

Application Guide

Sample Input

Seq Method

Application

Product Recommendation

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)
- Gene editing QC

MosaiX™

LongPlex™
Hyb Capture

Tagify™
Custom

High coverage WGS

- *De novo* sequencing
- Personalized medicine
- Genetic disease diagnosis

Low pass WGS

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

AgriPrep™

LongPlex
XL 10 – 12 kB

Tagify
Custom

Small genome WGS

- Metagenomics
- *De novo* sequencing (bacterial & viral)

ExpressPlex™
Plus
coming soon

LongPlex
<10 kB

Targeted sequencing

- Metagenomics
- *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

ExpressPlex
2.0

LongPlex
<10 kB

Tagify
Universal
Adapter

Tagify i5 UMI

Tagify
Custom