



**Figure S3.** PCA 3D score plot computed by using CIMMYT/Solina dataset (3,842 markers and 24,868 geno-types of which 91 Solina seeds). The ellipsoids indicate the 95% confidence limit for each Solina cluster. Colours indicate biological status: CIMMYT landraces (green spheres); CIMMYT cultivars (red spheres); Solina genotypes (blue spheres).