

A

Location  
Context  
Attribute  
Ruleform

| Context               | Sequence Number | Attribute     |
|-----------------------|-----------------|---------------|
| Human Genome Draft 18 | 1               | Base Sequence |
| Human Genome Draft 18 | 2               | Strand        |
| Human Genome Draft 18 | 3               | Start         |
| Human Genome Draft 18 | 4               | Stop          |

B

Chromosome 4, Human Genome, Draft 18

5' ... CCGGATCCTCCCACAACACATTGGAAACAT ... 3'

27,816,749      27,816,761

Location  
Ruleform

| Name               | Context                       | Description                                |
|--------------------|-------------------------------|--------------------------------------------|
| Genomic Region 100 | Human Genome Draft 18         | A specific location in the human genome    |
| Freezer Box 13     | Giddings Lab Freezer Location | A box of samples in a Giddings Lab freezer |

Location  
Attribute  
Ruleform

| Location           | Attribute     | BioEntity Value | Integer Value |
|--------------------|---------------|-----------------|---------------|
| Genomic Region 100 | Base Sequence | Chromosome 4    |               |
| Genomic Region 100 | Strand        | Forward Strand  |               |
| Genomic Region 100 | Start         |                 | 27816749      |
| Genomic Region 100 | Stop          |                 | 27816761      |

C

BioEntity  
Location  
Ruleform

| Resource                              | BioEntity                             | Relationship                  | Location                          |
|---------------------------------------|---------------------------------------|-------------------------------|-----------------------------------|
| UCSC hg18<br>ensGene.txt<br>Data File | ENSEMBL<br>ENST000000001380<br>5' UTR | has-locus                     | Genomic Region<br>633372          |
| Giddings Lab                          | WT E. coli Stock 5                    | has-freezer-<br>location      | Giddings Lab<br>Freezer Slot Z123 |
| GFS Output<br>File 28                 | Peptide 137                           | hypothetically-<br>encoded-by | Genomic Region<br>1567058         |