• E coli - It is an togget bacteria commonly found in intestines of humans The my restriction enzyme here in EcoRI Source : E cole RY13 strain In EcoRI: - · Eco -> refers to Eacole (Escherichia coli)
· R -> RY13 strain (in this case but refers to strain in DNA)
· I -> rindicates first strain in this strainenzyme EcoRI is used for \$ DNA dicing at GAATTC of CTTAAG sequence and useful for genetic engineering & cloning. Type I restriction engymes specialize in recognising palindremic DNA sequences and cancut DNA stator near those sites.

DNA: CTTAAGE (DNA slicing takes place) Let GABA on both strends Remember, DNA has 2 strands running in it 2) Complementary strand CTTAAG (Palindramic sequence) Template strand > Original strand & server to guide / build complementary that Complementary strand > Complement of original (by base-pairing rules) · A pairs with T (vise versa)
· C pairs with G (vise versa) GAATTC Slice OTTAA GOTTE CTTAA GOTTE GOTTAA GOTTAA This DNA slicing takes place in unmethylated DNA

If the foreign DNA that invades E-coli is GAATTC,
Then the EcoRI enzyme recognises this sequence & what it. This DNA sequence GAATTC gets cult in these regions So la solicitation of the TO CTTARE TARTICONS

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