



**Supplementary figure 2** Classification of 257 rice accessions and two controls (IR 64 and Kasalath) based on genetic variation in three root development traits under 5  $\mu$ M as deficient and 500  $\mu$ M as sufficient conditions of two forms of nitrogen, NH<sub>4</sub>Cl and KNO<sub>3</sub>. n= frequency or number of rice accessions classified into each cluster group