LABELS

2d	2 days
4d	4 days
7d	7 days
14d	14 days
1	20°C
2	25°C
3	30°C
A	Haynesina germanica
B	Ammonia tepida

Background	d 15N/14N	AT% 15N/14N	d 13C/12C	AT% 13C/12C	µg N	µg C
Haynesina	12.582	0.371	-13.559	1.091	4.200	21.280
Ammonia	13.384	0.371	-13.946	1.090	7.040	29.410
Dunaliella	16.219	0.372	-18.302	1.086	16.102	108.577
Dunaliella gelabelt	213298.303	44.067	30267.746	25.895	3.394	20.621
Dunaliella excess		43.694		24.809		

Sample	Nr/Ind	[mg]	d 15N/14N	AT% 15N/14N	d 13C/12C	AT% 13C/12C	µg N	µg C
2d1A 1	60	0.756	1000.814	0.750	213.606	1.339	3.947	18.927
2d1A 2	60	0.781	1173.972	0.816	275.725	1.406	3.988	19.687
2d1A 3	60	0.782	1087.006	0.783	255.116	1.384	3.886	17.832
2d2A 1	60	0.764	662.588	0.619	90.085	1.204	4.493	21.734
2d2A 2	60	0.807	856.361	0.692	128.227	1.246	4.610	23.608
2d2A 3	60	0.788	833.492	0.682	134.713	1.253	5.075	23.354
2d3A 1	60	0.813	919.805	0.714	120.208	1.237	5.506	25.591
2d3A 2	60	0.857	855.848	0.689	119.409	1.236	5.923	26.739
2d3A 3	60	0.805	860.459	0.693	108.956	1.225	4.946	24.154
4d1A 1	60	0.848	1340.026	0.877	238.950	1.366	4.424	22.032
4d1A 2	60	0.863	1594.931	0.972	305.002	1.438	4.643	22.662
4d1A 3	60	0.836	1421.481	0.905	306.979	1.440	4.969	19.962
4d2A 1	60	0.912	1150.715	0.802	133.322	1.251	5.196	24.930
4d2A 2	60	0.907	853.410	0.690	108.051	1.224	5.239	21.106
4d2A 3	60	0.895	1036.334	0.761	119.544	1.236	4.515	19.653
4d3A 1	60	0.835	759.148	0.655	90.264	1.204	4.920	18.413
4d3A 2	60	0.869	740.376	0.646	83.114	1.196	5.676	17.910
4d3A 3	60	0.872	877.271	0.699	77.970	1.191	4.897	19.885
7d1A 1	60	0.807	1922.551	1.096	243.137	1.371	4.448	21.730
7d1A 2	34	0.881	1387.176	0.894	204.765	1.329	4.146	16.494
7d1A 3	60	0.959	1833.909	1.059	242.004	1.370	5.089	24.656
7d2A 1	60	0.966	1201.706	0.820	97.767	1.212	5.400	22.302
7d2A 2	60	0.917	1496.588	0.933	165.414	1.286	4.882	21.196
7d2A 3	60	1.021	1462.797	0.918	101.349	1.216	5.419	24.629
7d3A 1	60	0.801	1290.968	0.853	101.206	1.216	5.507	22.955
7d3A 2	60	0.778	1640.647	0.991	98.998	1.214	4.362	21.246
7d3A 3	60	0.727	1798.322	1.052	88.309	1.202	4.157	20.699
14d1A 1	60	0.816	2229.201	1.214	197.855	1.322	4.186	20.573
14d1A 2	60	0.841	2603.365	1.349	193.257	1.317	4.868	24.820
14d1A 3	60	0.799	2615.028	1.361	234.561	1.361	4.077	20.866
14d2A 1	60	0.853	2501.750	1.315	77.810	1.191	4.432	20.585

14d2A 2	60	0.832	2010.575	1.125	95.999	1.211	5.188	19.622
14d2A 3	60	0.796	2371.836	1.272	102.330	1.217	3.887	17.669
14d3A 1	60	0.907	2530.373	1.315	91.387	1.205	5.699	26.080
14d3A 2	60	0.852	2618.391	1.349	113.097	1.229	5.589	23.808
14d3A 3	60	0.836	2712.978	1.389	75.371	1.188	4.880	22.911
2d1B 1	50	1.044	7032.847	2.869	1990.677	3.235	6.101	29.382
2d1B 2	50	1.073	8857.513	3.499	1463.140	2.680	5.679	34.935
2d1B 3	50	1.116	5940.778	2.489	1771.515	3.005	6.577	32.891
2d2B 1	50	0.967	4882.138	2.118	882.695	2.061	6.758	37.047
2d2B 2	50	0.919	4623.539	2.027	1263.129	2.468	5.584	28.132
2d2B 3	50	0.952	7769.387	3.125	1661.800	2.890	7.877	42.808
2d3B 1	50	0.998	4531.795	1.994	833.577	2.009	7.651	38.976
2d3B 2	50	1.026	3756.923	1.720	542.473	1.695	7.371	52.077
2d3B 3	50	0.915	4037.544	1.819	743.765	1.912	5.784	30.199
4d1B 1	31	0.789	8487.677	3.3721	1829.566	3.0665	3.245	15.580
4d1B 2	50	0.871	9684.740	3.781	1835.426	3.073	5.257	26.079
4d1B 3	50	0.923	7000.664	2.859	1151.207	2.349	6.979	37.033
4d2B 1	50	0.953	13224.130	4.972	2001.578	3.247	6.470	31.724
4d2B 2	50	0.997	8653.585	3.429	1200.409	2.401	7.625	37.708
4d2B 3	50	0.993	14831.424	5.503	2667.147	3.938	7.174	36.359
4d3B 1	50	0.903	10776.169	4.152	1359.775	2.570	6.651	35.823
4d3B 2	50	1.014	8847.320	3.495	895.745	2.075	7.128	44.239
4d3B 3	50	1.007	9759.324	3.807	1228.174	2.431	6.696	36.895
7d1B 1	49	0.904	11595.655	4.428	1247.350	2.451	5.723	34.129
7d1B 2	50	0.746	14796.889	5.491	1937.957	3.180	6.745	34.741
7d1B 3	43	0.821	12165.350	4.619	1630.926	2.857	4.251	20.357
7d2B 1	50	0.998	13276.531	4.989	1201.331	2.402	7.702	41.773
7d2B 2	50	0.943	19883.333	7.133	2094.919	3.344	7.214	38.608
7d2B 3	50	0.839	22176.790	7.855	2582.247	3.851	6.907	41.649
7d3B 1	50	0.990	13170.479	4.954	1328.475	2.537	6.687	33.193
7d3B 2	50	0.956	13682.625	5.124	1473.919	2.691	6.991	35.341
7d3B 3	50	0.980	13940.009	5.209	1575.971	2.799	7.018	34.663
14d1B 1	60	1.281	17149.893	6.258	1525.597	2.746	7.426	37.202
14d1B 2	62	1.277	19784.657	7.102	2071.612	3.320	7.934	37.911
14d1B 3	23	0.756	13755.670	5.148	2738.470	4.012	3.962	12.164
14d2B 1	42	0.839	31382.115	10.643	4127.591	5.422	4.669	18.576
14d2B 2	40	0.903	28696.706	9.847	4570.168	5.862	4.136	14.641
14d2B 3	41	0.825	24059.965	8.440	2664.113	3.935	5.193	23.956
14d3B 1	43	0.893	13886.771	5.191	1044.915	2.235	5.061	23.776
14d3B 2	45	0.961	20923.582	7.462	2445.279	3.709	6.181	24.229
14d3B 3	47	0.941	16462.557	6.0354	1453.127	2.669	5.419	24.920

uptake rates

Sample	C Rates [	N Rates [ng N mg-1- h-1]
2d1A 1	4.992	0.9358
2d1A 2	6.3962	1.074
2d1A 3	5.3753	0.9687
2d2A 1	2.5915	0.6899

2d2A 2	3.6442	0.8679
2d2A 3	3.8605	0.9481
2d3A 1	3.6997	1.0977
2d3A 2	3.6453	1.0388
2d3A 3	3.2304	0.935
4d1A 1	2.8785	0.6234
4d1A 2	3.6677	0.7638
4d1A 3	3.3556	0.7495
4d2A 1	1.7637	0.58
4d2A 2	1.2434	0.4348
4d2A 3	1.284	0.465
4d3A 1	1.0061	0.3951
4d3A 2	0.8757	0.4245
4d3A 3	0.9174	0.436
7d1A 1	1.7329	0.5401
7d1A 2	1.0252	0.3322
7d1A 3	1.6473	0.4931
7d2A 1	0.6454	0.3392
7d2A 2	1.038	0.4043
7d2A 3	0.696	0.3922
7d3A 1	0.8258	0.4479
7d3A 2	0.7718	0.4693
7d3A 3	0.7284	0.5259
14d1A 1	0.6685	0.2922
14d1A 2	0.7655	0.3821
14d1A 3	0.8123	0.3412
14d2A 1	0.2769	0.3311
14d2A 2	0.3244	0.3173
14d2A 3	0.323	0.297
14d3A 1	0.3789	0.4007
14d3A 2	0.4443	0.4331
14d3A 3	0.3061	0.4014
2d1B 1	48.557	6.9021
2d1B 2	41.639	7.8262
2d1B 3	45.409	5.9024
2d2B 1	29.931	5.7712
2d2B 2	33.922	4.7556
2d2B 3	65.101	10.772
2d3B 1	28.856	5.8825
2d3B 2	24.7	4.5804
2d3B 3	21.823	4.3274
4d1B 1	15.696	2.9176
4d1B 2	23.875	4.8658
4d1B 3	20.307	4.4462
4d2B 1	28.877	7.3829
4d2B 2	19.94	5.5285
4d2B 3	41.95	8.7637
4d3B 1	23.619	6.5821
4d3B 2	17.288	5.1919
4d3B 3	19.752	5.4008

7d1B 1	11.807	3.4689
7d1B 2	22.371	6.2531
7d1B 3	10.071	2.9707
7d2B 1	12.619	4.814
7d2B 2	21.213	6.9875
7d2B 3	31.498	8.3227
7d3B 1	11.15	4.1816
7d3B 2	13.605	4.6948
7d3B 3	13.895	4.6799
14d1B 1	5.5265	2.3049
14d1B 2	7.6078	2.8243
14d1B 3	5.4025	1.6908
14d2B 1	11.022	3.8609
14d2B 2	8.8929	2.9314
14d2B 3	9.4947	3.4303
14d3B 1	3.503	1.8449
14d3B 2	7.5881	3.0803
14d3B 3	4.8061	2.2032

DIC

Sample ID	delta_13	atomp_13C	Sample ID	O2 [mg L-1]
2d1A	1922.7	3.1642	2d1A	5.05
2d1A	1742.6	2.975	2d1A	4.61
2d1A	1870.6	3.1095	2d1A	5.22
2d2A	2266.1	3.5229	2d2A	5.16
2d2A	2173.5	3.4264	2d2A	5.14
2d2A	2120	3.3706	2d2A	5.39
2d3A	2148.2	3.4001	2d3A	6.21
2d3A	2280.2	3.5376	2d3A	6.51
2d3A	1477.4	2.6952	2d3A	**7.7**