Exomes Comparative Table

illumina®

Content	Targeted Exome Panel	Exome
Key Differentiating Feature	Targets exons with known human disease association	Highest percent coverage of coding exons compared to other Illumina kits (~98%)
Application	Clinical research on characterized disease-associated genes	Large-scale discovery of variants of interest in coding regions
Target Region Size	12 Mb	45 Mb
Target Region Description	Coding regions of 4813 genes from HGMD, OMIM, and GeneTest.org	99.45% RefSeq 98.83% CCDS 99.68% Ensembl 99.68% GENCODE v19
Compatible with Add-On	No	Yes

Workflow Details	TruSight® One	TruSeq® Rapid Exome	TruSeq Exome
Fragmentation Method	Transposon mediated	Transposon mediated	Mechanical
DNA Input (ng/sample)	50	50	100
Total Assay Time	30 hours for up to 96 samples	1 day	2.5 days
Hands-On Time	< 5 hours	3 hours	6 hours
Kit Sizes (samples)	9, 36	8, 24, 48, 72, 96	24, 48, 72, 96
Sample Pooling	Up to 12	Up to 12	Up to 12
Recommended Read Length	2 × 150 bp	2 × 75 bp	2 × 75 bp

Links	
TruSight One Sequencing Panel Product Page	www.illumina.com/trusightone
TruSight One Sequencing Panel Support Page	http://support.illumina.com/sequencing/sequencing_kits/trusight_one_kit.html
TruSeq Exome and TruSeq Expanded Exome Kits Product Page	www.illumina.com/products/truseq-exome.html
TruSeq Rapid Exome and TruSeq Rapid Expanded Exome Product Page	www.illumina.com/products/truseq-rapid-exome.html

Illumina, Inc. • 1.800.809.4566 toll-free • 1.858.202.4566 tel • techsupport@illumina.com • illumina.com

For Research Use Only. Not for use in diagnostic procedures.

 Pub. No. 770-2013-030 Current as of 09 February 2016