





## Bioset Generation

Enriched regions identified by QuEST create a bioset. Regions are ranked based on fold ChIP tag count.

For each region, the following data are collected from QuEST output files:

- Chromosome
- Start
- End
- Max position
- Peaks
- ChIP signal
- Control signal
- ChIP tag count
- Control tag count
- Tag enrichment fold
- Q value
- P-value

## Post-Processing Analysis

At the postprocessing stage, studies with older genome versions are converted to the current genomic build. Chromosome identifiers are modified to naming conventions for BaseSpace Correlation Engine.

## References

1. Edgar R, Domrachev M, Lash AE. Gene Expression Omnibus: NCBI gene expression and hybridization array data repository. *Nucleic Acids Res.* 2002;30(1):207–210.
2. ENCODE Project Consortium. The ENCODE (ENCyclopedia Of DNA Elements) Project. *Science.* 2004;306(5696):636–640.
3. Valouev A, Johnson DS, Sundquist A, et al. Genome-wide analysis of transcription factor binding sites based on ChIP-Seq data. *Nat Meth.* 2008;5(9):829–834.

AAAGAATGATAACAGTAACACACTTCTGTTAACCTTAAGATTACTTGATCCACTGATTCAACGTACCGTAACGAACGTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGCTACCGTCTTCTGTTAACCTTAAGATTACTTGATCCACTGATTCA  
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