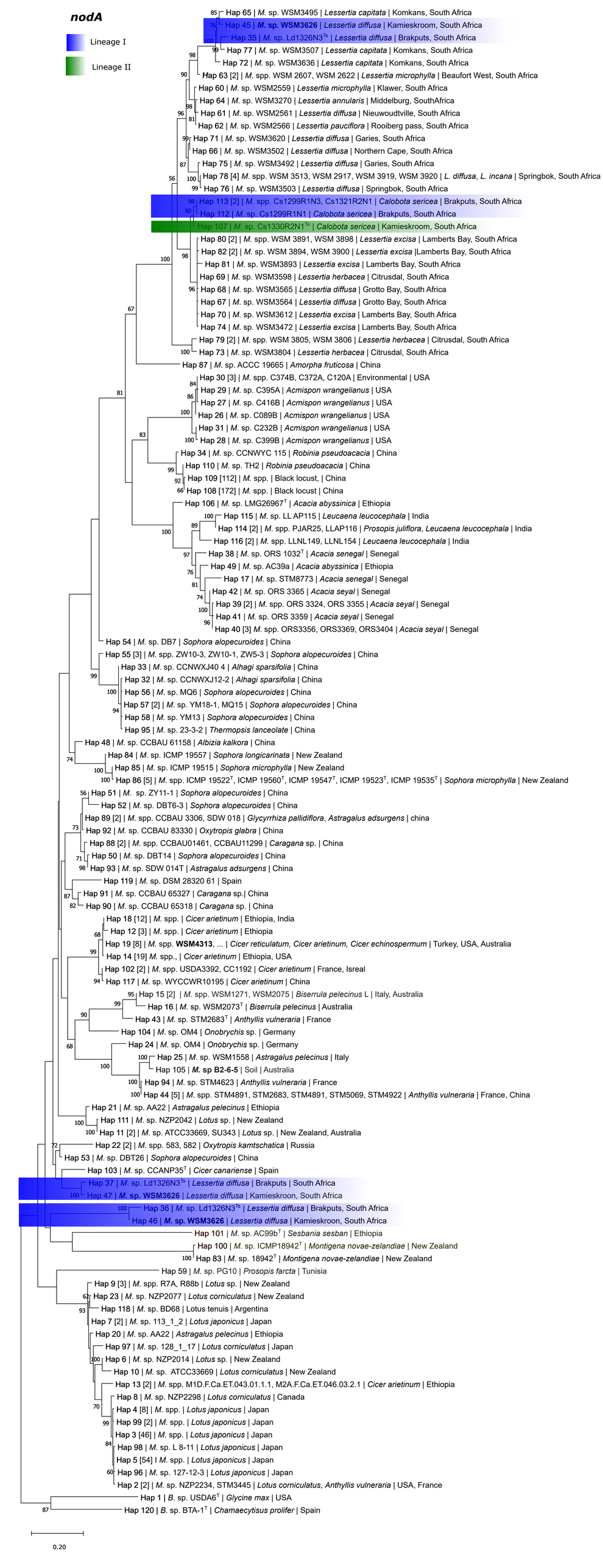
nodA
Lineage I
Lineage II
Hap 65 | M. sp. WSM3495 | Lessertia capitata | Komkans, South Africa
Hap 45 | M. sp. WSM3626 | Lessertia diffusa | Kamieskroom, South Africa
Hap 35 | M. sp. Ld1326N3Ts | Lessertia diffusa | Brakputs, South Africa
Hap 77 | M. sp. WSM3507 | Lessertia capitata | Komkans, South Africa
Hap 72 | M. sp. WSM3636 | Lessertia capitata | Komkans, South Africa
Hap 63 [2] | M. spp. WSM 2607, WSM 2622 | Lessertia microphylla | Beaufort West, South Africa
Hap 60 | M. sp. WSM2559 | Lessertia microphylla | Klawer, South Africa
Hap 64 | M. sp. WSM3270 | Lessertia annularis | Middelburg, SouthAfrica
Hap 61 | M. sp. WSM2561 | Lessertia diffusa | Nieuwoudtville, South Africa
Hap 62 | M. sp. WSM2566 | Lessertia pauciflora | Rooiberg pass, South Africa
Hap 71 | M. sp. WSM3620 | Lessertia diffusa | Garies, South Africa
Hap 66 | M. sp. WSM3502 | Lessertia diffusa | Northern Cape, South Africa
Hap 75 | M. sp. WSM3492 | Lessertia diffusa | Garies, South Africa
Hap 78 [4] M. spp. WSM 3513, WSM 2917, WSM 3919, WSM 3920 | L. diffusa, L. incana | Springbok, South Africa
Hap 76 | M. sp. WSM3503 | Lessertia diffusa | Springbok, South Africa
Hap 113 [2] | M. spp. Cs1299R1N3, Cs1321R2N1 | Calobota sericea | Brakputs, South Africa
Hap 112 | M. sp. Cs1299R1N1 | Calobota sericea | Brakputs, South Africa
Hap 107 | M. sp. Cs1330R2N1Ts | Calobota sericea | Kamieskroom, South Africa
Hap 80 [2] | M. spp. WSM 3891, WSM 3898 | Lessertia excisa | Lamberts Bay, South Africa
Hap 82 [2] | M. spp. WSM 3894, WSM 3900 | Lessertia excisa |Lamberts Bay, South Africa
Hap 81 | M. sp. WSM3893 | Lessertia excisa | Lamberts Bay, South Africa
Hap 69 | M. sp. WSM3598 | Lessertia herbacea | Citrusdal, South Africa
Hap 68 | M. sp. WSM3565 | Lessertia diffusa | Grotto Bay, South Africa
Hap 67 | M. sp. WSM3564 | Lessertia diffusa | Grotto Bay, South Africa
Hap 70 | M. sp. WSM3612 | Lessertia excisa | Lamberts Bay, South Africa
Hap 74 | M. sp. WSM3472 | Lessertia excisa | Lamberts Bay, South Africa
Hap 79 [2] | M. spp. WSM 3805, WSM 3806 | Lessertia herbacea | Citrusdal, South Africa
Hap 73 | M. sp. WSM3804 | Lessertia herbacea | Citrusdal, South Africa
Hap 87 | M. sp. ACCC 19665 | Amorpha fruticosa | China
Hap 30 [3] | M. spp. C374B, C372A, C120A | Environmental | USA
Hap 29 | M. sp. C395A | Acmispon wrangelianus | USA
Hap 27 | M. sp. C416B | Acmispon wrangelianus | USA
Hap 26 | M. sp. C089B | Acmispon wrangelianus | USA
Hap 31 | M. sp. C232B | Acmispon wrangelianus | USA
Hap 28 | M. sp. C399B | Acmispon wrangelianus | USA
Hap 34 | M. sp. CCNWYC 115 | Robinia pseudoacacia | China
Hap 110 | M. sp. TH2 | Robinia pseudoacacia | China
Hap 109 [112] | M. spp. | Black locust, | China
Hap 108 [172] | M. spp. | Black locust | China
Hap 106 | M. sp. LMG26967T | Acacia abyssinica | Ethiopia
Hap 115 | M. sp. LL AP115 | Leucaena leucocephala | India
Hap 114 [2] | M. spp. PJAR25, LLAP116 | Prosopis juliflora, Leucaena leucocephala | India
Hap 116 [2] | M. spp. LLNL149, LLNL154 | Leucaena leucocephala | India
Hap 38 | M. sp. ORS 1032T | Acacia senegal | Senegal
Hap 49 | M. sp. AC39a | Acacia abyssinica | Ethiopia
Hap 17 | M. sp. STM8773 | Acacia senegal | Senegal
Hap 42 | M. sp. ORS 3365 | Acacia seyal | Senegal
Hap 39 [2] | M. spp. ORS 3324, ORS 3355 | Acacia seyal | Senegal
Hap 41 | M. sp. ORS 3359 | Acacia seyal | Senegal
Hap 40 [3] M. spp. ORS3356, ORS3369, ORS3404 | Acacia seyal | Senegal
Hap 54 | M. sp. DB7 | Sophora alopecuroides | China
Hap 55 [3] | M. spp. ZW10-3, ZW10-1, ZW5-3 | Sophora alopecuroides | China
Hap 33 | M. sp. CCNWXJ40 4 | Alhagi sparsifolia | China
Hap 32 | M. sp. CCNWXJ12-2 | Alhagi sparsifolia | China
Hap 56 | M. sp. MQ6 | Sophora alopecuroides | China
Hap 57 [2] | M. sp. YM18-1, MQ15 | Sophora alopecuroides | China
Hap 58 | M. sp. YM13 | Sophora alopecuroides | China
Hap 95 | M. sp. 23-3-2 | Thermopsis lanceolate | China
Hap 48 | M. sp. CCBAU 61158 | Albizia kalkora | China
Hap 84 | M. sp. ICMP 19557 | Sophora longicarinata | New Zealand
Hap 85 | M. sp. ICMP 19515 | Sophora microphylla | New Zealand
Hap 86 [5] | M. spp. ICMP 19522T, ICMP 19560T, ICMP 19547T, ICMP 19523T, ICMP 19535T | Sophora microphylla | New Zealand
Hap 51 | M. sp. ZY11-1 | Sophora alopecuroides | China
Hap 52 | M. sp. DBT6-3 | Sophora alopecuroides | China
Hap 89 [2] | M. spp. CCBAU 3306, SDW 018 | Glycyrrhiza pallidiflora, Astragalus adsurgens | china
Hap 92 | M. sp. CCBAU 83330 | Oxytropis glabra | China
Hap 88 [2] | M. spp. CCBAU01461, CCBAU11299 | Caragana sp. | China
Hap 50 | M. sp. DBT14 | Sophora alopecuroides | China
Hap 93 | M. sp. SDW 014T | Astragalus adsurgens | China
Hap 119 | M. sp. DSM 28320 61 | Spain
Hap 91 | M. sp. CCBAU 65327 | Caragana sp.| China
Hap 90 | M. sp. CCBAU 65318 | Caragana sp. | China
Hap 18 [12] | M. spp. | Cicer arietinum | Ethiopia, India
Hap 12 [3] | M. spp. | Cicer arietinum | Ethiopia
Hap 19 [8] | M. spp. WSM4313, ... | Cicer reticulatum, Cicer arietinum, Cicer echinospermum | Turkey, USA, Australia
Hap 14 [19] M. spp., | Cicer arietinum | Ethiopia, USA
Hap 102 [2] | M. spp. USDA3392, CC1192 | Cicer arietinum | France, Isreal
Hap 117 | M. sp. WYCCWR10195 | Cicer arietinum | China
Hap 15 [2] | M. spp. WSM1271, WSM2075 | Biserrula pelecinus L | Italy, Australia
Hap 16 | M. sp. WSM2073T | Biserrula pelecinus | Australia
Hap 43 | M. sp. STM2683T | Anthyllis vulneraria | France
Hap 104 | M. sp. OM4 | Onobrychis sp. | Germany
Hap 24 | M. sp. OM4 | Onobrychis sp. | Germany
Hap 25 | M. sp. WSM1558 | Astragalus pelecinus | Italy
Hap 105 | M. sp B2-6-5 | Soil | Australia
Hap 94 | M. sp. STM4623 | Anthyllis vulneraria | France
Hap 44 [5] | M. spp. STM4891, STM2683, STM4891, STM5069, STM4922 | Anthyllis vulneraria | France, China
Hap 21 | M. sp. AA22 | Astragalus pelecinus | Ethiopia
Hap 111 | M. sp. NZP2042 | Lotus sp. | New Zealand
Hap 11 [2] | M. sp. ATCC33669, SU343 | Lotus sp. | New Zealand, Australia
Hap 22 [2] | M. spp. 583, 582 | Oxytropis kamtschatica | Russia
Hap 53 | M. sp. DBT26 | Sophora alopecuroides | China
Hap 103 | M. sp. CCANP35T | Cicer canariense | Spain
Hap 37 | M. sp. Ld1326N3Ts | Lessertia diffusa | Brakputs | South Africa
Hap 47 | M. sp. WSM3626 | Lessertia diffusa | Kamieskroon, South Africa
Hap 36 | M. sp. Ld1326N3Ts | Lessertia diffusa | Brakputs, South Africa
Hap 46 | M. sp. WSM3626 | Lessertia diffusa | Kamieskroon, South Africa
Hap 101 | M. sp. AC99bT | Sesbania sesban | Ethiopia
Hap 100 | M. sp. ICMP18942T | Montigena novae-zelandiae | New Zealand
Hap 83 | M. sp. 18942T | Montigena novae-zelandiae | New Zealand
Hap 59 | M. sp. PG10 | Prosopis farcta | Tunisia
Hap 9 [3] | M. spp. R7A, R88b | Lotus sp. | New Zealand
Hap 23 | M. sp. NZP2077 | Lotus corniculatus | New Zealand
Hap 118 | M. sp. BD68 | Lotus tenuis | Argentina
Hap 7 [2] | M. sp. 113_1_2 | Lotus japonicus | Japan
Hap 20 | M. sp. AA22 | Astragalus pelecinus | Ethiopia
Hap 97 | M. sp. 128_1_17 | Lotus corniculatus | Japan
Hap 6 | M. sp. NZP2014 | Lotus sp. | New Zealand
Hap 10 | M. sp. ATCC33669 | Lotus corniculatus | New Zealand
Hap 13 [2] | M. spp. M1D.F.Ca.ET.043.01.1.1, M2A.F.Ca.ET.046.03.2.1 | Cicer arietinum | Ethiopia
Hap 8 | M. sp. NZP2298 | Lotus corniculatus | Canada
Hap 4 [8] | M. spp. | Lotus japonicus | Japan
Hap 99 [2] | M. spp. | Lotus japonicus | Japan
Hap 3 [46] | M. spp. | Lotus japonicus | Japan
Hap 98 | M. sp. L 8-11 | Lotus japonicus | Japan
Hap 5 [54] I M. spp. | Lotus japonicus | Japan
Hap 96 | M. sp. 127-12-3 | Lotus japonicus | Japan
Hap 2 [2] | M. sp. NZP2234, STM3445 | Lotus corniculatus, Anthyllis vulneraria | USA, France
Hap 1 | B. sp. USDA6T | Glycine max | USA
Hap 120 | B. sp. BTA-1T | Chamaecytisus prolifer | Spain
0.20