

Supplementary Table 1. Growth characteristics of 36 provenances of *Pinus densiflora* at 10 test sites.

Test site Provenance	Kyungju		Gongju		Naju		Bongwha		Jungsun		Jeju		Jinju		Chungju		Taeon		Hwasung	
	Ht ²	DBH ³	Ht	DBH	Ht	DBH	Ht	DBH	Ht	DBH	Ht	DBH	Ht	DBH	Ht	DBH	Ht	DBH	Ht	DBH
Kyungju	4.9	8.0	9.1	14.3	6.6	16.9	8.0	13.5	8.2	12.6	6.6	14.0	6.6	13.8	8.5	10.6	4.5	11.6	6.1	14.0
Koryung	5.8	10.1	9.4	14.2	6.0	16.0	8.3	14.3	7.8	11.9	7.1	18.5	6.8	13.6	8.4	12.1	4.5	11.8	6.1	13.8
Koksung	4.6	6.6	9.2	14.5	6.8	15.2	7.8	13.8	8.4	12.8	7.4	16.8	7.5	14.9	8.3	10.4	4.9	10.6	6.5	14.4
Naju	4.9	7.4	9.0	12.2	6.1	17.1	7.7	13.7	7.8	11.0	6.8	14.7	6.9	12.9	9.1	11.3	5.0	10.2	6.4	12.6
Munkyeong	5.4	8.5	9.5	15.9	6.9	18.3	8.0	14.9	8.1	14.2	7.1	16.7	6.9	13.0	8.8	11.8	5.1	11.5	6.7	15.1
Milyang	4.9	7.6	9.9	15.6	5.9	11.9	8.2	14.7	8.0	11.8	6.8	15.1	7.6	13.4	8.9	11.5	4.9	13.0	5.8	14.5
Boeun	5.0	8.4	9.3	13.4	6.7	12.9	7.5	11.9	7.8	11.8	7.2	15.3	7.2	13.6	9.0	10.3	4.5	10.7	6.4	13.8
Bongwha	5.4	8.5	9.6	16.1	5.7	16.7	8.3	15.2	8.5	11.3	7.1	16.9	7.6	13.1	9.6	13.6	4.8	11.9	6.9	15.7
Buan	5.0	7.3	9.8	16.0	7.7	19.6	8.5	15.0	8.3	12.1	7.0	16.4	7.5	14.1	8.5	10.9	5.4	12.2	6.6	14.1
Samchuk	5.0	7.8	10.2	16.7	5.0	20.5	7.9	14.9	8.1	12.4	7.3	16.0	7.4	12.0	9.1	12.3	4.5	9.2	6.7	13.7
Seoguiipo	5.7	7.5	10.1	15.4	7.1	17.4	8.2	14.4	8.5	12.0	7.2	17.5	8.3	12.9	9.1	11.7	5.1	10.0	7.4	14.4
Sunsan	4.7	7.3	9.9	14.8	6.6	16.2	7.8	14.3	8.4	12.4	7.0	15.5	7.0	13.3	7.9	11.6	4.8	10.5	6.2	14.5
Andong	4.9	7.8	9.5	14.1	7.0	17.9	8.3	14.2	8.0	11.9	6.8	17.0	7.3	13.3	8.5	10.3	4.1	10.4	6.1	14.5
Yeonchun	5.3	8.7	9.3	17.5	6.9	16.6	7.4	13.4	7.6	10.9	6.5	12.1	7.2	12.9	8.7	11.2	4.5	11.5	5.9	12.3
Youngwol	5.4	9.3	9.6	15.3	7.1	18.4	7.8	14.0	8.1	13.7	7.3	17.5	7.1	11.7	8.7	11.9	5.0	10.2	6.1	15.2
Youngil	4.7	7.6	9.4	14.9	6.5	16.8	7.5	13.5	7.9	11.8	7.1	16.2	7.1	13.7	8.3	10.8	4.8	12.2	6.6	14.5
Youngchun	4.6	7.3	9.2	12.0	6.7	16.5	7.6	14.6	7.7	10.8	7.0	16.2	7.4	13.2	8.4	11.7	4.9	12.6	6.5	14.5
Wanju	5.4	9.3	9.3	14.5	5.7	15.0	7.5	13.5	7.8	12.0	7.0	16.9	6.8	14.1	8.3	10.8	4.9	10.5	6.3	14.9
Uljin-seo	5.0	8.0	9.8	15.7	7.0	16.3	8.0	14.1	8.6	13.8	7.1	17.4	7.6	13.9	9.7	12.9	4.7	12.4	7.1	14.9
Uljin-on	4.2	6.2	9.8	14.4	5.9	15.5	7.2	12.7	7.7	11.2	6.7	14.8	6.3	13.9	8.9	12.5	5.2	11.0	5.9	13.7
Ichun	4.6	7.3	9.8	17.1	6.6	13.2	7.4	12.9	7.7	10.4	6.7	13.2	7.2	13.4	8.6	11.8	4.5	10.1	5.8	14.0
Inje	5.2	8.6	9.9	16.2	7.1	15.0	8.2	15.2	8.1	13.3	6.9	14.8	8.2	13.2	9.4	13.0	4.9	10.9	6.5	14.7
Jungsun	4.7	6.9	10.1	16.7	6.3	15.6	8.9	15.6	8.3	13.1	7.1	17.2	7.7	12.1	9.4	12.6	5.5	11.0	7.0	14.1
Jungju	5.2	8.6	9.5	15.2	6.7	16.0	7.7	13.0	7.5	11.0	6.8	16.0	7.1	12.4	8.4	12.0	4.9	10.3	6.5	14.5
Joongwon	5.5	8.3	9.4	14.3	7.4	15.3	7.7	14.0	7.8	11.9	6.8	13.6	6.7	11.9	8.4	10.8	4.9	11.3	6.1	13.7
Jinan	4.9	7.0	9.5	15.5	6.7	20.4	7.6	14.0	8.3	12.0	7.0	15.5	7.3	12.0	8.3	12.0	4.4	10.2	6.1	14.4
Chunan	4.4	5.8	9.0	12.4	6.0	13.9	7.6	13.6	7.6	10.4	6.5	12.0	6.7	10.4	7.9	10.4	4.8	10.1	5.9	12.0
Chungyang	5.7	8.5	9.7	14.2	6.5	16.0	7.7	12.9	7.5	10.9	6.8	15.7	7.2	12.8	8.6	11.2	4.6	13.3	6.3	14.0
Taeon	5.2	7.9	10.1	17.8	7.3	11.5	8.3	14.6	8.5	12.1	7.2	19.2	8.1	13.7	9.4	13.8	5.6	12.8	6.7	15.2
Hadong	4.8	7.7	9.6	15.2	7.2	14.2	8.0	14.0	7.9	11.0	7.1	16.9	6.9	15.3	8.7	11.3	5.0	13.1	6.4	13.6
Haman	5.4	8.5	9.2	14.0	6.1	16.8	7.6	13.9	8.5	12.7	7.2	16.9	7.6	13.3	8.3	11.2	5.2	11.7	5.9	13.4
Hamyang	4.9	7.4	9.6	13.5	5.8	12.9	7.1	14.0	7.7	12.2	7.0	14.9	7.9	15.5	8.1	11.7	5.1	11.9	6.3	13.4
Haenam	5.1	8.3	9.4	14.3	5.6	13.7	8.4	13.6	7.7	11.6	7.2	16.9	7.6	12.7	8.8	11.6	4.8	11.7	6.8	15.3
Hongchun	5.4	8.1	9.9	15.5	5.7	14.6	8.2	14.7	8.5	13.3	7.1	15.9	7.5	12.6	9.7	13.5	5.2	12.0	7.1	15.0
Whachun	4.9	7.7	9.6	15.0	6.5	14.5	8.5	15.2	8.1	13.4	7.1	16.3	7.4	13.8	8.8	13.2	5.2	11.1	5.9	14.4
Heungsung	5.2	8.5	9.2	12.1	5.7	15.2	8.4	16.1	8.2	13.0	7.2	17.5	7.5	12.7	8.5	12.1	4.3	11.3	6.5	14.9
Mean	5.1	7.9	9.6	14.9	6.5	15.8	7.9	14.1	8.0	12.1	7.0	15.9	7.3	13.2	8.7	11.7	4.9	11.3	6.4	14.2

²Ht: tree height (m); ³DBH: diameter at breast height (cm).