

2022: Sequencing Projects to Date; Changes Over Time

<http://www.ncbi.nlm.nih.gov/genome/browse/>

| Kingdom | 2012 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | % Increase | |
|-------------|-------|--------|--------|---------|---------|---------|---------|---------|---------|------------|---------|
| | | | | | | | | | | Increase | # 2022 |
| Viruses | 3,197 | 4,931 | 5,856 | 7,322 | 17,835 | 32,428 | 40,981 | 44,764 | 50,787 | 13.5 | 6,023 |
| Prokaryotes | 3,297 | 49,204 | 74,223 | 105,312 | 154,878 | 209,511 | 266,129 | 357,198 | 436,633 | 22.2 | 79,435 |
| Fungi | 355 | 1,164 | 879 | 1,092 | 1,487 | 2,002 | 6,664 | 8,682 | 11,935 | 37.5 | 3,253 |
| Animals | 677 | 660 | 704 | 819 | 1,077 | 1,561 | 3,726 | 7,189 | 9,198 | 27.9 | 2,009 |
| Mammals | | | | 143 | 172 | 359 | 1,081 | 2,009 | 2,441 | 21.5 | 432 |
| Land plants | 458 | 197 | 185 | 233 | 371 | 500 | 1,294 | 1,635 | 2,239 | 36.9 | 604 |
| Green algae | 21 | 18 | 26 | 33 | 45 | 66 | 124 | 153 | 170 | 11.1 | 17 |
| All | 8,005 | 56,174 | 81,873 | 162,932 | 200,003 | 273,327 | 319,999 | 421,630 | 513,403 | 21.8 | 101,631 |

2022: BioProjects; Sequence Data Deposited into NCBI GenBank

<http://www.ncbi.nlm.nih.gov/bioproject>

| Group | 2018 | 2019 | 2020 | 2021 | 2022 | % Increase | |
|-----------|---------|---------|---------|---------|---------|------------|--------|
| | | | | | | Increase | # 2021 |
| Archaea | 1,532 | 1,697 | 1,873 | 2,035 | 2,212 | 8.7 | 162 |
| Bacteria | 73,118 | 83,008 | 93,849 | 102,599 | 111,218 | 8.4 | 8,750 |
| Eukaryota | 162,894 | 193,802 | 232,994 | 268,228 | 307,579 | 14.7 | 35,234 |
| Animals | 100,520 | 117,049 | 135,494 | 159,725 | 187,277 | 17.2 | 24,231 |
| Fungi | 15,980 | 20,376 | 25,335 | 27,722 | 29,753 | 7.3 | 2,387 |
| Others | 534 | 611 | 678 | 742 | 4,811 | 548.4 | 64 |
| Plants | 43,228 | 52,777 | 68,093 | 76,388 | 85,640 | 12.1 | 8,295 |
| Protists | 2,632 | 2,989 | 3,328 | 3,651 | 3,996 | 9.4 | 323 |
| Total | 400,438 | 472,309 | 561,644 | 641,090 | 732,486 | 14.3 | 79,446 |