basepair

NGS Insight

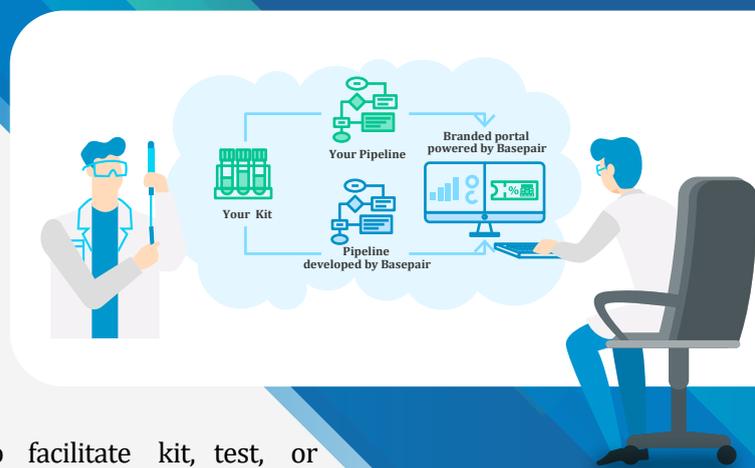Your Kit — Your Pipeline — Branded portal powered by Basepair — Pipeline developed by Basepair

Transform the way NGS data is analyzed

Basepair is a second-generation SaaS platform designed to facilitate kit, test, or assay bioinformatics. Rather than designing and depositing the optimal pipelines in GitHub or leaving your customers to figure it out on their own, deploy them on a white-labeled version of Basepair so that they can be run by bench scientists with no coding required, all whilst retaining users in your ecosystem. What's more, with Basepair's innovative coupon-based business operations layer, you can bundle analysis at the point of sale of the kit, enabling you to monitor kit usage and performance in real time.

Branded Web Portals

○ Easy white-labeling of the platform to make it look and feel like a company branded application

○ Back end coupon technology enables seamless bundling of analysis with the sale of a kit, assay or test

○ Real time access to kit usage and performance data

Sample-Centric Usability

○ Point & click graphical user interface designed by bench scientists for bench scientists

○ Sample meta data layer complements pipeline orchestration in the cloud to enable complete sample provenance and interactivity between wet and dry labs

○ Powerful CLI and APIs to facilitate automation and integration with third party applications

Connected Cloud

○ Leverage your own compute and storage resources by connecting the platform to your own cloud account

○ Alternatively, plug-and-play by uploading data to the Basepair cloud to leverage multi-cloud, multi-region availability with low activation levels for new regions

○ Go-to-market globally by enabling your customers to run analyses in their own cloud accounts

Support

○ Basepairs' scientists are available to help both you and your customers by phone, email or in person

○ Interactive help and extensive documentation make for an improved customer experience

○ Basepairs' bioinformaticians can work alongside you to optimize pipeline performance and deployment, as well as to eliminate the gap between kit release and associated bioinformatics support

Provide more NGS analysis solutions without additional hires or infrastructure

As a producer of genomics applications, you pride yourself on the quality of your products and as an enabler of cutting-edge science. Yet the value of the data generated by your products can only be fully realized if it can be easily analyzed and made sense of. Depositing analysis pipelines into GitHub or making them available on a server or via FTP download can potentially limit your customer base to those that have the required bioinformatics resources to utilize methods in that form, or can place an unnecessary support burden on your own internal team. What if you could easily deploy those same pipelines via a company-branded, easy-to-use web portal in a way that allowed the seamless bundling of analysis with the sale of the kit or assay to be able to monitor kit usage and performance in real time? Introducing Basepair. NGS Insight.

✉ sales@basepairtech.com   🌐 www.basepairtech.com
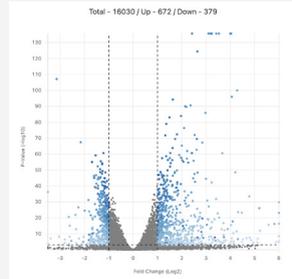
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Meaningful results with beautiful visuals and interactive reports

Use Basepair's user-friendly interface to give the colleagues you work with easy to understand results. If you don't have your own, our out-of-the-box pipelines use industry standard tools and support the more common NGS data types, including bulk & single cell RNA-seq, ChIP-seq, ATAC-seq, WES, and WGS, but if you can't find what you need its quick and easy to bring your own to the platform as a dockerized container.
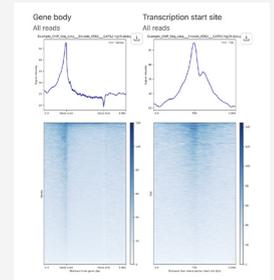
03 TRANSCRIPTOMICS

Use tools like STAR, DESeq2, and Seurat to perform alignment, gene quantification, and differential expression analyses, or run the 10x cellranger pipelines directly in Basepair
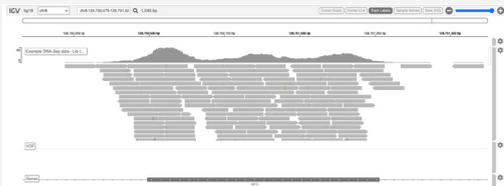
02 EPIGENETICS

Run peak calling and motif analysis on your Epigenetics data like ChIP-seq, ATAC-seq, CUT&RUN, CUT&TAG using tools like MACS2, SEACR and Homer
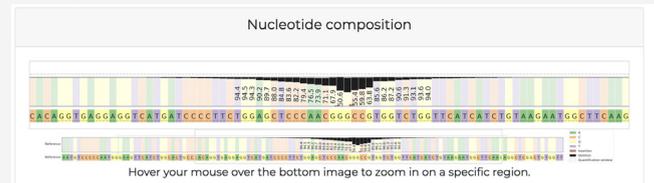
01 WGS & WES

Use tools like BWA, GATK4, Mutect, and Sentieon to perform alignment and variant calling on your Whole Genome, Whole Exome, or Panel data and visualize the results in an integrated IGV genome browser.

04 CRISPR

Analyze CRISPR data using Crispresso for NGS data or TIDE for Sanger sequencing data

Flexible Licensing

Option to pay-as-you-go with per sample pricing and no up front license fee, or alternatively take advantage of annual licenses with a variety of usage bands to benefit from volume discounting or unlimited processing.

Some of our Customers

ACTIVE MOTIF   OUSEQ   Vitrolife   ARIMA GENOMICS

The Basepair platform is trusted by leading commercial organizations and academic institutions around the world and is regularly referenced in high impact journals like Cell, Nature, Cancer Cell and more.

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