



French ECO-NET project Activities and results



Caucasian and Black Sea
genetic resources as compared to
French and European resources

Bacilieri, This, Lacombe, Laucou, Boursiquot, Failla, Maghradze, Gorislavets

- Dna work - microsatellites genetic markers
 - phylogeny
 - diversity
 - true-to-type identity
 - conservation
 - Passport, Ampelography, Agronomic descriptors
 - Understanding GR
 - Characterization
 - (acids, tannins, sugars....)
 - Use
-
- The diagram illustrates the relationship between two main research areas and their applications. On the left, there are two large bullet-point sections. A vertical line connects the end of the first section to a large right-pointing arrow. This arrow then branches into three separate boxes on the right, each representing an application area. The first section covers DNA work and includes sub-points for phylogeny, diversity, true-to-type identity, and conservation. The second section covers passport, ampelography, and agronomic descriptors, with sub-points for understanding GR, characterization (including acids, tannins, and sugars), and use. The three application boxes are labeled 'EU project', 'Database', and 'Viticulture'.
- EU project
 - Database
 - Viticulture
 - EU project
 - Database
 - Viticulture

- Work based on the INRA collection “Domaine de Vassal”:
- 6000 accessions genotyped, >3000 uniques
 - Phenotypical characterization available
 - 20 SSR markers on the 19 chromosomes

> Matériel végétal
 >> Variétés

120 enregistrements. Page 1 sur 12 ▶◀▶▶. Nombre d'enregistrements par page : 10 Annuler recherche

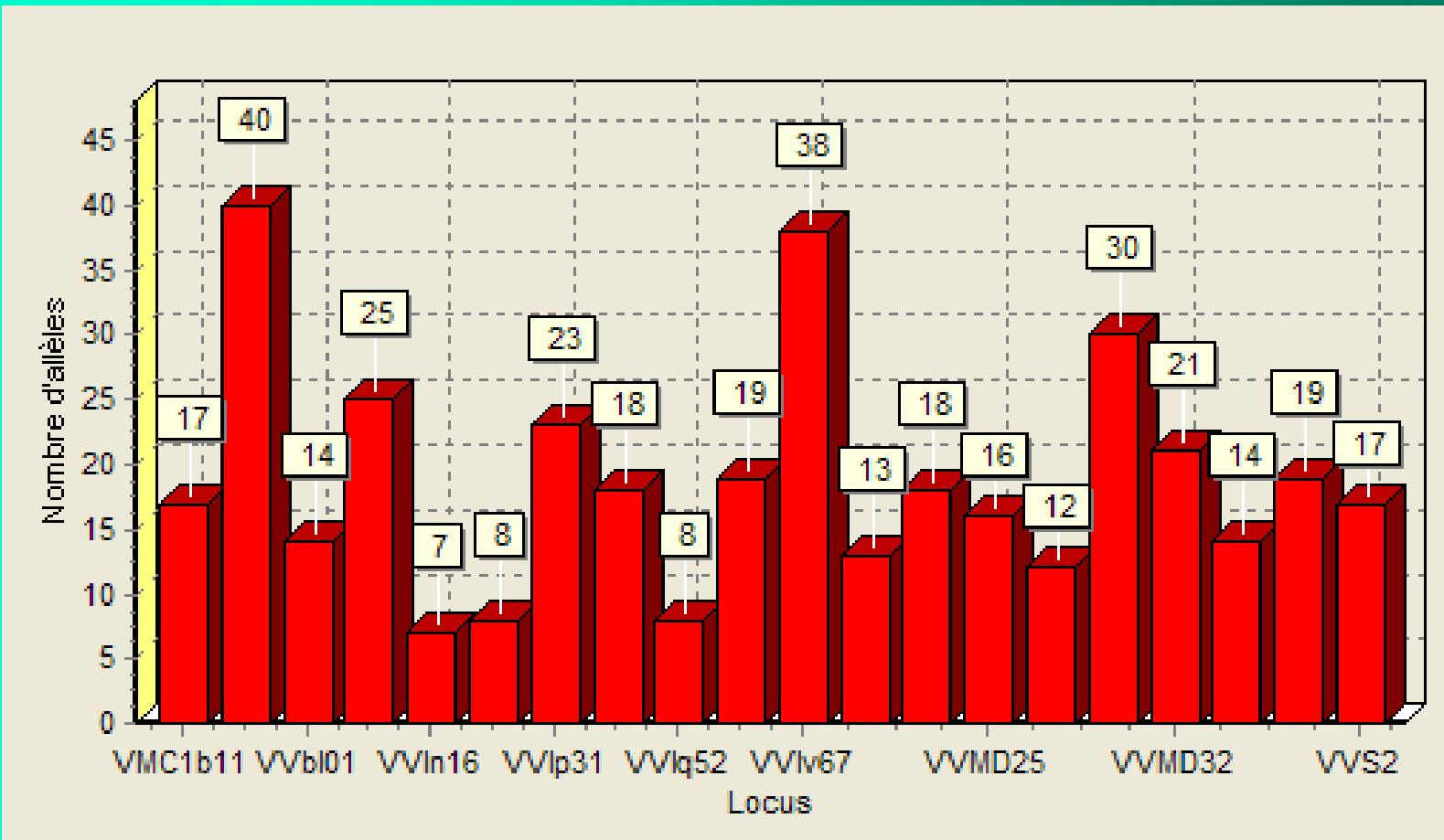
| Panier | Code variété | Nom variété | Numéro ONIVINS | Type | Couleur pellicule | Saveur | Utilit |
|--------|--------------|-------------------------------|----------------|--------------|-------------------|-----------------|--------|
| + | 2116 | Criolla chica 2 | | cépage | noir | Simple (neutre) | Cuv |
| + | 2156 | Lambrusque C | | cépage | | | |
| + | 2157 | Lambrusque D | | cépage | | | |
| + | 2161 | Lambrusque I | | cépage | | | |
| + | 9001 | 140 Ru = Ruggeri 140 | 9950 | porte-greffe | | | Port |
| + | 9002 | Paulsen 1045 | | porte-greffe | | | Port |
| + | 9003 | 1103 Pa = Paulsen 1103 | 9952 | porte-greffe | | | Port |
| + | 9006 | Riparia Gloire de Montpellier | 9906 | porte-greffe | | | Port |
| + | 9008 | Rupestris du Lot | 9901 | porte-greffe | | | Port |
| + | 9012 | 196-17 Cl = Castel 196-17 | 9926 | porte-greffe | | | Port |
| All | | | | indifférent | | indifférent | indi |

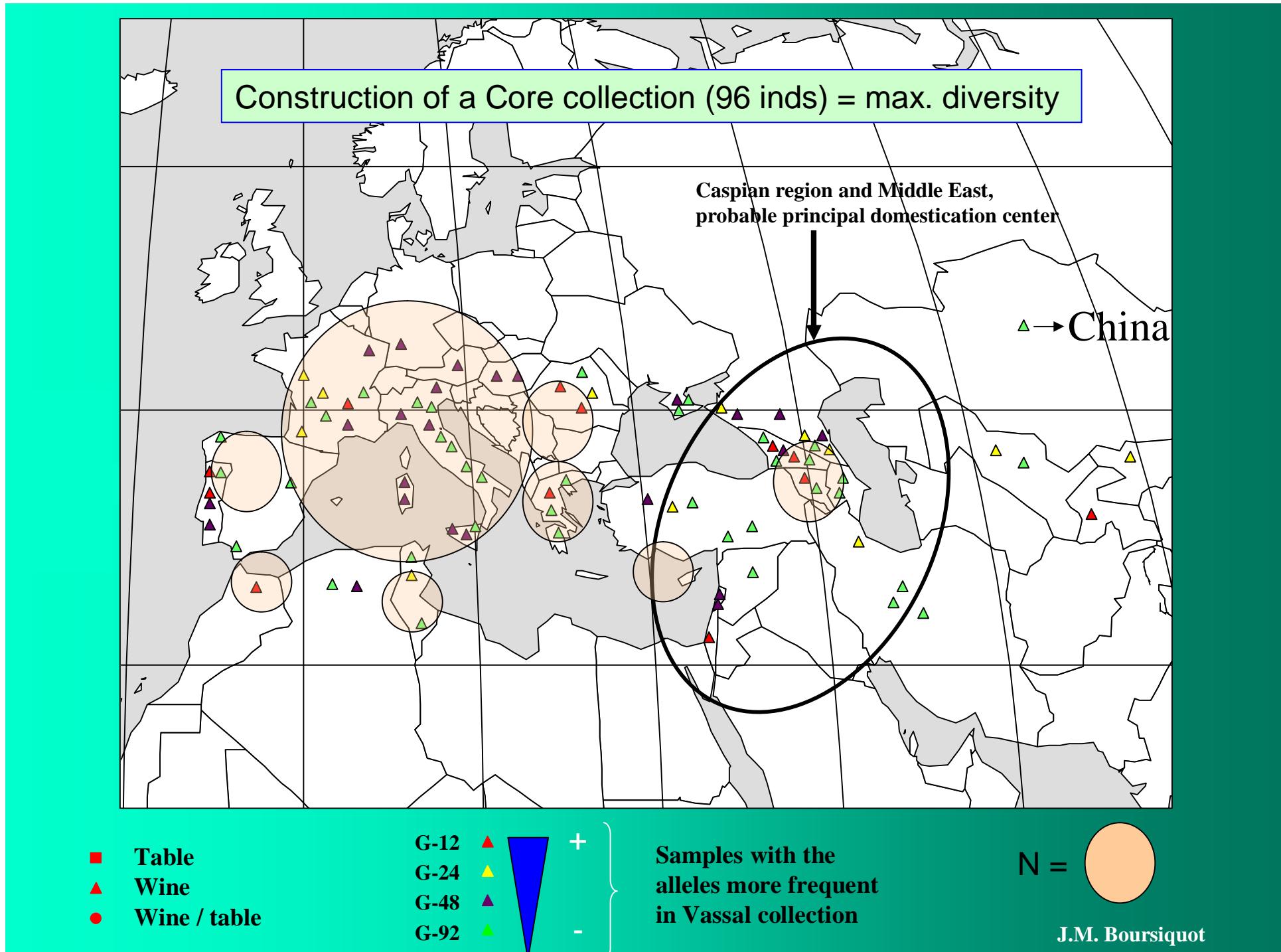
Le caractère % peut être utilisé comme joker au début, au milieu ou à la fin d'un mot-clé recherché.
 Validez vos critères de recherche en tapant "entrée" ou en cliquant sur l'icône "jumelles".

120 enregistrements. Page 1 sur 12 ▶◀▶▶. Nombre d'enregistrements par page : 10 Annuler recherche

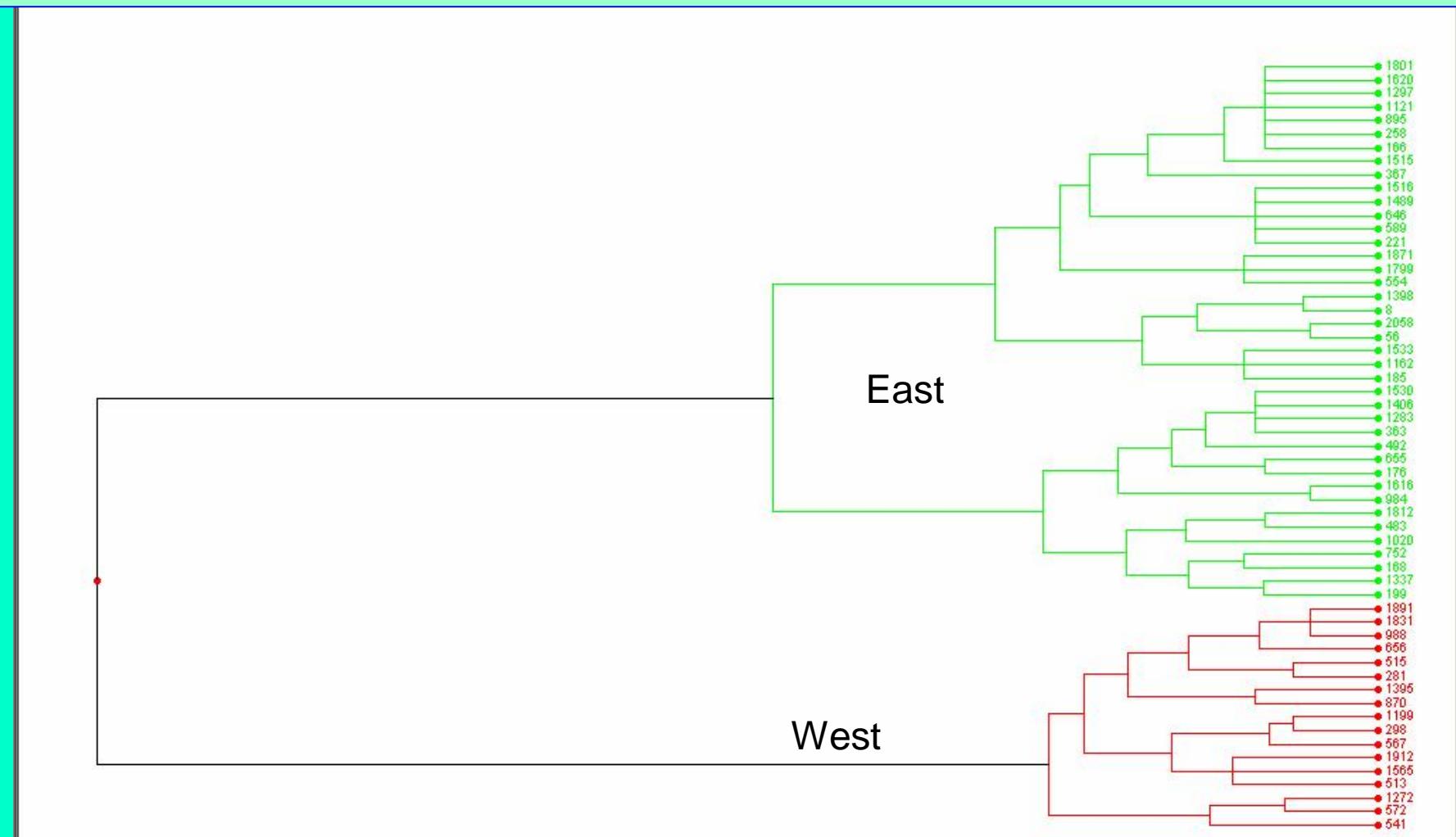
Dna work - microsatellites genetic markers

Number of alleles for the 20 loci (377 alleles in total)

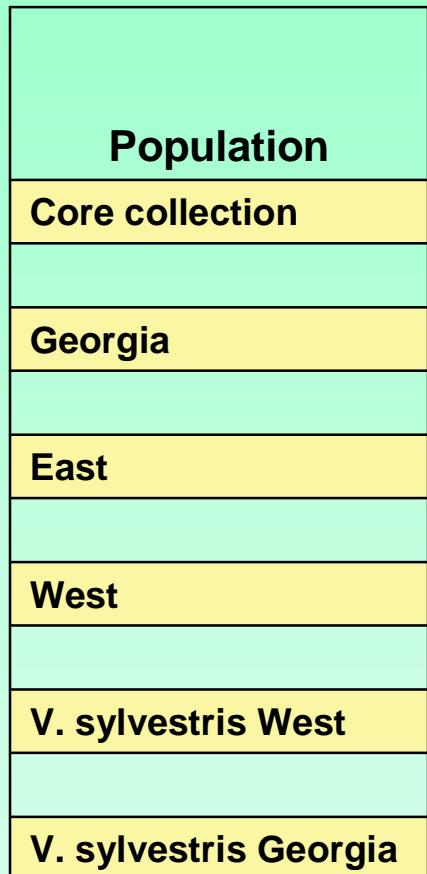




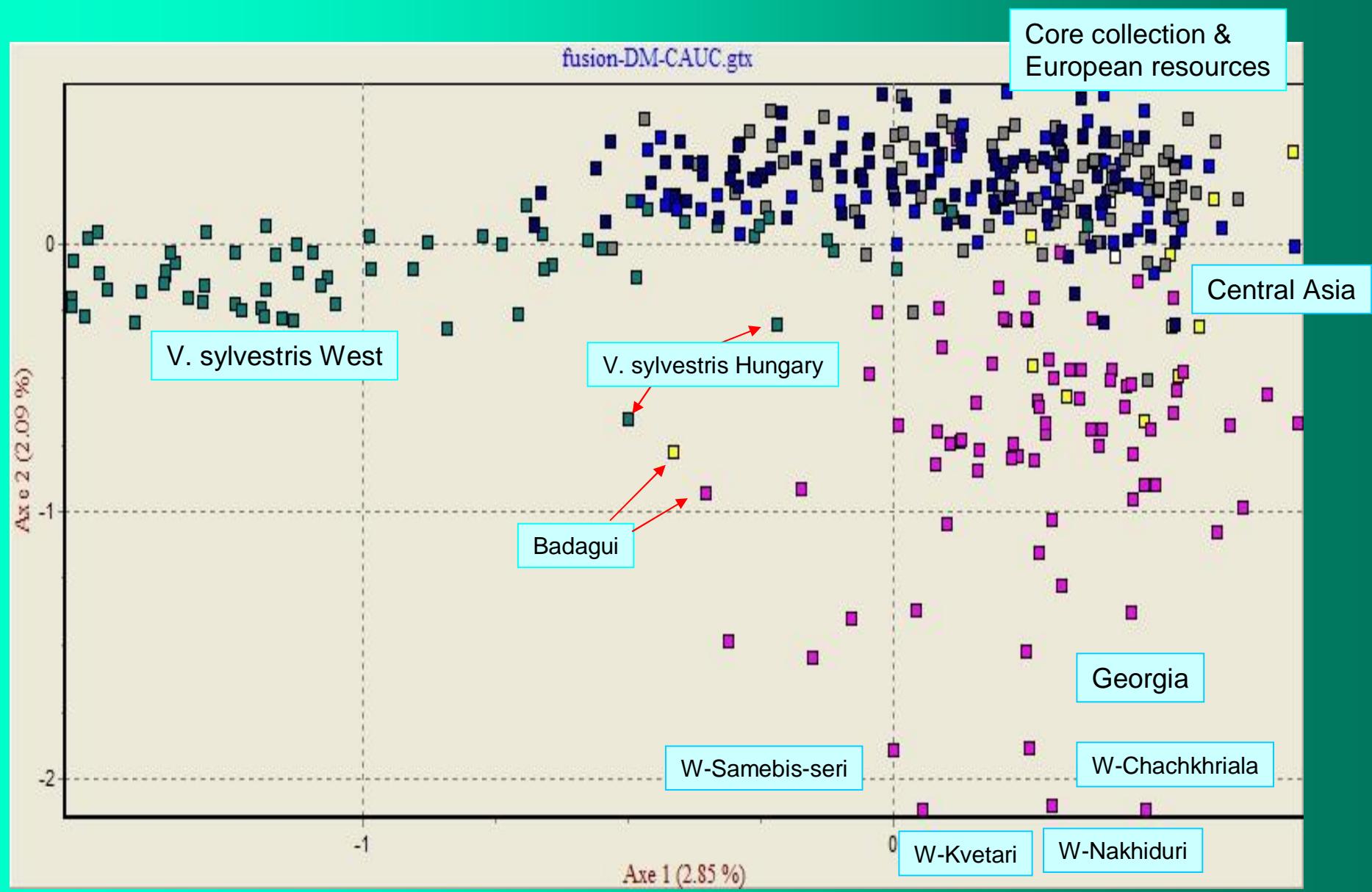
Belonging to two main populations



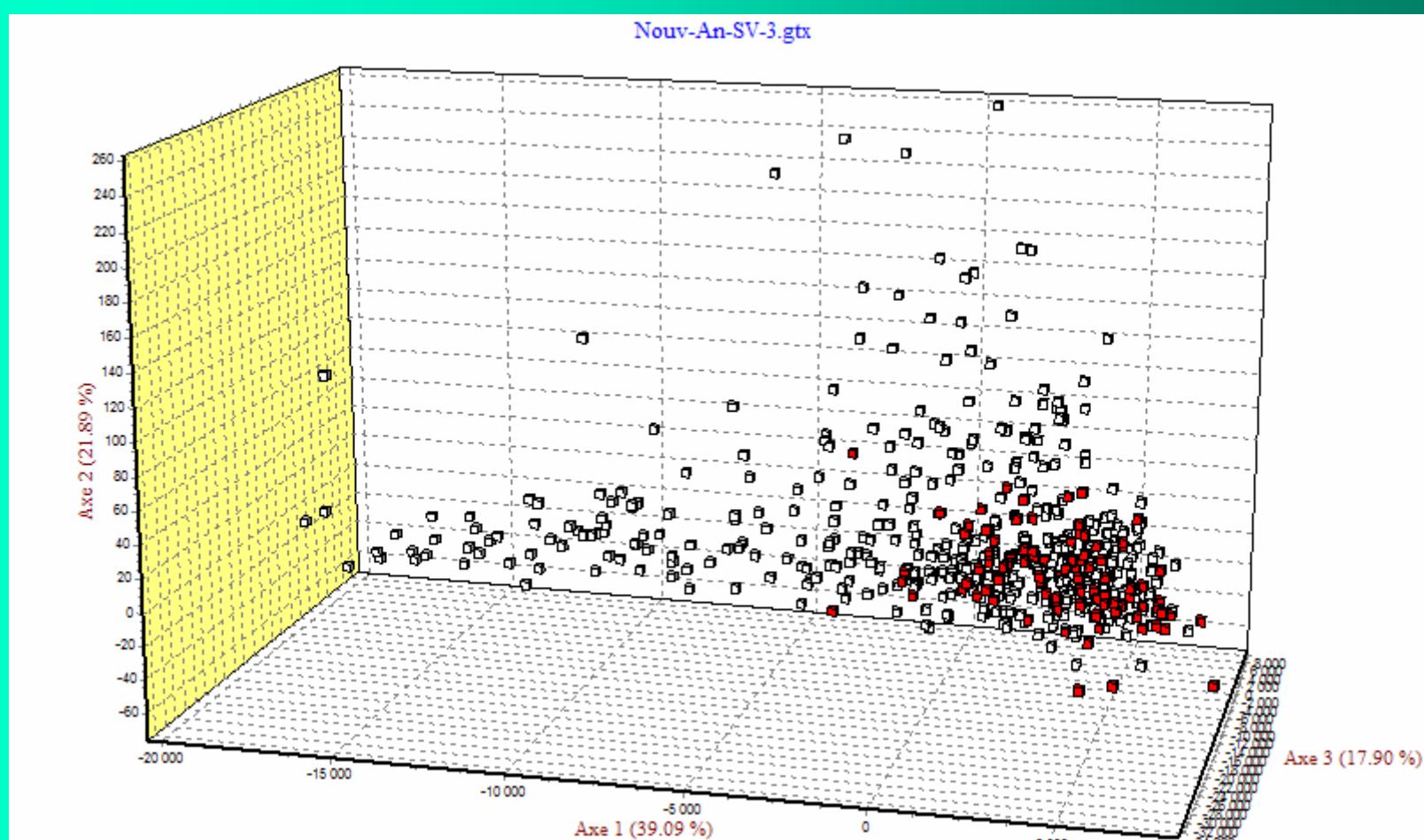
Diversity



Relations

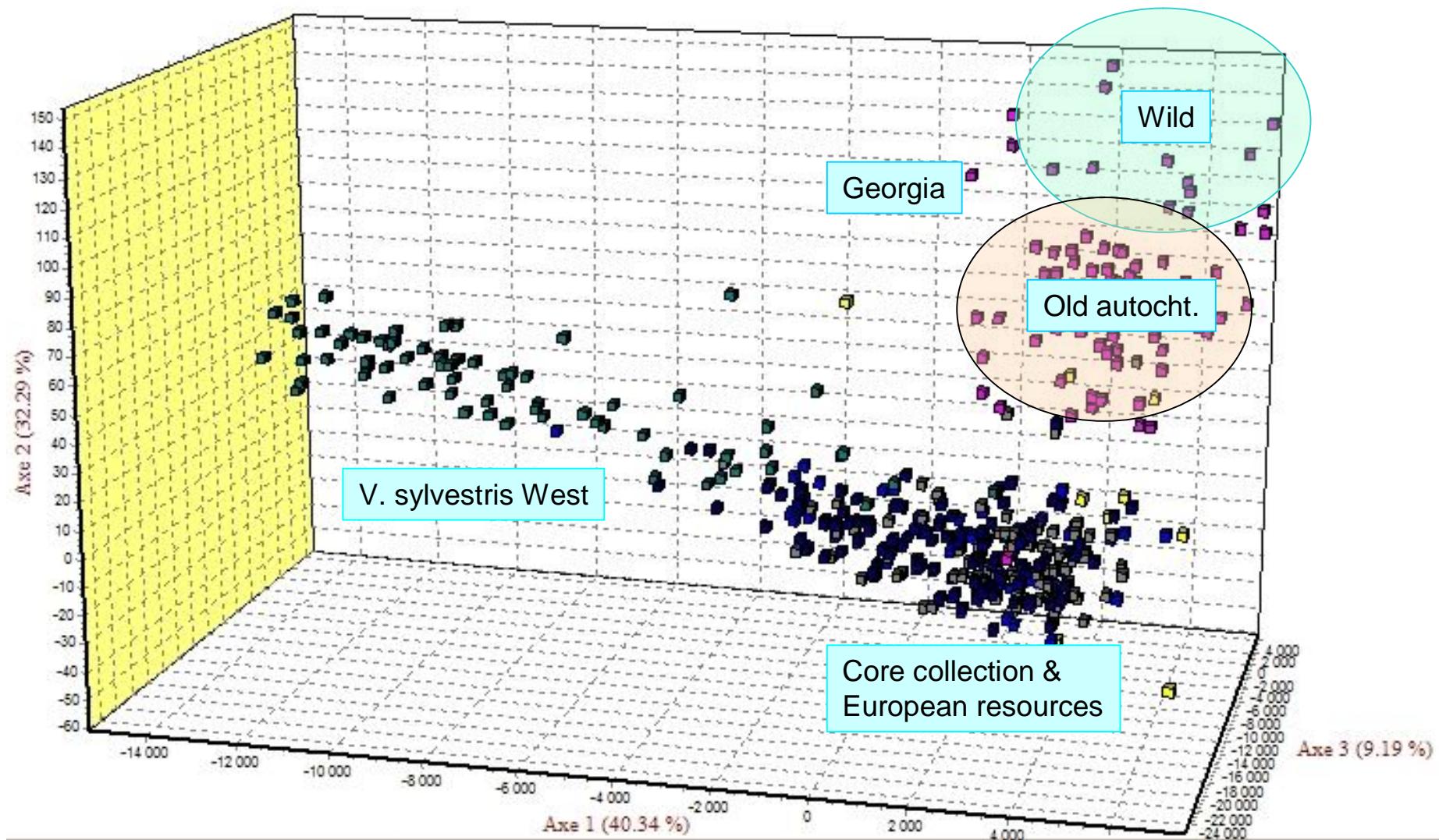


Ukraina (7 loci)

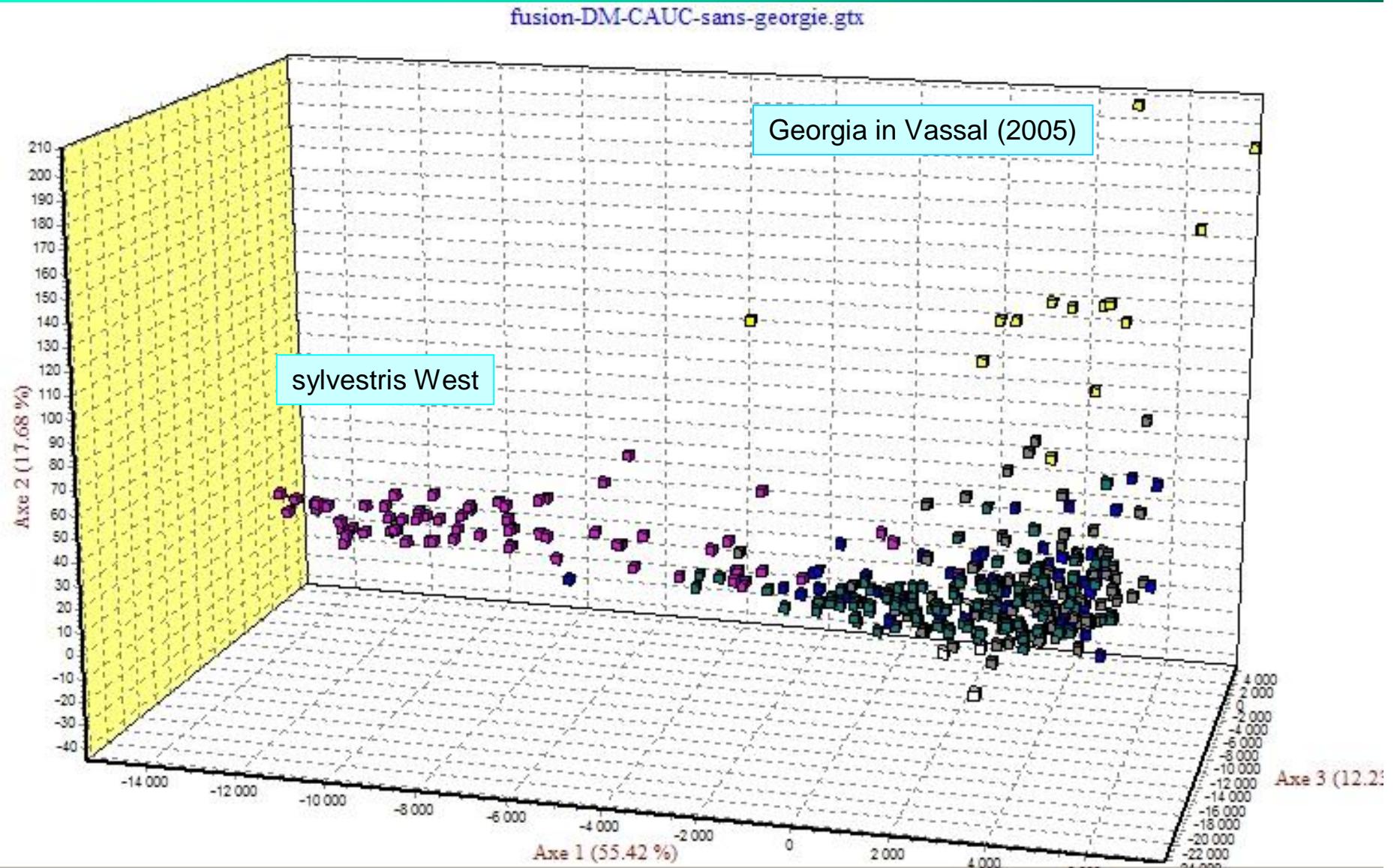


- Core Coll
- East
- Georgia
- Wild West
- West
- Wild Ukraina
- Ukraina

3D - 20 Loci

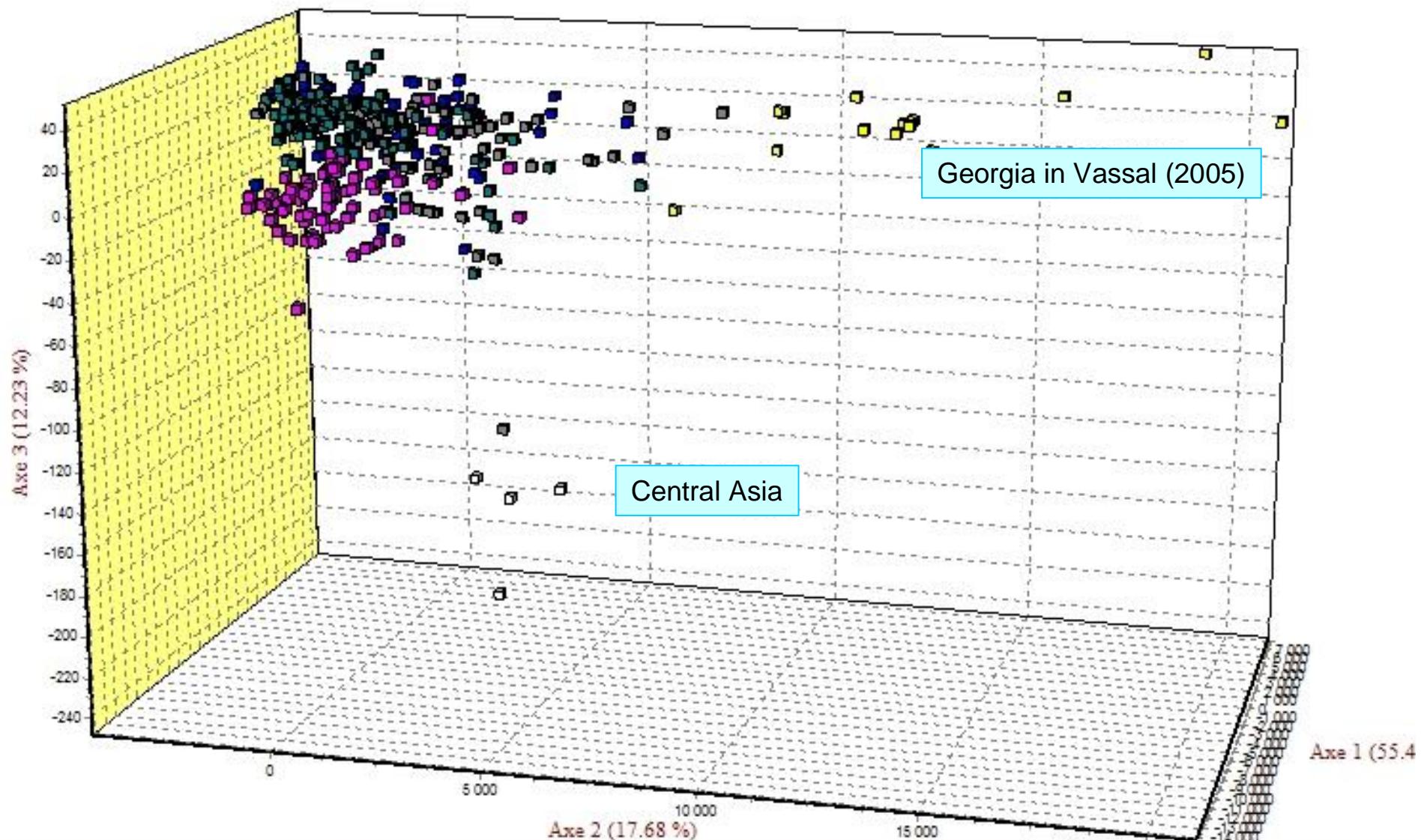


Verification of biais

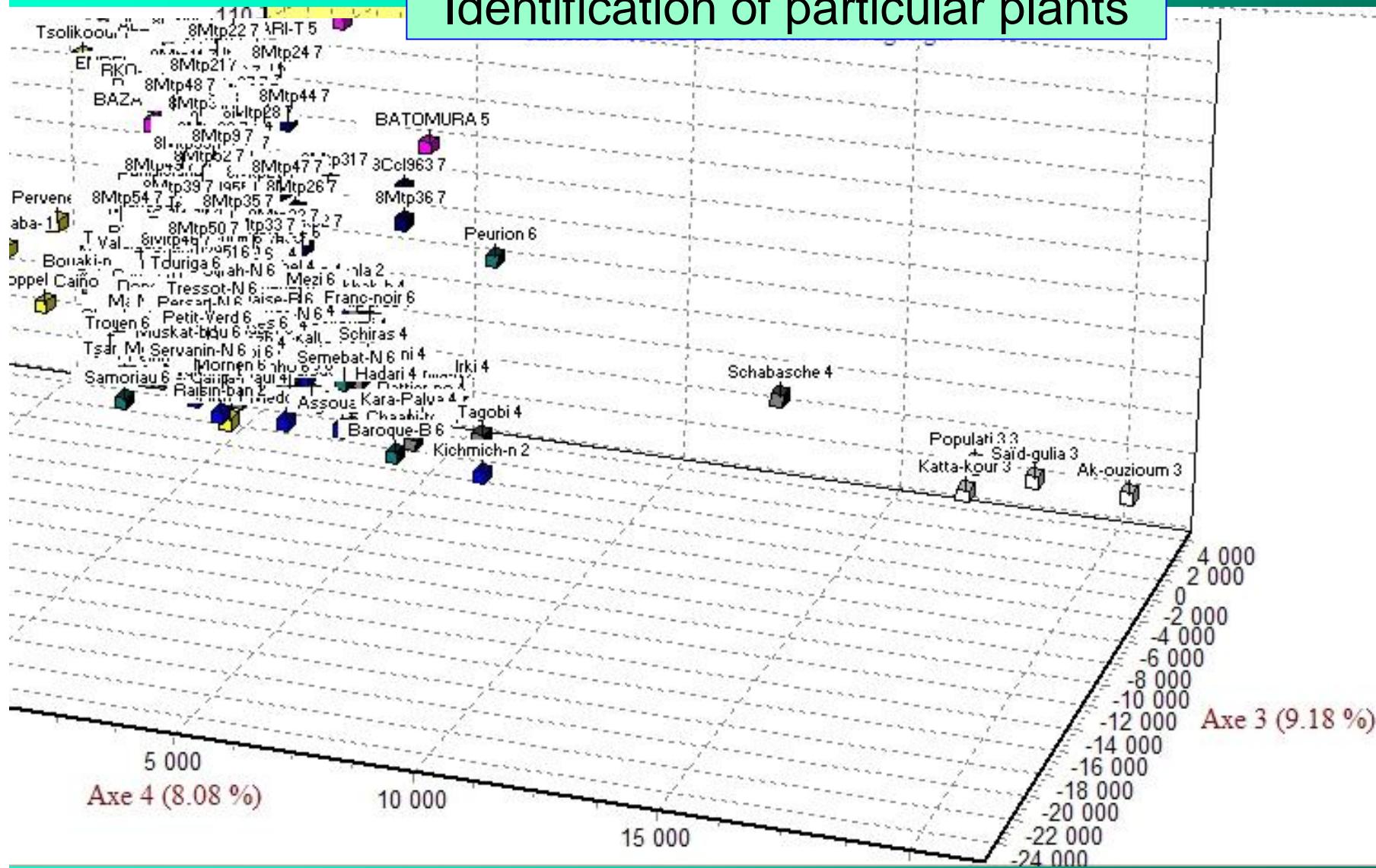


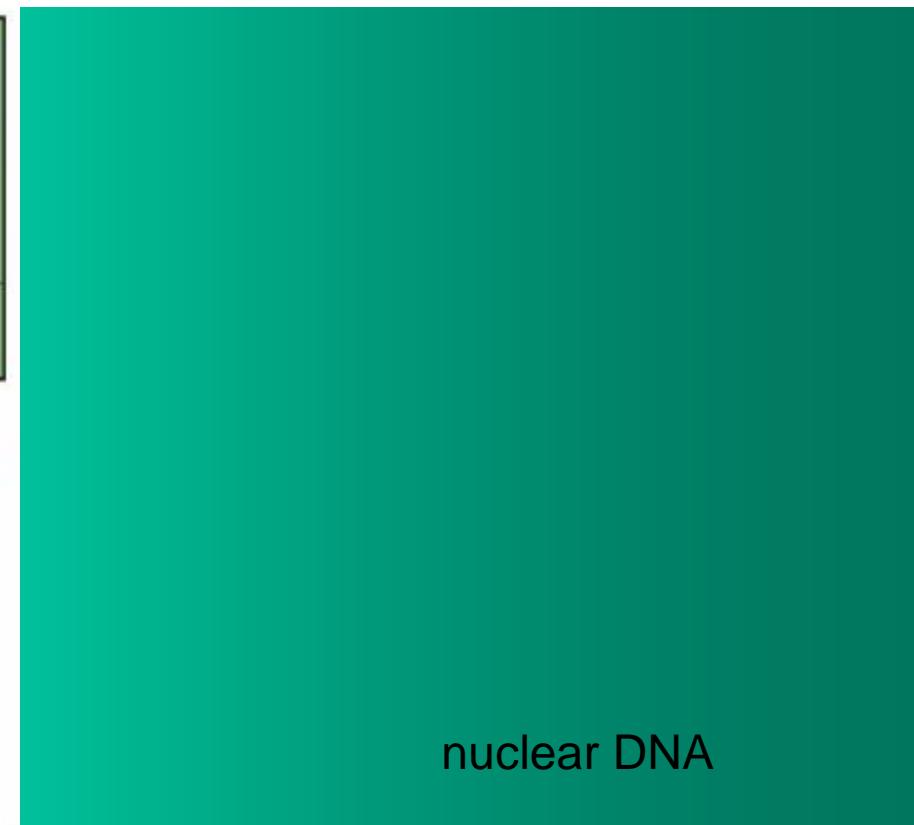
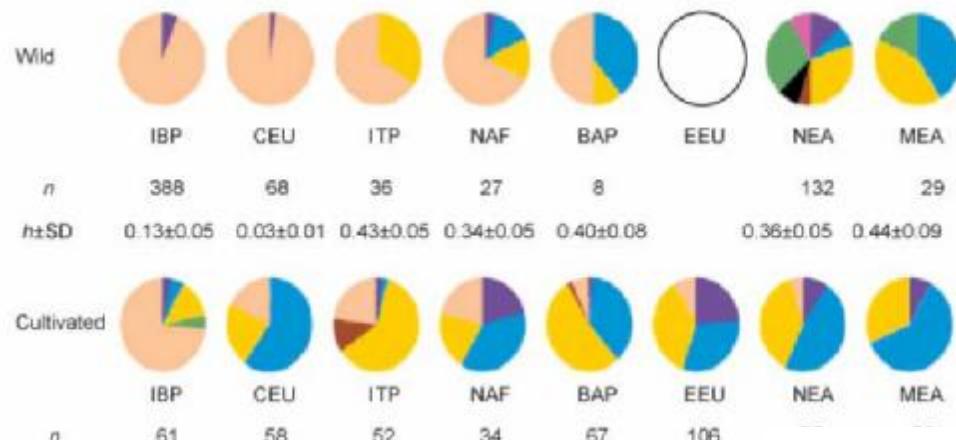
Central Asia

fusion-DM-CAUC-sans-georgie.gtx

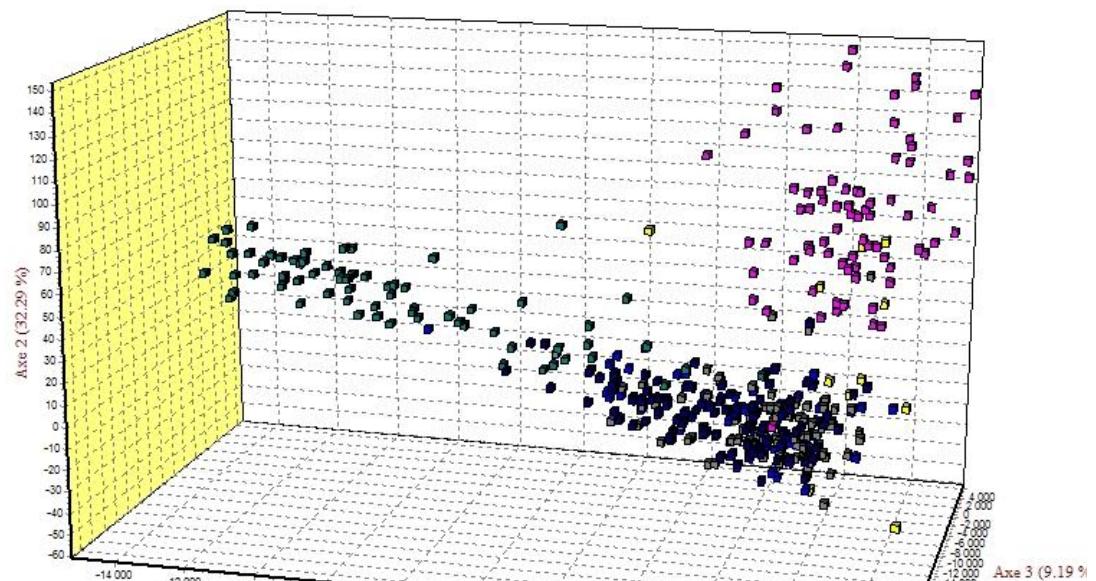


Identification of particular plants

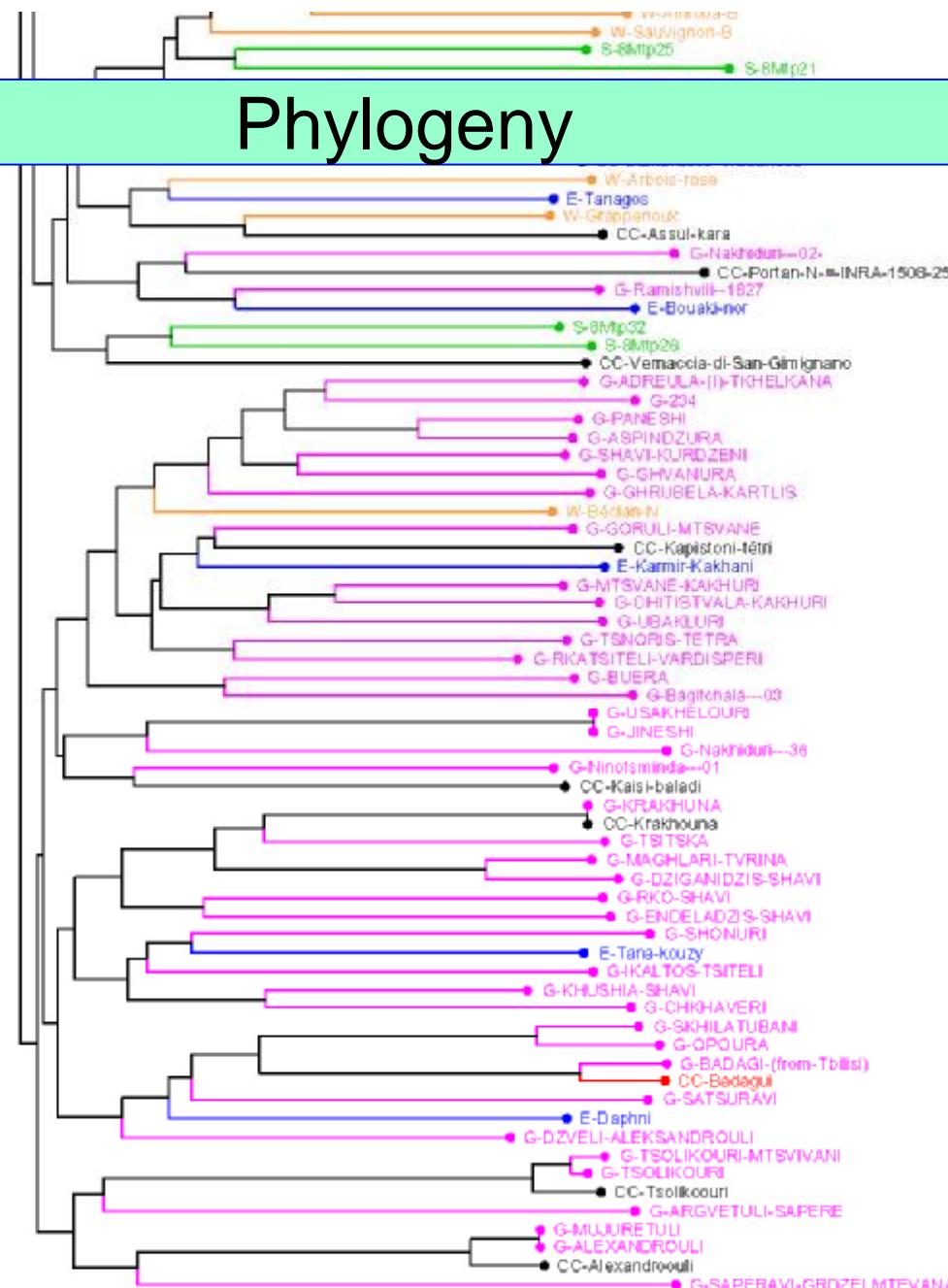




chloroplast DNA - Arroyo et al 2006



Phylogeny



Plans for the future

- 1. Study the diversity in some genes to compare neutral and functional variation
- 2. Analysis of Caucasian wild grapevines, phylogeny and parental analysis
- 3. Analysis of more resources from Central Asia

Thanks

