|  |  |  |
| --- | --- | --- |
| **XML** | **Chado Base Table** | **Chado Column** |
| Taxon->ScientificName | organism | genus |
| Taxon->ScientificName | organism | species |
| IdList->Id | organism\_dbxref | dbxref.accession |
| Taxon->Rank | organism | type\_id |
| Taxon->OtherNames->CommonName | organism | commonname |
| Taxon->ScientificName (if included) | organism | infraspecific\_name |
| NA | organism | comment |

Table S1. Mappings for NCBITaxon metadata into the Chado organism and organism\_dbxref tables, based on Tripal core importers.

|  |  |
| --- | --- |
| **XML** | **Property term** |
| Taxon->Lineage | local:lineage |
| Taxon->GeneticCode->GCId | local:genetic\_code |
| Taxon->GeneticCode->GCName | local:genetic\_code\_name |
| Taxon->MitoGeneticCode->MGCId | local:mitochondrial\_genetic\_code |
| Taxon->MitoGeneticCode->MGCName | local:mitochondrial\_genetic\_code\_name |
| Taxon->Division | local:division |
| Taxon->OtherNames->GenbankCommonName | local:genbank\_common\_name |
| Taxon->OtherNames->Synonym | local:synonym |
| Taxon->OtherNames->GenbankSynonym | local:synonym |
| Taxon->OtherNames->Includes | local:other\_name |
| Taxon->OtherNames->EquivalentName | local:equivalent\_name |
| Taxon->OtherNames->Anamorph | local:anamorph |

Table S2. NCBITaxon to Chado Organism property mappings. Properties are inserted in the

chado.organismprop table.

|  |  |  |
| --- | --- | --- |
| **XML** | **Chado Base Table** | **Chado Column** |
| Journal | pub | title |
| NA | pub | volumetitle |
| Volume | pub | volume |
| NA | pub | series\_name |
| Issue | pub | issue |
| PubDate | pub | pyear |
| MedlinePgn | pub | pages |
| NA | pub | miniref |
| (Citation built from multiple keys) | pub | uniquename |
| PublicationType | pub | type\_id |
| NA | pub | publisher |
| NA | pub | pubplace |
| AuthorList | pubauthor | surname/givennames/suffix |

Table S3. Pubmed XML to Chado pub and pubauthor mappings, based on Tripal core importers.

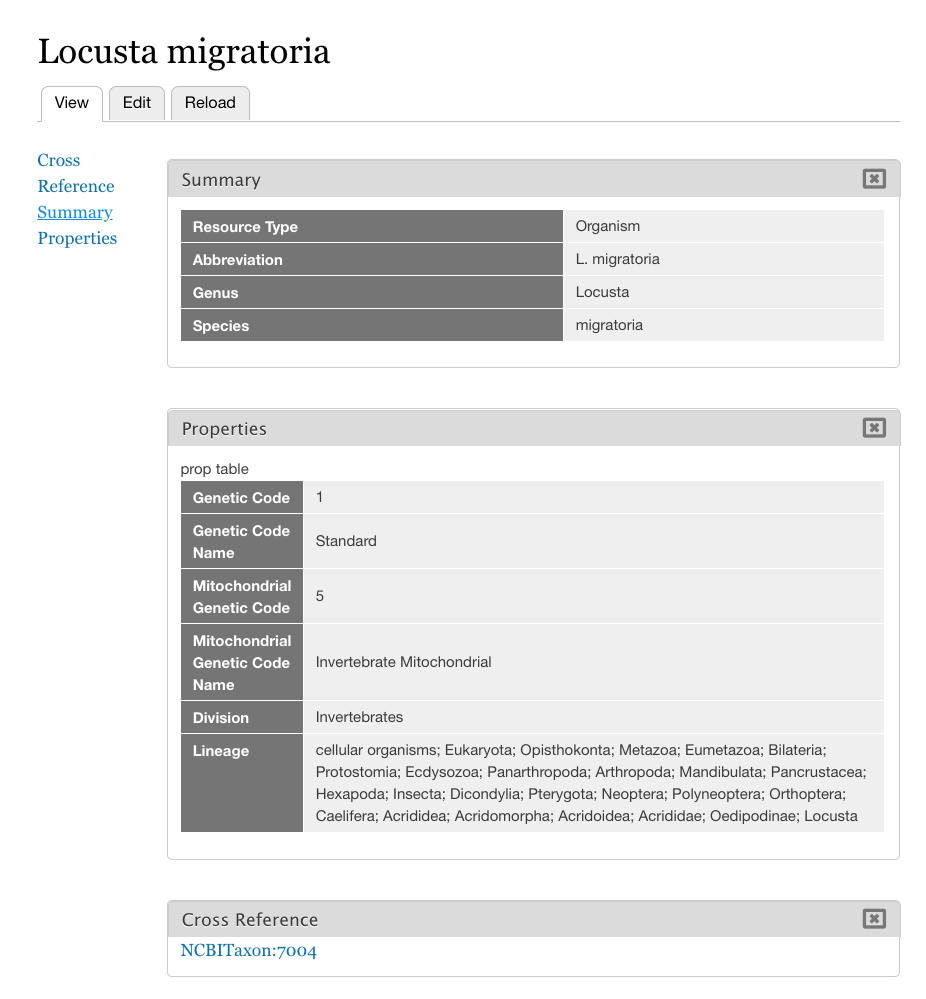


Figure S1. Imported NCBI Taxon 7004 (Locusta migratoria).

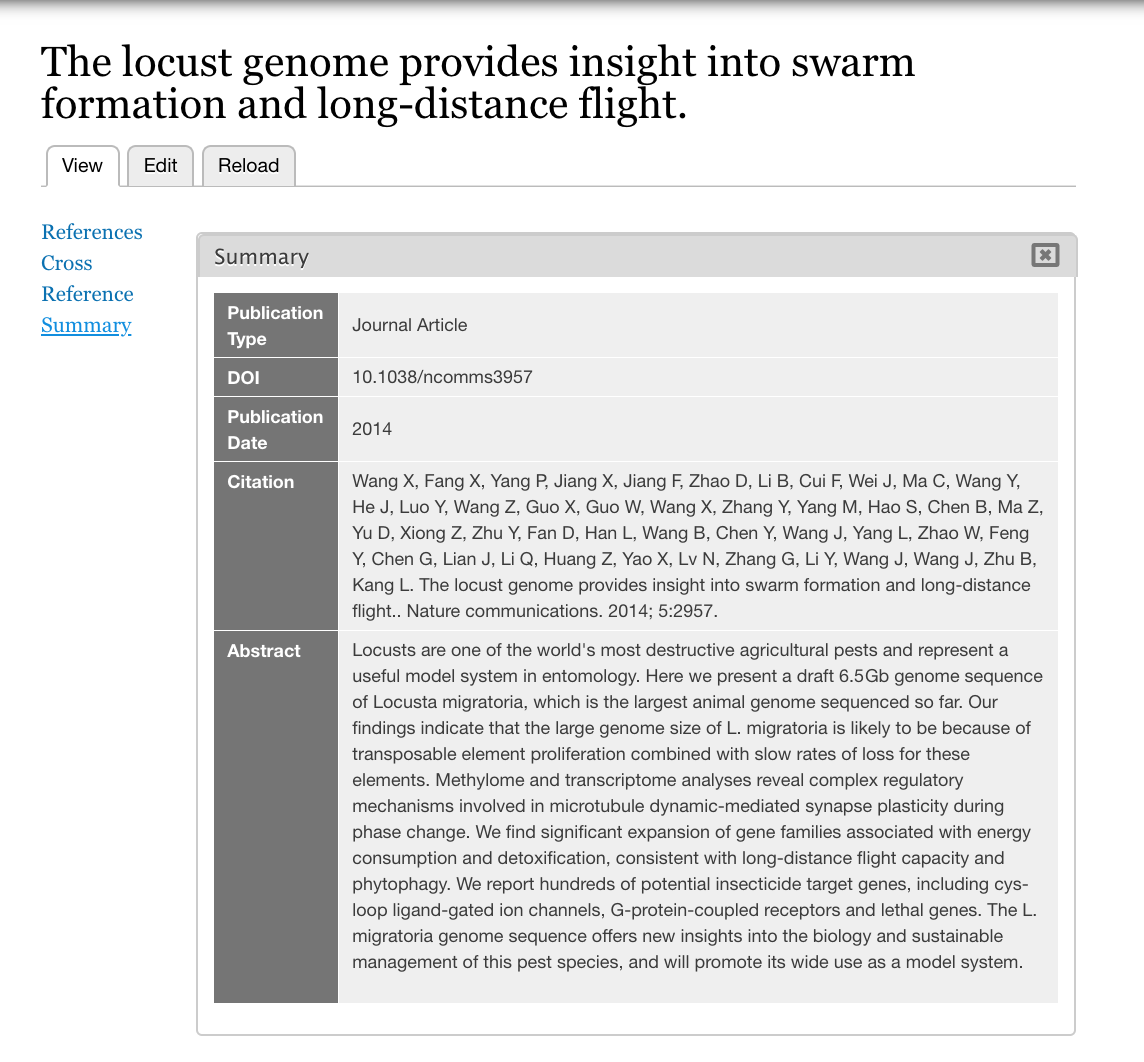


Figure S2. Imported Pubmed ID 24423660.