Additional File 1: Significant differences between neighbourhoods for cumulative growth and mean annual increment for three *Nothofagus* species

Synergy in mixed *Nothofagus* spp. plantations: the effect of deciduous/evergreen neighbourhood on tree growth in the Chilean Andes

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Table S1. Significant differences between neighbourhoods for cumulative growth and mean annual increment for *Nothofagus alpina* by non-overlapping confidence intervals (CI) using a significance level of 0.05. Also shown, average ($\bar{\bar{x}}$) and standard deviation (S_x) according to neighbourhood (DR or EN) for each age

	Eq. [1] Cumulative growths curves							Eq. [3] Curves for mean annual increment							
	Diameter (cm)			Height (m)		Volume (m^3)		Δ d (cm $year^{-1}$)			Δ h (m $year^{-1}$)		Δ v (m^3 $year^{-1}$)		
Age	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm \sigma$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm \sigma$ DN	$\bar{x} \pm S_x$ EN	CI
1	0.00 ± 0.00	0.00 ± 0.00	-	0.13 ± 0.04	0.46 ± 0.28	-	0.0000 ± 0.0000	0.0000 ± 0.0000	-	0.00 ± 0.00	0.00 ± 0.00	-	0.13 ± 0.04	0.46 ± 0.28	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-
2	0.00 ± 0.00	0.03 ± 0.08	-	0.50 ± 0.21	1.02 ± 0.37	-	0.0000 ± 0.0000	0.0000 ± 0.0000	-	0.00 ± 0.00	0.02 ± 0.04	-	0.25 ± 0.10	0.51 ± 0.19	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-
3	0.02 ± 0.04	0.20 ± 0.15	-	1.05 ± 0.44	1.72 ± 0.44	-	0.0000 ± 0.0000	0.0001 ± 0.0000	-	0.01 ± 0.01	0.07 ± 0.05	-	0.35 ± 0.15	0.57 ± 0.15	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-
4	0.21 ± 0.13	0.38 ± 0.28	-	1.67 ± 0.69	2.57 ± 0.69	*	0.0001 ± 0.0000	0.0002 ± 0.0001	-	0.05 ± 0.03	0.09 ± 0.07	-	0.42 ± 0.17	0.64 ± 0.17	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-
5	0.50 ± 0.32	0.75 ± 0.36	-	2.16 ± 0.84	3.44 ± 0.91	*	0.0002 ± 0.0000	0.0004 ± 0.0001	-	0.10 ± 0.06	0.15 ± 0.07	-	0.43 ± 0.17	0.69 ± 0.18	*	0.0000 ± 0.0000	0.0001 ± 0.0000	-
6	1.03 ± 0.53	1.54 ± 0.69	-	2.92 ± 0.94	4.28 ± 1.11	*	0.0005 ± 0.0001	0.0010 ± 0.0005	-	0.17 ± 0.09	0.26 ± 0.11	*	0.49 ± 0.16	0.71 ± 0.18	*	0.0001 ± 0.0000	0.0002 ± 0.0001	-
7	1.91 ± 0.77	2.74 ± 1.28	*	3.86 ± 1.04	5.46 ± 1.33	*	0.0010 ± 0.0005	0.0026 ± 0.0016	-	0.27 ± 0.11	0.39 ± 0.18	*	0.55 ± 0.15	0.81 ± 0.14	*	0.0001 ± 0.0001	0.0004 ± 0.0002	-
8	2.67 ± 1.10	3.81 ± 1.67	*	4.96 ± 1.27	7.10 ± 1.36	*	0.0023 ± 0.0010	0.0052 ± 0.0032	-	0.33 ± 0.14	0.48 ± 0.21	*	0.62 ± 0.16	0.91 ± 0.14	*	0.0003 ± 0.0001	0.0007 ± 0.0004	-
9	3.49 ± 1.16	5.17 ± 1.71	*	6.51 ± 1.62	8.28 ± 1.19	*	0.0045 ± 0.0017	0.0100 ± 0.0055	*	0.39 ± 0.13	0.57 ± 0.19	*	0.72 ± 0.18	0.91 ± 0.14	*	0.0005 ± 0.0002	0.0011 ± 0.0006	*
10	4.48 ± 0.92	6.45 ± 1.68	*	7.37 ± 1.62	9.31 ± 1.25	*	0.0075 ± 0.0023	0.0175 ± 0.0088	*	0.45 ± 0.09	0.65 ± 0.17	*	0.74 ± 0.16	0.91 ± 0.15	*	0.0008 ± 0.0002	0.0017 ± 0.0009	*
11	5.43 ± 0.85	7.81 ± 1.64	*	8.32 ± 1.73	10.17 ± 1.50	*	0.0114 ± 0.0034	0.0273 ± 0.0132	*	0.49 ± 0.08	0.71 ± 0.15	*	0.76 ± 0.16	0.94 ± 0.13	*	0.0010 ± 0.0003	0.0025 ± 0.0012	*
12	6.33 ± 0.61	9.12 ± 1.65	*	8.95 ± 1.81	11.14 ± 1.53	*	0.0171 ± 0.0046	0.0399 ± 0.0178	*	0.53 ± 0.05	0.76 ± 0.14	*	0.75 ± 0.15	0.93 ± 0.13	*	0.0014 ± 0.0004	0.0033 ± 0.0015	*
13	7.38 ± 0.73	10.27 ± 1.44	*	9.65 ± 1.71	12.03 ± 1.58	*	0.0242 ± 0.0066	0.0544 ± 0.0208	*	0.57 ± 0.06	0.79 ± 0.11	*	0.74 ± 0.13	0.93 ± 0.12	*	0.0019 ± 0.0005	0.0042 ± 0.0016	*
14	8.35 ± 1.02	11.49 ± 1.28	*	10.38 ± 1.54	12.87 ± 1.75	*	0.0308 ± 0.0065	0.0721 ± 0.0249	*	0.60 ± 0.07	0.82 ± 0.09	*	0.74 ± 0.11	0.92 ± 0.13	*	0.0022 ± 0.0005	0.0052 ± 0.0018	*
15	9.04 ± 1.41	12.34 ± 1.23	*	11.07 ± 1.42	13.52 ± 1.74	*	0.0395 ± 0.0123	0.0877 ± 0.0287	*	0.60 ± 0.09	0.82 ± 0.08	*	0.74 ± 0.09	0.90 ± 0.12	*	0.0026 ± 0.0008	0.0058 ± 0.0019	*
16	9.73 ± 1.60	13.34 ± 1.19	*	11.78 ± 1.30	14.17 ± 1.74	*	0.0468 ± 0.0143	0.1063 ± 0.0335	*	0.61 ± 0.10	0.83 ± 0.07	*	0.74 ± 0.08	0.89 ± 0.11	*	0.0029 ± 0.0009	0.0066 ± 0.0021	*
17	10.38 ± 1.89	14.29 ± 1.27	*	12.53 ± 1.20	14.82 ± 1.75	*	0.0555 ± 0.0159	0.1278 ± 0.0394	*	0.61 ± 0.11	0.84 ± 0.07	*	0.74 ± 0.07	0.87 ± 0.10	*	0.0033 ± 0.0009	0.0075 ± 0.0023	*
18	10.87 ± 1.98	15.30 ± 1.37	*	13.16 ± 1.04	15.48 ± 1.78	*	0.0657 ± 0.0225	0.1511 ± 0.0449	*	0.60 ± 0.11	0.85 ± 0.08	*	0.73 ± 0.06	0.86 ± 0.10	-	0.0037 ± 0.0013	0.0084 ± 0.0025	*

* Significant differences between neighbourhoods by non-overlapping confidence intervals (CI); - No significant differences by overlapping confidence intervals.

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Table S2. Significant differences between neighbourhoods for cumulative growth and mean annual increment for *Nothofagus dombeyi* by non-overlapping confidence intervals (CI) using a significance level of 0.05. Also shown, average ($\bar{\bar{x}}$) and standard deviation (S_x) according to neighbourhood (DR or EN) for each age

	Eq. [1] Cumulative growths curves							Eq. [3] Curves for mean annual increment						
	Diameter (cm)			Height (m)			Volume (m^3)		Δ d (cm $year^{-1}$)		Δ h (m $year^{-1}$)		Δ v (m^3 $year^{-1}$)	
Age	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI
1	0.00 ± 0.00	0.00 ± 0.00	-	0.48 ± 0.27	0.67 ± 0.29	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-	0.00 ± 0.00	0.00 ± 0.00	-	0.48 ± 0.27	0.67 ± 0.29	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-
2	0.04 ± 0.08	0.34 ± 0.19	-	0.95 ± 0.60	1.50 ± 0.41	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-	0.02 ± 0.04	0.17 ± 0.10	-	0.47 ± 0.30	0.75 ± 0.21	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-
3	0.19 ± 0.23	0.69 ± 0.26	-	1.40 ± 0.85	2.30 ± 0.47	*	0.0002 ± 0.0001	0.0002 ± 0.0001	-	0.06 ± 0.08	0.23 ± 0.09	*	0.47 ± 0.28	0.77 ± 0.16	*	0.0001 ± 0.0000	0.0001 ± 0.0000	-
4	0.60 ± 0.76	1.59 ± 0.56	-	1.83 ± 0.95	3.15 ± 0.49	*	0.0006 ± 0.0004	0.0010 ± 0.0006	-	0.15 ± 0.19	0.40 ± 0.14	*	0.46 ± 0.24	0.79 ± 0.12	*	0.0002 ± 0.0001	0.0003 ± 0.0001	-
5	1.45 ± 1.56	3.54 ± 1.17	*	2.57 ± 0.86	4.15 ± 0.80	*	0.0018 ± 0.0013	0.0033 ± 0.0017	-	0.29 ± 0.31	0.71 ± 0.23	*	0.51 ± 0.17	0.83 ± 0.16	*	0.0004 ± 0.0003	0.0007 ± 0.0003	-
6	2.90 ± 2.08	6.29 ± 1.74	*	3.40 ± 0.89	5.10 ± 0.82	*	0.0045 ± 0.0033	0.0090 ± 0.0040	-	0.48 ± 0.35	1.05 ± 0.29	*	0.57 ± 0.15	0.85 ± 0.14	*	0.0008 ± 0.0005	0.0015 ± 0.0007	-
7	5.26 ± 2.95	8.82 ± 2.29	*	4.55 ± 1.03	6.00 ± 0.51	*	0.0096 ± 0.0064	0.0181 ± 0.0082	-	0.75 ± 0.42	1.26 ± 0.33	*	0.65 ± 0.15	0.86 ± 0.07	*	0.0014 ± 0.0009	0.0026 ± 0.0012	-
8	7.76 ± 3.75	11.02 ± 2.77	*	5.60 ± 1.05	6.55 ± 0.50	*	0.0182 ± 0.0109	0.0321 ± 0.0122	-	0.97 ± 0.47	1.38 ± 0.35	*	0.70 ± 0.13	0.82 ± 0.06	*	0.0023 ± 0.0014	0.0040 ± 0.0015	-
9	10.19 ± 4.39	12.76 ± 2.83	*	6.65 ± 0.49	7.20 ± 0.58	*	0.0318 ± 0.0183	0.0501 ± 0.0176	-	1.13 ± 0.49	1.42 ± 0.31	*	0.74 ± 0.05	0.80 ± 0.06	*	0.0035 ± 0.0020	0.0056 ± 0.0020	*
10	12.45 ± 4.92	14.56 ± 2.70	-	7.75 ± 0.72	8.05 ± 0.75	*	0.0490 ± 0.0274	0.0726 ± 0.0222	-	1.24 ± 0.49	1.46 ± 0.27	*	0.78 ± 0.07	0.81 ± 0.08	*	0.0049 ± 0.0027	0.0073 ± 0.0022	*
11	14.34 ± 5.34	15.71 ± 2.19	-	8.65 ± 0.78	9.60 ± 0.84	*	0.0702 ± 0.0375	0.0949 ± 0.0254	-	1.30 ± 0.49	1.43 ± 0.20	-	0.79 ± 0.07	0.87 ± 0.08	*	0.0064 ± 0.0034	0.0086 ± 0.0023	*
12	16.18 ± 5.71	16.93 ± 1.89	-	9.55 ± 0.90	10.50 ± 0.74	*	0.0958 ± 0.0485	0.1225 ± 0.0305	*	1.35 ± 0.48	1.41 ± 0.16	-	0.80 ± 0.08	0.88 ± 0.06	*	0.0080 ± 0.0040	0.0102 ± 0.0025	*
13	17.69 ± 5.89	18.11 ± 1.70	-	10.60 ± 1.22	11.20 ± 0.60	-	0.1208 ± 0.0578	0.1518 ± 0.0351	*	1.36 ± 0.45	1.39 ± 0.13	-	0.82 ± 0.09	0.86 ± 0.05	-	0.0093 ± 0.0044	0.0117 ± 0.0027	*
14	18.90 ± 6.07	19.14 ± 1.58	-	11.35 ± 1.21	11.70 ± 0.60	-	0.1456 ± 0.0684	0.1801 ± 0.0392	*	1.35 ± 0.43	1.37 ± 0.11	-	0.81 ± 0.09	0.84 ± 0.04	-	0.0104 ± 0.0049	0.0129 ± 0.0028	*
15	19.86 ± 6.27	20.00 ± 1.63	-	12.16 ± 1.08	12.31 ± 0.58	-	0.1710 ± 0.0794	0.2075 ± 0.0424	*	1.32 ± 0.42	1.33 ± 0.11	-	0.81 ± 0.07	0.82 ± 0.04	-	0.0114 ± 0.0053	0.0138 ± 0.0028	*
16	20.67 ± 6.32	20.98 ± 1.62	-	12.85 ± 1.09	13.00 ± 0.58	-	0.1974 ± 0.0914	0.2385 ± 0.0474	*	1.29 ± 0.39	1.31 ± 0.10	-	0.80 ± 0.07	0.81 ± 0.04	-	0.0123 ± 0.0057	0.0149 ± 0.0030	*
17	21.52 ± 6.35	22.14 ± 1.80	-	13.55 ± 1.10	13.70 ± 0.63	-	0.2259 ± 0.1047	0.2756 ± 0.0593	*	1.27 ± 0.37	1.30 ± 0.11	-	0.80 ± 0.06	0.81 ± 0.04	-	0.0133 ± 0.0062	0.0162 ± 0.0035	*
18	22.35 ± 6.31	23.28 ± 1.80	-	14.24 ± 1.13	14.40 ± 0.69	-	0.2561 ± 0.1164	0.3138 ± 0.0680	*	1.24 ± 0.35	1.29 ± 0.10	-	0.79 ± 0.06	0.80 ± 0.04	-	0.0142 ± 0.0065	0.0174 ± 0.0038	*

* Significant differences between neighbourhoods by non-overlapping confidence intervals (CI); - No significant differences by overlapping confidence intervals.

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Table S3. Significant differences between neighbourhoods for cumulative growth and mean annual increment for *Nothofagus obliqua* by non-overlapping confidence intervals (CI) using a significance level of 0.05. Also shown, average ($\bar{\bar{x}}$) and standard deviation (S_x) according to neighbourhood (DR or EN) for each age

	Eq. [1] Cumulative growths curves						Eq. [3] Curves for mean annual increment					
	Diameter (cm)			Height (m)			Volume (m^3)			Δ d (cm $year^{-1}$)			Δ h (m $year^{-1}$)			Δ v (m^3 $year^{-1}$)		
Age	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI	$\bar{x} \pm S_x$ DN	$\bar{x} \pm S_x$ EN	CI
1	0.00 ± 0.00	0.00 ± 0.00	-	0.23 ± 0.19	0.32 ± 0.20	-	0.0000 ± 0.0000	0.0000 ± 0.0000	-	0.00 ± 0.00	0.00 ± 0.00	-	0.23 ± 0.19	0.32 ± 0.20	-	0.0000 ± 0.0000	0.0000 ± 0.0000	-
2	0.00 ± 0.00	0.00 ± 0.00	-	0.46 ± 0.25	0.58 ± 0.30	-	0.0000 ± 0.0000	0.0000 ± 0.0000	-	0.00 ± 0.00	0.00 ± 0.00	-	0.23 ± 0.12	0.29 ± 0.15	-	0.0000 ± 0.0000	0.0000 ± 0.0000	-
3	0.00 ± 0.00	0.06 ± 0.13	-	0.72 ± 0.30	0.87 ± 0.54	-	0.0001 ± 0.0000	0.0000 ± 0.0000	-	0.00 ± 0.00	0.02 ± 0.04	-	0.24 ± 0.10	0.29 ± 0.18	-	0.0000 ± 0.0000	0.0000 ± 0.0000	-
4	0.04 ± 0.09	0.10 ± 0.23	-	1.01 ± 0.36	1.19 ± 0.78	-	0.0002 ± 0.0001	0.0001 ± 0.0001	-	0.01 ± 0.02	0.03 ± 0.06	-	0.25 ± 0.09	0.30 ± 0.20	*	0.0000 ± 0.0000	0.0000 ± 0.0000	-
5	0.22 ± 0.31	0.23 ± 0.52	-	1.33 ± 0.48	1.45 ± 0.93	-	0.0003 ± 0.0002	0.0003 ± 0.0003	-	0.04 ± 0.06	0.05 ± 0.10	-	0.27 ± 0.10	0.29 ± 0.19	*	0.0001 ± 0.0000	0.0001 ± 0.0001	-
6	0.54 ± 0.69	0.71 ± 0.71	-	1.80 ± 0.68	2.55 ± 0.83	*	0.0005 ± 0.0005	0.0006 ± 0.0005	-	0.09 ± 0.12	0.12 ± 0.12	-	0.30 ± 0.11	0.43 ± 0.14	*	0.0001 ± 0.0001	0.0001 ± 0.0001	-
7	1.06 ± 1.04	1.29 ± 0.81	-	2.73 ± 1.09	3.85 ± 0.94	*	0.0009 ± 0.0009	0.0012 ± 0.0009	-	0.15 ± 0.15	0.18 ± 0.12	-	0.39 ± 0.16	0.55 ± 0.13	*	0.0001 ± 0.0001	0.0002 ± 0.0001	-
8	1.86 ± 1.62	2.51 ± 0.93	-	3.95 ± 1.17	5.60 ± 1.10	*	0.0018 ± 0.0017	0.0027 ± 0.0019	-	0.23 ± 0.20	0.31 ± 0.12	-	0.49 ± 0.15	0.70 ± 0.14	*	0.0002 ± 0.0002	0.0003 ± 0.0002	-
9	2.93 ± 2.26	3.94 ± 0.84	-	4.85 ± 1.41	6.65 ± 0.72	*	0.0037 ± 0.0039	0.0057 ± 0.0033	-	0.33 ± 0.25	0.44 ± 0.09	-	0.54 ± 0.16	0.74 ± 0.08	*	0.0004 ± 0.0004	0.0006 ± 0.0004	-
10	4.36 ± 2.54	5.34 ± 0.85	-	5.60 ± 1.30	7.45 ± 0.96	*	0.0080 ± 0.0071	0.0105 ± 0.0045	-	0.44 ± 0.25	0.53 ± 0.09	-	0.56 ± 0.13	0.75 ± 0.10	*	0.0008 ± 0.0007	0.0010 ± 0.0005	-
11	6.02 ± 2.57	6.82 ± 0.93	-	6.47 ± 1.18	8.25 ± 0.54	*	0.0149 ± 0.0108	0.0179 ± 0.0057	-	0.55 ± 0.23	0.62 ± 0.08	-	0.59 ± 0.11	0.75 ± 0.05	*	0.0014 ± 0.0010	0.0016 ± 0.0005	-
12	7.95 ± 2.45	8.14 ± 1.06	-	7.28 ± 0.98	9.18 ± 0.42	*	0.0251 ± 0.0140	0.0282 ± 0.0073	-	0.66 ± 0.20	0.68 ± 0.09	-	0.61 ± 0.08	0.76 ± 0.04	*	0.0021 ± 0.0012	0.0023 ± 0.0006	-
13	9.65 ± 2.32	9.37 ± 1.08	-	8.11 ± 0.90	9.91 ± 0.30	*	0.0376 ± 0.0171	0.0397 ± 0.0088	-	0.74 ± 0.18	0.72 ± 0.08	-	0.62 ± 0.07	0.76 ± 0.02	*	0.0029 ± 0.0013	0.0031 ± 0.0007	-
14	11.10 ± 2.13	10.50 ± 1.25	-	8.79 ± 0.85	10.69 ± 0.37	*	0.0515 ± 0.0189	0.0527 ± 0.0106	-	0.79 ± 0.15	0.75 ± 0.09	-	0.63 ± 0.06	0.76 ± 0.03	*	0.0037 ± 0.0013	0.0038 ± 0.0008	-
15	12.14 ± 1.97	11.59 ± 1.38	-	9.46 ± 0.75	11.46 ± 0.44	*	0.0658 ± 0.0198	0.0666 ± 0.0122	-	0.81 ± 0.13	0.77 ± 0.09	-	0.63 ± 0.05	0.76 ± 0.03	*	0.0044 ± 0.0013	0.0044 ± 0.0008	-
16	13.16 ± 1.87	12.61 ± 1.59	-	10.04 ± 0.79	12.24 ± 0.55	*	0.0835 ± 0.0210	0.0828 ± 0.0149	-	0.82 ± 0.12	0.79 ± 0.10	-	0.63 ± 0.05	0.76 ± 0.03	*	0.0052 ± 0.0013	0.0052 ± 0.0009	-
17	14.25 ± 1.81	13.77 ± 1.93	-	10.62 ± 0.86	13.01 ± 0.67	*	0.1058 ± 0.0237	0.1038 ± 0.0197	-	0.84 ± 0.11	0.81 ± 0.11	-	0.62 ± 0.05	0.77 ± 0.04	*	0.0062 ± 0.0014	0.0061 ± 0.0012	-
18	15.20 ± 1.76	14.74 ± 2.00	-	11.20 ± 0.93	13.78 ± 0.80	*	0.1267 ± 0.0256	0.1248 ± 0.0229	-	0.84 ± 0.10	0.82 ± 0.11	-	0.62 ± 0.05	0.77 ± 0.04	-	0.0070 ± 0.0014	0.0069 ± 0.0013	-

* Significant differences between neighbourhoods by non-overlapping confidence intervals (CI); - No significant differences by overlapping confidence intervals.