Table SI1 Amino acid contents in UDOM samples (nmol mg^{-1}) and $fac.coef_i$, $AVGvar_i$,and $STDvar_i$ values used for calculating degradation index (DI)

Site (season)	Asp	Glu	Thr	Ser	Gly	Ala	Cys	Val	Met	Ile	Leu	Tyr	Phe	Pro	Lys	His	Arg
Bakong (wet '08)	11.00	7.24	7.07	7.01	17.24	8.08	0.45	4.98	0 .37	2.50	3.26	1.30	1.55	6.29	3.69	2.01	1.10
Bakong (dry '08)	10.94	8.24	7.69	6.95	16.57	8.94	2.02	5.97	0.75	3.11	4.35	1.90	2.18	5.95	2.96	2.18	1.54
Leban (wet '08)	12.79	8.73	7.65	7.70	19.61	8.66	0.62	5.56	0.40	2.71	3.42	1.23	1.68	7.62	4.46	2.46	1.46
Leban (dry' 08)	9.42	7.11	5.86	5.51	15.24	6.80	1.83	4.35	0.31	2.11	2.87	1.14	1.35	5.43	2.57	1.71	1.10
Taylor (wet '07)	31.59	20.89	22.96	17.35	45.51	28.32	4.84	16.36	2.13	8.16	12.38	4.17	6.87	11.88	4.01	1.33	4.49
Taylor (dry '08)	55.15	35.07	55.62	44.82	64.78	57.52	2.45	30.76	3.88	14.83	23.16	9.67	10.73	25.65	13.26	3.25	7.25
Shark (wet '07)	29.94	21.44	18.46	15.07	45.79	25.12	4.78	13.35	1.95	6.25	9.35	3.16	4.80	10.45	6.12	1.08	3.14
Shark (dry '08)	20.22	12.75	11.38	10.04	38.20	18.25	1.19	9.38	1.30	3.55	4.93	1.66	2.14	6.25	5.00	0.67	1.46
Dei (autumn '07)	23.86	12.44	24.40	18.19	37.49	33.93	1.03	14.84	1.78	7.11	10.66	4.08	5.27	10.71	4.79	1.75	2.55
Dei (summer '08)	15.30	8.39	12.75	10.41	27.26	18.16	0.81	8.14	1.01	3.74	5.31	2.03	2.64	6.90	2.98	1.07	1.29
Dei (spring '09)	20.35	13.14	16.56	13.79	28.89	17.37	3.28	9.84	1.16	5.01	7.25	2.55	3.73	9.05	3.25	1.90	1.68
Kimonto (autumn '07)	18.67	10.72	15.41	12.40	30.94	21.19	0.83	10.54	1.45	5.23	7.45	2.82	3.73	8.22	4.11	1.52	2.29
Kimonto (summer '08)	16.75	9.28	10.94	9.36	28.83	14.28	1.08	7.62	0.79	3.58	4.79	1.83	2.37	6.87	3.82	1.56	1.58
Kimonto (spring '09)	13.37	8.25	10.11	7.99	23.46	13.08	3.14	6.60	1.03	3.13	4.36	1.64	2.04	4.92	1.93	1.51	1.31
Chirai (autumn '07)	22.25	17.26	17.16	12.96	31.33	22.52	3.58	12.31	1.09	6.64	9.72	3.81	4.68	9.28	6.40	2.85	4.05
Chirai (summer '08a)	14.25	9.53	7.85	6.74	23.70	11.10	3.42	6.35	0.96	3.05	3.99	1.64	1.95	5.63	3.73	1.79	1.53
Chirai (summer '08b)	13.72	9.37	8.89	7.10	23.43	13.13	3.10	6.76	0.88	3.12	4.47	1.79	2.07	5.33	3.78	1.75	1.57
Chirai (spring '09)	27.86	19.13	18.62	17.47	34.90	20.56	5.08	12.78	1.69	6.58	9.16	3.23	4.47	12.05	7.29	3.45	3.43
$fac.coef_i$ for DI*	-0.247	-0.444	0.028	0.145	0.187	-0.110	-	0.250	-0.076	0.197	0.016	0.003	0.242	-	-	-0.103	0.059
$AVGvar_i$ for DI*	13.4	10.0	7.1	7.2	17.6	11.8	-	7.6	1.2	4.5	6.6	2.1	3.7	-	-	1.0	6.1
$STDvar_i$ for DI*	2.7	2.3	1.5	1.9	3.8	0.8	-	1.1	1.0	0.8	1.5	1.2	1.2	-	-	0.8	2.3

*Cited from Dauwe et al. (1999). -, Not used for calculating DI.