



**Supplemental Figure 2.** Scatter plot for DNA microarray analysis of chloroplast gene expression affected by the null mutation of the *cp31a* gene. The scatter plot shows the averages of normalized signal means from the wt strain and those from the *cp31a* mutant ( $n = 2$ ) for each oligonucleotide probe on the array. The red dots indicate probes that represent *ndh* gene sequences. Note that the *ndh* probes are found at the lower edge of overall probe distribution, which indicates reduced RNA levels relative to other probes.