

Table S1: *Sitta yunnanensis* and *Sitta nagaensis* Stable isotopes of food resources

Sample ID	Species	d13C (‰, PDB)	C content (%)	d15N (‰, Atm-N2)	N content (%)
1-1	Hemiptera	-26.84	53.87	3.80	9.23
1-2	Hemiptera	-27.21	51.30	0.27	9.75
1-3	Hemiptera	-25.10	47.57	6.05	9.70
1-4	Hemiptera	-20.92	50.47	2.67	9.90
1-5	Hemiptera	-26.75	51.51	3.19	9.99
1-6	Hemiptera	-23.29	52.72	-0.39	9.81
1-7	Hemiptera	-26.60	66.57	-2.52	4.53
2-1	Lepidoptera	-31.68	64.38	1.94	6.62
2-2	Lepidoptera	-36.21	58.85	4.26	8.48
2-3	Lepidoptera	-31.09	47.93	4.75	11.71
2-4	Lepidoptera	-25.16	47.60	2.57	11.03
2-5	Lepidoptera	-32.23	49.19	4.90	9.70
2-6	Lepidoptera	-32.58	69.49	6.73	3.94
2-7	Lepidoptera	-30.50	62.89	3.18	7.85
2-8	Lepidoptera	-30.37	48.47	2.40	10.94
2-9	Lepidoptera	-28.72	50.74	2.28	12.17
2-10	Lepidoptera	-29.26	53.57	4.97	10.68
2-11	Lepidoptera	-33.12	58.02	3.92	8.50
2-12	Lepidoptera	-23.59	49.54	-3.99	11.22
2-13	Lepidoptera	-24.42	48.34	-4.26	11.79
2-14	Lepidoptera	-30.06	48.23	-0.49	11.00
2-15	Lepidoptera	-26.35	50.06	4.21	12.51
2-16	Lepidoptera	-26.46	51.92	4.90	10.75
2-17	Lepidoptera	-29.44	56.39	-1.66	8.36

3-1	Hymenoptera	-25.26	49.22	2.63	11.92
3-2	Hymenoptera	-26.58	57.84	2.16	8.40
3-3	Hymenoptera	-25.80	52.32	0.74	8.57
3-4	Hymenoptera	-25.35	50.69	6.04	10.57
4-1	Coleoptera	-22.75	59.94	1.43	7.62
4-2	Coleoptera	-23.94	51.18	2.06	9.43
4-3	Coleoptera	-17.96	55.88	11.03	7.70
4-4	Coleoptera	-27.25	50.92	6.03	10.12
4-5	Coleoptera	-28.47	47.39	1.07	11.35
4-6	Coleoptera	-27.13	49.49	2.14	9.57
4-7	Coleoptera	-32.58	50.73	1.52	9.34
4-8	Coleoptera	-26.53	51.22	1.50	9.72
4-9	Coleoptera	-23.67	48.24	4.13	12.50
4-10	Coleoptera	-24.13	49.88	7.47	10.19
4-11	Coleoptera	-24.37	49.98	1.22	10.77
4-12	Coleoptera	-23.65	49.27	0.35	10.07
5-1	Diptera	-24.76	47.78	2.58	10.60
5-2	Diptera	-25.31	49.29	4.36	11.37
5-3	Diptera	-24.04	49.73	4.97	9.69
6-1	Orthoptera	-25.76	49.42	1.05	10.47
6-2	Orthoptera	-18.79	48.72	0.58	9.70
6-3	Orthoptera	-25.73	52.76	0.80	9.63
6-4	Orthoptera	-25.64	47.25	1.18	12.46

Table S2: Feather stable isotope data of *Sitta yunnanensis* and *Sitta nagaensis*

Sample ID	Species	Acquisition time	$\delta^{13}\text{C}$ (‰, PDB)	C content (%)	$\delta^{15}\text{N}$ (‰, Atm-N ₂)	N content (%)
1-1	<i>Sitta yunnanensis</i>	2018.12.25	-21.40	44.94	4.13	12.08
1-2	<i>Sitta yunnanensis</i>	2018.12.25	-20.29	45.07	4.69	12.56
1-3	<i>Sitta yunnanensis</i>	2018.12.25	-21.25	44.23	4.08	12.06
1-4	<i>Sitta yunnanensis</i>	2018.12.25	-21.74	45.15	5.58	13.04
1-5	<i>Sitta yunnanensis</i>	2018.12.25	-20.44	44.07	4.87	13.00
1-6	<i>Sitta yunnanensis</i>	2018.12.25	-20.98	44.76	4.84	12.79
1-7	<i>Sitta yunnanensis</i>	2018.12.28	-21.53	46.28	2.11	12.39
1-8	<i>Sitta yunnanensis</i>	2018.12.28	-21.36	44.74	2.33	12.29
2-1	<i>Sitta yunnanensis</i>	2019.05.01	-21.61	45.18	5.38	13.27
2-2	<i>Sitta yunnanensis</i>	2019.05.01	-21.09	44.87	5.43	13.54
2-3	<i>Sitta yunnanensis</i>	2019.05.01	-19.84	44.48	2.91	12.61
2-4	<i>Sitta yunnanensis</i>	2019.05.01	-21.40	44.20	2.01	12.50
2-5	<i>Sitta yunnanensis</i>	2019.05.01	-20.17	46.10	3.35	12.55
2-6	<i>Sitta yunnanensis</i>	2019.05.01	-20.34	45.66	3.45	13.25
2-7	<i>Sitta yunnanensis</i>	2019.05.01	-20.17	45.18	3.18	12.09
2-8	<i>Sitta yunnanensis</i>	2019.05.01	-20.05	46.05	3.08	12.32
2-9	<i>Sitta yunnanensis</i>	2019.05.02	-20.38	45.02	3.43	12.14
2-10	<i>Sitta yunnanensis</i>	2019.05.02	-19.78	45.31	3.16	12.19
2-11	<i>Sitta yunnanensis</i>	2019.05.02	-21.06	45.56	3.44	12.86
2-12	<i>Sitta yunnanensis</i>	2019.05.02	-21.51	44.67	3.62	12.72
2-13	<i>Sitta yunnanensis</i>	2019.05.02	-22.68	44.56	3.18	12.55
2-14	<i>Sitta yunnanensis</i>	2019.05.02	-21.92	43.38	2.65	12.51
3-1	<i>Sitta nagaensis</i>	2018.12.24	-23.41	45.77	3.29	12.57
3-2	<i>Sitta nagaensis</i>	2018.12.24	-23.49	46.00	3.78	13.16

3-3	<i>Sitta nagaensis</i>	2018.12.24	-23.21	45.91	2.86	12.49
3-4	<i>Sitta nagaensis</i>	2018.12.24	-21.59	46.69	4.30	13.54
4-1	<i>Sitta nagaensis</i>	2019.05.01	-22.32	45.50	4.17	12.68
4-2	<i>Sitta nagaensis</i>	2019.05.01	-21.89	45.17	4.58	13.24
4-3	<i>Sitta nagaensis</i>	2019.05.02	-23.11	45.30	3.59	12.46
4-4	<i>Sitta nagaensis</i>	2019.05.02	-24.10	45.05	3.07	13.04
5-1	<i>Sitta nagaensis</i> (baby)	2019.05.13	-23.55	45.19	3.34	12.81
5-2	<i>Sitta nagaensis</i> (baby)	2019.05.13	-23.68	46.11	3.21	13.56
5-3	<i>Sitta nagaensis</i> (baby)	2019.05.13	-23.85	49.80	3.23	13.62
5-4	<i>Sitta nagaensis</i> (baby)	2019.05.13	-23.93	48.31	3.26	13.48
5-5	<i>Sitta nagaensis</i> (baby)	2019.05.13	-23.96	47.48	2.90	13.90