



QuantSeq with Lexogen's 12 nt UDI and UDI Add-ons - new improved V2 is out!

Get the utmost quality out from our well-established QuantSeq 3' RNA-Seq gene expression kits, thanks to the newly improved V2 series! With the increasing reading capacity of next-generation sequencers, Lexogen's patented 12 nt long Unique Dual Indices will help you preserving most of your precious reads.

The UDI V2 Add-on modules can also be used onto existing QuantSeq FWD (015) or REV (016) kits, or to amplify libraries generated from other vendors' kits.

With the V2 launch, our kits will provide improved robustness and consistent data quality.



Drastically save on sequencing costs - less reads needed per sample

QuantSeq unique technology allows for 5 to 10 times less reads per sample, therefore helping you generating the most data out from your budget.



Fast and simple protocol - only 4.5 hours total

No more need for long days, or overnight protocols. Your library is ready for sequencing right after your lunchtime!



Any sample, any input

Is your sample degraded, does it have a low RIN or DV₂₀₀?
Not a problem for QuantSeq!
Our V2 will provide the robustness needed even for your most challenging samples.



Data analysis simplified

Less reads needed, less complexity.
With QuantSeq, data analysis is fast, easy and cost-effective.

Directly switch from the original to the V2 kits

At Lexogen, we made sure that you can seamlessly switch from the original QuantSeq with UDI kits to the new V2 improved series. There will be no change in gene expression profiling data.

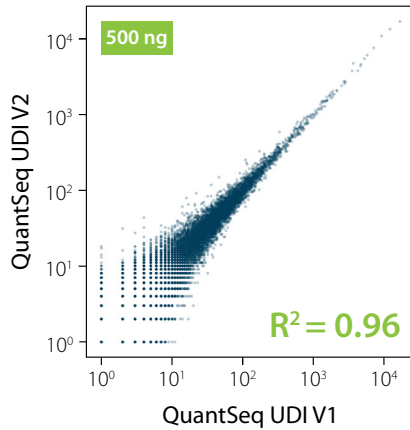


Figure 1 | Correlation plot obtained with 500ng of UHR + SIRV3 control Set, comparing QuantSeq UDI "V1" (x axis) and the new "V2" (y axis).

FFPE or Fresh-frozen samples provide similar gene counts and correlations

Whether your sample is coming from fresh-frozen material, freshly prepared FFPE or even archived FFPE, our QuantSeq V2 library prep kit with UDI will show consistent overlap between reads.

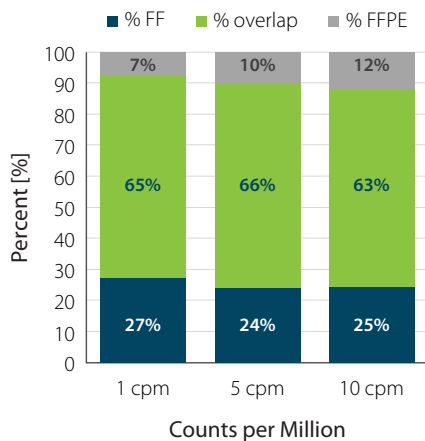


Figure 2 | Sequencing data obtained with 10ng input from two different mouse spleen samples, 1M reads, 1cpm, 5cpm and 10cpm (from left to right). RIN values: 3.7 (FF) and 2.9 (FFPE)
 DV_{200} values: 90% (FF) and 9% (FFPE)

Ordering Information

Cat. №	Product Name
Full library preparation kits	
191.24 and 192.24	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A1 (191) and Set B1 (192), 24 preps
191.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A1 , 96 preps
192.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set B1 , 96 preps
193.384	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Sets A1 to A4 , 384 preps
194.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A2 , 96 preps
195.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A3 , 96 preps
196.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A4 , 96 preps
UDI Add-ons (UDI plate and library amplification module)	
198.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit Set A1 , 96 preps
199.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit Set A2 , 96 preps
200.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit Set A3 , 96 preps
201.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit Set A4 , 96 preps
202.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit Set B1 , 96 preps
203.384	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit Sets A1 to A4 , 384 preps

V2 brings you more robustness against potential overcycling unwanted effects

The full library preparation kit, as well as the Add-on UDI V2 kits, include an improved module that ensures better resistance to overcycling effects.

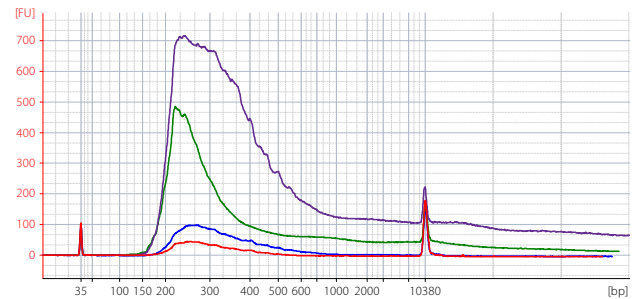


Figure 3 | Agilent Bioanalyzer traces of four libraries amplified with QuantSeq UDI V1 or V2 kits, 100ng input. Red: V1, blue: V2, green: V1 + 6 cycles, violet: V2 + 6 cycles. V2 prevents library shortening, even with substantial overcycling.

Different UDI sets for all your needs

Our scientists have carefully designed five different 12nt patented UDI sets: A1, A2, A3 and A4 each contain 96 different UDI combinations. Set B1 corresponds to reverse A1 sequences (to accommodate for some Illumina chemistries). Please consult with us if you need help to choose the right set - or for even more designs.

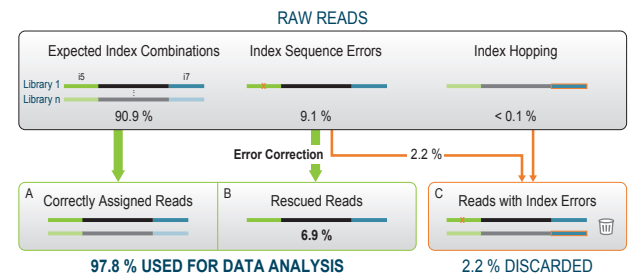


Figure 4 | Lexogen's 12nt design allows rescuing the majority of undetermined reads thanks to superior error correction features, thereby saving precious data (based on 96 pooled libraries; Illumina NextSeq500 run).

For more information and additional resources, please visit our website.

