

```

classDiagram
    class TairObject {
        tair_object_id numeric(12)
        tair_object_type_id numeric(12) FK
        tair_name varchar(50)
        original_name varchar(100)
        date_entered smalldatetime
        is_obsolete char(1)
        tair_accession varchar(50)
    }
    class Annotation {
        annotation_id numeric(12)
        tair_object_id numeric(12) FK
        annotated_by_id numeric(12) FK
        type varchar(20)
        short varchar(255)
        long text
        date_entered smalldatetime
    }
    class UpdateHistory {
        update_history_id numeric(12)
        tair_object_id numeric(12) FK
        attribution_type_id numeric(12) FK
        community_id numeric(12) FK
        type varchar(12)
        previous_data text
        comment varchar(255)
        date smalldatetime
    }
    class Attribution {
        attribution_id numeric(12)
        tair_object_id numeric(12) FK
        attribution_type_id numeric(12) FK
        community_id numeric(12) FK
        date smalldatetime
        comment varchar(255)
    }
    class Keyword {
        keyword_id numeric(12)
        keyword_type_id numeric(12) FK
        keyword varchar(200)
        definition varchar(255)
        go_id varchar(20)
    }
    class KeywordType {
        keyword_type_id numeric(12)
        keyword_type varchar(20)
    }
    class Community {
        community_id numeric(12)
        type varchar(30)
        email varchar(100)
        user_name varchar(30)
        password char(10)
        password_hint varchar(100)
        last_updated smalldatetime
        is_obsolete char(1)
    }
    class TairObj_Ref {
        tairobj_ref_id numeric(12)
        tair_object_id numeric(12) FK
        reference_id numeric(12) FK
        attribution_type_id numeric(12) FK
    }
    class AttributionType {
        attribution_type_id numeric(12)
        attribution_type varchar(64)
    }
    class Reference {
        reference_id numeric(12)
        type varchar(30)
    }
    class TairObj_Keyword {
        tair_object_id numeric(12) FK
        keyword_id numeric(12) FK
    }
    class Alias {
        alias_id numeric(12)
        tair_object_id numeric(12) FK
        alias varchar(50)
        original_alias varchar(50)
        type varchar(20)
    }

    TairObject "1" -- "0..1" Annotation : has
    TairObject "1" -- "0..1" UpdateHistory : has
    TairObject "1" -- "0..1" Attribution : has
    TairObject "1" -- "0..1" TairObj_Keyword : has
    TairObject "1" -- "0..1" Alias : has
    TairObject "1" -- "0..1" Keyword : is_referenced_in
    Annotation "0..1" -- "0..1" Community : annotated_by
    UpdateHistory "1" -- "0..1" Community : made_by
    Attribution "1" -- "0..1" Community : made_by
    Attribution "1" -- "0..1" AttributionType : defines
    Keyword "1" -- "0..1" KeywordType : defines_the_type_of
    KeywordType "1" -- "0..1" Keyword : defines_the_type_of
    Community "1" -- "0..1" AttributionType : defines
    TairObj_Ref "1" -- "0..1" AttributionType : defines
    TairObj_Ref "1" -- "0..1" Reference : refers_to
    TairObj_Keyword "1" -- "0..1" Keyword : is_shared_by
  
```