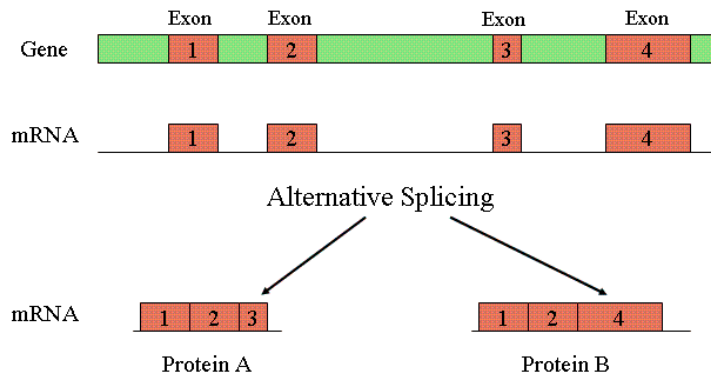


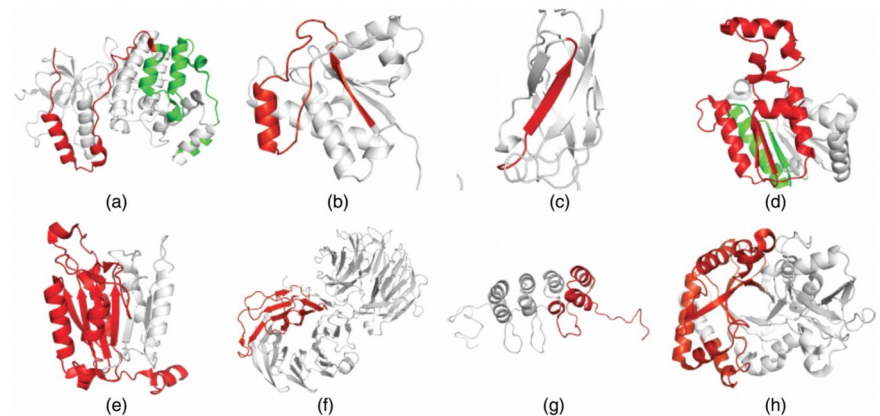
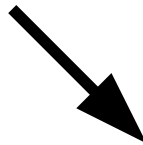
Differential Analysis of Sequencing Data

<https://youtu.be/aVgwr0QpYNE>

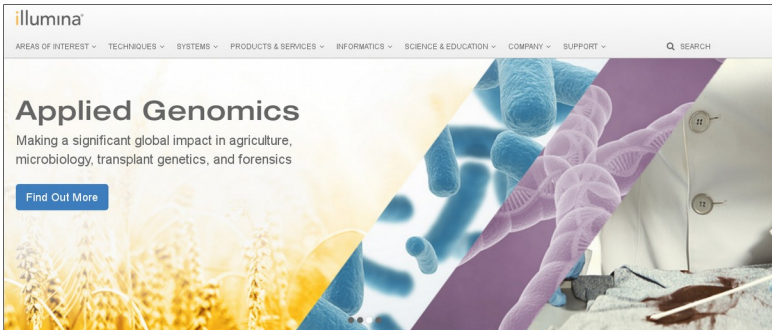


Alternative splicing leads to changes in the resulting protein's 3D structure and therefore possibly its function

We want to detect such differences on the sequence level between samples of different conditions, e.g. healthy and sick cells



What we get:



Sequencing Solutions

Explore a wide variety of next-generation sequencing (NGS) methods, and find complete solutions to meet the unique needs of

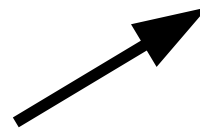
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[Compare NGS platforms](#)

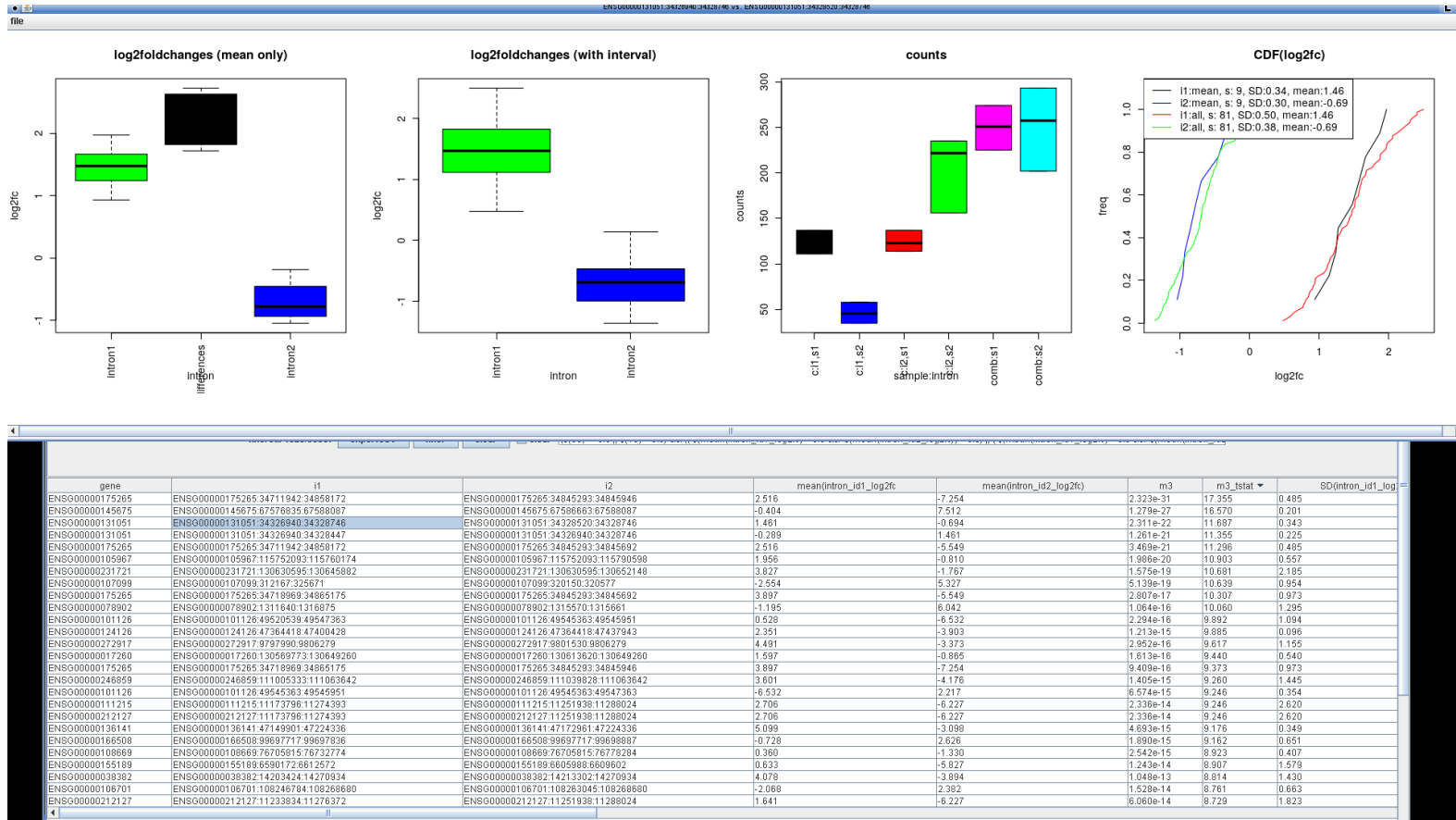


```
@1:23146-31227W:AT1G01040.1:2:6251:4969:5352/1
GTGGAGGATGATCCTGATGAAGTCGATGGAACATTGAAAAATGTTAATGTTCCAGAGAGTGTCTCAAGAGCATCGACTTTGTTGGTCTTGAGAGAGCTC
+
:DGGDD>DB@<D8==?8@DD>=5<FGGGIIIIEDDEIG@GGGGIIHGIIBDHIHIIIIIDIIIIIIHHH<CCA@8<>??=BBE@BB@?@DDE>B
@1:23146-31227W:AT1G01040.1:3:6251:6079:6396/1
CTTTTAAATAAAACTTTTTCTTGATCTTTTACTCTTCAACGAGATGTAGTCATTACATTTTAAACCTTAAACCATAGTGGTTGACTGTTTTAATT
+
:HIIIIIIIIFFGHIIIIIIIBBBB?:1<=DIIHHHII>GGGGGIDB9::5:3/08DIIIEHBBGBFB=<@8DDGHEEGGIIIDBIDD
@1:23146-31227W:AT1G01040.1:4:6251:34:390/1
CGATAGACCGTGAATCTCAGAATCACAAACATTTGCAAAAGGTTTTCAATTCCTATTTATTACAAAGAAATCATCAATAGTAGTGTCTCTAGGTT
+
I4EEFGIE@DGIIGGGBIIIIHHIIIIIIIIH@GGGIIIBAAB=7BD@HFHIIHIIHHHFHIIIFEDD>B::7:@AC?BEEEBFIIHIIHII
@1:23146-31227W:AT1G01040.1:5:6251:6037:6391/1
GTTAAGAAAGCTAAGGATTCAGTCGGCTTCTTCTACTGAGCTTTTAAATAAACTTTTTCTTGATCTTTTACTCTTCAACGAGATGTAGTCATTA
+
IFEE?:GGGIIIIIIIIIIIGIDG:-BIHIFE@GIHHHIIIIIIIE>BFBEHIIIGHHIIHIDIGGIHGGFE?DBEEDBBEHHGGGEEB
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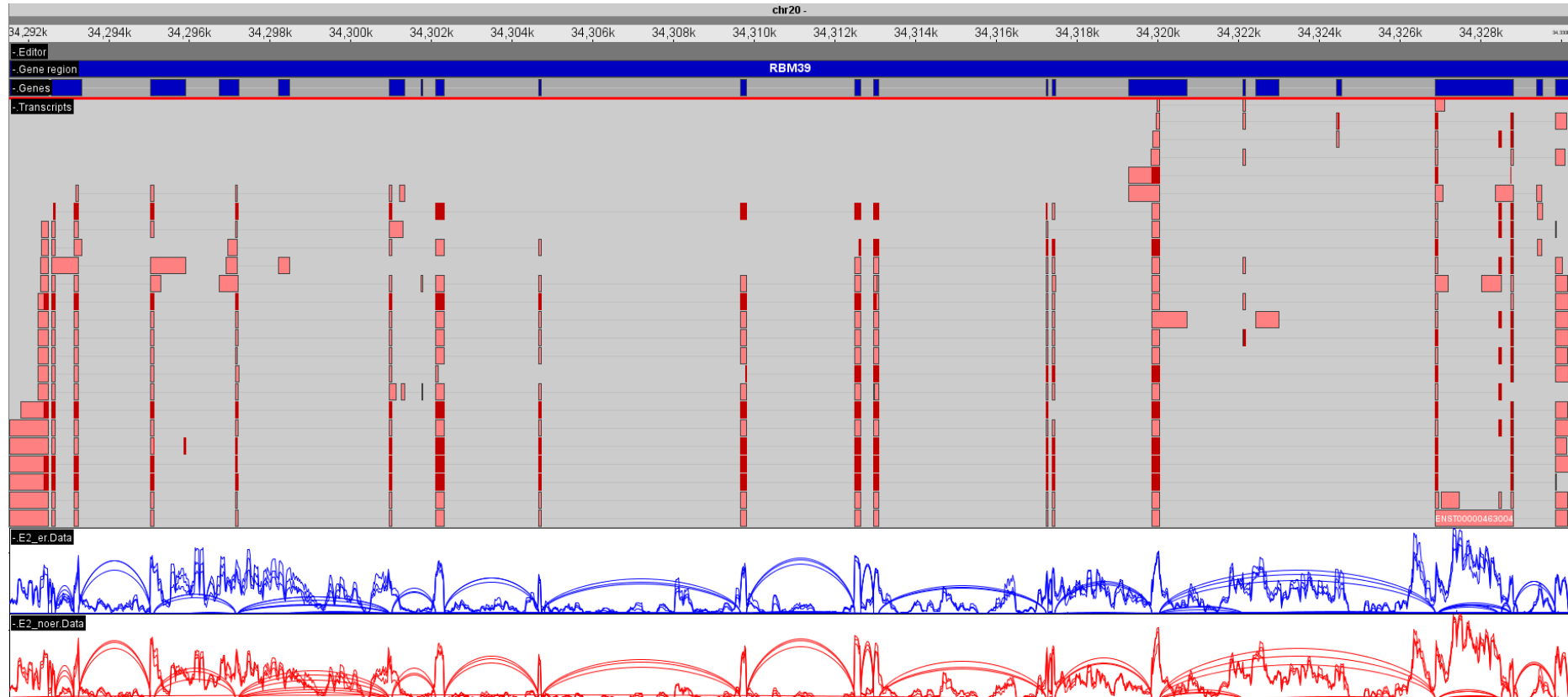


(<https://youtu.be/fCd6B5HRaZ8>)

What we do: build the tools to detect differences



Visualization of the results: gedi_viewer



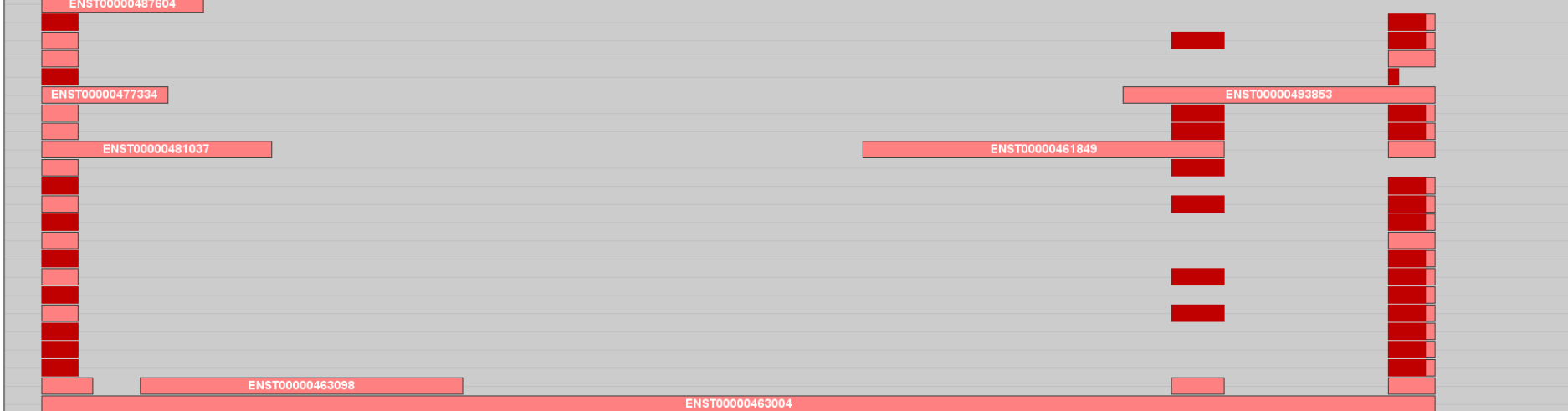
chr20 -

34,326,900 34,327,000 34,327,100 34,327,200 34,327,300 34,327,400 34,327,500 34,327,600 34,327,700 34,327,800 34,327,900 34,328,000 34,328,100 34,328,200 34,328,300 34,328,400 34,328,500 34,328,600 34,328,700 34,328,800 34,328,900

Editor RBM39

Gene region ENSG00000131051

Genes



E2_er.Data

