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Wildlife Research

Supplementary Material

Spatial and temporal variation in the diet of introduced sambar deer (*Cervus unicolor*) in an alpine landscape

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Table S1. Taxonomic table displaying the assignment of zOTUs in sambar deer faecal samples. Sum refers to total number of sequence reads for each zOTU. Count refers to the number of samples a zOTU was detected in, and average read depth highlights the total reads on average for zOTUs across detected samples.

zOTU ID	Order	Class	Family	Genus	Species	Growth Form	Sum	Count	Average Read Depth
Zotu4	Magnoliopsida	Myrtales	Myrtaceae	Eucalyptus		Woody	89181	67	1331.06
Zotu6	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	132241	70	1889.16
Zotu8	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	81968	68	1205.41
Zotu11	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	42087	61	689.95
Zotu13	Magnoliopsida	Myrtales	Myrtaceae	Eucalyptus	pauciflora	Woody	24441	39	626.69
Zotu14	Magnoliopsida	Myrtales	Myrtaceae	Eucalyptus		Woody	19976	42	475.62
Zotu22	Magnoliopsida	Myrtales	Myrtaceae	Eucalyptus		Woody	10463	42	249.12
Zotu23	Magnoliopsida	Asterales	Asteraceae	Leptinella	filicula	Forb	4511	6	751.83
Zotu24	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	3298	31	106.39
Zotu25	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	7907	33	239.61
Zotu26	Magnoliopsida	Asterales	Asteraceae	Hypochaeris	radicata	Forb	9419	44	214.07
Zotu29	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	15522	22	705.55
Zotu30	Magnoliopsida	Asterales	Stylidiaceae	Stylidium	graminifolium	Forb	1650	17	97.06
Zotu31	Magnoliopsida	Caryophyllales	Caryophyllaceae	Scleranthus	biflorus	Forb	8629	16	539.31

Zotu32	Magnoliopsida	Malpighiales	Salicaceae	Salix	cinerea	Woody	7562	12	630.17
Zotu35	Magnoliopsida	Sapindales	Rutaceae	Phebalium	squamulosum subsp. ozothamnoides	Woody	8052	29	277.66
Zotu37	Magnoliopsida	Apiales	Apiaceae	Oreomyrrhis	eriopoda	Forb	11857	23	515.52
Zotu39	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	6704	19	352.84
Zotu40	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	7014	51	137.53
Zotu43	Magnoliopsida	Myrtales	Onagraceae	Epilobium		Forb	5801	32	181.28
Zotu48	Magnoliopsida	Caryophyllales	Caryophyllaceae	Scleranthus	biflorus	Forb	5602	13	430.92
Zotu49	Magnoliopsida	Poales	Poaceae	Poa	costiniana	Graminoid	5523	45	122.73
Zotu53	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	4447	19	234.05
Zotu54	Magnoliopsida	Rosales	Rhamnaceae	Pomaderris		Woody	2627	3	875.67
Zotu55	Magnoliopsida	Malpighiales	Salicaceae	Salix		Woody	2907	11	264.27
Zotu56	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	110	9	12.22
Zotu58	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	245	16	15.31
Zotu59	Magnoliopsida	Asterales	Stylidiaceae	Stylidium	graminifolium	Forb	1525	14	108.93
Zotu60	Magnoliopsida	Fabales	Fabaceae	Bossiaea	foliosa	Woody	2348	7	335.43
Zotu66	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	165	14	11.79
Zotu73	Magnoliopsida	Myrtales	Onagraceae	Epilobium		Forb	2166	25	86.64
Zotu74	Magnoliopsida	Fabales	Fabaceae	Podolobium	alpestre	Woody	1624	12	135.33
Zotu75	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	1604	21	76.38
Zotu76	Magnoliopsida	Asterales	Asteraceae	Microseris	lanceolata	Forb	3483	18	193.50
Zotu78	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	1182	32	36.94
Zotu79	Magnoliopsida	Myrtales	Onagraceae	Epilobium		Forb	1847	14	131.93
Zotu80	Magnoliopsida	Fabales	Fabaceae	Bossiaea	foliosa	Woody	1656	7	236.57
Zotu81	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	2552	11	232.00
Zotu82	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	4047	20	202.35
Zotu83	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	138	6	23.00
Zotu86	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	364	10	36.40
Zotu87	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	1775	8	221.88

Zotu88	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	1462	16	91.38
Zotu89	Magnoliopsida	Sapindales	Rutaceae	Asterolasia	asteriscophora	Woody	360	11	32.73
Zotu90	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	786	25	31.44
Zotu91	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	891	17	52.41
Zotu92	Magnoliopsida	Caryophyllales	Caryophyllaceae	Scleranthus	biflorus	Forb	281	3	93.67
Zotu93	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	1812	14	129.43
Zotu95	Magnoliopsida	Myrtales	Myrtaceae	Eucalyptus		Woody	1183	7	169.00
Zotu97	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	4429	18	246.06
Zotu98	Magnoliopsida	Asterales	Stylidiaceae	Stylidium	graminifolium	Forb	396	14	28.29
Zotu99	Magnoliopsida	Apiales	Araliaceae	Hydrocotyle	sibthorpioides	Forb	207	5	41.40
Zotu103	Magnoliopsida	Asterales	Asteraceae	Craspedia	gracilis	Forb	2236	14	159.71
Zotu104	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	602	12	50.17
Zotu105	Magnoliopsida	Brassicales	Brassicaceae	Cardamine		Forb	36	2	18.00
Zotu107	Magnoliopsida	Fabales	Fabaceae	Podolobium	alpestre	Woody	780	1	780.00
Zotu108	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	1955	18	108.61
Zotu113	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	673	13	51.77
Zotu116	Magnoliopsida	Fabales	Fabaceae	Trifolium	repens	Forb	2196	12	183.00
Zotu117	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	911	12	75.92
Zotu119	Magnoliopsida	Fabales	Fabaceae	Trifolium	repens	Forb	7	1	7.00
Zotu120	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	1202	24	50.08
Zotu126	Magnoliopsida	Caryophyllales	Caryophyllaceae	Cerastium	glomeratum	Forb	408	6	68.00
Zotu127	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	147	11	13.36
Zotu128	Magnoliopsida	Asterales	Asteraceae	Coronidium	monticola	Forb	1417	22	64.41
Zotu129	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	27	5	5.40
Zotu130	Magnoliopsida	Myrtales	Onagraceae	Epilobium		Forb	609	13	46.85
Zotu131	Magnoliopsida	Fabales	Fabaceae	Trifolium	repens	Forb	1557	13	119.77
Zotu133	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	185	20	9.25
Zotu134	Magnoliopsida	Malpighiales	Salicaceae	Salix	cinerea	Woody	757	5	151.40

Zotu140	Magnoliopsida	Poales	Poaceae	Phleum	pratense	Graminoid	27	2	13.50
Zotu141	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	251	10	25.10
Zotu143	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	30	5	6.00
Zotu144	Magnoliopsida	Asterales	Asteraceae	Cassinia	aculeata	Woody	6	2	3.00
Zotu147	Magnoliopsida	Geraniales	Geraniaceae	Geranium	solanderi	Forb	723	5	144.60
Zotu148	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	1674	15	111.60
Zotu149	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	363	27	13.44
Zotu151	Pinopsida	Pinales	Podocarpaceae	Podocarpus	lawrencei	Woody	21	3	7.00
Zotu155	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	1047	12	87.25
Zotu156	Magnoliopsida	Poales	Poaceae	Poa	costiniana	Graminoid	1269	27	47.00
Zotu160	Magnoliopsida	Sapindales	Rutaceae	Phebalium	squamulosum subsp. ozothamnoides	Woody	712	15	47.47
Zotu166	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	13	2	6.50
Zotu168	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	114	12	9.50
Zotu169	Magnoliopsida	Asterales	Asteraceae	Microseris	lanceolata	Forb	962	9	106.89
Zotu170	Magnoliopsida	Apiales	Araliaceae	Hydrocotyle	sibthorpioides	Forb	25	4	6.25
Zotu173	Magnoliopsida	Fabales	Fabaceae	Bossiaea	foliosa	Woody	562	2	281.00
Zotu175	Magnoliopsida	Rosales	Rhamnaceae	Pomaderris		Woody	463	1	463.00
Zotu178	Magnoliopsida	Proteales	Proteaceae	Orites	lancifolius	Woody	587	3	195.67
Zotu179	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	478	4	119.50
Zotu180	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	1260	21	60.00
Zotu182	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	556	16	34.75
Zotu184	Magnoliopsida	Rosales	Urticaceae	Urtica		Forb	3	1	3.00
Zotu185	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	11	1	11.00
Zotu193	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	582	21	27.71
Zotu194	Magnoliopsida	Asterales	Asteraceae	Craspedia		Forb	804	15	53.60
Zotu195	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	714	30	23.80
Zotu198	Magnoliopsida	Poales	Poaceae	Poa	pratensis	Graminoid	569	12	47.42
Zotu200	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	680	7	97.14

Zotu203	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	473	9	52.56
Zotu205	Magnoliopsida	Asparagales	Asphodelaceae	Dianella	tasmanica	Graminoid	1009	1	1009.00
Zotu209	Magnoliopsida	Poales	Poaceae	Agrostis		Graminoid	762	11	69.27
Zotu210	Magnoliopsida	Malvales	Thymelaeaceae	Pimelea	axiflora subsp. alpina	Woody	751	4	187.75
Zotu212	Magnoliopsida	Asterales	Asteraceae	Cassinia	aculeata	Woody	71	2	35.50
Zotu214	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	300	7	42.86
Zotu217	Magnoliopsida	Malvales	Thymelaeaceae	Pimelea	alpina	Woody	586	6	97.67
Zotu219	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	431	3	143.67
Zotu220	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	773	25	30.92
Zotu223	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	525	6	87.50
Zotu224	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	412	24	17.17
Zotu226	Magnoliopsida	Sapindales	Rutaceae	Phebalium	squamulosum	Woody	456	14	32.57
Zotu231	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	415	22	18.86
Zotu232	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	96	6	16.00
Zotu234	Magnoliopsida	Asterales	Asteraceae	Hypochaeris	glabra	Forb	14	1	14.00
Zotu235	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	565	26	21.73
Zotu240	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	838	31	27.03
Zotu241	Magnoliopsida	Asterales	Asteraceae	Craspedia		Forb	420	11	38.18
Zotu242	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	108	11	9.82
Zotu243	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	849	14	60.64
Zotu245	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	379	4	94.75
Zotu246	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	384	4	96.00
Zotu248	Magnoliopsida	Asterales	Asteraceae	Achillea	millefolium	Forb	431	6	71.83
Zotu249	Magnoliopsida	Asterales	Asteraceae	Taraxacum		Forb	324	4	81.00
Zotu250	Magnoliopsida	Poales	Poaceae	Poa		Graminoid	381	11	34.64
Zotu251	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	395	14	28.21
Zotu252	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	820	27	30.37
Zotu256	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	539	23	23.43

Zotu257	Magnoliopsida	Asterales	Asteraceae	Coronidium	monticola	Forb	366	6	61.00
Zotu263	Magnoliopsida	Lamiales	Plantaginaceae	Plantago		Forb	55	1	55.00
Zotu267	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	295	12	24.58
Zotu268	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	305	2	152.50
Zotu270	Magnoliopsida	Caryophyllales	Caryophyllaceae	Cerastium		Forb	109	8	13.63
Zotu271	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	84	8	10.50
Zotu272	Magnoliopsida	Ranunculales	Ranunculaceae	Ranunculus	repens	Forb	135	9	15.00
Zotu274	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	402	2	201.00
Zotu275	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	310	14	22.14
Zotu280	Magnoliopsida	Fabales	Fabaceae	Bossiaea	foliosa	Woody	208	2	104.00
Zotu281	Magnoliopsida	Ranunculales	Ranunculaceae	Ranunculus	eichlerianus	Forb	134	10	13.40
Zotu282	Magnoliopsida	Asterales	Asteraceae	Coronidium	monticola	Forb	320	7	45.71
Zotu283	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	58	7	8.29
Zotu287	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	265	8	33.13
Zotu288	Magnoliopsida	Asterales	Asteraceae	Olearia	phlogopappa	Woody	244	11	22.18
Zotu289	Magnoliopsida	Rosales	Rhamnaceae	Pomaderris		Woody	258	1	258.00
Zotu292	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	3	1	3.00
Zotu293	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	232	2	116.00
Zotu295	Magnoliopsida	Asterales	Asteraceae	Leptorhynchos	squamatus	Forb	316	10	31.60
Zotu297	Magnoliopsida	Canellales	Winteraceae	Tasmannia	vickeriana	Woody	208	5	41.60
Zotu298	Magnoliopsida	Asterales	Asteraceae	Euchiton	japonicus	Forb	13	1	13.00
Zotu299	Magnoliopsida	Myrtales	Onagraceae	Epilobium		Forb	259	4	64.75
Zotu300	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	323	7	46.14
Zotu303	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	390	8	48.75
Zotu304	Magnoliopsida	Myrtales	Myrtaceae	Eucalyptus		Woody	324	6	54.00
Zotu306	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	243	9	27.00
Zotu307	Magnoliopsida	Lamiales	Lamiaceae	Prostanthera		Woody	12	3	4.00
Zotu309	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	153	12	12.75

Zotu310	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	343	15	22.87
Zotu311	Magnoliopsida	Poales	Poaceae	Lolium	perenne	Graminoid	186	1	186.00
Zotu312	Magnoliopsida	Asterales	Stylidiaceae	Stylidium	graminifolium	Forb	91	1	91.00
Zotu318	Magnoliopsida	Poales	Poaceae	Poa		Graminoid	221	7	31.57
Zotu319	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	181	6	30.17
Zotu320	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	243	12	20.25
Zotu321	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	325	9	36.11
Zotu327	Magnoliopsida	Sapindales	Rutaceae	Phebalium	squamulosum subsp. ozothamnoides	Woody	301	12	25.08
Zotu331	Magnoliopsida	Ranunculales	Ranunculaceae	Ranunculus		Forb	27	3	9.00
Zotu334	Magnoliopsida	Myrtales	Myrtaceae	Leptospermum	lanigerum	Woody	223	3	74.33
Zotu335	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	365	1	365.00
Zotu337	Magnoliopsida	Myrtales	Myrtaceae	Baeckea		Woody	201	9	22.33
Zotu340	Magnoliopsida	Asterales	Asteraceae	Pilosella		Forb	26	1	26.00
Zotu342	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	312	7	44.57
Zotu345	Magnoliopsida	Asterales	Asteraceae	Craspedia	gracilis	Forb	263	6	43.83
Zotu346	Magnoliopsida	Canellales	Winteraceae	Tasmania		Woody	232	10	23.20
Zotu347	Magnoliopsida	Canellales	Winteraceae	Tasmania	vickeriana	Woody	334	5	66.80
Zotu350	Magnoliopsida	Ericales	Ericaceae	Gaultheria	appressa	Woody	262	6	43.67
Zotu352	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	209	11	19.00
Zotu353	Magnoliopsida	Poales	Cyperaceae	Carex	canescens	Graminoid	166	15	11.07
Zotu354	Magnoliopsida	Rosales	Urticaceae	Urtica		Forb	14	3	4.67
Zotu358	Magnoliopsida	Asterales	Asteraceae	Coronidium	monticola	Forb	24	3	8.00
Zotu359	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	48	4	12.00
Zotu360	Magnoliopsida	Geraniales	Geraniaceae	Geranium	homeanum	Forb	210	16	13.13
Zotu362	Magnoliopsida	Poales	Poaceae	Poa		Graminoid	170	5	34.00
Zotu366	Magnoliopsida	Fabales	Fabaceae	Platylobium		Woody	126	1	126.00
Zotu369	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	306	5	61.20
Zotu375	Magnoliopsida	Malpighiales	Salicaceae	Salix		Woody	134	2	67.00

Zotu379	Magnoliopsida	Lamiales	Plantaginaceae	Veronica		Forb	310	12	25.83
Zotu381	Magnoliopsida	Myrtales	Myrtaceae	Kunzea		Woody	134	5	26.80
Zotu385	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	157	9	17.44
Zotu386	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	236	8	29.50
Zotu387	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	190	6	31.67
Zotu389	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	180	3	60.00
Zotu390	Magnoliopsida	Fabales	Fabaceae	Bossiaea	foliosa	Woody	218	2	109.00
Zotu391	Magnoliopsida	Caryophyllales	Caryophyllaceae	Scleranthus	biflorus	Forb	121	2	60.50
Zotu392	Magnoliopsida	Myrtales	Onagraceae	Epilobium		Forb	126	5	25.20
Zotu395	Magnoliopsida	Myrtales	Onagraceae	Epilobium		Forb	263	2	131.50
Zotu396	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	241	2	120.50
Zotu399	Magnoliopsida	Poales	Juncaceae	Luzula	modesta	Graminoid	7	2	3.50
Zotu402	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	412	19	21.68
Zotu404	Magnoliopsida	Poales	Poaceae	Agrostis		Graminoid	223	9	24.78
Zotu408	Magnoliopsida	Ericales	Ericaceae	Acrothamnus	maccrei	Woody	108	3	36.00
Zotu409	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	157	12	13.08
Zotu411	Magnoliopsida	Fabales	Fabaceae	Oxylobium	ellipticum	Woody	39	5	7.80
Zotu416	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	340	20	17.00
Zotu417	Magnoliopsida	Asterales	Asteraceae	Achillea	millefolium	Forb	243	4	60.75
Zotu418	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	134	10	13.40
Zotu419	Magnoliopsida	Asterales	Asteraceae	Olearia	phlogopappa	Woody	123	2	61.50
Zotu420	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	145	9	16.11
Zotu421	Magnoliopsida	Asterales	Asteraceae	Taraxacum		Forb	52	5	10.40
Zotu423	Magnoliopsida	Sapindales	Rutaceae	Phebalium	Squamulosum	Woody	124	4	31.00
Zotu428	Magnoliopsida	Fabales	Fabaceae	Trifolium	repens	Forb	264	1	264.00
Zotu429	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	292	17	17.18
Zotu431	Magnoliopsida	Asterales	Asteraceae	Craspedia		Forb	99	4	24.75
Zotu435	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	49	8	6.13

Zotu438	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	257	19	13.53
Zotu439	Magnoliopsida	Myrtales	Myrtaceae	Kunzea	muelleri	Woody	125	8	15.63
Zotu440	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	87	1	87.00
Zotu441	Magnoliopsida	Proteales	Proteaceae	Grevillea		Woody	273	8	34.13
Zotu444	Magnoliopsida	Poales	Poaceae	Poa		Graminoid	108	3	36.00
Zotu445	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	148	1	148.00
Zotu446	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	107	12	8.92
Zotu447	Magnoliopsida	Proteales	Proteaceae	Orites	lancifolius	Woody	133	2	66.50
Zotu448	Magnoliopsida	Poales	Cyperaceae	Carpha	nivicola	Graminoid	38	1	38.00
Zotu449	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	184	10	18.40
Zotu450	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	209	5	41.80
Zotu451	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	110	10	11.00
Zotu455	Magnoliopsida	Asterales	Asteraceae	Olearia	phlogopappa	Woody	32	4	8.00
Zotu457	Magnoliopsida	Ranunculales	Ranunculaceae	Ranunculus		Forb	97	5	19.40
Zotu464	Magnoliopsida	Fabales	Fabaceae	Hovea		Woody	129	8	16.13
Zotu467	Magnoliopsida	Asterales	Asteraceae	Sonchus		Forb	6	1	6.00
Zotu469	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	59	1	59.00
Zotu473	Magnoliopsida	Caryophyllales	Caryophyllaceae	Cerastium		Forb	50	1	50.00
Zotu474	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	96	1	96.00
Zotu476	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	304	19	16.00
Zotu484	Magnoliopsida	Rosales	Rhamnaceae	Pomaderris		Woody	217	1	217.00
Zotu485	Magnoliopsida	Asterales	Asteraceae	Picris		Forb	77	5	15.40
Zotu486	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	9	2	4.50
Zotu490	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	142	2	71.00
Zotu491	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	71	1	71.00
Zotu493	Magnoliopsida	Asterales	Asteraceae	Xerochrysum	subundulatum	Forb	30	4	7.50
Zotu494	Magnoliopsida	Asterales	Asteraceae	Achillea	millefolium	Forb	127	5	25.40
Zotu495	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	149	6	24.83

Zotu497	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	19	1	19.00
Zotu500	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	89	1	89.00
Zotu501	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	159	1	159.00
Zotu502	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	82	4	20.50
Zotu503	Magnoliopsida	Proteales	Proteaceae	Grevillea		Woody	226	4	56.50
Zotu506	Magnoliopsida	Asterales	Asteraceae	Celmisia	sericophylla	Forb	3	1	3.00
Zotu509	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	149	10	14.90
Zotu510	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	107	2	53.50
Zotu511	Magnoliopsida	Myrtales	Myrtaceae	Baeckea		Woody	84	4	21.00
Zotu512	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	210	1	210.00
Zotu518	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	66	3	22.00
Zotu519	Magnoliopsida	Cucurbitales	Cucurbitaceae	Cucumis		Forb	173	4	43.25
Zotu523	Magnoliopsida	Apiales	Araliaceae	Trachymene		Forb	123	7	17.57
Zotu524	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	70	9	7.78
Zotu525	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	76	7	10.86
Zotu526	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	137	2	68.50
Zotu542	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	203	11	18.45
Zotu544	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	66	7	9.43
Zotu545	Magnoliopsida	Proteales	Proteaceae	Orites	lancifolius	Woody	112	2	56.00
Zotu548	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	69	1	69.00
Zotu550	Magnoliopsida	Fabales	Fabaceae	Oxylobium	ellipticum	Woody	3	1	3.00
Zotu553	Magnoliopsida	Myrtales	Myrtaceae	Baeckea		Woody	46	2	23.00
Zotu558	Magnoliopsida	Poales	Poaceae	Agrostis		Graminoid	80	3	26.67
Zotu559	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	101	12	8.42
Zotu561	Magnoliopsida	Asterales	Asteraceae	Olearia	phlogopappa	Woody	88	2	44.00
Zotu582	Magnoliopsida	Asterales	Stylidiaceae	Stylidium	graminifolium	Forb	30	1	30.00
Zotu583	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	21	3	7.00
Zotu586	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	146	1	146.00

Zotu588	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	39	5	7.80
Zotu589	Magnoliopsida	Asterales	Asteraceae	Achillea	millefolium	Forb	80	3	26.67
Zotu592	Magnoliopsida	Malpighiales	Violaceae	Viola		Forb	27	5	5.40
Zotu596	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	109	13	8.38
Zotu601	Magnoliopsida	Poales	Poaceae	Poa		Graminoid	111	5	22.20
Zotu602	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	103	6	17.17
Zotu604	Magnoliopsida	Asterales	Asteraceae	Achillea	millefolium	Forb	31	1	31.00
Zotu605	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	59	2	29.50
Zotu608	Magnoliopsida	Sapindales	Rutaceae	Asterolasia	asteriscophora	Woody	32	5	6.40
Zotu615	Magnoliopsida	Lamiales	Orobanchaceae	Euphrasia	crassiuscula	Forb	60	4	15.00
Zotu619	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	122	9	13.56
Zotu626	Magnoliopsida	Apiales	Araliaceae	Polyscias	sambucifolia	Woody	90	7	12.86
Zotu630	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	34	4	8.50
Zotu632	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	192	12	16.00
Zotu639	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	47	2	23.50
Zotu640	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	41	6	6.83
Zotu642	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	113	11	10.27
Zotu643	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	38	3	12.67
Zotu645	Magnoliopsida	Asterales	Asteraceae	Coronidium	monticola	Forb	43	5	8.60
Zotu647	Magnoliopsida	Canellales	Winteraceae	Tasmannia	vickeriana	Woody	25	1	25.00
Zotu648	Magnoliopsida	Myrtales	Myrtaceae	Kunzea	muelleri	Woody	99	4	24.75
Zotu649	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	353	14	25.21
Zotu656	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	70	9	7.78
Zotu658	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	79	9	8.78
Zotu663	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	65	5	13.00
Zotu665	Magnoliopsida	Myrtales	Myrtaceae	Baeckea		Woody	34	4	8.50
Zotu672	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	23	1	23.00
Zotu673	Magnoliopsida	Malpighiales	Salicaceae	Salix		Woody	38	1	38.00

Zotu674	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	76	2	38.00
Zotu675	Magnoliopsida	Asterales	Asteraceae	Olearia	phlogopappa	Woody	49	5	9.80
Zotu678	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	113	7	16.14
Zotu684	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	55	6	9.17
Zotu689	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	14	1	14.00
Zotu703	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	150	1	150.00
Zotu704	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	33	2	16.50
Zotu705	Magnoliopsida	Proteales	Proteaceae	Grevillea		Woody	52	3	17.33
Zotu706	Magnoliopsida	Rosales	Rhamnaceae	Pomaderris		Woody	71	1	71.00
Zotu708	Magnoliopsida	Malpighiales	Hypericaceae	Hypericum	japonicum	Forb	63	4	15.75
Zotu714	Magnoliopsida	Asterales	Asteraceae	Leptinella		Forb	16	1	16.00
Zotu715	Magnoliopsida	Lamiales	Plantaginaceae	Veronica		Forb	91	9	10.11
Zotu716	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	60	5	12.00
Zotu719	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	113	9	12.56
Zotu720	Magnoliopsida	Sapindales	Rutaceae	Asterolasia	asteriscophora	Woody	63	6	10.50
Zotu730	Magnoliopsida	Asterales	Asteraceae	Cirsium	vulgare	Forb	85	3	28.33
Zotu731	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	9	3	3.00
Zotu734	Magnoliopsida	Ranunculales	Ranunculaceae	Psychrophila	introloba	Forb	7	1	7.00
Zotu735	Magnoliopsida	Poales	Poaceae	Poa		Graminoid	55	5	11.00
Zotu736	Magnoliopsida	Asterales	Asteraceae	Achillea	millefolium	Forb	60	3	20.00
Zotu737	Magnoliopsida	Malpighiales	Violaceae	Viola		Forb	44	2	22.00
Zotu738	Magnoliopsida	Lamiales	Plantaginaceae	Veronica		Forb	90	7	12.86
Zotu739	Magnoliopsida	Fabales	Fabaceae	Bossiaea	foliosa	Woody	45	1	45.00
Zotu740	Magnoliopsida	Asterales	Asteraceae	Leptorhynchos	squamatus	Forb	18	1	18.00
Zotu741	Magnoliopsida	Poales	Juncaceae	Juncus	subsecundus	Graminoid	3	1	3.00
Zotu742	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	66	1	66.00
Zotu743	Magnoliopsida	Asterales	Asteraceae	Taraxacum		Forb	42	1	42.00
Zotu770	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	18	1	18.00

Zotu772	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	38	1	38.00
Zotu775	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	153	13	11.77
Zotu776	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	72	1	72.00
Zotu777	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	31	1	31.00
Zotu778	Magnoliopsida	Ericales	Ericaceae	Acrothamnus	maccrei	Woody	11	1	11.00
Zotu791	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	55	1	55.00
Zotu792	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	19	1	19.00
Zotu794	Magnoliopsida	Fabales	Fabaceae	Bossiaea	foliosa	Woody	26	2	13.00
Zotu795	Magnoliopsida	Poales	Poaceae	Anthoxanthum	odoratum	Graminoid	49	4	12.25
Zotu800	Magnoliopsida	Asterales	Asteraceae	Leptorhynchos	squamatus	Forb	70	3	23.33
Zotu802	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	176	15	11.73
Zotu803	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	59	9	6.56
Zotu805	Magnoliopsida	Asterales	Asteraceae	Craspedia		Forb	38	1	38.00
Zotu807	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	35	4	8.75
Zotu808	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	27	2	13.50
Zotu809	Magnoliopsida	Poales	Poaceae	Agrostis		Graminoid	34	1	34.00
Zotu810	Magnoliopsida	Asterales	Asteraceae	Craspedia		Forb	24	1	24.00
Zotu811	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	51	6	8.50
Zotu813	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	408	24	17.00
Zotu816	Magnoliopsida	Asterales	Asteraceae	Leptorhynchos	squamatus	Forb	77	3	25.67
Zotu821	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	15	1	15.00
Zotu822	Magnoliopsida	Asterales	Asteraceae	Celmisia	costiniana	Forb	9	2	4.50
Zotu823	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	33	2	16.50
Zotu831	Magnoliopsida	Caryophyllales	Caryophyllaceae	Stellaria		Forb	26	1	26.00
Zotu838	Magnoliopsida	Malpighiales	Violaceae	Melicytus	dentatus	Woody	19	3	6.33
Zotu839	Magnoliopsida	Myrtales	Myrtaceae	Eucalyptus		Woody	576	18	32.00
Zotu842	Magnoliopsida	Asterales	Asteraceae	Achillea	millefolium	Forb	55	1	55.00
Zotu844	Magnoliopsida	Lamiales	Plantaginaceae	Veronica		Forb	40	5	8.00

Zotu846	Magnoliopsida	Asterales	Asteraceae	Leptorhynchos	squamatus	Forb	33	3	11.00
Zotu847	Magnoliopsida	Geraniales	Geraniaceae	Geranium	homeanum	Forb	51	1	51.00
Zotu849	Magnoliopsida	Rosales	Rosaceae	Rosa		Woody	76	1	76.00
Zotu850	Magnoliopsida	Ranunculales	Ranunculaceae	Ranunculus		Forb	22	3	7.33
Zotu851	Magnoliopsida	Myrtales	Myrtaceae	Baeckea		Woody	20	2	10.00
Zotu852	Magnoliopsida	Rosales	Rosaceae	Acaena	novae-zelandiae	Forb	44	7	6.29
Zotu857	Magnoliopsida	Proteales	Proteaceae	Orites	lancifolius	Woody	45	1	45.00
Zotu858	Magnoliopsida	Asterales	Campanulaceae	Wahlenbergia	multicaulis	Forb	89	2	44.50
Zotu860	Magnoliopsida	Canellales	Winteraceae	Tasmannia		Woody	74	2	37.00
Zotu861	Magnoliopsida	Poales	Poaceae	Anthosachne		Graminoid	37	5	7.40
Zotu862	Magnoliopsida	Saxifragales	Haloragaceae	Gonocarpus	montanus	Forb	30	2	15.00
Zotu863	Magnoliopsida	Asterales	Stylidiaceae	Stylidium	graminifolium	Forb	17	1	17.00
Zotu864	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	30	4	7.50
Zotu867	Magnoliopsida	Rosales	Rosaceae	Rubus		Woody	114	3	38.00
Zotu868	Magnoliopsida	Lamiales	Plantaginaceae	Veronica		Forb	26	4	6.50
Zotu870	Magnoliopsida	Caryophyllales	Polygonaceae	Acetosella	vulgaris	Forb	52	2	26.00
Zotu871	Magnoliopsida	Gentianales	Rubiaceae	Coprosma	hirtella	Woody	43	1	43.00
Zotu872	Magnoliopsida	Gentianales	Rubiaceae	Galium		Forb	32	5	6.40
Zotu882	Magnoliopsida	Asterales	Asteraceae	Senecio		Forb	179	5	35.80

Table S2. Analysis of similarity (ANOSIM) results testing whether plant species composition of faecal pellet samples is significantly different between two or more groups. Each pairwise comparison was performed using 9999 permutations. Abbreviations refer to Mt Nelse (MtN), Basalt Hill (Bas), January (Jan), February (Feb), March (Mar), Wetlands (Wet), Grasslands (Gra), and Snowpatch herbfields (Sno). P-values in bold highlight faecal pellet group sample comparisons that are significantly different.

	Comparison between Groups	R-Statistic	P-value
All samples	MtN vs Bas	0.242	0.011
	Jan vs Feb vs Mar	0.119	0.001
	Jan vs Feb	0.189	0.001
	Jan vs Mar	0.191	0.001
	Feb vs Mar	0.004	0.337
	Wet vs Gra vs Sno	0.009	0.294
Snowpatch samples	MtN vs Bas	0.331	0.001
	Jan vs Feb vs Mar	0.114	0.081
Grassland samples	MtN vs Bas	0.237	0.001
	Jan vs Feb vs Mar	0.046	0.144
Wetland samples	MtN vs Bas	0.212	0.011
	Jan vs Feb vs Mar	0.109	0.057
Mt Nelse samples	Jan vs Feb vs Mar	-0.015	0.636
	Wet vs Gra vs Sno	-0.015	0.619
Mt Nelse Snowpatch samples	Jan vs Feb vs Mar	0.192	0.133
Mt Nelse Grassland samples	Jan vs Feb vs Mar	-0.022	0.562
Mt Nelse Wetland samples	Jan vs Feb vs Mar	0.264	0.022
	Jan vs Feb	0.451	0.021
	Jan vs Mar	0.398	0.034
	Feb vs Mar	-0.034	0.512
Basalt Hill samples	Jan vs Feb vs Mar	0.249	0.001
	Jan vs Feb	0.309	0.001
	Jan vs Mar	0.345	0.001
	Feb vs Mar	0.152	0.013
	Wet vs Gra vs Sno	0.053	0.124
	Jan vs Feb vs Mar	0.233	0.079
Basalt Hill Snowpatch samples	Jan vs Feb vs Mar	0.259	0.012
	Jan vs Feb	0.287	0.026
Basalt Hill Grassland samples	Jan vs Mar	0.421	0.006
	Feb vs Mar	0.118	0.157
	Jan vs Feb vs Mar	0.194	0.092