

GABRIELLA STREFFANELLI EVANGELISTA - 213B

```
PUBLIC INTERFACE COLLECTION {
```

```
    PUBLIC VOID equals() {
```

```
    }
```

```
    PUBLIC VOID add() {
```

```
    }
```

```
}
```

```
PUBLIC INTERFACE LIST EXTENDS COLLECTION {
```

```
    PUBLIC STRING getLIST() {
```

```
        RETURN LIST;
```

```
    }
```

```
}
```

```
PUBLIC CLASS PEDIDO {
```

```
    PUBLIC STRING ITENS_DE_LINHA;
```

```
}
```

```
}
```

```
PUBLIC ABSTRACT CLASS ABSTRACT-LIST IMPLEMENTS LIST {
```

```
    PUBLIC VOID equal() {
```

```
    }
```

```
    PUBLIC VOID add() {
```

```
    }
```

```
    PUBLIC ABSTRACT STRING getABSTRACTLIST {
```

```
        RETURN ABSTRACTLIST;
```

```
    }
```

```
}
```

```
PUBLIC CLASS ARRAY_LIST EXTENDS ABSTRACT-LIST {
```

```
    PUBLIC STRING get ARRAYLIST {
```

```
        RETURN ARRAYLIST;
```

```
Public void add () {
```

```
}
```

```
}
```

```
Public class Project implements Alignment, Feature, Sequence, Source,
Feature {
```

```
Public Alignment [*];
```

```
Public FeatureLocation [*];
```

```
Public Source [*];
```

```
Public Feature [*];
```

```
Public String name;
```

```
Public String description;
```

```
}
```

```
Public class Alignment implements AlignmentMember {
```

```
Public AlignmentMember [*];
```

```
Public Alignment [1] parent;
```

```
Public Alignment [*] children;
```

```
Public String name;
```

```
Public display name;
```

```
Public String description;
```

```
}
```

```
Public class FeatureLocation implements FeatureLocation {
```

```
Public FeatureLocation [*];
```

```
Public String name;
```

```
Public display name;
```

```
}
```

```
Public class Sequence {
```

```
Public String Sequence ID;
```

```
Public String format;
```

```
}
```

```

PUBLIC CLASS ALIGNMENT MEMBER IMPLEMENTS ALIGNED SEGMENT {
    PUBLIC ALIGNED SEGMENT [*];
    PUBLIC STRING REFERENCE MEMBER;
}
    
```

```

PUBLIC CLASS ALIGNED SEGMENT {
    PUBLIC SHORT;
    PUBLIC REFERENCE;
    PUBLIC MEMBER SHORT;
    PUBLIC MEMBER REF;
}
    
```

```

PUBLIC CLASS SOURCE IMPLEMENTS SEQUENCE {
    PUBLIC SEQUENCE [*];
    PUBLIC STRING NAME;
}
    
```

```

PUBLIC CLASS FEATURE {
    PUBLIC FEATURE [1] PARENT;
    PUBLIC FEATURE [*] CHILDREN;
    PUBLIC STRING NAME;
    PUBLIC DISPLAY NAME;
    PUBLIC STRING DESCRIPTION;
}
    
```

```

PUBLIC CLASS FEATURE LOCATION IMPLEMENTS FEATURE SEGMENT; VARIATION {
    PUBLIC FEATURE SEGMENT [*];
    PUBLIC VARIATION [*];
}
    
```

```

PUBLIC CLASS FEATURE SEGMENT {
    PUBLIC SHORT;
    PUBLIC REFERENCE;
}
    
```


PUBLIC class Variation implements PatternLocation {

Public String Name;

Public displayname;

Public String description;

Public Scanner module Name;

Public TranslationType;

}

PUBLIC class PatternLocation {

Public ref start;

Public ref end;

Public String Pattern;

}

PUBLIC abstract class Population {

Public String role;

Public String ethnicity;

Public String primaryLanguage;

Public String language family;

}

PUBLIC class Taxon {

Public String rank

Public String scientificName;

}

PUBLIC class GeographicLocation {

Public double maxLongitude;

Public double maxLatitude;

Public double minLongitude;

Public double minLatitude;

}

Public class Individual extends Population {

Public String father-id;

Public String mother-id;

Public String sex;

Public String birth-date;

Public int death-date;

}

Public class Panel implements Individual extends Population {

Public Individual [*];

Public long size;

Public String count-unit;

Public boolean pooled;

Public String type;

}

Public class molecular sample {

Public String molecule;

}

Public class Atomic location {

}