



Supplementary Material

Plant Taste Affects Diet Selection by Plateau Zokors (*Eospalax baileyi*)

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Supplemental information

Supplementary Table S1 information on the 103 plants analyzed in this study. Taste: The four tastes defined in the text; Sample size: The number of burrowing systems containing the target plant; Mean: The mean of the E_i values obtained from those burrowing systems that contained the target plant; Lower 90%: The lower limit of the 90% confidence interval of bootstrapping analysis;

Upper 90%: The upper limit of the 90% confidence interval of bootstrapping analysis; Selection: The dietary selection category assigned (where +1 means positive selection, 0 means no dietary preference, -1 means negative selection, and NA means not tested because the sample size was too small ($n < 10$)); Group ID: Groups of the four tastes (A, B, C and D refer to sweet, bitter, other-taste and tasteless, respectively).

Supplementary Table S1. Information on the 103 plants analyzed in this study.

Plant	Taste	Sample size	Mean	Lower 90%	Upper 90%	Selection	Group ID
<i>Viola kunawarensis</i>	Sweet	10	0.933	0.809	1.000	1	A01
<i>Stachys sieboldi</i>	Sweet	18	0.585	0.339	0.814	1	A02
<i>Egisetum arvense</i>	Sweet	67	0.352	0.199	0.503	1	A03
<i>Oxytropis kansuensis</i>	Sweet	86	0.281	0.144	0.397	1	A04
<i>Geranium pylzowianum</i>	Sweet	67	0.278	0.107	0.434	1	A05
<i>Potentilla nivea</i>	Sweet	83	0.173	0.038	0.305	1	A06
<i>Potentilla anserina</i>	Sweet	97	0.137	0.010	0.256	1	A07
<i>Pedicularis alaschanica</i>	Sweet	70	0.178	0.010	0.359	1	A08
<i>Ranunculus tanguticus</i>	Sweet	69	0.200	0.010	0.368	1	A09
<i>Gueldenstaedtia diversifolia</i>	Sweet	67	0.151	0.003	0.297	1	A10
<i>Taraxacum mongolicum</i>	Sweet	86	0.137	-0.006	0.289	0	A11
<i>Aster flaccidus</i>	Sweet	54	0.149	-0.017	0.328	0	A12
<i>Bupleurum smithii</i>	Sweet	33	0.172	-0.076	0.389	0	A13
<i>Polygonatum hookeri</i>	Sweet	16	0.193	-0.181	0.562	0	A14
<i>Iris potaninii</i>	Sweet	16	0.191	-0.194	0.556	0	A15
<i>Salvia roborowskii</i>	Sweet	28	0.036	-0.227	0.317	0	A16
<i>Geranium pratense</i>	Sweet	18	0.142	-0.237	0.491	0	A17
<i>Glaux maritime</i>	Sweet	32	-0.071	-0.318	0.167	0	A18
<i>Ranunculus longicaulis</i>	Sweet	13	-0.077	-0.538	0.400	0	A19
<i>Cirsium japonicum</i>	Sweet	15	-0.273	-0.656	0.116	0	A20

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Plant	Taste	Sample size	Mean	Lower 90%	Upper 90%	Selection	Group_ID
<i>Cirsium setosum</i>	Sweet	36	-0.224	-0.428	-0.023	-1	A21
<i>Saussurea superba</i>	Sweet	50	-0.401	-0.567	-0.252	-1	A22
<i>Saussurea minuta</i>	Sweet	44	-0.422	-0.606	-0.211	-1	A23
<i>Artemisia annua</i>	Sweet	22	-0.393	-0.690	-0.093	-1	A24
<i>Hippophae thibetana</i>	Sweet	26	-0.557	-0.771	-0.332	-1	A25
<i>Saussurea qinghaiensis</i>	Sweet	16	-0.663	-0.921	-0.347	-1	A26
<i>Potentilla bifurca</i>	Sweet	38	-0.781	-0.922	-0.628	-1	A27
<i>Elsholtzia densa</i>	Sweet	30	-0.806	-0.951	-0.619	-1	A28
<i>Chenopodium album</i>	Sweet	19	-0.819	-0.984	-0.627	-1	A29
<i>Microula trichocarpa</i>	Sweet	12	-1.000	-1.000	-1.000	-1	A30
<i>Brassica napus</i>	Sweet	16	-1.000	-1.000	-1.000	-1	A31
<i>Stellera chamaejasme</i>	Bitter	14	0.699	0.474	0.876	1	B01
<i>Sonchus arvensis</i>	Bitter	46	0.491	0.327	0.659	1	B02
<i>Hypocoum leptocarpum</i>	Bitter	30	0.544	0.304	0.751	1	B03
<i>Polygonum viviparum</i>	Bitter	84	0.305	0.157	0.459	1	B04
<i>Geum aleppicum</i>	Bitter	15	0.402	0.088	0.706	1	B05
<i>Anemone imbricata</i>	Bitter	61	0.161	-0.021	0.341	0	B06
<i>Plantago depressa</i>	Bitter	64	-0.010	-0.189	0.171	0	B07
<i>Thalictrum alpinum</i>	Bitter	64	-0.029	-0.198	0.149	0	B08
<i>Ligularia virgaurea</i>	Bitter	30	-0.069	-0.333	0.242	0	B09
<i>Anemone rivularis</i>	Bitter	14	-0.072	-0.513	0.343	0	B10
<i>Lancea tibetica</i>	Bitter	80	-0.235	-0.380	-0.089	-1	B11
<i>Thermopsis lanceolata</i>	Bitter	39	-0.216	-0.416	-0.002	-1	B12
<i>Trigonella ruthenica</i>	Bitter	39	-0.273	-0.482	-0.052	-1	B13
<i>Polygonum sibiricum</i>	Bitter	38	-0.283	-0.508	-0.056	-1	B14
<i>Kobresia humilis</i>	Bitter	67	-0.551	-0.675	-0.423	-1	B15
<i>Artemisia sieversiana</i>	Bitter	48	-0.546	-0.700	-0.385	-1	B16
<i>Ajania tenuifolia</i>	Bitter	25	-0.437	-0.701	-0.150	-1	B17
<i>Cerastium caespitosum</i>	Bitter	38	-0.659	-0.834	-0.474	-1	B18
<i>Stellaria uda</i>	Bitter	39	-0.820	-0.934	-0.679	-1	B19
<i>Jaeschkea microsperma</i>	Bitter	49	-0.898	-0.962	-0.814	-1	B20
<i>Anaphalis lactea</i>	Bitter	35	-0.854	-0.976	-0.717	-1	B21
<i>Polygonum aviculare</i>	Bitter	29	-0.917	-0.982	-0.828	-1	B22
<i>Lonicera minuta</i>	Bitter	14	-0.725	-1.000	-0.400	-1	B23
<i>Viola philippica</i>	Bitter	14	-0.571	-1.000	-0.167	-1	B24
<i>Swertia diluta</i>	Bitter	17	-1.000	-1.000	-1.000	-1	B25
<i>Artemisia hedinii</i>	Bitter	20	-1.000	-1.000	-0.998	-1	B26
<i>Gentiana straminea</i>	Other-taste	41	-0.119	-0.320	0.075	0	C01

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Plant	Taste	Sample size	Mean	Lower 90%	Upper 90%	Selection	Group_ID
<i>Morina chinensis</i>	Other-taste	24	-0.046	-0.333	0.241	0	C02
<i>Carum buriaticum</i>	Other-taste	10	0.104	-0.403	0.634	0	C03
<i>Gentiana farreri</i>	Other-taste	50	-0.201	-0.413	-0.016	-1	C04
<i>Allium przewalskianum</i>	Other-taste	30	-0.478	-0.721	-0.239	-1	C05
<i>Sibbaldia aphanopetala</i>	Other-taste	10	-0.881	-0.995	-0.720	-1	C06
<i>Sciepus distigmaticus</i>	Tasteless	68	-0.466	-0.600	-0.334	-1	D01
<i>Carex sp.</i>	Tasteless	83	-0.632	-0.730	-0.520	-1	D02
<i>Gramineae</i>	Tasteless	126	-0.738	-0.787	-0.683	-1	D03
<i>Kobresia capillifolia</i>	Tasteless	22	-0.636	-0.894	-0.335	-1	D04
<i>Potentilla fruticosa</i>	Tasteless	68	-0.867	-0.937	-0.792	-1	D05
<i>Leontopodium nanum</i>	Tasteless	75	-0.930	-0.976	-0.875	-1	D06
<i>Kobresia parva</i>	Tasteless	37	-0.999	-1.000	-0.999	-1	D07
<i>Rumex patientia</i>	Bitter	1	1.000	NA	NA	NA	X01
<i>Fragaria orientalis</i>	Other-taste	1	1.000	NA	NA	NA	X02
<i>Silene conoidea</i>	Bitter	1	-1.000	NA	NA	NA	X03
<i>Actinocarya tibetica</i>	Sweet	1	-1.000	NA	NA	NA	X04
<i>Triticum aestivum</i>	Tasteless	1	1.000	NA	NA	NA	X05
<i>Valeriana officinalis</i>	Other-taste	1	-1.000	NA	NA	NA	X06
<i>Avena sativa</i>	Tasteless	1	1.000	NA	NA	NA	X07
<i>Ixeridium sonchifolium</i>	Bitter	2	-1.000	NA	NA	NA	X08
<i>Delphinium candelabrum</i>	Bitter	2	-1.000	NA	NA	NA	X09
<i>Aster asteroides</i>	Sweet	2	0.000	NA	NA	NA	X10
<i>Artemisia vestita</i>	Bitter	2	-1.000	NA	NA	NA	X11
<i>Picea crassifolia</i>	Bitter	2	1.000	NA	NA	NA	X12
<i>Euphorbia tangutica</i>	Bitter	2	-0.045	NA	NA	NA	X13
<i>Carpesium abrotanoides</i>	Other-taste	2	1.000	NA	NA	NA	X14
<i>Epilobium palustre</i>	Other-taste	2	0.700	NA	NA	NA	X15
<i>Swertia franchetiana</i>	Bitter	3	-0.333	NA	NA	NA	X16
<i>Corydalis dasyptera</i>	Bitter	3	-0.833	NA	NA	NA	X17
<i>Youngia simulatrix</i>	Sweet	3	-1.000	NA	NA	NA	X18
<i>Notopterygium forbesii</i>	Bitter	3	0.027	NA	NA	NA	X19
<i>Saxifraga montana</i>	Bitter	3	-0.333	NA	NA	NA	X20
<i>Gentianopsis paludosa</i>	Bitter	3	-1.000	NA	NA	NA	X21
<i>Ranunculus dondregensis</i>	Sweet	3	0.333	NA	NA	NA	X22
<i>Elsholtzia feddei</i>	Sweet	4	-1.000	NA	NA	NA	X23
<i>Galium aparine</i>	Bitter	4	-1.000	NA	NA	NA	X24
<i>Rheum pumilum</i>	Bitter	4	0.545	NA	NA	NA	X25
<i>Lamium amplexicaule</i>	Bitter	5	-1.000	NA	NA	NA	X26
<i>Caragana microphylla</i>	Other-taste	5	-0.416	NA	NA	NA	X27
<i>Polygonum divaricatum</i>	Other-taste	6	0.863	NA	NA	NA	X28
<i>Salvia japonica</i>	Sweet	6	0.332	NA	NA	NA	X29
<i>Veronica ciliata</i>	Bitter	7	-0.171	NA	NA	NA	X30
<i>Salix oritrepha</i>	Other-taste	7	-0.714	NA	NA	NA	X31
<i>Cirsium souliei</i>	Bitter	7	0.869	NA	NA	NA	X32
<i>Viola bulbosa</i>	Sweet	9	0.416	NA	NA	NA	X33