Computational Biology +/10/19 Ophimal - given Sarring Scheme. Dot matrix + BLAST = nisolignmen JWAS o genetic Risk Jackor identification for charases. (AD, diastes). - D SNPidentification. UNAS - 2 graps (case, control).

(OR) 1 - O increuse of minon & variant = 1 -0 no association

(1 -D decreuse of minon various.

Slide 7/45 up see Shidus for turse

$$OR = \frac{25/45}{2n/4n}$$
= $\frac{2104}{2676} = 1.3871$

OR P-value D(X OR Fisher's exact test) Fisher's test - D dran from [altic A, las b atb 1 Az c d crd P-value = \(\frac{a+5}{i=a} \) \(\left(\frac{a+6}{i} \right) \) \(\left(\frac{a+6}{i} \right) \) (a+c) Fisher's exact test can only be calculated for (h) to observe the Peck son invented the X2 test to account gor bryger humbers. Deviance adalated asing the byper geometric humbersdistributions Bonferonni # hypothesis G TIC e TG Quantifying variation between sequences. Markovian process is momorphen. Substitution rete matrix: Q = C (sum)
Q (sum)
Q (sum)
Q (sum)
Q (sum)
Q (sum) T. KXD+ P(X)T) = (1- 20+) K = (1-20+) TD+= (1-20+) T

 $\lim_{n \to \infty} e^{-\lambda T} e^{\alpha} = \lim_{n \to \infty} \left(1 + \frac{\alpha}{n}\right)^{n}$ $0 + \infty$

10

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