

Supplementary Materials

Table S1 Analysis of variance of component biomass by stand age and species variety.

Dependent variable	Source of variation	III Type sum of square	Degree of freedom	Mean square	<i>F</i>	Significance
Stem biomass (kg)	Stand age	65040.039	4	16260.010	956.151	$p < 0.001$
	Species	105.481	1	105.481	6.203	$p < 0.05$
	Stand age $\times$ Species	2414.302	4	603.576	35.493	$p < 0.001$
Bark biomass (kg)	Stand age	361.680	4	90.420	422.809	$p < 0.001$
	Species	0.370	1	0.370	1.730	0.194
	Stand age $\times$ Species	3.325	4	0.831	3.887	$p < 0.05$
Branch biomass (kg)	Stand age	228.428	4	57.107	89.919	$p < 0.001$
	Species	0.849	1	0.849	1.337	0.253
	Stand age $\times$ Species	3.236	4	0.809	1.274	0.293
Leaf biomass (kg)	Stand age	12.601	4	3.150	33.853	$p < 0.001$
	Species	1.378	1	1.378	14.805	$p < 0.05$
	Stand age $\times$ Species	0.189	4	0.047	0.508	0.730
Root biomass(kg)	Stand age	4822.641	4	1205.660	183.281	$p < 0.001$
	Species	0.014	1	0.014	0.002	0.963
	Stand age $\times$ Species	187.322	4	46.830	7.119	$p < 0.001$
Total biomass (kg)	Stand age	125686.173	4	31421.543	795.090	$p < 0.001$
	Species	57.424	1	57.424	1.453	0.234
	Stand age $\times$ Species	4183.345	4	1045.836	26.464	$p < 0.001$
Aboveground biomass (kg)	Stand age	83268.673	4	20817.168	1014.731	$p < 0.001$
	Species	57.259	1	57.259	2.791	0.101
	Stand age $\times$ Species	2759.184	4	689.796	33.624	$p < 0.001$

Table S2 Stand age classes and species classes affects the component biomass. Note: Different lowercase letters indicate significant differences ($P < 0.05$). ET is *E. urophylla* × *E. tereticornis*, EG is *E. urophylla* × *E. grandis*.

Factors		Stem biomass (kg)	Bark biomass (kg)	Branch biomass (kg)	Leaf biomass (kg)	Root biomass (kg)	Total biomass (kg)	Crown biomass (kg)	Aboveground biomass (kg)
Stand age classes									
	1 y	2.915 ± 0.763 e	0.625 ± 0.159 d	0.612 ± 0.178 e	0.345 ± 0.240 e	1.411 ± 0.197 e	5.909 ± 0.834 e	0.957 ± 0.390 d	4.497 ± 0.725 e
	3 y	13.393 ± 2.734 d	2.557 ± 0.254 c	3.052 ± 0.675 d	1.042 ± 0.290 c	3.946 ± 0.787 d	23.989 ± 3.591 d	4.094 ± 0.916 c	20.043 ± 3.306 d
	5 y	52.750 ± 9.993 c	6.719 ± 0.682 a	3.745 ± 1.101 c	1.354 ± 0.476 b	9.829 ± 2.766 c	74.398 ± 13.619 c	5.099 ± 1.358 b	64.569 ± 11.146 c
	7 y	76.804 ± 10.743 b	5.562 ± 0.586 b	4.440 ± 0.692 b	0.752 ± 0.144 d	16.902 ± 4.586 b	104.209 ± 15.509 b	5.192 ± 0.759 b	87.557 ± 11.205 b
	8 y	84.808 ± 9.112 a	6.804 ± 0.639 a	6.620 ± 1.039 a	1.662 ± 0.419 a	26.030 ± 4.194 a	125.759 ± 11.206 a	8.282 ± 1.283 a	99.895 ± 9.384 a
Species classes									
EG	1 y	2.235 ± 0.183 b	0.485 ± 0.082 b	0.696 ± 0.191	0.542 ± 0.180 a	1.373 ± 0.176	5.331 ± 0.552 b	1.238 ± 0.355 a	3.958 ± 0.495 b
ET		3.595 ± 0.372 a	0.766 ± 0.04 a	0.527 ± 0.127	0.149 ± 0.04 b	1.449 ± 0.226	6.486 ± 0.652 a	0.676 ± 0.136 b	5.037 ± 0.463 a
EG	3 y	14.942 ± 3.248 a	2.677 ± 0.316	3.308 ± 0.817	1.265 ± 0.247 a	4.232 ± 0.878	26.424 ± 3.639 a	4.573 ± 1.058	22.192 ± 3.532 a
ET		11.843 ± 0.360 b	2.437 ± 0.086	2.796 ± 0.422	0.819 ± 0.068 b	3.659 ± 0.627	21.554 ± 0.948 b	3.615 ± 0.418	17.895 ± 0.703 b
EG	5 y	61.386 ± 5.583 a	7.205 ± 0.574 a	4.218 ± 1.276	1.518 ± 0.481	12.262 ± 1.510 a	86.588 ± 6.269 a	5.736 ± 1.595	74.326 ± 5.822 a
ET		44.114 ± 3.091 b	6.234 ± 0.359 b	3.273 ± 0.710	1.190 ± 0.451	7.397 ± 0.585 b	62.208 ± 3.476 b	4.463 ± 0.737	54.811 ± 3.301 b
EG	7 y	67.647 ± 4.020 b	5.392 ± 0.687	4.433 ± 0.793	0.833 ± 0.151 a	13.837 ± 2.74 b	91.642 ± 8.143 b	5.267 ± 0.881	78.306 ± 5.180 b
ET		85.961 ± 6.044 a	5.731 ± 0.464	4.446 ± 0.652	0.670 ± 0.081 b	19.968 ± 4.027 a	116.776 ± 9.156 a	5.117 ± 0.690	96.809 ± 6.631 a
EG	8 y	77.830 ± 6.013 b	6.902 ± 0.768	6.409 ± 0.676	1.754 ± 0.481	26.491 ± 3.135	119.386 ± 7.811 b	8.163 ± 0.955	92.895 ± 5.671 b
ET		91.787 ± 5.443 a	6.706 ± 0.535	6.832 ± 1.346	1.570 ± 0.368	25.569 ± 5.325	132.131 ± 10.853 a	8.401 ± 1.635	106.895 ± 6.631 a

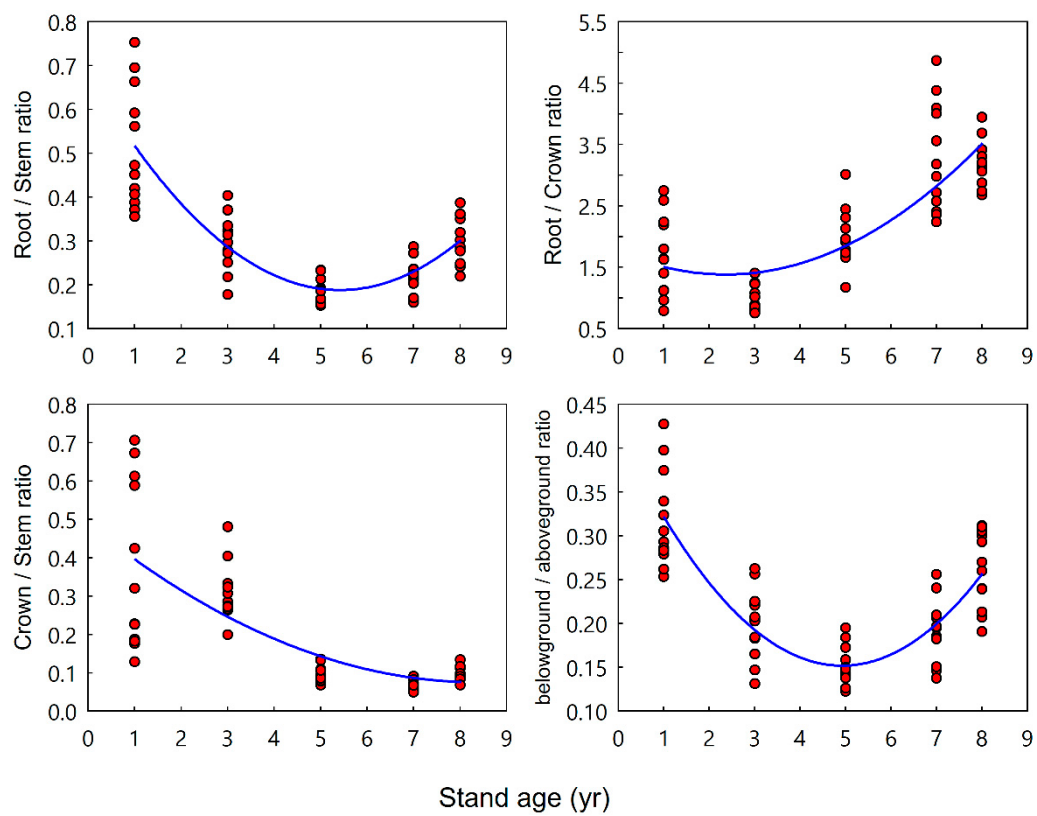


Figure S1 Changes of component biomass ratios across stand age