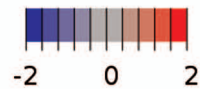
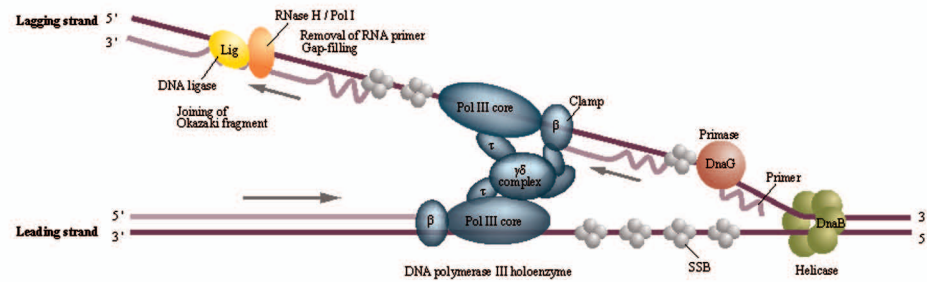


DNA REPLICATION



Replication complex (Bacteria)

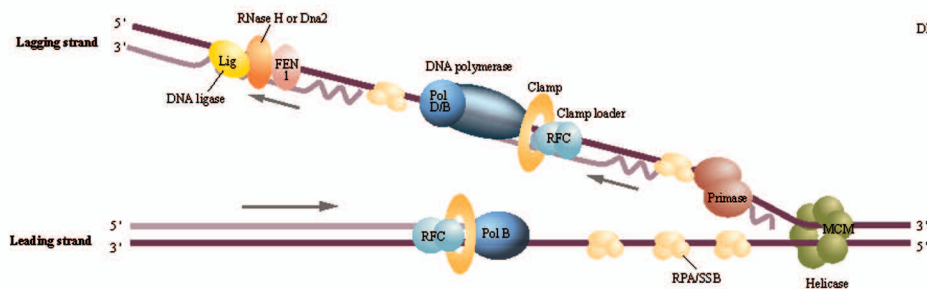


DNA polymerase III holoenzyme

		θ	Pol III core
		ε	
		α	
		γ & τ	
Clamp	ψ	δ'	γδ complex
	β	χ	

Helicase	Primase	
DnaB	DnaG	SSB
RNaseH	DNA polymerase I	DNA ligase
RNaseHI	Dpol	Lig
RNaseHII		
RNaseHIII		

Replication complex (Archaea)

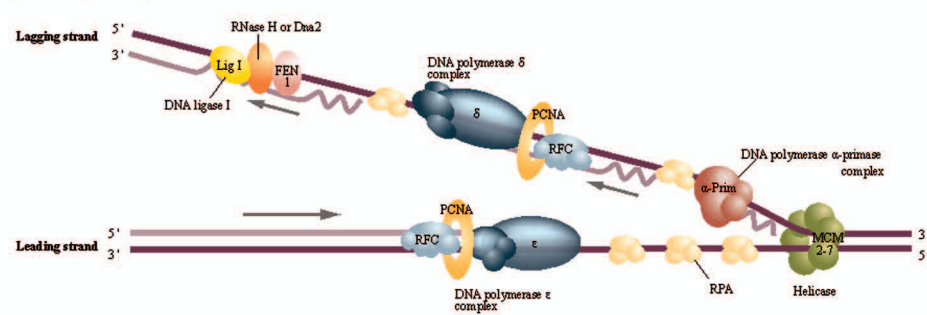


DNA polymerase B DNA polymerase D

PolB	PolD1
	PolD2

Helicase	Primase	RPA/SSB
MCM	Pri1	RPA
	Pri2	
Clamp	Clamp loader	RNaseH
PCNA	RfcS	RNaseHI
	RfcL	RNaseHII
Helicase		DNA ligase
Dna2	Fen1	Lig

Replication complex (Eukaryotes)



DNA polymerase α-primase complex

α1	α2	Pri1	Pri2
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DNA polymerase δ complex

δ1	δ2	δ3	δ4
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DNA polymerase ε complex

ε1	ε2	ε3	ε4
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MCM complex (helicase)

Mcm2	Mcm3	RPA
Mcm4	Mcm5	RFA1
Mcm6	Mcm7	RFA2/4
		RPA3

Clamp	Clamp loader
PCNA	RFC1 RFC2/4 RFC3/5

RNaseHI	RNaseHII
RNaseH1	RNaseH2A RNaseH2B RNaseH2C

Helicase		DNA ligase
Dna2	Fen1	Lig1