

**Figure S6.** **Subcellular glutathione distribution in wheat grown under various light conditions.** Compartment specific means of gold particles bound to glutathione (± SE) per µm² in A: mitochondria, B: peroxisomes, C: chloroplasts, D: cytosol, E: nuclei of *Triticum aestivum* ssp. *aestivum* Chinese. Values represent the mean of 60 cell compartments, except >20 for peroxisomes. Significant differences between NL and the other treatments (LL, HL, FRL) were assessed by one-sided ANOVA (Kruskal-Wallis with Bonferroni-Dunn *post-hoc* comparison). Significant differences between treatments at the 0.05 level of confidence are indicated by different lowercase letters above the columns. LL: low light, NL: normal light, HL: high light, FRL: far-red light.