1. Set preferences for viewing RNA-seq data



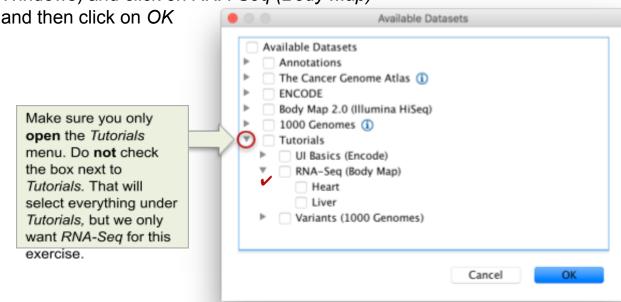
2. Load data

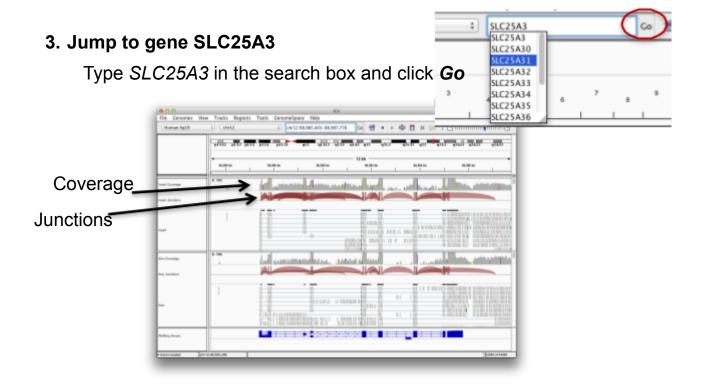
Select Human hg19 from the genome dropdown



menu Click File > Load from Server

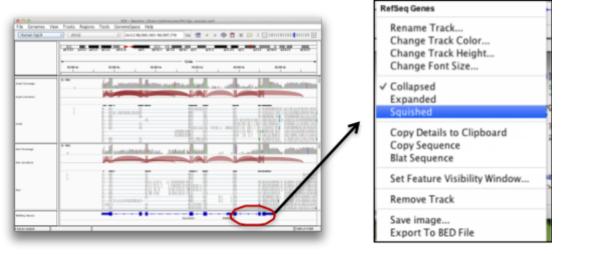
Open the *Tutorials* menu (Use on Mac,and on Windows) and click on *RNA-Seq* (Body Map)





4. Expand gene track to see isoforms

Right-click over the RefSeq Genes track, and select Squished



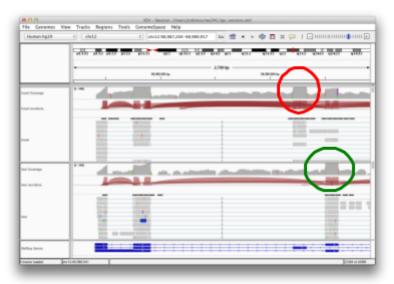
5. Zoom in on first 3 exons

Click and drag in ruler region over area shown



6. Note evidence of alternative splicing.

Observe which isoforms in the RefSeg track are expressed in each tissue.



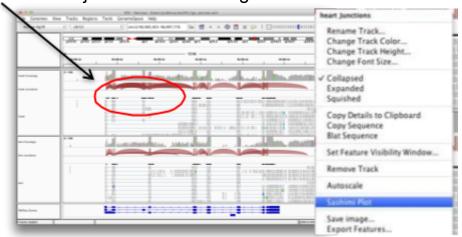
7. Zoom back out to view whole gene

Click the back button in the command bar to zoom out to previous view

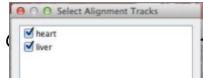


8. Open Sashimi plot

Right-click over junction track or alignments and select "Sashimi Plot"



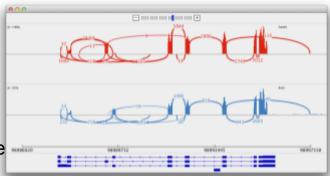
Verify both heart and liver are checked, and click of



9. Examine Sashimi plot

Note:

- Arcs represent reads spanning exon junctions
- Peaks represent exon coverage



10. Filter out low-count splicing events

Right click over red (heart) track and select **Set Junction Coverage Min**. Enter **50** and click **OK**.

Repeat for blue (liver) track.

Junction Coverage Display Set Exon Coverage Max Set Junction Coverage Min Set Junction Coverage Max Set Color Show Exon Coverage Data Text Circle None Combine Strands Forward Strand Reverse Strand Save Image...

11. Compare with non-filtered view

