Supplementary Materials: Comparison of Hierarchical and Non-Hierarchical Bayesian Approaches for Fitting Allometric Larch (*Larix*. spp.) Biomass Equations

Dongsheng Cheng, Xingzhao Huang, Xiaomei Sun, Wu Ma and Shougong Zhang

Table S1. A and b values of 36 biomass equations (total, root, stem wood, stem bark, branch, and foliage biomass) in 6 reported literature for larch in China.

No.	Total		Root		Stem Wood		Stem Bark		Branch		Foliage		Reference
	a	b	a	b	a	b	a	b	a	b	a	b	
1	−1.378	0.760	−0.929	0.368	−2.957	0.911	−4.962	0.913	−1.448	0.307	−4.017	−1.378	[1]
2	−1.952	0.844	−4.075	0.915	−2.797	0.888	−3.352	0.670	−2.957	0.633	−3.817	−1.952	[2]
3	−2.087	0.892	−4.510	0.981	−2.465	0.849	−3.381	0.684	−4.423	0.990	−5.521	−2.087	[3]
4	−2.079	0.901	−4.510	0.982	−2.659	0.927	−3.352	0.694	−3.037	0.628	−3.058	−2.079	[4]
5	−1.091	0.735	−5.116	1.024	−1.845	0.789	−1.917	0.389	−1.514	0.318	−0.942	−1.091	[5]
6	−2.419	0.929	−3.474	0.866	−3.170	0.960	−4.269	0.813	−5.298	0.972	−4.962	−2.419	[6]

References

1. Wang, H.Q. *Research on the Biomass Model of Larix kaemferi Plantation in Northern Sub-Tropical Alpine Area Based on Sample Plots and Remote Sensing*; Chinese Academy of Forestry: Beijing, China, 2010.
2. Shen, Y.Z.; Sun, X.M.; Zhang, J.T. Study on the individual tree biomass of *Larix kaempferi* plantation in xiaolong mountain Gansu provice. *For. Res.* **2011**, *24*, 517–522.
3. Liu, Y.Q. *The Study of Single Biomass, Carbon Storage and Distribution of Larix principis-Rupprechtii mayr. and Populus in Hebei Province*; Agricultural University of Hebei: Baoding, China, 2012.
4. Zhang, H. *Study on the Dominant Tree Biomass and Carbon Storage in Daqing Mountain*; Inner Mongolia Agricultural University: Huhehaote, China, 2010.
5. Min, Z.Q. *Study on Biomass Estimation Model of Larix olgensis*; Beijing Forestry University: Beijing, China, 2010.
6. Li, Z.F. *Biomass and Carbon Storage of the Larix gmelinii Forest's Research*; Inner Mongolia Agricultural University: Huhehaote, China, 2013.