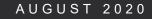


Writing the Future

EMILY LEPROUST, PH.D., CEO and CO-FOUNDER



Legal Disclaimers



This presentation contains forward-looking statements. In particular, statements regarding Twist Bioscience Corporation's ("Twist," "we" or "our") expectations regarding its future financial performance, the impact of the COVID-19 pandemic on Twist's future financial performance, Twist's ability to address the challenges posed by the business and economic impacts of COVID-19 pandemic, diversification and revenue growth across all product categories, introduction of new products, the use of our products by the healthcare sectors for the potential detection and treatment of diseases, expectations regarding newly announced partnerships and expectations and objectives of management constitute forward-looking statements. Forward-looking statements can be identified by the fact that they do not relate strictly to historical facts and generally contain words such as "believes," "expects," "may," "will," "should," "seeks," "approximately," "intends," "plans," "estimates," anticipates," and other expressions that are predictions of or indicate future events and trends and that do not relate to historical matters. Although the forward-looking statements contained in this presentation are based upon information available at the time the statements are made and reflect management's good faith beliefs, forward-looking statements inherently involve known and unknown risks, uncertainties and other factors, which may cause the actual results, performance or achievements to differ materially from anticipated future results. Important factors that could cause actual results to differ materially from expectations include, among others: the risks and uncertainties of the duration, extent and impact of the COVID-19 pandemic, including any reductions in demand for Twist's products (or deferred or canceled orders) globally or in certain regions; the ability to attract new customers and retain and grow sales from existing customers; risks and uncertainties of rapidly changing technologies and extensive competition in synthetic biology could make the products Twist is developing obsolete or non-competitive; uncertainties of the retention of a significant customer; supply chain and other disruptions caused by the COVID-19 pandemic or otherwise; risks of third party claims alleging infringement of patents and proprietary rights or seeking to invalidate Twist's patents or proprietary rights; and the risk that Twist's proprietary rights may be insufficient to protect its technologies. You should not place undue reliance on these forward-looking statements, which speak only as of the date hereof. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements we make. Factors that may cause actual results to differ materially from any future results expressed or implied by any forward-looking statements include the risks described in the "Risk Factors" section of our Annual Report on Form 10-K for the year ended September 30, 2019, and our Quarterly Report on Form 10-Q for the three months ended March 31, 2020, as well as those set forth from time to time in our other SEC filings, available at http://www.sec.gov. We do not undertake to update or revise any forward-looking statements after they are made, whether as a result of new information, future events, or otherwise, except as required by applicable law. We do not undertake to update or revise any forward-looking statements after they are made, whether as a result of new information, future events, or otherwise, except as required by applicable law.

This presentation also contains estimates and other statistical data made by independent parties and by us relating to market size and growth and other data about our industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. Neither we nor any other person makes any representation as to the accuracy or completeness of such data or undertakes any obligation to update such data after the date of this presentation. In addition, projections, assumptions and estimates of our future performance and the future performance of the markets in which we operate are necessarily subject to a high degree of uncertainty and risk.

By attending or receiving this presentation you acknowledge that you will be solely responsible for your own assessment of the market and our market position and that you will conduct your own analysis and be solely responsible for forming your own view of the potential future performance of our business.

DNA is Changing the World

Synthetic DNA Is the Future of Everything



CHEMICALS Sustainability FOOD Food Security THERAPEUTICS Health DIAGNOSTICS Precision Medicine

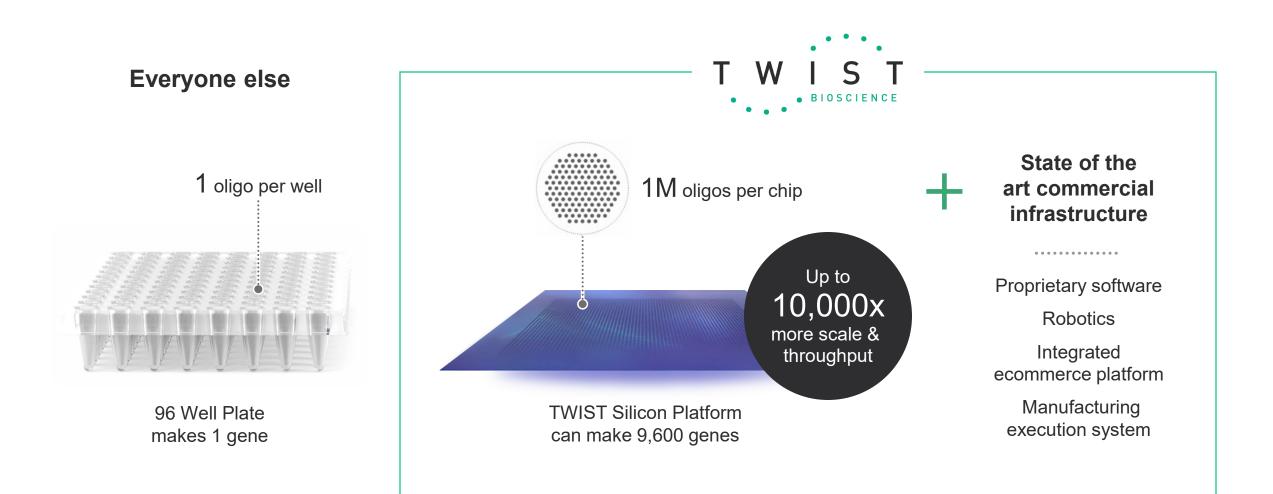
DATA STORAGE Preserving Heritage

CTAGCATCAT AACGCGGGAGACTAG ATGCGAGGTAGCTAGGAG TACGATCGACTAGCTAGGAG ATTACTAGCATCATCA GCTTACAGCAGCTATGATC GCGATCAGCAGCTATG TCAGCAGTCTACTA

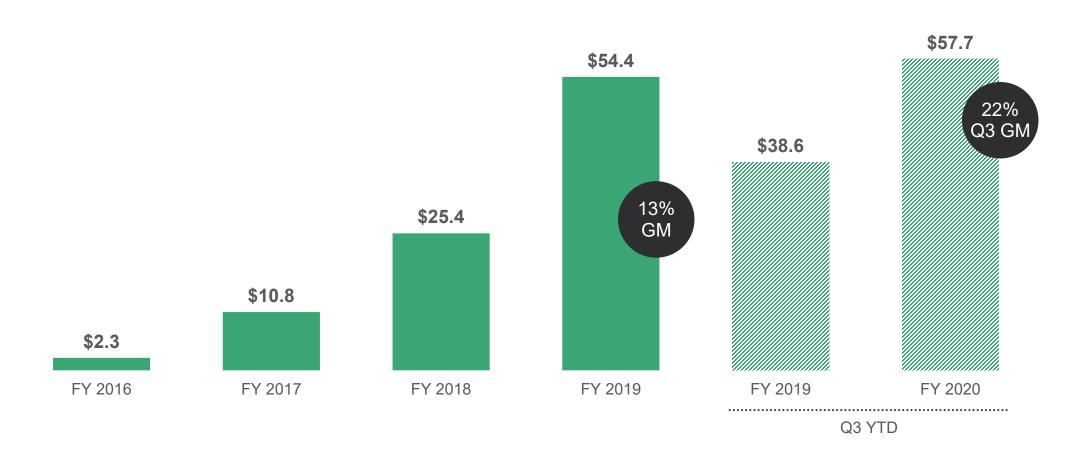


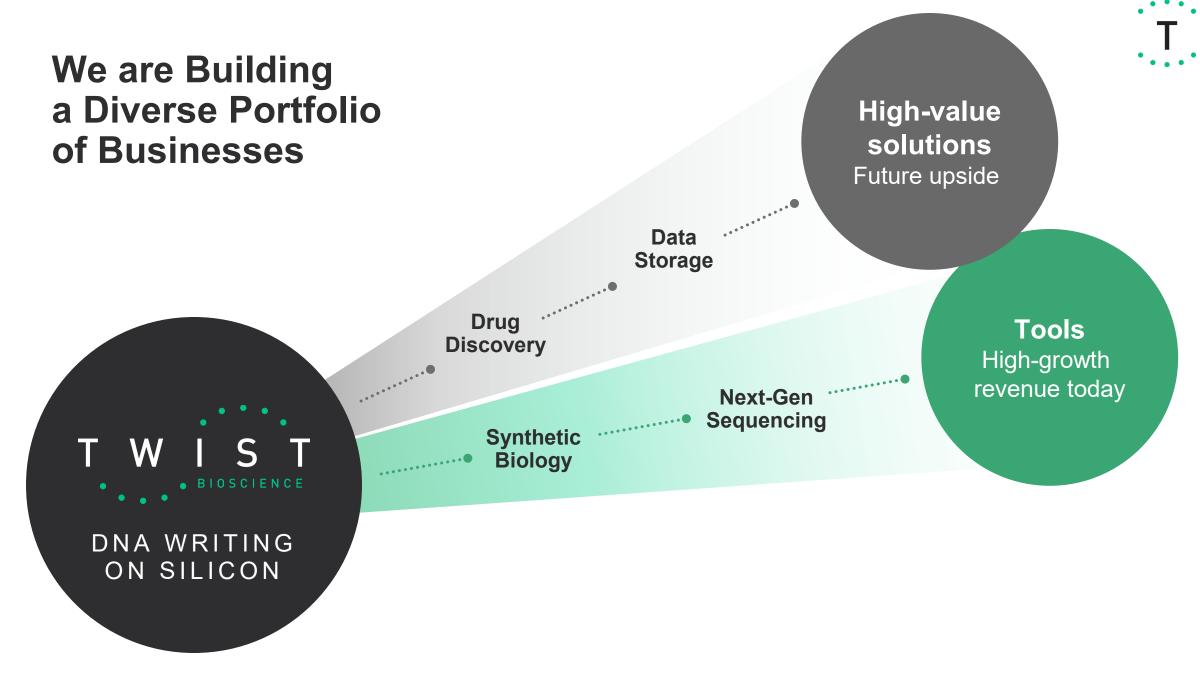


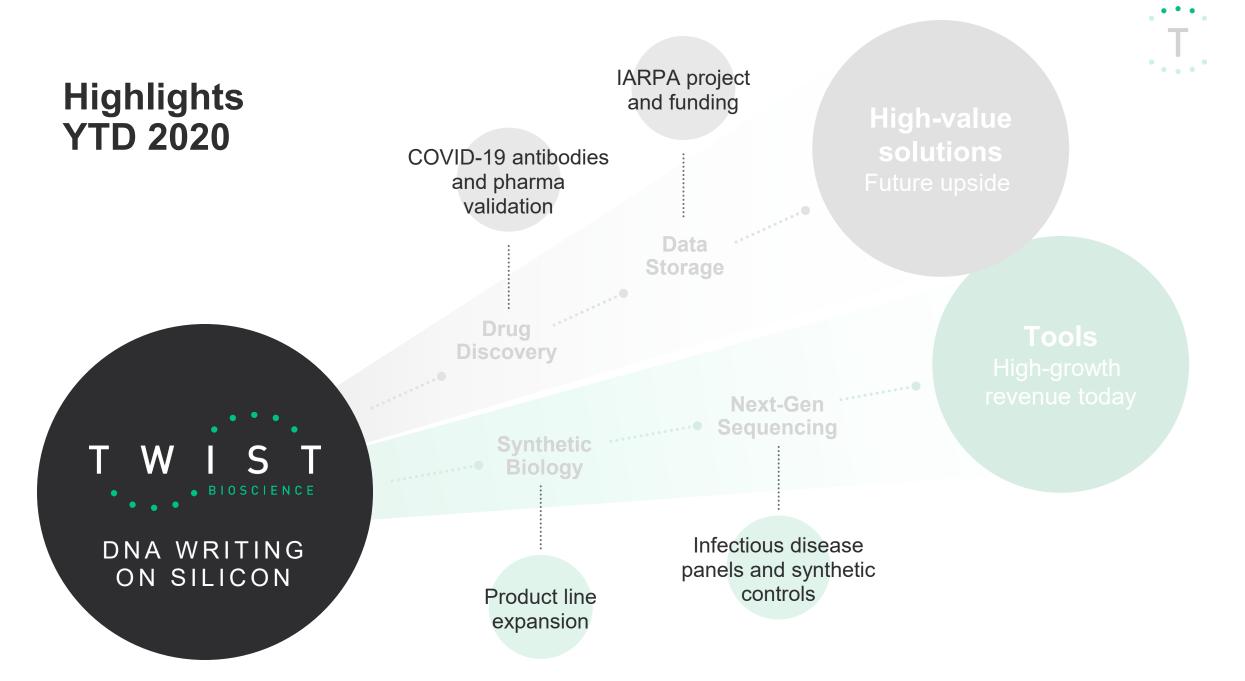
Twist DNA Writing on Silicon Platform

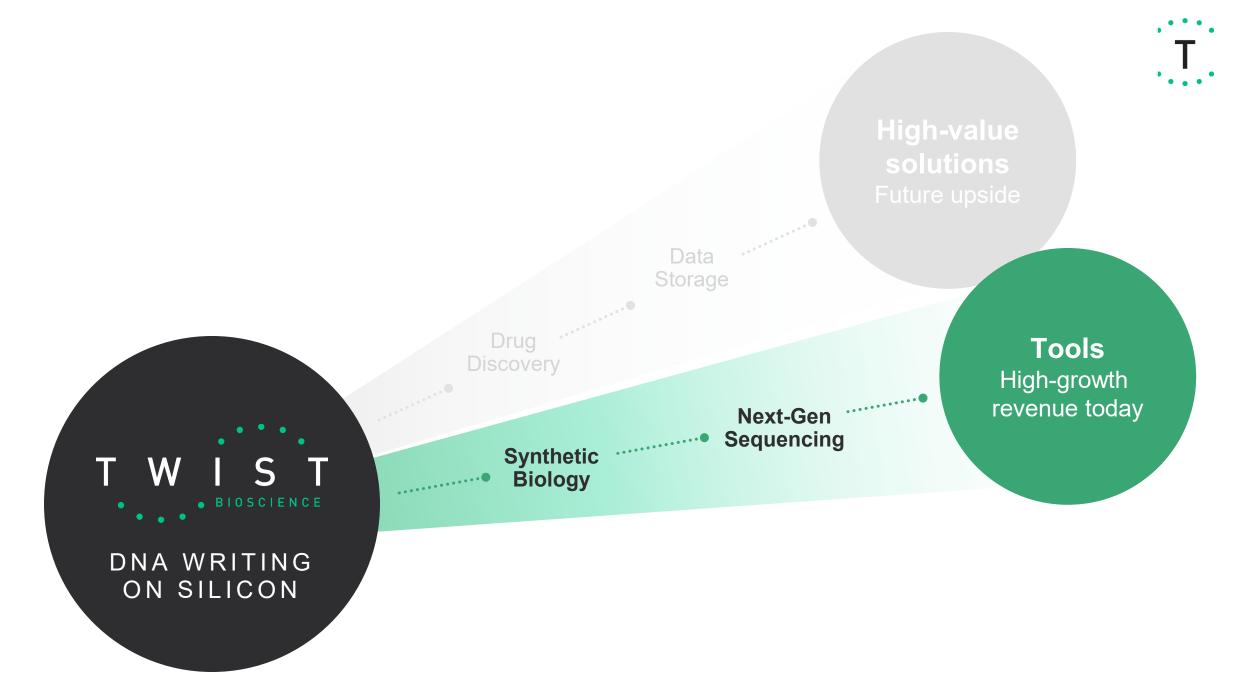


Strong Revenue Growth and Increasing Gross Margin









Synthetic Bio: Largest Selection of DNA Offered





* Recently launched

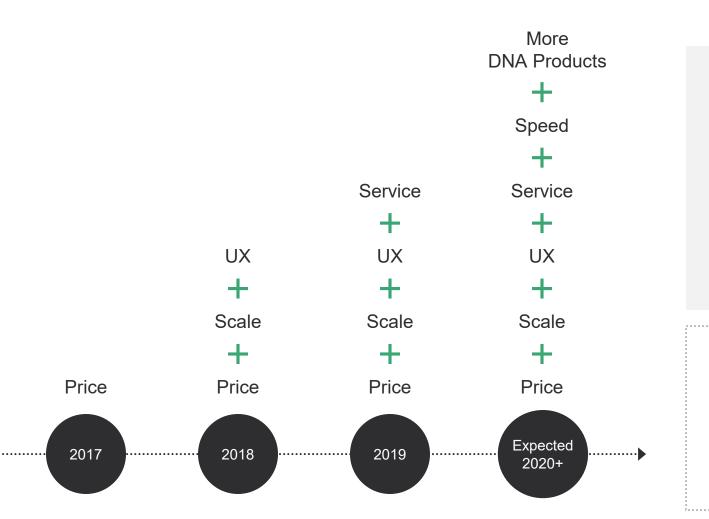
Innovative Online Ordering

Ch	ange Veo	tor 🔻 🕇 Flanks	Coptimize 💼 + Gene	+ Cust	om Vector		Q	PRICII	NG SUMMAR	ΥΘ
#		NAME 🔸	SEQUENCE	BP	VECTOR	SCORE 0	PRICE	NAME	QTY	COST
1		gene-001	ACTCGACTGACTAGC	1264	Select Vector 🔻	•	\$113.76	Easy Genes Cloning Fee	24 24	\$2,376.00 \$1,300.00
2		gene-002	ACTCGACTGACTAGC	1014	Select Vector 💌	•	\$91.26	DELIVERY FORMAT		
3		gene-003	ACTCGACTGACTAGC	978	Select Vector 🔻	•	\$88.02	Plate: 96 Wel	l, Horizontal	
4		gene-004	ACTCGACTGACTAGC	848	Select Vector 🔻	•	<u>Fix it</u>	O Tube Edit		
5		gene-005	ACTCGACTGACTAGC	1200	Select Vector 💌	•	\$108.00	Total		\$3,676
6		gene-006	ACTCGACTGACTAGC	1124	Select Vector 🔻	•	\$101.16		Checkout	
7		gene-007	ACTCGACTGACTAGC	1200	Select Vector 💌	٠	Fix it			
8		gene-008	ACTCGACTGACTAGC	1087	Select Vector 💌	•	\$97.83			
9		gene-009	ACTCGACTGACTAGC	1200	Select Vector 🔻	•	\$108.00			

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Synthetic Bio: Why We Win





We Deliver

- High quality DNA
- Competitive turnaround
- Affordability
- Fast throughput
- Unique customer experience
- Innovation

VANDERBILT

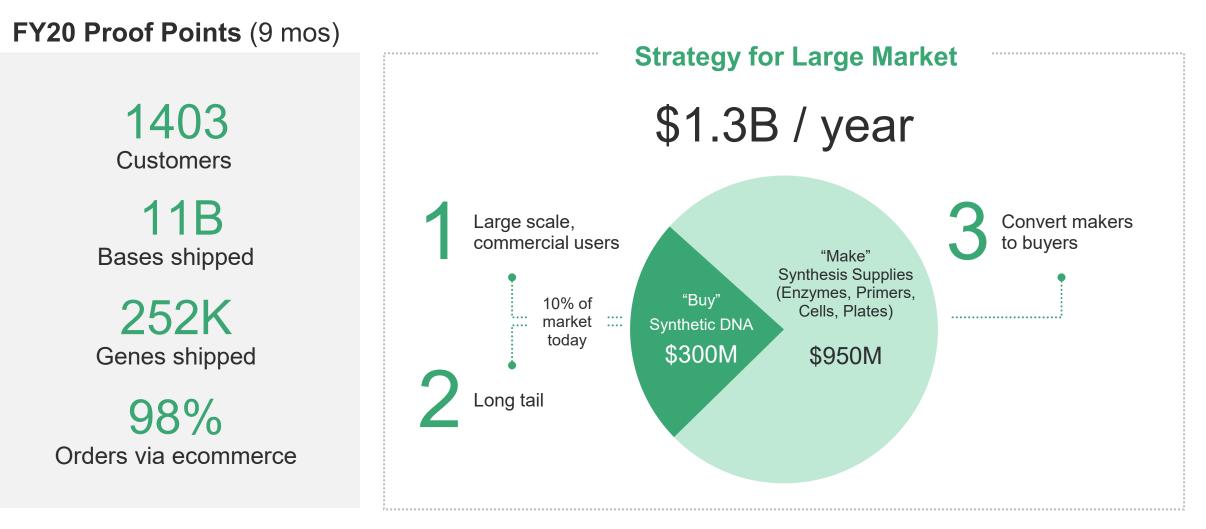
UNIVERSITY

MEDICAL

CENTER

 Twist's very high-throughput platform allowed us to quickly and efficiently examine thousands of possible antibodies in order to select the best results faster than ever before.
Robert Carnahan, Associate Director, Vanderbilt Vaccine Center





Source: BCC Research, Markets and Markets Report, Twist internal estimates

NGS: Broad Offering to Meet Expanding Applications

Today

Human Core Exome



Fixed Panels



Custom Panels



Library Preparation



Reagents and Kits



Synthetic Viral Controls

ROADMAP

Targeted Methylation*

Oncology

SNP Microarray conversion to NGS

Targeted Sequencing

is powering new applications

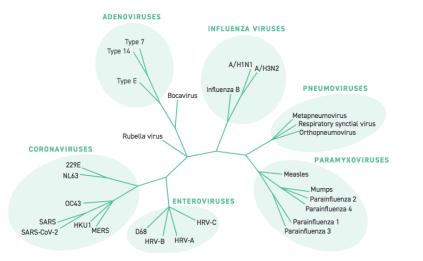
- Liquid biopsy
- Rare disease
- Oncology
- Population genetics
- Infectious diseases

* Recently launched

NGS: New Products for Infectious Diseases



7 Synthetic SARS-CoV-2 Controls



- Positive controls: NGS and (RT-PCR) assays
- QC for the development, verification and ongoing validation of diagnostic tests
- Included on the FDA website as reference materials for SARS-CoV-2

Research Panels for SARS-CoV-2 and Respiratory Viral Infections

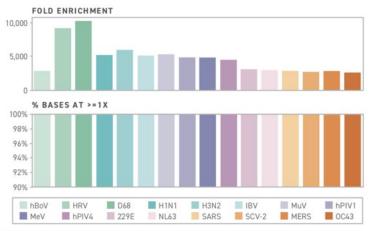
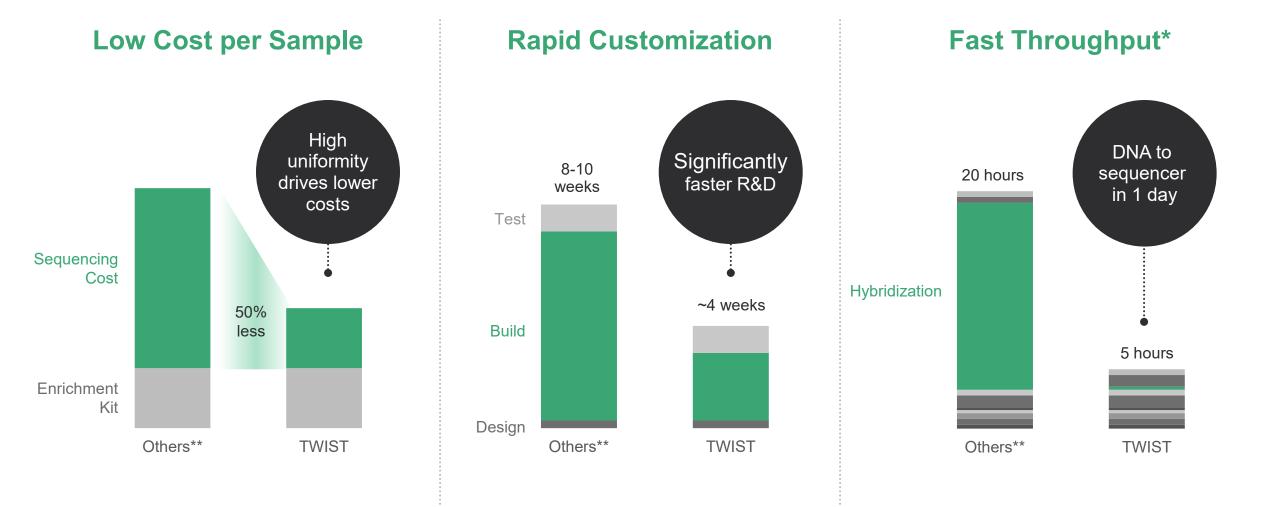


Figure 1: Fold-enrichment and percent of genome covered at 1x for viral controls after target enrichment. Full names for abbreviated viruses are present in Table 1.

- Target enrichment panel for viral detection and characterization of SARS-CoV-2
- Environmental monitoring and surveillance testing
- Track viral evolution and strain origin

NGS: Why We Win





*Includes pooling 1 & 2, pre-hybridization, hybridization, binding, wash steps, amplification, purification, target environment QC, and NGS prep **Illustrative models based on Twist's knowledge of competing technologies.

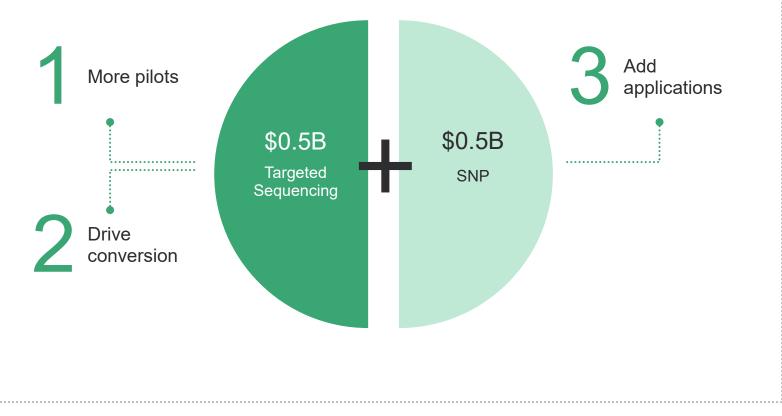
NGS: Investing in Growth



FY20 Proof Points (9 mos)

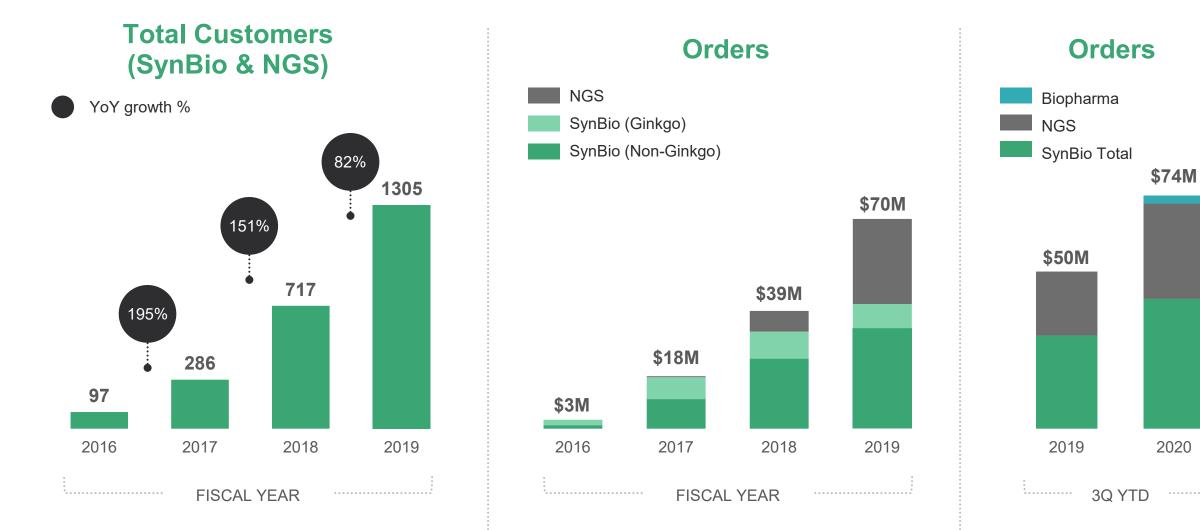
781 Customers shipped 47 In production **OEM** partners SNP microarray conversion

Strategy for Expanding Market to \$1B

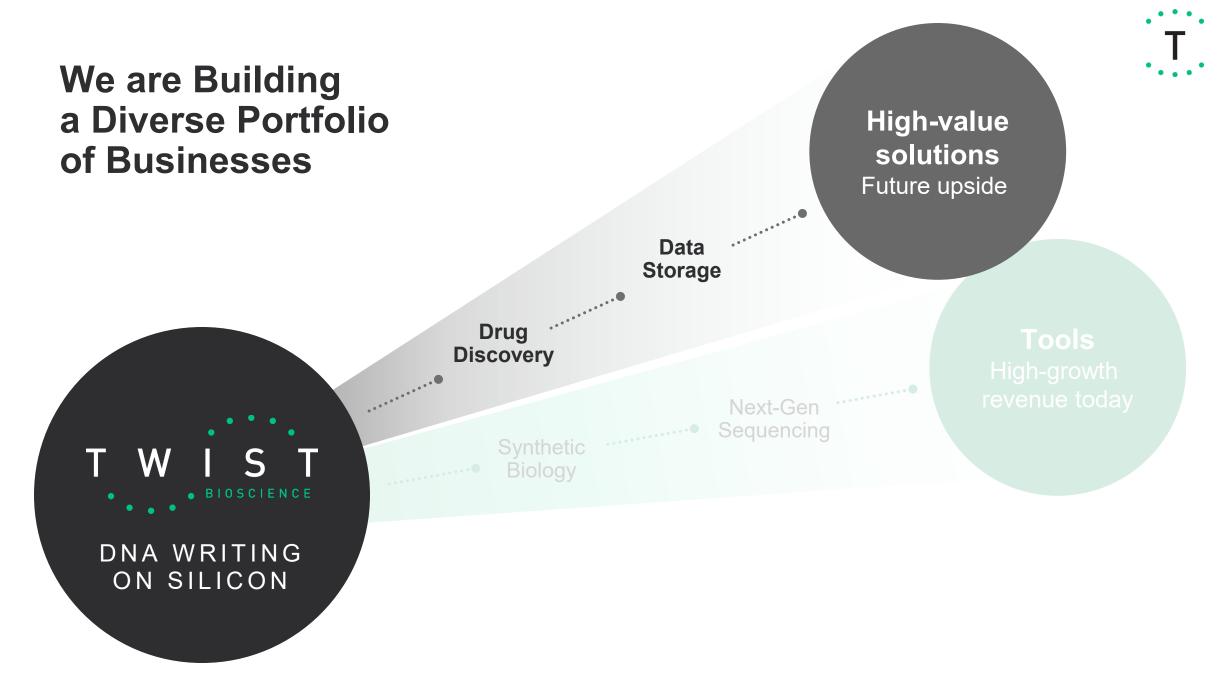


Core Business Growth



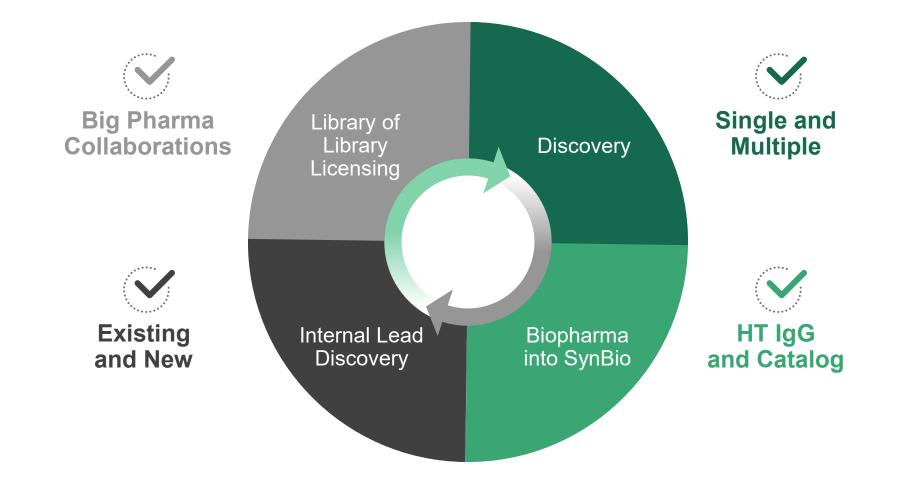


FY Ends September 30



Biopharma: Validated and Expanding Offering

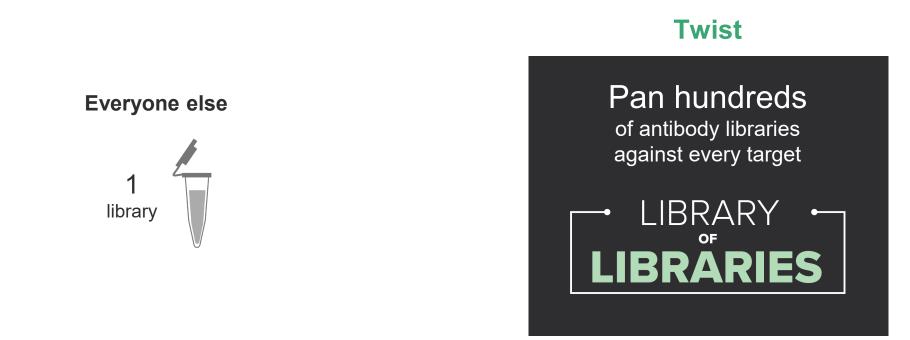




We are advancing our business model with partners and for Twist development

Biopharma: Why We Win

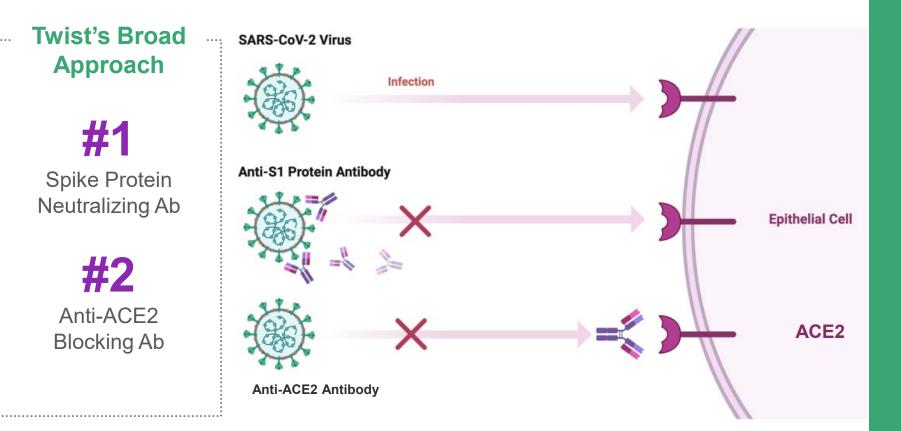




Random	DNA	Human repertoire
Low	SCALE	High
Manual	PROCESS	Automatic
100s	STAFF	10

Biopharma: SARS-CoV-2 Antibodies for Diagnostic and Therapeutic Applications





RAPID DISCOVERY Dozens of mAbs Identified

DATA VALIDATION Pseudo-virus

LIVE VIRUS TESTING In Process

CDCP TARCET



BIOSCIENCE DNA WRITING ON SILICON

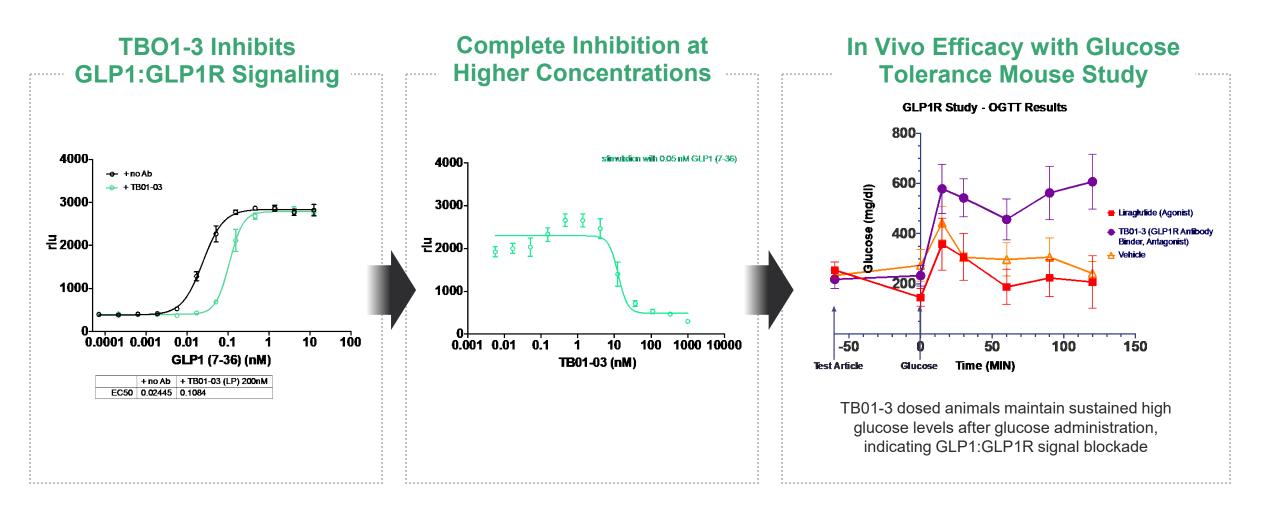
GPCR TARGET	INDICATION			
ADORA2A	Cancer			
CRTH2	Asthma / inflammation			
CXCR4	Cancer			
CXCR5	Asthma / inflammation			
FSHR	Infertility			
GLP1R	Diabetes / rare metabolic diseases			
V2R	Cancer			

INDICATION

We are working to optimize these leads and leverage our platform for partnering discussions

GPCR Development Candidate: TBO1-3 is Potent GLP1R Antagonist

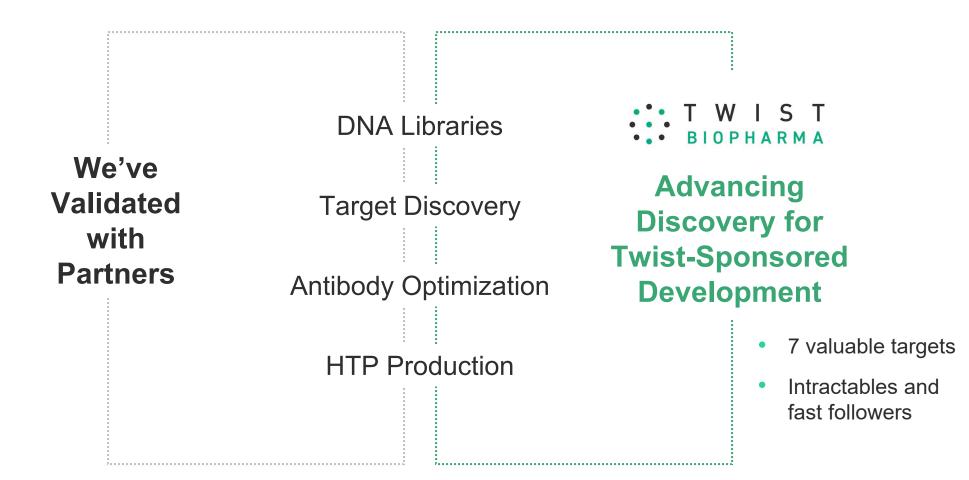




Potential application for rare diseases such as severe hypoglycemia

SHARED ECONOMICS	PER PROJECT		MILEST	ONES AND/OR ROY	ALTIES	COMMERCIAL COLLABORATION
LakePharma	Pandion	Invetx	Takeda	Seismic Bio	Undisclosed	Schrodinger
Co-marketing Twist services to their customers	Optimization of bispecific antibodies for autoimmune and inflammatory disease	Optimization of cat and dog therapeutics	Antibody discovery for range of applications	lmmuno- oncology	Cancer therapeutics Neuroscience Industrial enzymes	Technology collaboration





Data Storage in DNA

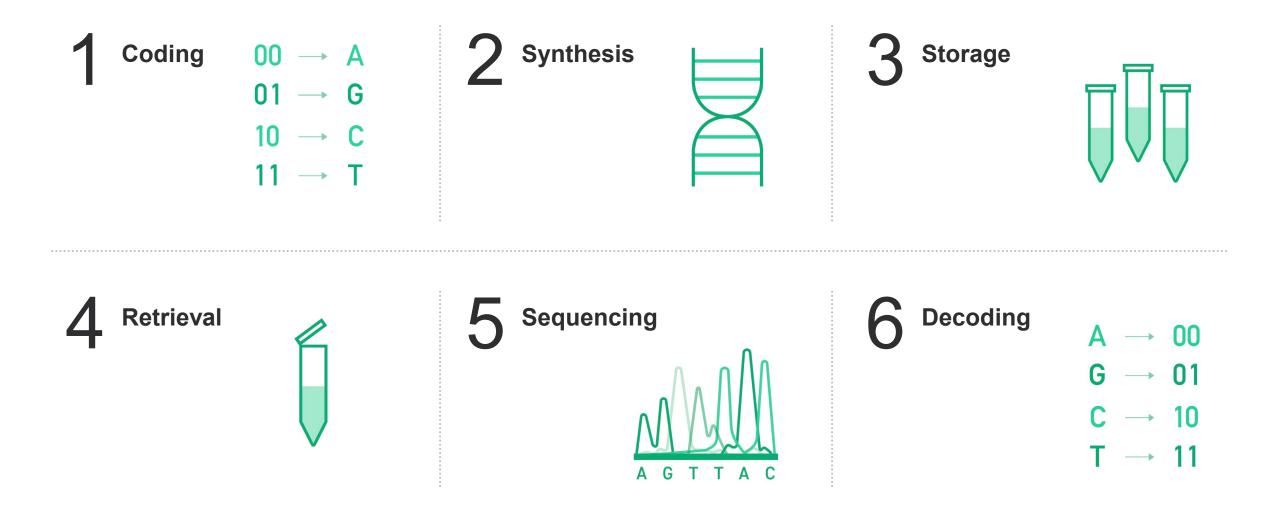


Recovered from Lunar Orbiter 1 Tapes



DNA for Archival Storage of **Digital Information** ACGATCGAGTAGT GACGGAPermanenceCATCAI **G C Density G C A C T A T (Random access** ATCCCCUniversal format CTACTAG

Data Storage in DNA: How It Works



Twist Selected as DNA Synthesis Provider Under The Intelligence Advanced Research Project Agency (IARPA)

IARPA

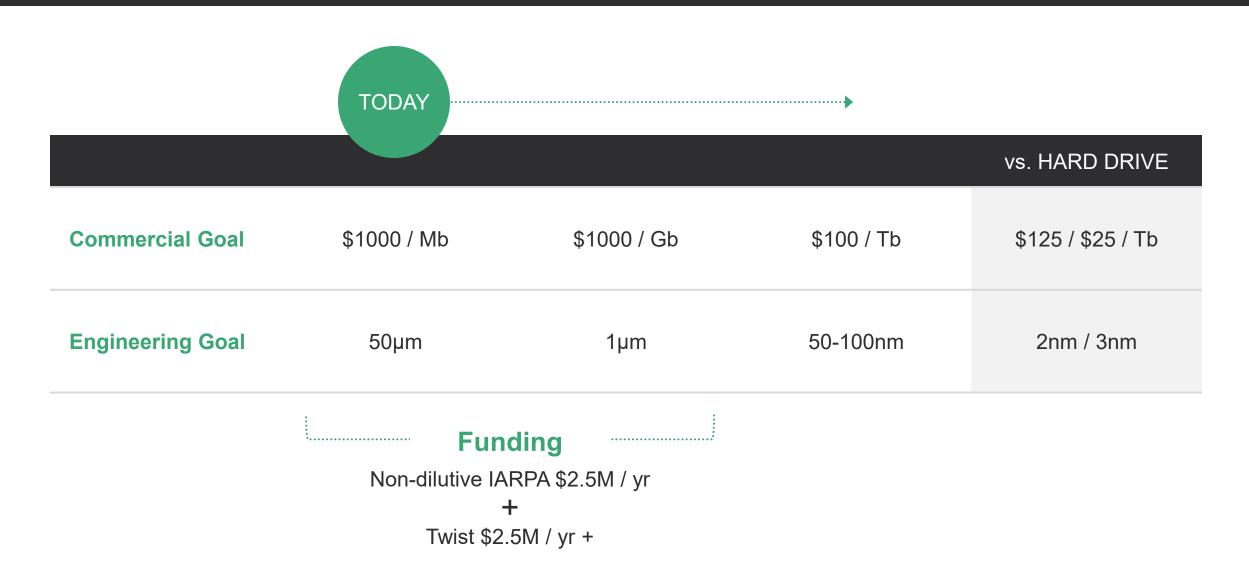
NON-DILUTIVE

FINANCING

	Collaborators	
Georgia Research Tech Institute	UNIVERSITY of WASHINGTON	

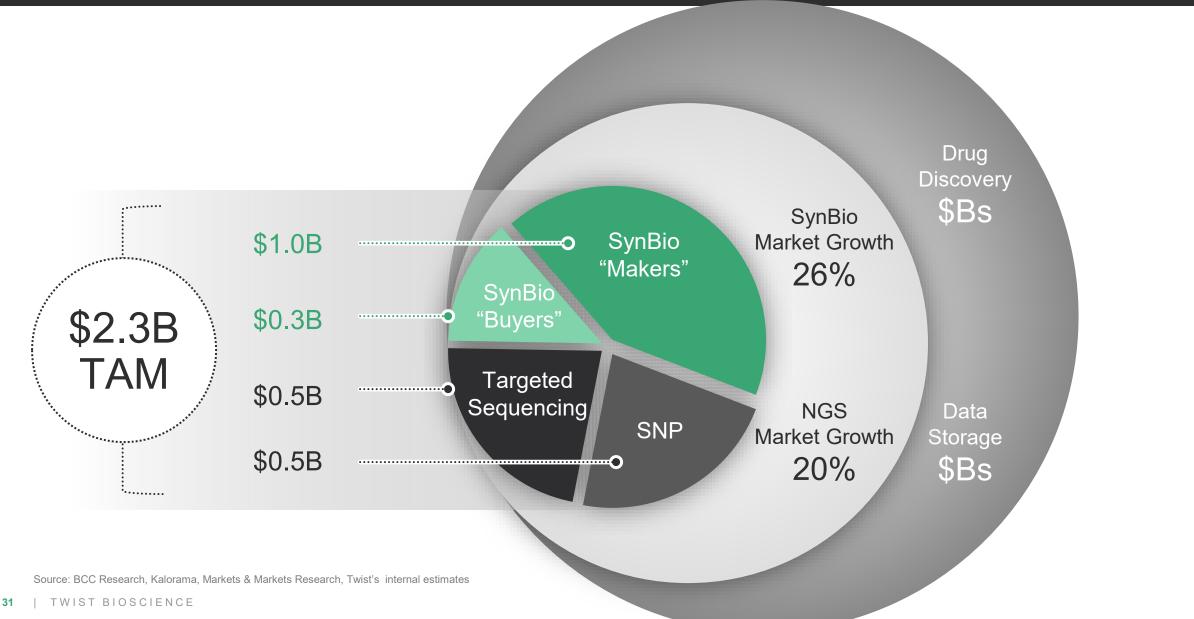
- Twist may receive up to \$9.15M
- Additional \$5.5 million designated to bolster DNA synthesis through new chip design, commercial implementation at Twist
- Significantly reduce the size, weight and power required for archival data storage
- Synthesize enough DNA per day to allow the cost of storing digital data to be as low as \$1/gigabyte
 - Ultimate Twist goal: Drive cost down to \$100/terabyte
- Bolster DNA synthesis through new chip design

Data Storage: Estimated Roadmap



Large and Expanding Addressable Market

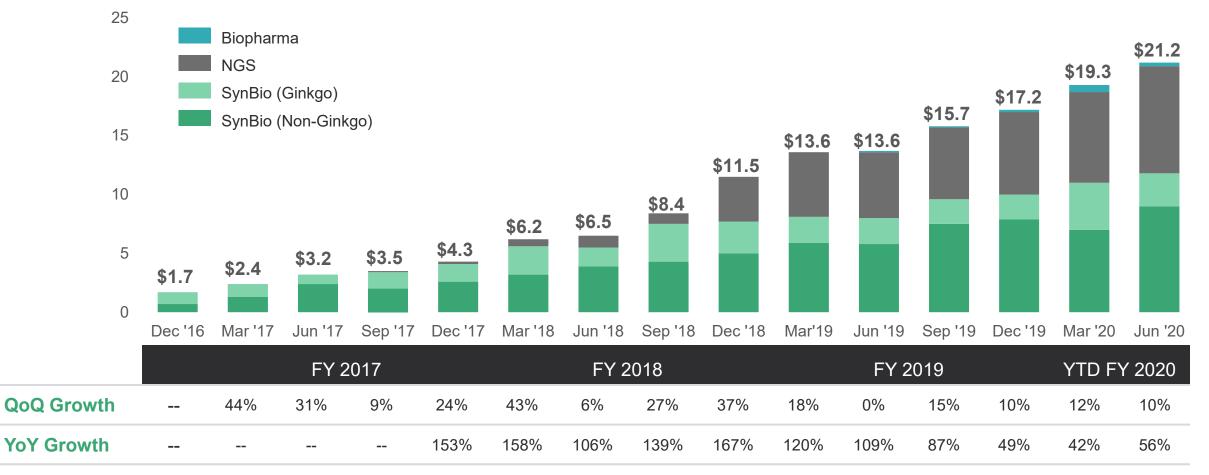




Quarterly Revenue Growth



Revenue (\$M)



FY Ends September 30

Delivering on Our Plan





T W I S T BIOSCIENCE

Writing the Future

Platform for writing DNA on silicon Large, growing markets **Differentiated** value proposition Portfolio of high growth businesses Validated business models High revenue growth Track record of execution and innovation



Writing the Future

EMILY LEPROUST, PH.D., CEO and CO-FOUNDER

