Supplement

The following supplementary materials are available for this article: Gayley, K. and K. Sridith. 2020. The vegetation status of regrowth forests in abandoned farmlands in the subtropical forest of Eastern Bhutan Himalaya. Taiwania 65(3): 336-347. Doi: *10.6165/tai.2020.65.336*

Table S1. Importance value index of trees (≥5cm DBH) of abandoned farmlands/regrowth forests (AB) and old-growth forests (OF).

		Regrowth forests /Abandoned farmlands							Old-growth forests				
Species	Family	AB1	AB2	AB3	AB4	AB5	AB6	AB7	OF1	OF2	OF3	OF4	OF5
Albizia stipulata B. Boivin	Leguminosae												
Acer campbellii Hook.f & Thomson ex Hiern	Sapindaceae											12.3	11.8
Acer oblongum Wall. ex DC	Sapindaceae			2.8	2.2	0.6	3.8	6.4		16.0	3.7	2.9	2.9
Acer sterculiaceum Wall.	Sapindaceae								1.3	3.4			
Acer taronense Handel.-Mazz.	Sapindaceae											3.1	0.8
Actinodaphne obovate (Nees) Blume	Lauraceae								3.0				
Agapetes sp.	Ericaceae							0.5					
Ailanthus integrifolia Lam.	Simaroubaceae		2.7	0.6					2.5				
Alangium chinesis	Alangiaceae							3.0					
Albizia lebbeck (L.) Benth.	Leguminosae	3.1		5.5	9.6					2.5			
Albizia stipulata B. Boivin	Leguminosae			8.9	7.9	1.0			2.0	5.0			
Alnus nepalensis D.Don	Betulaceae						10.3	4.1					1.7
Alstonia neriifolia D.Don	Apocynaceae	1.3	0.4										
Altingia excelsa Noronha	Altingiaceae								4.7				
Aphanamixis polystachya (Wall.) R.Parker	Meliaceae	4.2		1.7					18.9				
Bauhinia purpurea L.	Leguminosae								5.6				
Beilschmedia assamica Meisn.	Leguminosae					9.6	14.9	4.0			22.4	13.6	6.1
Beilschmiedia gammieana King ex Hool.f	Leguminosae						8.9	2.9				52.5	20.2
Betula alonoides Buch.-Ham. ex D.Don	Betulaceae	4.2	5.9	1.8	1.7	37.5	49.8	32.4					6.9
Boehmeria rugulosa Wedd.	Urticaceae									10.3			
Brassaiopsis hainla (Buch.-Ham.) Seem.	Araliaceae								1.3		1.1		
Callicarpa arborea Roxb.	Lamiaceae		1.4		7.6					10.8			
Camellia kissi Wall.	Theaceae				1.8	19.5			1.6	2.3	4.6		
Canarium stictum Roxb.	Burseraceae								1.4				
Carpinus viminea Wall. Ex Lindl.	Betulaceae	1.3	0.4			6.6		3.8			6.2	2.8	1.5
Casearia glomerata Roxb.	Salicaceae					1.3							
Casearia sp.2	Salicaceae												0.6
Casearia sp.1	Salicaceae								1.3				
Castanopsis hystrix Hook.f. & Thomson ex A. DC.	Fagaceae	4.9	5.3	1.1	15.9	29.2	27.7	22.8		9.1	36.0	9.3	11.9
Castanopsis indica Roxb.	Fagaceae								3.1				
Castanopsis tribuloides (smith) A.DC.	Fagaceae						0.9	4.2				1.8	8.0
Catunaregam longispina (Link) Tirveng.	Rubiaceae								1.3				
Celtis tetrandus Roxb.	Cannabaceae				3.6				4.3	2.4	7.2		
Chionanthus ramiflorus Roxb.	Oleaceae	1.3			8.2					10.0			
Choerospondias axillari (Roxb.) B.L.Burtt & A.W.Hill	Anacardiaceae	2.6			2.1	1.2				17.9	11.8		
Chukrasia tabularis A.Juss	Meliaceae								25.1	5.2			
Cinnadenia paniculata (Hook.f) Kosterm.	Lauraceae				3.8	6.8	7.3	6.4		7.8	2.5	7.9	3.5
Cinnamomum bejolghota (Buch.-Ham.) Sweet	Lauraceae								4.1				
Cinnamomum tamala (Buch.-Ham.) T. Nees & Eberm.	Lauraceae		2.2		5.9	1.4			8.0	3.8	4.9	4.2	0.6
Citrus maxima (Burm.) Merr.	Rutaceae	1.9											
Citrus reticulata Blanco	Rutaceae	1.3											
Cornus capitata Wall.	Cornaceae					0.7		2.4				1.6	9.3
Corylopsis himalayana Griff.	Hamamelidaceae						0.8	1.6			1.6	1.4	2.8
Dafhne bhoula Buch.-Ham. ex D. Don	Thymelaeaceae					0.6	4.6	4.4				5.9	2.2
Daphniphyllum chartaceum K. Rosenthai	Daphniphyllaceae	1.4						0.9					
Debregeasia longifolia (Brman.f.) Weddell.	Urticaceae				3.3								
Docynia indica (Wall.) Decne.	Rosaceae					0.7							
Dodecadenia griffithii Hook.f.	Lauraceae							0.9					1.3
Drimycarpus racemosus (Roxb.) Hook.f. ex Marchand	Anacardiaceae								4.6				
Elaeocarpus lanceifolius Roxb.	Elaeocarpaceae											7.4	13.4
Engelhardia spicata Blume var. *spicata* Blume	Juglandaceae	1.3		35.6	2.9	3.4	0.8	5.1		12.3	5.0		0.9
Eriobotrya hookeriana Decne.	Rosaceae							3.3			3.2	12.1	7.5
Eurya acuminata DC.	Primulaceae	3.6	19.0	2.4	11.2	23.4	1.0	1.9		4.3	5.2		

Eurya cerasifolia (D.Don) Kobuski	Primulaceae					5.5	30.2	31.6				12.7	12.8
Exbucklandia populnea (R.Br. ex Griff.)	Hamamelidaceae							3.4				0.9	5.7
Ficus concinna (Miq.) Miq.	Moraceae								2.4				
Ficus neriifolia Sm.	Moraceae			1.9		5.2	5.8	3.8				3.1	4.7
Ficus oligodon Miq.	Moraceae										1.1		
Ficus semicordata Buch.-Ham. Ex Sm.	Moraceae				1.5				1.7				
Ficus elastica	Moraceae								8.3				
Ficus subincisa Buch.-Ham. Ex Sm.	Moraceae		0.4			0.7				2.1	2.9		
Wrightia arborea	Apocynaceae										4.2		
Flueggea virosa (Roxb. ex Willd.) Royle	Pentaphylaceae	6.3							6.1				
Fraxinus sp.	Oleaceae	4.3		8.9				2.5		7.0	3.5		
Gaultheria fragrantissima Wall.	Ericaceae							1.2					
Glochidion velutinum Wight	Euphorbiaceae	2.9		1.1	5.1	4.8	9.4	7.7		5.1	7.9	1.1	
Grewia optiva	Malvaceae								3.0				
Schefflera elata (Buch.-Ham.) Harms	Araliaceae											3.1	
Schefflera sp.	Araliaceae												0.7
Helicia nilagirica Bedd.	Proteaceae		2.2		2.2	36.3	1.4				11.5		
Hydrangea sp	Hydrangea				2.5								
Indofera dosou D.Don	Leguminosae									2.1			
Itoa orientalis Hemsl.	Salicaceae	99.8	23.4	9.6	20.6	1.7		0.5	25.9	24.7	1.2		
Osyris lanceolata Hochstetter & Steudal	Santalaceae									2.3			
Juglans regia L.	Juglandaceae						1.6				1.6		
Maesa macrophylla	Primulaceae								1.5				
Knema tenuinervia W.J. de wilde	Myristicaceae								1.6				
Kydia calycina Roxb.	Malvaceae	5.0											
Lagerstroemia speciose (L.) Pers.	Lythraceae	7.5		1.6					9.5				
Leucosceptrum canum Sm.	Lamiaceae							0.5					
Exbucklandia populnea (R.Br. ex Griff.)	Hamamelidaceae							3.4				0.9	5.7
Ficus concinna (Miq.) Miq.	Moraceae								2.4				
Ficus neriifolia Sm.	Moraceae			1.9		5.2	5.8	3.8				3.1	4.7
Ficus oligodon Miq.	Moraceae										1.1		
Ficus semicordata Buch.-Ham. Ex Sm.	Moraceae				1.5				1.7				
Ficus elastica	Moraceae								8.3				
Ficus subincisa Buch.-Ham. Ex Sm.	Moraceae		0.4			0.7				2.1	2.9		
Wrightia arborea	Apocynaceae										4.2		
Flueggea virosa (Roxb. ex Willd.) Royle	Pentaphylaceae	6.3							6.1				
Fraxinus sp.	Oleaceae	4.3		8.9				2.5		7.0	3.5		
Gaultheria fragrantissima Wall.	Ericaceae							1.2					
Glochidion velutinum Wight	Euphorbiaceae	2.9		1.1	5.1	4.8	9.4	7.7		5.1	7.9	1.1	
Grewia optiva	Malvaceae								3.0				
Schefflera elata (Buch.-Ham.) Harms	Araliaceae											3.1	
Schefflera sp	Araliaceae												0.7
Helicia nilagirica Bedd.	Proteaceae		2.2		2.2	36.3	1.4				11.5		
Hydrangea sp	Hydrangea				2.5								
Indofera dosou D.Don	Leguminosae									2.1			
Itoa orientalis Hemsl.	Salicaceae	99.8	23.4	9.6	20.6	1.7		0.5	25.9	24.7	1.2		
Osyris lanceolata Hochstetter &Steudal	Santalaceae									2.3			
Juglans regia L.	Juglandaceae						1.6				1.6		
Maesa macrophylla	Primulaceae								1.5				
Knema tenuinervia W.J. de wilde	Myristicaceae								1.6				
Kydia calycina Roxb.	Malvaceae	5.0											
Lagerstroemia speciose (L.) Pers.	Lythraceae	7.5		1.6					9.5				
Leucosceptrum canum Sm.	Lamiaceae							0.5					
Trema orientalis (L) Blume	Cannabaceae									4.7			
Lindera cubeba (Lour.) Pers.	Lauraceae	4.8	4.9						2.4				
Lindera nessiana (Nees) Kurz.	Lauraceae					1.9							
Lindera pulcherima (Nees) Hook. F.	Lauraceae					1.6	6.3	5.3				3.0	18.7
Lithocarpus elegans (Bl.) Hatus. ex Soepadmo	Fagaceae	1.6			1.7	6.6	31.3	41.6	16.7	24.0	42.8	5.2	7.7
Lithocarpus fenestratus (Roxb.) Rehder	Fagaceae	11.6	188.4		30.6	20.6	14.0	3.0	20.2	4.0	17.3		0.6
Litsea elongate (Nees) Hook. f.	Lauraceae							2.0				2.1	2.7
Litsea monopetela (Roxb.) Pers.	Lauraceae								20.9				
Litsea sp.	Lauraceae	4.5			0.7								
Lyona ovalifolia (Wall.) Drude	Ericaceae			4.0		3.6		9.7		7.7	2.1		
Macaranga denticulate (Blume) Müll.Arg.	Euphobiaceae	7.1			0.5		0.9	0.6		5.2	1.7		
Macaranga indica Wight	Euphobiaceae										2.5		
Macropanax dispermus (Blume) Kuntze	Araliaceae						18.4	1.0	3.1		7.2	0.8	4.0
Maesa chisia Buch.-Ham. ex D. Don	Primulaceae				0.5	0.7	6.3	0.6	15.3	19.1			
Maesa indica (Roxb.) A. DC.	Primulaceae	20.4	6.4	43.4	0.8	0.8		0.9					
Maesa rugosa C.B. Clarke	Primulaceae						1.6						
Magnolia doltsopa (Buch.-Ham.) ex DC.	Magnoliaceae												5.8

Magnolia hodgsonii (Hook.f. & Thomson) H.Keng	Magnoliaceae								18.9					
Magnolia lanuginose (Wall.) Figlar & Noot.	Magnoliaceae									2.1			2.3	
Michelia sp.	Magnoliaceae												2.0	
Michelia champaca L.	Magnoliaceae						1.0							
Miliusa horsfieldii (Bennett) Baill. ex Pierre	Annonaceae								3.7					
Oxyspora paniculata (D.Don) DC.	Malastomaceae		2.5											
Murraya koenigii (L.) Spreng.	Rutaceae	15.7							3.7					
Myrica esculenta Buch.-Ham. ex D. Don	Myricaceae			2.5	1.6	10.9		3.4			7.2			
Myrsine semiserrata Wall.	Primulaceae				1.7	3.6	7.8	7.1			9.6	10.6	9.6	
Neocinnamomum caudatum (Nees) Merr.	Lauraceae	2.6		0.8										
Neolitsea foliosa (Nees) Gamble	Lauraceae					0.8	7.5	1.9	2.7	2.2		10.1	11.5	
Ostodes paniculata Blume	Euphorbiaceae				7.9				1.3	12.4				
Justicia adhatoda L.	Acanthaceae			2.8										
Parasassafras confertiflora (Meisn.) D.G. Long	Lauraceae					6.8					6.5			
Pentapanax sp	Araliaceae						20.4					22.7	17.5	
Persea gammieana (King ex Hook.f.) Kosterm.	Lauraceae				16.2		9.8	8.8		6.0	8.1	21.4	11.4	
Phoebe lanceolate (Nees) Nees.	Lauraceae			0.6					1.6					
Pinus roxburghii Sarg.	Pinaceae			8.7						13.5				
Prunus arborea (Blume) Kalkman	Rosaceae											8.7	0.9	
Prunus cerasoides Buch.-Ham. ex D.Don	Rosaceae				1.3	0.7		2.0						
Prunus rufa Wall. Ex Hook.f.	Rosaceae											6.8		
Quercus glauca Thunb.	Fagaceae				12.9	4.9				25.7	1.4			
Quercus griffithi Hook.f. & Thomson ex Miq.	Fagaceae	1.3	0.8	0.6		7.8				18.5	4.7			
Quercus lamellosa Sm.	Fagaceae						2.3	0.5			1.9	14.5	9.8	
Quercus lanata Sm.	Fagaceae									13.8			0.6	
Quercus oxyodon Mq.	Fagaceae							0.6						
Radermachera sinica (Hance) Hemsl.	Bignoniaceae			1.1		1.5								
Rapanea capitellata (Wall.) Mez	Primulaceae	1.3		1.6	1.0			0.4		6.9	2.5			
Rhododendron arboroem Sm.	Ericaceae					1.7		9.7		7.6	3.9		0.9	
Rhus chinensis Mill.	Anacardiaceae			1.0	1.5	0.7		1.2		4.4				
Rhus hookeri KC. Sahni & Bahadur	Anacardiaceae			0.8			4.1	0.6		4.8				
Rhus paniculata Wall. ex G.Don	Anacardiaceae			8.8						6.4				
Saurauia napaulensis DC.	Actinidiaceae						16.4	0.8						
Schima khasiana Dyer	Theaceae				2.0		12.1	6.3			8.5		7.3	
Schima wallichi Choisy	Theaceae	59.0	29.5	75.9		14.5		2.1	3.7	22.9	1.0			
Schoepfia chinensis Gardner & Champ	Schoepfiaceae					1.3		1.4			2.3	1.9	1.2	
Sloanea dasycarpa (Benth.) Hemsl.	Elaeocarpacee												1.5	
Aglaia edulis (Roxburgh) Wallich	Meliaceae								3.2	2.1				
Sterculia villosa Roxb.	Malvaceae				0.7									
Symplocos glomeruta King ex C.B Clarke	Symplocaceae						9.9	3.3				8.8	11.9	
Symplocos lucida (Thunb.) Siebold & Zucc.	Symplocaceae							8.4				2.8	14.1	
Symplocos sumuntia Buch.-Ham. ex D. Don	Symplocaceae			2.5	1.1	5.2	8.4	1.5				3.8		
Symplocos sp.	Symplocaceae							3.8						
Syzygium cumini (L) Skeels	Myrtaceae	1.4		0.6					6.8	2.9				
Syzygium venosum DC.	Myrtaceae	5.1	0.4						3.5					
Terminalia myriocarpa Van Heurck & Müll. Arg.	Combretaceae			27.8						3.3				
Tetradium fraxinifolium (Hook.f) T. G. Hartley	Rutaceae	1.4					3.9	0.4					1.5	
Toona ciliata M.Roem.	Meliaceae					0.8				10.4	1.0	7.3		
Trevesia palmate (Roxb. ex Lindl.) Vis.	Araliaceae							2.2					1.4	
Mitrephora sp	Annonaceae				1.4		1.3		1.3		2.9	6.9	1.6	
Viburnum cylindricum Buch.-Ham. ex D. Don	Adoxaceae			6.4		3.2		1.8		2.1				
Viburnum erubescens Wall.	Adoxaceae											0.8	3.3	
Wendlandia puberula DC.	Rubiaceae			1.6	1.6	2.0		1.0		2.1				
Ficus sp.	Moraceae											2.2		
Zanthoxylum acanthopodium DC.	Rutaceae				2.1					8.2				
Zanthoxylum armatum DC.	Rutaceae	1.3		2.3	0.8					2.1				
Ziziphus incurva Roxb.	Rhamnaceae			0.6	0.6			0.4		3.1				
Unidentified sp.1	Unknown										1.1			
Unidentified sp.2	Unknown										3.3			
Unidentified sp.3	Unknown							1.0						
Unidentified sp.4	Unknown										2.9			
Unidentified sp.5	Unknown										4.7			
Unidentified sp.6	Unknown												5.0	

Table S2. Relative abundance (%) of large saplings/shrubs in the abandoned farmlands (AB) and Old-growth forests (OF).

		Regrowth forests /Abandoned farmlands							Old-growth forests				
Species	Family	AB1	AB2	AB3	AB4	AB5	AB6	AB7	OF1	OF2	OF3	OF4	OF5
Acer campbellii Hook.f & Thomson ex Hiern	Sapindaceae							1.89					
Acer oblongum Wall. ex DC	Sapindaceae			2.26			0.7	1.60					0.58
Actinodaphne obovate (Nees) Blume	Lauraceae								2.1				
Ailanthus integrifolia Lam.	Simaroubaceae			0.56									
Albizia lebbeck (L.) Benth.	Leguminosae	0.27		0.56									
Albizia stipulata B. Boivin	Leguminosae								2.8				
Aphanamixis polystachya (Wall.) R.Parker	Meliaceae	0.81							9.85				
Bauhinia purpurea L.	Liguminosae								0.7				
Beilschmedia assamica Meisn.	Lauraceae					5.84	8.3	0.58			9.90	8.46	24.35
Beilschmiedia gammieana King ex Hool.f	Lauraceae						6.2	1.31				38.67	3.19
Betula alonoides Buch.-Ham. Ex D.Don	Betulaceae					1.46		0.44					
Boehmeria rugulosa Wedd.	Urticaceae			1.13									
Brassaiopsis hainla (Buch.-Ham.) Seem.	Araliaceae								0.7				
Camellia kissi Wall.	Theaceae					21.38					7.92		
Carpinus viminea Wall. Ex Lindl.	Betulaceae	0.27				3.32		2.33					
Casearia glomerate Roxburgh	Salicaceae										0.99		
Castanopsis hystrix A.DC.	Fagaceae	1.08		2.82	6.3	4.78	1.8	2.33			8.91	0.00	1.16
Castanopsis indica Roxb.	Fagaceae	0.27	0.87										
Castanopsis tribuloides (Smith) A.DC.	Fagaceae							0.15					1.45
Catunaregam longispina (Link) Tirveng.	Rubiaceae								0.7				
Celtis tetrandus Roxb.	Cannabaceae				1.1						0.99		
Chionanthus ramiflorus Roxb.	Oleaceae				15.8					1.97			
Cinnadenia paniculata (Hook.f) Kosterm.	Lauraceae				2.1	1.73	3.6	1.89		0.49	3.96	3.93	
Cinnamomum tamala (Buch.-Ham.) T. Nees & Eberm.	Lauraceae		0.435		1.1	0.13		0.29			3.96	3.32	0.29
Citrus maxima (Burm.) Merr.	Rutaceae	1.08											
Cornus capitata Wall.	Cornaceae							1.60					2.90
Corylopsis himalayana Griff.	Hamamelidaceae						1.4	0.29			1.98		0.29
Dafhne bhoula Buch.-Ham. ex D. Don	Thymelaeaceae						0.4	1.02				1.51	0.29
Daphniphyllum chartaceum K. Rosenthai	Daphniphyllaceae	0.27						0.15					
Debregeasia longifolia (Brman.f.) Weddell.	Urticaceae				1.1								
Drimycarpus racemosus (Roxb.) Hook.f. ex Marchand.	Anacardiaceae								0.7		0.99		
Elaeocarpus lanceifolius Roxb.	Elaeocarpaceae											0.91	3.48
Engelhardia spicata Blume var. *spicata* Blume	Juglandaceae			5.65	1.1	0.40	1.1	0.44			0.99		
Eriobotrya hookeriana Decne.	Rosaceae							1.46			1.98	4.53	3.48
Eurya acuminata DC.	Pentaphylacaceae	0.27	3.47	6.78		12.08		0.15		0.99			
Eurya cerasifolia (D.Don) Kobuski	Pentaphylacaceae					0.66	23.6	14.70				5.74	0.29
Exbucklandia populnea (R.Br. ex Griff.)	Hamamelidaceae							0.73					
Ficus neriifolia Sm.	Moraceae			0.56		0.13	4.0	0.58			0.99	0.60	
Ficus subincisa Buch.-Ham. ex Sm.	Moraceae					0.13				0.49	0.99		
Flemingia macrophylla (Wild.) Merr.	Leguminosae			7.34	3.2					6.90			
Flueggea virosa (Roxb. ex Willd.) Royle	Phyllanthaceae	1.08							3.52				
Fraxinus sp	Oleaceae	1.08		8.47				1.75		1.97			
Gaultheria fragrantissima Wall.	Ericaceae							1.16					
Glochidion velutinum Wight	Phyllanthaceae	0.27		1.69	1.1	1.59	2.5	2.33		0.49			
Grewia optiva J.R.Drumm. ex Burret	Malvaceae								1.4				
Helicia nilagirica Bedd.	Proteaceae				1.1	23.51	0.7			0.99	7.92		
Hydrangea sp	Hydrangaceae		0.87										
Indofera dosou D.Don	Leguminosae									2.46			
Itoa orientalis Hemsl.	Salicaceae	6.78	1.30	4.52	5.3				57.	21.67			
Lagerstroemia speciose (L.) Pers.	Lythraceae								1.4				
Lindera cubeba (Lour.) Pers.	Lauraceae	0.27	0.87										
Lindera nessiana (Nees) Kurz.	Lauraceae					0.40							
Lindera pulcherima (Nees) Hook. F.	Lauraceae						2.5	0.87				0.30	3.77
Lithocarpus elegans (Blume) Hatus. ex Soepadmo	Fagaceae					2.79	6.5	5.39	1.4		25.74	0.91	1.16
Lithocarpus fenestratus (Roxb.) Rehder	Fagaceae	11.11	76.95		24.2	7.17	4.0	0.87			1.98		
Litsea elongate (Nees) Hook. f.	Lauraceae							0.58				0.00	11.59
Litsea monopetela (Roxb.) Pers.	Lauraceae								4.2				
Lyona ovalifolia (Wall.) Drude	Ericaceae			0.56		1.06		2.18		4.43			
Macaranga denticulate (Blume) Müll.Arg.	Eurphobiaceae	0.81								2.96			
Macropanax dispermus (Blume) Kuntze	Araliaceae						1.1						
Maesa chisia Buch.-Ham. ex D. Don	Primulaceae				1.1	0.27	2.5	0.58					
Maesa indica (Roxb.) A. DC.	Primulaceae	30.08	10.87	43.50	8.4	0.66			11.26	28.08			

Magnolia hodgsonii (Hook.f. & Thomson) H.Keng	Magnoliaceae								0.70				
Michelia champaca L.	Magnoliaceae							0.15					
Miliusa horsfieldii (Bennett) Baill. ex Pierre	Annonaceae								0.7				
Mitrephora sp.	Annonaceae				3.2							3.63	0.58
Murraya koenigii (L.) Spreng.	Rutaceae	34.15											
Myrica esculenta Buch.-Ham. ex D. Don	Myricaceae			0.56		1.99		0.15					
Myrsine semiserrata Wall.	Primulaceae				1.1	0.80	5.8	10.63			16.83	7.85	2.61
Neolitsea foliosa (Nees) Gamble	Lauraceae						3.6	1.31				1.21	0.29
Ostodes paniculata Blume	Eurphobiaceae				8.4			0.15		5.91			
Parasassafras confertiflora (Meisn.) D.G. Long	Lauraceae					0.13	4.3						
Pentapanax sp.	Araliaceae											1.21	2.32
Persea gammieana (King ex Hook.f.) Kosterm.	Lauraceae				1.1		3.6	2.33				0.91	
Phoebe lanceolate (Nees) Nees.	Lauraceae			1.69									
Prunus arborea (Blume) Kalkman	Rosaceae											0.60	0.58
Prunus cerasoides Buch.-Ham. ex D.Don	Rosaceae					0.27							
Quercus glauca Thunb.	Fagaceae				11.6	3.19				3.45			
Quercus griffithi Hook.f. & Thomson ex Miq.	Fagaceae					0.80							
Quercus lamellosa Sm.	Fagaceae						0.4	0.15				0.30	
Quercus lanata Sm.	Fagaceae									2.46			
Quercus oxyodon Mq.	Fagaceae							0.44					
Radermachera sinica (Hance) Hemsl.	Bignoniaceae					0.27							
Rapanea capitellata (Wall.) Mez	Primulaceae	0.54											
Rapanea sp.	Primulaceae				1.1						0.99		
Rhododendron arboroem Sm.	Ericaceae							7.57		1.97	0.99		
Rhus chinensis Mill.	Anacardiaceae				1.1			0.15		0.49			
Rhus hookeri KC. Sahni & Bahadur	Anacardiaceae							0.15					
Rhus paniculata Wall. ex G.Don	Anacardiaceae									1.97			
Schefflera sp.	Araliaceae											0.30	4.06
Schima khasiana Dyer	Theaceae						3.99	1.75					
Schima wallichi Choisy	Theaceae	4.34	1.73	2.82		0.40		0.15		4.93			
Schoepfia chinensis Gardner & Champ	Schoepfiaceae							0.58				0.30	13.33
Symplocos sp.	Symplocaceae							5.24					
Symplocos glomeruta King ex C.B Clarke	Symplocaceae						2.17	3.64				6.95	10.43
Symplocos lucida (Thunb.) Siebold & Zucc.	Symplocaceae							13.83				2.42	
Symplocos sumuntia Buch.-Ham. ex D. Don	symplocaceae					1.46	3.26	0.29				0.60	2.90
Syzygium cumini (L) Skeels	Myrtaceae								0.7				
Syzygium venosum DC.	Myrtaceae	0.81	1.30										
Tetradium fraxinifolium (Hook.f) T.G. Hartley	Rutaceae							0.15					
Toona ciliata M.Roem.	Meliaceae									0.99	0.99		
Trevesia palmate (Roxb. ex Lindl) Vis.	Araliaceae						1.45	0.87				4.83	2.90
Viburnum cylindricum Buch.-Ham. ex D. Don	Adoxaceae			6.21		0.53		0.29					
Viburnum erubescens Wall.	Adoxaceae												1.16
Wendlandia puberula DC.	Rubiaceae		0.43			0.66							
Zanthoxylum acanthopodium DC.	Rutaceae									1.97			
Zanthoxylum armatum DC.	Rutaceae	0.81		0.56						0.99			
Ziziphus incurva Roxb.	Rhamnaceae			1.69						0.99			
Unknown sp.1	Unknown	3.52	0.870				0.36						
Unknown sp.2	Unknown							0.44					

Table S3. Relative frequency (%) of predominant ground covers in the abandoned lands and old-growth forests

	Sites											
Species	AB1	AB2	AB3	AB4	AB5	AB6	AB7	OF1	OF2	OF3	OF4	OF5
Aconogonum sp	0	0	0	0	0	10	0	0	0	0	0	0
Ampelocalamus patellaris	0	0	0	0	0	0	0	0	0	70	0	10
Calanthe yuksomensis	0	0	0	0	0	0	0	0	0	0	75	36.5
Chimonbambusa callosa	0	0	0	0	0	0	54.5	0	0	0	0	13.3
Drepanostachyum sp	0	0	0	14.3	30	0	6.7	0	55.6	0	0	0
Elastomia spp	0	0	0	0	0	0	0	0	0	0	50	0
Ferns	10	0	0	0	0	60	0	37.5	0	10	87.5	36.4
Flemigia macrophylla	0	0	60	0	0	0	0	0	22.2	0	0	0
Hedychium gardnerianum	0	0	0	0	0	0	0	0	22.2	0	0	0
Indofera dosou	0	0	20	0	0	0	0	0	0	0	0	0
Achyrospermum wallichianum	40	0	0	0	0	0	0	0	0	0	0	0
Molineria capitulata	0	0	0	0	10	0	6.7	0	0	10	25	0
Pilea sp.	0	0	0	0	0	0	0	0	0	0	0	9
Piper spp.	0	0	0	0	0	30	0	37.5	0	10	12.5	18.2
Plectocombia himalayana	0	0	0	0	0	20	0	0	0	10	0	0
Rhaphidophora spp.	0	0	0	0	0	0	0	0	11.1	10	50	0
Strobilanthes spp.	0	0	0	0	0	0	0	0	44.4	0	0	36.4
Thysanolaena maxima	0	0	0	0	0	0	0	0	33.3	0	0	0
Wallichia distichia	0	0	0	0	0	10	0	0	0	20	0	0
Adisea macrocarpa	60	0	0	0	0	0	12.5	12.5	11.1	10	0	0