## Supplementary material:

**Table 1: Index of repetitiveness for the Genome**

| No | Genome dataset                  | Genome size in MB | Index of repetitiveness |
|----|--------------------------------|-------------------|-------------------------|
| 1  | *Arabidopsis thaliana* (ATL)   | 115.3             | 0.14                    |
| 2  | *Citrus sinensis* (CSL)        | 231.3             | 0.20                    |
| 3  | *Fragaria vesca* (FVL)         | 191.8             | 0.03                    |
| 4  | *Malus domestica* (MDL)        | 1843.2            | 0.32                    |
| 5  | *Oryza brachyantha* (OBL)      | 242.7             | 0.05                    |
| 6  | *Solanum lycopersicum* (SLL)  | 735.2             | 0.08                    |
| 7  | *Zea mays* (ZML)               | 1945.6            | 0.30                    |
| 8  | *Danionerio* (DRF)             | 1228.8            | 0.21                    |
| 9  | *Oryza sativa* (OLF)           | 661.6             | 0.09                    |
| 10 | *Gallus gallus* (GGB)          | 976.1             | 0.01                    |
| 11 | *Taeniopygia guttata* (TGB)    | 949.9             | 0.02                    |
| 12 | *Apis mellifera* (AMI)         | 196.8             | 0.02                    |
| 13 | *Bombus terrestris* (BTI)      | 206.4             | 0.02                    |
| 14 | *Drosophila melanogaster* (DMI)| 116.4             | 0.14                    |
| 15 | *Drosophila pseudoobscura* (DPI)| 48.9             | 0.02                    |
| 16 | *Tribolium castaneum* (TCI)    | 133.2             | 0.04                    |
| 17 | *Rattus norvegicus* (RNM)      | 2560              | 0.27                    |
| 18 | *Felis catus* (FCM)            | 2252.8            | 0.03                    |
| 19 | *Gorilla gorilla* (GGM)        | 2867.2            | 0.22                    |
| 20 | *Homo sapiens* (HSM)           | 2969.2            | 0.23                    |
| 21 | *M musculus* (MMS)            | 2355.2            | 0.04                    |