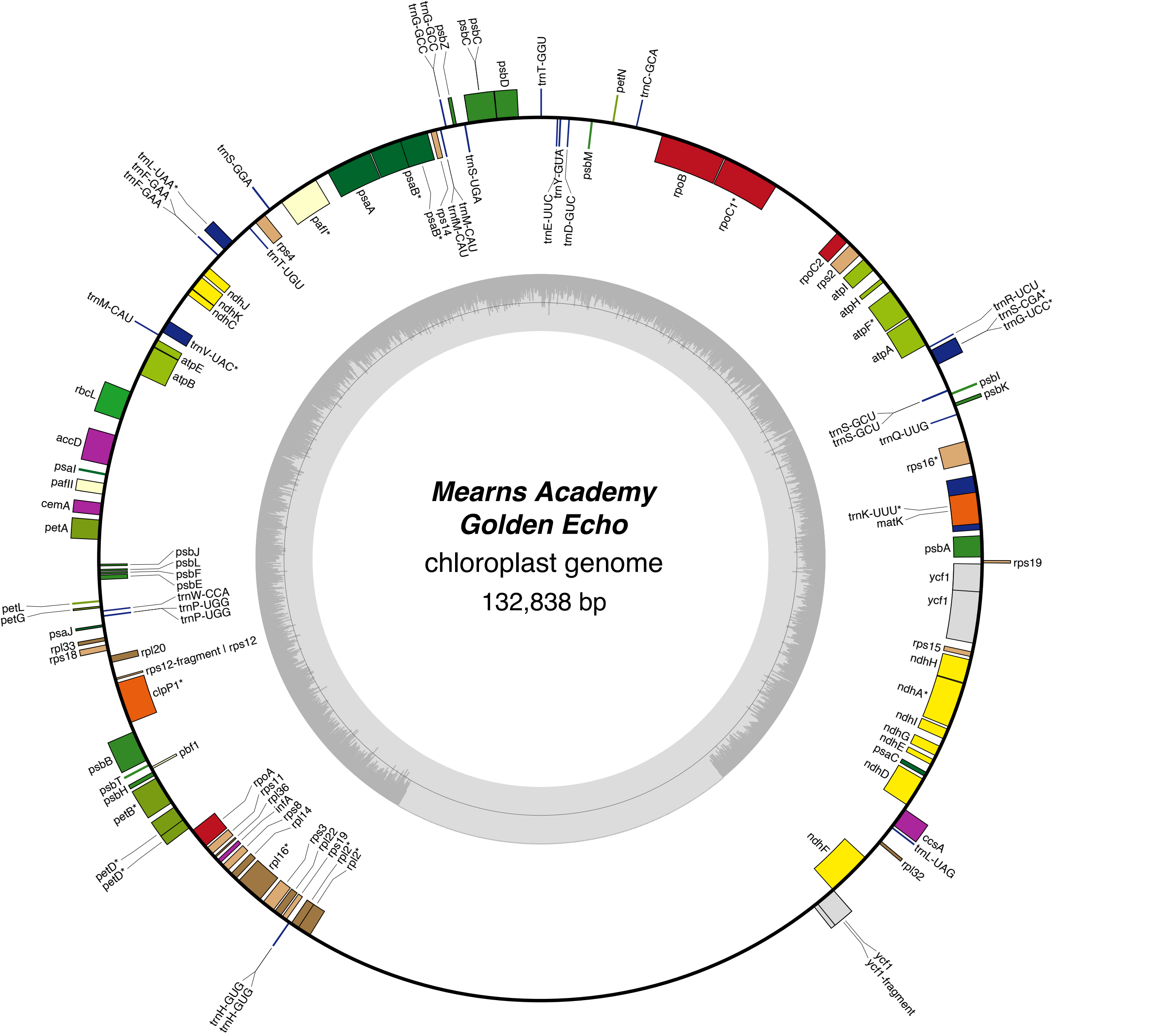


**Mearns Academy  
Golden Echo  
chloroplast genome**  
132,838 bp



- |   |  |   |   |  |
|---|--|---|---|--|
| <span style="color: #006400;">■</span> photosystem I          | <span style="color: #9ACD32;">■</span> ATP synthase          | <span style="color: #FFFF00;">■</span> photosystem assembly/stability factors | <span style="color: #8B4513;">■</span> ribosomal proteins (LSU) | <span style="color: #800000;">■</span> other genes                                   |
| <span style="color: #228B22;">■</span> photosystem II         | <span style="color: #FFD700;">■</span> NADH dehydrogenase    | <span style="color: #FF0000;">■</span> RNA polymerase                         | <span style="color: #FF0000;">■</span> ribosomal RNAs           | <span style="color: #D3D3D3;">■</span> hypothetical chloroplast reading frames (ycf) |
| <span style="color: #6B8E23;">■</span> cytochrome b/f complex | <span style="color: #008000;">■</span> RubisCO large subunit | <span style="color: #FFA500;">■</span> ribosomal proteins (SSU)               | <span style="color: #FF4500;">■</span> clpP, matK               |  |