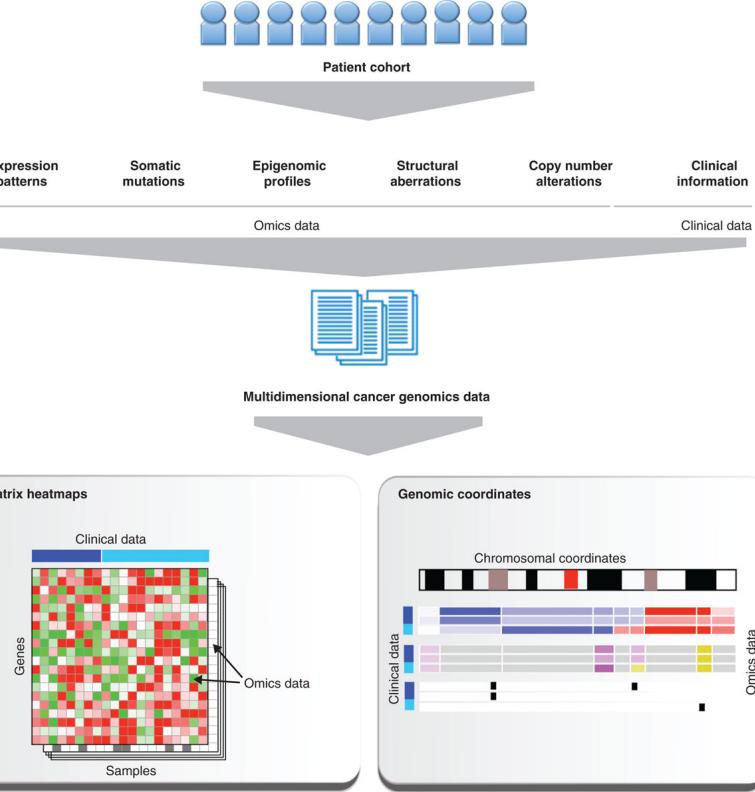


Circos Plot

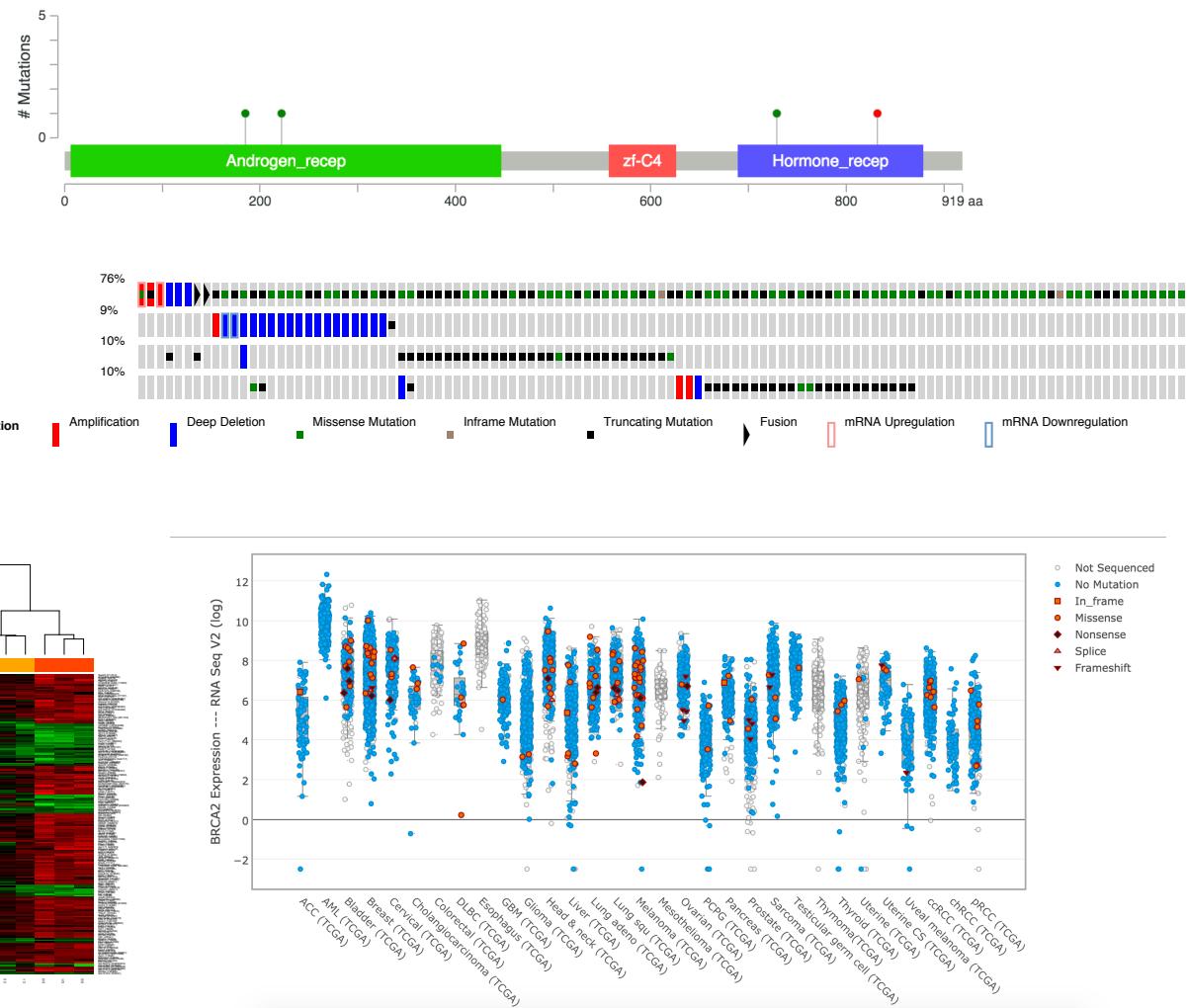
Problemática

- Diferentes tipos de datos
- Datos complejos
- Las imágenes en artículos suelen ser muy pesadas, poco informativas.
- Se está generando una gran cantidad de datos, el paso limitante es el análisis incluyendo la visualización.

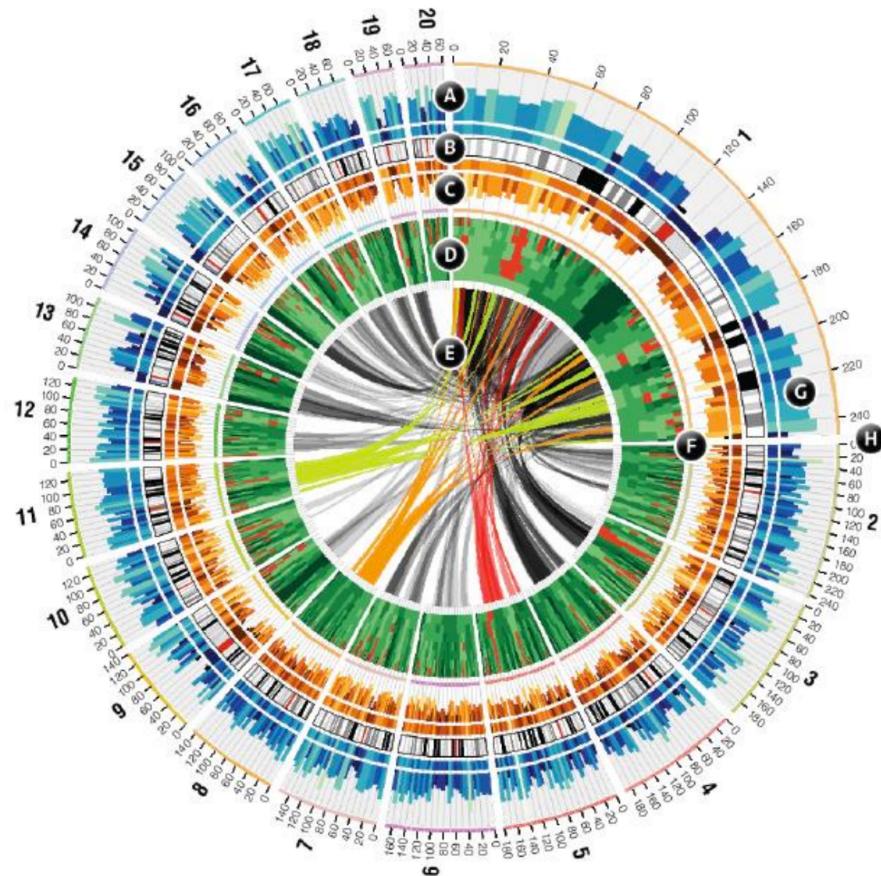




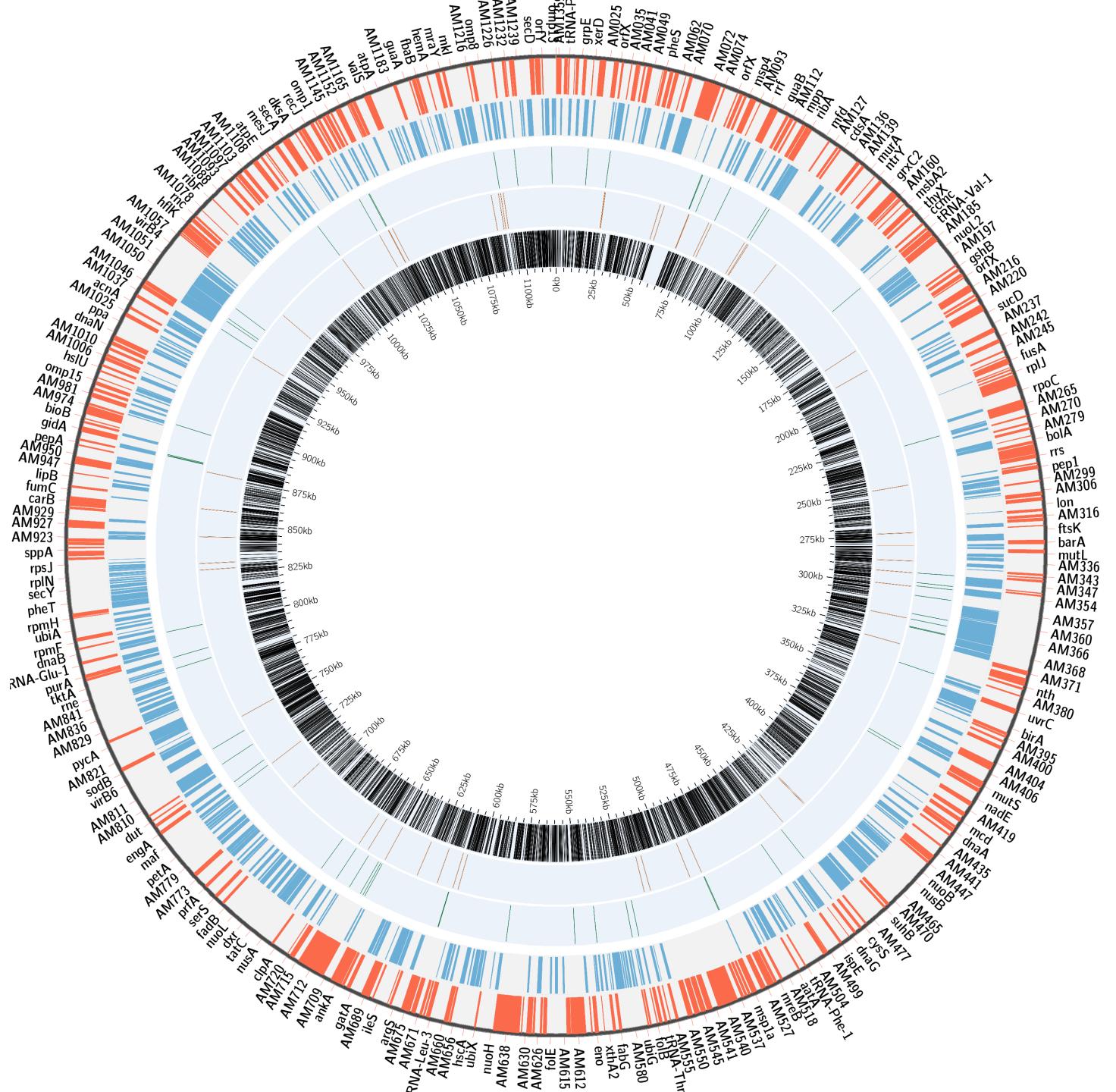
Datos multidimensionales



Características

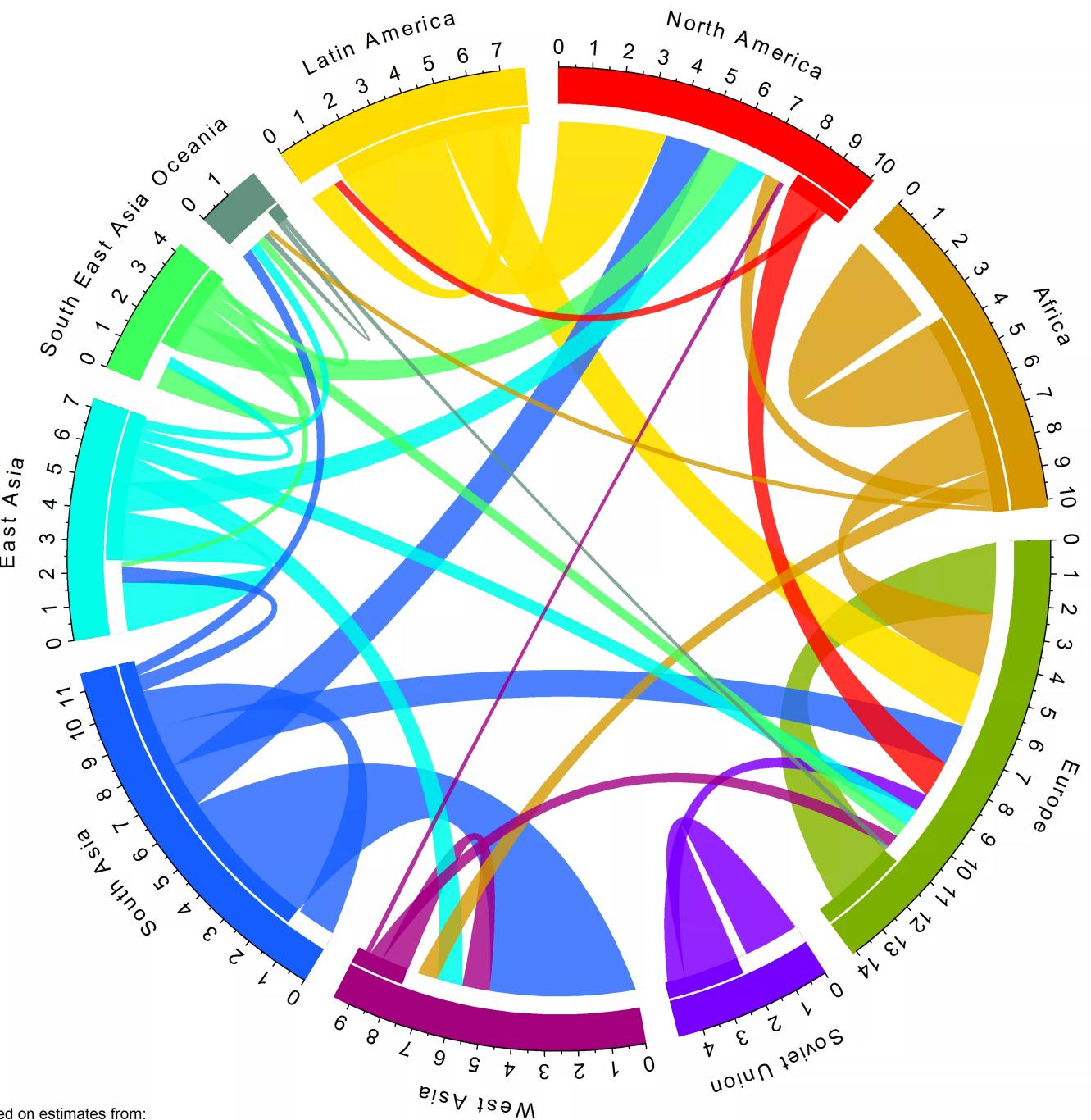


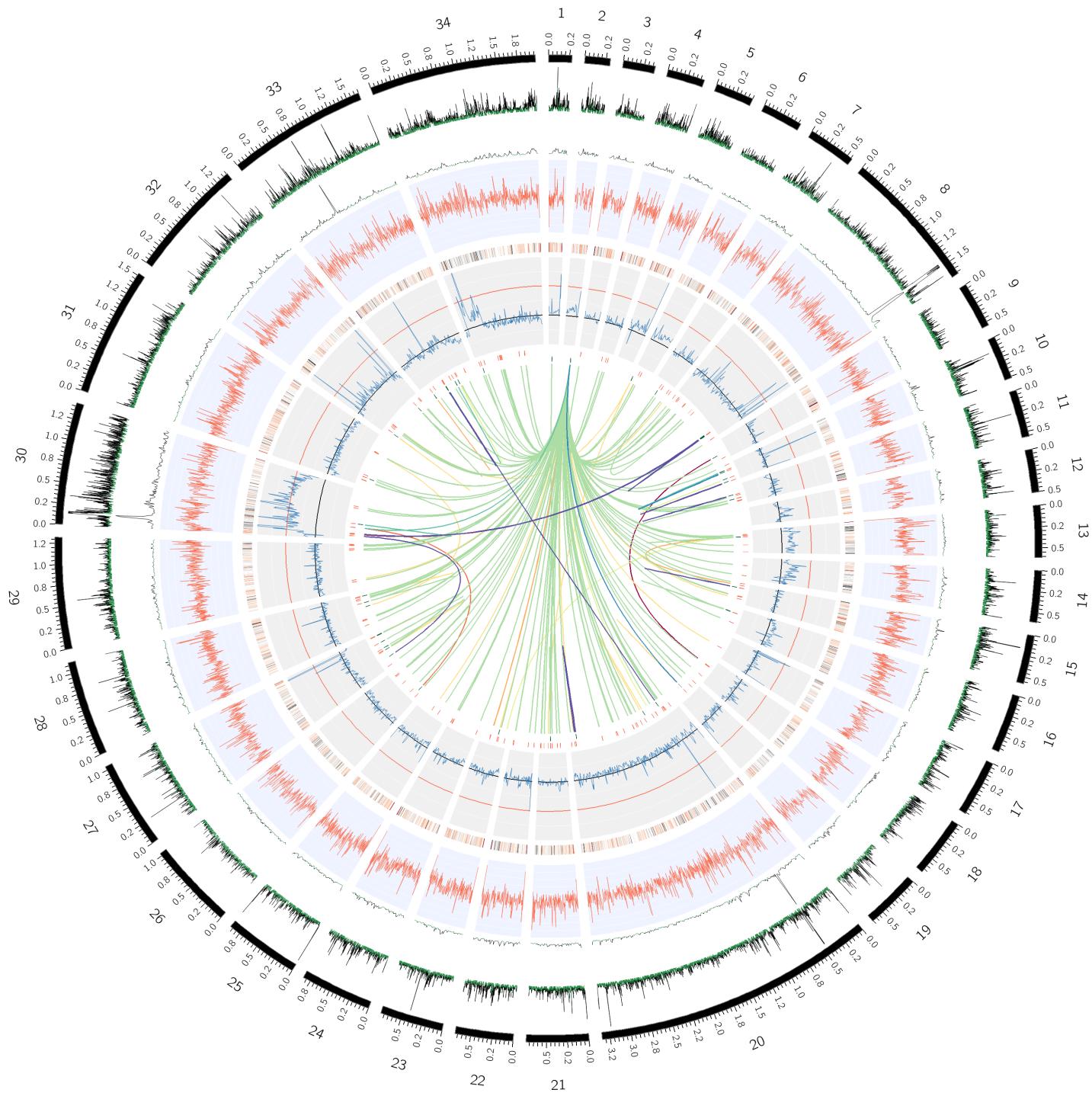
- A) Histograma
- B) Ideogramma
- C) Histograma (invertido)
- D) Heatmap
- E) Links
- F) Resaltados
- G) Grids
- H) Ticks.



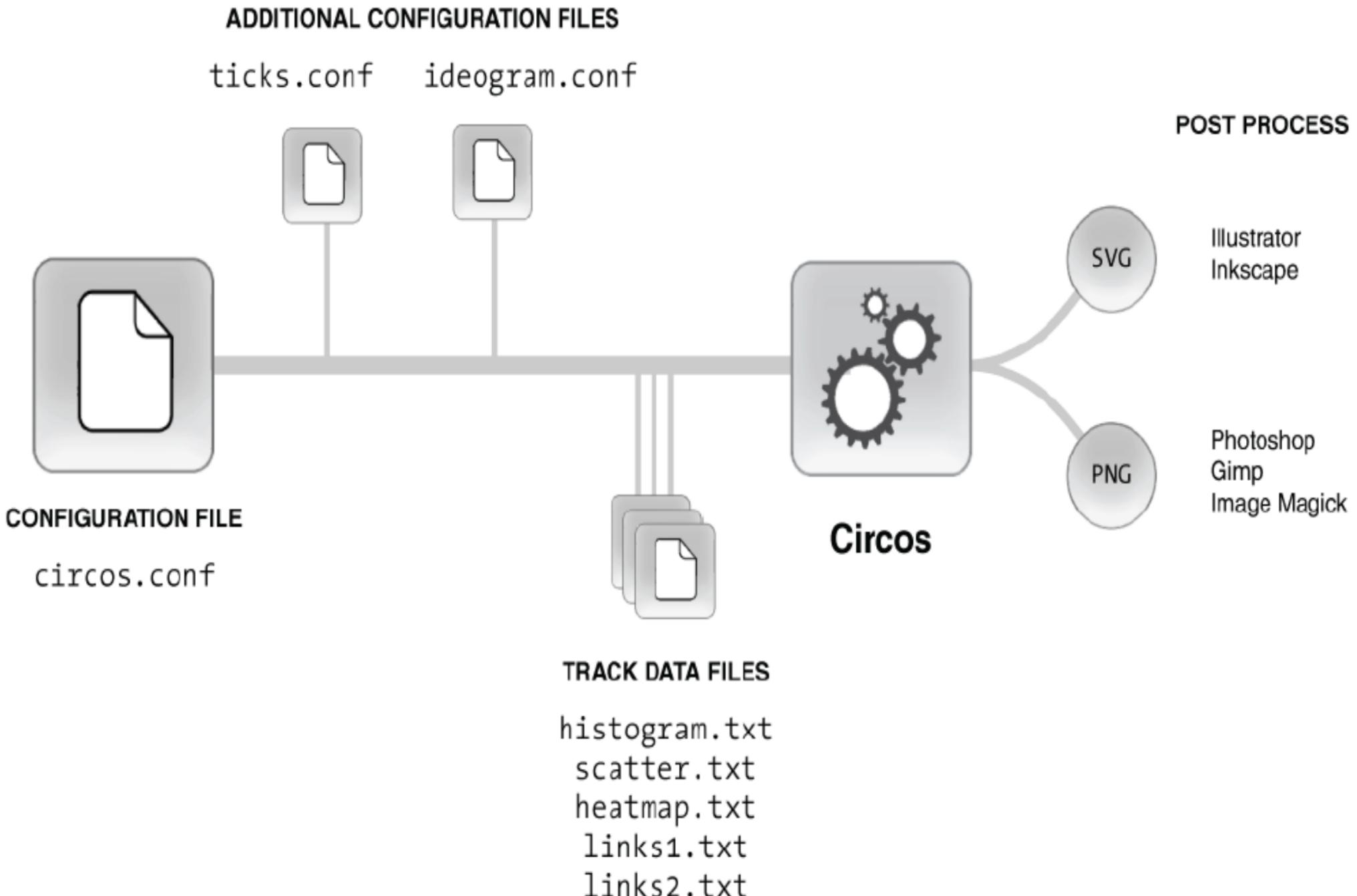
- Gráficos de buena calidad
 - Datos genómicos
 - Genomas bacterianos
 - Cancer

Otras aplicaciones





```
#Leishmania Circos Fusiones
karyotype = karyotype.txt
chromosomes_units = 10000
chromosomes_display_default = yes
show_ticks      = yes
show_tick_labels = yes
<ideogram>
<spacing>
default = 0.005r
</spacing>
# Ideogram position, fill and outline
radius          = 0.90r
thickness       = 20p
fill            = yes
stroke_color    = dgrey
stroke_thickness = 2p
# Minimum definition for ideogram labels.
show_label      = yes
label_font      = default
label_radius    = 1.075r
label_size      = 30
label_parallel   = yes
</ideogram>
<ticks>
radius          = 1r
color           = black
thickness       = 2p
multiplier      = 1e-6
format          = %.1f
<tick>
spacing         = 5u
size            = 10p
</tick>
<tick>
spacing         = 25u
size            = 15p
show_label      = yes
label_size      = 20p
label_offset    = 10p
format          = %.1f
</tick>
</ticks>
file=todas_depth.v3.0.png
<links>
```



Algunas alternativas



- <http://mkweb.bcgsc.ca/tableview/>
- Rcircos; OmicCircos
- ClicO FS (Ruby)
- GraPhlAn
- Etc...