

Organization of Eukaryotic chromosome

M	T	W	T	F	S	S		M	T	W	T	F	S	S	
						1	February 2015	30	31					1	March 2015
2	3	4	5	6	7	8		2	3	4	5	6	7	8	
9	10	11	12	13	14	15		9	10	11	12	13	14	15	
16	17	18	19	20	21	22		16	17	18	19	20	21	22	
23	24	25	26	27	28			23	24	25	26	27	28	29	

Tuesday

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JAN 2015
013-352 • WK 03

Introduction:-

- 9 - They are thread like structures located inside the nucleus.
- 10
- 11 - The term chromosome was first used WALDEYER (1988).
- 12 - Structure of Eukaryotic chromosome shows the following parts:- MATRIX, CHROMONEMATA, SATELLITE AND TELOMERE.
- 1 -
- 2 - Eukaryotic chromosomes are made up of a DNA + Protein.
- 3 - A large number of models are proposed to explain the chromosome structure.
- 4 - DNA stored in the nucleus of the cell.
- 5 - The nucleosome consists of about 200 bp ~~wrap~~ around a histone octamer.
- 6 - The different models explain the molecular anatomy of Eukaryotic chromosomes.
- 7
- (A) Simple multistrand model.
- (B) RIS multistrand model.
- (C) Centripede model
- (D) The Freese - Taylor's model.
- (E) Du Prank Folded - fibre model.
- (F) Coiled coil Model.
- (G) Nucleosome Model of chromosome.

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