

Supplementary Figure S7. Alignment of ribosomal intergenic spacer (rIGS) sequences used for design of species-discriminating primers.

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	100
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	100
<i>Metarhizium_caribense</i> _INISAV_LBM-30	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAAAGTTA-	GTGGTTGCA-	---GGCCTGA	GGAGAG--CC	GCCGAG---T	AGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_caribense</i> _INISAV_LBM-41	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAAAGTTA-	GTGGTTGCA-	---GGCCTGA	GGAGAG--CC	GCCGAG---T	AGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_caribense</i> _INISAV_LBM-42	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAAAGTTA-	GTGGTTGCA-	---GGCCTGA	GGAGAG--CC	GCCGAG---T	AGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_caribense</i> _ARSEF_1448	GCGGGGCGGG	TGTTGGGGTT	AAAGCAAGCC	ACCAAAGTTA-	GTGGTTGCA-	---GGCTCGA	GGAGAG--CC	GCCGAG---T	AGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_caribense</i> _ARSEF_5197	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAAAGTTA-	GTGGTTGCA-	---GGCCTGA	GGAGAG--CC	GCCGAG---T	AGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _TYPE_CBS_257.90	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAAAGTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAGCGGT	GGTTGGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_2231	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	GCCAAAGTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAGCGGT	GGTTGGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_2809	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCGA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAGAGCT	GCCGAGCGGT	---GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_3180	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_3210	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	GCCAAAGTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAGCGGT	GGTTGGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_3604	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_4290	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_4342	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_7422	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAA-GTAA	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGGGCGG-	---TGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_7929	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	GCCAAAGTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAGCGGT	GGTTGGTTCT	AGAGGGGAAA	100
<i>Metarhizium_pingshaense</i> _ARSEF_9975	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAAAGTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAGCGGT	GGTTGGTTCT	AGAGGGGAAA	100
<i>Metarhizium_robertsii</i> _TYPE_ARSEF_2575	GCGGGGCGGG	TGTTGGGGTT	AATGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_robertsii</i> _ARSEF_727	GCGGGGCGGG	TGTTGGGGTT	AATGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_robertsii</i> _ARSEF_7501	GCGGGGCGGG	TGTTGGGGTT	AATGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_robertsii</i> _ARSEF_8070	GCGGGGCGGG	TGTTGGGGTT	AATGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_robertsii</i> _ARSEF_8685	GCGGGGCTGG	TGTTGGGGTT	AATGC----	ACCAA-GTA-	GTGGTTGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_anisopliae</i> _TYPE_ARSEF_7487	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAA-GTA-	GTGGTTACA-	---GGCTTGA	GGGAG--CT	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_anisopliae</i> _ARSEF_798	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCAA-GTA-	GTGGTTACA-	---GGCTTGA	GGAGAG--CT	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_anisopliae</i> _ARSEF_1080	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCAA-GTA-	GTGGTTACA-	---GGCTTGA	GGAGAG--CT	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_anisopliae</i> _ARSEF_6347	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCAA-GTA-	GTGGTTACA-	---GGCTTGA	GGAGAG--CT	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_anisopliae</i> _ARSEF_7450	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAA-GTA-	GTGGTTACA-	---GGCTTGA	GGGAG--CT	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_humberi</i> _ESALQ_1638	GCGGGGCGGG	TGTTGGGGTT	AAAGC----	ACCAA-GTA-	GTGGTTACAT	ACAGGCTTGA	GGAGAG--CT	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_brunneum</i> _TYPE_ARSEF_2107	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCGA-GTA-	GTGGCCGCA-	---GGCTGGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_brunneum</i> _ARSEF_1066	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCGA-GTA-	GTGGCCGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_brunneum</i> _ARSEF_1278	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCGA-GTA-	GTGGCCGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_brunneum</i> _ARSEF_3295	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCGA-GTA-	GTGGCCGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_brunneum</i> _ARSEF_3826	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCGA-GCA-	GTGGCCGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_brunneum</i> _ARSEF_4152	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCGA-GTA-	GTGGCCGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100
<i>Metarhizium_brunneum</i> _ARSEF_4179	GCGGGGCGGG	TGTTGGGGTT	AGAGC----	ACCGA-GTA-	GTGGCCGCA-	---GGCTTGA	GGAGAG--CC	GCCGAG---T	GGT-GGTTCT	AGAGGGGAAA	100

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	200
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	200
Metarhizium_caribense_INISAV_LBM-30	ATCCGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAACTA	CTGCCGGCAA	200
Metarhizium_caribense_INISAV_LBM-41	ATCCGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAACTA	CTGCCGGCAA	200
Metarhizium_caribense_INISAV_LBM-42	ATCCGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAACTA	CTGCCGGCAA	200
Metarhizium_caribense_ARSEF_1448	ATCCGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_caribense_ARSEF_5197	ATCCGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAACTA	CTGCCGGCAA	200
Metarhizium_pingshaense_TYPE_CBS_257.90	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_2231	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_2809	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGGTTG	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAGA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_3180	ATCTGCCAAG	TCC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	CACCGAGTCG	GAAAGTCGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAG	200
Metarhizium_pingshaense_ARSEF_3210	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_3604	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_4290	ATCTGCCAAG	TCC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	CACCGAGTCG	GAAAGTCGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_4342	ATCTGCCAAG	TCC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	CACCGAGTCG	GAAAGTCGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_7422	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_7929	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_pingshaense_ARSEF_9975	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	ATT-TACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_robertsii_TYPE_ARSEF_2575	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	CTGGCGGTAA	200
Metarhizium_robertsii_ARSEF_727	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	CTGGCGGTAA	200
Metarhizium_robertsii_ARSEF_7501	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	CTGGCGGTAA	200
Metarhizium_robertsii_ARSEF_8070	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	CTGGCGGTAA	200
Metarhizium_robertsii_ARSEF_8685	ATCTGCCAAG	TTC--AAAGG	TC-AGGCAAG	CGAAAGG-TT	TACCGAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	CTGGCGGTAA	200
Metarhizium_anisopliae_TYPE_ARSEF_7487	GTCTGCCAAG	TTC--AAAGG	TCCAGGCAAG	CGAAAAG-TT	TACCAAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	TTGGCGGTAA	200
Metarhizium_anisopliae_ARSEF_798	GTCTGCCAGG	TTC--AAAGG	TCCAGGCAAG	CGAAAAG-TT	TACCAAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	TTGGCGGTAA	200
Metarhizium_anisopliae_ARSEF_1080	GTCTGCCAGG	TTC--AAAGG	TCCAGGCAAG	CGAAAAG-TT	TACCAAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	TTGGCGGTAA	200
Metarhizium_anisopliae_ARSEF_6347	GTCTGCCAGG	TTC--AAAGG	TCCAGGCAAG	CGAAAAG-TT	TACCAAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	TTGGCGGTAA	200
Metarhizium_anisopliae_ARSEF_7450	GTCTGCCAAG	TTC--AAAGG	TCCAGGCAAG	CGAAAAG-TT	TACCAAGTCG	GAAGGTTGGG	CGAGTAAAAA	AAT-TACCAA	GTCCAAATA	TTGGCGGTAA	200
Metarhizium_humberi_ESALQ_1638	ATCTGCCAAG	TTC--AAAGG	TCCAGGCAAG	CGAAAAG-TT	TACCAAGTCG	GAAGGCTGGG	CGAGTAAAAA	AAT-TACCGA	GTCCAAATA	TTGGCGGTAA	200
Metarhizium_brunneum_TYPE_ARSEF_2107	ATCTGCCAAG	CTC--AAAGG	TC-AGGCAAG	CGAGAGG-TT	TACCGAGTCG	GAAAGTCGGG	CGAGTAAAAA	GATATACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_brunneum_ARSEF_1066	ATCTGCCAAG	CTCTCAAAGG	TC-AGGCAAG	CGAGAGG-TT	TACCGAGTCG	GAAAGTCGGG	CGAGTAAAAA	GATATACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_brunneum_ARSEF_1278	ATCTGCCAAG	CTC--AAAGG	TC-AGGCAAG	CGAGAGGTTT	TACCGAGTCG	GAAAGTCGGG	CGAGTAAAAA	GATATACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_brunneum_ARSEF_3295	ATCTGCCAAG	CTC--AAAGG	TC-AGGCAAG	CGAGAGG-TT	TACCGGTCG	GAAAGTCGGG	CGAGTAAAAA	GATATACCAA	GTCCAAACA	CTGCCGGCAA	200
Metarhizium_brunneum_ARSEF_3826	ATCTGCCAAG	CTC--AAAGG	TC-AGGCAAG	CGAGAGG-TT	TACCGAGTCG	GAAAGTCGGG	CGAGTAAAAA	GATATACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_brunneum_ARSEF_4152	ATCTGCCAAG	CTC--AAAGG	TC-AGGCAAG	CGAGAGG-TT	TACCGGTCG	GAAAGTCGGG	CGAGTAAAAA	GATATACCAA	GTCCAAATA	CTGCCGGCAA	200
Metarhizium_brunneum_ARSEF_4179	ATCTGCCAAG	CTC--AAAGG	TC-AGGCAAG	CGAGAGG-TT	TACCGGTCG	GAAAGTCGGG	CGAGTAAAAA	GATATACCAA	GTCCAAATA	CTGCCGGCAA	200

[illegible]

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	400	
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	400	
Metarhizium_caribense_INISAV_LBM-30	CTGTGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAACC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_caribense_INISAV_LBM-41	CTGTGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAACC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_caribense_INISAV_LBM-42	CTGTGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAACC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_caribense_ARSEF_1448	CTGTGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTAAATC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_caribense_ARSEF_5197	CTGTGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAACC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_pingshaense_TYPE_CBS_257.90	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TGCTTGAATC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_pingshaense_ARSEF_2231	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TGCTTGAATC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_pingshaense_ARSEF_2809	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TGCTTGAATC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_pingshaense_ARSEF_3180	CTGCGGTTAA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACAAG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTCAACTTT	400
Metarhizium_pingshaense_ARSEF_3210	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TGCTTGAATC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_pingshaense_ARSEF_3604	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACAGG	AAGTTATCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_pingshaense_ARSEF_4290	CTGCGGTTAA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACAAG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTCAACTTT	400
Metarhizium_pingshaense_ARSEF_4342	CTGCGGTTAA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACAAG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTCAACTTT	400
Metarhizium_pingshaense_ARSEF_7422	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTAAATC	AATTTACAGC	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGT-AACTTT	400
Metarhizium_pingshaense_ARSEF_7929	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TGCTTGAATC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_pingshaense_ARSEF_9975	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TGCTTGAATC	AATTTACAGG	AAGTTGCCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_robertsii_TYPE_ARSEF_2575	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTAAATC	AATTCACAGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_robertsii_ARSEF_727	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTAAATC	AATTCACAGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_robertsii_ARSEF_7501	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTAAATC	AATTCACAGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_robertsii_ARSEF_8070	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTAAATC	AATTCACAGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_robertsii_ARSEF_8685	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTAAATC	AATTCACAGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_anisopliae_TYPE_ARSEF_7487	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACGGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_anisopliae_ARSEF_798	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACGGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTCAACTTT	400
Metarhizium_anisopliae_ARSEF_1080	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACGGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTCAACTTT	400
Metarhizium_anisopliae_ARSEF_6347	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACGGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTCAACTTT	400
Metarhizium_anisopliae_ARSEF_7450	CTGCGGTTTA	TTTTTGGA	TT-GTAGATT	TACTTGAATC	AATTCACGGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTAT	AGTTAACTTT	400
Metarhizium_humberi_ESALQ_1638	CTGC-----	-----	-----ATT	TACTTGAATC	AATTCACAGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCTGT	AGTTCACTTT	400
Metarhizium_brunneum_TYPE_ARSEF_2107	CTGCGGTTAA	TTTTTGGA	TTTGC	TACTTGAATC	AATTCACAGG	AAGTTACCTG	CCAAATTGCC	TGGGCTCCCG	GGTAGGCTAT	AGTTGACTTT	400
Metarhizium_brunneum_ARSEF_1066	CTGCGGTTAA	TTTTTGGA	TT-GCGGATT	TACTTGAATC	AATTCACAGG	AAGTTACCTG	CCAAATTGCC	TGGGCTCCCG	GGTAGGCTAT	AGTTGACTTT	400
Metarhizium_brunneum_ARSEF_1278	CTGCGGTTAA	TTTTTGGA	TT-GCGGATT	TACTTGAATC	AATTCACAGG	AGGTTACCTG	CCAAATTGCC	TGGGCTCCCG	GGTAGGCTAT	AGTTGACTTT	400
Metarhizium_brunneum_ARSEF_3295	CTGCGGTTAA	TTTTTGGA	TT-GCGGGTT	CACTCGAATC	AATTCACAGG	AAGTTACCTG	CCAAATTGCC	TGGGCTCCCG	GGTAGGCTAT	AGTTGACTTT	400
Metarhizium_brunneum_ARSEF_3826	CTGCGGTTAA	TTTTTGGA	TT-GCGGATT	TACTTGAATC	AATTCACAGG	AAGTTACCTG	CCAAATTGCC	TGGGCTCCCG	GGTAGGCTAT	AGTTGACTTT	400
Metarhizium_brunneum_ARSEF_4152	CTGCGGTTAA	TTTTTGGA	TG-GCGGATT	TACTTGAATC	AATCCACAGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCCAT	AGTTGACTTG	400
Metarhizium_brunneum_ARSEF_4179	CTGCGGTTAA	TTTTTGGA	TG-GCGGATT	TACTTGAATC	AATCCACAGG	AAGTTACCTG	CCGAATTACC	TGGGCTCCCG	GGTAGGCCAT	AGTTGACTTG	400

[illegible]

mcar-IDF1	GGCATATTTG	CTTGAATTG-	-----	-----	-----	-----	-----	-----	-----	-----	600
mcar-IDR1			-----	-----	-----	-----	-----	-----	-----	-----	600
Metarhizium_caribense_INISAV_LBM-30	GGCATATTTG	CTTGAATTGA	TTTGCAATTC	GTTTCCTGCC	GAGTCGGCGG	AATTTACCTG	CCCGACTTGC	CTGGGCTCCC	GGGTAGGCTA	GACTTGGCAG	600
Metarhizium_caribense_INISAV_LBM-41	GGCATATTTG	CTTGAATTGA	TTTGCAATTC	GTTTCCTGCC	GAGTCGGCGG	AATTTACCTG	CCCGACTTGC	CTGGGCTCCC	GGGTAGGCTA	GACTTGGCAG	600
Metarhizium_caribense_INISAV_LBM-42	GGCATATTTG	CTTGAATTGA	TTTGCAATTC	GTTTCCTGCC	GAGTCGGCGG	AATTTACCTG	CCCGACTTGC	CTGGGCTCCC	GGGTAGGCTA	GACTTGGCAG	600
Metarhizium_caribense_ARSEF_1448	GGCATATTTG	CTTGAATTGA	TTTGCAATTA	GTTTCCTGCC	GAGTCGGCGG	AATTTACCTG	CCCGACTTGC	CTGGGCTCCC	GGGTAGGCTA	GACTTGGCAG	600
Metarhizium_caribense_ARSEF_5197	GGCATATTTG	CTTGAATTGA	TTTGCAATTC	GTTTCCTGCC	GAGTCGGCGG	AATTTACCTG	CCCGACTTGC	CTGGGCTCCC	GGGTAGGCTA	GACTTGGCAG	600
Metarhizium_pingshaense_TYPE CBS_257.90	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_2231	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_2809	GGTGAAATTT	CTGC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_3180	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_3210	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_3604	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_4290	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_4342	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_7422	GGTGAAACTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_7929	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_pingshaense_ARSEF_9975	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_robertsii_TYPE ARSEF_2575	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGTC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_robertsii_ARSEF_727	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGTC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_robertsii_ARSEF_7501	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGTC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_robertsii_ARSEF_8070	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGTC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_robertsii_ARSEF_8685	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGTC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_anisopliae_TYPE ARSEF_7487	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_anisopliae_ARSEF_798	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_anisopliae_ARSEF_1080	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_anisopliae_ARSEF_6347	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_anisopliae_ARSEF_7450	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_humberi_ESALQ_1638	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_brunneum_TYPE ARSEF_2107	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCTGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_brunneum_ARSEF_1066	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCTGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_brunneum_ARSEF_1278	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCTGGGAG	CCCAGGCAAG	TCGGGCAGGT	GAATTCCGCC	AACCTGGCAG	600
Metarhizium_brunneum_ARSEF_3295			-----	-----	-----	-----	-----	-----	-----	-----	600
Metarhizium_brunneum_ARSEF_3826	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCTGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACTCGGCAG	600
Metarhizium_brunneum_ARSEF_4152	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACCCGGCAG	600
Metarhizium_brunneum_ARSEF_4179	GGTGAAATTT	CTAC-----	-----	-TTTCCTGCC	AAGTCTAGCC	TACCCGGGAG	CCCAGGCAAG	TCGGGCAGGT	AAATTCCGCC	AACCCGGCAG	600

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	700	
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	700	
Metarhizium_caribense_INISAV_LBM-30	GAAAGT-AGA	AATTTT----	-----	-----	-ACCA	AAGTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	CTGTGTAATT	700
Metarhizium_caribense_INISAV_LBM-41	GAAAGT-AGA	AATTTT----	-----	-----	-ACCA	AAGTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	CTGTGTAATT	700
Metarhizium_caribense_INISAV_LBM-42	GAAAGT-AGA	AATTTT----	-----	-----	-ACCA	AAGTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	CTGTGTAATT	700
Metarhizium_caribense_ARSEF_1448	GAAAGT-AGA	AATTTT----	-----	-----	-GCCA	A-GTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	CTGTGTAATT	700
Metarhizium_caribense_ARSEF_5197	GAAAGT-AGA	AATTTT----	-----	-----	-ACCA	AAGTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	CTGTGTAATT	700
Metarhizium_pingshaense_TYPE_CBS_257.90	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TA-----	-----	-----	700	
Metarhizium_pingshaense_ARSEF_2231	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TA-----	-----	-----	700	
Metarhizium_pingshaense_ARSEF_2809	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATCAACCGCA	GCCTACCCGG	TA-----	-----	-----	700	
Metarhizium_pingshaense_ARSEF_3180	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	-----	700	
Metarhizium_pingshaense_ARSEF_3210	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TA-----	-----	-----	700	
Metarhizium_pingshaense_ARSEF_3604	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATGTGCCA	A-GTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	CTGTGTAATT	700	
Metarhizium_pingshaense_ARSEF_4290	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	-----	700	
Metarhizium_pingshaense_ARSEF_4342	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	-----	700	
Metarhizium_pingshaense_ARSEF_7422	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATTAATCGCA	GCCTACCCGG	TA----AGCC	TGTGTAATTT	CTGTGTAATT	700	
Metarhizium_pingshaense_ARSEF_7929	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TA-----	-----	-----	700	
Metarhizium_pingshaense_ARSEF_9975	GAAACT----	AATTGCAAAAT	CAATTCAAGC	AAATATGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TA-----	-----	-----	700	
Metarhizium_robertsii_TYPE_ARSEF_2575	GGAAGT----	AATTGCAAAAT	CAATTCAAGC	AAATGTGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGAGTAATT	700	
Metarhizium_robertsii_ARSEF_727	GGAAGT----	AATTGCAAAAT	CAATTCAAGC	AAATGTGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGTGTAATT	700	
Metarhizium_robertsii_ARSEF_7501	GGAAGT----	AATTGCAAAAT	CAATTCAAGC	AAATGTGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCTGG	TAGGTAAGCC	TGTGTAGTTT	CCGTGTAATT	700	
Metarhizium_robertsii_ARSEF_8070	GGAAGT----	AATTGCAAAAT	CAATTCAAGC	AAATGTGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGTGTAATT	700	
Metarhizium_robertsii_ARSEF_8685	GGAAGT----	AATTGCAAAAT	CAATTCAAGC	AAATGTGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGAGTAATT	700	
Metarhizium_anisopliae_TYPE_ARSEF_7487	GGAAGT----	AATTGCAAAAT	CAATTGAGC	AAATATGCCA	A-GTCCACAA	ATGAATCGCA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGTGTAATT	700	
Metarhizium_anisopliae_ARSEF_798	GGAAGT----	AATTGCAAAAT	CAATTCTAGC	AAATGTGCCA	A-GTCCACAA	ATTAATCGTA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGTGTAATT	700	
Metarhizium_anisopliae_ARSEF_1080	GGAAGT----	AATTGCAAAAT	CAATTGAGC	AAATGTGCCA	A-GTCCACAA	ATTAATCGTA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGTGTAATT	700	
Metarhizium_anisopliae_ARSEF_6347	GGAAGT----	AATTGCAAAAT	CAATTGAGC	AAATGTGCCA	A-GTCCACAA	ATTAATCGTA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGTGTAATT	700	
Metarhizium_anisopliae_ARSEF_7450	GGAAGT----	AATTGCAAAAT	CAATTGAGC	AAATATGCCA	A-GTCCACAA	ATGAATCGCA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	CCGTGTAATT	700	
Metarhizium_humberi_ESALQ_1638	GGAAGT----	AATTGCAAAAT	CAATTCAAGC	AAATGTGCCA	A-GTCCACAA	ATCAATCGCA	GCCTACCCGG	TAGGTAAGCC	TGTGTAGTTT	TCGTGTAATT	700	
Metarhizium_brunneum_TYPE_ARSEF_2107	GGAAGT----	GATTGCAAAAT	TAATTTAACC	AAATCTGCCA	A-GTCCACAA	GTTAACTATA	GCCTACCCGG	GA----GGCC	TGGGTGTTTC	CCGCGTGATT	700	
Metarhizium_brunneum_ARSEF_1066	GGAAGT----	GATTGCAAAAT	TAATCTAACC	AAATCTGCCA	A-GTCCACAA	GTTAACTATA	GCCTACCCGG	TA----GACC	TGGGTGTTTC	CCGCGTGATT	700	
Metarhizium_brunneum_ARSEF_1278	GGAAGT----	GATTGCAAAAT	TAATCTAACC	AAATCTGCCA	A-GTCCACAA	GTTAACTATA	GCTTACCCGG	TA----GGCC	TGGGTGCTTC	CCGCGTGATT	700	
Metarhizium_brunneum_ARSEF_3295	-----	-----	-----	-----	-A	A-GTCCACAA	ATAAATTACA	GCCTACCCGG	TA----GGCC	TGTATATTTT	CCGCGCGATT	700
Metarhizium_brunneum_ARSEF_3826	GGAAGT----	GATTGCAAAAT	TAATCTAACC	AAATCTGCCA	A-GTCCACAA	GTTAACTATA	GCCTACCCGG	TA----GACC	TGGGTGTTTC	CCGCGTGATT	700	
Metarhizium_brunneum_ARSEF_4152	GGAAGT----	GATTGCAAAAT	CAATCTAACC	AAATCTGCCA	A-GTCCACAG	ATAAACTATA	GCCTACCCGG	TA----GGCC	TGTAGATTTT	CCGCGCGATT	700	
Metarhizium_brunneum_ARSEF_4179	GGAAGT----	GATTGCAAAAT	CAATCTAACC	AAATCTGCCA	A-GTCCACAG	ATAAACTATA	GCCTACCCGG	TA----GGCC	TGTAGATTTT	CCGCGCGATT	700	

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	800
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	800
Metarhizium_caribense_INISAV_LBM-30	T-CCTGTAAA	GACCAAAAAG	TTGGGTATTT	TGGTACTTAA	TCTATGTAAG	TATAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_caribense_INISAV_LBM-41	T-CCTGTAAA	GACCAAAAAG	TTGGGTATTT	TGGTACTTAA	TCTATGTAAG	TATAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_caribense_INISAV_LBM-42	T-CCTGTAAA	GACCAAAAAG	TTGGGTATTT	TGGTACTTAA	TCTATGTAAG	TATAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_caribense_ARSEF_1448	T-CCTGTAAA	GACCAAAAAG	TTGGGTATTT	TGGTACTTAA	TTTATGTAAG	TATAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_caribense_ARSEF_5197	T-CCTGTAAA	GACCAAAAAG	TTGGGTATTT	TGGTACTTAA	TCTATGTAAG	TATAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_pingshaense_TYPE_CBS_257.90	-----	-----	-----	-----	-----AG	TATAAGTTGA	TTTTTTT--T	T-ATATATAT	AAATAAAATTC	TGCGGAAAAAT	800
Metarhizium_pingshaense_ARSEF_2231	-----	-----	-----	-----	-----AG	TATAAGTTGA	TTTTTTT--T	TTATATATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_pingshaense_ARSEF_2809	-----	-----	-----	-----	-----AG	TATAAGTTGA	TCTTTTT--T	TTATATATGT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_pingshaense_ARSEF_3180	-----	-----	-----	-----	-----	-----	-----	-----TT	TGCGGAAAAAT	800	
Metarhizium_pingshaense_ARSEF_3210	-----	-----	-----	-----	-----AG	TATAAGTTGA	TTTTTTT--T	TTATATATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_pingshaense_ARSEF_3604	T-CCTGTAAA	GACCAAAAAG	TTGGGTATTT	TAGTACTTAA	TTTATATAAG	TATAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_pingshaense_ARSEF_4290	-----	-----	-----	-----	-----	-----	-----	-----TT	TGCGGAAAAAT	800	
Metarhizium_pingshaense_ARSEF_4342	-----	-----	-----	-----	-----	-----	-----	-----TT	TGCGGAAAAAT	800	
Metarhizium_pingshaense_ARSEF_7422	T-CCCGTAAA	GACCAAAAAG	TTGGGTATTT	TAGTACTTAA	TTTATATAAG	TATAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_pingshaense_ARSEF_7929	-----	-----	-----	-----	-----AG	TATAAGTTGA	TTTTTTT--T	TTATATATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_pingshaense_ARSEF_9975	-----	-----	-----	-----	-----AG	TATAAGTTGA	TTTTTTT-T	TTATATATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_robertsii_TYPE_ARSEF_2575	TTCCCGTAAA	GACCAAAAAG	TCAGGTATTT	TGGTACTTAA	TTTATATAAG	TACAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_robertsii_ARSEF_727	T-CCCGTAAA	GACCAAAAAG	TTAGGTATTT	TGGTACTTAA	TTTATATAAG	TACAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_robertsii_ARSEF_7501	TTCCCGTAAA	GACCAAAAAG	TCAGGTATTT	TGGTACTTAA	TTTATATAAG	TACAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_robertsii_ARSEF_8070	T-CCCGTAAA	GACCAAAAAG	TTAGGTATTT	TGGTACTTAA	TTTATATAAG	TACAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_robertsii_ARSEF_8685	TTCCCGTAAA	GACCAAAAAG	TCAGGTATTT	TGGTACTTAA	TTTATATAAG	TACAAGTTGA	TTTTTTTG-T	TTTTTTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_anisopliae_TYPE_ARSEF_7487	TTCCCGTAAA	GACCAAAAAG	TCAGGTGTTT	TAGTATTTAA	TTTATATAGG	CGTGAGTTGA	TTTTTTTG-T	TTTCTATAT	TAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_anisopliae_ARSEF_798	TTCCCGCAAA	GACCAAAAAG	TCAGGTGTTT	TAGTATTTAA	TTTATATAGG	CGTGAGTTGA	TTTTTTTG-T	TTTTTTTATAT	TAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_anisopliae_ARSEF_1080	TTCCCGCAAA	GACCAAAAAG	TCAGGTGTTT	TAGTATTTAA	TTTATATAGG	CGTGAGTTGA	TTTTTTTG-T	TTTTTTTATAT	TAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_anisopliae_ARSEF_6347	TTCCCGCAAA	GACCAAAAAG	TCAGGTGTTT	TAGTATTTAA	TTTATATAGG	CGTGAGTTGA	TTTTTTTG-T	TTTTTTTATAT	TAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_anisopliae_ARSEF_7450	TTCCCGTAAA	GACCAAAAAG	TCAGGTGTTT	TAGTATTTAA	TTTATATAGG	CGTGAGTTGA	TTTTTTTG-T	TTTCTATAT	TAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_humberi_ESALQ_1638	TTCCCGCAAA	GACCAAAAAG	TCGGGTGTTT	TAGTATTTGA	TTTGTATGGG	CGTGAGTTGA	TTTTTTTA-T	TTTCCCATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_brunneum_TYPE_ARSEF_2107	T-CCTGTAAA	AACAAAAAAG	TTAGGTGTTT	TAGTACTTAA	TTTATATAGG	TATAAGTTAA	TTTTTTTG-T	TTTCTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_brunneum_ARSEF_1066	T-CCTGTGAA	AACAAAAAAG	TTAGGTGTTT	TAGTACTTAA	TTTATGTAGG	TATGGGTTGA	TTTTTTTG-T	TTTCTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_brunneum_ARSEF_1278	T-CCTGTAAA	AACAAAAAAG	TTAGGTGTTT	TAGTACTTAA	TTTATATAGG	TATAAGTTGA	TTTTTTTG-T	TTTCTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_brunneum_ARSEF_3295	T-CCTGTGAA	GACCAAAAAG	TTAGGTGTTT	TAGTACTTAA	TTTATATAGG	TATAAGTTGA	TTTTTTTGTT	TTTTTTTATAT	ATATAAAATTT	TGCGGAAAAAT	800
Metarhizium_brunneum_ARSEF_3826	T-CCTGTGAA	AACAAAAAAG	TTAGGTGTTT	TAGTACTTAA	TTTATATAGG	TATGGGTTGA	TTTTTTTG-T	TTTCTTATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_brunneum_ARSEF_4152	T-CCTGCGAA	GACCAAAAAG	TTAGGTGTTT	TGGTACTTAA	TTTATATAGA	GATGAGTTGA	TTTTTTTG-T	TTTTTATATAT	AAATAAAATTT	TGCGGAAAAAT	800
Metarhizium_brunneum_ARSEF_4179	T-CCTGCGAA	GACCAAAAAG	TTAGGTGTTT	TGGTACTTAA	TTTATATAGA	GATGAGTTGA	TTTTTTTG-T	TTTTTATATAT	AAATAAAATTT	TGCGGAAAAAT	800

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	900	
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	900	
Metarhizium_caribense_INISAV_LBM-30	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	TCAAGGTAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_caribense_INISAV_LBM-41	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	TCAAGGTAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_caribense_INISAV_LBM-42	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	TCAAGGTAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_caribense_ARSEF_1448	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	TCAAGGTAGT	TGGTGGGTAT	ATAATAGGGA	GGGCTGGACA	CGCGTTGCGT	CGCGTATTTC	900
Metarhizium_caribense_ARSEF_5197	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	TCAAGGTAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_pingshaense_TYPE CBS_257.90	AAAAAATAAG	CTATAAAGGC	CTGGTAGCGG	AGGCGAGCTC	TTAAGGTAGT	GGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_2231	AAAAAATAAG	CTATAAAGGC	CTGGTAGCGG	AGGCGAGCTC	TTAAGGTATT	GGGTGGGTGT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_2809	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGAGCTC	TTAAGATAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTACGC	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_3180	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	TTAAGGTAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGT	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_3210	AAAAAATAAG	CTATAAAGGC	CTGGTAGCGG	AGGCGAGCTC	TTAAGGTAGT	GGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_3604	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	TTAAGGTAGT	TGGCGGGCAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_4290	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	TTAAGGTAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGT	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_4342	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCTC	CTAAGGTAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGT	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_7422	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGC	AGGCGGGCTC	TTAAGGTAGT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGAGA	CGCGTTGCGC	CCC GTATTTC	900
Metarhizium_pingshaense_ARSEF_7929	AAAAAATAAG	CTATAAAGGC	CTGGTAGCGG	AGGCGAGCTC	TTAAGGTAGT	GGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_pingshaense_ARSEF_9975	AAAAAAAAG	CTATAAAGGC	CTGGTAGCGG	AGGCGAGCTC	TTAAGGTAGT	GGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGC	CGCGTATTTC	900
Metarhizium_robertsii_TYPE ARSEF_2575	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCCC	TTAGGGTAGT	TGGTGGGTAT	ATGAGAGGGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_robertsii_ARSEF_727	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCCC	TTAGGGTAGT	TGGTGGGTAT	ATGAGAGGGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_robertsii_ARSEF_7501	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCCC	TTAGGGTAGT	TGGTGGGTAT	ATGAGAGGGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_robertsii_ARSEF_8070	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCCC	TTAGGGTAGT	TGGTGGGTAT	ATGAGAGGGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_robertsii_ARSEF_8685	AAAAAATAAG	CTATAAAAGC	CTGGTAGCGG	AGGCGGGCCC	TTAGGGTAGT	TGGTGGGTAT	ATGAGAGGGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_anisopliae_TYPE ARSEF_7487	AAAAAATAAG	CTATAAAAC	CTGGTAACAG	AGGCGGGCCC	TTAAGGTAAT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGT	TGTGTATTTC	900
Metarhizium_anisopliae_ARSEF_798	AAAAAATAAG	CTATAAAAC	CTGGTAACAA	AGGCGGGCTT	TTAAGGTAAT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGT	TGTGTATTTC	900
Metarhizium_anisopliae_ARSEF_1080	AAAAAATAAG	CTATAAAAC	CTGGTAACAA	AGGCGGGCTT	TTAAGGTAAT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGT	TGTGTATTTC	900
Metarhizium_anisopliae_ARSEF_6347	AAAAAATAAG	CTATAAAAC	CTGGTAACAA	AGGCGGGCTT	TTAAGGTAAT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGT	TGTGTATTTC	900
Metarhizium_anisopliae_ARSEF_7450	AAAAAATAAG	CTATAAAAC	CTGGTAACAG	AGGCGGGCCC	TTAAGGTAAT	TGGTGGGTAT	ATAAGAGGGA	GGGCTGGACA	CGCGTTGCGT	TGTGTATTTC	900
Metarhizium_humberi_ESALQ_1638	AAAAAATAAG	CTATAAAAGC	CTGGTAACAG	AGGCGGGCCC	TTAAGGTAGT	TGGTGGGTAT	ATAAGAGGAA	GGGCTGGACA	CGCGTTGCGT	CGCGTATTTC	900
Metarhizium_brunneum_TYPE ARSEF_2107	AAAAAATAAA	CCACGAGAGC	CCGGTAGCGG	AGGCAAGCCC	TTAAGGTAGT	CGGTAAGTAT	ATAAGAGAGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_brunneum_ARSEF_1066	AAAAAATAAA	CCACGAGAGC	CCGGTAGCGG	AGGCGAGCCC	TTAAGGTAGT	CGGTAAGTAT	ATAAGAGAGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_brunneum_ARSEF_1278	AAAAAATAAA	CCACGAGAGC	CCGGTAGCGG	AGGCGAGCCC	TTAAGGTAGT	CGGTAAGTAT	ATAAGAGAGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_brunneum_ARSEF_3295	AAAAAATAAA	CCACGAGAGC	CCGGTAGCGG	AGGCGAGCCC	TTAAGGTAGT	CGGTAAGTAT	ATAAGAGAGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_brunneum_ARSEF_3826	AAAAAATAAA	CCACGAGAGC	CCGGTAGCGG	AGGCGAGCCC	TTAAGGTAGT	CGGTAAGTAT	ATAAGAGAGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_brunneum_ARSEF_4152	AAAAAATAAA	CCACGAGAGC	CTAGTAGCGG	AGGCGGGCCC	TCGAGGTGGT	CGGTAGGTAT	ATAAGAGAGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900
Metarhizium_brunneum_ARSEF_4179	AAAAAATAAA	CCACGAGAGC	CTAGTAGCGG	AGGCGGGCCC	TCGAGGTGGT	CGGTAGGTAT	ATAAGAGAGA	GGGCTGGACA	CGCGTCGCGT	CGCGTATTTC	900

[illegible]

[illegible]

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1200
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1200
Metarhizium_caribense_INISAV_LBM-30	AACCCTACAG	GTCACGTGCC	GATGTAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_caribense_INISAV_LBM-41	AACCCTACAG	GTCACGTGCC	GATGTAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_caribense_INISAV_LBM-42	AACCCTACAG	GTCACGTGCC	GATGTAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_caribense_ARSEF_1448	AACCCTACAG	GTCACGTGCC	GATATAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_caribense_ARSEF_5197	AACCCTACAG	GTCACGTGCC	GATGTAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_TYPE_CBS_257.90	AACCCTACAG	GCCACGTGCC	GATATAATAA	GATAGATAAG	GTATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_2231	AACCCTACAG	GTCACGTGCC	GATACAATAA	GATAGATAAG	GTATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_2809	AACCCACAG	GTCACGTGCC	-----	-----	-----	-----AATA	CACGTGC---	-----C	AATATAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_3180	AACCCTACAG	GTCACGTGCC	GATATAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGCTAA	TACACGTGCC	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_3210	AACCCTACAG	GTCACGTGCC	GATACAATAA	GATAGATAAG	GTATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_3604	AACCTACAG	GTCACGTGCC	GATATAACAA	GACAGATAAG	ATCTACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_4290	AACCCTACAG	GTCACGTGCC	GATATAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_4342	AACCCTACAG	GTCACGTGCC	GATATAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_7422	AACCCTACAG	GTCACGTGCC	GATATAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_7929	AACCCTACAG	GTCACGTGCC	GATACAATAA	GATAGATAAG	GTATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_pingshaense_ARSEF_9975	AACCCTACAG	GTCACGTGCC	GATACAATAA	GATAGATAAG	GTATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----AACGAT	1200
Metarhizium_robertsii_TYPE_ARSEF_2575	AACCCTACAG	GTCACGTGCC	GATACAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_robertsii_ARSEF_727	AACCCTACAG	GTCACGTGCC	GATACAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_robertsii_ARSEF_7501	AACCCTACAG	GTCACGTGCC	GATACAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_robertsii_ARSEF_8070	AACCCTACAG	GTCACGTGCC	GATACAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_robertsii_ARSEF_8685	AACCCTACAG	GTCACGTGCC	GATACAATAA	GACAGATAAG	ATATACGGCA	CGTGCTAATA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_anisopliae_TYPE_ARSEF_7487	AACCCTACAG	GTCACGTGCC	GATACAATAA	GACAGATAAG	ATATGCGGCA	CGTGCTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_anisopliae_ARSEF_798	AACCCTACAG	GTTATGTGCC	GATACAATAA	GACAGATAAG	ATATGCGGCA	CGTGCTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_anisopliae_ARSEF_1080	AACCCTACAG	GTTATGTGCC	GATACAATAA	GACAGATAAG	ATATGCGGCA	CGTGCTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_anisopliae_ARSEF_6347	AACCCTACAG	GTTATGTGCC	GATACAATAA	GACAGATAAG	ATATGCGGCA	CGTGCTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_anisopliae_ARSEF_7450	AACCCTACAG	GTCACGTGCC	GATACAATAA	GACAGATAAG	ATATGCGGCA	CGTGCTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_humberi_ESALQ_1638	AACCCTACAG	GTCACGTGCC	GATACGATAA	GACAGATAAG	ATATACGGCA	CGTGCTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_brunneum_TYPE_ARSEF_2107	AACCCTACAG	GTCACGTGCC	GACACAGTAA	GACAGATAAG	ATATACGGCA	CGTGTTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_brunneum_ARSEF_1066	AACCCTACAG	GTCACGTGCC	GACACAGTAA	GACAGATAAG	ATATACGGCA	GGTGTTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_brunneum_ARSEF_1278	AACCCTGCAG	GTCACGTGCC	GACACAGTAA	GACAGATAAG	ATATACGGCA	CGTGTTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_brunneum_ARSEF_3295	AACCCTACAG	GTCACGTGCC	GACACAGTAA	GACAGATAAG	ATATACGGCA	CGTGTTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_brunneum_ARSEF_3826	AACCCTACAG	GTCACGTGCC	GACACAGTAA	GACAGATAAG	ATATACGGCA	GGTGTTAGTA	CACGTGC---	-----C	AATACAAGT-	----GACGAT	1200
Metarhizium_brunneum_ARSEF_4152	AACCTTACAG	GTCACGTGCC	GATACGATAA	GACAGATAAG	ATATACAGCA	CGTGCTAGTA	CACGTGC---	-----C	AGTATAAGTA	ACGAGACGAT	1200
Metarhizium_brunneum_ARSEF_4179	AACCTTACAG	GTCACGTGCC	GATACGATAA	GACAGATAAG	ATATACAGCA	CGTGCTAGTA	CACGTGC---	-----C	AGTATAAGTA	ACGAGACGAT	1200

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	1300	
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	1300	
Metarhizium_caribense_INISAV_LBM-30	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_caribense_INISAV_LBM-41	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_caribense_INISAV_LBM-42	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_caribense_ARSEF_1448	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_caribense_ARSEF_5197	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_TYPE_CBS_257.90	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_2231	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_2809	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_3180	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GAT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_3210	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_3604	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_4290	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GAT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_4342	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GAT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_7422	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_7929	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_pingshaense_ARSEF_9975	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_robertsii_TYPE_ARSEF_2575	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GAT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_robertsii_ARSEF_727	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GAT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_robertsii_ARSEF_7501	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GAT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_robertsii_ARSEF_8070	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GAT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_robertsii_ARSEF_8685	AAGATCAACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGATCCCCGA	GAT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_anisopliae_TYPE_ARSEF_7487	AAGATCGATA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	TCCCTGCCA	AGGTCCCCGA	GGTCCCCGCG	ATTGCCGACC	TCGCCGACTA	1300
Metarhizium_anisopliae_ARSEF_798	AAGATCGATA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	TCCCTGCCA	AGGTCCCCGA	GGTCCCCGCG	ATTGCCGACC	TCGCCGACTA	1300
Metarhizium_anisopliae_ARSEF_1080	AAGATCGATA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	TCCCTGCCA	AGGTCCCCGA	GGTCCCCGCG	ATTGCCGACC	TCGCCGACTA	1300
Metarhizium_anisopliae_ARSEF_6347	AAGATCGATA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	TCCCTGCCA	AGGTCCCCGA	GGTCCCCGCG	ATTGCCGACC	TCGCCGACTA	1300
Metarhizium_anisopliae_ARSEF_7450	AAGATCGATA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	TCCCTGCCA	AGGTCCCCGA	GGTCCCCGCG	ATTGCCGACC	TCGCCGACTA	1300
Metarhizium_humberi_ESALQ_1638	AAGATCGACA	AGATACCTGC	ACGTGCCTAG	TCACGGAGAC	TTACACGTGT	TCCCTGCCA	AGGTCCCCGA	GGTCCCCGAG	ATTGCCGACC	TCGCCGACTA	1300
Metarhizium_brunneum_TYPE_ARSEF_2107	AAGATCGATA	AGATACCTGC	ACGTGCCAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGGTCCCCGA	GGTCCCCGAG	GTTGCCGACC	TCGCCGACTA	1300
Metarhizium_brunneum_ARSEF_1066	AAGATCGATA	AGATACCTGC	ACGTGCCAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGGTCCCCGA	GGT-----	--TGCCGACC	TCGCCGACTA	1300
Metarhizium_brunneum_ARSEF_1278	AAGATCGATA	AGATACCTGC	ACGTGCCAG	TCACGGAGAC	TTACACGTGT	CCCCTGCCA	AGGTCCCCGA	GGTCCCCGAG	GTTGCCGACC	TCGCCGACTA	1300
Metarhizium_brunneum_ARSEF_3295	AAGATCGATA	AGATACCTGC	AC-----	-----	-----	-----					

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1400
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1400
Metarhizium_caribense_INISAV_LBM-30	CTCCTGGTGT	AATGTGCCGG	TGTAGTTGTA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TTGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_caribense_INISAV_LBM-41	CTCCTGGTGT	AATGTGCCGG	TGTAGTTGTA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TTGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_caribense_INISAV_LBM-42	CTCCTGGTGT	AATGTGCCGG	TGTAGTTGTA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TTGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_caribense_ARSEF_1448	CTCCTGGTGT	AATGTGCCGG	TGTAGTTGTA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TTGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_caribense_ARSEF_5197	CTCCTGGTGT	AATGTGCCGG	TGTAGTTGTA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TTGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_pingshaense_TYPE CBS_257.90	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_pingshaense_ARSEF_2231	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	AAATCGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_pingshaense_ARSEF_2809	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TC-----	-----	---ACTTGTG	-----GT	-----	1400
Metarhizium_pingshaense_ARSEF_3180	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----	-----	1400
Metarhizium_pingshaense_ARSEF_3210	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_pingshaense_ARSEF_3604	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_pingshaense_ARSEF_4290	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----	-----	1400
Metarhizium_pingshaense_ARSEF_4342	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----	-----	1400
Metarhizium_pingshaense_ARSEF_7422	CTCCTGGCGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CACCCGTTTA	TCGCGATGCA	CTCACTTGTG	-----	-----	1400
Metarhizium_pingshaense_ARSEF_7929	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_pingshaense_ARSEF_9975	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_robertsii_TYPE ARSEF_2575	CTCTTGGTGT	AATGTGCCGG	TGT-----	---AATTTCT	TGCTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTTACTTGTA	-----	-----	1400
Metarhizium_robertsii_ARSEF_727	CTCTTGGTGT	AATGTGCCGG	TGT-----	---AATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTTACTTGTA	-----	-----	1400
Metarhizium_robertsii_ARSEF_7501	CTCTTGGTGT	AATGTGC---	-----	-----	-----	-----	-----	-----	-----	-----	-----	1400
Metarhizium_robertsii_ARSEF_8070	CTCTTGGTGT	AATGTGCCGG	TGT-----	---AATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTTACTTGTA	-----	-----	1400
Metarhizium_robertsii_ARSEF_8685	CTCTTGGTGT	AATGTGCCGG	TGT-----	---AATTTCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTTACTTGTA	-----	-----	1400
Metarhizium_anisopliae_TYPE ARSEF_7487	CTCCTGGTGT	AATATACCGG	TGTAGTTGTA	TATAATTTCT	TACTAGTCTT	AATAGTAGTA	CAC TTGTTTA	TCGCGATACA	CTTACTTGTA	GTGCGGCTGT	-----	1400
Metarhizium_anisopliae_ARSEF_798	CACCTGGTGT	AATATGCCGG	TGTAGTTGTG	TATAATTTCT	TACTAGTCTT	AATAGTAGTA	CAC TTGTTTA	TCGCGATACA	CTTACTTGTA	-----GT	-----	1400
Metarhizium_anisopliae_ARSEF_1080	CTCCTGGTGT	AATATGCCGG	TGTAGTTGTG	TATAATTTCT	TACTAGTCTT	AATAGTAGTA	CAC TTGTTTA	TCGCGATACA	CTTACTTGTA	-----GT	-----	1400
Metarhizium_anisopliae_ARSEF_6347	CTCCTGGTGT	AATATGCCGG	TGTAGTTGTG	TATAATTTCT	TACTAGTCTT	AATAGTAGTA	CAC TTGTTTA	TCGCGATACA	CTTACTTGTA	-----GT	-----	1400
Metarhizium_anisopliae_ARSEF_7450	CTCCTGGTGT	AATATACCGG	TGTAGTTGTA	TATAATTTCT	TACTAGTCTT	AATAGTAGTA	CAC TTGTTTA	TCGCGATACA	CTTACTTGTA	GTGCGGCTGT	-----	1400
Metarhizium_humberi_ESALQ_1638	CTCCTGGTGT	AATGTGCCGG	TGTAGTTATA	TATAATTTCT	TACTAGTCTT	AATAATAGTA	CAC TTGTTTA	TCGCGATACA	CTTACTTGTA	GTGCGGCTGT	-----	1400
Metarhizium_brunneum_TYPE ARSEF_2107	CTCCTGGTGT	AATGTGCCGG	TGCAGTTGCA	TATAATTCCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_brunneum_ARSEF_1066	CTCCTGGTGT	AATGTGCCGG	TGCA-----	-----	-----	-----	-----	-----	-----	-----	-----	1400
Metarhizium_brunneum_ARSEF_1278	CTCCTGGTGT	AATGTGCCGG	TGCAGTTGCA	TATAATTCCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTCACTTGTG	-----GT	-----	1400
Metarhizium_brunneum_ARSEF_3295	CTCCTGGTGT	AATGTGCCGG	TGCA-----	-----	-----	-----	-----	-----	-----	-----	-----	1400
Metarhizium_brunneum_ARSEF_3826	CTCCTGGTGT	AATGTGCCGG	TGCA-----	-----	-----	-----	-----	-----	-----	-----	-----	1400
Metarhizium_brunneum_ARSEF_4152	CTCCTGGTGT	AATATGCCGG	TACAGTTGCA	TATAATTCCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTTACTTGTA	-----GT	-----	1400
Metarhizium_brunneum_ARSEF_4179	CTCCTGGTGT	AATATGCCGG	TACAGTTGCA	TATAATTCCT	TACTAGTCTC	AATAATAGTA	CAC TCGTTTA	TCGCGATGCA	CTTACTTGTA	-----GT	-----	1400

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1500
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1500
Metarhizium_caribense_INISAV_LBM-30	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_caribense_INISAV_LBM-41	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_caribense_INISAV_LBM-42	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_caribense_ARSEF_1448	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_caribense_ARSEF_5197	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_TYPE CBS_257.90	GCGGGTGTGC	GGGTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_2231	GCGGGTGTGC	GGGTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_2809	GCGGCTGTGC	GGCTGTGCTG	ACGTGCTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_3180	-----	-----	-----	-GTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_3210	GCGGGTGTGC	GGGTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_3604	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_4290	-----	-----	-----	-GTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_4342	-----	-----	-----	-GTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_7422	-----	-----	-----	-GTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_7929	GCGGGTGTGC	GGGTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_pingshaense_ARSEF_9975	GCGGGTGTGC	GGGTGTGCTG	ACGTACTTGT	GGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CATATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_robertsii_TYPE ARSEF_2575	-----GTGC	GGTTGTGCTG	ACGTACTTGT	GGTGGTGTAC	TTACTCTATA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_robertsii_ARSEF_727	-----GTGC	GGTTGTGCTG	ACGTACTTGT	GGTGGTGTAC	TTACTCTATA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_robertsii_ARSEF_7501	-----	-----	-----	-----	-----	-----TGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_robertsii_ARSEF_8070	-----GTGC	GGTTGTGCTG	ACGTACTTGT	GGTGGTGTAC	TTACTCTATA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_robertsii_ARSEF_8685	-----GTGC	GGTTGTGCTG	ACGTACTTGT	GGTGGTGTAC	TTACTCTATA	ATAGTGCTGG	TACTTGCGGT	CACATACAAG	TTCCCTAGTAT	TTTGGCGTAG	1500
Metarhizium_anisopliae_TYPE ARSEF_7487	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	AGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTACGGT	CGCACACAAA	TCCCTAGTAT	TTTGGTGTAG	1500
Metarhizium_anisopliae_ARSEF_798	GCGGCTGTGC	GGCTGTGCTG	ATGTACTTGT	AGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTACGGT	CGCACACAAA	TCCCTAGTAT	TTTGGTGTAG	1500
Metarhizium_anisopliae_ARSEF_1080	GCGGCTGTGC	GGCTGTGCTG	ATGTACTTGT	AGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTACGGT	CGCACACAAA	TCCCTAGTAT	TTTGGTGTAG	1500
Metarhizium_anisopliae_ARSEF_6347	GCGGCTGTGC	GGCTGTGCTG	ATGTACTTGT	AGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTACGGT	CGCACACAAA	TCCCTAGTAT	TTTGGTGTAG	1500
Metarhizium_anisopliae_ARSEF_7450	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	AGTGGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTACGGT	CGCACACAAA	TCCCTAGTAT	TTTGGTGTAG	1500
Metarhizium_humberi_ESALQ_1638	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	AGTGGTGTAC	TTACTCTACA	ATAGTGCTGG	TACTTACGGT	CGCACACAAA	TCCCTAGTAT	TTTAGTGTAG	1500
Metarhizium_brunneum_TYPE ARSEF_2107	ACGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGT-----	-----	-----	-----	-----	-----	-----	1500
Metarhizium_brunneum_ARSEF_1066	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1500
Metarhizium_brunneum_ARSEF_1278	ACGGCTGTGC	GGCTGTGCTG	ACGTACTT--	-----	-----	-----	-----	-----	-----	-----	1500
Metarhizium_brunneum_ARSEF_3295	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1500
Metarhizium_brunneum_ARSEF_3826	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1500
Metarhizium_brunneum_ARSEF_4152	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGTAGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CACATACAAT	TTCCCAAGTAT	TTTGGCGTAG	1500
Metarhizium_brunneum_ARSEF_4179	GCGGCTGTGC	GGCTGTGCTG	ACGTACTTGT	GGTAGTGCAC	TTACTCTACA	ATAGTGCTGG	TACTTGCGGT	CACATACAAT	TTCCCAAGTAT	TTTGGCGTAG	1500

[illegible]

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[illegible]

mcar-IDF1	-----	-----	-----	-----	-----	-----	-----	-----	---	1893
mcar-IDR1	-----	-----	-----	-----	-----	-----	-----	-----	---	1893
Metarhizium_caribense_INISAV_LBM-30	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_caribense_INISAV_LBM-41	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_caribense_INISAV_LBM-42	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_caribense_ARSEF_1448	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_caribense_ARSEF_5197	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_TYPE_CBS_257.90	-----	--TATAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_2231	-----	--TATAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_2809	-----	--TACAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_3180	-----	--TGTAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_3210	-----	--TATAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_3604	-----	--TATAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_4290	-----	--TGTAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_4342	-----	--TGTAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_7422	-----	--CATAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_7929	-----	--TATAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_pingshaense_ARSEF_9975	-----	--TATAGGGT	AGGCTG-TAC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGGA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_robertsii_TYPE_ARSEF_2575	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_robertsii_ARSEF_727	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_robertsii_ARSEF_7501	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_robertsii_ARSEF_8070	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_robertsii_ARSEF_8685	-----	--TATAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_anisopliae_TYPE_ARSEF_7487	TGGCAGGGTA	GGTACCGGGT	AGGCTGGTGC	AGGTACTTGC	AGTTGCATAC	AAATTCCTA	GTAAGCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_anisopliae_ARSEF_798	TGGTAGGGCA	GGTACCGGGT	AGGCTG-TGC	CGGTACTTGC	TGTCGCATAC	AAATTCCTA	GTAAGCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_anisopliae_ARSEF_1080	TGGTAGGGCA	GGTACCGGGT	AGGCTG-TGC	CGGTACTTGC	TGTCGCATAC	AAATTCCTA	GTAAGCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_anisopliae_ARSEF_6347	TGGTAGGGCA	GGTACCGGGT	AGGCTG-TGC	CGGTACTTGC	TGTCGCATAC	AAATTCCTA	GTAAGCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_anisopliae_ARSEF_7450	TGGCAGGGTA	GGTACCGGGT	AGGCTGGTGC	AGGTACTTGC	AGTTGCATAC	AAATTCCTA	GTAAGCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_humberi_ESALQ_1638	TGGTAGGGTA	GGTACCGGGT	AGGCTGGTGC	AGGTACTTGC	AGTTGCATAC	AGATTCCCTA	GTAAGCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_brunneum_TYPE_ARSEF_2107	-----	--TACAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_brunneum_ARSEF_1066	-----	--TACAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_brunneum_ARSEF_1278	-----	--TACAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCCGAA	GTACCCCGCG	GCGCGGGCAA	GTT 1893
Metarhizium_brunneum_ARSEF_3295	-----	--TACAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAG	CTT 1893
Metarhizium_brunneum_ARSEF_3826	-----	--TACAGGGT	AGGCTG-TGT	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAA	CTT 1893
Metarhizium_brunneum_ARSEF_4152	-----	--TACAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAG	CTT 1893
Metarhizium_brunneum_ARSEF_4179	-----	--TACAGGGT	AGGCTG-TGC	CGGTACTTGC	GGTCGCACAC	AAAT-CCCTA	GCAGCCTGAA	GTACCCCGCG	GCGCGGGCAG	CTT 1893