IAB
Institute of Applied Biotechnologies

TWIST
BIOSCIENCE

# RNAseq applications

# Our TWIST portfolio covers RNAseq solutions

- **Targeted sequencing** (RNA exome or small panel)
- **Whole Transcriptome Sequencing**

# Twist RNAseq portfolio resolution

## Focused Targeted RNAseq

**Focus:**
- Sequence fewer reads and sample pooling
- Sequence just genes or fusions targets of interest

**Applications:**
- Disease Panels
- Low concentration and poor sample quality
- Targeted Fusion Detection
- Biomarker Discovery

## Transcriptome Target Enrichment

**Focus:**
- Capture and enrich entire transcriptome
- More data for fewer reads

**Applications:**
- Detection of low expressed genes
- Enrichment of coding regions for all unique sequences that each application outputs
- Fusion detection

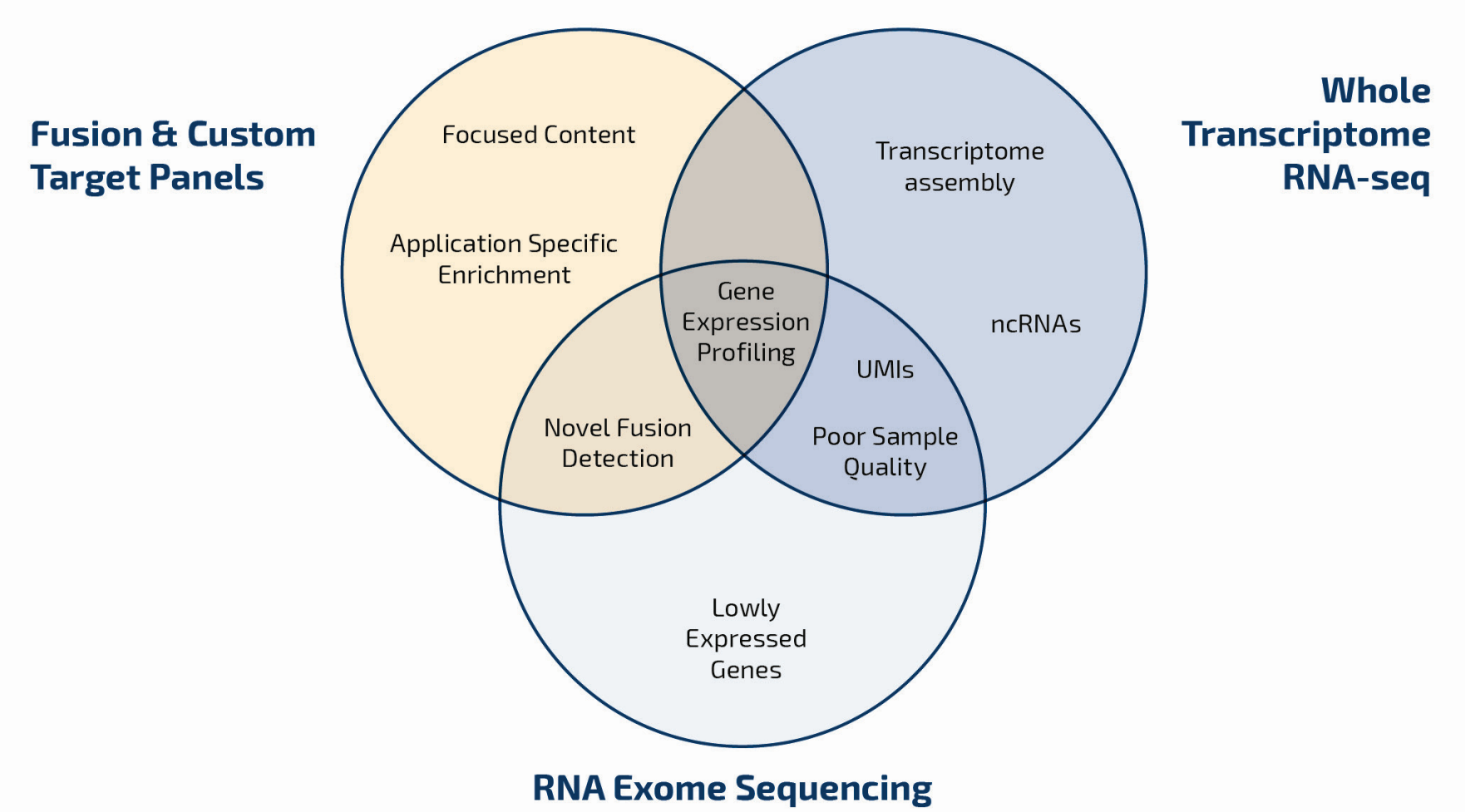
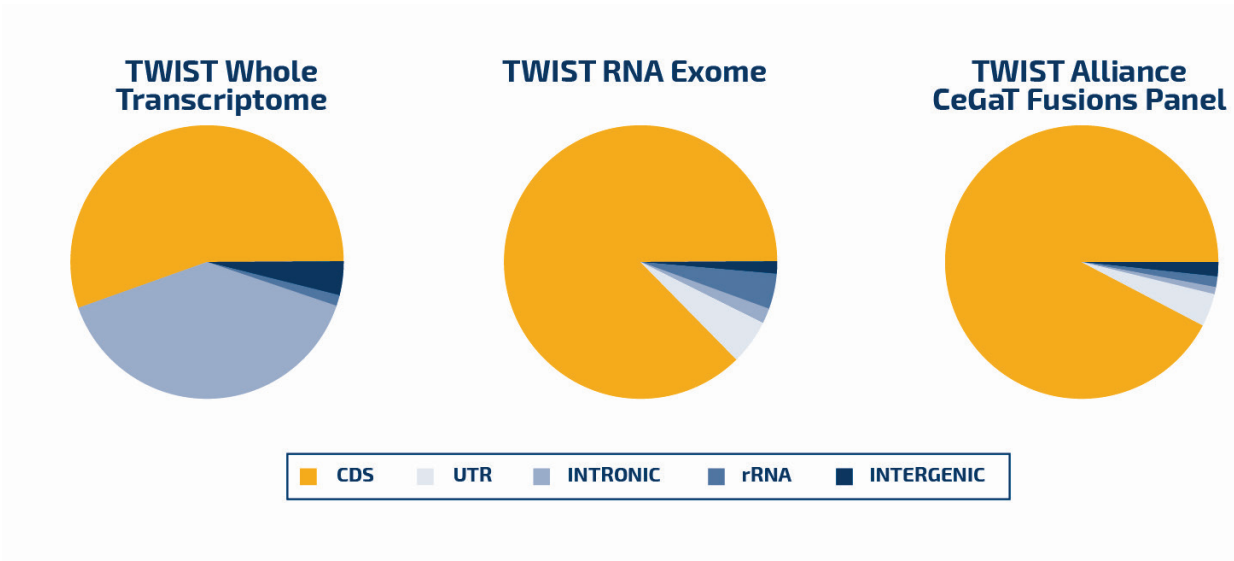
## Whole Transcriptome RNAseq

**Focus:**
- Complete coverage across transcripts
- Splicing / Isoform detection

**Applications:**
- Deep transcriptome profiling
- ncRNAs analysis
- Analysis of coding and noncoding readings
- UMIs

For Research Use Only. Not for use in Diagnostic Procedures

# We will find the right RNAseq approach for you



- Twist Whole Transcriptome
  - Deep sequence total mRNA to discover new transcripts and analyze the transcriptome
- Twist RNA Exome
  - Capture the protein coding sequencing for differential expression and novel fusion detection
- Twist Alliance CeGaT Fusion Panel or Custom Panels
  - Build custom capture panels for RNA libraries for targeted RNA analysis