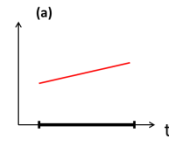
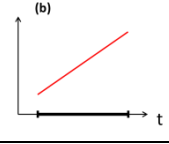
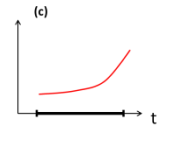
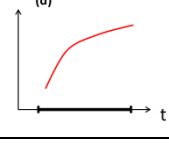
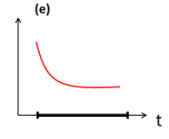
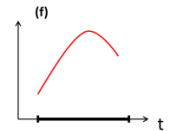
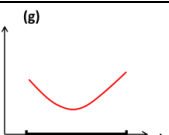
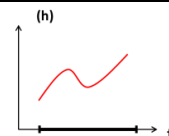
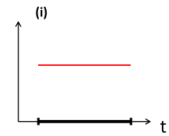


Table S2. Forest fragmentation patterns used fragmentation index value of 1990, 2000, 2008 and 2014 in 64 forest ecosystems

Rates of change	Code	Ecosystem type	Total area (km ²)	2014 forest (%)	Protected (%)	FFI			
						1990	2000	2008	2014
	32	Low montane deciduous forest of the Catamayo- Alamor	48.2	5.65	0	46.98	47.54	48.48	49.17
	25	Montane evergreen forest of the Catamayo-Alamor	582.4	50.40	0.96	25.12	25.96	27.44	27.78
	27	Low montane evergreen forest of the Catamayo- Alamor	60.03	51.28	0	22.50	25.99	26.47	27.66
	43	Piedmont evergreen forest of the south-eastern Andean range	1,093.65	67.90	5.42	14.05	16.29	18.39	21.21
	1	Flood alluvial plain forest of the Equatorial Chocó	118.11	75.93	63.66	13.07	14.58	15.24	18.22
	7	Low montane evergreen forest of Chocó coastal range	254.46	78.54	59.75	10.08	12.11	13.90	15.81
	3	Bosque siempreverde de tierras bajas del Chocó Ecuatorial	3,555.97	81.02	4.06	7.54	8.96	10.57	11.79
	61	Flood river (originated in the Amazon) alluvial plain forest	747.66	95.22	60.51	10.43	10.51	10.59	11.14
	40	Low montane evergreen forest of the south-eastern Andean range	2,104.45	87.98	23.10	7.97	8.71	9.91	11.00
	57	Flood river (originated in the Andean and Amazonian ranges) alluvial-plain forest	1,691.52	91.61	19.07	9.07	9.10	9.17	10.15
	59	Flood alluvial plain forest of the Amazon	3,363.85	98.19	41.64	8.46	8.54	8.57	8.75
	47	Piedmont evergreen forest of the Cóndor-Kutukú range	5,241.05	89.04	0.83	6.44	6.81	7.27	8.47
	52	Piedmont evergreen forest on limestone outcrops of the Amazonian range	187.25	94.16	6.57	5.79	6.18	6.20	6.94
	39	Piedmont evergreen forest of the north-eastern Andean range	6,611.37	92.94	20.45	5.54	5.59	5.85	6.81
	26	High montane evergreen forest of the Catamayo-Alamor	174.51	71.76	8.08	19.49	19.80	20.14	20.74
	50	Piedmont evergreen forest on sandstone plateaus of the Cóndor-Kutukú range	191.55	95.99	1.76	3.72	4.31	5.10	5.56
	48	Low montane evergreen forest of the Cóndor-Kutukú range	2,564.82	96.67	10.30	4.48	4.97	5.28	5.42
	44	Piedmont semideciduous forest of the south-eastern Andean range	96.69	32.82	0	17.39	24.32	26.92	36.03
	6	Piedmont seasonal evergreen forest of the Chocó coastal range	1,078.15	71.11	36.84	11.87	14.03	17.62	18.67
	33	Semideciduous forest and shrubland of the North Valleys	593.94	0.11	0.02	33.33	33.33	33.33	68.76
	29	Piedmont semideciduous forest of the Catamayo-Alamor	1,619.26	65.39	0	15.95	16.57	16.88	19.11
	22	Piedmont seasonal evergreen forest of the western Andean range	619.11	71.80	0	14.26	14.40	13.96	18.53
	18	Piedmont evergreen forest of the western Andean range	3,789.81	85.73	30.79	8.50	8.93	8.80	10.52
	14	Deciduous forest of the Jama-Zapotillo lowland	2,870.66	81.60	2.61	10.83	10.39	10.66	12.58
	15	Deciduous forest of the Equatorial Pacific coastal range	411.23	78.70	13.04	13.94	13.61	13.87	15.02
	19	Low montane evergreen forest of the western Andean range	2,432.28	81.62	28.42	11.14	11.92	11.84	13.14
	2	Equatorial Chocó mangrove	22,961.07	76.68	89.70	16.01	15.89	16.50	17.98
	10	Low forest and deciduous shrubland of the Jama-Zapotillo lowland	1,980.74	13.71	5.72	33.85	34.23	35.27	37.48
	31	Piedmont deciduous forest of the Catamayo-Alamor	394.79	60.74	0	16.13	16.22	16.82	20.91
	24	Low montane seasonal evergreen forest of the Catamayo-Alamor	168.33	55.62	0	24.66	28.43	28.43	28.71
	49	Montane evergreen forest of the Cóndor-Kutukú range	1,011.85	97.88	18.72	3.99	4.34	4.70	4.69
	5	Seasonal evergreen forest of Equatorial Chocó lowlands	928.08	66.57	27.01	42.52	18.47	19.13	20.55
	45	Low montane evergreen forest of Galeras	27.82	100.00	100	2.47	1.85	1.85	1.85
	46	Piedmont evergreen forest of Galeras	83.67	99.97	87.55	2.13	1.71	1.72	1.72

	4	Flood intertidal plain forest of the Equatorial Chocó	0.9	94.59	42.34	23.27	29.52	33.69	18.55
	34	Semideciduous forest and shrubland of the South Valleys	228.53	3.44	0	46.60	48.19	48.76	47.54
	9	Semideciduous forest of the Equatorial Pacific coastal range	774.36	85.72	17.75	13.20	12.41	13.31	13.37
	12	Low montane seasonal evergreen forest of the Equatorial Pacific coastal range	928.82	72.57	7.48	18.68	17.60	18.31	18.51
	13	Seasonal evergreen forest of the Jama-Zapotillo lowland	827.22	45.48	1.59	26.12	25.05	26.85	29.56
	11	Piedmont seasonal evergreen forest of the Equatorial Pacific coastal range	2,569.96	57.26	2.61	25.83	24.41	24.36	25.20
	36	High montane evergreen forest of the north-eastern Andean range	2,544.60	85.80	62.46	10.08	9.94	9.80	10.35
	21	High montane evergreen forest of the western Andean range	1,368.81	70.09	12.03	17.91	17.57	17.25	18.30
	35	Páramo evergreen forest	87.87	1.70	15.55	62.92	62.00	61.73	62.34
	8	Semideciduous forest of the Jama-Zapotillo lowland	2,277.58	71.67	2.87	15.44	14.95	15.51	17.53
	20	Montane evergreen forest of the western Andean range	3,265.97	82.41	19.85	10.92	11.24	10.98	12.62
	55	Evergreen forest of the Aguarico-Putumayo-Caquetá lowland	9,694.52	93.89	36.86	4.69	5.26	5.10	6.30
	58	Lowland evergreen forest of the Napo-Curaray	14,773.67	97.19	32.82	3.32	3.68	3.56	4.26
	17	Seasonal flood alluvial plain evergreen forest of the Jama- Zapotillo	17.41	7.40	0	50.86	51.42	37.52	41.77
	23	Piedmont seasonal evergreen forest of the Catamayo-Alamor	971.21	48.83	0	21.88	24.48	21.26	30.06
	28	Piedmont evergreen forest of the Catamayo-Alamor	33.4	60.47	0	21.81	25.77	19.14	26.39
	60	Flood forest and lacustrine-riparian vegetation of the Amazonian black water	112.73	89.34	96.61	10.43	10.40	10.39	10.34
	56	Flood alluvial plain palm forest of the Amazon	4,723.65	98.57	53.97	6.58	6.67	6.68	6.82
	30	Low montane semideciduous forest of the Catamayo-Alamor	660.61	41.94	0	28.75	29.63	29.72	29.06
	62	Evergreen bamboo forest of the Amazonian lowland	24	100.00	0	0.67	0.67	0.67	0.67
	64	Evergreen forest of the Pastaza fan-shaped lowland	5,752.98	97.37	0	4.48	4.86	4.52	4.76
	63	Evergreen forest of the Tigre-Pastaza lowland	21,310.80	99.47	13.39	3.02	3.00	3.00	3.04
	42	High montane evergreen forest of the south-eastern Andean range	1,261.72	81.22	48.83	13.45	13.64	13.50	13.88
	38	Low montane evergreen forest of the north-eastern Andean range	4,247.87	97.39	67.20	4.11	3.97	4.06	4.78
	53	Low montane evergreen forest on sandstone plateaus of the Cóndor-Kutukú range	385.68	98.93	26.70	3.37	3.15	3.34	3.28
	37	Montane evergreen forest of the north-eastern Andean range	4,520.11	97.81	74.85	3.99	4.01	4.03	4.47
	41	Montane evergreen forest of the south-eastern Andean range	4,040.90	93.55	32.22	6.26	6.55	6.70	7.03
	51	Montane evergreen forest on sandstone plateaus of the Cóndor range	250.35	97.53	63.82	3.34	3.16	3.17	3.55
	54	Evergreen forest on sandstone plateaus of the Cóndor range in the lower Ecuadorian Amazon	12.48	98.15	0.00	2.92	2.94	2.94	3.05
	16	Jama-Zapotillo mangrove	134,133.21	79.34	29.24	15.48	15.42	16.04	15.67