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Diagrama de Classes 1

```
public interface Collection {
    public void equals();
    public void add();
}
public interface List extends Collection {
    public void get();
}
public class Pedido depends interface List {
    public static void Itens de linha[*]
}
public class Abstractlist implements List {
    public void equal();
    public void get();
    public void add();
}
public class Arraylist extends Abstractlist {
    public void get();
    public void add();
}
```

Diagrama de Classes 2

```
public class Project {public void name[];
   public void description[];
    Source[] sources;
    Alignment[] Alignments;
    ReferenceSequence[] ReferenceSequences;
    Feature[] Features;
}
public class Source {
   public void name[];
    Sequence[] Sequences;
}
   public class Sequence {
      public void sequenceID[];
      public void format[];
}
   public class Alignment {
      public void name[];
      public void displayName[];
      public void description[];
      AlignmentMember[] AlignmentMembers;
}
   public class AlignmentMember {
      public void referenceMember[];
      AlignedSegment[] AlignedSegments;
}
   public class AlignedSegment {
      public void refStart[];
      public void refEnd[];
      public void memberStart[];
      public void memberEnd[];
}
```

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```
public class ReferenceSequence {
        public void name[];
        public void displayName[];
        FeatureLocation[] FeatureLocations;
}
public class FeatureLocation {
        FeatureSegment[] FeatureSegments;
        Variation[] Variations;
}
  public class Variation {
        public void name[];
        public void displayName[];
        public void description[];
        public void scannerModuleName[];
        public void translationType[];
        PatternLocation[] PatternLocations;
}
    public class PatternLocation {
        public void refStart[];
        public void refEnd[];
        public void patern[];
}
    public class FeatureSegment {
        public void refStart[];
        public void refEnd[];
}
    public class Feature {
        public void name[];
        public void displayName[];
        public void description[];
```

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Diagrama de Classes 3

```
public class Molecular_sample { public void molecule[];
        Population population;
      Arraylist < Molecular_Sample > molecular_sample;
      Arraylist < Anatomic_location > anatomic_location; }
public class Anatomic_location {
      Arraylist< Molecular_sample > molecular_sample; }
public class Taxon {
      public void rank[]
      public void scientific_name []
      Arraylist < Population > Population; }
public class Population {
      public void race[]
      public void ethnicity[]
      public void primary_language[]
      public void language_family[]
    Arraylist < Taxon > taxon;
public class Panel extends Population {
      public void long size;
      public void count_unit[]
      public void boolean pooled;
      public void type[]
}     Arraylist < Painel > painel;
public class Geographic_location connect Population {
      public void double max_longitude;
      public void double max_latitude;
      public void double min_longitude;
      public void double min_latitude;
      Arraylist < Population > population; }
public class Individual extends Population {
      public void father_id[]
      public void mother_id[]
      public void sex []
```

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```
public void birth_date[]
public void int death_date;
}
```