















Ricinus communis
chloroplast genome
163,161 bp

-  photosystem I
-  photosystem II
-  cytochrome b/f complex
-  ATP synthase
-  NADH dehydrogenase
-  RubisCO large subunit
-  RNA polymerase
-  ribosomal proteins (SSU)
-  ribosomal proteins (LSU)
-  clpP, matK
-  other genes
-  hypothetical chloroplast reading frames (ycf)
-  transfer RNAs
-  ribosomal RNAs