Ciappa Valentina

Esercizio 1

Leggete la sequenza dal gel a voi fornito, inseritela in BLAST e provate ad identificarla utilizzando i due siti sotto indicati.

http://blast.ncbi.nlm.nih.gov/

http://www.ebi.ac.uk/Tools/blast/

Quale variante di BLAST utilizzate?

Quali parametri inserite e come variano i risultati in seguito al loro cambiamento?

X-Ray 1
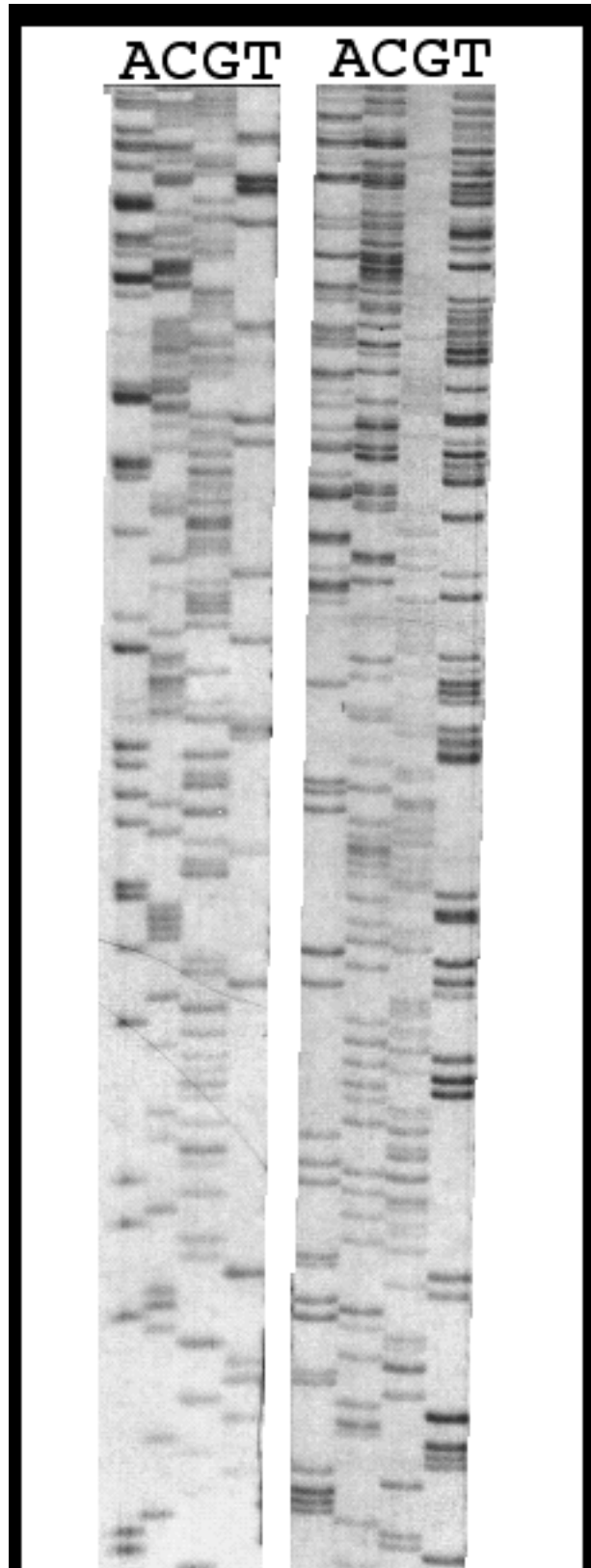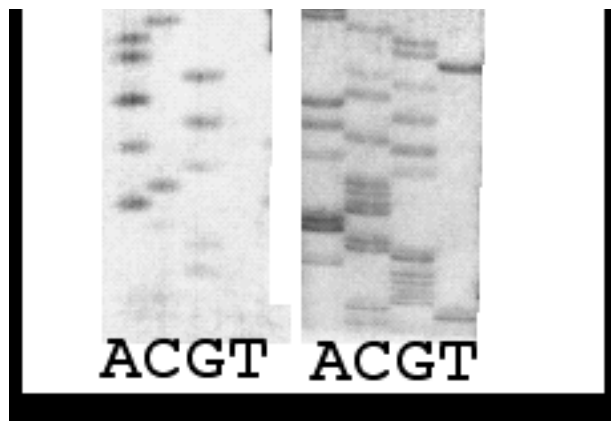
>CIAPPA
CTCGAGCACGAGAGAACTGCTGTTGCACCTGGACGAGGCGCGGGGCGAGCTGGA
CCCCAAGGTGCAGCAGGAGATGCCCCCGCCATCGAGGGCGTCGGCAGGCGCGA
GAGCTGCTGAACACGCGCGCTCGGAGCACAGCAGCTGCAGATTCAGCGCATACG
CAG

X-Ray Film from Short and Long Sequencing Run

Can you figure out the source of the DNA?

ACGT   ACGT

Figure 1. Sequence from an unknown piece of DNA. A single sequencing reaction was loaded into four lanes, allowed to run for a couple hours (right set of 4 lanes; called the long run) and then more of the same reaction was loaded and run for another two hours (left set of 4 lanes; called the short run).

Two more examples of **autoradiograms** (**autorads**)you can view: [Example Two](#) and [Example Three.](#)

Trupia Gabriella

Esercizio 2

Leggete la sequenza dal gel a voi fornito, inseritela in BLAST e provate ad identificarla utilizzando i due siti sotto indicati.

http://blast.ncbi.nlm.nih.gov/

http://www.ebi.ac.uk/Tools/blast/

Quale variante di BLAST utilizzate?

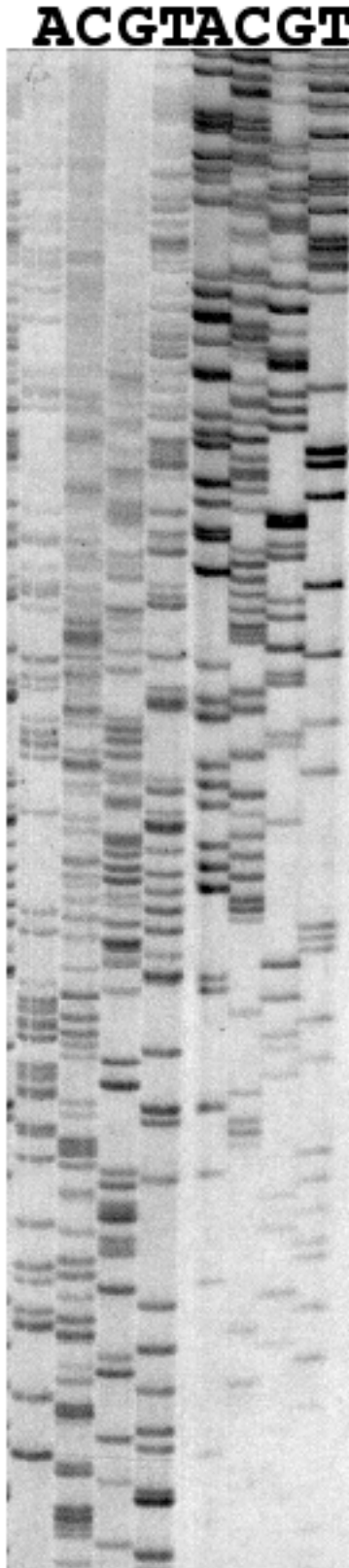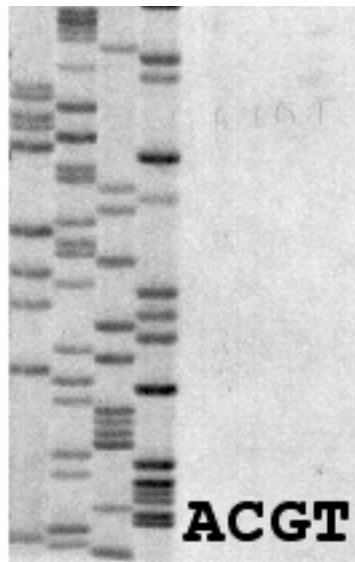Quali parametri inserite e come variano i risultati in seguito al loro cambiamento?

X-Ray 3

>TRUPIA
GCACTTGTTTCTCGGGGCTCAGCTGTATCAGGCACGTCGGTACAACAATCTGCCC
CTCTGCCCCTTGCCATGTCCATCGCGTCACATCGACACGGGCAGGCGTGCACCA
TCTCAGAAGTCACACAACGTCGTGGCATGCTCGCTGTGCCTGT

X-Ray Film from Short and Long Sequencing Run

Can you figure out the source of the DNA?

Figure 1. Sequence from an unknown piece of DNA. A single sequencing reaction was loaded into four lanes, allowed to run for a couple hours (right set of 4 lanes; called the long run) and then more of the same reaction was loaded and run for another two hours (left set of 4 lanes; called the short run).

Two more examples of **autoradiograms** (**autorads**)you can view: Example One and Example Two.

Galvagno Maria

Esercizio 3

Leggete la sequenza dal tracciato a voi fornito, inseritela in BLAST e provate ad identificarla utilizzando i due siti sotto indicati.

http://blast.ncbi.nlm.nih.gov/

http://www.ebi.ac.uk/Tools/blast/

Quale variante di BLAST utilizzate?

Quali parametri inserite e come variano i risultati in seguito al loro cambiamento?