Input Files

```
ID  CGGACCTACTAGTCATCGA
ID  GAACTGAGCS CGGGFGGGAF
ID  TCGTTGAGCG CGGGF·GGAF
ID  CTAAGAAATAGACCTAGAT
ID  GCTCGCATCATCGATCGAA
ID  ACGATCAGCTACGAACAAA
ID  ACTGATCGAGCAATAAGCT
ID  TGCTAGCTAGTGCTCATAC
ID  ACGATCGATCGATAGATCG
ID  CGATCGATCGACAGCGATT
```

Segments

```
"input": [
  0   "Read1.fastq",
  1   "Index1.fastq",
  2   "Index2.fastq",
  3   "Read2.fastq"
]
```

Tokens

▢	UMI	Read 1 (12 nt)
▢	Insert	Read 1 (55 nt)
▢	i7	Index 1 (10 nt)
▢	Insert	Read 2 (75 nt)
▢	i5	Index 2 (10 nt)
▢	BC	Read 1 (12 nt)

"sample": {
   "transform": { "token": ["**1::10**","**2::10**"] }
}

I2 ——▶   **Read 1** ——————————▶   **I1**

P5 **i5** **SP1**   **BC UMI**   *Insert*   **SP2** **i7** **P7**

◀—————— **Read 2**

"template": {
   "transform": { "token": ["**0:24:55**", "**3::75**"] }
}

"molecular": {
   "transform": { "token": ["**0:12:24**"] }
}

"cellular": {
   "transform": { "token": ["**0::12**"] }
}