**Table S1. Shotgun proteomics.** Proteins are sorted by highest mean fold change in MVs from cultures induced with LabIP, relative to non-induced. Values for each replicate represent weighted spectral counts.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATCC 53544 locus | NCFM locus | Uninduced replicate 1 | Uninduced replicate 2 | Uninduced replicate 3 | Induced replicate 1 | Induced replicate 2 | Induced replicate 3 | Fold change replicate 1 | Fold change replicate 2 | Fold change replicate 3 | Fold change average |
| CGZ81\_00695 | Lactacin B | 0.0 | 0.0 | 6.3 | 39.0 | 5.3 | 13.0 | 131.0 | 18.8 | 2.0 | 50.6 |
| CGZ81\_00710 | LabIP | 0.0 | 0.0 | 0.0 | 9.5 | 3.3 | 4.0 | 32.7 | 12.1 | 14.3 | 19.7 |
| CGZ81\_00665 | LBA1791 | 0.0 | 0.0 | 0.0 | 9.0 | 2.7 | 2.3 | 31.0 | 9.9 | 8.8 | 16.6 |
| CGZ81\_00730 | LBA1805 | 0.5 | 0.3 | 0.7 | 21.5 | 8.0 | 6.0 | 27.3 | 13.1 | 6.5 | 15.6 |
| CGZ81\_00715 | LBA1802 | 0.0 | 0.3 | 0.3 | 13.0 | 0.0 | 0.7 | 44.3 | 0.5 | 1.5 | 15.4 |
| CGZ81\_03950 | LBA0444 | 0.0 | 0.0 | 0.0 | 2.0 | 0.7 | 4.3 | 7.7 | 3.2 | 15.4 | 8.8 |
| CGZ81\_02665 | LBA0222 | 0.0 | 0.0 | 0.7 | 0.5 | 4.7 | 0.7 | 2.7 | 16.6 | 1.0 | 6.7 |
| CGZ81\_00205 | LBA1697 | 0.0 | 1.3 | 0.0 | 3.5 | 1.0 | 1.7 | 12.7 | 0.8 | 6.6 | 6.7 |
| CGZ81\_00720 | LBA1803 | 0.0 | 0.0 | 0.0 | 4.0 | 0.3 | 0.7 | 14.3 | 2.1 | 3.2 | 6.6 |
| CGZ81\_07900 | lepA | 0.0 | 2.3 | 0.0 | 3.5 | 0.7 | 0.0 | 12.7 | 0.4 | 1.0 | 4.7 |
| CGZ81\_08900 | galM | 0.0 | 0.0 | 0.0 | 2.5 | 0.3 | 0.3 | 9.3 | 2.1 | 2.1 | 4.5 |
| CGZ81\_07890 | recJ | 0.0 | 1.7 | 0.3 | 3.0 | 0.7 | 0.3 | 11.0 | 0.5 | 1.0 | 4.2 |
| CGZ81\_06650 | hslU | 3.0 | 2.0 | 0.0 | 4.0 | 3.0 | 2.3 | 1.3 | 1.4 | 8.8 | 3.8 |
| CGZ81\_05935 | LBA0837 | 0.0 | 0.0 | 0.0 | 1.5 | 1.0 | 0.0 | 6.0 | 4.3 | 1.0 | 3.8 |
| CGZ81\_02620 | metG | 0.0 | 0.0 | 0.3 | 1.5 | 1.0 | 0.3 | 6.0 | 4.3 | 1.0 | 3.8 |
| CGZ81\_08040 | LBA1276 | 0.0 | 0.0 | 0.0 | 1.0 | 1.3 | 0.0 | 4.3 | 5.4 | 1.0 | 3.6 |
| CGZ81\_03475 | recR | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.3 | 7.7 | 1.0 | 2.1 | 3.6 |
| CGZ81\_02375 | LBA0160 | 0.0 | 1.0 | 0.3 | 2.0 | 0.7 | 0.3 | 7.7 | 0.7 | 1.0 | 3.1 |
| CGZ81\_03305 | radA | 2.0 | 0.0 | 0.0 | 1.0 | 1.3 | 0.7 | 0.6 | 5.4 | 3.2 | 3.1 |
| CGZ81\_01510 | LBA1970 | 0.0 | 0.0 | 0.0 | 1.5 | 0.3 | 0.0 | 6.0 | 2.1 | 1.0 | 3.0 |
| CGZ81\_09600 | pbpX | 0.0 | 0.0 | 0.3 | 0.5 | 1.3 | 0.3 | 2.7 | 5.4 | 1.0 | 3.0 |
| CGZ81\_06545 | rluB | 0.0 | 1.3 | 0.0 | 2.0 | 0.3 | 0.0 | 7.7 | 0.4 | 1.0 | 3.0 |
| CGZ81\_07830 | citX | 0.0 | 1.3 | 0.7 | 2.0 | 0.7 | 0.3 | 7.7 | 0.6 | 0.7 | 3.0 |
| CGZ81\_01035 | LBA1872 | 0.0 | 0.0 | 0.7 | 1.0 | 0.7 | 1.0 | 4.3 | 3.2 | 1.3 | 3.0 |
| CGZ81\_03645 | dinB | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 1.0 | 4.3 | 0.2 | 4.3 | 3.0 |
| CGZ81\_06000 | LBA0850 | 1.0 | 0.0 | 1.0 | 0.5 | 1.2 | 4.0 | 0.6 | 4.9 | 3.3 | 2.9 |
| CGZ81\_04395 | gatB | 1.5 | 2.0 | 0.0 | 0.0 | 1.7 | 2.0 | 0.2 | 0.9 | 7.7 | 2.9 |
| CGZ81\_04470 | LBA0547 | 0.5 | 0.0 | 0.0 | 0.5 | 1.0 | 0.7 | 1.0 | 4.3 | 3.2 | 2.9 |
| CGZ81\_04785 | LBA0608 | 0.0 | 0.0 | 0.0 | 1.0 | 0.7 | 0.0 | 4.3 | 3.2 | 1.0 | 2.9 |
| CGZ81\_06755 | LBA1007 | 0.0 | 0.3 | 0.0 | 0.0 | 0.3 | 1.7 | 1.0 | 1.0 | 6.6 | 2.9 |
| CGZ81\_08300 | folD | 0.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.3 | 4.3 | 2.1 | 2.1 | 2.9 |
| CGZ81\_02480 | pcp | 0.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.3 | 4.3 | 2.1 | 2.1 | 2.9 |
| CGZ81\_07640 | pepT | 0.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.3 | 4.3 | 2.1 | 2.1 | 2.9 |
| CGZ81\_07705 | LBA1204 | 0.0 | 0.7 | 0.3 | 1.5 | 0.7 | 0.7 | 6.0 | 1.0 | 1.5 | 2.8 |
| CGZ81\_06015 | LBA0853 | 0.0 | 0.3 | 0.0 | 0.5 | 0.7 | 1.0 | 2.7 | 1.5 | 4.3 | 2.8 |
| CGZ81\_04965 | ptsI | 0.0 | 2.0 | 0.0 | 1.0 | 1.7 | 0.7 | 4.3 | 0.9 | 3.2 | 2.8 |
| CGZ81\_01020 | pgmB | 0.0 | 1.3 | 0.0 | 1.0 | 1.0 | 0.7 | 4.3 | 0.8 | 3.2 | 2.8 |
| CGZ81\_05060 | LBA0661 | 0.0 | 1.0 | 0.0 | 0.5 | 0.0 | 1.3 | 2.7 | 0.2 | 5.4 | 2.8 |
| CGZ81\_06130 | LBA0876 | 0.0 | 0.3 | 0.7 | 1.5 | 0.7 | 0.3 | 6.0 | 1.5 | 0.7 | 2.7 |
| CGZ81\_02775 | LBA0246 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 6.0 | 1.0 | 1.0 | 2.7 |
| CGZ81\_05200 | LBA0691 | 0.0 | 0.0 | 0.0 | 0.5 | 0.3 | 0.7 | 2.7 | 2.1 | 3.2 | 2.7 |
| CGZ81\_07685 | recO | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 0.0 | 2.7 | 4.3 | 1.0 | 2.7 |
| CGZ81\_04345 | epsU | 0.0 | 0.0 | 0.3 | 1.0 | 0.3 | 0.7 | 4.3 | 2.1 | 1.5 | 2.7 |
| CGZ81\_06020 | dapA | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | 0.4 | 2.1 | 5.4 | 2.6 |
| CGZ81\_03705 | LBA0426 | 0.0 | 0.7 | 0.0 | 1.0 | 0.0 | 0.7 | 4.3 | 0.3 | 3.2 | 2.6 |
| CGZ81\_07790 | LBA1220 | 1.0 | 0.7 | 0.0 | 1.5 | 1.7 | 1.0 | 1.4 | 2.0 | 4.3 | 2.6 |
| CGZ81\_09095 | LBA1498 | 1.0 | 0.7 | 0.0 | 0.5 | 1.3 | 1.3 | 0.6 | 1.7 | 5.4 | 2.6 |
| CGZ81\_02500 | LBA0190 | 1.0 | 0.0 | 0.3 | 2.0 | 1.3 | 0.0 | 1.8 | 5.4 | 0.5 | 2.6 |
| CGZ81\_06120 | LBA0874 | 0.5 | 0.3 | 0.0 | 2.0 | 0.0 | 1.0 | 2.9 | 0.5 | 4.3 | 2.6 |
| CGZ81\_09120 | miaA | 2.5 | 0.0 | 0.0 | 0.0 | 1.0 | 0.7 | 0.1 | 4.3 | 3.2 | 2.6 |
| CGZ81\_01010 | msmK | 0.5 | 0.3 | 0.0 | 2.0 | 0.7 | 0.7 | 2.9 | 1.5 | 3.2 | 2.5 |
| CGZ81\_09655 | leuS | 0.5 | 0.0 | 0.3 | 1.5 | 1.0 | 0.3 | 2.3 | 4.3 | 1.0 | 2.5 |
| CGZ81\_09260 | LBA1531 | 0.0 | 1.0 | 0.0 | 1.5 | 0.3 | 0.0 | 6.0 | 0.5 | 1.0 | 2.5 |
| CGZ81\_00385 | LBA1731 | 0.0 | 1.0 | 0.0 | 1.5 | 0.3 | 0.0 | 6.0 | 0.5 | 1.0 | 2.5 |
| CGZ81\_03155 | rplQ | 0.0 | 0.3 | 0.3 | 1.5 | 0.0 | 0.3 | 6.0 | 0.5 | 1.0 | 2.5 |
| CGZ81\_06610 | LBA0977 | 0.5 | 0.0 | 0.0 | 0.5 | 0.3 | 1.0 | 1.0 | 2.1 | 4.3 | 2.5 |
| CGZ81\_09530 | LBA1591 | 0.5 | 0.0 | 0.3 | 0.5 | 1.0 | 1.0 | 1.0 | 4.3 | 2.1 | 2.5 |
| CGZ81\_06080 | LBA0867 | 0.0 | 0.7 | 0.0 | 1.5 | 0.0 | 0.0 | 6.0 | 0.3 | 1.0 | 2.4 |
| CGZ81\_00770 | LBA1816 | 1.0 | 1.3 | 0.0 | 2.5 | 1.0 | 1.0 | 2.2 | 0.8 | 4.3 | 2.4 |
| CGZ81\_08070 | LBA1282 | 0.0 | 1.0 | 1.0 | 1.5 | 0.7 | 0.3 | 6.0 | 0.7 | 0.5 | 2.4 |
| CGZ81\_04715 | LBA0594 | 0.5 | 0.7 | 0.0 | 1.0 | 2.0 | 0.7 | 1.6 | 2.4 | 3.2 | 2.4 |
| CGZ81\_09350 | purH | 0.0 | 1.0 | 0.0 | 1.0 | 0.7 | 0.3 | 4.3 | 0.7 | 2.1 | 2.4 |
| CGZ81\_04320 | LBA0520 | 1.5 | 0.0 | 0.0 | 3.0 | 1.0 | 0.0 | 1.8 | 4.3 | 1.0 | 2.4 |
| CGZ81\_09340 | polA | 1.0 | 0.3 | 0.3 | 1.5 | 2.3 | 0.7 | 1.4 | 4.2 | 1.5 | 2.4 |
| CGZ81\_03965 | LBA0447 | 1.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.7 | 0.6 | 3.2 | 3.2 | 2.4 |
| CGZ81\_07815 | LBA1229 | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 1.3 | 0.6 | 1.0 | 5.4 | 2.4 |
| CGZ81\_09000 | LBA1478 | 1.0 | 0.0 | 0.0 | 0.5 | 1.3 | 0.0 | 0.6 | 5.4 | 1.0 | 2.4 |
| CGZ81\_01475 | atkY | 0.5 | 0.3 | 0.0 | 1.5 | 0.7 | 0.7 | 2.3 | 1.5 | 3.2 | 2.3 |
| CGZ81\_09280 | rplT | 0.5 | 0.0 | 0.0 | 1.0 | 0.3 | 0.7 | 1.6 | 2.1 | 3.2 | 2.3 |
| CGZ81\_00605 | LBA1780 | 0.0 | 0.0 | 0.3 | 0.0 | 1.3 | 0.0 | 1.0 | 5.4 | 0.5 | 2.3 |
| CGZ81\_01300 | dltA | 0.0 | 0.0 | 0.3 | 0.5 | 0.7 | 0.3 | 2.7 | 3.2 | 1.0 | 2.3 |
| CGZ81\_03385 | LBA0361 | 1.5 | 0.0 | 0.3 | 0.5 | 1.3 | 0.3 | 0.4 | 5.4 | 1.0 | 2.3 |
| CGZ81\_09800 | LBA1639 | 3.5 | 0.3 | 0.0 | 1.5 | 1.0 | 1.0 | 0.5 | 2.1 | 4.3 | 2.3 |
| CGZ81\_02010 | rlmH | 0.0 | 0.3 | 0.0 | 0.5 | 1.0 | 0.3 | 2.7 | 2.1 | 2.1 | 2.3 |
| CGZ81\_00600 | fruR | 0.5 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.4 | 5.4 | 1.0 | 2.3 |
| CGZ81\_01230 | LBA1911 | 1.0 | 0.3 | 0.0 | 1.0 | 1.3 | 0.7 | 1.0 | 2.6 | 3.2 | 2.3 |
| CGZ81\_00425 | LBA1739 | 0.5 | 1.0 | 1.0 | 2.5 | 3.0 | 0.7 | 3.5 | 2.5 | 0.7 | 2.3 |
| CGZ81\_08225 | LBA1315 | 1.0 | 0.0 | 0.0 | 1.5 | 0.7 | 0.3 | 1.4 | 3.2 | 2.1 | 2.2 |
| CGZ81\_04780 | LBA0607 | 0.0 | 0.7 | 0.3 | 1.0 | 0.0 | 1.0 | 4.3 | 0.3 | 2.1 | 2.2 |
| CGZ81\_06845 | LBA1025 | 0.0 | 0.0 | 1.0 | 1.0 | 0.3 | 0.0 | 4.3 | 2.1 | 0.2 | 2.2 |
| CGZ81\_04745 | LBA0600 | 2.5 | 0.3 | 0.0 | 3.5 | 1.0 | 0.7 | 1.4 | 2.1 | 3.2 | 2.2 |
| CGZ81\_02700 | LBA0229 | 0.5 | 0.7 | 0.0 | 2.5 | 0.7 | 0.3 | 3.5 | 1.0 | 2.1 | 2.2 |
| CGZ81\_06675 | xerD | 4.0 | 0.0 | 0.7 | 7.0 | 0.7 | 1.3 | 1.7 | 3.2 | 1.7 | 2.2 |
| CGZ81\_07865 | LBA1239 | 2.5 | 6.3 | 0.0 | 3.5 | 5.7 | 1.0 | 1.4 | 0.9 | 4.3 | 2.2 |
| CGZ81\_03355 | LBA0356 | 0.5 | 1.0 | 0.0 | 2.0 | 0.3 | 0.7 | 2.9 | 0.5 | 3.2 | 2.2 |
| CGZ81\_06300 | LBA0909 | 2.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.1 | 4.3 | 2.1 | 2.2 |
| CGZ81\_01490 | copA | 0.5 | 0.3 | 0.0 | 2.0 | 0.0 | 0.7 | 2.9 | 0.5 | 3.2 | 2.2 |
| CGZ81\_07860 | LBA1238 | 0.0 | 1.0 | 1.7 | 1.5 | 0.0 | 0.3 | 6.0 | 0.2 | 0.3 | 2.2 |
| CGZ81\_04915 | LBA0632 | 2.0 | 0.3 | 0.0 | 2.5 | 0.3 | 1.0 | 1.2 | 1.0 | 4.3 | 2.2 |
| CGZ81\_07545 | mvaD | 0.0 | 0.7 | 0.0 | 0.5 | 0.3 | 0.7 | 2.7 | 0.7 | 3.2 | 2.2 |
| CGZ81\_01825 | LBA0054 | 2.0 | 0.7 | 0.0 | 1.5 | 0.0 | 1.3 | 0.8 | 0.3 | 5.4 | 2.2 |
| CGZ81\_05500 | LBA0754 | 0.5 | 0.3 | 0.0 | 2.0 | 0.7 | 0.3 | 2.9 | 1.5 | 2.1 | 2.2 |
| CGZ81\_05070 | LBA0663 | 1.5 | 0.0 | 0.7 | 1.0 | 1.3 | 0.0 | 0.7 | 5.4 | 0.3 | 2.2 |
| CGZ81\_02570 | pepE | 0.5 | 0.3 | 0.0 | 1.0 | 0.0 | 1.0 | 1.6 | 0.5 | 4.3 | 2.1 |
| CGZ81\_07850 | LBA1236 | 1.0 | 2.0 | 0.0 | 0.5 | 3.0 | 1.0 | 0.6 | 1.4 | 4.3 | 2.1 |
| CGZ81\_03140 | rpsM | 0.0 | 0.0 | 1.7 | 0.5 | 0.7 | 0.7 | 2.7 | 3.2 | 0.5 | 2.1 |
| CGZ81\_01240 | LBA1913 | 3.5 | 0.0 | 0.3 | 2.0 | 0.3 | 2.0 | 0.6 | 2.1 | 3.6 | 2.1 |
| CGZ81\_04790 | LBA0609 | 0.0 | 0.3 | 0.3 | 1.0 | 0.0 | 0.7 | 4.3 | 0.5 | 1.5 | 2.1 |
| CGZ81\_04685 | rpiA | 0.0 | 0.3 | 0.3 | 1.0 | 0.7 | 0.0 | 4.3 | 1.5 | 0.5 | 2.1 |
| CGZ81\_03270 | LBA0340 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 4.3 | 1.0 | 1.0 | 2.1 |
| CGZ81\_03670 | LBA0419 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 4.3 | 1.0 | 1.0 | 2.1 |
| CGZ81\_06790 | LBA1015 | 0.0 | 0.0 | 0.3 | 1.0 | 0.0 | 0.3 | 4.3 | 1.0 | 1.0 | 2.1 |
| CGZ81\_07590 | LBA1178 | 1.0 | 0.7 | 0.0 | 1.0 | 0.7 | 1.0 | 1.0 | 1.0 | 4.3 | 2.1 |
| CGZ81\_09140 | LBA1507 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 4.3 | 1.0 | 2.1 |
| CGZ81\_00080 | LBA1671 | 0.0 | 0.3 | 0.0 | 1.0 | 0.3 | 0.0 | 4.3 | 1.0 | 1.0 | 2.1 |
| CGZ81\_00255 | LBA1706 | 0.0 | 0.3 | 0.0 | 1.0 | 0.3 | 0.0 | 4.3 | 1.0 | 1.0 | 2.1 |
| CGZ81\_09255 | nadD | 1.5 | 0.0 | 0.0 | 1.5 | 0.3 | 0.7 | 1.0 | 2.1 | 3.2 | 2.1 |
| CGZ81\_05820 | sepF | 0.0 | 0.3 | 0.0 | 1.0 | 0.3 | 0.0 | 4.3 | 1.0 | 1.0 | 2.1 |
| CGZ81\_03450 | tadA | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 4.3 | 1.0 | 1.0 | 2.1 |
| CGZ81\_05780 | LBA0805 | 0.5 | 1.0 | 0.7 | 1.5 | 2.3 | 1.7 | 2.3 | 2.0 | 2.0 | 2.1 |
| CGZ81\_08935 | LBA1464 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 4.3 | 1.0 | 1.0 | 2.1 |
| CGZ81\_00010 | LBA1657 | 0.0 | 1.0 | 0.0 | 0.5 | 1.7 | 0.3 | 2.7 | 1.5 | 2.1 | 2.1 |
| CGZ81\_05925 | LBA0835 | 0.0 | 0.0 | 0.3 | 0.5 | 0.0 | 1.3 | 2.7 | 1.0 | 2.6 | 2.1 |
| CGZ81\_02000 | LBA0082 | 2.0 | 0.3 | 0.0 | 3.0 | 1.3 | 0.3 | 1.4 | 2.6 | 2.1 | 2.0 |
| CGZ81\_09180 | pepT | 0.5 | 0.0 | 1.0 | 1.0 | 0.7 | 1.3 | 1.6 | 3.2 | 1.3 | 2.0 |
| CGZ81\_01455 | oppA | 0.5 | 0.3 | 0.7 | 2.0 | 0.7 | 1.3 | 2.9 | 1.5 | 1.7 | 2.0 |
| CGZ81\_02555 | oppC | 0.0 | 1.0 | 1.0 | 1.0 | 0.7 | 1.0 | 4.3 | 0.7 | 1.0 | 2.0 |
| CGZ81\_04340 | rodC | 0.0 | 1.0 | 0.0 | 1.0 | 0.7 | 0.0 | 4.3 | 0.7 | 1.0 | 2.0 |
| CGZ81\_02465 | LBA0183 | 1.5 | 0.3 | 0.0 | 3.0 | 0.3 | 0.7 | 1.8 | 1.0 | 3.2 | 2.0 |
| CGZ81\_03530 | tsaD | 0.5 | 0.0 | 4.3 | 1.0 | 1.0 | 0.0 | 1.6 | 4.3 | 0.1 | 2.0 |
| CGZ81\_02250 | glnQ | 4.5 | 1.3 | 0.0 | 2.0 | 1.7 | 1.0 | 0.5 | 1.2 | 4.3 | 2.0 |
| CGZ81\_06560 | cmk | 1.0 | 0.7 | 0.0 | 1.0 | 0.3 | 1.0 | 1.0 | 0.7 | 4.3 | 2.0 |
| CGZ81\_06870 | LBA1031 | 0.0 | 0.7 | 0.0 | 1.0 | 0.3 | 0.0 | 4.3 | 0.7 | 1.0 | 2.0 |
| CGZ81\_01380 | LBA1942 | 1.5 | 1.0 | 0.0 | 1.0 | 2.3 | 0.7 | 0.7 | 2.0 | 3.2 | 2.0 |
| CGZ81\_07185 | LBA1094 | 0.5 | 1.0 | 0.0 | 0.0 | 1.3 | 1.0 | 0.4 | 1.3 | 4.3 | 2.0 |
| CGZ81\_08540 | pyrB | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 1.0 | 0.6 | 1.0 | 4.3 | 2.0 |
| CGZ81\_09540 | pbpF | 3.5 | 0.7 | 0.0 | 2.0 | 0.7 | 1.0 | 0.6 | 1.0 | 4.3 | 2.0 |
| CGZ81\_06525 | xerD | 0.5 | 0.7 | 0.0 | 2.5 | 0.0 | 0.3 | 3.5 | 0.3 | 2.1 | 2.0 |
| CGZ81\_06320 | LBA0913 | 0.0 | 0.7 | 0.0 | 0.0 | 1.3 | 0.7 | 1.0 | 1.7 | 3.2 | 2.0 |
| CGZ81\_05350 | licT | 0.0 | 0.7 | 0.0 | 0.0 | 1.3 | 0.7 | 1.0 | 1.7 | 3.2 | 2.0 |
| CGZ81\_02335 | phnC | 1.5 | 2.0 | 0.0 | 1.0 | 1.7 | 1.0 | 0.7 | 0.9 | 4.3 | 2.0 |
| CGZ81\_07220 | LBA1101 | 0.5 | 0.3 | 0.0 | 1.5 | 0.7 | 0.3 | 2.3 | 1.5 | 2.1 | 2.0 |
| CGZ81\_04940 | prfC | 0.5 | 0.0 | 0.3 | 1.5 | 0.3 | 0.7 | 2.3 | 2.1 | 1.5 | 2.0 |
| CGZ81\_01195 | LBA1903 | 3.0 | 0.7 | 0.3 | 1.0 | 2.0 | 1.7 | 0.4 | 2.4 | 3.1 | 2.0 |
| CGZ81\_09150 | LBA1509 | 9.0 | 2.0 | 4.3 | 16.0 | 8.3 | 1.3 | 1.8 | 3.8 | 0.4 | 2.0 |
| CGZ81\_07555 | fni | 1.5 | 1.0 | 0.3 | 1.0 | 2.3 | 1.7 | 0.7 | 2.0 | 3.1 | 2.0 |
| CGZ81\_09105 | LBA1500 | 0.5 | 0.0 | 0.3 | 1.0 | 0.7 | 0.3 | 1.6 | 3.2 | 1.0 | 1.9 |
| CGZ81\_04280 | pfoR | 0.5 | 0.0 | 0.3 | 1.0 | 0.7 | 0.3 | 1.6 | 3.2 | 1.0 | 1.9 |
| CGZ81\_09440 | LBA1570 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 3.8 | 1.0 | 1.0 | 1.9 |
| CGZ81\_02140 | LBA0113 | 0.0 | 1.0 | 0.3 | 1.0 | 0.3 | 0.3 | 4.3 | 0.5 | 1.0 | 1.9 |
| CGZ81\_05480 | LBA0750 | 0.0 | 1.0 | 0.0 | 1.0 | 0.3 | 0.0 | 4.3 | 0.5 | 1.0 | 1.9 |
| CGZ81\_01920 | arbZ | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.5 | 4.3 | 1.9 |
| CGZ81\_00215 | exoA | 0.0 | 0.0 | 0.3 | 1.0 | 0.0 | 0.0 | 4.3 | 1.0 | 0.5 | 1.9 |
| CGZ81\_01135 | guaC | 0.5 | 0.3 | 0.0 | 0.5 | 0.0 | 1.0 | 1.0 | 0.5 | 4.3 | 1.9 |
| CGZ81\_02625 | LBA0214 | 0.0 | 0.0 | 0.3 | 0.0 | 1.0 | 0.0 | 1.0 | 4.3 | 0.5 | 1.9 |
| CGZ81\_01410 | nagB | 0.0 | 0.3 | 0.0 | 1.0 | 0.0 | 0.0 | 4.3 | 0.5 | 1.0 | 1.9 |
| CGZ81\_09580 | nnrD | 0.0 | 0.3 | 0.0 | 1.0 | 0.0 | 0.0 | 4.3 | 0.5 | 1.0 | 1.9 |
| CGZ81\_08090 | rplS | 0.0 | 0.3 | 0.0 | 1.0 | 0.0 | 0.0 | 4.3 | 0.5 | 1.0 | 1.9 |
| CGZ81\_05995 | dapF | 0.5 | 0.3 | 0.0 | 1.0 | 1.0 | 0.3 | 1.6 | 2.1 | 2.1 | 1.9 |
| CGZ81\_03615 | mutS | 2.0 | 0.7 | 0.0 | 1.5 | 0.3 | 1.0 | 0.8 | 0.7 | 4.3 | 1.9 |
| CGZ81\_03610 | groL | 3.0 | 3.0 | 2.3 | 10.5 | 6.7 | 0.7 | 3.3 | 2.1 | 0.4 | 1.9 |
| CGZ81\_03735 | LBA0432 | 0.0 | 1.3 | 0.0 | 1.0 | 0.3 | 0.0 | 4.3 | 0.4 | 1.0 | 1.9 |
| CGZ81\_05420 | LBA0740 | 2.0 | 2.3 | 0.0 | 0.0 | 0.0 | 1.3 | 0.1 | 0.1 | 5.4 | 1.9 |
| CGZ81\_07905 | dnaJ | 1.0 | 1.7 | 0.0 | 1.0 | 0.3 | 1.0 | 1.0 | 0.3 | 4.3 | 1.9 |
| CGZ81\_09425 | LBA1567 | 6.0 | 1.7 | 3.0 | 10.5 | 5.7 | 2.7 | 1.7 | 3.0 | 0.9 | 1.9 |
| CGZ81\_06945 | LBA1048 | 0.0 | 0.7 | 0.0 | 1.0 | 0.0 | 0.0 | 4.3 | 0.3 | 1.0 | 1.9 |
| CGZ81\_04100 | LBA0474 | 1.0 | 0.0 | 0.7 | 2.5 | 0.3 | 1.0 | 2.2 | 2.1 | 1.3 | 1.9 |
| CGZ81\_05580 | hemK | 1.0 | 0.0 | 0.0 | 1.5 | 0.7 | 0.0 | 1.4 | 3.2 | 1.0 | 1.9 |
| CGZ81\_04380 | LBA0530 | 1.0 | 0.0 | 0.0 | 1.5 | 0.7 | 0.0 | 1.4 | 3.2 | 1.0 | 1.9 |
| CGZ81\_08030 | LBA1274 | 1.0 | 0.7 | 0.0 | 1.5 | 0.7 | 0.7 | 1.4 | 1.0 | 3.2 | 1.9 |
| CGZ81\_08335 | LBA1339 | 1.0 | 0.0 | 0.0 | 1.5 | 0.3 | 0.3 | 1.4 | 2.1 | 2.1 | 1.9 |
| CGZ81\_05740 | mreB | 1.0 | 0.0 | 0.0 | 1.5 | 0.3 | 0.3 | 1.4 | 2.1 | 2.1 | 1.9 |
| CGZ81\_04420 | LBA0539 | 1.5 | 0.7 | 0.3 | 1.5 | 2.7 | 0.7 | 1.0 | 3.1 | 1.5 | 1.9 |
| CGZ81\_07650 | LBA1192 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.2 | 4.3 | 1.9 |
| CGZ81\_07665 | rpoD | 1.0 | 0.0 | 0.7 | 0.0 | 1.0 | 0.7 | 0.2 | 4.3 | 1.0 | 1.9 |
| CGZ81\_03080 | rplE | 5.0 | 0.3 | 7.3 | 6.5 | 2.3 | 0.3 | 1.3 | 4.2 | 0.1 | 1.8 |
| CGZ81\_03225 | LBA0332 | 1.5 | 0.3 | 0.0 | 2.0 | 0.3 | 0.7 | 1.3 | 1.0 | 3.2 | 1.8 |
| CGZ81\_09470 | LBA1578 | 3.5 | 9.0 | 4.7 | 10.0 | 16.0 | 4.7 | 2.7 | 1.8 | 1.0 | 1.8 |
| CGZ81\_05385 | LBA0733 | 2.0 | 0.0 | 0.0 | 2.5 | 0.7 | 0.0 | 1.2 | 3.2 | 1.0 | 1.8 |
| CGZ81\_09025 | rbsA | 1.5 | 0.0 | 1.7 | 2.5 | 0.7 | 1.0 | 1.6 | 3.2 | 0.7 | 1.8 |
| CGZ81\_09110 | glnA | 1.0 | 0.0 | 0.3 | 0.5 | 0.7 | 0.7 | 0.6 | 3.2 | 1.5 | 1.8 |
| CGZ81\_09810 | LBA1641 | 8.0 | 2.7 | 6.3 | 18.0 | 8.3 | 1.3 | 2.2 | 2.9 | 0.2 | 1.8 |
| CGZ81\_07720 | LBA1207 | 0.5 | 0.0 | 0.0 | 1.5 | 0.0 | 0.3 | 2.3 | 1.0 | 2.1 | 1.8 |
| CGZ81\_01025 | LBA1870 | 0.5 | 0.0 | 0.0 | 1.5 | 0.3 | 0.0 | 2.3 | 2.1 | 1.0 | 1.8 |
| CGZ81\_08050 | LBA1278 | 3.5 | 0.0 | 1.0 | 4.0 | 0.7 | 1.0 | 1.1 | 3.2 | 1.0 | 1.8 |
| CGZ81\_04605 | LBA0571 | 0.5 | 0.0 | 0.3 | 1.0 | 0.7 | 0.0 | 1.6 | 3.2 | 0.5 | 1.8 |
| CGZ81\_01245 | LBA1914 | 3.0 | 1.0 | 0.3 | 2.0 | 1.7 | 1.7 | 0.7 | 1.5 | 3.1 | 1.8 |
| CGZ81\_09610 | LBA1607 | 1.5 | 0.0 | 0.7 | 1.0 | 0.7 | 1.0 | 0.7 | 3.2 | 1.3 | 1.8 |
| CGZ81\_05085 | rny | 0.5 | 1.3 | 0.3 | 1.5 | 3.0 | 0.3 | 2.3 | 2.0 | 1.0 | 1.8 |
| CGZ81\_02865 | LBA0263 | 0.5 | 0.0 | 0.3 | 1.0 | 0.3 | 0.7 | 1.6 | 2.1 | 1.5 | 1.8 |
| CGZ81\_07330 | parC | 1.5 | 0.0 | 0.3 | 0.5 | 1.0 | 0.0 | 0.4 | 4.3 | 0.5 | 1.8 |
| CGZ81\_02255 | LBA0136 | 2.5 | 0.3 | 1.3 | 4.0 | 1.7 | 0.7 | 1.5 | 3.1 | 0.6 | 1.7 |
| CGZ81\_09560 | LBA1598 | 2.0 | 0.0 | 0.3 | 2.0 | 0.7 | 0.3 | 1.0 | 3.2 | 1.0 | 1.7 |
| CGZ81\_07940 | truB | 1.0 | 0.0 | 0.0 | 1.0 | 0.7 | 0.0 | 1.0 | 3.2 | 1.0 | 1.7 |
| CGZ81\_08295 | xseA | 1.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.3 | 1.0 | 2.1 | 2.1 | 1.7 |
| CGZ81\_07840 | LBA1234 | 0.5 | 1.0 | 0.0 | 2.0 | 0.0 | 0.3 | 2.9 | 0.2 | 2.1 | 1.7 |
| CGZ81\_02940 | ftsH | 1.0 | 1.7 | 0.7 | 3.0 | 3.0 | 0.7 | 2.5 | 1.7 | 1.0 | 1.7 |
| CGZ81\_05990 | engB | 0.5 | 3.0 | 0.0 | 0.0 | 1.3 | 1.0 | 0.4 | 0.5 | 4.3 | 1.7 |
| CGZ81\_06060 | LBA0864 | 8.5 | 5.3 | 4.3 | 16.5 | 15.0 | 2.3 | 1.9 | 2.7 | 0.6 | 1.7 |
| CGZ81\_04020 | manN | 1.5 | 0.0 | 0.3 | 0.5 | 0.7 | 0.7 | 0.4 | 3.2 | 1.5 | 1.7 |
| CGZ81\_00405 | epsC | 0.0 | 0.3 | 0.0 | 0.5 | 0.7 | 0.0 | 2.7 | 1.5 | 1.0 | 1.7 |
| CGZ81\_02245 | glnP | 1.0 | 1.3 | 0.3 | 3.0 | 0.7 | 1.0 | 2.5 | 0.6 | 2.1 | 1.7 |
| CGZ81\_08515 | LBA1377 | 1.5 | 1.0 | 0.0 | 2.0 | 2.0 | 0.3 | 1.3 | 1.8 | 2.1 | 1.7 |
| CGZ81\_05100 | LBA0670 | 2.0 | 1.0 | 0.3 | 1.5 | 1.3 | 1.7 | 0.8 | 1.3 | 3.1 | 1.7 |
| CGZ81\_02475 | gpmA | 9.5 | 0.0 | 26.3 | 18.0 | 0.7 | 1.0 | 1.9 | 3.2 | 0.0 | 1.7 |
| CGZ81\_03465 | tnpB | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 3.1 | 1.0 | 1.0 | 1.7 |
| CGZ81\_08390 | LBA1350 | 0.5 | 2.0 | 0.3 | 0.5 | 2.0 | 1.7 | 1.0 | 1.0 | 3.1 | 1.7 |
| CGZ81\_01130 | purA | 0.0 | 1.0 | 2.0 | 1.0 | 0.3 | 0.3 | 4.3 | 0.5 | 0.3 | 1.7 |
| CGZ81\_06435 | LBA0940 | 0.0 | 0.0 | 0.7 | 0.5 | 0.3 | 0.0 | 2.7 | 2.1 | 0.3 | 1.7 |
| CGZ81\_02955 | lysS | 1.0 | 0.0 | 0.3 | 1.5 | 0.7 | 0.0 | 1.4 | 3.2 | 0.5 | 1.7 |
| CGZ81\_08620 | sdhA | 1.0 | 0.7 | 0.7 | 1.0 | 1.0 | 2.3 | 1.0 | 1.3 | 2.7 | 1.7 |
| CGZ81\_08140 | smc | 6.5 | 2.0 | 2.7 | 13.0 | 5.3 | 1.7 | 2.0 | 2.4 | 0.7 | 1.7 |
| CGZ81\_06025 | dapB | 0.5 | 0.3 | 0.0 | 0.0 | 1.3 | 0.3 | 0.4 | 2.6 | 2.1 | 1.7 |
| CGZ81\_09015 | rbsB | 0.5 | 0.3 | 0.3 | 0.0 | 1.7 | 0.7 | 0.4 | 3.1 | 1.5 | 1.7 |
| CGZ81\_06180 | LBA0886 | 0.0 | 1.7 | 0.3 | 0.5 | 2.3 | 0.3 | 2.7 | 1.3 | 1.0 | 1.7 |
| CGZ81\_02675 | prsA | 0.0 | 0.3 | 1.3 | 0.5 | 0.7 | 1.0 | 2.7 | 1.5 | 0.8 | 1.7 |
| CGZ81\_03245 | LBA0335 | 1.0 | 0.0 | 0.3 | 0.0 | 0.7 | 0.7 | 0.2 | 3.2 | 1.5 | 1.7 |
| CGZ81\_04070 | LBA0466 | 0.5 | 1.0 | 0.0 | 0.5 | 0.7 | 0.7 | 1.0 | 0.7 | 3.2 | 1.7 |
| CGZ81\_01525 | LBA1973 | 1.0 | 0.3 | 0.0 | 1.5 | 1.3 | 0.0 | 1.4 | 2.6 | 1.0 | 1.7 |
| CGZ81\_01295 | dltB | 0.0 | 1.3 | 0.0 | 0.5 | 0.0 | 0.3 | 2.7 | 0.2 | 2.1 | 1.7 |
| CGZ81\_06465 | obg | 3.5 | 1.0 | 0.0 | 2.5 | 1.0 | 0.7 | 0.7 | 1.0 | 3.2 | 1.7 |
| CGZ81\_05425 | ackB | 1.5 | 0.3 | 0.0 | 1.0 | 0.3 | 0.7 | 0.7 | 1.0 | 3.2 | 1.6 |
| CGZ81\_08550 | pyrD | 1.0 | 0.0 | 0.7 | 1.5 | 0.7 | 0.0 | 1.4 | 3.2 | 0.3 | 1.6 |
| CGZ81\_05975 | tuf | 14.5 | 2.3 | 15.7 | 11.5 | 9.7 | 5.0 | 0.8 | 3.8 | 0.3 | 1.6 |
| CGZ81\_03025 | rplD | 1.5 | 0.3 | 0.7 | 3.0 | 1.0 | 0.7 | 1.8 | 2.1 | 1.0 | 1.6 |
| CGZ81\_05590 | upp | 1.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.3 | 1.8 | 1.0 | 2.1 | 1.6 |
| CGZ81\_05890 | LBA0827 | 0.0 | 0.7 | 0.0 | 0.0 | 0.3 | 0.7 | 1.0 | 0.7 | 3.2 | 1.6 |
| CGZ81\_09460 | LBA1575 | 1.0 | 0.7 | 0.0 | 1.0 | 0.3 | 0.7 | 1.0 | 0.7 | 3.2 | 1.6 |
| CGZ81\_01605 | LBA0011 | 0.5 | 0.3 | 1.0 | 2.0 | 0.3 | 1.0 | 2.9 | 1.0 | 1.0 | 1.6 |
| CGZ81\_08780 | LBA1429 | 0.5 | 0.0 | 0.3 | 2.0 | 0.0 | 0.3 | 2.9 | 1.0 | 1.0 | 1.6 |
| CGZ81\_05115 | secA | 3.5 | 1.0 | 0.7 | 2.0 | 0.3 | 3.3 | 0.6 | 0.5 | 3.8 | 1.6 |
| CGZ81\_00700 | LBA1798 | 1.0 | 0.0 | 0.3 | 0.5 | 0.7 | 0.3 | 0.6 | 3.2 | 1.0 | 1.6 |
| CGZ81\_04325 | nadC | 1.0 | 0.3 | 0.0 | 0.5 | 0.3 | 0.7 | 0.6 | 1.0 | 3.2 | 1.6 |
| CGZ81\_08825 | melA | 3.0 | 2.7 | 0.7 | 3.0 | 3.0 | 2.3 | 1.0 | 1.1 | 2.7 | 1.6 |
| CGZ81\_07580 | LBA1176 | 0.5 | 0.3 | 0.0 | 1.5 | 0.0 | 0.3 | 2.3 | 0.5 | 2.1 | 1.6 |
| CGZ81\_02985 | rpoB | 1.5 | 2.0 | 0.7 | 5.0 | 1.7 | 0.7 | 2.9 | 0.9 | 1.0 | 1.6 |
| NA | slpA | 0.3 | 0.0 | 0.0 | 0.5 | 0.0 | 0.4 | 1.4 | 1.0 | 2.4 | 1.6 |
| CGZ81\_05330 | LBA0718 | 0.2 | 0.3 | 0.3 | 1.5 | 0.0 | 0.3 | 3.3 | 0.5 | 1.0 | 1.6 |
| CGZ81\_07325 | parE | 1.0 | 1.7 | 0.7 | 3.5 | 0.7 | 1.0 | 2.9 | 0.5 | 1.3 | 1.6 |
| CGZ81\_05910 | bipA | 3.0 | 0.3 | 9.0 | 5.0 | 1.7 | 0.0 | 1.6 | 3.1 | 0.0 | 1.6 |
| CGZ81\_04620 | LBA0574 | 0.5 | 0.0 | 0.0 | 1.0 | 0.3 | 0.0 | 1.6 | 2.1 | 1.0 | 1.6 |
| CGZ81\_07745 | LBA1212 | 0.5 | 0.0 | 0.3 | 1.0 | 0.3 | 0.3 | 1.6 | 2.1 | 1.0 | 1.6 |
| CGZ81\_00615 | LBA1783 | 0.5 | 0.0 | 0.0 | 1.0 | 0.0 | 0.3 | 1.6 | 1.0 | 2.1 | 1.6 |
| CGZ81\_00905 | LBA1845 | 0.5 | 0.0 | 0.0 | 1.0 | 0.0 | 0.3 | 1.6 | 1.0 | 2.1 | 1.6 |
| CGZ81\_05220 | LBA0695 | 26.5 | 45.7 | 24.0 | 48.0 | 79.7 | 28.7 | 1.8 | 1.7 | 1.2 | 1.6 |
| CGZ81\_02905 | ldh1 | 5.0 | 0.3 | 0.0 | 5.5 | 0.7 | 0.3 | 1.1 | 1.5 | 2.1 | 1.6 |
| CGZ81\_09570 | argS | 0.5 | 0.7 | 1.7 | 0.5 | 2.7 | 1.0 | 1.0 | 3.1 | 0.7 | 1.6 |
| CGZ81\_04370 | pcrA | 2.5 | 1.3 | 1.0 | 4.0 | 2.0 | 2.0 | 1.5 | 1.4 | 1.8 | 1.6 |
| CGZ81\_03490 | LBA0382 | 0.0 | 1.0 | 0.0 | 0.0 | 0.3 | 0.7 | 1.0 | 0.5 | 3.2 | 1.6 |
| CGZ81\_01695 | LBA0029 | 1.0 | 1.0 | 0.0 | 0.0 | 1.3 | 0.7 | 0.2 | 1.3 | 3.2 | 1.6 |
| CGZ81\_02540 | oppA | 3.0 | 2.3 | 1.3 | 4.5 | 1.3 | 4.0 | 1.5 | 0.6 | 2.6 | 1.6 |
| CGZ81\_08275 | recN | 1.0 | 1.3 | 0.0 | 1.5 | 1.7 | 0.3 | 1.4 | 1.2 | 2.1 | 1.6 |
| CGZ81\_06800 | LBA1017 | 1.0 | 0.3 | 0.0 | 1.0 | 0.0 | 0.7 | 1.0 | 0.5 | 3.2 | 1.6 |
| CGZ81\_09650 | LBA1616 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.7 | 1.0 | 0.5 | 3.2 | 1.6 |
| CGZ81\_08035 | pepO | 2.0 | 0.0 | 0.3 | 2.0 | 0.7 | 0.0 | 1.0 | 3.2 | 0.5 | 1.6 |
| CGZ81\_06960 | LBA1050 | 1.5 | 0.3 | 0.0 | 3.5 | 0.0 | 0.3 | 2.1 | 0.5 | 2.1 | 1.6 |
| CGZ81\_00135 | pacL | 2.5 | 2.0 | 0.3 | 4.0 | 1.0 | 1.3 | 1.5 | 0.6 | 2.6 | 1.6 |
| CGZ81\_03655 | LBA0416 | 0.5 | 0.3 | 0.3 | 1.0 | 1.0 | 0.3 | 1.6 | 2.1 | 1.0 | 1.6 |
| CGZ81\_09520 | LBA1589 | 1.5 | 0.0 | 0.0 | 0.5 | 0.7 | 0.0 | 0.4 | 3.2 | 1.0 | 1.6 |
| CGZ81\_07870 | citG | 0.0 | 0.7 | 0.3 | 0.5 | 0.7 | 0.3 | 2.7 | 1.0 | 1.0 | 1.6 |
| CGZ81\_08995 | LBA1477 | 0.0 | 0.7 | 0.3 | 0.5 | 0.7 | 0.3 | 2.7 | 1.0 | 1.0 | 1.6 |
| CGZ81\_00865 | LBA1837 | 0.0 | 0.7 | 0.0 | 0.5 | 0.7 | 0.0 | 2.7 | 1.0 | 1.0 | 1.6 |
| CGZ81\_05720 | valS | 2.0 | 1.7 | 1.3 | 4.5 | 2.0 | 2.0 | 2.1 | 1.2 | 1.4 | 1.6 |
| CGZ81\_00910 | LBA1846 | 2.0 | 0.7 | 0.0 | 1.5 | 0.3 | 0.7 | 0.8 | 0.7 | 3.2 | 1.6 |
| CGZ81\_03180 | rplM | 3.5 | 1.3 | 0.0 | 4.0 | 2.0 | 0.3 | 1.1 | 1.4 | 2.1 | 1.6 |
| CGZ81\_06365 | LBA0923 | 1.0 | 0.7 | 0.3 | 2.0 | 1.0 | 0.7 | 1.8 | 1.3 | 1.5 | 1.5 |
| CGZ81\_06720 | recQ | 2.0 | 2.0 | 1.0 | 4.0 | 2.0 | 2.0 | 1.9 | 1.0 | 1.8 | 1.5 |
| CGZ81\_06930 | LBA1045 | 1.5 | 0.3 | 0.0 | 1.5 | 0.7 | 0.3 | 1.0 | 1.5 | 2.1 | 1.5 |
| CGZ81\_00235 | rpiR | 2.5 | 1.3 | 0.7 | 3.0 | 0.3 | 2.7 | 1.2 | 0.4 | 3.1 | 1.5 |
| CGZ81\_05170 | LBA0685 | 1.5 | 1.0 | 0.3 | 3.0 | 0.7 | 1.0 | 1.8 | 0.7 | 2.1 | 1.5 |
| CGZ81\_06295 | LBA0908 | 1.0 | 1.3 | 0.7 | 2.5 | 2.7 | 0.3 | 2.2 | 1.8 | 0.7 | 1.5 |
| CGZ81\_09115 | LBA1502 | 1.5 | 0.3 | 0.0 | 0.5 | 1.0 | 0.3 | 0.4 | 2.1 | 2.1 | 1.5 |
| CGZ81\_08575 | LBA1389 | 2.5 | 2.3 | 0.3 | 2.5 | 1.0 | 1.7 | 1.0 | 0.5 | 3.1 | 1.5 |
| CGZ81\_02305 | LBA0145 | 0.5 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.4 | 3.2 | 1.0 | 1.5 |
| CGZ81\_06615 | LBA0978 | 0.5 | 0.7 | 0.0 | 0.0 | 0.7 | 0.7 | 0.4 | 1.0 | 3.2 | 1.5 |
| CGZ81\_07050 | LBA1068 | 0.5 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.4 | 3.2 | 1.0 | 1.5 |
| CGZ81\_02615 | LBA0212 | 2.0 | 1.3 | 0.0 | 1.5 | 0.7 | 0.7 | 0.8 | 0.6 | 3.2 | 1.5 |
| CGZ81\_06620 | rnhB | 0.5 | 1.0 | 0.0 | 1.5 | 0.0 | 0.3 | 2.3 | 0.2 | 2.1 | 1.5 |
| CGZ81\_09100 | LBA1499 | 0.5 | 2.0 | 0.0 | 1.0 | 1.7 | 0.3 | 1.6 | 0.9 | 2.1 | 1.5 |
| CGZ81\_01800 | LBA0049 | 1.0 | 0.3 | 0.3 | 1.0 | 0.0 | 1.7 | 1.0 | 0.5 | 3.1 | 1.5 |
| CGZ81\_02265 | LBA0138 | 1.0 | 0.3 | 0.3 | 1.0 | 1.0 | 0.7 | 1.0 | 2.1 | 1.5 | 1.5 |
| CGZ81\_07715 | LBA1206 | 0.5 | 1.3 | 0.3 | 1.0 | 2.0 | 0.7 | 1.6 | 1.4 | 1.5 | 1.5 |
| CGZ81\_07440 | LBA1149 | 2.0 | 0.3 | 0.7 | 1.5 | 1.7 | 0.3 | 0.8 | 3.1 | 0.7 | 1.5 |
| CGZ81\_02950 | LBA0280 | 1.0 | 0.3 | 0.7 | 0.5 | 1.3 | 1.0 | 0.6 | 2.6 | 1.3 | 1.5 |
| CGZ81\_02280 | LBA0141 | 0.5 | 1.3 | 0.0 | 1.0 | 1.0 | 0.3 | 1.6 | 0.8 | 2.1 | 1.5 |
| CGZ81\_04255 | bfrA | 0.5 | 0.7 | 0.3 | 2.0 | 0.3 | 0.3 | 2.9 | 0.7 | 1.0 | 1.5 |
| CGZ81\_02360 | LBA0157 | 0.5 | 3.3 | 0.0 | 2.0 | 2.0 | 0.0 | 2.9 | 0.6 | 1.0 | 1.5 |
| CGZ81\_02295 | LBA0143 | 1.0 | 0.3 | 0.0 | 1.5 | 0.3 | 0.3 | 1.4 | 1.0 | 2.1 | 1.5 |
| CGZ81\_05855 | LBA0820 | 1.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.3 | 1.4 | 1.0 | 2.1 | 1.5 |
| CGZ81\_07780 | LBA1218 | 2.0 | 0.3 | 0.3 | 3.0 | 1.3 | 0.0 | 1.4 | 2.6 | 0.5 | 1.5 |
| CGZ81\_01625 | LBA0015 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.2 | 1.0 | 3.2 | 1.5 |
| CGZ81\_05235 | LBA0697 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.2 | 1.0 | 3.2 | 1.5 |
| CGZ81\_09835 | LBA1646 | 1.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.2 | 3.2 | 1.0 | 1.5 |
| CGZ81\_00225 | LBA1701 | 1.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.2 | 3.2 | 1.0 | 1.5 |
| CGZ81\_06380 | LBA0927 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.2 | 2.1 | 2.1 | 1.5 |
| CGZ81\_09845 | LBA1648 | 2.0 | 0.7 | 0.3 | 2.5 | 0.3 | 1.3 | 1.2 | 0.7 | 2.6 | 1.5 |
| CGZ81\_09630 | LBA1612 | 2.0 | 1.7 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.7 | 1.8 | 1.5 |
| CGZ81\_01735 | LBA0036 | 1.0 | 2.0 | 0.0 | 2.0 | 1.0 | 0.3 | 1.8 | 0.6 | 2.1 | 1.5 |
| CGZ81\_02705 | LBA0230 | 1.0 | 0.3 | 0.0 | 1.5 | 1.0 | 0.0 | 1.4 | 2.1 | 1.0 | 1.5 |
| CGZ81\_04895 | hmcS | 2.0 | 0.3 | 0.7 | 0.5 | 1.0 | 1.7 | 0.3 | 2.1 | 2.0 | 1.5 |
| CGZ81\_03405 | pstB2 | 0.5 | 0.3 | 0.7 | 1.5 | 0.7 | 0.3 | 2.3 | 1.5 | 0.7 | 1.5 |
| CGZ81\_02980 | clpC | 2.5 | 1.7 | 0.7 | 4.5 | 1.0 | 1.7 | 1.7 | 0.7 | 2.0 | 1.5 |
| CGZ81\_07675 | glyS | 2.5 | 2.0 | 0.0 | 1.0 | 1.3 | 0.7 | 0.5 | 0.7 | 3.2 | 1.5 |
| CGZ81\_01760 | rtpR | 1.0 | 2.0 | 1.0 | 3.0 | 1.7 | 1.0 | 2.5 | 0.9 | 1.0 | 1.5 |
| CGZ81\_08445 | lacA | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.2 | 1.0 | 3.2 | 1.5 |
| CGZ81\_05355 | LBA0725 | 1.5 | 0.7 | 0.7 | 1.5 | 1.0 | 1.7 | 1.0 | 1.3 | 2.0 | 1.5 |
| CGZ81\_06860 | LBA1029 | 1.5 | 6.7 | 2.7 | 3.0 | 14.3 | 1.0 | 1.8 | 2.1 | 0.4 | 1.5 |
| CGZ81\_06155 | LBA0881 | 2.0 | 0.3 | 0.0 | 1.5 | 1.3 | 0.0 | 0.8 | 2.6 | 1.0 | 1.5 |
| CGZ81\_09165 | LBA1512 | 2.0 | 1.0 | 0.7 | 4.5 | 1.3 | 0.7 | 2.1 | 1.3 | 1.0 | 1.4 |
| CGZ81\_05585 | LBA0769 | 1.0 | 0.3 | 0.0 | 0.0 | 1.7 | 0.0 | 0.2 | 3.1 | 1.0 | 1.4 |
| CGZ81\_01985 | LBA0079 | 1.5 | 1.3 | 0.0 | 1.0 | 0.3 | 0.7 | 0.7 | 0.4 | 3.2 | 1.4 |
| CGZ81\_05525 | LBA0757 | 1.5 | 1.7 | 0.0 | 0.5 | 1.0 | 0.7 | 0.4 | 0.7 | 3.2 | 1.4 |
| CGZ81\_02915 | trcF | 0.5 | 1.3 | 0.7 | 1.5 | 0.3 | 1.3 | 2.3 | 0.4 | 1.7 | 1.4 |
| CGZ81\_06770 | LBA1011 | 0.5 | 2.7 | 0.3 | 1.5 | 1.3 | 0.7 | 2.3 | 0.6 | 1.5 | 1.4 |
| CGZ81\_03620 | mutL | 3.5 | 1.7 | 0.0 | 2.0 | 0.7 | 0.7 | 0.6 | 0.5 | 3.2 | 1.4 |
| CGZ81\_01860 | LBA0060 | 1.5 | 0.7 | 0.7 | 2.0 | 1.7 | 0.7 | 1.3 | 2.0 | 1.0 | 1.4 |
| CGZ81\_05620 | atpG | 1.0 | 1.3 | 0.0 | 1.5 | 1.0 | 0.3 | 1.4 | 0.8 | 2.1 | 1.4 |
| CGZ81\_02190 | epsV | 2.0 | 1.0 | 0.0 | 3.0 | 0.7 | 0.3 | 1.4 | 0.7 | 2.1 | 1.4 |
| CGZ81\_09090 | LBA1497 | 3.0 | 0.3 | 0.0 | 2.0 | 1.3 | 0.0 | 0.7 | 2.6 | 1.0 | 1.4 |
| CGZ81\_01280 | LBA1922 | 2.0 | 0.7 | 0.3 | 2.5 | 0.7 | 1.0 | 1.2 | 1.0 | 2.1 | 1.4 |
| CGZ81\_00170 | LBA1690 | 43.0 | 3.0 | 11.3 | 37.0 | 10.0 | 3.0 | 0.9 | 3.1 | 0.3 | 1.4 |
| CGZ81\_08400 | LBA1352 | 2.0 | 1.3 | 0.3 | 3.5 | 2.3 | 0.3 | 1.7 | 1.6 | 1.0 | 1.4 |
| CGZ81\_06690 | pepD | 0.0 | 1.3 | 0.3 | 0.5 | 0.7 | 0.3 | 2.7 | 0.6 | 1.0 | 1.4 |
| CGZ81\_04740 | LBA0599 | 1.0 | 0.7 | 0.3 | 1.5 | 1.0 | 0.7 | 1.4 | 1.3 | 1.5 | 1.4 |
| CGZ81\_00920 | dtpT | 1.0 | 0.3 | 0.0 | 0.5 | 0.7 | 0.3 | 0.6 | 1.5 | 2.1 | 1.4 |
| CGZ81\_08715 | LBA1416 | 0.5 | 0.3 | 0.3 | 1.5 | 0.7 | 0.0 | 2.3 | 1.5 | 0.5 | 1.4 |
| CGZ81\_07755 | LBA1215 | 0.0 | 1.7 | 0.7 | 0.5 | 1.5 | 0.3 | 2.7 | 0.9 | 0.7 | 1.4 |
| CGZ81\_08470 | celB | 1.0 | 1.0 | 0.0 | 1.5 | 0.7 | 0.3 | 1.4 | 0.7 | 2.1 | 1.4 |
| CGZ81\_07895 | srtA | 2.0 | 0.0 | 1.0 | 0.5 | 0.3 | 2.0 | 0.3 | 2.1 | 1.8 | 1.4 |
| CGZ81\_00870 | LBA1838 | 0.0 | 0.7 | 0.3 | 0.0 | 1.3 | 0.7 | 1.0 | 1.7 | 1.5 | 1.4 |
| CGZ81\_04950 | clpE | 3.5 | 1.3 | 0.0 | 2.0 | 0.3 | 0.7 | 0.6 | 0.4 | 3.2 | 1.4 |
| CGZ81\_04195 | LBA0492 | 0.5 | 0.0 | 0.3 | 1.0 | 0.3 | 0.0 | 1.6 | 2.1 | 0.5 | 1.4 |
| CGZ81\_07800 | LBA1225 | 0.5 | 0.0 | 0.3 | 1.0 | 0.3 | 0.0 | 1.6 | 2.1 | 0.5 | 1.4 |
| CGZ81\_09465 | LBA1577 | 1.0 | 0.3 | 0.0 | 0.5 | 1.3 | 0.0 | 0.6 | 2.6 | 1.0 | 1.4 |
| CGZ81\_07175 | ppc | 1.5 | 0.3 | 0.7 | 3.0 | 0.3 | 1.0 | 1.8 | 1.0 | 1.3 | 1.4 |
| CGZ81\_05985 | clpX | 1.5 | 0.7 | 0.0 | 1.0 | 1.0 | 0.3 | 0.7 | 1.3 | 2.1 | 1.4 |
| CGZ81\_01335 | LBA1932 | 1.5 | 1.3 | 0.0 | 0.5 | 2.3 | 0.3 | 0.4 | 1.6 | 2.1 | 1.4 |
| CGZ81\_02895 | alr | 0.5 | 1.0 | 0.3 | 1.0 | 1.0 | 0.7 | 1.6 | 1.0 | 1.5 | 1.4 |
| CGZ81\_07750 | thrC | 2.0 | 0.3 | 0.7 | 1.0 | 1.3 | 0.7 | 0.6 | 2.6 | 1.0 | 1.4 |
| CGZ81\_08635 | oppA | 4.0 | 2.3 | 0.7 | 2.5 | 2.8 | 2.0 | 0.7 | 1.2 | 2.3 | 1.4 |
| CGZ81\_00565 | LBA1772 | 1.5 | 0.3 | 0.0 | 0.5 | 0.0 | 0.7 | 0.4 | 0.5 | 3.2 | 1.4 |
| CGZ81\_01935 | arbx | 1.0 | 0.3 | 0.0 | 1.0 | 0.3 | 0.3 | 1.0 | 1.0 | 2.1 | 1.4 |
| CGZ81\_03685 | LBA0422 | 1.0 | 0.3 | 0.0 | 1.0 | 0.3 | 0.3 | 1.0 | 1.0 | 2.1 | 1.4 |
| CGZ81\_03725 | LBA0430 | 1.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.0 | 1.0 | 2.1 | 1.0 | 1.4 |
| CGZ81\_05225 | LBA0696 | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.7 | 1.0 | 2.1 | 1.0 | 1.4 |
| CGZ81\_07825 | LBA1231 | 0.0 | 0.7 | 0.0 | 0.0 | 0.7 | 0.3 | 1.0 | 1.0 | 2.1 | 1.4 |
| CGZ81\_07340 | ppaC | 0.0 | 0.7 | 0.0 | 0.0 | 0.7 | 0.3 | 1.0 | 1.0 | 2.1 | 1.4 |
| CGZ81\_05030 | pthA | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.3 | 1.0 | 1.0 | 2.1 | 1.4 |
| CGZ81\_01165 | frnE | 4.5 | 1.0 | 2.7 | 8.5 | 0.3 | 5.0 | 1.8 | 0.5 | 1.8 | 1.4 |
| CGZ81\_02505 | LBA0191 | 69.0 | 24.0 | 45.7 | 79.5 | 58.7 | 24.0 | 1.2 | 2.4 | 0.5 | 1.4 |
| CGZ81\_04760 | LBA0603 | 0.0 | 2.0 | 0.0 | 0.5 | 0.7 | 0.0 | 2.7 | 0.4 | 1.0 | 1.4 |
| CGZ81\_08565 | pyrE | 2.0 | 0.3 | 0.0 | 4.5 | 0.3 | 0.0 | 2.1 | 1.0 | 1.0 | 1.4 |
| CGZ81\_03095 | rplF | 1.5 | 0.0 | 0.3 | 2.5 | 0.0 | 0.7 | 1.6 | 1.0 | 1.5 | 1.4 |
| CGZ81\_08340 | LBA1340 | 1.5 | 0.3 | 0.0 | 0.5 | 0.7 | 0.3 | 0.4 | 1.5 | 2.1 | 1.4 |
| CGZ81\_05305 | potD | 1.0 | 1.0 | 0.0 | 0.5 | 0.0 | 0.7 | 0.6 | 0.2 | 3.2 | 1.4 |
| CGZ81\_06505 | LBA0955 | 1.5 | 1.0 | 1.0 | 2.5 | 1.7 | 1.0 | 1.6 | 1.5 | 1.0 | 1.4 |
| CGZ81\_06705 | LBA0997 | 3.0 | 3.0 | 0.0 | 1.5 | 0.7 | 0.7 | 0.5 | 0.3 | 3.2 | 1.4 |
| CGZ81\_08450 | LBA1365 | 0.5 | 1.7 | 0.0 | 1.0 | 0.3 | 0.3 | 1.6 | 0.3 | 2.1 | 1.4 |
| CGZ81\_04465 | LBA0546 | 0.0 | 1.3 | 0.3 | 0.5 | 0.3 | 0.3 | 2.7 | 0.4 | 1.0 | 1.4 |
| NA | gltX | 1.5 | 0.3 | 0.3 | 1.5 | 0.7 | 0.7 | 1.0 | 1.5 | 1.5 | 1.4 |
| CGZ81\_03955 | LBA0445 | 1.5 | 0.3 | 0.3 | 1.5 | 0.3 | 1.0 | 1.0 | 1.0 | 2.1 | 1.4 |
| CGZ81\_06445 | LBA0942 | 1.5 | 0.3 | 0.3 | 1.5 | 0.3 | 1.0 | 1.0 | 1.0 | 2.1 | 1.4 |
| CGZ81\_02840 | LBA0258 | 0.5 | 2.0 | 0.3 | 1.5 | 0.3 | 0.7 | 2.3 | 0.3 | 1.5 | 1.4 |
| CGZ81\_00800 | LBA1822 | 2.0 | 0.0 | 0.3 | 0.5 | 0.7 | 0.0 | 0.3 | 3.2 | 0.5 | 1.3 |
| CGZ81\_05185 | uvrB | 1.0 | 0.7 | 0.3 | 1.0 | 1.7 | 0.3 | 1.0 | 2.0 | 1.0 | 1.3 |
| CGZ81\_08525 | carB | 3.5 | 2.0 | 0.3 | 0.5 | 1.3 | 1.7 | 0.2 | 0.7 | 3.1 | 1.3 |
| CGZ81\_06115 | LBA0873 | 1.5 | 0.3 | 0.3 | 0.5 | 1.7 | 0.0 | 0.4 | 3.1 | 0.5 | 1.3 |
| CGZ81\_05690 | ezrA | 2.0 | 0.0 | 0.7 | 1.0 | 0.3 | 1.0 | 0.6 | 2.1 | 1.3 | 1.3 |
| CGZ81\_04055 | ackA | 2.5 | 0.0 | 1.7 | 1.5 | 0.7 | 0.0 | 0.6 | 3.2 | 0.2 | 1.3 |
| CGZ81\_09325 | nrdR | 0.5 | 0.3 | 0.0 | 0.0 | 0.7 | 0.3 | 0.4 | 1.5 | 2.1 | 1.3 |
| CGZ81\_05025 | pacL | 2.0 | 1.3 | 1.0 | 2.5 | 1.3 | 2.0 | 1.2 | 1.0 | 1.8 | 1.3 |
| CGZ81\_06415 | hisS | 1.0 | 1.0 | 0.0 | 1.5 | 0.3 | 0.3 | 1.4 | 0.5 | 2.1 | 1.3 |
| CGZ81\_05680 | LBA0785 | 0.0 | 0.7 | 0.0 | 0.5 | 0.0 | 0.0 | 2.7 | 0.3 | 1.0 | 1.3 |
| CGZ81\_07420 | LBA1145 | 1.0 | 0.3 | 0.0 | 1.5 | 0.0 | 0.3 | 1.4 | 0.5 | 2.1 | 1.3 |
| CGZ81\_03680 | mutS2 | 4.5 | 0.3 | 0.0 | 1.5 | 1.3 | 0.0 | 0.4 | 2.6 | 1.0 | 1.3 |
| CGZ81\_04770 | LBA0605 | 0.0 | 1.3 | 0.3 | 0.5 | 1.0 | 0.0 | 2.7 | 0.8 | 0.5 | 1.3 |
| CGZ81\_00820 | parB | 1.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.7 | 0.2 | 0.5 | 3.2 | 1.3 |
| CGZ81\_04775 | LBA0606 | 1.0 | 0.3 | 0.3 | 1.5 | 0.7 | 0.3 | 1.4 | 1.5 | 1.0 | 1.3 |
| CGZ81\_09155 | LBA1510 | 1.0 | 1.0 | 0.0 | 1.5 | 1.7 | 0.0 | 1.4 | 1.5 | 1.0 | 1.3 |
| CGZ81\_06355 | LBA0921 | 2.0 | 2.0 | 0.3 | 4.0 | 2.0 | 0.3 | 1.9 | 1.0 | 1.0 | 1.3 |
| CGZ81\_01495 | gdmH | 1.5 | 0.0 | 0.3 | 0.0 | 0.7 | 0.0 | 0.2 | 3.2 | 0.5 | 1.3 |
| CGZ81\_05365 | LBA0728 | 3.5 | 2.0 | 0.7 | 2.5 | 3.0 | 1.3 | 0.7 | 1.4 | 1.7 | 1.3 |
| CGZ81\_03105 | rpsE | 1.0 | 0.7 | 1.0 | 2.0 | 1.0 | 0.7 | 1.8 | 1.3 | 0.7 | 1.3 |
| CGZ81\_09315 | dnaI | 0.5 | 1.0 | 0.0 | 0.5 | 0.7 | 0.3 | 1.0 | 0.7 | 2.1 | 1.3 |
| CGZ81\_09585 | vanY | 2.0 | 1.7 | 0.3 | 1.5 | 1.7 | 1.0 | 0.8 | 1.0 | 2.1 | 1.3 |
| CGZ81\_00675 | LBA1793 | 3.5 | 1.3 | 0.7 | 2.5 | 2.0 | 1.3 | 0.7 | 1.4 | 1.7 | 1.3 |
| CGZ81\_02340 | LBA0153 | 1.5 | 0.0 | 0.0 | 1.0 | 0.3 | 0.0 | 0.7 | 2.1 | 1.0 | 1.3 |
| CGZ81\_05180 | LBA0687 | 3.0 | 0.3 | 0.3 | 0.5 | 0.7 | 1.0 | 0.2 | 1.5 | 2.1 | 1.3 |
| CGZ81\_06420 | aspS | 1.0 | 1.3 | 0.0 | 1.0 | 2.7 | 0.0 | 1.0 | 1.8 | 1.0 | 1.3 |
| CGZ81\_02325 | LBA0150 | 0.0 | 1.3 | 0.0 | 0.0 | 2.7 | 0.0 | 1.0 | 1.8 | 1.0 | 1.3 |
| CGZ81\_06580 | LBA0971 | 1.5 | 0.0 | 0.3 | 0.0 | 0.3 | 0.7 | 0.2 | 2.1 | 1.5 | 1.3 |
| CGZ81\_08425 | LBA1357 | 2.0 | 0.0 | 0.7 | 0.5 | 0.3 | 1.0 | 0.3 | 2.1 | 1.3 | 1.3 |
| CGZ81\_07910 | dnaK | 3.5 | 0.7 | 0.7 | 0.0 | 2.0 | 1.0 | 0.1 | 2.4 | 1.3 | 1.3 |
| CGZ81\_02385 | LBA0162 | 0.0 | 0.7 | 0.3 | 0.5 | 0.3 | 0.0 | 2.7 | 0.7 | 0.5 | 1.3 |
| CGZ81\_02135 | LBA0112 | 4.0 | 0.3 | 1.3 | 1.5 | 1.3 | 1.0 | 0.4 | 2.6 | 0.8 | 1.3 |
| CGZ81\_06510 | pfkA | 3.0 | 1.0 | 0.3 | 3.0 | 1.3 | 0.7 | 1.0 | 1.3 | 1.5 | 1.3 |
| CGZ81\_06775 | treB | 1.5 | 0.0 | 1.3 | 2.0 | 0.3 | 0.3 | 1.3 | 2.1 | 0.4 | 1.3 |
| CGZ81\_09515 | prtM | 3.5 | 0.7 | 2.0 | 1.0 | 2.3 | 1.3 | 0.3 | 2.7 | 0.7 | 1.3 |
| CGZ81\_03730 | ccpA | 2.5 | 1.7 | 0.0 | 2.5 | 1.0 | 0.3 | 1.0 | 0.7 | 2.1 | 1.3 |
| CGZ81\_02710 | LBA0231 | 1.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 1.8 | 1.0 | 1.0 | 1.3 |
| CGZ81\_07180 | LBA1093 | 1.0 | 1.0 | 0.7 | 1.0 | 2.0 | 0.7 | 1.0 | 1.8 | 1.0 | 1.3 |
| CGZ81\_01530 | poxB | 1.0 | 0.3 | 1.0 | 3.0 | 0.3 | 0.0 | 2.5 | 1.0 | 0.2 | 1.3 |
| CGZ81\_04110 | LBA0475 | 1.0 | 1.0 | 1.0 | 2.0 | 1.3 | 0.7 | 1.8 | 1.3 | 0.7 | 1.3 |
| CGZ81\_02515 | LBA0193 | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.3 | 1.0 | 2.1 | 0.7 | 1.3 |
| CGZ81\_04595 | LBA0569 | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.3 | 1.0 | 2.1 | 0.7 | 1.3 |
| CGZ81\_09310 | thrS | 0.0 | 0.7 | 0.0 | 0.0 | 0.3 | 0.3 | 1.0 | 0.7 | 2.1 | 1.3 |
| CGZ81\_00990 | LBA1863 | 1.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 | 0.2 | 0.3 | 3.2 | 1.3 |
| CGZ81\_01505 | flpA | 4.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.3 | 0.7 | 1.0 | 2.1 | 1.3 |
| CGZ81\_09240 | LBA1527 | 2.5 | 0.3 | 0.0 | 1.5 | 0.3 | 0.3 | 0.6 | 1.0 | 2.1 | 1.3 |
| CGZ81\_02765 | guaA | 1.0 | 1.0 | 1.3 | 2.5 | 1.0 | 0.7 | 2.2 | 1.0 | 0.6 | 1.2 |
| CGZ81\_07760 | LBA1216 | 2.0 | 0.3 | 0.3 | 2.5 | 0.0 | 1.0 | 1.2 | 0.5 | 2.1 | 1.2 |
| CGZ81\_09435 | LBA1569 | 0.0 | 0.3 | 0.0 | 0.4 | 0.0 | 0.0 | 2.3 | 0.5 | 1.0 | 1.2 |
| CGZ81\_09855 | LBA1650 | 0.5 | 1.0 | 0.0 | 1.5 | 0.3 | 0.0 | 2.3 | 0.5 | 1.0 | 1.2 |
| CGZ81\_01085 | LBA1881 | 0.5 | 1.0 | 0.0 | 1.5 | 0.3 | 0.0 | 2.3 | 0.5 | 1.0 | 1.2 |
| CGZ81\_05865 | mnmA | 1.0 | 0.7 | 0.0 | 0.5 | 0.7 | 0.3 | 0.6 | 1.0 | 2.1 | 1.2 |
| CGZ81\_05460 | LBA0746 | 0.5 | 0.3 | 0.3 | 1.5 | 0.0 | 0.3 | 2.3 | 0.5 | 1.0 | 1.2 |
| CGZ81\_00485 | LBA1752 | 0.5 | 0.0 | 0.3 | 1.5 | 0.0 | 0.0 | 2.3 | 1.0 | 0.5 | 1.2 |
| CGZ81\_01265 | LBA1919 | 0.5 | 0.3 | 0.3 | 1.5 | 0.3 | 0.0 | 2.3 | 1.0 | 0.5 | 1.2 |
| CGZ81\_08910 | galK | 4.0 | 1.0 | 0.3 | 2.5 | 0.3 | 1.3 | 0.7 | 0.5 | 2.6 | 1.2 |
| CGZ81\_09445 | LBA1572 | 1.0 | 0.7 | 0.7 | 1.0 | 0.7 | 1.3 | 1.0 | 1.0 | 1.7 | 1.2 |
| CGZ81\_03120 | secY | 1.0 | 0.0 | 1.0 | 0.0 | 0.7 | 0.0 | 0.2 | 3.2 | 0.2 | 1.2 |
| CGZ81\_06830 | LBA1022 | 2.5 | 0.7 | 0.3 | 0.5 | 1.0 | 1.0 | 0.3 | 1.3 | 2.1 | 1.2 |
| CGZ81\_00510 | LBA1758 | 2.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.0 | 0.6 | 2.1 | 1.0 | 1.2 |
| CGZ81\_06285 | LBA0906 | 1.0 | 0.3 | 0.3 | 0.5 | 0.7 | 0.7 | 0.6 | 1.5 | 1.5 | 1.2 |
| CGZ81\_08955 | galE | 1.0 | 0.7 | 0.3 | 0.5 | 0.7 | 1.0 | 0.6 | 1.0 | 2.1 | 1.2 |
| CGZ81\_05835 | ileS | 1.0 | 0.7 | 0.3 | 0.5 | 0.7 | 1.0 | 0.6 | 1.0 | 2.1 | 1.2 |
| CGZ81\_03345 | LBA0354 | 1.5 | 0.3 | 0.7 | 0.5 | 0.0 | 2.3 | 0.4 | 0.5 | 2.7 | 1.2 |
| CGZ81\_04390 | gatA | 1.0 | 1.0 | 0.0 | 0.5 | 2.3 | 0.0 | 0.6 | 2.0 | 1.0 | 1.2 |
| CGZ81\_04905 | LBA0630 | 4.5 | 4.0 | 1.0 | 6.0 | 1.0 | 2.3 | 1.3 | 0.3 | 2.0 | 1.2 |
| CGZ81\_02390 | LBA0163 | 0.5 | 0.3 | 0.3 | 1.0 | 0.0 | 0.7 | 1.6 | 0.5 | 1.5 | 1.2 |
| CGZ81\_07470 | cpdA | 0.5 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.6 | 1.0 | 1.0 | 1.2 |
| CGZ81\_09680 | LBA1621 | 0.5 | 0.0 | 0.3 | 1.0 | 0.0 | 0.3 | 1.6 | 1.0 | 1.0 | 1.2 |
| CGZ81\_04375 | ligA | 1.0 | 0.3 | 0.7 | 2.0 | 0.7 | 0.0 | 1.8 | 1.5 | 0.3 | 1.2 |
| CGZ81\_05055 | LBA0660 | 1.0 | 1.0 | 0.0 | 0.0 | 1.3 | 0.3 | 0.2 | 1.3 | 2.1 | 1.2 |
| CGZ81\_06635 | trmFO | 3.0 | 2.3 | 0.3 | 1.0 | 1.3 | 1.3 | 0.4 | 0.6 | 2.6 | 1.2 |
| CGZ81\_03560 | LBA0396 | 4.0 | 2.7 | 0.0 | 7.5 | 2.0 | 0.0 | 1.8 | 0.8 | 1.0 | 1.2 |
| CGZ81\_07130 | LBA1082 | 1.0 | 0.3 | 0.0 | 1.0 | 0.0 | 0.3 | 1.0 | 0.5 | 2.1 | 1.2 |
| CGZ81\_08735 | LBA1420 | 1.5 | 0.3 | 0.0 | 1.5 | 0.0 | 0.3 | 1.0 | 0.5 | 2.1 | 1.2 |
| CGZ81\_09635 | LBA1613 | 1.0 | 0.3 | 0.0 | 1.0 | 0.0 | 0.3 | 1.0 | 0.5 | 2.1 | 1.2 |
| CGZ81\_03885 | LBA0442 | 3.5 | 0.0 | 0.3 | 1.5 | 0.3 | 0.3 | 0.5 | 2.1 | 1.0 | 1.2 |
| CGZ81\_04525 | LBA0554 | 0.5 | 0.7 | 0.0 | 1.5 | 0.0 | 0.0 | 2.3 | 0.3 | 1.0 | 1.2 |
| CGZ81\_06670 | LBA0990 | 1.5 | 0.3 | 0.0 | 0.5 | 0.3 | 0.3 | 0.4 | 1.0 | 2.1 | 1.2 |
| CGZ81\_07565 | LBA1173 | 1.5 | 0.0 | 0.0 | 0.5 | 0.3 | 0.0 | 0.4 | 2.1 | 1.0 | 1.2 |
| CGZ81\_00460 | LBA1747 | 1.5 | 0.0 | 0.0 | 0.5 | 0.3 | 0.0 | 0.4 | 2.1 | 1.0 | 1.2 |
| CGZ81\_03580 | scrB | 1.5 | 0.3 | 0.0 | 0.5 | 0.3 | 0.3 | 0.4 | 1.0 | 2.1 | 1.2 |
| CGZ81\_05260 | LBA0702 | 5.0 | 1.0 | 0.3 | 1.0 | 1.3 | 1.0 | 0.2 | 1.3 | 2.1 | 1.2 |
| CGZ81\_06765 | LBA1010 | 1.5 | 0.3 | 0.0 | 1.5 | 0.7 | 0.0 | 1.0 | 1.5 | 1.0 | 1.2 |
| CGZ81\_07925 | LBA1250 | 1.0 | 1.3 | 0.3 | 1.0 | 1.3 | 0.7 | 1.0 | 1.0 | 1.5 | 1.2 |
| CGZ81\_09010 | LBA1480 | 0.5 | 0.0 | 0.3 | 0.5 | 0.0 | 0.7 | 1.0 | 1.0 | 1.5 | 1.2 |
| CGZ81\_01450 | pepL | 1.0 | 1.3 | 0.0 | 0.5 | 1.0 | 0.3 | 0.6 | 0.8 | 2.1 | 1.2 |
| CGZ81\_01385 | LBA1943 | 5.0 | 0.3 | 0.7 | 4.0 | 1.0 | 0.3 | 0.8 | 2.1 | 0.7 | 1.2 |
| CGZ81\_09045 | LBA1487 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 1.5 | 1.0 | 1.0 | 1.2 |
| CGZ81\_06425 | LBA0937 | 1.5 | 0.7 | 0.0 | 1.0 | 0.3 | 0.3 | 0.7 | 0.7 | 2.1 | 1.2 |
| CGZ81\_03460 | LBA0376 | 1.0 | 0.7 | 0.3 | 0.5 | 1.0 | 0.7 | 0.6 | 1.3 | 1.5 | 1.2 |
| CGZ81\_01470 | oppA | 1.3 | 0.7 | 0.7 | 1.0 | 2.0 | 0.0 | 0.8 | 2.4 | 0.3 | 1.2 |
| CGZ81\_07530 | addA | 2.5 | 1.3 | 0.3 | 2.0 | 0.7 | 1.0 | 0.8 | 0.6 | 2.1 | 1.2 |
| CGZ81\_02420 | slpB | 7.2 | 3.7 | 0.3 | 8.5 | 3.3 | 0.6 | 1.2 | 0.9 | 1.4 | 1.2 |
| CGZ81\_04330 | nadE | 2.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.3 | 0.3 | 1.0 | 2.1 | 1.2 |
| CGZ81\_09770 | ssdh | 3.0 | 0.3 | 0.0 | 1.0 | 1.0 | 0.0 | 0.4 | 2.1 | 1.0 | 1.1 |
| CGZ81\_07915 | LBA1360 | 1.5 | 1.7 | 0.0 | 1.5 | 0.3 | 0.3 | 1.0 | 0.3 | 2.1 | 1.1 |
| CGZ81\_01785 | LBA0046 | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.0 | 1.0 | 2.1 | 0.3 | 1.1 |
| CGZ81\_04560 | LBA0562 | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.0 | 1.0 | 2.1 | 0.3 | 1.1 |
| CGZ81\_01755 | LBA0040 | 19.5 | 3.0 | 16.3 | 18.5 | 5.7 | 10.7 | 0.9 | 1.8 | 0.7 | 1.1 |
| CGZ81\_08130 | LBA1908 | 2.5 | 0.0 | 0.0 | 0.5 | 0.3 | 0.0 | 0.3 | 2.1 | 1.0 | 1.1 |
| CGZ81\_02055 | LBA0094 | 1.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 1.4 | 1.0 | 1.0 | 1.1 |
| CGZ81\_05450 | LBA0745 | 1.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 1.4 | 1.0 | 1.0 | 1.1 |
| CGZ81\_06985 | mutT | 1.0 | 0.0 | 0.3 | 1.5 | 0.0 | 0.3 | 1.4 | 1.0 | 1.0 | 1.1 |
| CGZ81\_00050 | oppA | 20.5 | 3.0 | 1.7 | 29.0 | 2.3 | 2.0 | 1.4 | 0.8 | 1.2 | 1.1 |
| NA | fmtB | 18.0 | 10.0 | 5.0 | 21.0 | 6.3 | 8.0 | 1.2 | 0.6 | 1.6 | 1.1 |
| CGZ81\_02490 | LBA0188 | 2.0 | 0.3 | 0.0 | 1.5 | 0.0 | 0.3 | 0.8 | 0.5 | 2.1 | 1.1 |
| CGZ81\_07965 | nusA | 1.0 | 0.3 | 0.7 | 1.0 | 1.0 | 0.0 | 1.0 | 2.1 | 0.3 | 1.1 |
| NA | ydaM | 0.5 | 1.0 | 0.3 | 1.0 | 1.3 | 0.0 | 1.6 | 1.3 | 0.5 | 1.1 |
| CGZ81\_05745 | mreC | 1.0 | 0.7 | 0.0 | 1.0 | 1.0 | 0.0 | 1.0 | 1.3 | 1.0 | 1.1 |
| CGZ81\_04645 | glnH | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 2.1 | 1.0 | 1.1 |
| CGZ81\_00090 | glnQ | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 2.1 | 1.0 | 1.1 |
| CGZ81\_01740 | LBA0037 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 2.1 | 1.0 | 1.1 |
| CGZ81\_08420 | LBA1356 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 1.0 | 2.1 | 1.1 |
| CGZ81\_00890 | LBA1842 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 2.1 | 1.0 | 1.1 |
| CGZ81\_01190 | LBA1902 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.0 | 0.2 | 2.1 | 1.1 |
| CGZ81\_00470 | nrdI | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 1.0 | 2.1 | 1.1 |
| CGZ81\_00275 | amyX | 2.5 | 1.0 | 0.7 | 2.0 | 1.7 | 0.7 | 0.8 | 1.5 | 1.0 | 1.1 |
| CGZ81\_04240 | msmE | 2.0 | 3.0 | 0.3 | 2.0 | 2.3 | 0.7 | 1.0 | 0.8 | 1.5 | 1.1 |
| CGZ81\_02990 | rpoC | 4.0 | 2.0 | 0.3 | 2.5 | 2.3 | 0.7 | 0.7 | 1.1 | 1.5 | 1.1 |
| CGZ81\_02120 | LBA0109 | 1.5 | 0.7 | 0.3 | 0.5 | 1.0 | 0.7 | 0.4 | 1.3 | 1.5 | 1.1 |
| CGZ81\_07435 | LBA1148 | 1.5 | 0.7 | 0.3 | 0.5 | 1.0 | 0.7 | 0.4 | 1.3 | 1.5 | 1.1 |
| CGZ81\_05140 | gpsA | 0.5 | 0.3 | 4.3 | 1.5 | 0.3 | 0.0 | 2.3 | 1.0 | 0.1 | 1.1 |
| CGZ81\_05150 | glgB | 2.0 | 0.3 | 0.0 | 1.5 | 0.7 | 0.0 | 0.8 | 1.5 | 1.0 | 1.1 |
| CGZ81\_00165 | malH | 1.5 | 0.3 | 0.0 | 1.0 | 0.0 | 0.3 | 0.7 | 0.5 | 2.1 | 1.1 |
| CGZ81\_01075 | thiD | 1.0 | 0.7 | 0.3 | 0.5 | 1.3 | 0.3 | 0.6 | 1.7 | 1.0 | 1.1 |
| CGZ81\_01015 | LBA1868 | 1.7 | 0.4 | 0.1 | 0.7 | 0.0 | 0.7 | 0.5 | 0.4 | 2.4 | 1.1 |
| CGZ81\_05970 | LBA0844 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.3 | 1.0 | 0.2 | 2.1 | 1.1 |
| CGZ81\_09790 | LBA1637 | 5.5 | 5.0 | 0.7 | 3.0 | 3.3 | 1.7 | 0.6 | 0.7 | 2.0 | 1.1 |
| CGZ81\_01925 | LBA0068 | 0.5 | 2.7 | 0.7 | 1.0 | 1.7 | 0.7 | 1.6 | 0.7 | 1.0 | 1.1 |
| CGZ81\_05215 | clpP | 0.5 | 0.3 | 1.0 | 0.5 | 1.0 | 0.0 | 1.0 | 2.1 | 0.2 | 1.1 |
| CGZ81\_08110 | ffh | 10.0 | 1.3 | 0.7 | 10.0 | 0.7 | 1.3 | 1.0 | 0.6 | 1.7 | 1.1 |
| CGZ81\_07585 | LBA1177 | 1.5 | 0.3 | 0.0 | 2.0 | 0.3 | 0.0 | 1.3 | 1.0 | 1.0 | 1.1 |
| CGZ81\_04750 | LBA0601 | 1.5 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 2.1 | 1.0 | 1.1 |
| CGZ81\_06900 | LBA1037 | 1.5 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 2.1 | 1.0 | 1.1 |
| CGZ81\_08710 | LBA1415 | 1.5 | 0.3 | 0.0 | 0.0 | 0.3 | 0.3 | 0.2 | 1.0 | 2.1 | 1.1 |
| CGZ81\_04810 | hprT | 1.0 | 0.0 | 1.7 | 1.0 | 0.3 | 0.0 | 1.0 | 2.1 | 0.2 | 1.1 |
| CGZ81\_07525 | dinG | 2.5 | 1.0 | 0.7 | 2.5 | 1.3 | 0.7 | 1.0 | 1.3 | 1.0 | 1.1 |
| CGZ81\_09035 | rbsK | 1.0 | 1.0 | 0.0 | 2.0 | 0.3 | 0.0 | 1.8 | 0.5 | 1.0 | 1.1 |
| CGZ81\_07115 | LBA1079 | 1.5 | 0.0 | 0.3 | 1.0 | 0.0 | 0.7 | 0.7 | 1.0 | 1.5 | 1.1 |
| CGZ81\_01005 | LBA1866 | 7.5 | 1.0 | 1.7 | 6.0 | 1.3 | 2.0 | 0.8 | 1.3 | 1.2 | 1.1 |
| CGZ81\_08195 | recG | 2.0 | 0.7 | 0.3 | 2.5 | 0.7 | 0.3 | 1.2 | 1.0 | 1.0 | 1.1 |
| CGZ81\_01200 | yifK | 2.0 | 0.0 | 0.3 | 2.5 | 0.0 | 0.3 | 1.2 | 1.0 | 1.0 | 1.1 |
| CGZ81\_04215 | LBA0496 | 0.5 | 1.3 | 0.0 | 1.0 | 0.7 | 0.0 | 1.6 | 0.6 | 1.0 | 1.1 |
| CGZ81\_02210 | LBA0127 | 0.2 | 0.4 | 0.1 | 0.7 | 0.0 | 0.0 | 2.1 | 0.4 | 0.7 | 1.1 |
| CGZ81\_01315 | LBA1927 | 1.0 | 1.7 | 0.3 | 1.5 | 1.3 | 0.3 | 1.4 | 0.8 | 1.0 | 1.1 |
| CGZ81\_08560 | pyrF | 1.0 | 1.0 | 0.0 | 0.5 | 0.3 | 0.3 | 0.6 | 0.5 | 2.1 | 1.1 |
| CGZ81\_06815 | LBA1019 | 2.0 | 3.0 | 2.3 | 4.0 | 1.7 | 1.7 | 1.9 | 0.6 | 0.7 | 1.1 |
| CGZ81\_09475 | murC | 0.5 | 1.0 | 0.3 | 1.5 | 0.3 | 0.0 | 2.3 | 0.5 | 0.5 | 1.1 |
| CGZ81\_01405 | LBA1947 | 2.0 | 0.3 | 1.0 | 0.0 | 1.0 | 1.0 | 0.1 | 2.1 | 1.0 | 1.1 |
| CGZ81\_02450 | LBA0177 | 2.0 | 0.7 | 0.3 | 2.0 | 0.3 | 0.7 | 1.0 | 0.7 | 1.5 | 1.1 |
| CGZ81\_08200 | LBA1310 | 2.5 | 0.0 | 0.7 | 2.0 | 0.0 | 1.0 | 0.8 | 1.0 | 1.3 | 1.1 |
| CGZ81\_09780 | LBA1634 | 7.0 | 4.0 | 1.0 | 5.5 | 3.3 | 1.7 | 0.8 | 0.8 | 1.5 | 1.1 |
| CGZ81\_06450 | LBA0943 | 0.5 | 1.0 | 0.3 | 0.0 | 2.0 | 0.3 | 0.4 | 1.8 | 1.0 | 1.0 |
| CGZ81\_09400 | fhs2 | 2.0 | 1.0 | 0.3 | 0.5 | 0.7 | 1.0 | 0.3 | 0.7 | 2.1 | 1.0 |
| CGZ81\_04730 | LBA0597 | 3.0 | 2.0 | 1.3 | 2.5 | 2.7 | 1.3 | 0.8 | 1.3 | 1.0 | 1.0 |
| CGZ81\_00120 | LBA1680 | 7.0 | 0.7 | 0.7 | 8.0 | 0.3 | 1.0 | 1.1 | 0.7 | 1.3 | 1.0 |
| CGZ81\_09225 | lisK | 4.0 | 1.7 | 0.3 | 4.5 | 0.7 | 0.7 | 1.1 | 0.5 | 1.5 | 1.0 |
| CGZ81\_00315 | LBA1716 | 0.5 | 1.3 | 0.3 | 0.5 | 0.7 | 0.7 | 1.0 | 0.6 | 1.5 | 1.0 |
| CGZ81\_07950 | infB | 3.5 | 1.7 | 1.3 | 2.5 | 2.0 | 1.7 | 0.7 | 1.2 | 1.2 | 1.0 |
| CGZ81\_05125 | LBA0675 | 0.5 | 0.3 | 0.0 | 1.0 | 0.0 | 0.0 | 1.6 | 0.5 | 1.0 | 1.0 |
| CGZ81\_05290 | potA | 0.5 | 0.3 | 0.3 | 1.0 | 0.0 | 0.3 | 1.6 | 0.5 | 1.0 | 1.0 |
| CGZ81\_00410 | epsB | 2.0 | 1.0 | 0.7 | 1.0 | 0.3 | 1.7 | 0.6 | 0.5 | 2.0 | 1.0 |
| CGZ81\_00005 | LBA1656 | 1.0 | 0.7 | 0.0 | 2.0 | 0.0 | 0.0 | 1.8 | 0.3 | 1.0 | 1.0 |
| CGZ81\_05080 | recA | 1.5 | 0.3 | 0.7 | 1.0 | 0.3 | 1.0 | 0.7 | 1.0 | 1.3 | 1.0 |
| CGZ81\_07030 | LBA1064 | 1.5 | 1.0 | 0.0 | 1.0 | 0.0 | 0.3 | 0.7 | 0.2 | 2.1 | 1.0 |
| CGZ81\_00445 | LBA1744 | 59.5 | 14.0 | 39.0 | 57.5 | 24.0 | 15.3 | 1.0 | 1.7 | 0.4 | 1.0 |
| CGZ81\_06460 | uvrC | 2.5 | 2.0 | 0.3 | 2.0 | 1.3 | 0.7 | 0.8 | 0.7 | 1.5 | 1.0 |
| CGZ81\_05810 | ftsZ | 2.5 | 1.0 | 1.0 | 0.5 | 0.7 | 2.3 | 0.3 | 0.7 | 2.0 | 1.0 |
| CGZ81\_01045 | LBA1874 | 1.5 | 0.7 | 0.3 | 2.5 | 0.7 | 0.0 | 1.6 | 1.0 | 0.5 | 1.0 |
| CGZ81\_01655 | cadB | 1.5 | 0.0 | 0.3 | 0.5 | 0.3 | 0.0 | 0.4 | 2.1 | 0.5 | 1.0 |
| CGZ81\_01725 | LBA0034 | 1.5 | 0.3 | 0.0 | 0.5 | 0.0 | 0.3 | 0.4 | 0.5 | 2.1 | 1.0 |
| CGZ81\_05145 | trxB | 1.0 | 1.0 | 0.3 | 1.0 | 0.3 | 0.7 | 1.0 | 0.5 | 1.5 | 1.0 |
| CGZ81\_04640 | glnQ | 1.5 | 1.3 | 0.0 | 1.5 | 1.3 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_01780 | LBA0045 | 0.0 | 0.3 | 1.0 | 0.0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_02185 | LBA0122 | 3.5 | 0.7 | 0.7 | 3.5 | 0.7 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_03250 | LBA0336 | 1.0 | 0.7 | 0.0 | 1.0 | 0.7 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_03290 | LBA0343 | 0.5 | 0.0 | 0.7 | 0.5 | 0.0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_05885 | LBA0826 | 1.0 | 0.3 | 0.3 | 1.0 | 0.3 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_07135 | LBA1083 | 1.5 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_07295 | LBA1116 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_07600 | LBA1181 | 0.0 | 0.3 | 0.7 | 0.0 | 0.3 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_08895 | LBA1455 | 1.0 | 0.3 | 0.3 | 1.0 | 0.3 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_09270 | LBA1534 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_09575 | LBA1601 | 1.0 | 0.3 | 0.0 | 1.0 | 0.3 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_04245 | msmF | 1.5 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_05190 | uvrA | 2.5 | 1.3 | 0.7 | 2.5 | 1.3 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 |
| CGZ81\_02650 | glmU | 1.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.3 | 0.2 | 2.1 | 0.7 | 1.0 |
| CGZ81\_02935 | tilS | 2.5 | 1.7 | 0.7 | 2.0 | 2.0 | 0.7 | 0.8 | 1.2 | 1.0 | 1.0 |
| CGZ81\_00245 | murQ | 2.5 | 0.3 | 0.7 | 1.0 | 0.7 | 0.7 | 0.5 | 1.5 | 1.0 | 1.0 |
| CGZ81\_05160 | glgD | 2.5 | 0.7 | 0.0 | 1.5 | 1.0 | 0.0 | 0.6 | 1.3 | 1.0 | 1.0 |
| CGZ81\_04555 | LBA0560 | 2.5 | 0.7 | 0.7 | 1.5 | 0.7 | 1.0 | 0.6 | 1.0 | 1.3 | 1.0 |
| CGZ81\_00900 | LBA1844 | 1.0 | 1.0 | 0.3 | 2.0 | 0.7 | 0.0 | 1.8 | 0.7 | 0.5 | 1.0 |
| NA | cdpA | 4.0 | 6.3 | 1.0 | 5.0 | 4.7 | 1.0 | 1.2 | 0.7 | 1.0 | 1.0 |
| CGZ81\_06035 | asd | 0.5 | 1.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.4 | 0.5 | 2.1 | 1.0 |
| CGZ81\_01160 | asnA | 1.5 | 0.0 | 0.3 | 0.5 | 0.0 | 0.7 | 0.4 | 1.0 | 1.5 | 1.0 |
| CGZ81\_03715 | LBA0428 | 1.5 | 0.0 | 0.3 | 0.5 | 0.0 | 0.7 | 0.4 | 1.0 | 1.5 | 1.0 |
| CGZ81\_09220 | LBA1523 | 1.0 | 0.7 | 0.0 | 0.5 | 1.0 | 0.0 | 0.6 | 1.3 | 1.0 | 1.0 |
| CGZ81\_09525 | LBA1590 | 2.0 | 1.7 | 0.0 | 0.5 | 0.7 | 0.3 | 0.3 | 0.5 | 2.1 | 1.0 |
| CGZ81\_01225 | clpE | 3.0 | 3.0 | 2.3 | 4.0 | 2.7 | 1.7 | 1.3 | 0.9 | 0.7 | 1.0 |
| CGZ81\_08005 | pyrH | 1.5 | 0.0 | 1.3 | 0.5 | 0.3 | 0.3 | 0.4 | 2.1 | 0.4 | 1.0 |
| CGZ81\_07345 | LBA1126 | 4.5 | 2.0 | 0.0 | 7.0 | 0.7 | 0.0 | 1.5 | 0.4 | 1.0 | 1.0 |
| CGZ81\_09070 | ackB | 1.5 | 1.0 | 0.7 | 2.0 | 1.0 | 0.3 | 1.3 | 1.0 | 0.7 | 1.0 |
| CGZ81\_00270 | LBA1709 | 2.5 | 0.3 | 1.0 | 1.5 | 1.0 | 0.0 | 0.6 | 2.1 | 0.2 | 1.0 |
| CGZ81\_06210 | bshA | 2.0 | 0.7 | 0.0 | 1.0 | 1.0 | 0.0 | 0.6 | 1.3 | 1.0 | 1.0 |
| CGZ81\_03170 | ecfT | 2.0 | 0.3 | 0.0 | 3.0 | 0.0 | 0.0 | 1.4 | 0.5 | 1.0 | 1.0 |
| CGZ81\_06795 | LBA1016 | 0.5 | 0.3 | 0.3 | 0.0 | 1.0 | 0.0 | 0.4 | 2.1 | 0.5 | 1.0 |
| CGZ81\_03380 | rplA | 1.5 | 0.3 | 8.0 | 4.0 | 0.0 | 0.0 | 2.4 | 0.5 | 0.0 | 1.0 |
| CGZ81\_07935 | ribC | 1.0 | 0.3 | 0.7 | 2.0 | 0.0 | 0.3 | 1.8 | 0.5 | 0.7 | 1.0 |
| CGZ81\_08945 | lacL | 1.2 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.9 | 1.0 | 1.0 | 1.0 |
| CGZ81\_08385 | LBA1349 | 0.5 | 1.3 | 0.7 | 0.0 | 1.0 | 1.3 | 0.4 | 0.8 | 1.7 | 1.0 |
| CGZ81\_06590 | cca | 1.0 | 0.3 | 0.0 | 1.5 | 0.0 | 0.0 | 1.4 | 0.5 | 1.0 | 1.0 |
| CGZ81\_07475 | LBA1155 | 1.0 | 0.3 | 0.0 | 1.5 | 0.0 | 0.0 | 1.4 | 0.5 | 1.0 | 1.0 |
| CGZ81\_00805 | LBA1823 | 1.5 | 1.3 | 1.3 | 0.5 | 1.0 | 2.3 | 0.4 | 0.8 | 1.6 | 1.0 |
| CGZ81\_01070 | glpK | 3.0 | 0.3 | 0.3 | 2.5 | 0.3 | 0.3 | 0.8 | 1.0 | 1.0 | 0.9 |
| CGZ81\_05065 | fabG | 0.0 | 0.7 | 0.3 | 0.0 | 0.0 | 0.7 | 1.0 | 0.3 | 1.5 | 0.9 |
| CGZ81\_05050 | LBA0659 | 0.5 | 0.3 | 0.7 | 0.5 | 0.7 | 0.0 | 1.0 | 1.5 | 0.3 | 0.9 |
| CGZ81\_04030 | lysR | 1.0 | 0.7 | 0.3 | 1.0 | 0.0 | 0.7 | 1.0 | 0.3 | 1.5 | 0.9 |
| CGZ81\_06730 | LBA1002 | 1.0 | 1.7 | 0.0 | 0.0 | 0.7 | 0.3 | 0.2 | 0.5 | 2.1 | 0.9 |
| CGZ81\_00435 | LBA1741 | 1.0 | 1.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.2 | 0.5 | 2.1 | 0.9 |
| CGZ81\_07375 | LBA1131 | 2.0 | 1.0 | 0.3 | 1.0 | 1.3 | 0.3 | 0.6 | 1.3 | 1.0 | 0.9 |
| CGZ81\_06040 | LBA0858 | 5.0 | 1.3 | 5.0 | 6.5 | 2.0 | 0.3 | 1.3 | 1.4 | 0.1 | 0.9 |
| CGZ81\_03585 | scrA | 1.5 | 0.7 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 1.3 | 0.7 | 0.9 |
| CGZ81\_02720 | pyrG | 2.5 | 0.7 | 0.0 | 1.0 | 1.0 | 0.0 | 0.5 | 1.3 | 1.0 | 0.9 |
| CGZ81\_09620 | LBA1609 | 0.5 | 0.3 | 1.3 | 1.0 | 0.3 | 0.0 | 1.6 | 1.0 | 0.2 | 0.9 |
| CGZ81\_01260 | lysA | 7.5 | 1.0 | 1.0 | 12.0 | 0.7 | 0.3 | 1.6 | 0.7 | 0.5 | 0.9 |
| CGZ81\_08250 | fmt | 1.0 | 1.0 | 0.7 | 1.5 | 0.7 | 0.3 | 1.4 | 0.7 | 0.7 | 0.9 |
| CGZ81\_07450 | LBA1151 | 0.5 | 1.3 | 0.3 | 0.0 | 2.0 | 0.3 | 0.4 | 1.4 | 1.0 | 0.9 |
| CGZ81\_04335 | pacL | 2.0 | 1.3 | 1.0 | 1.0 | 1.7 | 1.0 | 0.6 | 1.2 | 1.0 | 0.9 |
| CGZ81\_00440 | LBA1743 | 1.0 | 2.0 | 0.0 | 0.0 | 0.7 | 0.3 | 0.2 | 0.4 | 2.1 | 0.9 |
| CGZ81\_04660 | LBA0583 | 1.0 | 0.3 | 0.3 | 0.0 | 0.0 | 1.0 | 0.2 | 0.5 | 2.1 | 0.9 |
| CGZ81\_05805 | ftsA | 1.0 | 0.7 | 0.3 | 0.0 | 0.7 | 0.7 | 0.2 | 1.0 | 1.5 | 0.9 |
| CGZ81\_06495 | yfkN | 1.0 | 0.3 | 0.3 | 0.0 | 0.3 | 0.7 | 0.2 | 1.0 | 1.5 | 0.9 |
| CGZ81\_01325 | LBA1929 | 5.0 | 1.3 | 0.3 | 2.0 | 1.0 | 0.7 | 0.4 | 0.8 | 1.5 | 0.9 |
| CGZ81\_08080 | LBA1284 | 1.5 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 0.2 | 2.1 | 0.5 | 0.9 |
| CGZ81\_05700 | thiI | 1.5 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 0.2 | 2.1 | 0.5 | 0.9 |
| CGZ81\_03660 | alaS | 4.0 | 2.0 | 4.0 | 3.5 | 1.3 | 4.7 | 0.9 | 0.7 | 1.2 | 0.9 |
| CGZ81\_09370 | purL | 2.0 | 0.7 | 0.7 | 3.0 | 0.3 | 0.3 | 1.4 | 0.7 | 0.7 | 0.9 |
| CGZ81\_04205 | LBA0494 | 1.5 | 1.0 | 0.0 | 1.5 | 0.7 | 0.0 | 1.0 | 0.7 | 1.0 | 0.9 |
| CGZ81\_07400 | LBA1140 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 1.0 | 1.0 | 0.7 | 0.9 |
| CGZ81\_02085 | LBA0101 | 0.5 | 0.3 | 0.7 | 0.0 | 1.0 | 0.0 | 0.4 | 2.1 | 0.3 | 0.9 |
| CGZ81\_02110 | LBA0107 | 1.5 | 1.0 | 0.3 | 1.0 | 0.3 | 0.7 | 0.7 | 0.5 | 1.5 | 0.9 |
| CGZ81\_04890 | hmdH | 1.5 | 0.7 | 1.0 | 1.0 | 0.7 | 1.0 | 0.7 | 1.0 | 1.0 | 0.9 |
| CGZ81\_00750 | LBA1812 | 1.5 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.7 | 1.0 | 1.0 | 0.9 |
| CGZ81\_09285 | rpmI | 1.5 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.7 | 1.0 | 1.0 | 0.9 |
| CGZ81\_03565 | LBA0397 | 2.5 | 1.0 | 0.0 | 1.0 | 1.3 | 0.0 | 0.5 | 1.3 | 1.0 | 0.9 |
| CGZ81\_00105 | LBA1677 | 0.5 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 2.1 | 0.9 |
| CGZ81\_09275 | LBA1535 | 4.0 | 0.3 | 0.3 | 0.5 | 0.7 | 0.3 | 0.2 | 1.5 | 1.0 | 0.9 |
| CGZ81\_06805 | LBA1018 | 2.0 | 2.0 | 0.0 | 1.0 | 2.3 | 0.0 | 0.6 | 1.1 | 1.0 | 0.9 |
| CGZ81\_03560 | LBA1362 | 0.0 | 1.3 | 0.3 | 0.0 | 0.0 | 0.7 | 1.0 | 0.2 | 1.5 | 0.9 |
| CGZ81\_02330 | LBA0151 | 4.0 | 2.3 | 3.3 | 5.0 | 3.3 | 0.0 | 1.2 | 1.4 | 0.1 | 0.9 |
| CGZ81\_07645 | LBA1191 | 1.5 | 0.0 | 0.3 | 0.0 | 0.0 | 0.7 | 0.2 | 1.0 | 1.5 | 0.9 |
| CGZ81\_08235 | LBA1317 | 2.0 | 1.0 | 0.3 | 2.5 | 1.0 | 0.0 | 1.2 | 1.0 | 0.5 | 0.9 |
| CGZ81\_01620 | LBA0014 | 19.0 | 16.7 | 9.0 | 26.0 | 15.3 | 3.3 | 1.4 | 0.9 | 0.4 | 0.9 |
| CGZ81\_01850 | LBA0058 | 2.5 | 3.0 | 0.7 | 3.0 | 1.3 | 0.7 | 1.2 | 0.5 | 1.0 | 0.9 |
| CGZ81\_00875 | LBA1839 | 4.5 | 2.3 | 2.0 | 4.5 | 3.0 | 0.7 | 1.0 | 1.3 | 0.4 | 0.9 |
| CGZ81\_09865 | LBA1652 | 1.5 | 1.3 | 0.3 | 2.0 | 0.3 | 0.3 | 1.3 | 0.4 | 1.0 | 0.9 |
| CGZ81\_04125 | LBA0478 | 0.0 | 1.7 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.7 | 1.0 | 0.9 |
| CGZ81\_08820 | LBA1437 | 1.0 | 1.7 | 0.3 | 1.0 | 1.0 | 0.3 | 1.0 | 0.7 | 1.0 | 0.9 |
| CGZ81\_08725 | LBA1418 | 2.0 | 0.7 | 0.0 | 2.0 | 0.3 | 0.0 | 1.0 | 0.7 | 1.0 | 0.9 |
| CGZ81\_00960 | nisT | 2.5 | 1.7 | 0.0 | 2.0 | 1.3 | 0.0 | 0.8 | 0.8 | 1.0 | 0.9 |
| CGZ81\_00415 | epsA | 4.0 | 0.3 | 0.3 | 2.5 | 0.3 | 0.3 | 0.7 | 1.0 | 1.0 | 0.9 |
| CGZ81\_01535 | mnmG | 3.5 | 0.7 | 1.0 | 1.5 | 1.3 | 0.3 | 0.5 | 1.7 | 0.5 | 0.9 |
| CGZ81\_09085 | LBA1496 | 2.0 | 2.7 | 0.3 | 0.5 | 2.0 | 0.7 | 0.3 | 0.8 | 1.5 | 0.9 |
| CGZ81\_08455 | LBA1366 | 2.5 | 0.7 | 0.0 | 1.5 | 0.7 | 0.0 | 0.6 | 1.0 | 1.0 | 0.9 |
| CGZ81\_09345 | purD | 5.5 | 1.0 | 3.0 | 6.0 | 0.7 | 2.3 | 1.1 | 0.7 | 0.8 | 0.9 |
| NA | epsJ | 0.0 | 2.3 | 0.0 | 0.0 | 1.3 | 0.0 | 1.0 | 0.6 | 1.0 | 0.9 |
| NA | apbE | 2.0 | 0.3 | 0.7 | 1.5 | 0.7 | 0.0 | 0.8 | 1.5 | 0.3 | 0.9 |
| CGZ81\_06340 | citF | 4.0 | 5.7 | 0.3 | 2.5 | 2.3 | 0.7 | 0.7 | 0.4 | 1.5 | 0.9 |
| CGZ81\_06335 | citE | 1.0 | 0.7 | 0.0 | 0.5 | 0.7 | 0.0 | 0.6 | 1.0 | 1.0 | 0.9 |
| CGZ81\_06220 | LBA0893 | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.6 | 1.0 | 1.0 | 0.9 |
| CGZ81\_06555 | LBA0966 | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.6 | 1.0 | 1.0 | 0.9 |
| CGZ81\_01155 | LBA1895 | 1.0 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.6 | 1.0 | 1.0 | 0.9 |
| CGZ81\_08685 | lysR | 1.0 | 0.3 | 0.0 | 0.5 | 0.3 | 0.0 | 0.6 | 1.0 | 1.0 | 0.9 |
| CGZ81\_03575 | scrR | 1.0 | 0.0 | 0.3 | 0.5 | 0.0 | 0.3 | 0.6 | 1.0 | 1.0 | 0.9 |
| CGZ81\_09020 | rbsC | 3.5 | 0.7 | 0.3 | 0.0 | 0.7 | 0.7 | 0.1 | 1.0 | 1.5 | 0.9 |
| CGZ81\_08190 | plsX | 0.5 | 1.3 | 1.3 | 1.0 | 0.3 | 0.7 | 1.6 | 0.4 | 0.6 | 0.9 |
| CGZ81\_01285 | dltD | 4.5 | 0.7 | 1.7 | 5.0 | 1.0 | 0.0 | 1.1 | 1.3 | 0.2 | 0.9 |
| CGZ81\_00260 | LBA1707 | 1.5 | 1.0 | 1.7 | 2.0 | 0.3 | 1.3 | 1.3 | 0.5 | 0.8 | 0.9 |
| CGZ81\_01730 | LBA0035 | 4.0 | 0.3 | 1.0 | 1.0 | 1.0 | 0.0 | 0.3 | 2.1 | 0.2 | 0.9 |
| CGZ81\_04115 | LBA0476 | 1.5 | 0.7 | 1.0 | 1.5 | 1.0 | 0.0 | 1.0 | 1.3 | 0.2 | 0.9 |
| CGZ81\_07205 | LBA1098 | 1.0 | 0.7 | 1.0 | 0.0 | 1.0 | 1.0 | 0.2 | 1.3 | 1.0 | 0.9 |
| CGZ81\_00115 | LBA1679 | 0.5 | 0.3 | 0.3 | 1.0 | 0.0 | 0.0 | 1.6 | 0.5 | 0.5 | 0.9 |
| CGZ81\_01855 | pbpX | 0.5 | 0.3 | 0.3 | 1.0 | 0.0 | 0.0 | 1.6 | 0.5 | 0.5 | 0.9 |
| CGZ81\_00250 | LBA1705 | 4.0 | 2.0 | 1.3 | 4.0 | 1.0 | 1.3 | 1.0 | 0.6 | 1.0 | 0.9 |
| CGZ81\_01220 | LBA1909 | 2.0 | 0.3 | 0.3 | 1.0 | 0.3 | 0.3 | 0.6 | 1.0 | 1.0 | 0.9 |
| CGZ81\_03975 | rnr | 1.5 | 2.0 | 0.0 | 1.5 | 1.0 | 0.0 | 1.0 | 0.6 | 1.0 | 0.9 |
| CGZ81\_01370 | LBA1939 | 2.5 | 1.7 | 1.0 | 1.5 | 1.0 | 1.3 | 0.6 | 0.7 | 1.3 | 0.9 |
| CGZ81\_06150 | LBA0880 | 0.5 | 3.3 | 0.0 | 0.5 | 1.7 | 0.0 | 1.0 | 0.5 | 1.0 | 0.8 |
| CGZ81\_05325 | LBA0717 | 1.8 | 0.0 | 0.7 | 1.5 | 0.0 | 0.3 | 0.9 | 1.0 | 0.7 | 0.8 |
| CGZ81\_00780 | murE | 0.5 | 1.3 | 0.7 | 1.0 | 0.7 | 0.0 | 1.6 | 0.6 | 0.3 | 0.8 |
| CGZ81\_07105 | LBA1077 | 1.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.2 | 2.1 | 0.8 |
| CGZ81\_02885 | cshA | 1.0 | 0.7 | 0.3 | 1.5 | 0.3 | 0.0 | 1.4 | 0.7 | 0.5 | 0.8 |
| CGZ81\_01965 | LBA1907 | 0.3 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 | 0.5 | 1.0 | 1.0 | 0.8 |
| CGZ81\_08765 | LBA1426 | 7.0 | 17.7 | 9.3 | 6.0 | 24.3 | 2.3 | 0.9 | 1.4 | 0.3 | 0.8 |
| CGZ81\_06515 | kpyK | 29.5 | 2.7 | 27.3 | 41.0 | 2.7 | 3.0 | 1.4 | 1.0 | 0.1 | 0.8 |
| CGZ81\_08975 | LBA1473 | 3.0 | 0.7 | 0.7 | 2.5 | 0.7 | 0.3 | 0.8 | 1.0 | 0.7 | 0.8 |
| CGZ81\_03090 | rpsH | 9.5 | 0.0 | 0.7 | 8.0 | 0.0 | 0.3 | 0.8 | 1.0 | 0.7 | 0.8 |
| CGZ81\_09065 | glpK | 1.5 | 1.0 | 0.3 | 2.0 | 0.7 | 0.0 | 1.3 | 0.7 | 0.5 | 0.8 |
| CGZ81\_09565 | fbaA | 9.5 | 0.3 | 1.3 | 10.5 | 0.3 | 0.3 | 1.1 | 1.0 | 0.4 | 0.8 |
| CGZ81\_08720 | LBA1417 | 0.0 | 1.0 | 0.0 | 0.0 | 0.3 | 0.0 | 1.0 | 0.5 | 1.0 | 0.8 |
| CGZ81\_08785 | LBA1430 | 0.0 | 1.0 | 0.0 | 0.0 | 0.3 | 0.0 | 1.0 | 0.5 | 1.0 | 0.8 |
| CGZ81\_08925 | lacZ | 2.5 | 1.7 | 0.3 | 0.0 | 0.3 | 1.0 | 0.1 | 0.3 | 2.1 | 0.8 |
| CGZ81\_01840 | exoA | 0.5 | 0.7 | 0.3 | 0.5 | 0.7 | 0.0 | 1.0 | 1.0 | 0.5 | 0.8 |
| CGZ81\_06140 | LBA0878 | 1.5 | 1.0 | 0.3 | 1.5 | 1.0 | 0.0 | 1.0 | 1.0 | 0.5 | 0.8 |
| CGZ81\_06390 | LBA0930 | 1.0 | 0.3 | 0.3 | 1.0 | 0.3 | 0.0 | 1.0 | 1.0 | 0.5 | 0.8 |
| CGZ81\_07265 | LBA1111 | 1.0 | 0.3 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.5 | 1.0 | 0.8 |
| CGZ81\_08435 | LBA1359 | 1.0 | 0.3 | 0.3 | 1.0 | 0.3 | 0.0 | 1.0 | 1.0 | 0.5 | 0.8 |
| CGZ81\_04370 | LBA1676 | 1.5 | 0.3 | 1.0 | 1.5 | 0.0 | 1.0 | 1.0 | 0.5 | 1.0 | 0.8 |
| CGZ81\_02400 | pepO | 1.5 | 2.3 | 0.3 | 1.0 | 1.7 | 0.3 | 0.7 | 0.7 | 1.0 | 0.8 |
| CGZ81\_06470 | LBA0948 | 4.5 | 1.3 | 2.0 | 5.0 | 1.0 | 1.0 | 1.1 | 0.8 | 0.6 | 0.8 |
| CGZ81\_01745 | LBA0038 | 1.0 | 0.3 | 0.7 | 0.5 | 0.7 | 0.0 | 0.6 | 1.5 | 0.3 | 0.8 |
| NA | atpD | 2.5 | 0.7 | 0.0 | 0.0 | 1.0 | 0.0 | 0.1 | 1.3 | 1.0 | 0.8 |
| CGZ81\_01090 | cobQ | 1.5 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.4 | 1.0 | 1.0 | 0.8 |
| CGZ81\_08905 | galT | 1.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.3 | 0.4 | 1.0 | 1.0 | 0.8 |
| CGZ81\_08860 | LBA1446 | 1.5 | 0.7 | 0.3 | 0.5 | 0.7 | 0.3 | 0.4 | 1.0 | 1.0 | 0.8 |
| CGZ81\_00795 | LBA1821 | 3.5 | 0.7 | 0.7 | 4.0 | 0.7 | 0.0 | 1.1 | 1.0 | 0.3 | 0.8 |
| CGZ81\_07380 | LBA1132 | 1.5 | 2.7 | 0.0 | 1.5 | 1.0 | 0.0 | 1.0 | 0.4 | 1.0 | 0.8 |
| CGZ81\_00830 | parB | 3.0 | 1.7 | 0.3 | 0.5 | 1.0 | 0.7 | 0.2 | 0.7 | 1.5 | 0.8 |
| CGZ81\_08985 | LBA1475 | 0.7 | 0.1 | 0.1 | 0.7 | 0.0 | 0.0 | 1.0 | 0.7 | 0.7 | 0.8 |
| CGZ81\_09320 | dnaB | 5.0 | 4.3 | 0.3 | 3.0 | 3.3 | 0.3 | 0.6 | 0.8 | 1.0 | 0.8 |
| CGZ81\_03555 | frc | 0.5 | 1.0 | 0.7 | 0.5 | 0.7 | 0.3 | 1.0 | 0.7 | 0.7 | 0.8 |
| CGZ81\_04045 | adhE | 2.0 | 5.0 | 1.3 | 1.5 | 4.0 | 1.0 | 0.8 | 0.8 | 0.8 | 0.8 |
| CGZ81\_05640 | mreB | 0.0 | 1.3 | 0.0 | 0.0 | 0.3 | 0.0 | 1.0 | 0.4 | 1.0 | 0.8 |
| CGZ81\_07700 | phoH | 0.0 | 1.3 | 0.0 | 0.0 | 0.3 | 0.0 | 1.0 | 0.4 | 1.0 | 0.8 |
| CGZ81\_01395 | LBA1945 | 1.5 | 0.0 | 0.7 | 1.0 | 0.0 | 0.3 | 0.7 | 1.0 | 0.7 | 0.8 |
| CGZ81\_05210 | whiA | 1.5 | 0.7 | 0.3 | 1.0 | 0.3 | 0.3 | 0.7 | 0.7 | 1.0 | 0.8 |
| CGZ81\_01980 | LBA0078 | 0.5 | 0.7 | 0.0 | 0.0 | 0.7 | 0.0 | 0.4 | 1.0 | 1.0 | 0.8 |
| CGZ81\_04670 | LBA0585 | 6.5 | 3.3 | 1.3 | 5.5 | 2.3 | 1.0 | 0.9 | 0.7 | 0.8 | 0.8 |
| CGZ81\_03125 | adk | 1.0 | 2.3 | 0.0 | 1.0 | 0.7 | 0.0 | 1.0 | 0.4 | 1.0 | 0.8 |
| CGZ81\_07540 | mvaK | 2.0 | 0.3 | 1.0 | 0.5 | 0.7 | 0.3 | 0.3 | 1.5 | 0.5 | 0.8 |
| CGZ81\_06405 | relA | 1.0 | 1.3 | 1.0 | 0.5 | 1.3 | 0.7 | 0.6 | 1.0 | 0.7 | 0.8 |
| CGZ81\_09775 | LBA1633 | 6.5 | 1.7 | 1.0 | 5.0 | 1.3 | 0.7 | 0.8 | 0.8 | 0.7 | 0.8 |
| NA | coaA | 1.0 | 1.3 | 0.3 | 0.0 | 0.7 | 0.7 | 0.2 | 0.6 | 1.5 | 0.8 |
| CGZ81\_03970 | LBA0448 | 1.5 | 0.7 | 0.3 | 0.0 | 0.3 | 0.7 | 0.2 | 0.7 | 1.5 | 0.8 |
| CGZ81\_00335 | LBA1719 | 2.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 | 1.0 | 1.0 | 0.8 |
| CGZ81\_01965 | LBA0077 | 0.7 | 0.8 | 0.3 | 0.5 | 0.5 | 0.2 | 0.8 | 0.7 | 0.8 | 0.8 |
| CGZ81\_03495 | LBA0383 | 2.0 | 1.3 | 0.0 | 0.0 | 1.7 | 0.0 | 0.1 | 1.2 | 1.0 | 0.8 |
| CGZ81\_00420 | hflX | 2.0 | 1.0 | 0.3 | 0.5 | 1.7 | 0.0 | 0.3 | 1.5 | 0.5 | 0.8 |
| CGZ81\_05320 | glmM | 0.5 | 0.3 | 1.0 | 1.0 | 0.0 | 0.0 | 1.6 | 0.5 | 0.2 | 0.8 |
| CGZ81\_04885 | thil | 5.5 | 1.7 | 1.0 | 3.0 | 1.7 | 0.7 | 0.6 | 1.0 | 0.7 | 0.8 |
| CGZ81\_01585 | gyrA | 1.5 | 0.7 | 0.0 | 1.5 | 0.0 | 0.0 | 1.0 | 0.3 | 1.0 | 0.8 |
| CGZ81\_05105 | LBA0671 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.3 | 1.0 | 0.8 |
| CGZ81\_00060 | LBA1667 | 1.0 | 0.7 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.3 | 1.0 | 0.8 |
| CGZ81\_01540 | mnmE | 0.5 | 0.7 | 0.7 | 0.5 | 0.7 | 0.0 | 1.0 | 1.0 | 0.3 | 0.8 |
| CGZ81\_09330 | coaE | 1.5 | 0.7 | 0.7 | 1.5 | 0.3 | 0.3 | 1.0 | 0.7 | 0.7 | 0.8 |
| CGZ81\_00065 | efp1 | 0.0 | 0.7 | 0.7 | 0.0 | 0.3 | 0.3 | 1.0 | 0.7 | 0.7 | 0.8 |
| CGZ81\_05345 | LBA0723 | 2.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.3 | 1.0 | 1.0 | 0.8 |
| CGZ81\_01955 | LBA0074 | 1.5 | 0.7 | 0.3 | 0.5 | 0.0 | 0.7 | 0.4 | 0.3 | 1.5 | 0.8 |
| CGZ81\_00020 | LBA1659 | 1.0 | 3.3 | 1.7 | 1.0 | 1.3 | 1.3 | 1.0 | 0.4 | 0.8 | 0.8 |
| CGZ81\_00340 | LBA1720 | 0.6 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.5 | 0.8 | 1.0 | 0.8 |
| CGZ81\_03700 | murI | 1.0 | 0.0 | 0.7 | 0.5 | 0.0 | 0.3 | 0.6 | 1.0 | 0.7 | 0.8 |
| CGZ81\_09595 | pspC | 1.0 | 0.7 | 0.0 | 0.5 | 0.3 | 0.0 | 0.6 | 0.7 | 1.0 | 0.8 |
| CGZ81\_07145 | LBA1086 | 0.0 | 2.3 | 0.0 | 0.0 | 0.3 | 0.0 | 1.0 | 0.2 | 1.0 | 0.7 |
| CGZ81\_00400 | epsD | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_02545 | LBA0199 | 0.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.3 | 1.0 | 0.2 | 1.0 | 0.7 |
| CGZ81\_04445 | LBA0543 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_08215 | LBA1313 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.2 | 1.0 | 0.7 |
| CGZ81\_08355 | LBA1343 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_00290 | LBA1713 | 1.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.3 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_09005 | licT | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_09480 | pheT | 1.0 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_09430 | LBA1568 | 2.5 | 2.0 | 0.3 | 1.0 | 2.7 | 0.0 | 0.5 | 1.3 | 0.5 | 0.7 |
| CGZ81\_06880 | LBA1033 | 2.5 | 1.3 | 0.3 | 0.0 | 0.7 | 0.7 | 0.1 | 0.6 | 1.5 | 0.7 |
| CGZ81\_02870 | LBA0264 | 1.5 | 0.3 | 0.3 | 2.0 | 0.0 | 0.0 | 1.3 | 0.5 | 0.5 | 0.7 |
| CGZ81\_06395 | prmA | 0.5 | 0.3 | 1.0 | 0.5 | 0.0 | 0.7 | 1.0 | 0.5 | 0.7 | 0.7 |
| CGZ81\_08535 | pyrC | 3.5 | 1.7 | 0.7 | 0.5 | 1.0 | 1.0 | 0.2 | 0.7 | 1.3 | 0.7 |
| CGZ81\_01040 | ackA | 1.5 | 0.0 | 0.3 | 1.0 | 0.0 | 0.0 | 0.7 | 1.0 | 0.5 | 0.7 |
| CGZ81\_00395 | epsE | 1.5 | 0.0 | 0.3 | 1.0 | 0.0 | 0.0 | 0.7 | 1.0 | 0.5 | 0.7 |
| CGZ81\_09335 | mutM | 1.5 | 0.3 | 0.3 | 1.0 | 0.3 | 0.0 | 0.7 | 1.0 | 0.5 | 0.7 |
| CGZ81\_05175 | LBA0686 | 1.5 | 1.0 | 0.3 | 0.5 | 0.7 | 0.3 | 0.4 | 0.7 | 1.0 | 0.7 |
| CGZ81\_01125 | purB | 2.0 | 1.3 | 1.3 | 2.0 | 0.7 | 0.7 | 1.0 | 0.6 | 0.6 | 0.7 |
| CGZ81\_04120 | LBA0477 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.2 | 1.0 | 0.7 |
| CGZ81\_06625 | LBA0980 | 0.0 | 0.3 | 1.3 | 0.0 | 0.3 | 0.0 | 1.0 | 1.0 | 0.2 | 0.7 |
| CGZ81\_07920 | hrcA | 1.0 | 2.3 | 0.7 | 0.0 | 4.0 | 0.0 | 0.2 | 1.6 | 0.3 | 0.7 |
| CGZ81\_05615 | atpA | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_07415 | LBA1144 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_07505 | nth | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_03075 | rplX | 1.5 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 1.0 | 1.0 | 0.7 |
| CGZ81\_08015 | rpsB | 4.0 | 0.3 | 5.7 | 4.5 | 0.3 | 0.0 | 1.1 | 1.0 | 0.1 | 0.7 |
| CGZ81\_03425 | rplJ | 1.5 | 0.7 | 4.0 | 2.0 | 0.3 | 0.7 | 1.3 | 0.7 | 0.2 | 0.7 |
| CGZ81\_08105 | rpsP | 1.0 | 0.0 | 1.7 | 1.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.2 | 0.7 |
| NA | rnj | 2.0 | 0.3 | 1.3 | 0.5 | 0.3 | 1.0 | 0.3 | 1.0 | 0.8 | 0.7 |
| CGZ81\_09410 | LBA1564 | 0.0 | 1.0 | 0.7 | 0.0 | 0.3 | 0.3 | 1.0 | 0.5 | 0.7 | 0.7 |
| CGZ81\_02560 | oppD | 3.0 | 1.0 | 1.3 | 2.0 | 0.0 | 1.7 | 0.7 | 0.2 | 1.2 | 0.7 |
| CGZ81\_06290 | fumC | 0.5 | 0.3 | 0.7 | 0.5 | 0.0 | 0.3 | 1.0 | 0.5 | 0.7 | 0.7 |
| CGZ81\_00515 | LBA1759 | 3.0 | 3.7 | 0.7 | 1.5 | 2.0 | 0.7 | 0.5 | 0.6 | 1.0 | 0.7 |
| CGZ81\_01560 | dnaA | 3.5 | 1.7 | 1.3 | 2.5 | 1.7 | 0.3 | 0.7 | 1.0 | 0.4 | 0.7 |
| NA | ftsQ | 0.5 | 1.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.4 | 0.7 | 1.0 | 0.7 |
| CGZ81\_03015 | rpsJ | 1.0 | 1.0 | 2.3 | 2.0 | 0.0 | 0.0 | 1.8 | 0.2 | 0.1 | 0.7 |
| CGZ81\_08255 | priA | 1.0 | 1.0 | 1.0 | 0.5 | 0.7 | 0.7 | 0.6 | 0.7 | 0.7 | 0.7 |
| CGZ81\_01790 | LBA0047 | 1.5 | 0.7 | 0.0 | 0.5 | 0.3 | 0.0 | 0.4 | 0.7 | 1.0 | 0.7 |
| CGZ81\_01995 | yycI | 1.5 | 0.7 | 0.0 | 0.5 | 0.3 | 0.0 | 0.4 | 0.7 | 1.0 | 0.7 |
| CGZ81\_09195 | pheT | 2.5 | 1.7 | 1.3 | 1.0 | 1.3 | 1.0 | 0.5 | 0.8 | 0.8 | 0.7 |
| CGZ81\_06935 | LBA1046 | 1.0 | 0.3 | 0.0 | 0.5 | 0.0 | 0.0 | 0.6 | 0.5 | 1.0 | 0.7 |
| CGZ81\_08020 | LBA1271 | 1.0 | 0.3 | 0.0 | 0.5 | 0.0 | 0.0 | 0.6 | 0.5 | 1.0 | 0.7 |
| CGZ81\_00850 | LBA1833 | 1.0 | 0.0 | 0.3 | 0.5 | 0.0 | 0.0 | 0.6 | 1.0 | 0.5 | 0.7 |
| CGZ81\_05565 | LBA0765 | 3.0 | 0.7 | 0.3 | 0.5 | 0.0 | 0.7 | 0.2 | 0.3 | 1.5 | 0.7 |
| CGZ81\_07670 | dnaG | 1.5 | 1.0 | 0.7 | 0.0 | 1.3 | 0.3 | 0.2 | 1.3 | 0.7 | 0.7 |
| CGZ81\_02695 | LBA0228 | 2.5 | 0.7 | 1.3 | 2.0 | 0.3 | 0.7 | 0.8 | 0.7 | 0.6 | 0.7 |
| CGZ81\_01960 | LBA0075 | 1.0 | 0.3 | 0.7 | 0.0 | 0.7 | 0.0 | 0.2 | 1.5 | 0.3 | 0.7 |
| CGZ81\_06430 | LBA0939 | 1.0 | 1.3 | 0.7 | 0.5 | 1.0 | 0.3 | 0.6 | 0.8 | 0.7 | 0.7 |
| CGZ81\_00685 | plnG | 2.0 | 1.7 | 1.0 | 2.0 | 0.3 | 0.7 | 1.0 | 0.3 | 0.7 | 0.7 |
| CGZ81\_00085 | LBA1672 | 0.0 | 0.3 | 1.3 | 0.0 | 0.0 | 0.7 | 1.0 | 0.5 | 0.6 | 0.7 |
| CGZ81\_03550 | LBA0394 | 3.5 | 1.3 | 0.0 | 1.5 | 0.7 | 0.0 | 0.5 | 0.6 | 1.0 | 0.7 |
| CGZ81\_07425 | LBA1146 | 2.0 | 0.3 | 0.3 | 1.0 | 0.3 | 0.0 | 0.6 | 1.0 | 0.5 | 0.7 |
| CGZ81\_08915 | LBA1460 | 2.5 | 2.0 | 0.3 | 1.0 | 1.0 | 0.3 | 0.5 | 0.6 | 1.0 | 0.7 |
| CGZ81\_06195 | eno | 37.5 | 10.0 | 29.3 | 43.0 | 8.0 | 2.0 | 1.1 | 0.8 | 0.1 | 0.7 |
| CGZ81\_03720 | LBA0429 | 1.0 | 1.3 | 0.0 | 0.0 | 1.0 | 0.0 | 0.2 | 0.8 | 1.0 | 0.7 |
| CGZ81\_08045 | LBA1277 | 1.0 | 1.3 | 0.3 | 0.0 | 1.0 | 0.3 | 0.2 | 0.8 | 1.0 | 0.7 |
| CGZ81\_04235 | msmR | 1.5 | 1.0 | 1.3 | 1.5 | 0.0 | 1.0 | 1.0 | 0.2 | 0.8 | 0.7 |
| CGZ81\_01170 | trxR | 3.5 | 1.7 | 0.3 | 1.0 | 0.0 | 0.7 | 0.3 | 0.2 | 1.5 | 0.7 |
| CGZ81\_09185 | LBA1516 | 1.0 | 3.3 | 1.0 | 0.5 | 3.0 | 0.3 | 0.6 | 0.9 | 0.5 | 0.7 |
| CGZ81\_03315 | cysS | 1.0 | 1.3 | 0.0 | 0.5 | 0.3 | 0.0 | 0.6 | 0.4 | 1.0 | 0.7 |
| CGZ81\_08865 | LBA1447 | 1.5 | 1.7 | 1.0 | 2.0 | 0.7 | 0.0 | 1.3 | 0.5 | 0.2 | 0.7 |
| CGZ81\_08010 | tsf | 8.0 | 0.3 | 16.7 | 7.5 | 0.3 | 0.7 | 0.9 | 1.0 | 0.1 | 0.7 |
| CGZ81\_02015 | LBA1862 | 3.5 | 1.3 | 1.3 | 1.0 | 1.0 | 1.1 | 0.3 | 0.8 | 0.9 | 0.7 |
| CGZ81\_08155 | oppA | 204.5 | 79.3 | 122.0 | 148.3 | 81.5 | 29.3 | 0.7 | 1.0 | 0.2 | 0.7 |
| CGZ81\_07515 | LBA1162 | 0.0 | 2.3 | 1.0 | 0.0 | 1.0 | 0.3 | 1.0 | 0.5 | 0.5 | 0.7 |
| CGZ81\_09830 | LBA1645 | 2.5 | 1.0 | 1.7 | 2.5 | 0.3 | 0.7 | 1.0 | 0.5 | 0.5 | 0.7 |
| NA | htrA | 3.0 | 0.7 | 2.0 | 2.0 | 0.7 | 0.3 | 0.7 | 1.0 | 0.3 | 0.7 |
| CGZ81\_05880 | recD2 | 5.0 | 2.0 | 0.7 | 0.5 | 0.0 | 1.3 | 0.2 | 0.1 | 1.7 | 0.7 |
| CGZ81\_08830 | LBA1439 | 4.0 | 3.7 | 2.3 | 3.0 | 1.5 | 1.7 | 0.8 | 0.5 | 0.7 | 0.7 |
| CGZ81\_04700 | gntR | 0.5 | 1.0 | 0.3 | 0.5 | 0.3 | 0.0 | 1.0 | 0.5 | 0.5 | 0.7 |
| CGZ81\_08800 | LBA1433 | 4.0 | 0.7 | 0.3 | 1.0 | 0.3 | 0.3 | 0.3 | 0.7 | 1.0 | 0.7 |
| NA | rpsK | 3.5 | 0.0 | 1.0 | 0.5 | 0.0 | 0.7 | 0.2 | 1.0 | 0.7 | 0.7 |
| CGZ81\_01055 | LBA1876 | 1.5 | 1.0 | 0.7 | 1.0 | 0.0 | 0.7 | 0.7 | 0.2 | 1.0 | 0.7 |
| CGZ81\_08690 | LBA1411 | 3.0 | 1.3 | 2.0 | 3.0 | 0.3 | 1.0 | 1.0 | 0.4 | 0.6 | 0.7 |
| CGZ81\_04010 | manL | 2.5 | 3.3 | 1.7 | 2.0 | 2.0 | 0.7 | 0.8 | 0.6 | 0.5 | 0.6 |
| NA | rpsC | 1.5 | 1.0 | 0.3 | 1.0 | 0.7 | 0.0 | 0.7 | 0.7 | 0.5 | 0.6 |
| CGZ81\_04855 | LBA0620 | 1.4 | 0.2 | 0.0 | 0.4 | 0.0 | 0.0 | 0.4 | 0.6 | 1.0 | 0.6 |
| CGZ81\_04315 | tagA | 1.0 | 1.0 | 0.7 | 0.5 | 1.0 | 0.0 | 0.6 | 1.0 | 0.3 | 0.6 |
| CGZ81\_07690 | era | 1.5 | 0.3 | 0.3 | 0.5 | 0.0 | 0.3 | 0.4 | 0.5 | 1.0 | 0.6 |
| CGZ81\_03520 | LBA0388 | 1.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.0 | 0.4 | 1.0 | 0.5 | 0.6 |
| CGZ81\_07500 | LBA1159 | 4.0 | 2.3 | 2.7 | 3.5 | 0.7 | 1.7 | 0.9 | 0.4 | 0.7 | 0.6 |
| CGZ81\_07245 | LBA1107 | 1.0 | 1.3 | 1.0 | 0.5 | 1.0 | 0.3 | 0.6 | 0.8 | 0.5 | 0.6 |
| CGZ81\_01580 | gyrB | 1.5 | 1.0 | 0.3 | 0.0 | 1.3 | 0.0 | 0.2 | 1.3 | 0.5 | 0.6 |
| CGZ81\_00370 | LBA1728 | 2.5 | 2.7 | 0.3 | 1.5 | 2.0 | 0.0 | 0.6 | 0.8 | 0.5 | 0.6 |
| CGZ81\_08265 | gmk | 1.0 | 0.7 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.7 | 1.0 | 0.6 |
| CGZ81\_08230 | rsgA | 1.0 | 0.7 | 0.3 | 0.0 | 0.3 | 0.3 | 0.2 | 0.7 | 1.0 | 0.6 |
| CGZ81\_00430 | LBA1740 | 7.0 | 2.3 | 2.0 | 2.5 | 1.0 | 2.0 | 0.4 | 0.5 | 1.0 | 0.6 |
| CGZ81\_05245 | pgk | 5.5 | 0.7 | 4.3 | 5.5 | 0.3 | 0.7 | 1.0 | 0.7 | 0.2 | 0.6 |
| CGZ81\_00810 | ychF | 0.5 | 0.3 | 2.3 | 0.5 | 0.0 | 0.7 | 1.0 | 0.5 | 0.4 | 0.6 |
| CGZ81\_00480 | LBA1751 | 0.0 | 1.3 | 0.7 | 0.0 | 0.0 | 0.3 | 1.0 | 0.2 | 0.7 | 0.6 |
| CGZ81\_04615 | LBA0573 | 1.5 | 1.3 | 0.0 | 0.5 | 0.3 | 0.0 | 0.4 | 0.4 | 1.0 | 0.6 |
| CGZ81\_08370 | oppA | 1.5 | 1.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.4 | 0.4 | 1.0 | 0.6 |
| CGZ81\_05915 | ftsW | 1.0 | 1.3 | 0.3 | 0.0 | 0.7 | 0.3 | 0.2 | 0.6 | 1.0 | 0.6 |
| CGZ81\_05980 | tig | 5.5 | 0.7 | 12.7 | 6.0 | 0.3 | 0.7 | 1.1 | 0.7 | 0.1 | 0.6 |
| CGZ81\_03035 | rplB | 2.0 | 0.7 | 0.3 | 0.0 | 0.3 | 0.3 | 0.1 | 0.7 | 1.0 | 0.6 |
| CGZ81\_02395 | LBA0164 | 1.0 | 0.7 | 0.3 | 1.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.5 | 0.6 |
| CGZ81\_04300 | LBA0515 | 0.0 | 0.3 | 0.7 | 0.0 | 0.0 | 0.0 | 1.0 | 0.5 | 0.3 | 0.6 |
| CGZ81\_00550 | lctP | 0.5 | 0.3 | 0.7 | 0.5 | 0.0 | 0.0 | 1.0 | 0.5 | 0.3 | 0.6 |
| CGZ81\_03115 | rplO | 3.0 | 0.3 | 0.7 | 3.0 | 0.0 | 0.0 | 1.0 | 0.5 | 0.3 | 0.6 |
| CGZ81\_05790 | murD | 2.5 | 1.0 | 0.0 | 0.5 | 0.3 | 0.0 | 0.3 | 0.5 | 1.0 | 0.6 |
| CGZ81\_06010 | dapH | 0.5 | 0.3 | 1.3 | 0.0 | 0.3 | 0.3 | 0.4 | 1.0 | 0.4 | 0.6 |
| CGZ81\_03375 | rplK | 2.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.0 | 0.3 | 1.0 | 0.5 | 0.6 |
| CGZ81\_06815 | LBA1020 | 4.5 | 3.7 | 1.7 | 3.0 | 2.0 | 0.7 | 0.7 | 0.6 | 0.5 | 0.6 |
| CGZ81\_03210 | ftsK | 1.5 | 1.3 | 0.0 | 0.0 | 0.7 | 0.0 | 0.2 | 0.6 | 1.0 | 0.6 |
| CGZ81\_07535 | rexB | 3.5 | 5.7 | 0.7 | 2.0 | 2.7 | 0.3 | 0.6 | 0.5 | 0.7 | 0.6 |
| CGZ81\_00595 | fruK | 2.5 | 0.3 | 3.0 | 1.0 | 0.3 | 0.7 | 0.5 | 1.0 | 0.3 | 0.6 |
| CGZ81\_06270 | LBA0903 | 9.0 | 1.3 | 2.3 | 2.5 | 1.7 | 0.3 | 0.3 | 1.2 | 0.2 | 0.6 |
| CGZ81\_03030 | rplW | 2.0 | 0.3 | 1.0 | 1.5 | 0.0 | 0.3 | 0.8 | 0.5 | 0.5 | 0.6 |
| CGZ81\_06325 | citC | 3.0 | 0.7 | 0.3 | 0.5 | 0.7 | 0.0 | 0.2 | 1.0 | 0.5 | 0.6 |
| CGZ81\_01815 | LBA0052 | 1.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.3 | 0.2 | 0.5 | 1.0 | 0.6 |
| CGZ81\_06315 | LBA0912 | 1.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 0.5 | 0.6 |
| CGZ81\_00025 | LBA1660 | 0.5 | 1.0 | 0.3 | 0.5 | 0.0 | 0.0 | 1.0 | 0.2 | 0.5 | 0.6 |
| CGZ81\_04975 | mecA | 1.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 0.5 | 0.6 |
| CGZ81\_05965 | rnj | 0.5 | 1.7 | 0.0 | 0.0 | 0.3 | 0.0 | 0.4 | 0.3 | 1.0 | 0.6 |
| CGZ81\_02470 | LBA0184 | 2.5 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.5 | 0.2 | 1.0 | 0.6 |
| CGZ81\_00175 | LBA1691 | 0.5 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.4 | 1.0 | 0.3 | 0.6 |
| CGZ81\_01575 | recF | 0.5 | 0.7 | 0.7 | 0.0 | 0.7 | 0.0 | 0.4 | 1.0 | 0.3 | 0.6 |
| CGZ81\_05730 | LBA0796 | 0.5 | 0.7 | 0.3 | 0.0 | 0.0 | 0.3 | 0.4 | 0.3 | 1.0 | 0.6 |
| CGZ81\_08245 | LBA1319 | 0.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 1.0 | 0.6 |
| CGZ81\_09415 | LBA1565 | 0.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 1.0 | 0.6 |
| CGZ81\_06135 | LBA0877 | 2.0 | 0.7 | 1.3 | 1.5 | 0.0 | 0.7 | 0.8 | 0.3 | 0.6 | 0.6 |
| CGZ81\_05465 | LBA0747 | 2.5 | 1.0 | 0.3 | 1.0 | 0.7 | 0.0 | 0.5 | 0.7 | 0.5 | 0.6 |
| CGZ81\_07975 | polC | 2.0 | 1.7 | 1.0 | 0.5 | 1.3 | 0.3 | 0.3 | 0.8 | 0.5 | 0.6 |
| CGZ81\_08590 | LBA1392 | 8.0 | 4.7 | 2.3 | 6.0 | 3.0 | 0.3 | 0.8 | 0.7 | 0.2 | 0.6 |
| CGZ81\_08970 | rbsR | 2.0 | 0.7 | 0.3 | 0.5 | 0.0 | 0.3 | 0.3 | 0.3 | 1.0 | 0.6 |
| CGZ81\_05560 | LBA0764 | 1.5 | 7.7 | 0.7 | 0.0 | 6.3 | 0.3 | 0.2 | 0.8 | 0.7 | 0.6 |
| CGZ81\_08595 | LBA1393 | 1.5 | 1.0 | 1.0 | 0.0 | 0.7 | 0.7 | 0.2 | 0.7 | 0.7 | 0.6 |
| CGZ81\_08145 | rnc | 1.5 | 0.3 | 0.3 | 0.0 | 0.0 | 0.3 | 0.2 | 0.5 | 1.0 | 0.5 |
| CGZ81\_01610 | rplI | 1.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 1.0 | 0.5 |
| CGZ81\_00125 | LBA1681 | 2.5 | 3.0 | 1.3 | 1.5 | 0.3 | 1.0 | 0.6 | 0.2 | 0.8 | 0.5 |
| CGZ81\_07835 | lysR | 1.0 | 0.7 | 0.7 | 1.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.3 | 0.5 |
| CGZ81\_08310 | LBA1334 | 0.5 | 2.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.4 | 0.2 | 1.0 | 0.5 |
| CGZ81\_06855 | LBA1027 | 2.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 1.0 | 0.5 |
| CGZ81\_05945 | LBA0839 | 2.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 0.5 | 0.5 |
| CGZ81\_02445 | LBA0176 | 2.5 | 1.7 | 0.3 | 1.0 | 1.0 | 0.0 | 0.5 | 0.7 | 0.5 | 0.5 |
| CGZ81\_00530 | lytR | 2.5 | 2.0 | 0.7 | 1.0 | 0.0 | 0.7 | 0.5 | 0.1 | 1.0 | 0.5 |
| CGZ81\_08060 | lexA | 2.5 | 0.3 | 0.3 | 1.5 | 0.0 | 0.0 | 0.6 | 0.5 | 0.5 | 0.5 |
| CGZ81\_08135 | ftsY | 2.0 | 2.3 | 0.7 | 1.0 | 0.7 | 0.3 | 0.6 | 0.4 | 0.7 | 0.5 |
| CGZ81\_00925 | pepN | 2.0 | 0.3 | 1.0 | 0.5 | 0.3 | 0.0 | 0.3 | 1.0 | 0.2 | 0.5 |
| CGZ81\_03505 | rsmI | 1.0 | 1.0 | 0.3 | 0.5 | 0.3 | 0.0 | 0.6 | 0.5 | 0.5 | 0.5 |
| CGZ81\_06750 | LBA1006 | 3.5 | 0.3 | 1.7 | 2.0 | 0.0 | 0.7 | 0.6 | 0.5 | 0.5 | 0.5 |
| CGZ81\_09665 | LBA1619 | 3.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 1.0 | 0.5 |
| CGZ81\_04610 | glnH | 2.0 | 2.3 | 0.3 | 1.0 | 1.0 | 0.0 | 0.6 | 0.5 | 0.5 | 0.5 |
| CGZ81\_05575 | prfA | 2.0 | 0.7 | 0.7 | 1.0 | 0.0 | 0.3 | 0.6 | 0.3 | 0.7 | 0.5 |
| CGZ81\_04160 | LBA0484 | 1.0 | 1.3 | 0.7 | 0.5 | 0.7 | 0.0 | 0.6 | 0.6 | 0.3 | 0.5 |
| CGZ81\_06700 | LBA0996 | 4.0 | 1.0 | 2.3 | 2.0 | 0.3 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| CGZ81\_04805 | LBA0612 | 0.5 | 1.7 | 0.3 | 0.0 | 1.0 | 0.0 | 0.4 | 0.7 | 0.5 | 0.5 |
| CGZ81\_07010 | LBA1060 | 0.5 | 0.7 | 0.3 | 0.0 | 0.3 | 0.0 | 0.4 | 0.7 | 0.5 | 0.5 |
| CGZ81\_05240 | LBA0698 | 44.5 | 13.7 | 12.7 | 31.0 | 10.3 | 0.0 | 0.7 | 0.8 | 0.0 | 0.5 |
| CGZ81\_02130 | LBA0111 | 1.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 1.0 | 0.5 |
| CGZ81\_04085 | LBA0470 | 2.0 | 0.7 | 0.3 | 0.5 | 0.3 | 0.0 | 0.3 | 0.7 | 0.5 | 0.5 |
| CGZ81\_02845 | LBA0259 | 3.0 | 1.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.2 | 0.2 | 1.0 | 0.5 |
| CGZ81\_03535 | deoC | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 1.0 | 0.5 |
| CGZ81\_08160 | oppA | 3.0 | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.7 | 0.5 |
| CGZ81\_03640 | zwf | 1.5 | 1.0 | 1.0 | 0.5 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 |
| CGZ81\_04140 | ftsK | 1.5 | 0.7 | 0.7 | 0.5 | 0.3 | 0.0 | 0.4 | 0.7 | 0.3 | 0.5 |
| CGZ81\_04305 | gntR | 1.0 | 0.7 | 0.3 | 0.5 | 0.0 | 0.0 | 0.6 | 0.3 | 0.5 | 0.5 |
| CGZ81\_09850 | LBA1649 | 1.0 | 0.3 | 0.7 | 0.5 | 0.0 | 0.0 | 0.6 | 0.5 | 0.3 | 0.5 |
| CGZ81\_08345 | ilvE | 1.5 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 1.0 | 0.5 |
| CGZ81\_00555 | LBA1769 | 3.0 | 0.3 | 1.7 | 0.5 | 0.3 | 0.0 | 0.2 | 1.0 | 0.2 | 0.5 |
| CGZ81\_06630 | topA | 4.0 | 1.7 | 1.0 | 1.0 | 0.3 | 0.7 | 0.3 | 0.3 | 0.7 | 0.5 |
| CGZ81\_05695 | nifS | 2.0 | 1.0 | 0.3 | 0.0 | 0.7 | 0.0 | 0.1 | 0.7 | 0.5 | 0.4 |
| CGZ81\_03045 | rplV | 6.0 | 0.3 | 3.3 | 4.0 | 0.0 | 0.3 | 0.7 | 0.5 | 0.2 | 0.4 |
| CGZ81\_02535 | oppA | 1.5 | 0.7 | 1.0 | 0.0 | 0.3 | 0.3 | 0.2 | 0.7 | 0.5 | 0.4 |
| CGZ81\_03470 | LBA0378 | 6.5 | 3.0 | 0.3 | 4.5 | 0.0 | 0.0 | 0.7 | 0.1 | 0.5 | 0.4 |
| CGZ81\_02880 | murF | 2.0 | 0.3 | 1.0 | 1.0 | 0.0 | 0.0 | 0.6 | 0.5 | 0.2 | 0.4 |
| CGZ81\_05270 | LBA0704 | 2.5 | 1.0 | 1.0 | 0.5 | 0.0 | 0.7 | 0.3 | 0.2 | 0.7 | 0.4 |
| CGZ81\_02525 | pepG | 3.0 | 0.3 | 0.3 | 0.5 | 0.0 | 0.0 | 0.2 | 0.5 | 0.5 | 0.4 |
| CGZ81\_03190 | LBA0325 | 2.5 | 1.0 | 1.3 | 0.0 | 0.3 | 0.7 | 0.1 | 0.5 | 0.6 | 0.4 |
| CGZ81\_04515 | LBA0552 | 0.5 | 0.3 | 0.7 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 0.3 | 0.4 |
| CGZ81\_04600 | LBA0570 | 2.0 | 0.3 | 0.7 | 0.5 | 0.0 | 0.0 | 0.3 | 0.5 | 0.3 | 0.4 |
| CGZ81\_04400 | LBA0534 | 0.5 | 0.3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 0.2 | 0.4 |
| CGZ81\_02655 | LBA0220 | 1.5 | 0.7 | 1.3 | 0.0 | 0.0 | 0.7 | 0.2 | 0.3 | 0.6 | 0.4 |
| CGZ81\_03020 | rplC | 3.0 | 1.0 | 1.7 | 0.5 | 0.3 | 0.0 | 0.2 | 0.5 | 0.2 | 0.3 |
| CGZ81\_09685 | metK | 0.5 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.2 | 0.2 | 0.3 |
| CGZ81\_00930 | lysM | 1.5 | 2.7 | 3.0 | 0.0 | 1.3 | 0.0 | 0.2 | 0.6 | 0.1 | 0.3 |
| CGZ81\_00015 | LBA1658 | 2.5 | 0.3 | 3.7 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.1 | 0.2 |
| CGZ81\_03010 | fusA | 21.0 | 1.0 | 14.0 | 7.5 | 0.0 | 0.3 | 0.4 | 0.2 | 0.0 | 0.2 |