J. T.	* II WA
- exterencly accurate	Ald rysalvanish +
- proofreads	over all - runt
- does not distinguish b/	u DNA & RNA (!)
- very fast reaction due	to processive nature
Replication at chromosomal	Marketta and the Attention
- Repititive telomère sequence	(TTA GOLG)
+ Protects chromosome en	is at from damace
- Protects chromosome end - telomenic proteins	ATTA MATT
Why repitition! Why pro-	teins?
	entransition and analysis and
Shelterin - protects telome	
is free and th	e end is perceived by
DNA polymenase as a	strand preak (exonucle
End Replication Problem	
	I WILL ITTA SAME
100	Telowasense senses water
Ly last Okazaki Po	
Primer removed -> place	not filled -> bases
The state of the s	TOTAL POLICE TO COMMENT

ases lost and unneplicated

Replication eycles) -> Chro mosome gets shorten & shorten

Telomenase	
	JOHN THE SAME
- nibonudeaprotein	near gled Field
STERT - Telomerase neverse tou	insulptase
TER - Relomenase RNA	
> RNA dependent DNA Poly	meraso_
In Telomenase -> complementary	RNA seq.
40 GAUCCEARD	
	. L. Mark
TTA GIGI GITTA GIGI GITTA	
Telomere lengthered by several	
til dimension in the same of the same	
After extension - shortaing do	es not affect
After extension -> shortering do	-15 ~20 bases
to the desirable	
(?) Why TTAGIGIG	April 100 mg
	447 19
Telomerase activity, with time	- /
Telomerase activity with time	E
Laurid en Justa	EING
? Frequency of telomerase actions.	Utter Same
nen cude.	7
7. 7	ALCON TO SE
1 Half-17fe of telomerase	a mide in a
Marriero A rectiones	The second second

Regulation of neplication
Cell cycle - blah blah blah
Helicase Loading and activation
4 Rate determing state
Thoading - Bing of Helicase to ORC
Activation - Separation of strands.
+ cost 1 ORC -> Complex -> CotT-1 sep. Therough ATP.
YAY NO REMEMBERING
CDK phosphonylates helicase -> Activation
G-loading, G, S, M - Activation, (Act. inhibited) (loading inhibited)