



## Twist Bioscience Supplying 3.2kB Genes to Ginkgo Bioworks

January 11, 2017

— *Longer Synthetic DNA Accelerates Customer Discoveries* —

SAN FRANCISCO, Calif. – January 10, 2017 – Twist Bioscience, a company accelerating science and innovation through rapid, high-quality DNA synthesis on silicon, today announced that it is now shipping genes up to 3,200 base pairs (3.2 kilobase or kB) in length to Ginkgo Bioworks under their existing supply agreement.

“Twist Bioscience continues to deliver record volumes of the highest-quality DNA to advance our organism engineering efforts, meeting or exceeding our aggressive timelines,” said Jason Kelly, CEO and co-founder of Ginkgo Bioworks. “With the availability of synthetic genes up to 3.2kB from Twist, we are able to expedite the rapid prototyping of organism designs to generate cosmetics, nutritional ingredients, flavors, fragrances and other important ingredients.”

In November 2015, Ginkgo and Twist Bioscience announced an agreement whereby Twist Bioscience delivered a minimum of 100 million base pairs of synthetic DNA to Ginkgo Bioworks over the course of 2016 — a quantity equal to approximately ten percent of the total DNA synthesis market in 2015. The agreement was expanded in June 2016 to include an additional 300 million base pairs through 2017.

“We have increased our production capacity in parallel with our ability to manufacture longer genes more affordably, and today, with unmatched scale and pricing, we are shipping industry-leading volumes of DNA to customers around the world,” commented Emily M. Leproust, Ph.D., CEO of Twist Bioscience. “In late 2016 we expanded our manufacturing operations, and now, in addition to supporting Ginkgo’s exponential growth, we are supplying DNA to accelerate research across multiple industries including pharmaceutical and biotechnology discovery, agricultural biotech and digital data storage.”

### About Twist Bioscience

At Twist Bioscience, our expertise is accelerating science and innovation by leveraging the power of scale. We have developed a proprietary semiconductor-based synthetic DNA manufacturing process featuring a high throughput silicon platform capable of producing synthetic biology tools, including genes, oligonucleotide pools and variant libraries. By synthesizing DNA on silicon instead of on traditional 96-well plastic plates, our platform overcomes the current inefficiencies of synthetic DNA production, and enables cost-effective, rapid, high-quality and high throughput synthetic gene production, which in turn, expedites the design, build, test cycle to enable personalized medicines, pharmaceuticals, sustainable chemical production, improved agriculture production, diagnostics, biodetection and data storage. For more information, please visit [www.twistbioscience.com](http://www.twistbioscience.com). Twist Bioscience is on Twitter. Sign up to follow our Twitter feed @TwistBioscience at <https://twitter.com/TwistBioscience>.

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