

## Supplementary Material

**Tab. S1** - List of tree species (DBH>10 cm) in four sites of tropical montane cloud forest with traditional selective logging in Veracruz, Mexico. Conservation status: Least Concern, Near Threatened, Vulnerable, Endangered, Critically Endangered and Extinct (González-Espinosa et. al 2011). Functional groups: S= Shade-tolerant, I= Intermediate, and P= Shade-intolerant or Pioneer.

Species	Conservation status	Functional group	Reference
<i>Alchornea latifolia</i> Sw.	Least Concern	P	Ogle et al. (2006) <sup>1</sup>
<i>Ardisia aff. compressa</i> Kunth	Least Concern	S	Aiba & Nakashizuka (2009) <sup>2</sup>
<i>Bernardia macrocarpa</i> A. Cerv. & Flores-Olvera	Vulnerable	I	CONAFOR (2011) <sup>3</sup>
<i>Carpinus caroliniana</i> Walter	Near Threatened	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Cinnamomum effusum</i> (Meisn.) Kosterm.	Endangered	S	Muñiz-Castro (2008)
<i>Clethra macrophylla</i> M.Martens & Galeotti	Least Concern	S	Ramírez-Marcial et al. (2003) <sup>5</sup>
<i>Cojoba arborea</i> (L.) Britton & Rose	Near Threatened	S	Muñiz-Castro (2008) <sup>4</sup>
<i>Hedyosmum mexicanum</i> C. Cordem.	Least Concern	P	Muñiz-Castro (2008) <sup>4</sup>
<i>Inga</i> sp. Miller	Least Concern	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Liquidambar styraciflua</i> L.	Least Concern	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Lonchocarpus orizabens</i> Lundell	Not Evaluated		
<i>Meliosma alba</i> (Schltdl.) Walp.	Endangered	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Oreopanax xalapensis</i> (Kunth) Decne. Y Planch.	Near Threatened	I	Newton (2007) <sup>6</sup>
<i>Prunus tetradenia</i> Koehne	Vulnerable		
<i>Quercus cortesii</i> Liebm.	Near Threatened		
<i>Quercus delgadoana</i> S. Valencia, Nixon & L. M. Kelly	Endangered		
<i>Quercus lancifolia</i> Schltdl. & Cham.	Near Threatened	S	Muñiz-Castro (2008) <sup>4</sup>
<i>Quercus sartorii</i> Liebm.	Endangered	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Saurauia leucocarpa</i> Schltdl.	Vulnerable	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Styrax glabrecens</i> Benth.	Vulnerable	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Symplocos limoncillo</i> Bonpl.	Vulnerable	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Turpinia insignis</i> (Kunth) Tul.	Endangered	I	Muñiz-Castro (2008) <sup>4</sup>
<i>Ulmus mexicana</i> (Liebm.) Planch.	Endangered	S	Ramírez-Marcial et al. (2003) <sup>5</sup>
<i>Zanthoxylum melanostictum</i> Schltdl. & Cham.	Least Concern	S	Muñiz-Castro (2008) <sup>4</sup>

<sup>1</sup> Ogle K, Uriarte M, Thompson J, Johnstone J, Jones A, Lin Y, McIntire E, Zimmerman J (2006) Implications of vulnerability to hurricane damage for long-term survival of tropical tree species: a Bayesian hierarchical analysis. Applications of computational statistics in the environmental sciences: hierarchical Bayes and MCMC methods. Oxford

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University Press, Oxford, UK, pp. 198-117. <sup>2</sup> Aiba M, Nakashizuka T (2009). Growth properties of 16 non-pioneer rain forest tree species differing in sapling architecture. *Journal of Ecology* 97: 992-999. <sup>3</sup> CONAFOR (2011) Estudio regional forestal de la UMAFOR de la Chontalpa. [Forestry regional study of the UMAFOR Chontalpa]. Cámara Cabrales L, Hernández Trejo H, Galindo Alcántara A, Castillo Acosta O, Zequeira Larios C, Morales A, García M, Cappello García S, Gama Campillo L, Guadarrama MA (Eds.). CONAFOR, Mexico, pp. 263. <sup>4</sup> Muñiz-Castro MA (2008) Sucesión secundaria y establecimiento de especies arbóreas nativas para restauración de bosque mesófilo de montaña en potreros abandonados del centro de Veracruz. [Secondary succession and establishment of native tree species for restoration of cloud forest in abandoned pasturelands, central Veracruz]. PhD thesis. Instituto de Ecología A. C., Mexico, pp. 174. <sup>5</sup> Ramírez-Marcial N (2003) Survival and growth of tree seedlings in anthropogenically disturbed Mexican montane rain forests. *Journal of Vegetation Science* 14: 881-890. <sup>6</sup> Newton AC (2007). Biodiversity loss and conservation in fragmented forest landscapes. *The forests of montane Mexico and temperate South America*. CABI Publishing, Wallingford, Oxford, UK, pp. 416.

**Tab. S2** - Importance Value Index (IVI) of trees (DBH > 10 cm) in tropical montane cloud forest sites with low (L1 and L2) and high (H1 and H2) selective logging in Veracruz, Mexico.

L1		L2		H1		H2	
Species	IVI	Species	IVI	Species	IVI	Species	IVI
<i>Quercus sartorii</i>	33.39	<i>Quercus cortesii</i>	23.69	<i>Quercus sartorii</i>	18.2	<i>Quercus lancifolia</i>	35.87
<i>Quercus cortesii</i>	16.20	<i>Quercus sartorii</i>	21.93	<i>Quercus lancifolia</i>	17.07	<i>Quercus cortesii</i>	11.73
<i>Carpinus caroliniana</i>	13.56	<i>Quercus lancifolia</i>	12.72	<i>Clethra macrophylla</i>	11.53	<i>Liquidambar styraciflua</i>	11.10
<i>Liquidambar styraciflua</i>	11.18	<i>Liquidambar styraciflua</i>	11.31	<i>Liquidambar styraciflua</i>	10.84	<i>Quercus sartorii</i>	8.14
<i>Turpinia insignis</i>	6.11	<i>Quercus sp.</i>	9.10	<i>Zanthoxylum melanostictum</i>	7.19	<i>Styrax glabrescens</i>	5.65
<i>Quercus lancifolia</i>	4.77	<i>Clethra macrophylla</i>	4.46	<i>Styrax glabrescens</i>	6.19	<i>Quercus delgadoana</i>	4.48
<i>Clethra macrophylla</i>	4.40	<i>Styrax glabrescens</i>	3.55	<i>Bernardia macrocarpa</i>	4.74	<i>Zanthoxylum melanostictum</i>	4.39
<i>Meliosma alba</i>	2.19	<i>Turpinia insignis</i>	3.43	<i>Turpinia insignis</i>	4.20	<i>Hedyosmum mexicanum</i>	3.42
<i>Cojoba arborea</i>	1.88	<i>Zanthoxylum melanostictum</i>	3.28	<i>Quercus delgadoana</i>	3.03	<i>Alchornea latifolia</i>	2.48
<i>Zanthoxylum melanostictum</i>	1.62	<i>Prunus tetradenia</i>	1.67	<i>Alchornea latifolia</i>	2.40	<i>Clethra macrophylla</i>	2.10
<i>Styrax glabrescens</i>	1.61	<i>Cojoba arborea</i>	1.66	<i>Ulmus mexicana</i>	2.32	<i>Carpinus caroliniana</i>	1.97
<i>Quercus sp. 1</i>	1.56	<i>Oreopanax xalapensis</i>	1.62	<i>Inga sp.</i>	1.98	<i>Lonchocarpus orizabensis</i>	1.87
<i>Cinnamomum effusum</i>	1.54	<i>Saurauia leucocarpa</i>	1.58	<i>Lonchocarpus orizabensis</i>	1.88	<i>Saurauia leucocarpa</i>	1.71
				<i>Cinnamomum effusum</i>	1.79	<i>Oreopanax xalapensis</i>	1.70
				<i>Ardisia aff. Compressa</i>	1.78	<i>Symplocos limoncillo</i>	1.70
				<i>Oreopanax xalapensis</i>	1.63	<i>Turpinia insignis</i>	1.69
				<i>Carpinus caroliniana</i>	1.61		
				<i>Quercus cortesii</i>	1.60		