Öykan K., Şentürk Ö., Arslan M., Negiy M.G., 2024. Prioritizing conservation areas based on contributions to rarity and beta diversity in Mediterranean forest Ecosystems in Türkiye

Table SI Species frequency (I_j), species specialization index (SSI_j) and species contributions to β-diversity ($SCBD_j$).

Species *j*	I_j	SSI_j	$SCBD_j$
Abies cilicica (Antoine & Kotschy) Carrière subsp. *isaurica* Coode & Cullen	15	200	0.003747109
Acantholimon confertiflorum Bokhari	145	175.830294	0.039217153
Acer campestre L. subsp. *campestre*	1	200	0.000230869
Acer hyrcanum Fisch. & C.A.Mey. subsp. *sphaerocaryum* Yalt.	12	115.9777316	0.003447071
Acer monspessulanum L. subsp. *monspessulanum*	19	146.492006	0.003889975
Ampelopsis orientalis (Lam.) Planch.	1	200	8.03024E-05
Anagyris foetida L.	1	200	0.000153913
Arbutus andrachne L.	15	200	0.002165801
Asparagus acutifolius L.	38	167.6733675	0.005511663
Astragalus angustifolius Lam. subsp. *angustifolius*	382	76.77771003	0.058037463
Astragalus micropterus Fisch.	1	200	0.000102609
Astragalus prusianus Boiss.	4	200	0.000406554
Berberis crataegina DC.	399	83.54797453	0.059535225
Calicotome villosa (Poir.) Link	1	200	0.000153913
Cedrus libani A.Rich.	50	200	0.010723393
Celtis planchoniana K.I.Chr.	6	200	0.000902305
Cerasus prostrata (Labill.) Ser.	2	200	0.000468486
Cercis siliquastrum L. subsp. *siliquastrum*	44	188.5124069	0.006115013
Cionura erecta (L.) Griseb.	6	200	0.000879949
Cistus salviifolius L.	152	99.7665222	0.027076761
Clematis cirrhosa L.	2	200	0.000295616
Colutea cilicica Boiss. & Balansa	57	69.99900461	0.011142107
Colutea melanocalyx Boiss. & Heldr. subsp. *melanocalyx*	6	200	0.000686044
Convolvulus cantabrica L.	4	200	0.000577164
Cornus mas L.	22	192.3658556	0.00296486
Cotoneaster nummularius Fisch. & C.A.Mey	76	151.9772426	0.017380236
Crataegus azarolus L. var. *azarolus*	6	200	0.000574998
Crataegus monogyna Jacq. var. *monogyna*	25	172.7861816	0.003185174
Crataegus orientalis Pallas ex Bieb. var. *orientalis*	188	90.93517405	0.034068868
Daphne gnidioides Jaub. & Spach	49	166.7032189	0.00770595
Daphne oleoides Schreb. subsp. *oleoides*	28	139.937573	0.006738907
Daphne sericea Vahl.	110	134.2616542	0.016583689
Dorycnium pentaphyllum Scop. *anatolicum* (Boiss.)Gams	1	200	9.72082E-05
Ephedra major Host.	1	200	0.000263851
Ficus carica L. subsp. *carica*	1	200	0.000142073
Fontanesia phillyraeoides Labill.	175	93.22112748	0.025906799
Fraxinus angustifolia Vahl subsp. *angustifolia*	10	183.0849854	0.001781153
Fraxinus ornus L. subsp. *cilicica* (Lingelsh.) Yalt.	22	148.8354859	0.00305354
Fumana arabica (L.) Spach	6	200	0.0008566
Fumana procumbens (Dunal) Gren. & Godr.	1	200	0.000115435
Genista januensis Viv. subsp. lydia (Boiss.) Kit Tan & Ziel.	4	200	0.000483149
Globularia tricosantha Fisch. & C.A.Mey subsp. *tricosantha*	2	200	0.000273656
Hedera helix L.	14	144.9514464	0.002206143
Hippocrepis emerus (L.) Lassen subsp. *emeroides* (Boiss. & Spruner) Lassen	34	180.0620505	0.004775783
Jasminium fructicans L.	50	124.8614194	0.008396923
Juniperus excelsa M.Bieb. subsp. *excelsa*	438	60.60955639	0.054934335
Juniperus foetidissima Willd.	5	135.0432115	0.0007884
Juniperus oxycedrus L. subsp. *oxycedrus*	542	24.92669329	0.047332556
Lonicera etrusca Santi var. *etrusca*	4	125.7284668	0.000496627
Lonicera nummulariifolia Jaub. & Spach subsp. *nummulariifolia*	13	173.8442163	0.001366815

Species *j*	I_j	SSI_j	$SCBD_j$
Marrubium globosum Montbret & Aucher ex Benth. subsp. *globosum*	4	200	0.00065516
Myrtus communis L.	17	200	0.002581052
Nerium oleander L.	10	200	0.001405688
Olea europaea L. subsp. *europaea*	35	200	0.005809392
Origanum minutiflorum O.Schwarz & P.H.Davis	82	106.1370362	0.016446421
Origanum onites L.	128	151.5994887	0.031235491
Ostrya carpinifolia Scop.	5	135.8857272	0.000644345
Osyris alba L.	1	200	0.000184696
Paliurus spina-christi Mill.	55	120.0269791	0.009022579
Paronychia lycica Chaudhri	1	200	0.000153913
Paronychia mughlaei Chaudhri	8	200	0.001181545
Phillyrea latifolia L.	197	118.059293	0.028356156
Phlomis grandiflora H.S. Thompson var. *grandiflora*	91	126.3615669	0.015828127
Pinus brutia Ten. var. *brutia*	282	101.0663115	0.036989551
Pinus nigra J.F.Arnold subsp. *pallasiana* (Lamb.) Asch. & Graebn.	259	114.4229827	0.050754097
Pistacia terebinthus subsp. *palaestina* (Boiss) Engl.	178	160.6840024	0.025430505
Platanus orientalis L.	50	79.57893601	0.009296757
Prunus divaricata Ledeb. var. *divaricata*	4	200	0.000812396
Prunus spinosa L.	8	122.0581154	0.001774357
Pyrus elaeagnifolia Pall. subsp. *elaeagnifolia*	16	137.8336981	0.004035927
Quercus cerris L.	258	115.5902529	0.046289023
Quercus coccifera L.	349	114.1692133	0.042241895
Quercus infectoria Oliv. subsp. *infectoria*	36	200	0.004865785
Quercus ithaburensis Decne. subsp. *macrolepis* (Kotschy) Hedge.	24	123.1204464	0.004679737
Q*uercus trojana* Webb subsp. *trojana*	6	200	0.001009157
Rhamnus libanotica Boiss.	1	200	0.000307826
Rhamnus nitida Davis	23	177.8674358	0.002962953
Rhus coriaria L.	4	123.850629	0.00083033
Rosa canina L.	124	53.88911836	0.027140418
Rosa pulverulenta M.Bieb	4	125.7284668	0.000735728
Rubus canescens DC. var. *canescens*	21	119.522521	0.004708187
Ruscus aculeatus L.	18	156.6244611	0.002455197
Salvia tomentosa Mill.	40	161.6423737	0.005740759
Satureja cuneifolia Ten.	2	200	0.000336731
Scutellaria orientalis L.	6	200	0.000881622
Sideritis condensata Boiss. & Heldr.	3	200	0.000298606
Sideritis pisidica Boiss. & Heldr.	19	112.3467688	0.003164865
Smilax aspera L.	16	200	0.002401113
Sorbus torminalis (L.) Crantz var. *torminalis*	5	167.6991964	0.001514882
Spartium junceum L.	19	158.5400918	0.002825692
Styrax officinalis L.	332	91.06461633	0.047202327
Tamarix parviflora DC.	1	200	8.39525E-05
Teucrium chamaedrys L. subsp. *Chamaedrys*	110	105.617672	0.02059991
Teucrium polium L. subsp. *polium*	246	84.5947343	0.042410446
Thymbra spicata L. var. *spicata*	37	124.5906913	0.008129633
Thymus longicaulis C.Presl subsp. *chaubardii* (Rchb. f) Jalas	3	200	0.000469364
Thymus zygioides Griseb.	4	200	0.000563221
Ulmus glabra Huds.	3	200	0.000599532
Veronica cuneifolia D.Don subsp. *cuneifolia*	1	200	0.000142073
Veronica macrostachya Vahl subsp. *macrostachya*	2	200	0.000368929
Veronica multifida L.	7	200	0.000999701
Vitex agnus-castus L.	10	200	0.001788248
Vitis vinifera L.	5	132.7760371	0.000633819

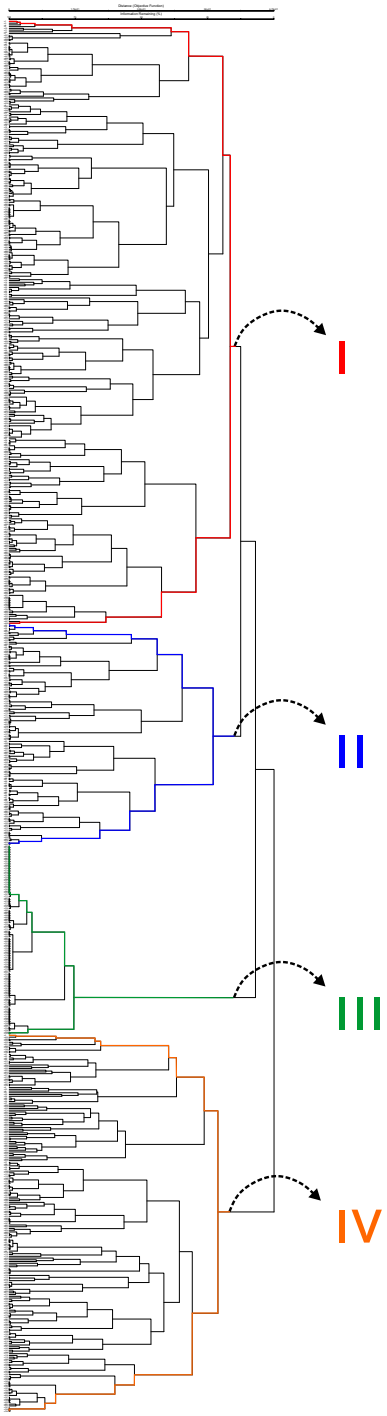

Figure S1 Cluster analys results of vegetation matrix (800 sampling plot x 103 species) of the Kuycan mountain district.