

MOLECULAR BIOLOGY
I: DNA Replication
2.28.07

molecular biology

DNA replication

Central dogma

Nuclear genome

Mitochondrial genome

Base pairing

Template strand

Complementary strand

Antiparallel helix

Origin of replication

Ori

Helicase

Single stranded DNA binding protein

DNA polymerase

Primase

RNA primer

RNAase

Replication fork

Leading strand

Lagging strand

Ligase

Proofreading

Excision repair

Mismatch repair

MOLECULAR BIOLOGY
II: RNA synthesis
3.2.07

RNA

Uracil

Ribose

Gene