

*Taxon	b3A	
	Base	Top
A mul ti spi no sum	-11310.0	-11310.0
Annutri pori tes i verseni i	-12930.0	-9870.0
Bombacaci di tes baumfal ki	-13885.0	*
Bombacaci di tes zuatensi s	-12690.0	-11430.0
C dorogensi s Ca5ACME	-13990.0	-13930.0
C tenui tabul atum	-13930.0	-11610.0
C1	-9332.0	-9332.0
C2	-10873.0	-10873.0
C3	-11438.0	-11438.0
C4	-11758.0	-11758.0
C5	-11955.0	-11955.0
C6	-13167.0	-13167.0
C7	-13721.0	-13721.0
Ci catri cosi spori tes dorogensi s	*	-12870.0
Crototri col pi tes annemari ae	-12450.0	-9450.0
E mari stel lae C1acme	-9630.0	-9510.0
Echi peri pori tes estel ae	-13705.0	-9510.0
Echi tri col pori tes mari stel lae	-13930.0	-11730.0
Echi tri letes muel leri	-13705.0	*
Fenestri tes spi nosus	-9450.0	-9450.0
Jandufouri a seamrogi formi s	*	*
Ladakhi pol l eni tes si mpl ex	-13885.0	-10260.0
Laevi gatospori tes catanej ensi s	-12030.0	-10140.0
Laevi gatospori tes ti buensi s	*	*
Li ngul odi ni um machaerophorum	-11070.0	-9450.0
M franci scoi franci scoi	*	*
Magnaperi pori tes spi nosus	-10890.0	-10720.0
Magna stri ati tes grandi osus	*	*
Margocol pori tes vanwij hei	-13165.0	-9450.0
Mauri ti i di tes crassi bacul atus	-13990.0	-9750.0
Mfranci scoi pachyexi natus	-11070.0	-11070.0
Mgrandi osus C1-C2acme	-11490.0	-9450.0
Monoporopol l eni tes annul atus	-13990.0	*
Opercul odi ni um centrocarpum	-13105.0	-9510.0
Perfotri col pi tes di gi tatus	-13225.0	-9750.0
Peri syncol pori tes pokorny i	*	*
Pol ypodi i spori tes sp	*	-9450.0
Proteaci di tes tri angul atus	-10320.0	-10320.0
Proxaperti tes terti ari a	-10680.0	*
R i rregul ari s	-11670.0	-9930.0
Ranuncul aci di tes opercul atus	-13765.0	-9450.0
Reti tri col pi tes si mpl ex	-10140.0	-10140.0
Rhoi pi tes gui anensi s	*	*
Sel enopemphi x nephroi des	-11780.0	-10890.0
Sel enopemphi x sel enoi des	-11550.0	-11550.0
Spi rosyncol pi tes spi ral i s	-13885.0	-10890.0
Stri atopol l i s catatumbus	*	-10080.0
T macul osus	-13990.0	-10720.0
Tubercul odi ni um vancampoae	-11780.0	*
Verrucatospori tes usmensi s	*	*
Zonocosti tes ramonae	*	-9450.0
di nocyst C2acme	-11310.0	-10860.0

*Taxon	b3B	
	Base	Top
A mul ti spi no sum	-15352.0	*
Al ter bi di ni um spp	-16255.5	-16056.7
Andal usi el la gabonensi s	-16461.5	-16285.42
Andal usi el la mauthei	-16487.25	-16285.42
Andal usi el la pol ymorpha	-16485.75	-16320.0
Annutri pori tes i verseni i	-15523.0	-15250.08
Araucari aci tes australi s	-16712.5	-16034.2
Araucari aci tes spp	-16686.0	-16000.2
Areol i gera spp	-16248.0	-16230.5
Ari adnaespori tes spi no sus	-16461.5	-16461.5
B foveoreti cul atus	-15523.0	-15214.0
Barco	-16115.0	-16115.0
Bombacaci di tes annae	-16114.1	-16000.2
Bombacaci di tes brevi s	-15537.67	*
Bombacaci di tes sol eaformi s	-15326.67	-15205.92
Cerodi ni um bol oni ense	-16687.75	-16286.0
Cerodi ni um di ebel i i	-16390.0	-16320.0
Cerodi ni um granul ostri atum	-16487.25	-16286.0
Cerodi ni um leptodermum	-16479.0	-16456.33
Cerodi ni um spp	-16700.58	-16285.42
Ci catri cosi spori tes dorogensi s	-15386.08	*
Ci rcul odi ni um di sti nctum	-16765.58	-16302.0
Corsi ni pol leni tes sp	-16232.7	-16000.2
Cri broperi di ni um spp	-16786.83	-16314.0
Crototri col pi tes annemari ae	-15578.42	*
Cuervos	-15510.0	-15510.0
Di nogymni um acumi natum	-16795.66	-16314.0
Di nogymni um di gi tus	-16487.25	-16485.75
Di nogymni um nel sonense	*	-16361.17
Di nogymni um spp	*	-16308.0
E gracil i s	-15386.08	-15205.92
E sol i tari us	-15386.08	-15204.0
E tri angul i formi s orbi cul ari s	-15352.0	*
Echi monocol pi tes densus	-15537.67	-15214.0
Echi peri pori tes estel ae	-15360.42	-15264.08
Echi tri letes muel leri	-15516.16	*
Echi tri pori tes tri angul i formi s	-16355.0	-16046.0
Ephedri pi tes vanogensi s	-16056.7	-16022.3
Exochosph acmel wGuadal upe	-16705.83	-16705.83
Exochosphaeri di um bi fi dum	*	-16285.42
Foveotri col pi tes perforatus	-16112.2	-16000.2
Foveotri letes margari tae	-16729.75	-16010.2
Foveotri pori tes hammeni i	-15537.67	-15214.0
G brevi cul us	-15278.0	*
G pol ymorphus	-15326.67	-15204.0
Gaboni spori s spp	-16402.33	-16390.0
Gaboni spori tes vi gourouxi i	-16795.66	-16285.42
Gemma macrogemmatus	-16264.2	-16222.9
Gemmamonocol pi tes gemmatus	-16248.0	-16242.0
Gri msdal ea pol ygonal i s	-15214.0	-15214.0
Guadal upe	-16285.0	-16285.0
Heterocol pi tes pal aeoceni ca	-16267.0	-16041.3
Homotrybl i um fl ori pes	-15386.08	-15332.5
Hystri chodi ni um pul chrum	*	-16302.0
Incertaine sedi sFasol a	-16477.25	-16285.42
Jandufouri a seamrogi formi s	-15332.5	-15237.5
Ladakhi pol leni tes si mpl ex	-16097.0	-15362.42
Laevi gatospori tes catanej ensi s	-15365.5	-15365.5
Lanagi opol l i s crassa	-15386.08	-15230.25
Li ngul odi ni um machaerophorum	-15368.08	*
Longaperti tes proxaperti toi des	-15574.58	-15216.92
Longaperti tes vaneendenburgi	-16230.5	-15574.58

	b3B	
M franci scoi franci scoi	-16267.0	*
M franci scoi mi nutus	-15360.42	*
Manumel la? cretacea	-16361.17	-16308.0
Margocolporites vanwijhei	-15526.16	-15352.0
Mauritidi tes crassibaculatus	-16267.0	-16034.2
Mfrancis coi pachyexi natus	-16264.2	*
Mirador	-15150.0	-15150.0
Monoporopollenites annulatus	-15523.0	*
Odontochitina costata	-16777.0	-16390.0
Odontochitina operculata	-16777.0	-16348.42
Odontochitina spp	-16735.83	-16325.5
Oligosphaeridium complex	-16761.92	-16687.75
Pinfusorioides	*	-16296.0
Pmagnosagenatus	-16255.5	-16010.2
Peroperculatus acme Cuervos	-16114.1	-16092.2
Ptriangularis	-15383.16	*
Pverrucosus	-15537.67	*
Palaeocystodinium australinum	-16232.7	-16232.7
Palaeocystodinium golzowense	-16113.9	-16113.9
Palaeocystodinium spp	-16302.0	-16290.0
Perforicolpites digittatus	-15365.5	-15332.5
Periretisyncolpites giganteus	-16267.0	-16222.9
Perisyncolpites pokornyi	-15386.08	*
Polotricolporites versabilis	-15574.58	-15266.67
Polypoditesporites sp	-15578.42	*
Proxapertites humbertoi des	-16114.1	-15250.08
Proxapertites magnus	-16149.2	-16000.2
Proxapertites operculatus	-16217.3	-15230.25
Proxapertites tertiaria	-15599.67	-15278.0
Pseudo perfectus	-15386.08	*
Psilaperiporites minimus	-15386.08	*
Psilastephanocillius	-15362.42	-15227.25
Psilatriletes < 25mic	*	-16000.2
Psilatriletes sp 25-50mic	-16795.66	*
Rfestivus	-15216.92	*
Rirregularis	-15386.08	*
Rretifossilatus	-15537.67	*
Rminutiporus	-15579.08	-15230.25
Racemonocolpites facillius	-15523.0	-15214.0
Racemonocolpites racematus	-16267.0	*
Retibrevitricolpites retibolus	-15512.58	-15214.0
Retibrevitricolpites triangulatus	-15332.5	*
Retidiporites magdalenensis	-16267.0	-16000.2
Retistephanocolpites angeli	-15579.08	-15258.75
Retistephanocolpites williamsi	-15588.25	-15588.25
Retisyncolporites angularis	-15386.08	-15386.08
Retisyncolporites aureus	-15314.42	-15274.75
Retitrescolpites magnus	-15530.33	-15230.25
Retitrescolpites saturum	-15383.16	-15204.0
Retitricolpites maturus	-15574.58	-15216.92
Retitricolpites dubiosus	-15579.08	*
Rhoipites guianensis	-15386.08	-15216.92
Rhoipites hispidus	-15523.0	-15214.0
Senegalini m laevigatum	-16487.25	-16296.0
Senegalini um bicavatum	-16487.25	-16477.25
Senegalini um spp	-16700.58	-16285.42
Spinizonocolpites baculatus	-16267.0	-16248.0
Spinizonocolpites grandis	-15537.67	*
Spirosyncolpites spiralis	-15537.67	*
Sspiralis acmeupperMirador	-15230.25	-15230.25
Subtilisphaera acmeGuadalupe	-16675.0	-16675.0
Subtilisphaera spp	-16761.92	-16675.0
Syncolporites poricostatus	-15512.58	-15237.5

	b3B	*
T macul osus	-15588.25	
T transversal is	-15579.08	-15214.0
Tcastanea acmel wupGuadal	-16456.33	-16456.33
Tri chodi ni um castanea	-16487.25	-16320.0
Tri col pi tes antoni i	-15599.67	-15205.92
Tri col pi tes cl arensi s	-15574.58	-15214.0
Tri thyrodi ni um spp	-16758.0	-16296.0
Ul moi dei pi tes krempi i	-16114.1	-15516.16
Uni ponti di ni um acmel wGuadal	-16686.0	-16686.0
Uni ponti di ni um grande	-16795.66	-16662.75
Xenascus cerati oi des	-16795.66	-16285.42
Zl i vi spori s bl anensi s	-16232.7	-16010.2
acme mi ddl eshal eMi rador	-15352.0	-15332.5
al gae acmeGuadal upe	-16408.0	-16402.33

*Taxon	Base	Top
A eucl aense	-18313.5	-17846.17
Andalusi el l a gabonensi s	-18002.75	-17776.0
Andalusi el l a mauthei	-18043.5	-17782.0
Andalusi el l a polymorpha	-18117.08	-17855.17
Araucari aci tes spp	-18313.5	-17826.0
Ari adnaespori tes spi nosus	-18313.5	-17776.0
B foveoreti cul atus	-16809.16	-16809.16
Barco	-17526.0	-17526.0
Bombacaci di tes brevi s	-16935.66	-16863.25
Cerodi ni um bol oni ense	-18198.66	-17776.0
Cerodi ni um granul ostri atum	-18181.5	-17776.0
Cerodi ni um leptodermum	-18043.5	-17776.0
Cerodi ni um spp	-18340.0	-17776.0
Ci catricosi spori tes dorogensi s	-16818.5	*
Ci rcul odi ni um di sti nctum	-18385.83	-18385.83
Cri broperi di ni um spp	-18227.33	-17979.17
Crototri col pi tes annemari ae	-17092.42	-16912.92
Cuervos	-17067.0	-17067.0
Di nogymni um acumi natum	*	-17812.92
Di nogymni um nel sonense	*	-17855.17
Di nogymni um spp	*	-17812.92
Di nogymni um undul osum	-18313.5	-18035.5
E sol i tari us	-17079.92	-16809.16
E tri angul i formi s orbi cul ari s	-17097.58	*
Echi monocol pi tes densus	-16912.92	-16912.92
Echi peri pori tes estel ae	-16960.0	*
Echi tri letes muel leri	-16957.0	-16957.0
Exochosph acmel wGuadal upe	-18198.66	-18187.5
Exochosphaeri di um bi fi dum	-18385.83	-17782.0
Fasol a acmeGuadal	-17866.92	-17851.5
Foveotri letes margari tae	-18250.5	-17782.0
Foveotri pori tes hammeni i	-16945.0	-16809.16
G brevi cul us	-16863.25	-16863.25
G pol ymorphus	-16809.16	-16809.16
Gaboni spori tes vi gourouxi i	-18192.5	-17776.0
Gacheta	-18355.0	-18355.0
Guadal upe	-17776.0	-17776.0
Hystri chodi ni um pul chrum	*	-17846.17
I ncertae sedi sFasol a	-18009.33	-17776.0
Jandufouri a seamrogi formi s	-16720.25	*
L crassa acmeupperMi rador	-16818.5	-16818.5
Laevi gatospori tes catanej ensi s	-16720.25	*
Lanagi opol l i s crassa	-16818.5	-16809.16
Longaperti tes proxaperti toi des	-16948.0	-16912.92
M franci scoi franci scoi	-17092.42	*
Manumi el l a? cretacea	-17882.33	-17846.17
Margocol pori tes vanwi j hei	-17087.42	-16942.0
Mfranci scoi pachyexi natus	-16957.0	-16957.0
Mi rador	-16697.0	-16697.0
Monoporopol l eni tes annul atus	-16960.0	-16863.25
Odontochi ti na costata	-18250.5	-17979.17
Odontochi ti na opercul ata	-18293.0	-17957.5
Odontochi ti na spp	-18340.0	-17866.92
Oli gosphaeri di um compl ex	-18313.5	-18227.33
Oli gosphaeri di um pul cherri mum	-18313.5	-18313.5
P i n fusori oi des	*	-17851.5
P verrucosus	-16809.16	-16809.16
Pal aeocystodi ni um spp	-17846.17	-17846.17
Perfotri col pi tes di gi tatus	-16720.25	*
Pol otri col pori tes versabi l i s	-16938.58	-16938.58
Pol ypodi i spori tes sp	-17090.5	*
Proxaperti tes humbertoi des	-17092.42	-17092.42

		c5
Proxapertites tertiaria	-16909.0	*
Pseudo perfectus	-16863.25	-16818.5
Psilastephanoc fissilis	-17090.5	-17090.5
Psilatriletes < 25mic	*	-17776.0
Psilatriletes sp 25-50mic	*	*
R irregularis	-16945.0	-16818.5
R minutiporus	-16720.25	*
R reti fossulatus	-16938.58	-16938.58
Racemonocolpites racematus	-16938.58	-16938.58
Reti stephanocolpites angeli	-17097.58	-17097.58
Reti trescolpites magnus	-16948.0	-16942.0
Reti triccolpites maturus	-16863.25	-16863.25
Senegalini m laevigatum	-17992.0	-17992.0
Senegalini um bicavatum	-18035.5	-17776.0
Senegalini um spp	-18043.5	-17782.0
Spirosyncolpites spiralis	-16960.0	-16809.16
Sspiralis acmeupperMirador	-16809.16	-16809.16
Striatopollis catatumbus	-16960.0	-16809.16
Subtilisphaera acmeGuadalupe	-18313.5	-18293.0
Subtilisphaera spp	-18313.5	-17995.92
T maculosus	-16960.0	*
T transversalis	-16957.0	-16957.0
Tcastanea acmelwupGuadal	-18043.5	-17995.92
Trichodini um castanea	-18043.5	-17846.17
Trithyrodini um spp	-17999.92	-17776.0
Ulmoides krempfi	-16948.0	-16938.58
Unipontidini um acmelwGuadal	-18234.83	-18160.58
Unipontidini um grande	*	-18160.58
Xenascus ceratoides	*	-17846.17
Yolkinigymni um spp	-17861.5	-17851.5
Ziliviporis blansensis	-18385.83	-18035.5
algaecmeGuadalupe	-17957.5	-17897.5

*Taxon	cg3	
	Base	Top
A euclaense	-2330.0	-2330.0
Al terbi di ni um spp	*	-2960.0
Andalusi el la gabonensi s	-3530.0	-1580.0
Andalusi el la mauthei	-3380.0	-1550.0
Andalusi el la polymorpha	-2510.0	-160.0
Araucari aci tes australi s	*	*
Arecipi tes regi o	-2090.0	*
Areol igera spp	-2570.0	-2450.0
Ari adnaespori tes spi nosus	-3740.0	-160.0
B tausae	-3290.0	-1340.0
Bombacaci di tes annae	-1180.0	-280.0
Butti ni a andreevi	*	-1790.0
Cerodi ni um bol oni ense	*	-2150.0
Cerodi ni um di ebel i i	*	-2300.0
Cerodi ni um granul ostri atum	*	-1490.0
Cerodi ni um spp	*	*
Ci rcul odi ni um di sti nctum	-3770.0	-2720.0
Cl avati spori tes muti si i	-1490.0	-160.0
Col ombi pol li s tropi cal i s	-3620.0	*
Cordosphaeri di um i nodes	-1850.0	-1610.0
Coroni fera oceani ca	-3680.0	-3680.0
Cri broperi di ni um spp	-3680.0	-2540.0
Crusafonti tes grandi osus	-2930.0	-1370.0
Ctenol ophoni di tes li samae	-680.0	-610.0
Di nogymni um acumi natum	*	-2060.0
Di nogymni um spp	*	-2930.0
Dupl otri pori tes ari ani i	-3950.0	-1490.0
E protofranci scoi	*	-1040.0
Echi monocol pi tes densus	-2270.0	-2270.0
Echi tri letes i ntercol ensi s	-3620.0	-2810.0
Echi tri letes muel leri	-2810.0	*
Echi tri pori tes tri angul i formi s	-2390.0	*
Ephedri pi tes vanegensi s	-250.0	-250.0
Foveotri letes margari tae	-3860.0	*
Gaboni spori tes vi gourouxi i	-3950.0	-1610.0
La Luna	-3957.0	-3957.0
Longaperti tes mi crofoveol atus	-2720.0	-2720.0
Longaperti tes proxaperti toi des	-3140.0	*
Longaperti tes vaneendenburgi	-2630.0	-190.0
M franci scoi franci scoi	-1240.0	*
M franci scoi mi nutus	-710.0	-710.0
Magnotetradi tes magnus	-2690.0	-2390.0
Mfranci scoi pachyexi natus	-980.0	-160.0
Mi to Juan	-1738.0	-1738.0
Oli gosphaeri di um compl ex	*	-2150.0
P i nfu sori oi des	-3140.0	-3140.0
P magnosagenatus	-1550.0	-1490.0
Pal aeocystodi ni um austral i num	-2420.0	-160.0
Pal aeocystodi ni um gol zowense	-3620.0	-830.0
Peri reti syncol pi tes gi ganteus	-2420.0	-1670.0
Pol ypod i spori tes sp	*	*
Proteaci di tes dehaani	-3560.0	-1310.0
Proxaperti tes cursus	-3320.0	-160.0
Proxaperti tes humbertoi des	-3860.0	-610.0
Proxaperti tes magnus	-680.0	-680.0
Proxaperti tes opercul atus	-3290.0	*
Proxaperti tes verrucatus	-3950.0	-160.0
Psi latri letes sp 25-50mi c	-3950.0	*
R reti fossul atus	-2330.0	*
Racemonocol pi tes faci li s	-610.0	-610.0
Racemonocol pi tes racematus	-1490.0	-950.0
Reti brevi tri col pi tes reti bol us	-160.0	-160.0

		cg3
Reti brevis tricolpites triangulatus	-1580.0	-1580.0
Reti di porites elongatus	-3950.0	-250.0
Reti di porites magdalenensis	-2810.0	-280.0
Senegalinium bicavatatum	-3530.0	-1820.0
Senegalinium spp	-3410.0	-1670.0
Spirinizonocolpites baculatus	-3950.0	-160.0
Spirinizonocolpites echinatus	-3440.0	-1080.0
Stephanocolpites costatus	-2840.0	-950.0
Subtilisphaera spp	*	-3140.0
Syndemicolpites typicus	-3170.0	-1110.0
Tetradites umirensis	-3950.0	-160.0
Trithyrodinium spp	*	-280.0
Ulmoides pites krempii	-3650.0	*
Xenascus ceratioides	-2450.0	-1910.0
Zilivisporis blanchensis	-3740.0	*
Zonotricolpites variabilis	-160.0	*



*Taxon	n1	
	Base	Top
Arecipi tes regio	-4120.0	-4120.0
B mi croechi natus	-4090.0	-4090.0
Bombacaci di tes baumfal ki	-4090.0	-460.0
Bombacaci di tes brevis	-4330.0	-310.0
Bombacaci di tes echi natus	-4060.0	-4060.0
C col umbi anus	-3340.0	-550.0
C6	-470.0	-470.0
C7	-1170.0	-1170.0
C8	-2504.0	-2504.0
Catostemma type	-4180.0	-970.0
Ci catri cosi spori tes dorogensi s	*	*
Concavi ssi mi spori tes fossul atus	-4060.0	-280.0
Corsi ni pol l eni tes sp	-3700.0	-1150.0
Cycl usphaera scabrata	-4330.0	-520.0
E acanthotri l etoi des	-760.0	-460.0
E tenui exi natus	*	-4450.0
E tri angul i formi s orbi cul ari s	*	-3940.0
Echi nati spori s brevispi nosus	-4120.0	-4120.0
Echi peri pori tes akanthos	-4060.0	-280.0
Echi peri pori tes estel ae	-4330.0	-1240.0
Echi tri l etes muel l eri	-2710.0	*
Foveotri l etes ornatus	-460.0	-460.0
Horni el l a sp3JD	-4000.0	-1120.0
Jandufouri a mi nor	*	*
Jandufouri a mi nutus	-4420.0	-1150.0
Jandufouri a seamrogi formi s	*	*
Laevi gatospori tes catanej ensi s	-820.0	-820.0
Laevi gatospori tes ti buensi s	*	*
Lanagi opol l i s crassa	-4300.0	-460.0
M franci scoi franci scoi	-4300.0	-310.0
M franci scoi mi nutus	-4390.0	-280.0
M pauci poratus	-4030.0	-4030.0
Magnaperi pori tes spi nosus	-3310.0	-760.0
Magnaatri ati tes grandi osus	-3430.0	-1150.0
Margocol pori tes vanwij hei	-2320.0	-490.0
Mf pachyexi n small ech	-4420.0	-850.0
Mfpachyexi natus longspi nes	-4150.0	-4060.0
MgMfJs Ca5ACME	-2710.0	-1120.0
Mi rador	-4124.0	-4124.0
Monoporopol l eni tes annul atus	-4060.0	-280.0
Nothofagi di tes huertasi i	*	-4000.0
P herngreeni i	-2830.0	-460.0
P pachydermatus	-3460.0	-1630.0
P tri angul ari s	-4120.0	-310.0
P verrucosus	-3250.0	-3250.0
Perfotri col pi tes di gi tatus	-4390.0	-1240.0
Peri syncol pori tes pokorny i	-4390.0	*
Pol ypodi i spori tes sp	*	-280.0
Pol ysphaeri di um subt i l e	-4120.0	-4120.0
Proxaperti tes opercul atus	*	-460.0
Proxaperti tes terti ari a	-2680.0	-1450.0
Psi l aperi pori tes i ntensus	-3700.0	-520.0
Psi l aperi pori tes robustus	-2560.0	-2500.0
Psi l astephanoc fi ssi l i s	-4270.0	-970.0
Psi l atri col pori tes costatus	-1150.0	-460.0
Psi l atri l etes < 25mi c	*	*
Psi l atri l etes > 50mi c	-4360.0	-310.0
Psi l atri l etes sp 25-50mi c	*	*
R crassi annul atus	-1780.0	-520.0
R i rregul ari s	*	*
R mi nuti porus	-4420.0	-1150.0
R pl anopol ari s	-1180.0	-1120.0

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Ranuncul aci di tes opercul atus	-3310.0	-460.0
Reti tri col pi tes fi ni tus	-3490.0	*
Reti tri col pi tes si mplex	*	-460.0
Reti tri col pori tes esponj osus	-3910.0	-550.0
Rhoi pi tes gui anensi s	-4090.0	-310.0
Rhoi pi tes hi spi dus	-4060.0	-460.0
S pl anetensi s	-3130.0	-460.0
S tenui stri atus	-3040.0	-280.0
Spi rosyncol pi tes spi rali s	-4420.0	-310.0
Stri atopol li s catatumbus	-4330.0	-3910.0
Stri atri letes saccol omni ci tes	*	-460.0
T macul osus	-4390.0	-310.0
T transversali s	-4420.0	*
Tri col pi tes cl arensi s	-4120.0	-4120.0
Tubercul odi ni um vancampoae	-2650.0	-2650.0
Tuberosi tri letes verrucatus	-4120.0	-4120.0
Ul moi dei pi tes krempi i	-3700.0	-3640.0
V rotundi porus	-2950.0	-1210.0
Verrucatospori tes usmensi s	-3790.0	-280.0
Verrutri letes vi ruel ensi s	-4060.0	*
Zonocosti tes ramonae	-1180.0	-1180.0

*Taxon	pi nali eri ta	
	Base	Top
A ci ngul atus	-167.6	-167.6
A foveol ata	-2315.0	-2315.0
Arecepi tes regi o	-2557.1	-1015.7
B fossureti cul atus	-313.0	-167.6
B foveoreti cul atus	-0.0	*
B macroexi natus	-86.0	*
B mi croechi natus	-1872.0	-1872.0
B naci mi entoensi s	-407.5	-30.2
B si mpl i reti cul atus	-313.0	-313.0
Bacul amonocol pi tes hammeni i	-289.4	-167.6
Bacutri pori tes echi natus	-227.0	-227.0
Barco	-2574.8	-2574.8
Bombac protofoveoreti cul atus	-2474.4	-1907.5
Bombacaci di tes annae	-2474.4	-1553.1
Bombacaci di tes brevi s	-313.0	*
Bombacaci di tes gonzal ezi i	-167.6	*
Bombacaci di tes sol eaformi s	-0.0	*
C dorigensi s Ca4ACME	-86.0	-30.2
C protoannemari ae	-2474.4	-1700.8
Ci catri cosi spori tes dorigensi s	-407.5	*
Ci catri cosospori tes decussatus	-152.6	-152.6
Ci catri cosospori tes eoceni cus	-313.0	*
Cl avati spori tes muti si i	-2066.9	-2066.9
Cl avatri col pi tes densi cl avatus	-407.5	*
Col ombi pol l i s tropi cal i s	-2143.7	-2143.7
Cordosphaeri di um i nodes	-407.5	-167.6
Corsi ni pol l eni tes psi l atus	-2557.1	-1872.0
Corsi ni pol l eni tes sp	-1700.8	-1553.1
Corsi ni pol l eni tes undul atus	-407.5	-30.2
Cri cotri pori tes el ongatoporus	-152.6	-30.2
Cri cotri pori tes gui anensi s	-1015.7	-1015.7
Cri cotri pori tes macroporus	-486.2	-30.2
Cri cotri pori tes mi nuti porus	-227.0	-227.0
Crusafonti tes megagemmatus	-167.6	-167.6
Ctenol ophoni di tes cruci atus	-313.0	-313.0
Cuervos	-1009.8	-1009.8
Curvi monocol pi tes i nornatus	-2557.1	-2229.3
Cycl usphaera scabrata	-486.2	*
E tenui exi natus	-227.0	*
E tri angul i formi s orbi cul ari s	-407.5	*
Echi nati spori s brevi spi nosus	-407.5	*
Echi peri pori tes estel ae	-313.0	-30.2
Echi tri pori tes vari abi l i s	-407.5	*
Ephedri pi tes vanegensi s	-2315.0	-2143.7
Foveotri col pi tes perforatus	-2309.1	-1700.8
Foveotri col pori tes fossul atus	-313.0	-167.6
Foveotri col pori tes rugul atus	-407.5	*
Foveotri pori tes hammeni i	-407.5	-30.2
Gemmamonocol pi tes gemmatus	-2557.1	-2315.0
Homotrybli um fl ori pes	-313.0	-167.6
Horni el l a sp3JD	-1553.1	*
I schyospori tes probl emati cus	-1931.1	-1015.7
Jandufouri a mi nor	-336.6	*
K tenui radi atus	-152.6	-152.6
Ladakhi pol l eni tes rubi ni i	-227.0	-152.6
Ladakhi pol l eni tes si mpl ex	-268.7	-242.8
Laevi gatospori tes sp 1JD	-2309.1	-2309.1
Laevi gatospori tes ti buensi s	-2453.4	*
Laki apol l i s affovatus	-227.0	-227.0
Lanagi opol l i s crassa	-407.5	*
Li ngul odi ni um cfsi cul a	-268.7	-167.6
Longaperti tes mi crofoveol atus	-2143.7	-1138.1

	pi nali eri ta	
Longapertites sp 1JD	-268.7	*
Lp proxapertitoides	-2229.3	-289.4
Lp reticuloides	-1015.7	-30.2
Luminidites colombianensis	-313.0	-105.6
M franciscoi franciscoi	*	*
M franciscoi minutus	-2474.4	*
M pauciporatus	-407.5	-59.1
M franciscoi pachyexinatus	-364.2	-196.5
Mirador	-230.3	-230.3
Momipites africanus	-2474.4	-2453.4
Monocolpopollenites ovatus	-2315.0	*
Monoporopollenites annulatus	-486.2	-30.2
Nothofagidites huertasi	-86.0	*
P affspeciosus	-407.5	*
P distinctus	-1931.1	-1872.0
P fossulatus	-2309.1	-30.2
P operculatus acme Cuervos	-2315.0	-2229.3
P pachyexinatus	-1553.1	-1553.1
P simpliciformis	-2453.4	-1700.8
P triangularis	-289.4	*
Perfotricolpites digitatus	-313.0	-227.0
Perisyncolporites pokorny	-407.5	*
Poloretitricolpites absolutus	-152.6	-152.6
Polypodispores echinatus	-2143.7	-2143.7
Polysphaeridium subtile	-407.5	-152.6
Propylipollis pseudocostatus	-407.5	-407.5
Proxapertites cursus	-2557.1	-268.7
Proxapertites humbertoides	-2474.4	-59.1
Proxapertites magnus	-2557.1	-242.8
Proxapertites operculatus	-2474.4	-30.2
Pseudo perfectus	-268.7	*
Psilastephanoc fissilis	-364.2	-30.2
Psilatriletes < 25mic	-2578.7	*
Psilatriletes > 50mic	-407.5	*
Psilatriletes sp 25-50mic	-2474.4	*
R amplireticulatus	-1931.1	-1931.1
R crassixinatus	-313.0	-313.0
R festivus	-313.0	*
R fossulatus	-313.0	-152.6
R irregularis	-486.2	*
R minutiporus	-313.0	-152.6
R speciosus	-486.2	-167.6
Racemonocolpites facilis	-486.2	*
Racemonocolpites racematus	-2421.3	-2421.3
Ranunculacidites operculatus	-242.8	-242.8
Retibrevitricolpites retibolus	-242.8	-242.8
Retibrevitricolpites triangulatus	-289.4	-242.8
Retibrevitricolporites grandis	-486.2	*
Retidiporites elongatus	-1931.1	-1931.1
Retidiporites magdalenensis	-2557.1	-1700.8
Retidiporites poricostatus	-2315.0	-2315.0
Retistephanocolpites angeli	-2421.3	-1553.1
Retistephanoporites angelicus	-152.6	*
Retitrescolpites baculatus	-2143.7	*
Retitrescolpites magnus	-407.5	-86.0
Retitrescolpites pecularis	-2309.1	-1700.8
Retitrescolpites saturum	-1931.1	-1700.8
Retitriporites poricostatus	-313.0	-59.1
Rhoipites cienagensis	-268.7	-86.0
Rhoipites guianensis	-407.5	*
Rhoipites hispidus	-242.8	*
Rugotriporites felix	-313.0	-313.0
S brevichinatus	-2474.4	-1700.8

	pi nali eri ta	
S pachyexi natus	-1553.1	-1553.1
Sil taria mari posa	-1015.7	-1015.7
Spi ni zonocol pi tes grandi s	-407.5	-167.6
Spi rosyncol pi tes spi rali s	-486.2	*
Striatopol li s catatumbus	-486.2	*
Striatri col pori tes di gi tatus	-2453.4	-2453.4
Syncol pori tes li samae	-2066.9	-2066.9
T macul osus	-289.4	*
T spongi osus	-2453.4	-1553.1
T transversali s	-1807.1	-167.6
Tetracol pori tes pachyexi natus	-313.0	-152.6
Tri col pi tes antoni i	-289.4	-289.4
Tri col pi tes cl arensi s	-1015.7	*
Tri col pi tes protocl arensi s	-2557.1	-1700.8
Tuberosi tri letes verrucatus	-407.5	*
Ul moi dei pi tes krempi i	-2557.1	-1700.8
V di sti nctus	-167.6	-86.0
V rugul atus	-1015.7	-289.4
Verrutri col pori tes reti cul atus	-513.8	*
Zonocosti tes mi nor	-167.6	-86.0
acme mi ddl eshal eMi rador	-407.5	-407.5
di nocyst l owermostC8acme	-196.5	-196.5

*Taxon	r1	
	Base	Top
A mul ti spi no sum	-14788.25	-14785.33
Al ter bi di ni um spp	-15543.5	-15520.3
Andal usi el la ga bonen si s	-15702.5	-15544.9
Andal usi el la ma uthei	-15702.5	-15544.9
Andal usi el la pol ymor pha	-15702.5	-15610.0
Annutri pori tes i ver sen i	-14727.17	-14645.83
Araucari aci tes spp	-15980.0	-15466.8
Areol i gera spp	-15534.2	-15520.3
Ari adnaespori tes spi no sus	-15683.42	-15630.42
B foveo reti cul atus	-14785.33	-14574.0
Barco	-15340.5	-15340.5
Bombacaci di tes baum fal ki	-12188.0	-8170.0
Bombacaci di tes bre vi s	-14652.0	-14556.08
Bombacaci di tes sol ea formi s	-14691.92	-14604.33
Bombacaci di tes zuatensi s	-11710.0	-8350.0
C tenui tabul atum	-11710.0	-9670.0
C1	-7925.0	*
C2	-9364.0	-9364.0
C3	-9904.0	-9904.0
C4	-10219.0	-10219.0
C5	-10400.0	-10400.0
C6	-11630.0	-11630.0
Catostemma type	-14574.0	-14574.0
Cerodi ni um bol oni ense	-15910.83	-15544.9
Cerodi ni um gran ul ostri atum	-15877.5	-15702.5
Cerodi ni um l eptodermum	-15855.5	-15827.75
Cerodi ni um spp	-15910.83	-15544.9
Ci catri cosi spori tes dorogensi s	-14788.25	*
Ci rcul odi ni um di sti nctum	-15630.42	-15544.9
Corsi ni pol l eni tes sp	-15496.0	-8590.0
Cri broperi di ni um edwardsi i	-11530.0	-11228.0
Cri broperi di ni um spp	-15949.66	-15667.5
Cri cotri pori tes gui anensi s	-14587.25	-14587.25
Crototri col pi tes annemari ae	-14682.25	-8170.0
Cuervos	-14950.0	-14950.0
Di nogymni um acumi natum	-15984.42	-15955.92
Di nogymni um nel sonense	*	-15610.0
Di nogymni um spp	*	-15610.0
Di nogymni um undul osum	-15984.42	-15980.0
E gracil is	-14774.08	-14609.677
E sol i tari us	-14818.08	-14587.25
E tri angul i formi s orbi cul ari s	-15000.25	*
Echi monocol pi tes densus	-15534.2	-14587.25
Echi peri pori tes estel ae	-12818.0	-8110.0
Echi tri col pori tes mari stel lae	-10030.0	-8050.0
Echi tri col pori tes spi no sus	-11710.0	*
Echi tri l etes muel leri	-14667.0	*
Exochosphaeri di um bi fi dum	*	-15702.5
Fasol a acmeGuadal	-15667.5	-15545.0
Foveotri l etes margari tae	-15949.66	-15466.8
Foveotri pori tes hammeni i	-14788.25	-14609.677
G bre vi cul us	-14774.08	-14597.42
G pol ymor phus	-14770.92	-14565.08
Gaboni spori tes vi gourouxi i	-15949.66	-15610.0
Gemma macrogemmatus	-15496.0	-15496.0
Gemmamonocol pi tes gemmatus	-15534.2	-15496.0
Gri msdal ea magna cl avata	-7940.0	*
Gri msdal ea pol ygonal is	-14652.0	-14600.83
Guadal upe	-15544.5	-15544.5
Homotrybl i um fl ori pes	-15538.1	-14770.92
Hystri chodi ni um pul chrum	*	-15610.0
Hystri chosphaeropsi s obscura	-9490.0	-9490.0

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Incertae sedi sFasola	-15683.42	-15545.0
Jandufouri a seamrogi formi s	-14691.92	*
Ladakhi pol l eni tes si mpl ex	-15910.83	-14574.0
Laevigatospori tes catanej ensi s	-15538.1	-14785.33
Laevigatospori tes ti buensi s	-12938.0	*
Lanagi opol l i s crassa	-14788.25	-9730.0
Li ngul odi ni um machaerophorum	-10090.0	*
Longaperti tes proxaperti toi des	-15000.25	-14818.08
M franci scoi franci scoi	-15000.25	*
M franci scoi mi nutus	-15505.4	-14689.25
Magnaperi pori tes spi nosus	-12938.0	*
Magnastri ati tes grandi osus	-12938.0	*
Margocol pori tes vanwij hei	-14788.25	-14788.25
Mauri ti i di tes crassi bacul atus	-15534.2	-8350.0
Mfranci scoi pachyexi natus	-14794.08	-14600.83
Mi rador	-14584.0	-14584.0
Monoporopol l eni tes annul atus	-14818.08	*
Ni j ssenospori tes fossul atus	-10808.0	-10808.0
Odontochi ti na opercul ata	*	-15630.42
Odontochi ti na spp	*	-15855.5
Oli gosphaeri di um compl ex	*	-15949.6
P i nfusori oi des	*	-15610.0
P verrucosus	-14689.25	-14600.83
Pal aeocystodi ni um austral i num	-15528.5	-15528.5
Pal aeocystodi ni um gol zowense	-15534.2	-15505.4
Perfotri col pi tes di gi tatus	-14659.92	-8410.0
Peri reti syncol pi tes gi ganteus	-15534.2	-15439.5
Peri syncol pori tes pokorny i	-14788.25	*
Pol otri col pori tes versabi l i s	-14785.33	-14587.25
Pol ypod i spori tes sp	-15000.25	*
Proteaci di tes tri angul atus	-8410.0	-8110.0
Proxaperti tes magnus	-15466.8	-15000.25
Proxaperti tes opercul atus	-15505.4	-14691.92
Proxaperti tes terti ari a	-14802.33	-7990.0
Pseudo perfectus	-14691.92	-14597.42
Psi l aperi pori tes mi ni mus	-14788.25	-14546.0
Psi l astephanoc fi ssi l i s	-15000.25	-14689.25
Psi l atri letes < 25mi c	*	-15544.9
Psi l atri letes sp 25-50mi c	-15544.9	-10510.0
R crassi annul atus	-8290.0	-8290.0
R festi vus	-14727.17	-14604.33
R i rregul ari s	-14827.75	-8110.0
R mi nuti porus	-12938.0	-9550.0
R reti fossul atus	-14609.677	-14609.677
Racemonocol pi tes faci l i s	-14785.33	-14626.33
Racemonocol pi tes racematus	-15000.25	-14609.677
Reti brevi tri col pi tes reti bol us	-14600.83	-14600.83
Reti brevi tri col pi tes tri angul atus	-14827.75	-14574.0
Reti di pori tes magdal enensi s	-15534.2	-15439.5
Reti stephanocol pi tes angel i	-14691.92	-14597.42
Reti stephanopori tes angel i cus	-14689.25	-14546.0
Reti syncol pori tes aureus	-14818.08	-14691.92
Reti trescol pi tes saturum	-14600.83	-14574.0
Reti tri col pi tes maturus	-14788.25	-14574.0
Reti tri col pi tes si mpl ex	-14774.08	-10870.0
Reti tri pori tes dubi osus	-14774.08	-14691.92
Rhoi pi tes gui anensi s	-14794.08	*
Rhoi pi tes hi spi dus	-14747.58	-14574.0
Sel enopemphi x sel enoi des	-8170.0	-8170.0
Senegal i ni m l aevi gatum	-15671.75	-15671.75
Senegal i ni um bi cavatum	-15702.5	-15671.75
Senegal i ni um spp	-15702.5	-15544.9
Spi ni zonocol pi tes bacul atus	-15534.2	-15496.0

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Spi ni zonocol pi tes grandi s	-14788.25	-14574.0
Spi rosyncol pi tes spirali s	-14818.08	-7990.0
Striatopollis catatumbus	-14818.08	*
Subtilisphaera spp	-15984.42	-15671.75
T maculosus	-14691.92	*
T transversalis	-14818.08	-14609.677
Tri chodini um castanea	-15702.5	-15544.9
Tri col pi tes antoni i	-14691.92	-14604.33
Tri col pi tes clarensi s	-14645.83	-14626.33
Tri thyrodi ni um spp	-15538.1	-15520.3
Tubercul odi ni um vancampoae	-10510.0	-8050.0
Ul moi dei pi tes krempi i	-15534.2	*
Uni ponti di ni um grande	*	-15855.5
V rotundi porus	-11528.0	-9490.0
Verrucatospori tes usmensi s	-14565.08	*
Wi lsoni pi tes margocol patus	-14556.08	-14556.08
Xenascus cerati oi des	*	-15827.75
Zonocosti tes ramonae	-12878.0	*
acme mi ddl eshal eMi rador	-14785.33	-14785.33
al gae acmeGuadal upe	-15630.42	-15610.0
di nocyst C2acme	-9850.0	-9670.0
di nocyst l owermostC8acme	-14565.0	-14565.0



## REGADERA

*Taxon	Base	Top
A cingulatus	-902.5	-680.0
Arcipites regio	-684.9	-684.9
B foveoreticulatus	-332.3	-79.7
B macroexinatus	-729.2	-689.9
B microcichinatus	-902.5	*
B naciementoensis	-729.2	-729.2
Baculamonocolpites hammenii	-0.5	*
Bombacacites brevis	-332.3	-79.7
Bombacacites gonzalezi	-684.9	-547.2
Bombacacites soleaformis	-586.5	-586.5
C dorogensis Ca4ACME	-0.5	*
Cicatricosporites dorogensis	-140.4	*
Clavaticolpites densiclavatus	-902.5	*
Corsiniipolienites sp	-645.6	-79.7
Corsiniipolienites undulatus	-680.0	-528.5
Criocotriporites guianensis	-902.5	-645.6
Criocotriporites macroporus	-902.5	-645.6
Cuervos	-1004.8	-1004.8
Cyclusphaera scabrata	-902.5	*
E tenuixinatus	-48.9	*
Etrianguliformis orbiculatus	-48.9	-48.9
Echinatisporites brevispinosus	-902.5	-586.5
Echinatiporites estelae	-684.9	*
Foveotriporites rugulatus	-332.3	*
Foveotriporites hammenii	-680.0	-332.3
Hornella sp3JD	-881.8	-528.5
Ladakhiipolienites rubini	-684.9	-684.9
Ladakhiipolienites simplex	-696.4	-300.8
Laevigatosporites sp 1JD	-696.4	-79.7
Laevigatosporites tiuensis	-902.5	*
Lanagipollicrassa	-48.9	*
Longapertites vaneendenburgi	-79.7	-79.7
Lp proxapertitoides	-902.5	-528.5
Lp reticuloides	-902.5	*
M franciscoides franciscoides	-1113.1	*
M franciscoides minutus	-729.2	-79.7
Margocolporites vanwijhei	-902.5	-684.9
Mfpachyexin small ech	-332.3	-79.7
Mfpachyexinatus longspines	-1113.1	-79.7
Mfranciscoides pachyexinatus	-902.5	-902.5
Mirador	-68.2	-68.2
Monocolpopolienites ovatus	-902.5	-140.4
Monoporopolienites annulatus	-734.2	-48.9
Nothofagidites huertasi	-140.4	*
P affspeciosus	-300.8	*
P triangulatus	-332.3	-332.3
Perfotriporites digitatus	-332.3	-332.3
Perisyncolporites pokorny	-79.7	*
Polypodisporites echinatus	-902.5	-586.5
Polypodisporites sp	-696.4	-79.7
Polysphaeridium subtile	-48.9	*
Proxapertites cursus	-1113.1	-79.7
Proxapertites magnus	-902.5	-902.5
Proxapertites operculatus	-881.8	-48.9
Proxapertites tertiaria	-79.7	-79.7
Pseudo perfectus	-528.5	*
Psilatriletes < 25mic	-902.5	*
Psilatriletes > 50mic	-902.5	*
Psilatriletes sp 25-50mic	-902.5	*
R festivus	-689.9	-586.5
R irregularis	-645.6	-48.9
R minutiporus	-684.9	-684.9

	REGADERA	
Reti brevi tri col por i tes grand i s	-1226.2	-79.7
Reti stephanopori tes angel i cus	-48.9	*
Reti syncol por i tes angul ari s	-48.9	*
Reti trescol pi tes bacul atus	-332.3	-332.3
Reti trescol pi tes saturum	-332.3	-332.3
Reti tri col pi tes si mpl ex	-734.2	-547.2
Rhoi pi tes hi spi dus	-678.4	-675.1
Rugotri col por i tes fel i x	-79.7	-79.7
S tenui stri atus	-902.5	-79.7
Si l tari a mari posa	-586.5	-586.5
Spi rosyncol pi tes spi ral i s	-902.5	-48.9
Stri atopol l i s catatumbus	-680.0	-79.7
Stri atri col por i tes di gi tatus	-684.9	-684.9
Syncol por i tes margi natus	-901.5	-79.7
T macul osus	-729.2	*
T transversal i s	-881.8	-79.7
Tri col pi tes cl arensi s	-729.2	-678.4
Ul moi dei pi tes krempi i	-902.5	-645.6
V di sti nctus	-48.9	-48.9
Verrutri col por i tes reti cul atus	-729.2	-48.9
Verrutri l etes vi ruel ensi s	-79.7	-79.7
Wi l soni pi tes margocol patus	-586.5	-586.5

*Taxon	ro14	
	Base	Top
A eucl aense	-5147.5	-4552.5
Al terbi di ni um spp	-6047.5	-3747.5
Andal usi el la gabonensi s	-4052.5	-3097.5
Andal usi el la mauthei	-5652.5	-3197.5
Andal usi el la polymorpha	-5652.5	-3052.5
Annutri pori tes i verseni i	-3052.5	-2697.5
Araucari aci tes austral is	-6541.5	-3002.5
Araucari aci tes spp	-6497.5	-2697.5
Areol i gera spp	-6002.5	-5147.5
Bombacaci di tes annae	-2412.5	*
Butti ni a andreevi	-5652.5	-3747.5
Hamul ati spori s caperatus	-6047.5	-3097.5
Catatumbo	-4313.0	-4313.0
Cerodi ni um granul ostri atum	-5197.5	-3052.5
Cerodi ni um spp	-6002.5	-4852.5
Ci rcul odi ni um di sti nctum	-6002.5	-3302.5
Cogol lo	-7748.0	-7748.0
Col on	-6198.0	-6198.0
Coroni fera oceani ca	-6202.5	-6202.5
Corsi ni pol leni tes sp	-5147.5	-2552.5
Cri broperi di ni um spp	-6447.5	-6447.5
Cycl onephel i um vannophorum	-6152.5	-6152.5
Di nogymni um acumi natum	-5447.5	-4447.5
Di nogymni um spp	-6047.5	-4497.5
Droseri di tes senoni cus	-6202.5	-6202.5
Dupl otri pori tes ari ani i	-5702.5	-4302.5
E protofranci scoi	-5752.5	-2697.5
Echi tri letes i ntercol ensi s	-5652.5	-3152.5
Echi tri pori tes suescae	-5752.5	-2502.5
Echi tri pori tes tri angul i formi s	-5752.5	-2447.5
Foveotri letes margari tae	-5652.5	-2697.5
Hystri chodi ni um sp	-3952.5	-3052.5
I ncertae sedi sFasol a	-5552.5	-5552.5
I sabel i di ni um acumi natum	-5507.5	-5507.5
La Luna	-7494.0	-7494.0
M franci scoi franci scoi	-2697.5	*
M sphaeroi di tes	-4447.5	-3002.5
Mfranci scoi pachyexi natus	-2602.5	-2602.5
Mi to Juan	-4800.0	-4800.0
Odontochi ti na spp	-4952.5	-4952.5
Ol i gosphaeri di um compl ex	*	-7380.0
P i n fusori oi des	-6102.5	-3097.5
Pal aeocystodi ni um spp	-5802.5	-3097.5
Proteaci di tes dehaani	-5752.5	-2747.5
Proxaperti tes cursus	-3002.5	*
Proxaperti tes humbertoi des	-5397.5	-3052.5
Proxaperti tes opercul atus	-5702.5	*
Proxaperti tes terti ari a	-4102.5	-2412.5
Psi l atri letes < 25mi c	-6541.5	-5612.5
Psi l atri letes sp 25-50mi c	-7248.0	-3397.5
Ranuncul aci di tes opercul atus	-2412.5	-2412.5
Reti di pori tes magdal enensi s	-5147.5	*
Senegal i ni um bi cavatum	-5652.5	-3002.5
Senegal i ni um spp	-5847.5	-3002.5
Spi ni zonocol pi tes bacul atus	-4802.5	-3802.5
Tri thyrodi ni um fragi le	-5552.5	-3702.5
Ul moi dei pi tes krempi i	-5352.5	-2897.5
Uri bante	-8318.0	-8318.0
Zl i vi spori s bl anensi s	-5197.5	-3197.5

*Taxon	sutatauza	
	Base	Top
Araucariacites australis	-3116.8	-1082.7
Bausae	*	-1003.9
Buttinia andreevi	*	-1200.8
Clavatisporites mutisii	-3070.9	-2322.8
Crusafontites grandiosus	-3116.8	-2336.0
Duplotriporites ariani	*	-1082.7
Eprotofranciscoi	*	-1230.3
Echitriporites trianguliformis	-2969.2	*
Ephedripites vanegensis	-2418.9	-964.6
Foveotriletes margaritae	-2637.8	*
Gemmamonocolpites gemmatus	-3116.8	-964.6
Guadalupe	-3576.1	-3576.1
Guaduas	-0.0	-0.0
Longapertites vaneendenburgi	-2414.1	*
Magnetotetradites magnus	-2631.2	*
Periretisyncolpites giganteus	-2631.2	-1069.6
Proxapertites humberoides	-885.8	-885.8
Proxapertites operculatus	-1719.2	-885.8
Proxapertites verrucatus	-2313.0	-951.4
Rretisfossulatus	-1528.9	*
Racemonocolpites racematus	-2270.3	*
Retidioporites elongatus	-2634.5	-1200.8
Retidioporites magdalenensis	-1200.8	*
Spinizonocolpites echinatus	*	-2322.8
Syncolporites lisamae	-1273.0	*
Syncolporites marginatus	-2670.6	-1095.8
Syncolporites poricostatus	-2634.5	*
Tetradites umirensis	-3116.8	-964.6
Zilivisporis blakensis	-2637.8	-1230.3
Zonotricolpites variabilis	-2250.7	-885.8

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*Taxon	Base	Top
Bombacaci di tes annae	*	-1003.6
Ci catricosi spori tes dorogensi s	-775.6	*
Corsi ni pol leni tes undul atus	-508.5	*
Ctenol ophoni di tes Ii samae	*	-1046.1
Cuervos	-798.5	-798.5
E soli tari us	-1003.7	*
E tri angul i formi s orbi cul ari s	-301.8	*
Echi monocol pi tes densus	*	-301.9
Ephedri pi tes vanegensi s	*	-1124.3
Foveotri pori tes hammeni i	-890.7	*
Heterocol pi tes pal aeoceni ca	*	-1033.0
Ladakhi pol leni tes si mpl ex	-301.8	-197.5
Laevigatospori tes ti buensi s	-1046.2	*
Lp proxaperti toi des	*	-890.7
Lp reti cul oi des	-335.6	-301.8
Magnotetradi tes magnus	*	-1033.0
Monoporopol leni tes annul atus	-371.4	*
P affspeci ous	-1033.1	*
Perfotri col pi tes di gi tatus	-670.2	-38.1
Pol oreti tri col pi tes absol utus	-1003.6	-197.5
Pseudo perfectus	-87.9	*
R festi vus	-1003.6	-111.9
R i rregul ari s	-670.2	*
R mi nuti porus	-87.9	-38.1
Racemonocol pi tes faci li s	-1046.2	-87.9
Racemonocol pi tes racematus	-301.8	-38.1
Reti brevi tri col pi tes reti bol us	-1046.2	-845.1
Reti brevi tri col pi tes tri angul atus	*	*
Reti di pori tes magdal enensi s	*	-1033.1
Reti stephanocol pi tes angel i	-508.5	-69.6
Reti trescol pi tes magnus	-38.1	*
Reti trescol pi tes saturum	-214.9	*
Reti tri col pi tes si mpl ex	-775.6	-38.1
Rhoi pi tes hi spi dus	-890.7	-320.5
Rugotri col pori tes fel i x	-87.9	-38.1
Spi rosyncol pi tes spi ral i s	-335.6	-38.1
Striatopol li s catatumbus	-87.9	*
Tri col pi tes antoni i	-1033.1	*
Tri col pi tes cl arensi s	-335.6	*

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*Taxon	Base	Top
Andalusiella gabonensis	-4815.0	-4815.0
Araucariacites spp	*	-4760.0
Areoligera spp	-4775.0	-4760.0
B foveoreticulatus	-3410.0	-2130.0
B naciementoensis	-4310.0	-490.0
B tausae	-4820.0	-4815.0
Barco	-3940.0	-3940.0
Bombacacites annae	-4890.0	-3290.0
Bombacacites brevis	-1671.0	-190.0
C columbianus	-610.0	-370.0
C1	-370.0	-370.0
Callialasporites dampieri	*	-4945.0
Catumbo	-4255.0	-4255.0
Cerodinium boloniense	-4805.0	-4775.0
Cerodinium spp	-4890.0	-4890.0
Cicatricosporites dorogensis	-3470.0	-280.0
Colombipollis tropicalis	*	-3935.0
Cribroperidium spp	-4865.0	-4865.0
Crusafontites grandiosus	*	-4860.0
Ctenolophonites lissamae	-4210.0	-4045.0
Cuervos	-3015.0	-3015.0
Cyclusphaera scabrata	-4410.0	-1116.0
E gracilis	-3080.0	-3060.0
E protofrancisci	*	-4860.0
E solitarius	-3200.0	-2990.0
E trianguliformis orbicularis	-3200.0	-2015.0
Echimonocolpites densus	-4890.0	-3060.0
Echiperiporites estelae	-2250.0	-931.0
Echitriletes muelleri	-2920.0	-1698.0
Echitriporites trianguliformis	*	-3410.0
Ephedripites vanegensis	-3985.0	-3985.0
Foveotriporites perforatus	-4380.0	-3710.0
Foveotriletes margaritae	*	-4730.0
Foveotriporites hammeni	-3650.0	-1909.0
G polymorphus	-3200.0	-640.0
Gabonsporites vi gourouxi	-4760.0	-4760.0
Homotryblum floripes	-3030.0	-2015.0
Jandufouria seamrogi formis	-1777.0	*
Laevigatosporites sp 1JD	-3020.0	-190.0
Laevigatosporites ti buensis	-4865.0	*
Lanagiopollis crassa	-3680.0	-1645.0
Lingulodinium machaerophorum	-3050.0	-2890.0
Longapertites proxapertitoides	*	-2890.0
Longapertites vaneendenburgi	*	-4075.0
M francisci francisci	-4915.0	-190.0
M francisci minutus	-3070.0	-2190.0
Magnastriatites grandiosus	-1804.0	-220.0
Magnetotetradites magnus	-4815.0	-4815.0
Margocolpites vanwijhei	-3380.0	-1328.0
Mauritidites crassibaculatus	*	-2510.0
Mfrancisci pachyexinatus	-3710.0	-930.0
Mirador	-2015.0	-2015.0
Mito Juan	-4815.0	-4815.0
Monoporopollenites annulatus	-3590.0	-460.0
P triangularis	-3710.0	*
P verrucosus	-3030.0	-1777.0
Palaeocystodinium australinum	*	-4775.0
Perfotriporites digitatus	-880.0	-520.0
Periporites syncolpites giganteus	-4760.0	-4760.0
Perisyncolporites pokorny	-3590.0	*
Polotriporites versabilis	-4280.0	-2160.0
Polypoditesporites sp	-4915.0	*

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Proteaci di tes dehaani	*	-4730.0
Proxaperti tes cursus	-4915.0	-3380.0
Proxaperti tes humbertoides	*	-2890.0
Proxaperti tes operculatus	*	-1090.0
Proxaperti tes tertiaris	-4775.0	-984.0
Proxaperti tes verrucatus	*	-3440.0
Pseudo perfectus	-2310.0	-2310.0
Psilaperiporites minimus	-3530.0	-430.0
Psilaperiporites robustus	-2310.0	-931.0
Psilatriletes < 25mic	*	-1143.0
Psilatriletes sp 25-50mic	*	*
R crassianulatus	-2220.0	-2220.0
R festivus	-3290.0	-3030.0
R irregularis	-3710.0	-520.0
R minutiporus	-4280.0	-610.0
R retifossulatus	*	-1936.0
Racemonocolpites facilis	-3080.0	-3060.0
Racemonocolpites racematus	*	-3080.0
Ranunculacidiates operculatus	-3560.0	-220.0
Reti brevicolpites retibolus	*	-370.0
Reti brevicolpites triangulatus	-4775.0	-2121.0
Reti diporites elongatus	-4865.0	-4865.0
Reti diporites magdalensis	-4640.0	-3985.0
Reti syncolpites angularis	-2160.0	-2160.0
Reti trescolpites magnus	-3230.0	-1619.0
Reti trescolpites saturum	-3060.0	-3000.0
Reti tricolpites maturus	-3780.0	-640.0
Reti tricolpites simplex	-3500.0	*
Reti triporites dubiosus	-4015.0	-640.0
Rhoipites guianensis	-4280.0	-280.0
Rhoipites hispidus	-4340.0	-280.0
Senegalium spp	-4860.0	-4860.0
Spirizocolpites baculatus	*	-4640.0
Spirizocolpites echinatus	*	-1962.0
Spirizocolpites spiralis	-3290.0	-1116.0
Stephanocolpites costatus	-4800.0	-4790.0
Striatopollis catatumbus	-3290.0	*
Syncolpites lisamae	-4800.0	-3380.0
Syndemicolpites typicus	-4890.0	-4730.0
T maculosus	-4640.0	-220.0
Tetradites umirensis	-4915.0	-3935.0
Tricolpites clarensis	-3080.0	-3080.0
Ulmoidesipites krempfi	*	-3020.0
V rotundiporus	-370.0	-220.0
Venezuelites glaberrimus	-3530.0	-1724.0
Verrucatosporites usmensis	-4340.0	*
Wilsonipites margocolpatus	-3530.0	-930.0
Zonocostites ramonae	-2840.0	-190.0
Zonotricolpites variabilis	-4890.0	-4760.0