

Table 4. Abridged synoptic table of the dry grassland communities in the study region in NW Bulgaria

Species are arranged according to decreasing phi-values in the respective species blocks (only those species that were significant according to Fisher's exact test are included) and according to decreasing overall constancy for the non-diagnostic species. Percentage constancies are given, with the superscript symbols represent the phi values (** > 0.50; * > 0.25; ° > 0.00), and means of the header data, based on association means. Diagnostic species are highlighted in dark grey, while transgressive diagnostic species and differential species are highlighted in light grey and additionally marked in the column left of the species names. FB = *Festuco-Brometea*; CU = *Calluno-Ulicetea*; KC = *Koelerio-Corynephoretea*.

Tabelle 4. Gekürzte Stetigkeitstabelle der analysierten Trockenrasengesellschaften Nordwest-Bulgariens

Die Arten sind nach fallenden phi-Werten im jeweiligen Block angeordnet (wobei nur Arten mit statistisch signifikanter Häufung gemäß Fishers exaktem Test gelistet sind) bzw. nach fallender Gesamtstetigkeit im Fall der nicht diagnostischen Arten (Begleiter). Die Zahlen im Arteinzel der Tabelle stellen prozentuale Stetigkeitswerte dar, wobei die hochgestellten Symbole die phi-Werte repräsentieren (** > 0.50; * > 0.25; ° > 0.00), während die Zahlen im Kopfzeile der Tabelle Assoziationsmittelwerte sind. Diagnostische Arten sind in dunkelgrau hervorgehoben, transgressive diagnostische Arten und Differentialarten dagegen in hellgrau, mit zusätzlicher Kennzeichnung in der Spalte links vom Artnamen. FB = *Festuco-Brometea*; CU = *Calluno-Ulicetea*; KC = *Koelerio-Corynephoretea*.

Syntaxon	All	FB	CU	KC	1.1	1.2	1.3	2.1	3.1	3.2	1.1.1	1.1.2	1.1.3	1.2.1	1.2.2	1.2.3	1.3.1	2.1.1	3.1.1	3.2.1
Number of associations	7	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of relevés	58	22	23	12	2	6	16	7	20	8	4	9	3	6	14	6	14	6	14	20
Grazing intensity (0 = none to 3 = high)	0.9	0.8	0.8	1.1	0.6	0.8	1.3	0.8	1.2	1.0	0.5	1.0	0.3	0.8	0.7	1.0	1.3	0.8	1.2	1.0
Burning (0 = no; 1 = yes)	0.04	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Altitude [m a.s.l.]	1036	1113	1059	909	1077	1210	929	1059	901	916	1409	1003	819	1271	1275	1083	929	1059	901	916
Aspect [°]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inclination [°]	17	20	17	16	22	27	14	17	15	31	30	19	31	13	19	12	14	17	17	15
Heat index	0.05	0.11	-0.19	0.04	0.28	-0.04	0.03	-0.19	0.09	-0.01	0.65	-0.14	0.33	-0.06	-0.10	0.05	0.03	-0.19	0.09	-0.01
Microrelief [cm]	14	17	8	13	28	11	4	8	16	7	6	4	31	2	4	8	16	9	16	9
Total vegetation cover [%]	80	79	93	71	63	93	89	93	61	81	77	72	40	97	94	87	89	93	61	81
Cover shrub layer [%]	0.2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Cover herb layer [%]	73	76	92	54	58	91	87	92	39	70	70	70	33	97	93	84	87	92	39	70
Cover cryptogam layer [%]	10	5	3	23	7	4	3	3	28	18	8	4	8	2	2	7	3	28	18	18
Cover dead wood [%]	0.1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cover litter [%]	20	22	8	10	11	25	46	8	4	16	18	15	1	37	28	11	46	8	4	16
Cover stones and rocks [%]	11	14	0	14	29	3	0	0	19	8	17	28	43	0	3	6	0	0	19	8
Cover fine earth [%]	7	8	13	12	13	6	4	31	2	2	6	4	31	2	2	6	4	31	2	2
Species richness (total)	38.4	41.0	41.0	32.5	38.8	45.5	34.5	41.0	28.6	36.4	40.8	48.4	27.1	41.9	46.7	47.9	34.5	41.0	28.6	36.4
Species richness (vascular plants)	34.1	37.5	37.0	26.0	34.4	42.2	32.5	37.0	20.8	31.2	36.5	44.8	22.0	39.8	43.2	43.6	32.5	37.0	20.8	31.2
Species richness (bryophytes)	2.6	2.4	3.2	2.9	2.6	2.7	1.4	3.2	3.1	2.8	2.0	3.0	2.8	2.1	3.2	2.7	1.4	3.2	3.1	2.8
Species richness (lichens)	1.8	1.1	0.8	3.7	1.8	0.6	0.6	0.8	4.9	2.5	2.1	0.6	2.8	0.0	0.3	1.4	0.6	0.8	4.9	2.5
Cl. 1 - Festuco-Brometea																				
<i>Teucrium chamaedrys</i>	42	67**	-	13	75*	76*	14	-	-	25	75*	100*	50*	44	83*	100*	14	-	-	25
<i>Veronica austriaca</i> subsp. <i>austriaca</i>	26	42*	-	3	43*	56*	-	-	-	7	38*	90*	-	33*	50*	86*	-	-	-	7
<i>Helianthemum nummularium</i>	18	42*	-	5	43*	53*	43*	-	-	10	75*	90*	-	33*	50*	86*	14	43*	-	10
<i>Sesleria latifolia</i>	18	34*	-	-	43*	36*	-	-	-	-	88**	40*	-	11	83*	14	-	-	-	-
<i>Filipendula vulgaris</i>	22	33*	-	-	23	40*	43*	-	-	-	70*	-	-	44	33*	43*	43*	-	-	-
<i>Medicago lupulina</i>	18	33*	-	-	28*	49*	-	-	-	-	25*	60*	-	11	50*	86*	-	-	-	-
<i>Scabiosa columbaria</i> subsp. <i>columbaria</i>	17	29**	-	3	30*	38*	-	-	-	5	50*	40*	-	22*	50*	43*	-	-	-	5
<i>Seseli pseudonioides</i>	14	25*	-	-	20*	34*	14	-	-	-	50*	10	-	14	22*	63*	14	14	-	-
<i>Carex humilis</i>	13	23*	-	-	35*	29*	-	-	-	-	75**	30*	-	11	50*	86*	-	-	-	-
<i>Tortella tortuosa</i>	13	23*	-	-	25*	29*	-	-	-	-	25*	50*	-	11	33*	43*	-	-	-	-
<i>Medicago sativa</i> subsp. <i>fakata</i>	13	23*	-	-	23*	29*	-	-	-	-	70*	-	-	17*	71**	-	-	-	-	-
<i>Acinos arvensis</i>	12	22*	-	-	21*	29*	-	-	-	-	13	50*	-	17*	71**	-	-	-	-	-
All. 1.1 - Saturejon montanae (order Stipo pulcherrimae-Festucetalia pallentis)																				
<i>Asterula purpurea</i> subsp. <i>purpurea</i>	46	42*	-	9	83**	15	-	-	-	29	40*	75*	100*	75*	17	29	-	-	-	10
<i>Koeleria macrantha</i> agg.	26	11*	-	37	88**	42	43	-	-	7	15	75*	90*	100*	22	33	71*	43	-	45
<i>Allium flavum</i> subsp. <i>flavum</i>	11	19*	-	-	33*	10	-	-	-	-	85**	40*	-	100*	-	-	-	-	-	-
<i>Satureja montana</i> subsp. <i>kitabelli</i>	14	23*	-	-	43*	10	-	-	-	-	60**	80**	-	17*	14	-	-	-	-	-
<i>Teucrium montanum</i>	14	24*	-	-	41*	16	-	-	-	-	63*	80**	-	33*	14	-	-	-	-	-
<i>Sedum hispanicum</i>	4	8*	-	-	16*	-	7*	-	-	-	13*	10*	25*	-	-	-	-	-	-	7*
<i>Vincetoxicum hirsutarium</i>	5	9*	-	-	16*	6	-	-	-	-	38*	10*	25*	-	-	-	-	-	-	7*
Assoc. 1.1.1 - Dianthus petraeus-Sesleria latifolia comm.																				
<i>Potentilla cinerea</i> agg.	12	23*	-	-	33*	20*	-	-	-	-	100**	20*	-	11	33*	14	-	-	-	-
<i>Eryngium diffractum</i>	7	12*	-	-	28*	8	-	-	-	-	63**	40*	-	22*	17	-	-	-	-	-
<i>Dianthus petraeus</i>	15	24*	-	4	43*	13	-	-	-	7	10	88**	40*	-	22*	17	-	-	-	7
<i>Sedum ochroleucum</i>	3	5*	-	-	13*	-	-	-	-	-	38**	-	-	-	-	-	-	-	-	-
<i>Sesleria rigida</i>	3	5*	-	-	13*	-	-	-	-	-	38**	-	-	-	-	-	-	-	-	-
<i>Draha hissarica</i>	4	7*	-	-	13*	5	-	-	-	-	38**	-	-	-	-	-	-	-	-	-
<i>Astragalus nonpessulatus</i>	2	4*	-	-	8*	-	-	-	-	-	25*	20*	-	-	-	-	-	-	-	-
<i>Inula ensifolia</i>	2	4*	-	-	8*	-	-	-	-	-	25*	20*	-	-	-	-	-	-	-	-
<i>Iris reichenbachii</i>	2	4*	-	-	8*	-	-	-	-	-	25*	20*	-	-	-	-	-	-	-	-
<i>Omithogalum comosum</i>	2	4*	-	-	8*	-	-	-	-	-	25*	20*	-	-	-	-	-	-	-	-
<i>Stipa cf. pennata</i> subsp. <i>ericaulis</i>	2	4*	-	-	8*	-	-	-	-	-	25*	20*	-	-	-	-	-	-	-	-
<i>Tomus sordidus</i>	2	4*	-	-	8*	-	-	-	-	-	25*	20*	-	-	-	-	-	-	-	-
<i>Anthyllus vulneraria</i>	8	14*	-	-	17*	17*	-	-	-	-	50*	10*	22*	-	29*	-	-	-	-	-
<i>Verbascum lychnitis</i>	6	9*	-	3	16*	5	-	-	-	5	38*	10*	-	-	14*	-	-	-	-	5
<i>Cetraria islandica</i>	4	4*	-	7*	8*	-	-	-	-	14*	25*	-	-	-	-	-	-	-	-	14*
<i>Sedum album</i>	7	12*	-	-	19*	8*	-	-	-	-	38*	20*	-	11*	14*	-	-	-	-	-
<i>Cornula varia</i>	3	6*	-	-	8*	6*	-	-	-	-	25*	-	-	-	17*	-	-	-	-	-
<i>Ditrichum flexicaule</i>	3	6*	-	-	8*	6*	-	-	-	-	25*	-	-	-	17*	-	-	-	-	-
<i>Pedicularis leucodan subsp. occulta</i>	3	6*	-	-	8*	6*	-	-	-	-	25*	-	-	-	17*	-	-	-	-	-
<i>Seseli degeneri</i>	3	6*	-	-	8*	6*	-	-	-	-	25*	-	-	-	17*	-	-	-	-	-
<i>Cladonia pocillum</i>	7	9*	17*	3	13*	10*	-	-	-	17*	5	38**	10	-	-	29*	-	-	-	17*
<i>Cladonia symphyctaria</i>	10	11*	17*	8	16*	10	-	-	-	17*	15*	38**	10	-	-	29*	-	-	-	17*
Assoc. 1.1.2 - Achillea clypeolata-Festuca stojanovii comm.																				
<i>Inula oculus-christi</i>	10	16*	-	-	27*	10	-	-	-	-	80**	-	-	-	29*	-	-	-	-	-
<i>Geranium columbinum</i>	11	16*	-	3	27*	10	-	-	-	5	80**	-	-	-	29*	-	-	-	-	-
<i>Stachys recta</i>	5	7*	-	-	17*	-	-	-	-	-	50**	-	-	-	29*	-	-	-	-	-
<i>Achillea clypeolata</i>	9	14*	-	-	32*	-	-	-	-	-	25*	70**	-	-	-	-	-	-	-	-
<i>Orbitula grandiflora</i>	8	10*	-	3	20*	-	7	-	-	5	60**	-	-	-	17*	-	-	-	-	5
<i>Poa compressa</i>	8	10*	-	3	20*	-	7	-	-	5	60**	-	-	11*	-	-	-	-	-	