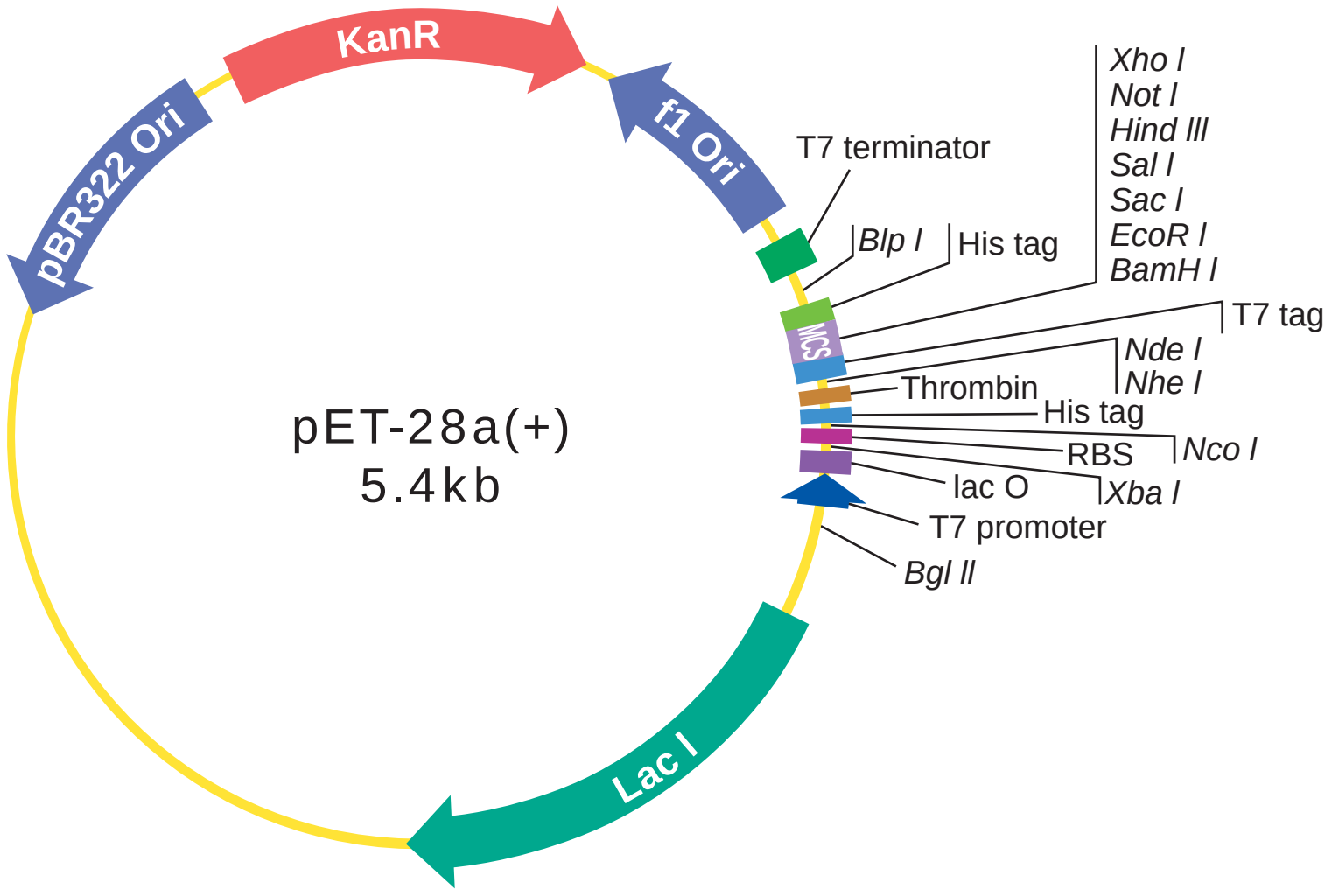

Bgl II — T7 promoter — lac operator — *Xba* I — rbs

```
--- AG ATC TCG ATC CCG CGA AAT TAA TAC GAC TCA CTA TAG GGG AAT TGT GAG CGG ATA ACA ATT CCC CTC TAG AAA TAA TTT TGT TTA ACT TTA AGA AGG AGA
```

Nco I — His tag — *Nde* I — *Nhe* I — T7 tag

```
TAT ACC ATG GGC AGC AGC CAT CAT CAT CAT CAT CAC AGC AGC GGC CTG GTG CCG CGC GGC AGC CAT ATG GCT AGC ATG ACT GGT GGA CAG CAA ATG GGT
      M   G   S   S   H   H   H   H   H   H   S   S   G   L   V   P   R   G   S   H   M   A   S   M   T   G   G   E   E   M   G
                                                                  thrombin site
```

*Bam*H I — *Eco*R I — *Sac* I — *Sal* I — *Hin*d III — *Not* I — *Xho* I — His tag

```
CGC GGA TCC GAA TTC GAG CTC CGT CGA CAA GCT TGC GGC CGC ACT CGA GCA CCA CCA CCA CCA CCA CTG AGA TCC GGC TGC TAA CAA AGC CC GAA AGG
  R   G   S   E   F   E   L   R   R   E   A   C   G   R   T   R   A   P   P   P   P   P   L   R   S   G   C  Stop
```

Blp I — T7 terminator

```
AAG CTG AGT TGG CTG CTG CCA CCG CTG AGC AAT AAC TAG CAT AAC CCC TTG GGG CCT CTA AAC GGG TCT TGA GGG GTT TTT TG ---
```