****

**C**

**B**

**A**

# Figure S4. Relationship between arginine, NAc-glutamate and genes linked to the eQTL hot spot on chromosome III. a) The Arginine biosynthesis pathway; b) QTL plots for metabolites and genes in the arginine biosynthesis pathway (red circles); c) Arginine, NAc-glutamate and genes involved in arginine biosynthesis pathway (red nodes) are under regulation of *ILV6* and multiple transcription factors *GCN4*, *RTG3* and *GLN3*.