|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Identity** | **Name** | **Tipo e dominio** | **Multivalue** | **Zero** | **Keys** |
| Gene | **ID\_genbank** | VARCHAR | N | N | S- |
| Description | TEXT | N | N | N |
| Organism | TEXT | N | N | N |
| Date\_publish | VARCHAR | N | N | N |
| sequence | Text | N | N | N |
| length | INT | N | N | N |
| Adenina | INT | N | S | N |
| Citosina | INT | N | S | N |
| Guanina | INT | N | S | N |
| Timina | INT | N | S | N |
| Link | VARCHAR | N | S | N |
| PubMed | **ID\_AI\_PubMed** | INT | N | N | S |
| Title | VARCHAR | N | N | N |
| ID\_PubMed | VARCHAR | N | N | N |
| Doi\_number | VARCHAR | N | N | N |
| Authors | **ID\_Authors** | INT | N | N | S |
| Name | VARCHAR | N | N | N |
| Affiliation | **ID\_Affiliation** | INT | N | N | S |
| Info | VARCHAR | N | N | N |
| History | **ID\_search** | INT | N | N | S |
| Search | VARCHAR | N | N | N |
| Genes\_number\_input | INT | N | N | N |
| Day | DATETIME | N | N | N |
| Genes\_number\_NCBI | INT | N | N | N |
| Protein\_number | INT | N | N | N |
| CDS | **ID\_CDS** | VARCHAR | N | N | S |
| Translation | TEXT | N | N | N |
| Location | INT | N | N | N |
| Uniprot | **ID\_Uniprot** | VARCHAR | N | N | S |
| Function | TEXT | N | N | N |
| Subcellular\_Location | TEXT | N | N | N |
| Protein sequence | TEXT | N | N | N |
| Length (a.a) | INT | N | N | N |
| Link\_Uniprot | VARCHAR | N | N | N |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Identity** | **#** | **Relationship** | **Identity** | **#** |
| Gene | 1…N | Gene\_PubMed | PubMed | 1…N |
| 1…1 | Type\_CDS | CDS | 1…N |
| 1…N | Gene\_History | History | 1…1 |
| PubMed | 1…N | PubMed\_Authors | Authors | 1…N |
| 1…N | PubMed\_Affiliation | Affiliation | 1…N |
| CDS | 1…N | Protein\_info | Uniprot | 1…1 |

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