

Supplementary Materials

10.1071/CP16311_AC © CSIRO 2017

Supplementary Material: *Crop & Pasture Science*, 2017, 68(1), 92–99.

Physiology of salinity tolerance in *Bromus danthoniae* genotypes originated from saline and non-saline areas of West Iran

Masoumeh Rezaei^A, Ahmad Arzani^{A,B}, Ghodratollah Saeidi^A and Mostafa Karami^A

^ADepartment of Agronomy and Plant Breeding, College of Agriculture, Isfahan University of Technology, Isfahan 84156-83111, Iran.

^BCorresponding author. Email: a_arzani@cc.iut.ac.ir

Supplementary Table S1. Origin of 80 *Bromus danthoniae* genotypes used in this study including collection site, latitude, longitude, and altitude

No.	Collection site	Genotype code	Latitude (E)	Longitude (N)	Altitude (m)
1	Uremia Salt Lake (new shore)	USL-N1	37° 11' 56.7"	45° 21' 72.3"	1292
2	Uremia Salt Lake (new shore)	USL-N2	37° 11' 56.7"	45° 21' 72.3"	1292
3	Uremia Salt Lake (new shore)	USL-N3	37° 11' 56.7"	45° 21' 72.3"	1292
4	Uremia Salt Lake (new shore)	USL-N4	37° 11' 56.7"	45° 21' 72.3"	1292
5	Uremia Salt Lake (new shore)	USL-N5	37° 11' 56.7"	45° 21' 72.3"	1292
6	Uremia Salt Lake (new shore)	USL-N6	37° 11' 56.7"	45° 21' 72.3"	1292
7	Uremia Salt Lake (new shore)	USL-N7	37° 05' 76"	45° 28' 96.2"	1305
8	Uremia Salt Lake (new shore)	USL-N8	37° 05' 76"	45° 28' 96.2"	1305
9	Uremia Salt Lake (new shore)	USL-N9	37° 05' 76"	45° 28' 96.2"	1305
10	Uremia Salt Lake (new shore)	USL-N10	37° 05' 76"	45° 28' 96.2"	1305
11	Uremia Salt Lake (new shore)	USL-N11	37° 05' 76"	45° 28' 96.2"	1305
12	Uremia Salt Lake (new shore)	USL-N12	37° 05' 76"	45° 28' 96.2"	1305
13	Uremia Salt Lake (new shore)	USL-N13	37° 05' 76"	45° 28' 96.2"	1305
14	Uremia Salt Lake (new shore)	USL-N14	37° 05' 76"	45° 28' 96.2"	1305
15	Uremia Salt Lake (new shore)	USL-N15	37° 21' 10.6"	45° 17' 10.7"	1295
16	Uremia Salt Lake (new shore)	USL-N16	37° 21' 10.6"	45° 17' 10.7"	1295
17	Uremia Salt Lake (new shore)	USL-N17	37° 21' 10.6"	45° 17' 10.7"	1295
18	Uremia Salt Lake (new shore)	USL-N18	37° 21' 10.6"	45° 17' 10.7"	1295
19	Uremia Salt Lake (new shore)	USL-N19	37° 21' 10.6"	45° 17' 10.7"	1295
20	Uremia Salt Lake (new shore)	USL-N20	37° 21' 10.6"	45° 17' 10.7"	1295
21	Uremia Salt Lake (new shore)	USL-N21	37° 21' 10.6"	45° 17' 10.7"	1295
22	Uremia Salt Lake (new shore)	USL-N22	37° 21' 10.6"	45° 17' 10.7"	1295
23	Uremia Salt Lake (new shore)	USL-N23	37° 21' 10.6"	45° 17' 10.7"	1295
24	Uremia Salt Lake (new shore)	USL-N24	37° 21' 10.6"	45° 17' 10.7"	1295
25	Uremia Salt Lake	USL1	36° 48' 13"	45° 45' 00.5"	1334
26	Uremia Salt Lake	USL2	36° 48' 13"	45° 45' 00.5"	1334
27	Uremia Salt Lake	USL3	36° 48' 13"	45° 45' 00.5"	1334
28	Uremia Salt Lake	USL4	36° 48' 13"	45° 45' 00.5"	1334
29	Uremia Salt Lake	USL5	36° 48' 13"	45° 45' 00.5"	1334
30	Uremia Salt Lake	USL6	36° 48' 13"	45° 45' 00.5"	1334
31	Uremia Salt Lake	USL7	36° 48' 13"	45° 45' 00.5"	1334
32	Uremia Salt Lake	USL8	37° 11' 36.2"	45° 21' 38.5"	1278
33	Uremia Salt Lake	USL9	37° 11' 36.2"	45° 21' 38.5"	1278
34	Uremia Salt Lake	USL10	37° 11' 36.2"	45° 21' 38.5"	1278
35	Uremia Salt Lake	USL11	37° 11' 36.2"	45° 21' 38.5"	1278
36	Uremia Salt Lake	USL12	37° 11' 36.2"	45° 21' 38.5"	1278
37	Uremia Salt Lake	USL13	37° 11' 36.2"	45° 21' 38.5"	1278
38	Uremia Salt Lake	USL14	37° 11' 36.2"	45° 21' 38.5"	1278
39	Uremia Salt Lake	USL15	37° 11' 36.2"	45° 21' 38.5"	1278
40	Uremia Salt Lake	USL16	37° 11' 36.2"	45° 21' 38.5"	1278
41	Uremia Salt Lake	USL17	37° 11' 36.2"	45° 21' 38.5"	1278
42	Uremia Salt Lake	USL18	37° 11' 36.2"	45° 21' 38.5"	1278
43	Uremia Salt Lake	USL19	37° 11' 36.2"	45° 21' 38.5"	1278
44	Uremia Salt Lake	USL20	36° 46' 20.5"	45° 50' 02.5"	17.37
45	Uremia Salt Lake	USL21	36° 46' 20.5"	45° 50' 02.5"	17.37
46	Uremia Salt Lake	USL22	36° 46' 20.5"	45° 50' 02.5"	17.37
47	Uremia Salt Lake	USL23	36° 46' 20.5"	45° 50' 02.5"	17.37
48	Uremia Salt Lake	USL24	36° 46' 20.5"	45° 50' 02.5"	17.37

49	Uremia Salt Lake	USL25	36° 46' 20.5"	45° 50' 02.5"	17.37
50	Sanandag, Kurdistan	KUR1	35° 23' 50.2"	46° 49' 09.8"	1856
51	Sanandag, Kurdistan	KUR2	35° 23' 50.2"	46° 49' 09.8"	1856
52	Sanandag, Kurdistan	KUR3	35° 23' 50.2"	46° 49' 09.8"	1856
53	Sanandag, Kurdistan	KUR4	35° 23' 50.2"	46° 49' 09.8"	1856
54	Sanandag, Kurdistan	KUR5	35° 23' 50.2"	46° 49' 09.8"	1856
55	Kamyaran, Kurdistan	KUR6	34° 59' 43.4"	46° 57' 86.3"	1381
56	Kamyaran, Kurdistan	KUR7	34° 59' 43.4"	46° 57' 86.3"	1381
57	Kamyaran, Kurdistan	KUR8	34° 59' 43.4"	46° 57' 86.3"	1381
58	Kamyaran, Kurdistan	KUR9	34° 59' 43.4"	46° 57' 86.3"	1381
59	Kamyaran, Kurdistan	KUR10	34° 59' 43.4"	46° 57' 86.3"	1381
60	Marivan, Kurdistan	KUR11	35° 36' 87.9"	46° 01' 75.6"	1302
61	Kermanshah, Kermanshah	KER1	33° 50' 07.6"	46° 43' 74"	1245
62	Kermanshah, Kermanshah	KER2	33° 50' 07.6"	46° 43' 74"	1245
63	Kermanshah, Kermanshah	KER3	33° 50' 07.6"	46° 43' 74"	1245
64	Kermanshah, Kermanshah	KER4	33° 50' 07.6"	46° 43' 74"	1245
65	Kermanshah, Kermanshah	KER5	33° 50' 07.6"	46° 43' 74"	1245
66	Ilam, Ilam	IL1	33° 39' 94.7"	46° 28' 06"	1926
67	Ilam, Ilam	IL2	33° 39' 94.7"	46° 28' 06"	1926
68	Ilam, Ilam	IL3	33° 39' 94.7"	46° 28' 06"	1926
69	Ilam, Ilam	IL4	33° 39' 94.7"	46° 28' 06"	1926
70	Ilam, Ilam	IL5	33° 39' 94.7"	46° 28' 06"	1926
71	Nargessi, Ilam	IL6	33° 51' 61.3"	46° 15' 56.4"	1113
72	Nargessi, Ilam	IL7	33° 51' 61.3"	46° 15' 56.4"	1113
73	Nargessi, Ilam	IL8	33° 51' 61.3"	46° 15' 56.4"	1113
74	Nargessi, Ilam	IL9	33° 51' 61.3"	46° 15' 56.4"	1113
75	Nargessi, Ilam	IL10	33° 51' 61.3"	46° 15' 56.4"	1113
76	Nargessi, Ilam	IL11	33° 51' 61.3"	46° 15' 56.4"	1113
77	Nargessi, Ilam	IL12	33° 51' 61.3"	46° 15' 56.4"	1113
78	Nargessi, Ilam	IL13	33° 51' 61.3"	46° 15' 56.4"	1113
79	Nargessi, Ilam	IL14	33° 51' 61.3"	46° 15' 56.4"	1113
80	Nargessi, Ilam	IL15	33° 51' 61.3"	46° 15' 56.4"	1113

Supplementary Table S2. Mean values of plant fresh weight (FW), dry weight (DW), relative water content (RWC), Na⁺, K⁺ and Ca²⁺ concentration, K⁺/Na⁺ and Ca²⁺/Na⁺ ratio, electrolyte leakage (EL), MDA and H₂O₂ content, excised leaf water loss (ELWL) and plant height (PH) measured in 80 *Bromus danthoniae* genotypes at control (0 mM NaCl) and 350 mM NaCl

The details of genotypes (G) can be found in Supplementary Table S1

Control (0 mM NaCl)													
G no.	FW (g)	DW (g)	RWC (%)	Na (*)	K (*)	Ca (*)	K/Na	Ca/Na	EL (%)	MDA (**)	H ₂ O ₂ (***)	ELWL (%)	PH (cm)
1	1.34	0.16	94.47	1.47	6.35	0.55	4.39	0.38	2.84	3.13	0.31	51.65	32.5
2	0.84	0.12	86.5	1.2	7.15	0.51	5.93	0.43	3	4.63	0.31	38.4	31.5
3	0.83	0.12	89.01	0.95	7.81	0.63	8.31	0.67	1.33	6.39	0.31	39.94	30
4	0.85	0.11	94.54	1.34	5.4	0.45	4.06	0.34	2.48	7.47	0.3	43.44	34.5
5	0.86	0.11	93.07	1.43	3.72	0.4	2.59	0.28	1.24	4.6	0.31	51.63	33.5
6	1.76	0.21	94.9	0.7	4.75	0.37	6.9	0.55	1.12	2.85	0.3	45.48	37
7	0.99	0.12	96.56	1.13	8.26	0.37	7.37	0.34	4.56	3.88	0.31	47.92	30.5
8	1.08	0.15	97.68	1.35	7.82	0.44	5.8	0.33	1.22	5.66	0.31	44.23	31
9	0.74	0.1	95.61	1.34	7.78	0.4	5.89	0.3	2.91	3.88	0.31	48.22	33
10	1.15	0.16	87.51	1.46	7.77	0.44	5.31	0.3	2.33	4.91	0.3	42.79	30
11	1.06	0.13	91.35	1.31	6.46	0.53	5.08	0.41	3.98	6.65	0.3	48.92	29
12	1.22	0.18	89.96	1.33	6.35	0.36	4.93	0.28	2.85	4.17	0.3	42.73	31.5
13	1.05	0.14	95.78	1.13	8.45	0.45	7.57	0.41	1.16	5.04	0.3	42.9	35
14	1	0.13	91.29	1.67	7.22	0.51	4.33	0.3	2.14	4.38	0.3	39.69	32
15	1.01	0.15	94.81	1.25	7.69	0.4	6.24	0.32	2.12	5.73	0.32	41.42	35
16	1.07	0.15	97.76	1.68	7.8	0.47	4.69	0.28	3.04	6.47	0.31	44.12	35.5
17	1.35	0.17	90.57	0.91	9.14	0.53	10.11	0.58	1.73	2.38	0.31	40.55	32
18	0.7	0.11	91.18	1.02	7.47	0.7	7.38	0.7	1.8	2.46	0.31	44.54	28.5
19	0.91	0.13	94.74	1.2	7.95	0.5	6.68	0.42	3.38	3.23	0.31	44.94	34.5
20	1.05	0.14	90.17	1.39	7.17	0.48	5.19	0.35	1.22	13.28	0.3	44.4	29.5

21	1.2	0.16	95.91	1.35	6.77	0.57	5.26	0.44	3.63	4.07	0.31	48.95	33
22	0.84	0.12	86.76	1	8.79	0.42	8.99	0.44	1.32	6.58	0.31	43.27	29.5
23	1.3	0.16	92	1.94	6.91	0.54	3.57	0.28	6.6	4.89	0.31	34.51	36
24	0.67	0.13	93.37	1.52	10.29	0.63	7.06	0.4	1.48	2.66	0.31	36.33	33.5
25	1.32	0.17	90.98	0.83	8.06	0.37	10.04	0.45	2.08	3.4	0.31	37.92	32
26	0.98	0.12	89.81	1.6	5.67	0.36	3.58	0.22	1.55	3.81	0.31	46.3	32.5
27	1.09	0.15	95.75	1.05	6.89	0.49	6.59	0.47	1.92	5.84	0.33	38.88	28.5
28	1.33	0.21	86.7	1.07	8.17	0.45	7.69	0.41	2.35	3.93	0.31	40.32	29
29	0.83	0.12	86.04	1.07	6.45	0.44	6.11	0.43	3.04	6.3	0.32	42.46	28
30	0.87	0.12	91.28	1.71	4.48	0.48	2.7	0.3	1.31	6.23	0.41	42.44	28
31	0.91	0.11	91.51	1.09	7.94	0.46	7.34	0.42	2.46	3.62	0.31	40.96	26.5
32	0.95	0.13	93.54	1.16	8.09	0.41	7.01	0.36	2.35	7.99	0.3	43.35	30.5
33	0.94	0.13	90.7	0.88	5.68	0.32	6.64	0.37	1.97	5.71	0.31	38.95	27
34	1	0.14	89.8	0.82	6.21	0.48	7.66	0.58	2.62	7.68	0.31	40.64	30.5
35	1.28	0.18	95.05	0.87	9.69	0.34	11.16	0.4	3.84	4.07	0.3	42.26	31.5
36	1.32	0.18	92.19	1.02	8.74	0.43	8.81	0.42	1.99	4.72	0.3	42.53	36
37	1.08	0.14	90.33	1.79	9.93	0.46	5.53	0.26	1.33	3.67	0.31	47.66	36.5
38	0.81	0.11	93.27	1.07	7.76	0.75	7.34	0.71	1.39	4.94	0.32	43.54	31
39	1.14	0.17	92.06	0.85	9.83	0.48	11.71	0.57	1.07	4.41	0.31	52.86	36
40	0.78	0.11	90.63	1.32	6.29	0.62	4.76	0.47	1.93	4.5	0.3	42.94	30.5
41	0.76	0.09	94.84	0.97	9.1	0.82	9.57	0.85	1.24	4.87	0.3	44.11	35.5
42	0.85	0.1	93.36	1.76	9.24	0.48	5.29	0.27	1.02	4.63	0.3	37.27	32.5
43	0.87	0.12	97.2	0.91	7.06	0.4	7.88	0.45	2.51	5.31	0.31	42.93	37.5
44	1.01	0.13	95.89	1.3	8.35	0.38	6.6	0.31	3.08	6.07	0.42	49.43	32
45	0.86	0.1	91.56	1.38	8.57	0.52	6.33	0.38	2.9	4.74	0.37	44.15	28
46	0.85	0.12	90.93	1.89	6.52	0.44	3.56	0.23	3.27	4.9	0.3	47.18	29.5
47	0.95	0.13	94.32	0.86	7.23	0.38	8.59	0.47	2.13	3.96	0.31	47.15	34.5
48	0.95	0.11	93.38	1.19	7.69	0.38	6.44	0.32	1.27	5.21	0.3	42.13	26
49	1.04	0.13	94.12	1.12	8.24	0.38	7.49	0.34	1.02	5.43	0.3	48.77	31
50	0.7	0.09	96.14	1.24	5.13	0.63	4.2	0.5	2.66	6.11	0.32	49.22	33
51	1.13	0.18	92.96	0.69	8.59	0.33	12.78	0.49	2.04	5.03	0.3	55.2	31

52	1.15	0.13	87.86	1.12	6.44	0.53	5.88	0.48	1.91	5.64	0.31	48.14	29.5
53	0.93	0.12	96.77	1.27	7.76	0.41	6.21	0.32	1.24	4.52	0.31	50.14	34.5
54	1.05	0.14	93.82	1.09	6.68	0.43	6.25	0.4	2.77	3.52	0.3	50	30
55	0.72	0.1	90.68	1.72	7.7	0.57	4.51	0.34	1.98	3.28	0.3	44.26	28.5
56	0.72	0.09	95.12	1.33	6.27	0.51	4.79	0.39	3.32	6.62	0.31	50.43	28.5
57	0.74	0.09	92.78	1.2	6.93	0.51	5.83	0.43	1.22	2.9	0.3	53.24	28.5
58	0.57	0.07	81.93	1	7.25	0.46	7.25	0.46	2.96	6.92	0.31	44.71	30
59	0.66	0.08	91.91	1.33	7.43	0.6	5.6	0.45	2.2	4.72	0.31	33.36	28.5
60	0.79	0.1	91.32	1.09	6.9	0.4	6.4	0.38	1.19	4.8	0.3	42.78	38.5
61	0.86	0.11	90.75	1.63	6.63	0.52	4.17	0.33	2.89	4.27	0.31	46.66	31.5
62	0.63	0.07	93.73	1.39	5.16	0.7	3.73	0.5	2.7	2.45	0.3	55.53	30.5
63	0.67	0.08	93.14	1.09	5.06	0.5	4.67	0.47	1.19	3.79	0.31	45.79	25.5
64	0.71	0.08	92.42	1.47	6.99	0.54	4.78	0.37	2.19	2.63	0.31	51.57	27.5
65	0.4	0.06	94.69	1.32	10.24	1.14	7.87	0.86	1.29	4.41	0.31	51.86	27.5
66	0.52	0.07	94.39	1.74	7.85	0.61	4.64	0.36	1.04	2.57	0.3	45.48	30.5
67	1.27	0.18	92.74	1.07	7.2	0.51	6.79	0.49	2.45	5.19	0.3	41.74	29.5
68	1.19	0.17	90.78	1.45	5.94	0.4	4.17	0.29	1.73	1.8	0.31	30.14	30
69	0.76	0.11	91.91	1.06	6.5	0.68	6.16	0.66	2.96	3.91	0.32	45.88	36
70	0.69	0.09	94.13	1.02	7.58	0.6	7.53	0.6	2	3.99	0.3	48.55	30.5
71	0.85	0.12	84.13	1.49	4.08	0.51	2.74	0.34	3.09	4.97	0.31	36.24	24.5
72	0.47	0.07	88.95	1.94	4.6	0.64	2.42	0.33	5.21	4.63	0.3	45.24	28
73	0.74	0.11	93.37	1.23	7.85	0.43	6.41	0.36	2.79	3.99	0.3	46.95	28.5
74	1	0.13	93.84	1.9	6.48	0.42	3.43	0.22	0.81	3.1	0.42	34.57	31.5
75	0.91	0.12	85.28	0.83	7.9	0.47	9.79	0.57	1.88	3.79	0.3	46.51	32.5
76	0.93	0.13	87.17	0.97	7.55	0.45	7.92	0.48	2.92	6.8	0.31	45.02	30
77	1.16	0.14	89.84	1.18	8.67	0.43	7.79	0.39	1.04	2.55	0.3	47.37	32.5
78	0.82	0.11	89.2	1.27	6.97	0.41	5.57	0.32	1.99	3.78	0.3	42.99	32
79	0.69	0.09	94.24	0.9	4.58	0.56	5.19	0.62	2.48	2.08	0.3	50.9	31
80	0.77	0.09	90.22	1.61	8.23	0.43	5.14	0.26	2.06	7.04	0.31	48.37	26.5

Salinity (350 mM NaCl)

G no.	FW (g)	DW (g)	SR (%)	RWC (%)	Na (*)	K (*)	Ca (*)	K/Na	Ca/Na	EL (%)	MDA (**)	H2O2 (*)	ELWL (%)	PH (cm)
1	0.2	0.06	83.33	59.71	5.15	2.43	0.69	0.47	0.13	51.11	20.37	0.41	0.22	26
2	0.26	0.08	73.33	61.45	6.07	3.95	0.78	0.65	0.13	35.3	12.45	0.47	0.26	24.5
3	0.22	0.08	83.33	61.7	11.81	4.48	0.51	0.38	0.04	52.97	18.26	0.4	0.22	22.5
4	0.17	0.07	90	60.81	10.95	3.37	1.19	0.31	0.11	49.37	14.12	0.36	0.21	25.5
5	0.15	0.07	83.33	52.37	6.8	3.26	0.98	0.48	0.15	65.75	19.3	0.36	0.22	26
6	0.35	0.09	86.67	65.84	6.44	3.96	1.1	0.63	0.17	20.12	10.92	0.35	0.3	28
7	0.17	0.05	90	55.87	8.18	2.83	1.14	0.35	0.14	33.5	18.66	0.38	0.2	27.5
8	0.35	0.08	90	76.48	10.72	3.29	1.02	0.31	0.1	38.03	15.8	0.36	0.32	23
9	0.22	0.06	100	56.7	10.06	3.34	0.96	0.33	0.1	54.19	18.18	0.42	0.2	21
10	0.2	0.06	90	60.72	11.17	3.9	0.66	0.35	0.06	62.92	18.35	0.38	0.19	22.5
11	0.17	0.05	90	63.46	13.28	1.32	0.99	0.1	0.08	52.71	13.57	0.42	0.23	22.5
12	0.28	0.07	96.67	64.47	11.16	2.6	1.06	0.23	0.09	25.92	13.29	0.36	0.2	26
13	0.32	0.08	96.67	69.8	8.85	4.26	1.17	0.48	0.13	32.76	11.43	0.35	0.23	29
14	0.2	0.06	73.33	74.18	12.39	5.71	0.96	0.46	0.08	53.36	20.95	0.38	0.19	24
15	0.18	0.05	66.67	50.27	11.95	2.6	0.77	0.22	0.07	57.88	14.35	0.46	0.24	27.5
16	0.28	0.08	90	53.74	5.97	2.42	1.01	0.42	0.17	60.77	17.47	0.44	0.12	23.5
17	0.42	0.09	90	65.58	7.75	4.28	1	0.59	0.13	37.2	18.54	0.42	0.21	29.5
18	0.25	0.06	90	60.9	10.17	3.88	1.07	0.39	0.11	46.37	15.54	0.37	0.22	24.5
19	0.33	0.08	90	67.6	5.66	4.9	0.98	0.86	0.17	31.77	14.72	0.38	0.16	30
20	0.21	0.05	83.33	63.39	9.62	4.08	1.07	0.42	0.11	41.06	14.12	0.35	0.21	22.5
21	0.17	0.05	86.67	60.31	14.28	3.58	0.87	0.25	0.06	56.71	24.74	0.4	0.19	25
22	0.21	0.06	86.67	69.05	15.94	2.34	0.9	0.15	0.06	42.04	14.82	0.37	0.17	24
23	0.23	0.06	96.67	51.91	6.21	3.43	0.9	0.56	0.15	55.98	14.22	0.37	0.11	24
24	0.26	0.07	73.33	64.5	10.72	6.04	0.84	0.56	0.08	41.19	13.79	0.34	0.19	26
25	0.23	0.06	100	51.88	6.32	1.97	1.22	0.31	0.2	36.04	13.21	0.35	0.25	25
26	0.52	0.07	83.33	74.58	5.82	4.35	0.94	0.75	0.16	43.95	13.02	0.34	0.32	26.5
27	0.19	0.05	70	58.5	14.51	1.91	0.95	0.15	0.07	52.64	20.31	0.36	0.21	23.5
28	0.25	0.06	76.67	65.55	10.6	2.75	1.13	0.27	0.11	21.87	16.31	0.37	0.23	23

29	0.19	0.05	83.33	54.38	13.45	2.35	1.01	0.17	0.08	56.1	15.73	0.37	0.19	23
30	0.2	0.06	86.67	67.09	14.09	2.04	0.88	0.14	0.06	40.84	14.72	0.4	0.19	24.5
31	0.23	0.06	80	59.57	11.94	3.88	0.9	0.33	0.08	42.06	14.52	0.43	0.23	21.5
32	0.37	0.1	83.33	52.59	5.73	5.49	0.53	0.96	0.1	53.28	15.58	0.46	0.19	23
33	0.24	0.06	100	63.91	10.4	4.15	1.13	0.4	0.11	59.34	13.75	0.35	0.21	25.5
34	0.29	0.08	96.67	57.42	10.83	4.19	0.88	0.39	0.08	46.05	27.49	0.41	0.18	27
35	0.33	0.08	100	69.71	9.6	4.41	1.18	0.46	0.12	65.71	15.62	0.35	0.2	24.5
36	0.16	0.05	80	43.77	14.89	2.12	1.13	0.14	0.08	60.82	26.97	0.41	0.2	25
37	0.28	0.08	93.33	61.19	9.42	2.29	0.66	0.24	0.07	57.37	12.11	0.51	0.2	23.5
38	0.32	0.08	100	56.9	10.1	4.5	1.11	0.45	0.11	35.09	12.42	0.35	0.2	23
39	0.22	0.07	83.33	53.99	13.01	4.13	0.7	0.32	0.05	57.51	19.14	0.37	0.21	28.5
40	0.26	0.07	100	54.57	8.61	2.69	1.02	0.32	0.12	52.98	19.91	0.4	0.2	26.5
41	0.21	0.06	83.33	68.98	11.95	4.87	0.79	0.41	0.07	50.9	17.01	0.36	0.21	27
42	0.29	0.06	80	74.16	10	2.4	1.05	0.25	0.11	83.55	14.25	0.33	0.21	27
43	0.3	0.07	100	71.99	8.01	3.25	1.02	0.42	0.13	44.21	16.71	0.37	0.25	28
44	0.19	0.05	76.67	63.41	10.16	4.25	0.93	0.42	0.09	54.76	21.19	0.42	0.24	25.5
45	0.18	0.05	90	56.43	11.12	2.93	0.9	0.26	0.08	58.2	12.43	0.34	0.17	23.5
46	0.23	0.06	86.67	66.18	13.36	3.91	0.79	0.29	0.06	57.74	16.74	0.34	0.19	26.5
47	0.38	0.07	93.33	73.27	8.43	3.92	0.95	0.47	0.11	72.6	18.07	0.41	0.25	30.5
48	0.16	0.05	86.67	52.04	7.19	3.25	0.98	0.46	0.14	71.67	15.76	0.4	0.13	24.5
49	0.21	0.06	100	65.56	10.71	2.28	1.17	0.21	0.11	51.03	10.47	0.34	0.17	25
50	0.25	0.07	83.33	74.68	9.84	2.67	0.77	0.27	0.08	61.44	14.83	0.38	0.22	25
51	0.25	0.08	73.33	68.71	10.03	4.83	0.9	0.48	0.09	47.29	18.47	0.36	0.26	27
52	0.23	0.07	96.67	62.46	10.32	3.24	1.06	0.31	0.1	39.67	14.18	0.35	0.24	23.5
53	0.15	0.04	56.67	64.14	14.96	5.02	0.59	0.34	0.04	50.49	15.78	0.36	0.24	20
54	0.25	0.08	90	56.89	11.28	2.54	1.09	0.22	0.1	57	16.86	0.38	0.23	26
55	0.09	0.02	15	43.15	24.92	3.02	0.79	0.12	0.03	80.38	14.67	0.41	0.22	20
56	0.08	0.02	30	46.29	26.2	2.59	0.62	0.1	0.02	87.37	22.69	0.39	0.28	20
57	0.14	0.03	46.67	56.25	25.05	3.31	0.59	0.13	0.02	58.97	23.7	0.47	0.4	19.5
58	0.08	0.04	40	27.21	18.75	1.65	0.73	0.09	0.04	86.94	21.91	0.4	0.34	17.5
59	0.11	0.03	20	39.18	15.25	2.03	1.01	0.13	0.07	66.39	12	0.45	0.36	18.5

60	0.33	0.09	93.33	59.71	15.26	2.94	1.13	0.19	0.07	49	13.83	0.37	0.14	36
61	0.16	0.05	66.67	63.44	13.01	2.56	1.19	0.2	0.09	37.53	14.9	0.35	0.32	22.5
62	0.08	0.02	53.33	69.67	23.62	2.42	0.51	0.1	0.02	71.77	12.57	0.38	0.26	15.5
63	0.14	0.03	83.33	71.36	14.46	2.77	0.95	0.19	0.07	44.32	14.48	0.35	0.4	22.5
64	0.17	0.04	76.67	52.79	14.6	2.92	0.99	0.2	0.07	48.18	17.6	0.4	0.24	24
65	0.1	0.02	56.67	56.68	18.36	2.54	0.93	0.14	0.05	38.23	15.39	0.35	0.35	16.5
66	0.21	0.06	90	68.86	13.73	3.56	0.87	0.26	0.06	55.23	9.94	0.34	0.25	19.5
67	0.19	0.05	83.33	47.85	13.49	2.63	1.09	0.2	0.08	46.94	20	0.37	0.26	23
68	0.27	0.07	76.67	69.66	12.13	2.31	1.01	0.19	0.08	44.19	9.9	0.35	0.17	24.5
69	0.33	0.08	80	56.2	11.21	3.14	1	0.28	0.09	31.35	14.86	0.35	0.27	27.5
70	0.12	0.04	36.67	44.83	12.32	2.11	0.83	0.18	0.07	29.15	17.54	0.33	0.13	20
71	0.23	0.06	80	59.42	18.18	3.37	1.04	0.19	0.06	79.52	15.84	0.36	0.26	24
72	0.11	0.03	56.67	62.9	20.03	2.91	0.94	0.15	0.05	82.52	22.9	0.39	0.27	21
73	0.2	0.05	86.67	66.1	23.07	3.98	1.04	0.17	0.05	30.05	15.17	0.36	0.25	26.5
74	0.18	0.06	90	52.65	10.29	2.21	0.88	0.21	0.09	55.09	16.77	0.41	0.24	28
75	0.22	0.06	83.33	57.66	9.99	2.13	0.89	0.21	0.09	31.06	15.06	0.41	0.22	29.5
76	0.22	0.06	90	52.55	10.13	4.12	0.91	0.41	0.09	65.22	12.77	0.32	0.27	27.5
77	0.24	0.08	53.33	38.93	10.43	5.18	1.06	0.51	0.1	50.09	9.69	0.36	0.26	26.5
78	0.17	0.04	70	50.34	10.2	2.49	1.11	0.24	0.11	31.19	16.09	0.38	0.3	28.5
79	0.25	0.06	73.33	57.72	11.13	3.71	1.08	0.33	0.1	45.56	14.87	0.37	0.27	28
80	0.14	0.04	53.33	45.43	16.76	2.71	0.92	0.16	0.05	45.28	8.98	0.42	0.22	20.5

(*) mmol g⁻¹ DW (**) nmol g⁻¹ FW (***) mmol g⁻¹ FW