

Unveiling GOB-38: The New Face of Drug Resistance in *Elizabethkingia anophelis*

Ren Liu,^{1*} Yang Liu,^{2,3,4*} Jichui Qiu,¹ Qun Ren,¹ Chunping Wei,¹ Dejin Pan,¹ Jianglong Shi,^{1,2} Peng Liu,³ DanDan Wei,^{3,4}

Tianxin Xiang,^{2,4,5#} Na Cheng,^{1,2,5#}

Supplementary Data 1 – 119 strains of *A. baumannii* were obtained from Genbank

| num. | name | assemble | date |
|------|------------------|--------------|------------|
| 1 | SDF | ASM6920v1 | 2008-2-29 |
| 2 | ACICU | ASM1844v1 | 2008-4-15 |
| 3 | AYE | ASM6924v1 | 2008-2-29 |
| 4 | AB0057 | ASM2124v2 | 2017-6-27 |
| 5 | ATCC17978 | ASM1542v1 | 2007-5-1 |
| 6 | ATCC19606 | ASM1933165v1 | 2021-7-23 |
| 7 | Ab5075-UW | ASM96381v1 | 2015-3-27 |
| 8 | AB181-VUB | ASM2254857v1 | 2022-3-3 |
| 9 | KSK10 | ASM1772415v1 | 2021-04-03 |
| 10 | 2021CK-01332 | ASM2525878v1 | 2022-09-19 |
| 11 | DB003 | ASM2474974v1 | 2022-08-26 |
| 12 | AbCTX1 | ASM1686429v1 | 2021-02-11 |
| 13 | 40288 | ASM1945771v1 | 2021-08-06 |
| 14 | 5767 | ASM2336119v1 | 2022-05-13 |
| 15 | DETAB-P90 | ASM2351769v1 | 2022-05-23 |
| 16 | LUH 6011 | ASM2473242v1 | 2022-08-22 |
| 17 | 2014BJAB1 | ASM1709820v2 | 2021-11-16 |
| 18 | AbCTX13 | ASM1686491v1 | 2021-02-11 |
| 19 | AB217-VUB | ASM2246819v1 | 2022-03-03 |
| 20 | 1326569 | ASM2585401v1 | 2022-10-26 |
| 21 | AB79 | ASM2155969v1 | 2022-01-24 |
| 22 | OC064 | ASM2474948v1 | 2022-08-26 |
| 23 | ZHOU | ASM2977419v1 | 2023-04-17 |
| 24 | A54R | ASM2413468v1 | 2022-07-04 |
| 25 | C1107 | ASM2442666v1 | 2022-07-25 |
| 26 | BM2333 | ASM2172541v1 | 2022-01-30 |
| 27 | VB280821 | ASM2380970v1 | 2022-06-20 |
| 28 | NY5301 | ASM2275956v1 | 2022-03-30 |
| 29 | 2018HBAB1 | ASM1709822v2 | 2021-11-16 |
| 30 | JAB186 | ASM2971386v1 | 2023-04-13 |
| 31 | MAB9 | ASM2971416v1 | 2023-04-13 |
| 32 | 2014LNAB1 | ASM1709642v2 | 2021-11-16 |
| 33 | 19WIARLN022_full | ASM3058536v1 | 2023-08-02 |
| 34 | A54S | ASM2413462v1 | 2022-07-04 |
| 35 | RCH52 | ASM2081065v1 | 2021-11-09 |
| 36 | YC103 | ASM2172946v1 | 2022-01-31 |
| 37 | B10 | ASM1935607v1 | 2021-07-27 |
| 38 | RAB97 | ASM2971384v1 | 2023-04-13 |
| 39 | NY13623 | ASM2572295v1 | 2022-10-17 |
| 40 | Mu1956 | ASM3016828v1 | 2023-06-05 |
| 41 | DETAB-C9 | ASM2922356v1 | 2023-03-16 |
| 42 | ABO21-A001 | ASM3319203v1 | 2023-11-01 |
| 43 | RAB53 | ASM2971390v1 | 2023-04-13 |
| 44 | DSM30011-VUB | ASM2246681v1 | 2022-03-03 |
| 45 | 19WIARLN011_full | ASM3058538v1 | 2023-08-02 |
| 46 | HKU7 | ASM2052040v1 | 2021-10-18 |

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| 47 | KBN10P05679 | ASM2417222v1 | 2022-07-06 |
| 48 | AB6870155 | ASM79412v2 | 2022-12-21 |
| 49 | UC24371 | ASM2413843v1 | 2022-07-05 |
| 50 | Mu1984 | ASM3016824v1 | 2023-06-05 |
| 51 | RBH2 | ASM2606251v1 | 2022-11-08 |
| 52 | A9844 | ASM2875329v1 | 2023-02-21 |
| 53 | FDAARGOS_1360 | ASM1690313v1 | 2021-02-17 |
| 54 | WU_164 | ASM2755885v1 | 2023-01-03 |
| 55 | 1326595 | ASM2585413v1 | 2022-10-26 |
| 56 | SNUBHABO291 | ASM3318100v1 | 2023-11-01 |
| 57 | AB3927 | ASM2473080v1 | 2022-08-22 |
| 58 | X4-65 | ASM2981497v1 | 2023-04-18 |
| 59 | 18WIARLN0023 | ASM3058528v1 | 2023-08-02 |
| 60 | UC24137 | ASM2413907v1 | 2022-07-05 |
| 61 | E-011922 | ASM1990315v1 | 2021-09-08 |
| 62 | 2018BJAB2 | ASM1709632v2 | 2021-11-16 |
| 63 | C1415 | ASM1860436v1 | 2021-06-01 |
| 64 | LMG994 | ASM2474960v1 | 2022-08-26 |
| 65 | ATCC BAA-17903 | ASM803325v2 | 2021-01-28 |
| 66 | MAB17 | ASM2971396v1 | 2023-04-13 |
| 67 | ABO21-A045 | ASM3319009v1 | 2023-11-01 |
| 68 | 37662RM1 | ASM2846402v1 | 2023-02-05 |
| 69 | 37662RM2 | ASM2846400v1 | 2023-02-05 |
| 70 | Ab-3557 | ASM2544915v1 | 2022-09-28 |
| 71 | 2018TJAB1 | ASM1709636v2 | 2021-11-16 |
| 72 | WM98 | ASM2820149v1 | 2023-01-29 |
| 73 | YZM-0406 | ASM2544919v1 | 2022-09-28 |
| 74 | AB329 | ASM2173041v1 | 2022-01-31 |
| 75 | UC20804 | ASM2413901v1 | 2022-07-05 |
| 76 | ABO21-A051 | ASM3319001v1 | 2023-11-01 |
| 77 | 2018HLJAB2 | ASM1709824v2 | 2021-11-16 |
| 78 | OCU-Ac19 | ASM2794368v1 | 2023-01-14 |
| 79 | 86II/2C | ASM2858346v1 | 2023-02-10 |
| 80 | Ab-3556 | ASM2540297v1 | 2022-09-26 |
| 81 | ACI713 | ASM2090656v1 | 2021-11-21 |
| 82 | DB006 | ASM2474968v1 | 2022-08-26 |
| 83 | HNNY86G | ASM3408307v1 | 2023-12-04 |
| 84 | OCU_Ac18 | ASM1970328v1 | 2021-07-07 |
| 85 | DETAB-E351 | ASM2351717v1 | 2022-05-23 |
| 86 | 2014TJAB1 | ASM1709634v2 | 2021-11-16 |
| 87 | EGA65 | ASM3002798v1 | 2023-05-17 |
| 88 | SNUBHABO277 | ASM3318180v1 | 2023-11-01 |
| 89 | YZM-0314 | ASM2544917v1 | 2022-09-28 |
| 90 | 17978UN | ASM1935621v1 | 2021-07-27 |
| 91 | AbCTX9 | ASM1686431v2 | 2022-02-16 |
| 92 | LHC22-2 | ASM2027160v1 | 2021-10-05 |
| 93 | EGA10 | ASM3002800v1 | 2023-05-17 |
| 94 | SHOU-Ab01 | ASM2098528v1 | 2021-11-25 |
| 95 | FDAARGOS_1359 | ASM1690321v1 | 2021-02-17 |
| 96 | C9 | ASM2619463v2 | 2022-12-15 |
| 97 | F46 | ASM2322153v1 | 2022-05-03 |
| 98 | 2016GDAB1 | ASM2281190v1 | 2022-04-04 |
| 99 | Nord12-3 | ASM3442277v1 | 2023-12-16 |
| 100 | XH1935 | ASM2420526v1 | 2022-07-11 |

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| 101 | NCCP 16007 | ASM2176472v1 | 2022-02-01 |
| 102 | EAB2 | ASM2640920v1 | 2022-11-26 |
| 103 | 29D2 | ASM2958201v1 | 2023-04-04 |
| 104 | 10_4 | ASM1990317v1 | 2021-09-08 |
| 105 | M164-3 | ASM2236927v1 | 2022-02-23 |
| 106 | SAAb472 | ASM3282261v1 | 2023-10-18 |
| 107 | WB4 | ASM2990947v1 | 2023-05-01 |
| 108 | HNZZ130D | ASM3408100v1 | 2023-12-04 |
| 109 | CAb-65 | ASM1907668v1 | 2021-06-30 |
| 110 | Ax270 | ASM1883146v1 | 2021-06-10 |
| 111 | 18 DeltaHON27_10825::k | ASM2945977v1 | 2023-03-29 |
| 112 | LRT | ASM2967480v1 | 2023-04-11 |
| 113 | Ab_8_4 | ASM2967484v1 | 2023-04-11 |
| 114 | Canada BC-5 | ASM2837017v1 | 2023-02-01 |
| 115 | ARLG_6420 | ASM1488021v2 | 2021-08-26 |
| 116 | NCCP 15989 | ASM2412625v1 | 2022-07-03 |
| 117 | F-1629 | ASM2413792v1 | 2022-07-05 |
| 118 | R4-1 | ASM2138788v2 | 2022-06-13 |
| 119 | CCBH31258 | ASM2450562v1 | 2022-08-02 |

Supplementary Data 2 - 59 strains of *E. anophelis* were obtained from Genbank

| num. | name | assemble | date |
|------|-----------------|-------------------------------------|------------|
| 1 | R26 | ASM202366v2 | 2017-09-18 |
| 2 | JUNP 353 | ASM981021v1 | 2019-12-21 |
| 3 | F3201 | ASM202208v1 | 2017-03-06 |
| 4 | 296-96 | ASM969726v1 | 2019-11-23 |
| 5 | 344-1 | ASM2420564v1 | 2022-07-11 |
| 6 | SUE | ASM1470224v1 | 2020-09-22 |
| 7 | 367-19 | ASM2420508v1 | 2020-09-22 |
| 8 | 2-62 | ASM2420504v1 | 2022-07-11 |
| 9 | JM-87 | ASM202204v1 | 2017-03-06 |
| 10 | 362-2 | ASM2420510v1 | 2022-07-11 |
| 11 | 347-10 | ASM2420552v1 | 2022-07-11 |
| 12 | 346-72 | ASM2420554v1 | 2022-07-11 |
| 13 | 356-17 | ASM2420512v1 | 2022-07-11 |
| 14 | 348-50 | ASM2420548v1 | 2022-07-11 |
| 15 | 343-63 | ASM2420558v1 | 2022-07-11 |
| 16 | 346-66 | ASM2420556v1 | 2022-07-11 |
| 17 | 351-72 | ASM2420542v1 | 2022-07-11 |
| 18 | 349-83 | ASM2420544v1 | 2022-07-11 |
| 19 | 354-72 | ASM2420518v1 | 2022-07-11 |
| 20 | 347-96 | ASM2420546v1 | 2022-07-11 |
| 21 | 355-58 | ASM2420514v1 | 2022-07-11 |
| 22 | 2023CK-00282 | ASM2889848v3 | 2023-08-09 |
| 23 | EAV_NVH72 | EAV_NVH72 complete genome sequence | 2023-06-01 |
| 24 | 2002C02-176 | ASM2222150v1 | 2022-02-14 |
| 25 | 347-50 | ASM2420550v1 | 2022-07-11 |
| 26 | 354-87 | ASM2420516v1 | 2022-07-11 |
| 27 | 2008N07-201 | ASM2222144v1 | 2022-02-14 |
| 28 | EAV_NNN508 | EAV_NNN508 complete genome sequence | 2023-06-01 |
| 29 | EAV_NVH490 | EAV_NVH490 complete genome sequence | 2023-06-01 |
| 30 | EAV_VTKC53 | EAV_VTKC53 complete genome sequence | 2023-06-01 |
| 31 | E6809 | ASM202323v2 | 2017-03-09 |
| 32 | 2022CK-00262 | ASM2309294v2 | 2023-01-17 |
| 33 | AR4-6 | ASM231051v1 | 2017-09-18 |
| 34 | AR6-8 | ASM231053v1 | 2017-09-18 |
| 35 | FDAARGOS_198 | ASM227799v2 | 2018-03-02 |
| 36 | 313-22 | ASM2420560v1 | 2022-07-11 |
| 37 | C08 | ASM2544913v1 | 2022-09-28 |
| 38 | 2-14 | ASM2420502v1 | 2022-07-11 |
| 39 | 2-8 | ASM2420506v1 | 2022-07-11 |
| 40 | 3375 | ASM202206v1 | 2017-03-06 |
| 41 | FDAARGOS_132 | ASM295139v1 | 2018-02-20 |
| 42 | FDAARGOS_134 | ASM295145v1 | 2018-02-20 |
| 43 | 0422 | ASM202202v1 | 2017-03-06 |
| 44 | 277-17 | ASM2420562v1 | 2022-07-11 |
| 45 | F3543 | ASM202482v1 | 2017-03-10 |
| 46 | SEA01 | ASM1683862v1 | 2021-02-09 |
| 47 | CSID_3015183678 | ASM159617v2 | 2016-04-20 |
| 48 | CSID_3015183684 | ASM161846v2 | 2016-04-20 |
| 49 | CSID_3015183681 | ASM161854v2 | 2016-04-20 |
| 50 | 2008S01-229 | ASM2222146v1 | 2022-02-14 |
| 51 | 229-MNO-R | ASM2222142v1 | 2022-02-14 |

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| 52 | 090-MNO-R | ASM2222140v1 | 2022-02-14 |
| 53 | 2002N07-090 | ASM2222148v1 | 2022-02-14 |
| 54 | AWYL_1 | ASM2987331v1 | 2023-04-26 |
| 55 | CSID_3000521207 | ASM161850v2 | 2016-04-20 |
| 56 | Ag1 | ASM24009v3 | 2017-09-18 |
| 57 | NUHP1 | ASM49593v2 | 2014-08-27 |
| 58 | FMS-007 | ASM101167v1 | 2015-05-21 |
| 59 | T02 | ASM2962365v1 | 2023-04-08 |