**Supporting Information S1**

**Material and Methods**

**DNA extraction, amplification, and sequencing for the new sequences**

Total DNA was extracted mostly from fresh or silica-gel dried leaflets using an adapted 2 X CTAB procedure of Doyle & Doyle (1987) or by Invitek mini plant kit (Invitek, Berlin, Germany). *Nuclear region*: For amplification of ITS we used the primers 17SE and 26SE and for sequencing the primers ITS4 and ITS92 (Desfeaux et al. 1996). The primers AcR2 - 18S-IGS (Ariati et al. 2006) and ETS dioc3 (Queiroz et al. 2015) were used for amplification and sequencing of ETSs. We performed the amplification using the following reaction: 30 μl PCR mix containing: 3.0 μl of supplied buffer, 1.5 μl of MgCl2 (50 mM), 0.6 μl of dNTPs (10mM, GE Healthcare Life Sciences), 0.3 μl of each primer (15µM), 0.6 of μl BSA (Invitrogen), 6.0 μl of betaine (COMPANY), 1.0 μl DMSO (1%, Merck) and 0.15 μl Taq DNA polymerase (5U/μl, Phoneutria), 15.85 μl H20 (q.s.p.) and 1.0 μl of DNA at 20-40 ng of concentration. *Plastid regions*: for amplification and sequencing of *trnL-F*, we used two universal primers (C, F) of Taberlet et al. (1991). For amplification and sequencing of *trnD-T,* we used the primers and *trnD* (F) and *trnT* (R) (Demesure et al. 1995, Shaw et al. 2005). And, for the plastid *trnK/matK,* the *matK* gene and partial flanking *trnK* introns (Queiroz & Snak 2020). For all plastid regions, we used the Toptaq Master Mix (Qiagen, Dusseldorf, Germany) scaled to 15 μl, containing: 7.5 μl pre-made mix, 0.2 μl of each primer (15µM), 6.6 μl of H2O (Qiagen) and 0.5 μl of DNA at 20-40 ng of concentration. PCR products were purified using enzymatic reactions with Exonuclease I and Shrimp Alkaline Phosphatase enzymes (Affymetrix, USB products, Ohio, U.S.A.) or with PEG 20% (Polyethylene Glycol). The samples were sequenced in both directions using the Spectrumedix SCI SCE9624 automated sequencer at Universidade Estadual de Feira de Santana (UEFS). In some cases the PCR products were sequenced at Macrogen Inc. (Korea) and at the sequencing facility of the Rede de Plataformas Tecnológicas in FIOCRUZ-Bahia (Brazil).

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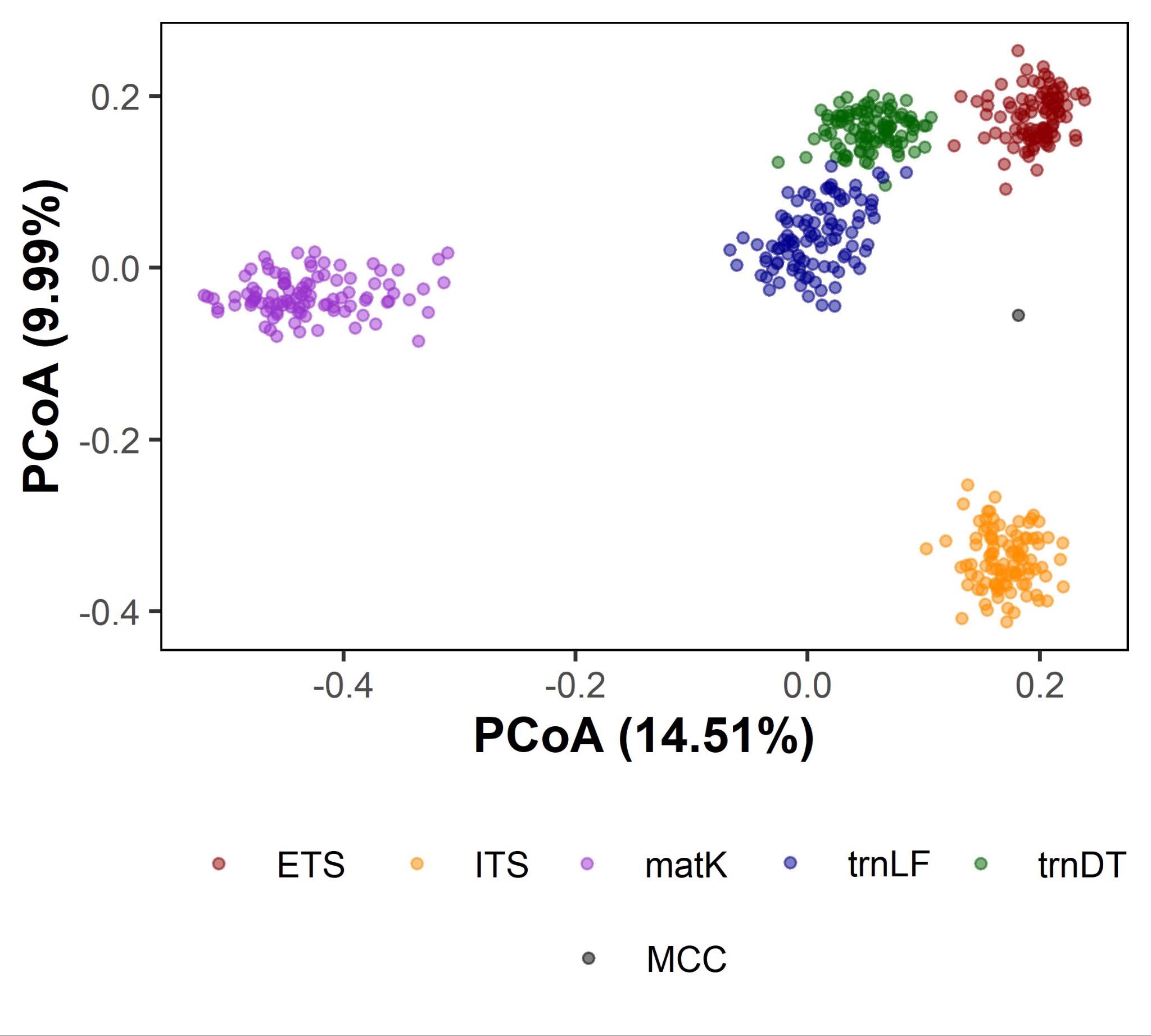
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**Supporting Information, Table S1a.** Number of sequences/species by locus, base pairs and the nucleotide substitution model selected for each region.

| **Region** | **Number of *Chamaecrista* species + Outgroup** | **Number of *Chamaecrista* species** | **Number of sites** | **Model** |
| --- | --- | --- | --- | --- |
| ETS | 182 | 176 | 435 | K80+G(4) |
| ITS | 229 | 291 | 767 | TIM1+G(4)+I |
| *MatK* | 136 | 111 | 1707 | TVM+G(4)+I |
| *TrnD-T* | 190 | 181 | 1350 | TVM+G(4) |
| *TrnL-F* | 220 | 198 | 991 | TPM1u+G(4) |
| Combined | 281 | 231 | 5250 | GTR+G(4)+I |

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**Figure S1a.** Principal Coordinate Analysis (PCoA) on the Robison and Foulds’ distance (1981) among ML bootstrap trees and the Maximum Clade Credibility (MCC) tree

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**Table S1b.** Voucher information and GenBank accession numbers of the sequences included in: Biogeography of Neotropical *Chamaecrista* (Leguminosae-Caesalpinioideae):Disentangling historical processes in open-vegetation domains, Rando et al. **Highlighted in yellow are the 47 sequences that are under submission**

| *Species* and Author | Voucher e Herbarium | ETS GenBank | ITS/5.8S GenBank | trnL-F GenBank | trnD-T GenBank | matK GenBank |
| --- | --- | --- | --- | --- | --- | --- |
| Ingroup (232 species) |  |  |  |  |  |  |
| *Chamaecrista absus* var. *meonandra* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Tellez 4690*, MX | OR704425 | OR743107 | - | OR742489 | OR742423 |
| *Chamaecrista acicularis* M. Cota, Rando & L.P. Queiroz | *Cota 912*, HUEFS | MW557959 | MW558000 | MW558017 | OR742496 | OR742428 |
| *Chamaecrista acosmifolia* (Mart. ex Benth.) H.S.Irwin & Barneby | A.O. *Souza 2089*, UB | MW681829 | MK056255 | - | MW682046 | MK390616 |
| *Chamaecrista adamantina* (H.S.Irwin & Barneby)  H.S.Irwin & Barneby  *= Chamaecrista exsudans* (Benth.) H.S. Irwin & Barneby | *Cota 751*, HUEFS | OR704398 | OR743108 | OR704528 | OR742490 | OR742424 |
| *Chamaecrista adenophora* (Harms) H.S. Irwin & Barneby | *J.M. Rezende 185,* HUEFS | OR704415 | OR743109 | - | OR742491 | OR742425 |
| *Chamaecrista adenophylla* (Taub.) H.S.Irwin & Barneby | *A.O. Souza 2122 (UB)* | MW681832 | MW683372 | - | - | MW681933 |
| *Chamaecrista adiantifolia* (Spruce ex Benth.) H.S. Irwin & Barneby | *Rando 1197* (ITS, trnD-T, trnL-F), HUEFS, *Cardoso 3318* (matK), HUEFS | - | MW075532 | MW075526 | OR742492 | KY045966 |
| *Chamaecrista altoana* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *M.J. Silva et al. 6465,* UFG | - | MH806439 | MH828377 | - | - |
| *Chamaecrista amiciella* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *A.O. Souza 2226*, UB | MW681834 | MW683373 | - | MW682050 | MW681935 |
| *Chamaecrista amorimii* Barneby | *Conceição 795*, HUEFS | KP967071 | FJ009823 | FJ009878 | KP966952 | KU245666 |
| *Chamaecrista anamariae* Conc., L.P. Queiroz & G.P. Lewis | *Conceição 787*, HUEFS | MW557991 | FJ009826 | FJ009881 | OR742493 | OR742426 |
| *Chamaecrista anceps* (Benth.) H.S. Irwin & Barneby | *Cota 410*, DIAM | - | - | KP966898 | KP966953 | - |
| *Chamaecrista andersonii* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *A.O. Souza 2240*, UB | - | MW683374 | MW681936 | MW682051 | - |
| *Chamaecrista andromedea* (Mart. ex Benth.) H.S. Irwin & Barneby | *Rando 1129* (ETS, matK), HUEFS, *Rando 1251* (ITS, trnD-T, trnL-F), HUEFS | OR704420 | OR743110 | OR704436 | OR742494 | XXXXX |
| *Chamaecrista anfracta* M. Cota & Rando | *Cota 720*, SPF | MW557969 | MW557996 | MW558010 | OR742495 | OR742427 |
| *Chamaecrista arboae* Barneby | *A.O. Souza 2197*, UB | MW681836 | MW683376 | - | MW682053 | MW681938 |
| *Chamaecrista aristata* (Benth.) H.S. Irwin & Barneby | *Rando 976,* SPF | KP967072 | KP967070 | KP966899 | KP966954 | KX264352 |
| *Chamaecrista arrojadoana* (Harms) Rando | *Rando 1011,* HUEFS (ETS, ITS, trnL-F, trnD-T),  Conceição 653, HUEFS (matK) | KP967043 | KP967093 | KP966920 | KP966976 | KU245678 |
| *Chamaecrista aspleniifolia* (H.S.Irwin & Barneby) Govaerts | *R.R. Vervloet 1660,* UFG (ETS, trnL-F, trnD-T),  *D.M. Neves* (1818 matK) | MW681837 | - | MW681939 | MW682054 | KY046027 |
| *Chamaecrista auris-zerdae* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *J.A. Oliveira 120*, UFG | - | MW683377 | MW681940 | - | - |
| *Chamaecrista aurivilla* (Mart. ex Benth.) H.S. Irwin & Barneby | *Cota 726*, HUEFS | - | OR743111 | OR704437 | OR742497 | OR742429 |
| *Chamaecrista azulana* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *A.O. Souza 1116*, UFG | MW681838 | MH835355 | MH828378 | MW682055 | - |
| *Chamaecrista bahiae* (H.S. Irwin) H.S. Irwin & Barneby | *Rando 1213*, SPF (ETS, trnL-F, trnD-T), *Cardoso 3483,* HUEFS (ITS, matK) | OR704352 | MW075533 | MW075525 | OR742498 | KX264351 |
| *Chamaecrista barbata* (Nees & Mart.) H.S.Irwin & Barneby | *L.P. Queiroz 14593,* HUEFS (ETS, trnD-T), A.O. Souza 2072, UB ( | XXXX | MK056256 | MK390617 | XXXX | - |
| *Chamaecrista basifolia* (Vogel) H.S. Irwin & Barneby | *Queiroz 14253,* HUEFS (ETS, trnD-T),  A.O. Souza 1018, UFG (trnL-F) | OR704373 | - | MW681942 | OR742501 | - |
| *Chamaecrista belemii* (H.S. Irwin & Barneby) H.S. Irwin & Barneby var. *belemii* | *Queiroz 9151* (ITS, trrnL-F, matK), HUEFS, *Nunes 1110* (ETS, trnD-T), HUEFS | MW557992 | DQ787389 | FJ009880 | OR742502 | KU245675 |
| *Chamaecrista belladonna* M.J. Silva & A.O. Souza | *M.J. Silva 5993*, UFG | - | MH828379 | MH828399 | - | - |
| *Chamaecrista benthamiana* (Harms) H.S. Irwin & Barneby | *Rando 1262*, HUEFS | MW557973 | OR743113 | OR704440 | OR742503 | KX264344 |
| *Chamaecrista biensis* (Steyaert) Lock | *C. Kayombo 668,* MEXU | OR704366 | - | OR704441 | - | OR742430 |
| *Chamaecrista blanchetii* (Benth.) Conc., L.P. Queiroz & G.P. Lewis | *Andrade 607*, HUEFS | MW681842 | FJ009846 | FJ009900 | MW682061 | - |
| *Chamaecrista botryoides* Conc., L.P. Queiroz & G.P. Lewis | *Cota 1112*, HUEFS, (ETS, ITS, trnD-T), *Conceição 541*, HUEFS (trnL-F) | MW557986 | OR743114 | FJ009890 | OR742504 | - |
| *Chamaecrista brachyblepharis* (Harms) H.S. Irwin & Barneby | *M.J. Silva 4472,* UFG | MW681844 | MH835358 | MH828381 | MW682063 | - |
| *Chamaecrista brachyrachis* (Harms) H.S. Irwin & Barneby | *Rando 1272*, HUEFS | MW557980 | OR743115 | OR704443 | - | - |
| *Chamaecrista brachystachya* (Benth.) Conc., L.P. Queiroz & G.P. Lewis | *Conceição 713*, HUEFS | KP967069 | FJ009847 | FJ009901 | KP966955 | KX264338 |
| *Chamaecrista bracteolata* (Vogel) H.S. Irwin & Barneby | *Cota 783*, HUEFS | OR704407 | OR743116 | OR704444 | OR742623 | OR742431 |
| *Chamaecrista brevicalyx* (Benth.) H.S. Irwin & Barneby | *Borba 1945*, HUEFS | MW557994 | OR743117 | OR704445 | OR742505 |  |
| *Chamaecrista bucherae* (Moldenke) H.S. Irwin & Barneby | *Cota 1115*, HUEFS | OR704360 | OR743105 | OR704446 | OR742506 | OR742432 |
| *Chamaecrista burchellii* (Benth.) H.S. Irwin & Barneby | *Rando 1092*, HUEFS | KP967068 | KP967073 | KP966900 | KP966956 | KX264353 |
| *Chamaecrista caespitosa* (Benth.) H.S.Irwin & Barneby | *A.O. Souza 2126*, UB | MW681850 | MW683388 | MW681951 | MW682069 | - |
| *Chamaecrista caiapo (H.S.Irwin & Barneby)* H.S.Irwin & Barneby | *R.C. Sodré 2374*, UFG | MW681851 | MW683389 | MW681952 | MW682070 | - |
| *Chamaecrista calycioides* (DC. ex Collad.) Greene | *Queiroz 11,* HUEFS | - | FJ009863 | FJ009917 | - | - |
| *Chamaecrista campestris* H.S. Irwin & Barneby | *Queiroz 10440*, HUEFS | - | FJ009829 | FJ009883 | OR742507 | - |
| *Chamaecrista campicola* (Harms) H.S. Irwin & Barneby | *A.O. Souza 893* (ITS, trnL-F)*,* UFG, *Pirani 1812* (ETS), HUEFS | OR704387 | MH835362 | MH828385 | XXXXX | - |
| *Chamaecrista cardiostegia* H.S. Irwin & Barneby | *Rando 1125*, SPF | KP967067 | KP967074 | KP966901 | KP966957 | OR742433 |
| *Chamaecrista caribaea* var. *lucayana* (Britton)H.S. Irwin & Barneby | *Rando 963*, SPF | KP967066 | KP967075 | KP966902 | KP966958 | - |
| *Chamaecrista carobinha* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Queiroz 14425*, HUEFS, | OR704427 | OR743120 | OR704449 | - | KU245664 |
| *Chamaecrista caspariifolia* Barneby | *Cota 939* (ETS, trnD-T), HUEFS, *Pastore 3969* (ITS, trnL-F), HUEFS | OR704404 | OR743121 | OR704450 | OR742511 | - |
| *Chamaecrista catapodia* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 346*, DIAM | OR704414 | - | OR704451 | OR742512 | - |
| *Chamaecrista cathartica* (Mart.) H.S. Irwin & Barneby | *Cota 925*, HUEFS (ETS), *Conceição 789*, HUEFS (ITS, trnL-F),  *J.G. Rando 990*, SPF (trnD-T), *Cardoso 2460*, HUEFS (matK) | OR704402 | FJ009841 | FJ009895 | XXXX | XXXXX |
| *Chamaecrista catharticoides* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | Valente 44, HUEFS | XXXXX | - | - | - | XXXXXX |
| *Chamaecrista cavalcantina* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *A.O. Souza 862*, UFG | - | MW683390 | MW681954 | - | - |
| *Chamaecrista celiae* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *T.P. Mendes 284*, UFG | - | MK839190 | MK836324 | - | - |
| *Chamaecrista chaetostegia* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *H.S. Irwin 29729*, NY | - | MW683393 | MW681957 | - | - |
| *Chamaecrista chapadae* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 1059* HUEFS | OR704435 | OR743124 | OR704453 | OR742515 | - |
| *Chamaecrista choriophylla* (Vogel) H.S. Irwin & Barneby | *Rando 1034* (ETS, ITS, trnD-T, trnL-F), HUEFS, *Conceição 733* *(*matK), HUEFS | KP967063 | KP967076 | KP966904 | KP966959 | - |
| *Chamaecrista chrysosepala* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *A.O. Souza 582, UFG* | MW681855 | MW683395 | MW681959 | MW682075 | - |
| *Chamaecrista ciliolata* (Benth.) H.S. Irwin & Barneby var. *ciliolata* | *Rando 1115* (ITS, matK, trnL-F, trnD-T), HUEFS, *Cota* 917 (ETS), HUEFS | MW557984 | MH835364 | MH828387 | OR742516 | KX264332 |
| *Chamaecrista cinerascens* (Vogel) H.S. Irwin & Barneby | *Rando 661*, SPF | KP967062 | KP967077 | KP966960 | KP966905 |  |
| *Chamaecrista claussenii* (Benth.) H.S. Irwin & Barneby | *Rando 1079* (ETS, ITS, trnD-T), Cota 719 (matK), HUEFS, A.O. Souza 979 (trnL-F), UFG | MW557967 | OR743125 | MH828390 | OR742517 | XXXXX |
| *Chamaecrista compitalis* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 1167*, HUEFS |  | OR743126 | OR704456 | OR742519 | OR742437 |
| *Chamaecrista conferta* var. *virgata* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Rando 1064* (ETS, ITS, trnD-T, trnL-F), HUEFS, *Queiroz* *16082* (matK), HUEFS | MW557971 | MW557997 | MW558012 | OR742521 | OR742438 |
| *Chamaecrista confertiformis* (H.S. Irwin & Barneby) Conc., L.P. Queiroz & G.P. Lewis | *Costa 132*, HUEFS | MW557995 | FJ009848 | FJ009902 | - | - |
| *Chamaecrista coradinii* H.S. Irwin & Barneby | *T.S. Silva 116* (ETS), BRBA, *Queiroz 14427* (ITS, trnD-T, trnL-F)*,* HUEFS | OR704399 | OR743128 | OR704457 | OR742522 | - |
| *Chamaecrista coriacea (*Bong. ex Benth.) H.S. Irwin & Barneby | *Conceição 869*, HUEFS | - | FJ009843 | FJ009897 | - | - |
| *Chamaecrista cotinifolia* var. *leptodictya* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Rando 1243* (ITS, trnD-T), SPF, Rando 1005 (trnL-F), HUEFS | XXXXX | OR743129 | OR704458 | XXXXX | - |
| *Chamaecrista crenulata* (Benth.) H.S.Irwin & Barneby | *T.P Mendes et al. 42*, UFG | - | MK839196 | MK836330 | - | - |
| *Chamaecrista cristalinae* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *A.O. Souza 1459*, UFG | MW681866 | MW683401 | MW681965 | MW682086 | - |
| *Chamaecrista crommyotricha* (Harms) H.S.Irwin & Barneby | *A.O. Souza 1183 (UFG)* | MW681867 | MW683402 | MW681966 | MW682087 | - |
| *Chamaecrista cultrifolia* Britton & Rose ex Britton & Killip | *N.F.O. Mota 2161 (HUEFS)* | KP999796 | KR134033 | - | - | - |
| *Chamaecrista cytisoides* (DC. ex Collad.) H.S. Irwin & Barneby | *Conceição 870*, HUEFS | - | FJ009844 | FJ009898 | OR742524 | - |
| *Chamaecrista dalbergiifolia* (Benth.) H.S. Irwin & Barneby | *Queiroz 14280* (ETS), HUEFS, *Queiroz 10318* (ITS, trnD-T, trnL-F, matK), HUEFS | OR704376 | FJ009837 | FJ009891 | OR742525 | KU245669 |
| *Chamaecrista dawsonii* (R.S. Cowan) H.S. Irwin & Barneby | *M.J. Silva 4474,* UFG | - | MH835369 | MH828392 | - | - |
| *Chamaecrista debilis* (Vogel) H.S. Irwin & Barneby | *Santos 624*, HUEFS | OR704359 | OR743130 | OR704460 | OR742526 | OR742440 |
| *Chamaecrista decora* (H.S. Irwin & Barneby) Conc., L.P. Queiroz & G.P. Lewis | *Cota 341* (ETS), DIAM, *Conceição 810* (ITS, trnD-T, trnL-F), HUEFS, *Conceição 828* (matK), HUEFS | OR704361 | FJ009849 | FJ009903 | OR742527 | KX264354 |
| *Chamaecrista decumbens* (Benth.) H.S. Irwin & Barneby | *Borges 1000*, SPF | MW557981 | OR743131 | OR704461 | OR742528 | - |
| *Chamaecrista densifolia* (Benth.) H.S. Irwin & Barneby | *Cota 898* (ETS, trnD-T, matK) HUEFS,  A.O. Souza 1159 (ITS, trnL-F) UFG | MW557979 | MH835371 | MH828394 | OR742529 | OR742441 |
| *Chamaecrista dentata* (Vogel) H.S. Irwin & Barneby | *Nascimento 518* (trnL-F, trnD-T)*,* HUEFS  R.G. Chacon 569 (ITS) UEC | - | MW683403 | OR704463 | OR742530 | - |
| *Chamaecrista depauperata* Conc., L.P. Queiroz & G.P. Lewis | *Conceição 863,* HUEFS | - | FJ009850 | FJ009904 | - | - |
| *Chamaecrista desvauxii* (Collad.) Killip var. *desvauxii* | *Queiroz 10453* (ITS, trnD-T, trnL-F), HUEFS, *Barbosa 793* (ETS, matK), HUEFS | KP999776 | FJ009864 | FJ009918 | OR742531 | KX264340 |
| *Chamaecrista setosa* var. *detonsa* (Benth.) H.S. Irwin & Barneby | *L.M. Borges* (ETS)*, SPF, Souza 405* (ITS, trnL-F), *UFG, Queiroz 10460* (trnD-T, matK), HUEFS | MW557983 | MH835394 | MH828417 | KP966998 | KU245668 |
| *Chamaecrista didyma* H.S.Irwin & Barneby | *J. H. Kirkbride Jr. 2906*, NY | MW681871 | MW683405 | MW681970 | MW682091 | - |
| *Chamaecrista diphylla* (L.) Greene | *Barbosa 1122* (ETS), HUEFS, *Queiroz 10269* (ITS, trnD-T, trnL-F), HUEFS, *Queiroz 15909* (matK), HUEFS | OR704370 | FJ009868 | FJ009922 | OR742533 | KX264339 |
| *Chamaecrista distichoclada* (Mart. ex Benth.) H.S. Irwin & Barneby | *Rando 1230*, HUEFS | KP967060 | KP967078 | KP966961 | KP966906 | - |
| *Chamaecrista duartei* (H.S. Irwin) H.S. Irwin & Barneby | *Cota 1164* (ETS, ITS, trnD-T, trnL-F), HUEFS, *Neves 1689* (matK) | OR704356 | OR743133 | OR704466 | OR742534 | KY118271 |
| *Chamaecrista duckeana* (P.Bezerra & Afr.Fern.) H.S.Irwin & Barneby | *A. Fernandes s/n*, NY | MW681872 | MW683406 | MW681971 | MW682092 | - |
| *Chamaecrista dumalis* (Hoehne) H.S.Irwin & Barneby | *A.O. Souza 1650*, UFG | MW681873 | MW683407 | MW681972 | MW682093 | - |
| *Chamaecrista echinocarpa* (Benth.) H.S. Irwin & Barneby | *Cota 327*, HUEFS | OR704413 | OR743134 | OR704467 | OR742535 | - |
| *Chamaecrista egleri* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *W.R. Anderson 11071 (NY)* | - | MW683409 | MW681974 | MW682094 | - |
| *Chamaecrista elata* A.O. Souza & M.J. Silva | *M.J. Silva 6187*, UFG | MW681874 | MH835372 | MH828395 | - | - |
| *Chamaecrista ensiformis* var. *plurifoliolata* (Hoehne) H.S.Irwin & Barneby | *LP Queiroz 13879*, HUEFS | XXXX | MW075534 | MW075530 | XXXX | XXXXX |
| *Chamaecrista ericifolia* (Benth.) H.S. Irwin & Barneby | *Cota 723,* SPF | MW557963 | MW558001 | MW558013 | OR742538 | OR742444 |
| *Chamaecrista fasciculata* (Michx.) Greene | *USDA, DLEG920271* (ITS)*, B. Mattos 555,* MONT (matK) | - | EF590760 | - | - | AY386955 |
| *Chamaecrista feliciana* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *A.O. Souza 1500*, UFG (ETS),  *Queiroz 15162,* HUEFS (ITS, trnL-F) | MW681878 | OR743137 | OR704473 |  |  |
| *Chamaecrista filicifolia* (Mart. ex Benth.) H.S. Irwin & Barneby | *Rando 1099* (ETS, ITS, matK, trnD-T), HUEFS, *Rando 1267* (trnL-F), SPF | MW557976 | OR743138 | OR704474 | OR742541 | KX264345 |
| *Chamaecrista flammata* M. Cota | *Cota 766,* SPF | OR704417 | OR743139 | OR704475 | - | OR742447 |
| *Chamaecrista flexuosa* (L.) Greene | *Barbosa 1145* (ETS, matK, trnD-T), HUEFS, *Giulietti 2344* (ITS, trnL-F), HUEFS | KP967059 | FJ009858 | FJ009912 | KP966962 | KX264357 |
| *Chamaecrista floribunda* M.J. Silva & A.O. Souza | *Sodri 5368* (ETS, trnD-T), HUEFS, *A.O. Souza 1288* (ITS, trnL-F), UFG | MW557975 | MH835376 | MH828399 | OR742542 | - |
| *Chamaecrista fodinarum* H.S.Irwin & Barneby | *Cota 1000,*  HUEFS | - | - | - | - | XXXXXX |
| *Chamaecrista foederalis* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 902,* HUEFS | OR704385 | - | - | OR742543 | XXXXXX |
| *Chamaecrista geminata (Benth.) H.S.Irwin & Barneby* | *G.P. Silva 1648*, CEN | XXXXX | MW683418 | MW681983 | MW682102 | - |
| *Chamaecrista glandulosa* var. *parralensis* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Rzedowski 52396*, MEXU | - | - | - | OR742544 | OR742448 |
| *Chamaecrista glaucofilix* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Conceição 861*, HUEFS | MW557985 | FJ009834 | FJ009888 | OR742545 | KX264346 |
| *Chamaecrista glaziovii* (Taub. ex Harms) H.S. Irwin & Barneby | *Cota 328,* DIAM | OR704408 | OR743140 | - | OR742546 | - |
| *Chamaecrista gonoclada* (Benth.) H.S.Irwin & Barneby | *G.G. Hatschbach 58737*, NY | MW681883 | MW683420 | MW681985 | MW682104 | - |
| [*Chamaecrista grantii*](https://www.ipni.org/n/485828-1) Standl. | *Hohbein B10-K1267* | - | KR734123 | KR738334 | - | - |
| *Chamaecrista greggi* (A. Gray) Pollard ex A. Heller | Perez 4762, MEXU | - | - | - | OR742547 | OR742449 |
| *Chamaecrista gumminans* H.S. Irwin & Barneby | *Rando 1246*, HUEFS | OR704419 | OR743141 | OR704476 | OR742548 | - |
| *Chamaecrista gymnothyrsa* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *R.C. Sodre 1330,* UFG | - | MH835378 | MH828401 | - | - |
| *Chamaecrista harmsiana* H.S.Irwin & Barneby | *R.G. Matos 430,* UFG | - | MW683422 | MW681987 | - | - |
| *Chamaecrista hedysaroides* (Vogel) H.S. Irwin & Barneby | *Cota 754,* HUEFS | MW557958 | MW558003 | MW558008 | OR742549 | OR742450 |
| *Chamaecrista hispidula* (Vahl.) H.S. Irwin & Barnebyvar. *hispidula* | *Barbosa s.n.* (ETS, trnD-T), HUEFS, *Conceição 914* (ITS, matK, trnL-F)*,* HUEFS | OR704424 | FJ009833 | FJ009887 | OR742550 | KU245672 |
| *Chamaecrista howardii* M. Cota & Rando | *Cota 800,* SPF | OR704393 | OR743142 | OR704477 | OR742551 | OR742451 |
| *Chamaecrista huntii* var. *correntina* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *R.G. Matos 75,* UFG | - | MW683424 | MW681989 | - | - |
| *Chamaecrista imbricans* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Rando 1261*, HUEFS | OR704389 | OR743143 | OR704478 | OR742552 | - |
| *Chamaecrista incurvata* (Benth.) H.S. Irwin & Barneby | *Cota 727*, (ETS, trnD-T, matK), HUEFS. *E.P. Heringer 7536* (ITS), NY. *R. Romero 8578* trnL-F), HUFU | OR704409 | MW683426 | OR704479 | OR742553 | OR742452 |
| *Chamaecrista irwiniana* A.O. Souza & M.J. Silva | *A.O. Souza 605*, UFG | MW681886 | MH835380 | MH828403 | - | - |
| *Chamaecrista isidorea* (Benth.) H.S. Irwin & Barneby | *M.J. Silva 6059,* UFG | - | MH835363 | MH828386 | - | - |
| *Chamaecrista jacobinea* (Benth.) H.S. Irwin & Barneby | *Andrade 610*, HUEFS | - | FJ009827 | FJ009882 | OR742555 | KU245674 |
| *Chamaecrista juruenensis* (Hoehne) H.S. Irwin & Barneby | *Cota 1040*, HUEFS | OR704429 | - | - | OR742557 | OR742454 |
| *Chamaecrista kirkii* Standl. | *Carvalho 2403*, NY | - | MW683429 | - | MW681994 | - |
| *Chamaecrista kleinii* (Wight & Arn.) K.M.Matthew | *RRCBI-MUS132A (MUS)* | - | KJ605907 | - | - | KJ638455 |
| *Chamaecrista kunthiana* (Schltdl. & Cham.) H.S. Irwin & Barneby | *Queiroz 14117* (ITS, trnD-T, trnL-F), HUEFS, *Barrios 109* (matK), MEXU | - | OR743144 | OR704482 | OR742558 | OR742455 |
| *Chamaecrista lagotois* H.S. Irwin & Barneby | *Rando 1029*, HUEFS | KP967058 | KP967079 | KP966963 | KP966907 | KX264358 |
| *Chamaecrista lamprosperma* (Mart. ex Benth.) H.S. Irwin & Barneby | *Cota 777* (ETS, matK, trnD-T, trnL-F), HUEFS, *Cota 352* (ITS), DIAM | OR704405 | OR743145 | OR704483 | OR742559 | OR742456 |
| *Chamaecrista latifolia* (Benth.) Rando | *Rando 1024*, HUEFS | KP967056 | KP967081 | KP966909 | KP966964 |  |
| *Chamaecrista latistipula = Chamaecrista desvauxii* var. *latistipula* (Benth.) G.P. Lewis | *Conceição 912*, HUEFS | KP967061 | FJ009867 | FJ009921 | KP967008 | XXXXXX |
| *Chamaecrista lavradiiflora* (Harms) H.S.Irwin & Barneby | *A.O. Souza 927*, UFG | MW681890 | MW683431 | MW681998 | MW682112 | - |
| *Chamaecrista leptadenia* Cockerell | *Leon 4282* | - | - | - | - | XXXXX |
| *Chamaecrista linearifolia* var. *bradei* (Ekman ex Harms) H.S. Irwin & Barneby | *R. Romero 3833*, HUEFS | OR704406 | - | - | OR742560 | - |
| *Chamaecrista lineata* (Sw.) Greene | *Rando 958*, SPF | OR704367 | KP967085 | KP966967 | KP966912 | OR742457 |
| *Chamaecrista longicuspis* (Benth.) H.S.Irwin & Barneby | *Rando 1270,* SPF | XXXXX | XXXXXX | - | - | - |
| *Chamaecrista longistyla* A.O.Souza & M.J.Silva | *D. Sasaki 1605, UFG* | - | MK056259 | MK390620 | - | - |
| *Chamaecrista lundii* (Benth.) H.S. Irwin & Barneby | *Rando 1263,* HUEFS | OR704381 | OR743146 | OR704484 | OR742561 | - |
| *Chamaecrista macedoi* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *M.J. Silva 6073,* UFG | - | MH835381 | MH828404 | - | - |
| *Chamaecrista machaeriifolia* (Benth.) H.S. Irwin & Barneby | *Queiroz LP 14357,* HUEFS | - | OR743147 | OR704485 | - | - |
| *Chamaecrista megacycla* (H.S. Irwin & Barneby) H.S. Irwin & Barneby *= Chamaecrista cyclophylla* (H.S. Irwin & Barneby) Mendes & Silva | *Cota 858,* HUEFS | OR704378 | - | - | - | OR742436 |
| *Chamaecrista microsenna* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 936*, HUEFS | OR704379 | - | - | OR742562 | OR742458 |
| *Chamaecrista mimosoides* (L.) Greene | *Rando 1275*, SPF | OR704364 | OR743148 | OR704487 | OR742563 | OR742459 |
| *Chamaecrista mollicaulis* (Harms) H.S. Irwin & Barneby | *Rando 1268*, HUEFS | MW557974 | OR743149 | OR704488 | OR742564 | XXXXX |
| *Chamaecrista monticola* (Mart. ex Benth.) H.S. Irwin & Barneby | *Rando 1227*, HUEFS | OR704410 | OR743150 | OR704489 | OR742565 | - |
| *Chamaecrista mucronata* (Spreng.) H.S. Irwin & Barneby | *Rando 879* (ETS, ITS, trnD-T, trnL-F), SPF, *Conceição 653* (matK), HUEFS | KP967050 | KP967086 | KP966913 | KP966968 | KU245678 |
| *Chamaecrista multinervia* (Mart. ex Benth.) H.S. Irwin & Barneby | Cota 682, SPF | OR704362 | - | OR704490 | OR742566 | OR742460 |
| *Chamaecrista multipennis* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Rando 1130*, SPF | MW557962 | OR743151 | OR704491 | OR742567 | - |
| *Chamaecrista multiseta* (Benth.) H.S. Irwin & Barneby | *Cota 821*, (ETS, trnD-T, matK), SPF.  A.O. Souza 1300 (ITS, trnL-F), UFG | MW557957 | MH835384 | MH828407 | OR742568 | OR742461 |
| *Chamaecrista myrophenges* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Rando 1228*, SPF | OR704418 | OR743152 | OR704493 | OR742569 | - |
| *Chamaecrista nanodes* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *A.O. Souza 1763,* UFG | MW681895 | MH835385 | MH828408 | MW682119 | - |
| *Chamaecrista neesiana* (Mart. ex Benth.) H.S. Irwin & Barneby var. *neesiana* | *Rando 1273* (ETS), SPF.  *Rando 1033* (ITS), SPF, *Rando 1049* (trnD-T, trnL-F), SPF | XXXX | OR743154 | OR704495 | OR742572 | - |
| *Chamaecrista negrensis* (H.S. Irwin) H.S. Irwin & Barneby | *Cardoso 3395* (ETS, ITS, trnD-T, trnL-F), HUEFS, *Neves 2009* (matK) | OR704353 | MW075535 | MW075528 | OR742574 | KY046031 |
| *Chamaecrista nictitans* subsp. *disadena* (Steud.) H.S. Irwin & Barneby var. *disadena* | *Conceição 790*, HUEFS | - | FJ009852 | FJ009906 | - | KU245679 |
| *Chamaecrista nigricans* Standl. | LUH:5131 | - | KX057848 | KX268163 | - | - |
| *Chamaecrista nuda* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 924*, HUEFS | OR704401 | - | - | OR742576 | OR742463 |
| *Chamaecrista nummulariifolia* (Benth.) H.S. Irwin & Barneby | *Cota 765*, (ETS, trnD-T, matK), HUEFS. *A.O. Souza 790* (ITS, trnL-F), UFG. | MW557988 | MH835387 | MH828410 | OR742577 | OR742464 |
| *Chamaecrista obolaria* (H.S. Irwin & Barneby) A.O. Silva & M.J. Silva | *A.O. Souza 864,* UFG | MW681898 | MH835388 | MH828411 | MW682122 | - |
| *Chamaecrista obtecta* (Benth.) H.S. Irwin & Barneby | *J.A. Oliveira 60* (ITS), UFG*. Queiroz 10290* (trnL-F, trnD-T) HUEFS | - | MW683443 | OR704499 | OR742578 | - |
| *Chamaecrista ochnacea* var. *latifolia* (Benth.) H.S. Irwin & Barneby | *Rando 1016*, HUEFS | MW557965 | MW558004 | MW558016 | OR742579 | - |
| *Chamaecrista ochrosperma* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Simon 3035,* CEN | OR704400 | OR743156 | OR704500 | OR742581 | - |
| *Chamaecrista olesiphylla* (Vogel) H.S. Irwin & Barneby | *Rando 1147*, SPF. *Van den Berg 1350* (matK), HUEFS | KP967047 | KP967089 | KP966916 | KP966972 | XXXXXX |
| *Chamaecrista oligandra* M.J.Silva & A.O.Souza | *M.J. Silva 8131*, UFG | MW681899 | MK228886 | MK224843 | MW682123 | - |
| *Chamaecrista oligosperma* (Mart. ex Benth.) H.S.Irwin & Barneby | *Cota 1038,* HUEFS | XXXXX | - | - | XXXXXX | XXXXX |
| *Chamaecrista onusta* H.S. Irwin & Barneby | *Cota 1160* (ETS, trnD-T), HUEFS, *Conceição 800* (ITS, matK, trnL-F), HUEFS | OR704357 | FJ009824 | FJ009879 | OR742582 | KU245667 |
| *Chamaecrista oppositifolia* A.O.Souza, R.G.Matos & M.J.Silva | *Cota 1074*, HUEFS | XXXX | - | - | XXXXX | XXXX |
| *Chamaecrista orbiculata* (Benth.) H.S. Irwin & Barneby | *Cota 831* (ETS, trnL-F, matK), *Rando 1101* (ITS, trnD-T), HUEFS | OR704382 | OR743157 | OR704501 | OR742583 | OR742466 |
| *Chamaecrista pachyclada* (Harms) H.S. Irwin & Barneby | *A.O. Souza 557,* UFG | - | MH835389 | MH828412 | - | - |
| *Chamaecrista paniculata* (Benth.) H.S. Irwin & Barneby | *Borges 769*, SPF | OR704391 | OR743158 | OR704502 | OR742585 | - |
| *Chamaecrista paraunana* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *A.O. Souza 2115*, UB | MW681903 | MK056261 | MK390622 | MW682127 | - |
| *Chamaecrista parvistipula* (Benth.) H.S.Irwin & Barneby | *A.O. Souza 183*, UFG | MW681904 | MK228887 | MK224844 | MW682128 | - |
| *Chamaecrista pascuorum* (Mart. ex Benth.) H.S. Irwin & Barneby | *Queiroz 9169,* HUEFS | OR704363 | FJ009851 | FJ009905 | KP966979 | KU245680 |
| *Chamaecrista petiolata* M. Cota & Rando | *Cota 820*, HUEFS | OR704411 | - | OR704503 | OR742586 | OR742467 |
| *Chamaecrista philippi* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 1098* (ETS, trnD-T)*,*  *Giulietti 2245,* (ITS, trnL-F),HUEFS | MW557982 | FJ009838 | FJ009892 | XXXXXX | - |
| *Chamaecrista phyllostachya* (Benth.) H.S. Irwin & Barneby | *A.O. Souza 2110,* (ITS, trnL-F), UB.  *Cota 985* (trnD-T, matK), HUEFS | - | MW683450 | MW682017 | OR742587 | OR742468 |
| *Chamaecrista pilosa* (L.) Greene | *Queiroz 10221*, HUEFS | OR704371 | FJ009856 | FJ009910 | OR742588 | KU245682 |
| *Chamaecrista planaltoana* (Harms) H.S. Irwin & Barneby | *Rando1258b* (ETS, ITS, trnD-T, trnL-F), SPF, *Rando 1260* (matK), SPF | MW557989 | OR743159 | OR704505 | OR742589 | KX264347 |
| *Chamaecrista planifolia* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 934* (ETS), HUEFS, *Rando 1124* (ITS, trnL-F), SPF | OR704416 | OR743160 | OR704506 | OR742590 | - |
| *Chamaecrista pohliana* (Benth.) H.S. Irwin & Barneby | *Rando 1259*, SPF | OR704374 | - | OR704507 | OR742591 | - |
| *Chamaecrista polita* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | Cota 906, HUEFS | MW557977 | OR743161 | OR704508 | OR742592 | - |
| *Chamaecrista polymorpha* (Harms) H.S.Irwin & Barneby | R.G. Matos 1 (UFG) | MW681907 | MW683453 | MW682020 | MW682131 | - |
| *Chamaecrista polystachya* (Benth.) H.S.Irwin & Barneby | *Cardoso 2859* (ITS), *Rando 1150* (trnL-F, trnD-T, matK), HUEFS. | - | XXXXXX | XXXXXX | XXXXXX | XXXXXX |
| *Chamaecrista potentilla* (Mart. ex Benth.) H.S. Irwin & Barneby | *Rando 1139*, HUEFS | KP967038 | KP967096 | KP966923 | KP966980 | KX264356 |
| *Chamaecrista pumila* (Lam.) K.Larsen | *LSC125* (ITS)*, SUP368-D41* (trnL-F) | - | MH768080 | KU551117 | - | - |
| *Chamaecrista punctata* (Vogel) H.S.Irwin & Barneby | *Elias Setal 31* (ETS)*,*  *Kinupp 248* (trnD-T) | XXXXX | - | - | XXXXX | - |
| *Chamaecrista punctulata* (Hook. & Arn.) H.S. Irwin & Barneby | J.C. Soto 12356 (ETS, ITS, matK), MEXU. *S. Zamudio 11764* (trnL-F, trnD-T) (XAL) | OR704431 | OR743162 | MW682022 | MW682132 | OR742469 |
| *Chamaecrista punctulifera* (Harms) H.S.Irwin & Barneby | Cota 1086, HUEFS | XXXXX | - | - | XXXXXX | - |
| *Chamaecrista ramosa* (Vogel) H.S. Irwin & Barneby | *Cota 336* (ITS, trnL-F, trnD-T) DIAM. *Barbosa 762* (matK) HUEFS | - | OR743163 | OR704509 | OR742593 | KX264340 |
| *Chamaecrista repens* (Vogel) H.S. Irwin & Barneby | *Carvalho 48* (ETS), HUEFS, *Giulietti 2325* (ITS, trnD-T, trnL-F), HUEFS | KP967036 | KP967098 | KP966925 | KP966982 | - |
| *Chamaecrista roncadorensis* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Queiroz 10279,* HUEFS | - | OR743165 | OR704511 | OR742595 | KX264350 |
| *Chamaecrista roraimae* (Benth.) Gleason | *Rando 1154*, SPF | KP967033 | KP967099 | KP966927 | KP966983 | KX264336 |
| *Chamaecrista rossicorum* (H.S. Irwin & Barneby) Rando | *Rando 1045*, SPF | KP967029 | KP967101 | KP966931 | KP966988 | - |
| *Chamaecrista rotundata* var. *interstes* H.S. Irwin & Barneby | *Rando 925* (ETS, ITS, trnD-T, trnL-F), SPF, *Borges 632* (matK), SPF | KP967028 | KP967104 | KP966934 | KP966991 | - |
| *Chamaecrista rotundifolia* var. *grandiflora* (Benth.) H.S. Irwin & Barneby | *Cota 1095* (ETS), HUEFS, *Costa 128* (ITS, trnD-T, trnL-F), HUEFS | OR704372 | FJ009857 | FJ009911 | OR742596 |  |
| *Chamaecrista rufa* (M. Martens & Galeotti) Britton & Rosevar. *rufa* | *Olazo 1261,* MEXU | - | - | - | OR742597 | OR742470 |
| *Chamaecrista rupertiana* M. Cota & Rando | *Cota 753,* SPF | OR704412 | OR743166 | - | OR742598 | OR742471 |
| *Chamaecrista rupestrium* H.S. Irwin & Barneby | *Santos 390* (ITS, matK, trnL-F), HUEFS, *Rando 1255* (trnD-T), HUEFS | - | FJ009835 | FJ009889 | OR742599 | KX264348 |
| *Chamaecrista salvatoris* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *A. Quaresma 10 (ETS, matK)* ALCB. *W. Santana 12181* (ITS), BHCB. | OR704423 | MW683458 | - | - | OR742472 |
| *Chamaecrista scabra* (Pohl ex Benth.) H.S. Irwin & Barneby | *Rando 1266*, HUEFS | MW557964 | OR743167 | OR704514 | OR742600 | - |
| *Chamaecrista scleroxylon* (Ducke) H.S. Irwin & Barneby | *Rando 1205* (ETS, ITS, matK, trnD-T), SPF, *Rando 1212* (trnL-F), SPF | OR704355 | OR743168 | OR704515 | OR742601 | KX264333 |
| *Chamaecrista secunda* (Benth.) H.S.Irwin & Barneby | *A.O. Souza 1449 (UFG)* | - | MW683459 | - | MW682026 | - |
| *Chamaecrista serpens* (L.) Greene | *Queiroz 10041,* HUEFS | *XXXXXXX* | - | MW075524 | KU245681 | - |
| *Chamaecrista setosa* (Vogel) H.S. Irwin & Barneby | *Queiroz 10460,* HUEFS | - | FJ009842 | FJ009896 | KP966998 | KU245668 |
| *Chamaecrista simplifacta* H.S. Irwin & Barneby | *Rando 1148* (ETS, ITS, trnD-T, trnL-F), SPF, *Rando 802* (matK), SPF | KP967018 | KP967110 | KP966943 | KP967000 | XXXXX |
| *Chamaecrista sincorana* (Harms) H.S. Irwin & Barneby | *Cota 1042* (ETS, trnD-T, matK), HUEFS*, A.O. Souza 1246* (ITS, trnL-F), UFG | MW557987 | MH835395 | MH828418 | OR742604 | OR742474 |
| *Chamaecrista sophoroides* (Mart. ex Benth.) H.S. Irwin & Barneby | *Cota 842*, HUEFS, | OR704395 | - | - | OR742605 | OR742475 |
| *Chamaecrista souzana* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *A.O Souza 2105*, UB | MW681913 | MW683463 | MW682030 | MW682140 | - |
| *Chamaecrista sparsifolia* A.O. Souza & M.J. Silva | *A.O. Souza 1050,* UFG | - | MH835396 | MH828419 | - | - |
| *Chamaecrista speciosa* Conc., L.P. Queiroz & G.P. Lewis | *A. Conceição 546*, HUEFS | - | FJ009839 | FJ009893 | - | KU245671 |
| *Chamaecrista spodiotricha* M. Cota & Rando | *Cota 757*, SPF | OR704390 | OR743171 | OR704519 | OR742606 | OR742476 |
| *Chamaecrista stillifera* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 995* (ETS, matK)*,* HUEFS, *Borges 645* (ITS, trnD-T, trnL-F), HUEFS | XXXXX | OR743172 | OR704520 | OR742607 | OR742477 |
| *Chamaecrista strictifolia* (Benth.) H.S. Irwin & Barneby | *Cota 839*, HUEFS | MW557968 | MW557999 | MW558009 | OR742608 | OR742478 |
| *Chamaecrista strictula* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *A.O. Souza 1325*,(ETS, matK, trnD-T), HUEFS*, A.O. Souza 1324*,(ITS, trnL-F), UFG | MW557978 | MH835397 | MH828420 | OR742609 | OR742479 |
| *Chamaecrista\_supplex* (Mart. ex Benth.) Britton & Rose ex Britton & Killip | *Rando 1271*, HUEFS | OR704368 | OR743173 | OR704521 | OR742610 | - |
| *Chamaecrista swainsonii* (Benth.) H.S. Irwin & Barneby | *Queiroz 12314*, HUEFS | KP967016 | KP967111 | KP966944 | KP967001 | - |
| *Chamaecrista tenuicaulis* A.O. Souza & M.J. Silva | *A.O. Souza 1256,* UFG, | - | MH835398 | MH828421 | - | - |
| *Chamaecrista tenuisepala* (Benth.) H.S.Irwin & Barneby | *A.O. Souza 2221, UB* | MW681917 | MW683469 | MW682036 | MW682144 | - |
| *Chamaecrista tephrosiifolia* (Benth.) H.S.Irwin & Barneby | *Cota 991*,  HUEFS | XXXXXX | - | - | XXXXXX | XXXXX |
| *Chamaecrista tocantinensis* T.P.Mendes & M.J.Silva | *T.P. Mendes 312* | XXXXXX | MK839204 | MK836338 | - | - |
| *Chamaecrista tragacanthoides* var. *tragacanthoides* H.S. Irwin & Barneby | *Pirani 6334* (ETS, ITS, trnD-T, trnL-F), SPF, *Cota 734* (matK), HUEFS | KP967013 | KP967114 | KP966948 | KP967004 | OR742480 |
| *Chamaecrista trichopoda* Britton & Rose ex Britton & Killip | *M. Aparecida 636*, EAC | MW681919 | GU175318 | MW682038 | GU175333 | - |
| *Chamaecrista ulmea* H.S. Irwin & Barneby | *Santos 650*, SPF | KP967012 | KP967115 | KP966949 | KP967005 | - |
| *Chamaecrista unijuga* (Benth.) Conc., L.P. Queiroz & G.P. Lewis | Conceição 694, HUEFS | - | FJ009845 | FJ009899 | - | - |
| *Chamaecrista urophyllidia* (H.S. Irwin & Barneby) H.S. Irwin & Barneby | *Cota 993*, HUEFS | OR704383 | OR743174 | OR704522 | OR742611 | OR742481 |
| *Chamaecrista ursina* (Mart. ex Benth.) H.S. Irwin & Barneby | *Cota 745* (ETS, matK) HUEFS, *Cota 330* (ITS, trnD-T, trnL-F) DIAM | OR704397 | OR743175 | OR704523 | OR742612 | OR742482 |
| *Chamaecrista ustulata* (H.S.Irwin & Barneby) T.P.Mendes & M.J.Silva = *C. orbiculata* in FBO | *Cota 736* (ETS, trnD-T, matK), HUEFS. T.P. Mendes 290 (ITS, trnL-F), UFG | XXXX | MK839200 | MK836334 | XXXXX | OR742465 |
| *Chamaecrista vauthieri* (Benth.) H.S. Irwin & Barneby | *Rando 1036,* HUEFS | OR704421 | OR743176 | OR704524 | OR742613 | - |
| *Chamaecrista venatoria* (H.S.Irwin & Barneby) H.S.Irwin & Barneby | *A.O. Souza 1258, UFG* | - | MW683472 | MW682040 | - | - |
| *Chamaecrista venulosa* (Benth.) H.S. Irwin & Barneby | *Rando 1015*, HUEFS | KP967011 | KP967116 | KP966950 | KP967006 | OR742483 |
| *Chamaecrista verruculosa* Afr.Fern. & E.P.Nunes | *A.O. Souza 2165, UB* | MW681921 | MW683473 | MW682041 | MW682147 | - |
| *Chamaecrista viscosa* (Benth.) H.S. Irwin & Barneby | *Rando 1207 (ETS, ITS, trnL-F, trnD-T)*, *Cota 1039* (matK), HUEFS | OR704432 | OR743177 | OR704525 | OR742614 | OR742484 |
| *Chamaecrista wittei* (Ghesq.) Lock | *Kayombo 613*, MEXU | OR704365 | - | - | OR742617 | OR742486 |
| *Chamaecrista xanthadena* (Benth.) H.S.Irwin & Barneby = *Chamaecrista exsudans* (Benth.) H.S. Irwin & Barneby | *M Cota 731,* SPF | OR704392 | - | OR704529 | OR742618 | OR742487 |
| *Chamaecrista xinguensis* (Ducke) H.S. Irwin & Barneby | *Rando 1208*, HUEFS | OR704354 | OR743178 | OR704530 | OR742619 | KX264335 |
| *Chamaecrista zygophylloides* (Taub.) H.S.Irwin & Barneby | *A.O. Souza 2236*, UB | MW681927 | MW683477 | MW682045 | MW682153 |  |
| *Chamaecrista exsudans* (Benth.) H.S. Irwin & Barneby | *Cota 731,* SPF |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Outgroup (6 genera/ 50 species) |  |  |  |  |  |  |
| *Batesia floribunda* Spruce ex Benth. | *Ricker 11 (trnL-F), Grenand 3032 (matK),* CAY, *Cota 1158 (ETS, ITS, trnDT),* HUEFS | OR704351 | OR743104 | AY899687 | OR742488 | EU361869 |
| *Cassia brewsteri* (F.Muell.) F.Muell. ex Benth. | *Yi14786*, KUN extracted from complete genoma | - | - | - | MN709860 | MN709860 |
| *Cassia ferruginea* (Schrad.) Schrad. ex DC. | *Queiroz 15372*, HUEFS | - | - | - | - | KY046119 |
| *Cassia fistula* L. | EAC 31694 (ITS), *Fougere-Danezan 5* (trmL-F, matK), MT. | - | GU175310 | EU361781 | - | KX538531 |
| *Cassia grandis* L.f. | *Queiroz 2878* (ITS, trnL-F), HUEFS, *Smith 2061* (matK) | - | FJ009820 | FJ009875 | - | EU361909 |
| *Cassia javanica* L. | *Queiroz 11039* (ITS, trnL-F), HUEFS. *Fougere 6* (trnD-T, matK) | - | FJ009821 | FJ009876 | KX379272 | EU361910 |
| *Cassia leptophylla* Vogel | *Queiroz 12555*, HUEFS | - | - | - | - | KU245651 |
| *Cassia moschata* Kunth | *Dexter 5592* | - | - | - | - | KY045900 |
| *Melanoxylon brauna* Schott | *Noscheler 10* (trnLF), *Lopes & Andrall 113* (matK), K, *Queiroz* *15974* (EST, ITS, trnD-T), HUEFS | OR704349 | OR743106 | AY899700 | OR742620 | EU362000 |
| *Recordoxylon speciosum* (Benoist) Gazel ex Barneby | *Lima 3333* (trnL-F), *Redden 5983* (matK) | - | - | - | - | KX538534 |
| *Senna affinis* | *Neves 1642* | - | - | - | - | KY046102 |
| *Senna alata* (L.) Roxb. | *Bruneau 1076* (ITS, matK, trnD-T), K, *Rando s.n.* (trnL-F), HUEFS | - | KX372780 | MW075531 | KX379273 | EU362042 |
| *Senna armata* | RSA818560 | - | MF964105 | - | - | - |
| *Senna aymara* | *Pennington 825* | - | - | - | - | KY045864 |
| *Senna bauhinioides* | *Spellenberg 12700 (NMC)* | - | - | AF365087 | - | - |
| *Senna bicapsularis* | *Taxon:34695,* (ITS). *Yi14424* (trnL-F and trnD-T) extracted from the complete genome) | - | HQ833043 | NC047366 | NC047366 | - |
| *Senna cana* | *A.O. Souza 423* (ITS, trnL-F), UFG. *Queiroz 9178* (HUEFS) | - | MH835400 | MK390624 | - | KX264341 |
| *Senna candolleana* | *Wojciechowski 868*, ASU | - | - | EU361834 | - | AY386848 |
| *Senna cearensis* | *Queiroz 7867,* HUEFS | - | - | - | - | KY045925 |
| *Senna corifolia* | *A.O. Souza 1037*, UFG | - | MH835402 | MK390626 | - | - |
| *Senna corymbosa* | *see voucher* | - | HQ833047 | - | - | - |
| *Senna covesii* | *Wojciechowski 876* | - | KX372779 | EU361835 | - | AY386850 |
| *Senna didymobotrya* | *CBP129, UC1952665* | - | MF963893 | - | - | - |
| *Senna gardneri* (Benth.) H.S. Irwin & Barneby | *Queiroz 14631* (ETS), *Queiroz 7860* (ITS, trnL-F), HUEFS | XXXXX | FJ009822 | FJ009877 | - | - |
| *Senna hirsuta* | *RRCBI-10901A* | - | KJ605904 | - | - | - |
| *Senna italica* | *LUH:5202* | - | - | KX268211 | - | - |
| *Senna kurtzii* | *Correa 9749*, BAB | - | KX962039 | - | - | - |
| *Senna mollissima* | *Dexter 5831* | - | - | - | - | KY045879 |
| *Senna obliqua* | *Dexter 6468* | - | - | - | - | KY045927 |
| *Senna obtusifolia* | *taxon:346985* | - | KR082773 | - | - | - |
| *Senna occidentalis* | *Martinez* (ITS, *trnL-F*), CORD. *trnD-T* *(*extracted from complete genome) | - | KX962044 | KX268213 | MF358692 | - |
| *Senna organensis* | *Neves 1403* | - | - | - | - | KY045926 |
| *Senna pallida* | *taxon:346988* | - | JQ301829 | - | - | - |
| *Senna pendula* | *A.O. Souza 190,* UFG | MW681930 | MH835403 | MK390627 | - | - |
| *Senna pleurocarpa* | *Grimes & M-Grimes 3193A, NY* | - | - | AF367007 | - | - |
| *Senna polyphylla* | *taxon 1465367* | - | KJ605899 | - | - | - |
| *Senna reniformis* | *Neves 1440* | - | - | - | - | KY046103 |
| *Senna rugosa* | *A.O. Souza 201,* UFG | - | MH835404 | MK390628 | - | - |
| *Senna ruiziana* | *Dexter 6459* | - | - | - | - | KY045929 |
| *Senna siamea* | *LUH:5168* | - | - | KX268214 | - | - |
| *Senna silvestris* | *Cardoso 2521 / FSA 9295* | XXXXXX | - | - | - | - |
| *Senna spectabilis* (DC.) H.S. Irwin & Barneby | *Herendeen & Pooma s.n.* (ITS, trnD-T), US, *Marazzi BM029* (matK) | - | KX372781 | - | KX379274 | AM086900 |
| *Senna surattensis* | *RRCBI-13905* | - | KJ605902 | - | - | - |
| *Senna tora* | *cdK43* | - | FJ572046 | - | - | - |
| *Senna trachypus* | *Queiroz 14704* | - | - | - | - | KY045930 |
| *Senna uniflora* | *CIMAP:C029* | - | KY214463 | - | - | - |
| *Senna wislizeni* | *Spellenberg 12697 (MT, NMC)* | - | - | EU361837 | - | - |
| *Vouacapoua americana* Aubl. | *Cota 1156* (ETS, ITS, trnD-T, trnL-F), HUEFS, *Cardoso 3450* (matK), HUEFS | OR704350 | OR743103 | - | OR742622 | KU245660 |
| *Vouacapoua macropetala* | *Breteler 13793* | - | - | AF365110 | - | EU362063 |
| *Vouacapoua pallidior* Ducke | *Dexter 6908* | - | - | - | - | KY118187 |
|  |  |  |  |  |  |  |