Trait means by species

Morphological variables

species	log(SLA cm2 g-1)	leaf water content (%)	log(wood density g ml-1)	log(ht cm)	log(N %)
Abies concolor	3.46	0.51	-0.52	7.72	0.02
Abies grandis	3.58	0.49	-0.51	7.51	-0.31
Abies magnifica	3.87	0.62	-0.53	7.58	-0.14
Acacia farnesiana	NA	NA	NA	5.7	NA
Acer glabrum	5.07	0.69	-0.54	3.25	1.02
Adenostoma fasciculata	3.56	0.46	-0.31	5.33	0.29
Adenostoma sparsifolium	4.19	NA	NA	5.99	NA
Amelanchier utahensis	4.98	0.59	-0.47	3.79	0.73
Arbutus menziesii	4.36	0.6	-0.63	5.98	0.2
Arctostaphylos bakeri	3.64	0.5	-0.4	4.73	-0.04
Arctostaphylos canescens	3.82	0.52	-0.53	3.97	-0.12
Arctostaphylos columbiana	4.28	0.56	-0.51	5.33	0.08
Arctostaphylos glandulosus	3.5	0.49	-0.37	4.96	NA
Arctostaphylos glauca	3.79	0.54	-0.33	5.36	-0.2
Arctostaphylos manzanita	3.66	0.5	-0.25	5.15	-0.29
Arctostaphylos obispoensis	3.71	0.48	-0.47	5.55	-0.33
Arctostaphylos patula	3.78	0.56	-0.2	4.72	0.08

Arctostaphylos tomentosa	3.65	NA	NA	5.16	NA
Artemisia californica	4.52	0.6	-0.42	4.51	0.06
Berberis nervosa	4.33	0.5	-0.79	3.59	-0.12
Calocedrus decurrens	4.22	0.37	-0.59	7.16	-0.16
Calycanthus occidentalis	4.75	0.62	-0.65	5.27	0.46
Ceanothus cordulatus	4.57	0.55	-0.56	4.38	0.86
Ceanothus cuneatus	3.95	0.61	-0.48	4.74	0.8
Ceanothus divergens	3.34	0.36	-0.4	4.25	0.39
Ceanothus integerrimus	5.13	0.65	-0.42	5.27	1.01
Ceanothus jepsonii	3.57	0.41	0.16	4.54	0.41
Ceanothus leucodermis	3.9	0.56	-0.45	5.96	0.53
Ceanothus oliganthus	4.22	0.51	-0.72	6.12	0.63
Ceanothus prostratus	3.77	0.59	-0.55	1.84	0.44
Ceanothus pumilus	4.02	0.63	NA	2.07	0.59
Ceanothus thyrsiflorus	4.49	0.64	-0.52	5.46	0.68
Cercis occidentalis	5.04	0.63	-0.55	4.77	0.6
Chamaebatia foliosa	4.27	0.5	-0.48	3.41	0.52
Chrysolepis chrysophylla	4.17	0.51	-0.6	6.55	-0.15
Chrysolepis sempervirens	4.1	0.56	-0.73	4.73	0.16
Cornus nuttallii	5.36	0.74	-0.55	6.16	0.54
Corylus cornuta	6.01	0.72	-0.82	5.08	1.18
Cotoneaster lacteus	NA	NA	NA	6.21	NA
Cupressus lawsoniana	4.24	0.3	-0.64	7.56	0.03

Cupressus sargentii	4.44	0.31	-0.59	1.85	-0.08
Dendromecon rigida	4.03	0.63	-0.63	4.72	0.43
Ericameria linearifolia	3.87	0.45	-0.49	3.82	0.26
Ericameria ophitidis	4.06	0.59	-0.89	1.96	0.36
Eriodictyon californicum	3.86	0.59	NA	4.65	0.25
Fraxinus dipetala	4.08	0.5	-0.12	1.3	-0.16
Garrya buxifolia	3.57	0.47	NA	4.63	0.22
Garrya elliptica	3.6	0.4	-0.15	5.2	NA
Garrya flavescens	3.67	0.48	-0.44	5.4	NA
Garrya fremontii	3.79	0.48	-0.32	4.53	0.22
Genista monspessulana	5.62	0.73	0.21	5.2	1.21
Juniperus californicus	3.57	0.13	-0.04	5.92	NA
Juniperus communis	NA	NA	NA	4.61	NA
Juniperus occidentalis	3.1	0.12	-0.32	6.7	0.48
Keckiella breviflora	4.87	0.62	-0.79	4.67	0.19
Keckiella cordifolia	NA	NA	NA	5.7	NA
Lithocarpus densiflorus	4.15	0.5	0.36	1.96	0.04
Malosma laurina	4.2	NA	NA	5.99	NA
Mimulus aurantiacus	4.76	0.67	NA	4.33	0.35
Oemleria cerasiformis	5.1	0.7	-0.46	4.81	0.71
Philadelphus lewisii	6.3	0.84	-0.03	0.54	1.14
Physocarpus alternans	NA	NA	NA	4.61	NA
Pinus attenuata	4.41	0.53	-0.59	6.44	0.23

Pinus contorta	NA	NA	NA	7.5	NA
Pinus jeffreyi	3.46	0.52	-0.54	6.79	0.03
Pinus lambertiana	3.99	0.51	-0.47	8.85	-0.12
Pinus monticola	3.9	0.5	-0.56	6.54	-0.04
Pinus radiata	3.96	0.66	-0.6	7.11	0.18
Pinus sabiniana	3.52	0.52	-0.56	2.54	0.18
Prunus emarginata	4.89	0.61	-0.5	5.22	0.9
Prunus illicifolia	4.03	0.54	-0.5	5.69	0.48
Prunus subcordatus	5.15	NA	NA	6.68	NA
Pseudotsuga macrocarpa	3.97	0.57	-0.45	3.03	0.08
Purshia tridentata	4.45	0.5	-0.48	3.22	0.61
Quercus agrifolia	4.1	0.47	-0.27	6.84	0.52
Quercus berberidifolia	4.31	0.46	-0.24	5.5	0.33
Quercus chrysolepis	4.18	0.5	-0.19	6.71	NA
Quercus durata	3.83	0.38	-0.41	5.06	0.22
Quercus john-tuckeri	4.19	0.51	-0.22	5.53	0.7
Quercus kelloggii	4.96	0.56	-0.46	7.37	0.79
Quercus lobata	4.76	0.56	-0.51	8.16	0.74
Quercus pacifica	NA	NA	NA	5.3	NA
Quercus palmeri	3.63	NA	NA	5.99	NA
Quercus vaccinifolia	4.05	0.47	-0.36	4.38	0.17
Rhamnus californica	4.63	0.57	-0.49	1.42	0.46
Rhamnus crocea	4.69	0.55	-0.37	4.31	0.8

Rhamnus ilicifolia	4.45	0.53	-0.18	5.22	0.48
Rhamnus rubra	4.86	0.64	NA	5.18	NA
Rhamnus tomentella	4.15	0.66	-0.68	4.26	0.44
Rhododendron macrophyllum	4.59	0.69	0.42	4.69	-0.05
Rhus integrifolia	3.83	NA	NA	6.11	NA
Rhus ovata	3.91	0.6	-0.77	5.27	0.77
Rhus trilobata	4.96	0.59	-0.79	4.48	0.41
Ribes lobbii	5.82	0.78	-0.63	4.39	1.15
Ribes roezlii	4.94	0.68	-0.56	3.87	0.55
Ribes speciosum	NA	NA	NA	5.3	NA
Robinia pseudoacacia	4.22	0.17	-0.53	6.85	1.14
Sambucus mexicana	5.3	0.76	-0.84	5.87	1.04
Sequoia sempervirens	4.24	0.64	-0.74	7.72	-0.2
Sorbus californica	NA	NA	NA	5.01	NA
Spiraea densiflora	5.17	0.57	-0.51	3.5	0.64
Symphoricarpos rotundifolius	4.97	0.62	-0.61	3.67	0.81
Taxus brevifolia	NA	NA	NA	7.5	NA
Torreya californica	3.77	0.53	-0.78	5.63	0.37
Toxicodendron diversilobum	5.5	0.68	-0.7	4.52	NA
Tsuga mertensiana	3.53	0.5	-0.47	7.53	-0.36
Whipplea modesta	5.47	0.72	NA	2.03	0.63

Macroecological variables

species	annual temp. (C*10)	temp. seasonality (st. dev. * 100)	annual ppt. (mm)	ppt. seasonality (cv)
Abies concolor	92.59	6874.58	608.57	49.35
Abies grandis	88.55	5139.14	917.31	23.31
Abies magnifica	104.61	6369.78	808.87	71.37
Acacia farnesiana	221.45	3001.51	1011.97	82.78
Acer glabrum	66.92	7550.74	574.05	40.87
Adenostoma fasciculata	146.31	5227.62	621.78	84.12
Adenostoma sparsifolium	146.52	4723.07	484.22	83.67
Amelanchier utahensis	83.26	7594.61	449.76	39.05
Arbutus menziesii	115.22	4890.67	1094.77	73.02
Arctostaphylos bakeri	132	3613.33	1120.17	90.17
Arctostaphylos canescens	100.54	4931.79	1308.48	76.69
Arctostaphylos columbiana	98.78	4497.91	1608.71	68.2
Arctostaphylos glandulosus	137.09	5011.3	737.93	82.81
Arctostaphylos glauca	147.88	4975.03	410.14	77.64
Arctostaphylos manzanita	119.43	5475.38	989.59	81.11
Arctostaphylos obispoensis	136.83	3709	498.33	89.67
Arctostaphylos patula	81.57	6622.15	783.93	53.29
Arctostaphylos tomentosa	120.25	3809.25	830	80.58

Artemisia californica	150.85	4208.49	500.72	87.6
Berberis nervosa	85.97	5303.44	1385.72	64.84
Calocedrus decurrens	104.25	5688.79	916.63	64.86
Calycanthus occidentalis	133.43	5882.98	1008.63	79.35
Ceanothus cordulatus	89.22	5916.45	979.16	73.42
Ceanothus cuneatus	128.89	5373.47	840.64	79.21
Ceanothus divergens	136.5	4386.67	925	89
Ceanothus integerrimus	116.02	5921.05	918.56	72.7
Ceanothus jepsonii	127.35	4570.15	981.4	86.1
Ceanothus leucodermis	141.71	5603.47	529.03	82.59
Ceanothus oliganthus	153.16	4405.63	435.58	86.37
Ceanothus prostratus	80.9	6163.08	909.7	63.27
Ceanothus pumilus	94	4844.17	1465.6	74.92
Ceanothus thyrsiflorus	123.38	3691.07	1130.85	80.16
Cercis occidentalis	137.97	6742.31	635.94	68.04
Chamaebatia foliosa	121.31	6260.03	949.92	78.67
Chrysolepis chrysophylla	104.25	4921.9	1215	70
Chrysolepis sempervirens	81.44	6219.57	871.33	69.37
Cornus nuttallii	106.14	5529.66	1184.85	69.59
Corylus cornuta	87.3	8707.66	1001.41	30.41
Cotoneaster lacteus	108.88	4624.86	876	27.81
Cupressus lawsoniana	107.94	5497.19	1332.06	69.88
Cupressus sargentii	127.97	4365.68	870.12	86.8

Dendromecon rigida	141.5	5030.85	691.81	85.46
Ericameria linearifolia	151.63	6665.78	360.25	66.5
Ericameria ophitidis	96.18	5904.09	1170.82	76.18
Eriodictyon californicum	128.82	5523.46	998.6	80.7
Fraxinus dipetala	146.51	5450.45	608.06	83.57
Garrya buxifolia	92.62	5066.57	1423.16	74.51
Garrya elliptica	118.38	3908.06	1030.66	64.33
Garrya flavescens	134.08	6488.15	475.72	63.2
Garrya fremontii	98.1	5641.55	1148.49	72.87
Genista monspessulana	134.47	4255.51	931.01	43.71
Juniperus californicus	154.85	5954.79	380.21	70.83
Juniperus communis	35.42	7282.74	847.01	30.06
Juniperus occidentalis	79.45	6782.62	518.74	47.36
Keckiella breviflora	127.15	6142.31	619.32	77.39
Keckiella cordifolia	155.12	4601.82	418.51	85.82
Lithocarpus densiflorus	120.35	4607.56	1029.96	82.77
Malosma laurina	161.07	4403.28	444.52	88.62
Mimulus aurantiacus	146.26	4998.2	551.87	85.31
Oemleria cerasiformis	111.28	4860.24	1217.7	70.54
Philadelphus lewisii	87.69	6806.66	782.11	50.69
Physocarpus alternans	77.54	8569.3	295.46	22.96
Pinus attenuata	117.84	5089.63	1004.84	79.3
Pinus contorta	66.11	5778.42	954.87	29.54

Pinus jeffreyi	108.86	5702.6	917.47	71.84
Pinus lambertiana	106.99	5729.32	943.95	71.74
Pinus monticola	73.54	5986.22	1203.05	58.13
Pinus radiata	112.16	3961.6	1100.72	28.13
Pinus sabiniana	137.82	5669.47	704.08	81.89
Prunus emarginata	87.56	6296.46	847.68	59.85
Prunus illicifolia	155.23	4518.08	422.43	84.29
Prunus subcordatus	114.38	5904.84	839.22	72.92
Pseudotsuga macrocarpa	162.4	5115.2	375.2	78.8
Purshia tridentata	72.84	7735.93	430.32	36.26
Quercus agrifolia	146.77	4496.91	539.04	85.9
Quercus berberidifolia	142.11	5353.95	695.26	85.53
Quercus chrysolepis	120.61	5616.52	830.24	74.58
Quercus durata	133.77	5187.15	819.44	85.57
Quercus john-tuckeri	139.84	5435.72	466.12	86.2
Quercus kelloggii	120.46	5628.36	852.33	78.09
Quercus lobata	142.28	5274.28	679.1	85.09
Quercus pacifica	156.75	2689	332.75	93
Quercus palmeri	139.74	6605	439.18	59.82
Quercus vaccinifolia	83.74	4995.11	1415.24	73.92
Rhamnus californica	133.24	5430.07	721.52	75.95
Rhamnus crocea	153.42	5203.86	508.47	77.8
Rhamnus ilicifolia	148.31	5731.99	561.11	78.47

Rhamnus rubra	95.73	6256.73	917.42	72.96
Rhamnus tomentella	134.87	6048.39	505.09	73.26
Rhododendron macrophyllum	92.51	4686.08	1530.74	66.63
Rhus integrifolia	165.11	3925.22	356.13	87.36
Rhus ovata	156.19	6092.41	421.41	63.95
Rhus trilobata	107.22	7966.81	445.13	56.03
Ribes lobbii	80.2	5656.31	1254.54	66.32
Ribes roezlii	101.88	6046.19	902.9	74.88
Ribes speciosum	150.5	3744.38	453.64	90.5
Robinia pseudoacacia	97.46	7156.76	829.7	21.44
Sambucus mexicana	144.43	4398.43	1031.92	74.09
Sequoia sempervirens	105.82	4517.17	898.43	35.81
Sorbus californica	74.34	6090.73	949.23	68.07
Spiraea densiflora	52.33	6047.62	1362.83	62.14
Symphoricarpos rotundifolius	75.85	7371.79	473.01	44.71
Taxus brevifolia	86.16	5905.35	1217.99	58.27
Torreya californica	131.12	5208.82	919.59	84.21
Toxicodendron diversilobum	120.11	5239.32	986.63	73.06
Tsuga mertensiana	55.68	6202.17	1241.6	54.97
Whipplea modesta	101.4	5005.31	1331.07	72