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附录 III 阔叶红松林中白桦、紫椴、五角枫大树的柄叶性状在 3 个冠层位置的标准主轴分析结果

Supplement III Results of standardized major axis analysis (SMA) on lamina and petiole traits of large tree (*Betula platyphylla*, *Tilia amurensis* and *Acer pictum* subsp. *mono*) in three canopy positions in a broadleaved Korean pine forest

树种 Species	y	x	冠层位置 Canopy position	斜率 Slope	截距 Intercept	R ²	共同斜率检验 Common slope test (p)	截距检验 Intercept difference test (p)	斜率异质性 Heterogeneity of slopes (p)
白桦 <i>Betula platyphylla</i>	LA	PL	上层 Upper	0.940	0.766	0.180	0.820	0.684	<0.001
			中层 Middle	0.940	0.764	0.237			
			下层 Lower	0.940	0.781	0.030			
	LA	PDM	上层 Upper	0.614	2.306	0.270	0.232	0.087	<0.001
			中层 Middle	0.614	2.311	0.386			
			下层 Lower	0.614	2.342	0.211			
	LDM	PL	上层 Upper	0.986	-1.089	0.037	0.655	0.148	0.054
			中层 Middle	0.986	-1.116	0.274			
			下层 Lower	0.986	-1.132	0.088			
	LDM	PDM	上层 Upper	0.642	0.523	0.206	0.539	0.420	<0.001
			中层 Middle	0.642	0.505	0.588			
			下层 Lower	0.642	0.504	0.365			
紫椴 <i>Tilia amurensis</i>	LA	PL	上层 Upper	2.095	-0.105	0.023	0.168	0.096	0.132
			中层 Middle	2.095	-0.066	0.125			
			下层 Lower	2.095	-0.056	0.079			
	LA	PDM	上层 Upper	0.871	2.670	0.208	0.535	<0.0001	<0.001
			中层 Middle	0.871	2.742	0.212			
			下层 Lower	0.871	2.764	0.249			
	LDM	PL	上层 Upper	2.345	-2.187	0.057	0.392	0.281	0.017
			中层 Middle	2.345	-2.221	0.263			
			下层 Lower	2.345	-2.220	0.197			
	LDM	PDM	上层 Upper	0.959	0.892	0.718	0.253	0.435	<0.001
			中层 Middle	0.959	0.894	0.534			
			下层 Lower	0.959	0.909	0.568			
五角枫 <i>Acer pictum</i> subsp. <i>mono</i>	LA	PL	上层 Upper	1.048	0.294	0.466	0.900	0.346	<0.001
			中层 Middle	1.048	0.321	0.222			
			下层 Lower	1.048	0.311	0.494			
	LA	PDM	上层 Upper	0.659	2.251	0.631	0.770	0.007	<0.001
			中层 Middle	0.659	2.284	0.600			
			下层 Lower	0.659	2.293	0.708			
	LDM	PL	上层 Upper	1.768	-2.333	0.069	0.003		0.008
			中层 Middle	1.454	-2.057	0.013			
			下层 Lower	1.149	-1.813	0.345			
	LDM	PDM	上层 Upper	1.054	0.870	0.152	0.001		<0.001
			中层 Middle	0.975	0.769	0.213			
			下层 Lower	0.725	0.363	0.658			

LA, 叶片面积; LDM, 叶片干质量; PDM, 叶柄干质量; PL, 叶柄长。

LA, lamina area; LDM, lamina dry mass; PDM, petiole dry mass; PL, petiole length.