

APPENDIX

The life form (LF), dispersal mode (DM), altitude in meters (AH), type of habitat (HT), seed mass (SS), and mean weighted germination index (WGI) of species in the alpine meadow on the eastern Qinghai-Tibet plateau. The Angiosperm Phylogeny Group (2003) was used to assign the affiliation of each species to higher levels. Life form: forb (F), graminoid plants (G), and woody plants (W). Dispersal mode: (1) adhesion-adapted, (2) ant-adapted, (3) unassisted, (4) vertebrate-adapted, and (5) wind-adapted. Seed mass: mean value per seed (mg).

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
Monocots									
Asparagales									
Iridaceae									
			<i>Iris lactea</i>	F	3	2700	1	16.00 ± 0.08	0.0000
			<i>Iris tenuifolia</i> Pall	F	3	2400	1	9.36 ± 0.03	0.0000
Liliales									
Liliaceae									
			<i>Allium beesianum</i>	F	2	3500	1	0.48 ± 0.03	0.7233
			<i>Allium chrysanthum</i>	F	2	3500	2	0.59 ± 0.02	0.4751
			<i>Allium cyaneum</i>	F	2	3600	2	0.63 ± 0.01	0.6556
			<i>Allium macranthum</i>	F	2	2200	4	2.83 ± 0.05	0.6383
			<i>Allium polyrhizum</i>	F	2	2500	2	1.68 ± 0.01	0.1340
			<i>Allium prattii</i>	F	2	2000	4	2.53 ± 0.04	0.0000
			<i>Allium przewalskianum</i>	F	2	3300	2	0.70 ± 0.06	0.7493
			<i>Allium ramosum</i>	F	2	2400	2	2.40 ± 0.02	0.1096
			<i>Allium sikkimense</i>	F	2	3300	2	2.06 ± 0.02	0.1599
			<i>Allium</i> sp.	F	2	2200	4	2.19 ± 0.08	0.2162
			<i>Allium victorialis</i>	F	3	2400	2	2.94 ± 0.05	0.0000
			<i>Allium victorialis</i> var. <i>listera</i>	F	3	2350	4	0.88 ± 0.01	0.0202
			<i>Lilium callosum</i>	F	3	2200	4	2.81 ± 0.05	0.0366
			<i>Lilium pumilum</i> DC.	F	3	2500	4	2.43 ± 0.05	0.2378
Commelinids									
Poales									
Cyperaceae									
			<i>Blysmocarex nudicarpa</i>	G	3	3500	4	0.71 ± 0.01	0.0000
			<i>Blysmus sinocompressus</i>	G	3	3300	1	0.61 ± 0.01	0.0026
			<i>Carex crebra</i>	G	3	2800	2	1.13 ± 0.03	0.0021
			<i>Carex</i> sp.	G	3	3550	4	0.87 ± 0.01	0.0056
			<i>Carex stiptinux</i>	G	3	3500	2	1.19 ± 0.02	0.0043
			<i>Kobresia bellardii</i>	G	3	3100	1	1.22 ± 0.03	0.0000
			<i>Kobresia capillifolia</i>	G	3	3800	2	1.25 ± 0.04	0.0348
			<i>Kobresia humilis</i>	G	3	3200	1	0.51 ± 0.02	0.0422
			<i>Kobresia kansuensis</i>	G	3	3800	3	0.82 ± 0.01	0.4343
			<i>Kobresia macrantha</i>	G	3	3100	1	0.59 ± 0.01	0.0359
			<i>Kobresia pygmaea</i>	G	3	3500	2	1.16 ± 0.02	0.0048
			<i>Kobresia</i> sp. 1	G	3	3100	1	0.51 ± 0.00	0.2431
			<i>Kobresia</i> sp. 2	G	3	3600	2	0.56 ± 0.01	0.0037
			<i>Kobresia</i> sp. 3	G	3	4100	2	1.42 ± 0.05	0.0071
			<i>Kobresia</i> sp. 4	G	3	3100	1	0.53 ± 0.01	0.0034
			<i>Kobresia</i> sp. 5	G	3	3500	1	0.59 ± 0.01	0.1413
			<i>Kobresia</i> sp. 6	G	3	2800	2	0.24 ± 0.02	0.0097
			<i>Kobresia</i> sp. 7	G	3	3100	1	0.51 ± 0.01	0.0974
			<i>Kobresia</i> sp. 8	G	3	4000	2	1.54 ± 0.03	0.0253
			<i>Kobresia tibetica</i>	G	3	2900	1	0.43 ± 0.01	0.0109
			<i>Scirpus pumilus</i>	G	3	2900	4	0.63 ± 0.02	0.0000
			<i>Scirpus setaceus</i>	G	3	3100	2	0.08 ± 0.00	0.0093
Juncaceae									
			<i>Juncus allioides</i>	G	3	2350	4	0.02 ± 0.00	0.0104
			<i>Juncus bufonius</i>	G	3	2700	2	0.02 ± 0.00	0.0000
			<i>Juncus effusus</i>	G	3	3500	1	0.04 ± 0.00	0.1578
			<i>Juncus giganteus</i>	G	3	3500	4	0.03 ± 0.00	0.1400
			<i>Juncus himalensis</i>	G	3	3600	2	0.04 ± 0.00	0.2654
			<i>Juncus leucanthus</i>	G	3	3500	2	0.03 ± 0.00	0.0056
			<i>Juncus sphacelatus</i>	G	3	3500	1	0.03 ± 0.00	0.1723
			<i>Juncus thomsonii</i>	G	3	3900	3	0.05 ± 0.00	0.0111
Poaceae									
			<i>Achnatherum</i> sp. 1	G	3	2300	1	0.23 ± 0.01	0.6717
			<i>Achnatherum</i> sp. 2	G	3	2200	4	3.93 ± 0.13	0.7944
			<i>Achnatherum splendens</i>	G	3	2800	2	4.39 ± 0.02	0.6863

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Agrostis</i> sp. 1	G	3	2200	1	1.30 ± 0.02	0.2166
			<i>Agrostis</i> sp. 2	G	3	2200	1	0.11 ± 0.00	0.8331
			<i>Agrostis stolonifera</i>	G	3	3100	1	0.12 ± 0.00	0.7234
			<i>Agrostis trinii</i>	G	3	3500	1	0.36 ± 0.01	0.6706
			<i>Avena fatua</i> L.	G	3	3100	4	15.16 ± 0.21	0.1290
			<i>Avena sativa</i> L.	G	3	2350	4	2.54 ± 0.04	0.5157
			<i>Beckmannia syzigachne</i>	G	3	2940	4	0.55 ± 0.01	0.0050
			<i>Brachypodium sylvaticum</i>	G	3	2800	4	3.60 ± 0.03	0.5907
			<i>Brachypodium sylvaticum</i>	G	3	2300	1	2.46 ± 0.04	0.5792
			<i>Bromus japonicus</i>	G	3	2700	4	3.30 ± 0.12	0.9275
			<i>Bromus magnus</i>	G	3	3500	3	1.75 ± 0.04	0.1208
			<i>Bromus sinensis</i>	G	3	3100	1	4.05 ± 0.07	0.5987
			<i>Deschampsia littoralis</i>	G	3	3100	2	0.24 ± 0.01	0.6754
			<i>Deyeuxia arundinacea</i>	G	3	3520	1	0.29 ± 0.00	0.7459
			<i>Digitaria sanguinalis</i>	G	3	2400	4	0.46 ± 0.00	0.6406
			<i>Elymus atrattus</i>	G	3	4250	4	3.93 ± 0.13	0.7838
			<i>Elymus excelsus</i>	G	3	2700	2	4.29 ± 0.24	0.9259
			<i>Elymus sibiricus</i>	G	3	2940	4	3.20 ± 0.04	0.9259
			<i>Eragrostis nigra</i>	G	3	2800	2	0.15 ± 0.01	0.1356
			<i>Festuca ovina</i>	G	3	4000	2	0.39 ± 0.02	0.4490
			<i>Festuca sinensis</i>	G	3	2800	4	0.93 ± 0.00	0.6755
			<i>Festuca</i> sp.	G	3	3100	1	1.64 ± 0.01	0.7966
			<i>Lolium persicum</i>	G	3	2000	4	8.91 ± 0.10	0.0356
			<i>Oryzopsis munroi</i>	G	3	2940	2	1.63 ± 0.01	0.7420
			<i>Poa micrandra</i>	G	3	2900	1	0.35 ± 0.01	0.6929
			<i>Poa poophagorum</i>	G	3	2950	1	0.32 ± 0.00	0.8297
			<i>Poa pratensis</i>	G	3	3150	2	0.30 ± 0.01	0.8355
			<i>Poa</i> sp. 1	G	3	2100	1	0.31 ± 0.00	0.8297
			<i>Poa</i> sp. 2	G	3	2700	4	0.27 ± 0.00	0.7954
			<i>Ptilagrostis dichotoma</i>	G	5	4200	2	0.87 ± 0.02	0.7656
			<i>Ptilagrostis</i> sp.	G	5	3150	2	2.08 ± 0.02	0.3647
			<i>Roegneria nutans</i>	G	3	3100	4	4.03 ± 0.04	0.8207
			<i>Roegneria</i> sp. 1	G	3	2100	1	4.08 ± 0.01	0.7904
			<i>Roegneria</i> sp. 2	G	3	3500	2	3.60 ± 0.03	0.8447
			<i>Setaria viridis</i>	G	3	2200	1	0.80 ± 0.01	0.0247
			<i>Stipa aliena</i>	G	1	3800	1	4.72 ± 0.09	0.5927
			<i>Stipa capillacea</i>	G	1	3500	2	4.65 ± 0.15	0.5467
			<i>Stipa przewalskyi</i>	G	1	2800	1	2.65 ± 0.01	0.9482
			Poaceae sp. 1	G	3	2100	1	4.91 ± 0.09	0.7951
			Poaceae sp. 2	G	3	2100	1	0.32 ± 0.00	0.8428
Eudicots									
		Ranunculales							
		Berberidaceae							
			<i>Berberis diaphana</i>	w	4	2900	4	8.93 ± 0.12	0.0000
			<i>Berberis henryana</i>	w	4	2900	4	7.33 ± 0.04	0.0000
			<i>Berberis jamesiana</i>	w	4	2900	4	2.78 ± 0.04	0.0000
			<i>Berberis polyantha</i>	w	4	2900	4	6.00 ± 0.31	0.0000
			<i>Berberis silva-taroucana</i>	w	4	2900	4	11.05 ± 0.25	0.0000
			<i>Berberis</i> sp. 1	w	4	2900	4	10.53 ± 0.27	0.0000
			<i>Berberis</i> sp. 2	w	4	2900	4	10.58 ± 0.06	0.0000
			<i>Berberis</i> sp. 3	w	4	2900	4	3.39 ± 0.02	0.0000
			<i>Berberis wilsonae</i>	w	4	2900	4	3.98 ± 0.03	0.0000
		Papaveraceae							
			<i>Corydalis edulis</i>	F	3	2400	2	0.87 ± 0.01	0.0111
			<i>Corydalis edulis</i>	F	3	2600	1	0.86 ± 0.01	0.0000
			<i>Corydalis melanochlora</i>	F	3	2700	4	1.50 ± 0.03	0.0024
			<i>Dicranostigma lactucoides</i>	F	3	3000	4	0.66 ± 0.00	0.1382
			<i>Dicranostigma</i> sp.	F	3	2800	2	0.63 ± 0.00	0.1302
			<i>Meconopsis integrifolia</i>	F	3	3150	4	0.49 ± 0.01	0.0000
		Ranunculaceae							
			<i>Aconitum brunneum</i>	F	3	3300	4	1.27 ± 0.04	0.3538
			<i>Aconitum flavum</i>	F	3	2300	4	1.21 ± 0.02	0.5284
			<i>Aconitum gymmandrum</i>	F	3	2100	1	0.84 ± 0.01	0.0117

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Aconitum sinomontanum</i>	F	3	2200	1	2.34 ± 0.03	0.0750
			<i>Aconitum</i> sp.	F	3	3000	2	0.87 ± 0.02	0.4150
			<i>Aconitum sungpanense</i>	F	3	2300	4	0.57 ± 0.00	0.0000
			<i>Aconitum tanguticum</i>	F	3	3900	3	0.63 ± 0.00	0.0099
			<i>Adonis amurensis</i>	F	5	3800	2	0.48 ± 0.01	0.4226
			<i>Anemone obtusiloba</i>	F	1	3000	2	2.06 ± 0.03	0.0120
			<i>Anemone rivularis</i>	F	1	3300	4	5.47 ± 0.08	0.2756
			<i>Anemone rivularis</i> var. <i>barbulata</i>	F	1	3700	1	5.08 ± 0.12	0.0516
			<i>Aquilegia oxysepala</i>	F	3	2400	1	1.08 ± 0.01	0.0220
			<i>Batrachium buhgei</i>	F	3	3100	2	1.09 ± 0.03	0.0000
			<i>Cimicifuga foetida</i>	F	3	2300	4	4.16 ± 0.04	0.5191
			<i>Cimicifuga</i> sp. 1	F	3	2300	4	0.46 ± 0.0	0.0000
			<i>Cimicifuga</i> sp. 2	F	3	3500	4	0.35 ± 0.00	0.0062
			<i>Cimicifuga</i> sp. 3	F	3	2300	1	0.34 ± 0.00	0.0019
			<i>Circaeaster agrestis</i>	F	3	3500	4	1.61 ± 0.05	0.2717
			<i>Circaeaster</i> sp.	F	3	4000	2	0.54 ± 0.01	0.7878
			<i>Clematis glauca</i>	F	5	2200	4	1.36 ± 0.01	0.4720
			<i>Clematis nannophylla</i>	F	5	2800	1	1.44 ± 0.00	0.2078
			<i>Clematis tangutica</i>	W	5	2600	2	2.66 ± 0.06	0.3854
			<i>Delphinium camphylocentrum</i>	F	3	3900	3	0.68 ± 0.01	0.0206
			<i>Delphinium kamaoense</i>	F	3	3550	2	0.54 ± 0.01	0.7145
			<i>Delphinium</i> sp. 1	F	3	2800	4	0.70 ± 0.02	0.6396
			<i>Delphinium</i> sp. 2	F	3	4000	2	0.60 ± 0.02	0.0000
			<i>Delphinium</i> sp. 3	F	3	3150	4	0.59 ± 0.01	0.3443
			<i>Delphinium</i> sp. 4	F	3	4000	2	0.46 ± 0.01	0.4252
			<i>Delphinium sparsiflorum</i>	F	3	3500	4	0.72 ± 0.01	0.0099
			<i>Paeonia veitchii</i>	F	3	3550	3	64.91 ± 1.51	0.0500
			<i>Ranunculus affinis</i>	F	3	3100	4	0.31 ± 0.01	0.2359
			<i>Ranunculus brotherusii</i>	F	3	3300	1	0.35 ± 0.01	0.2083
			<i>Ranunculus japonicus</i>	F	3	2200	1	4.45 ± 3.34	0.1246
			<i>Ranunculus pulchelus</i>	F	3	3000	3	1.81 ± 1.38	0.0130
			<i>Ranunculus</i> sp.	F	3	3100	1	0.27 ± 0.01	0.0104
			<i>Thalictrum cultratum</i>	F	1	3000	2	0.74 ± 0.01	0.4051
			<i>Thalictrum minus</i>	F	1	2400	4	1.11 ± 0.01	0.3545
			<i>Thalictrum minus</i> var. <i>hypoleucum</i>	F	1	2700	2	1.06 ± 0.01	0.5848
			<i>Thalictrum petaloideum</i>	F	1	3500	4	1.52 ± 0.01	0.2544
			<i>Thalictrum przewalskii</i>	F	1	3800	3	1.74 ± 0.03	0.3332
			<i>Thalictrum</i> sp. 1	F	1	2200	4	5.25 ± 0.04	0.0000
			<i>Thalictrum</i> sp. 2	F	1	3100	1	1.25 ± 0.05	0.1378
			<i>Thalictrum</i> sp. 3	F	1	2900	4	0.88 ± 0.01	0.6177
			<i>Thalictrum</i> sp. 4	F	1	2400	1	3.56 ± 0.03	0.1288
			<i>Thalictrum</i> sp. 5	F	1	2900	4	3.89 ± 0.04	0.1573
			<i>Thalictrum</i> sp. 6	F	1	2200	4	1.91 ± 0.07	0.2476
			<i>Thalictrum uncatum</i>	F	1	3500	4	4.71 ± 0.01	0.4222
			<i>Trollius farreri</i>	F	3	3000	2	0.52 ± 0.01	0.0659
Core eudicots									
	Caryophyllales								
		Chenopodiaceae							
			<i>Axyris amaranthoides</i>	F	3	2400	1	1.28 ± 0.01	0.7187
			<i>Chenopodium aristatum</i>	F	3	2500	2	0.14 ± 0.00	0.0236
			<i>Chenopodium foetidum</i>	F	3	2500	4	0.14 ± 0.00	0.0303
			<i>Chenopodium hybridum</i>	F	3	2950	1	1.42 ± 0.02	0.0523
			<i>Chenopodium iljinii</i>	F	3	2400	2	0.82 ± 0.00	0.2063
			<i>Kochia scoparia</i>	F	3	2200	1	0.58 ± 0.01	0.8922
		Caryophyllaceae							
			<i>Arenaria edgeworthiana</i>	F	3	4200	2	0.87 ± 0.02	0.0513
			<i>Arenaria przewalskii</i>	F	3	4000	4	0.39 ± 0.01	0.7037
			<i>Arenaria</i> sp. 1	F	3	2900	4	0.28 ± 0.00	0.9063
			<i>Arenaria</i> sp. 2	F	3	3500	1	0.08 ± 0.00	0.7130
			<i>Cerastium arvense</i>	F	3	2900	1	0.19 ± 0.00	0.0183
			<i>Cerastium arvense</i> Linn.	F	3	3100	1	0.17 ± 0.00	0.0113
			<i>Cerastium</i> sp. 1	F	3	2400	2	2.14 ± 0.04	0.4729
			<i>Cerastium</i> sp. 2	F	3	2940	2	0.14 ± 0.01	0.0043

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Dianthus superbus</i>	F	3	2200	1	0.68 ± 0.00	0.6238
			<i>Dianthus</i> sp.	F	3	2700	2	0.80 ± 0.01	0.3657
			<i>Malachium aquaticum</i>	F	3	2300	1	0.36 ± 0.01	0.2080
			<i>Melandrium apricum</i>	F	3	2000	4	0.17 ± 0.00	0.3994
			<i>Melandrium himalayense</i>	F	3	3500	2	0.25 ± 0.00	0.8038
			<i>Melandrium</i> sp. 1	F	3	2200	4	0.20 ± 0.00	0.3737
			<i>Melandrium</i> sp. 2	F	3	2300	4	0.19 ± 0.00	0.8281
			<i>Melandrium</i> sp. 3	F	3	2940	4	0.18 ± 0.00	0.2833
			<i>Melandrium</i> sp. 4	F	3	2700	1	0.18 ± 0.01	0.5660
			<i>Melandrium</i> sp. 5	F	3	2900	4	0.28 ± 0.01	0.6784
			<i>Melandrium</i> sp. 6	F	3	3900	2	0.26 ± 0.01	0.8827
			<i>Melandrium</i> sp. 7	F	3	2500	4	0.17 ± 0.00	0.3639
			<i>Melandrium</i> sp. 8	F	3	2200	4	0.14 ± 0.00	0.8859
			<i>Melandrium</i> sp. 9	F	3	3100	4	0.12 ± 0.01	0.2811
			<i>Melandrium</i> sp. 10	F	3	2940	2	0.18 ± 0.01	0.5129
			<i>Melandrium</i> sp. 11	F	3	3450	1	0.14 ± 0.01	0.0118
			<i>Melandrium</i> sp. 12	F	3	2400	2	0.19 ± 0.00	0.5867
			<i>Melandrium</i> sp. 13	F	3	2800	4	0.38 ± 0.01	0.7970
			<i>Silene conoidea</i>	F	3	2700	1	1.33 ± 0.01	0.9360
			<i>Silene</i> sp. 1	F	3	2900	4	0.94 ± 0.01	0.7513
			<i>Silene</i> sp. 2	F	3	2900	4	0.20 ± 0.00	0.8457
			<i>Stellaria decumbens</i>	F	3	2900	1	0.48 ± 0.00	0.6258
			<i>Stellaria decumbens</i> var. <i>acicularis</i>	F	3	2940	1	0.40 ± 0.01	0.7958
			<i>Stellaria decumbens</i> var. <i>polyantha</i>	F	3	3100	1	0.13 ± 0.00	0.2039
			<i>Stellaria decumbens</i> var. <i>pulvinata</i>	F	3	2700	1	0.14 ± 0.00	0.2421
			<i>Stellaria graminea</i>	F	3	3300	4	0.97 ± 0.38	0.0063
			<i>Stellaria</i> sp.	F	3	3800	2	0.09 ± 0.00	0.2627
			<i>Stellaria palustris</i>	F	3	3300	2	0.21 ± 0.00	0.4127
			<i>Caryophyllaceae</i> sp.	F	3	3300	4	0.24 ± 0.00	0.7972
		Plumbaginaceae							
			<i>Plumbagela micrantha</i>	F	1	2950	1	4.99 ± 0.18	0.1166
		Polygonaceae							
			<i>Fagopyrum esculentum</i>	F	3	2500	2	4.08 ± 0.06	0.0750
			<i>Polygonum amphibium</i>	F	3	2940	4	2.23 ± 0.05	0.0054
			<i>Polygonum aviculare</i>	F	3	3100	1	0.08 ± 0.00	0.0000
			<i>Polygonum convolvulus</i>	F	3	3050	4	2.66 ± 0.16	0.0017
			<i>Polygonum dissitiflorum</i>	F	3	2350	4	1.03 ± 0.00	0.0000
			<i>Polygonum macrophyllum</i>	F	3	2200	1	0.76 ± 0.04	0.2274
			<i>Polygonum sibiricum</i>	F	3	2940	4	1.26 ± 0.02	0.0068
			<i>Polygonum</i> sp.	F	3	2200	1	1.08 ± 0.03	0.0000
			<i>Polygonum thunbergii</i>	F	3	2800	4	13.28 ± 0.30	0.5768
			<i>Polygonum viviparum</i>	F	3	3500	3	1.51 ± 0.04	0.0890
			<i>Polygonum viviparum</i>	F	3	3900	3	0.79 ± 0.03	0.0048
			<i>Rumex acetosa</i> Linn.	F	5	3000	4	0.79 ± 0.01	0.0607
			<i>Rumex</i> sp. 1	F	5	3500	1	1.84 ± 0.03	0.6350
			<i>Rumex</i> sp. 2	F	5	2400	2	1.79 ± 0.03	0.9023
			<i>Rumex</i> sp. 3	F	5	2800	2	0.76 ± 0.01	0.1856
		Saxifragales							
		Crassulaceae							
			<i>Rhodiola kirilowii</i>	F	3	4100	2	0.15 ± 0.00	0.7934
			<i>Rhodiola rosea</i>	F	3	4000	2	0.19 ± 0.00	0.9053
			<i>Rhodiola</i> sp.	F	3	4000	2	0.14 ± 0.00	0.8639
			<i>Sedum sarmentosum</i>	F	3	2900	4	0.75 ± 0.00	0.0160
			<i>Sedum</i> sp. 1	F	3	2200	4	0.05 ± 0.00	0.5223
			<i>Sedum</i> sp. 2	F	3	2400	4	0.07 ± 0.00	0.0177
			<i>Sedum</i> sp. 3	F	3	2200	4	0.06 ± 0.00	0.2191
			<i>Sedum</i> sp. 4	F	3	2500	4	0.09 ± 0.00	0.7472
			<i>Sedum</i> sp. 5	F	3	3500	3	0.03 ± 0.00	0.1871
			<i>Sedum stellarifolium</i>	F	3	3500	3	0.04 ± 0.00	0.4304
		Saxifragaceae							
			<i>Chrysosplenium uniflorum</i>	F	3	4000	2	0.14 ± 0.00	0.0054
			<i>Parnassia brevistyle</i>	F	3	3300	4	0.07 ± 0.00	0.0089
			<i>Parnassia oreophila</i>	F	3	3850	4	0.04 ± 0.00	0.0019

APPENDIX
Continued

Class	LF	DM	AH	HT	SS	WGI
Order						
Family						
Genus and species						
<i>Parnassia</i> sp. 1	F	3	3500	1	0.06 ± 0.00	0.4580
<i>Parnassia</i> sp. 2	F	3	2350	4	0.02 ± 0.00	0.0144
<i>Parnassia</i> sp. 3	F	3	3050	4	0.03 ± 0.00	0.0653
<i>Parnassia</i> sp. 4	F	3	2000	4	0.03 ± 0.00	0.0141
<i>Parnassia</i> sp. 5	F	3	2350	4	0.06 ± 0.00	0.0283
<i>Parnassia trinervis</i>	F	3	2700	2	0.03 ± 0.00	0.0211
<i>Philadelphus incanus</i>	W	3	2300	4	0.09 ± 0.00	0.6166
<i>Saxifraga egregia</i>	F	3	3850	2	0.02 ± 0.00	0.0198
<i>Saxifraga montana</i>	F	3	3600	2	0.03 ± 0.00	0.0741
<i>Saxifraga tangutica</i>	F	3	4100	4	0.05 ± 0.00	0.0472
Rosids						
Geraniales						
Geraniaceae						
<i>Biebersteinia heterostemon</i>	F	1	2800	2	2.80 ± 0.02	0.0236
<i>Geranium sibiricum</i> L.	F	3	2940	1	3.35 ± 0.16	0.0484
<i>Geranium</i> sp. 1	F	3	2700	4	5.64 ± 0.14	0.1691
<i>Geranium</i> sp. 2	F	3	3300	1	7.05 ± 0.07	0.0438
<i>Geranium wilfordii</i>	F	3	2900	1	3.29 ± 0.05	0.0318
Myrtales						
Onagraceae						
<i>Chamaenerion angustifolium</i>	F	5	2350	4	0.05 ± 0.00	0.2119
<i>Epilobium hirsutum</i>	F	5	2350	4	0.05 ± 0.00	0.0167
<i>Epilobium paluster</i>	F	5	3500	4	0.12 ± 0.00	0.2694
<i>Epilobium</i> sp.	F	5	2940	1	0.14 ± 0.00	0.1514
Zygophyllaceae						
<i>Peganum harmala</i>	F	3	2800	2	6.26 ± 0.07	0.4624
<i>Zygophyllum macranthum</i>	F	3	2800	2	2.59 ± 0.13	0.0178
Eurosids I						
Celastrales						
Celastraceae						
<i>Euonymus linearifolius</i>	w	4	2900	4	13.02 ± 0.10	0.0000
<i>Euonymus nanaides</i>	w	4	2900	4	36.88 ± 0.10	0.0000
<i>Euonymus porphyreus</i>	w	4	2900	4	16.59 ± 0.32	0.0000
Fabales						
Fabaceae						
<i>Astragalus adsurgens</i>	F	3	3000	2	3.24 ± 0.01	0.1080
<i>Astragalus bhotanensis</i>	F	3	2800	4	1.64 ± 0.03	0.0120
<i>Astragalus floridus</i>	F	3	3300	1	2.74 ± 0.02	0.1503
<i>Astragalus mahoschanicus</i>	F	3	3500	1	1.99 ± 0.07	0.1342
<i>Astragalus melilotoides</i>	F	3	2800	4	1.73 ± 0.07	0.2220
<i>Astragalus monadelphus</i>	F	3	3300	4	3.69 ± 0.03	0.0417
<i>Astragalus polycladus</i>	F	3	2700	2	1.26 ± 0.01	0.0977
<i>Astragalus przewalskii</i>	F	3	3500	4	1.61 ± 0.02	0.0528
<i>Astragalus</i> sp. 1	F	3	3300	3	1.49 ± 0.01	0.0327
<i>Astragalus</i> sp. 2	F	3	3050	2	1.20 ± 0.02	0.0287
<i>Astragalus</i> sp. 3	F	3	3100	1	4.37 ± 0.01	0.0097
<i>Astragalus</i> sp. 4	F	3	3520	2	1.27 ± 0.01	0.6342
<i>Astragalus</i> sp. 5	F	3	2200	1	1.91 ± 0.03	0.5210
<i>Astragalus tanguticus</i>	F	3	2800	4	2.460.05	0.1239
<i>Astragalus tongolensis</i> var. <i>glaber</i>	F	3	3450	4	3.84 ± 0.02	0.0176
<i>Astragalus weigoldianus</i>	F	3	3500	3	2.33 ± 0.01	0.0479
<i>Caragana brevifolia</i>	W	3	3300	4	13.71 ± 0.73	0.9282
<i>Caragana erinacea</i>	W	3	3000	2	6.17 ± 0.12	0.5987
<i>Caragana jubata</i>	W	3	4100	2	10.65 ± 0.12	0.2637
<i>Gueldenstaedtia multiflora</i>	F	3	3500	1	2.19 ± 0.04	0.0872
<i>Gueldenstaedtia</i> sp.	F	3	2940	4	1.75 ± 0.01	0.3461
<i>Hedysarum multijugum</i>	W	3	2000	4	5.21 ± 0.09	0.3790
<i>Hedysarum sikkimense</i>	F	3	3100	1	3.68 ± 0.03	0.1713
<i>Hedysarum</i> sp.	F	3	2900	4	3.36 ± 0.24	0.5491
<i>Hedysarum tanguticum</i>	F	3	3200	1	3.47 ± 0.02	0.2644
<i>Lathyrus pratensis</i>	F	3	2200	4	13.54 ± 0.04	0.0962
<i>Lespedeza dehurica</i>	F	3	2200	4	1.90 ± 0.05	0.2020
<i>Medicago lupulina</i>	F	3	2100	1	1.70 ± 0.01	0.0333

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Medicago minima</i>	F	3	2900	2	1.96 ± 0.02	0.0556
			<i>Medicago ruthenica</i>	F	3	2900	1	2.43 ± 0.02	0.0474
			<i>Medicago</i> sp.	F	3	2400	4	1.83 ± 0.01	0.0390
			<i>Melilotus albus</i>	F	3	2200	1	2.59 ± 0.03	0.0582
			<i>Melilotus officinalis</i>	F	3	2900	4	2.07 ± 0.02	0.0477
			<i>Melilotus suaveolens</i>	F	3	2900	1	2.05 ± 0.05	0.0641
			<i>Oxytropis coerulea</i>	F	3	2700	2	1.52 ± 0.02	0.0737
			<i>Oxytropis falcata</i>	F	3	3450	1	3.63 ± 0.03	0.0621
			<i>Oxytropis kansuensis</i>	F	3	3500	1	1.03 ± 0.03	0.0358
			<i>Oxytropis ochrocephala</i>	F	3	3050	4	1.49 ± 0.03	0.0194
			<i>Oxytropis</i> sp. 1	F	3	2200	4	1.47 ± 0.01	0.0371
			<i>Oxytropis</i> sp. 2	F	3	2400	2	1.66 ± 0.03	0.0712
			<i>Oxytropis</i> sp. 3	F	3	2200	4	1.53 ± 0.01	0.0528
			<i>Oxytropis</i> sp. 4	F	3	3500	1	1.67 ± 0.06	0.0908
			<i>Thermopsis lanceolata</i>	F	3	3000	2	23.86 ± 0.05	0.3547
			<i>Tibetia himalaica</i>	F	3	3300	1	1.69 ± 0.03	0.1171
			<i>Trigonella tibetana</i>	F	3	2700	2	1.54 ± 0.06	0.2357
			<i>Vicia angustifolia</i>	F	3	2900	1	17.65 ± 0.51	0.2511
			<i>Vicia cracca</i>	F	3	2700	1	13.62 ± 0.26	0.1324
			<i>Vicia sativa</i>	F	3	2700	4	16.66 ± 0.34	0.0746
			<i>Vicia</i> sp.	F	3	3100	2	20.01 ± 0.15	0.2467
			<i>Vicia tetrasperma</i>	F	3	2200	1	10.67 ± 0.32	0.0568
			<i>Vicia unijuga</i>	F	3	2400	1	11.01 ± 0.15	0.1211
		Malpighiales							
		Guttiferae							
			<i>Hypericum ascyron</i>	F	3	2300	4	0.13 ± 0.00	0.0042
			<i>Hypericum attenuatum</i>	F	3	2000	1	0.08 ± 0.00	0.0268
			<i>Hypericum chinense</i>	W	3	2700	1	0.19 ± 0.00	0.1236
			<i>Hypericum przewalskii</i>	F	3	2400	2	0.19 ± 0.00	0.1604
		Linaceae							
			<i>Linum usitatissimum</i>	F	3	3050	2	1.67 ± 0.01	0.4930
		Euphorbiaceae							
			<i>Euphorbia esula</i>	F	3	2900	4	1.39 ± 0.01	0.4572
			<i>Euphorbia helioscopia</i>	F	3	2400	4	1.02 ± 0.02	0.3563
			<i>Euphorbia tibetica</i>	F	3	3500	1	0.95 ± 0.01	0.0053
		Violaceae							
			<i>Viola bulbosa</i>	F	3	3500	1	1.47 ± 0.01	0.0058
		Rosales							
		Elaeagnaceae							
			<i>Hippolytia rhamnoides</i>	w	4	2900	4	6.42 ± 0.07	0.0000
			<i>Hippolytia salicifolia</i>	w	4	2900	4	10.87 ± 0.11	0.0000
			<i>Hippolytia</i> sp.	w	4	2900	4	14.48 ± 0.55	0.0000
			<i>Hippolytia thibetana</i>	w	4	2900	4	13.09 ± 0.01	0.0000
		Rosaceae							
			<i>Agrimonia pilosa</i>	F	1	2700	2	11.95 ± 0.21	0.2007
			<i>Cotoneaster acutifolius</i>	W	4	2900	4	1.85 ± 0.46	0.0000
			<i>Cotoneaster adpressus</i>	W	4	2900	4	21.60 ± 0.34	0.0000
			<i>Cotoneaster ambiguus</i>	W	4	2900	4	19.41 ± 0.81	0.0000
			<i>Cotoneaster hebeophyllus</i>	W	4	2200	2	22.36 ± 1.36	0.1470
			<i>Cotoneaster multiflorus</i>	W	4	2800	4	39.01 ± 0.81	0.0000
			<i>Cotoneaster submultiflorus</i>	W	4	2900	4	43.07 ± 3.75	0.0000
			<i>Cotoneaster tenuipes</i>	W	4	2900	4	32.64 ± 1.18	0.0000
			<i>Geum aleppicum</i>	F	1	2800	4	1.40 ± 0.01	0.0000
			<i>Cotoneaster foveolatus</i>	F	3	2700	2	0.37 ± 0.01	0.3560
			<i>Potentilla bifurca</i>	F	3	2800	4	0.37 ± 0.01	0.2407
			<i>Potentilla chrysantha</i>	F	3	3600	1	0.21 ± 0.01	0.3982
			<i>Potentilla potamini</i>	F	3	3050	2	0.34 ± 0.01	0.2488
			<i>Potentilla</i> sp.	F	3	2940	4	0.44 ± 0.02	0.0941
			<i>Potentilla supina</i>	F	3	2200	4	0.49 ± 0.02	0.0378
			<i>Rosa centifolia</i>	W	4	3000	4	9.38 ± 0.20	0.0000
			<i>Rosa hbella</i>	W	4	2800	4	22.81 ± 1.08	0.0000
			<i>Rosa hugonis</i>	W	4	2800	4	17.14 ± 0.38	0.0000
			<i>Rosa omeiensis</i>	W	4	3150	4	22.70 ± 0.38	0.0000

APPENDIX
Continued

Class	LF	DM	AH	HT	SS	WGI
Order						
Family						
Genus and species						
<i>Sanguisorba filiformis</i>	F	3	2700	2	2.47 ± 0.02	0.0297
<i>Sibbaldia procumbens</i> var. <i>aphanopetala</i>	F	3	3100	1	0.92 ± 0.03	0.2384
<i>Sibiraea angustata</i>	W	3	3400	3	0.16 ± 0.0	0.8772
<i>Sorbaria</i> sp. 1	W	3	2300	4	0.07 ± 0.00	0.8068
<i>Sorbaria</i> sp. 2	W	3	2200	4	0.05 ± 0.00	0.6976
<i>Spiraea mongolica</i>	W	3	3500	4	0.06 ± 0.00	0.7071
<i>Spiraea</i> sp. 1	W	3	3000	4	0.09 ± 0.00	0.6349
<i>Spiraea</i> sp. 2	W	3	2300	1	0.04 ± 0.00	0.7104
Urticaceae						
<i>Parietaria micrantha</i>	F	3	3300	3	0.21 ± 0.00	0.8944
<i>Urtica cannabina</i>	F	3	3600	4	0.48 ± 0.00	0.0652
<i>Urtica triangularis</i>	F	3	2900	4	0.26 ± 0.01	0.4731
Eurosids II						
Brassicales						
Brassicaceae						
<i>Arabis hirsute</i>	F	2	2200	1	0.12 ± 0.00	0.5377
<i>Arabis pendula</i>	F	2	3000	4	0.23 ± 0.00	0.2714
<i>Brassica juncea</i>	F	2	3500	1	0.13 ± 0.00	0.4118
<i>Capsella bursa-pastoris</i>	F	2	2901	1	0.14 ± 0.00	0.1390
<i>Cardamine hirsuta</i>	F	2	3000	4	0.20 ± 0.01	0.1701
<i>Chorispora tenella</i>	F	2	3100	2	0.21 ± 0.00	0.1199
<i>Descurainia sophia</i>	F	2	2900	4	0.15 ± 0.00	0.5269
<i>Descurainia sophioides</i>	F	2	2200	4	0.40 ± 0.01	0.7628
<i>Draba ladyginii</i>	F	2	3500	4	0.07 ± 0.00	0.6510
<i>Draba</i> sp. 1	F	2	3500	1	0.11 ± 0.00	0.0771
<i>Draba</i> sp. 2	F	2	2350	4	0.08 ± 0.00	0.1681
<i>Draba</i> sp. 3	F	2	3100	1	0.08 ± 0.00	0.0209
<i>Eruca sativa</i>	F	2	2800	4	1.51 ± 0.01	0.9196
<i>Lepidium apetalum</i>	F	2	2900	1	0.18 ± 0.01	0.5161
<i>Lepidium capitatum</i>	F	2	2800	4	0.65 ± 0.00	0.5146
<i>Lepidium latifolium</i>	F	2	2800	2	0.48 ± 0.00	0.7458
<i>Malcolmia africana</i>	F	2	3300	2	0.12 ± 0.00	0.0226
<i>Thlaspi arvense</i>	F	2	2940	1	1.14 ± 0.01	0.0703
<i>Thlaspi</i> sp.	F	2	3450	1	1.04 ± 0.00	0.0422
<i>Torularia humilis</i>	F	2	3900	3	0.05 ± 0.00	0.1163
<i>Torularia humilis</i> f. <i>grandiflora</i>	F	2	2700	4	0.17 ± 0.00	0.3312
<i>Torularia humilis</i> f. <i>hygrophila</i>	F	2	3000	1	0.11 ± 0.00	0.3083
<i>Torularia humilis</i> var. <i>piasezkii</i>	F	2	2940	4	0.09 ± 0.00	0.0155
<i>Brassicaceae</i> sp.	F	2	2200	4	0.10 ± 0.00	0.0222
Malvales						
Malvaceae						
<i>Malva</i> sp.	F	3	3450	1	3.81 ± 0.02	0.3421
<i>Malva verticillata</i>	F	3	2950	1	2.48 ± 0.02	0.1464
<i>Malva verticillata</i> var. <i>chinensis</i>	F	3	2700	1	1.74 ± 0.01	0.1499
Thymelaeaceae						
<i>Stellera chamaejasme</i>	F	3	3000	2	2.02 ± 0.04	0.0037
Asterids						
Ericales						
Balsaminaceae						
<i>Impatiens noli-tangere</i>	F	3	3500	4	1.03 ± 0.06	0.0000
Ericaceae						
<i>Rhododendron anthoogonoides</i>	W	3	4000	4	0.03 ± 0.00	0.0051
Primulaceae						
<i>Androsace erecta</i>	F	3	2600	4	0.06 ± 0.01	0.5922
<i>Androsace gmelinii</i>	F	3	3100	1	0.09 ± 0.00	0.0627
<i>Androsace mariae</i>	F	3	3300	2	0.63 ± 0.01	0.3984
<i>Androsace</i> sp.	F	3	2700	2	0.66 ± 0.03	0.0529
<i>Pomatosace filicula</i>	F	3	2700	4	0.60 ± 0.01	0.3318
<i>Primula agleniana</i>	F	3	4200	2	0.12 ± 0.00	0.0228
<i>Primula gemmifera</i>	F	3	3600	1	0.06 ± 0.00	0.1220
<i>Primula polyneura</i>	F	3	2350	4	0.18 ± 0.00	0.0173
<i>Primula secundiflora</i>	F	3	3600	1	0.21 ± 0.00	0.0333
<i>Primula sibirica</i>	F	3	3100	2	0.05 ± 0.00	0.4931

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Primula</i> sp.	F	3	3100	1	0.05 ± 0.00	0.1178
			<i>Primula stenocalyx</i>	F	3	4000	2	0.05 ± 0.00	0.0750
Euasterids I									
Boraginaceae									
			<i>Lappula myosotis</i>	F	3	2000	4	2.26 ± 0.01	0.9677
			<i>Lappula</i> sp.	F	3	2700	2	1.53 ± 0.01	0.8884
			<i>Trigonotis peduncularis</i>	F	3	2400	1	0.12 ± 0.00	0.4914
			<i>Boraginaceae</i> sp.	F	3	2800	4	1.46 ± 0.01	0.0780
Gentianales									
Gentianaceae									
			<i>Comastoma falcatum</i>	F	3	3050	4	0.30 ± 0.00	0.3980
			<i>Comastoma</i> sp. 1	F	3	3100	4	0.21 ± 0.01	0.0154
			<i>Comastoma</i> sp. 2	F	3	3000	2	0.29 ± 0.01	0.1434
			<i>Comastoma</i> sp. 3	F	3	3900	2	0.31 ± 0.01	0.1333
			<i>Comastoma</i> sp. 4	F	3	3500	1	0.28 ± 0.01	0.0444
			<i>Gentiana aristata</i>	F	3	3000	2	0.07 ± 0.00	0.0373
			<i>Gentiana burkillii</i>	F	3	2800	4	0.50 ± 0.01	0.4644
			<i>Gentiana dahurica</i>	F	3	2500	4	0.23 ± 0.01	0.0219
			<i>Gentiana decumbens</i>	F	3	3300	2	0.51 ± 0.01	0.0064
			<i>Gentiana macrophylla</i>	F	3	3500	1	0.20 ± 0.01	0.2341
			<i>Gentiana pseudo-aquatica</i>	F	3	4000	2	0.05 ± 0.00	0.1100
			<i>Gentiana purdomii</i>	F	3	3500	2	0.20 ± 0.00	0.0423
			<i>Gentiana sino-ornata</i>	F	3	2940	1	0.09 ± 0.00	0.6314
			<i>Gentiana</i> sp. 1	F	3	2400	1	0.03 ± 0.00	0.0917
			<i>Gentiana</i> sp. 2	F	3	2400	1	0.16 ± 0.01	0.0571
			<i>Gentiana squarrosa</i>	F	3	3450	1	0.03 ± 0.00	0.0300
			<i>Gentiana straminea</i>	F	3	3500	2	0.40 ± 0.08	0.0332
			<i>Gentiana striata</i>	F	3	3050	4	0.54 ± 0.01	0.4368
			<i>Gentiana szechenyii</i>	F	3	2800	2	0.18 ± 0.00	0.8468
			<i>Gentianopsis barbata</i>	F	3	3500	4	0.04 ± 0.00	0.0053
			<i>Gentianopsis contorta</i>	F	3	4000	2	0.15 ± 0.00	0.0056
			<i>Gentianopsis paludosa</i>	F	3	3050	4	0.11 ± 0.00	0.0222
			<i>Gentianopsis paludosa</i> var. <i>ovato-deltaoidea</i>	F	3	2200	1	0.06 ± 0.00	0.0034
			<i>Gentianopsis</i> sp. 1	F	3	3000	3	0.13 ± 0.00	0.0000
			<i>Gentianopsis</i> sp. 2	F	3	2300	1	0.09 ± 0.00	0.3794
			<i>Gentianopsis</i> sp. 3	F	3	2800	2	0.06 ± 0.00	0.0000
			<i>Gentianopsis</i> sp. 4	F	3	2200	4	0.04 ± 0.00	0.0000
			<i>Gentianopsis</i> sp. 5	F	3	3100	2	2.25 ± 0.06	0.0021
			<i>Gentianopsis</i> sp. 6	F	3	3500	2	0.10 ± 0.00	0.0612
			<i>Halenia corniculata</i> (Linn.)Cornaz	F	3	3100	2	1.31 ± 0.01	0.0229
			<i>Halenia elliptica</i>	F	3	3500	3	1.42 ± 0.03	0.0206
			<i>Halenia</i> sp.	F	3	2350	4	0.76 ± 0.02	0.0053
			<i>Lomatogonium carinthiacum</i>	F	3	2940	1	0.03 ± 0.00	0.6107
			<i>Lomatogonium</i> sp.	F	3	2350	4	0.19 ± 0.00	0.1937
			<i>Swertia franchetiana</i>	F	3	2200	4	0.09 ± 0.00	0.1071
			<i>Swertia</i> sp. 1	F	3	2900	4	0.08 ± 0.00	0.0052
			<i>Swertia</i> sp. 2	F	3	4000	2	0.14 ± 0.00	0.1316
			<i>Swertia tetraptera</i>	F	3	2940	4	0.64 ± 0.01	0.0000
Rubiaceae									
			<i>Galium</i> sp. 1	F	3	3500	1	0.57 ± 0.01	0.6507
			<i>Galium</i> sp. 2	F	3	2700	2	0.75 ± 0.02	0.0184
			<i>Galium verum</i>	F	3	2200	4	0.67 ± 0.01	0.2373
			<i>Rubia</i> sp. 1	F	3	2400	4	17.73 ± 0.53	0.0000
			<i>Rubia</i> sp. 2	F	3	2900	4	0.78 ± 0.00	0.4748
Lamiales									
Bignoniaceae									
			<i>Incarvillea arguta</i>	F	3	3300	2	2.23 ± 0.01	0.4887
Lamiaceae									
			<i>Ajuga ciliata</i>	F	3	3050	3	1.86 ± 0.04	0.0371
			<i>Amethystea caerulea</i>	F	3	2200	1	0.61 ± 0.01	0.0143
			<i>Dracocephalum heterophyllum</i>	F	3	2800	4	2.33 ± 0.05	0.3929
			<i>Dracocephalum</i> sp.	F	3	3100	2	2.14 ± 0.03	0.7588
			<i>Dracocephalum tangutica</i>	F	3	2800	4	2.08 ± 0.03	0.3814

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Elsholtzia densa</i>	F	3	3500	1	1.38 ± 0.02	0.4023
			<i>Elsholtzia densa</i> var. <i>calycocarpa</i>	F	3	3500	1	0.99 ± 0.02	0.5283
			<i>Elsholtzia densa</i> var. <i>ianthina</i>	F	3	3500	1	1.36 ± 0.04	0.6071
			<i>Elsholtzia saxatilis</i>	F	3	2800	1	0.27 ± 0.01	0.7614
			<i>Galeopsis bifida</i>	F	3	2940	4	3.55 ± 0.07	0.0000
			<i>Isodon henryi</i>	F	3	2300	4	0.38 ± 0.02	0.0640
			<i>Lamiophlomis rotata</i>	F	3	3800	4	3.39 ± 0.08	0.5733
			<i>Lamium amplexicaule</i>	F	3	2900	1	0.76 ± 0.01	0.1833
			<i>Nepeta coerulescens</i>	F	3	2350	3	1.08 ± 0.03	0.4643
			<i>Nepeta densiflora</i>	F	3	3100	2	1.16 ± 0.03	0.3246
			<i>Nepeta</i> sp.	F	3	2900	4	0.71 ± 0.12	0.2311
			<i>Phlomis kansuensis</i>	F	3	2300	4	0.33 ± 0.02	0.3553
			<i>Phlomis umbrosa</i>	F	3	2300	4	4.49 ± 0.04	0.1842
			<i>Salvia flava</i> forrest	F	3	2200	1	2.42 ± 0.03	0.1060
			<i>Salvia przewalskii</i>	F	3	3000	1	4.77 ± 0.07	0.2257
			<i>Salvia roborowskii</i>	F	3	2800	1	2.42 ± 0.02	0.0173
			<i>Salvia</i> sp.	F	3	2200	1	2.39 ± 0.09	0.0052
			<i>Schizonepeta tenuifolia</i>	F	3	2300	4	0.55 ± 0.21	0.8906
			<i>Scutellaria rehderiana</i>	F	3	2700	2	1.48 ± 0.01	0.7509
			<i>Stachys aspera</i>	F	3	2900	1	0.94 ± 0.06	0.0000
			<i>Thymus mongolicus</i>	W	3	2940	4	0.26 ± 0.01	0.1569
		Plantaginaceae							
			<i>Plantago asiatica</i>	F	3	3000	2	0.21 ± 0.00	0.0162
			<i>Plantago depressa</i>	F	3	2900	4	0.33 ± 0.01	0.1393
			<i>Plantago major</i>	F	3	2400	4	0.24 ± 0.00	0.0076
		Scrophulariaceae							
			<i>Euphrasia pectinata</i>	F	3	2200	4	0.12 ± 0.00	0.2712
			<i>Euphrasia</i> sp. 1	F	3	2100	1	0.13 ± 0.00	0.0000
			<i>Euphrasia</i> sp. 2	F	3	2940	4	0.13 ± 0.00	0.0000
			<i>Euphrasia</i> sp. 3	F	3	3500	3	0.08 ± 0.00	0.0116
			<i>Lancea</i> sp.	F	3	2900	1	0.61 ± 0.03	0.1542
			<i>Lancea tibetica</i>	F	3	2940	1	0.09 ± 0.00	0.0094
			<i>Mimulus szechuanensis</i>	F	3	2350	4	0.01 ± 0.00	0.0000
			<i>Pedicularis alaschanica</i>	F	3	3100	2	1.03 ± 0.03	0.2022
			<i>Pedicularis albiflora</i>	F	3	2940	4	0.44 ± 0.01	0.2564
			<i>Pedicularis cheilanthifolia</i>	F	3	3000	4	0.59 ± 0.01	0.1286
			<i>Pedicularis cranolopha</i>	F	3	2400	1	3.82 ± 0.06	0.0800
			<i>Pedicularis ingens</i>	F	3	3300	4	0.57 ± 0.01	0.1684
			<i>Pedicularis kansuensis</i>	F	3	2400	2	0.58 ± 0.01	0.5621
			<i>Pedicularis labellata</i>	F	3	3630	1	0.70 ± 0.02	0.4210
			<i>P. lasiophrys</i> var. <i>lasiophrys</i>	F	3	3600	2	0.30 ± 0.01	0.0492
			<i>Pedicularis longiflora</i>	F	3	3050	4	1.35 ± 0.03	0.0224
			<i>P. longiflora</i> var. <i>tubiformis</i>	F	3	2940	4	0.92 ± 0.01	0.3323
			<i>Pedicularis longipes</i>	F	3	3000	4	1.167 ± 0.01	0.0098
			<i>Pedicularis polyodonta</i>	F	3	3300	2	0.32 ± 0.01	0.4900
			<i>Pedicularis pseudo-ingens</i>	F	3	2400	4	0.53 ± 0.02	0.0051
			<i>Pedicularis semitorta</i>	F	3	3800	2	0.70 ± 0.01	0.0568
			<i>Pedicularis</i> sp. 1	F	3	2940	2	1.19 ± 0.02	0.0000
			<i>Pedicularis</i> sp. 2	F	3	2900	4	0.82 ± 0.02	0.0450
			<i>Pedicularis</i> sp. 3	F	3	3600	2	0.50 ± 0.01	0.3770
			<i>Pedicularis</i> sp. 4	F	3	3200	4	0.73 ± 0.01	0.5936
			<i>Pedicularis spicata</i>	F	3	3100	1	0.73 ± 0.01	0.0162
			<i>Pedicularis striata</i>	F	3	2400	2	1.43 ± 0.02	0.6544
			<i>Pedicularis torta</i>	F	3	2940	4	0.87 ± 0.01	0.0503
			<i>Veronica eriogyne</i>	F	3	3100	1	0.27 ± 0.09	0.1064
			<i>Scrofella chinensis</i>	F	3	4000	2	0.06 ± 0.00	0.4983
			<i>Veronica rockii</i>	F	3	3500	1	0.06 ± 0.00	0.8126
			<i>Veronica</i> sp. 1	F	3	4000	2	0.04 ± 0.00	0.0452
			<i>Veronica</i> sp. 2	F	3	3050	4	0.04 ± 0.00	0.0860
			<i>Veronica</i> sp. 3	F	3	2800	1	0.05 ± 0.00	0.5899
			<i>Veronica</i> sp. 4	F	3	3500	1	0.06 ± 0.00	0.5920
			<i>Veronica</i> sp. 5	F	3	2700	1	0.05 ± 0.00	0.0613
			<i>Veronica</i> sp. 6	F	3	4000	2	0.05 ± 0.00	0.0173

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Veronica vendellioides</i>	F	3	3300	2	0.15 ± 0.00	0.6344
		Verbenaceae							
			<i>Caryopteris divaricata</i>	W	3	2500	4	0.53 ± 0.01	0.7890
			<i>Caryopteris mongholica</i>	W	3	2300	1	0.71 ± 0.04	0.6829
		Solanales							
		Convolvulaceae							
			<i>Cuscuta chinensis</i>	F	1	2300	4	0.36 ± 0.01	0.0000
		Solanaceae							
			<i>Hyoscyamus niger</i>	F	3	2200	1	0.18 ± 0.00	0.1701
		Euasterids II							
		Apiales							
		Araliaceae							
			<i>Acanthopanax senticosus</i>	w	3	2900	1	8.79 ± 0.19	0.0000
			<i>Acanthopanax setchuenensis</i>	w	3	2900	1	17.79 ± 0.38	0.0000
		Apiaceae							
			<i>Angelica laxifoliata</i>	F	5	2000	4	2.02 ± 0.08	0.0023
			<i>Angelica wulsiniana</i>	F	5	3100	4	1.79 ± 0.05	0.1146
			<i>Anthriscus sylvestris</i>	F	5	2700	4	4.20 ± 0.13	0.0000
			<i>Bupleurum commelynoideum</i>	F	3	3550	3	0.98 ± 0.01	0.5094
			<i>B. commelynoideum</i> var. <i>flaviflorum</i>	F	3	2100	1	0.95 ± 0.04	0.3244
			<i>Bupleurum pusillum</i>	F	3	3100	1	0.64 ± 0.01	0.3821
			<i>B. smithii</i> var. <i>parvifolium</i>	F	3	3500	2	0.73 ± 0.01	0.6744
			<i>Carlesia sinensis</i> Dunn	F	3	2700	2	2.12 ± 0.03	0.0148
			<i>Carlesia</i> sp.	F	3	3456	1	1.19 ± 0.06	0.0559
			<i>Carum buriaticum</i>	F	3	3500	4	1.00 ± 0.02	0.0991
			<i>Carum carvi</i>	F	3	3050	4	2.08 ± 0.04	0.0148
			<i>Carum</i> sp.	F	3	2100	4	1.13 ± 0.03	0.2850
			<i>Daucus carota</i>	F	3	3050	2	4.22 ± 0.09	0.0153
			<i>Heracleum millefolium</i>	F	5	3050	4	7	0.0883
			<i>Heracleum mollendorffii</i>	F	5	2200	1	5.67 ± 0.09	0.0018
			<i>Heracleum yungningense</i>	F	5	2100	1	4.30 ± 0.22	0.0543
			<i>Ligusticum</i> sp.	F	5	3000	2	1.09 ± 0.01	0.0149
			<i>Ligusticum thomsonii</i>	F	5	3100	1	1.39 ± 0.03	0.2403
			<i>Notopterygium forbesii</i>	F	5	2000	4	3.33 ± 0.08	0.0052
			<i>Notopterygium incisum</i>	F	5	3500	4	6.46 ± 0.02	0.0123
			<i>Peucedanum praeruptorum</i>	F	5	2400	3	1.59 ± 0.04	0.1761
			<i>Peucedanum</i> sp.	F	5	2500	4	1.06 ± 0.03	0.6101
			<i>Pimpinella smithii</i>	F	3	2300	4	1.79 ± 0.04	0.0000
			<i>Pleurospermum camtschatium</i>	F	3	3500	1	1.88 ± 0	0.0071
			<i>Pleurospermum crassicaule</i>	F	3	3300	1	1.49 ± 0.03	0.0000
			<i>Pleurospermum prattii</i>	F	3	3850	2	1.98 ± 0.13	0.0470
			<i>Saposhnikovia divaricata</i>	F	5	3300	1	1.83 ± 0.04	0.0213
			<i>Seseli seseloides</i>	F	5	2250	1	4.20 ± 0.07	0.0026
			<i>Seseli squarulosum</i>	F	5	2200	4	1.82 ± 0.01	0.0050
			<i>Sphallerocarpus gracilis</i>	F	3	2700	4	3.63 ± 0.07	0.0184
			<i>Torilis scabra</i>	F	5	2400	4	2.90 ± 0.03	0.0089
			<i>Apiaceae</i> sp.	F	3	2200	1	0.96 ± 0.01	0.0000
		Asterales							
		Campanulaceae							
			<i>Adenophora himalayana</i>	F	3	3050	4	0.13 ± 0.00	0.3860
			<i>Adenophora potaninii</i>	F	3	2500	4	0.14 ± 0.00	0.7470
			<i>A. potaninii</i> var. <i>bockiana</i>	F	3	3000	1	0.13 ± 0.00	0.5913
			<i>A. potaninii</i> var. <i>potaninii</i>	F	3	2200	4	0.18 ± 0.00	0.5491
			<i>Adenophora stenanthina</i>	F	3	3050	4	0.10 ± 0.00	0.0773
			<i>Campanula aristata</i>	F	3	3500	1	0.03 ± 0.00	0.0240
			<i>Codonopsis bicolor</i>	F	3	3500	3	0.18 ± 0.00	0.0330
			<i>Codonopsis modesta</i>	F	3	2200	4	0.31 ± 0.00	0.0043
			<i>Codonopsis pilosula</i>	F	3	3050	4	0.19 ± 0.00	0.1676
			<i>Cyananthus hookeri</i>	F	3	3100	1	0.24 ± 0.01	0.8788
		Asteraceae							
			<i>Achillea acuminata</i>	F	5	3000	1	0.36 ± 0.01	0.3361
			<i>Ajania fruticulosa</i>	W	5	2600	2	0.25 ± 0.01	0.4276
			<i>Ajania</i> sp.	W	5	3100	4	0.10 ± 0.00	0.8019

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Ajania tenuifolia</i>	F	5	3050	4	0.11 ± 0.01	0.7164
			<i>Anaphalis hancockii</i>	F	5	2800	4	0.10 ± 0.00	0.8552
			<i>Anaphalis lactea</i>	F	5	3500	1	0.14 ± 0.01	0.9033
			<i>Anaphalis margaritacea</i>	F	5	2200	4	0.06 ± 0.00	0.8348
			<i>Artemisia desetorum</i>	F	5	3100	1	0.04 ± 0.00	0.5656
			<i>Artemisia gmelinii</i>	F	5	2300	4	0.42 ± 0.11	0.3252
			<i>Artemisia hedinii</i>	F	5	3450	1	0.32 ± 0.00	0.9631
			<i>Artemisia siversiana</i>	F	5	2400	4	0.20 ± 0.01	0.7684
			<i>Artemisia</i> sp.	F	5	3600	2	0.16 ± 0.00	0.8617
			<i>Aster alpinus</i>	F	5	4000	2	0.42 ± 0.02	0.3017
			<i>Aster</i> sp. 1	F	5	3100	1	0.71 ± 0.02	0.2517
			<i>Aster</i> sp. 2	F	5	3500	1	0.34 ± 0.01	0.6549
			<i>Aster</i> sp. 3	F	5	2200	4	0.36 ± 0.01	0.4323
			<i>Aster</i> sp. 4	F	5	2400	1	0.54 ± 0.01	0.7982
			<i>Aster</i> sp. 5	F	5	2300	4	0.35 ± 0.00	0.9308
			<i>Cacalia deltophylla</i>	F	5	3000	1	0.90 ± 0.00	0.7250
			<i>Cacalia roborowskii</i>	F	5	2300	4	0.83 ± 0.01	0.1471
			<i>Cacalia</i> sp. 1	F	5	2700	4	0.32 ± 0.01	0.3142
			<i>Cacalia</i> sp. 2	F	5	2000	4	0.40 ± 0.03	0.0194
			<i>Cacalia tangutica</i>	F	5	2600	1	0.41 ± 0.04	0.2971
			<i>Carduus crispus</i>	F	5	3520	1	2.49 ± 0.05	0.0164
			<i>Carduus</i> sp.	F	5	2400	2	3.76 ± 0.04	0.1919
			<i>Carpesium cernuum</i>	F	5	2800	4	0.66 ± 0.01	0.5662
			<i>Carpesium lipskyi</i>	F	5	2100	1	0.88 ± 0.01	0.7776
			<i>Cephalanoplos segetum</i>	F	5	2950	1	0.65 ± 0.03	0.0926
			<i>Cirsium japonicum</i>	F	5	2900	4	6.87 ± 0.09	0.8826
			<i>Cirsium leo</i>	F	5	3600	2	3.21 ± 0.013	0.1309
			<i>Cirsium shansiense</i>	F	5	2800	4	2.93 ± 0.03	0.1771
			<i>Cremanthodium brunneopilosum</i>	F	5	3450	1	1.93 ± 0.05	0.4200
			<i>Cremanthodium Lineare</i>	F	5	3600	1	1.06 ± 0.02	0.8196
			<i>Erigeron acer</i>	F	5	3300	2	0.11 ± 0.00	0.3046
			<i>Erigeron</i> sp.	F	5	2940	4	0.49 ± 0.00	0.0054
			<i>Heteropappus crenatifolius</i>	F	5	2900	4	0.09 ± 0.00	0.0784
			<i>Heteropappus hispidus</i>	F	5	2800	2	0.34 ± 0.00	0.1534
			<i>Leibnitzia anandria</i>	F	5	3500	3	1.41 ± 0.01	0.6672
			<i>Leontopodium calocephalum</i>	F	5	4100	2	0.15 ± 0.00	0.9153
			<i>Leontopodium chuii</i>	F	5	3600	2	0.11 ± 0.00	0.9186
			<i>Leontopodium franchetii</i>	F	5	3050	4	0.08 ± 0.00	0.8310
			<i>Leontopodium leontopodicides</i>	F	5	3600	2	0.11 ± 0.00	0.7942
			<i>Leontopodium microphyllum</i>	F	5	3550	3	0.08 ± 0.00	0.8520
			<i>Leontopodium</i> sp. 1	F	5	3600	3	0.08 ± 0.00	0.6829
			<i>Leontopodium</i> sp. 2	F	5	3101	1	0.10 ± 0.00	0.4654
			<i>Leontopodium</i> sp. 3	F	5	4000	2	0.10 ± 0.00	0.6510
			<i>Leontopodium</i> sp. 4	F	5	2800	4	0.05 ± 0.00	0.8437
			<i>Ligularia przewalskii</i>	F	5	3050	4	1.11 ± 0.02	0.6828
			<i>Ligularia virgaurea</i>	F	5	3500	2	1.39 ± 0.01	0.6415
			<i>Onopordum acanthium</i>	F	5	3100	2	2.19 ± 0.67	0.1007
			<i>Picris hieracioides</i> subsp. <i>japonica</i>	F	5	2700	2	1.32 ± 0.03	0.0841
			<i>Saussurea bodinieri</i>	F	5	2800	2	1.10 ± 0.01	0.7434
			<i>Saussurea graminea</i>	F	5	4000	2	2.48 ± 0.15	0.3088
			<i>Saussurea hieracioides</i>	F	5	3500	1	1.83 ± 0.07	0.6664
			<i>Saussurea iodostegia</i>	F	5	3500	1	3.43 ± 0.08	0.7554
			<i>Saussurea neofranchetii</i>	F	5	3500	4	1.20 ± 0.04	0.5079
			<i>Saussurea nigrescens</i>	F	5	3050	4	2.07 ± 0.05	0.7071
			<i>Saussurea salicifolia</i>	F	5	3600	4	0.34 ± 0.05	0.4461
			<i>Saussurea</i> sp. 1	F	5	3050	4	1.19 ± 0.01	0.7104
			<i>Saussurea</i> sp. 2	F	5	3100	1	0.64 ± 0.01	0.4002
			<i>Saussurea</i> sp. 3	F	5	4000	2	1.44 ± 0.02	0.4797
			<i>Saussurea</i> sp. 4	F	5	2200	4	0.59 ± 0.01	0.7161
			<i>Saussurea</i> sp. 5	F	5	2800	2	0.99 ± 0.02	0.0000
			<i>Senecio argunensis</i>	F	5	2900	1	0.59 ± 0.01	0.2517
			<i>Senecio diversipinmus</i>	F	5	2900	4	0.96 ± 0.02	0.4609
			<i>Senecio dubius</i>	F	5	2940	1	0.43 ± 0.00	0.0237

APPENDIX
Continued

Class	Order	Family	Genus and species	LF	DM	AH	HT	SS	WGI
			<i>Senecio flammeus</i>	F	5	3100	2	0.63 ± 0.03	0.7094
			<i>Senecio</i> sp. 1	F	5	2350	4	0.67 ± 0.01	0.3116
			<i>Senecio</i> sp. 2	F	5	3100	4	0.85 ± 0.01	0.7462
			<i>Senecio thianshanicus</i>	F	5	2800	1	0.46 ± 0.01	0.7398
			<i>Serratula centauroides</i>	F	5	3000	4	5.71 ± 0.12	0.1603
			<i>Serratula</i> sp.	F	5	2800	4	6.71 ± 0.25	0.0392
			<i>Sonchus arvensis</i>	F	5	2940	2	0.44 ± 0.00	0.9303
			<i>Sonchus oleraceus</i>	F	5	2950	4	0.44 ± 0.01	0.0152
			<i>Taraxacum mongolicum</i>	F	5	3450	1	0.89 ± 0.01	0.7829
			Asteraceae sp. 1	F	5	3500	4	0.13 ± 0.00	0.3328
			Asteraceae sp. 2	F	5	2940	1	0.96 ± 0.03	0.9253
			Asteraceae sp. 3	F	5	2200	4	11.60 ± 0.49	0.4790
			Dipsacales						
			Dipsacaceae						
			<i>Dipsacus asperoides</i>	F	3	2200	1	5.38 ± 0.07	0.0000
			<i>Dipsacus japonicus</i>	F	3	3500	4	6.26 ± 0.07	0.0036
			<i>Morina parviflora</i>	F	3	3800	1	4.63 ± 0.04	0.0364
			Valerianaceae						
			<i>Nardostachys chinensis</i>	F	3	3900	3	2.54 ± 0.10	0.1878
			<i>Nardostachys</i> sp.	F	3	3100	1	3.66 ± 0.19	0.1019
			<i>Patrinia heterophylla</i>	F	3	2200	4	0.88 ± 0.03	0.4412
			<i>Valeriana pseudofficinalis</i>	F	3	2400	2	0.47 ± 0.02	0.0848
			<i>Valeriana</i> sp.	F	3	2900	3	0.97 ± 0.02	0.0623