No.	Species	100 m	200 m	300 m	400 m	500 m	600 m	700 m	800 m	900 m	1000 m	1100 m	1200 m	1300 m	1400 m	1500 m	1600 m	1700 m	1800 m	1900 m	2000 m	2100 m	2200 m	2300 m
1	*Galanthus transcaucasicus Fomin*																							
2	*Muscari neglectum Guss. ex Ten.*																							
3	*Ornithogalum sintenisii Freyn*																							
4	*Polygonatum orientale Desf.*																							
5	*Ruscus hyrcanus Woronow*																							
6	*Scilla greilhuberi Speta*																							
7	*Scilla siberica subsp. caucasica (Miscz.) Mordak*																							
8	*Crocus speciosus M.Bieb.*																							
9	*Gagea bohemica (Zauschn.) Schult. & Schult.f*																							
10	*Amaranthus viridis*																							
11	*Chenopodium album L.*																							
12	*Eryngium caeruleum M.Bieb.*																							
13	*Vincetoxicum scandens Sommier & Levier*																							
14	*Impatiens noli-tangere L.*																							
15	*Myosotis anomala Riedl*																							
16	*Myosotis lithospermifolia (Willd.) Hornem.*																							
17	*Cardamine bulbifera (L.) Crantz*																							
18	*Cardamine impatiens L.*																							
19	*Thlaspi hastulatum Steven*																							
20	*Campanula odontosepala Boiss.*																							
21	*Sambucus ebulus L.*																							
22	*Minuartia recurva (All.) Schinz et thellung*																							
23	*Scleranthus orientalis Rössler*																							
24	*Stellaria media (L.) Vill.*																							
25	*Helianthemum nummularium (L.) Mill.*																							
26	*Achillea setacea Waldst. & Kit.*																							
27	*Artemisia annua L.*																							
28	*Aster alpinus L.*																							
29	*Bidens tripartita L.*																							
30	*Carduus seminudus M.Bieb. ex M.Bieb.*																							
31	*Cirsium echinus (M.Bieb.) Hand.-Mazz.*																							
32	*Erigeron bonariensis L.*																							
33	*Erigeron canadensis L.*																							
34	*Jurinea moschus Bobrov*																							
35	*Lapsana communis L.*																							
36	*Psephellus zuvandicus Sosn.*																							
37	*Senecio leucanthemifolius Greuter*																							
38	*Tanacetum parthenium (L.) Sch.Bip.*																							
39	*Tragopogon reticulatus Boiss. & A.Huet*																							
40	*Calystegia silvatica (Kit.) Griseb.*																							
41	*Sedum gracile C.A. Mey.*																							
42	*Sedum stoloniferum S.G.Gmel.*																							
43	*Dipsacus strigosus Willd. ex Roem. & Schult.*																							
44	*Acalypha australis L.*																							
45	*Euphorbia macroceras Fisch. & C.A.Mey.*																							
46	*Mercurialis perennis L.*																							
47	*Erodium cicutarium (L.) L'Hér.*																							
48	*Geranium molle L.*																							
49	*Hypericum androsaemum L.*																							
50	*Hypericum perforatum L.*																							

No.	Species	100 m	200 m	300 m	400 m	500 m	600 m	700 m	800 m	900 m	1000 m	1100 m	1200 m	1300 m	1400 m	1500 m	1600 m	1700 m	1800 m	1900 m	2000 m	2100 m	2200 m	2300 m
51	*Clinopodium umbrosum (M.Bieb.) Kuntze*																							
52	*Lamium album L.*																							
53	*Lamium galeobdolon (L.) Crantz*																							
54	*Mentha aquatica L.*																							
55	*Satureja intermedia C.A.Mey.*																							
56	*Astracantha aurea (Willd.)*																							
57	*Trifolium pratense L.*																							
58	*Trifolium repens L.*																							
59	*Vicia crocea (Desf.) Fritsch*																							
60	*Epilobium parviflorum Schreb.*																							
61	*Oxalis acetosella L.*																							
62	*Papaver orientale L.*																							
63	*Plantago lagopus L.*																							
64	*Plantago major*																							
65	*Veronica persica Poir.*																							
66	*Polygonum aviculare L.*																							
67	*Rumex acetosa L.*																							
68	*Rumex acetosella L.*																							
69	*Rumex conglomeratus Murray*																							
70	*Cyclamen coum Mill.*																							
71	*Primula heterochroma Stapf*																							
72	*Pulsatilla albana (Stev.) Bercht. & J. Presl*																							
73	*Alchemilla caucasica Buser*																							
74	*Fragaria vesca L.*																							
75	*Geum urbanum L.*																							
76	*Potentilla meyeri Boiss.*																							
77	*Potentilla micrantha Ram. ex DC*																							
78	*Rubus dolichocarpus Juz.*																							
79	*Rubus hirsutus Thunb*																							
80	*Rubus hyrcanus Juz.*																							
81	*Sibaldia parviflora*																							
82	*Crucianella gilanica Trin.*																							
83	*Cruciata laevipes Opiz*																							
84	*Galium ghilanicum Stapf*																							
85	*Galium odoratum (L.) Scop.*																							
86	*Scrophularia umbrosa Dumort.*																							
87	*Scrophularia vernalis L.*																							
88	*Verbascum speciosum Schrad.*																							
89	*Atropa belladonna L.*																							
90	*Solanum kieseritzkii C.A. Mey.*																							
91	*Parietaria officinalis L.*																							
92	*Urtica dioica L.*																							
93	*Viola alba Besser*																							
94	*Viola ignobilis Rupr.*																							
95	*Viola reichenbachiana Jord. ex Boreau*																							
96	*Viola sieheana W.Becker*																							
97	*Carex caryophyllea Latourr.*																							
98	*Carex digitata L.*																							
99	*Carex divulsa Stokes*																							
100	*Carex humilis Leyss.*																							
101	*Carex pendula Huds.*																							
102	*Carex remota L.*																							
103	*Carex strigosa Huds.*																							

No.	Species	100 m	200 m	300 m	400 m	500 m	600 m	700 m	800 m	900 m	1000 m	1100 m	1200 m	1300 m	1400 m	1500 m	1600 m	1700 m	1800 m	1900 m	2000 m	2100 m	2200 m	2300 m
104	*Luzula forsteri (Sm.) DC.*																							
105	*Brachypodium sylvaticum (Huds.) P.Beauv.*																							
106	*Bromus tectorum L.*																							
107	*Cynodon dactylon (L.) Pers.*																							
108	*Dactylis glomerata L.*																							
109	*Deschampsia cespitosa (L.) P.Beauv*																							
110	*Digitaria sanguinalis (L.) Scop.*																							
111	*Eleusine indica (L.) Gaertn.*																							
112	*Festuca drymeja Mert. & W.D.J.Koch*																							
113	*Festuca rechingeri E.B.Alexeev*																							
114	*Koeleria pyramidata (Lam.) P.Beauv.*																							
115	*Microstegium vimineum (Trin.) A.Camus*																							
116	*Milium vernale M.Bieb.*																							
117	*Oplismenus undulatifolius (Ard.) Roem. & Schult.*																							
118	*Paspalum dilatatum Poir.*																							
119	*Paspalum distichum L.*																							
120	*Poa annua L.*																							
121	*Poa longifolia Trin.*																							
122	*Poa nemoralis L.*																							
123	*Poa pratensis L.*																							
124	*Poa trivialis L.*																							
125	*Trisetum flavescens (L.) P. Beauv*																							
126	*Vulpia myuros (L.) C.C.Gmel.*																							
127	*Ilex spinigera (Loes.) Loes.*																							
128	*Vaccinium arctostaphylos L.*																							
129	*Crataegus microphylla K.Koch*																							
130	*Crataegus pentagyna Waldst. & Kit. ex Willd*																							
131	*Mespilus germanica L.*																							
132	*Prunus cerasifera Ehrh.*																							
133	*Prunus spinosa L.*																							
134	*Picea abies*																							
135	*Pinus nigra J.F.Arnold*																							
136	*Acer cappadocicum Gled.*																							
137	*Acer mazandaranicum Amini, H.Zare & Assadi*																							
138	*Acer velutinum Boiss.*																							
139	*Alnus subcordata C.A.Mey.*																							
140	*Carpinus betulus L.*																							
141	*Diospyros lotus L.*																							
142	*Gleditsia caspia Desf.*																							
143	*Fagus orientalis Lipsky*																							
144	*Parrotia persica C.A.Mey.*																							
145	*Juglans regia L.*																							
146	*Pterocarya fraxinifolia (Poir.) Spach*																							
147	*Fraxinus excelsior (Scheele) A.E.Murray*																							
148	*Populus deltoides Marshall*																							
149	*Tilia rubra subsp. caucasica (Rupr.) V.Engl.*																							
150	*Ulmus glabra Huds.*																							

Supplementary 3: comparing the list of the species found within the 5-meter diameter at each elevation point with eDNA results in AS-transect. Columns in gray showing lost traps. Black cells are the results of the vegetation survey while the dark-green cells showing the same species of vegetation survey found by metabarcoding, the light-green cells showing different species from the same genus and the olive-green cells indicating both (the same species found in vegetation survey plus another species from the same genus).