**Sample and Method**

**Plant materials and growth conditions**

The Complete-diallel plus Unbalanced Breeding-derived Inter-Cross (CUBIC) population was derived from 24 genetically diverse maize inbred lines30 and includes 1404 progenies. The parents and progeny were planted in Sanya (18°15′ N 109°30′ E,) in winter 2015 for mature kernel harvest and in winter 2016 for leaf sampling. Each line was planted in a randomized design in a single 2.5-m-row field plot. In winter 2015, each plant was carefully self-pollinated, and three harvested ears from each line were randomly selected for mature kernel sampling. In winter 2016, the tenth leaf was collected from three plants per line at the V9 stage; leaves were mixed and immediately snap-frozen in liquid nitrogen. All samples were stored at -80℃ before metabolite extraction. Gene-edited plants were also planted in Sanya in winter 2020 and 2021, and sampling was performed as described above.

**Metabolite extraction and metabolome profiling with GC-MS**

Primary metabolites were extracted from maize leaves and kernels as described in a previous study1. In brief, 50 mg leaf powder was extracted with 1 ml methanol:methyl-*ter*t-butyl-ether (MTBE) solution (1:3, v/v). A 300-µl aliquot was obtained from the lower polar phase and dried in a SpeedVac concentrator without heating. The dried residue was derivatized with *N*-methyl-*N*-(trimethylsilyl) trifluoroacetamide (MSTFA) and then analyzed by GC-MS (7890A-5975C, Agilent) as described previously2. Each 1-µl sample was injected into the GC-MS at 270°C in split mode (50:1) with helium carrier gas (>99.999% purity) at a flow rate of 1 ml/min and separated on a DB-35MS UI capillary column (30 m × 0.25 mm, 0.25 µm). The temperature was maintained at 90°C for 4 min, then ramped up to 205°C at 8°C per min, held for 2 min, and finally ramped up to 310°C at 15°C per min and held for 2 min. The transfer line temperature was set to 300 °C, and the ion source temperature was set to 230°C. The mass range analyzed was from m/z 85 to 700. The metabolomic data were analyzed as described in our previous study3. Agilent MassHunter Qualitative Analysis (version B06.00) and Agilent MassHunter Quantitative Analysis (version B.07.01) were used to analyze GC-MS data. The NIST library and an in-house database produced using authentic standards were used for metabolite identification.

**Reference**

1. Salem, M.A., Jüppner, J., Bajdzienko, K. & Giavalisco, P. Protocol: a fast, comprehensive and reproducible one-step extraction method for the rapid preparation of polar and semi-polar metabolites, lipids, proteins, starch and cell wall polymers from a single sample. Plant Methods 12, 45 (2016).

2. Wang, H. et al. A Subsidiary Cell-Localized Glucose Transporter Promotes Stomatal Conductance and Photosynthesis. Plant Cell 31, 1328-1343 (2019).

3. Yan, S., Huang, W., Gao, J., Fu, H. & Liu, J. Comparative metabolomic analysis of seed metabolites associated with seed storability in rice (Oryza sativa L.) during natural aging. Plant Physiol Biochem 127, 590-598 (2018).

**Sample list**

**For kernel samples**

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| 1297 | MG\_1285 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1298 | MG\_1286 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1299 | MG\_1287 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1300 | MG\_1288 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1301 | MG\_1289 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1302 | MG\_1290 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1303 | MG\_1291 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1304 | MG\_1292 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1305 | MG\_1293 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1306 | MG\_1294 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1307 | MG\_1295 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1308 | MG\_1296 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1309 | MG\_1297 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1310 | MG\_1298 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1311 | MG\_1299 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1312 | MG\_1300 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1313 | MG\_1301 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1314 | MG\_1302 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1315 | MG\_1303 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1316 | MG\_1304 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1317 | MG\_1305 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1318 | MG\_1306 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1319 | MG\_1307 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1321 | MG\_1309 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1322 | MG\_1310 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1323 | MG\_1311 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1324 | MG\_1312 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1325 | MG\_1313 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1326 | MG\_1314 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1327 | MG\_1315 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1328 | MG\_1316 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1329 | MG\_1317 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1330 | MG\_1318 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1331 | MG\_1319 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1334 | MG\_1322 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1335 | MG\_1323 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1337 | MG\_1325 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1338 | MG\_1326 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1339 | MG\_1327 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1342 | MG\_1330 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1344 | MG\_1332 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1349 | MG\_1337 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1351 | MG\_1339 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1352 | MG\_1340 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1353 | MG\_1341 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1354 | MG\_1342 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1357 | MG\_1345 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1406 | MG\_1394 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1408 | MG\_1396 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1409 | MG\_1397 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1437 | MG\_1425 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1457 | MG\_1445 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1458 | MG\_1446 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1459 | MG\_1447 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1460 | MG\_1448 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
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| 1462 | MG\_1450 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1463 | MG\_1451 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1464 | MG\_1452 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1465 | MG\_1453 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1466 | MG\_1454 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1467 | MG\_1455 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1468 | MG\_1456 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1469 | MG\_1457 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1470 | MG\_1458 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1472 | MG\_1460 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1474 | MG\_1463 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1475 | MG\_1464 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1476 | MG\_1466 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1477 | MG\_1467 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1478 | MG\_1468 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1479 | MG\_1469 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1480 | MG\_1470 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1481 | MG\_1471 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1482 | MG\_1472 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1483 | MG\_1473 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1484 | MG\_1474 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1485 | MG\_1475 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1486 | MG\_1476 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1487 | MG\_1477 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1488 | MG\_1478 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1489 | MG\_1479 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1490 | MG\_1480 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1491 | MG\_1481 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1492 | MG\_1482 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1493 | MG\_1483 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1494 | MG\_1484 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1495 | MG\_1485 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1496 | MG\_1486 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1497 | MG\_1487 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1498 | MG\_1489 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1499 | MG\_1490 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1500 | MG\_1491 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |
| 1506 | MG\_1497 | Kernel | progeny | CubicMaizeSeed\_Rawdata\_check |

**For laf samples**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Line | Tissue | Note | File |
| 63 | MG\_52 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 64 | MG\_56 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 65 | MG\_68 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 66 | MG\_77 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 67 | MG\_80 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 68 | MG\_90 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 69 | MG\_96 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 70 | MG\_107 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 71 | MG\_113 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 72 | MG\_115 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 73 | MG\_118 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 74 | MG\_119 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 75 | MG\_120 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 76 | MG\_127 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 77 | MG\_128 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 78 | MG\_129 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 79 | MG\_134 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 80 | MG\_136 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 81 | MG\_146 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 82 | MG\_147 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 83 | MG\_148 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 84 | MG\_149 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 85 | MG\_154 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 86 | MG\_156 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 87 | MG\_161 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 88 | MG\_162 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 89 | MG\_163 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 90 | MG\_168 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 91 | MG\_183 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 92 | MG\_184 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 93 | MG\_199 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 94 | MG\_204 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 95 | MG\_212 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 96 | MG\_213 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 97 | MG\_218 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 98 | MG\_219 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 99 | MG\_220 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 100 | MG\_233 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 101 | MG\_239 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 102 | MG\_240 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 103 | MG\_255 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 104 | MG\_257 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 105 | MG\_258 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 106 | MG\_260 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 107 | MG\_264 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 108 | MG\_270 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 109 | MG\_274 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 110 | MG\_277 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 111 | MG\_283 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 112 | MG\_288 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 113 | MG\_294 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 114 | MG\_295 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 115 | MG\_298 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 116 | MG\_305 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 117 | MG\_307 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 118 | MG\_316 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 119 | MG\_324 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 120 | MG\_331 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 121 | MG\_338 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 122 | MG\_340 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 123 | MG\_342 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 124 | MG\_353 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 125 | MG\_356 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 126 | MG\_362 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 128 | MG\_365 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 129 | MG\_366 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 130 | MG\_381 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 131 | MG\_382 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 132 | MG\_400 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 133 | MG\_401 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 134 | MG\_407 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 135 | MG\_409 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 137 | MG\_412 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 138 | MG\_413 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 139 | MG\_416 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 140 | MG\_428 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 141 | MG\_429 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 142 | MG\_433 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 143 | MG\_437 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 144 | MG\_438 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 145 | MG\_439 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 146 | MG\_443 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 147 | MG\_447 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 148 | MG\_455 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 150 | MG\_458 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 151 | MG\_477 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 152 | MG\_480 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 153 | MG\_486 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 154 | MG\_508 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 155 | MG\_511 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 157 | MG\_552 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 158 | MG\_556 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 159 | MG\_568 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 160 | MG\_569 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 161 | MG\_574 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 166 | MG\_606 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 170 | MG\_615 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 171 | MG\_620 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 172 | MG\_621 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 173 | MG\_628 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 174 | MG\_631 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 175 | MG\_640 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 176 | MG\_646 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 178 | MG\_660 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 179 | MG\_675 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 180 | MG\_690 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 181 | MG\_704 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 182 | MG\_721 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 183 | MG\_732 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 184 | MG\_750 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 185 | MG\_760 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 186 | MG\_763 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 187 | MG\_770 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 188 | MG\_779 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 189 | MG\_793 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 190 | MG\_806 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 191 | MG\_810 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 209 | MG\_946 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 210 | MG\_952 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 1436 | MG\_1494 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
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| 1441 | MG\_1499 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1442 | MG\_1500 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1443 | MG\_1501 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1444 | MG\_1502 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1445 | MG\_1504 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1446 | MG\_1505 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1447 | MG\_1506 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1448 | MG\_1509 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1449 | MG\_1510 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1450 | MG\_488 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1451 | MG\_1022 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1452 | MG\_506 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1453 | MG\_630 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1454 | MG\_745 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1455 | MG\_510 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1456 | MG\_829 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1457 | MG\_293 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1458 | MG\_762 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1459 | MG\_1019 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1460 | MG\_279 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1461 | MG\_528 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1462 | MG\_980 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1463 | MG\_596 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1464 | MG\_870 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1465 | MG\_387 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1466 | MG\_151 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1467 | MG\_682 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1468 | MG\_1321 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |
| 1469 | MG\_1252 | Leaf | Progeny | CubicMaizeleaf\_Rawdata\_check |