Tablas aGEM:

1. tbvg\_aba\_core (aba = Allen Brain Atlas)
   1. aba\_id
   2. mgi\_id
   3. structure\_id
   4. strength
   5. pattern
2. tbvg\_aba\_gene\_array\_matrix
   1. aba\_id
   2. ENSEMBL\_id
   3. symbol
   4. stage
   5. age
   6. gender
   7. structure
   8. accronym
   9. structure\_key
   10. strength
3. tbvg\_aba\_genes\_matrix
   1. aba\_id
   2. ENSEMBL\_id
   3. symbol
   4. stage
   5. age
   6. gender
   7. structure
   8. accronym
   9. structure\_key
   10. strength
4. tbvg\_emage
   1. emage\_id
   2. status
   3. source
   4. validation
   5. lastModificationTime
   6. assayType
   7. authors
   8. notes
5. tbvg\_emage\_core
   1. emage\_id
   2. mgi\_id
   3. sex
   4. isWildType
   5. allele\_id
   6. structure\_id
   7. strength
   8. pattern
   9. expression\_note
6. tbvg\_emap
   1. id
   2. numericPart
   3. description
   4. is\_child
   5. parent
   6. is\_parent
   7. children
   8. version
7. tbvg\_entrezswissprot
   1. tax\_id
   2. EntrezID
   3. status
   4. RNA\_nucleotide\_accession\_version
   5. RNA\_nucleotide\_gi
   6. protein\_accession\_version
   7. protein\_gi
   8. genomic\_nucleotide\_accession\_version
   9. genomic\_nucleotide\_gi
   10. start\_position
   11. end\_position
   12. orientation
   13. assembly
8. tbvg\_entrezsymbol
   1. tax\_id
   2. Geneid
   3. Symbol
   4. LocusTag
   5. Synonyms
   6. dbXrefs
   7. chromosome
   8. map\_location
   9. description
   10. GeneType
   11. AuthoritySymbol
   12. FullName
   13. NomenclatureStatus
   14. OtherDesignations
   15. ModificationDate
9. tbvg\_eurexpress\_core
   1. assay\_id
   2. gene\_symbol
   3. mgi\_id
   4. emap\_id
   5. strength
   6. pattern
10. tbvg\_eurexpress\_coreemagenonredundant
    1. assay\_id
    2. gene\_symbol
    3. mgi\_id
    4. emap\_id
    5. strength
    6. pattern
11. tbvg\_eurexpress\_coregxdnonredundant
    1. assay\_id
    2. gene\_symbol
    3. mgi\_id
    4. emap\_id
    5. strength
    6. pattern
12. tbvg\_eurexpress\_corenonredundant (vacía)
13. tbvg\_evoc\_human\_development\_structure
    1. eV\_key
    2. eV\_dev\_key
    3. eV\_parent\_dev\_key
    4. CS
    5. printName
14. tbvg\_evoc\_human\_structure
    1. eV\_key
    2. eV\_parent\_key
    3. CS
    4. printName
15. tbvg\_evoc\_mouse\_structure
    1. eV\_key
    2. eV\_dev\_key
    3. eV\_parent\_key
    4. TS
    5. printName
16. tbvg\_gensat\_acquisitiontechnique
    1. id
    2. name
17. tbvg\_gensat\_annotation
    1. id
    2. gene\_id
    3. mouseage\_id
    4. structure\_id
    5. expressionlevel\_id
    6. expressionpattern\_id
    7. other
    8. image\_id
18. tbvg\_gensat\_annotation\_celltype
    1. id
    2. annotation\_id
    3. celltype\_id
19. tbvg\_gensat\_annotation\_subtype
    1. id
    2. annotation\_id
    3. subtype\_id
20. tbvg\_gensat\_bac
    1. id
    2. address
    3. marker\_id
    4. gene\_id
    5. aboxprimer
21. tbvg\_gensat\_batch
    1. id
    2. uploaddate
22. tbvg\_gensat\_batch\_veracitysupport
    1. id
    2. batch\_id
    3. veracitysupport\_id
23. tbvg\_gensat\_celltype
    1. id
    2. name
    3. orderby
24. tbvg\_gensat\_core
    1. gensat\_core\_id
    2. gensat\_id
    3. mgi\_id
    4. image\_id
    5. sex
    6. age\_id
    7. structure\_id
    8. strength
    9. pattern
25. tbvg\_gensat\_expressionlevel
    1. id
    2. symbol
    3. description
26. tbvg\_gensat\_expressionpattern
    1. id
    2. description
    3. abbreviation
    4. orderby
27. tbvg\_gensat\_founder
    1. id
    2. founderline
    3. bac\_id
28. tbvg\_gensat\_gene
    1. id
    2. name
    3. shortname
    4. entrez\_id
    5. mgi
29. tbvg\_gensat\_gene\_alias
    1. id
    2. gene\_id
    3. alias
30. tbvg\_gensat\_gene\_literature
    1. id
    2. gene\_id
    3. literature\_id
31. tbvg\_gensat\_gene\_supportcomment
    1. gene\_id
    2. comment
    3. id
    4. public
32. tbvg\_gensat\_image
    1. id
    2. gene\_id
    3. mouseage\_id
    4. orientation\_id
    5. section
    6. acquisitiontechnique\_id
    7. stain\_id
    8. magnification
    9. sectionprocedure\_id
    10. batch\_id
    11. organism\_id
    12. veracity\_id
33. tbvg\_gensat\_important\_readme
34. tbvg\_gensat\_literature
    1. id
    2. pmid
35. tbvg\_gensat\_marker
    1. id
    2. name
    3. creflpe
    4. inducible
36. tbvg\_gensat\_mouseage
    1. id
    2. age
    3. ageorder
37. tbvg\_gensat\_organism
    1. id
    2. taxon
    3. mouseage\_id
    4. sacdate
    5. sex\_id
    6. gene\_id
    7. sectioningdate
    8. founder\_id
38. tbvg\_gensat\_orientation
    1. id
    2. name
39. tbvg\_gensat\_sectionprocedure
    1. id
    2. name
40. tbvg\_gensat\_sex
    1. id
    2. name
41. tbvg\_gensat\_stain
    1. id
    2. name
42. tbvg\_gensat\_structure
    1. id
    2. name
    3. orderby
    4. fibertract
    5. abbr
    6. superstructure\_id
    7. required
    8. hierarchicalname
43. tbvg\_gensat\_subtype
    1. id
    2. name
    3. listid
    4. expandedname
44. tbvg\_gensat\_veracity
    1. id
    2. name
    3. definition
45. tbvg\_gensat\_veracitysupport
    1. id
    2. name
46. tbvg\_gxd\_core
    1. gxd\_id
    2. mgi\_id
    3. isGel
    4. specimen\_id
    5. sex
    6. isWildType
    7. allele\_id
    8. structure\_id
    9. strength
    10. pattern
47. tbvg\_hudsen\_core
    1. id
    2. hudsen\_id
    3. ENSEMBL\_id
    4. symbol
    5. CS
    6. structure
    7. structure\_key
    8. strength
    9. pattern
    10. expression\_note
48. tbvg\_hudsen\_coresin\_id
    1. id
    2. hudsen\_id
    3. ENSEMBL\_id
    4. symbol
    5. CS
    6. structure
    7. structure\_key
    8. strength
    9. pattern
    10. expression\_note
49. tbvg\_human\_entrezswissprot
    1. tax\_id
    2. EntrezID
    3. status
    4. RNA\_nucleotide\_accession\_version
    5. RNA\_nucleotide\_gi
    6. protein\_accession\_version
    7. protein\_gi
    8. genomic\_nucleotide\_accession\_version
    9. genomic\_nucleotide\_gi
    10. start\_position
    11. end\_position
    12. orientation
    13. assembly
50. tbvg\_human\_entrezsymbol
    1. tax\_id
    2. Geneid
    3. Symbol
    4. LocusTag
    5. Synonyms
    6. dbXrefs
    7. chromosome
    8. map\_location
    9. description
    10. GeneType
    11. AuthoritySymbol
    12. FullName
    13. NomenclatureStatus
    14. OtherDesignation
    15. ModificationDate
51. tbvg\_humanproteinatlas\_core
    1. HPA\_id
    2. ENSEMBL\_id
    3. stage
    4. structure
    5. structure\_key
    6. cellType
    7. strength
    8. experiment
    9. reliability
52. tbvg\_humanproteinatlas\_coresin\_id
    1. HPA\_id
    2. ENSEMBL\_id
    3. stage
    4. structure
    5. cellType
    6. strength
    7. experiment
    8. reliability
53. tbvg\_human\_entrezswissprot
    1. tax\_id
    2. EntrezID
    3. status
    4. RNA\_nucleotide\_accession\_version
    5. RNA\_nucleotide\_gi
    6. protein\_accession\_version
    7. genomic\_nucleotide\_accession\_version
    8. genomic\_nucleotide\_gi
    9. start\_position
    10. end\_position
    11. orientation
    12. assembly
54. tbvg\_human\_entrezsymbol
    1. tax\_id
    2. Geneid
    3. Symbol
    4. LocusTag
    5. Synonyms
    6. dbXrefs
    7. chromosome
    8. map\_location
    9. description
    10. GeneType
    11. AuthoritySymbol
    12. FullName
    13. NomenclatureStatus
    14. OtherDesignations
    15. ModificationDate
55. tbvg\_humanproteinatlas\_core
    1. HPA\_id
    2. ENSEMBL\_id
    3. stage
    4. structure
    5. structure\_key
    6. cellType
    7. strength
    8. experiment
    9. reliability
56. tbvg\_humanproteinatlas\_coresin\_id
    1. HPA\_id
    2. ENSEMBL\_id
    3. stage
    4. structure
    5. cellType
    6. strength
    7. experiment
    8. reliability
57. tbvg\_kegg\_core
    1. kegg\_id
    2. kegg\_type
    3. kegg\_subtype
    4. kegg\_name
    5. mgi\_id
58. tbvg\_kegghuman\_core
    1. kegg\_id
    2. kegg\_type
    3. kegg\_subtype
    4. kegg\_name
    5. symbol
59. tbvg\_ma
    1. id
    2. description
    3. is\_child
    4. parent
    5. is\_parent
    6. children
    7. version
60. tbvg\_mgi\_acc\_accession
    1. \_Accession\_key
    2. accID
    3. prefixPart
    4. numericPart
    5. \_LogicalDB\_key
    6. \_Object\_key
    7. \_MGIType\_key
    8. private
    9. preferred
    10. \_CreatedBy\_key
    11. \_ModifiedBy\_key
    12. creation\_date
    13. modification\_date
61. tbvg\_mgi\_acc\_mgitype
    1. \_MGIType\_key
    2. name
    3. tableName
    4. primaryKeyName
    5. identityColumnName
    6. dbView
    7. \_CreatedBy\_key
    8. \_ModifiedBy\_key
    9. creation\_date
    10. modification\_date
62. tbvg\_mgi\_all\_allele (vacía)
63. tbvg\_mgi\_all\_cellline (vacía)
64. tbvg\_mgi\_bib\_citation\_cache
    1. \_Refs\_key
    2. numericPart
    3. jnumID
    4. mgiID
    5. pubmedID
    6. reviewStatus
    7. journal
    8. citation
    9. short\_citation
    10. isReviewArticle
    11. isReviewArticleString
65. tbvg\_mgi\_gxd\_allelegenotype
    1. \_Genotype\_key
    2. \_Marker\_key
    3. \_Allele\_key
    4. sequenceNum
    5. \_CreatedBy\_key
    6. \_ModifiedBy\_key
    7. creation\_date
    8. modification\_date
66. tbvg\_mgi\_gxd\_assay
    1. \_Assay\_key
    2. \_AssayType\_key
    3. \_Refs\_key
    4. \_Marker\_key
    5. \_ProbePrep\_key
    6. \_AntibodyPrep\_key
    7. \_ImagePane\_key
    8. \_ReporterGene\_key
    9. \_CreatedBy\_key
    10. \_ModifiedBy\_key
    11. creation\_date
    12. modification\_date
67. tbvg\_mgi\_gxd\_assaynote
    1. \_Assay\_key
    2. sequenceNum
    3. assayNote
    4. creation\_date
    5. modification\_date
68. tbvg\_mgi\_gxd\_assaytype
    1. \_AssayType\_key
    2. assayType
    3. isRNAAssay
    4. isGelAssay
69. tbvg\_mgi\_gxd\_expression
    1. \_Expression\_key
    2. \_Assay\_key
    3. \_Refs\_key
    4. \_AssayType\_key
    5. \_Genotype\_key
    6. \_Marker\_key
    7. \_Structure\_key
    8. expressed
    9. age
    10. ageMin
    11. ageMax
    12. creation\_date
    13. modification\_date
70. tbvg\_mgi\_gxd\_full
    1. index
    2. \_Assay\_key
    3. \_Result\_key
    4. \_Marker\_key
    5. numericPart
    6. symbol
    7. name
    8. \_AssayType\_key
    9. printName
    10. \_Structure\_key
    11. edinburghKey
    12. \_Stage\_key
    13. ageMin
    14. ageMax
    15. \_Strength\_key
    16. \_Pattern\_key
    17. gelunits
    18. size
    19. \_GelBand\_key
    20. lanelabel
    21. ISHnote
    22. lanenote
    23. rownote
    24. bandnote
    25. reference
    26. pubmedID
71. tbvg\_mgi\_gxd\_gelband
    1. \_GelBand\_key
    2. \_GelLane\_key
    3. \_GelRow\_key
    4. \_Strength\_key
    5. bandNote
    6. creation\_date
    7. modification\_date
72. tbvg\_mgi\_gxd\_gellane
    1. \_GelLane\_key
    2. \_Assay\_key
    3. \_Genotype\_key
    4. \_GelRNAType\_key
    5. \_GelControl\_key
    6. sequenceNum
    7. laneLabel
    8. sampleAmount
    9. sex
    10. age
    11. ageMin
    12. ageMax
    13. ageNote
    14. laneNote
    15. creation\_date
    16. modification\_date
73. tbvg\_mgi\_gxd\_gellanestructure
    1. \_GelLane\_key
    2. \_Structure\_key
    3. creation\_date
    4. modification\_date
74. tbvg\_mgi\_gxd\_gelrow
    1. \_GelRow\_key
    2. \_Assay\_key
    3. \_GelUnits\_key
    4. sequenceNum
    5. size
    6. rowNote
    7. creation\_date
    8. modification\_date
75. tbvg\_mgi\_gxd\_gelunits
    1. \_GelUnits\_key
    2. units
    3. creation\_date
    4. modification\_date
76. tbvg\_mgi\_gxd\_genotype
    1. \_Genotype\_key
    2. \_Strain\_key
    3. isConditional
    4. note
    5. \_CreatedBy\_key
    6. \_ModifiedBy\_key
    7. creation\_date
    8. modification\_date
77. tbvg\_mgi\_gxd\_insituresult
    1. \_Result\_key
    2. \_Specimen\_key
    3. \_Strength\_key
    4. \_Pattern\_key
    5. sequenceNum
    6. resultNote
78. tbvg\_mgi\_gxd\_insituresultimage
    1. \_Result\_key
    2. \_ImagePane\_key
    3. creation\_date
    4. modification\_date
79. tbvg\_mgi\_gxd\_istesultstructure
    1. \_Result\_key
    2. \_Structure\_key
    3. creation\_date
    4. modification\_date
80. tbvg\_mgi\_gxd\_main
    1. index
    2. \_Assay\_key
    3. \_Result\_key
    4. \_Marker\_key
    5. numericPart
    6. symbol
    7. name
    8. \_AssayType\_key
    9. printName
    10. \_Structure\_key
    11. edinburghKey
    12. \_Stage\_key
    13. ageMin
    14. ageMax
    15. \_Strength\_key
    16. \_Pattern\_key
    17. resultnote
81. tbvg\_mgi\_gxd\_mouse\_human\_orthologs
    1. numericPart
    2. mouse\_EntrezId
    3. human\_EntrezId
    4. human\_symbol
82. tbvg\_mgi\_gxd\_names
    1. \_Swissprot\_key
    2. numericPart
    3. symbol
    4. name
83. tbvg\_mgi\_gxd\_pattern
    1. \_Pattern\_key
    2. pattern
    3. creation\_data
    4. modification\_date
84. tbvg\_mgi\_gxd\_specimen
    1. \_Specimen\_key
    2. \_Assay\_key
    3. \_Embedding\_key
    4. \_Fixation\_key
    5. \_Genotype\_key
    6. sequenceNum
    7. specimenLabel
    8. sex
    9. age
    10. ageMin
    11. ageMax
    12. ageNote
    13. hybridization
    14. specimenNote
    15. creation\_date
    16. modification\_date
85. tbvg\_mgi\_gxd\_strength
    1. \_Strength\_key
    2. strength
    3. creation\_date
    4. modification\_date
86. tbvg\_mgi\_gxd\_structure
    1. \_Structure\_key
    2. \_Parent\_key
    3. \_StructureName\_key
    4. \_Stage\_key
    5. edinburghKey
    6. printName
    7. treeDepth
    8. printStop
    9. topoSort
    10. structureNote
    11. creation\_date
    12. modification\_date
87. tbvg\_mgi\_gxd\_structurename
    1. \_StructureName\_key
    2. \_Structure\_key
    3. structure
    4. mgiAdded
    5. creation\_date
    6. modification\_date
88. tbvg\_mgi\_gxd\_theilerstage
    1. \_Stage\_key
    2. stage
    3. description
    4. dpcMin
    5. dpcMax
    6. creation\_date
    7. modification\_date
89. tbvg\_mgi\_img\_cache
    1. \_Image\_key
    2. \_ThumbnailImage\_key
    3. \_ImagePane\_key
    4. \_ImageMGIType\_key
    5. \_Object\_key
    6. \_MGIType\_key
    7. \_Refs\_key
    8. \_AssayType\_key
    9. numericPart
    10. thumbnailNumericPart
    11. sequenceNum
    12. assayType
    13. figureLabel
    14. paneLabel
90. tbvg\_mgi\_mrk\_marker
    1. \_Marker\_key
    2. \_Organism\_key
    3. \_Marker\_Status\_key
    4. \_Marker\_Type\_key
    5. \_CurationState\_key
    6. symbol
    7. name
    8. chromosome
    9. cytogeneticOffset
    10. \_CreatedBy\_key
    11. \_ModifiedBy\_key
    12. creation\_date
    13. modification\_date
91. tbvg\_mgi\_mtb\_core
    1. index
    2. MTB\_ID
    3. Tumor\_Name
    4. Frequency
    5. Strain
    6. Chromosome
    7. MGI\_ID
    8. Mutation\_Location
    9. STR\_ID
    10. Affected\_Organ
    11. Note
    12. Reference
92. tbvg\_mgi\_mtb\_full
    1. index
    2. MTB\_ID
    3. Tumor\_Name
    4. Frequency
    5. Strain
    6. Chromosome
    7. MGI\_ID
    8. Mutation\_Location
    9. STR\_ID
    10. Affected\_Organ
    11. Note
    12. Reference
93. tbvg\_mgi\_organism
    1. \_Organism\_key
    2. commonName
    3. latinName
    4. \_CreatedBy\_key
    5. \_ModifiedBy\_key
    6. creation\_date
    7. modification\_date
94. tbvg\_mgi\_prb\_strain
    1. \_Strain\_key
    2. \_Species\_key
    3. \_StrainType\_key
    4. strain
    5. standard
    6. private
    7. \_CreatedBy\_key
    8. \_ModifiedBy\_key
    9. creation\_date
    10. modification\_date
95. tbvg\_mousedevelopment
    1. \_Development\_key
    2. printName
    3. \_Development\_parent
    4. treeDeep
    5. TS1…28 (28 campos diferentes)
96. tbvg\_omim
    1. index
    2. gene\_id
    3. symbol
    4. title
    5. chr\_location
    6. disease
    7. disease\_id
97. tbvg\_omim\_genes
    1. index
    2. omim\_id
    3. gene\_id
    4. Title
    5. Creationdate
98. tbvg\_statisticaldata
    1. geneID
    2. structureID
    3. mean
    4. variance
    5. EMAGE
    6. GXD
    7. GENSAT
99. tbvg\_statisticaldatapattern
    1. geneID
    2. structureID
    3. mean
    4. variance
    5. pattern
    6. EMAGE
    7. GXD
    8. GENSAT
100. tbvg\_stats\_core
     1. mgi\_id
     2. structure
     3. mode
     4. min
     5. max
     6. average
     7. variance
     8. pattern
     9. emage
     10. gxd
     11. gensat
     12. aba
     13. sym
     14. eurexpress
101. tbvg\_stats\_core\_recursive
     1. mgi\_id
     2. structure
     3. mode
     4. min
     5. max
     6. average
     7. variance
     8. emage
     9. gxd
     10. gensat
     11. aba
     12. sym
     13. eurexpress
102. tbvg\_stats\_core\_recursive\_sin\_eurexpress
     1. mgi\_id
     2. structure
     3. mode
     4. min
     5. max
     6. average
     7. variance
     8. emage
     9. gxd
     10. gensat
     11. aba
     12. sym
103. tbvg\_stats\_human\_core
     1. ensembl\_id
     2. structure
     3. mode
     4. min
     5. max
     6. average
     7. variance
     8. sym
     9. hudsen
     10. hpa
104. tbvg\_stats\_human\_core\_new
     1. ensembl\_id
     2. structure
     3. mode
     4. min
     5. max
     6. average
     7. variance
     8. sym
     9. hudsen
     10. hpa
105. tbvg\_stats\_human\_core\_recursive
     1. ensembl\_id
     2. structure
     3. mode
     4. min
     5. max
     6. average
     7. variance
     8. sym
     9. hudsen
     10. hpa
106. tbvg\_stats\_human\_coreprueba
     1. stage
     2. human\_symbol
     3. mgi\_id
     4. structure
     5. ID
     6. mode
     7. min
     8. max
     9. average
     10. variance
     11. sym
107. tbvg\_structure2development
     1. \_Structure\_key
     2. \_Stage\_key
     3. \_Development\_key
108. tbvg\_structures\_not\_in\_u133
     1. symat\_id
     2. ENSEMBL\_id
     3. human\_symbol
     4. structure
     5. expression
109. tbvg\_index\_symatlas
     1. index
     2. symID
     3. symbol
     4. tissue
     5. expression
110. tbvg\_symatlashuman
     1. symID
     2. symbol
     3. tissue
     4. expression
111. tbvg\_symatlashuman\_core
     1. symat\_id
     2. ENSEMBL\_id
     3. human\_symbol
     4. structure
     5. expression
112. tbvg\_symatlashuman\_coresin\_alinear
     1. symat\_id
     2. ENSEMBL\_id
     3. human\_symbol
     4. structure
     5. expression