

Repressed genes by tnrA

- **alsT**
- **degU** (positive autoregulation by DegU)
 - Operon: degS-degU
- **yodF**
- **yttA**
- **ywdI**
 - Operon: ywdI-ywdJ-ywdK
- **ywdJ**
 - Operon: ywdI-ywdJ-ywdK
- **ywdK**
 - Operon: ywdI-ywdJ-ywdK
- **ywlF**
 - Operon: ywlF-ywlG
- **ywlG**
 - Operon: ywlF-ywlG
- **yycB**
 - Operon: yycC-yycB
- **yycC**
 - Operon: yycC-yycB

Primers

- **alsT Forward strand base pairs: 1938925-1940322**
 - Forward: 5' GAT GTT ACT CTG TCG ACC CC 3'
GC content = 55 %
Base Pairs: 1938775-1938794 (20)
 - Backwards: 3' GGT AGA GCA AAT TGA CAG GC 5'
GC content = 50 %
Base pairs: 1940483-1940502 (20)
- **yttA Forward strand base pairs: 3108614-3109360**
 - Forward: 5' CGT ACG GAG CCG TTT TAG GT 3'
GC content = 55 %
Base pairs: 1107117-1107136
 - Backwards: 3' CGG GCG CCA AAA CGA TAA AC 5'
GC content = 55 %
Base pairs: 3109343-3109362
- **ywdI Reverse strand base pairs: 319444-319802**
 - Backwards 3' CTG ACA AAC CTT GCG CGA TT 5'
GC content = 50 %
Base pairs: 3896209-3896228
 - Forward 5' GAG AGA GGT TGA GCT TAC GT 3'
GC content = 50 %
Base pairs: 319804-319823
- **ywfF Reverse strand base pairs: 3791649-424408**
 - Backwards 3' CTA CTC CTT CAC GCA GGA TT 5'
GC content = 50 %
Forw strand Base pairs: 3791752-3791770
 - Forward 5' TCT GTC GTA GCA GAA GGT GC 3'
GC content = 55 %
rev strand Base pairs: 424440- 424459
- **yycC Forward strand base pairs 4159577-4159717**
 - Forward 5' GGA GGG TTC TTA TGC ACG CA 3'
GC content = 55 %
Rev strand Base pairs: 56140-56159
 - Reverse 3' ACT TGC TTA CCT GTT TCG GG 5'
GC content = 50 %
Forw strand Base pairs: 4159731-4159750