

Supplementary material of 'A new proposal for a statistically-derived biogeographical regionalization of Algeria, North Africa', by Djilali Tahri et al. (2026). *Mediterr. Bot.* 47(1), e103205. <https://doi.org/10.5209/mbot.103205>

Appendix S1. List of bioclimatic variables used in the environmental clustering.

Variable abbreviation	Description	Units	Sources
AI	Thornthwaite aridity index: Index of the degree of water deficit below water need.	-	ENVIREM
Elev	Elevation.	m	ALOS World 3D
Bio1	Annual Mean Temperature.	°C	WorldClim
Bio2	Mean Diurnal Range (Mean of monthly (max temp - min temp)).	°C	WorldClim
Bio3	Isothermality (BIO2/BIO7) (×100).	-	WorldClim
Bio4	TemperatureSeasonality (standard deviation ×100).	-	WorldClim
Bio5	Max Temperature of Warmest Month.	°C	WorldClim
Bio6	Min Temperature of Coldest Month.	°C	WorldClim
Bio7	Temperature Annual Range (BIO5-BIO6).	°C	WorldClim
Bio8	Mean Temperature of Wettest Quarter.	°C	WorldClim
Bio9	Mean Temperature of Driest Quarter.	°C	WorldClim
Bio10	Mean Temperature of Warmest Quarter.	°C	WorldClim
Bio11	Mean Temperature of Coldest Quarter.	°C	WorldClim
Bio12	Annual Precipitation.	mm	WorldClim
Bio13	Precipitation of WettestMonth.	mm	WorldClim
Bio14	Precipitation of DriestMonth.	mm	WorldClim
Bio15	Precipitation Seasonality (Coefficient of Variation).	-	WorldClim
Bio16	Precipitation of Wettest Quarter.	mm	WorldClim
Bio17	Precipitation of Driest Quarter.	mm	WorldClim
Bio18	Precipitation of Warmest Quarter.	mm	WorldClim
Bio19	Precipitation of Coldest Quarter.	mm	WorldClim
CV-EVI	Coefficient of variation: Normalized dispersion of Enhanced Vegetation Index (EVI)	-	EarthEnv
Even-EVI	Evenness of EVI.	-	EarthEnv
Range	Range of EVI.	-	EarthEnv
Shann	Diversity (Shannon) of EVI	-	EarthEnv
Cont	Continentality: average temp. of warmest month - average temp. of coldest month.	°C	EarthEnv
Degd	GrowingDegDays0: sum of mean monthly temperature for months with mean temperature greater than 0°C multiplied by number of days.	-	EarthEnv
Degd1	GrowingDegDays5: sum of mean monthly temperature for months with mean temperature greater than 5°C multiplied by number of days.	-	EarthEnv
Ember	EmbergerQ: Emberger'spluviothermic quotient: a metric that was designed to differentiate among Mediterranean type climates.	-	EarthEnv
Moist	ClimaticMoistureIndex: a metric of relative wetness and aridity.	-	EarthEnv
PET	AnnualPET: annual potential evapotranspiration: a measure of the ability of the atmosphere to remove water through evapotranspiration processes, given unlimited moisture.	mm/year	EarthEnv
Cold	MaxTempColdestMonth: maximum temperature of the coldest month.	°C	EarthEnv
pH _{water}	Soil pH (water).	-	SoilGrids

SOC	Organic carbon content at a depth interval of 0–30 cm.	dg/kg	SoilGrids
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Appendix S2. Covariance matrices of selected variables for the different studied sectors.

Table 1: Covariance matrix of selected variables for sub-clustering of the Algero-Kabylo-Annabian sector.

	AI	Elev (m)	bio7 (°C)	bio14 (mm)	bio15	bio18 (mm)	CV-EVI	Even-EVI	SOC (dg/kg)
AI	1	0.04	0.33	0.09	0.35	0.12	0.01	0.26	0.04
Elev (m)		1	0.36	0.39	-0.24	0.14	-0.10	0.06	0.44
bio7 (°C)			1	0.06	-0.01	-0.20	0.05	0.17	-0.08
bio14 (mm)				1	-0.22	0.60	-0.06	0.03	0.25
bio15					1	0.24	-0.18	0.10	0.16
bio18 (mm)						1	-0.15	0.05	0.32
CV-EVI							1	0.30	-0.35
Even-EVI								1	0.06
SOC (dg/kg)									1

AI: Thornthwaite aridity index, Elev: Elevation, bio7: Temperature Annual Range, bio14: Precipitation of Driest Month, bio15: Precipitation Seasonality (Coefficient of Variation), bio18: Precipitation of Warmest Quarter, CV-EVI: Coefficient of variation of Enhanced Vegetation Index, Even-EVI: Evenness of Enhanced Vegetation Index, SOC: Soil organic carbon at a depth interval of 0-30 cm.

Table 2: Covariance matrix of selected variables for sub-clustering of the Naïli-Constantinian sector.

	AI	Elev (m)	bio8 (°C)	bio14 (mm)	Cont (°C)	Even-EVI	Moist	pH _{water}	SOC (dg/kg)
AI	1	-0.11	0.03	-0.43	0.17	-0.10	-0.44	0.18	-0.24
Elev (m)		1	-0.12	0.49	0.48	-0.13	-0.38	0.23	0.16
bio8 (°C)			1	0.34	0.00	-0.15	-0.42	0.22	-0.33
bio14 (mm)				1	0.14	-0.08	-0.35	0.24	-0.07
Cont (°C)					1	-0.05	-0.30	0.16	-0.06
Even-EVI						1	0.25	-0.12	-0.03
Moist							1	-0.49	0.47
pH water								1	-0.04
SOC (dg/kg)									1

AI: Thornthwaite aridity index, Elev: Elevation, bio8: Mean Temperature of Wettest Quarter, bio14: Precipitation of Driest Month, Cont: continentality (average temperature of warmest month - average temperature of coldest month), Even-EVI: Evenness of Enhanced Vegetation Index, Moist: climatic Moisture Index, pH_{water}: Soil pH_{water} at a depth interval of 0-30 cm, SOC: Soil organic carbon at a depth interval of 0-30 cm.

Table 3: Covariance matrix of selected variables for sub-clustering of the Wahranian sector.

	AI	Elev (m)	bio7 (°C)	bio15	bio16 (mm)	bio18 (mm)	CV-EVI	Even-EVI	pH _{water}	SOC (dg/kg)
AI	1	0.03	0.22	0.24	0.13	0.09	0.01	0.14	0.10	0.03
Elev (m)		1	0.48	-0.38	0.46	0.36	-0.16	0.06	0.11	0.24
bio7 (°C)			1	0.07	0.39	0.34	0.03	0.27	0.23	0.02
bio15				1	0.37	-0.28	0.12	0.24	0.09	-0.002
bio16 (mm)					1	0.35	-0.02	0.20	0.11	0.30
bio18 (mm)						1	0.01	0.20	0.13	0.19
CV-EVI							1	0.29	-0.15	-0.17

Even-EVI	1	0.30	-0.02
pH water		1	0.48
SOC (dg/kg)			1

AI: Thornthwaite aridity index, Elev: Elevation, bio7: Temperature Annual Range, bio15: Precipitation Seasonality (Coefficient of Variation), bio16: Precipitation of Wettest Quarter, bio18: Precipitation of Warmest Quarter, CV-EVI: Coefficient of variation of Enhanced Vegetation Index, Even-EVI: Evenness of Enhanced Vegetation Index, pH_{water}: Soil pH_{water} at a depth interval of 0-30 cm, SOC: Soil organic carbon at a depth interval of 0-30 cm.

Table 4: Covariance matrix of selected variables for sub-clustering of the Steppic sector.

	AI	Elev (m)	bio2 (°C)	bio14 (mm)	bio15	CV-EVI	pH water	SOC (dg/kg)
AI	1	-0.39	-0.01	-0.47	-0.49	-0.22	0.40	-0.50
Elev (m)		1	-0.05	0.20	0.004	-0.25	-0.07	0.23
bio2 (°C)			1	-0.08	-0.06	0.04	0.05	-0.41
bio14 (mm)				1	-0.32	0.09	-0.12	0.32
bio15					1	0.26	-0.38	0.26
CV-EVI						1	-0.23	0.01
pH water							1	-0.13
SOC (dg/kg)								1

AI: Thornthwaite aridity index, Elev: Elevation, bio2: Mean Diurnal Range (Mean of monthly (max temp - min temp)), bio14: Precipitation of Driest Month, bio15: Precipitation Seasonality (Coefficient of Variation), CV-EVI: Coefficient of variation of Enhanced Vegetation Index, pH_{water}: Soil pH_{water} at a depth interval of 0-30 cm, SOC: Soil organic carbon at a depth interval of 0-30 cm.

Table 5: Covariance matrix of selected variables for sub-clustering of the Northern Saharan sector.

	AI	Elev (m)	bio4	bio8 (°C)	bio15	CV-EVI	Even-EVI	pH water	SOC (dg/kg)
AI	1	-0.26	0.13	0.15	0.35	-0.13	-0.03	0.14	-0.45
Elev (m)		1	-0.07	0.01	-0.06	-0.02	0.11	0.12	-0.22
bio4			1	-0.26	-0.44	-0.18	-0.11	0.23	-0.03
bio8 (°C)				1	0.16	0.17	0.08	-0.06	-0.07
bio15					1	-0.001	-0.001	-0.22	-0.28
CV-EVI						1	0.40	-0.08	0.15
Even-EVI							1	0.01	0.07
pH water								1	0.01
SOC (dg/kg)									1

AI: Thornthwaite aridity index, Elev: Elevation, bio4: Temperature Seasonality (standard deviation ×100), bio8: Mean Temperature of Wettest Quarter, bio15: Precipitation Seasonality (Coefficient of Variation), CV-EVI: Coefficient of variation of Enhanced Vegetation Index, Even-EVI: Evenness of Enhanced Vegetation Index, pH_{water}: Soil pH_{water} at a depth interval of 0-30 cm, SOC: Soil organic carbon at a depth interval of 0-30 cm.

Table 6: Covariance matrix of selected variables for sub-clustering of the Central Saharan sector.

	bio3	bio6 (°C)	bio8 (°C)	bio15	bio18 (mm)	CV-EVI	Even-EVI	SOC (dg/kg)
bio3	1	-0.03	0.44	-0.06	0.03	-0.12	-0.16	-0.51
bio6 (°C)		1	0.43	0.11	-0.30	-0.03	0.02	-0.20
bio8 (°C)			1	-0.02	0.37	-0.01	0.01	-0.11
bio15				1	-0.05	0.00	0.03	-0.10
bio18 (mm)					1	0.16	0.11	0.43

CV-EVI	1	0.50	0.17
Even-EVI		1	0.17
SOC (dg/kg)			1

bio3: Isothermality, bio6: Min Temperature of Coldest Month, bio8: Mean Temperature of Wettest Quarter, bio15: Precipitation Seasonality (Coefficient of Variation), bio18: Precipitation of Warmest Quarter, CV-EVI: Coefficient of variation of Enhanced Vegetation Index, Even-EVI: Evenness of Enhanced Vegetation Index, SOC: Soil organic carbon at a depth interval of 0-30 cm.

Appendix S3. Matrices of p-values and R² values from ANOSIM comparing Algerian sectors.

Table 1: Matrix of *p*-values from the ANOSIM test ($P \leq 0.05$) comparing Algerian sectors.

	Algero-Kabylo-Annabian	Naïli-Constantinian	Wahranian	Steppic	Northern Saharan	Central Saharan	Tanezrouftian	In Guezzamian
Algero-Kabylo-Annabian		0.0171	0.1428	0.0266	0.0099	0.0086	0.009	0.0079
Naïli-Constantinian	0.0171		0.2186	0.0226	0.0239	0.0332	0.0508	0.0475
Wahranian	0.1428	0.2186		0.1247	0.0325	0.0144	0.0058	0.0077
Steppic	0.0266	0.0226	0.1247		0.2956	0.0087	0.169	0.1699
Northern Saharan	0.0099	0.0239	0.0325	0.2956		0.07	0.0071	0.0081
Central Saharan	0.0086	0.0332	0.0144	0.0087	0.07		0.0073	0.0097
Tanezrouftian	0.009	0.0508	0.0058	0.169	0.0071	0.0073		0.008
In Guezzamian	0.0079	0.0475	0.0077	0.1699	0.0081	0.0097	0.008	

Table 2: Matrix of R² from the ANOSIM test comparing Algerian sectors.

	Algero-Kabylo-Annabian	Naïli-Constantinian	Wahranian	Steppic	Northern Saharan	Central Saharan	Tanezrouftian	In Guezzamian
Algero-Kabylo-Annabian		0.254	0.16	0.28	0.28	0.28	0.28	0.28
Naïli-Constantinian	0.254		0.032	0.09	0.08	0.124	0.08	0.08
Wahranian	0.16	0.032		0.152	0.192	0.216	0.28	0.28
Steppic	0.28	0.09	0.152		0.08	0.272	0.1	0.1
Northern Saharan	0.28	0.08	0.192	0.08		0.272	0.48	0.48
Central Saharan	0.28	0.124	0.216	0.272	0.272		0.4	0.4
Tanezrouftian	0.28	0.08	0.28	0.1	0.48	0.4		1
In Guezzamian	0.28	0.08	0.28	0.1	0.48	0.4	1	

Appendix S4. Lists of endemic species for the different sectors.

Table 1: List of endemic and indicative species of the Algero-Kabylo-Annabian sector.

	IndVal (%)	p-value
<i>Abies numidica</i> Carrière	80	0.1216
<i>Allium trichocnemis</i> J. Gay	100	0.1216
<i>Ammoides atlantica</i> (Coss. & Durieu) H. Wolff	100	0.1216
<i>Anthemis maritima</i> subsp. <i>bolosii</i> Benedi & Molero	100	0.1216
<i>Anthemis maritima</i> subsp. <i>pseudopunctata</i> Oberpr.	100	0.1216
<i>Anthemis punctata</i> subsp. <i>kabylica</i> (Batt.) Oberpr.	100	0.1216
<i>Arabis doumetii</i> Coss.	100	0.1216
<i>Aristolochia fontanesii</i> Boiss. & Reut.	60	0.1216
<i>Artemisia alba</i> subsp. <i>kabylica</i> (Chabert) Greuter	100	0.1216
<i>Avena macrostachya</i> Balansa ex Coss. & Durieu	36.36	0.2498
<i>Brassica fruticulosa</i> subsp. <i>numidica</i> (Coss.) Maire	100	0.1216
<i>Bunium chabertii</i> (Batt.) Batt.	100	0.1216
<i>Bupleurum plantagineum</i> Desf.	100	0.1216
<i>Calamintha hispidula</i> Boiss. & Reut.	100	0.1216
<i>Calamintha nervosa</i> Pomel	100	0.1216
<i>Calendula suffruticosa</i> subsp. <i>monardii</i> (Boiss. & Reut.) Ohle	100	0.1216
<i>Campanula baborensis</i> Quézel	100	0.1216
<i>Carduus numidicus</i> Durieu	50	0.2498
<i>Carthamus strictus</i> (Pomel) Batt.	100	0.1216
<i>Cirsium kirbense</i> Pomel	33.33	0.3741
<i>Coronilla valentina</i> subsp. <i>speciosa</i> (Uhrová) Greuter & Burdet	60	0.1216
<i>Corydalis solida</i> subsp. <i>bracteosa</i> (Batt. & Trab.) Greuter & Burdet	100	0.1216
<i>Crepis faureliana</i> Maire	50	0.2498
<i>Crepis pulchra</i> subsp. <i>africana</i> Babcock	100	0.1216
<i>Cyclamen repandum</i> var. <i>baborense</i> Batt. ex Debussche & Quézel	100	0.1216
<i>Cynoglossum gymnantrum</i> (Coss.) Greuter & Burdet	100	0.1216
<i>Dactylorhiza maculata</i> subsp. <i>battandieri</i> (Raynaud) Baumann & Künkele	100	0.1216
<i>Daucus gracilis</i> Steinh.	50	0.2498
<i>Dianthus sylvestris</i> subsp. <i>aristidis</i> (Batt.) Greuter & Burdet	100	0.1216
<i>Digitalis atlantica</i> Pomel	100	0.1216
<i>Epimedium perralderianum</i> Coss.	100	0.1216
<i>Erica numidica</i> (Maire) Romo & Borat.	100	0.1216
<i>Erodium battandierianum</i> Rouy	87.5	0.1216
<i>Erodium malacoides</i> subsp. <i>floribundum</i> (Batt.) Batt.	60	0.1216
<i>Erodium medeense</i> Batt.	75	0.1216
<i>Erysimum cheiri</i> subsp. <i>inexpectans</i> Véla, Ouarmim & Dubset	100	0.1216
<i>Fedia graciliflora</i> subsp. <i>calycina</i> (Maire) Mathez & Xena	100	0.1216
<i>Fedia graciliflora</i> subsp. <i>sulcata</i> (Pomel) Mathez & Xena	100	0.1216
<i>Festuca algeriensis</i> Trab.	50	0.2498
<i>Festuca atlantica</i> Duval-Jouve ex Clauson subsp. <i>atlantica</i>	100	0.1216
<i>Festuca djurdjurae</i> (Trab.) Romo	100	0.1216
<i>Fumaria capitata</i> Lidén	100	0.1216
<i>Fumaria dubia</i> Pugsley	100	0.1216
<i>Fumaria mairei</i> Pugsley ex Maire subsp. <i>mairei</i>	100	0.1216
<i>Fumaria mairei</i> subsp. <i>saxicola</i> Lidén	100	0.1216
<i>Fumaria normanii</i> Pugsley	100	0.1216
<i>Galium perralderii</i> Batt.	100	0.1216
<i>Genista numidica</i> subsp. <i>filiramea</i> (Pomel) Batt.	100	0.1216
<i>Genista numidica</i> Spach subsp. <i>numidica</i>	100	0.1216
<i>Genista numidica</i> subsp. <i>sarotes</i> (Pomel) Batt.	100	0.1216
<i>Genista triacanthos</i> subsp. <i>vepres</i> (Pomel) P. E. Gibbs	100	0.1216
<i>Heracleum sphondylium</i> subsp. <i>algeriense</i> (Coss. ex Batt. & Trab.) Dobignard	33.33	0.2498
<i>Hieracium cerinthoides</i> subsp. <i>ernesti</i> (Maire) Greuter	100	0.1216
<i>Hieracium grandifolium</i> Sch. Bip.	100	0.1216
<i>Hypochaeris saldensis</i> Batt.	100	0.1216
<i>Iberis peyerimhoffii</i> Maire	100	0.1216

<i>Isoetes longissima</i> subsp. <i>perralderiana</i> (Milde) Troia & Greuter	100	0.1216
<i>Jacobaea gallerandiana</i> (Coss. & Durieu) Pelser	50	0.2498
<i>Kickxia elatinoides</i> (Desf.) Rothm.	20	0.3741
<i>Legousia juliani</i> (Batt.) Briq.	100	0.1216
<i>Leontodon djurdjurae</i> Batt.	66.67	0.1216
<i>Limonium gougetianum</i> subsp. <i>multiceps</i> (Pomel) Greuter & Burdet	50	0.2459
<i>Linaria decipiens</i> Batt.	75	0.1216
<i>Linaria parviracemosa</i> D. A. Sutton	100	0.1216
<i>Lonicera kabylica</i> (Batt.) Rehder	100	0.1216
<i>Malope malacoides</i> subsp. <i>asterotricha</i> (Pomel) Greuter & Burdet	33.33	0.2498
<i>Moehringia stellarioides</i> Coss.	75	0.1216
<i>Myosotis speciosa</i> Pomel	75	0.1216
<i>Noccaea atlantica</i> (Batt.) Al-Shehbaz	100	0.1216
<i>Odontites discolor</i> subsp. <i>ciliatus</i> (Pomel) Bolliger	100	0.1216
<i>Odontites discolor</i> Pomel subsp. <i>discolor</i>	100	0.1216
<i>Ononis alba</i> subsp. <i>monophylla</i> (Desf.) Murb.	50	0.1216
<i>Ononis clausonis</i> (Pomel) Pomel	100	0.1216
<i>Ononis serotina</i> Pomel	40	0.2459
<i>Onopordum algeriense</i> (Munby) Pomel	100	0.1216
<i>Origanum floribundum</i> Munby	100	0.1216
<i>Paeonia algeriensis</i> Chabert	100	0.1216
<i>Pedicularis numidica</i> Pomel	100	0.1216
<i>Pimpinella battandieri</i> Chabert	100	0.1216
<i>Potentilla caulescens</i> subsp. <i>djurdjurae</i> (Chabert) Romo	75	0.1216
<i>Romulea penzigii</i> Bég.	100	0.1216
<i>Rumex algeriensis</i> Barratte & Murb.	100	0.1216
<i>Rupicapnos africana</i> subsp. <i>cerefolia</i> (Pomel) Maire	100	0.1216
<i>Salvia balansae</i> de Noé ex Coss.	25	0.3741
<i>Saxifraga numidica</i> Maire	100	0.1216
<i>Sedum multiceps</i> Coss. & Durieu	100	0.1216
<i>Sideritis guyoniana</i> Boiss. & Reut.	11.11	0.4948
<i>Silene aristidis</i> Pomel	100	0.1216
<i>Silene choulettii</i> Coss.	40	0.2498
<i>Silene colorata</i> subsp. <i>amphorina</i> (Pomel) Batt.	100	0.1216
<i>Silene ghiarensis</i> Batt.	20	0.3741
<i>Silene reverchonii</i> Batt.	100	0.1216
<i>Silene sessionis</i> Batt.	100	0.1216
<i>Sorghum annuum</i> (Trab.) Maire	100	0.1216
<i>Stachys mialhesi</i> de Noé	66.67	0.1216
<i>Teucrium kabylicum</i> Batt.	100	0.1216
<i>Thymus lanceolatus</i> Desf.	25	0.3705
<i>Verbascum fontanesii</i> Benedí	16.67	0.3705
<i>Vicia ochroleuca</i> subsp. <i>atlantica</i> (Pomel) Greuter & Burdet	66.67	0.1216
<i>Vicia ochroleuca</i> subsp. <i>baborensis</i> (Batt. & Trab.) Greuter & Burdet	100	0.1216
<i>Vulpia geniculata</i> subsp. <i>monanthera</i> (Maire) Maire	75	0.1216
<i>Vulpia obtusa</i> Trab.	100	0.1216

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 2: List of endemic and indicative species of the Naïli-Constantinian sector.

	IndVal (%)	p-value
<i>Abies numidica</i> Carrière	20	0.2499
<i>Agropyropsis lolium</i> (Balansa ex Coss. & Durieu) A. Camus	100	0.1241
<i>Alyssum luteolum</i> Pomel	100	0.1241
<i>Aristolochia fontanesii</i> Boiss. & Reut.	20	0.375
<i>Artemisia algeriensis</i> Filatova	100	0.1241
<i>Asyneuma rigidum</i> subsp. <i>aurasiacum</i> (Batt. & Trab.) Damboldt	100	0.1241
<i>Avena macrostachya</i> Balansa ex Coss. & Durieu	54.55	0.1241
<i>Biscutella raphanifolia</i> var. <i>algeriensis</i> (Jord.) A. Vicente, M. A. Alonso & M. B. Crespo	75	0.1241
<i>Bunium elatum</i> (Batt.) Batt.	50	0.2465
<i>Campanula jurjurenensis</i> Pomel	100	0.1241
<i>Campanula numidica</i> Durieu	100	0.1241
<i>Carduus numidicus</i> Durieu	50	0.2499
<i>Centaurea djebel-amouri</i> Greuter	100	0.1241
<i>Centaurea ferox</i> Desf.	33.33	0.3716
<i>Centaurea tougourensis</i> Boiss. & Reut.	50	0.1241
<i>Cirsium kirbense</i> Pomel	33.33	0.375
<i>Coronilla valentina</i> subsp. <i>speciosa</i> (Uhrová) Greuter & Burdet	40	0.2499
<i>Crepis claryi</i> Batt.	100	0.1241
<i>Crepis faureliana</i> Maire	50	0.2499
<i>Daucus gracilis</i> Steinh.	50	0.2499
<i>Diplotaxis erucoides</i> subsp. <i>cossoniana</i> (Reut. ex Boiss.) Mart.-Laborde	33.33	0.2465
<i>Drimia anthericoides</i> (Poir.) Vêla & Bélair	100	0.1241
<i>Erodium battandierianum</i> Rouy	12.5	0.2499
<i>Erodium guinochetianum</i> Guitt.	66.67	0.1241
<i>Erodium malacoides</i> subsp. <i>floribundum</i> (Batt.) Batt.	40	0.2499
<i>Euphorbia hieroglyphica</i> Coss. & Durieu ex Boiss.	100	0.1241
<i>Festuca algeriensis</i> Trab.	50	0.2499
<i>Festuca aurasiaca</i> (Trab.) Trab.	100	0.1241
<i>Festuca trabutii</i> E. B. Alexeev	100	0.1241
<i>Galium numidicum</i> Pomel	100	0.1241
<i>Hedysarum naudinianum</i> Coss. & Durieu	83.33	0.1241
<i>Hedysarum perrauderianum</i> Coss. & Durieu	100	0.1241
<i>Helminthotheca balansae</i> (Coss. & Durieu) Lack	20	0.2492
<i>Heracleum sphondylium</i> subsp. <i>algeriense</i> (Coss. ex Batt. & Trab.) Dobignard	66.67	0.1241
<i>Heracleum sphondylium</i> subsp. <i>aurasiacum</i> (Maire) Dobignard	100	0.1241
<i>Herniaria oranensis</i> Chaudhri subsp. <i>oranensis</i>	100	0.1241
<i>Hieracium amplexicaule</i> subsp. <i>peyerimhoffii</i> (Maire) Zahn	100	0.1241
<i>Hieracium faurelianum</i> Maire	100	0.1241
<i>Hypochaeris claryi</i> Batt.	50	0.2465
<i>Jacobaea gallerandiana</i> (Coss. & Durieu) Pelsér	50	0.2499
<i>Juniperus thurifera</i> subsp. <i>aurasiaca</i> (Vêla & P. Schäf.) Vêla	100	0.1241
<i>Kickxia elatinoides</i> (Desf.) Rothm.	40	0.2492
<i>Leontodon balansae</i> Boiss.	66.67	0.1241
<i>Leontodon djurdjurae</i> Batt.	33.33	0.2499
<i>Lepidium rigidum</i> Pomel	100	0.1241
<i>Limonium cyrtostachyum</i> (Girard) Brullo	20	0.3816
<i>Linaria decipiens</i> Batt.	25	0.2499
<i>Malope malacoides</i> subsp. <i>asterotricha</i> (Pomel) Greuter & Burdet	66.67	0.1241
<i>Minuartia tenuissima</i> subsp. <i>numidica</i> (Maire) Greuter & Burdet	100	0.1241
<i>Moehringia stellarioides</i> Coss.	25	0.2499
<i>Myosotis speciosa</i> Pomel	25	0.2499
<i>Ononis alba</i> subsp. <i>monophylla</i> (Desf.) Murb.	25	0.375
<i>Ononis cephalantha</i> Pomel subsp. <i>cephalantha</i>	100	0.1241
<i>Plantago atlantica</i> Batt.	100	0.1241
<i>Potentilla caulescens</i> subsp. <i>djurdjurae</i> (Chabert) Romo	25	0.2499
<i>Romulea vaillantii</i> Quézel	100	0.1241
<i>Rupicapnos longipes</i> subsp. <i>aurasiaca</i> Maire ex Lidén	100	0.1241
<i>Rupicapnos longipes</i> subsp. <i>reboudiana</i> (Pomel) Lidén	100	0.1241

<i>Rupicapnos sarcocapnoides</i> (Coss. & Durieu) Pomel	100	0.1241
<i>Salsola cruciata</i> L. Chevall. ex Batt.	50	0.2565
<i>Salsola gypsacea</i> Botsch.	100	0.1241
<i>Salsola mairei</i> Botsch.	100	0.1241
<i>Salsola subglabra</i> Botsch.	100	0.1241
<i>Salvia balansae</i> de Noé ex Coss.	25	0.375
<i>Sideritis guyoniana</i> Boiss. & Reut.	11.11	0.4974
<i>Silene choulettii</i> Coss.	60	0.1241
<i>Silene cirtensis</i> Pomel	100	0.1241
<i>Silene ghiarensis</i> Batt.	40	0.2492
<i>Silene kremeri</i> Soy.-Will. & Godr.	100	0.1241
<i>Sinapis pubescens</i> subsp. <i>aristidis</i> (Pomel) Maire & Weiller	100	0.1241
<i>Sinapis pubescens</i> subsp. <i>indurata</i> (Coss.) Batt.	100	0.1241
<i>Stachys mialhesi</i> de Noé	33.33	0.2499
<i>Teucrium thymoides</i> Pomel	16.67	0.2465
<i>Thymus guyonii</i> de Noé	100	0.1241
<i>Thymus lanceolatus</i> Desf.	50	0.1241
<i>Tricholemma breviaristatum</i> (Barratte) Röser	100	0.1241
<i>Verbascum fontanesii</i> Benedí	66.67	0.1241
<i>Verbascum pinnatisectum</i> (Batt.) Benedí	100	0.1241
<i>Vicia ochroleuca</i> subsp. <i>atlantica</i> (Pomel) Greuter & Burdet	33.33	0.2499

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 3: List of endemic and indicative species of the Wahranian sector.

	IndVal (%)	<i>p</i> -value
<i>Adenocarpus umbellatus</i> Batt.	100	0.1279
<i>Anacyclus linearilobus</i> Boiss. & Reut.	66.67	0.1279
<i>Anthemis boveana</i> J. Gay	100	0.1279
<i>Anthemis stiparum</i> Pomel subsp. <i>stiparum</i>	100	0.1279
<i>Aristolochia fontanesii</i> Boiss. & Reut.	20	0.3782
<i>Astragalus reinii</i> subsp. <i>nemorosus</i> (Batt.) Maire	100	0.1279
<i>Bellevalia pomelii</i> Maire	100	0.1279
<i>Brassica fruticulosa</i> subsp. <i>pomeliana</i> Maire ex Greuter	100	0.1279
<i>Brassica spinescens</i> Pomel	100	0.1279
<i>Calamintha candidissima</i> (Munby) Benth.	100	0.1279
<i>Calendula suffruticosa</i> subsp. <i>balansae</i> (Boiss. & Reut.) Ohle	100	0.1279
<i>Centaurea ferox</i> Desf.	33.33	0.3748
<i>Cirsium kirbense</i> Pomel	33.33	0.3782
<i>Coleostephus multicaulis</i> (Desf.) Durieu	100	0.1279
<i>Corynephorus articulatus</i> subsp. <i>oranensis</i> (Murb.) Maire & Weiller	100	0.1279
<i>Crepis arenaria</i> subsp. <i>suberostis</i> (Batt.) Greuter	100	0.1279
<i>Erysimum semperflorens</i> subsp. <i>elatum</i> (Pomel) Maire	100	0.1279
<i>Genista numidica</i> subsp. <i>ischnoclada</i> (Pomel) Batt.	100	0.1279
<i>Genista spinulosa</i> Pomel	100	0.1279
<i>Helianthemum maritimum</i> Pomel	100	0.1279
<i>Helminthotheca balansae</i> (Coss. & Durieu) Lack	80	0.1279
<i>Kickxia elatinoides</i> (Desf.) Rothm.	40	0.2526
<i>Limonium afrum</i> (Pignatti) Domina	100	0.1279
<i>Limonium cyrtostachyum</i> (Girard) Brullo	60	0.1279
<i>Limonium gougetianum</i> subsp. <i>multiceps</i> (Pomel) Greuter & Burdet	50	0.2535
<i>Limonium letourneuxii</i> (Coss. ex Batt.) Greuter & Burdet	100	0.1279
<i>Malope malacoides</i> subsp. <i>laevigata</i> (Pomel) Greuter & Burdet	100	0.1279
<i>Mecomischnus pedunculatus</i> (Coss. & Durieu) Oberpr. & Greuter	100	0.1279
<i>Najas marina</i> subsp. <i>arsenariensis</i> (Maire) Triest	100	0.1279
<i>Ononis alba</i> subsp. <i>monophylla</i> (Desf.) Murb.	25	0.3782
<i>Ononis aurasiaca</i> Förther & Podlech	50	0.2501
<i>Ononis avellana</i> Pomel	100	0.1279
<i>Ononis megalostachys</i> Munby	100	0.1279
<i>Ononis serotina</i> Pomel	60	0.1279
<i>Pallenis maritima</i> subsp. <i>sericea</i> (Maire & Wilczek) Véla	100	0.1279

<i>Polygala rosea</i> Desf.	100	0.1279
<i>Pulicaria filaginoides</i> Pomel	100	0.1279
<i>Rupicapnos africana</i> (Lam.) Pomel subsp. <i>africana</i>	50	0.2501
<i>Rupicapnos africana</i> subsp. <i>oranensis</i> (Pugsley) Maire	100	0.1279
<i>Salvia balansae</i> de Noé ex Coss.	50	0.1279
<i>Sideritis guyoniana</i> Boiss. & Reut.	66.67	0.1279
<i>Sideritis maura</i> de Noé	100	0.1279
<i>Silene auriculifolia</i> Pomel	100	0.1279
<i>Silene ghiarensis</i> Batt.	40	0.2526
<i>Silene glaberrima</i> Faure & Maire	100	0.1279
<i>Sixalix cartenniana</i> (Pons & Quézel) Greuter & Burdet	100	0.1279
<i>Sonchus tenerrimus</i> subsp. <i>amicus</i> (Maire & Wilczek) Vêla	100	0.1279
<i>Spergularia pycnorhiza</i> Foucaud ex Batt.	100	0.1279
<i>Stachys saxicola</i> subsp. <i>chelifensis</i> Quézel & Simonn.	100	0.1279
<i>Teucrium aureiforme</i> Pomel	100	0.1279
<i>Teucrium santae</i> Quézel & Simonn. ex Greuter & Burdet	100	0.1279
<i>Trisetaria nitida</i> (Desf.) Maire	100	0.1279
<i>Trisetum flavescens</i> subsp. <i>macratherum</i> (Maire & Trabut) Dobignard	100	0.1279
<i>Valerianella leptocarpa</i> Pomel	100	0.1279
<i>Vulpia geniculata</i> subsp. <i>monanthera</i> (Maire) Maire	25	0.2535

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 4: List of endemic and indicative species of the Steppic sector.

	IndVal (%)	<i>p</i> -value
<i>Adenocarpus faurei</i> Maire	100	0.1269
<i>Anthemis stiparum</i> subsp. <i>sabulicola</i> (Pomel) Oberpr.	50	0.2464
<i>Atractylis caerulea</i> Batt.	100	0.1269
<i>Biscutella raphanifolia</i> var. <i>algeriensis</i> (Jord.) A. Vicente, M. A. Alonso & M. B. Crespo	25	0.2503
<i>Bufonia chevallieri</i> Batt.	100	0.1269
<i>Bufonia duvaljouvei</i> subsp. <i>battandieri</i> (Rouy ex Batt.) Maire	100	0.1269
<i>Bunium elatum</i> (Batt.) Batt.	50	0.2503
<i>Carthamus chouletteanus</i> (Pomel) Greuter	100	0.1269
<i>Carthamus ilicifolius</i> (Pomel) Greuter	100	0.1269
<i>Centaurea ferox</i> Desf.	33.33	0.3721
<i>Centaurea obtusiloba</i> Batt.	100	0.1269
<i>Centaurea phaeolepis</i> Coss.	100	0.1269
<i>Centaurea resupinata</i> subsp. <i>vulnerariifolia</i> (Pomel) Breiwt. & Podlech	100	0.1269
<i>Centaurea tougourensis</i> Boiss. & Reut.	25	0.3779
<i>Centaurea vesceritensis</i> Boiss.	100	0.1269
<i>Crepis arenaria</i> (Pomel) Pomel subsp. <i>arenaria</i>	100	0.1269
<i>Diplotaxis eruroides</i> subsp. <i>cossoniana</i> (Reut. ex Boiss.) Mart.-Laborde	66.67	0.1269
<i>Echium clandestinum</i> Pomel	100	0.1269
<i>Erodium guinochetianum</i> Guitt.	33.33	0.2503
<i>Erodium medeense</i> Batt.	25	0.2529
<i>Hedysarum naudinianum</i> Coss. & Durieu	16.67	0.2503
<i>Hirschfeldia incana</i> subsp. <i>consobrina</i> (Batt.) Maire	100	0.1269
<i>Hypochaeris claryi</i> Batt.	50	0.2503
<i>Leontodon balansae</i> Boiss.	33.33	0.2503
<i>Moricandia spinosa</i> Pomel	25	0.2464
<i>Ononis aurasiaca</i> Förther & Podlech	50	0.2487
<i>Ononis crinita</i> Pomel	100	0.1269
<i>Ononis incisa</i> Batt.	100	0.1269
<i>Otocarpus virgatus</i> Durieu	100	0.1269
<i>Pulicaria vulgaris</i> subsp. <i>pomeliana</i> (Faure & Maire) E. Gamal-Eldin	100	0.1269
<i>Rupicapnos africana</i> (Lam.) Pomel subsp. <i>africana</i>	50	0.2487
<i>Rupicapnos calcarata</i> Lidén	100	0.1269
<i>Rupicapnos longipes</i> (Coss. & Durieu) Pomel subsp. <i>longipes</i>	66.67	0.1269
<i>Rupicapnos numidica</i> subsp. <i>delicatula</i> (Pomel) Maire	100	0.1269
<i>Rupicapnos ochracea</i> Pomel	100	0.1269
<i>Salsola chellalensis</i> Botsch.	100	0.1269

<i>Salsola praemontana</i> Botsch.	100	0.1269
<i>Sideritis guyoniana</i> Boiss. & Reut.	11.11	0.4981
<i>Silene claryi</i> Batt.	100	0.1269
<i>Silene pseudovestita</i> Batt.	100	0.1269
<i>Stachys guyoniana</i> Batt.	75	0.1269
<i>Stipa atlantica</i> Smirn.	33.33	0.2464
<i>Teucrium albidum</i> Munby	100	0.1269
<i>Teucrium thymoides</i> Pomel	83.33	0.1269
<i>Thymus lanceolatus</i> Desf.	25	0.3763
<i>Trigonella balachowskyi</i> Leredde	100	0.1269
<i>Verbascum fontanesii</i> Benedí	16.67	0.3763

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 5: List of endemic and indicative species of the Northern Saharan sector.

	IndVal (%)	<i>p</i> -value
<i>Anacyclus linearilobus</i> Boiss. & Reut.	33.33	0.2554
<i>Anthemis stiparum</i> subsp. <i>sabulicola</i> (Pomel) Oberpr.	50	0.25
<i>Avena macrostachya</i> Balansa ex Coss. & Durieu	9.091	0.3745
<i>Ephedra alata</i> subsp. <i>monjauzeana</i> Dubuis & Faurel	100	0.1263
<i>Galium bourgaeum</i> Coss. ex Ball subsp. <i>bourgaeum</i>	100	0.1263
<i>Helianthemum eriocephalum</i> Pomel	100	0.1263
<i>Limonium cyrtostachyum</i> (Girard) Brullo	20	0.3813
<i>Lomelosia camellorum</i> (Coss. & Durieu) Greuter & Burdet	100	0.1263
<i>Moricandia spinosa</i> Pomel	75	0.1263
<i>Rumex cyprius</i> subsp. <i>coloratus</i> Sam.	100	0.1263
<i>Rumex cyprius</i> subsp. <i>vesceritensis</i> (Murb.) Sam.	33.33	0.2535
<i>Rupicapnos longipes</i> (Coss. & Durieu) Pomel subsp. <i>longipes</i>	33.33	0.25
<i>Rupicapnos muricaria</i> Pomel	100	0.1263
<i>Salsola algeriensis</i> Botsch.	100	0.1263
<i>Salsola cruciata</i> L. Chevall. ex Batt.	50	0.2522
<i>Stachys guyoniana</i> Batt.	25	0.25
<i>Stipa atlantica</i> Smirn.	66.67	0.1263

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 6: List of endemic and indicative species of the Central Saharan sector.

	IndVal (%)	<i>p</i> -value
<i>Ballota hirsuta</i> subsp. <i>saharica</i> (Diels) Greuter & Burdet	100	0.1256
<i>Campanula bordesiana</i> Maire subsp. <i>bordesiana</i>	100	0.1256
<i>Centaurea foucauldiana</i> Maire	100	0.1256
<i>Centaurea tougourensis</i> Boiss. & Reut.	25	0.3752
<i>Chiladenus sericeus</i> subsp. <i>virescens</i> (Maire) Greuter	100	0.1256
<i>Crambe kralikii</i> subsp. <i>garamas</i> (Maire) Podlech	100	0.1256
<i>Cupressus dupreziana</i> A. Camus	100	0.1256
<i>Helianthemum geniorum</i> Maire	100	0.1256
<i>Paronychia haggariensis</i> subsp. <i>sahariensis</i> Chaudhri	100	0.1256
<i>Polycarpaea robbaireia</i> subsp. <i>garamantum</i> (Quézel) Dobignard	100	0.1256
<i>Pulicaria lothei</i> Maire	100	0.1256
<i>Reseda tefedestica</i> (Maire) Abdallah & de Wit	100	0.1256
<i>Rumex cyprius</i> subsp. <i>vesceritensis</i> (Murb.) Sam.	66.67	0.1256
<i>Spergularia microsperma</i> subsp. <i>fontenellei</i> (Maire) Greuter & Burdet	100	0.1256
<i>Teucrium polium</i> subsp. <i>chevalieri</i> Maire	100	0.1256

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 7: List of endemic and indicative species of the Tanezrouftian sector.

	IndVal (%)	<i>p</i> -value
<i>Phagnalon garamantum</i> Maire	100	0.1295
<i>Stipa hoggarensis</i> Chrtek & Martinovsky	100	0.1295

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 8: List of endemic and indicative species of the In Guezzamian sector.

	IndVal (%)	<i>p</i> -value
<i>Pulicaria volskonskyana</i> Maire	100	0.123

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Appendix S5. Lists of endemic species for the different districts.

Table 1: List of endemic and indicative species of Algiers littoral district (A).

	IndVal (%)	<i>p</i> -value
<i>Ammoides atlantica</i> (Coss. & Durieu) H. Wolff	50	0.0896
<i>Aristolochia fontanesii</i> Boiss. & Reut.	20	0.1833
<i>Calendula suffruticosa</i> subsp. <i>monardii</i> (Boiss. & Reut.) Ohle	100	0.0451
<i>Crepis pulchra</i> subsp. <i>africana</i> Babcock	100	0.0451
<i>Erodium malacoides</i> subsp. <i>floribundum</i> (Batt.) Batt.	50	0.0451
<i>Erodium medeense</i> Batt.	75	0.0451
<i>Fumaria capitata</i> Lidén	100	0.0451
<i>Fumaria dubia</i> Pugsley	100	0.0451
<i>Fumaria normanii</i> Pugsley	100	0.0451
<i>Genista numidica</i> subsp. <i>sarotes</i> (Pomel) Batt.	100	0.0451
<i>Iberis peyerimhoffii</i> Maire	100	0.0451
<i>Kickxia elatinoides</i> (Desf.) Rothm.	20	0.136
<i>Limonium gougetianum</i> subsp. <i>multiceps</i> (Pomel) Greuter & Burdet	50	0.0934
<i>Malope malacoides</i> subsp. <i>asterotricha</i> (Pomel) Greuter & Burdet	33.33	0.0904
<i>Noccaea atlantica</i> (Batt.) Al-Shehbaz	100	0.0451
<i>Ononis alba</i> subsp. <i>monophylla</i> (Desf.) Murb.	25	0.1786
<i>Ononis clausonis</i> (Pomel) Pomel	100	0.0451
<i>Ononis serotina</i> Pomel	40	0.0891
<i>Onopordum algeriense</i> (Munby) Pomel	100	0.0451
<i>Origanum floribundum</i> Munby	50	0.0896
<i>Rumex algeriensis</i> Barratte & Murb.	66.67	0.0451
<i>Rupicapnos africana</i> subsp. <i>cerefolia</i> (Pomel) Maire	100	0.0451
<i>Salvia balansae</i> de Noé ex Coss.	25	0.1361
<i>Saxifraga numidica</i> Maire	50	0.0886
<i>Silene ghiarensis</i> Batt.	20	0.18
<i>Stachys mialhesi</i> de Noé	33.33	0.1322
<i>Thymus lanceolatus</i> Desf.	25	0.1826
<i>Verbascum fontanesii</i> Benedí	12.5	0.1829
<i>Vulpia geniculata</i> subsp. <i>monanthera</i> (Maire) Maire	75	0.0451

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 2: List of endemic and indicative species of Kabylia district (K).

	IndVal (%)	<i>p</i> -value
<i>Ammoides atlantica</i> (Coss. & Durieu) H. Wolff	50	0.0886
<i>Anthemis punctata</i> subsp. <i>kabylica</i> (Batt.) Oberpr.	100	0.0446
<i>Arabis doumetii</i> Coss.	50	0.09
<i>Aristolochia fontanesii</i> Boiss. & Reut.	40	0.0446
<i>Artemisia alba</i> subsp. <i>kabylica</i> (Chabert) Greuter	100	0.0446
<i>Avena macrostachya</i> Balansa ex Coss. & Durieu	36.36	0.092
<i>Bunium chabertii</i> (Batt.) Batt.	100	0.0446
<i>Carthamus strictus</i> (Pomel) Batt.	75	0.0446
<i>Cirsium kirbense</i> Pomel	33.33	0.1348
<i>Corydalis solida</i> subsp. <i>bracteosa</i> (Batt. & Trab.) Greuter & Burdet	100	0.0446
<i>Crepis faureliana</i> Maire	50	0.0881

<i>Cynoglossum gymnandrum</i> (Coss.) Greuter & Burdet	100	0.0446
<i>Fedia graciliflora</i> subsp. <i>calycina</i> (Maire) Mathez & Xena	100	0.0446
<i>Festuca algeriensis</i> Trab.	50	0.093
<i>Festuca atlantica</i> Duval-Jouve ex Clauson subsp. <i>atlantica</i>	100	0.0446
<i>Festuca djurdjurae</i> (Trab.) Romo	100	0.0446
<i>Fumaria mairei</i> Pugsley ex Maire subsp. <i>mairei</i>	100	0.0446
<i>Fumaria mairei</i> subsp. <i>saxicola</i> Lidén	100	0.0446
<i>Galium perralderii</i> Batt.	75	0.0446
<i>Genista numidica</i> subsp. <i>filiramea</i> (Pomel) Batt.	50	0.09
<i>Genista numidica</i> Spach subsp. <i>numidica</i>	50	0.09
<i>Genista triacanthos</i> subsp. <i>vepres</i> (Pomel) P. E. Gibbs	50	0.09
<i>Hieracium grandifolium</i> Sch. Bip.	66.67	0.0446
<i>Isoetes longissima</i> subsp. <i>perralderiana</i> (Milde) Troia & Greuter	100	0.0446
<i>Jacobaea gallerandiana</i> (Coss. & Durieu) Pelser	50	0.0881
<i>Leontodon djurdjurae</i> Batt.	33.33	0.1384
<i>Linaria decipiens</i> Batt.	75	0.0446
<i>Lonicera kabylica</i> (Batt.) Rehder	66.67	0.0446
<i>Myosotis speciosa</i> Pomel	50	0.0446
<i>Origanum floribundum</i> Munby	50	0.0886
<i>Paeonia algeriensis</i> Chabert	50	0.09
<i>Pimpinella battandieri</i> Chabert	50	0.09
<i>Potentilla caulescens</i> subsp. <i>djurdjurae</i> (Chabert) Romo	50	0.0446
<i>Romulea penzigii</i> Bég.	100	0.0446
<i>Silene aristidis</i> Pomel	100	0.0446
<i>Silene choulettii</i> Coss.	20	0.1384
<i>Teucrium kabylicum</i> Batt.	40	0.09
<i>Vicia ochroleuca</i> subsp. <i>atlantica</i> (Pomel) Greuter & Burdet	33.33	0.1384

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 3: List of endemic and indicative species of Jijelo-Annabian district (J).

	IndVal (%)	<i>p</i> -value
<i>Abies numidica</i> Carrière	80	0.0459
<i>Allium trichocnemis</i> J. Gay	100	0.0459
<i>Anthemis maritima</i> subsp. <i>bolosii</i> Benedi & Molero	100	0.0459
<i>Anthemis maritima</i> subsp. <i>pseudopunctata</i> Oberpr.	100	0.0459
<i>Arabis doumetii</i> Coss.	50	0.0915
<i>Brassica fruticulosa</i> subsp. <i>numidica</i> (Coss.) Maire	100	0.0459
<i>Bupleurum plantagineum</i> Desf.	100	0.0459
<i>Calamintha hispidula</i> Boiss. & Reut.	100	0.0459
<i>Calamintha nervosa</i> Pomel	100	0.0459
<i>Campanula baborensis</i> Quézel	100	0.0459
<i>Carduus numidicus</i> Durieu	50	0.0905
<i>Carthamus strictus</i> (Pomel) Batt.	25	0.0915
<i>Coronilla valentina</i> subsp. <i>speciosa</i> (Uhrová) Greuter & Burdet	60	0.0459
<i>Cyclamen repandum</i> var. <i>baborense</i> Batt. ex Debussche & Quézel	100	0.0459
<i>Dactylorhiza maculata</i> subsp. <i>battandieri</i> (Raynaud) Baumann & Künkele	100	0.0459
<i>Daucus gracilis</i> Steinh.	50	0.0905
<i>Dianthus sylvestris</i> subsp. <i>aristidis</i> (Batt.) Greuter & Burdet	100	0.0459
<i>Digitalis atlantica</i> Pomel	100	0.0459
<i>Epimedium perralderianum</i> Coss.	100	0.0459
<i>Erica numidica</i> (Maire) Romo & Borat.	100	0.0459
<i>Erodium battandierianum</i> Rouy	87.5	0.0459
<i>Erysimum cheiri</i> subsp. <i>inexpectans</i> Véla, Ouarmim & Dubset	100	0.0459
<i>Fedia graciliflora</i> subsp. <i>sulcata</i> (Pomel) Mathez & Xena	100	0.0459
<i>Galium perralderii</i> Batt.	25	0.0915
<i>Genista numidica</i> subsp. <i>filiramea</i> (Pomel) Batt.	50	0.0915
<i>Genista numidica</i> Spach subsp. <i>numidica</i>	50	0.0915
<i>Genista triacanthos</i> subsp. <i>vepres</i> (Pomel) P. E. Gibbs	50	0.0915
<i>Heracleum sphondylium</i> subsp. <i>algeriense</i> (Coss. ex Batt. & Trab.) Dobignard	33.33	0.0905
<i>Hieracium cerinthoides</i> subsp. <i>ernesti</i> (Maire) Greuter	100	0.0459

<i>Hieracium grandifolium</i> Sch. Bip.	33.33	0.0915
<i>Hypochaeris saldensis</i> Batt.	100	0.0459
<i>Leontodon djurdjurae</i> Batt.	33.33	0.1361
<i>Linaria parviracemosa</i> D. A. Sutton	100	0.0459
<i>Lonicera kabylica</i> (Batt.) Rehder	33.33	0.0915
<i>Moehringia stellarioides</i> Coss.	75	0.0459
<i>Myosotis speciosa</i> Pomel	25	0.1361
<i>Odontites discolor</i> subsp. <i>ciliatus</i> (Pomel) Bolliger	100	0.0459
<i>Odontites discolor</i> Pomel subsp. <i>discolor</i>	100	0.0459
<i>Ononis alba</i> subsp. <i>monophylla</i> (Desf.) Murb.	25	0.1855
<i>Paeonia algeriensis</i> Chabert	50	0.0915
<i>Pedicularis numidica</i> Pomel	100	0.0459
<i>Pimpinella battandieri</i> Chabert	50	0.0915
<i>Potentilla caulescens</i> subsp. <i>djurdjurae</i> (Chabert) Romo	25	0.1361
<i>Rumex algeriensis</i> Barratte & Murb.	33.33	0.0913
<i>Saxifraga numidica</i> Maire	50	0.0913
<i>Sedum multiceps</i> Coss. & Durieu	100	0.0459
<i>Sideritis guyoniana</i> Boiss. & Reut.	11.11	0.187
<i>Silene choulettii</i> Coss.	20	0.1361
<i>Silene colorata</i> subsp. <i>amphorina</i> (Pomel) Batt.	100	0.0459
<i>Silene reverchonii</i> Batt.	100	0.0459
<i>Silene sessionis</i> Batt.	100	0.0459
<i>Sorghum annuum</i> (Trab.) Maire	100	0.0459
<i>Stachys mialhesi</i> de Noé	33.33	0.1359
<i>Teucrium kabylicum</i> Batt.	60	0.0459
<i>Vicia ochroleuca</i> subsp. <i>atlantica</i> (Pomel) Greuter & Burdet	33.33	0.1361
<i>Vicia ochroleuca</i> subsp. <i>baborensis</i> (Batt. & Trab.) Greuter & Burdet	100	0.0459
<i>Vulpia obtusa</i> Trab.	100	0.0459

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 4: List of endemic and indicative species of Ouarsenian district (O).

	IndVal (%)	<i>p</i> -value
<i>Alyssum luteolum</i> Pomel	33.33	0.1343
<i>Aristolochia fontanesii</i> Boiss. & Reut.	20	0.1857
<i>Biscutella raphanifolia</i> var. <i>algeriensis</i> (Jord.) A. Vicente, M. A. Alonso & M. B. Crespo	75	0.0477
<i>Cirsium kirbense</i> Pomel	33.33	0.1399
<i>Coronilla valentina</i> subsp. <i>speciosa</i> (Uhrová) Greuter & Burdet	20	0.1402
<i>Erodium guinochetianum</i> Guitt.	66.67	0.0477
<i>Erodium malacoides</i> subsp. <i>floribundum</i> (Batt.) Batt.	33.33	0.0935
<i>Hedysarum naudinianum</i> Coss. & Durieu	83.33	0.0477
<i>Helminthotheca balansae</i> (Coss. & Durieu) Lack	20	0.1814
<i>Herniaria oranensis</i> Chaudhri subsp. <i>oranensis</i>	100	0.0477
<i>Kickxia elatinoides</i> (Desf.) Rothm.	40	0.0907
<i>Lepidium rigidum</i> Pomel	33.33	0.134
<i>Ononis cephalantha</i> Pomel subsp. <i>cephalantha</i>	100	0.0477
<i>Plantago atlantica</i> Batt.	100	0.0477
<i>Salsola gypsacea</i> Botsch.	100	0.0477
<i>Silene ghiarensis</i> Batt.	40	0.0477
<i>Thymus lanceolatus</i> Desf.	25	0.1817
<i>Verbascum fontanesii</i> Benedí	25	0.0909
<i>Verbascum pinnatisectum</i> (Batt.) Benedí	100	0.0447

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 5: List of endemic and indicative species of Constantinian district (C).

	IndVal (%)	<i>p</i> -value
<i>Abies numidica</i> Carrière	20	0.0909
<i>Campanula numidica</i> Durieu	100	0.0456
<i>Carduus numidicus</i> Durieu	50	0.0909

<i>Coronilla valentina</i> subsp. <i>speciosa</i> (Uhrová) Greuter & Burdet	20	0.1378
<i>Daucus gracilis</i> Steinh.	50	0.0909
<i>Drimia anthericoides</i> (Poir.) Vêla & Bélair	100	0.0456
<i>Erodium battandierianum</i> Rouy	12.5	0.0909
<i>Euphorbia hieroglyphica</i> Coss. & Durieu ex Boiss.	50	0.0934
<i>Festuca algeriensis</i> Trab.	50	0.09
<i>Heracleum sphondylium</i> subsp. <i>algeriense</i> (Coss. ex Batt. & Trab.) Dobignard	66.67	0.0456
<i>Legousia juliani</i> (Batt.) Briq.	100	0.0456
<i>Leontodon djurdjurae</i> Batt.	33.33	0.1353
<i>Lepidium rigidum</i> Pomel	33.33	0.1356
<i>Moehringia stellarioides</i> Coss.	25	0.0909
<i>Myosotis speciosa</i> Pomel	25	0.1353
<i>Potentilla caulescens</i> subsp. <i>djurdjurae</i> (Chabert) Romo	25	0.1353
<i>Sideritis guyoniana</i> Boiss. & Reut.	11.11	0.1826
<i>Silene choulettii</i> Coss.	60	0.0456
<i>Silene cirtensis</i> Pomel	100	0.0456
<i>Silene kremeri</i> Soy.-Will. & Godr.	100	0.0456
<i>Sinapis pubescens</i> subsp. <i>aristidis</i> (Pomel) Maire & Weiller	100	0.0456
<i>Sinapis pubescens</i> subsp. <i>indurata</i> (Coss.) Batt.	100	0.0456
<i>Stachys mialhesi</i> de Noé	33.33	0.1363
<i>Thymus lanceolatus</i> Desf.	25	0.1782
<i>Verbascum fontanesii</i> Benedí	50	0.0456
<i>Vicia ochroleuca</i> subsp. <i>atlantica</i> (Pomel) Greuter & Burdet	33.33	0.1353

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 6: List of endemic and indicative species of Belezmo-Auresian district (B).

	IndVal (%)	<i>p</i> -value
<i>Agropyropsis lolium</i> (Balansa ex Coss. & Durieu) A. Camus	100	0.0462
<i>Alyssum luteolum</i> Pomel	33.33	0.1382
<i>Asyneuma rigidum</i> subsp. <i>aurasiacum</i> (Batt. & Trab.) Damboldt	100	0.0462
<i>Avena macrostachya</i> Balansa ex Coss. & Durieu	45.45	0.0462
<i>Centaurea tougourensis</i> Boiss. & Reut.	25	0.1867
<i>Festuca aurasiaca</i> (Trab.) Trab.	50	0.0929
<i>Hedysarum perrauderianum</i> Coss. & Durieu	33.33	0.0929
<i>Heracleum sphondylium</i> subsp. <i>aurasiacum</i> (Maire) Dobignard	100	0.0462
<i>Hieracium amplexicaule</i> subsp. <i>peyerimhoffii</i> (Maire) Zahn	100	0.0462
<i>Hieracium faurelianum</i> Maire	100	0.0462
<i>Juniperus thurifera</i> subsp. <i>aurasiaca</i> (Vêla & P. Schäf.) Vêla	100	0.0462
<i>Leontodon balansae</i> Boiss.	33.33	0.1397
<i>Lepidium rigidum</i> Pomel	33.33	0.1348
<i>Linaria decipiens</i> Batt.	25	0.0917
<i>Rupicapnos longipes</i> subsp. <i>aurasiaca</i> Maire ex Lidén	100	0.0462
<i>Rupicapnos longipes</i> subsp. <i>reboudiana</i> (Pomel) Lidén	100	0.0462
<i>Rupicapnos sarcocapnoides</i> (Coss. & Durieu) Pomel	50	0.0929
<i>Salvia balansae</i> de Noé ex Coss.	25	0.1353

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 7: List of endemic and indicative species of Tebessian district (T).

	IndVal (%)	<i>p</i> -value
<i>Alyssum luteolum</i> Pomel	33.33	0.1347
<i>Avena macrostachya</i> Balansa ex Coss. & Durieu	9.091	0.1805
<i>Campanula jurjurensis</i> Pomel	100	0.0443
<i>Centaurea djebel-amouri</i> Greuter	50	0.0903
<i>Centaurea tougourensis</i> Boiss. & Reut.	25	0.1862
<i>Crepis faureliana</i> Maire	50	0.0894
<i>Diplotaxis erucoides</i> subsp. <i>cossoniana</i> (Reut. ex Boiss.) Mart.-Laborde	33.33	0.0919
<i>Euphorbia hieroglyphica</i> Coss. & Durieu ex Boiss.	50	0.0899
<i>Festuca aurasiaca</i> (Trab.) Trab.	50	0.091

<i>Festuca trabutii</i> E. B. Alexeev	100	0.0443
<i>Galium numidicum</i> Pomel	100	0.0443
<i>Hedysarum perrauderianum</i> Coss. & Durieu	66.67	0.0443
<i>Jacobaea gallerandiana</i> (Coss. & Durieu) Pelser	50	0.0894
<i>Leontodon balansae</i> Boiss.	33.33	0.1386
<i>Malope malacoides</i> subsp. <i>asterotricha</i> (Pomel) Greuter & Burdet	66.67	0.0443
<i>Minuartia tenuissima</i> subsp. <i>numidica</i> (Maire) Greuter & Burdet	100	0.0443
<i>Romulea vaillantii</i> Quézel	100	0.0443
<i>Rupicapnos sarcocapnoides</i> (Coss. & Durieu) Pomel	50	0.091

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 8: List of endemic and indicative species of Naïlian district (N).

	IndVal (%)	<i>p</i> -value
<i>Artemisia algeriensis</i> Filatova	100	0.0453
<i>Bunium elatum</i> (Batt.) Batt.	50	0.092
<i>Centaurea djebel-amouri</i> Greuter	50	0.0928
<i>Centaurea ferox</i> Desf.	33.33	0.1355
<i>Crepis claryi</i> Batt.	100	0.0453
<i>Hypochaeris claryi</i> Batt.	50	0.0876
<i>Limonium cyrtostachyum</i> (Girard) Brullo	20	0.1834
<i>Ononis alba</i> subsp. <i>monophylla</i> (Desf.) Murb.	25	0.1838
<i>Salsola cruciata</i> L. Chevall. ex Batt.	50	0.0882
<i>Salsola mairei</i> Botsch.	100	0.0453
<i>Salsola subglabra</i> Botsch.	100	0.0453
<i>Teucrium thymoides</i> Pomel	16.67	0.1814
<i>Thymus guyonii</i> de Noé	100	0.0453
<i>Tricholemma brevistaratum</i> (Barratte) Röser	100	0.0453

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 9: List of endemic and indicative species of Wahranian district (W).

	IndVal (%)	<i>p</i> -value
<i>Adenocarpus umbellatus</i> Batt.	100	0.0454
<i>Anacyclus linearilobus</i> Boiss. & Reut.	66.67	0.0454
<i>Anthemis boveana</i> J. Gay	100	0.0454
<i>Bellevalia pomelii</i> Maire	100	0.0454
<i>Brassica fruticulosa</i> subsp. <i>pomeliana</i> Maire ex Greuter	100	0.0454
<i>Brassica spinescens</i> Pomel	100	0.0454
<i>Calamintha candidissima</i> (Munby) Benth.	100	0.0454
<i>Calendula suffruticosa</i> subsp. <i>balansae</i> (Boiss. & Reut.) Ohle	100	0.0454
<i>Coleostephus multicaulis</i> (Desf.) Durieu	50	0.0903
<i>Corynephorus articulatus</i> subsp. <i>oranensis</i> (Murb.) Maire & Weiller	100	0.0454
<i>Crepis arenaria</i> subsp. <i>suberostris</i> (Batt.) Greuter	100	0.0454
<i>Erysimum semperflorens</i> subsp. <i>elatum</i> (Pomel) Maire	100	0.0454
<i>Genista numidica</i> subsp. <i>ischnoclada</i> (Pomel) Batt.	100	0.0454
<i>Helianthemum maritimum</i> Pomel	100	0.0454
<i>Helminthotheca balansae</i> (Coss. & Durieu) Lack	20	0.1822
<i>Kickxia elatinoides</i> (Desf.) Rothm.	40	0.0919
<i>Limonium afrum</i> (Pignatti) Domina	100	0.0454
<i>Limonium cyrtostachyum</i> (Girard) Brullo	40	0.0454
<i>Mecomischnus pedunculatus</i> (Coss. & Durieu) Oberpr. & Greuter	100	0.0454
<i>Najas marina</i> subsp. <i>arsenariensis</i> (Maire) Triest	100	0.0454
<i>Ononis megalostachys</i> Munby	100	0.0454
<i>Pallenis maritima</i> subsp. <i>sericea</i> (Maire & Wilczek) Vêla	100	0.0454
<i>Pulicaria filaginoides</i> Pomel	100	0.0454
<i>Rupicapnos africana</i> (Lam.) Pomel subsp. <i>africana</i>	50	0.0904
<i>Rupicapnos africana</i> subsp. <i>oranensis</i> (Pugsley) Maire	100	0.0454

<i>Salvia balansae</i> de Noé ex Coss.	50	0.0454
<i>Sideritis guyoniana</i> Boiss. & Reut.	66.67	0.0454
<i>Sideritis maura</i> de Noé	100	0.0454
<i>Silene auriculifolia</i> Pomel	100	0.0454
<i>Silene ghiarensis</i> Batt.	20	0.1796
<i>Sonchus tenerrimus</i> subsp. <i>amicus</i> (Maire & Wilczek) Vêla	100	0.0454
<i>Spergularia pycnorhiza</i> Foucaud ex Batt.	100	0.0454
<i>Teucrium aureiforme</i> Pomel	100	0.0454
<i>Trisetaria nitida</i> (Desf.) Maire	100	0.0454
<i>Trisetum flavescens</i> subsp. <i>macratherum</i> (Maire & Trabut) Dobignard	100	0.0454
<i>Valerianella leptocarpa</i> Pomel	100	0.0454
<i>Vulpia geniculata</i> subsp. <i>monanthera</i> (Maire) Maire	25	0.0882

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 10: List of endemic and indicative species of Dahran district (D).

	IndVal (%)	<i>p</i> -value
<i>Anthemis stiparum</i> Pomel subsp. <i>stiparum</i>	100	0.0459
<i>Aristolochia fontanesii</i> Boiss. & Reut.	20	0.1788
<i>Centaurea ferox</i> Desf.	33.33	0.1347
<i>Cirsium kirbense</i> Pomel	33.33	0.135
<i>Erodium malacoides</i> subsp. <i>floribundum</i> (Batt.) Batt.	16.67	0.1327
<i>Genista spinulosa</i> Pomel	100	0.0459
<i>Helminthotheca balansae</i> (Coss. & Durieu) Lack	20	0.1822
<i>Limonium cyrtostachyum</i> (Girard) Brullo	20	0.1835
<i>Limonium gougetianum</i> subsp. <i>multiceps</i> (Pomel) Greuter & Burdet	50	0.0897
<i>Limonium letourneuxii</i> (Coss. ex Batt.) Greuter & Burdet	100	0.0459
<i>Ononis aurasiaca</i> Förther & Podlech	50	0.0898
<i>Ononis avellana</i> Pomel	100	0.0459
<i>Sixalix cartenniana</i> (Pons & Quézel) Greuter & Burdet	100	0.0459
<i>Stachys saxicola</i> subsp. <i>chelifensis</i> Quézel & Simonn.	100	0.0459
<i>Teucrium santae</i> Quézel & Simonn. ex Greuter & Burdet	100	0.0459

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 11: List of endemic and indicative species of Ghrissian district (G).

	IndVal (%)	<i>p</i> -value
<i>Astragalus reinii</i> subsp. <i>nemorosus</i> (Batt.) Maire	100	0.0453
<i>Coleostephus multicaulis</i> (Desf.) Durieu	50	0.0868
<i>Helminthotheca balansae</i> (Coss. & Durieu) Lack	40	0.0453
<i>Malope malacoides</i> subsp. <i>laevigata</i> (Pomel) Greuter & Burdet	100	0.0453
<i>Ononis alba</i> subsp. <i>monophylla</i> (Desf.) Murb.	25	0.1895
<i>Ononis serotina</i> Pomel	60	0.0453
<i>Silene ghiarensis</i> Batt.	20	0.1801
<i>Silene glaberrima</i> Faure & Maire	100	0.0453

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 12: List of endemic and indicative species of Saïdian district (S).

	IndVal (%)	<i>p</i> -value
<i>Adenocarpus faurei</i> Maire	100	0.0486
<i>Biscutella raphanifolia</i> var. <i>algeriensis</i> (Jord.) A. Vicente, M. A. Alonso & M. B. Crespo	25	0.0926
<i>Carthamus chouletteanus</i> (Pomel) Greuter	100	0.0486
<i>Centaurea obtusiloba</i> Batt.	100	0.0486
<i>Centaurea resupinata</i> subsp. <i>vulnerariifolia</i> (Pomel) Breitw. & Podlech	100	0.0486
<i>Crepis arenaria</i> (Pomel) Pomel subsp. <i>arenaria</i>	50	0.0925
<i>Erodium guinochetianum</i> Guitt.	33.33	0.0926
<i>Erodium medeense</i> Batt.	25	0.0893

<i>Hirschfeldia incana</i> subsp. <i>consobrina</i> (Batt.) Maire	100	0.0486
<i>Ononis incisa</i> Batt.	33.33	0.0925
<i>Otocarpus virgatus</i> Durieu	100	0.0486
<i>Polygala rosea</i> Desf.	100	0.0486
<i>Pulicaria vulgaris</i> subsp. <i>pomeliana</i> (Faure & Maire) E. Gamal-Eldin	100	0.0486
<i>Rupicapnos africana</i> (Lam.) Pomel subsp. <i>africana</i>	50	0.0945
<i>Salsola chellalensis</i> Botsch.	100	0.0486
<i>Salsola praemontana</i> Botsch.	100	0.0486
<i>Sideritis guyoniana</i> Boiss. & Reut.	11.11	0.1878
<i>Silene pseudovestita</i> Batt.	100	0.0486
<i>Teucrium albidum</i> Munby	100	0.0486
<i>Teucrium thymoides</i> Pomel	16.67	0.1809
<i>Thymus lanceolatus</i> Desf.	25	0.1821

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 13: List of endemic and indicative species of El Bayadhian district (E).

	IndVal (%)	<i>p</i> -value
<i>Atractylis caerulea</i> Batt.	100	0.0444
<i>Carthamus ilicifolius</i> (Pomel) Greuter	100	0.0444
<i>Centaurea ferox</i> Desf.	33.33	0.1334
<i>Centaurea phaeolepis</i> Coss.	100	0.0444
<i>Centaurea tougourensis</i> Boiss. & Reut.	25	0.1833
<i>Crepis arenaria</i> (Pomel) Pomel subsp. <i>arenaria</i>	50	0.087
<i>Hypochaeris claryi</i> Batt.	50	0.0899
<i>Moricandia spinosa</i> Pomel	25	0.1392
<i>Ononis incisa</i> Batt.	66.67	0.0444
<i>Rupicapnos numidica</i> subsp. <i>delicatula</i> (Pomel) Maire	33.33	0.0924
<i>Rupicapnos ochracea</i> Pomel	100	0.0444
<i>Silene claryi</i> Batt.	100	0.0444
<i>Teucrium thymoides</i> Pomel	33.33	0.0865
<i>Verbascum fontanesii</i> Benedí	12.5	0.183

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 14: List of endemic and indicative species of Qsourian district (Q).

	IndVal (%)	<i>p</i> -value
<i>Anthemis stiparum</i> subsp. <i>sabulicola</i> (Pomel) Oberpr.	50	0.0879
<i>Rupicapnos calcarata</i> Lidén	100	0.0425
<i>Rupicapnos numidica</i> subsp. <i>delicatula</i> (Pomel) Maire	66.67	0.0425
<i>Stipa atlantica</i> Smirn.	33.33	0.1352
<i>Trigonella balachowskyi</i> Leredde	100	0.0425

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 15: List of endemic and indicative species of Msilian district (M).

	IndVal (%)	<i>p</i> -value
<i>Bufo</i> <i>chevallieri</i> Batt.	100	0.0483
<i>Bufo</i> <i>duvaljouvei</i> subsp. <i>battandieri</i> (Rouy ex Batt.) Maire	100	0.0483
<i>Bunium elatum</i> (Batt.) Batt.	50	0.0933
<i>Centaurea vesceritensis</i> Boiss.	100	0.0483
<i>Diplotaxis eruroides</i> subsp. <i>cossoniana</i> (Reut. ex Boiss.) Mart.-Laborde	66.67	0.0483
<i>Echium clandestinum</i> Pomel	100	0.0483
<i>Hedysarum naudinianum</i> Coss. & Durieu	16.67	0.0917
<i>Leontodon balansae</i> Boiss.	33.33	0.1355
<i>Ononis aursiaca</i> Förther & Podlech	50	0.0932

<i>Ononis crinita</i> Pomel	100	0.0483
<i>Rupicapnos longipes</i> (Coss. & Durieu) Pomel subsp. <i>longipes</i>	66.67	0.0483
<i>Stachys guyoniana</i> Batt.	75	0.0483
<i>Teucrium thymoides</i> Pomel	33.33	0.095

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 16: List of endemic and indicative species of Becharo-Mزابian district (BM).

	IndVal (%)	<i>p</i> -value
<i>Anacyclus linearilobus</i> Boiss. & Reut.	33.33	0.0908
<i>Anthemis stiparum</i> subsp. <i>sabulicola</i> (Pomel) Oberpr.	50	0.0915
<i>Ephedra alata</i> subsp. <i>monjaueana</i> Dubuis & Faurel	100	0.0433
<i>Helianthemum eriocephalum</i> Pomel	100	0.0433
<i>Limonium cyrtostachyum</i> (Girard) Brullo	20	0.1865
<i>Moricandia spinosa</i> Pomel	50	0.0433
<i>Rumex cyprius</i> subsp. <i>coloratus</i> Sam.	60	0.0433
<i>Rumex cyprius</i> subsp. <i>vesceritensis</i> (Murb.) Sam.	50	0.0875
<i>Rupicapnos longipes</i> (Coss. & Durieu) Pomel subsp. <i>longipes</i>	33.33	0.0894
<i>Rupicapnos muricaria</i> Pomel	33.33	0.0836
<i>Salsola algeriensis</i> Botsch.	100	0.0433
<i>Salsola cruciata</i> L. Chevall. ex Batt.	50	0.0914
<i>Stachys guyoniana</i> Batt.	25	0.0894

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 17: List of endemic and indicative species of Tadmaito-Golean district (TG).

	IndVal (%)	<i>p</i> -value
<i>Avena macrostachya</i> Balansa ex Coss. & Durieu	9.091	0.1848
<i>Galium bourgaeum</i> Coss. ex Ball subsp. <i>bourgaeum</i>	100	0.0472
<i>Lomelosia camelorum</i> (Coss. & Durieu) Greuter & Burdet	100	0.0472
<i>Moricandia spinosa</i> Pomel	25	0.1356
<i>Rupicapnos muricaria</i> Pomel	66.67	0.0472
<i>Stipa atlantica</i> Smirn.	33.33	0.1425

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 18: List of endemic and indicative species of Tindoufian district (TI).

	IndVal (%)	<i>p</i> -value
<i>Stipa atlantica</i> Smirn.	33.33	0.1396

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 19: List of endemic and indicative species of Tassilian district (TA).

	IndVal (%)	<i>p</i> -value
<i>Chiliadenus sericeus</i> subsp. <i>virescens</i> (Maire) Greuter	100	0.0499
<i>Cupressus dupreziana</i> A. Camus	100	0.0499
<i>Helianthemum geniorum</i> Maire	100	0.0499
<i>Pulicaria lothei</i> Maire	100	0.0499
<i>Reseda tefedestica</i> (Maire) Abdallah & de Wit	100	0.0499
<i>Rumex cyprius</i> subsp. <i>coloratus</i> Sam.	40	0.0982
<i>Rumex cyprius</i> subsp. <i>vesceritensis</i> (Murb.) Sam.	50	0.0982
<i>Spergularia microsperma</i> subsp. <i>fontenellei</i> (Maire) Greuter & Burdet	100	0.0499
<i>Teucrium polium</i> subsp. <i>chevalieri</i> Maire	100	0.0499

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.

Table 20: List of endemic and indicative species of Ahaggarian district (AH).

	IndVal (%)	<i>p</i> -value
<i>Ballota hirsuta</i> subsp. <i>saharica</i> (Diels) Greuter & Burdet	100	0.0497
<i>Campanula bordesiana</i> Maire subsp. <i>bordesiana</i>	100	0.0497
<i>Centaurea foucauldiana</i> Maire	100	0.0497
<i>Centaurea tougourensis</i> Boiss. & Reut.	25	0.1834
<i>Crambe kralikii</i> subsp. <i>garamas</i> (Maire) Podlech	100	0.0497
<i>Paronychia haggariensis</i> subsp. <i>sahariensis</i> Chaudhri	100	0.0497
<i>Polycarpaea robbairea</i> subsp. <i>garamantum</i> (Quézel) Dobignard	100	0.0497

IndVal values higher than 40% are marked in bold, *p*-value: Statistically significant at the 0.05.