

Application Guide

Product Recommendation



Sample Input

Seq Method

Application

Short Read

Long Read

Loaded
Transposase



Human
Plant & Animal



Microbial &
Infectious Dis



Plasmids &
Amplicons

Lib Complexity



Target Enrichment

- Small panel: 250 – 500X Germline (10Mb)
- Large panel: 100X SNP (100Mb)
- Whole Exome Sequencing: 50 – 150X SNP (40Mb)

High coverage WGS

- Gene editing QC
- *De novo* sequencing
- Personalized medicine
- Genetic disease diagnosis

Low pass WGS

- Genotyping-by-sequencing (GBS)
- Genomic selection
- Trait mapping

Small genome WGS

- Metagenomics

Targeted sequencing

- *De novo* sequencing (bacterial & viral)

Whole plasmid
sequencing

- Sequence confirmation
- Construct screening, Ab discovery, etc.
- Amplicon seq (e.g. viral, HLA genotyping)
- Gene editing on/off-target analysis
- Targeted genotyping-by-sequencing (tGBS)
- Epigenetic assays

Targeted sequencing

MosaiX™

AgriPrep™

ExpressPlex™
Plus
coming soon

ExpressPlex
2.0

LongPlex™
Hyb Capture

LongPlex
XL 10 – 12 kB

LongPlex
<10 kB

LongPlex
<10 kB

Tagify™
Custom

Tagify
Custom

Tagify
Universal
Adapter

Tagify i5 UMI

Tagify
Custom