

Table S1. List of haplotypes and GenBank accession for populations studied. The newly generated sequences for *Ephedra compacta* and *Leucophyllum laevigatum* are fully included.

	<i>Berberis trifoliolata</i>			<i>Setchellanthus caeruleus</i>				<i>Lindleya mespiloides</i>		
	Haplotype	<i>rpl32-trnL</i>	<i>trnH-psbA</i>	Haplotype	<i>psbA-trnH</i>	<i>trnF-trnL</i>	<i>psbI-psbK</i>	Haplotype	<i>psbA-trnH</i>	<i>trnH-rpl2</i>
México, Acatitlán, Qro (ACT)								H4, H8	KX467735 KX467739	KX467769
Mexico, Arteaga, Coah (ART)	H8, H13, H14	KY397705 KY397689 KY397680	KY397750 KY397734 KY397725							
Mexico, borderline Coah-Zac (FCZ)	H14, H15	KY397680 KY397717	KY397725 KY397761					H1, H3	KX467732 KX467734	KX467768 KX467769
Mexico, Cerro El Potosí, NL (CEP)	H16, H36, H40	KY397679 KY397684 KY397762	KY397724 KY397729 KY397730					H1, H2, H5, H7	KX467732 KX467733 KX467736 KX467738	KX467768 KX467770
Mexico, Chih (CHIH)	H2, H27, H31, H32	KY397708 KY397695 KY397715 KY397716	KY397762 KY397740 KY397759 KY397716							
Mexico, Cuatro Cienegas, Coah (CC)	H2, H21, H22, H23, H24, H25, H26, H27	KY397708 KY397690 KY397713 KY397712 KY397710 KY397711 KY397714 KY397695	KY397762 KY397735 KY397757 KY397756 KY397754 KY397755 KY397758 KY397740							
México, Galeana, NL (GAL)										
Mexico, Guadalcázar, SLP (GUAD)	H34	KY397702	KY397747					H1, H26, H27, H28	KX467732 KX467757 KX467758 KX467759	KX467772

Mexico, Ixmiquilpan, Hgo (IXM)	H1, H2	KY397707 KY397708	KY397752 KY397762							
México, Jicotlán, Oax (JIC)								H11, H12	KX467742 KX467743	KX467767 KX467772
México, La Angostura, Coah (ANG)	H2, H13, H14	KY397708 KY397689 KY397680	KY397762 KY397734 KY397725							
Mexico, La Gavia, Coah (LG)	H3, H4, H5, H13, H21	KY397687 KY397686 KY397688 KY397689 KY397690	KY397732 KY397731 KY397733 KY397734 KY397735							
México, La Lagunita, Qro (LAG)								H8, H20, H21, H22	KX467739 KX467751 KX467752 KX467753	KX467769
Mexico, La Zarca, Dgo (ZAR)										
México, Laguna Seca, SLP (LSE)								H11, H14	KX467742 KX467745	KX467767
Mexico, Lerdo, Dgo (LER)				H9, H10	KC778733 KC778734 KC778735 KC778736	KC778769 KC778770 KC778771 KC778772	KC778749 KC778750 KC778751 KC778752			
México, Maconí, Qro (MAC)								H3, H8, H22, H23	KX467734 KX467739 KX467753 KX467754	KX467771
Mexico, Mapimí, Dgo (MAP)				H8	KC778733 KC778734 KC778735 KC778736	KC778769 KC778770 KC778771 KC778772	KC867712 KC867713 KC867714 KC867715			
Mexico, Matehuala SLP (MAT)	H4, H6, H13, H20	KY397686 KY397704 KY397689 KY397703	KY397731 KY397749 KY397734 KY397748							

Mexico, San Juan del Rio, Dgo (ATO)										
Mexico, San Pedro Iturbide, NL (SPI)	H38, H39	KY397693 KY397692	KY397738 KY397737					H2, H7	KX467733 KX467738	KX467768 KX467770
Mexico, Santa María del Oro, Dgo (StaMO)	H27	KY397695	KY397740							
México, Santa Teresa, SLP (TER)								H11	KX467742	KX467767 KX467769
Mexico, Sierra de San Miguel, NL (SSM)	H14, H16	KY397680 KY397679	KY397725 KY397724							
México, Sierra Mojada, Coah (MOJ)										
México, Tamazulapam, Oax (TAM)								H11, H13, H14	KX467742 KX467744 KX467745	KX467772
Mexico, Teotitlán, Oax (TEO)				H3, H7	KC778722 KC778723 KC778724 KC778725 KC778726	KC778758 KC778759 KC778760 KC778761 KC778762	KC778738 KC778739 KC778740 KC778741 KC778742 KC778743			
México, Teotongo, Oax (TT)								H4, H11, H12, H15	KX467735 KX467742 KX467743 KX467746	KX467767 KX467771 KX467772
Mexico, Trópico de Cáncer, Zac (TCA)								H7	KX467738	KX467770
Mexico, Ventura, SLP (VEN)	H13, H34	KY397689 KY397702	KY397734 KY397747							

Mexico, Zapotitlán de Salinas Pue (TEH)				H1 H2, H3, H4, H5, H6	KC778727 KC778728 KC778729 KC778730	KC778763 KC778764 KC778765 KC778766 KC778767	KC778744 KC778745 KC778746 KC778747 KC778748	H16, H17, H18, H19	KX467747 KX467748 KX467749 KX467750	KX467767 KX467771 KX467772
México, Zaragoza, NL (ZAG)								H8, H9, H10	KX467739 KX467740 KX467741	KX467769 KX467772
U.S. Austin, Texas (AUST)	H9, H13	KY397706 KY397689	KY397751 KY397734							
U.S. Puroola, Texas (PUR)	H2, H10, H11, H13	KY397708 KY397701 KY397700 KY397691 KY397689	KY397762 KY397746 KY397745 KY397736 KY397734							

Sequences

> *Ephedra compacta* 1 (matK). Mexico, Arteaga, Coah (ART). Sierra_Art_1

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
 GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
 TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
 GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
 CTGTTTTGATATTTTGTTCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTC AATTTT
 CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
 TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
 TTAAGTTTGTGAATAATTCTATTATTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTTCGAA
 GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
 AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
 GGAAAATTGATTTTGTGCTGGGAACACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
 TTATCGGAACCCTCTAGTTTTTTTTTGAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAAACT
 CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
 TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
 ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 2 (matK). Mexico, Arteaga, Coah (ART). Sierra_Art_2

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
 GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
 TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
 GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
 CTGTTTTGATATTTTGTTCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTC AATTTT

CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 4 (matK). Mexico, Arteaga, Coah (ART). Sierra_Art_4

ATTCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 5 (matK). Mexico, Arteaga, Coah (ART). Sierra_Art_5

ATTCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 6 (matK). Mexico, Arteaga, Coah (ART). Sierra_Art_6

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATAACAAGAAGTTCTTGTGTTTAATTTTCATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTCACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GAAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAAACCTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 2 (matK). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_2

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATAACAAGAAGTTGTTGTTTAATTTTCATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
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GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTCACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GAAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAAACCTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 3 (matK). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_3

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATAACAAGAAGTTGTTGTTTAATTTTCATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTCACAA

AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 4 (matK). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_4

ATCCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTGTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 5 (matK). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_5

ATCCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTGTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 6 (matK). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_6

ATCCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC

GTTC AATTAAGCTATTACATCAACAAA ACTATCTTGTGTATAATACAAGAAGTTGTTGTTTAAATTCATTGGAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 7 (matK). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_7

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAA ACTATCTTGTGTATAATACAAGAAGTTGTTGTTTAAATTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 9 (matK). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_9

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAA ACTATCTTGTGTATAATACAAGAAGTTGTTGTTTAAATTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT

TGTTATTCAATTTTTATCAAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 1 (matK). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_1

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTCACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTAAAAAAATGTGAATTTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAATATATTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 2 (matK). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_2

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTCACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTAAAAAAATGTGAATTTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAATATATTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 3 (matK). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_3

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT

TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTAAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAAATATATTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAAACCTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 4 (matK). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_4

ATTCCTTTCTTTTGAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTAAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAAATATATTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAAACCTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 5 (matK). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_5

ATTCCTTTCTTTTGAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTAAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAAATATATTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAAACCTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 1 (matK). Mexico, Real de Catorce SLP (RC). Real_C_1

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAAACCTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta 2 (matK). Mexico, Real de Catorce SLP (RC). Real_C_2*

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCCTCTAGTTTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAAACCTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta 1 (matK). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_1*

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTGTTGTTTTAATTTTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG

GGAAAAATTGATTTTGTCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 4 (matK). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_4

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTGTTGTTTAAATTCATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTC AATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTC AACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATTTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGTCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTGAAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 5 (matK). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_5

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTGTTGTTTAAATTCATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTC AATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTC AACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATTTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
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CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 6 (matK). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_6

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTGTTGTTTAAATTCATTGGAAAAACTTTTTTTTT

CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 7. (matK). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_7

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
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TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATAACAAGAAGTTGTTGTTTTAATTTCAATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGGTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
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AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGTT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 1. (matK). Mexico, Cuatro Cienegas, Coah (CC). Cuatro_Cie_1

ATTCCTTTCTTTTCAAAGTACTATTTGGTTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATAACAAGAAGTTCTTGTTTTTAATTTCAATTGGAAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
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AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
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CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTCAAACCTTAGCGCTGTTTT

TGTTATTCAATTTTTATCAAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 2. (matK). Mexico, Cuatro Cienegas, Coah (CC). Cuatro_Cie_2

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAGCTAGATTGTAATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAATGAAAACATACGTTGGCAACAACATTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
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AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
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CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 4. (matK). Mexico, Cuatro Cienegas, Coah (CC). Cuatro_Cie_4

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAGCTAGATTGTAATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAATGAAAACATACGTTGGCAACAACATTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGTT
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CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 1. (matK). Mexico, Parras, Coah (PARR). Parras_1

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAGCTAGATTGTAATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAATGAAAACATACGTTGGCAACAACATTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACACTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
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TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACA AAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
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TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 3. (matK). Mexico, Parras, Coah (PARR). Parras_3

ATTCCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
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AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAGATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
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TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAAATATATTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTA AATTCAA AACTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 1. (matK). Mexico, Parral, Chih (PARRAL). Parral_1

ATTCCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
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AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
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TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 2. (matK). Mexico, Parral, Chih (PARRAL). Parral_2

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
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TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTCAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCCTCTAGTTTTTTTTTGAACAAATTTCCAGTCAAAATATATTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 1. (matK). México, Galeana, NL (GAL). Galeana_1

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
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GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAAATTGATTTTGCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCCTCTAGTTTTTTTTTGAACAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 3. (matK). México, Galeana, NL (GAL). Galeana_3

ATTCTTTCTTTTGAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAATGAAAACATACGTTGGCAACAACATTTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAACTTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
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GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG

GGAAAAATTGATTTTGTCTGGGAACTACTATTCTAGTCAAAAAATGTGAATTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTGAAACAAATTTCCAGTCAAATATGTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTATCAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 4. (matK). México, Galeana, NL (GAL). Galeana_4

ATCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTATACTTTTTTCAAAGCAAT
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GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATTTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
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TTATCGGAACCCTCTAGTTTTTTTTGAAACAAATTTCCAGTCAAATATGTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTATCAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 5. (matK). México, Galeana, NL (GAL). Galeana_5

ATCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAAGTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT
CTGTTTTGATATTTTTGTTCCACGTGGTGGAAACACTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
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GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAAATTTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
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TTATCGGAACCCTCTAGTTTTTTTTGAAACAAATTTCCAGTCAAATATGTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTATCAAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta* 6. (matK). México, Galeana, NL (GAL). Galeana_6

ATCTTTCTTTTCAAAGTACTATTTGGTTTATTCGGTTCAAGCTAGATTGTACTATGTGTTATTTTATTTCTAAAAAGAAAGGTTTAG
GAGGTTTTTTCTTGAAAAAAAATGAAAACATACGTTGGCAACAACATTTTTATATCCCCTCTTATTCCATAACGATTTCTATGTTA
TAGATCCGAATCTGTTATTCAACTCAAGCCCTTCTTTCGAAAAAATAGAAAAATTACCTAATAGTTTCCGTTTTTTGAATGTAAAAC
GTTCAATTAAGCTATTACATCAACAAAACCTATCTTGTGTATAATACAAGAATTTCTTGTTTTAATTTTCATTGGAAAAACTTTTTTTT

CTGTTTTGATATTTTTGTTTCCACGTGGTGGAAACACTTTTTTGGTTTCAAAGTAACTTTCAAAGAAATAAATCAACAGGTCAATTTT
CAATCAGTCTTTTCTCTATTTCTTTTTTTGGGAAGAAGTCTTTATGTTTTCTCTTTCTTTTTCTAATATAAGAATACCCTCTTCGATTCA
TTCAGAGCTGTTAATTAGACGTTTCAAATTTTCGATTCAAGATGTTTCTTTTTTACATTTTTTAAGTTTTATACTTTTTTCAAAGCAAT
TTAAGTTTGTGAATAATTCTATTATTTTTCCAAAAGGAAGTGTGATTTTTCTGTTTCTTATTAGGGAATATTCTTCTTTCTATTTTCGAA
GATTTTTTCACTCTTCGATGGAAAAGTTGTTTTTCATGAAAAATCATTGTCTTATGGTCTTTTTTTCAGAACAAAAGCATTTTCAACAA
AAATGGAATTTTTTAACCCGAAAACCGAAAAAAAAGACACGATAATATTGCTAAAGGATTTTTTTTTTCACTATATAAGATATGG
GGAAAATTGATTTTGCTGGGAACACTATTCTAGTCAAAAAATGTGAATTTTTTTTTCTTAAATTTTTGGCAAACCTATCTTTTTGT
TTATCGGAACCCTCTAGTTTTTTTTTGAACAAAATTTCCAGTCAAAATATGTTTTTTCTAGCTTATTACTTAGAATATCCAACAACT
CTTTTTTACTCCGACTAAATATCTTAGATTATTTTCTATCTACTGATTTTGTTAGCAGGGAATTAATTTCAAACCTTAGCGCTGTTTT
TGTTATTCAATTTTTATCAAAGAAGGATTATGTGATATAATGGGTAACCCGAAGAGTAAATTAGCATGGCTTAGTTTTACCGACA
ATTCTATTCTTGATAAATATGA

> *Ephedra compacta 1 (psbB)*. Mexico, Arteaga, Coah (ART). Sierra_Art_1

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTTCTTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATTTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGA AAAAGAGGTGTTTAAATGGGTTTACCTTGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta 2 (psbB)*. Mexico, Arteaga, Coah (ART). Sierra_Art_2

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTTCTTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATTTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGA AAAAGAGGTGTTTAAATGGGTTTACCTTGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta 4 (psbB)*. Mexico, Arteaga, Coah (ART). Sierra_Art_4

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTTCTTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATTTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGA AAAAGAGGTGTTTAAATGGGTTTACCTTGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta 5 (psbB)*. Mexico, Arteaga, Coah (ART). Sierra_Art_5

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAAACGAACCTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 6 (psbB). Mexico, Arteaga, Coah (ART). Sierra_Art_6

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAAACGAACCTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 2 (psbB). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_2

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAAACGAACCTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 3 (psbB). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_3

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAAACGAACCTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 4 (psbB). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_4

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA

AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 5 (psbB). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_5

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 6 (psbB). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_6

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 7 (psbB). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_7

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 9 (psbB). Mexico, borderline Coah-Zac (FCZ). Coah_Zac_9

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT

TTCTCTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAGATAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTTAATGGGTTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 1 (psbB). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_1

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
GTAAATTGAAACATAAAAGATAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 2 (psbB). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_2

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
GTAAATTGAAACATAAAAGATAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 3 (psbB). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_3

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
GTAAATTGAAACATAAAAGATAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 4 (psbB). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_4

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
GTAAATTGAAACATAAAAGATAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC

AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCG
TTCAAT

> *Ephedra compacta* 5 (psbB). Mexico, Sierra Mojada, Coah (MOJ). Sierra_Moj_5

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCG
TTCAAT

> *Ephedra compacta* 1 (psbB). Mexico, Real de Catorce SLP (RC). Real_C_1

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTCTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCG
TTCAAT

> *Ephedra compacta* 2 (psbB). Mexico, Real de Catorce SLP (RC). Real_C_2

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTCTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCG
TTCAAT

> *Ephedra compacta* 1 (psbB). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_1

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGA

TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 4 (psbB). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_4

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTCTTTTTATTATCTTTGTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACCTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTATTCTCCTTCTTCTTCTTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 5 (psbB). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_5

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTCTTTTTATTATCTTTGTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACCTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTATTCTCCTTCTTCTTCTTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 6 (psbB). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_6

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTCTTTTTATTATCTTTGTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACCTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTATTCTCCTTCTTCTTCTTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 7 (psbB). Mexico, Rocamontes, Dgo (ROCA). Rocamontes_7

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTGTTTCTTTTTCTTTTTATTATCTTTGTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACCTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTATTCTCCTTCTTCTTCTTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 1. (psbB). Mexico, Cuatro Ciénegas, Coah (CC). Cuatro_Cie_1

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACCTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 2. (psbB). Mexico, Cuatro Ciénegas, Coah (CC). Cuatro_Cie_2

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACCTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
TAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCCA
ACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTATC
GTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
CAAC

> *Ephedra compacta* 4. (psbB). Mexico, Cuatro Ciénegas, Coah (CC). Cuatro_Cie_4

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACCTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 1. (psbB). Mexico, Parras, Coah (PARR). Parras_1

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACCTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTT
TAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCCA
ACCTAAAATTCAGTGTGTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTTACCTTGGTATC
GTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
CAAC

> *Ephedra compacta* 3. (psbB). Mexico, Parras, Coah (PARR). Parras_3

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAAACGAACCTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTAAATTTTT
TAAATTGAAACATAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCCA
ACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTACCTTGGTATC
GTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
CAAC

> *Ephedra compacta* 1. (psbB). Mexico, Parral, Chih (PARRAL). Parral_1

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAAACGAACCTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 2. (psbB). Mexico, Parral, Chih (PARRAL). Parral_2

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAAACGAACCTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTACCTTGGTAT
CGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGGT
TCAAC

> *Ephedra compacta* 1. (psbB). México, Galeana, NL (GAL). Galeana_1

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAATGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAAACGAACCTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTT
GTAAATTGAAACATAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTATTCAACATAGTTTTATAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTGAAAAAGAGGTGTTAATGGGTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTTAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 3. (psbB). México, Galeana, NL (GAL). Galeana_3

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA

AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGA AAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 4. (psbB). México, Galeana, NL (GAL). Galeana_4

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGA AAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 5. (psbB). México, Galeana, NL (GAL). Galeana_5

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGA AAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Ephedra compacta* 6. (psbB). México, Galeana, NL (GAL). Galeana_6

TCATTTACACTATAAGTCAGCCAGTCCAAAACCTTCTTCTTTTGTTCCTTTTTCTTTTTATTATCTTTGTTTTCCGGCTCTTTATCCT
CTCCTGTTTCGTTATCTTTTGCCAAAGTCATAATAGGTGCCTCATGCATTATATTATTCTTAGTTTTTTTTGATCCTAGAACCGGAAA
AGTACATGGGGTCTCATTCTTTTCGTTTAGGCTTAGGTATTGTTGTCTCTTCAAAAAAGTGATTAAATTGAATCTCTTGAGGAGTTCT
ATCATCTTCTTTTCTTGACGGAGGGTTATCTTCACCAAAAAACGAACTTTTGGGATACCAAGGGGCATTTTTTTTAGATCCTTTTTT
TTCTCTTTTTATTCTCCTTCTTCTCTTTCTTTTTGTTTTCCAAATTTTGTAAAGTATTTTTGTTTTGAATGGTACCAATCCTTCAATTTT
GTAAATTGAAACATAAAAAGATAAAAATATTTTTGCTTCTCCTACCGGTGTTTTTATTCAACATAGTTTTATAAAAAGGAAGGATGATCC
AACCTAAAATTCAGTGTGTTTTTATAATGTAAGAAAGTTCAATCTTTTTTTTTTGA AAAAAGAGGTGTTAATGGGTTTACCTTGGTA
TCGTGTGCATACTGTTGTCTTGAATGATCCTGGCCGGTAAATTTCTGTGCATATAATGCATACAGCTTTAGTAGCAGGTTGGGCCGG
TTCAAT

> *Leucophyllum laevigatum* 1. (trnH-psbA) Mexico, San Juan del Rio, Dgo (ATO). L_laevigatumAto1

CGTAATGCTCATAACTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTTCTTTTCAAT
GAGTAGTATTTGTTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTTCTTTCGTTCTGTATGAATTTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT

TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 5. (trnH-psbA) Mexico, San Juan del Rio, Dgo (ATO). L_laevigatumAto5

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 9. (trnH-psbA) Mexico, San Juan del Rio, Dgo (ATO). L_laevigatumAto9

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 13. (trnH-psbA) Mexico, San Juan del Rio, Dgo (ATO). L_laevigatumAto13

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 19. (trnH-psbA) Mexico, San Juan del Rio, Dgo (ATO). L_laevigatumAto19

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) Mexico, Rodeo, Dgo (ROD). L_laevigatumRod1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTATTAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 4. (trnH-psbA) Mexico, Rodeo, Dgo (ROD). L_laevigatumRod4

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTATTAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT

TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 9. (trnH-psbA) Mexico, Rodeo, Dgo (ROD). L_laevigatumRod9

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTATTA AAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 13. (trnH-psbA) Mexico, Rodeo, Dgo (ROD). L_laevigatumRod13

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTATTA AAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 17. (trnH-psbA) Mexico, Rodeo, Dgo (ROD). L_laevigatumRod17

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTTA AAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTTA AAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 2. (trnH-psbA) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar2

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTTA AAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 3. (trnH-psbA) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar3

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTTA AAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT

TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 4. (trnH-psbA) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar4

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 5. (trnH-psbA) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar5

ATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTTTGAAAATAGAATATATAAATATAA
GGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAATGAGTAGTATTTTGTAAAAGGGTTT
TAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTTTTATTTTAAAGATAAGAATATTTTC
ATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATTTGTAAAAAATCAA AATTGAAACAT
CGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTGAATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) Mexico, Santa María del Oro, Dgo (StaMO). L_laevigatumMao1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 3. (trnH-psbA) Mexico, Santa María del Oro, Dgo (StaMO). L_laevigatumMao3

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 5. (trnH-psbA) Mexico, Santa María del Oro, Dgo (StaMO).L_laevigatumMao5

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 7. (trnH-psbA) Mexico, Santa María del Oro, Dgo (StaMO). L_laevigatumMao7

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT

TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 10. (trnH-psbA) Mexico, Santa María del Oro, Dgo (StaMO). L_laevigatumMao10

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) L_laevigatumHpa1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 5. (trnH-psbA) L_laevigatumHpa5

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 11. (trnH-psbA) L_laevigatumHpa11

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 17. (trnH-psbA) L_laevigatumHpa17

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 22. (trnH-psbA) L_laevigatumHpa22

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT

TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 3. (trnH-psbA) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca3

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 6. (trnH-psbA) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca6

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 9. (trnH-psbA) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca9

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 12. (trnH-psbA) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca12

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) L_laevigatumRoc1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTATTAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT

TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 3. (trnH-psbA) L_laevigatumRoc3

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTATTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 5. (trnH-psbA) L_laevigatumRoc5

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTT
TCAATGAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTA
ATCTTTTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAAT
CAATTTGTAAAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGGA
TTGTGAATC

>*Leucophyllum laevigatum* 7. (trnH-psbA) L_laevigatumRoc7

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 9. (trnH-psbA) L_laevigatumRoc9

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) L_laevigatumMaz1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 2. (trnH-psbA) L_laevigatumMaz2

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTATTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCCT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT

TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 3. (trnH-psbA) L_laevigatumMaz3

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTATTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) Mexico, Mapimí, Dgo (MAP). L_laevigatumMap1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 4. (trnH-psbA) Mexico, Mapimí, Dgo (MAP). L_laevigatumMap4

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 5. (trnH-psbA) Mexico, Mapimí, Dgo (MAP). L_laevigatumMap5

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATAAAAATTGAAACATCCTATGATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (trnH-psbA) L_laevigatumBon1

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTTTTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATAAAAATTGAAACATCATATGATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 4. (trnH-psbA) L_laevigatumBon4

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTATTTTCTTTTCAAT
GAGTAGTATTTTATTAAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTTCTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCATAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT

TGTA AAAAATCAA AATTGAAACATCGTATAATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 6. (trnH-psbA) *L_laevigatum*Bon6

CGTAATGCTCATAACTTCCCTCTAGATCTAGCTGCTATTGAAGCTCCAACAAATGGATAAGACTTGGTCTTAGTGTATAGGGGTTTT
TGAAAATAGAATATATAAATATAAGGAGCAATAAACTCTTTCTTGTCTATCAAGAGGGGTTATTGCTCCTTTATTTTCTTTTCAAT
GAGTAGTATTTTGTAAAGGGTTTTAAGGGATTGATTAATGATGGAGTATTTTTTTTCGTTCTGTATGAATTTTTTCTTAATCTT
TTTATTTTAAAGATAAGAATATTTTCAAAAAAAGAAAGAAGATAACTGAAATGATCTAAAGTCAACCTTTTGTCTTACAATCAATT
TGTA AAAAATAAAAATTGAAACATCATATGATTTTAAATAATATAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGTGGATTGTG
AATC

>*Leucophyllum laevigatum* 1. (psbK) Mexico, San Juan del Rio, Dgo (ATO). *L_laevigatum*Ato1

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCCTGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTTTCAAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 9. (psbK) Mexico, San Juan del Rio, Dgo (ATO). *L_laevigatum*Ato9

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCCTGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TTATGGCGACTATCCAAGAATTTTCAAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTTCTCAATTGTTAGGATTTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 13. (psbK) Mexico, San Juan del Rio, Dgo (ATO). *L_laevigatum*Ato13

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCCTGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTTTCAAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 19. (psbK) Mexico, San Juan del Rio, Dgo (ATO). *L_laevigatum*Ato19

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCCTGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTTTCAAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 1. (psbK) Mexico, Rodeo, Dgo (ROD). *L_laevigatum*Rod1

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTT
GACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCCTGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TTATGGCGACTATCCAAGAATTTTCAAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTTATCAATTGTTAGGATTTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 4. (psbK) Mexico, Rodeo, Dgo (ROD). *L_laevigatum*Rod4

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTT
GACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA

ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTTATCTGATTTTATCAATTGTTAGGATTTTTC
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 9. (psbK) Mexico, Rodeo, Dgo (ROD). L_laevigatumRod9

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTT
GACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACCTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTTATCTGATTTTATCAATTGTTAGGATTTTTC
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 13. (psbK) Mexico, Rodeo, Dgo (ROD). L_laevigatumRod13

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTT
GACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACCTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTTATCTGATTTTATCAATTGTTAGGATTTTTC
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 17. (psbK) Mexico, Rodeo, Dgo (ROD). L_laevigatumRod17

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTT
TGACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACCTTCTTTCATATCCAA
AATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGA
TTTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTTATCTGATTTTCTCAATTGTTAGGATTTTTC
CTCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 1. (psbK) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar1

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACCTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTTATCTGATTTTCTCAATTGTTAGGATTTTTC
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 2. (psbK) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar2

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACCTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTTATCTGATTTTCTCAATTGTTAGGATTTTTC
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 3. (psbK) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar3

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACCTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTTATCTGATTTTCTCAATTGTTAGGATTTTTC
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 5. (psbK) Mexico, La Zarca, Dgo (ZAR). L_laevigatumZar5

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACCTTCTTTCATATCCAAA

TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 1. (psbK) Mexico, Santa María del Oro, Dgo (StaMO). *L. laevigatum*Mao1

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 3. (psbK) Mexico, Santa María del Oro, Dgo (StaMO). *L. laevigatum*Mao3

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 5. (psbK) Mexico, Santa María del Oro, Dgo (StaMO). *L. laevigatum*Mao5

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 7. (psbK) Mexico, Santa María del Oro, Dgo (StaMO). *L. laevigatum*Mao7

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 10. (psbK) Mexico, Santa María del Oro, Dgo (StaMO). *L. laevigatum*Mao10

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 1. (psbK) *L. laevigatum*Hpa1

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 5. (psbK) *L. laevigatum*Hpa5

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA

TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 11. (psbK) L_laevigatumHpa11

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 17. (psbK) L_laevigatumHpa17

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 1. (psbK) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca1

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 3. (psbK) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca3

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 6. (psbK) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca6

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 9. (psbK) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca9

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 12. (psbK) Mexico, Trópico de Cáncer, Zac (TCA). L_laevigatumTca12

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA

TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 1. (psbK) *L. laevigatum*Roc1

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 3. (psbK) *L. laevigatum*Roc3

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 5. (psbK) *L. laevigatum*Roc5

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATC

>*Leucophyllum laevigatum* 7. (psbK) *L. laevigatum*Roc7

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCCTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 9. (psbK) *L. laevigatum*Roc9

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCCTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 2. (psbK) *L. laevigatum*Maz2

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTT
GACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCCTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 1. (psbK) Mexico, Mapimí, Dgo (MAP). *L. laevigatum*Map1

GAGTAAGCATTACACAATCTCCAAGATGATTTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTTG
ACACCACCACCACGAAATCAGGTTTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA

TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 2. (psbK) Mexico, Mapimí, Dgo (MAP). L_laevigatumMap2

GAGTAAGCATTACACAATCTCCAAGATGATTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 3. (psbK) Mexico, Mapimí, Dgo (MAP). L_laevigatumMap3

GAGTAAGCATTACACAATCTCCAAGATGATTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 4. (psbK) Mexico, Mapimí, Dgo (MAP). L_laevigatumMap4

GAGTAAGCATTACACAATCTCCAAGATGATTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 5. (psbK) Mexico, Mapimí, Dgo (MAP). L_laevigatumMap5

GAGTAAGCATTACACAATCTCCAAGATGATTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAA
TTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATT
TATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
CGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 1. (psbK) **L_laevigatumBon1**

GAGTAAGCATTACACAATCTCCAAGATGATTTTTGGAAAAAAA-
GAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTGACACCACCACCACGAAATCAGGTTTTTTTCATGAATTGTCACAAA
TTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAAATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGA
AAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGATTTATGGCGACTATACAAGAATTCAGTGTGCTAATCTAGGATTCATA
CTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCTCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCAT
CGAAAACCTACAGCAGCTTGCCAAACA

>*Leucophyllum laevigatum* 4. (psbK) L_laevigatumBon4

GAGTAAGCATTACACAATCTCCAAGATGATTTTTGGAAAAAAAAGAGAATAGATCTTCCATTTTTCTATCACATATCCTATTTTG
ACACCACCACCACGAAATCAGGTTTTTTTCATGAATTGTCACAAATTCATTTGTTTTTCATTATCAAGAACTTCTTTCATATCCAA
ATTCGATATTGTGGGAGACCCTAATAGGGTTAGGGTCTTTCACTGGAAAGGGGGTCAAAAATGAGGACATGGGGGTAAGCCGGAT
TTATGGCGACTATCCAAGAATTCAGTGTGCTAATCTAGGATTCATACTCTAAAACCTATCTGATTTTCTCAATTGTTAGGATTTTTCT
TCGAAGAAATCATGCATTTTCTAAGATATTATTATTAAGGATCTCATCGAAAACCTACAGCAGCTTGCCAAACA