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| **Family** | OTU | GenBank accession number  | Maarj*AM* virtual taxon (VTX) / putative new taxon (pNTX) |
| **Gigasporaceae** | 4YP04H7RNY\_SP3 | MG321509 | *Scutellospora* *dipurpurescens* VTX00049 |
| 4YP04JR2H7\_SP3 | MG321510 | *Scutellospora dipurpurescens* VTX00049 |
| **Diversisporaceae** | 4YP04H3IP4\_SP1 | MG321415 | *Diversispora* sp*.*VTX00355 |
| 4YP04IA4J4\_SP3 | MG321463 | *Diversispora* sp. VTX00380 |
| 4YP04I6XFH\_SP3 | MG321464 | *Diversispora* sp. VTX00054 |
| 4YP04JUWOQ\_SP3 | MG321465 | *Diversispora* sp. VTX00054 |
| 4YP04I5AYZ\_SP3 | MG321478 | *Diversispora* sp. VTX00054 |
| 4YP04I5JV2\_SP3 | MG321479 | *Diversispora* sp. VTX00380 |
| 4YP04IOW4L\_SP3 | MG321480 | *Diversispora* sp. VTX00054 |
| 4YP04IX19T\_SP3 | MG321481 | *Diversispora* sp. VTX00054 |
| 4YP04IWVZT\_SP3 | MG321483 | *Diversispora* sp. VTX00380 |
| 4YP04JWWD9\_SP4 | MG321511 | *Diversispora* sp. VTX00355 |
| 4YP04IMZBC\_SP4 | MG321513 | *Diversispora* sp. VTX00377 |
| **Claroideoglomeraceae** | 4YP04JEEPO\_SP1 | MG321416 | *Claroideoglomus* sp. VTX00193 |
| 4YP04JI4UB\_SP1 | MG321427 | *Claroideoglomus* sp. VTX00193 |
| 4YP04IUURF\_SP1 | MG321428 | *Claroideoglomus* sp. VTX00193 |
| 4YP04IYQRH\_SP1 | MG321433 | *Claroideoglomus* sp. VTX00193 |
| 4YP04I72AD\_SP2 | MG321435 | *Claroideoglomus* sp. VTX00193 |
| 4YP04INILH\_SP2 | MG321445 | *Claroideoglomus* sp. VTX00193 |
| 4YP04JCI3Q\_SP2 | MG321458 | *Claroideoglomus* sp. VTX00193 |
| 4YP04JRWZS\_SP3 | MG321503 | *Claroideoglomus* sp. VTX00193 |
| 4YP04IC9XZ\_SP4 | MG321516 | *Claroideoglomus* sp. VTX00357 |
| 4YP04I676Z\_SP4 | MG321518 | *Claroideoglomus* sp. VTX00193 |
| 4YP04HZP6O\_SS1 | MG321536 | *Claroideoglomus* sp. VTX00193 |
| 4YP04IU7FM\_SCS2 | MG321551 | *Claroideoglomus* sp. VTX00193 |
| 4YP04JSD57\_SCS2 | MG321552 | *Claroideoglomus* sp. VTX00193  |
| 4YP04JFOLF\_SCS2 | MG321553 | *Claroideoglomus* sp. VTX00193 |
| 4YP04JOOD0\_SCS2 | MG321554 | *Claroideoglomus* sp. VTX00193 |
| **Glomeraceae** | 4YP04JRRNN\_SP1 | MG321417 | *Glomus* sp. VTX00108  |
| 4YP04H7NF6\_SP1 | MG321418 | *Glomus* sp. VTX00115 |
| 4YP04JJ9IX\_SP1 | MG321419 | *Glomus* sp. VTX00113 |
| 4YP04I6O9X\_SP1 | MG321420 | *Glomus* sp. VTX00113 |
| 4YP04ICWLW\_SP1 | MG321421 | *Glomus* sp. VTX00113 |
| 4YP04JPHQV\_SP1 | MG321422 | *Glomus* sp. VTX00256 |
| 4YP04JXDM6\_SP1 | MG321423 | *Glomus* sp. VTX00280 |
| 4YP04IFHAF\_SP1 | MG321424 | *Glomus* sp. VTX00115 |
| 4YP04IHMFP\_SP1 | MG321425 | *Glomus* sp. pNTX P |
| 4YP04JJ20Y\_SP1 | MG321426 | *Glomus* sp. VTX00114 |
| 4YP04JOJ2U\_SP1 | MG321429 | *Glomus* sp. VTX00387 |
| 4YP04IUH19\_SP1 | MG321430 | *Glomus* sp. VTX00115  |
| 4YP04IR2P0\_SP1 | MG321431 | *Glomus* sp. VTX00151 |
| 4YP04IQ20K\_SP1 | MG321434 | *Glomus* sp. VTX00105 |
| 4YP04JRAU1\_SP2 | MG321436 | *Glomus* sp*.* VTX00113 |
| 4YP04JCJR6\_SP2 | MG321437 | *Glomus* sp*.* VTX00113 |
| 4YP04IGZBS\_SP2 | MG321438 | *Glomus* sp*.* VTX00114 |
| 4YP04IJRDF\_SP2 | MG321439 | *Glomus* sp*.* VTX00113 |
| 4YP04I54EP\_SP2 | MG321440 | *Glomus* sp*.* VTX00115 |
| 4YP04H05UY\_SP2 | MG321441 | *Glomus* sp. VTX00108  |
| 4YP04II2S8\_SP2 | MG321442 | *Glomus* sp*.* VTX00115 |
| 4YP04JIKA1\_SP2 | MG321443 | *Glomus* sp*.* VTX00114 |
| 4YP04IPD87\_SP2 | MG321444 | *Glomus* sp. VTX00105 |
| 4YP04JJQKI\_SP2 | MG321446 | *Glomus* sp.VTX00105 |
| 4YP04JCB34\_SP2 | MG321447 | *Glomus* sp. pNTX I |
| 4YP04H7PR2\_SP2 | MG321448 | *Glomus* sp*.* VTX00342  |
| 4YP04I5YAR\_SP2 | MG321449 | *Glomus* sp*.* VTX00342  |
| 4YP04IRZFU\_SP2 | MG321450 | *Glomus* sp*.* VTX00156 |
| 4YP04I0PYT\_SP2 | MG321451 | *Glomus* sp. pNTX H |
| 4YP04HZG3E\_SP2 | MG321452 | *Glomus* sp*.* VTX00151 |
| 4YP04JA80E\_SP2 | MG321453 | *Glomus* sp*.* VTX00311 |
| 4YP04JA7WM\_SP2 | MG321454 | *Glomus* sp*.* VTX00166 |
| 4YP04I92QC\_SP2 | MG321455 | *Glomus* sp*.* VTX00114 |
| 4YP04H2GXM\_SP2 | MG321456 | *Glomus* sp. VTX00108 |
| 4YP04I453R\_SP2 | MG321460 | *Glomus* sp*.* VTX00280  |
| 4YP04JLR0M\_SP2 | MG321461 | *Glomus* sp*.* VTX00115 |
| 4YP04JIX0M\_SP3 | MG321462 | *Glomus* sp. VTX00177  |
| 4YP04JJ9K2\_SP3 | MG321466 | *Glomus* sp. VTX00067 |
| 4YP04JLI5E\_SP3 | MG321467 | *Glomus* sp*.* VTX00067 |
| 4YP04IU15P\_SP3 | MG321468 | *Glomus coronatum* VTX00265 |
| 4YP04H5E7K\_SP3 | MG321469 | *Glomus* sp. VTX00067  |
| 4YP04IIFRH\_SP3 | MG321470 | *Glomus* sp. VTX00307 |
| 4YP04IW882\_SP3 | MG321471 | *Glomus* sp. pNTX E |
| 4YP04I0HTO\_SP3 | MG321473 | *Glomus* sp. pNTX O |
| 4YP04H9LJ6\_SP3 | MG321474 | *Glomus* *coronatum* VTX00265 |
| 4YP04H4GDP\_SP3 | MG321475 | *Glomus* sp. VTX00067 |
| 4YP04IKHE2\_SP3 | MG321476 | *Glomus* sp. VTX00295 |
| 4YP04JQ0KZ\_SP3 | MG321477 | *Glomus* sp. VTX00331 |
| 4YP04IG7YE\_SP3 | MG321484 | *Glomus* sp. VTX00114 |
| 4YP04IJZVD\_SP3 | MG321485 | *Glomus* sp. VTX00113 |
| 4YP04JTD44\_SP3 | MG321487 | *Glomus* sp. VTX00105 |
| 4YP04I432E\_SP3 | MG321488 | *Glomus* sp. VTX00108 |
| 4YP04JR9ZY\_SP3 | MG321489 | *Glomus* sp. VTX00331 |
| 4YP04IOER2\_SP3 | MG321490 | *Glomus* sp. VTX00113 |
| 4YP04I9AWX\_SP3 | MG321491 | *Glomus* sp. VTX00065 |
| 4YP04ILY5Z\_SP3 | MG321492 | *Glomus* sp. VTX00067 |
| 4YP04ITJN7\_SP3 | MG321493 | *Glomus* sp. VTX00092 |
| 4YP04JQ0V0\_SP3 | MG321494 | *Glomus* *coronatum* VTX00265 |
| 4YP04IN9BR\_SP3 | MG321495 | *Glomus* sp. VTX00115 |
| 4YP04IVWAC\_SP3 | MG321496 | *Glomus* sp. VTX00067  |
| 4YP04I6OPZ\_SP3 | MG321497 | *Glomus* sp. VTX00115 |
| 4YP04I24NN\_SP3 | MG321498 | *Glomus* sp. VTX00067 |
| 4YP04H8FTL\_SP3 | MG321499 | *Glomus* sp. VTX00105 |
| 4YP04JVBOQ\_SP3 | MG321500 | *Glomus* sp. VTX00067 |
| 4YP04IVQAN\_SP3 | MG321501 | *Glomus* sp. VTX00280 |
| 4YP04IU4ZQ\_SP3 | MG321502 | *Glomus* sp. pNTX N |
| 4YP04JU288\_SP3 | MG321504 | *Glomus* sp. VTX00199 |
| 4YP04I5FQK\_SP3 | MG321505 | *Glomus* sp. VTX00199 |
| 4YP04ILIUP\_SP3 | MG321506 | *Glomus* sp*.* VTX00067 |
| 4YP04IH0CT\_SP3 | MG321507 | *Glomus* sp. VTX00065  |
| 4YP04II1LM\_SP3 | MG321508 | *Glomus* sp. VTX00108 |
| 4YP04JDUFC\_SP4 | MG321512 | *Glomus* sp. VTX00067 |
| 4YP04IF6FZ\_SP4 | MG321514 | *Glomus* sp. VTX00115 |
| 4YP04I9T57\_SP4 | MG321515 | *Glomus* sp. VTX00105 |
| 4YP04I5G3I\_SP4 | MG321517 | *Glomus* sp. VTX00108 |
| 4YP04ITJ5A\_SP4 | MG321519 | *Glomus* sp. VTX00342 |
| 4YP04JLNL6\_SP4 | MG321520 | *Glomus* sp. VTX00114 |
| 4YP04IE0YL\_SP4 | MG321521 | *Glomus* sp. VTX00342 |
| 4YP04I6M3Y\_SP4 | MG321522 | *Glomus* sp. VTX00092 |
| 4YP04H25BH\_SS1 | MG321523 | *Glomus* sp. VTX00419 |
| 4YP04I95Y7\_SS1 | MG321524 | *Glomus* sp pNTX E |
| 4YP04IA3LB\_SS1 | MG321525 | *Glomus* sp. VTX00309 |
| 4YP04JG937\_SS1 | MG321527 | *Glomus* sp. pNTX B |
| 4YP04H9ZQ1\_SS1 | MG321528 | *Glomus* sp. pNTX L |
| 4YP04JH5JL\_SS1 | MG321529 | *Glomus* sp. pNTX D |
| 4YP04IK9BE\_SS1 | MG321530 | *Glomus* sp. VTX00419 |
| 4YP04IKWU3\_SS1 | MG321531 | *Glomus* sp. VTX00151 |
| 4YP04JJNF5\_SS1 | MG321532 | *Glomus* sp. VTX00419 |
| 4YP04I2LPU\_SS1 | MG321533 | *Glomus* sp. pNTX G |
| 4YP04IL4N8\_SS1 | MG321534 | *Glomus* sp. pNTX B |
| 4YP04JU5CY\_SCS1 | MG321540 | *Glomus* sp. pNTX J |
| 4YP04IWR9Z\_SCS1 | MG321542 | *Glomus* sp. VTX00151 |
| 4YP04JZGAX\_SCS1 | MG321543 | *Glomus* sp. VTX00419  |
| YP04IOUW7\_SCS1 | MG321545 | *Glomus* sp. VTX00098 |
| 4YP04JE2V8\_SCS1 | MG321546 | *Glomus* sp. VTX00098 |
| 4YP04JASKM\_SCS1 | MG321547 | *Glomus* sp. VTX00151 |
| 4YP04JFIIZ\_SCS1 | MG321549 | *Glomus* sp. VTX00151 |
| 4YP04ITHCZ\_SCS1 | MG321550 | *Glomus* sp. pNTX D |
| 4YP04JMQKY\_SCS3 | MG321555 | *Glomus* sp. VTX00342 |
| 4YP04IVIMW\_SCS3 | MG321556 | *Glomus* sp. pNTX M |
| **Non-assigned** | 4YP04IEEE0\_SP1 | MG321432 | Glomeromycota sp. pNTX C |
| 4YP04I2XZV\_SP2 | MG321457 | Glomeromycota sp. pNTX K |
| 4YP04I3GDA\_SP2 | MG321459 | Glomeromycota sp. pNTX C |
| 4YP04I4LEN\_SP3 | MG321472 | Glomeromycota sp. pNTX A |
| 4YP04IIHZP\_SP3 | MG321486 | Glomeromycota sp. pNTX A |
| 4YP04JJQDS\_SS1 | MG321526 | Glomeromycota sp. pNTX F |
| 4YP04JV0Q3\_SCS1 | MG321539 | Glomeromycota sp. pNTX F |
| 4YP04INGAM\_SCS1 | MG321541 | Glomeromycota sp. pNTX F |
| 4YP04IKJQV\_SCS1 | MG321544 | Glomeromycota sp. pNTX C |
| 4YP04IZF3K\_SCS1 | MG321548 | Glomeromycota sp. pNTX F |