Table. Heights over time of northern and southern shrubs in the common garden.

| | Species | Estimate | Error | Lower 95% CI | Upper 95% CI | Rhat | Bulk effective sample size | Tail effective sample size | Effect | Sample size |
|---|---|---|---|---|---|---|---|---|---|---|
| Intercept | Salix richardsonii | 1.49 | 0.17 | 1.16 | 1.82 | 1.00 | 1471.37 | 3232.89 | fixed | 486 |
| Sample age | Salix richardsonii | 0.09 | 0.03 | 0.03 | 0.15 | 1.00 | 1848.20 | 4434.81 | fixed | 486 |
| Southern population | Salix richardsonii | 0.91 | 0.24 | 0.44 | 1.39 | 1.00 | 1353.05 | 2550.11 | fixed | 486 |
| Sample age:Southern population | Salix richardsonii | 0.16 | 0.04 | 0.08 | 0.24 | 1.00 | 1674.95 | 3527.87 | fixed | 486 |
| Random intercept | Salix richardsonii | 1.16 | 0.09 | 1.00 | 1.36 | 1.00 | 2687.85 | 4983.03 | random | 486 |
| sd(Sample age) | Salix richardsonii | 0.17 | 0.02 | 0.13 | 0.20 | 1.00 | 2524.33 | 5137.81 | random | 486 |
| cor(Intercept, Sample age) | Salix richardsonii | -0.89 | 0.03 | -0.95 | -0.82 | 1.00 | 3101.46 | 5112.15 | random | 486 |
| sigma | Salix richardsonii | 0.34 | 0.02 | 0.31 | 0.37 | 1.00 | 4177.38 | 5345.22 | residual | 486 |
| Intercept | Salix pulchra | 1.99 | 0.12 | 1.75 | 2.23 | 1.00 | 2706.53 | 5689.52 | fixed | 673 |
| Sample age | Salix pulchra | -0.02 | 0.02 | -0.06 | 0.02 | 1.00 | 3907.93 | 6295.71 | fixed | 673 |
| Southern population | Salix pulchra | 0.96 | 0.17 | 0.62 | 1.30 | 1.00 | 2431.25 | 4498.80 | fixed | 673 |
| Sample age:Southern population | Salix pulchra | 0.03 | 0.03 | -0.03 | 0.08 | 1.00 | 3334.24 | 6006.82 | fixed | 673 |
| Random intercept | Salix pulchra | 0.93 | 0.07 | 0.81 | 1.07 | 1.00 | 3433.41 | 6266.63 | random | 673 |
| sd(Sample age) | Salix pulchra | 0.12 | 0.01 | 0.10 | 0.15 | 1.00 | 2503.65 | 4533.02 | random | 673 |
| cor(Intercept, Sample age) | Salix pulchra | -0.74 | 0.06 | -0.84 | -0.62 | 1.00 | 4606.33 | 7183.61 | random | 673 |
| sigma | Salix pulchra | 0.35 | 0.01 | 0.32 | 0.37 | 1.00 | 6448.67 | 8072.16 | residual | 673 |
| Intercept | Salix arctica | 0.86 | 0.15 | 0.56 | 1.15 | 1.00 | 4296.97 | 5619.74 | fixed | 186 |
| Sample age | Salix arctica | 0.08 | 0.03 | 0.02 | 0.14 | 1.00 | 5217.97 | 6762.87 | fixed | 186 |
| Southern population | Salix arctica | -0.28 | 0.20 | -0.67 | 0.13 | 1.00 | 4194.09 | 5781.29 | fixed | 186 |
| Sample age:Southern population | Salix arctica | 0.11 | 0.04 | 0.02 | 0.19 | 1.00 | 5226.44 | 6296.29 | fixed | 186 |
| Random intercept | Salix arctica | 0.47 | 0.12 | 0.26 | 0.72 | 1.00 | 1928.36 | 4488.76 | random | 186 |
| sd(Sample age) | Salix arctica | 0.05 | 0.03 | 0.00 | 0.12 | 1.00 | 1579.62 | 3356.84 | random | 186 |
| cor(Intercept, Sample age) | Salix arctica | -0.69 | 0.37 | -0.99 | 0.51 | 1.00 | 3990.10 | 4422.24 | random | 186 |
| sigma | Salix arctica | 0.41 | 0.03 | 0.36 | 0.47 | 1.00 | 3438.25 | 5660.16 | residual | 186 |