

Supplementary (S2)



Supplementary (S2). Sequence alignment of the ITS region

Data 1 Sequence alignment for the ITS region of 10 selected species of Malvaceae *s.l*

4	-----GGTGAACCTGCGGAAG	16
9	-----	0
10	-----	0
14	-----	0
19	-----CGTAGGTGACCTGCGGAAG	19
1	CTTGGTCATTTAGAGGAAGTAGAAGTCGTAACAAGGTTCCGTAGGTGAACCTGCGGAAG	60
16	-----	0
22	-----TCCGTAGGTGAACCTGCGGAAG	22
13	-----GGAAGGAGAAGTCGTAACAAGGTTCCGTAGGTGAACCTGCGGAAG	46
17	-----TCCGTAGGTGAACCTGCGGAAG	22
4	GATCATTTTCGAAACCTGCCTAGCAGAACGACCCGCGAACGAGTTATCAACACACC----	72
9	-----ACTGTCCCGCAGACCCGCTGAAC TAGTTGTGTACACAAACATC	46
10	-----CTCGGACCCTAAAACGACCCGTGAACGCGTTAA--GTACAAACATC	44
14	-----CCTGCATAGCAGAACGACCCGTGAATGTGTTATCATACAAAACAAC	46
19	GATCATTGTGCGAAACCTGCC TAGCAGAACGACCCGCGAACGYGTTATCGAACAACCGATC	79
1	GATCATTGTGCGAAACCTGCCCAGCAGAGCGACCCGCGAAC TAGTAACACAACACTCGGGG	120
16	-----CCTGCCTAGCAGAACGACCCGCGAACGCGTTGCAAAACAACCCGGA	46
22	GATCATTTCCGAAACCTGCCCAGCAGAACGACCCGCGAACGCGTTGTAACAACACCCGGA	82
13	GATCATTGTGCGAAGCCTGCCCAGCAGAACGACCCGCGAACGTTATCGAAAAACAACGG	106
17	GATCATTGTGCGAAACCTGCC TAGCAGAACGACCCGTGAACGTTATCWAACATCAAAGG	82
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4	CGAAGGGGGCCAGGATGCCACCACGCTCCGAACCCCTTCGAGTCGCGGCGAGCGTGACG	132
9	GCGGGGGGGCGAGGGTGCCTACGTGCCCGGAGCCCTCGGTGCCCTGGCGTTGCGGACC	106
10	GCGGGGGGGTGAGGGAGCGTCCGCGCCCGATCTCCCTCGCGGCCCTTGCGCGGGGACC	104
14	GAGAGGGCGCGGGTTTAGACCGTCCC--AACTTTC--TCGATGCCTTGGTGCGTTTGGTC	102
19	GAGGGGTGCGGATGCATCCTYGCCCGAGCCCC--TCGACGCCTCGGCGCGCCGAGCC	137
1	GGCGAGGGCGCACAAAGTGTG---CTCTACTCCCC--CCCATGGCCCGGG--TGCCTGTG	172
16	GGTGGTGCGGGTGC--ATCCTCGCCTCTCGCCACC--CC-CGTGTCTCGGAGCGGCCAGTC	102
22	GGTGGTGGGGTGC--ATCCTTGCCTCTCGCTACC--CTCCACGTCTCGGAGCGATCGGTC	139
13	GTGGGGCGAGGGCGCATCCC--CGCCCATCGTCC-----	138
17	GAGGGGTGCGGTCGCATCATTGCGCCCCGTCCCC--TTCCTGA-----	124
4	GTTGCTTCG--CTTTGCCCTCGAGGCAGGTGGGGTGCCCGCTCTCCTCGCCCGGGCACA	190
9	TCGA-CCCG--TCAGGCCTTCGTGGCGGGCGGGATGCGTGGTTCG-CGTCGCTTGCGGCAG	162
10	AGCA-CCCG--CCACGCCCCGGGCGTGCGGGACGGTTGGTTCCCGTCGCTAGCGGCCG	161
14	TTGCCACATCCCCGTTT-----TGGAGGGTGACAAGCATGTTCCATCCACACAAAGGCA	157
19	TCTCCGCATCCGTCCTCG-----GGC-GGGTGT-CCCGGTCTCGTCGTGCTCCGGGGCA	190
1	ACCCCGTGTGCTTCCGTGGCCTCTGGGCATGGG--ATGCGCGAGGCCGTGCGCTGTGGC	229
16	TCGTCGTCCTTTGCCCGTGGGTGGGGTGAGATGCCGGGATCAACCTCTTCGAGGCAA-	161
22	TTGCAGTCCCTCCGCCCATCGGGCGGGGTGAGATGCCAGGTTCAACCTCTCCGAGGCAA	199
13	-----CCCTACCCTCGCCTCTCGGGGCGA	162
17	-----CCCGGTGACATGGGAACCCGTGTCCCGTGGCA	157

Data 1 (continous)

4	CAATAACGAACCCCCGGCGCGAATCGCGCCAAGGAACCG--TAAAGAAAAGAGCACGTT	248
9	AACCAACGAACCCCCGGCGCGAGTCGCGCCAAGGA--AACGGAATGACGAGGAGCACGTC	220
10	AAACAACG-AACCCCGGCGCGAGTCGCGCCAAGGAATACGAAAATGATGAGGAGCACGCC	220
14	AAACCAACAACCCCCGGCGTGAATTGCGCCAAGGAATAAAACTAAAAGAGGG--CACGC	215
19	AAACGAACAACCCCCGGCGCGAATCGCGTCAAGGAATAAAAATGAAAAGAGT--GCGTG	248
1	TTCATAACGAACCCCCGGCGCGAATCGCGCCAAGGAACCTGAACTAAAGGACCACGACGG-	288
16	AGCGAACAACCCCCGGCGCGAATCGCGCCAAGGAATCGAAACGAAAGAAGGGGCACGTC	221
22	AACGTACAAACCCCCGGCGCGAATCGCGCCAAGGAATCGAAACGAAAAAAGGGCACGTC	259
13	AACGAACAACCCCCGGCGCGAATCGCGCCAAGGAATCTGAATTGAAAGGA--GCACGTC	220
17	AAACAACAACCCCCGGCGTGAATTACGCCAAGGAATCTGAATGAAAAGGT--GGTCGTC	215
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4	GCTCGTCGCTGCCCCGTTGCGGGTGAGTA--A--GCGCGGCTCGTGTCTCCTTTCCTA	303
9	CGCTGCCCCGCCCCGCCGCGGTGCGGTGCGGGCAGCGGCGTGTCTCCTCCGTCG--T	278
10	GGCTGTGCGCCGCCCGTCCGCGGGGTCCGTGCGCGCAGCGTCGTGTCTCCTCCGTCGCGA	280
14	TACTGTGCGACCCGTTTGGCGGTGTTTGTGCGG---CAGTGTGCTGCTACTTTTGTGTC	272
19	-----TTCGTTGTCGTATGG---CAGCGAGGGCGTTACTCTCGTCG	287
1	-----AAGCCGCCCGGTCTCGGTGTG-----T-TGGCAACCGCCGTGCCTAGTTTAT	336
16	TTCTGTGCGCCGACCGTTGCGGGTGTGATGCTT-CAGTGATGTTGTTCTTTGTCGCG--	278
22	TCATGTGCGCCGACCGTTGCGGGTGTGCGGCTT-CGGTGATGTTGTTCTTCGTCGCGA	318
13	CCCCGTGCGCCACCCCGTCCGCGGTGCGTGTGCGG-CGGGGA--CGCTGCGACTTCGTCG	276
17	TGTTGTGCGACCCCGTTGCGGGTGCCTGTGCGG-CGGAGA--CGTGCCACTTTGTGCG	271
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4	AGAAAATCTAAAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	363
9	GAAAATTAAGAAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	338
10	AAAAATAACAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	340
14	GTGAAAACAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	332
19	TGAAAATTAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	347
1	TGAGAATCTATAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	396
16	AAAATACAGAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	338
22	AACACATACAGAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	378
13	TGAATACACAAAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	336
17	TGAATACACAAAACGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGT	331

4	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTGAACG	423
9	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTGAACG	398
10	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTGAACG	400
14	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTGAACG	392
19	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTGAACG	407
1	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTGAACG	456
16	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTGAACG	398
22	AGCGAAATGCGATACTTGGTGTGAATTGCAGGATCCCGTGAACCATCGAGTCTTTGAACG	438
13	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTGAACG	396
17	AGCGAAATGCGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTTTTTGAACG	391

Data 1 (continous)

4	CAAGTTGCGCCCCAAGCCATTAGGCCGAGGGCACGCCTGCCTGGGTGTCACGCATCGTCG	483
9	CAAGTTGCGCCCCGAGCCATTAGGCTGAGGGCACGCCTGCCTGGGTGTCACGCATCGTCG	458
10	CAAGTTGCGCCCCAAGCCATTAGGCCGAGGGCACGTCTGCCTGGGTGTCACGCATCGTCG	460
14	CAAGTTGCGCCCCAAGCCATTAGGCCGAGGGCACGTCTGCCTGGGTGTCACGCATCGTCG	452
19	CAAGTTGCGCCCCAAGCCTTAGGCCGAGGGCACGTCTGCCTGGGTGTCACGCATCGTCG	467
1	CAAGTTGCGCCCCAAGCCATTAGGCCGAGGGCACGTCTGCCTGGGTGTCACGCATCGTCG	516
16	CAAGTTGCGCCCCAAGCCATTAGGCCGAGGGCACGTCTGCCTGGGTGTCACGCATCGTCG	458
22	CAAGTTGCGCCCCAAGCCATTAGGCCGAGGGCACGTCTGCCTGGGTGTCACGCATCGTCG	498
13	CAAGTTGCGCCCCAAGCCGTTAGGCCGAGGGCACGTCTGCCTGGGTGTCACGCATCGTCG	456
17	CAAGTTGCGCCCCAAGCCATTAGGCCGAGGGCACGTCTGCCTGGGTGTCACGCATCGTTG	451
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4	CTCCCCAACGACCCTCACGGGTGAAC-----GGAAGGGACGGAAAATGGCCTC	533
9	CCCCCTCCAATCCCTTAGCCCTCGGGGCG-GGGACGAGGTGGGGCGGAAAATGGC-CT	516
10	CCCCCTCCCATCCCTGGCCCTCGGGGCTCCGGGTGAGGCGGGGGCGGAAAATGGC-CT	519
14	CCCCCATCAACT-----G-AGTGTGGGCGGAAATTGG-CTT	488
19	CCCCCGTCAAACCCGAGCCCTC-GGGCCGGGATCGA-CGCGCGGGCGGAAATTGG-CCT	524
1	CCCCCCCCAATCCCGAGCCTCCAAG-CTCCGGGTT-GCATCGGGCGGATAATGG-CCT	573
16	CCCCCATCCAACCATGAGCCCTC-GAGCCTCGGTTGG-ACCGCGGGCGGAAATTGG-CCT	515
22	CCCCCATCCAACCCGAGCCCTC-GGGCCTCGGTTGA-ACTGTGGGCGGAAATTGG-CCT	555
13	CCCCCATCCAACCTTTCCCGGAGGGAACGGGTTGC-GTTGCGGGCGGACAATGG-CCT	514
17	CCCCCATCCAACCTTACCACA-GGGCATCGGTTGA-GGTGTGGGCGGAGAATGG-CCT	508
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4	CCGTGAGCCTCCTCGCTCGCGGTTGGCCAAAT-GCGAGTCTCGGCGACGGCAGCGCCG	592
9	CCCGTGCCTCCCCGCTCGCGGTTGGCTAAAA-TCGGGTCCCGGGCGGGCAGCGTCG	575
10	CCCGTGAGCTCCGCGCTCGCGGTTGGCTAAAA-TCGGGTCTCGGCGACGATAGCGCCG	578
14	CCCGTGCCTCATCGCTCGCGGTTGGCTAAAA-ATGAGTCTTCGGCGAT-GAAGTGCCG	546
19	CCCGTGCCTCACCCTCGCGGTTGGTCTAAAT-TCGAGTCTCGGCGAT-GAAGCGCCG	582
1	CCCGTGCCTCTTGCTCGCGGTTGGCTAAATAGCCAGTCTCGGCGATCATGGTGCCG	633
16	CCCGTGCCTCACAGCCAGCGGTTGGCTAAAT-TCGAGTCTCGACGACATCATCGTCG	574
22	CCCGGAGCTCACCGCCGCGGTTGGCTAAAT-ACGAGTCTCGACGACGGTATCGTCG	614
13	CCCGTCCGCGCATCGCCCGGTTGGCCAAAA-TCGAGTCATCGGCGACCACGGTGCCG	573
17	CCCGTGCCTCACCCTCGCGGTTGGCTAAAA-TCGAGTCTCGGCGACCACGGTGCCG	567
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4	CGACGATCGGTGGTAACGCCTCCTAGGCTTCCCTCGTCCCTCGTCAAGCGCCCTTCGT	652
9	CGACGATCGGTGGTGTGCTGCCTCGGGCGCGCTCGTTTCGC--GGTCCGCGCG--CTTTC	630
10	CGACAATCGGTGGTTCATGCCTCGAGCGCTCC-----GGTCCGCTGCG--TTTTTC	625
14	CGACAATCGGTGGGAATGCTTTCAGCTGCCTCGTTTCGTTAGTCG-----TGTGCGCTCGTC	601
19	CGACGATCGGTGGGAACGCCTTTGGCTGCCTCGTTTCGAGTCG-----CGCGCTCGTC	637
1	CGGCCTTCGGTGGTAACGCTATTATCGGCATGCCCGGTTCGC--TTTCCCTTCGT	688
16	CGACGATCGGTGGTAATGCTGCAAGCAACCTCGTTTCGAGTCG-----TGCCTGCTCGT-	628
22	CGACGATCGGTGGTAATGCTATCGGCTGCCTCGTTTCGAGTCG-----TGCCTGCTCGT-	668
13	CGACGATCGGTGGTAACGCTTTCGGCTGCCTCGTTTCGAGTCG-----CGCGCTACCGT-	627
17	CGACAATCGGTGGTGTGCTTCGAGCTGCCTCGTTTTTTGTCG-----TGTGCTGCGT-	621
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Data 1 (continous)

4	CCGTCCGGACCCCTTCGAGACCCTGAACGCATCGTTTCGACGATGCTCGCATCGCGACC	712
9	GCTCGGCCGGACCCATCGAGACCCTACTCGCGTCGCACGAGCGATGCTCGCATCGCGACC	690
10	GTTTCGTTCCGGACCCCTTCGAGACCCTACTCGCGTCGCACGAGCGATGCTCGCATCGCGACC	685
14	GATT---AGGACATCATGACCCTT--TTTGCATCAAAGTGTGATGCTCGCATCGCGACC	656
19	GATC---GGGACGCTTTCGACCCTTTAAGGCATCGCGACGTCGATGCTCGCATCGCGACC	694
1	CCTGTTGGACCAATGAATAAGACCCTATGGCGTCGATCTGTGATGCCCGCAATGCGACC	748
16	----CGATCGAGACCCTTGAACCCTTTCGGCATCGCAAGGACGGTGCTCGCATCGCGACC	684
22	----CGATCGAGGCCCTGACCCCTTTTGGCATCGCAAGGACGGTGCTCGCATCGCGACC	724
13	----CGACCCCGGCTCTCCGACCCTTCTGCACCGCAACACGGTGCTCGCGTCGCGACC	683
17	----CGATCCGTGCTCTCTGACCCTTTCGGCACCAGCACGGTGCTCGCATCGCGACC	677
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4	CCAGGTCAGGCGGGATTACCCGCTGAATTTAAG-----	745
9	CCAGGTCAGGCGGGACCACCC-----	711
10	CCAGGTCAGGCGGGACTACCC-----	706
14	CCAGGTCAGGCGGGATTACCC-----	677
19	CCAGGTCAGGCGGGATCACCCG-----	716
1	CCAGGTCAGGCGGGATTACCCGCTGAGTTTAAGCATATCAATAAGCGGAG--	798
16	CCAGGTCAGGCGGGATTACCC-----	705
22	CCAGGTCAGGCGGGATTACCCGCTGAGTTTA-----	755
13	CCAGGTCAGGCGGGACTACCCGCTGAGTTTAAGCATATCAATAAGCGGAGGA	735
17	CCAGGTCAGGCGGGATTACCCGCTGAGTTTAAGCATATCAATAAGCGGAGAA	729
