



Fig. S1. Uptake of [^{14}C]- labeled acidic, basic and neutral amino acids at 30 μM concentrations by 2-week-old wild-type, *lht6*, *aap1* and *lht6/aap1* plants. Five pools of plants ($n=5$) were analyzed each containing eight plants. Since no differences in root or shoot dry weight were detected (see Fig. 3 A to C), the total counts per minute could be related to dry weights of whole plants, and total

counts per minute per mg dry weight were then normalized to wild-type (100%). Results are shown for one experiment, but three independent experiments were performed. Error bars depict standard deviation (\pm SD). Asterisks indicate significant differences when using one-way analysis of variance (ANOVA; P values \leq 0.05).