

Figure S1. Genes identified to transfer in and out of the chloroplast genome or genes lost from the chloroplast genome of 21 land plants. The first three columns are mitochondrial protein-encoding genes (the third column) and their functional categories (the first two columns). The first line lists the names of plant species. The red and green cells represent chloroplast full-length intact homologs and pseudogenes in nuclear genomes, respectively. The white and yellow cells represent no chloroplast homologs in nuclear genomes and genes lost from chloroplast genomes, respectively.