

Unique Dual Indexes

The Reliable Multiplexing for NGS Library Preparation

The **Multiplexing Unique Dual Index Primers** were developed based on our **4-Base Difference Index System**. The system allows us to generate indexes that have at least 4 bases different from each other in the 8-base index length.

■ Improves sample-identification specificity with 4-Base Difference Index System

- Each index has at least 4 bases different from other indexes
- 4-base difference increases specificity compared to other vendors' 3-base difference.

■ Minimizes sequencing errors such as:

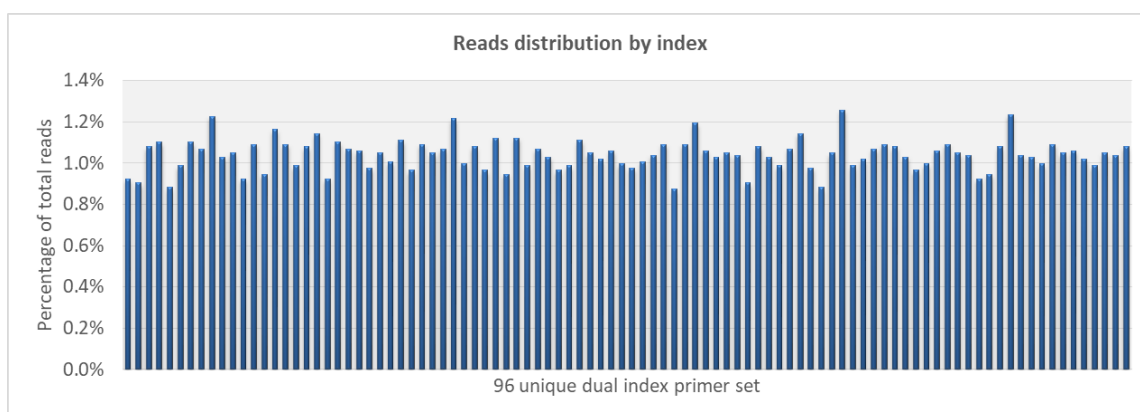
- Index hopping
- Index cross-contamination
- Mis-assignment of reads
- Amplification errors
- De-multiplexing errors

■ Increases multiplexing capacity

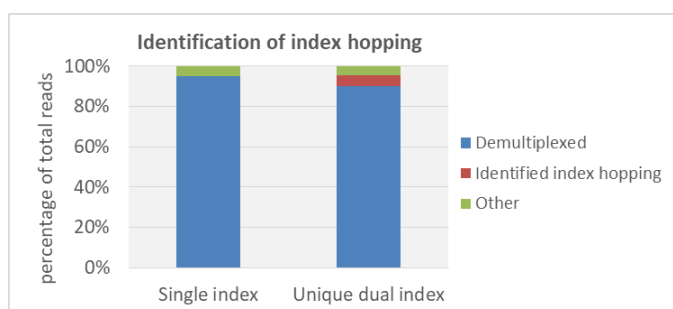
- 96 pre-mixed unique pairs of i5 and i7 index

■ Cost saving

- Affordable price with high performance



Even distribution of 96 samples using unique dual index primers



Identification of index hopping by unique dual index

■ Kit List

Illumina platform

Product Name	Cat.#
Multiplexing Unique Dual Index Primer Set (96 unique dual indexes for 96 reactions)	30075S
Multiplexing Unique Dual Index Primer Set (96 unique dual indexes for 384 reactions)	30075L