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**Metagenómica clínica**

***Biología molecular***

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## INFORME TAXONÓMICO

MBIxxxxxxxxx

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**PACIENTE:**

**Nº PACIENTE:**

**CENTRO:**

**FACULTATIVO PRESCRIPTOR:**

**CÓDIGO XENOGENE:**

**MUESTRA:** HECES

## PROSPECCIÓN TAXONÓMICA (documento sin valor clínico)

### TAXONOMÍA BACTERIA:

		Lecturas	Rango	Inferencia	Taxid
1	root	1626785	no rank	neutral	1
2	cellular organisms	1626785	no rank	neutral	131567
3	Bacteria	1626785	superkingdom	neutral	2
4	FCB group	1105380	clade	neutral	1783270
5	Bacteroidota/Chlorobiota group	1105380	clade	neutral	68336
6	Bacteroidota	1105380	phylum	neutral	976
7	Bacteroidia	1098557	class	neutral	200643
8	Bacteroidales	1097705	order	neutral	171549
9	Bacteroidaceae	907760	family	neutral	815
10	Phocaeicola	390017	genus	neutral	909656
11	Phocaeicola vulgatus	192204	species	confiable	821
12	Phocaeicola vulgatus ATCC 8482	3737	strain	confiable	435590
13	Phocaeicola dorei	35402	species	confiable	357276
14	Phocaeicola dorei CL03T12C01	637	strain	confiable	997877
15	Phocaeicola salanitronis	52	species	confiable	376805
16	Phocaeicola salanitronis DSM 18170	52	strain	confiable	667015
17	Phocaeicola coprophilus	166	species	confiable	387090
18	Bacteroides	473363	genus	neutral	816
19	Bacteroides xylanisolvens	51750	species	confiable	371601
20	Bacteroides fragilis	75783	species	confiable	817
21	Bacteroides fragilis CL03T12C07	695	strain	confiable	997879
22	Bacteroides fragilis 638R	160	strain	confiable	862962
23	Bacteroides fragilis YCH46	215	strain	confiable	295405
24	Bacteroides caccae	69585	species	confiable	47678
25	Bacteroides caccae CL03T12C61	1184	strain	confiable	997873
26	Bacteroides uniformis	32994	species	confiable	820
27	Bacteroides uniformis CL03T12C37	1558	strain	confiable	997890
28	Bacteroides ovatus	10979	species	confiable	28116
29	Bacteroides cellulosilyticus	19293	species	confiable	246787
30	Bacteroides faecis	1085	species	confiable	674529
31	Bacteroides thetaiotaomicron	2627	species	confiable	818
32	unclassified Bacteroides	1384	no rank	neutral	2646097
33	Bacteroides sp. A1C1	316	species	confiable	2528203
34	Bacteroides sp. D2	378	species	confiable	556259
35	Bacteroides sp. HF-162	335	species	confiable	2785531
36	Bacteroides sp. CACC 737	287	species	confiable	2755405
37	Bacteroides sp. PHL 2737	5	species	confiable	2162637
38	Bacteroides sp. ZJ-18	3	species	confiable	2709390
39	Bacteroides luhongzhouii	566	species	confiable	2650158
40	Bacteroides humanifaecis	337	species	confiable	2792859
41	Bacteroides stercoris	423	species	confiable	46506
42	Bacteroides stercoris ATCC 43183	357	strain	confiable	449673
43	Bacteroides caecimuris	414	species	confiable	1796613
44	Bacteroides salyersiae	383	species	confiable	291644
45	Bacteroides zhangwenhongii	195	species	confiable	2650157
46	Bacteroides faecium	346	species	confiable	2715212
47	Bacteroides intestinalis	137	species	confiable	329854
48	Bacteroides eggerthii	58	species	confiable	28111
49	Bacteroides nordii	41	species	confiable	291645
50	Bacteroides helcogenes	22	species	confiable	290053
51	Bacteroides helcogenes P 36-108	22	strain	confiable	693979
52	Bacteroides zooglooformans	22	species	confiable	28119
53	Bacteroides heparinolyticus	10	species	confiable	28113

**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
54	Tannerellaceae	84434	family	neutral	2005525
55	Parabacteroides	84434	genus	neutral	375288
56	Parabacteroides distasonis	22777	species	confiable	823
57	Parabacteroides distasonis ATCC 8503	308	strain	confiable	435591
58	Parabacteroides merdae	29991	species	confiable	46503
59	Parabacteroides merdae ATCC 43184	1	strain	confiable	411477
60	Parabacteroides johnsonii	251	species	confiable	387661
61	Parabacteroides goldsteinii	131	species	confiable	328812
62	Parabacteroides faecis	133	species	confiable	1217282
63	unclassified Parabacteroides	26	no rank	neutral	2649774
64	Parabacteroides sp. CT06	26	species	confiable	2025876
65	Tannerella	1	genus	neutral	195950
66	Tannerella serpentiformis	1	species	confiable	712710
67	Prevotellaceae	26887	family	neutral	171552
68	Paraprevotella	26363	genus	neutral	577309
69	Paraprevotella clara	16068	species	confiable	454154
70	Paraprevotella xylaniphila	4175	species	confiable	454155
71	Paraprevotella xylaniphila YIT 11841	4175	strain	confiable	762982
72	Prevotella	289	genus	neutral	838
73	unclassified Prevotella	6	no rank	neutral	2638335
74	Prevotella sp. Rep29	2	species	posible	2691580
75	Prevotella sp. E9-3	2	species	confiable	2913621
76	Prevotella sp. E2-28	1	species	confiable	2913620
77	Prevotella sp. oral taxon 299	1	species	neutral	652716
78	Prevotella sp. oral taxon 299 str. F0039	1	strain	confiable	575614
79	Prevotella melaninogenica	10	species	confiable	28132
80	Prevotella intermedia	6	species	confiable	28131
81	Prevotella bivia	198	species	confiable	28125
82	Prevotella corporis	18	species	confiable	28128
83	Prevotella ruminicola	3	species	confiable	839
84	Prevotella bryantii	1	species	neutral	77095
85	Prevotella bryantii B14	1	strain	posible	752555
86	Segatella	198	genus	neutral	2974251
87	Segatella copri	198	species	confiable	165179
88	Prevotella copri DSM 18205	198	strain	confiable	537011
89	Pseudoprevotella	1	genus	neutral	2884814
90	Pseudoprevotella muciniphila	1	species	confiable	2133944
91	Hoylesella	3	genus	neutral	2974257
92	Hoylesella buccalis	2	species	confiable	28127
93	Rikenellaceae	20956	family	neutral	171550
94	Alistipes	20956	genus	neutral	239759
95	Alistipes finegoldii	7810	species	confiable	214856
96	Alistipes finegoldii DSM 17242	3115	strain	confiable	679935
97	Alistipes shahii	7624	species	confiable	328814
98	Alistipes shahii WAL 8301	7624	strain	confiable	717959
99	Alistipes onderdonkii	990	species	confiable	328813
100	Alistipes onderdonkii subsp. vulgaris	315	subspecies	confiable	2585117
101	Alistipes communis	828	species	confiable	2585118
102	Alistipes senegalensis	147	species	confiable	1288121
103	Alistipes dispar	84	species	confiable	2585119
104	Alistipes ihumii	809	species	confiable	1470347
105	Alistipes ihumii AP11	809	strain	confiable	1211813
106	Alistipes megaguti	28	species	confiable	2364787
107	environmental samples	27	no rank	neutral	538948
108	uncultured Alistipes sp.	27	species	confiable	538949
109	Alistipes indistinctus	8	species	confiable	626932

**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
110	Alistipes indistinctus YIT 12060	1	strain	confiable	742725
111	unclassified Alistipes	8	no rank	neutral	2608932
112	Alistipes sp. dk3624	8	species	confiable	2662363
113	Odoribacteraceae	13792	family	neutral	1853231
114	Odoribacter	13367	genus	neutral	283168
115	Odoribacter splanchnicus	13367	species	confiable	28118
116	Odoribacter splanchnicus DSM 20712	3	strain	confiable	709991
117	Butyricimonas	439	genus	neutral	574697
118	Butyricimonas virosa	308	species	confiable	544645
119	Butyricimonas faecalis	79	species	confiable	2093856
120	Barnesiellaceae	356	family	neutral	2005519
121	Barnesiella	290	genus	neutral	397864
122	Barnesiella viscericola	290	species	neutral	397865
123	Barnesiella viscericola DSM 18177	290	strain	confiable	880074
124	Coprobacter	59	genus	neutral	1348911
125	Coprobacter secundus	35	species	confiable	1501392
126	Coprobacter secundus subsp. similis	35	subspecies	confiable	2751153
127	Muribaculaceae	69	family	neutral	2005473
128	Sodaliphilus	62	genus	neutral	2815786
129	Sodaliphilus pleomorphus	62	species	confiable	2606626
130	Duncaniella	4	genus	neutral	2518495
131	unclassified Duncaniella	4	no rank	neutral	2649562
132	Duncaniella sp. B8	4	species	confiable	2576606
133	Muribaculum	4	genus	neutral	1918540
134	Muribaculum intestinale	4	species	confiable	1796646
135	Dysgonomonadaceae	5	family	neutral	2005520
136	Proteiniphilum	3	genus	neutral	294702
137	Proteiniphilum saccharofermentans	1	species	confiable	1642647
138	Porphyromonadaceae	7	family	neutral	171551
139	Porphyromonas	7	genus	neutral	836
140	Porphyromonas gingivalis	4	species	confiable	837
141	Bacteroidales incertae sedis	1	no rank	neutral	333046
142	Candidatus Azobacteroides	1	genus	neutral	511434
143	Candidatus Azobacteroides pseudotrichonymphae	1	species	neutral	511435
144	Candidatus Azobacteroides pseudotrichonymphae genomovar. C	1	isolate	neutral	511995
145	Marinilabiales	3	order	neutral	1970189
146	Prolixibacteraceae	3	family	neutral	1471398
147	Draconibacterium	2	genus	neutral	1471399
148	Draconibacterium orientale	2	species	confiable	1168034
149	Maribellus	2	genus	neutral	2678352
150	Maribellus comscasis	2	species	confiable	2681766
151	Marinilabiales	1	family	neutral	558415
152	Alkaliflexus	1	genus	neutral	286729
153	unclassified Alkaliflexus	1	no rank	neutral	2644571
154	Alkaliflexus sp. Ai-910	1	species	confiable	2949635
155	Flavobacteriia	49	class	neutral	117743
156	Flavobacteriales	49	order	neutral	200644
157	Flavobacteriaceae	29	family	neutral	49546
158	Flavobacterium	10	genus	neutral	237
159	unclassified Flavobacterium	5	no rank	neutral	196869
160	Flavobacterium sp. CJ75	1	species	posible	3034146
161	Flavobacterium sp. KACC 22763	1	species	confiable	3025668
162	Flavobacterium sp. M31R6	1	species	confiable	2739062
163	Flavobacterium litorale	1	species	confiable	2856519
164	Zobellia	1	genus	neutral	112040
165	Zobellia galactanivorans	1	species	confiable	63186

**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
166	Algibacter	1	genus	neutral	261827
167	Algibacter luteus	1	species	confiable	1178825
168	Aggregatimonas	1	genus	neutral	2913017
169	Aggregatimonas sangjinii	1	species	confiable	2583587
170	Polaribacter	1	genus	neutral	52959
171	Polaribacter haliotis	1	species	posible	1888915
172	Dokdonia	1	genus	neutral	326319
173	unclassified Dokdonia	1	no rank	neutral	2615033
174	Dokdonia sp. Dokd-P16	1	species	posible	2173169
175	Lacinutrix	1	genus	neutral	291183
176	Lacinutrix venerupis	1	species	confiable	1486034
177	Weeksellaceae	15	family	neutral	2762318
178	Chryseobacterium group	8	no rank	neutral	2782232
179	Chryseobacterium	8	genus	neutral	59732
180	unclassified Chryseobacterium	2	no rank	neutral	2593645
181	Chryseobacterium sp. POL2	1	species	confiable	2713414
182	Chryseobacterium sp. IHB B 17019	1	species	posible	1721091
183	Chryseobacterium oryzae	1	species	confiable	2929799
184	Chryseobacterium gallinarum	1	species	posible	1324352
185	Crocinitomicaceae	1	family	neutral	1853230
186	Paracrocinitomix	1	genus	neutral	3024544
187	Paracrocinitomix mangrovi	1	species	confiable	2862509
188	Chitinophagia	5	class	neutral	1853228
189	Chitinophagales	5	order	neutral	1853229
190	Chitinophagaceae	5	family	neutral	563835
191	Chitinophaga	2	genus	neutral	79328
192	Chitinophaga filiformis	1	species	confiable	104663
193	Flavisolibacter	1	genus	neutral	398041
194	Flavisolibacter tropicus	1	species	confiable	1492898
195	Lacibacter	1	genus	neutral	649461
196	unclassified Lacibacter	1	no rank	neutral	2630913
197	Lacibacter sp. S13-6-22	1	species	confiable	2760713
198	Pseudocnuella	1	genus	neutral	2812019
199	Pseudocnuella soli	1	species	posible	2502779
200	Sediminibacterium	1	genus	neutral	504481
201	unclassified Sediminibacterium	1	no rank	neutral	2635961
202	Sediminibacterium sp. TEGAF015	1	species	posible	575378
203	Cytophagia	15	class	neutral	768503
204	Cytophagales	15	order	neutral	768507
205	Hymenobacteraceae	6	family	neutral	1853232
206	Hymenobacter	4	genus	neutral	89966
207	Hymenobacter qilianensis	1	species	confiable	1385715
208	Pontibacter	2	genus	neutral	323449
209	Pontibacter actiniarum	1	species	confiable	323450
210	Cytophagaceae	3	family	neutral	89373
211	Tellurirhabdus	1	genus	neutral	2674996
212	Tellurirhabdus rosea	1	species	confiable	2674997
213	Cyclobacteriaceae	1	family	neutral	563798
214	Algoriphagus	1	genus	neutral	246875
215	unclassified Algoriphagus	1	no rank	neutral	2641541
216	Algoriphagus sp. Y33	1	species	posible	2772483
217	Sphingobacteriia	12	class	neutral	117747
218	Sphingobacteriales	12	order	neutral	200666
219	Sphingobacteriaceae	12	family	neutral	84566
220	Sphingobacterium	3	genus	neutral	28453
221	Sphingobacterium spiritivorum	1	species	confiable	258

## TAXONOMÍA BACTERIA:

		Lecturas	Rango	Inferencia	Taxid
222	unclassified Sphingobacterium	2	no rank	neutral	2609468
223	Sphingobacterium sp. DR205	1	species	posible	2713573
224	Chlorobiota	2	phylum	neutral	1090
225	Chlorobiia	2	class	neutral	191410
226	Chlorobiales	2	order	neutral	191411
227	Chlorobiaceae	2	family	neutral	191412
228	Prosthecochloris	2	genus	neutral	1101
229	unclassified Prosthecochloris	2	no rank	neutral	2632826
230	Prosthecochloris sp. GSB1	2	species	confiable	281093
231	Terrabacteria group	409253	clade	neutral	1783272
232	Bacillota	397385	phylum	neutral	1239
233	Clostridia	317184	class	neutral	186801
234	Eubacteriales	317184	order	neutral	186802
235	Lachnospiraceae	254691	family	neutral	186803
236	Blautia	73708	genus	neutral	572511
237	Blautia wexlerae	32002	species	neutral	418240
238	Blautia wexlerae DSM 19850	32002	strain	confiable	1121115
239	unclassified Blautia	3695	no rank	neutral	2648079
240	Blautia sp. SC05B48	2665	species	confiable	2479767
241	Blautia sp. NBRC 113351	944	species	confiable	2877527
242	Blautia obeum	9821	species	neutral	40520
243	Blautia obeum ATCC 29174	9821	strain	confiable	411459
244	Blautia argi	338	species	confiable	1912897
245	Blautia producta	225	species	confiable	33035
246	Blautia pseudococcoides	46	species	confiable	1796616
247	Blautia hansenii	64	species	confiable	1322
248	Blautia hansenii DSM 20583	64	strain	confiable	537007
249	Blautia liquoris	49	species	confiable	2779518
250	Blautia massiliensis (ex Durand et al. 2017)	8	species	confiable	1737424
251	Dorea	52245	genus	neutral	189330
252	Dorea longicatena	43008	species	confiable	88431
253	Dorea formicigenerans	8912	species	confiable	39486
254	Mediterraneibacter	46803	genus	neutral	2316020
255	[Ruminococcus] gnavus	46488	species	confiable	33038
256	[Ruminococcus] lactaris	309	species	neutral	46228
257	[Ruminococcus] lactaris ATCC 29176	309	strain	confiable	471875
258	Anaerostipes	29541	genus	neutral	207244
259	Anaerostipes hadrus	29526	species	confiable	649756
260	Anaerostipes hadrus ATCC 29173 = JCM 17467	4959	strain	confiable	649757
261	Anaerostipes caccae	11	species	confiable	105841
262	Anaerostipes caccae L1-92	2	strain	confiable	411490
263	Anaerostipes rhamnosivorans	4	species	confiable	1229621
264	Lachnospira	11523	genus	neutral	28050
265	Lachnospira eligens	11523	species	confiable	39485
266	[Eubacterium] eligens ATCC 27750	2	strain	confiable	515620
267	Roseburia	5241	genus	neutral	841
268	Roseburia hominis	2755	species	confiable	301301
269	Roseburia intestinalis	1445	species	confiable	166486
270	Roseburia intestinalis L1-82	1	strain	confiable	536231
271	Roseburia rectibacter	293	species	confiable	2763062
272	Anaerobutyricum	3142	genus	neutral	2569097
273	Anaerobutyricum hallii	3142	species	confiable	39488
274	Coprococcus	6488	genus	neutral	33042
275	Coprococcus comes	6444	species	confiable	410072
276	Coprococcus eutactus	59	species	confiable	33043
277	Enterocloster	6203	genus	neutral	2719313



**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
278	Enterocloster bolteae	5769	species	confiable	208479
279	Enterocloster asparagiformis	393	species	confiable	333367
280	[Clostridium] asparagiforme DSM 15981	393	strain	confiable	518636
281	Lachnoclostridium	1724	genus	neutral	1506553
282	[Clostridium] scindens	1578	species	confiable	29347
283	[Clostridium] hylemonae	123	species	confiable	89153
284	Lachnoclostridium phocaeense	20	species	confiable	1871021
285	Lachnoclostridium phytofermentans	6	species	confiable	66219
286	Lachnoclostridium phytofermentans ISDg	6	strain	confiable	357809
287	Simiaoa	622	genus	neutral	2944193
288	Simiaoa sunii	622	species	confiable	2763672
289	Butyrivibrio	354	genus	neutral	830
290	Butyrivibrio crossotus	335	species	confiable	45851
291	Butyrivibrio proteoclasticus	5	species	confiable	43305
292	Butyrivibrio proteoclasticus B316	5	strain	confiable	515622
293	Butyrivibrio fibrisolvens	8	species	confiable	831
294	Butyrivibrio hungatei	4	species	confiable	185008
295	Wujia	371	genus	neutral	2944152
296	Wujia chipingensis	371	species	confiable	2763670
297	Wansuia	243	genus	neutral	2944198
298	Wansuia hejianensis	243	species	confiable	2763667
299	Sellimonas	84	genus	neutral	1769710
300	Sellimonas intestinalis	84	species	confiable	1653434
301	Lacrimispora	37	genus	neutral	2719231
302	Lacrimispora saccharolytica	28	species	confiable	84030
303	[Clostridium] saccharolyticum WM1	28	strain	confiable	610130
304	Lacrimispora xylanolytica	10	species	confiable	29375
305	Marvinbryantia	41	genus	neutral	248744
306	Marvinbryantia formatexigens	41	species	confiable	168384
307	Marvinbryantia formatexigens DSM 14469	41	strain	confiable	478749
308	Lachnoanaerobaculum	53	genus	neutral	1164882
309	Lachnoanaerobaculum gingivalis	34	species	confiable	2490855
310	Lachnoanaerobaculum umeaense	6	species	confiable	617123
311	Novisyntrophococcus	27	genus	neutral	2888809
312	Novisyntrophococcus fermenticellae	27	species	confiable	2068655
313	Pseudobutyrvibrio	24	genus	neutral	46205
314	Pseudobutyrvibrio xylanivorans	24	species	confiable	185007
315	Anaerotignum	16	genus	neutral	2039240
316	Anaerotignum propionicum	16	species	confiable	28446
317	Anaerotignum propionicum DSM 1682	16	strain	confiable	991789
318	Anaerocolumna	17	genus	neutral	1843210
319	Anaerocolumna sedimenticola	6	species	confiable	2696063
320	unclassified Anaerocolumna	6	no rank	neutral	2642604
321	Anaerocolumna sp. AGMB13025	6	species	confiable	3039116
322	Qiania	10	genus	neutral	2944195
323	Qiania dongpingensis	10	species	confiable	2763669
324	Anaeromicropila	8	genus	neutral	3024823
325	Anaeromicropila herbilytica	8	species	confiable	2785025
326	Chordicoccus	4	genus	neutral	3031933
327	Chordicoccus furentiruminis	4	species	confiable	2709410
328	Anaeropeptidivorans	1	genus	neutral	2997360
329	Anaeropeptidivorans aminofermentans	1	species	confiable	2934315
330	Oscillospiraceae	34108	family	neutral	216572
331	Faecalibacterium	20787	genus	neutral	216851
332	Faecalibacterium prausnitzii	3948	species	confiable	853
333	unclassified Faecalibacterium	2585	no rank	neutral	2646395

**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
334	Faecalibacterium sp. I2-3-92	382	species	confiable	2929490
335	Faecalibacterium sp. IP-3-29	469	species	confiable	2929489
336	Faecalibacterium sp. I4-1-79	89	species	confiable	2929494
337	Faecalibacterium sp. I4-3-84	187	species	confiable	2929495
338	Faecalibacterium sp. IP-1-18	116	species	confiable	2929488
339	Faecalibacterium sp. I3-3-89	333	species	confiable	2929493
340	Faecalibacterium sp. I3-3-33	112	species	confiable	2929492
341	Faecalibacterium sp. HTF-F	83	species	confiable	2929491
342	Flavonifractor	2939	genus	neutral	946234
343	Flavonifractor plautii	2939	species	confiable	292800
344	Lawsonibacter	1980	genus	neutral	2172004
345	Lawsonibacter asaccharolyticus	1980	species	confiable	2108523
346	Ruthenibacterium	4034	genus	neutral	1905344
347	Ruthenibacterium lactatiformans	4034	species	confiable	1550024
348	Anaerotruncus	661	genus	neutral	244127
349	Anaerotruncus colihominis	661	species	confiable	169435
350	Pusillibacter	1038	genus	neutral	2892397
351	Pusillibacter faecalis	1038	species	confiable	2714358
352	Ruminococcus	145	genus	neutral	1263
353	unclassified Ruminococcus	98	no rank	neutral	2608920
354	Ruminococcus bicirculans (ex Wegman et al. 2014)	30	species	confiable	1160721
355	Ruminococcus albus	6	species	confiable	1264
356	Ruminococcus albus 7 = DSM 20455	6	strain	confiable	697329
357	Ruminococcus gauvreauii	10	species	confiable	438033
358	Ruminococcus bovis	3	species	confiable	2564099
359	Dysosmobacter	1254	genus	neutral	2591381
360	Dysosmobacter welbionis	1254	species	confiable	2093857
361	Vescimonas	136	genus	neutral	2892396
362	Vescimonas coprocola	54	species	confiable	2714355
363	Vescimonas fastidiosa	33	species	confiable	2714353
364	Solibaculum	48	genus	neutral	2842531
365	Solibaculum mannosilyticum	48	species	confiable	2780922
366	Subdoligranulum	41	genus	neutral	292632
367	Subdoligranulum variabile	41	species	confiable	214851
368	Magaeibacillus	5	genus	neutral	1637257
369	Magaeibacillus indolicus	5	species	confiable	884684
370	Magaeibacillus indolicus UPII9-5	5	strain	confiable	699246
371	Caproicibacterium	2	genus	neutral	2834348
372	unclassified Caproicibacterium	1	no rank	neutral	2834349
373	Caproicibacterium sp. BJN0003	1	species	confiable	2994078
374	Pseudoclostridium	1	genus	neutral	2304693
375	Pseudoclostridium thermosuccinogenes	1	species	posible	84032
376	Clostridiaceae	2457	family	neutral	31979
377	Hungatella	1538	genus	neutral	1649459
378	Hungatella hathewayi	1532	species	confiable	154046
379	Hungatella hathewayi WAL-18680	23	strain	confiable	742737
380	Hungatella xylanolytica	8	species	confiable	384636
381	Clostridium	872	genus	neutral	1485
382	Clostridium perfringens	31	species	confiable	1502
383	unclassified Clostridium	785	no rank	neutral	2614128
384	Clostridium sp. SY8519	494	species	confiable	1042156
385	Clostridium sp. C1	286	species	confiable	1155388
386	Clostridium sp. MD294	5	species	confiable	97138
387	Clostridium sp. AWRP	2	species	confiable	2212991
388	Clostridium sp. BNL1100	1	species	confiable	755731
389	Clostridium botulinum	3	species	confiable	1491

## TAXONOMÍA BACTERIA:

		Lecturas	Rango	Inferencia	Taxid
390	<i>Clostridium estertheticum</i>	3	species	confiable	238834
391	<i>Clostridium estertheticum</i> subsp. <i>estertheticum</i>	1	subspecies	confiable	1552
392	<i>Clostridium baratii</i>	2	species	confiable	1561
393	<i>Clostridium saccharobutylicum</i>	2	species	confiable	169679
394	<i>Clostridium argentinense</i>	1	species	confiable	29341
395	<i>Clostridium formicaceticum</i>	1	species	posible	1497
396	<i>Clostridium cadaveris</i>	7	species	confiable	1529
397	<i>Clostridium saccharoperbutylacetonicum</i>	5	species	confiable	36745
398	<i>Clostridium gasigenes</i>	3	species	confiable	94869
399	<i>Clostridium beijerinckii</i>	2	species	confiable	1520
400	<i>Clostridium bornimense</i>	1	species	confiable	1216932
401	<i>Clostridium butyricum</i>	1	species	posible	1492
402	<i>Paraclostridium</i>	23	genus	neutral	1849822
403	<i>Paraclostridium bifermentans</i>	23	species	confiable	1490
404	<i>Proteiniclasticum</i>	3	genus	neutral	1155385
405	unclassified <i>Proteiniclasticum</i>	3	no rank	neutral	2630696
406	<i>Proteiniclasticum</i> sp. QWL-01	3	species	confiable	3036945
407	<i>Alkaliphilus</i>	2	genus	neutral	114627
408	unclassified <i>Alkaliphilus</i>	1	no rank	neutral	2646756
409	<i>Alkaliphilus</i> sp. B6464	1	species	confiable	2731219
410	<i>Caloramator</i>	2	genus	neutral	44258
411	unclassified <i>Caloramator</i>	2	no rank	neutral	2629145
412	<i>Caloramator</i> sp. Dgby_cultured_2	1	species	confiable	3029174
413	Eubacteriaceae	7407	family	neutral	186806
414	Eubacterium	7407	genus	neutral	1730
415	<i>Eubacterium ventriosum</i>	7254	species	confiable	39496
416	unclassified Eubacterium (in: firmicutes)	66	no rank	neutral	2624479
417	Eubacterium sp. c-25	32	species	confiable	2841037
418	Eubacterium sp. MSJ-33	34	species	confiable	2841528
419	<i>Eubacterium hominis</i>	34	species	confiable	2764325
420	<i>Eubacterium callanderi</i>	24	species	confiable	53442
421	<i>Eubacterium limosum</i>	5	species	confiable	1736
422	<i>Alkalibacter</i>	2	genus	neutral	274470
423	<i>Alkalibacter rhizosphaerae</i>	2	species	confiable	2815577
424	<i>Acetobacterium</i>	1	genus	neutral	33951
425	<i>Acetobacterium wieringae</i>	1	species	confiable	52694
426	Peptostreptococcaceae	613	family	neutral	186804
427	Clostridioides	483	genus	neutral	1870884
428	<i>Clostridioides difficile</i>	470	species	confiable	1496
429	unclassified Clostridioides	4	no rank	neutral	2635829
430	Clostridioides sp. ES-S-0054-01	2	species	confiable	2770780
431	<i>Romboutsia</i>	62	genus	neutral	1501226
432	unclassified <i>Romboutsia</i>	62	no rank	neutral	2626894
433	<i>Romboutsia</i> sp. CE17	62	species	confiable	2724150
434	<i>Paeniclostridium</i>	26	genus	neutral	1849828
435	<i>Paeniclostridium sordellii</i>	26	species	confiable	1505
436	<i>Terrisporobacter</i>	10	genus	neutral	1505652
437	<i>Terrisporobacter hibernicus</i>	10	species	confiable	2813371
438	<i>Peptacetobacter</i>	10	genus	neutral	2743582
439	<i>Peptacetobacter hiranonis</i>	10	species	confiable	89152
440	<i>Peptoclostridium</i>	3	genus	neutral	1481960
441	<i>Peptoclostridium acidaminophilum</i>	3	species	neutral	1731
442	<i>Peptoclostridium acidaminophilum</i> DSM 3953	3	strain	confiable	1286171
443	Eubacteriales incertae sedis	612	no rank	neutral	538999
444	<i>Flintibacter</i>	109	genus	neutral	1918454
445	unclassified <i>Flintibacter</i>	109	no rank	neutral	2610894

## TAXONOMÍA BACTERIA:

		Lecturas	Rango	Inferencia	Taxid
446	Flintibacter sp. KGMB00164	109	species	confiable	2610895
447	Massilistercora	67	genus	neutral	2717089
448	Massilistercora timonensis	67	species	confiable	2086584
449	Eubacteriales Family XIII. Incertae Sedis	16	family	neutral	543314
450	Aminipila	3	genus	neutral	2060094
451	Aminipila terrae	1	species	confiable	2697030
452	Aminipila luticellarii	1	species	confiable	2507160
453	Emergencia	6	genus	neutral	1926556
454	Emergencia timonensis	6	species	confiable	1776384
455	Mogibacterium	8	genus	neutral	86331
456	Mogibacterium diversum	8	species	confiable	114527
457	Intestinimonas	416	genus	neutral	1392389
458	Intestinimonas butyriciproducens	416	species	confiable	1297617
459	Fenollaria	2	genus	neutral	1686313
460	Fenollaria massiliensis	2	species	confiable	938288
461	Christensenellaceae	77	family	neutral	990719
462	Christensenella	77	genus	neutral	990721
463	Christensenella minuta	77	species	confiable	626937
464	Cellulosilyticaceae	7	family	neutral	3018741
465	Cellulosilyticum	7	genus	neutral	698776
466	Cellulosilyticum lentocellum	2	species	neutral	29360
467	Cellulosilyticum lentocellum DSM 5427	2	strain	confiable	642492
468	unclassified Cellulosilyticum	3	no rank	neutral	2643091
469	Cellulosilyticum sp. WCF-2	3	species	confiable	2497860
470	Desulfotobacteriaceae	4	family	neutral	2937909
471	Syntrophobotulus	1	genus	neutral	51196
472	Syntrophobotulus glycolicus	1	species	neutral	51197
473	Syntrophobotulus glycolicus DSM 8271	1	strain	confiable	645991
474	Dehalobacter	1	genus	neutral	56112
475	Maliibacteriaceae	3	family	neutral	3047432
476	Maliibacterium	3	genus	neutral	3047433
477	Maliibacterium massiliense	3	species	confiable	2086585
478	Desulfallaceae	1	family	neutral	2867375
479	Desulfoscipio	1	genus	neutral	2867376
480	Desulfoscipio gibsoniae	1	species	neutral	102134
481	Desulfoscipio gibsoniae DSM 7213	1	strain	confiable	767817
482	Thermoanaerobacterales	3	order	neutral	68295
483	Thermoanaerobacteraceae	2	family	neutral	186814
484	Thermoanaerobacter	1	genus	neutral	1754
485	Thermoanaerobacterales Family III. Incertae Sedis	2	family	neutral	543371
486	Caldicellulosiruptor	2	genus	neutral	44000
487	Caldicellulosiruptor diazotrophicus	1	species	posible	2806205
488	Halanaerobiales	1	order	neutral	53433
489	Halanaerobiaceae	1	family	neutral	972
490	Halanaerobium	1	genus	neutral	2330
491	Halanaerobium praevalens	1	species	neutral	2331
492	Halanaerobium praevalens DSM 2228	1	strain	confiable	572479
493	Moorellales	1	order	neutral	3039167
494	Zhaonellaceae	1	family	neutral	2748673
495	Zhaonella	1	genus	neutral	2748674
496	Zhaonella formicivorans	1	species	confiable	2528593
497	Negativicutes	36477	class	neutral	909932
498	Acidaminococcales	34636	order	neutral	1843488
499	Acidaminococcaceae	34636	family	neutral	909930
500	Phascolarctobacterium	25108	genus	neutral	33024
501	Phascolarctobacterium faecium	25108	species	confiable	33025

**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
502	Acidaminococcus	9720	genus	neutral	904
503	Acidaminococcus intestini	9575	species	confiable	187327
504	Acidaminococcus intestini RyC-MR95	85	strain	confiable	568816
505	Acidaminococcus fermentans	87	species	confiable	905
506	Acidaminococcus fermentans DSM 20731	87	strain	confiable	591001
507	Veillonellales	1992	order	neutral	1843489
508	Veillonellaceae	1992	family	neutral	31977
509	Megasphaera	1902	genus	neutral	906
510	Megasphaera massiliensis	1815	species	confiable	1232428
511	Megasphaera hexanoica	2	species	confiable	1675036
512	Megasphaera elsdenii	27	species	confiable	907
513	Megasphaera stantonii	2	species	confiable	2144175
514	Dialister	45	genus	neutral	39948
515	Dialister succinatiphilus	12	species	confiable	487173
516	Dialister pneumosintes	3	species	confiable	39950
517	Dialister hominis	1	species	confiable	2582419
518	Veillonella	46	genus	neutral	29465
519	Veillonella dispar	17	species	confiable	39778
520	Selenomonadales	50	order	neutral	909929
521	Selenomonadaceae	49	family	neutral	1843491
522	Selenomonas	47	genus	neutral	970
523	Selenomonas sputigena	14	species	confiable	69823
524	Selenomonas sputigena ATCC 35185	3	strain	confiable	546271
525	Selenomonas ruminantium	17	species	confiable	971
526	Selenomonas ruminantium subsp. lactilytica	17	subspecies	confiable	114197
527	Selenomonas ruminantium subsp. lactilytica TAM6421	17	strain	confiable	927704
528	unclassified Selenomonas	10	no rank	neutral	2637378
529	Selenomonas sp. oral taxon 920	7	species	confiable	1884263
530	Selenomonas sp. oral taxon 136	2	species	confiable	713030
531	Sporomusaceae	2	family	neutral	1843490
532	Sporomusa	1	genus	neutral	2375
533	Sporomusa termitida	1	species	confiable	2377
534	Pelosinus	1	genus	neutral	365348
535	Pelosinus fermentans	1	species	neutral	365349
536	Pelosinus fermentans JBW45	1	strain	confiable	1192197
537	Erysipelotrichia	27308	class	neutral	526524
538	Erysipelotrichales	27308	order	neutral	526525
539	Coprobacillaceae	27018	family	neutral	2810280
540	Thomasclavelia	26925	genus	neutral	3025755
541	Thomasclavelia ramosa	22224	species	confiable	1547
542	[Clostridium] innocuum	2817	species	confiable	1522
543	Thomasclavelia spiroformis	2097	species	confiable	29348
544	Thomasclavelia spiroformis DSM 1552	2097	strain	confiable	428126
545	Catenibacterium	69	genus	neutral	135858
546	unclassified Catenibacterium	36	no rank	neutral	2643636
547	Catenibacterium sp. co_0103	36	species	confiable	2478954
548	Catenibacterium mitsuokai	14	species	confiable	100886
549	Erysipelotrichaceae	388	family	neutral	128827
550	Faecalibacillus	261	genus	neutral	2678885
551	Faecalibacillus intestinalis	261	species	confiable	1982626
552	Amedibacterium	57	genus	neutral	2749267
553	Amedibacterium intestinale	57	species	confiable	2583452
554	Intestinibaculum	9	genus	neutral	2679910
555	Intestinibaculum porci	9	species	confiable	2487118
556	Bacilli	4985	class	neutral	91061
557	Lactobacillales	4833	order	neutral	186826

## TAXONOMÍA BACTERIA:

		Lecturas	Rango	Inferencia	Taxid
558	Enterococcaceae	1700	family	neutral	81852
559	Enterococcus	1694	genus	neutral	1350
560	Enterococcus faecalis	45	species	confiable	1351
561	Enterococcus faecium	90	species	confiable	1352
562	Enterococcus casseliflavus	32	species	confiable	37734
563	unclassified Enterococcus	22	no rank	neutral	2608891
564	Enterococcus sp. FDAARGOS_375	21	species	confiable	2060307
565	Enterococcus sp. DA9	2	species	confiable	2603296
566	Enterococcus innesii	29	species	confiable	2839759
567	Enterococcus saigonensis	49	species	confiable	1805431
568	Enterococcus mundtii	1	species	confiable	53346
569	Enterococcus raffinosus	1	species	posible	71452
570	Streptococcaceae	2859	family	neutral	1300
571	Streptococcus	2850	genus	neutral	1301
572	Streptococcus pasteurianus	1631	species	confiable	197614
573	Streptococcus pasteurianus ATCC 43144	12	strain	confiable	981540
574	unclassified Streptococcus	86	no rank	neutral	2608887
575	Streptococcus sp. LPB0220	55	species	confiable	2610896
576	Streptococcus sp. oral taxon 061	18	species	confiable	712623
577	Streptococcus sp. FDAARGOS_192	7	species	confiable	1839799
578	Streptococcus salivarius	28	species	confiable	1304
579	Streptococcus salivarius CCHSS3	3	strain	confiable	1048332
580	Streptococcus parasanguinis	25	species	confiable	1318
581	Streptococcus parasanguinis FW213	9	strain	confiable	1114965
582	Streptococcus parasanguinis ATCC 15912	12	strain	confiable	760570
583	Streptococcus anginosus group	68	species group	neutral	671232
584	Streptococcus anginosus	46	species	confiable	1328
585	Streptococcus suis	7	species	confiable	1307
586	Streptococcus mitis	33	species	confiable	28037
587	Streptococcus mitis B6	8	strain	confiable	365659
588	Streptococcus cristatus	13	species	confiable	45634
589	Streptococcus cristatus ATCC 51100	7	strain	confiable	889201
590	Streptococcus australis	7	species	confiable	113107
591	Streptococcus lactarius	4	species	confiable	684066
592	Streptococcus thermophilus	2	species	confiable	1308
593	Streptococcus milleri	1	species	posible	33040
594	Streptococcus toyakuensis	6	species	confiable	2819619
595	Streptococcus agalactiae	5	species	confiable	1311
596	Streptococcus agalactiae GD201008-001	1	strain	posible	1203670
597	Streptococcus dysgalactiae group	3	species group	neutral	119603
598	Streptococcus equi	3	species	neutral	1336
599	Streptococcus equi subsp. zooepidemicus	3	subspecies	confiable	40041
600	Streptococcus acidominimus	3	species	confiable	1326
601	Streptococcus mutans	1	species	confiable	1309
602	Streptococcus ferus	1	species	confiable	1345
603	Lactococcus	2	genus	neutral	1357
604	Lactococcus cremoris	1	species	neutral	1359
605	Lactococcus cremoris subsp. cremoris	1	subspecies	neutral	2816960
606	Lactococcus cremoris subsp. cremoris A76	1	strain	confiable	1104322
607	Lactobacillaceae	229	family	neutral	33958
608	Ligilactobacillus	85	genus	neutral	2767887
609	Ligilactobacillus ruminis	40	species	confiable	1623
610	Ligilactobacillus ruminis ATCC 27782	7	strain	confiable	1069534
611	Ligilactobacillus salivarius	41	species	confiable	1624
612	Lactobacillus	4	genus	neutral	1578
613	unclassified Lactobacillus	2	no rank	neutral	2620435

## TAXONOMÍA BACTERIA:

		Lecturas	Rango	Inferencia	Taxid
614	Lactobacillus sp. wkB8	1	species	confiable	1545702
615	Lactobacillus sp. CBA3606	1	species	posible	2099789
616	Leuconostoc	36	genus	neutral	1243
617	Leuconostoc mesenteroides	21	species	confiable	1245
618	Latilactobacillus	16	genus	neutral	2767885
619	Paucilactobacillus	1	genus	neutral	2767890
620	Paucilactobacillus nenjiangensis	1	species	confiable	1296540
621	Loigolactobacillus	1	genus	neutral	2767889
622	Loigolactobacillus backii	1	species	confiable	375175
623	Lactiplantibacillus	1	genus	neutral	2767842
624	Lactiplantibacillus plantarum	1	species	confiable	1590
625	Carnobacteriaceae	77	family	neutral	186828
626	Granulicatella	76	genus	neutral	117563
627	Granulicatella adiacens	74	species	confiable	46124
628	Bacillales	120	order	neutral	1385
629	Paenibacillaceae	22	family	neutral	186822
630	Paenibacillus	18	genus	neutral	44249
631	unclassified Paenibacillus	7	no rank	neutral	185978
632	Paenibacillus sp. N3/727	1	species	confiable	2925845
633	Paenibacillus sp. FSL H7-0357	1	species	confiable	1536774
634	Paenibacillus algicola	1	species	confiable	2565926
635	Paenibacillus barcinonensis	1	species	confiable	198119
636	Paenibacillus mucilaginosus	1	species	confiable	61624
637	Paenibacillus larvae	1	species	confiable	1464
638	Paenibacillus agaridevorans	1	species	confiable	171404
639	Paenibacillus donghaensis	1	species	confiable	414771
640	Paenibacillus cellulosityticus	1	species	posible	375489
641	Paenibacillus albus	1	species	posible	2495582
642	Brevibacillus	2	genus	neutral	55080
643	Cohnella	1	genus	neutral	329857
644	Cohnella candidum	1	species	confiable	2674991
645	Saccharibacillus	1	genus	neutral	456492
646	Saccharibacillus brassicae	1	species	confiable	2583377
647	Bacillaceae	31	family	neutral	186817
648	Bacillus	11	genus	neutral	1386
649	Bacillus subtilis group	6	species group	neutral	653685
650	Bacillus amyloliquefaciens group	2	species subgrou	neutral	1938374
651	Bacillus siamensis	1	species	posible	659243
652	Bacillus paralicheniformis	2	species	confiable	1648923
653	Bacillus cereus group	2	species group	neutral	86661
654	Bacillus pseudomycooides	1	species	confiable	64104
655	Bacillus mycooides	1	species	posible	1405
656	Virgibacillus	2	genus	neutral	84406
657	Virgibacillus natechei	1	species	confiable	1216297
658	unclassified Virgibacillus	1	no rank	neutral	2620237
659	Virgibacillus sp. SK37	1	species	posible	403957
660	Metabacillus	2	genus	neutral	2675233
661	Metabacillus sediminilitoris	1	species	posible	2567941
662	Heyndrickxia	2	genus	neutral	2837504
663	Heyndrickxia oleronia	2	species	confiable	38875
664	Lysinibacillus	2	genus	neutral	400634
665	Lysinibacillus pakistanensis	1	species	posible	759811
666	Halalkalibacter	1	genus	neutral	2893056
667	Halalkalibacter krulwichiae	1	species	confiable	199441
668	Peribacillus	1	genus	neutral	2675229
669	Peribacillus simplex	1	species	posible	1478

**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
670	Peribacillus simplex NBRC 15720 = DSM 1321	1	strain	posible	1349754
671	Neobacillus	1	genus	neutral	2675232
672	Neobacillus drementensis	1	species	posible	220684
673	Gracilibacillus	1	genus	neutral	74385
674	unclassified Gracilibacillus	1	no rank	neutral	2625209
675	Gracilibacillus sp. SSWR10-1	1	species	confiable	2932256
676	Ectobacillus	1	genus	neutral	2837502
677	unclassified Ectobacillus	1	no rank	neutral	2837512
678	Ectobacillus sp. JY-23	1	species	confiable	2933872
679	Evansella	1	genus	neutral	2837485
680	unclassified Evansella	1	no rank	neutral	2837486
681	Evansella sp. LMS18	1	species	confiable	2924033
682	Oceanobacillus	1	genus	neutral	182709
683	Oceanobacillus iheyensis	1	species	posible	182710
684	Oceanobacillus iheyensis HTE831	1	strain	posible	221109
685	Planococcaceae	5	family	neutral	186818
686	Planococcus	2	genus	neutral	1372
687	Planococcus glaciei	1	species	posible	459472
688	Planococcus halotolerans	1	species	posible	2233542
689	Jeotgalibacillus	1	genus	neutral	157226
690	Jeotgalibacillus malaysiensis	1	species	posible	1508404
691	Sporosarcina	3	genus	neutral	1569
692	Sporosarcina pasteurii	1	species	confiable	1474
693	Paenisporosarcina	1	genus	neutral	651660
694	Paenisporosarcina cavernae	1	species	confiable	2320858
695	Bacillales incertae sedis	48	no rank	neutral	539002
696	Bacillales Family XI. Incertae Sedis	47	no rank	neutral	539738
697	Gemella	47	genus	neutral	1378
698	Gemella sanguinis	46	species	confiable	84135
699	Gemella morbillorum	1	species	posible	29391
700	Staphylococcaceae	7	family	neutral	90964
701	Staphylococcus	5	genus	neutral	1279
702	Macrococcus	1	genus	neutral	69965
703	Macrococcus brunensis	1	species	posible	198483
704	Alicyclobacillaceae	2	family	neutral	186823
705	Alicyclobacillus	2	genus	neutral	29330
706	Alicyclobacillus dauci	1	species	confiable	1475485
707	Tissierella	39	class	neutral	1737404
708	Tissierellales	39	order	neutral	1737405
709	Peptoniphilaceae	35	family	neutral	1570339
710	Anaerococcus	5	genus	neutral	165779
711	Anaerococcus vaginalis	1	species	confiable	33037
712	Murdochiella	3	genus	neutral	1161127
713	Murdochiella vaginalis	3	species	confiable	1852373
714	Parvimonas	23	genus	neutral	543311
715	Parvimonas micra	23	species	confiable	33033
716	Peptoniphilus	6	genus	neutral	162289
717	Peptoniphilus harei	3	species	confiable	54005
718	Thermohalobacteraceae	3	family	neutral	2848916
719	Caloranaerobacter	3	genus	neutral	171003
720	Caloranaerobacter azorensis	3	species	confiable	116090
721	Tissierella incertae sedis	1	no rank	neutral	1737407
722	Sedimentibacter	1	genus	neutral	190972
723	unclassified Sedimentibacter	1	no rank	neutral	2649220
724	Sedimentibacter sp. zth1	1	species	confiable	2816908
725	Actinomycetota	8712	phylum	neutral	201174



**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
726	Coriobacteriia	8329	class	neutral	84998
727	Coriobacteriales	6654	order	neutral	84999
728	Coriobacteriaceae	6543	family	neutral	84107
729	Collinsella	6543	genus	neutral	102106
730	Collinsella aerofaciens	6463	species	confiable	74426
731	Collinsella aerofaciens ATCC 25986	715	strain	confiable	411903
732	Collinsella stercoris	5	species	confiable	147206
733	Atopobiaceae	7	family	neutral	1643824
734	Lancefieldella	4	genus	neutral	2767353
735	Lancefieldella parvula	3	species	neutral	1382
736	Lancefieldella parvula DSM 20469	3	strain	confiable	521095
737	Thermophilibacter	1	genus	neutral	2847307
738	Thermophilibacter immobilis	1	species	confiable	2779519
739	Eggerthellales	1602	order	neutral	1643822
740	Eggerthellaceae	1602	family	neutral	1643826
741	Eggerthella	999	genus	neutral	84111
742	Eggerthella lenta	947	species	confiable	84112
743	Eggerthella lenta DSM 2243	2	strain	confiable	479437
744	Eggerthella guodeyinii	2	species	confiable	2690837
745	Adlercreutzia	337	genus	neutral	447020
746	Adlercreutzia hattorii	130	species	confiable	2707299
747	Adlercreutzia equolifaciens	121	species	confiable	446660
748	Adlercreutzia equolifaciens subsp. equolifaciens	29	subspecies	confiable	2864143
749	Adlercreutzia equolifaciens DSM 19450	29	strain	confiable	1384484
750	Gordonibacter	206	genus	neutral	644652
751	Gordonibacter urolithinfaciens	206	species	confiable	1335613
752	Raoultibacter	20	genus	neutral	1926677
753	Raoultibacter timonensis	20	species	confiable	1907662
754	Actinomycetes	244	class	neutral	1760
755	Micrococcales	15	order	neutral	85006
756	Micrococcaceae	5	family	neutral	1268
757	Rothia	1	genus	neutral	32207
758	Rothia terrae	1	species	posible	396015
759	Arthrobacter	4	genus	neutral	1663
760	Arthrobacter crystallopoietes	1	species	confiable	37928
761	Arthrobacter dokdonellae	1	species	confiable	2211210
762	Microbacteriaceae	4	family	neutral	85023
763	Microbacterium	1	genus	neutral	33882
764	unclassified Microbacterium	1	no rank	neutral	2609290
765	Microbacterium sp. CGR1	1	species	posible	1696072
766	Curtobacterium	1	genus	neutral	2034
767	unclassified Curtobacterium	1	no rank	neutral	257496
768	Curtobacterium sp. MCSS17_015	1	species	confiable	2175666
769	Ruaniaceae	1	family	neutral	1331736
770	Ruania	1	genus	neutral	626119
771	Ruania zhangjianzhongii	1	species	confiable	2603206
772	Brevibacteriaceae	1	family	neutral	85019
773	Brevibacterium	1	genus	neutral	1696
774	Brevibacterium aurantiacum	1	species	confiable	273384
775	Dermabacteraceae	1	family	neutral	85020
776	Devriesea	1	genus	neutral	472568
777	Devriesea agamarum	1	species	confiable	472569
778	Actinomycetales	134	order	neutral	2037
779	Actinomycetaceae	134	family	neutral	2049
780	Schaalia	88	genus	neutral	2529408
781	Schaalia odontolytica	81	species	confiable	1660

**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
782	Actinomyces	44	genus	neutral	1654
783	Actinomyces oris	11	species	confiable	544580
784	Actinomyces oris K20	4	strain	confiable	871541
785	Actinomyces trachealis	2	species	confiable	2763540
786	Actinomyces pacaensis	2	species	confiable	1852377
787	Bifidobacteriales	53	order	neutral	85004
788	Bifidobacteriaceae	53	family	neutral	31953
789	Bifidobacterium	53	genus	neutral	1678
790	Bifidobacterium longum	10	species	confiable	216816
791	Bifidobacterium longum subsp. infantis	8	subspecies	confiable	1682
792	Bifidobacterium breve	16	species	confiable	1685
793	Bifidobacterium pseudocatenulatum	6	species	confiable	28026
794	Bifidobacterium adolescentis	5	species	confiable	1680
795	unclassified Bifidobacterium	1	no rank	neutral	2608897
796	Bifidobacterium sp. ESL0800	1	species	posible	2983236
797	Bifidobacterium choerinum	1	species	confiable	35760
798	Bifidobacterium pullorum	1	species	neutral	78448
799	Bifidobacterium pullorum subsp. gallinarum	1	subspecies	confiable	78344
800	Mycobacteriales	11	order	neutral	85007
801	Corynebacteriaceae	6	family	neutral	1653
802	Corynebacterium	6	genus	neutral	1716
803	Corynebacterium propinquum	1	species	confiable	43769
804	Corynebacterium coyleae	1	species	confiable	53374
805	Nocardiaceae	3	family	neutral	85025
806	Rhodococcus	2	genus	neutral	1827
807	unclassified Rhodococcus (in: high G+C Gram-positive bacteria)	2	no rank	neutral	192944
808	Rhodococcus sp. X156	1	species	confiable	2499145
809	Mycobacteriaceae	2	family	neutral	1762
810	Mycolicibacterium	1	genus	neutral	1866885
811	Mycolicibacterium aubagnense	1	species	confiable	319707
812	Propionibacteriales	4	order	neutral	85009
813	Propionibacteriaceae	3	family	neutral	31957
814	Tessaracoccus	1	genus	neutral	72763
815	Tessaracoccus aquimaris	1	species	confiable	1332264
816	Propioniciclava	1	genus	neutral	1085622
817	Propioniciclava coleopterorum	1	species	posible	2714937
818	Glycomycetales	1	order	neutral	85014
819	Glycomycetaceae	1	family	neutral	85034
820	Stackebrandtia	1	genus	neutral	283810
821	Stackebrandtia nassauensis	1	species	posible	283811
822	Stackebrandtia nassauensis DSM 44728	1	strain	posible	446470
823	Kitasatosporales	4	order	neutral	85011
824	Streptomycetaceae	4	family	neutral	2062
825	Streptomyces	4	genus	neutral	1883
826	Streptomyces buecheriae	1	species	posible	2763006
827	Pseudonocardiales	2	order	neutral	85010
828	Pseudonocardiaceae	2	family	neutral	2070
829	Pseudonocardia	1	genus	neutral	1847
830	Pseudonocardia broussonetiae	1	species	confiable	2736640
831	Streptosporangiales	1	order	neutral	85012
832	Thermomonosporaceae	1	family	neutral	2012
833	Thermomonospora	1	genus	neutral	2019
834	Thermomonospora curvata	1	species	neutral	2020
835	Thermomonospora curvata DSM 43183	1	strain	confiable	471852
836	Micromonosporales	1	order	neutral	85008
837	Micromonosporaceae	1	family	neutral	28056

## TAXONOMÍA BACTERIA:

		Lecturas	Rango	Inferencia	Taxid
838	Actinoplanes	1	genus	neutral	1865
839	Actinoplanes teichomyceticus	1	species	posible	1867
840	Actinoplanes teichomyceticus ATCC 31121	1	strain	posible	457423
841	Mycoplasmata	8	phylum	neutral	544448
842	Mollicutes	7	class	neutral	31969
843	Entomoplasmatales	4	order	neutral	186328
844	Spiroplasmataceae	4	family	neutral	2131
845	Spiroplasma	4	genus	neutral	2132
846	Spiroplasma sabaudiense	1	species	neutral	216944
847	Spiroplasma sabaudiense Ar-1343	1	strain	confiable	1276257
848	Cyanobacteriota/Melainabacteria group	6	clade	neutral	1798711
849	Cyanobacteriota	6	phylum	neutral	1117
850	Cyanophyceae	6	class	neutral	3028117
851	Oscillatoriophyceae	1	subclass	neutral	1301283
852	Oscillatoriales	1	order	neutral	1150
853	Oscillatoriaceae	1	family	neutral	1892254
854	Moorena	1	genus	neutral	1155738
855	Moorena producens	1	species	posible	1155739
856	Pseudomonadota	130873	phylum	neutral	1224
857	Gammaproteobacteria	130208	class	neutral	1236
858	Enterobacterales	128965	order	neutral	91347
859	Enterobacteriaceae	121949	family	neutral	543
860	Escherichia	13050	genus	neutral	561
861	Escherichia coli	10330	species	confiable	562
862	Escherichia coli O126:H45	1	serotype	posible	2810407
863	Escherichia coli K-12	1	strain	neutral	83333
864	Escherichia coli BW2952	1	no rank	neutral	595496
865	Escherichia coli O99:H6	3	serotype	confiable	2874051
866	Escherichia coli O157:H7	5	serotype	confiable	83334
867	Escherichia coli O2:K1:H5	15	no rank	neutral	3050627
868	Escherichia coli O157	1	serogroup	posible	1045010
869	Escherichia coli O78:H4	1	serotype	posible	2854732
870	Escherichia coli O170:H18	1	no rank	neutral	2848145
871	Escherichia coli O157:H16	29	strain	confiable	930406
872	Escherichia coli O145	4	serogroup	confiable	1055538
873	Escherichia coli O2:K1:H4	3	no rank	neutral	3050626
874	Escherichia coli O15:H11	3	strain	confiable	2048777
875	Escherichia coli O167:H26	2	serotype	confiable	2778655
876	Escherichia coli Nissle 1917	1	strain	confiable	316435
877	Escherichia coli O1:K1:H7	3	no rank	neutral	3050629
878	Escherichia coli UM146	3	strain	confiable	869729
879	Escherichia coli O6:H16	3	serotype	confiable	1446746
880	Escherichia coli O89m:H10	2	serotype	confiable	2810405
881	Escherichia coli LF82	1	strain	confiable	591946
882	Escherichia coli O15:H18	1	serotype	confiable	1446600
883	Escherichia coli O1:H42	1	serotype	confiable	2592065
884	Escherichia coli PCN033	1	strain	confiable	1001989
885	Escherichia coli APEC O18	1	strain	confiable	1401688
886	Escherichia coli O100:H21	1	serotype	confiable	2778652
887	Escherichia coli O152:H23	1	serotype	posible	2778654
888	Escherichia coli O158:H23	1	no rank	neutral	2848144
889	Escherichia coli O2:H1	1	strain	posible	2079157
890	Escherichia coli O44:H18	1	serotype	posible	861906
891	Escherichia coli 042	1	strain	posible	216592
892	Escherichia coli O10:H32	1	serotype	posible	2603836
893	Escherichia coli O103	1	serogroup	posible	1055536

**TAXONOMÍA BACTERIA:**

		Lecturas	Rango	Inferencia	Taxid
894	<i>Escherichia coli</i> O103 str. RM8385	1	strain	posible	1055540
895	<i>Escherichia coli</i> O20:H12	1	serotype	posible	2778656
896	<i>Escherichia coli</i> O55:H7	1	serotype	posible	244320
897	<i>Escherichia coli</i> O103:H2	1	serotype	posible	376725
898	<i>Escherichia coli</i> O103:H2 str. 12009	1	no rank	neutral	585395
899	<i>Escherichia coli</i> APEC IMT5155	1	strain	posible	1329907
900	<i>Escherichia coli</i> PCN061	1	strain	posible	1358422
901	<i>Escherichia coli</i> VR50	1	strain	posible	941323
902	<i>Escherichia coli</i> O8:H28	1	strain	posible	2027295
903	<i>Escherichia coli</i> O27:H7	1	strain	posible	2048781
904	<i>Escherichia coli</i> O2:K2:H1	1	serotype	posible	2990469
905	<i>Escherichia coli</i> 536	1	strain	posible	362663
906	<i>Escherichia coli</i> SE11	1	strain	posible	409438
907	<i>Escherichia albertii</i>	47	species	confiable	208962
908	unclassified <i>Escherichia</i>	18	no rank	neutral	2608889
909	<i>Escherichia</i> sp. E4742	12	species	confiable	2044467
910	<i>Escherichia</i> sp. KS167_9B	2	species	confiable	2509666
911	<i>Escherichia</i> sp. HH091_1A	3	species	confiable	2509662
912	<i>Escherichia fergusonii</i>	17	species	confiable	564
913	<i>Escherichia marmotae</i>	6	species	confiable	1499973
914	<i>Klebsiella</i> /Raoultella group	36044	no rank	neutral	2890311
915	<i>Klebsiella</i>	35383	genus	neutral	570
916	<i>Klebsiella pneumoniae</i>	2267	species	confiable	573
917	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>	16	subspecies	confiable	72407
918	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> ATCC 43816	1	strain	confiable	1308539
919	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> 1084	5	strain	confiable	1193292
920	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> HS11286	3	strain	confiable	1125630
921	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> Kp13	1	strain	posible	1123862
922	<i>Klebsiella pneumoniae</i> 30660/NJST258_1	1	strain	posible	1420012
923	<i>Klebsiella pneumoniae</i> KP-1	1	strain	posible	1365186
924	<i>Klebsiella quasipneumoniae</i>	486	species	confiable	1463165
925	<i>Klebsiella variicola</i>	25	species	confiable	244366
926	<i>Klebsiella variicola</i> subsp. <i>tropica</i>	5	subspecies	confiable	2489014
927	<i>Klebsiella africana</i>	10	species	confiable	2489010
928	<i>Klebsiella oxytoca</i>	5	species	confiable	571
929	<i>Klebsiella michiganensis</i>	3	species	confiable	1134687
930	<i>Klebsiella quasivariicola</i>	3	species	confiable	2026240
931	unclassified <i>Klebsiella</i>	3	no rank	neutral	2608929
932	<i>Klebsiella</i> sp. KPN54798	1	species	confiable	2897413
933	<i>Klebsiella aerogenes</i>	5	species	confiable	548
934	<i>Shigella</i>	70	genus	neutral	620
935	<i>Shigella flexneri</i>	14	species	confiable	623
936	<i>Shigella flexneri</i> 2a	3	serotype	confiable	42897
937	<i>Shigella dysenteriae</i>	31	species	confiable	622
938	<i>Shigella boydii</i>	8	species	confiable	621
939	<i>Shigella sonnei</i>	6	species	confiable	624
940	<i>Salmonella</i>	17	genus	neutral	590
941	<i>Salmonella enterica</i>	15	species	confiable	28901
942	<i>Salmonella enterica</i> subsp. <i>enterica</i>	6	subspecies	confiable	59201
943	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Hadar	1	no rank	neutral	149385
944	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Saintpaul	1	no rank	neutral	90105
945	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Saintpaul str. SARA:	1	strain	confiable	702982
946	<i>Citrobacter</i>	220	genus	neutral	544
947	<i>Citrobacter freundii</i> complex	5	species group	neutral	1344959
948	<i>Citrobacter braakii</i>	3	species	confiable	57706
949	<i>Citrobacter freundii</i>	2	species	confiable	546

## TAXONOMÍA BACTERIA:

		Lecturas	Rango	Inferencia	Taxid
950	Citrobacter rodentium	5	species	confiable	67825
951	Enterobacter	240	genus	neutral	547
952	Enterobacter cloacae complex	117	species group	neutral	354276
953	Enterobacter roggenkampii	39	species	confiable	1812935
954	Enterobacter cloacae	4	species	confiable	550
955	Enterobacter hormaechei	2	species	neutral	158836
956	Enterobacter hormaechei subsp. hormaechei	1	subspecies	posible	301105
957	Enterobacter asburiae	2	species	confiable	61645
958	unclassified Enterobacter	4	no rank	neutral	2608935
959	Enterobacter sp. C2	1	species	confiable	2870346
960	Enterobacter sp. RHBSTW-00994	1	species	confiable	2742676
961	Enterobacter bugandensis	2	species	confiable	881260
962	Kosakonia	5	genus	neutral	1330547
963	Pluralibacter	3	genus	neutral	1330546
964	[Enterobacter] lignolyticus	2	species	confiable	1334193
965	Pluralibacter gergoviae	1	species	confiable	61647
966	Cronobacter	5	genus	neutral	413496
967	Cronobacter sakazakii	3	species	confiable	28141
968	Atlantibacter	3	genus	neutral	1903434
969	Atlantibacter subterranea	2	species	confiable	255519
970	Candidatus Profftia	1	genus	neutral	1177214
971	unclassified Candidatus Profftia	1	no rank	neutral	2735709
972	Candidatus Profftia sp. (ex Adelges kitamiensis)	1	species	confiable	2864218
973	Trabulsiella	1	genus	neutral	158851
974	Trabulsiella odontotermitis	1	species	posible	379893
975	Morganellaceae	21	family	neutral	1903414
976	Morganella	14	genus	neutral	581
977	Morganella morganii	14	species	confiable	582
978	Morganella morganii subsp. morganii	1	subspecies	posible	180434
979	Providencia	2	genus	neutral	586
980	Providencia rettgeri	1	species	confiable	587
981	Erwiniaceae	11	family	neutral	1903409
982	Erwinia	3	genus	neutral	551
983	Erwinia tasmaniensis	2	species	neutral	338565
984	Erwinia tasmaniensis Et1/99	2	strain	confiable	465817
985	Pantoea	5	genus	neutral	53335
986	unclassified Pantoea	1	no rank	neutral	2630326
987	Pantoea sp. Z09	1	species	posible	2886821
988	Yersiniaceae	16	family	neutral	1903411
989	Serratia	8	genus	neutral	613
990	Serratia surfactantfaciens	1	species	confiable	2741499
991	Yersinia	6	genus	neutral	629
992	Pseudomonadales	250	order	neutral	72274
993	Pseudomonadaceae	249	family	neutral	135621
994	Pseudomonas	248	genus	neutral	286
995	Pseudomonas aeruginosa group	198	species group	neutral	136841
996	Pseudomonas aeruginosa	198	species	confiable	287
997	Pseudomonas alcaligenes	1	species	posible	43263
998	Pseudomonas nitroreducens/multiresinivorans group	1	species subgro	neutral	627141
999	Pseudomonas multiresinivorans	1	species	posible	95301
1.000	unclassified Pseudomonas	2	no rank	neutral	196821
1.001	Pseudomonas sp. gcc21	1	species	confiable	2726989
1.002	Pseudomonas sp. LRP2-20	1	species	posible	2944234
1.003	Pseudomonas fluorescens group	2	species group	neutral	136843
1.004	Pseudomonas migulae	1	species	posible	78543
1.005	Pseudomonas congelans	1	species	posible	200452

## TAXONOMÍA BACTERIA:

	Lecturas	Rango	Inferencia	Taxid
1.006 Pseudomonas putida group	2	species group	neutral	136845
1.007 Pseudomonas putida	2	species	confiable	303
1.008 Pseudomonas lalkuanensis	1	species	posible	2604832
1.009 Stutzerimonas	1	genus	neutral	2901164
1.010 Stutzerimonas stutzeri group	1	species group	neutral	136846
1.011 Stutzerimonas stutzeri subgroup	1	species subgroup	neutral	578833
1.012 Stutzerimonas stutzeri	1	species	confiable	316
1.013 Marinobacteraceae	1	family	neutral	2887365
1.014 Marinobacter	1	genus	neutral	2742
1.015 unclassified Marinobacter	1	no rank	neutral	83889
1.016 Marinobacter sp. NP-4(2019)	1	species	posible	2488665
1.017 Moraxellales	8	order	neutral	2887326
1.018 Moraxellaceae	8	family	neutral	468
1.019 Acinetobacter	7	genus	neutral	469
1.020 Acinetobacter calcoaceticus/baumannii complex	1	species group	neutral	909768
1.021 Acinetobacter seifertii	1	species	confiable	1530123
1.022 Acinetobacter baumannii	1	species	posible	470
1.023 Thiotrichales	1	order	neutral	72273
1.024 Francisellaceae	1	family	neutral	34064
1.025 Francisella	1	genus	neutral	262
1.026 Francisella halioticida	1	species	posible	549298
1.027 Chromatiales	4	order	neutral	135613
1.028 Chromatiaceae	3	family	neutral	1046
1.029 Caldichromatium	1	genus	neutral	2828366
1.030 Caldichromatium japonicum	1	species	confiable	2699430
1.031 Rheinheimera	1	genus	neutral	67575
1.032 Rheinheimera mangrovi	1	species	confiable	2498451
1.033 Thiocapsa	1	genus	neutral	1056
1.034 Thiocapsa bogorovii	1	species	posible	521689
1.035 Granulosicoccaceae	1	family	neutral	449719
1.036 Granulosicoccus	1	genus	neutral	437504
1.037 Granulosicoccus antarcticus	1	species	posible	437505
1.038 Granulosicoccus antarcticus IMCC3135	1	strain	posible	1192854
1.039 Alteromonadales	12	order	neutral	135622
1.040 Shewanellaceae	5	family	neutral	267890
1.041 Shewanella	5	genus	neutral	22
1.042 Shewanella amazonensis	1	species	neutral	60478
1.043 Shewanella amazonensis SB2B	1	strain	confiable	326297
1.044 Alteromonadaceae	4	family	neutral	72275
1.045 Saliniradius	1	genus	neutral	2661818
1.046 Saliniradius amylolyticus	1	species	confiable	2183582
1.047 Idiomarinaceae	1	family	neutral	267893
1.048 Idiomarina	1	genus	neutral	135575
1.049 Idiomarina loihiensis	1	species	posible	135577
1.050 Oceanospirillales	5	order	neutral	135619
1.051 Halomonadaceae	4	family	neutral	28256
1.052 Halomonas	3	genus	neutral	2745
1.053 unclassified Halomonas	2	no rank	neutral	2609666
1.054 Halomonas sp. THAF12	1	species	confiable	2587849
1.055 Halomonas sp. GT	1	species	confiable	1971364
1.056 Xanthomonadales	2	order	neutral	135614
1.057 Xanthomonadaceae	1	family	neutral	32033
1.058 Lysobacter	1	genus	neutral	68
1.059 Lysobacter enzymogenes	1	species	posible	69
1.060 unclassified Lysobacter	1	no rank	neutral	2635362
1.061 Lysobacter sp. K5869	1	species	posible	2820808

## TAXONOMÍA BACTERIA:

	Lecturas	Rango	Inferencia	Taxid
1.062 Rhodanobacteraceae	1	family	neutral	1775411
1.063 Dyella	1	genus	neutral	231454
1.064 unclassified Dyella	1	no rank	neutral	2634549
1.065 Dyella sp. GSA-30	1	species	confiable	2994496
1.066 Pasteurellales	4	order	neutral	135625
1.067 Pasteurellaceae	4	family	neutral	712
1.068 Actinobacillus	2	genus	neutral	713
1.069 Actinobacillus delphinicola	1	species	confiable	51161
1.070 Haemophilus	1	genus	neutral	724
1.071 Haemophilus parahaemolyticus	1	species	confiable	735
1.072 Aeromonadales	2	order	neutral	135624
1.073 Aeromonadaceae	2	family	neutral	84642
1.074 Aeromonas	2	genus	neutral	642
1.075 Aeromonas veronii	1	species	confiable	654
1.076 Aeromonas rivuli	1	species	posible	648794
1.077 Vibrionales	4	order	neutral	135623
1.078 Vibrionaceae	4	family	neutral	641
1.079 Photobacterium	1	genus	neutral	657
1.080 Photobacterium damsela	1	species	posible	38293
1.081 Methylococcales	1	order	neutral	135618
1.082 Methylococcaceae	1	family	neutral	403
1.083 Methylomonas	1	genus	neutral	416
1.084 Methylomonas rapida	1	species	confiable	2963939
1.085 Betaproteobacteria	51	class	neutral	28216
1.086 Burkholderiales	34	order	neutral	80840
1.087 Burkholderiaceae	6	family	neutral	119060
1.088 Burkholderia	2	genus	neutral	32008
1.089 Burkholderia cepacia complex	1	species group	neutral	87882
1.090 Burkholderia cepacia	1	species	confiable	292
1.091 pseudomallei group	1	species group	neutral	111527
1.092 Burkholderia pseudomallei	1	species	posible	28450
1.093 Ralstonia	2	genus	neutral	48736
1.094 Ralstonia solanacearum	2	species	confiable	305
1.095 Cupriavidus	1	genus	neutral	106589
1.096 Cupriavidus oxalaticus	1	species	confiable	96344
1.097 Chitinimonas	1	genus	neutral	240411
1.098 Chitinimonas arctica	1	species	posible	2594795
1.099 Comamonadaceae	9	family	neutral	80864
1.100 Variovorax	3	genus	neutral	34072
1.101 unclassified Variovorax	1	no rank	neutral	663243
1.102 Variovorax sp. SRS16	1	species	confiable	282217
1.103 Comamonas	1	genus	neutral	283
1.104 Comamonas aquatica	1	species	posible	225991
1.105 Comamonas terrigena	1	species	posible	32013
1.106 Comamonas terrigena NBRC 13299	1	strain	posible	1219032
1.107 Rhodoferax	1	genus	neutral	28065
1.108 Rhodoferax ferrireducens	1	species	neutral	192843
1.109 Rhodoferax ferrireducens T118	1	strain	confiable	338969
1.110 Ramlibacter	1	genus	neutral	174951
1.111 Ramlibacter tataouinensis	1	species	neutral	94132
1.112 Ramlibacter tataouinensis TTB310	1	strain	confiable	365046
1.113 Hydrogenophaga	1	genus	neutral	47420
1.114 unclassified Hydrogenophaga	1	no rank	neutral	2610897
1.115 Hydrogenophaga sp. RAC07	1	species	posible	1842537
1.116 Kinneretia	1	genus	neutral	683756
1.117 unclassified Kinneretia	1	no rank	neutral	2632542

## TAXONOMÍA BACTERIA:

	Lecturas	Rango	Inferencia	Taxid
1.118 Kinneretia sp. DAIF2	1	species	posible	2714952
1.119 Sphaerotilaceae	2	family	neutral	2975441
1.120 Roseateles	2	genus	neutral	93681
1.121 Roseateles depolymerans	1	species	confiable	76731
1.122 unclassified Roseateles	1	no rank	neutral	2626991
1.123 Roseateles sp. BIM B-1768	1	species	confiable	2978473
1.124 Piscinibacter	1	genus	neutral	1114981
1.125 unclassified Piscinibacter	1	no rank	neutral	2627988
1.126 Piscinibacter sp. XHJ-5	1	species	confiable	3037797
1.127 Sutterellaceae	5	family	neutral	995019
1.128 Sutterella	5	genus	neutral	40544
1.129 Sutterella faecalis	1	species	confiable	2584944
1.130 Sutterella megalosphaeroides	1	species	posible	2494234
1.131 Oxalobacteraceae	5	family	neutral	75682
1.132 Massilia group	2	no rank	neutral	2895353
1.133 Pseudoduganella	2	genus	neutral	1522432
1.134 Pseudoduganella armeniaca	1	species	confiable	2072590
1.135 Alcaligenaceae	4	family	neutral	506
1.136 Achromobacter	2	genus	neutral	222
1.137 Burkholderiales genera incertae sedis	1	no rank	neutral	224471
1.138 Paucibacter	1	genus	neutral	318147
1.139 unclassified Paucibacter	1	no rank	neutral	2642959
1.140 Paucibacter sp. S2-9	1	species	posible	3019553
1.141 Neisseriales	7	order	neutral	206351
1.142 Chromobacteriaceae	3	family	neutral	1499392
1.143 Aquitalea	2	genus	neutral	407217
1.144 Aquitalea aquatilis	1	species	confiable	1537400
1.145 Chromobacterium group	1	no rank	neutral	90153
1.146 Chromobacterium	1	genus	neutral	535
1.147 unclassified Chromobacterium	1	no rank	neutral	2641838
1.148 Chromobacterium sp. ATCC 53434	1	species	confiable	2059672
1.149 Vogesella	1	genus	neutral	57739
1.150 unclassified Vogesella	1	no rank	neutral	2684990
1.151 Vogesella sp. XCS3	1	species	posible	2877939
1.152 Neisseriaceae	4	family	neutral	481
1.153 Neisseria	3	genus	neutral	482
1.154 Neisseria weixii	1	species	posible	1853276
1.155 Nitrosomonadales	2	order	neutral	32003
1.156 Sulfuricellaceae	1	family	neutral	2772226
1.157 Sulfuriferula	1	genus	neutral	1778653
1.158 unclassified Sulfuriferula	1	no rank	neutral	2637784
1.159 Sulfuriferula sp. AH1	1	species	confiable	1985873
1.160 Sterolibacteriaceae	1	family	neutral	2008793
1.161 Sulfuricystis	1	genus	neutral	3050898
1.162 Sulfuricystis thermophila	1	species	posible	2496847
1.163 Nitrosomonadaceae	1	family	neutral	206379
1.164 Nitrospira	1	genus	neutral	35798
1.165 Nitrospira briensis	1	species	posible	35799
1.166 Nitrospira briensis C-128	1	strain	posible	1266925
1.167 Rhodocyclales	7	order	neutral	206389
1.168 Rhodocyclaceae	4	family	neutral	75787
1.169 Azospira	2	genus	neutral	146937
1.170 Azospira inquinata	2	species	confiable	2785627
1.171 Alphaproteobacteria	53	class	neutral	28211
1.172 Hyphomicrobiales	17	order	neutral	356
1.173 Rhizobiaceae	5	family	neutral	82115



## TAXONOMÍA BACTERIA:

	Lecturas	Rango	Inferencia	Taxid
1.174 Rhizobium/Agrobacterium group	3	no rank	neutral	227290
1.175 Rhizobium	2	genus	neutral	379
1.176 unclassified Rhizobium	1	no rank	neutral	2613769
1.177 Rhizobium sp. C104	1	species	posible	2917727
1.178 Rhizobium binae	1	species	posible	1138190
1.179 Agrobacterium	1	genus	neutral	357
1.180 Agrobacterium larrymoorei	1	species	posible	160699
1.181 Sinorhizobium/Ensifer group	2	no rank	neutral	227292
1.182 Ensifer	2	genus	neutral	106591
1.183 Ensifer canadensis	2	species	confiable	555315
1.184 Sinorhizobium	1	genus	neutral	28105
1.185 Sinorhizobium terangae	1	species	posible	110322
1.186 Phyllobacteriaceae	3	family	neutral	69277
1.187 Mesorhizobium	3	genus	neutral	68287
1.188 Mesorhizobium huakuii	1	species	confiable	28104
1.189 Mesorhizobium ciceri	1	species	posible	39645
1.190 Aquibium	1	genus	neutral	2911176
1.191 Aquibium microcysteis	1	species	posible	675281
1.192 Methylobacteriaceae	2	family	neutral	119045
1.193 Methylobacterium	2	genus	neutral	407
1.194 Methylobacterium organophilum	1	species	posible	410
1.195 Sphingomonadales	11	order	neutral	204457
1.196 Sphingomonadaceae	7	family	neutral	41297
1.197 Sphingomonas	4	genus	neutral	13687
1.198 unclassified Sphingomonas	2	no rank	neutral	196159
1.199 Sphingomonas sp.	1	species	confiable	28214
1.200 Novosphingobium	2	genus	neutral	165696
1.201 Erythrobacteraceae	2	family	neutral	335929
1.202 Altererythrobacter	1	genus	neutral	361177
1.203 Altererythrobacter epoxidivorans	1	species	confiable	361183
1.204 Erythrobacter/Porphyrobacter group	1	no rank	neutral	2800788
1.205 Porphyrobacter	1	genus	neutral	1111
1.206 unclassified Porphyrobacter	1	no rank	neutral	2683265
1.207 Porphyrobacter sp. ULC335	1	species	posible	2854260
1.208 Rhodobacterales	8	order	neutral	204455
1.209 Roseobacteraceae	4	family	neutral	2854170
1.210 Sulfitobacter	1	genus	neutral	60136
1.211 Sulfitobacter faviae	1	species	confiable	1775881
1.212 Antarctobacter	1	genus	neutral	74032
1.213 Antarctobacter heliothermus	1	species	confiable	74033
1.214 Paracoccaceae	4	family	neutral	31989
1.215 Rhodobacter	2	genus	neutral	1060
1.216 Rhodobacter capsulatus	2	species	confiable	1061
1.217 Paracoccus	1	genus	neutral	265
1.218 Paracoccus kondratievae	1	species	confiable	135740
1.219 Rhodospirillales	8	order	neutral	204441
1.220 Acetobacteraceae	5	family	neutral	433
1.221 Oecophyllibacter	1	genus	neutral	2791118
1.222 Oecophyllibacter saccharovorans	1	species	confiable	2558360
1.223 Azospirillaceae	2	family	neutral	2829815
1.224 Skermanella	1	genus	neutral	204447
1.225 Rickettsiales	2	order	neutral	766
1.226 Rickettsiaceae	2	family	neutral	775
1.227 Rickettsieae	2	tribe	neutral	33988
1.228 Rickettsia	2	genus	neutral	780
1.229 Emcibacterales	1	order	neutral	2066490

**TAXONOMÍA BACTERIA:**

	Lecturas	Rango	Inferencia	Taxid	
1.230	Emcibacteraceae	1	family	neutral	2066491
1.231	Luteithermobacter	1	genus	neutral	2813803
1.232	Luteithermobacter gelatinilyticus	1	species	posible	2582913
1.233	Minwuiiales	1	order	neutral	2493627
1.234	Minwuiaceae	1	family	neutral	2493628
1.235	Minwuia	1	genus	neutral	2493629
1.236	unclassified Minwuia	1	no rank	neutral	2618799
1.237	Campylobacterota	195	phylum	neutral	29547
1.238	Epsilonproteobacteria	195	class	neutral	3031852
1.239	Campylobacterales	194	order	neutral	213849
1.240	Campylobacteraceae	189	family	neutral	72294
1.241	Campylobacter	189	genus	neutral	194
1.242	Campylobacter jejuni	27	species	confiable	197
1.243	Campylobacter coli	22	species	confiable	195
1.244	Campylobacter coli RM5611	22	strain	confiable	1183380
1.245	Arcobacteraceae	3	family	neutral	2808963
1.246	Malaciobacter	2	genus	neutral	2321114
1.247	Malaciobacter halophilus	1	species	confiable	197482
1.248	Nautiliales	2	order	neutral	235899
1.249	Nautiliaceae	2	family	neutral	224467
1.250	Caminibacter	1	genus	neutral	191301
1.251	Caminibacter mediatlanticus	1	species	neutral	291048
1.252	Caminibacter mediatlanticus TB-2	1	strain	confiable	391592
1.253	Thermodesulfobacteriota	136	phylum	neutral	200940
1.254	Desulfovibrionia	67	class	neutral	3031449
1.255	Desulfovibrionales	67	order	neutral	213115
1.256	Desulfovibrionaceae	65	family	neutral	194924
1.257	Desulfovibrio	36	genus	neutral	872
1.258	Desulfovibrio fairfieldensis	8	species	confiable	44742
1.259	Desulfovibrio vulgaris	5	species	confiable	881
1.260	Desulfovibrio desulfuricans	8	species	confiable	876
1.261	Desulfovibrio piger	4	species	confiable	901
1.262	Desulfovibrio sulfodismutans	2	species	neutral	63561
1.263	Desulfovibrio sulfodismutans DSM 3696	2	strain	confiable	1121464
1.264	unclassified Desulfovibrio	5	no rank	neutral	2593640
1.265	Desulfovibrio sp. G11	3	species	confiable	631220
1.266	Desulfovibrio mangrovi	1	species	confiable	2976983
1.267	Pseudodesulfovibrio	11	genus	neutral	2035811
1.268	Pseudodesulfovibrio indicus	3	species	confiable	1716143
1.269	Pseudodesulfovibrio aespoensis	3	species	neutral	182210
1.270	Pseudodesulfovibrio aespoensis Aspo-2	3	strain	confiable	643562
1.271	Pseudodesulfovibrio portus	1	species	confiable	231439
1.272	Solidesulfovibrio	3	genus	neutral	2910984
1.273	Solidesulfovibrio carbinolicus	1	species	confiable	296842
1.274	Lawsonia	4	genus	neutral	41707
1.275	Lawsonia intracellularis	4	species	confiable	29546
1.276	Oleidesulfovibrio	2	genus	neutral	2909705
1.277	Oleidesulfovibrio alaskensis	2	species	neutral	58180
1.278	Oleidesulfovibrio alaskensis G20	2	strain	confiable	207559
1.279	Salidesulfovibrio	1	genus	neutral	2950010
1.280	Salidesulfovibrio onnuriensis	1	species	confiable	2583823
1.281	Desulfuromonadia	5	class	neutral	3031651
1.282	Geobacterales	3	order	neutral	3031668
1.283	Geobacteraceae	3	family	neutral	213422
1.284	Geobacter	3	genus	neutral	28231
1.285	Geobacter sulfurreducens	2	species	confiable	35554

## TAXONOMÍA BACTERIA:

	Lecturas	Rango	Inferencia	Taxid
1.286 unclassified Geobacter	1	no rank	neutral	2627627
1.287 Geobacter sp. FeAm09	1	species	confiable	2597769
1.288 Desulfuromonadales	2	order	neutral	69541
1.289 Desulfuromonadaceae	2	family	neutral	213421
1.290 Pelobacter	1	genus	neutral	18
1.291 Pelobacter propionicus	1	species	neutral	29543
1.292 Pelobacter propionicus DSM 2379	1	strain	confiable	338966
1.293 Desulfobacteria	3	class	neutral	3024418
1.294 Desulfobacterales	3	order	neutral	213118
1.295 Desulfococcaceae	2	family	neutral	2931039
1.296 Desulfococcus	2	genus	neutral	896
1.297 Desulfococcus multivorans	2	species	confiable	897
1.298 Desulfobulbia	2	class	neutral	3031451
1.299 Desulfobulbales	2	order	neutral	3024411
1.300 Desulfobulbaceae	1	family	neutral	213121
1.301 Desulfobulbus	1	genus	neutral	893
1.302 Desulfobulbus oralis	1	species	posible	1986146
1.303 Syntrophobacteria	2	class	neutral	3024408
1.304 Syntrophobacterales	2	order	neutral	213462
1.305 Syntrophobacteraceae	2	family	neutral	213465
1.306 Syntrophobacter	1	genus	neutral	29526
1.307 Syntrophobacter fumaroxidans	1	species	neutral	119484
1.308 Syntrophobacter fumaroxidans MPOB	1	strain	confiable	335543
1.309 Spirochaetota	122	phylum	neutral	203691
1.310 Spirochaetia	122	class	neutral	203692
1.311 Spirochaetales	118	order	neutral	136
1.312 Treponemataceae	116	family	neutral	2845253
1.313 Treponema	115	genus	neutral	157
1.314 Treponema peruense	18	species	confiable	2787628
1.315 Treponema vincentii	8	species	confiable	69710
1.316 Treponema medium	7	species	confiable	58231
1.317 Sphaerochaetaceae	2	family	neutral	2791015
1.318 Sphaerochaeta	2	genus	neutral	399320
1.319 Sphaerochaeta associata	1	species	confiable	1129264
1.320 PVC group	145	clade	neutral	1783257
1.321 Verrucomicrobiota	140	phylum	neutral	74201
1.322 Verrucomicrobiae	140	class	neutral	203494
1.323 Verrucomicrobiales	139	order	neutral	48461
1.324 Akkermansiaceae	139	family	neutral	1647988
1.325 Akkermansia	139	genus	neutral	239934
1.326 Akkermansia muciniphila	132	species	confiable	239935
1.327 Limisphaerales	1	order	neutral	134621
1.328 Fontisphaeraceae	1	family	neutral	3050006
1.329 Fontisphaera	1	genus	neutral	3050007
1.330 Fontisphaera persica	1	species	confiable	2974023
1.331 Fusobacteriota	4	phylum	neutral	32066
1.332 Fusobacteriia	4	class	neutral	203490
1.333 Fusobacteriales	4	order	neutral	203491
1.334 Fusobacteriaceae	3	family	neutral	203492
1.335 Fusobacterium	3	genus	neutral	848
1.336 Fusobacterium gonidiaformans	1	species	neutral	849
1.337 Fusobacterium gonidiaformans ATCC 25563	1	strain	confiable	469615
1.338 Fusobacterium hominis	1	species	confiable	2764326
1.339 Leptotrichiaceae	2	family	neutral	1129771
1.340 Leptotrichia	1	genus	neutral	32067
1.341 unclassified Leptotrichia	1	no rank	neutral	2633022

## TAXONOMÍA BACTERIA:

	Lecturas	Rango	Inferencia	Taxid	
1.342	Leptotrichia sp. oral taxon 212	1	species	posible	712357
1.343	Deferribacterota	2	phylum	neutral	200930
1.344	Deferribacteres	2	class	neutral	68337
1.345	Deferribacterales	2	order	neutral	191393
1.346	Geovibrionaceae	1	family	neutral	2945019
1.347	Denitrovibrio	1	genus	neutral	117999
1.348	Denitrovibrio acetiphilus	1	species	neutral	118000
1.349	Denitrovibrio acetiphilus DSM 12809	1	strain	confiable	522772
1.350	Geovibrio	1	genus	neutral	46200
1.351	Geovibrio thiophilus	1	species	confiable	139438
1.352	Bacteria incertae sedis	8	no rank	neutral	2323
1.353	Bacteria candidate phyla	8	clade	neutral	1783234
1.354	Candidatus Saccharibacteria	7	phylum	neutral	95818
1.355	Candidatus Saccharimonadia	7	class	neutral	2093818
1.356	Candidatus Nanosynbacterales	7	order	neutral	2093819
1.357	Candidatus Nanosynbacteraceae	7	family	neutral	2093822
1.358	Candidatus Nanosynbacter	7	genus	neutral	2093823
1.359	unclassified Candidatus Nanosynbacter	7	no rank	neutral	2725944
1.360	Candidatus Nanosynbacter sp. HMT-352	7	species	confiable	2899133
1.361	Myxococcota	6	phylum	neutral	2818505
1.362	Myxococcia	5	class	neutral	32015
1.363	Myxococcales	5	order	neutral	29
1.364	Cystobacterineae	5	suborder	neutral	80811
1.365	Anaeromyxobacteraceae	3	family	neutral	1524215
1.366	Anaeromyxobacter	3	genus	neutral	161492
1.367	Anaeromyxobacter paludicola	1	species	confiable	2918171
1.368	Synergistota	4	phylum	neutral	508458
1.369	Synergistia	4	class	neutral	649775
1.370	Synergistales	4	order	neutral	649776
1.371	Dethiosulfovibrionaceae	3	family	neutral	3029088
1.372	Pyramidobacter	3	genus	neutral	638847
1.373	Pyramidobacter piscolens	3	species	confiable	638849

## TAXONOMÍA PLASMIDOS:

	Lecturas	Rango	Inferencia	Taxid	
1	root	13560	no rank	neutral	1
2	other entries	13560	no rank	neutral	2787854
3	other sequences	13560	no rank	neutral	28384
4	plasmids	13560	no rank	neutral	36549
5	unidentified plasmid	13431	species	confiable	45202
6	Plasmid R64	1	species	confiable	2492
7	Plasmid ColD	1	species	posible	2442
8	Plasmid pGS05	19	species	confiable	2557
9	Plasmid pMccB17	18	species	confiable	36543
10	Plasmid pSa	1	species	confiable	2637

## TAXONOMÍA ARCHAEA:

	Lecturas	Rango	Inferencia	Taxid
1	root	305 no rank	neutral	1
2	cellular organisms	305 no rank	neutral	131567
3	Archaea	305 superkingdom	neutral	2157
4	Euryarchaeota	79 phylum	neutral	28890
5	Stenosarchaea group	33 clade	neutral	2290931
6	Methanomicrobia	19 class	neutral	224756
7	Methanosarcinales	13 order	neutral	94695
8	Methanosarcinaceae	6 family	neutral	2206
9	Methanosarcina	2 genus	neutral	2207
10	Methanosarcina acetivorans	1 species	neutral	2214
11	Methanosarcina acetivorans C2A	1 strain	posible	188937
12	Methanosarcina vacuolata	1 species	posible	2215
13	Methanosarcina vacuolata Z-761	1 strain	posible	1434123
14	Methanosarcina lacustris	1 species	posible	170861
15	Methanosarcina lacustris Z-7289	1 strain	posible	1434111
16	Methanolobus	1 genus	neutral	2220
17	Methanolobus psychrophilus	1 species	neutral	420950
18	Methanolobus psychrophilus R15	1 strain	confiable	1094980
19	Methanohalophilus	1 genus	neutral	2175
20	Methanohalophilus halophilus	1 species	confiable	2177
21	Candidatus Methanoperedenaceae	7 family	neutral	1392996
22	unclassified Candidatus Methanoperedenaceae	7 no rank	neutral	2013823
23	Candidatus Methanoperedenaceae archaeon GB37	1 species	confiable	2691037
24	Methanomicrobiales	6 order	neutral	2191
25	Methanospirillaceae	1 family	neutral	196137
26	Methanospirillum	1 genus	neutral	2202
27	Methanospirillum hungatei	1 species	neutral	2203
28	Methanospirillum hungatei JF-1	1 strain	confiable	323259
29	Methanocellales	1 order	neutral	570264
30	Methanocellaceae	1 family	neutral	570265
31	Methanocella	1 genus	neutral	570266
32	Methanocella paludicola	1 species	neutral	570267
33	Methanocella paludicola SANAE	1 strain	confiable	304371
34	Halobacteria	12 class	neutral	183963
35	Halobacteriales	5 order	neutral	2235
36	Halobacteriaceae	3 family	neutral	2236
37	Halorussus	1 genus	neutral	1070314
38	unclassified Halorussus	1 no rank	neutral	2643768
39	Halorussus sp. YCN54	1 species	confiable	2953750
40	Halorussus pelagicus	1 species	posible	2505977
41	Salarchaeum	2 genus	neutral	1075398
42	Haladaptatus	1 genus	neutral	367188
43	Haladaptatus pallidirubidus	1 species	posible	1008152
44	Halocatena	1 genus	neutral	2907493
45	unclassified Halocatena	1 no rank	neutral	2907494
46	Halocatena sp. AD-1	1 species	posible	2934340
47	Haloarculaceae	2 family	neutral	1963268
48	Natronomonas	1 genus	neutral	63743
49	Natronomonas salina	1 species	posible	1710540
50	Natronomonas halophila	1 species	posible	2747817
51	Halosimplex	1 genus	neutral	171163
52	Halosimplex pelagicum	1 species	posible	869886
53	Halosegnis	1 genus	neutral	2841540
54	unclassified Halosegnis	1 no rank	neutral	2864958
55	Halosegnis sp. ZY10	1 species	posible	2962671

**TAXONOMÍA ARCHAEA:**

	Lecturas	Rango	Inferencia	Taxid
56 Halapricum		1 genus	neutral	1542963
57 Halapricum salinum		1 species	posible	1457250
58 Haloferacales		3 order	neutral	1644055
59 Haloferacaceae		2 family	neutral	1644056
60 Halogeometricum		1 genus	neutral	60846
61 Halogeometricum borinquense		1 species	confiable	60847
62 Haloferax		1 genus	neutral	2251
63 Haloferax mediterranei		1 species	posible	2252
64 Haloferax mediterranei ATCC 33500		1 strain	posible	523841
65 Halorubraceae		1 family	neutral	1963271
66 Halorubrum		1 genus	neutral	56688
67 Halorubrum ezzemoulense		1 species	posible	337243
68 unclassified Haloferacales		1 no rank	neutral	2678336
69 halophilic archaeon DL31		1 species	confiable	756883
70 Natrialbales		3 order	neutral	1644060
71 Natrialbaceae		3 family	neutral	1644061
72 Natribaculum		1 genus	neutral	1699375
73 unclassified Natribaculum		1 no rank	neutral	2643314
74 Natribaculum sp. CGA3		1 species	posible	2953881
75 Natrialba		1 genus	neutral	63742
76 Natrialba magadii		1 species	neutral	13769
77 Natrialba magadii ATCC 43099		1 strain	confiable	547559
78 Natronorubrum		1 genus	neutral	134813
79 Natronorubrum aibiense		1 species	posible	348826
80 Natronococcus		1 genus	neutral	29287
81 unclassified Natronococcus		1 no rank	neutral	2623058
82 Natronococcus sp. CG52		1 species	posible	2951804
83 Methanomada group		41 clade	neutral	2283794
84 Methanobacteria		39 class	neutral	183925
85 Methanobacteriales		39 order	neutral	2158
86 Methanobacteriaceae		39 family	neutral	2159
87 Methanobrevibacter		39 genus	neutral	2172
88 unclassified Methanobrevibacter		2 no rank	neutral	2638681
89 Methanobrevibacter sp. AbM4		2 species	confiable	224719
90 Methanobrevibacter sp. YE315		1 species	confiable	1609968
91 Methanobrevibacter smithii		35 species	confiable	2173
92 Methanobrevibacter arboriphilus		1 species	posible	39441
93 Methanococci		2 class	neutral	183939
94 Methanococcales		2 order	neutral	2182
95 Methanocaldococcaceae		1 family	neutral	196117
96 Methanocaldococcus		1 genus	neutral	196118
97 Methanocaldococcus infernus		1 species	confiable	67760
98 unclassified Methanocaldococcus		1 no rank	neutral	2641196
99 Methanocaldococcus sp. FS406-22		1 species	posible	644281
100 Methanococcales incertae sedis		1 no rank	neutral	114584
101 Methanofervidicoccus		1 genus	neutral	2607661
102 unclassified Methanofervidicoccus		1 no rank	neutral	2624956
103 Methanofervidicoccus sp. A16		1 species	posible	2607662
104 environmental samples		4 no rank	neutral	68359
105 uncultured methanogenic archaeon		3 species	confiable	198240
106 uncultured euryarchaeote		1 species	confiable	114243
107 uncultured marine group II/III euryarchaeote KM3_13_C08		1 species	posible	1457871
108 Thermococci		1 class	neutral	183968
109 Thermococcales		1 order	neutral	2258
110 Thermococcaceae		1 family	neutral	2259
111 Thermococcus		1 genus	neutral	2263

## TAXONOMÍA ARCHAEA:

	Lecturas	Rango	Inferencia	Taxid
112	Thermococcus guaymasensis	1 species	posible	110164
113	Thermococcus guaymasensis DSM 11113	1 strain	posible	1432656
114	Thermococcus pacificus	1 species	posible	71998
115	Thermococcus camini	1 species	posible	2016373
116	Archaeoglobi	1 class	neutral	183980
117	Archaeoglobales	1 order	neutral	2231
118	Archaeoglobaceae	1 family	neutral	2232
119	Archaeoglobus	1 genus	neutral	2233
120	Archaeoglobus sulfaticallidus	1 species	posible	1316941
121	Archaeoglobus sulfaticallidus PM70-1	1 strain	posible	387631
122	environmental samples	116 no rank	neutral	48510
123	uncultured archaeon	116 species	confiable	115547
124	TACK group	16 clade	neutral	1783275
125	Crenarchaeota	15 phylum	neutral	28889
126	Thermoprotei	14 class	neutral	183924
127	Desulfurococcales	14 order	neutral	114380
128	Pyrodictiaceae	13 family	neutral	2307
129	Pyrodictium	13 genus	neutral	2308
130	Pyrodictium Brockii	13 species	confiable	35616
131	Desulfurococcaceae	1 family	neutral	2272
132	Staphylothermus	1 genus	neutral	2279
133	Staphylothermus marinus	1 species	posible	2280
134	Staphylothermus marinus F1	1 strain	posible	399550
135	Sulfolobales	1 order	neutral	2281
136	Sulfolobaceae	1 family	neutral	118883
137	Sulfurisphaera	1 genus	neutral	69655
138	Sulfurisphaera ohwakuensis	1 species	posible	69656
139	Thaumarchaeota	2 phylum	neutral	651137
140	Nitrosopumilales	1 order	neutral	31932
141	Nitrosopumilaceae	1 family	neutral	338190
142	Nitrosopumilus	1 genus	neutral	338191
143	Thaumarchaeota incertae sedis	1 no rank	neutral	651142
144	Candidatus Nitrosotalea	1 genus	neutral	1078904
145	Candidatus Nitrosotalea okcheonensis	1 species	confiable	1903276
146	Candidatus Bathyarchaeota	1 phylum	neutral	928852
147	unclassified Candidatus Bathyarchaeota	1 no rank	neutral	1700837
148	Candidatus Bathyarchaeota archaeon	1 species	posible	2026714
149	Candidatus Thermoplasmata	3 phylum	neutral	2283796
150	Thermoplasmata	3 class	neutral	183967
151	unclassified Thermoplasmata	2 no rank	neutral	1234666
152	methanogenic archaeon ISO4-H5	2 species	confiable	1495144
153	Thermoplasmata archaeon	1 species	confiable	1906666
154	DPANN group	2 clade	neutral	1783276
155	Nanoarchaeota	1 phylum	neutral	192989
156	Candidatus Nanoarchaeia	1 class	neutral	2885752
157	Nanoarchaeales	1 order	neutral	1890940
158	Nanopusillaceae	1 family	neutral	1890942
159	Candidatus Nanopusillus	1 genus	neutral	1890407
160	unclassified Candidatus Nanopusillus	1 no rank	neutral	2677111
161	Candidatus Nanopusillus sp. Marseille-Q6268	1 species	posible	2897163
162	Candidatus Aenigmarchaeota	1 phylum	neutral	743724
163	unclassified Aenigmarchaeota	1 no rank	neutral	1046937
164	Candidatus Aenigmarchaeota archaeon	1 species	confiable	2093792
165	Candidatus Woesearchaeota	1 phylum	neutral	1801616
166	Candidatus Woesearchaeota archaeon	1 species	confiable	2026803
167	Candidatus Diapherotrites	1 phylum	neutral	743725

**TAXONOMÍA ARCHAEA:**

	<b>Lecturas</b>	<b>Rango</b>	<b>Inferencia</b>	<b>Taxid</b>
168 unclassified Diapherotrites		1 no rank	neutral	1046942
169 Candidatus Diapherotrites archaeon		1 species	posible	2026736



## TAXONOMÍA FUNGI:

		Lecturas	Rango	Inferencia	Taxid
1	root	4	no rank	neutral	1
2	cellular organisms	4	no rank	neutral	131567
3	Eukaryota	4	superkingdom	neutral	2759
4	Opisthokonta	4	clade	neutral	33154
5	Fungi	4	kingdom	neutral	4751
6	Dikarya	3	subkingdom	neutral	451864
7	Ascomycota	2	phylum	neutral	4890
8	saccharomyceta	2	clade	neutral	716545
9	Pezizomycotina	1	subphylum	neutral	147538
10	leotiomyceta	1	clade	neutral	716546
11	sordariomyceta	1	clade	neutral	715989
12	Sordariomycetes	1	class	neutral	147550
13	Hypocreomycetidae	1	subclass	neutral	222543
14	Hypocreales	1	order	neutral	5125
15	Nectriaceae	1	family	neutral	110618
16	Fusarium	1	genus	neutral	5506
17	Fusarium incarnatum-equiseti species complex	1	species group	neutral	450425
18	Fusarium coffeatum	1	species	posible	231269
19	Hypocreaceae	1	family	neutral	5129
20	Trichoderma	1	genus	neutral	5543
21	Trichoderma reesei	1	species	posible	51453
22	Eurotiomycetes	1	class	neutral	147545
23	Eurotiomycetidae	1	subclass	neutral	451871
24	Eurotiales	1	order	neutral	5042
25	Aspergillaceae	1	family	neutral	1131492
26	Aspergillus	1	genus	neutral	5052
27	Aspergillus candidus	1	species	posible	41067
28	dothideomyceta	1	clade	neutral	715962
29	Dothideomycetes	1	class	neutral	147541
30	Pleosporomycetidae	1	subclass	neutral	451868
31	Pleosporales	1	order	neutral	92860
32	Pleosporineae	1	suborder	neutral	715340
33	Pleosporaceae	1	family	neutral	28556
34	Bipolaris	1	genus	neutral	33194
35	Bipolaris oryzae	1	species	neutral	101162
36	Bipolaris oryzae ATCC 44560	1	strain	posible	930090
37	Saccharomycotina	1	subphylum	neutral	147537
38	Saccharomycetes	1	class	neutral	4891
39	Saccharomycetales	1	order	neutral	4892
40	CUG-Ser1 clade	1	clade	neutral	2916678
41	Debaryomycetaceae	1	family	neutral	766764
42	Candida/Lodderomyces clade	1	clade	neutral	1535325
43	Lodderomyces	1	genus	neutral	36913
44	Lodderomyces elongisporus	1	species	neutral	36914
45	Lodderomyces elongisporus NRRL YB-4239	1	strain	posible	379508
46	Metschnikowiaceae	1	family	neutral	27319
47	Metschnikowiaceae incertae sedis	1	no rank	neutral	2937349
48	Candida/Metschnikowiaceae	1	genus	neutral	2964429
49	[Candida] pseudohaemulonii	1	species	posible	418784
50	Basidiomycota	1	phylum	neutral	5204
51	Agaricomycotina	1	subphylum	neutral	5302
52	Tremellomycetes	1	class	neutral	155616
53	Trichosporonales	1	order	neutral	1851469
54	Trichosporonaceae	1	family	neutral	1759442
55	Vanrija	1	genus	neutral	1851468

### TAXONOMÍA FUNGI:

		Lecturas	Rango	Inferencia	Taxid
56	Vanrija pseudolonga	1	species	posible	143232
57	Fungi incertae sedis	1	no rank	neutral	112252
58	Mucoromycota	1	phylum	neutral	1913637
59	Glomeromycotina	1	subphylum	neutral	214504
60	Glomeromycetes	1	class	neutral	214506
61	Glomerales	1	order	neutral	36750
62	Glomeraceae	1	family	neutral	36751
63	Rhizophagus	1	genus	neutral	1129544
64	Rhizophagus irregularis	1	species	posible	588596

### TAXONOMÍA PROTOZOOS:

		Lecturas	Rango	Inferencia	Taxid
1	root	3	no rank	neutral	1
2	cellular organisms	3	no rank	neutral	131567
3	Eukaryota	3	superkingdom	neutral	2759
4	Sar	2	clade	neutral	2698737
5	Alveolata	2	clade	neutral	33630
6	Apicomplexa	2	phylum	neutral	5794
7	Aconoidasida	2	class	neutral	422676
8	Haemosporida	2	order	neutral	5819
9	Plasmodiidae	2	family	neutral	1639119
10	Plasmodium	2	genus	neutral	5820
11	Plasmodium (Laverania)	2	subgenus	neutral	418107
12	Plasmodium gaboni	1	species	posible	647221
13	Plasmodium sp. DRC-Itaito	1	species	posible	720590
14	Plasmodium reichenowi	1	species	posible	5854
15	Stramenopiles	1	clade	neutral	33634
16	Ochrophyta	1	clade	neutral	2696291
17	Pelagophyceae	1	class	neutral	35675
18	Pelagomonadales	1	order	neutral	54409
19	Aureococcus	1	genus	neutral	44055
20	Aureococcus anophagefferens	1	species	posible	44056
21	Discoba	1	clade	neutral	2611352
22	Euglenozoa	1	phylum	neutral	33682
23	Kinetoplastea	1	class	neutral	5653
24	Metakinetoplastina	1	subclass	neutral	2704647
25	Trypanosomatida	1	order	neutral	2704949
26	Trypanosomatidae	1	family	neutral	5654
27	Trypanosoma	1	genus	neutral	5690
28	Schizotrypanum	1	subgenus	neutral	47570
29	Trypanosoma cruzi	1	species	posible	5693
30	Trypanosoma with unspecified subgenus	1	clade	neutral	669453
31	Trypanosoma conorhini	1	species	posible	83891
32	Leishmaniinae	1	subfamily	neutral	1286322
33	Leishmania	1	genus	neutral	5658
34	Leishmania	1	subgenus	neutral	38568
35	Leishmania mexicana species complex	1	species group	neutral	38582
36	Leishmania amazonensis	1	species	posible	5659

**TAXONOMÍA WORMS:**

		Lecturas	Rango	Inferencia	Taxid
1	root	1	no rank	neutral	1
2	cellular organisms	1	no rank	neutral	131567
3	Eukaryota	1	superkingdom	neutral	2759
4	Opisthokonta	1	clade	neutral	33154
5	Metazoa	1	kingdom	neutral	33208
6	Eumetazoa	1	clade	neutral	6072
7	Bilateria	1	clade	neutral	33213
8	Protostomia	1	clade	neutral	33317
9	Spiralia	1	clade	neutral	2697495
10	Lophotrochozoa	1	clade	neutral	1206795
11	Platyhelminthes	1	phylum	neutral	6157
12	Trematoda	1	class	neutral	6178
13	Digenea	1	subclass	neutral	6179
14	Strigeidida	1	order	neutral	6180
15	Schistosomatoidea	1	superfamily	neutral	31244
16	Schistosomatidae	1	family	neutral	31245
17	Schistosoma	1	genus	neutral	6181
18	Schistosoma mansoni	1	species	posible	6183
19	Cestoda	1	class	neutral	6199
20	Eucestoda	1	subclass	neutral	6200
21	Diphyllobothriidea	1	order	neutral	1224679
22	Diphyllobothriidae	1	family	neutral	28843
23	Spirometra	1	genus	neutral	46580
24	Spirometra erinaceieuropaei	1	species	posible	99802
25	Ecdysozoa	1	clade	neutral	1206794
26	Nematoda	1	phylum	neutral	6231
27	Chromadorea	1	class	neutral	119089
28	Rhabditida	1	order	neutral	6236
29	Rhabditina	1	suborder	neutral	2301116
30	Rhabditomorpha	1	infraorder	neutral	2301119
31	Rhabditoidea	1	superfamily	neutral	55879
32	Rhabditidae	1	family	neutral	6243
33	Peloderinae	1	subfamily	neutral	55885
34	Caenorhabditis	1	genus	neutral	6237
35	Caenorhabditis elegans	1	species	posible	6239

**TAXONOMÍA ACYTOTA:**

		<b>Lecturas</b>	<b>Rango</b>	<b>Inferencia</b>	<b>Taxid</b>
1	root	159620	no rank	neutral	1
2	Viruses	159620	superkingdom	neutral	10239
3	Duplodnaviria	119992	clade	neutral	2731341
4	Heunggongvirae	119992	kingdom	neutral	2731360
5	Uroviricota	119992	phylum	neutral	2731618
6	Caudoviricetes	119992	class	neutral	2731619
7	Caudovirales	116406	order	neutral	28883
8	Siphoviridae	57728	family	neutral	10699
9	unclassified Siphoviridae	57728	no rank	neutral	196894
10	Siphoviridae sp.	49918	species	confiable	2170413
11	Bacteroides phage p00	358	species	confiable	2306278
12	Streptococcus phage phi-SsuYTJ2_rum	11	species	confiable	2664407
13	Siphoviridae sp. ctfeV1	473	species	confiable	2826417
14	Siphoviridae sp. ctBLh2	49	species	confiable	2827803
15	Bacteroides phage LoVEphage	1091	species	confiable	2831678
16	Siphoviridae sp. ctPB44	325	species	confiable	2827274
17	Siphoviridae sp. ctCCX1	799	species	confiable	2823567
18	Siphoviridae sp. ctSA812	42	species	confiable	2825508
19	Siphoviridae sp. ctPAi1	261	species	confiable	2826320
20	Escherichia phage mEp460_ev081	154	species	confiable	2695846
21	Siphoviridae sp. ctrgQ8	47	species	confiable	2825689
22	Siphoviridae sp. ctAUQ2	64	species	confiable	2826182
23	Escherichia phage vB_EcoS-640R1	154	species	confiable	2946111
24	Siphoviridae sp. ctZ0X1	14	species	confiable	2825554
25	Siphoviridae sp. ctDir9	37	species	confiable	2825388
26	Escherichia phage CMS-2020a	33	species	confiable	2735572
27	Streptococcus phage phi-SsUD.1	27	species	confiable	861448
28	Klebsiella phage ST101-KPC2phi6.3	10	species	confiable	2510475
29	Siphoviridae sp. ct47y1	5	species	confiable	2827775
30	Siphoviridae sp. ctDXu9	8	species	confiable	2825387
31	Siphoviridae sp. ctEgn5	3	species	confiable	2825398
32	Siphoviridae sp. ct03L1	132	species	confiable	2827942
33	Siphoviridae sp. ctEDy1	65	species	confiable	2825587
34	Salmonella phage SPF_0923	8	species	confiable	2930345
35	Escherichia phage Rac-SA53	8	species	confiable	1759531
36	Siphoviridae sp. ctNiB4	3	species	confiable	2823575
37	Enterobacteria phage mEp460	4	species	confiable	1147152
38	Siphoviridae sp. ctLmu1	2	species	confiable	2826253
39	Siphoviridae sp. ctABX13	1	species	confiable	2826389
40	Escherichia phage vB_EcoM-606R7	36	species	confiable	2946082
41	Siphoviridae sp. ctNZc11	33	species	confiable	2827858
42	Siphoviridae sp. ct5kv15	28	species	confiable	2825338
43	Klebsiella phage ST16-OXA48phi5.1	25	species	confiable	2510481
44	Siphoviridae sp. ctDmQ3	10	species	confiable	2823570
45	Siphoviridae sp. ctIHU7	14	species	confiable	2827588
46	Stx2a-converting phage Stx2_499	14	species	confiable	2751377
47	Siphoviridae sp. ctOf8	9	species	confiable	2825668
48	Siphoviridae sp. ctII314	9	species	confiable	2827927
49	Siphoviridae sp. ctRGt12	8	species	confiable	2825501
50	Siphoviridae sp. ctVOP12	8	species	confiable	2825531
51	Enterobacterial phage P-EibA	8	species	confiable	120167
52	Siphoviridae sp. ctEfY6	7	species	confiable	2828169
53	Escherichia phage Cyrano	6	species	confiable	2904711
54	Streptococcus phage Javan630	6	species	confiable	2548289
55	Siphoviridae sp. ct8HH20	6	species	confiable	2825359

**TAXONOMÍA ACYTOTA:**

		<b>Lecturas</b>	<b>Rango</b>	<b>Inferencia</b>	<b>Taxid</b>
56	Enterobacter phage ENC13	4	species	confiable	2906745
57	Siphoviridae sp. ctClj3	4	species	confiable	2826192
58	Siphoviridae sp. ctGdK3	4	species	confiable	2826222
59	Escherichia phage Lys8385Vzv	3	species	confiable	2724332
60	Erysipelothrix phage phi1605	3	species	confiable	2006938
61	Siphoviridae sp. cteLh2	3	species	confiable	2825590
62	Siphoviridae sp. ctHeV6	3	species	confiable	2826233
63	Siphoviridae sp. ctsoB6	2	species	confiable	2826487
64	Siphoviridae sp. ctiu37	2	species	confiable	2825628
65	Escherichia phage vB_EcoS-683R6	2	species	confiable	2946114
66	Siphoviridae sp. cttpk5	2	species	confiable	2826496
67	Siphoviridae sp. ctFxb24	1	species	confiable	2825406
68	Siphoviridae sp. ctevH2	1	species	posible	2825593
69	Siphoviridae sp. ctdmY20	1	species	posible	2825586
70	Myoviridae	38143	family	neutral	10662
71	unclassified Myoviridae	38143	no rank	neutral	196896
72	Myoviridae sp.	35928	species	confiable	2202564
73	Myoviridae sp. ctcaJ26	252	species	confiable	2825138
74	Myoviridae sp. ct04y17	1	species	posible	2827652
75	Myoviridae sp. ctai52	183	species	confiable	2825134
76	Myoviridae sp. ctHMa1	78	species	confiable	2827671
77	Myoviridae sp. ctt8G1	73	species	confiable	2827713
78	Myoviridae sp. ct0Tg8	70	species	confiable	2826598
79	Citrobacter phage Chris1	15	species	confiable	2930390
80	Myoviridae sp. ct7CH26	9	species	confiable	2827604
81	Myoviridae sp. ct8Eu10	5	species	confiable	2826621
82	Klebsiella phage ST11-VIM1phi8.3	120	species	confiable	2510478
83	Escherichia phage vB_EcoM-689R6	94	species	confiable	2946090
84	Myoviridae sp. ctu6J18	52	species	confiable	2827714
85	Myoviridae sp. ctUPB15	27	species	confiable	2825116
86	Myoviridae sp. ctTrm2	21	species	confiable	2825114
87	Myoviridae sp. ct8aR17	20	species	confiable	2827663
88	Myoviridae sp. ct2iG11	18	species	confiable	2826605
89	Myoviridae sp. ctQf419	17	species	confiable	2825102
90	Myoviridae sp. ct3Sw5	4	species	confiable	2826609
91	Myoviridae sp. ct11L4	1	species	confiable	2825019
92	Myoviridae sp. ctrCp2	1	species	confiable	2825179
93	Myoviridae sp. ctSGr1	1	species	posible	2827609
94	Podoviridae	7232	family	neutral	10744
95	unclassified Podoviridae	7232	no rank	neutral	196895
96	Podoviridae sp.	6969	species	confiable	2202567
97	Podoviridae sp. ctDd04	131	species	confiable	2825232
98	Escherichia phage TL-2011b	30	species	confiable	1124654
99	Podoviridae sp. ctXBg1	13	species	confiable	2827739
100	Podoviridae sp. ct7KI21	2	species	confiable	2826541
101	Klebsiella phage ST11-OXA245phi3.2	1	species	posible	2510477
102	unclassified Caudovirales	2487	no rank	neutral	102294
103	Caudovirales sp.	1907	species	confiable	2202568
104	Caudovirales sp. ct0YK8	214	species	confiable	2826764
105	Enterobacteria phage P4	16	species	confiable	10680
106	Caudovirales sp. ctu3532	3	species	confiable	2827639
107	environmental samples	2	no rank	neutral	2100420
108	uncultured Caudovirales phage	2	species	confiable	2100421
109	Muvirus	7	genus	neutral	186777
110	Muvirus mu	4	species	neutral	10677
111	Escherichia phage Mu	4	no rank	neutral	2681603

## TAXONOMÍA ACYTOTA:

		Lecturas	Rango	Inferencia	Taxid
112	unclassified Muvirus	1	no rank	neutral	483265
113	Yersinia phage vB_YpM_Tongde	1	species	posible	2749429
114	Crassvirales	809	order	neutral	1978007
115	unclassified Crassvirales	606	no rank	neutral	2949298
116	CrAss-like virus sp.	588	species	confiable	2831617
117	CrAssphage sp. C0521BW15	1	species	posible	2780378
118	CrAssphage cat_SB2894	4	species	confiable	2781373
119	Lambdavirus	216	genus	neutral	186765
120	unclassified Lambdavirus	216	no rank	neutral	335795
121	Escherichia phage Lambda_ev017	14	species	confiable	2742949
122	Escherichia phage DN1	3	species	confiable	2024003
123	Enterobacteria phage VT1-Sakai	105	species	confiable	462299
124	Escherichia phage D2	5	species	confiable	2915331
125	Escherichia phage Lambda_ev243	3	species	confiable	2742957
126	Phage 21	2	species	confiable	10743
127	Peduoviridae	394	family	neutral	2946167
128	Wadgaonvirus	133	genus	neutral	2948951
129	Wadgaonvirus wv5004651	133	species	neutral	2956672
130	Escherichia phage 500465-1	133	no rank	neutral	2716351
131	Felsduovirus	42	genus	neutral	2732980
132	unclassified Felsduovirus	42	no rank	neutral	2788182
133	Escherichia phage vB_EcoM-813R9	42	species	confiable	2946098
134	Peduovirus	97	genus	neutral	140410
135	unclassified Peduovirus	97	no rank	neutral	2563343
136	Escherichia phage vB_EcoM-569R9	82	species	confiable	2946080
137	Escherichia phage vB_EcoM-720R8	16	species	confiable	2946095
138	Gemsvirus	101	genus	neutral	2948724
139	Gemsvirus gv5004652	101	species	neutral	2955946
140	Escherichia phage 500465-2	101	no rank	neutral	2716352
141	Herelleviridae	63	family	neutral	2560065
142	unclassified Herelleviridae	63	no rank	neutral	2572872
143	Herelleviridae sp.	63	species	confiable	2831613
144	Ackermannviridae	72	family	neutral	2169529
145	Aglimvirinae	65	subfamily	neutral	2169530
146	unclassified Aglimvirinae	65	no rank	neutral	2562724
147	Dickeya phage phiDP10.3	2	species	confiable	1542132
148	Dickeya phage phiDP23.1	1	species	confiable	1542133
149	unclassified Ackermannviridae	7	no rank	neutral	2175602
150	Ackermannviridae sp.	7	species	confiable	2831612
151	Sepvirinae	340	subfamily	neutral	1981156
152	Oslovirus	333	genus	neutral	1981159
153	unclassified Oslovirus	333	no rank	neutral	2108460
154	Escherichia phage GER2	333	species	neutral	2070178
155	Diegovirus	8	genus	neutral	1981158
156	Punavirus	45	genus	neutral	186789
157	Punavirus P1	27	species	neutral	10678
158	Escherichia phage P1	27	no rank	neutral	2886926
159	Punavirus RCS47	18	species	neutral	2560452
160	Escherichia phage RCS47	18	no rank	neutral	1590550
161	Lederbergvirus	13	genus	neutral	186794
162	unclassified Lederbergvirus	10	no rank	neutral	329158
163	Escherichia phage vB_EcoP-720R6	6	species	confiable	2946101
164	Escherichia phage MSU52-L1	4	species	confiable	1381584
165	Pankowvirus	52	genus	neutral	2843432
166	Pankowvirus pv1717	49	species	neutral	2844169
167	Stx2-converting phage 1717	49	no rank	neutral	563769

**TAXONOMÍA ACYTOTA:**

		<b>Lecturas</b>	<b>Rango</b>	<b>Inferencia</b>	<b>Taxid</b>
168	Peduvirinae	6	subfamily	neutral	857479
169	unclassified Peduvirinae	6	no rank	neutral	2578230
170	Escherichia phage vB_EcoM-569R5	6	species	confiable	2946079
171	Casjensviridae	5	family	neutral	2943001
172	Zierdtviridae	1	family	neutral	2946175
173	Toshachvirinae	1	subfamily	neutral	2946647
174	Ceetrepovirus	1	genus	neutral	2560111
175	Corynebacterium virus Darwin	1	species	neutral	2560394
176	Corynebacterium phage Darwin	1	no rank	neutral	2047869
177	Gordonvirus	1	genus	neutral	1982152
178	Gordonvirus captmurica	1	species	posible	1982153
179	Peploviricota	9	phylum	neutral	2731361
180	Herviviricetes	9	class	neutral	2731363
181	Herpesvirales	9	order	neutral	548681
182	Herpesviridae	9	family	neutral	10292
183	Betaherpesvirinae	8	subfamily	neutral	10357
184	Muromegalovirus	2	genus	neutral	10365
185	Murid betaherpesvirus 1	2	species	posible	10366
186	Murid betaherpesvirus 2	1	species	neutral	28304
187	rat cytomegalovirus strain Maastricht	1	no rank	neutral	79700
188	Cytomegalovirus	7	genus	neutral	10358
189	Cercopithecine betaherpesvirus 5	7	species	neutral	50292
190	Stealth virus 1	7	no rank	neutral	36452
191	Alphaherpesvirinae	1	subfamily	neutral	10293
192	Simplexvirus	1	genus	neutral	10294
193	Papiine alphaherpesvirus 2	1	species	confiable	340907
194	environmental samples	17224	no rank	neutral	186616
195	uncultured human fecal virus	17067	species	confiable	239364
196	uncultured virus	82	species	confiable	340016
197	unclassified bacterial viruses	5382	no rank	neutral	12333
198	Bacteriophage sp.	5289	species	confiable	38018
199	environmental samples	25	no rank	neutral	156614
200	environmental Halophage eHP-11	12	species	confiable	1168813
201	uncultured phage	14	species	confiable	278008
202	virus sp. ctLpa4	17	species	confiable	2825814
203	virus sp. ctReX5	2	species	confiable	2825818
204	virus sp. ctCsQ3	25	species	confiable	2826794
205	virus sp. ctyg714	22	species	confiable	2825830
206	Escherichia phage 503046	1	species	confiable	2716355
207	Monodnaviria	2536	clade	neutral	2731342
208	Sangervirae	1401	kingdom	neutral	2732091
209	Phixviricota	1401	phylum	neutral	2732412
210	Malgrandaviricetes	1401	class	neutral	2732413
211	Petitvirales	1401	order	neutral	2732414
212	Microviridae	1401	family	neutral	10841
213	unclassified Microviridae	1401	no rank	neutral	117574
214	Microviridae sp.	969	species	confiable	2202644
215	Microviridae sp. ctNWS1	61	species	confiable	2826733
216	Microviridae sp. ctbyf5	18	species	confiable	2825004
217	Microviridae sp. ctRQq14	1	species	confiable	2826735
218	Microviridae sp. ctKRd3	6	species	confiable	2827642
219	Microviridae sp. ctC1P1	7	species	confiable	2824988
220	Parabacteroides phage YZ-2015a	2	species	confiable	1655644
221	Tortoise microvirus 40	1	species	posible	2583144
222	Loebvirae	1135	kingdom	neutral	2732090
223	Hofneiviricota	1135	phylum	neutral	2732410

**TAXONOMÍA ACYTOTA:**

		<b>Lecturas</b>	<b>Rango</b>	<b>Inferencia</b>	<b>Taxid</b>
224	Faserviricetes	1135	class	neutral	2732411
225	Tubulavirales	1135	order	neutral	2732094
226	Inoviridae	1135	family	neutral	10860
227	unclassified Inoviridae	1135	no rank	neutral	456491
228	Inoviridae sp.	1135	species	confiable	2219103
229	Shotokuvirae	2	kingdom	neutral	2732092
230	Cossaviricota	2	phylum	neutral	2732415
231	Quintoviricetes	2	class	neutral	2732422
232	Piccovirales	2	order	neutral	2732534
233	Parvoviridae	2	family	neutral	10780
234	Hamaparvovirinae	2	subfamily	neutral	2732887
235	Chaphamaparvovirus	2	genus	neutral	2733231
236	Galliform chaphamaparvovirus 3	2	species	neutral	2734301
237	chicken chapparvovirus HK	2	no rank	neutral	2849623
238	Riboviria	60	clade	neutral	2559587
239	Orthornavirae	60	kingdom	neutral	2732396
240	Pisuviricota	46	phylum	neutral	2732408
241	Pisoniviricetes	13	class	neutral	2732506
242	Picornavirales	10	order	neutral	464095
243	Picornaviridae	10	family	neutral	12058
244	unclassified Picornaviridae	5	no rank	neutral	478825
245	Sichuan tescho-like virus 1	5	species	confiable	2933258
246	Kodimesavirinae	6	subfamily	neutral	2946635
247	Megrivirus	4	genus	neutral	1330069
248	unclassified Megrivirus	4	no rank	neutral	1350000
249	Megrivirus sp.	4	species	confiable	2809560
250	Sobelivirales	4	order	neutral	2732553
251	Sobemoviridae	4	family	neutral	2169577
252	Sobemovirus	4	genus	neutral	12137
253	unclassified Sobemovirus	4	no rank	neutral	502177
254	Sobemovirus sp.	4	species	confiable	2809869
255	Stelpaviricetes	6	class	neutral	2732507
256	Stellavirales	6	order	neutral	2732551
257	Astroviridae	6	family	neutral	39733
258	Mamastrovirus	6	genus	neutral	249588
259	unclassified Mamastrovirus	5	no rank	neutral	526119
260	Sichuan mamastrovirus 12	4	species	confiable	2933219
261	Sichuan mamastrovirus 8	1	species	confiable	2933226
262	Mamastrovirus 3	2	species	confiable	1239567
263	Duplopiviricetes	24	class	neutral	2732505
264	Durnavirales	24	order	neutral	2732549
265	Picobirnaviridae	23	family	neutral	585893
266	unclassified Picobirnaviridae	13	no rank	neutral	1680129
267	Picobirnaviridae sp.	13	species	confiable	2809674
268	Picobirnavirus	10	genus	neutral	104394
269	unclassified Picobirnavirus	10	no rank	neutral	573164
270	Porcine picobirnavirus	6	species	confiable	442302
271	Partitiviridae	1	family	neutral	11012
272	unclassified Partitiviridae	1	no rank	neutral	37960
273	Partitiviridae sp.	1	species	confiable	1955170
274	Lenarviricota	5	phylum	neutral	2732407
275	Howeltoviricetes	3	class	neutral	2732499
276	Cryppavirales	3	order	neutral	2732503
277	Mitoviridae	3	family	neutral	2732892
278	unclassified Mitoviridae	3	no rank	neutral	2788892
279	Mitoviridae sp.	3	species	confiable	2809572



## TAXONOMÍA ACYTOTA:

		Lecturas	Rango	Inferencia	Taxid
280	Leviviricetes	2	class	neutral	2842243
281	Norzivirales	2	order	neutral	2842247
282	Fiersviridae	2	family	neutral	2842319
283	unclassified Fiersviridae	2	no rank	neutral	2852980
284	Leviviridae sp.	2	species	confiable	2027243
285	Duplornaviricota	8	phylum	neutral	2732405
286	Resentoviricetes	8	class	neutral	2732459
287	Reovirales	8	order	neutral	2732541
288	Sedoreoviridae	8	family	neutral	2946186
289	Rotavirus	8	genus	neutral	10912
290	Rotavirus A	8	species	confiable	28875
291	Negarnaviricota	1	phylum	neutral	2497569
292	Polyploviricotina	1	subphylum	neutral	2497571
293	Insthoviricetes	1	class	neutral	2497577
294	Articulavirales	1	order	neutral	2499411
295	Orthomyxoviridae	1	family	neutral	11308
296	Alphainfluenzavirus	1	genus	neutral	197911
297	Influenza A virus	1	species	posible	11320
298	Varidnaviria	1	clade	neutral	2732004
299	Bamfordvirae	1	kingdom	neutral	2732005
300	Nucleocytoviricota	1	phylum	neutral	2732007
301	Megaviricetes	1	class	neutral	2732523
302	Imitervirales	1	order	neutral	2732554
303	Mimiviridae	1	family	neutral	549779
304	unclassified Mimiviridae	1	no rank	neutral	985780
305	Klosneuvirinae	1	subfamily	neutral	1977630
306	Hokovirus	1	genus	neutral	1977636
307	Hokovirus HKV1	1	species	posible	1977638
308	Edafosvirus sp.	1	species	posible	2487765
309	Algavirales	1	order	neutral	2732524
310	Phycodnaviridae	1	family	neutral	10501
311	unclassified Phycodnaviridae	1	no rank	neutral	455363
312	Prymnesium kappa virus	1	species	posible	1499987
313	Pokkesviricetes	1	class	neutral	2732525
314	Chitovirales	1	order	neutral	2732527
315	Poxviridae	1	family	neutral	10240
316	Chordopoxvirinae	1	subfamily	neutral	10241
317	Orthopoxvirus	1	genus	neutral	10242
318	Monkeypox virus	1	species	posible	10244
319	unclassified viruses	1	no rank	neutral	12429
320	unclassified DNA viruses	1	no rank	neutral	2204151
321	unclassified dsDNA viruses	1	no rank	neutral	51368
322	Pandoravirus	1	genus	neutral	2060084
323	Pandoravirus salinus	1	species	posible	1349410
324	Naldaviricetes	1	class	neutral	2840056
325	Lefavirales	1	order	neutral	2840070
326	Baculoviridae	1	family	neutral	10442
327	Alphabaculovirus	1	genus	neutral	558016
328	Cyclophragma undans nucleopolyhedrovirus	1	species	posible	1906244
329	Polydnaviriformidae	1	family	neutral	2946196
330	Ichnoviriform	1	genus	neutral	2948762
331	unclassified Ichnovirus	1	no rank	neutral	327830
332	Apophua simplicipes ichnovirus	1	species	posible	1329648

**TAXONOMÍA EUKARYOTA:**

		Lecturas	Rango	Inferencia	Taxid
1	root	17476	no rank	neutral	1
2	cellular organisms	17476	no rank	neutral	131567
3	Eukaryota	17476	superkingdom	neutral	2759
4	Opisthokonta	17476	clade	neutral	33154
5	Metazoa	17476	kingdom	neutral	33208
6	Eumetazoa	17476	clade	neutral	6072
7	Bilateria	17476	clade	neutral	33213
8	Deuterostomia	17476	clade	neutral	33511
9	Chordata	17476	phylum	neutral	7711
10	Craniata	17476	subphylum	neutral	89593
11	Vertebrata	17476	clade	neutral	7742
12	Gnathostomata	17476	clade	neutral	7776
13	Teleostomi	17476	clade	neutral	117570
14	Euteleostomi	17476	clade	neutral	117571
15	Sarcopterygii	17476	superclass	neutral	8287
16	Dipnotetrapodomorpha	17476	clade	neutral	1338369
17	Tetrapoda	17476	clade	neutral	32523
18	Amniota	17476	clade	neutral	32524
19	Mammalia	17476	class	neutral	40674
20	Theria	17476	clade	neutral	32525
21	Eutheria	17476	clade	neutral	9347
22	Boreoeutheria	17476	clade	neutral	1437010
23	Euarchontoglires	17476	superorder	neutral	314146
24	Primates	17476	order	neutral	9443
25	Haplorrhini	17476	suborder	neutral	376913
26	Simiiformes	17476	infraorder	neutral	314293
27	Catarrhini	17476	parvorder	neutral	9526
28	Hominoidea	17476	superfamily	neutral	314295
29	Hominidae	17476	family	neutral	9604
30	Homininae	17476	subfamily	neutral	207598
31	Homo	17476	genus	neutral	9605
32	Homo sapiens	17476	species	neutral	9606