acetate protocol
 - Quantity and quality are adjusted
- Genotyping
 - TraitGenetics (Gatersleben, Germany)

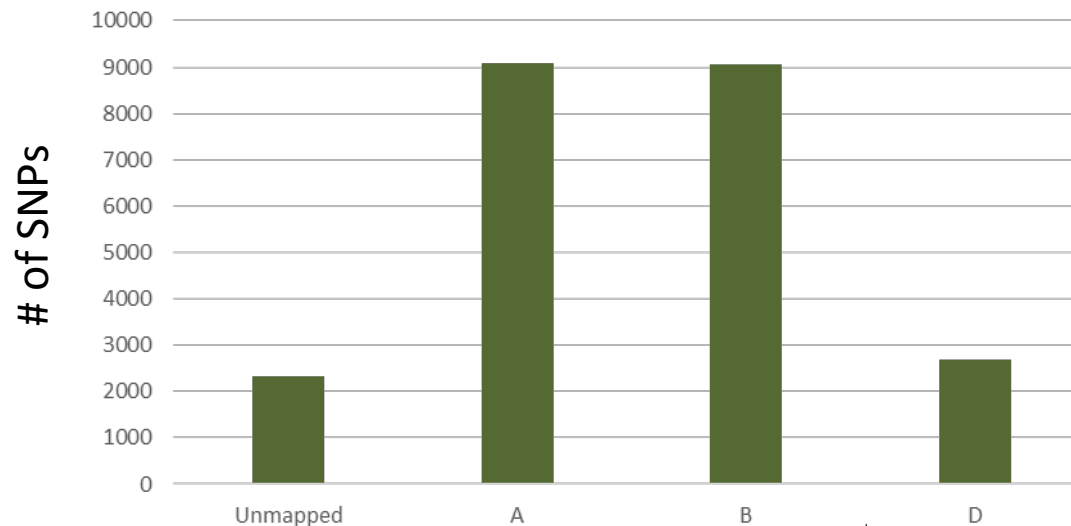


GENOTYPING

- Spring wheat (WP1)
 - 25K Infinium SNP array
 - 24145 markers on the array
 - 21693 physically mapped
 - 12401 genetically mapped

- Spring wheat (Økoll material)
 - 25K Infinium SNP array
 - 23160 amplified
 - 20845 physically mapped
 - 12024 genetically mapped

Distribution of SNP marker over wheat genome



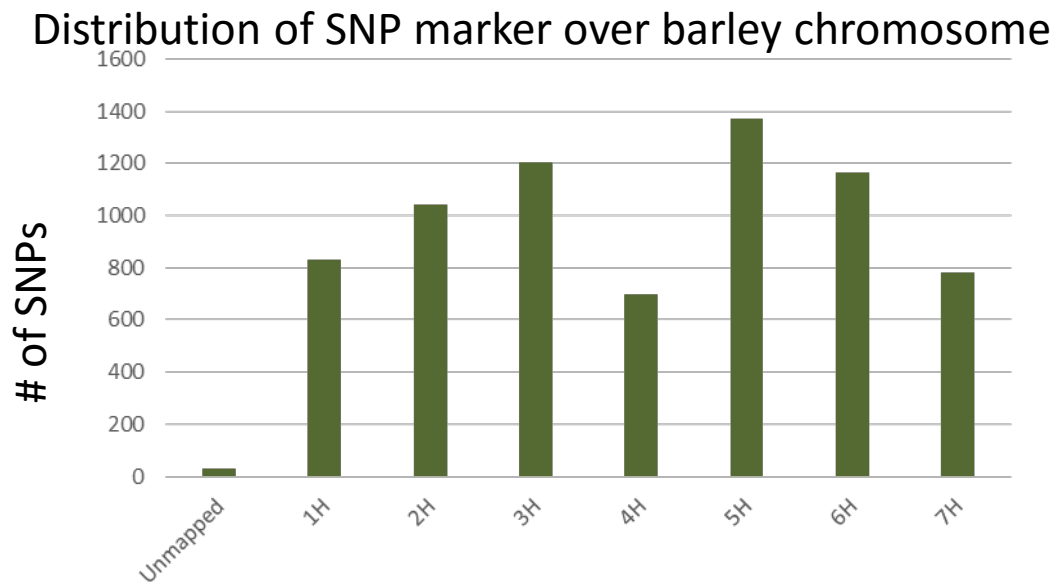
GENOTYPING

Spring barley (WP2)

- 15K XT Infinium SNP array
- 13847 markers on the array
- 13401 physically mapped
- 7712 genetically mapped

Spring barley (Økoll material)

- 15K XT Infinium SNP array
- 13783 amplified
- 13370 physically mapped
- 7710 genetically mapped





THANK YOU FOR LISTENING

