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STATE

- *De novo* shotgun, amplicon and paired-end sequencing
- Transcriptome sequencing and analysis
- Custom data management and analysis pipeline
- Microsatellite markers development
- Phylogenomics and DNA resequencing
- Genome browser web-interface and FTP

From custom GBrowse displays to developing transcriptome and *in silico* genotyping analysis tools, our services end at the desired level of completion.

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## Sequencing beyond A's, C's, G's, and T's

Roadrunner Genomics Labs at New Mexico State University offers Roche 454 GS-FLX sequencing and bioinformatic services.

Innovative analyses and visualization are presented to investigators through our web-interface, Genome Browser.

## Variant Detection

Comparative sequencing projects greatly benefit from the 454 GS-FLX sequencing capabilities and our variant detection displays within Genome Browser. To focus on biologically relevant polymorphisms in your project, Genome Browser automatically displays polymorphic sites as synonymous and non-synonymous substitution variants.

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