Dizi Yerlestirme ve Varyant **Tespiti Pratigi**

Tugce Bilgin Sonay



- 156 kisinin mitokondriyal DNAsi
- Agizdan veya kandan ornek
- 20,000X dizi derinligi



Maternal age effect and severe germ-line bottleneck in the inheritance of human mitochondrial DNA

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Footnotes

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Author contributions: B.R.-J., M.S.-W.S., F.C., R.N., M.M.H., I.M.P., A.N., and K.D.M. designed research; B.R.-J., M.S.-W.S., N.S., J.A.M., and B.D. performed research; D.B., T.S.K., and R.N. contributed new reagents/analytic tools; I.M.P. organized sample collection; B.R.-J., M.S.-W.S., N.S., and K.D.M. analyzed data; and B.R.-J., M.S.-W.S., N.S., F.C., M.M.H., A.N., and K.D.M. wrote the paper.

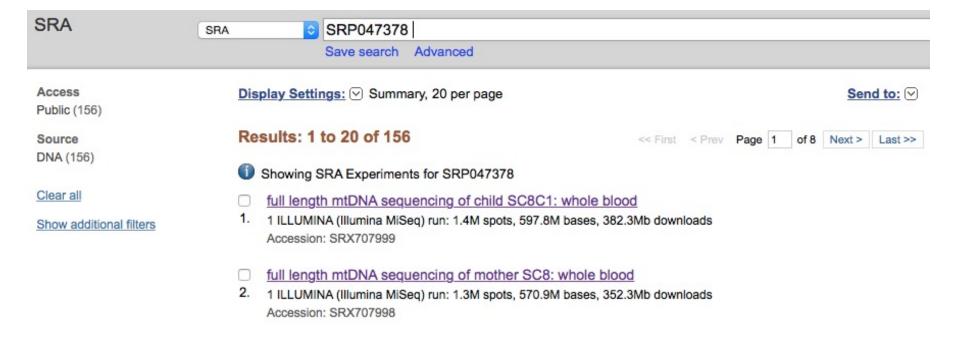
The authors declare no conflict of interest.

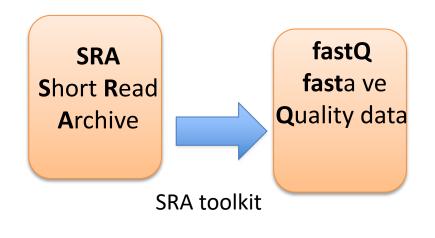
This article is a PNAS Direct Submission.

Data deposition: The sequences reported in this paper have been deposited in the Sequence Read Archive, www.ncbi.nlm.nih.gov/sra (accession no SRP047378)

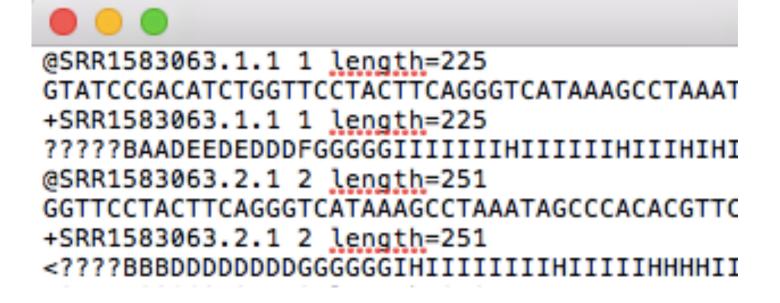
This article contains supporting information online at www.pnas.org/lookup/suppl/doi:10.1073/pnas.1409328111/-/DCSupplemental.

SRA Short Read Archive





- Gene ID, uzunluk
- Fasta dizisi
- Gene ID, uzunluk
- Kalite verisi



Dizinin kalite degerleri

kalite degeri: 30 -> baz %99.9 ihtimal dogru



Dizinin kalite degerleri

kalite degeri: 30 -> baz %99.9 ihtimal dogru

kalite degeri: 10-baz %10 yanlis.



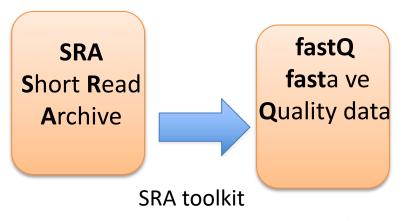
Dizinin kalite degerleri

kalite degeri: 30 -> baz %99.9 ihtimal dogru

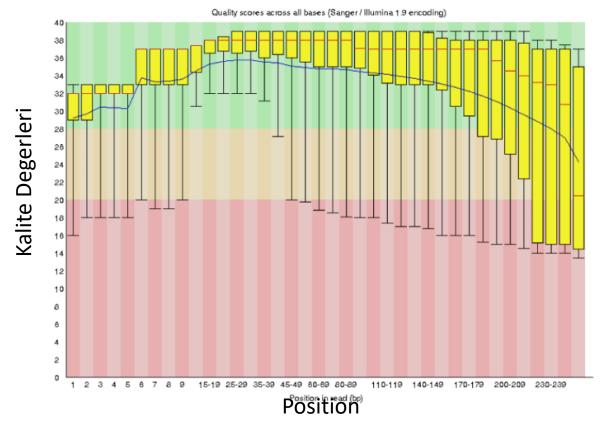
kalite degeri: 10-baz %10 yanlis.



bazin ne oldugu belirlenemediyse N



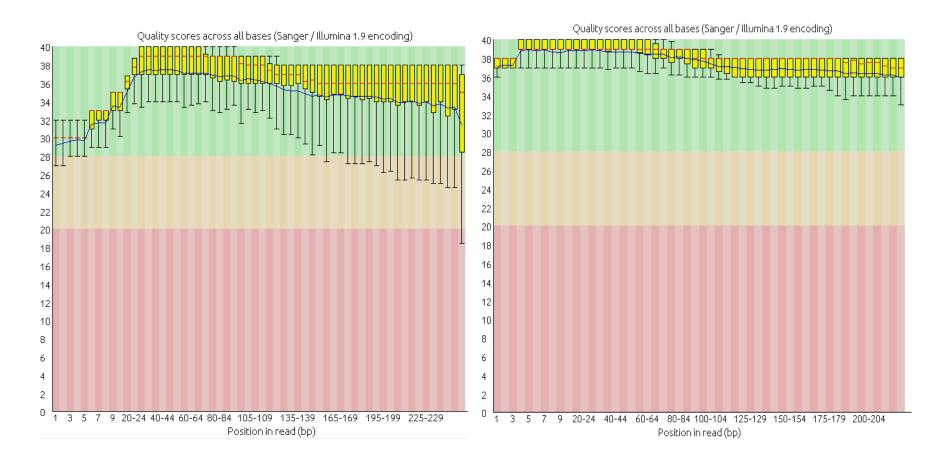
FastQC

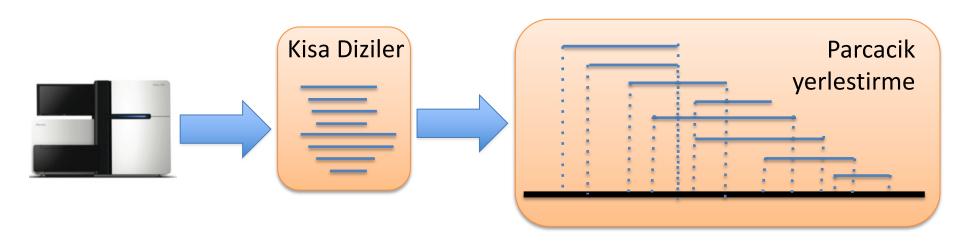


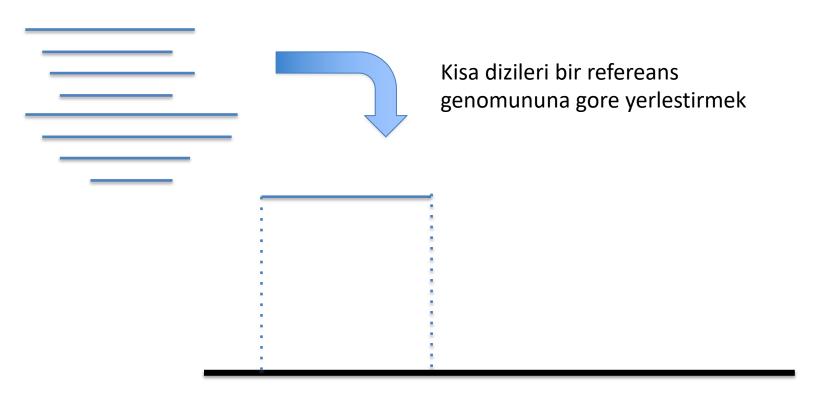
- Bastaki ve sondaki kotu kalite bazlari kes
- Aralardaki kotu kalite bazlari filtrele

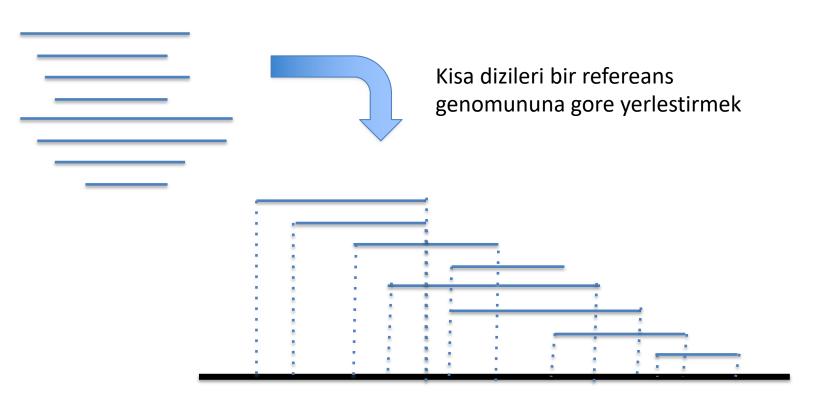
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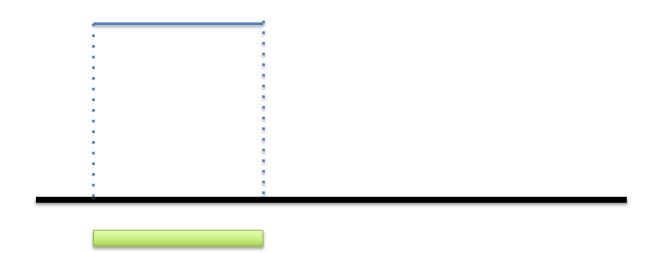
Sonrasi

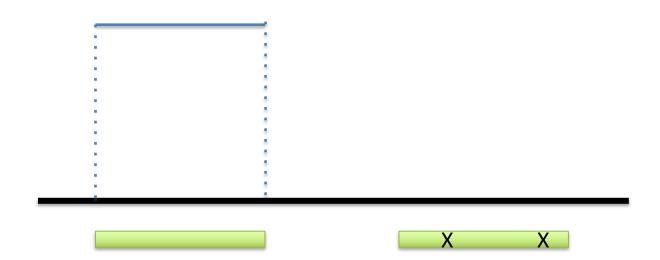


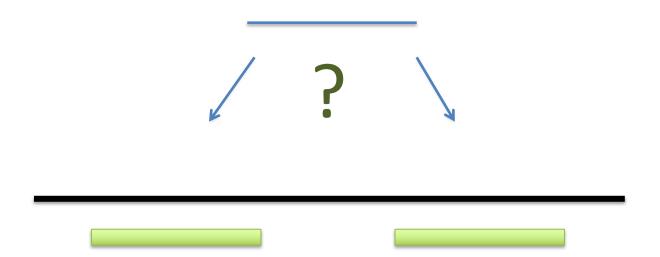




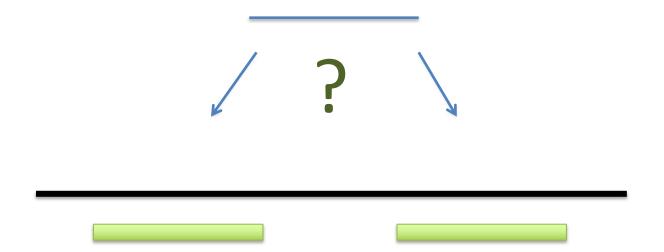


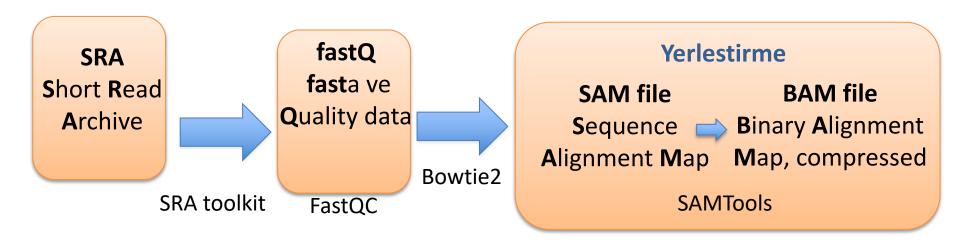


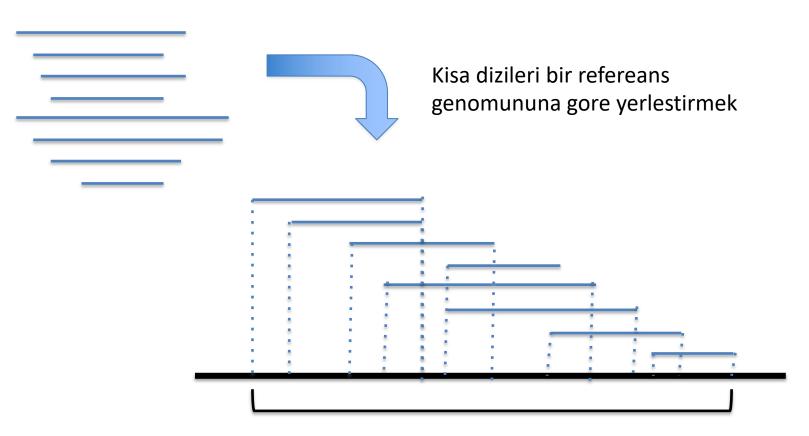




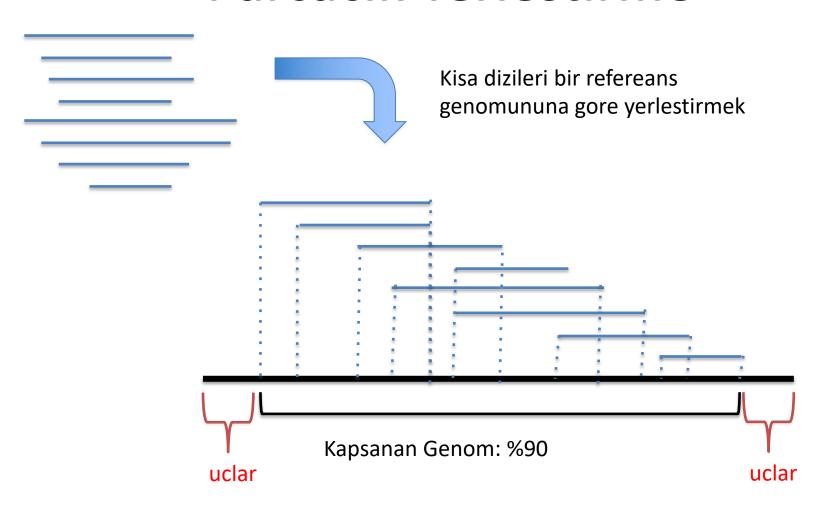
Bu parcacik genoma yerlestirilirken ne kadar kesin konusabiliriz?

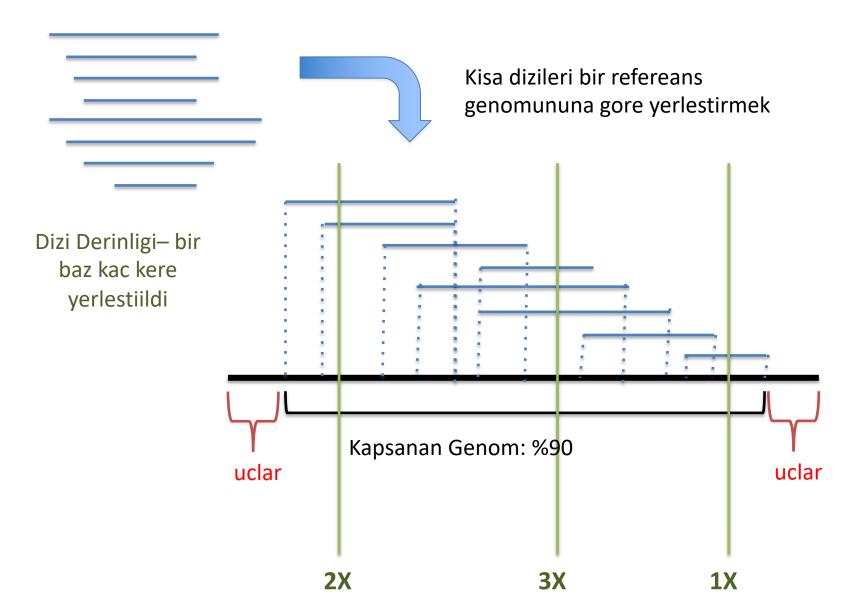


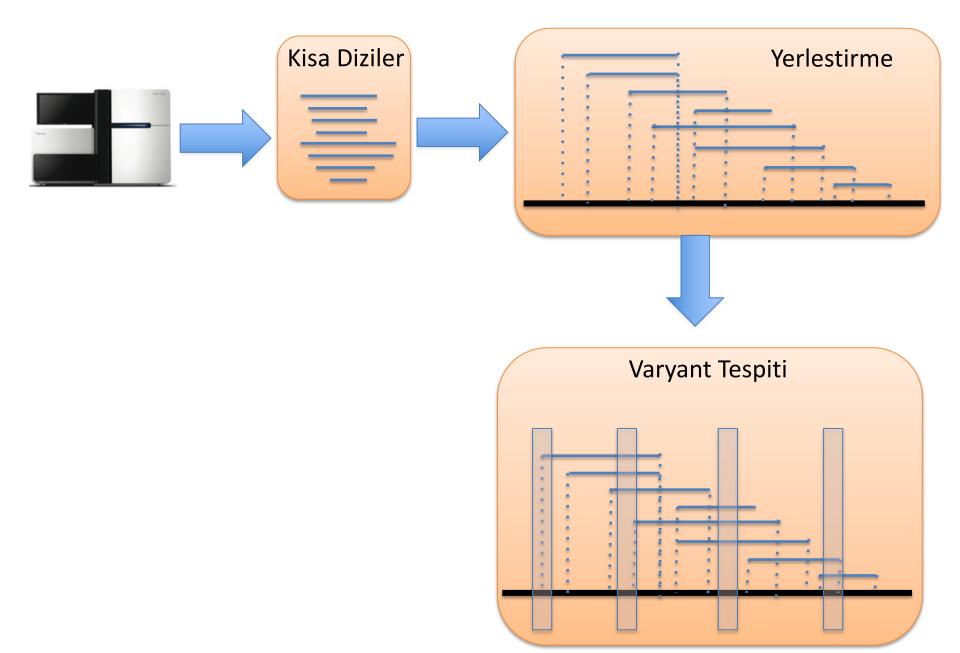




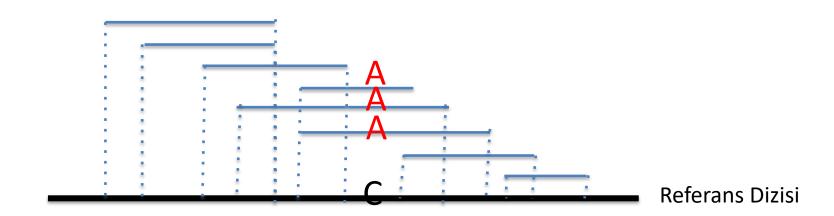
Kapsanan Genom: %90



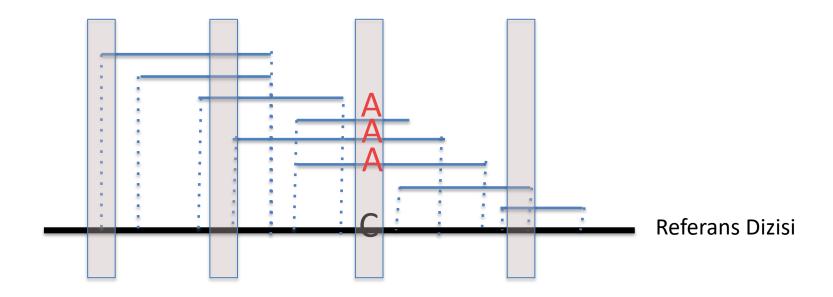


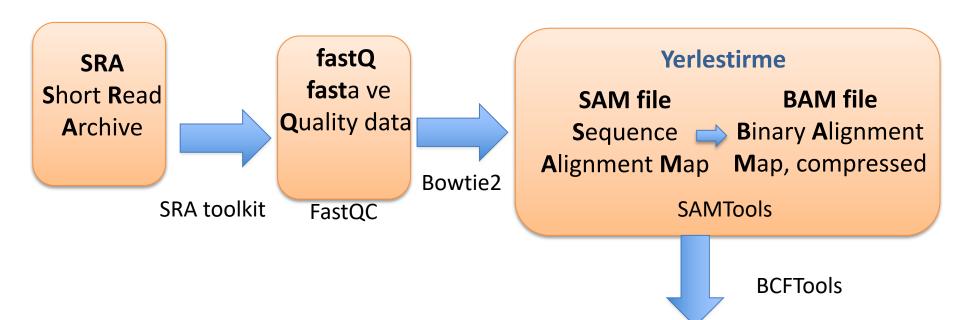


Varyant Tespiti



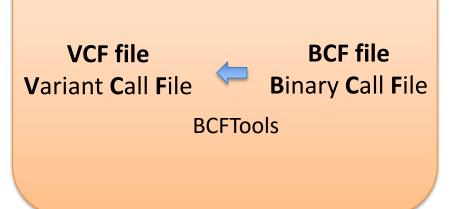
Varyant Tespiti





Varyantlar

- SNPler
- indeller



Varyant Tespiti

Variant Call File Format

