

## Supporting Information

Table S1. The dominant species in each of the forest types.

Forest Type	Species
<i>Cryptomeria japonica</i> forests	<i>Cryptomeria japonica</i>
<i>Chamaecyparis obtusa</i> forests	<i>Chamaecyparis obtusa</i>
<i>Pinus</i> forests	<i>Pinus densiflora</i> <i>Pinus elliottii</i> <i>Pinus pumila</i> <i>Pinus strobus</i>
<i>Larix leptolepis</i> forests	<i>Larix leptolepis</i>
<i>Abies</i> and <i>Picea</i> forests	<i>Abies sachalinensis</i> <i>Abies mariesii</i> <i>Abies veitchii</i> <i>Picea abies</i> <i>Picea glehnii</i> <i>Picea jezoensis</i>
Other needle-leaf forests	<i>Abies firma</i> <i>Abies mariesii</i> <i>Abies veitchii</i> <i>Metasequoia glyptostroboides</i> <i>Picea jezoensis</i> ‘hondoensis’ <i>Thuja plicata</i> <i>Thujopsis dolabrata</i> <i>Tsuga sieboldii</i>
<i>Quercus</i> forests	<i>Quercus acuta</i> <i>Quercus acutissima</i> <i>Quercus dentata</i> <i>Quercus glauca</i> <i>Quercus phillyraeoides</i> <i>Quercus salicina</i> <i>Quercus serrata</i>
Other deciduous broadleaf forests	<i>Alnus firma</i> <i>Acer mono</i> <i>Alnus sieboldiana</i> <i>Betula ermanii</i> <i>Betula maximowicziana</i> <i>Betula platyphylla</i> <i>Carpinus laxiflora</i> <i>Fagus crenata</i> <i>Populus davidiana</i> <i>Pterocarya rhoifolia</i> <i>Quercus crispula</i> <i>Zelkowa serrata</i>
Evergreen broadleaf forests	<i>Acacia dealbata</i> <i>Acacia mollissima</i> <i>Camellia japonica</i> <i>Castanopsis cuspidata</i> <i>Castanopsis cuspidata</i> ‘sieboldii’ <i>Cinnamomum camphora</i> <i>Cyclobalanopsis acuta</i> <i>Cyclobalanopsis gilva</i> <i>Cyclobalanopsis myrsinaefolia</i> <i>Cyclobalanopsis stenophylla</i> <i>Daphniphyllum macropodum</i>

	<i>Distylium racemosum</i>
Needle-leaf and broadleaf mixed forests	<i>Abies firma</i>
	<i>Abies sachalinensis</i>
	<i>Acer mono 'marmoratum'</i>
	<i>Betula ermanii</i>
	<i>Chamaecyparis obtusa</i>
	<i>Fagus crenata</i>
	<i>Pinus densiflora</i>
	<i>Quercus crispula</i>
	<i>Tsuga sieboldii</i>

Table S2. Areas of planted and natural forest for all forests, needle-leaf forest, and broadleaf forests for different periods in Japan.

Period	Area ( $\times 10^3$ ha)					
	All forests		Needle-leaf		Broadleaf	
	Planted	Natural	Planted	Natural	Planted	Natural
1980	9847	13990	9694	6504	153	7487
1985	10171	13610	9993	6568	179	7042
1990	10281	13510	10080	4164	201	9345
1995	10355	13330	10125	3588	230	9741
2000	10321	13185	10067	3020	253	10165
2005	10326	13312	10051	2431	274	10881