Input Files

```
ID CGGACCTACTAGTCATCGA …
ID GAACTGAGCG CGGGFGGGAF
ID TCGTGGAGCG 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"] }
}
```