

High proportion of cactus species threatened with extinction

Supplementary Methods

References (26-37)

Database

IUCN's online database, the Species Information Service (SIS), was used to capture the species information. This database was developed to capture and store the information necessary to carry out conservation assessments using the IUCN Red List Categories and Criteria². It consists of text and numeric fields, and the different classification schemes (e.g. habitat types, threats, use and trade;⁵) are integrated as selection boxes. This allows for post hoc analyses.

Data compilation

The first step in data compilation consisted of populating the SIS database with information available from the literature. The information was entered in the form of the species distributions, population trends, habitat preferences and ecology, conservation actions, use and trade. This task was carried out prior to the workshops (see below) to provide the experts with information they could build on to assess species.

Occurrence point data

Over 38,000 occurrence point data records were compiled from academic institutions and experts, in the form of geographic coordinates. The taxonomy was homogenized and all the point data were digitized using ArcGIS 9.3.

Taxonomy

The taxonomy proposed by Hunt *et al.* (2006)²⁶ was followed with a few exceptions (e.g. newly described species, species accepted post-2006). It was the latest revision of the whole family at the time the assessment started.

IUCN Red List Assessment

A total of 1,478 out of 1,480 species were assessed. Only two species were categorized as Not Evaluated, *Epiphyllum laui* and *Strophocactus chontalensis*. No species were categorized as Extinct or Extinct in the Wild.

IUCN standard procedures were followed to generate the Red List assessments²⁷. The data reviewing process was carried out in a series of regional expert workshops. The workshops were organized based on the geographic distribution of the species or the location of the key experts in order to maximize the number of species assessed without adding significantly to the costs or time needed to do the work. For example, most experts on cacti belonging to the Mesoamerican region were, with a few exceptions, based in Mexico, therefore the workshop was held in this country. In the case of Brazil, the majority of the experts were based in Europe and therefore it was more cost effective to hold the workshop in Europe. A total of nine workshops were organized:

1. Mesoamerican region - 26-30 April, 2009, Tehuacán, Puebla, Mexico
2. Chihuahuan Desert region - 16-20 November, 2009, Querétaro, Querétaro, Mexico
3. Sonoran Desert - 10-13 May, 2010, Phoenix, Arizona, USA
4. Brazil I - 2-5 June, 2010, Monaco, Monaco
5. Brazil II - 8-9 August, 2010, Brasília, Brazil

6. Southern Cone - 20-24 September, 2010, Mendoza, Mendoza, Argentina
7. Andean region - 2-6 May, 2011, Santiago, Chile
8. Caribbean region - 25-28 July, 2011, Miami, Florida, USA
9. Baja California region – 6-7 February, 2012, Mexico City, Mexico

All the data compiled in SIS were reviewed by experts during the workshops and amended and improved as required. The species were evaluated following the Red List Categories and Criteria version 3.1² with the help of trained and very experienced IUCN facilitators to ensure the methodology was applied properly and consistently.

Generation length used in Criterion A

Data utilized in the formulas to estimate generation length exist for very few species of cacti (e.g. *Neobuxbaumia macrocephala*). When using Criterion A (SI Table 2 & 10), we used observations of the experts on the species age of first reproduction (age of first flowering + 1-2 years to produce seed depending on the species) and longevity of the species, then used the formula provided in the IUCN guidelines, age of first reproduction + $[z * (\text{length of the reproductive period})]$, where z was assumed to be 0.5.

Number of mature individuals

The estimates of number of mature individuals utilized when applying IUCN Red List Criteria C and D varied from species to species. In some cases, in particular for those species with very small populations, the total number of mature individuals was known or systematic surveys had been conducted. For other species the thresholds suggested in the criteria were used to estimate the total number of mature individuals, i.e. if the number of mature individuals was in the thousands, hundreds or tens.

Species extent of occurrence

Using information on species distributions in the form of occurrence point data, a minimum convex polygon (MCP) was drawn for each species that included all known occurrence sites. The MCPs were drawn using Hawth's Tool²⁸ in ArcMap version 9.3. We adhere to the definition of extent of occurrence (EOO) proposed by Gaston²⁹ and unsuitable habitat was retained in order to obtain a true reflection of risk spreading in the face of threats. The EOO MCP was modified based on expert opinion when necessary. EOO was used to assess the species extinction risk under IUCN Red List Criterion B1.

Cactus species range maps

A range map for each species was generated using ArcGIS versions 9.3 and 10³⁰ following the occurrence point data and distribution information reported in the literature. Information on the topology, hydrology, main cities, political borders at country and subcountry level, and an equal area grid of 10km x 10km was also included to allow recalculation of the extent of occurrence when necessary and scale guidance. The maps were printed on paper and handed out to experts at the workshop and they were asked to redraw the polygons when necessary to better represent the species' actual range. The redrawn polygons of the species' range on paper were then digitized and saved in ESRI shapefile format with a Behrmann equal-area projection. Each species was assigned one shapefile and each was dissolved using the ArcGIS 10³⁰ dissolve tool to ensure there was one feature per shapefile. The size of each range was calculated using the calculate geometry tool. The species range maps were used to conduct all spatial analyses.

Amphibian, bird and mammal species range maps

The range maps for all extant species of amphibians, birds and mammals were downloaded from The IUCN Red List website (<http://www.iucnredlist.org/>). They were saved in ESRI shapefile format with a Behrmann equal-area projection.

Species richness

The following packages were used in R 3.0.2³¹ to rasterize the shapefiles and stack them on one another at a given resolution: *maptools*³², *raster*³³ and *rgdal*³⁴. Vector data were projected to the Behrmann Equal area projection in ArcGIS 10³⁰, then rasterized at a resolution of 8.87 x 8.87 km. Both the polygons and the lines that bound them were rasterized to ensure that any pixel touched by part of the range was converted to a cell containing a positive value. Duplication was avoided by ensuring that for any given species a maximum value of 1 could be assigned to any one pixel. This was repeated for all species looping over a running total raster to create a richness map upon completion.

Proportion of cactus species that are threatened

The proportion of threatened species was calculated by dividing the number of threatened species by the total number of species found in each pixel. This identifies areas with high numbers of threatened species that do not necessarily have high species richness.

Identifying the size of threatened species hotspots

The following was conducted using R 3.0.2³¹ and the raster package³³. Using the total threatened richness map (created with the aforementioned techniques) values were converted to binary. 0 was assigned for values <10 and 1 for values ≥10 (10-14 in reality). The clump function was then used uniquely to label the contiguous groups of pixels with a value of 1.

The queen's rule was adopted (i.e. diagonal pixels were considered as connected) and as a result six groups of pixels were identified.

Composite threats map (RGB image)

This composite threats map uses the ranges of the species as proxies for the geographic spread of the threats. However, the threats may not be operating across the whole range of the species, especially for more widespread taxa, although it could well be the case for species with more restricted ranges.

Individual rasters were created for the three threat types using the aforementioned rasterization technique at a resolution of 17.74 km x 17.74 km. They were then loaded into ArcMap 10³⁰ and the Composite Bands tool was used to assign each one to a red, green or blue band. This produced a map displaying combinations of these colours relating to the values in each of the bands.

Calculating number of threatened species

For taxonomic groups that have been comprehensively evaluated, the proportion of threatened species can be calculated but the number of threatened species is often uncertain because it is not known whether DD species are actually threatened or not. Some taxonomic groups are much better known than others (i.e., they will have fewer DD species), and therefore a more accurate figure for proportion of threatened species can be calculated. Other, less well known groups have a large proportion of DD species, which brings uncertainty into the estimate for proportion of threatened species.

Therefore, the reported percentage of threatened species of cacti presented in this paper is a best estimate (31%) within a range of possible values bounded by lower and upper estimates (28-37%) calculated (following^{12, 26}):

-Lower estimate = % threatened extant species if all DD species are not threatened, i.e.,
 $(CR + EN + VU) / (\text{total assessed} - EX)$

-Best estimate = % threatened extant species if DD species are equally threatened as data sufficient species, i.e., $(CR + EN + VU) / (\text{total assessed} - EX - DD)$

-Upper estimate = % threatened extant species if all DD species are threatened, i.e., $(CR + EN + VU + DD) / (\text{total assessed} - EX)$

Statistical analyses

Cactus height was analysed using a general linear model (GLM) on logarithmically transformed data. Factors included in the maximal model were: IUCN Red List Category, utilized (yes, no, unknown), occurrence in protected areas (yes, no, unknown) and mean elevation (meters above sea level). All possible subsets of the maximal model were compared based on AIC, with all models where $\Delta AIC < 6$ being retained and parameter estimates calculated using model averaging using package MuMIn³⁵. Factors influencing threat category were examined using cumulative link models (CLM) using package Ordinal³⁶ with IUCN Red List Category (CR, EN, VU, NT, LC) as the dependent variable, utilized (yes, no, unknown), occurrence in protected areas (yes, no, unknown), number of habitats found in, upper elevation (masl) and height as predictors. Utilized and number of habitats were subsequently removed for lack of significance. p-values were calculated using likelihood ratio tests for factors and via the Wald statistic for covariates. Pseudo R^2 values³⁷ for CLM models were calculated as measures of variance explained when compared to a null, intercept

only model. GLM and CLM models were performed using the R 3.0.2³² language and environment.

References

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Supplementary Table 1. Total number of cactus species, endemics, percentage of endemics, number of threatened species, percentage of threatened species, number of threatened endemic species, percentage of threatened endemics, and number of Critically Endangered species per country/region.

Country/Region	Total species	Endemics	% Endemics	Threatened species	% Threatened species	Threatened endemics	% Threatened endemics	CR species
Anguilla	3	0	0	0	0	0	0	0
Antigua and Barbuda	7	0	0	0	0	0	0	0
Argentina	205	95	46	27	14	18	20	5
Aruba	8	1	13	1	13	1	100	0
Bahamas	10	0	0	0	0	0	0	0
Barbados	5	0	0	0	0	0	0	0
Belize	9	0	0	1	13	0	0	0
Bolivia	184	94	51	15	9	9	11	0
Bonaire, Sint Eustatius and Saba	2	0	0	0	0	0	0	0
Brazil	271	201	74	131	50	108	56	31
Canada	3	0	0	0	0	0	0	0
Cayman Islands	6	0	0	0	0	0	0	0
Chile	83	59	71	32	40	32	55	6
Colombia	34	2	6	4	13	1	100	0
Costa Rica	32	11	34	8	27	7	70	1
Cuba	31	15	48	10	33	10	67	5
Curaçao	4	0	0	0	0	0	0	0
Dominica	8	0	0	0	0	0	0	0
Dominican Republic	21	2	10	4	24	1	100	1
Ecuador	35	8	23	0	0	0	0	0
El Salvador	11	0	0	1	10	0	0	0
French Guiana	5	0	0	0	0	0	0	0
Grenada	9	0	0	0	0	0	0	0
Guadeloupe	7	0	0	0	0	0	0	0
Guatemala	36	3	8	7	21	2	67	2
Guyana	8	0	0	0	0	0	0	0
Haiti	24	2	8	4	22	1	100	1
Honduras	23	0	0	3	14	0	0	0
Jamaica	15	5	33	2	15	2	67	0
Madagascar	1	0	0	0	0	0	0	0
Martinique	7	0	0	0	0	0	0	0
Mexico	596	450	75	140	26	133	34	32
Montserrat	6	0	0	0	0	0	0	0
Netherlands Antilles	17	0	0	0	0	0	0	0
Nicaragua	18	0	0	1	6	0	0	0
Panama	18	0	0	1	6	0	0	0
Paraguay	62	7	11	8	13	2	40	1
Peru	139	91	65	31	26	29	38	9
Puerto Rico	13	1	8	2	15	1	100	1
Saint Barthélemy	2	0	0	0	0	0	0	0
Saint Kitts and Nevis	6	0	0	0	0	0	0	0
Saint Lucia	7	0	0	0	0	0	0	0
Saint Martin (French part)	2	0	0	0	0	0	0	0
Saint Vincent and the Grenadines	8	0	0	0	0	0	0	0
Sint Maarten (Dutch part)	1	0	0	0	0	0	0	0
South Africa	1	0	0	0	0	0	0	0
Sri Lanka	1	0	0	0	0	0	0	0
Suriname	8	0	0	0	0	0	0	0
Trinidad and Tobago	14	0	0	0	0	0	0	0
Turks and Caicos Islands	3	0	0	0	0	0	0	0
United States	166	44	27	12	7	8	18	4
Uruguay	47	1	2	21	45	1	100	4
Venezuela, Bolivarian Republic of	36	3	8	5	14	2	67	0
Virgin Islands, British	6	0	0	1	17	0	0	0
Virgin Islands, U.S.	10	0	0	0	0	0	0	0

Supplementary Table 2. Cactus species considered in this study and their IUCN Red List Category, Criteria and subcriteria. CR = Critically Endangered, EN = Endangered, VU = Vulnerable, NT = Near Threatened, LC = Least Concern, DD = Data Deficient. No species were listed as Extinct or Extinct in the Wild.

Species	Red List Category	Red List Criteria and subcriteria
<i>Acanthocereus tetragonus</i>	LC	-
<i>Acharagma aguirreanum</i>	CR	B1ab(v)+2ab(v)
<i>Acharagma roseanum</i>	VU	B1ab(iii)
<i>Ariocarpus agavoides</i>	EN	B1ab(v)+2ab(v)
<i>Ariocarpus bravoanus</i>	EN	B1ab(ii,iii,v)
<i>Ariocarpus fissuratus</i>	LC	-
<i>Ariocarpus kotschoubeyanus</i>	NT	-
<i>Ariocarpus retusus</i>	LC	-
<i>Ariocarpus scaphirostris</i>	EN	B1ab(iii,v)+2ab(iii,v)
<i>Ariocarpus trigonus</i>	LC	-
<i>Armatocereus cartwrightianus</i>	LC	-
<i>Armatocereus godingianus</i>	LC	-
<i>Armatocereus laetus</i>	LC	-
<i>Armatocereus matucanensis</i>	LC	-
<i>Armatocereus procerus</i>	LC	-
<i>Armatocereus rauhii</i>	LC	-
<i>Armatocereus riomajensis</i>	LC	-
<i>Arrojadoa albiflora</i>	CR	B1ab(iii)+2ab(iii)
<i>Arrojadoa beateae</i>	DD	-
<i>Arrojadoa dinae</i>	VU	B1ab(iii)+2ab(iii); C1+2a(i)
<i>Arrojadoa eriocaulis</i>	EN	B1ab(iii)
<i>Arrojadoa marylandiae</i>	CR	B1ab(iii,v)+2ab(iii,v)
<i>Arrojadoa multiflora</i>	EN	B1ab(iii,v)
<i>Arrojadoa penicillata</i>	LC	-
<i>Arrojadoa rhodantha</i>	LC	-
<i>Arthrocereus glaziovii</i>	EN	B1ab(iii)
<i>Arthrocereus melanurus</i>	VU	B2ab(iii)
<i>Arthrocereus rondonianus</i>	LC	-
<i>Arthrocereus spinosissimus</i>	LC	-
<i>Astrophytum asterias</i>	VU	B1ab(ii,iii,v)
<i>Astrophytum capricorne</i>	LC	-
<i>Astrophytum caput-medusae</i>	CR	B1ab(iii,v)
<i>Astrophytum coahuilense</i>	VU	B1ab(iii,v)
<i>Astrophytum myriostigma</i>	LC	-
<i>Astrophytum ornatum</i>	VU	B1ab(iii,iv,v)
<i>Austrocactus bertinii</i>	LC	-
<i>Austrocactus philippii</i>	NT	-
<i>Austrocactus spiniflorus</i>	EN	B1ab(iii,v)
<i>Austrocylindropuntia cylindrica</i>	NT	-

<i>Austrocylindropuntia floccosa</i>	LC	-
<i>Austrocylindropuntia lagopus</i>	VU	B1ab(iii)
<i>Austrocylindropuntia pachypus</i>	NT	-
<i>Austrocylindropuntia shaferi</i>	LC	-
<i>Austrocylindropuntia subulata</i>	LC	-
<i>Austrocylindropuntia verschaffeltii</i>	LC	-
<i>Austrocylindropuntia vestita</i>	LC	-
<i>Aztekium hintonii</i>	NT	-
<i>Aztekium ritteri</i>	LC	-
<i>Bergerocactus emoryi</i>	LC	-
<i>Blossfeldia liliputana</i>	LC	-
<i>Brachycereus nesioticus</i>	LC	-
<i>Brasilicereus estevesii</i>	VU	D2
<i>Brasilicereus markgrafii</i>	VU	B1ab(iii)
<i>Brasilicereus phaeacanthus</i>	EN	A2ac
<i>Brasiliopuntia brasiliensis</i>	LC	-
<i>Browningia altissima</i>	VU	B1ab(iii,v)
<i>Browningia amstutziae</i>	DD	-
<i>Browningia candelaris</i>	DD	-
<i>Browningia chlorocarpa</i>	NT	-
<i>Browningia columnaris</i>	DD	-
<i>Browningia hertlingiana</i>	LC	-
<i>Browningia microsperma</i>	LC	-
<i>Browningia pilleifera</i>	LC	-
<i>Calymmanthium substerile</i>	LC	-
<i>Carnegiea gigantea</i>	LC	-
<i>Castellanosia caineana</i>	LC	-
<i>Cephalocereus apicicephalum</i>	LC	-
<i>Cephalocereus columna-trajani</i>	LC	-
<i>Cephalocereus nizandensis</i>	VU	D1
<i>Cephalocereus senilis</i>	EN	B1ab(iii,v)
<i>Cephalocereus totolapensis</i>	VU	B1ab(iii,v)
<i>Cereus aethiops</i>	LC	-
<i>Cereus albicaulis</i>	LC	-
<i>Cereus bicolor</i>	LC	-
<i>Cereus estevesii</i>	CR	B1ab(iii)+2ab(iii); D
<i>Cereus fernambucensis</i>	LC	-
<i>Cereus fricii</i>	VU	B1ab(ii,iii)
<i>Cereus hankeanus</i>	LC	-
<i>Cereus hexagonus</i>	LC	-
<i>Cereus hildmannianus</i>	LC	-
<i>Cereus horrispinus</i>	NT	-
<i>Cereus insularis</i>	LC	-
<i>Cereus jamacaru</i>	LC	-
<i>Cereus kroenleinii</i>	LC	-
<i>Cereus lamprospermus</i>	LC	-

<i>Cereus lanosus</i>	LC	-
<i>Cereus mirabella</i>	EN	A2c
<i>Cereus mortensenii</i>	NT	-
<i>Cereus phatnospermus</i>	LC	-
<i>Cereus pierre-braunianus</i>	VU	D2
<i>Cereus repandus</i>	LC	-
<i>Cereus saddianus</i>	CR	B1ab(iii,v)
<i>Cereus spegazzinii</i>	LC	-
<i>Cereus stenogonus</i>	LC	-
<i>Cereus trigonodendron</i>	LC	-
<i>Cereus vargasianus</i>	VU	D2
<i>Cipocereus bradei</i>	VU	B1ab(iii,iv,v)
<i>Cipocereus crassisepalus</i>	EN	B1ab(iii,iv)
<i>Cipocereus laniflorus</i>	EN	D
<i>Cipocereus minensis</i>	LC	-
<i>Cipocereus pleurocarpus</i>	LC	-
<i>Cipocereus pusilliflorus</i>	CR	D
<i>Cleistocactus acanthurus</i>	NT	-
<i>Cleistocactus ayopayanus</i>	DD	-
<i>Cleistocactus baumannii</i>	LC	-
<i>Cleistocactus brookeae</i>	LC	-
<i>Cleistocactus buchtienii</i>	LC	-
<i>Cleistocactus candelilla</i>	LC	-
<i>Cleistocactus chrysocephalus</i>	DD	-
<i>Cleistocactus fieldianus</i>	LC	-
<i>Cleistocactus hoffmannii</i>	CR	B1ab(iii,v)
<i>Cleistocactus hyalacanthus</i>	LC	-
<i>Cleistocactus hystrix</i>	DD	-
<i>Cleistocactus icosagonus</i>	LC	-
<i>Cleistocactus jajoanus</i>	EN	A2ac; B1ab(iii,v)
<i>Cleistocactus laniceps</i>	LC	-
<i>Cleistocactus leonensis</i>	LC	-
<i>Cleistocactus longiserpens</i>	EN	B1ab(iii)
<i>Cleistocactus luribayensis</i>	DD	-
<i>Cleistocactus morawetzianus</i>	DD	-
<i>Cleistocactus neoroezii</i>	NT	-
<i>Cleistocactus pachycladus</i>	LC	-
<i>Cleistocactus parapetiensis</i>	DD	-
<i>Cleistocactus parviflorus</i>	LC	-
<i>Cleistocactus plagiotoma</i>	DD	-
<i>Cleistocactus pungens</i>	DD	-
<i>Cleistocactus pycnacanthus</i>	DD	-
<i>Cleistocactus reae</i>	NT	-
<i>Cleistocactus ritteri</i>	LC	-
<i>Cleistocactus samaipatanus</i>	LC	-
<i>Cleistocactus sepium</i>	LC	-

<i>Cleistocactus sextonianus</i>	DD	-
<i>Cleistocactus smaragdiflorus</i>	LC	-
<i>Cleistocactus strausii</i>	LC	-
<i>Cleistocactus sulcifer</i>	EN	B1ab(iii)
<i>Cleistocactus tenuiserpens</i>	LC	-
<i>Cleistocactus tominensis</i>	LC	-
<i>Cleistocactus variispinus</i>	DD	-
<i>Cleistocactus viridiflorus</i>	DD	-
<i>Cleistocactus winteri</i>	EN	B1ab(v)
<i>Cleistocactus xylorhizus</i>	CR	B1ab(iii,v); C2a(ii)
<i>Coleocephalocereus aureus</i>	LC	-
<i>Coleocephalocereus braunii</i>	CR	B1ab(iii,v)+2ab(iii,v)
<i>Coleocephalocereus buxbaumianus</i>	EN	B2ab(iii,v)
<i>Coleocephalocereus diersianus</i>	CR	B1ab(iii,v)+2ab(iii,v)
<i>Coleocephalocereus fluminensis</i>	LC	-
<i>Coleocephalocereus goebelianus</i>	EN	A2c
<i>Coleocephalocereus pluricostatus</i>	EN	B1ab(iii)
<i>Coleocephalocereus purpureus</i>	CR	A3c
<i>Coleocephalocereus uebelmanniorum</i>	EN	B1ab(iii)
<i>Consolea corallicola</i>	CR	B1ab(v)
<i>Consolea falcata</i>	CR	D
<i>Consolea macracantha</i>	LC	-
<i>Consolea millspaughii</i>	LC	-
<i>Consolea moniliformis</i>	LC	-
<i>Consolea nashii</i>	LC	-
<i>Consolea picardae</i>	DD	-
<i>Consolea rubescens</i>	LC	-
<i>Consolea spinosissima</i>	EN	B1ab(iii)
<i>Copiapoa ahremephiana</i>	CR	B1ab(iii,v)
<i>Copiapoa angustiflora</i>	CR	B1ab(iii,v)+2ab(iii,v)
<i>Copiapoa calderana</i>	LC	-
<i>Copiapoa cinerascens</i>	EN	B1ab(v)
<i>Copiapoa cinerea</i>	LC	-
<i>Copiapoa coquimbana</i>	LC	-
<i>Copiapoa dealbata</i>	LC	-
<i>Copiapoa decorticans</i>	CR	B1ab(iii,v)
<i>Copiapoa echinoides</i>	NT	-
<i>Copiapoa esmeraldana</i>	CR	B1ab(iii,v)
<i>Copiapoa fiedleriana</i>	EN	B1ab(iii,v)
<i>Copiapoa grandiflora</i>	EN	B1ab(iii,v)
<i>Copiapoa humilis</i>	NT	-
<i>Copiapoa hypogaea</i>	EN	B1ab(v)
<i>Copiapoa krainziana</i>	LC	-
<i>Copiapoa longistaminea</i>	LC	-
<i>Copiapoa marginata</i>	NT	-
<i>Copiapoa megarhiza</i>	VU	B1ab(iii,v)

<i>Copiapoa montana</i>	LC	-
<i>Copiapoa serpentisulcata</i>	EN	B1ab(iii,v)
<i>Copiapoa solaris</i>	EN	B1ab(v)
<i>Copiapoa taltalensis</i>	EN	B1ab(v)
<i>Corryocactus apiciflorus</i>	DD	-
<i>Corryocactus aureus</i>	DD	-
<i>Corryocactus ayacuchoensis</i>	EN	B1ab(iii)
<i>Corryocactus brachypetalus</i>	EN	A2ace
<i>Corryocactus brevistylus</i>	LC	-
<i>Corryocactus chachapoyensis</i>	LC	-
<i>Corryocactus erectus</i>	VU	B1ab(iii)
<i>Corryocactus melanotrichus</i>	LC	-
<i>Corryocactus pulquinensis</i>	EN	B1ab(iii,v)
<i>Corryocactus quadrangularis</i>	DD	-
<i>Corryocactus serpens</i>	DD	-
<i>Corryocactus squarrosus</i>	DD	-
<i>Corryocactus tarijensis</i>	EN	B1ab(iii)
<i>Corynopuntia aggeria</i>	LC	-
<i>Corynopuntia bulbispina</i>	EN	B1ab(iii)
<i>Corynopuntia clavata</i>	LC	-
<i>Corynopuntia emoryi</i>	LC	-
<i>Corynopuntia grahamii</i>	LC	-
<i>Corynopuntia invicta</i>	LC	-
<i>Corynopuntia kunzei</i>	LC	-
<i>Corynopuntia marenae</i>	NT	-
<i>Corynopuntia moelleri</i>	LC	-
<i>Corynopuntia parishiorum</i>	LC	-
<i>Corynopuntia pulchella</i>	LC	-
<i>Corynopuntia reflexispina</i>	CR	B1ab(i,ii,iii,v)+2ab(i,ii,iii,v)
<i>Corynopuntia schottii</i>	LC	-
<i>Corynopuntia vilis</i>	LC	-
<i>Coryphantha clavata</i>	LC	-
<i>Coryphantha compacta</i>	LC	-
<i>Coryphantha cornifera</i>	LC	-
<i>Coryphantha delaetiana</i>	LC	-
<i>Coryphantha delicata</i>	LC	-
<i>Coryphantha difficilis</i>	LC	-
<i>Coryphantha durangensis</i>	LC	-
<i>Coryphantha echinoidea</i>	LC	-
<i>Coryphantha echinus</i>	LC	-
<i>Coryphantha elephantidens</i>	LC	-
<i>Coryphantha erecta</i>	LC	-
<i>Coryphantha georgii</i>	LC	-
<i>Coryphantha glanduligera</i>	LC	-
<i>Coryphantha glassii</i>	LC	-
<i>Coryphantha gracilis</i>	LC	-

<i>Coryphantha hintoniorum</i>	VU	A2ac; B1ab(i,ii)
<i>Coryphantha jalpanensis</i>	LC	-
<i>Coryphantha kracikii</i>	DD	-
<i>Coryphantha longicornis</i>	LC	-
<i>Coryphantha macromeris</i>	LC	-
<i>Coryphantha maiz-tablasensis</i>	EN	B1ab(ii,iii,v)
<i>Coryphantha neglecta</i>	LC	-
<i>Coryphantha nickelsiae</i>	LC	-
<i>Coryphantha octacantha</i>	LC	-
<i>Coryphantha ottonis</i>	LC	-
<i>Coryphantha pallida</i>	LC	-
<i>Coryphantha poselgeriana</i>	LC	-
<i>Coryphantha potosiana</i>	CR	A3c; B1ab(iii,v)+2ab(iii,v)
<i>Coryphantha pseudoechinus</i>	LC	-
<i>Coryphantha pseudonickelsiae</i>	LC	-
<i>Coryphantha pulleineana</i>	EN	B1ab(iii)
<i>Coryphantha pycnacantha</i>	EN	A2c+4c; C2a(i)
<i>Coryphantha ramillosa</i>	LC	-
<i>Coryphantha recurvata</i>	LC	-
<i>Coryphantha retusa</i>	DD	-
<i>Coryphantha robustispina</i>	LC	-
<i>Coryphantha salinensis</i>	LC	-
<i>Coryphantha sulcata</i>	LC	-
<i>Coryphantha tripugionacantha</i>	LC	-
<i>Coryphantha vaupeliana</i>	EN	B1ab(iii,v)
<i>Coryphantha vogtheriana</i>	LC	-
<i>Coryphantha wedermannii</i>	LC	-
<i>Coryphantha wohlschlageri</i>	LC	-
<i>Cumarinia odorata</i>	LC	-
<i>Cumulopuntia boliviana</i>	LC	-
<i>Cumulopuntia chichensis</i>	LC	-
<i>Cumulopuntia rossiana</i>	LC	-
<i>Cumulopuntia sphaerica</i>	LC	-
<i>Cylindropuntia abyssi</i>	LC	-
<i>Cylindropuntia acanthocarpa</i>	LC	-
<i>Cylindropuntia alcahes</i>	LC	-
<i>Cylindropuntia antejoensis</i>	VU	B1ab(iii)
<i>Cylindropuntia arbuscula</i>	LC	-
<i>Cylindropuntia bigelovii</i>	LC	-
<i>Cylindropuntia californica</i>	LC	-
<i>Cylindropuntia calmalliana</i>	LC	-
<i>Cylindropuntia caribaea</i>	LC	-
<i>Cylindropuntia cholla</i>	LC	-
<i>Cylindropuntia davisii</i>	LC	-
<i>Cylindropuntia delgadilloana</i>	LC	-
<i>Cylindropuntia echinocarpa</i>	LC	-

<i>Cylindropuntia fulgida</i>	LC	-
<i>Cylindropuntia ganderi</i>	LC	-
<i>Cylindropuntia hystrix</i>	CR	B1ab(iii)+2ab(iii)
<i>Cylindropuntia imbricata</i>	LC	-
<i>Cylindropuntia kleiniae</i>	LC	-
<i>Cylindropuntia leptocaulis</i>	LC	-
<i>Cylindropuntia lindsayi</i>	LC	-
<i>Cylindropuntia molesta</i>	LC	-
<i>Cylindropuntia multigeniculata</i>	LC	-
<i>Cylindropuntia munzii</i>	LC	-
<i>Cylindropuntia prolifera</i>	LC	-
<i>Cylindropuntia ramosissima</i>	LC	-
<i>Cylindropuntia rosea</i>	DD	-
<i>Cylindropuntia sanfelipensis</i>	LC	-
<i>Cylindropuntia santamaria</i>	VU	D2
<i>Cylindropuntia spinosior</i>	LC	-
<i>Cylindropuntia tesajo</i>	LC	-
<i>Cylindropuntia thurberi</i>	LC	-
<i>Cylindropuntia tunicata</i>	LC	-
<i>Cylindropuntia versicolor</i>	LC	-
<i>Cylindropuntia whipplei</i>	LC	-
<i>Cylindropuntia wolfii</i>	LC	-
<i>Dendrocereus nudiflorus</i>	EN	B2ab(iii,v); D
<i>Dendrocereus undulosus</i>	DD	-
<i>Denmoza rhodacantha</i>	LC	-
<i>Discocactus bahiensis</i>	VU	A2c
<i>Discocactus boliviensis</i>	VU	D2
<i>Discocactus cangaensis</i>	CR	A2ac; B1ab(iii,v)
<i>Discocactus catingicola</i>	LC	-
<i>Discocactus cephaliaciculosus</i>	LC	-
<i>Discocactus diersianus</i>	EN	A2ac
<i>Discocactus ferricola</i>	EN	B2ab(iii,v)
<i>Discocactus hartmannii</i>	CR	A2ac
<i>Discocactus heptacanthus</i>	NT	-
<i>Discocactus horstii</i>	VU	D2
<i>Discocactus petr-halfari</i>	CR	A3c; B1ab(iii,v)+2ab(iii,v)
<i>Discocactus placentiformis</i>	LC	-
<i>Discocactus pseudoinsignis</i>	EN	B1ab(iii,v)
<i>Discocactus subterraneo-proliferans</i>	CR	D
<i>Discocactus zehntneri</i>	NT	-
<i>Discocactus ackermannii</i>	LC	-
<i>Discocactus biformis</i>	EN	B1ab(iii,v)
<i>Discocactus eichlamii</i>	EN	B1ab(iii,v)
<i>Discocactus flagelliformis</i>	NT	-
<i>Discocactus macdougallii</i>	EN	B1ab(iii)
<i>Discocactus macranthus</i>	LC	-

<i>Disocactus martianus</i>	NT	-
<i>Disocactus nelsonii</i>	LC	-
<i>Disocactus phyllanthoides</i>	VU	A2ac
<i>Disocactus quezaltecus</i>	LC	-
<i>Disocactus speciosus</i>	LC	-
<i>Echinocactus grusonii</i>	EN	B1ab(v)
<i>Echinocactus horzonthalonius</i>	LC	-
<i>Echinocactus parryi</i>	NT	-
<i>Echinocactus platyacanthus</i>	NT	-
<i>Echinocactus polycephalus</i>	LC	-
<i>Echinocactus texensis</i>	LC	-
<i>Echinocereus acifer</i>	LC	-
<i>Echinocereus adustus</i>	LC	-
<i>Echinocereus arizonicus</i>	LC	-
<i>Echinocereus barthelowanus</i>	EN	B1ab(iii,v)
<i>Echinocereus berlandieri</i>	LC	-
<i>Echinocereus bonkerae</i>	LC	-
<i>Echinocereus brandegeei</i>	LC	-
<i>Echinocereus bristolii</i>	LC	-
<i>Echinocereus chisosensis</i>	EN	B1ab(v)
<i>Echinocereus cinerascens</i>	LC	-
<i>Echinocereus coccineus</i>	LC	-
<i>Echinocereus dasyacanthus</i>	LC	-
<i>Echinocereus engelmannii</i>	LC	-
<i>Echinocereus enneacanthus</i>	LC	-
<i>Echinocereus fasciculatus</i>	LC	-
<i>Echinocereus fendleri</i>	LC	-
<i>Echinocereus ferreirianus</i>	LC	-
<i>Echinocereus freudenbergeri</i>	DD	-
<i>Echinocereus grandis</i>	LC	-
<i>Echinocereus klapperi</i>	DD	-
<i>Echinocereus knippelianus</i>	LC	-
<i>Echinocereus laui</i>	LC	-
<i>Echinocereus ledingii</i>	LC	-
<i>Echinocereus leucanthus</i>	EN	B1ab(iii)
<i>Echinocereus longisetus</i>	LC	-
<i>Echinocereus mapimiensis</i>	VU	D2
<i>Echinocereus maritimus</i>	VU	B1ab(iii,v)
<i>Echinocereus metornii</i>	DD	-
<i>Echinocereus mombergerianus</i>	DD	-
<i>Echinocereus nicholii</i>	LC	-
<i>Echinocereus nivosus</i>	CR	B1ab(v)
<i>Echinocereus ortegae</i>	DD	-
<i>Echinocereus pacificus</i>	LC	-
<i>Echinocereus palmeri</i>	LC	-
<i>Echinocereus pamanesiorum</i>	LC	-

<i>Echinocereus papillosus</i>	LC	-
<i>Echinocereus parkeri</i>	LC	-
<i>Echinocereus pectinatus</i>	LC	-
<i>Echinocereus pensilis</i>	LC	-
<i>Echinocereus pentaloophus</i>	LC	-
<i>Echinocereus polyacanthus</i>	LC	-
<i>Echinocereus poselgeri</i>	LC	-
<i>Echinocereus primolanatus</i>	LC	-
<i>Echinocereus pseudopectinatus</i>	LC	-
<i>Echinocereus pulchellus</i>	VU	C2a(i)
<i>Echinocereus rayonesensis</i>	LC	-
<i>Echinocereus reichenbachii</i>	LC	-
<i>Echinocereus rigidissimus</i>	LC	-
<i>Echinocereus russanthus</i>	LC	-
<i>Echinocereus salm-dyckianus</i>	DD	-
<i>Echinocereus santaritensis</i>	LC	-
<i>Echinocereus scheeri</i>	LC	-
<i>Echinocereus schereri</i>	DD	-
<i>Echinocereus schmollii</i>	EN	B1ab(iii); D
<i>Echinocereus sciurus</i>	EN	B1ab(iii,v)
<i>Echinocereus scopulorum</i>	LC	-
<i>Echinocereus spinigemmatum</i>	LC	-
<i>Echinocereus stoloniferus</i>	LC	-
<i>Echinocereus stramineus</i>	LC	-
<i>Echinocereus subinermis</i>	DD	-
<i>Echinocereus triglochidiatus</i>	LC	-
<i>Echinocereus viereckii</i>	LC	-
<i>Echinocereus viridiflorus</i>	LC	-
<i>Echinocereus websterianus</i>	NT	-
<i>Echinopsis albispinosa</i>	VU	B1ab(iii)
<i>Echinopsis ancistrophora</i>	VU	A4ad
<i>Echinopsis angelesiae</i>	EN	B1ab(iii)
<i>Echinopsis arachnacantha</i>	LC	-
<i>Echinopsis arboricola</i>	DD	-
<i>Echinopsis atacamensis</i>	NT	-
<i>Echinopsis aurea</i>	LC	-
<i>Echinopsis ayopayana</i>	NT	-
<i>Echinopsis backebergii</i>	VU	B1ab(iii,v)
<i>Echinopsis bolligeriana</i>	EN	B1ab(iii,v)
<i>Echinopsis breviflora</i>	LC	-
<i>Echinopsis bridgesii</i>	LC	-
<i>Echinopsis caineana</i>	NT	-
<i>Echinopsis calochlora</i>	LC	-
<i>Echinopsis calorubra</i>	LC	-
<i>Echinopsis camarguensis</i>	LC	-
<i>Echinopsis candicans</i>	LC	-

<i>Echinopsis caulescens</i>	EN	B1ab(iii)
<i>Echinopsis chamaecereus</i>	DD	-
<i>Echinopsis chiloensis</i>	LC	-
<i>Echinopsis chrysantha</i>	VU	D2
<i>Echinopsis chrysochete</i>	LC	-
<i>Echinopsis cinnabarina</i>	LC	-
<i>Echinopsis clavata</i>	DD	-
<i>Echinopsis coquimbana</i>	EN	B1ab(iii,v)
<i>Echinopsis cuzcoensis</i>	LC	-
<i>Echinopsis densispina</i>	LC	-
<i>Echinopsis deserticola</i>	LC	-
<i>Echinopsis famatinensis</i>	VU	B1ab(v)
<i>Echinopsis ferox</i>	LC	-
<i>Echinopsis formosa</i>	LC	-
<i>Echinopsis glauca</i>	DD	-
<i>Echinopsis haematacantha</i>	LC	-
<i>Echinopsis hahniana</i>	DD	-
<i>Echinopsis hertrichiana</i>	EN	B1ab(iii)
<i>Echinopsis huascha</i>	LC	-
<i>Echinopsis jajoana</i>	LC	-
<i>Echinopsis lageniformis</i>	LC	-
<i>Echinopsis lateritia</i>	LC	-
<i>Echinopsis leucantha</i>	LC	-
<i>Echinopsis mamillosa</i>	LC	-
<i>Echinopsis marsoneri</i>	LC	-
<i>Echinopsis maximiliana</i>	LC	-
<i>Echinopsis mirabilis</i>	LC	-
<i>Echinopsis obrepanda</i>	LC	-
<i>Echinopsis oligotricha</i>	EN	B1ab(iii,v)
<i>Echinopsis oxygona</i>	LC	-
<i>Echinopsis pachanoi</i>	LC	-
<i>Echinopsis pampana</i>	EN	A2acd
<i>Echinopsis pamparuizii</i>	LC	-
<i>Echinopsis pentlandii</i>	LC	-
<i>Echinopsis peruviana</i>	LC	-
<i>Echinopsis pugionacantha</i>	LC	-
<i>Echinopsis quadratumbonata</i>	LC	-
<i>Echinopsis rhodotricha</i>	LC	-
<i>Echinopsis rojasii</i>	LC	-
<i>Echinopsis rowleyi</i>	LC	-
<i>Echinopsis saltensis</i>	LC	-
<i>Echinopsis schickendantzii</i>	LC	-
<i>Echinopsis schieliana</i>	LC	-
<i>Echinopsis spiniflora</i>	LC	-
<i>Echinopsis stilowiana</i>	LC	-
<i>Echinopsis strigosa</i>	LC	-

<i>Echinopsis tacaquirensis</i>	LC	-
<i>Echinopsis tarijensis</i>	LC	-
<i>Echinopsis tegeleriana</i>	LC	-
<i>Echinopsis terscheckii</i>	VU	A2cd
<i>Echinopsis thelegona</i>	VU	B1ab(iii,v)
<i>Echinopsis thelegonoides</i>	VU	B1ab(iii,v)
<i>Echinopsis thionantha</i>	LC	-
<i>Echinopsis tiegeliana</i>	LC	-
<i>Echinopsis tunariensis</i>	LC	-
<i>Echinopsis vasquezii</i>	NT	-
<i>Echinopsis volliana</i>	LC	-
<i>Echinopsis walteri</i>	CR	B1ab(i,ii,iii,v)+2ab(i,ii,iii,v)
<i>Echinopsis werdermanniana</i>	LC	-
<i>Echinopsis yuquina</i>	LC	-
<i>Epiphyllum anguliger</i>	LC	-
<i>Epiphyllum baueri</i>	DD	-
<i>Epiphyllum cartagense</i>	LC	-
<i>Epiphyllum crenatum</i>	LC	-
<i>Epiphyllum grandilobum</i>	NT	-
<i>Epiphyllum hookeri</i>	LC	-
<i>Epiphyllum laui</i>	NE	-
<i>Epiphyllum lepidocarpum</i>	EN	B2ab(iii,iv,v)
<i>Epiphyllum oxypetalum</i>	LC	-
<i>Epiphyllum phyllanthus</i>	LC	-
<i>Epiphyllum pumilum</i>	LC	-
<i>Epiphyllum thomasianum</i>	LC	-
<i>Epithelantha bokei</i>	LC	-
<i>Epithelantha micromeris</i>	LC	-
<i>Eriosyce aspillagae</i>	EN	B1ab(iii,v)
<i>Eriosyce aurata</i>	LC	-
<i>Eriosyce bulbocalyx</i>	LC	-
<i>Eriosyce calderana</i>	EN	C2a(i)
<i>Eriosyce chilensis</i>	CR	B1ab(v)
<i>Eriosyce confinis</i>	VU	B1ab(i,ii,iii,v)
<i>Eriosyce crispa</i>	EN	B1ab(iii,v)
<i>Eriosyce curvispina</i>	LC	-
<i>Eriosyce engleri</i>	LC	-
<i>Eriosyce eriosyzoides</i>	LC	-
<i>Eriosyce esmeraldana</i>	EN	B1ab(v)
<i>Eriosyce garaventa</i>	LC	-
<i>Eriosyce heinrichiana</i>	LC	-
<i>Eriosyce iquiquensis</i>	EN	B1ab(iii,v)
<i>Eriosyce islayensis</i>	NT	-
<i>Eriosyce laui</i>	CR	B1ab(v); C2a(i)
<i>Eriosyce meglolii</i>	LC	-
<i>Eriosyce napina</i>	VU	B1ab(v)

<i>Eriosyce occulta</i>	EN	B1ab(v); C2a(i)
<i>Eriosyce odieri</i>	VU	B1ab(v)
<i>Eriosyce paucicostata</i>	LC	-
<i>Eriosyce recondita</i>	VU	D1
<i>Eriosyce rodentiophila</i>	VU	B1ab(v)
<i>Eriosyce senilis</i>	VU	B1ab(iii,v)
<i>Eriosyce simulans</i>	EN	A3c
<i>Eriosyce sociabilis</i>	EN	D
<i>Eriosyce strausiana</i>	LC	-
<i>Eriosyce subgibbosa</i>	LC	-
<i>Eriosyce taltalensis</i>	VU	D1
<i>Eriosyce umadeave</i>	EN	B1ab(v)
<i>Eriosyce villicumensis</i>	LC	-
<i>Eriosyce villosa</i>	LC	-
<i>Escobaria alversonii</i>	LC	-
<i>Escobaria chihuahuensis</i>	LC	-
<i>Escobaria cubensis</i>	EN	B1ab(iii,v)
<i>Escobaria dasyacantha</i>	LC	-
<i>Escobaria duncanii</i>	LC	-
<i>Escobaria emskoetteriana</i>	LC	-
<i>Escobaria hesteri</i>	LC	-
<i>Escobaria laredoi</i>	DD	-
<i>Escobaria lloydii</i>	DD	-
<i>Escobaria minima</i>	LC	-
<i>Escobaria missouriensis</i>	LC	-
<i>Escobaria robbinsorum</i>	VU	D2
<i>Escobaria sneedii</i>	LC	-
<i>Escobaria tuberculosa</i>	LC	-
<i>Escobaria vivipara</i>	LC	-
<i>Escobaria zilziana</i>	DD	-
<i>Escontria chiotilla</i>	LC	-
<i>Espostoa blossfeldiorum</i>	LC	-
<i>Espostoa calva</i>	LC	-
<i>Espostoa frutescens</i>	NT	-
<i>Espostoa guentheri</i>	NT	-
<i>Espostoa hylaea</i>	LC	-
<i>Espostoa lanata</i>	LC	-
<i>Espostoa melanostele</i>	LC	-
<i>Espostoa mirabilis</i>	LC	-
<i>Espostoa senilis</i>	LC	-
<i>Espostoa superba</i>	DD	-
<i>Espostoa utcubambensis</i>	LC	-
<i>Espostoopsis dybowski</i>	VU	B1ab(i,ii,iii,iv,v)
<i>Estevesia alex-bragae</i>	CR	A3c
<i>Eulychnia acida</i>	LC	-
<i>Eulychnia breviflora</i>	LC	-

<i>Eulychnia castanea</i>	LC	-
<i>Eulychnia iquiquensis</i>	LC	-
<i>Facheiroa cephalomelana</i>	VU	B2ab(i,ii,iii,iv,v)
<i>Facheiroa squamosa</i>	LC	-
<i>Facheiroa ulei</i>	LC	-
<i>Ferocactus alamosanus</i>	NT	-
<i>Ferocactus chrysacanthus</i>	EN	B1ab(iii,v)
<i>Ferocactus cylindraceus</i>	LC	-
<i>Ferocactus diguetii</i>	LC	-
<i>Ferocactus echidne</i>	LC	-
<i>Ferocactus emoryi</i>	LC	-
<i>Ferocactus flavovirens</i>	EN	B1ab(v)
<i>Ferocactus fordii</i>	VU	B1ab(iii,v)
<i>Ferocactus glaucescens</i>	LC	-
<i>Ferocactus gracilis</i>	LC	-
<i>Ferocactus haematacanthus</i>	EN	B1ab(iii,v)
<i>Ferocactus hamatacanthus</i>	LC	-
<i>Ferocactus herrerae</i>	VU	A2c
<i>Ferocactus histrix</i>	NT	-
<i>Ferocactus johnstonianus</i>	LC	-
<i>Ferocactus latispinus</i>	LC	-
<i>Ferocactus lindsayi</i>	LC	-
<i>Ferocactus macrodiscus</i>	VU	B1ab(iii,iv,v)
<i>Ferocactus peninsulae</i>	LC	-
<i>Ferocactus pilosus</i>	LC	-
<i>Ferocactus pottsii</i>	NT	-
<i>Ferocactus robustus</i>	VU	B1ab(iii)
<i>Ferocactus schwarzii</i>	DD	-
<i>Ferocactus tiburonensis</i>	VU	B1ab(iii,v)
<i>Ferocactus viridescens</i>	LC	-
<i>Ferocactus wislizeni</i>	VU	A2ac
<i>Frailea buenekeri</i>	EN	B1ab(iii,v)
<i>Frailea castanea</i>	LC	-
<i>Frailea cataphracta</i>	NT	-
<i>Frailea chiquitana</i>	DD	-
<i>Frailea curvispina</i>	EN	B1ab(iii,v)
<i>Frailea fulviseta</i>	EN	B1ab(iii,v)
<i>Frailea gracillima</i>	VU	A2ac
<i>Frailea mammifera</i>	EN	B1ab(iii,v)
<i>Frailea phaeodisca</i>	VU	A2ac
<i>Frailea pumila</i>	LC	-
<i>Frailea pygmaea</i>	LC	-
<i>Frailea schilinzkyana</i>	VU	A2ac
<i>Geohintonia mexicana</i>	NT	-
<i>Grusonia bradtiana</i>	LC	-
<i>Grusonia robertsii</i>	DD	-

<i>Gymnocalycium albiareolatum</i>	CR	B1ab(iii,v)
<i>Gymnocalycium amerhauseri</i>	EN	D
<i>Gymnocalycium andreae</i>	LC	-
<i>Gymnocalycium anisitsii</i>	LC	-
<i>Gymnocalycium baldianum</i>	LC	-
<i>Gymnocalycium bayrianum</i>	LC	-
<i>Gymnocalycium berchtii</i>	LC	-
<i>Gymnocalycium bodenbenderianum</i>	LC	-
<i>Gymnocalycium bruchii</i>	LC	-
<i>Gymnocalycium calochlorum</i>	LC	-
<i>Gymnocalycium capillaense</i>	LC	-
<i>Gymnocalycium castellanosii</i>	LC	-
<i>Gymnocalycium chiquitanum</i>	DD	-
<i>Gymnocalycium denudatum</i>	EN	A2ac
<i>Gymnocalycium erinaceum</i>	LC	-
<i>Gymnocalycium eurypleurum</i>	LC	-
<i>Gymnocalycium gibbosum</i>	LC	-
<i>Gymnocalycium glaucum</i>	LC	-
<i>Gymnocalycium horstii</i>	EN	A2ac
<i>Gymnocalycium hossei</i>	LC	-
<i>Gymnocalycium hyptiacanthum</i>	LC	-
<i>Gymnocalycium kieslingii</i>	LC	-
<i>Gymnocalycium kroenleinii</i>	LC	-
<i>Gymnocalycium marianae</i>	VU	D1+2
<i>Gymnocalycium marsoneri</i>	LC	-
<i>Gymnocalycium mesopotamicum</i>	LC	-
<i>Gymnocalycium mihanovichii</i>	LC	-
<i>Gymnocalycium monvillei</i>	LC	-
<i>Gymnocalycium mostii</i>	LC	-
<i>Gymnocalycium neuhuberi</i>	CR	B1ab(v)
<i>Gymnocalycium nigriareolatum</i>	LC	-
<i>Gymnocalycium ochoteranae</i>	LC	-
<i>Gymnocalycium oenanthemum</i>	EN	B1ab(iii,v)
<i>Gymnocalycium paraguayense</i>	VU	B1ab(iii,v)
<i>Gymnocalycium pflanzii</i>	LC	-
<i>Gymnocalycium pugionacanthum</i>	LC	-
<i>Gymnocalycium ragonesei</i>	CR	B1ab(iii,v)
<i>Gymnocalycium reductum</i>	LC	-
<i>Gymnocalycium rhodantherum</i>	LC	-
<i>Gymnocalycium ritterianum</i>	LC	-
<i>Gymnocalycium robustum</i>	LC	-
<i>Gymnocalycium saglionis</i>	LC	-
<i>Gymnocalycium schickendantzii</i>	LC	-
<i>Gymnocalycium schroederianum</i>	LC	-
<i>Gymnocalycium spagazzinii</i>	LC	-
<i>Gymnocalycium stellatum</i>	LC	-

<i>Gymnocalycium stenopleurum</i>	LC	-
<i>Gymnocalycium strigianum</i>	LC	-
<i>Gymnocalycium tanningaense</i>	LC	-
<i>Gymnocalycium uebelmannianum</i>	LC	-
<i>Gymnocalycium uruguayense</i>	VU	A2ac
<i>Haageocereus acranthus</i>	LC	-
<i>Haageocereus chilensis</i>	LC	-
<i>Haageocereus decumbens</i>	LC	-
<i>Haageocereus pacalaensis</i>	CR	A4ac
<i>Haageocereus platinospinus</i>	LC	-
<i>Haageocereus pseudomelanostele</i>	LC	-
<i>Haageocereus pseudoversicolor</i>	LC	-
<i>Haageocereus tenuis</i>	CR	B1ab(iii,v)+2ab(iii,v)
<i>Haageocereus versicolor</i>	LC	-
<i>Harrisia adscendens</i>	LC	-
<i>Harrisia balansae</i>	LC	-
<i>Harrisia eriophora</i>	LC	-
<i>Harrisia gracilis</i>	LC	-
<i>Harrisia martinii</i>	LC	-
<i>Harrisia pomanensis</i>	LC	-
<i>Harrisia regelii</i>	LC	-
<i>Harrisia tetracantha</i>	LC	-
<i>Harrisia tortuosa</i>	LC	-
<i>Hattiora cylindrica</i>	EN	B2ab(ii,iii,iv,v)
<i>Hattiora epiphylloides</i>	EN	B1ab(iii)
<i>Hattiora gaertneri</i>	VU	B1ab(iii,v)
<i>Hattiora herminiae</i>	EN	B1ab(v)
<i>Hattiora rosea</i>	NT	-
<i>Hattiora salicornioides</i>	LC	-
<i>Hylocereus calcaratus</i>	EN	B1ab(iii)+2ab(iii)
<i>Hylocereus costaricensis</i>	LC	-
<i>Hylocereus esculintlensis</i>	CR	A2ac
<i>Hylocereus extensus</i>	DD	-
<i>Hylocereus guatemalensis</i>	LC	-
<i>Hylocereus megalanthus</i>	LC	-
<i>Hylocereus minutiflorus</i>	VU	B1ab(iii)
<i>Hylocereus monacanthus</i>	LC	-
<i>Hylocereus ocamponis</i>	LC	-
<i>Hylocereus setaceus</i>	LC	-
<i>Hylocereus stenopterus</i>	VU	B1ab(iii)
<i>Hylocereus triangularis</i>	LC	-
<i>Hylocereus tricae</i>	DD	-
<i>Hylocereus undatus</i>	DD	-
<i>Jasminocereus thouarsii</i>	LC	-
<i>Lasiocereus fulvus</i>	LC	-
<i>Lasiocereus rupicola</i>	LC	-

<i>Leocereus bahiensis</i>	LC	-
<i>Lepismium cruciforme</i>	LC	-
<i>Lepismium houlletianum</i>	LC	-
<i>Lepismium incachacatum</i>	LC	-
<i>Lepismium lorentzianum</i>	LC	-
<i>Lepismium lumbricoides</i>	LC	-
<i>Lepismium warmingianum</i>	LC	-
<i>Leptocereus arboreus</i>	EN	B1ab(iii)
<i>Leptocereus assurgens</i>	LC	-
<i>Leptocereus carinatus</i>	CR	B1ab(ii,iii)+2ab(ii,iii); C2a(ii)
<i>Leptocereus grantianus</i>	CR	D
<i>Leptocereus leonii</i>	CR	B2ab(iii)
<i>Leptocereus paniculatus</i>	VU	C2a(ii)
<i>Leptocereus quadricostatus</i>	EN	B1ab(iii)
<i>Leptocereus scopulophilus</i>	CR	B1ab(i,ii,iii,iv,v)+2ab(i,ii,iii,iv,v)
<i>Leptocereus sylvestris</i>	NT	-
<i>Leptocereus weingartianus</i>	LC	-
<i>Leptocereus wrightii</i>	CR	B2ab(ii,iii,v); C2a(i,ii); D
<i>Leuchtenbergia principis</i>	LC	-
<i>Lophophora diffusa</i>	VU	B1ab(v)+2ab(v)
<i>Lophophora fricii</i>	DD	-
<i>Lophophora williamsii</i>	VU	A4acd
<i>Maihuenia patagonica</i>	LC	-
<i>Maihuenia poeppigii</i>	LC	-
<i>Maihueniopsis archiconoidea</i>	DD	-
<i>Maihueniopsis clavarioides</i>	NT	-
<i>Maihueniopsis conoidea</i>	LC	-
<i>Maihueniopsis darwinii</i>	LC	-
<i>Maihueniopsis glomerata</i>	LC	-
<i>Maihueniopsis hypogaea</i>	LC	-
<i>Maihueniopsis minuta</i>	EN	B1ab(v)
<i>Maihueniopsis subterranea</i>	LC	-
<i>Mammillaria albicans</i>	LC	-
<i>Mammillaria albicoma</i>	EN	B1ab(iii,v)+2ab(iii,v)
<i>Mammillaria albiflora</i>	CR	B1ab(iii,v)+2ab(iii,v)
<i>Mammillaria albilanata</i>	LC	-
<i>Mammillaria anniana</i>	CR	B1ab(v)
<i>Mammillaria armillata</i>	VU	B1ab(iii)
<i>Mammillaria aureilanata</i>	EN	B1ab(ii,iii,v)+2ab(ii,iii,v)
<i>Mammillaria backebergiana</i>	DD	-
<i>Mammillaria barbata</i>	LC	-
<i>Mammillaria baumii</i>	LC	-
<i>Mammillaria beneckeii</i>	LC	-
<i>Mammillaria berkiana</i>	VU	D2
<i>Mammillaria blossfeldiana</i>	NT	-
<i>Mammillaria bocasana</i>	LC	-

<i>Mammillaria bocensis</i>	VU	B1ab(iii,v)
<i>Mammillaria boelderiana</i>	DD	-
<i>Mammillaria bombycina</i>	VU	A2a
<i>Mammillaria boolii</i>	NT	-
<i>Mammillaria brandegeei</i>	LC	-
<i>Mammillaria capensis</i>	EN	B1ab(iii,v)
<i>Mammillaria carmenae</i>	CR	B1ab(iii,v)
<i>Mammillaria carnea</i>	LC	-
<i>Mammillaria carretii</i>	VU	D2
<i>Mammillaria cerralboa</i>	LC	-
<i>Mammillaria coahuilensis</i>	EN	B1ab(iii,v)
<i>Mammillaria columbiana</i>	LC	-
<i>Mammillaria compressa</i>	LC	-
<i>Mammillaria crinita</i>	LC	-
<i>Mammillaria crucigera</i>	EN	B1ab(iii,v)
<i>Mammillaria decipiens</i>	LC	-
<i>Mammillaria deherdtiana</i>	VU	B1ab(iii,v)
<i>Mammillaria densispina</i>	LC	-
<i>Mammillaria dioica</i>	LC	-
<i>Mammillaria discolor</i>	LC	-
<i>Mammillaria dixanthocentron</i>	LC	-
<i>Mammillaria duoformis</i>	DD	-
<i>Mammillaria duwei</i>	CR	B1ab(v)
<i>Mammillaria eichlamii</i>	EN	C2a(i)
<i>Mammillaria ekmanii</i>	DD	-
<i>Mammillaria elongata</i>	LC	-
<i>Mammillaria eriacantha</i>	VU	B1ab(iii,v)
<i>Mammillaria erythrosperma</i>	LC	-
<i>Mammillaria evermanniana</i>	LC	-
<i>Mammillaria fittkaui</i>	LC	-
<i>Mammillaria flavicentra</i>	DD	-
<i>Mammillaria formosa</i>	LC	-
<i>Mammillaria gasseriana</i>	EN	B1ab(v)
<i>Mammillaria geminispina</i>	LC	-
<i>Mammillaria gigantea</i>	DD	-
<i>Mammillaria glassii</i>	LC	-
<i>Mammillaria glochidiata</i>	CR	D
<i>Mammillaria grahamii</i>	LC	-
<i>Mammillaria grusonii</i>	LC	-
<i>Mammillaria guelzowiana</i>	LC	-
<i>Mammillaria guerreronis</i>	LC	-
<i>Mammillaria guillauminiana</i>	DD	-
<i>Mammillaria haageana</i>	LC	-
<i>Mammillaria hahniana</i>	NT	-
<i>Mammillaria halbingeri</i>	DD	-
<i>Mammillaria halei</i>	VU	A2c

<i>Mammillaria hernandezii</i>	EN	B1ab(iii,v)
<i>Mammillaria herrerae</i>	CR	A2ad; B1ab(v)+2ab(v)
<i>Mammillaria heyderi</i>	LC	-
<i>Mammillaria huitzilopochtli</i>	LC	-
<i>Mammillaria humboldtii</i>	CR	B1ab(iii,v)
<i>Mammillaria hutchisoniana</i>	LC	-
<i>Mammillaria insularis</i>	LC	-
<i>Mammillaria jaliscana</i>	VU	A2c
<i>Mammillaria johnstonii</i>	EN	B1ab(iii)
<i>Mammillaria karwinskiana</i>	LC	-
<i>Mammillaria klissingiana</i>	LC	-
<i>Mammillaria knippeliana</i>	DD	-
<i>Mammillaria kraehenbuehlii</i>	LC	-
<i>Mammillaria lasiacantha</i>	LC	-
<i>Mammillaria laui</i>	CR	B1ab(v)
<i>Mammillaria lenta</i>	LC	-
<i>Mammillaria linaresensis</i>	DD	-
<i>Mammillaria longiflora</i>	LC	-
<i>Mammillaria longimamma</i>	VU	B1ab(iii)
<i>Mammillaria luethyi</i>	VU	D2
<i>Mammillaria magnifica</i>	DD	-
<i>Mammillaria magnimamma</i>	LC	-
<i>Mammillaria mainiae</i>	LC	-
<i>Mammillaria mammillaris</i>	LC	-
<i>Mammillaria manana</i>	CR	B1ab(v)+2ab(v)
<i>Mammillaria marcosii</i>	CR	A2d+3d; B1ab(v)+2ab(v); C2a(ii)
<i>Mammillaria marksiana</i>	LC	-
<i>Mammillaria mathildae</i>	EN	B2ab(i,ii,iii,v)
<i>Mammillaria matudae</i>	DD	-
<i>Mammillaria mazatlanensis</i>	LC	-
<i>Mammillaria melaleuca</i>	EN	B1ab(iii)
<i>Mammillaria melanocentra</i>	LC	-
<i>Mammillaria mercadensis</i>	LC	-
<i>Mammillaria meyranii</i>	DD	-
<i>Mammillaria microhelix</i>	EN	B1ab(iii,v)
<i>Mammillaria moelleriana</i>	LC	-
<i>Mammillaria morganiana</i>	DD	-
<i>Mammillaria muehlenpfordtii</i>	LC	-
<i>Mammillaria multidigitata</i>	VU	D2
<i>Mammillaria mystax</i>	LC	-
<i>Mammillaria nana</i>	LC	-
<i>Mammillaria napina</i>	NT	-
<i>Mammillaria neopalmeri</i>	LC	-
<i>Mammillaria nivosa</i>	LC	-
<i>Mammillaria nunezii</i>	LC	-
<i>Mammillaria orcuttii</i>	LC	-

<i>Mammillaria oteroi</i>	VU	B1ab(iii)
<i>Mammillaria painteri</i>	DD	-
<i>Mammillaria parkinsonii</i>	EN	B1ab(iii,v)
<i>Mammillaria pectinifera</i>	EN	B1ab(iii,v)
<i>Mammillaria peninsularis</i>	EN	B1ab(iii,v)
<i>Mammillaria pennispinosa</i>	CR	B2ab(v)
<i>Mammillaria perbella</i>	VU	B1ab(iii)
<i>Mammillaria petrophila</i>	VU	B1ab(iii)
<i>Mammillaria petterssonii</i>	LC	-
<i>Mammillaria phitauiana</i>	LC	-
<i>Mammillaria picta</i>	LC	-
<i>Mammillaria pilispina</i>	LC	-
<i>Mammillaria plumosa</i>	NT	-
<i>Mammillaria polyedra</i>	LC	-
<i>Mammillaria polythele</i>	LC	-
<i>Mammillaria pondii</i>	LC	-
<i>Mammillaria poselgeri</i>	LC	-
<i>Mammillaria pottsii</i>	LC	-
<i>Mammillaria pringlei</i>	VU	B1ab(v); D2
<i>Mammillaria prolifera</i>	LC	-
<i>Mammillaria rekoi</i>	LC	-
<i>Mammillaria rettigiana</i>	EN	B1ab(iii,v)
<i>Mammillaria rhodantha</i>	LC	-
<i>Mammillaria roseoalba</i>	DD	-
<i>Mammillaria saboae</i>	LC	-
<i>Mammillaria sanchez-mejoradae</i>	CR	B1ab(v)+2ab(v)
<i>Mammillaria sartorii</i>	LC	-
<i>Mammillaria schiedeana</i>	VU	B1ab(v)
<i>Mammillaria schumannii</i>	EN	B1ab(iii)
<i>Mammillaria schwarzii</i>	CR	B1ab(iv,v)c(iv)
<i>Mammillaria scrippsiana</i>	LC	-
<i>Mammillaria sempervivi</i>	LC	-
<i>Mammillaria senilis</i>	LC	-
<i>Mammillaria sinistrahamata</i>	DD	-
<i>Mammillaria sphacelata</i>	LC	-
<i>Mammillaria sphaerica</i>	LC	-
<i>Mammillaria spinosissima</i>	DD	-
<i>Mammillaria standleyi</i>	LC	-
<i>Mammillaria supertexta</i>	EN	B1ab(iii,iv,v)
<i>Mammillaria surculosa</i>	EN	B1ab(ii,iii,iv,v)
<i>Mammillaria tayloriorum</i>	VU	D2
<i>Mammillaria tetrancistra</i>	LC	-
<i>Mammillaria theresae</i>	CR	B1ab(v)
<i>Mammillaria thornberi</i>	LC	-
<i>Mammillaria tonalensis</i>	LC	-
<i>Mammillaria uncinata</i>	LC	-

<i>Mammillaria variaculeata</i>	DD	-
<i>Mammillaria vetula</i>	LC	-
<i>Mammillaria wagneriana</i>	DD	-
<i>Mammillaria weingartiana</i>	LC	-
<i>Mammillaria wiesingeri</i>	DD	-
<i>Mammillaria winterae</i>	LC	-
<i>Mammillaria wrightii</i>	LC	-
<i>Mammillaria xaltiangensis</i>	DD	-
<i>Mammillaria zeilmanniana</i>	CR	B1ab(v)+2ab(v)
<i>Mammillaria zephyranthoides</i>	LC	-
<i>Mammillaria zuberlae</i>	EN	B1ab(v)+2ab(v); C2a(i)
<i>Mammilloidya candida</i>	LC	-
<i>Matucana aurantiaca</i>	LC	-
<i>Matucana aureiflora</i>	CR	B1ab(iii)
<i>Matucana formosa</i>	LC	-
<i>Matucana haynei</i>	LC	-
<i>Matucana huagalensis</i>	CR	B1ab(iii,v)
<i>Matucana intertexta</i>	DD	-
<i>Matucana krahni</i>	VU	B1ab(v)
<i>Matucana madisoniorum</i>	CR	B1ab(iii,v)
<i>Matucana oreodoxa</i>	VU	D2
<i>Matucana paucicostata</i>	VU	B1ab(v)
<i>Matucana pujupatii</i>	NT	-
<i>Matucana ritleri</i>	CR	B1ab(v)
<i>Matucana tuberculata</i>	EN	B1ab(v)
<i>Matucana weberbaueri</i>	EN	B1ab(v)
<i>Melocactus andinus</i>	EN	B2ab(iii,v)
<i>Melocactus azureus</i>	EN	B1ab(iii,iv,v)
<i>Melocactus bahiensis</i>	LC	-
<i>Melocactus bellavistensis</i>	DD	-
<i>Melocactus braunii</i>	CR	B1ab(iii,v)
<i>Melocactus brederoianus</i>	CR	B1ab(i,ii,iii,iv,v)+2ab(i,ii,iii,iv,v)
<i>Melocactus broadwayi</i>	NT	-
<i>Melocactus caroli-linnaei</i>	NT	-
<i>Melocactus concinnus</i>	LC	-
<i>Melocactus conoideus</i>	CR	B1ab(i,iii,iv,v)
<i>Melocactus curvispinus</i>	LC	-
<i>Melocactus deinacanthus</i>	EN	B1ab(iii,v)
<i>Melocactus ernestii</i>	LC	-
<i>Melocactus estevesii</i>	DD	-
<i>Melocactus ferreophilus</i>	CR	B1ab(iii,iv,v)
<i>Melocactus glaucescens</i>	EN	B1ab(iii)
<i>Melocactus harlowii</i>	LC	-
<i>Melocactus inconcinnus</i>	LC	-
<i>Melocactus intortus</i>	LC	-
<i>Melocactus lanssensianus</i>	EN	B1ab(i,ii,iii)

<i>Melocactus lemairei</i>	NT	-
<i>Melocactus levitestatus</i>	LC	-
<i>Melocactus macracanthos</i>	LC	-
<i>Melocactus matanzanus</i>	EN	B1ab(iii,v); D
<i>Melocactus mazelianus</i>	LC	-
<i>Melocactus neryi</i>	LC	-
<i>Melocactus oreas</i>	LC	-
<i>Melocactus pachyacanthus</i>	VU	B1ab(i,ii,iii,iv,v)
<i>Melocactus paucispinus</i>	LC	-
<i>Melocactus peruvianus</i>	LC	-
<i>Melocactus praerupticola</i>	DD	-
<i>Melocactus salvadorensis</i>	VU	A4c
<i>Melocactus schatzlii</i>	VU	B1ab(iii)
<i>Melocactus smithii</i>	LC	-
<i>Melocactus stramineus</i>	EN	B1ab(iii)
<i>Melocactus violaceus</i>	VU	A2c
<i>Melocactus zehntneri</i>	LC	-
<i>Micranthocereus albicephalus</i>	VU	B1ab(iii)+2ab(iii)
<i>Micranthocereus auriazureus</i>	EN	B1ab(iii)
<i>Micranthocereus flaviflorus</i>	NT	-
<i>Micranthocereus hofackerianus</i>	EN	B1ab(iii,v)
<i>Micranthocereus polyanthus</i>	EN	A2c; B1ab(iii,v); C2a(i)
<i>Micranthocereus purpureus</i>	LC	-
<i>Micranthocereus streckeri</i>	CR	B1ab(iii)
<i>Micranthocereus violaciflorus</i>	EN	B1ab(iii)
<i>Mila caespitosa</i>	VU	A4ac
<i>Miqueliopuntia miquelii</i>	LC	-
<i>Myrtillocactus cochal</i>	LC	-
<i>Myrtillocactus eichlamii</i>	CR	C2a(i)
<i>Myrtillocactus geometrizans</i>	LC	-
<i>Myrtillocactus schenckii</i>	LC	-
<i>Neobuxbaumia euphorbioides</i>	VU	B1ab(iii)
<i>Neobuxbaumia macrocephala</i>	LC	-
<i>Neobuxbaumia mezcalaensis</i>	LC	-
<i>Neobuxbaumia polylopha</i>	VU	B1ab(iii)
<i>Neobuxbaumia sanchezmejoradae</i>	DD	-
<i>Neobuxbaumia scoparia</i>	LC	-
<i>Neobuxbaumia squamulosa</i>	LC	-
<i>Neobuxbaumia tetetzo</i>	LC	-
<i>Neolloydia conoidea</i>	LC	-
<i>Neolloydia matehualensis</i>	DD	-
<i>Neoraimondia arequipensis</i>	LC	-
<i>Neoraimondia herzogiana</i>	LC	-
<i>Neowerdermannia chilensis</i>	LC	-
<i>Neowerdermannia vorwerkii</i>	LC	-
<i>Nopalea auberi</i>	LC	-

<i>Nopalea cochenillifera</i>	DD	-
<i>Nopalea dejecta</i>	DD	-
<i>Nopalea inaperta</i>	LC	-
<i>Nopalea lutea</i>	DD	-
<i>Obregonia denegrii</i>	EN	B1ab(iii,v)+2ab(iii,v)
<i>Opuntia abjecta</i>	CR	B1ab(iii); C2a(i)
<i>Opuntia acaulis</i>	DD	-
<i>Opuntia aciculata</i>	DD	-
<i>Opuntia ammophila</i>	LC	-
<i>Opuntia anacantha</i>	LC	-
<i>Opuntia arechavaletae</i>	LC	-
<i>Opuntia assumptionis</i>	LC	-
<i>Opuntia atrispina</i>	LC	-
<i>Opuntia aurantiaca</i>	LC	-
<i>Opuntia aurea</i>	LC	-
<i>Opuntia aureispina</i>	LC	-
<i>Opuntia austrina</i>	LC	-
<i>Opuntia basilaris</i>	LC	-
<i>Opuntia boldinghii</i>	LC	-
<i>Opuntia bravoana</i>	LC	-
<i>Opuntia caracasana</i>	LC	-
<i>Opuntia chaffeyi</i>	CR	D
<i>Opuntia chlorotica</i>	LC	-
<i>Opuntia curassavica</i>	NT	-
<i>Opuntia decumbens</i>	LC	-
<i>Opuntia depressa</i>	LC	-
<i>Opuntia elata</i>	LC	-
<i>Opuntia elatior</i>	LC	-
<i>Opuntia engelmannii</i>	LC	-
<i>Opuntia excelsa</i>	LC	-
<i>Opuntia ficus-indica</i>	DD	-
<i>Opuntia fragilis</i>	LC	-
<i>Opuntia fuliginosa</i>	LC	-
<i>Opuntia galapageia</i>	LC	-
<i>Opuntia gosseliniana</i>	LC	-
<i>Opuntia guatemalensis</i>	LC	-
<i>Opuntia huajuapensis</i>	LC	-
<i>Opuntia humifusa</i>	LC	-
<i>Opuntia hyptiacantha</i>	LC	-
<i>Opuntia jamaicensis</i>	DD	-
<i>Opuntia lagunae</i>	LC	-
<i>Opuntia lasiacantha</i>	LC	-
<i>Opuntia lata</i>	LC	-
<i>Opuntia leucotricha</i>	LC	-
<i>Opuntia littoralis</i>	LC	-
<i>Opuntia macrocentra</i>	LC	-

<i>Opuntia macrorhiza</i>	LC	-
<i>Opuntia megapotamica</i>	LC	-
<i>Opuntia megarrhiza</i>	EN	B1ab(iii,v)+2ab(iii,v)
<i>Opuntia microdasys</i>	LC	-
<i>Opuntia monacantha</i>	LC	-
<i>Opuntia oricola</i>	LC	-
<i>Opuntia pachyrrhiza</i>	EN	B1ab(iii,v)
<i>Opuntia parvyclada</i>	LC	-
<i>Opuntia phaeacantha</i>	LC	-
<i>Opuntia pillifera</i>	LC	-
<i>Opuntia pinkavae</i>	LC	-
<i>Opuntia pittieri</i>	DD	-
<i>Opuntia pollardii</i>	LC	-
<i>Opuntia polyacantha</i>	LC	-
<i>Opuntia pottsii</i>	LC	-
<i>Opuntia puberula</i>	LC	-
<i>Opuntia pubescens</i>	LC	-
<i>Opuntia pusilla</i>	LC	-
<i>Opuntia pycnantha</i>	LC	-
<i>Opuntia quimilo</i>	LC	-
<i>Opuntia quitensis</i>	LC	-
<i>Opuntia repens</i>	LC	-
<i>Opuntia robusta</i>	LC	-
<i>Opuntia rufida</i>	LC	-
<i>Opuntia salmiana</i>	LC	-
<i>Opuntia sanguinea</i>	DD	-
<i>Opuntia scheeri</i>	DD	-
<i>Opuntia schickendantzii</i>	LC	-
<i>Opuntia schumannii</i>	VU	B2ab(iii)
<i>Opuntia soederstromiana</i>	LC	-
<i>Opuntia stenarthra</i>	DD	-
<i>Opuntia stenopetala</i>	LC	-
<i>Opuntia streptacantha</i>	LC	-
<i>Opuntia stricta</i>	LC	-
<i>Opuntia strigil</i>	LC	-
<i>Opuntia sulphurea</i>	LC	-
<i>Opuntia taylorii</i>	DD	-
<i>Opuntia tehuacana</i>	LC	-
<i>Opuntia tehuantepecana</i>	LC	-
<i>Opuntia tomentosa</i>	LC	-
<i>Opuntia triacantha</i>	NT	-
<i>Opuntia velutina</i>	DD	-
<i>Opuntia wilcoxii</i>	LC	-
<i>Oreocereus celsianus</i>	LC	-
<i>Oreocereus doelzianus</i>	LC	-
<i>Oreocereus hempelianus</i>	LC	-

<i>Oreocereus leucotrichus</i>	LC	-
<i>Oreocereus pseudofossulatus</i>	NT	-
<i>Oreocereus trollii</i>	LC	-
<i>Oroya borchersii</i>	LC	-
<i>Oroya peruviana</i>	EN	A4ac
<i>Ortegocactus macdougallii</i>	DD	-
<i>Pachycereus fulviceps</i>	LC	-
<i>Pachycereus gatesii</i>	VU	A3c
<i>Pachycereus gaumeri</i>	EN	A2c
<i>Pachycereus grandis</i>	VU	B1ab(iii,v)
<i>Pachycereus hollianus</i>	LC	-
<i>Pachycereus lepidanthus</i>	NT	-
<i>Pachycereus marginatus</i>	DD	-
<i>Pachycereus militaris</i>	VU	C2a(i)
<i>Pachycereus pecten-aboriginum</i>	LC	-
<i>Pachycereus pringlei</i>	LC	-
<i>Pachycereus schottii</i>	LC	-
<i>Pachycereus tepamo</i>	LC	-
<i>Pachycereus weberi</i>	LC	-
<i>Parodia alacriportana</i>	VU	B1ab(iii,v)
<i>Parodia allosiphon</i>	EN	B1ab(iii,v)
<i>Parodia arnostiana</i>	CR	A4ac
<i>Parodia aureicentra</i>	NT	-
<i>Parodia ayopayana</i>	LC	-
<i>Parodia buiningii</i>	CR	A4ac
<i>Parodia carambeiensis</i>	LC	-
<i>Parodia chrysacanthion</i>	LC	-
<i>Parodia columnaris</i>	NT	-
<i>Parodia comarapana</i>	LC	-
<i>Parodia commutans</i>	LC	-
<i>Parodia concinna</i>	VU	A4acd
<i>Parodia crassigibba</i>	CR	A2ac
<i>Parodia erinacea</i>	LC	-
<i>Parodia formosa</i>	LC	-
<i>Parodia fusca</i>	VU	A4ac
<i>Parodia gaucha</i>	EN	B1ab(iii)
<i>Parodia gibbulosoides</i>	LC	-
<i>Parodia glaucina</i>	VU	A4ac
<i>Parodia haselbergii</i>	VU	A4ac
<i>Parodia hausteiniana</i>	EN	D
<i>Parodia herteri</i>	CR	A4ac
<i>Parodia horstii</i>	EN	C1
<i>Parodia langsдорфii</i>	VU	A4ac
<i>Parodia leninghausii</i>	EN	A4ac
<i>Parodia linkii</i>	LC	-
<i>Parodia maassii</i>	LC	-

<i>Parodia magnifica</i>	EN	A4ac; B1ab(iii,v)+2ab(iii,v)
<i>Parodia mammulosa</i>	LC	-
<i>Parodia microsperma</i>	LC	-
<i>Parodia mueller-melchersii</i>	EN	A4ac
<i>Parodia muricata</i>	EN	A4ac
<i>Parodia neoarechavaletae</i>	VU	B1ab(i,iii,v)
<i>Parodia neohorstii</i>	CR	A4ac
<i>Parodia nigrispina</i>	EN	B1ab(v)
<i>Parodia nivosa</i>	CR	B1ab(v)
<i>Parodia nothorauschi</i>	CR	A2ac
<i>Parodia ocampoi</i>	LC	-
<i>Parodia otaviana</i>	LC	-
<i>Parodia ottonis</i>	VU	A4ac
<i>Parodia oxycostata</i>	VU	A4ac
<i>Parodia penicillata</i>	EN	B1ab(v); C2a(i)
<i>Parodia permutata</i>	VU	B1ab(iii,v)
<i>Parodia prestoensis</i>	LC	-
<i>Parodia procera</i>	DD	-
<i>Parodia rechensis</i>	CR	B1ab(iii,v)+2ab(iii,v); C2a(ii)
<i>Parodia ritteri</i>	LC	-
<i>Parodia rudibuenekeri</i>	EN	B1ab(iii,v)
<i>Parodia schumanniana</i>	VU	A2acd
<i>Parodia schwebsiana</i>	LC	-
<i>Parodia scopa</i>	VU	A4ac
<i>Parodia stockingeri</i>	EN	B1ab(i,iii,v); C1
<i>Parodia stuemeri</i>	LC	-
<i>Parodia subterranea</i>	LC	-
<i>Parodia taratensis</i>	LC	-
<i>Parodia tenuicylindrica</i>	EN	A4ac
<i>Parodia tuberculata</i>	LC	-
<i>Parodia turbinata</i>	LC	-
<i>Parodia turecekiana</i>	VU	B1ab(iii,v)
<i>Parodia warasii</i>	EN	B1ab(v)
<i>Parodia werdermanniana</i>	CR	B1ab(iii,v)
<i>Pediocactus bradyi</i>	NT	-
<i>Pediocactus despainii</i>	NT	-
<i>Pediocactus knowltonii</i>	CR	B1ac(iv)
<i>Pediocactus nigrispinus</i>	LC	-
<i>Pediocactus paradinei</i>	EN	B1ab(iv)c(iv)
<i>Pediocactus peeblesianus</i>	LC	-
<i>Pediocactus sileri</i>	LC	-
<i>Pediocactus simpsonii</i>	LC	-
<i>Pediocactus winkleri</i>	LC	-
<i>Pelecyphora aselliformis</i>	LC	-
<i>Pelecyphora strobiliformis</i>	LC	-
<i>Peniocereus castellae</i>	VU	C2a(i)

<i>Peniocereus chiapensis</i>	VU	A2c; B2ab(ii,iii)
<i>Peniocereus cuixmalensis</i>	VU	B1ab(iv,v)
<i>Peniocereus fosterianus</i>	VU	D1
<i>Peniocereus greggii</i>	LC	-
<i>Peniocereus hirschtianus</i>	LC	-
<i>Peniocereus johnstonii</i>	LC	-
<i>Peniocereus lazaro-cardenasii</i>	EN	B1ab(iii,v); C2a(i)
<i>Peniocereus macdougallii</i>	EN	B1ab(iii,v); C2a(i)
<i>Peniocereus maculatus</i>	CR	C2a(i); D
<i>Peniocereus marianus</i>	LC	-
<i>Peniocereus oaxacensis</i>	VU	B1ab(iii)
<i>Peniocereus occidentalis</i>	CR	B1ab(iii)+2ab(iii); D
<i>Peniocereus rosei</i>	VU	C2a(i)
<i>Peniocereus serpentinus</i>	LC	-
<i>Peniocereus striatus</i>	LC	-
<i>Peniocereus tepalcatepecanus</i>	VU	C2a(i)
<i>Peniocereus viperinus</i>	LC	-
<i>Peniocereus zopilotensis</i>	CR	C2a(i); D
<i>Pereskia aculeata</i>	LC	-
<i>Pereskia aureiflora</i>	EN	A2c+4c
<i>Pereskia bahiensis</i>	LC	-
<i>Pereskia bleo</i>	LC	-
<i>Pereskia diaz-romeroana</i>	LC	-
<i>Pereskia grandifolia</i>	LC	-
<i>Pereskia guamacho</i>	LC	-
<i>Pereskia horrida</i>	LC	-
<i>Pereskia lychnidiflora</i>	LC	-
<i>Pereskia marcanoi</i>	VU	B2ab(iii)
<i>Pereskia nemorosa</i>	LC	-
<i>Pereskia portulacifolia</i>	VU	B1ab(iii)
<i>Pereskia quisqueyana</i>	CR	B1ab(iii)+2ab(iii)
<i>Pereskia sacharosa</i>	LC	-
<i>Pereskia stenantha</i>	LC	-
<i>Pereskia weberiana</i>	LC	-
<i>Pereskia zinniiflora</i>	VU	B2ab(iii)
<i>Pereskopsis aquosa</i>	LC	-
<i>Pereskopsis blakeana</i>	LC	-
<i>Pereskopsis diguetii</i>	LC	-
<i>Pereskopsis kellermanii</i>	LC	-
<i>Pereskopsis porteri</i>	LC	-
<i>Pereskopsis rotundifolia</i>	LC	-
<i>Pfeiffera asuntapatensis</i>	DD	-
<i>Pfeiffera boliviana</i>	DD	-
<i>Pfeiffera brevispina</i>	DD	-
<i>Pfeiffera crenata</i>	DD	-
<i>Pfeiffera ianthothele</i>	LC	-

<i>Pfeiffera micrantha</i>	EN	B1ab(i,iii)
<i>Pfeiffera miyagawae</i>	DD	-
<i>Pfeiffera monacantha</i>	LC	-
<i>Pfeiffera paranganiensis</i>	LC	-
<i>Pierrebraunia bahiensis</i>	VU	B1ab(iii,v)
<i>Pierrebraunia brauniorum</i>	LC	-
<i>Pilosocereus albisummus</i>	DD	-
<i>Pilosocereus alensis</i>	LC	-
<i>Pilosocereus arrabidae</i>	NT	-
<i>Pilosocereus aureispinus</i>	VU	D2
<i>Pilosocereus aurisetus</i>	LC	-
<i>Pilosocereus azulensis</i>	CR	B1ab(iii)
<i>Pilosocereus bohlei</i>	LC	-
<i>Pilosocereus brasiliensis</i>	LC	-
<i>Pilosocereus catingicola</i>	LC	-
<i>Pilosocereus chrysacanthus</i>	LC	-
<i>Pilosocereus chrysostele</i>	NT	-
<i>Pilosocereus collinsii</i>	LC	-
<i>Pilosocereus densiareolatus</i>	NT	-
<i>Pilosocereus diersianus</i>	CR	D
<i>Pilosocereus flavipulvinatus</i>	LC	-
<i>Pilosocereus flexibilispinus</i>	NT	-
<i>Pilosocereus floccosus</i>	LC	-
<i>Pilosocereus frewenii</i>	CR	D
<i>Pilosocereus fulvilanatus</i>	NT	-
<i>Pilosocereus gaumeri</i>	LC	-
<i>Pilosocereus glaucochrous</i>	LC	-
<i>Pilosocereus gounellei</i>	LC	-
<i>Pilosocereus jauruensis</i>	LC	-
<i>Pilosocereus lanuginosus</i>	LC	-
<i>Pilosocereus leucocephalus</i>	LC	-
<i>Pilosocereus machrisii</i>	LC	-
<i>Pilosocereus magnificus</i>	EN	B1ab(i,ii,iii)
<i>Pilosocereus mollispinus</i>	DD	-
<i>Pilosocereus multicosatus</i>	EN	B1ab(i,ii,iii)
<i>Pilosocereus oligolepis</i>	DD	-
<i>Pilosocereus pachycladus</i>	LC	-
<i>Pilosocereus parvus</i>	VU	D2
<i>Pilosocereus pentaedrophorus</i>	LC	-
<i>Pilosocereus piauhyensis</i>	LC	-
<i>Pilosocereus polygonus</i>	LC	-
<i>Pilosocereus purpusii</i>	LC	-
<i>Pilosocereus pusillibaccatus</i>	LC	-
<i>Pilosocereus quadricentralis</i>	EN	B1ab(iii); D
<i>Pilosocereus royenii</i>	LC	-
<i>Pilosocereus splendidus</i>	DD	-

<i>Pilosocereus tillianus</i>	EN	B1ab(iii,v)
<i>Pilosocereus tuberculatus</i>	LC	-
<i>Pilosocereus ulei</i>	EN	B1ab(iii)
<i>Pilosocereus vilaboensis</i>	LC	-
<i>Polaskia chende</i>	LC	-
<i>Polaskia chichi</i>	LC	-
<i>Praecereus euchlorus</i>	LC	-
<i>Praecereus saxicola</i>	LC	-
<i>Pseudoacanthocereus brasiliensis</i>	VU	A2c; C1+2a(i)
<i>Pseudoacanthocereus sicariguensis</i>	DD	-
<i>Pseudorhipsalis acuminata</i>	NT	-
<i>Pseudorhipsalis alata</i>	EN	B2ab(iii)
<i>Pseudorhipsalis amazonica</i>	LC	-
<i>Pseudorhipsalis himantoclada</i>	NT	-
<i>Pseudorhipsalis lankesteri</i>	DD	-
<i>Pseudorhipsalis ramulosa</i>	LC	-
<i>Pterocactus araucanus</i>	LC	-
<i>Pterocactus australis</i>	LC	-
<i>Pterocactus fischeri</i>	LC	-
<i>Pterocactus gonjianii</i>	LC	-
<i>Pterocactus hickenii</i>	LC	-
<i>Pterocactus meglolii</i>	LC	-
<i>Pterocactus reticulatus</i>	LC	-
<i>Pterocactus tuberosus</i>	LC	-
<i>Pterocactus valentinii</i>	LC	-
<i>Pygmaeocereus bieblii</i>	EN	B1ab(v)
<i>Pygmaeocereus bylesianus</i>	CR	A2c
<i>Quiabentia verticillata</i>	LC	-
<i>Quiabentia zehntneri</i>	LC	-
<i>Rauhocereus riosaniensis</i>	LC	-
<i>Rebutia albipectinata</i>	EN	B1ab(iii)
<i>Rebutia arenacea</i>	NT	-
<i>Rebutia breviflora</i>	LC	-
<i>Rebutia canigueralii</i>	LC	-
<i>Rebutia cardenasiana</i>	LC	-
<i>Rebutia cintia</i>	LC	-
<i>Rebutia cylindrica</i>	LC	-
<i>Rebutia deminuta</i>	LC	-
<i>Rebutia einsteinii</i>	LC	-
<i>Rebutia fabrisii</i>	LC	-
<i>Rebutia fidana</i>	LC	-
<i>Rebutia fiebrigii</i>	LC	-
<i>Rebutia glomeriseta</i>	EN	B1ab(iii,v)
<i>Rebutia heliosa</i>	LC	-
<i>Rebutia krugerae</i>	EN	B1ab(iii)
<i>Rebutia mentosa</i>	LC	-

<i>Rebutia minuscula</i>	LC	-
<i>Rebutia neocumingii</i>	LC	-
<i>Rebutia neumanniana</i>	DD	-
<i>Rebutia oligacantha</i>	LC	-
<i>Rebutia padcayensis</i>	LC	-
<i>Rebutia pulchra</i>	LC	-
<i>Rebutia pulvinosa</i>	DD	-
<i>Rebutia pygmaea</i>	LC	-
<i>Rebutia ritteri</i>	LC	-
<i>Rebutia steinbachii</i>	LC	-
<i>Rebutia steinmannii</i>	LC	-
<i>Rebutia tarjensis</i>	LC	-
<i>Rebutia vasqueziana</i>	NT	-
<i>Rhipsalis agudoensis</i>	DD	-
<i>Rhipsalis baccifera</i>	LC	-
<i>Rhipsalis burchellii</i>	LC	-
<i>Rhipsalis campos-portoana</i>	LC	-
<i>Rhipsalis cereoides</i>	NT	-
<i>Rhipsalis cereuscula</i>	LC	-
<i>Rhipsalis clavata</i>	NT	-
<i>Rhipsalis crispata</i>	EN	B2ab(ii,iii,iv,v)
<i>Rhipsalis cuneata</i>	LC	-
<i>Rhipsalis dissimilis</i>	EN	B2ab(ii,iii,v)
<i>Rhipsalis elliptica</i>	LC	-
<i>Rhipsalis ewaldiana</i>	DD	-
<i>Rhipsalis floccosa</i>	LC	-
<i>Rhipsalis grandiflora</i>	LC	-
<i>Rhipsalis hoelleri</i>	DD	-
<i>Rhipsalis juengeri</i>	LC	-
<i>Rhipsalis lindbergiana</i>	LC	-
<i>Rhipsalis mesembryanthemoides</i>	CR	B1ab(iii,v)+2ab(iii,v)
<i>Rhipsalis micrantha</i>	LC	-
<i>Rhipsalis neves-armondii</i>	LC	-
<i>Rhipsalis oblonga</i>	VU	B2ab(ii,iii,iv,v)
<i>Rhipsalis occidentalis</i>	LC	-
<i>Rhipsalis olivifera</i>	NT	-
<i>Rhipsalis ormindoii</i>	NT	-
<i>Rhipsalis pacheco-leonis</i>	EN	B2ab(ii,iii,iv,v)
<i>Rhipsalis pachyptera</i>	LC	-
<i>Rhipsalis paradoxa</i>	LC	-
<i>Rhipsalis pentaptera</i>	CR	B1ab(iii,v)+2ab(iii,v)
<i>Rhipsalis pilocarpa</i>	VU	B2ab(ii,iii,iv)
<i>Rhipsalis pulchra</i>	LC	-
<i>Rhipsalis puniceodiscus</i>	LC	-
<i>Rhipsalis russellii</i>	VU	B2ab(ii,iii,iv,v)
<i>Rhipsalis sulcata</i>	DD	-

<i>Rhipsalis teres</i>	LC	-
<i>Rhipsalis triangularis</i>	CR	B1ab(iii)+2ab(iii)
<i>Rhipsalis trigona</i>	LC	-
<i>Samaipaticereus corroanus</i>	LC	-
<i>Schlumbergera kautskyi</i>	EN	B2ab(ii,iii,iv,v)
<i>Schlumbergera microsphaerica</i>	VU	D2
<i>Schlumbergera opuntoides</i>	VU	B2ab(ii,v)
<i>Schlumbergera orssichiana</i>	EN	B1ab(iii,v)
<i>Schlumbergera russelliana</i>	EN	B1ab(iii,v)
<i>Schlumbergera truncata</i>	VU	B1ab(iii,v)
<i>Sclerocactus brevihamatus</i>	LC	-
<i>Sclerocactus brevispinus</i>	CR	B1ab(iii,v)
<i>Sclerocactus erectocentrus</i>	LC	-
<i>Sclerocactus glaucus</i>	LC	-
<i>Sclerocactus intertextus</i>	LC	-
<i>Sclerocactus johnsonii</i>	LC	-
<i>Sclerocactus mariposensis</i>	LC	-
<i>Sclerocactus mesae-verdae</i>	LC	-
<i>Sclerocactus nyensis</i>	EN	B1ab(iii,iv)
<i>Sclerocactus papyracanthus</i>	LC	-
<i>Sclerocactus parviflorus</i>	LC	-
<i>Sclerocactus polyancistrus</i>	LC	-
<i>Sclerocactus pubispinus</i>	LC	-
<i>Sclerocactus scheeri</i>	LC	-
<i>Sclerocactus sileri</i>	VU	A4ac
<i>Sclerocactus spinosior</i>	LC	-
<i>Sclerocactus uncinatus</i>	LC	-
<i>Sclerocactus unguispinus</i>	LC	-
<i>Sclerocactus warnockii</i>	LC	-
<i>Sclerocactus wetlandicus</i>	LC	-
<i>Sclerocactus whipplei</i>	LC	-
<i>Sclerocactus wrightiae</i>	NT	-
<i>Selenicereus anthonyanus</i>	LC	-
<i>Selenicereus atropilosus</i>	EN	B1ab(iii)
<i>Selenicereus chrysocardium</i>	DD	-
<i>Selenicereus grandiflorus</i>	LC	-
<i>Selenicereus hamatus</i>	LC	-
<i>Selenicereus inermis</i>	LC	-
<i>Selenicereus murrillii</i>	VU	B1ab(iii,iv,v)
<i>Selenicereus nelsonii</i>	DD	-
<i>Selenicereus pteranthus</i>	DD	-
<i>Selenicereus spinulosus</i>	LC	-
<i>Selenicereus vagans</i>	LC	-
<i>Selenicereus validus</i>	LC	-
<i>Siccobaccatus dolichospermaticus</i>	NT	-
<i>Siccobaccatus estevesii</i>	LC	-

<i>Sicobaccatus insigniflorus</i>	EN	B1ab(iii,v)
<i>Stenocactus coptonogonus</i>	LC	-
<i>Stenocactus crispatus</i>	DD	-
<i>Stenocactus multicosatus</i>	DD	-
<i>Stenocactus obvallatus</i>	DD	-
<i>Stenocactus ochoterenanus</i>	DD	-
<i>Stenocactus phyllacanthus</i>	DD	-
<i>Stenocactus sulphureus</i>	DD	-
<i>Stenocactus vaupelianus</i>	DD	-
<i>Stenocereus alamosensis</i>	VU	A2c
<i>Stenocereus aragonii</i>	LC	-
<i>Stenocereus beneckeii</i>	NT	-
<i>Stenocereus chacalapensis</i>	CR	C2a(i); D
<i>Stenocereus chrysocarpus</i>	EN	B1ab(v)
<i>Stenocereus dumortieri</i>	LC	-
<i>Stenocereus eichlamii</i>	DD	-
<i>Stenocereus eruca</i>	LC	-
<i>Stenocereus fimbriatus</i>	LC	-
<i>Stenocereus fricii</i>	LC	-
<i>Stenocereus griseus</i>	LC	-
<i>Stenocereus gummosus</i>	LC	-
<i>Stenocereus humilis</i>	EN	B1ab(iii)+2ab(iii)
<i>Stenocereus kerberi</i>	LC	-
<i>Stenocereus martinezii</i>	EN	B1ab(i,iii)
<i>Stenocereus montanus</i>	LC	-
<i>Stenocereus pruinosus</i>	LC	-
<i>Stenocereus queretaroensis</i>	LC	-
<i>Stenocereus quevedonis</i>	LC	-
<i>Stenocereus standleyi</i>	LC	-
<i>Stenocereus stellatus</i>	LC	-
<i>Stenocereus thurberi</i>	LC	-
<i>Stenocereus treleasei</i>	LC	-
<i>Stephanocereus leucostele</i>	LC	-
<i>Stephanocereus luetzelburgii</i>	LC	-
<i>Stetsonia coryne</i>	LC	-
<i>Strophocactus chontalensis</i>	NE	-
<i>Strombocactus disciformis</i>	VU	B1ab(v)
<i>Strophocactus testudo</i>	LC	-
<i>Strophocactus wittii</i>	LC	-
<i>Tacinga braunii</i>	VU	B1ab(iii)
<i>Tacinga estevesii</i>	EN	B1ab(iii,v)
<i>Tacinga funalis</i>	LC	-
<i>Tacinga inamoena</i>	LC	-
<i>Tacinga palmadora</i>	LC	-
<i>Tacinga saxatilis</i>	LC	-
<i>Tacinga subcylindrica</i>	EN	B1ab(iii,v); C2a(i)

<i>Tacinga werneri</i>	LC	-
<i>Tephrocactus alexanderi</i>	LC	-
<i>Tephrocactus aoracanthus</i>	LC	-
<i>Tephrocactus articulatus</i>	LC	-
<i>Tephrocactus bonnieae</i>	EN	B1ab(v)+2ab(v)
<i>Tephrocactus molinensis</i>	LC	-
<i>Tephrocactus nigrispinus</i>	LC	-
<i>Tephrocactus weberi</i>	LC	-
<i>Thelocactus bicolor</i>	LC	-
<i>Thelocactus buekii</i>	LC	-
<i>Thelocactus conothelos</i>	LC	-
<i>Thelocactus hastifer</i>	EN	B1ab(iii,v)
<i>Thelocactus hexaedrophorus</i>	LC	-
<i>Thelocactus lausseri</i>	DD	-
<i>Thelocactus leucacanthus</i>	LC	-
<i>Thelocactus maddowellii</i>	NT	-
<i>Thelocactus multicephalus</i>	LC	-
<i>Thelocactus rinconensis</i>	LC	-
<i>Thelocactus setispinus</i>	LC	-
<i>Thelocactus tulensis</i>	LC	-
<i>Tunilla corrugata</i>	LC	-
<i>Tunilla erectoclada</i>	DD	-
<i>Tunilla microdisca</i>	DD	-
<i>Tunilla soehrensii</i>	LC	-
<i>Tunilla tilcarensis</i>	LC	-
<i>Turbinicarpus alonsoi</i>	CR	B1ab(v)+2ab(v)
<i>Turbinicarpus beguinii</i>	LC	-
<i>Turbinicarpus gielsdorfianus</i>	CR	B1ab(iii,v)
<i>Turbinicarpus hoferi</i>	CR	B1ab(v)+2ab(v)
<i>Turbinicarpus horripilus</i>	EN	B1ab(v)+2ab(v)
<i>Turbinicarpus laui</i>	CR	B2ab(iii,v)
<i>Turbinicarpus lophophoroides</i>	NT	-
<i>Turbinicarpus mandragora</i>	CR	B1ab(v)+2ab(v)
<i>Turbinicarpus pseudomacrolele</i>	EN	B1ab(iii,v)+2ab(iii,v)
<i>Turbinicarpus pseudopectinatus</i>	LC	-
<i>Turbinicarpus saueri</i>	VU	B1ab(v)
<i>Turbinicarpus schmiedickeanus</i>	NT	-
<i>Turbinicarpus subterraneus</i>	EN	B1ab(v)
<i>Turbinicarpus swobodae</i>	CR	B1ab(v)+2ab(v)
<i>Turbinicarpus valdezianus</i>	VU	A2acd
<i>Turbinicarpus viereckii</i>	LC	-
<i>Uebelmannia buiningii</i>	CR	B1ab(iii,iv,v)
<i>Uebelmannia gummitera</i>	EN	B1ab(iii)
<i>Uebelmannia pectinifera</i>	EN	B1ab(iii,v)
<i>Weberbauerocereus albus</i>	LC	-
<i>Weberbauerocereus cephalomacrostibas</i>	EN	A2c; B1ab(i,iii,v)

<i>Weberbauerocereus churinensis</i>	LC	-
<i>Weberbauerocereus cuzcoensis</i>	LC	-
<i>Weberbauerocereus rauhii</i>	LC	-
<i>Weberbauerocereus weberbaueri</i>	LC	-
<i>Weberbauerocereus winterianus</i>	LC	-
<i>Weberocereus bradei</i>	VU	B1ab(iii)
<i>Weberocereus frohningiorum</i>	CR	D
<i>Weberocereus glaber</i>	LC	-
<i>Weberocereus imitans</i>	EN	B1ab(iii)
<i>Weberocereus rosei</i>	DD	-
<i>Weberocereus tonduzii</i>	VU	B1ab(iii)
<i>Weberocereus trichophorus</i>	EN	B1ab(iii)
<i>Weberocereus tunilla</i>	LC	-
<i>Yavia cryptocarpa</i>	EN	B1ab(v)
<i>Yungasocereus inquisivensis</i>	LC	-

Supplementary Table 3. Threat process affecting cactus species.

Threat process	% of species
Agriculture & aquaculture	57
Biological resource use	54
Residential & commercial development	28
Energy production & mining	18
Natural system modifications	14
Invasive species	9
Transportation & service corridors	9
Human intrusions & disturbance	7
Climate change	5
Pollution	2
Geological events	1

Supplementary Table 4. Threat drivers affecting threatened cactus species.

Threat driver	% of threatened species
Gathering plants	47
Livestock small-holder	31
Small-holder farming	24
Housing & urban areas	24
Mining & quarrying	16
Increase in fire	12
Annuals agro-industry farming	11
Wood agro-industry plantations	10
Tourism & recreation areas	7
Invasive species	7
Nomadic grazing	6
Logging & wood harvesting (bycatch - small scale)	6
Problematic native species	4
Agro-industry grazing, ranching or farming	3
Logging (bycatch - large scale)	2
Dams	2
Annuals (scale unknown)	1
Industrial aquaculture	1
Annual small-holder plantations	1
Wood (scale unknown/unrecorded)	1
Logging (motivation unknown)	1
Commercial & industrial areas	1
Livestock farming & ranching (scale unknown)	0.9
Logging & wood harvesting (intentional)	0.9
Renewable energy	0.7
Oil & gas drilling	0.5
Gathering terrestrial plants (persecution)	0.5
Gathering terrestrial plants (bycatch)	0.5
Shifting agriculture	0.5
Fire suppression	0.2

Supplementary Table 5. Uses for cactus species.

Use	% of species
Horticulture	46
Food for human	10
Medicine (human and veterinary)	4
Construction materials	4
Food for animal	3
Handicrafts	2
Fuel	1
Other	1
Other household goods	0
Other chemicals	0

Supplementary Table 6. Uses for threatened cactus species.

Use	% of threatened species
Horticulture	57
Food for human	6
Medicine (human and veterinary)	3
Food for animal	2
Handicrafts	2
Other	1
Construction	1
Fuel	0.7
Other household goods	0.5

Supplementary Table 7. Top candidate models for cactus species height analysis ($\Delta AIC < 6$).

Model	df	delta AIC	Weight
Category + Diameter + Elevation	8	0.00	0.468
Category + Diameter + Elevation + Utilized	10	0.44	0.376
Category + Diameter + Elevation + ln PA	10	3.62	0.076
Category + Diameter + Elevation + Utilized + ln PA	12	4.05	0.062

Supplementary Table 8. Results of GLM model for cactus species height.

Factor	Level	Parameter Estimate	Standard Error	z-value	p-value	Significance
Intercept		2.89617	0.29712	9.72	<0.0001	***
Category	EN	0.68318	0.30878	2.205	0.027458	*
	LC	0.76449	0.27263	2.795	0.005194	**
	NT	0.08317	0.40039	0.207	0.835997	
	VU	0.07219	0.33347	0.216	0.829187	
Diameter		1.85079	0.14336	12.866	< 0.0001	***
Mean Elevation		-0.50609	0.14187	3.555	0.000378	***
Utilized	Unknown	0.10881	0.41623	0.261	0.794472	
	Yes	-0.28071	0.16074	1.74	0.081799	.
In PA	Unknown	0.26569	0.36369	0.728	0.466596	
	Yes	0.05665	0.1645	0.343	0.731445	

Significance codes: > 0.001 ***, > 0.01 **, > 0.05 *, > 0.1.

Base levels: Category - CR, Utilized - No, In PA - No

Supplementary Table 9. Results of CLM model for factors affecting the IUCN category of cactus species.

Factor	Level	Parameter Estimate	Standard Error	z-value	p-value	Significance
In PA	Unknown	1.08700	0.42070	2.58500	0.00975	**
	Yes	0.72240	0.17530	4.12200	0.00004	***
Elevation		0.00016	0.00008	1.90000	0.05739	.
Height		0.00026	0.00013	1.98600	0.04702	*

Significance codes: > 0.001 ***, > 0.01 **, > 0.05 *, > 0.1.

Base levels: In PA - No

Supplementary Table 10. Number of cactus species assessed under the different IUCN Red List Criteria. Only Criteria met were considered.

Criterion	Number of species assessed
A	70
B	305
C	31
D	47
E	0