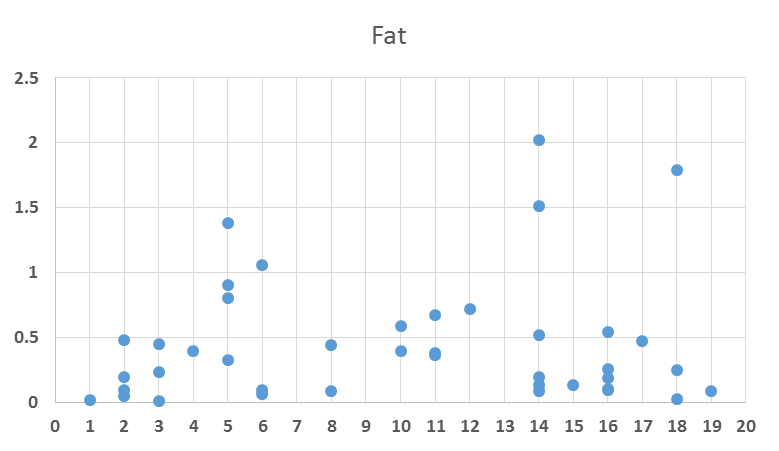
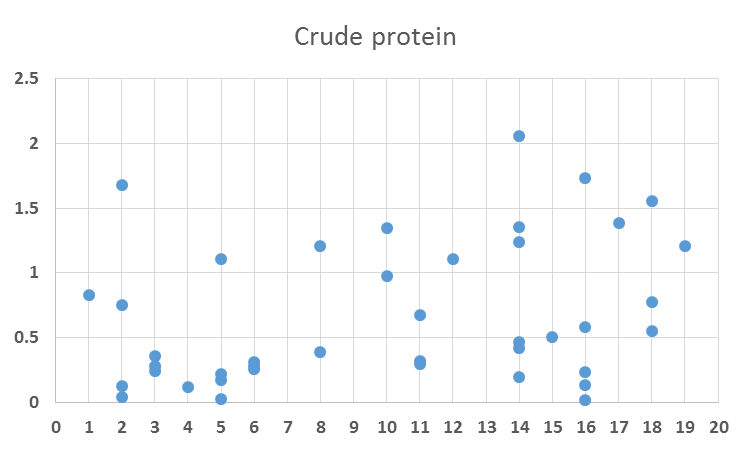
**AhTE1761 AhTE1761**

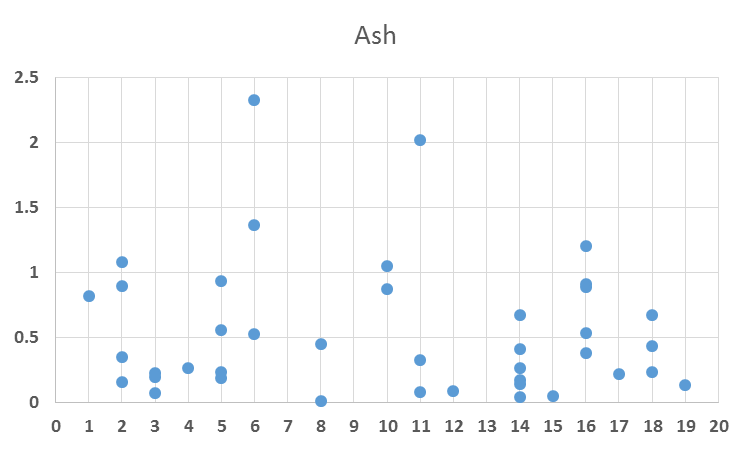
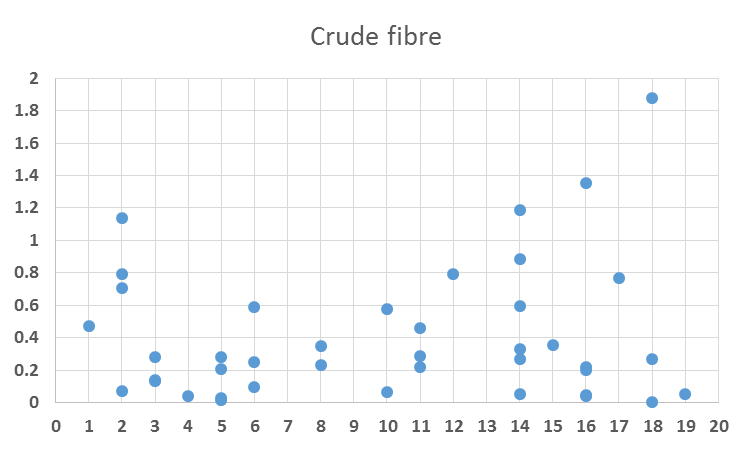


**–Log10(p)**

**–Log10(p)**

**Position Position**

**a) Fat content b) Crude protein content**

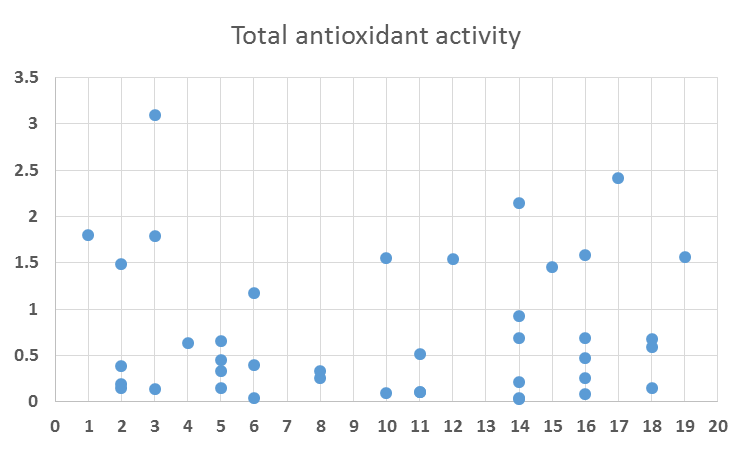
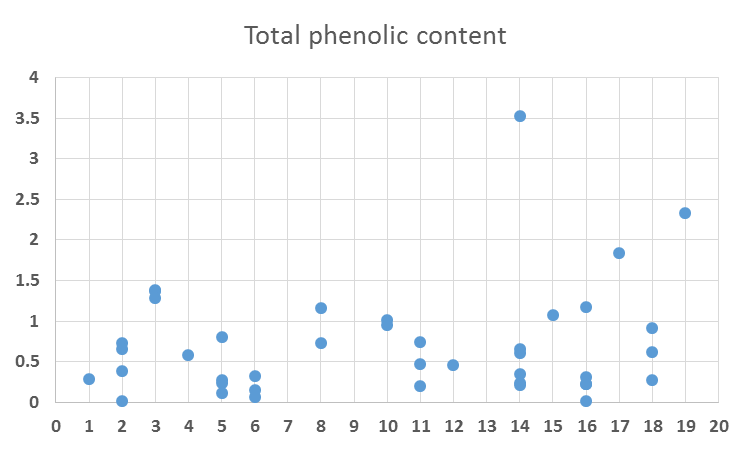
  **AhTE1363 AhTE2000**

**–Log10(p)**

**–Log10(p)**

**Position Position**

**c) Ash content d) Crude fibre content**

  **AhTE0189 AhTE0474**

**–Log10(p)**

**–Log10(p)**

**Position Position**

**e) Total polyphenolic content e) Total antioxidant activity**

**Supplementary Figure 1: Manhattan plot showing association of markers with nutritional traits like fat content, crude protein, ash, crude fibre, total polyphenolic content and total antioxidant activity**