

Supplemental Material

Litter microbial respiration and enzymatic resistance to drought stress

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Table S1. P-values for three-way ANOVA on rewetted and dry vial extracellular enzyme activities excluding week 1

Enzyme	Community ^a	Time ^a	Community:Time ^a	Moisture Exposure ^a
Alpha-glucosidase	< 0.001	0.375	0.332	0.089
Acid-phosphatase*	< 0.001	0.923	0.981	0.007
Beta-glucosidase	< 0.001	0.729	0.374	< 0.001
Beta-xylosidase*	< 0.001	0.972	0.656	< 0.001
Cellobiohydrolase**	< 0.001	0.010	0.111	< 0.001
N-acetyl-glucosaminidase	< 0.001	0.263	0.030	< 0.001
Leucine aminopeptidase	< 0.001	0.161	0.105	< 0.001

^a Bold p-values are significant (< 0.05)

*Tests performed on square root transformed values

** Tests performed on inverse transformed values

Dataset S1. Average extracellular enzyme activities (\pm SE) for each community and condition across weeks 1, 3, 6, and 9

Enzyme	Community	Time	Condition	Average Vmax ($\mu\text{mol g}^{-1} \text{h}^{-1}$)
AG	Control	Week 1	Wet	0.424 \pm 0.115
AG	Desert	Week 1	Wet	1.47 \pm 8.90E-02
AG	Scrubland	Week 1	Wet	1.22 \pm 9.84E-02
AG	Grassland	Week 1	Wet	1.47 \pm 0.123
AG	Pine-Oak	Week 1	Wet	2.80 \pm 0.341
AG	Subalpine	Week 1	Wet	1.82 \pm 0.140
AG	Desert	Week 3	Wet	0.983 \pm 0.252
AG	Desert	Week 3	Dry	0.985 \pm 0.140
AG	Scrubland	Week 3	Wet	1.44 \pm 8.78E-02
AG	Scrubland	Week 3	Dry	0.730 \pm 0.151
AG	Grassland	Week 3	Wet	1.49 \pm 0.424
AG	Grassland	Week 3	Dry	1.23 \pm 0.162
AG	Pine-Oak	Week 3	Wet	2.07 \pm 0.393
AG	Pine-Oak	Week 3	Dry	2.41 \pm 0.284
AG	Subalpine	Week 3	Wet	2.57 \pm 0.251
AG	Subalpine	Week 3	Dry	2.21 \pm 0.111
AG	Desert	Week 6	Wet	1.37 \pm 0.119
AG	Desert	Week 6	Dry	1.06 \pm 0.140
AG	Scrubland	Week 6	Wet	1.28 \pm 4.50E-02
AG	Scrubland	Week 6	Dry	1.09 \pm 0.395
AG	Grassland	Week 6	Wet	1.42 \pm 0.129
AG	Grassland	Week 6	Dry	1.15 \pm 0.260
AG	Pine-Oak	Week 6	Wet	1.65 \pm 0.358
AG	Pine-Oak	Week 6	Dry	1.43 \pm 0.158
AG	Subalpine	Week 6	Wet	2.03 \pm 0.309
AG	Subalpine	Week 6	Dry	1.77 \pm 0.463
AG	Desert	Week 9	Wet	1.50 \pm 0.465
AG	Desert	Week 9	Dry	1.23 \pm 0.107
AG	Scrubland	Week 9	Wet	1.68 \pm 6.72E-02
AG	Scrubland	Week 9	Dry	0.911 \pm 0.305
AG	Grassland	Week 9	Wet	1.41 \pm 0.209
AG	Grassland	Week 9	Dry	1.39 \pm 0.179

AG	Pine-Oak	Week 9	Wet	1.83 ± 0.231
AG	Pine-Oak	Week 9	Dry	1.50 ± 0.641
AG	Subalpine	Week 9	Wet	1.63 ± 0.164
AG	Subalpine	Week 9	Dry	2.37 ± 0.640
AP	Control	Week 1	Wet	0.871 ± 0.400
AP	Desert	Week 1	Wet	6.39 ± 0.727
AP	Scrubland	Week 1	Wet	13.2 ± 1.37
AP	Grassland	Week 1	Wet	6.89 ± 1.06
AP	Pine-Oak	Week 1	Wet	9.33 ± 1.14
AP	Subalpine	Week 1	Wet	6.63 ± 0.266
AP	Desert	Week 3	Wet	5.02 ± 0.225
AP	Desert	Week 3	Dry	2.92 ± 1.10
AP	Scrubland	Week 3	Wet	16.3 ± 1.92
AP	Scrubland	Week 3	Dry	14.1 ± 6.64
AP	Grassland	Week 3	Wet	6.60 ± 1.42
AP	Grassland	Week 3	Dry	2.80 ± 0.451
AP	Pine-Oak	Week 3	Wet	6.25 ± 0.580
AP	Pine-Oak	Week 3	Dry	7.54 ± 1.25
AP	Subalpine	Week 3	Wet	7.68 ± 2.44
AP	Subalpine	Week 3	Dry	6.28 ± 0.672
AP	Desert	Week 6	Wet	3.82 ± 0.187
AP	Desert	Week 6	Dry	5.23 ± 1.41
AP	Scrubland	Week 6	Wet	1.94E+01 ± 4.25
AP	Scrubland	Week 6	Dry	14.6 ± 4.87
AP	Grassland	Week 6	Wet	5.83 ± 1.49
AP	Grassland	Week 6	Dry	3.14 ± 0.133
AP	Pine-Oak	Week 6	Wet	8.84 ± 0.992
AP	Pine-Oak	Week 6	Dry	5.03 ± 1.01
AP	Subalpine	Week 6	Wet	6.05 ± 1.94
AP	Subalpine	Week 6	Dry	5.68 ± 0.162
AP	Desert	Week 9	Wet	6.98 ± 0.486
AP	Desert	Week 9	Dry	3.78 ± 0.277
AP	Scrubland	Week 9	Wet	18.4 ± 1.09
AP	Scrubland	Week 9	Dry	13.1 ± 1.49
AP	Grassland	Week 9	Wet	6.73 ± 1.49
AP	Grassland	Week 9	Dry	3.75 ± 0.500
AP	Pine-Oak	Week 9	Wet	6.75 ± 1.09
AP	Pine-Oak	Week 9	Dry	5.45 ± 1.15

AP	Subalpine	Week 9	Wet	7.19 ± 1.56
AP	Subalpine	Week 9	Dry	7.11 ± 0.899
BG	Control	Week 1	Wet	0.700 ± 0.360
BG	Desert	Week 1	Wet	9.79 ± 1.25
BG	Scrubland	Week 1	Wet	7.03 ± 0.511
BG	Grassland	Week 1	Wet	13.2 ± 1.03
BG	Pine-Oak	Week 1	Wet	15.5 ± 1.90
BG	Subalpine	Week 1	Wet	10.2 ± 0.582
BG	Desert	Week 3	Wet	8.44 ± 0.917
BG	Desert	Week 3	Dry	7.48 ± 1.70
BG	Scrubland	Week 3	Wet	11.8 ± 0.781
BG	Scrubland	Week 3	Dry	8.23 ± 1.51
BG	Grassland	Week 3	Wet	19.4 ± 2.30
BG	Grassland	Week 3	Dry	11.0 ± 1.53
BG	Pine-Oak	Week 3	Wet	16.8 ± 1.86
BG	Pine-Oak	Week 3	Dry	12.2 ± 1.01
BG	Subalpine	Week 3	Wet	14.3 ± 1.30
BG	Subalpine	Week 3	Dry	11.4 ± 2.36
BG	Desert	Week 6	Wet	8.27 ± 1.18
BG	Desert	Week 6	Dry	8.22 ± 2.08
BG	Scrubland	Week 6	Wet	10.3 ± 0.809
BG	Scrubland	Week 6	Dry	11.5 ± 1.56
BG	Grassland	Week 6	Wet	16.2 ± 1.70
BG	Grassland	Week 6	Dry	13.2 ± 0.830
BG	Pine-Oak	Week 6	Wet	13.5 ± 0.482
BG	Pine-Oak	Week 6	Dry	9.45 ± 1.29
BG	Subalpine	Week 6	Wet	11.3 ± 0.850
BG	Subalpine	Week 6	Dry	17.5 ± 1.31
BG	Desert	Week 9	Wet	11.9 ± 0.298
BG	Desert	Week 9	Dry	8.63 ± 1.13
BG	Scrubland	Week 9	Wet	10.8 ± 1.61
BG	Scrubland	Week 9	Dry	5.64 ± 1.23
BG	Grassland	Week 9	Wet	17.8 ± 0.980
BG	Grassland	Week 9	Dry	14.1 ± 1.30
BG	Pine-Oak	Week 9	Wet	20.3 ± 3.63
BG	Pine-Oak	Week 9	Dry	7.17 ± 3.29
BG	Subalpine	Week 9	Wet	14.3 ± 3.54
BG	Subalpine	Week 9	Dry	14.9 ± 0.860

BX	Control	Week 1	Wet	0.532 ± 0.249
BX	Desert	Week 1	Wet	4.52 ± 0.525
BX	Scrubland	Week 1	Wet	6.34 ± 0.620
BX	Grassland	Week 1	Wet	7.50 ± 0.325
BX	Pine-Oak	Week 1	Wet	7.88 ± 0.431
BX	Subalpine	Week 1	Wet	6.06 ± 0.536
BX	Desert	Week 3	Wet	3.41 ± 0.554
BX	Desert	Week 3	Dry	2.50 ± 0.759
BX	Scrubland	Week 3	Wet	6.55 ± 0.461
BX	Scrubland	Week 3	Dry	2.69 ± 0.614
BX	Grassland	Week 3	Wet	9.33 ± 1.31
BX	Grassland	Week 3	Dry	4.02 ± 0.682
BX	Pine-Oak	Week 3	Wet	8.69 ± 0.992
BX	Pine-Oak	Week 3	Dry	5.64 ± 1.17
BX	Subalpine	Week 3	Wet	8.54 ± 0.767
BX	Subalpine	Week 3	Dry	5.30 ± 0.813
BX	Desert	Week 6	Wet	4.03 ± 0.755
BX	Desert	Week 6	Dry	4.22 ± 1.16
BX	Scrubland	Week 6	Wet	6.51 ± 0.441
BX	Scrubland	Week 6	Dry	4.80 ± 0.943
BX	Grassland	Week 6	Wet	7.50 ± 1.65
BX	Grassland	Week 6	Dry	4.52 ± 0.963
BX	Pine-Oak	Week 6	Wet	9.23 ± 2.93
BX	Pine-Oak	Week 6	Dry	3.35 ± 0.501
BX	Subalpine	Week 6	Wet	6.05 ± 0.785
BX	Subalpine	Week 6	Dry	5.52 ± 1.12
BX	Desert	Week 9	Wet	4.53 ± 0.428
BX	Desert	Week 9	Dry	2.73 ± 5.68E-02
BX	Scrubland	Week 9	Wet	6.56 ± 0.470
BX	Scrubland	Week 9	Dry	4.25 ± 1.35
BX	Grassland	Week 9	Wet	7.81 ± 1.42
BX	Grassland	Week 9	Dry	4.24 ± 0.369
BX	Pine-Oak	Week 9	Wet	8.46 ± 1.23
BX	Pine-Oak	Week 9	Dry	3.26 ± 0.521
BX	Subalpine	Week 9	Wet	7.21 ± 1.01
BX	Subalpine	Week 9	Dry	6.60 ± 0.787
CBH	Control	Week 1	Wet	0.460 ± 5.74E-02
CBH	Desert	Week 1	Wet	5.52 ± 2.33

CBH	Scrubland	Week 1	Wet	33.34 ± 0.307
CBH	Grassland	Week 1	Wet	6.80 ± 0.389
CBH	Pine-Oak	Week 1	Wet	6.79 ± 0.799
CBH	Subalpine	Week 1	Wet	4.61 ± 0.258
CBH	Desert	Week 3	Wet	3.26 ± 0.530
CBH	Desert	Week 3	Dry	2.91 ± 0.601
CBH	Scrubland	Week 3	Wet	5.85 ± 0.947
CBH	Scrubland	Week 3	Dry	2.21 ± 0.423
CBH	Grassland	Week 3	Wet	10.7 ± 1.34
CBH	Grassland	Week 3	Dry	4.74 ± 0.990
CBH	Pine-Oak	Week 3	Wet	8.87 ± 0.695
CBH	Pine-Oak	Week 3	Dry	6.51 ± 1.21
CBH	Subalpine	Week 3	Wet	8.39 ± 2.03
CBH	Subalpine	Week 3	Dry	4.10 ± 0.805
CBH	Desert	Week 6	Wet	4.12 ± 0.867
CBH	Desert	Week 6	Dry	1.94 ± 0.398
CBH	Scrubland	Week 6	Wet	4.63 ± 0.102
CBH	Scrubland	Week 6	Dry	3.67 ± 1.38
CBH	Grassland	Week 6	Wet	8.39 ± 0.941
CBH	Grassland	Week 6	Dry	4.87 ± 0.757
CBH	Pine-Oak	Week 6	Wet	7.78 ± 1.31
CBH	Pine-Oak	Week 6	Dry	3.34 ± 0.535
CBH	Subalpine	Week 6	Wet	5.42 ± 0.462
CBH	Subalpine	Week 6	Dry	6.63 ± 1.99
CBH	Desert	Week 9	Wet	7.00 ± 1.02
CBH	Desert	Week 9	Dry	5.04 ± 0.426
CBH	Scrubland	Week 9	Wet	4.72 ± 0.885
CBH	Scrubland	Week 9	Dry	2.25 ± 0.464
CBH	Grassland	Week 9	Wet	10.6 ± 0.736
CBH	Grassland	Week 9	Dry	5.88 ± 0.675
CBH	Pine-Oak	Week 9	Wet	8.43 ± 0.357
CBH	Pine-Oak	Week 9	Dry	5.23 ± 0.109
CBH	Subalpine	Week 9	Wet	9.46 ± 1.25
CBH	Subalpine	Week 9	Dry	5.91 ± 0.639
NAG	Control	Week 1	Wet	0.632 ± 0.120
NAG	Desert	Week 1	Wet	11.2 ± 3.36
NAG	Scrubland	Week 1	Wet	11.1 ± 1.68
NAG	Grassland	Week 1	Wet	13.1 ± 1.91

NAG	Pine-Oak	Week 1	Wet	17.2 ± 1.66
NAG	Subalpine	Week 1	Wet	4.67 ± 0.772
NAG	Desert	Week 3	Wet	6.60 ± 0.450
NAG	Desert	Week 3	Dry	6.24 ± 1.30
NAG	Scrubland	Week 3	Wet	13.4 ± 1.49
NAG	Scrubland	Week 3	Dry	6.76 ± 1.06
NAG	Grassland	Week 3	Wet	15.7 ± 2.83
NAG	Grassland	Week 3	Dry	7.97 ± 1.82
NAG	Pine-Oak	Week 3	Wet	17.7 ± 2.65
NAG	Pine-Oak	Week 3	Dry	8.16 ± 0.912
NAG	Subalpine	Week 3	Wet	6.78 ± 1.43
NAG	Subalpine	Week 3	Dry	6.99 ± 0.219
NAG	Desert	Week 6	Wet	11.5 ± 2.18
NAG	Desert	Week 6	Dry	5.46 ± 0.409
NAG	Scrubland	Week 6	Wet	16.6 ± 4.14
NAG	Scrubland	Week 6	Dry	10.8 ± 2.17
NAG	Grassland	Week 6	Wet	14.2 ± 0.914
NAG	Grassland	Week 6	Dry	8.88 ± 0.865
NAG	Pine-Oak	Week 6	Wet	12.0 ± 1.31
NAG	Pine-Oak	Week 6	Dry	5.98 ± 1.43
NAG	Subalpine	Week 6	Wet	7.83 ± 0.703
NAG	Subalpine	Week 6	Dry	5.54 ± 1.74
NAG	Desert	Week 9	Wet	13.6 ± 1.77
NAG	Desert	Week 9	Dry	8.50 ± 2.52
NAG	Scrubland	Week 9	Wet	14.1 ± 2.17
NAG	Scrubland	Week 9	Dry	9.41 ± 2.11
NAG	Grassland	Week 9	Wet	12.2 ± 0.327
NAG	Grassland	Week 9	Dry	9.36 ± 0.595
NAG	Pine-Oak	Week 9	Wet	17.7 ± 1.18
NAG	Pine-Oak	Week 9	Dry	9.71 ± 1.34
NAG	Subalpine	Week 9	Wet	6.88 ± 1.34
NAG	Subalpine	Week 9	Dry	6.61 ± 0.425
LAP	Control	Week 1	Wet	0.505 ± 0.132
LAP	Desert	Week 1	Wet	6.09 ± 0.699
LAP	Scrubland	Week 1	Wet	8.32 ± 0.330
LAP	Grassland	Week 1	Wet	8.24 ± 0.639
LAP	Pine-Oak	Week 1	Wet	11.7 ± 1.45
LAP	Subalpine	Week 1	Wet	13.8 ± 1.17

LAP	Desert	Week 3	Wet	6.08 ± 0.828
LAP	Desert	Week 3	Dry	3.35 ± 0.508
LAP	Scrubland	Week 3	Wet	7.01 ± 1.43
LAP	Scrubland	Week 3	Dry	2.91 ± 0.457
LAP	Grassland	Week 3	Wet	7.72 ± 0.587
LAP	Grassland	Week 3	Dry	4.52 ± 0.352
LAP	Pine-Oak	Week 3	Wet	8.21 ± 1.51
LAP	Pine-Oak	Week 3	Dry	6.99 ± 2.29
LAP	Subalpine	Week 3	Wet	12.4 ± 2.64
LAP	Subalpine	Week 3	Dry	12.1 ± 1.43
LAP	Desert	Week 6	Wet	4.43 ± 0.635
LAP	Desert	Week 6	Dry	3.19 ± 0.809
LAP	Scrubland	Week 6	Wet	7.87 ± 0.388
LAP	Scrubland	Week 6	Dry	5.17 ± 1.25
LAP	Grassland	Week 6	Wet	5.90 ± 0.878
LAP	Grassland	Week 6	Dry	3.63 ± 0.662
LAP	Pine-Oak	Week 6	Wet	10.5 ± 0.870
LAP	Pine-Oak	Week 6	Dry	6.04 ± 0.409
LAP	Subalpine	Week 6	Wet	10.7 ± 0.684
LAP	Subalpine	Week 6	Dry	7.82 ± 0.930
LAP	Desert	Week 9	Wet	3.78 ± 1.87
LAP	Desert	Week 9	Dry	3.08 ± 0.780
LAP	Scrubland	Week 9	Wet	8.03 ± 0.933
LAP	Scrubland	Week 9	Dry	4.41 ± 0.698
LAP	Grassland	Week 9	Wet	6.19 ± 0.613
LAP	Grassland	Week 9	Dry	5.32 ± 0.986
LAP	Pine-Oak	Week 9	Wet	5.69 ± 0.554
LAP	Pine-Oak	Week 9	Dry	5.96 ± 2.30
LAP	Subalpine	Week 9	Wet	8.77 ± 1.42
LAP	Subalpine	Week 9	Dry	9.77 ± 0.148

Dataset S2. Average respiration rates (\pm SE) for each for each community and condition across weeks 1, 3, 6, and 9

Community	Time	Average Respiration Rate ($\mu\text{mol g}^{-1} \text{h}^{-1}$) WET	Average Respiration Rate ($\mu\text{mol g}^{-1} \text{h}^{-1}$) DRY
Control	Week 1	3.02E-04 \pm 1.46E-04	--
Desert	Week 1	1.90E-02 \pm 7.71E-04	--
Scrubland	Week 1	2.01E-02 \pm 4.14E-04	--
Grassland	Week 1	2.27E-02 \pm 4.03E-04	--
Pine-Oak	Week 1	2.19E-02 \pm 7.48E-04	--
Subalpine	Week 1	1.71E-02 \pm 2.02E-03	--
Desert	Week 3	2.03E-02 \pm 1.47E-03	9.08E-04 \pm 1.14E-04
Scrubland	Week 3	1.75E-02 \pm 7.81E-04	8.91E-04 \pm 6.31E-05
Grassland	Week 3	1.55E-02 \pm 3.02E-03	8.84E-04 \pm 1.16E-04
Pine-Oak	Week 3	1.76E-02 \pm 4.63E-04	9.39E-04 \pm 7.51E-05
Subalpine	Week 3	1.77E-02 \pm 7.22E-04	7.79E-04 \pm 6.06E-06
Desert	Week 6	1.52E-02 \pm 1.10E-03	1.05E-03 \pm 3.34E-04
Scrubland	Week 6	1.53E-02 \pm 2.83E-04	1.47E-03 \pm 4.08E-04
Grassland	Week 6	1.59E-02 \pm 5.61E-04	8.31E-04 \pm 1.04E-05
Pine-Oak	Week 6	1.49E-02 \pm 2.20E-04	8.98E-04 \pm 1.83E-04
Subalpine	Week 6	1.02E-02 \pm 4.10E-03	7.14E-04 \pm 3.27E-05
Desert	Week 9	1.35E-02 \pm 2.55E-03	9.49E-04 \pm 1.00E-04
Scrubland	Week 9	1.58E-02 \pm 4.37E-04	1.01E-03 \pm 4.58E-05
Grassland	Week 9	1.64E-02 \pm 4.00E-04	7.89E-04 \pm 5.86E-05
Pine-Oak	Week 9	1.48E-02 \pm 4.67E-04	8.21E-04 \pm 5.29E-05
Subalpine	Week 9	1.27E-02 \pm 3.98E-04	7.90E-04 \pm 2.44E-05

Dataset S3. Extracellular enzyme activities for each microcosm in the experiment

Enzyme	Community	Time	Condition	V_{max} ($\mu\text{mol g}^{-1} \text{h}^{-1}$)
AG	Control	1	Wet	0.256
AG	Control	1	Wet	0.371
AG	Control	1	Wet	0.644
AG	Desert	1	Wet	1.64
AG	Desert	1	Wet	1.35
AG	Desert	1	Wet	1.43
AG	Scrubland	1	Wet	1.39
AG	Scrubland	1	Wet	1.05
AG	Scrubland	1	Wet	1.22
AG	Grassland	1	Wet	1.42
AG	Grassland	1	Wet	1.28
AG	Grassland	1	Wet	1.70
AG	Pine-Oak	1	Wet	3.46
AG	Pine-Oak	1	Wet	2.32
AG	Pine-Oak	1	Wet	2.63
AG	Subalpine	1	Wet	1.96
AG	Subalpine	1	Wet	1.54
AG	Subalpine	1	Wet	1.95
AG	Desert	3	Wet	0.816
AG	Desert	3	Wet	0.655
AG	Desert	3	Wet	1.48
AG	Scrubland	3	Wet	1.50
AG	Scrubland	3	Wet	1.27
AG	Scrubland	3	Wet	1.55
AG	Grassland	3	Wet	1.91
AG	Grassland	3	Wet	1.92
AG	Grassland	3	Wet	0.639
AG	Pine-Oak	3	Wet	2.12
AG	Pine-Oak	3	Wet	1.37
AG	Pine-Oak	3	Wet	2.73
AG	Subalpine	3	Wet	2.86
AG	Subalpine	3	Wet	2.78
AG	Subalpine	3	Wet	2.07
AG	Desert	6	Wet	1.21
AG	Desert	6	Wet	1.60
AG	Desert	6	Wet	1.30

AG	Scrubland	6	Wet	1.19
AG	Scrubland	6	Wet	1.33
AG	Scrubland	6	Wet	1.32
AG	Grassland	6	Wet	1.54
AG	Grassland	6	Wet	1.16
AG	Grassland	6	Wet	1.56
AG	Pine-Oak	6	Wet	1.57
AG	Pine-Oak	6	Wet	2.30
AG	Pine-Oak	6	Wet	1.07
AG	Subalpine	6	Wet	2.51
AG	Subalpine	6	Wet	1.45
AG	Subalpine	6	Wet	2.12
AG	Desert	9	Wet	2.42
AG	Desert	9	Wet	1.17
AG	Desert	9	Wet	0.923
AG	Scrubland	9	Wet	1.81
AG	Scrubland	9	Wet	1.66
AG	Scrubland	9	Wet	1.58
AG	Grassland	9	Wet	1.00
AG	Grassland	9	Wet	1.65
AG	Grassland	9	Wet	1.60
AG	Pine-Oak	9	Wet	2.22
AG	Pine-Oak	9	Wet	1.41
AG	Pine-Oak	9	Wet	1.86
AG	Subalpine	9	Wet	1.96
AG	Subalpine	9	Wet	1.44
AG	Subalpine	9	Wet	1.50
AP	Control	1	Wet	0.511
AP	Control	1	Wet	1.67
AP	Control	1	Wet	0.432
AP	Desert	1	Wet	7.84
AP	Desert	1	Wet	5.68
AP	Desert	1	Wet	5.64
AP	Scrubland	1	Wet	15.9
AP	Scrubland	1	Wet	11.6
AP	Scrubland	1	Wet	11.9
AP	Grassland	1	Wet	8.96
AP	Grassland	1	Wet	5.48
AP	Grassland	1	Wet	6.23
AP	Pine-Oak	1	Wet	8.80

AP	Pine-Oak	1	Wet	7.67
AP	Pine-Oak	1	Wet	11.5
AP	Subalpine	1	Wet	6.28
AP	Subalpine	1	Wet	7.15
AP	Subalpine	1	Wet	6.47
AP	Desert	3	Wet	4.73
AP	Desert	3	Wet	5.46
AP	Desert	3	Wet	4.86
AP	Scrubland	3	Wet	19.4
AP	Scrubland	3	Wet	12.8
AP	Scrubland	3	Wet	16.9
AP	Grassland	3	Wet	8.49
AP	Grassland	3	Wet	7.48
AP	Grassland	3	Wet	3.82
AP	Pine-Oak	3	Wet	7.26
AP	Pine-Oak	3	Wet	5.25
AP	Pine-Oak	3	Wet	6.24
AP	Subalpine	3	Wet	12.2
AP	Subalpine	3	Wet	7.04
AP	Subalpine	3	Wet	3.80
AP	Desert	6	Wet	3.47
AP	Desert	6	Wet	4.10
AP	Desert	6	Wet	3.88
AP	Scrubland	6	Wet	25.8
AP	Scrubland	6	Wet	11.4
AP	Scrubland	6	Wet	21.0
AP	Grassland	6	Wet	8.37
AP	Grassland	6	Wet	5.90
AP	Grassland	6	Wet	3.22
AP	Pine-Oak	6	Wet	7.11
AP	Pine-Oak	6	Wet	10.5
AP	Pine-Oak	6	Wet	8.86
AP	Subalpine	6	Wet	5.49
AP	Subalpine	6	Wet	9.65
AP	Subalpine	6	Wet	3.02
AP	Desert	9	Wet	6.13
AP	Desert	9	Wet	7.82
AP	Desert	9	Wet	6.98
AP	Scrubland	9	Wet	20.5
AP	Scrubland	9	Wet	17.1

AP	Scrubland	9	Wet	17.5
AP	Grassland	9	Wet	9.51
AP	Grassland	9	Wet	6.23
AP	Grassland	9	Wet	4.44
AP	Pine-Oak	9	Wet	8.62
AP	Pine-Oak	9	Wet	6.81
AP	Pine-Oak	9	Wet	4.84
AP	Subalpine	9	Wet	9.88
AP	Subalpine	9	Wet	4.48
AP	Subalpine	9	Wet	7.21
BG	Control	1	Wet	0.357
BG	Control	1	Wet	1.42
BG	Control	1	Wet	0.323
BG	Desert	1	Wet	12.1
BG	Desert	1	Wet	7.76
BG	Desert	1	Wet	9.56
BG	Scrubland	1	Wet	6.52
BG	Scrubland	1	Wet	8.05
BG	Scrubland	1	Wet	6.52
BG	Grassland	1	Wet	15.0
BG	Grassland	1	Wet	11.4
BG	Grassland	1	Wet	13.2
BG	Pine-Oak	1	Wet	19.0
BG	Pine-Oak	1	Wet	12.5
BG	Pine-Oak	1	Wet	14.9
BG	Subalpine	1	Wet	9.48
BG	Subalpine	1	Wet	11.4
BG	Subalpine	1	Wet	9.81
BG	Desert	3	Wet	9.20
BG	Desert	3	Wet	6.62
BG	Desert	3	Wet	9.51
BG	Scrubland	3	Wet	11.3
BG	Scrubland	3	Wet	13.3
BG	Scrubland	3	Wet	10.7
BG	Grassland	3	Wet	24.0
BG	Grassland	3	Wet	17.5
BG	Grassland	3	Wet	16.8
BG	Pine-Oak	3	Wet	13.2
BG	Pine-Oak	3	Wet	19.4
BG	Pine-Oak	3	Wet	17.8

BG	Subalpine	3	Wet	16.9
BG	Subalpine	3	Wet	13.4
BG	Subalpine	3	Wet	12.7
BG	Desert	6	Wet	6.61
BG	Desert	6	Wet	7.64
BG	Desert	6	Wet	10.6
BG	Scrubland	6	Wet	10.6
BG	Scrubland	6	Wet	11.5
BG	Scrubland	6	Wet	8.76
BG	Grassland	6	Wet	15.5
BG	Grassland	6	Wet	19.4
BG	Grassland	6	Wet	13.7
BG	Pine-Oak	6	Wet	13.1
BG	Pine-Oak	6	Wet	13.1
BG	Pine-Oak	6	Wet	14.5
BG	Subalpine	6	Wet	9.74
BG	Subalpine	6	Wet	12.6
BG	Subalpine	6	Wet	11.6
BG	Desert	9	Wet	12.2
BG	Desert	9	Wet	12.1
BG	Desert	9	Wet	11.3
BG	Scrubland	9	Wet	12.6
BG	Scrubland	9	Wet	7.56
BG	Scrubland	9	Wet	12.2
BG	Grassland	9	Wet	19.2
BG	Grassland	9	Wet	18.3
BG	Grassland	9	Wet	15.9
BG	Pine-Oak	9	Wet	17.2
BG	Pine-Oak	9	Wet	27.5
BG	Pine-Oak	9	Wet	16.2
BG	Subalpine	9	Wet	20.3
BG	Subalpine	9	Wet	8.02
BG	Subalpine	9	Wet	14.6
BX	Control	1	Wet	0.303
BX	Control	1	Wet	1.03
BX	Control	1	Wet	0.263
BX	Desert	1	Wet	5.53
BX	Desert	1	Wet	3.77
BX	Desert	1	Wet	4.26
BX	Scrubland	1	Wet	7.59

BX	Scrubland	1	Wet	5.72
BX	Scrubland	1	Wet	5.73
BX	Grassland	1	Wet	8.12
BX	Grassland	1	Wet	7.03
BX	Grassland	1	Wet	7.36
BX	Pine-Oak	1	Wet	8.64
BX	Pine-Oak	1	Wet	7.84
BX	Pine-Oak	1	Wet	7.15
BX	Subalpine	1	Wet	6.49
BX	Subalpine	1	Wet	4.99
BX	Subalpine	1	Wet	6.70
BX	Desert	3	Wet	3.76
BX	Desert	3	Wet	2.32
BX	Desert	3	Wet	4.14
BX	Scrubland	3	Wet	7.02
BX	Scrubland	3	Wet	5.63
BX	Scrubland	3	Wet	7.00
BX	Grassland	3	Wet	11.9
BX	Grassland	3	Wet	7.76
BX	Grassland	3	Wet	8.30
BX	Pine-Oak	3	Wet	6.90
BX	Pine-Oak	3	Wet	10.3
BX	Pine-Oak	3	Wet	8.87
BX	Subalpine	3	Wet	9.96
BX	Subalpine	3	Wet	8.34
BX	Subalpine	3	Wet	7.33
BX	Desert	6	Wet	3.45
BX	Desert	6	Wet	3.11
BX	Desert	6	Wet	5.52
BX	Scrubland	6	Wet	7.39
BX	Scrubland	6	Wet	6.05
BX	Scrubland	6	Wet	6.08
BX	Grassland	6	Wet	7.47
BX	Grassland	6	Wet	10.4
BX	Grassland	6	Wet	4.67
BX	Pine-Oak	6	Wet	15.1
BX	Pine-Oak	6	Wet	6.01
BX	Pine-Oak	6	Wet	6.60
BX	Subalpine	6	Wet	6.51
BX	Subalpine	6	Wet	4.53

BX	Subalpine	6	Wet	7.13
BX	Desert	9	Wet	5.27
BX	Desert	9	Wet	3.79
BX	Desert	9	Wet	4.52
BX	Scrubland	9	Wet	7.46
BX	Scrubland	9	Wet	6.35
BX	Scrubland	9	Wet	5.88
BX	Grassland	9	Wet	5.90
BX	Grassland	9	Wet	10.6
BX	Grassland	9	Wet	6.94
BX	Pine-Oak	9	Wet	7.69
BX	Pine-Oak	9	Wet	10.9
BX	Pine-Oak	9	Wet	6.83
BX	Subalpine	9	Wet	6.49
BX	Subalpine	9	Wet	9.20
BX	Subalpine	9	Wet	5.93
CBH	Control	1	Wet	0.397
CBH	Control	1	Wet	0.575
CBH	Control	1	Wet	0.409
CBH	Desert	1	Wet	10.2
CBH	Desert	1	Wet	3.21
CBH	Desert	1	Wet	3.16
CBH	Scrubland	1	Wet	3.95
CBH	Scrubland	1	Wet	3.00
CBH	Scrubland	1	Wet	3.06
CBH	Grassland	1	Wet	6.65
CBH	Grassland	1	Wet	6.21
CBH	Grassland	1	Wet	7.53
CBH	Pine-Oak	1	Wet	8.38
CBH	Pine-Oak	1	Wet	5.84
CBH	Pine-Oak	1	Wet	6.15
CBH	Subalpine	1	Wet	4.36
CBH	Subalpine	1	Wet	5.13
CBH	Subalpine	1	Wet	4.34
CBH	Desert	3	Wet	3.56
CBH	Desert	3	Wet	2.23
CBH	Desert	3	Wet	4.00
CBH	Scrubland	3	Wet	4.87
CBH	Scrubland	3	Wet	7.75
CBH	Scrubland	3	Wet	4.94

CBH	Grassland	3	Wet	12.8
CBH	Grassland	3	Wet	11.2
CBH	Grassland	3	Wet	8.25
CBH	Pine-Oak	3	Wet	7.48
CBH	Pine-Oak	3	Wet	9.67
CBH	Pine-Oak	3	Wet	9.45
CBH	Subalpine	3	Wet	12.4
CBH	Subalpine	3	Wet	7.14
CBH	Subalpine	3	Wet	5.67
CBH	Desert	6	Wet	2.87
CBH	Desert	6	Wet	3.69
CBH	Desert	6	Wet	5.79
CBH	Scrubland	6	Wet	4.67
CBH	Scrubland	6	Wet	4.78
CBH	Scrubland	6	Wet	4.43
CBH	Grassland	6	Wet	8.91
CBH	Grassland	6	Wet	9.70
CBH	Grassland	6	Wet	6.56
CBH	Pine-Oak	6	Wet	6.38
CBH	Pine-Oak	6	Wet	6.57
CBH	Pine-Oak	6	Wet	10.4
CBH	Subalpine	6	Wet	5.56
CBH	Subalpine	6	Wet	4.56
CBH	Subalpine	6	Wet	6.14
CBH	Desert	9	Wet	9.01
CBH	Desert	9	Wet	5.70
CBH	Desert	9	Wet	6.28
CBH	Scrubland	9	Wet	5.64
CBH	Scrubland	9	Wet	2.95
CBH	Scrubland	9	Wet	5.58
CBH	Grassland	9	Wet	9.85
CBH	Grassland	9	Wet	12.1
CBH	Grassland	9	Wet	9.85
CBH	Pine-Oak	9	Wet	8.92
CBH	Pine-Oak	9	Wet	8.64
CBH	Pine-Oak	9	Wet	7.73
CBH	Subalpine	9	Wet	8.21
CBH	Subalpine	9	Wet	8.22
CBH	Subalpine	9	Wet	12.0
NAG	Control	1	Wet	0.538

NAG	Control	1	Wet	0.871
NAG	Control	1	Wet	0.488
NAG	Desert	1	Wet	17.6
NAG	Desert	1	Wet	9.94
NAG	Desert	1	Wet	6.11
NAG	Scrubland	1	Wet	14.3
NAG	Scrubland	1	Wet	10.4
NAG	Scrubland	1	Wet	8.61
NAG	Grassland	1	Wet	15.5
NAG	Grassland	1	Wet	9.34
NAG	Grassland	1	Wet	14.5
NAG	Pine-Oak	1	Wet	19.1
NAG	Pine-Oak	1	Wet	18.7
NAG	Pine-Oak	1	Wet	13.9
NAG	Subalpine	1	Wet	3.89
NAG	Subalpine	1	Wet	6.22
NAG	Subalpine	1	Wet	3.92
NAG	Desert	3	Wet	5.91
NAG	Desert	3	Wet	7.44
NAG	Desert	3	Wet	6.43
NAG	Scrubland	3	Wet	16.0
NAG	Scrubland	3	Wet	13.3
NAG	Scrubland	3	Wet	10.8
NAG	Grassland	3	Wet	16.8
NAG	Grassland	3	Wet	19.9
NAG	Grassland	3	Wet	10.3
NAG	Pine-Oak	3	Wet	16.1
NAG	Pine-Oak	3	Wet	14.1
NAG	Pine-Oak	3	Wet	22.9
NAG	Subalpine	3	Wet	6.18
NAG	Subalpine	3	Wet	4.66
NAG	Subalpine	3	Wet	9.51
NAG	Desert	6	Wet	7.90
NAG	Desert	6	Wet	11.0
NAG	Desert	6	Wet	15.4
NAG	Scrubland	6	Wet	16.8
NAG	Scrubland	6	Wet	9.32
NAG	Scrubland	6	Wet	23.7
NAG	Grassland	6	Wet	14.8
NAG	Grassland	6	Wet	15.3

NAG	Grassland	6	Wet	12.4
NAG	Pine-Oak	6	Wet	9.55
NAG	Pine-Oak	6	Wet	12.5
NAG	Pine-Oak	6	Wet	14.0
NAG	Subalpine	6	Wet	9.14
NAG	Subalpine	6	Wet	7.61
NAG	Subalpine	6	Wet	6.74
NAG	Desert	9	Wet	15.7
NAG	Desert	9	Wet	10.1
NAG	Desert	9	Wet	15.1
NAG	Scrubland	9	Wet	17.7
NAG	Scrubland	9	Wet	10.2
NAG	Scrubland	9	Wet	14.4
NAG	Grassland	9	Wet	11.6
NAG	Grassland	9	Wet	12.7
NAG	Grassland	9	Wet	12.4
NAG	Pine-Oak	9	Wet	20.0
NAG	Pine-Oak	9	Wet	16.2
NAG	Pine-Oak	9	Wet	16.8
NAG	Subalpine	9	Wet	5.25
NAG	Subalpine	9	Wet	5.84
NAG	Subalpine	9	Wet	9.54
LAP	Control	1	Wet	0.247
LAP	Control	1	Wet	0.680
LAP	Control	1	Wet	0.589
LAP	Desert	1	Wet	6.04
LAP	Desert	1	Wet	4.91
LAP	Desert	1	Wet	7.33
LAP	Scrubland	1	Wet	8.37
LAP	Scrubland	1	Wet	7.73
LAP	Scrubland	1	Wet	8.87
LAP	Grassland	1	Wet	9.21
LAP	Grassland	1	Wet	8.47
LAP	Grassland	1	Wet	7.03
LAP	Pine-Oak	1	Wet	13.6
LAP	Pine-Oak	1	Wet	12.7
LAP	Pine-Oak	1	Wet	8.88
LAP	Subalpine	1	Wet	15.2
LAP	Subalpine	1	Wet	11.4
LAP	Subalpine	1	Wet	14.7

LAP	Desert	3	Wet	4.54
LAP	Desert	3	Wet	6.31
LAP	Desert	3	Wet	7.38
LAP	Scrubland	3	Wet	9.30
LAP	Scrubland	3	Wet	7.35
LAP	Scrubland	3	Wet	4.39
LAP	Grassland	3	Wet	8.35
LAP	Grassland	3	Wet	8.26
LAP	Grassland	3	Wet	6.54
LAP	Pine-Oak	3	Wet	9.97
LAP	Pine-Oak	3	Wet	5.21
LAP	Pine-Oak	3	Wet	9.44
LAP	Subalpine	3	Wet	12.4
LAP	Subalpine	3	Wet	16.9
LAP	Subalpine	3	Wet	7.81
LAP	Desert	6	Wet	3.77
LAP	Desert	6	Wet	3.82
LAP	Desert	6	Wet	5.70
LAP	Scrubland	6	Wet	8.58
LAP	Scrubland	6	Wet	7.78
LAP	Scrubland	6	Wet	7.24
LAP	Grassland	6	Wet	6.77
LAP	Grassland	6	Wet	6.79
LAP	Grassland	6	Wet	4.15
LAP	Pine-Oak	6	Wet	11.3
LAP	Pine-Oak	6	Wet	11.5
LAP	Pine-Oak	6	Wet	8.77
LAP	Subalpine	6	Wet	11.3
LAP	Subalpine	6	Wet	11.4
LAP	Subalpine	6	Wet	9.29
LAP	Desert	9	Wet	1.89
LAP	Desert	9	Wet	1.92
LAP	Desert	9	Wet	7.51
LAP	Scrubland	9	Wet	8.72
LAP	Scrubland	9	Wet	6.18
LAP	Scrubland	9	Wet	9.18
LAP	Grassland	9	Wet	7.20
LAP	Grassland	9	Wet	5.08
LAP	Grassland	9	Wet	6.28
LAP	Pine-Oak	9	Wet	5.52

LAP	Pine-Oak	9	Wet	4.83
LAP	Pine-Oak	9	Wet	6.72
LAP	Subalpine	9	Wet	6.42
LAP	Subalpine	9	Wet	8.59
LAP	Subalpine	9	Wet	11.3
AG	Desert	9	Dry	1.34
AG	Desert	9	Dry	1.12
AG	Scrubland	9	Dry	1.42
AG	Scrubland	9	Dry	0.938
AG	Scrubland	9	Dry	0.370
AG	Grassland	9	Dry	1.63
AG	Grassland	9	Dry	1.50
AG	Grassland	9	Dry	1.04
AG	Pine-Oak	9	Dry	0.226
AG	Pine-Oak	9	Dry	2.06
AG	Pine-Oak	9	Dry	2.23
AG	Subalpine	9	Dry	1.11
AG	Subalpine	9	Dry	3.18
AG	Subalpine	9	Dry	2.83
AG	Desert	6	Dry	0.781
AG	Desert	6	Dry	1.18
AG	Desert	6	Dry	1.22
AG	Scrubland	6	Dry	1.69
AG	Scrubland	6	Dry	1.25
AG	Scrubland	6	Dry	0.346
AG	Grassland	6	Dry	1.49
AG	Grassland	6	Dry	1.34
AG	Grassland	6	Dry	0.641
AG	Pine-Oak	6	Dry	1.53
AG	Pine-Oak	6	Dry	1.13
AG	Pine-Oak	6	Dry	1.65
AG	Subalpine	6	Dry	0.891
AG	Subalpine	6	Dry	1.95
AG	Subalpine	6	Dry	2.47
AG	Desert	3	Dry	1.24
AG	Desert	3	Dry	0.753
AG	Desert	3	Dry	0.966
AG	Scrubland	3	Dry	1.00
AG	Scrubland	3	Dry	0.712
AG	Scrubland	3	Dry	0.477

AG	Grassland	3	Dry	1.04
AG	Grassland	3	Dry	1.10
AG	Grassland	3	Dry	1.56
AG	Pine-Oak	3	Dry	2.53
AG	Pine-Oak	3	Dry	1.87
AG	Pine-Oak	3	Dry	2.84
AG	Subalpine	3	Dry	2.42
AG	Subalpine	3	Dry	2.16
AG	Subalpine	3	Dry	2.04
AP	Desert	3	Dry	5.08
AP	Desert	3	Dry	1.47
AP	Desert	3	Dry	2.20
AP	Scrubland	3	Dry	26.9
AP	Scrubland	3	Dry	10.7
AP	Scrubland	3	Dry	4.65
AP	Grassland	3	Dry	3.14
AP	Grassland	3	Dry	3.37
AP	Grassland	3	Dry	1.91
AP	Pine-Oak	3	Dry	7.48
AP	Pine-Oak	3	Dry	9.73
AP	Pine-Oak	3	Dry	5.40
AP	Subalpine	3	Dry	6.93
AP	Subalpine	3	Dry	6.97
AP	Subalpine	3	Dry	4.93
AP	Desert	6	Dry	4.88
AP	Desert	6	Dry	7.83
AP	Desert	6	Dry	2.97
AP	Scrubland	6	Dry	24.0
AP	Scrubland	6	Dry	12.1
AP	Scrubland	6	Dry	7.63
AP	Grassland	6	Dry	2.96
AP	Grassland	6	Dry	3.06
AP	Grassland	6	Dry	3.40
AP	Pine-Oak	6	Dry	5.92
AP	Pine-Oak	6	Dry	3.02
AP	Pine-Oak	6	Dry	6.15
AP	Subalpine	6	Dry	5.92
AP	Subalpine	6	Dry	5.74
AP	Subalpine	6	Dry	5.37
AP	Desert	9	Dry	3.50

AP	Desert	9	Dry	4.06
AP	Scrubland	9	Dry	13.9
AP	Scrubland	9	Dry	15.2
AP	Scrubland	9	Dry	10.2
AP	Grassland	9	Dry	4.64
AP	Grassland	9	Dry	3.71
AP	Grassland	9	Dry	2.91
AP	Pine-Oak	9	Dry	4.05
AP	Pine-Oak	9	Dry	4.56
AP	Pine-Oak	9	Dry	7.73
AP	Subalpine	9	Dry	5.56
AP	Subalpine	9	Dry	8.67
AP	Subalpine	9	Dry	7.11
BG	Desert	3	Dry	10.7
BG	Desert	3	Dry	4.86
BG	Desert	3	Dry	6.92
BG	Scrubland	3	Dry	11.0
BG	Scrubland	3	Dry	5.83
BG	Scrubland	3	Dry	7.82
BG	Grassland	3	Dry	13.5
BG	Grassland	3	Dry	8.26
BG	Grassland	3	Dry	11.3
BG	Pine-Oak	3	Dry	12.0
BG	Pine-Oak	3	Dry	14.0
BG	Pine-Oak	3	Dry	10.5
BG	Subalpine	3	Dry	9.74
BG	Subalpine	3	Dry	8.31
BG	Subalpine	3	Dry	16.0
BG	Desert	6	Dry	5.12
BG	Desert	6	Dry	7.35
BG	Desert	6	Dry	12.2
BG	Scrubland	6	Dry	10.6
BG	Scrubland	6	Dry	14.5
BG	Scrubland	6	Dry	9.33
BG	Grassland	6	Dry	12.2
BG	Grassland	6	Dry	14.8
BG	Grassland	6	Dry	12.5
BG	Pine-Oak	6	Dry	9.14
BG	Pine-Oak	6	Dry	7.39
BG	Pine-Oak	6	Dry	11.8

BG	Subalpine	6	Dry	18.6
BG	Subalpine	6	Dry	19.0
BG	Subalpine	6	Dry	14.9
BG	Desert	9	Dry	9.76
BG	Desert	9	Dry	7.50
BG	Scrubland	9	Dry	8.05
BG	Scrubland	9	Dry	4.86
BG	Scrubland	9	Dry	4.00
BG	Grassland	9	Dry	16.1
BG	Grassland	9	Dry	14.5
BG	Grassland	9	Dry	11.6
BG	Pine-Oak	9	Dry	1.37
BG	Pine-Oak	9	Dry	7.39
BG	Pine-Oak	9	Dry	12.8
BG	Subalpine	9	Dry	16.4
BG	Subalpine	9	Dry	13.4
BG	Subalpine	9	Dry	14.9
BX	Desert	3	Dry	3.93
BX	Desert	3	Dry	1.34
BX	Desert	3	Dry	2.24
BX	Scrubland	3	Dry	3.55
BX	Scrubland	3	Dry	3.03
BX	Scrubland	3	Dry	1.50
BX	Grassland	3	Dry	4.12
BX	Grassland	3	Dry	5.14
BX	Grassland	3	Dry	2.78
BX	Pine-Oak	3	Dry	7.17
BX	Pine-Oak	3	Dry	6.42
BX	Pine-Oak	3	Dry	3.33
BX	Subalpine	3	Dry	4.98
BX	Subalpine	3	Dry	4.08
BX	Subalpine	3	Dry	6.84
BX	Desert	6	Dry	2.51
BX	Desert	6	Dry	3.73
BX	Desert	6	Dry	6.42
BX	Scrubland	6	Dry	6.57
BX	Scrubland	6	Dry	4.50
BX	Scrubland	6	Dry	3.34
BX	Grassland	6	Dry	3.72
BX	Grassland	6	Dry	6.43

BX	Grassland	6	Dry	3.39
BX	Pine-Oak	6	Dry	3.04
BX	Pine-Oak	6	Dry	2.67
BX	Pine-Oak	6	Dry	4.33
BX	Subalpine	6	Dry	3.60
BX	Subalpine	6	Dry	7.47
BX	Subalpine	6	Dry	5.50
BX	Desert	9	Dry	2.79
BX	Desert	9	Dry	2.68
BX	Scrubland	9	Dry	6.78
BX	Scrubland	9	Dry	3.78
BX	Scrubland	9	Dry	2.19
BX	Grassland	9	Dry	4.61
BX	Grassland	9	Dry	4.60
BX	Grassland	9	Dry	3.50
BX	Pine-Oak	9	Dry	2.59
BX	Pine-Oak	9	Dry	2.90
BX	Pine-Oak	9	Dry	4.29
BX	Subalpine	9	Dry	7.97
BX	Subalpine	9	Dry	6.61
BX	Subalpine	9	Dry	5.24
CBH	Desert	3	Dry	2.49
CBH	Desert	3	Dry	2.15
CBH	Desert	3	Dry	4.10
CBH	Scrubland	3	Dry	2.16
CBH	Scrubland	3	Dry	2.96
CBH	Scrubland	3	Dry	1.50
CBH	Grassland	3	Dry	4.56
CBH	Grassland	3	Dry	6.54
CBH	Grassland	3	Dry	3.12
CBH	Pine-Oak	3	Dry	4.99
CBH	Pine-Oak	3	Dry	8.89
CBH	Pine-Oak	3	Dry	5.66
CBH	Subalpine	3	Dry	2.88
CBH	Subalpine	3	Dry	3.82
CBH	Subalpine	3	Dry	5.62
CBH	Desert	6	Dry	1.34
CBH	Desert	6	Dry	1.79
CBH	Desert	6	Dry	2.69
CBH	Scrubland	6	Dry	4.54

CBH	Scrubland	6	Dry	0.977
CBH	Scrubland	6	Dry	5.50
CBH	Grassland	6	Dry	4.19
CBH	Grassland	6	Dry	6.38
CBH	Grassland	6	Dry	4.03
CBH	Pine-Oak	6	Dry	3.90
CBH	Pine-Oak	6	Dry	2.27
CBH	Pine-Oak	6	Dry	3.86
CBH	Subalpine	6	Dry	2.72
CBH	Subalpine	6	Dry	9.23
CBH	Subalpine	6	Dry	7.93
CBH	Desert	9	Dry	4.61
CBH	Desert	9	Dry	5.46
CBH	Scrubland	9	Dry	2.99
CBH	Scrubland	9	Dry	2.37
CBH	Scrubland	9	Dry	1.40
CBH	Grassland	9	Dry	7.23
CBH	Grassland	9	Dry	5.26
CBH	Grassland	9	Dry	5.14
CBH	Pine-Oak	9	Dry	5.22
CBH	Pine-Oak	9	Dry	5.05
CBH	Pine-Oak	9	Dry	5.43
CBH	Subalpine	9	Dry	4.83
CBH	Subalpine	9	Dry	7.04
CBH	Subalpine	9	Dry	5.84
NAG	Desert	3	Dry	8.70
NAG	Desert	3	Dry	5.75
NAG	Desert	3	Dry	4.27
NAG	Scrubland	3	Dry	8.64
NAG	Scrubland	3	Dry	6.70
NAG	Scrubland	3	Dry	4.95
NAG	Grassland	3	Dry	7.96
NAG	Grassland	3	Dry	11.1
NAG	Grassland	3	Dry	4.82
NAG	Pine-Oak	3	Dry	7.04
NAG	Pine-Oak	3	Dry	7.48
NAG	Pine-Oak	3	Dry	9.97
NAG	Subalpine	3	Dry	7.02
NAG	Subalpine	3	Dry	7.36
NAG	Subalpine	3	Dry	6.60

NAG	Desert	6	Dry	4.90
NAG	Desert	6	Dry	5.23
NAG	Desert	6	Dry	6.26
NAG	Scrubland	6	Dry	14.9
NAG	Scrubland	6	Dry	7.50
NAG	Scrubland	6	Dry	10.0
NAG	Grassland	6	Dry	10.4
NAG	Grassland	6	Dry	8.80
NAG	Grassland	6	Dry	7.43
NAG	Pine-Oak	6	Dry	7.86
NAG	Pine-Oak	6	Dry	3.17
NAG	Pine-Oak	6	Dry	6.92
NAG	Subalpine	6	Dry	2.56
NAG	Subalpine	6	Dry	8.59
NAG	Subalpine	6	Dry	5.48
NAG	Desert	9	Dry	11.0
NAG	Desert	9	Dry	5.99
NAG	Scrubland	9	Dry	12.7
NAG	Scrubland	9	Dry	9.98
NAG	Scrubland	9	Dry	5.51
NAG	Grassland	9	Dry	10.2
NAG	Grassland	9	Dry	8.22
NAG	Grassland	9	Dry	9.64
NAG	Pine-Oak	9	Dry	7.71
NAG	Pine-Oak	9	Dry	9.18
NAG	Pine-Oak	9	Dry	12.2
NAG	Subalpine	9	Dry	5.88
NAG	Subalpine	9	Dry	6.59
NAH	Subalpine	9	Dry	7.35
LAP	Desert	3	Dry	4.36
LAP	Desert	3	Dry	2.98
LAP	Desert	3	Dry	2.71
LAP	Scrubland	3	Dry	3.07
LAP	Scrubland	3	Dry	3.60
LAP	Scrubland	3	Dry	2.05
LAP	Grassland	3	Dry	5.19
LAP	Grassland	3	Dry	4.38
LAP	Grassland	3	Dry	4.00
LAP	Pine-Oak	3	Dry	11.5
LAP	Pine-Oak	3	Dry	5.18

LAP	Pine-Oak	3	Dry	4.26
LAP	Subalpine	3	Dry	13.1
LAP	Subalpine	3	Dry	13.9
LAP	Subalpine	3	Dry	9.23
LAP	Desert	6	Dry	3.16
LAP	Desert	6	Dry	4.61
LAP	Desert	6	Dry	1.81
LAP	Scrubland	6	Dry	7.15
LAP	Scrubland	6	Dry	5.50
LAP	Scrubland	6	Dry	2.86
LAP	Grassland	6	Dry	4.58
LAP	Grassland	6	Dry	3.97
LAP	Grassland	6	Dry	2.36
LAP	Pine-Oak	6	Dry	6.67
LAP	Pine-Oak	6	Dry	5.27
LAP	Pine-Oak	6	Dry	6.17
LAP	Subalpine	6	Dry	9.08
LAP	Subalpine	6	Dry	6.01
LAP	Subalpine	6	Dry	8.38
LAP	Desert	9	Dry	3.86
LAP	Desert	9	Dry	2.30
LAP	Scrubland	9	Dry	5.11
LAP	Scrubland	9	Dry	5.11
LAP	Scrubland	9	Dry	3.02
LAP	Grassland	9	Dry	7.08
LAP	Grassland	9	Dry	5.20
LAP	Grassland	9	Dry	3.67
LAP	Pine-Oak	9	Dry	2.06
LAP	Pine-Oak	9	Dry	5.80
LAP	Pine-Oak	9	Dry	10.0
LAP	Subalpine	9	Dry	9.51
LAP	Subalpine	9	Dry	10.0
LAP	Subalpine	9	Dry	9.77

Dataset S4. Respiration rates for each microcosm in the experiment.

Community	Time	Moisture Exposure	Respiration Rate ($\mu\text{mol g}^{-1} \text{h}^{-1}$)
Control	1	Wet	2.00E-04
Control	1	Wet	5.89E-04
Control	1	Wet	1.16E-04
Desert	1	Wet	1.79E-02
Desert	1	Wet	1.87E-02
Desert	1	Wet	2.05E-02
Scrubland	1	Wet	1.93E-02
Scrubland	1	Wet	2.08E-02
Scrubland	1	Wet	2.02E-02
Grassland	1	Wet	2.33E-02
Grassland	1	Wet	2.30E-02
Grassland	1	Wet	2.20E-02
Pine-Oak	1	Wet	2.34E-02
Pine-Oak	1	Wet	2.16E-02
Pine-Oak	1	Wet	2.08E-02
Subalpine	1	Wet	1.92E-02
Subalpine	1	Wet	1.91E-02
Subalpine	1	Wet	1.31E-02
Desert	3	Wet	2.04E-02
Desert	3	Wet	1.77E-02
Desert	3	Wet	2.28E-02
Desert	6	Wet	1.33E-02
Desert	6	Wet	1.53E-02
Desert	6	Wet	1.71E-02
Desert	9	Wet	8.42E-03
Desert	9	Wet	1.62E-02
Desert	9	Wet	1.59E-02
Scrubland	3	Wet	1.67E-02
Scrubland	3	Wet	1.68E-02
Scrubland	3	Wet	1.91E-02
Scrubland	6	Wet	1.50E-02
Scrubland	6	Wet	1.49E-02
Scrubland	6	Wet	1.58E-02
Scrubland	9	Wet	1.56E-02
Scrubland	9	Wet	1.51E-02
Scrubland	9	Wet	1.66E-02

Grassland	3	Wet	9.46E-03
Grassland	3	Wet	1.81E-02
Grassland	3	Wet	1.89E-02
Grassland	6	Wet	1.50E-02
Grassland	6	Wet	1.58E-02
Grassland	6	Wet	1.69E-02
Grassland	9	Wet	1.58E-02
Grassland	9	Wet	1.62E-02
Grassland	9	Wet	1.72E-02
Pine-Oak	3	Wet	1.67E-02
Pine-Oak	3	Wet	1.80E-02
Pine-Oak	3	Wet	1.82E-02
Pine-Oak	6	Wet	1.53E-02
Pine-Oak	6	Wet	1.51E-02
Pine-Oak	6	Wet	1.45E-02
Pine-Oak	9	Wet	1.39E-02
Pine-Oak	9	Wet	1.55E-02
Pine-Oak	9	Wet	1.50E-02
Subalpine	3	Wet	1.70E-02
Subalpine	3	Wet	1.69E-02
Subalpine	3	Wet	1.91E-02
Subalpine	6	Wet	2.03E-03
Subalpine	6	Wet	1.43E-02
Subalpine	6	Wet	1.43E-02
Subalpine	9	Wet	1.33E-02
Subalpine	9	Wet	1.30E-02
Subalpine	9	Wet	1.20E-02
Desert	33	Dry	7.60E-04
Desert	3	Dry	8.33E-04
Desert	3	Dry	1.13E-03
Desert	6	Dry	6.83E-04
Desert	6	Dry	1.71E-03
Desert	6	Dry	7.39E-04
Desert	9	Dry	1.15E-03
Desert	9	Dry	8.43E-04
Desert	9	Dry	8.54E-04
Scrubland	3	Dry	9.79E-04
Scrubland	3	Dry	7.69E-04
Scrubland	3	Dry	9.26E-04
Scrubland	6	Dry	2.01E-03

Scrubland	6	Dry	1.73E-03
Scrubland	6	Dry	6.68E-04
Scrubland	9	Dry	1.02E-03
Scrubland	9	Dry	1.08E-03
Scrubland	9	Dry	9.26E-04
Grassland	3	Dry	1.12E-03
Grassland	3	Dry	7.52E-04
Grassland	3	Dry	7.85E-04
Grassland	6	Dry	8.13E-04
Grassland	6	Dry	8.49E-04
Grassland	6	Dry	8.32E-04
Grassland	9	Dry	7.69E-04
Grassland	9	Dry	6.99E-04
Grassland	9	Dry	8.99E-04
Pine-Oak	3	Dry	9.38E-04
Pine-Oak	3	Dry	8.09E-04
Pine-Oak	3	Dry	1.07E-03
Pine-Oak	6	Dry	1.26E-03
Pine-Oak	6	Dry	6.96E-04
Pine-Oak	6	Dry	7.36E-04
Pine-Oak	9	Dry	9.15E-04
Pine-Oak	9	Dry	8.16E-04
Pine-Oak	9	Dry	7.32E-04
Subalpine	3	Dry	7.68E-04
Subalpine	3	Dry	7.79E-04
Subalpine	3	Dry	7.89E-04
Subalpine	6	Dry	6.67E-04
Subalpine	6	Dry	6.99E-04
Subalpine	6	Dry	7.77E-04
Subalpine	9	Dry	8.29E-04
Subalpine	9	Dry	7.95E-04
Subalpine	9	Dry	7.45E-04
