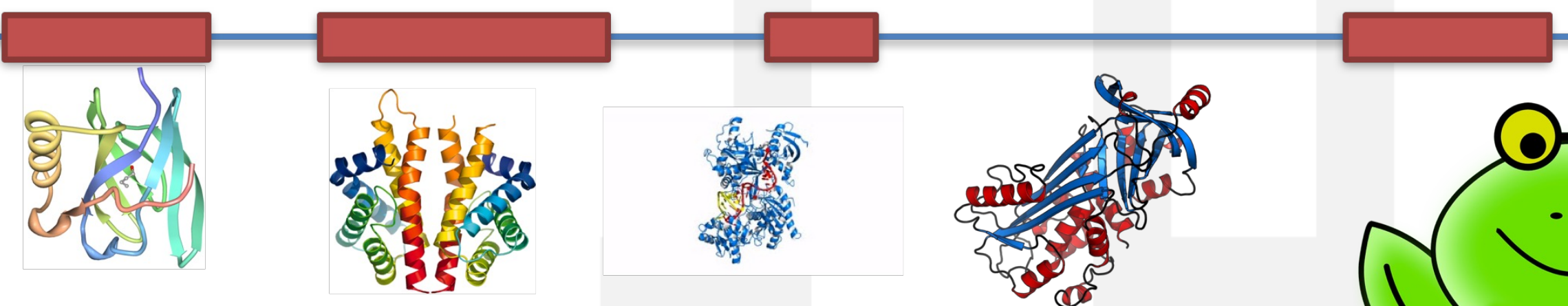


- Geralmente referenciada como “sequenciamento de DNA”
- Genômica
 - Montagem
 - Anotação
 - Análise comparativa
- A presença/ausência de um gene está associada a alguma função?
- Ortologia ou Paralogia
- Perda de função e seleção natural



O que sai do sequenciador?

@M01838:7:00000000-C747T:1:1101:15246:1686 1:N:0:58
TACGTAGGGGGCAAGCGTTGTCCGGATTGACTGGGCTTAAAGGGCGTGTAGGCCGCCTGTTAAGTTTGATG
TGAAATTCCTCCTCTCAAGGTGTGCTTTGCTTTTTATCCTGTCTGTCTTGATTCCGGAAGAGGTAATTGGA
ATTCCCATTGTAGCGGTGACATTCTTAGAGTTTGGTAGGAACTCCAGTTGCGAAGGCCACTTCCTTGCCCT
TAACTGACGCTTATGCGCGCCAGCGTGCGTATCCAACAGGATTCTATAACCCGGTAGTCCTGCTGGCTTAC
TATCTCTTATTCCTTCT

+
C<CCCC<@CCEC@FGGGGGFGGGC@7,8,;;C6,,,,,6678+89B,9,+68@,,66,AC,<,,,,
<9,,,69,A,,:,9<,95,:,,,,,9<,95A@,44,,5A,:,,,,,9B?,6,9,9,++++,,9,,,4,,6
,8AD=,,,7,7;+6++6+6,,6,;,6;9*+*66,+*+,)*,5+@@)0?87:*****1*01:A*1:,,,)0)
3,,.:**0)-5((*.8(6((*22())6:(((((/++26(,)3.:)-)))+3<C(((-((:<-
+434538*)5<)))-6)6)1.64)6<2