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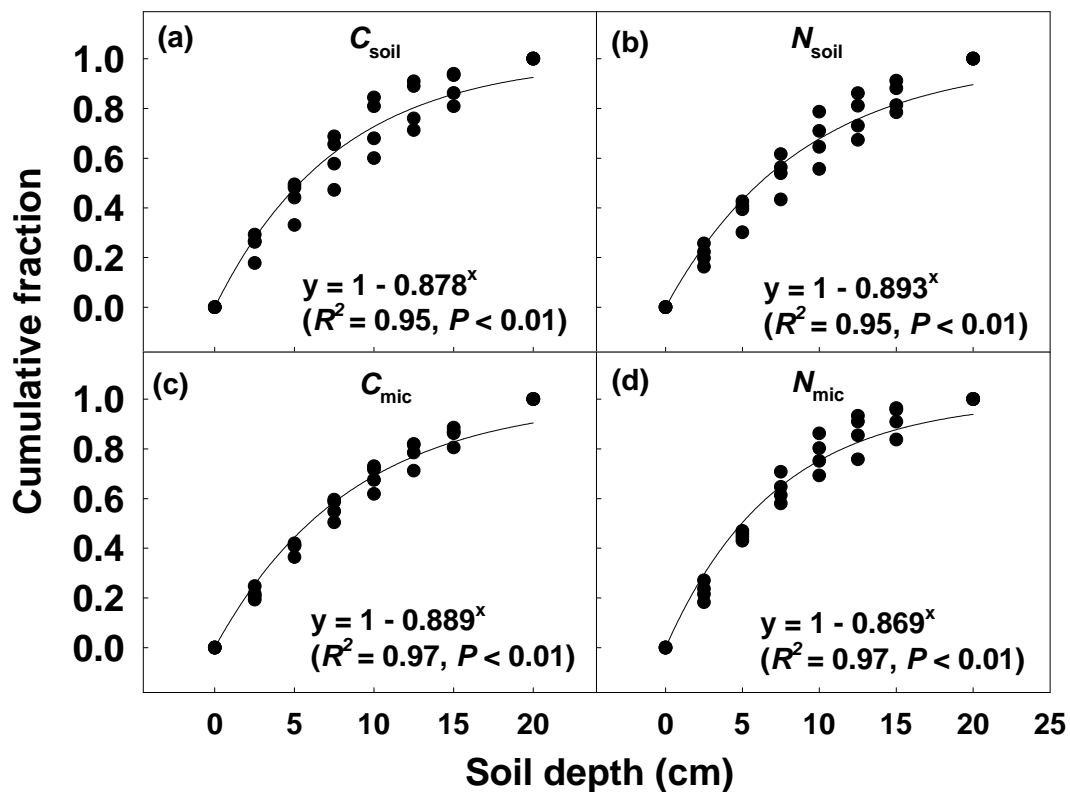
## **Reviews and syntheses: Soil resources and climate jointly drive variations in microbial biomass carbon and nitrogen in China's forest ecosystems**

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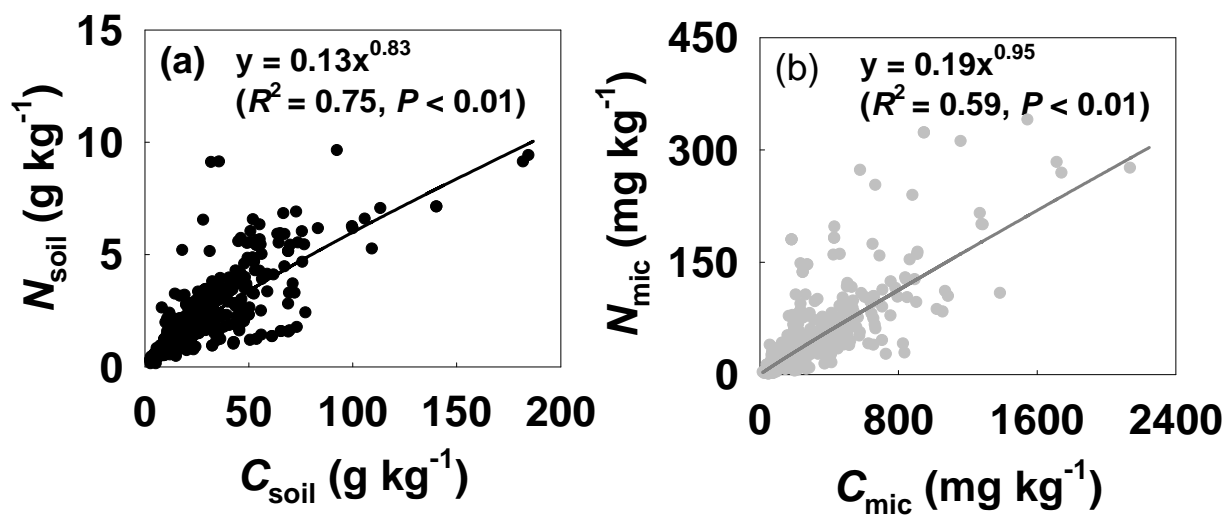
Figure S1. Cumulative fraction of soil organic carbon ( $C_{\text{soil}}$ ), soil total nitrogen ( $N_{\text{soil}}$ ), soil microbial carbon ( $C_{\text{mic}}$ ), or soil microbial biomass nitrogen ( $N_{\text{mic}}$ ) from the soil surface to the 20 cm depth.



The regressions are derived from Xu *et al.* (2011) and of the form:  $y = 1 - b^x$ , where  $b$  is the regression coefficient,  $x$  is the soil depth, and  $y$  is the cumulative fraction of  $C_{\text{soil}}$ ,  $N_{\text{soil}}$ ,  $C_{\text{mic}}$ , or  $N_{\text{mic}}$  from the soil surface to depth  $x$ . All the equations are highly significant ( $P < 0.001$ ).

Xu, X.K., Miao, H.Y. and Chen, Z.: The vertical distribution and their relationship of dissolved organic carbon and exchangeable metals in Chinese old-growth forest soils, *African J. Agric. Res.*, 6, 998-1008, 2011.

Figure S2. Relationships between carbon and nitrogen for soil and microbial biomass



$C_{\text{soil}}$ ,  $N_{\text{soil}}$ ,  $C_{\text{mic}}$ , and  $N_{\text{mic}}$  stand for soil organic carbon, soil total nitrogen, microbial biomass carbon, and microbial biomass nitrogen, respectively.

Table S1. Data set used in this study (0 – 20 cm).

CZ	MR	Lat.	MAT	MAP	$C_{\text{soil}}$	$N_{\text{soil}}$	$C_{\text{mic}}$	$N_{\text{mic}}$	$C_{\text{soil}}:N_{\text{soil}}$	$C_{\text{mic}}:N_{\text{mic}}$	$C_{\text{mic}}/C_{\text{soil}}$	$N_{\text{mic}}/N_{\text{soil}}$	Ref.	
HF	PF	31.7	11.0	494.8	11.4	2.1	391.5		5.4		3.4		86	
	PF	31.7	11.0	494.8	16.6	1.3	393.3		13.0		2.4			
	PF	31.7	11.0	494.8	29.2	3.5	686.5		8.4		2.4			
	NF	31.7	11.0	494.8	19.9	2.8	760.0		7.2		3.8			
	NF	31.7	11.0	494.8	23.1	2.3	555.7		10.0		2.4			
	NF	31.7	11.0	494.8	65.0	5.9	842.5		10.9		1.3			
	PF	31.7	8.9	900.0	32.2		549.8				1.7			135
	NF	31.7	8.9	900.0	40.6		653.8				1.6			
	NF	29.8	3.8	1949.0	56.3	3.9	767.2		14.4		1.4			138
	PF	29.8	3.8	1949.0	11.1	0.6	244.2		18.4		2.2			
	PF	29.8	3.8	1949.0	11.7	0.6	335.3		19.1		2.9			
	PF	31.6	9.0	850.0	30.1		331.3				1.1			169
	NF	31.8	9.0	850.0	27.4		265.3							154
	NF	31.8	9.0	850.0	53.2		349.6							
NF	31.8	9.0	850.0	79.4		694.6								
NF	29.6	9.8	1134.0	65.5	1.6	428.3	182.7	41.2	2.3	0.7	11.5	90		
NF	29.6	9.8	1134.0	61.1	1.4	273.8	147.1	45.0	1.9	0.4	10.8			
NF	29.6	9.8	1134.0	42.7	1.1	241.9	77.3	38.9	3.1	0.6	7.0			
NF	29.6	9.8	1134.0	32.3	0.9	233.5	85.4	34.3	2.7	0.7	9.1			
NF	31.0	8.4	861.8	32.7	2.7	79.4	22.5	12.2	3.5	0.2	0.8	35		
NF	30.9	8.4	861.8	48.8	3.7	126.6	35.9	13.2	3.5	0.3	1.0			
NF	30.9	8.4	861.8	45.8	3.8	112.7	36.3	12.1	3.1	0.2	1.0			
NF	31.3	3.0	850.0	99.9	6.2		7.4	16.2			0.1	163		
PF	31.3	3.0	850.0	109.1	5.3		8.3	20.7			0.2			
NF	31.3	3.0	850.0	99.6	6.3		12.3	15.9			0.2			
NF	31.5	8.1	750.0	33.3		577.7				1.7		95		
NF	31.5	8.1	750.0	47.3		1543.6				3.3				

NF	31.5	5.5	750.0	54.6		2070.7			3.8	
NF	31.5	5.5	750.0	63.9		2247.5			3.5	
NF	31.5	4.3	750.0	77.2		432.4			0.6	
NF	31.5	4.3	750.0	86.7		871.2			1.0	
NF	31.5	4.0	750.0	85.1		1145.8			1.3	
NF	31.5	4.0	750.0	84.3		1534.1			1.8	
NF	31.5	3.7	750.0	50.6		808.1			1.6	
NF	31.6	8.0	850.0	64.8		608.2			0.9	47
PF	31.6	8.0	850.0	33.3		389.6			1.2	
PF	31.8	8.0	850.0	49.1		482.3			1.0	
PF	31.8	8.0	850.0	69.3		653.0			0.9	
PF	31.8	9.0	850.0	47.2	2.5	475.1	19.1		1.0	140
PF	31.8	9.0	850.0	52.5	4.7	493.0	11.2		0.9	
NF	31.8	9.0	850.0	140.2	7.1	614.9	19.6		0.4	
NF	31.7	8.6	919.5	25.8	1.7	325.0	15.3		1.3	67
NF	31.7	8.6	919.5	16.5	1.6	368.6	10.5		2.2	
PF	31.7	8.6	919.5	26.1	2.7	329.3	9.6		1.3	
PF	31.7	8.6	919.5	24.4	2.6	352.2	9.4		1.4	
PF	31.7	8.6	919.5	19.2	1.2	353.3	15.8		1.8	
PF	31.7	8.6	919.5	26.4	2.8	308.4	9.5		1.2	
PF	31.7	8.6	919.5	16.7	1.9	331.9	8.7		2.0	
PF	31.7	8.6	919.5	18.9	1.6	372.0	11.6		2.0	
PF	31.7	8.6	919.5	17.0	1.4	416.0	12.3		2.5	
PF	31.7	8.6	919.5	15.3	2.0	337.2	7.7		2.2	
PF	31.7	8.6	919.5	24.5	2.9	407.7	8.5		1.7	
PF	30.0	16.1	1772.2	23.1		409.4	26.7	15.3	1.8	137
PF	30.0	16.1	1772.2	30.1		406.8	36.1	11.3	1.4	
PF	30.0	16.1	1772.2	41.2		520.3	44.8	11.6	1.3	
PF	30.1	9.0	850.0	13.4		305.1			2.3	55
PF	30.1	9.0	850.0	12.3		236.4			1.9	

PF	30.1	9.0	850.0	7.8		201.5				2.6		
PF	30.1	9.0	850.0	7.3		188.4				2.6		
NF	31.3	1.6	850.0	29.2	1.6	199.5	22.2	17.9	9.0	0.7	1.4	108
PF	30.2	16.0	1250.2	62.3		104.3				0.2		89
PF	31.8	9.0	850.0	47.2	2.5	448.5		19.1		1.0		185
PF	31.8	9.0	850.0	52.5	4.7	520.9		11.2		1.0		
NF	31.8	9.0	850.0	140.2	7.1	463.0		19.6		0.3		
PF	31.8	12.0	584.0	33.2	3.5	585.1	108.9	9.5	5.4	1.8	3.1	127
PF	31.8	12.0	584.0	31.6	3.5	483.7	91.4	9.1	5.3	1.5	2.6	
PF	31.8	12.0	584.0	29.0	3.0	426.0	70.4	9.7	6.1	1.5	2.4	
PF	31.8	12.0	584.0	30.4	3.4	604.6	103.7	8.9	5.8	2.0	3.0	
PF	31.8	12.0	584.0	28.3	3.0	520.1	82.0	9.5	6.3	1.8	2.8	
PF	31.8	12.0	584.0	30.4	3.3	535.0	89.3	9.2	6.0	1.8	2.7	
PF	31.7	9.3	825.2	26.5	2.4	286.2	82.1	10.9	3.5	1.1	3.4	49
PF	31.7	9.3	825.2	36.6	3.2	509.0	76.7	11.5	6.6	1.4	2.4	
PF	31.7	8.9	900.0	29.2	3.5	705.7	90.9	8.4	7.8	2.4	2.6	85
PF	31.7	8.9	900.0	11.4	2.1	393.0	52.5	5.4	7.5	3.5	2.5	
NF	31.7	8.9	900.0	19.9	2.8	650.0	174.7	7.2	3.7	3.3	6.3	
PF	31.7	8.9	900.0	16.6	1.3	360.7	77.2	13.0	4.7	2.2	6.0	
NF	31.5	11.0	500.0	37.7		287.9				0.8		133
NF	31.5	11.0	500.0	35.9		267.1				0.7		
PF	31.5	11.0	500.0	28.7		242.0				0.8		
PF	31.5	11.0	500.0	29.5		250.1				0.8		
PF	31.5	11.0	500.0	27.6		248.7				0.9		
PF	31.5	11.0	500.0	21.1		186.1				0.9		
PF	30.0	16.7	1233.0	13.3		223.6				1.7		27
PF	30.0	16.7	1233.0	12.1		179.1				1.5		
PF	30.0	16.7	1233.0	10.4		140.3				1.3		
PF	31.8	8.0	850.0	47.2		476.2				1.0		199
PF	31.8	8.0	850.0	52.5		490.3				0.9		

	NF	31.8	8.0	850.0	140.2		611.1				0.4		
	NF	29.6	-0.7	1134.0	65.5	1.6	428.4	182.7	41.2	2.3	0.7	11.5	201
	NF	29.6	-0.7	1134.0	61.1	1.4	273.8	147.1	44.9	1.9	0.4	10.8	
	NF	29.6	-0.7	1134.0	42.7	1.1	241.9	77.3	38.8	3.1	0.6	7.0	
	NF	29.6	-0.7	1134.0	32.3	0.9	233.5	85.4	34.4	2.7	0.7	9.1	
	NF	29.6	-0.7	1134.0	22.4	0.8	15.9	3.4	27.2	4.6	0.1	0.4	91
	NF	29.6	-0.7	1134.0	42.5	1.0	71.8	4.6	41.6	15.6	0.2	0.5	
	NF	29.7	-0.7	1134.0	69.0	1.6	166.0	51.0	44.1	3.3	0.2	3.3	
	NF	29.6	-0.7	1134.0	50.6	1.2	85.4	22.2	42.3	3.8	0.2	1.9	
	NF	29.6	-0.7	1134.0	53.6	1.2	97.9	24.4	43.2	4.0	0.2	2.0	
	NF	29.6	-0.7	1134.0	55.9	1.4	127.3	42.5	39.3	3.0	0.2	3.0	
	NF	29.6	-0.7	1134.0	69.6	1.6	299.9	51.7	42.8	5.8	0.4	3.2	
	NF	29.6	-0.7	1134.0	73.0	1.8	312.0	73.2	41.1	4.3	0.4	4.1	
	NF	29.6	-0.7	1134.0	77.2	2.4	424.0	160.0	32.0	2.6	0.5	6.6	
	NF	31.7	8.9	919.5	52.4	3.3	752.8	78.9	16.1	9.5	1.4	2.4	8
CT	NF	47.6	1.9	555.0	45.8		760.7				1.7		172
	PF	42.5	-1.4	450.0	4.8	0.6	74.7	2.1	8.3	35.0	1.6	0.4	184
	PF	42.5	-1.4	450.0	8.3	0.8	71.5	2.5	9.8	28.4	0.9	0.3	
	PF	42.5	-1.4	450.0	7.3	0.6	48.6	1.2	11.4	41.3	0.7	0.2	
	PF	42.5	-1.4	450.0	6.3	0.6	24.5	1.8	9.7	13.7	0.4	0.3	
	PF	42.5	-1.4	450.0	6.3	0.6	47.8	1.4	9.8	34.3	0.8	0.2	
	PF	42.5	-1.4	450.0	12.1	1.2	59.1	1.9	9.7	31.8	0.5	0.2	
	PF	42.5	-1.4	450.0	16.5	1.7	96.2	3.8	9.5	25.1	0.6	0.2	
	NF	42.5	-1.4	450.0	13.4	1.4	78.2	2.2	9.8	35.2	0.6	0.2	
	NF	42.5	-1.4	450.0	8.0	0.9	75.4	4.9	8.7	15.3	0.9	0.5	
	NF	48.6	1.9	575.0	50.0	2.3	1658.0		21.5		3.3		37
	NF	42.5	1.2	920.0	40.5	4.0	637.4		10.2		1.6		20
	PF	42.5	1.2	920.0	30.2	3.0	431.6		10.0		1.4		
	PF	42.8	6.4	450.0	2.7	0.2	81.8		17.1		3.0		170
	NF	47.6	1.9	575.0	50.0	2.3	705.8		21.5		1.4		179

PF	45.4	2.8	723.0	69.8	5.4	661.0	97.5	12.8	6.8	0.9	1.8	34
NF	41.9	4.7	775.0	35.9	3.6	476.9	75.1	9.9	6.4	1.3	2.1	157
PF	41.9	4.7	775.0	23.1	2.3	303.3	41.9	9.9	7.2	1.3	1.8	
NF	41.9	4.7	775.0	39.1	3.3	515.3	39.5	11.9	13.0	1.3	1.2	158
PF	41.9	4.7	775.0	29.7	2.8	348.6	28.5	10.7	12.2	1.2	1.0	
NF	47.2	-0.3	710.0	64.3	5.5	879.8	239.8	11.6	3.7	1.4	4.3	99
NF	47.2	-0.3	710.0	53.0	4.3	665.1	253.3	12.3	2.6	1.3	5.9	
PF	47.2	-0.3	710.0	44.2	2.2	505.0	122.3	19.8	4.1	1.1	5.5	
PF	47.2	-0.3	710.0	58.8	4.1	460.1	161.2	14.2	2.9	0.8	3.9	
NF	42.4	2.8	750.0	29.2	2.9	849.4	103.3	10.0	8.2	2.9	3.5	150
NF	42.4	2.8	750.0	33.4	2.4	637.0	97.6	13.8	6.5	1.9	4.0	
NF	42.4	2.8	750.0	52.1	3.3	909.2	163.9	15.8	5.5	1.7	5.0	
PF	43.0	6.0	450.0	4.7		71.3				1.5		73
PF	42.6	6.5	920.0	19.9		118.9				0.6		
PF	42.6	6.5	920.0	17.8		247.9				1.4		
PF	42.6	6.5	920.0	18.4		179.0				1.0		
PF	41.9	4.7	775.0	22.9	2.0	403.7	45.1	11.7	9.0	1.8	2.3	156
PF	41.9	4.7	775.0	21.5	1.8	290.6	37.4	11.9	7.8	1.4	2.1	
NF	45.4	2.8	723.0	55.1	4.3	754.5	124.4	12.9	6.1	1.4	2.9	26
NF	45.4	2.8	723.0	44.4	3.7	1039.7		12.0		2.3		65
NF	45.4	2.8	723.0	63.7	5.9	1281.5		10.8		2.0		
PF	45.4	2.8	723.0	56.1	5.0	989.8		11.2		1.8		
NF	51.8	-2.8	450.0	47.9	3.5	667.3	61.7	13.7	10.8	1.4	1.8	2
PF	51.8	-2.4	470.0	35.5		161.6				0.5		114
NF	46.4	3.2	540.0	33.6	2.1	264.8	39.0	16.1	6.8	0.8	1.9	58
NF	46.4	3.2	540.0	18.8	1.0	263.5	17.6	18.2	14.9	1.4	1.7	
NF	46.4	3.2	540.0	24.0	1.6	134.7	24.4	15.3	5.5	0.6	1.6	
NF	44.4	2.7	700.0	26.0	1.5	158.6	52.4	17.5	3.0	0.6	3.5	
NF	44.4	2.7	700.0	15.7	0.7	249.4	52.1	21.4	4.8	1.6	7.1	
NF	44.4	2.7	700.0	23.3	1.4	266.8	49.6	16.9	5.4	1.1	3.6	



NF	42.4	2.5	689.0	22.0		331.4	47.9		6.9	1.5		1
NF	42.4	-0.5	855.0	27.7		662.9	66.8		9.9	2.4		
NF	42.4	-3.3	1074.0	64.8		305.6	32.9		9.3	0.5		
PF	42.4	-1.2	437.8	12.2		237.7				1.9		131
NF	44.2	3.6	506.4	47.6	2.0	137.6	9.6	23.5	14.4	0.3	0.5	40
NF	44.1	3.6	506.4	37.4	3.1	198.6	10.5	12.1	18.9	0.5	0.3	
NF	44.1	3.6	506.4	32.5	3.0	181.9	8.4	10.8	21.8	0.6	0.3	
NF	44.1	3.6	506.4	40.8	3.7	185.5	10.0	11.0	18.6	0.5	0.3	
NF	44.1	3.6	506.4	38.8	3.3	177.5	8.8	11.7	20.1	0.5	0.3	
NF	51.6	-4.0	458.3	40.6	1.9	864.0	153.6	21.8	5.6	2.1	8.3	53
NF	45.4	2.8	773.0	44.0	3.7	191.4	55.2	11.9	3.5	0.4	1.5	109
NF	45.4	2.8	773.0	51.8	4.9	192.3	66.8	10.6	2.9	0.4	1.4	
NF	45.4	2.8	773.0	68.8	5.1	205.8	44.9	13.4	4.6	0.3	0.9	
PF	45.4	2.8	773.0	49.0	3.5	199.0	43.0	14.0	4.6	0.4	1.2	
PF	45.4	2.8	773.0	58.9	3.4	576.2	56.8	17.6	10.1	1.0	1.7	81
PF	45.4	2.8	773.0	45.8	2.9	470.2	45.4	15.8	10.4	1.0	1.6	
NF	45.4	2.8	773.0	69.4	3.3	488.8	53.1	21.1	9.2	0.7	1.6	
NF	45.4	2.8	773.0	83.2	6.2	902.1	96.8	13.5	9.3	1.1	1.6	
NF	45.4	2.8	773.0	72.0	3.3	654.6	75.1	21.8	8.7	0.9	2.3	
NF	48.1	-0.5	715.0	71.1	3.7	489.4		19.1		0.7		105
NF	48.1	-0.5	715.0	36.2	3.9	359.5		9.2		1.0		
NF	47.2	-0.3	676.0	32.4	3.8	525.2	72.9	8.5	7.2	1.6	1.9	75
NF	47.2	-0.3	676.0	33.1	3.5	536.4	77.0	9.4	7.0	1.6	2.2	
NF	47.2	-0.3	676.0	39.4	3.0	649.1	97.3	13.2	6.7	1.6	3.3	
PF	47.2	-0.3	676.0	31.8	3.3	517.1	67.0	9.7	7.7	1.6	2.0	
PF	47.2	-0.3	676.0	42.5	2.8	524.7	71.5	15.0	7.3	1.2	2.5	
PF	47.2	-0.3	676.0	31.6	3.3	342.8	48.8	9.5	7.0	1.1	1.5	
NF	51.4	-3.0	500.0	33.7	2.4	419.2	42.9	13.9	9.8	1.2	1.8	188
NF	42.4	2.4	750.0	34.6	2.2	385.7	54.7	15.8	7.1	1.1	2.5	32
NF	42.4	2.4	750.0	31.0	1.8	270.8	46.6	16.9	5.8	0.9	2.5	

	NF	42.4	2.4	750.0	25.3	1.5	257.3	35.5	17.1	7.3	1.0	2.4	
	NF	42.4	2.4	750.0	36.8	2.2	422.3	42.9	16.4	9.8	1.1	1.9	
	NF	42.4	2.4	750.0	34.1	2.2	411.9	56.7	15.6	7.3	1.2	2.6	
	NF	42.3	2.4	750.0	39.3	2.3	288.0	51.5	17.1	5.6	0.7	2.2	
	NF	42.2	2.4	750.0	32.2	1.8	429.2	46.1	17.7	9.3	1.3	2.5	
WT	PF	36.0	7.4	587.6	15.1	1.1	344.5	58.5	13.8	5.9	2.3	5.4	43
	PF	36.1	7.4	587.6	17.2	1.3	334.3	57.8	12.8	5.8	1.9	4.3	
	PF	36.1	7.4	587.6	14.8	1.0	379.6	29.6	14.8	12.8	2.6	3.0	
	PF	36.1	7.4	587.6	22.3	2.0	528.0	73.8	11.3	7.2	2.4	3.7	
	PF	35.8	7.4	587.6	12.8	1.2	279.0		11.2		2.2		167
	PF	35.8	7.4	587.6	18.4	1.5	421.1		12.7		2.3		
	PF	35.8	7.4	587.6	23.3	1.7	551.6		13.7		2.4		
	PF	35.8	7.4	587.6	23.9	1.7	583.7		13.7		2.4		
	PF	36.8	8.8	505.3	5.9	0.7	285.6	40.7	8.1	7.0	4.8	5.6	151
	PF	36.8	8.8	505.3	5.7	0.7	304.0	41.3	8.1	7.4	5.3	5.8	
	PF	36.8	8.8	505.3	6.4	0.7	287.5	26.8	9.7	10.7	4.5	4.0	
	PF	36.8	8.8	505.3	6.8	0.8	316.1	34.5	8.5	9.2	4.6	4.3	
	PF	36.8	8.8	505.3	9.3	0.9	313.4	31.0	10.5	10.1	3.4	3.5	
	NF	37.3	0.8	424.5	76.7	5.5	504.2	57.6	14.1	8.8	0.7	1.1	153
	NF	37.3	0.8	424.5	113.2	7.1	513.4	80.3	16.0	6.4	0.5	1.1	
	NF	37.3	0.8	424.5	105.7	6.6	503.5	53.4	16.0	9.4	0.5	0.8	
	NF	37.8	-1.7	580.0	66.5	6.8	643.4	81.8	9.7	7.9	1.0	1.2	98
	NF	38.8	6.2	330.0	5.2	0.2	200.1	5.3	33.4	37.7	3.8	3.4	46
	NF	38.8	2.3	340.5	75.7	4.7	514.3	90.4	16.2	5.7	0.7	1.9	74
	NF	38.8	4.9	280.4	61.9	4.1	449.0	72.5	15.0	6.2	0.7	1.8	
	NF	38.7	7.0	224.0	13.1	1.5	135.6	34.3	8.7	4.0	1.0	2.3	
	PF	35.0	14.3	641.7	9.3	1.2	397.8	36.4	7.5	10.9	4.3	2.9	189
	PF	35.0	14.3	641.7	10.4	1.2	376.4	33.5	8.6	11.2	3.6	2.8	
	PF	35.0	14.3	641.7	13.3	1.4	395.7	27.3	9.3	14.5	3.0	1.9	
	PF	33.9	14.3	904.6	12.9		475.0				3.7		100

NF	36.6	8.8	505.3	23.7		351.8				1.5		173
NF	36.6	8.8	505.3	14.3		230.3				1.6		
NF	36.6	8.8	505.3	23.5		405.2				1.7		
NF	36.6	8.8	505.3	8.7		129.9				1.5		
PF	36.6	8.8	505.3	7.8		103.7				1.3		
NF	36.6	8.8	505.3	30.3		465.9				1.5		
NF	35.3	8.3	623.5	8.5	0.9	119.3		9.0		1.4		115
NF	35.3	8.3	623.5	10.0	2.0	248.7		5.0		2.5		
NF	35.3	8.3	623.5	10.7	1.6	284.9		6.8		2.7		
NF	35.3	8.3	623.5	10.7	2.2	404.1		5.0		3.8		
PF	35.8	6.7	390.0	9.3	1.0	331.9	101.0	9.4	3.3	3.6	10.2	187
PF	35.8	6.7	390.0	5.8	0.6	263.2	107.0	9.2	2.5	4.6	17.1	
PF	35.8	6.7	390.0	6.1	0.7	224.7	82.1	8.6	2.7	3.7	11.6	
PF	36.7	9.9	550.0	2.8	0.3	71.1	18.9	8.4	3.8	2.6	5.8	31
PF	36.7	9.9	550.0	3.0	0.3	63.3	10.7	9.2	5.9	2.1	3.3	
PF	36.7	9.9	550.0	2.9	0.3	40.4	13.3	9.3	3.0	1.4	4.3	
PF	36.7	9.9	550.0	3.7	0.4	165.8	24.8	8.6	6.7	4.4	5.7	30
PF	36.7	9.9	550.0	5.8	0.6	181.1	37.2	9.8	4.9	3.1	6.3	
PF	36.7	9.9	550.0	2.8	0.3	40.4	13.2	8.4	3.1	1.5	4.0	
PF	36.7	9.9	550.0	3.0	0.3	63.5	10.4	9.2	6.1	2.1	3.2	
PF	36.7	9.9	550.0	2.9	0.3	70.5	18.9	9.3	3.7	2.4	6.0	
NF	36.4	9.0	500.0	15.5	1.2	473.8	42.3	13.3	11.2	3.1	3.6	193
NF	36.5	9.0	500.0	14.8	1.2	262.5	33.3	11.9	7.9	1.8	2.7	
PF	36.7	8.8	505.3	2.6	0.3	138.4		8.6		5.4		76
PF	36.8	8.8	505.3	3.3	0.3	200.2		11.5		6.0		
PF	36.7	8.8	505.3	3.6	0.5	221.8		7.6		6.1		
PF	36.8	8.8	505.3	5.1	0.6	303.0		8.2		6.0		
PF	36.8	8.8	505.3	3.2	0.4	181.8	20.6	8.8	8.8	5.8	5.7	152
PF	36.8	8.8	505.3	4.2	0.5	194.2	27.1	7.8	7.2	4.6	5.1	
PF	36.8	8.8	505.3	6.5	0.7	247.3	39.0	8.9	6.3	3.8	5.4	

PF	36.8	8.8	505.3	6.7	0.8	282.6	39.9	7.9	7.1	4.2	4.7	
PF	36.8	8.8	505.3	5.7	0.7	304.0	41.3	8.1	7.4	5.3	5.8	
PF	36.8	8.8	505.3	4.9	0.5	157.0	25.0	8.9	6.3	3.2	4.6	
PF	36.8	8.8	505.3	10.1	1.0	359.9	46.8	10.5	7.7	3.5	4.8	
NF	36.8	8.8	505.3	20.8	1.9	793.9	103.9	11.0	7.6	3.8	5.5	
PF	37.8	8.4	422.0	4.3		256.2	18.6		13.8	6.0		14
PF	37.8	8.4	422.0	4.9		267.5	7.8		34.5	5.5		
PF	37.8	8.4	422.0	4.0		216.8	6.4		33.8	5.4		
PF	37.8	8.4	422.0	2.8		146.8	7.1		20.6	5.2		
PF	37.8	8.4	422.0	4.7		173.2	11.8		14.7	3.7		
PF	36.6	9.0	500.0	6.7	0.9	242.5	23.3	7.8	10.4	3.6	2.7	194
PF	37.0	9.0	500.0	5.7	0.8	225.5	27.5	6.8	8.2	4.0	3.3	
PF	34.7	10.0	611.0	15.5	1.6	281.6	42.4	10.0	6.6	1.8	2.7	125
PF	34.7	10.0	611.0	16.1	1.7	537.3	98.9	9.6	5.4	3.3	5.9	
PF	34.7	10.0	611.0	13.5	1.4	459.2	92.1	9.4	5.0	3.4	6.4	
PF	34.3	14.0	850.0	35.6	3.0	556.4	63.6	11.9	8.7	1.6	2.1	96
PF	35.3	14.1	850.0	13.4		321.6				2.4		130
PF	35.3	14.1	850.0	14.5		410.4				2.8		
NF	36.6	6.2	662.0	45.3	1.7	236.1	76.2	26.6	3.1	0.5	4.5	56
PF	36.0	7.0	420.0	13.9	0.9	483.1	40.0	15.1	12.1	3.5	4.3	9
PF	36.0	7.0	420.0	13.3	1.3	401.1	28.0	10.0	14.3	3.0	2.1	10
PF	36.0	7.0	420.0	14.9	0.5	573.8	51.9	31.0	11.1	3.9	10.8	
NF	40.0	6.5	575.0	22.6	2.8	356.5	42.1	8.1	8.5	1.6	1.5	171
NF	40.0	6.5	575.0	23.0	2.8	325.1	42.2	8.3	7.7	1.4	1.5	
NF	40.0	6.5	575.0	24.5	3.0	346.6	41.9	8.3	8.3	1.4	1.4	
PF	35.0	14.3	641.7	9.3	1.2	397.6	36.0	7.5	11.1	4.3	2.9	190
PF	35.0	14.3	641.7	10.4	1.2	378.3	33.1	8.6	11.4	3.6	2.7	
PF	35.0	14.3	641.7	13.3	1.4	400.6	26.6	9.3	15.0	3.0	1.9	
NF	34.3	11.0	750.0	37.6		529.6				1.4		110
NF	34.2	11.0	750.0	18.3		273.4				1.5		

	NF	34.2	11.0	750.0	18.7		470.4				2.5		
	NF	34.2	11.0	750.0	22.5		417.2				1.9		
	NF	34.2	11.0	750.0	44.0		502.3				1.1		
	NF	34.2	11.0	750.0	30.8		512.4				1.7		
	PF	34.6	8.7	800.0	34.5	1.2	82.7	32.3	29.2	2.6	0.2	2.7	160
	PF	34.6	8.7	800.0	20.1	0.7	67.0	26.4	27.1	2.5	0.3	3.6	
	PF	34.6	8.7	800.0	15.3	0.8	67.0	21.2	19.6	3.2	0.4	2.7	
	PF	34.6	8.7	800.0	12.0	1.1	79.0	15.6	11.0	5.1	0.7	1.4	
	PF	34.6	8.7	800.0	10.9	0.7	53.4	15.2	16.0	3.5	0.5	2.2	
	PF	34.6	8.7	800.0	19.1	0.8	70.0	30.4	23.5	2.3	0.4	3.8	
	NF	34.6	8.7	800.0	73.6	5.5	220.0	67.6	13.3	3.3	0.3	1.2	
	NF	34.6	8.7	800.0	51.4	3.3	134.0	42.4	15.5	3.2	0.3	1.3	
	PF	34.6	8.7	800.0	45.4	1.6	207.0	50.2	28.2	4.1	0.5	3.1	
	NF	36.0	7.4	587.6	12.1		344.5				2.9		44
	NF	36.1	7.4	587.6	17.2		334.2				1.9		
	NF	36.1	7.4	587.6	14.8		379.6				2.6		
	NF	36.1	7.4	587.6	22.3		527.9				2.4		
	PF	36.1	7.4	587.6	11.8		272.0				2.3		
ST	NF	24.5	14.5	1840.0	46.4	3.0	1054.9		15.4		2.3		22
	NF	26.9	16.5	1300.0	17.7		233.4				1.3		174
	PF	26.9	16.5	1300.0	13.8		98.2				0.7		
	PF	26.9	16.5	1300.0	15.5		171.5				1.1		
	PF	26.9	16.5	1300.0	13.9		131.8				0.9		
	PF	23.2	22.7	1956.0	11.4		325.8				2.9		66
	PF	23.2	20.9	1956.0	15.1		425.9				2.8		
	NF	23.2	20.4	1956.0	20.8		541.8				2.6		
	NF	26.8	16.5	1300.0	23.0	1.7	493.9		13.7		2.2		119
	PF	26.8	16.5	1300.0	22.2	1.2	257.8		17.8		1.2		
	PF	26.8	16.5	1300.0	15.2	1.1	239.3		14.3		1.6		
	NF	30.9	15.3	1286.0	18.8	1.4	390.5		13.2		2.1		64

PF	30.9	15.3	1286.0	15.7	1.5	312.4		10.3	2.0			
PF	30.9	15.3	1286.0	13.3	1.6	245.6		8.5	1.8			
PF	30.9	15.3	1286.0	12.9	1.6	219.5		8.0	1.7			
NF	26.9	16.5	1300.0	27.3	2.2	249.1		12.6	0.9			78
PF	26.9	16.5	1300.0	19.5	1.3	184.4		14.6	0.9			
PF	26.9	16.5	1300.0	18.0	1.2	147.9		14.7	0.8			
PF	26.9	16.5	1300.0	13.9	0.9	132.7		14.8	1.0			
PF	26.9	16.5	1300.0	12.3	1.2	159.8		9.9	1.3			
PF	26.9	16.5	1300.0	14.2	1.3	191.6		11.0	1.3			
PF	26.9	16.5	1300.0	10.1	1.0	181.3		10.1	1.8			
PF	26.9	16.5	1300.0	7.3	0.8	164.2		8.8	2.2			
NF	25.3	14.3	1672.0	92.3	9.6	1711.9	283.9	9.6	6.0	1.9	2.9	88
NF	25.3	14.3	1672.0	49.4	4.8	1268.5	215.6	10.2	5.9	2.6	4.4	
PF	25.3	14.3	1672.0	28.9	1.7	501.5	86.1	17.2	5.8	1.7	5.1	
NF	26.2	19.1	1749.0	26.8		822.9				3.1		161
PF	26.2	19.1	1749.0	18.8		489.4				2.6		
PF	26.2	19.1	1749.0	17.3		407.5				2.4		
PF	23.2	21.5	1956.0	13.1	0.9	291.0		14.7	2.2			7
NF	23.2	21.5	1956.0	12.6	0.8	346.2		15.3	2.7			
NF	23.2	21.5	1956.0	15.9	1.7	485.1		9.5	3.1			
PF	27.1	17.9	1237.0	8.0	0.5	119.4		14.8	1.5			197
PF	27.1	17.9	1237.0	10.7	0.7	128.5		14.6	1.2			
PF	27.1	17.9	1237.0	10.6	0.7	142.4		14.3	1.3			
NF	27.1	17.9	1237.0	14.1	1.0	175.7		14.1	1.2			
PF	26.7	18.6	1726.0	5.7	0.4	99.8		14.4	1.8			51
PF	26.7	18.6	1726.0	8.1	0.6	151.0		14.5	1.9			
PF	26.7	18.6	1726.0	9.8	0.7	205.0		13.6	2.1			
PF	26.7	18.6	1726.0	11.7	0.9	289.7		12.8	2.5			
PF	26.7	18.6	1726.0	5.8	0.4	142.5		13.3	2.5			
PF	26.7	18.6	1726.0	12.5	0.9	296.3		13.8	2.4			

PF	26.7	18.6	1726.0	8.8	0.7	209.6		13.4		2.4		
PF	26.7	18.6	1726.0	13.9	1.1	339.4		13.2		2.4		
PF	22.7	21.7	1700.0	13.9		152.9				1.1		144
NF	25.1	18.5	1389.0	50.8	6.0	1698.1		8.4		3.3		206
NF	24.8	18.5	1389.0	28.4	3.4	859.9		8.3		3.0		
NF	24.8	18.5	1389.0	52.0	6.6	2012.9		7.9		3.9		
PF	28.3	17.8	1785.0	5.8	0.4	110.8		14.1		1.9		13
PF	28.3	17.8	1785.0	6.2	0.4	114.9		14.6		1.8		
PF	28.3	17.8	1785.0	8.4	0.5	150.8		16.3		1.8		
PF	28.3	17.8	1785.0	3.0	0.3	102.5		10.9		3.4		
PF	28.3	17.8	1785.0	3.7	0.3	87.7		11.2		2.4		
PF	28.3	17.8	1785.0	4.4	0.4	136.8		11.8		3.1		
NF	26.8	12.8	1050.0	37.0	2.3	385.3	70.1	15.9	5.5	1.0	3.0	106
NF	26.8	12.8	1050.0	20.3	1.4	150.4	42.3	14.9	3.6	0.7	3.1	
NF	26.8	12.8	1050.0	22.5	1.0	99.1	33.4	22.0	3.0	0.4	3.3	
NF	26.8	12.8	1050.0	13.6	1.0	57.1	39.9	14.3	1.4	0.4	4.2	
NF	26.8	12.8	1050.0	30.5	2.2	347.7	71.6	14.0	4.9	1.1	3.3	
NF	26.8	12.8	1050.0	11.6	0.8	84.8	34.3	13.9	2.5	0.7	4.1	
NF	26.8	12.8	1050.0	26.5	2.2	210.7	76.6	12.1	2.7	0.8	3.5	
NF	26.8	12.8	1050.0	18.0	1.1	114.8	37.1	16.0	3.1	0.6	3.3	
NF	26.8	12.8	1050.0	20.3	2.0	255.8	77.1	10.3	3.3	1.3	3.9	
NF	26.8	12.8	1050.0	18.2	1.5	166.5	78.4	12.3	2.1	0.9	5.3	
NF	26.8	12.8	1050.0	21.3	1.8	207.3	106.9	11.8	1.9	1.0	5.9	
NF	26.8	12.8	1050.0	20.0	1.5	225.8	58.2	13.0	3.9	1.1	3.8	
NF	26.8	12.8	1050.0	46.2	4.2	577.6	273.4	11.1	2.1	1.3	6.6	
NF	26.8	12.8	1050.0	46.2	5.7	1157.9	311.9	8.0	3.7	2.5	5.4	
NF	26.8	12.8	1050.0	37.9	1.8	429.8	197.8	21.3	2.2	1.1	11.1	
NF	26.8	16.5	1300.0	23.0	1.7	484.4	49.0	13.5	9.9	2.1	2.9	116
PF	26.8	16.5	1300.0	22.3	1.3	258.6	46.8	17.6	5.5	1.2	3.7	
PF	26.8	16.5	1300.0	15.5	1.1	244.2	40.6	14.4	6.0	1.6	3.8	

NF	26.8	16.5	1200.0	19.0	1.7	404.9		11.2		2.1		121
PF	26.8	16.5	1200.0	22.4	1.6	469.9		13.9		2.1		
PF	26.8	16.5	1200.0	21.2	1.5	523.1		14.3		2.5		
PF	26.8	16.5	1200.0	22.0	1.7	588.8		12.9		2.7		
NF	29.9	16.0	1374.0	17.5	1.2	1135.1		14.7		6.5		23
PF	26.8	19.3	1669.0	13.3	0.9	300.1		14.4		2.3		41
PF	26.8	19.3	1669.0	16.5	1.0	428.2		16.3		2.6		
PF	22.9	22.1	1800.0	12.5	0.9	255.0		14.6		2.0		3
PF	22.9	22.1	1800.0	10.5	0.8	175.9		13.2		1.7		
PF	22.9	22.1	1800.0	14.1	1.1	252.4		12.4		1.8		
PF	26.8	16.5	1300.0	10.3	1.1	233.3	18.3	9.6	12.7	2.3	1.7	117
PF	26.8	16.5	1300.0	10.8	1.2	259.7	31.8	8.6	8.2	2.4	2.5	
PF	26.8	16.5	1300.0	11.8	1.3	246.9	28.8	9.1	8.6	2.1	2.2	
NF	26.3	15.1	1315.0	41.3	3.7	907.2	161.1	11.2	5.6	2.2	4.4	61
NF	26.3	15.1	1315.0	31.2	2.9	424.3	77.6	10.7	5.5	1.4	2.7	
NF	26.3	15.1	1315.0	20.7	2.4	291.5	60.7	8.8	4.8	1.4	2.6	
PF	26.7	18.6	1726.0	6.8	0.5	107.6	14.8	14.3	7.3	1.6	3.1	50
PF	26.7	18.6	1726.0	10.3	0.7	184.7	26.6	14.5	6.9	1.8	3.8	
PF	26.7	18.6	1726.0	10.5	0.8	194.2	25.0	13.9	7.8	1.9	3.3	
PF	26.7	18.6	1726.0	14.0	1.1	271.5	32.3	13.2	8.4	1.9	3.1	
PF	26.7	18.6	1726.0	6.9	0.5	137.4	16.2	13.8	8.5	2.0	3.2	
PF	26.7	18.6	1726.0	15.6	1.1	300.4	37.2	14.5	8.1	1.9	3.4	
PF	26.7	18.6	1726.0	11.1	0.8	238.2	34.4	13.5	6.9	2.1	4.2	
PF	26.7	18.6	1726.0	16.2	1.2	313.6	40.8	13.6	7.7	1.9	3.4	
PF	26.6	19.4	1800.0	11.6	0.6	116.9	15.1	18.7	7.7	1.0	2.4	143
PF	26.6	19.4	1800.0	15.1	0.7	278.9	31.5	21.6	8.9	1.8	4.5	
PF	26.6	19.4	1800.0	14.6	0.7	277.5	29.3	19.7	9.5	1.9	4.0	
PF	26.8	16.5	1300.0	15.7		145.5				0.9		176
PF	26.8	16.5	1300.0	17.0		191.7				1.1		
PF	26.8	16.5	1300.0	18.8		230.8				1.2		



NF	21.9	22.0	1400.0	11.8	1.2	524.9	64.2	9.4	8.2	4.5	5.1	150
NF	24.5	9.4	1974.0	184.5	9.4	1543.5	340.7	19.6	4.5	0.8	3.6	69
NF	32.0	15.3	1055.6	16.9	3.2	225.7		5.3		1.3		111
PF	32.0	15.3	1055.6	8.1	2.6	232.1		3.1		2.8		
PF	27.2	16.5	1300.0	18.8		238.6				1.3		177
PF	31.9	16.0	1143.4	10.3		348.6				3.4		54
PF	31.9	16.0	1143.4	5.3		170.0				3.2		
PF	31.9	16.0	1143.4	4.3		119.0				2.8		
PF	31.9	16.0	1143.4	5.4		135.8				2.5		
PF	28.3	17.8	1785.0	5.8	0.7	112.3	14.7	8.7	7.6	1.9	2.2	79
PF	31.3	15.7	1280.0	8.2	0.7	146.4	18.0	11.3	8.2	1.8	2.5	68
NF	26.2	19.1	1749.0	26.3	1.9	1285.9	200.6	13.9	6.4	4.9	10.6	60
PF	26.2	19.1	1749.0	18.6	1.1	841.7	127.3	16.5	6.6	4.5	11.3	
PF	26.2	19.1	1749.0	16.4	1.1	654.2	104.8	14.7	6.2	4.0	9.4	
NF	30.2	15.9	1424.0	20.8		447.8				2.1		48
NF	30.2	15.9	1424.0	10.3		200.2				1.9		
PF	30.2	15.9	1424.0	13.0		286.3				2.2		
PF	28.3	17.6	1794.0	21.1	2.5	727.0	27.5	8.3	26.4	3.5	1.1	45
PF	28.3	17.6	1794.0	26.1	3.1	834.2	29.3	8.5	28.5	3.2	1.0	
PF	28.2	17.6	1794.0	3.6	0.3	92.2	8.4	14.2	11.0	2.6	3.4	191
PF	26.6	18.6	1370.5	12.6	0.8	198.1	16.5	16.9	12.0	1.6	2.2	
PF	25.4	19.4	1423.4	11.4	0.6	223.5	23.3	18.1	9.6	2.0	3.7	
PF	25.9	16.5	1300.0	14.1	1.3	429.3	69.6	10.6	6.2	3.0	5.2	39
PF	25.9	16.5	1300.0	13.8	1.3	389.6	60.0	10.5	6.5	2.8	4.5	
PF	25.9	16.5	1300.0	13.6	1.3	287.2	34.3	10.8	8.4	2.1	2.7	
PF	27.1	17.9	1237.0	8.0	0.5	119.7		14.8		1.5		196
PF	27.1	17.9	1237.0	10.7	0.7	128.2		14.6		1.2		
NF	27.1	17.9	1237.0	14.1	1.0	176.4		14.1		1.3		
NF	27.1	17.9	1237.0	32.4	2.8	246.4	136.9	11.4	1.8	0.8	4.8	
PF	27.1	17.9	1237.0	15.4	1.5	239.7	75.6	10.2	3.2	1.6	5.0	

NF	27.1	17.9	1237.0	53.6	5.4	182.2	180.3	9.9	1.0	0.3	3.3	
NF	27.2	16.5	1300.0	17.7	1.6	199.2		11.4		1.1		175
PF	27.2	16.5	1300.0	13.8	1.1	129.5		12.0		0.9		
PF	27.2	16.5	1300.0	15.6	1.3	156.9		12.1		1.0		
PF	27.2	16.5	1300.0	13.9	1.1	144.9		12.1		1.0		
NF	30.0	16.0	1350.0	15.6	1.2	338.0		12.7		2.2		207
NF	30.0	16.0	1350.0	11.9	0.8	293.0		15.9		2.5		
PF	30.0	16.0	1350.0	11.3	0.8	260.0		15.1		2.3		
NF	31.6	11.6	950.0	39.9	2.9	638.6		13.8		1.6		186
NF	31.6	11.6	950.0	20.6	1.5	511.6		13.8		2.5		
NF	23.2	21.6	1967.8	22.5	0.9	129.5	17.1	24.4	7.6	0.6	1.9	178
NF	25.1	15.7	1389.1	32.4	2.8	246.4	136.9	11.4	1.8	0.8	4.8	101
PF	25.1	15.7	1389.1	15.4	1.5	239.7	75.6	10.2	3.2	1.6	5.0	
NF	25.1	15.7	1389.1	53.6	5.4	182.2	180.3	9.9	1.0	0.3	3.3	
NF	25.1	15.7	1389.1	67.1	4.5	946.2	323.3	15.0	2.9	1.4	7.2	
NF	26.2	19.1	1749.0	26.5	1.9	1278.8	201.0	14.0	6.4	4.8	10.6	59
PF	26.2	19.1	1749.0	18.8	1.1	838.7	129.8	16.7	6.5	4.5	11.5	
PF	26.2	19.1	1749.0	16.7	1.1	658.5	104.5	14.9	6.3	3.9	9.3	
PF	29.1	17.7	1439.0	21.8		378.5				1.7		202
PF	29.1	17.7	1439.0	14.5		289.9				2.0		
PF	29.1	17.7	1439.0	6.6		98.3				1.5		
NF	29.8	13.6	1611.8	13.9	1.1	412.9	16.3	12.3	25.3	3.0	1.4	26
PF	29.3	16.3	1320.5	31.2	5.2	47.3	2.9	6.1	16.5	0.2	0.1	164
PF	29.3	16.3	1320.5	31.8	9.1	49.9	3.4	3.5	14.6	0.2	0.0	
NF	29.3	16.3	1320.5	35.6	9.1	54.8	3.3	3.9	16.9	0.2	0.0	
NF	30.2	15.9	1424.0	21.7	1.4	347.8	72.9	15.9	4.8	1.6	5.3	139
PF	27.2	15.8	1300.0	13.0	1.3	438.0		9.9		3.4		122
NF	27.2	15.8	1300.0	23.3	2.0	712.5		11.6		3.1		
NF	28.7	12.8	1780.0	68.8	2.8	234.9	32.3	24.5	7.3	0.3	1.2	24
PF	28.7	12.8	1780.0	55.9	2.5	198.9	26.8	22.4	7.4	0.4	1.1	

PF	28.7	12.8	1780.0	21.3	1.4	75.0	10.5	15.1	7.2	0.4	0.7	
PF	28.7	12.8	1780.0	48.3	2.3	178.3	23.5	20.7	7.6	0.4	1.0	
NF	23.1	21.0	1927.0	31.8		695.1				2.2		162
PF	23.1	21.0	1927.0	22.4		509.5				2.3		
PF	23.1	21.0	1927.0	19.6		462.6				2.4		
NF	30.4	16.9	1350.0	19.0		866.1				4.6		129
NF	26.2	19.1	1749.0	26.6		823.0				3.1		66
PF	26.2	19.1	1749.0	18.7		489.3				2.6		
PF	26.2	19.1	1749.0	17.1		407.2				2.4		
PF	26.7	19.4	1817.0	27.0		488.9				1.8		18
PF	26.7	19.4	1817.0	20.4		338.3				1.7		
NF	26.7	19.4	1817.0	23.5		485.4				2.1		
NF	30.9	16.0	1350.0	17.8		623.0				3.5		149
NF	30.9	16.0	1350.0	15.5		338.0				2.2		
NF	24.8	20.4	1583.5	14.0	1.7	347.6	30.7	8.4	11.3	2.5	1.8	146
NF	23.1	22.0	1736.1	13.2	1.4	254.7	28.8	9.3	8.8	1.9	2.0	
NF	21.1	23.5	1885.0	13.0	2.0	328.0	36.9	6.4	8.9	2.5	1.8	
PF	23.2	21.6	1782.5	12.6		300.0				2.4		183
PF	23.2	21.6	1782.5	13.6		370.0				2.7		
PF	23.2	21.6	1782.5	14.8		460.0				3.1		
NF	23.2	21.6	1782.5	19.3		570.0				3.0		
NF	23.2	21.6	1782.5	25.2		810.0				3.2		
NF	23.2	21.6	1782.5	31.1		1100.0				3.5		
NF	25.9	15.8	1100.0	16.3		436.5				2.7		132
NF	25.9	15.8	1100.0	18.4		516.2				2.8		
NF	26.3	15.1	1396.9	33.8	2.9	477.8	82.4	11.8	5.8	1.4	2.9	36
NF	26.3	15.1	1396.9	27.7	2.6	471.5	53.1	10.8	8.9	1.7	2.1	
NF	26.3	15.1	1396.9	28.4	2.4	433.3	37.7	11.8	11.5	1.5	1.6	
NF	25.2	16.9	1675.0	55.1	6.3	1020.6	87.4	8.7	11.7	1.9	1.4	82
NF	24.8	18.5	1389.1	49.1	5.5	1084.4	104.9	8.9	10.3	2.2	1.9	

NF	24.8	18.5	1389.1	44.9	5.6	564.9	76.2	8.0	7.4	1.3	1.4	
NF	23.4	20.6	1500.0	34.1	3.5	655.0	39.8	9.7	16.4	1.9	1.1	145
NF	23.4	20.6	1500.0	25.8	1.9	448.2	34.6	13.4	12.9	1.7	1.8	
NF	31.7	11.6	950.0	30.6		850.7				2.8		87
NF	31.8	11.6	950.0	30.3		614.5				2.0		
NF	31.8	11.6	950.0	29.7		533.2				1.8		
NF	31.8	11.6	950.0	18.5		476.2				2.6		
NF	31.8	11.6	950.0	22.3		429.0				1.9		
PF	22.7	21.7	1801.1	10.2		264.2				2.6		203
PF	22.7	21.7	1801.1	10.8		378.3				3.5		
PF	22.7	21.7	1801.1	13.8		504.9				3.7		
PF	28.3	17.6	1794.0	2.8	0.2	27.1	3.8	12.9	7.1	1.0	1.7	192
PF	28.3	17.6	1794.0	4.0	0.3	34.6	4.8	15.9	7.1	0.9	1.9	
PF	28.3	17.6	1794.0	3.0	0.3	46.0	5.4	10.3	8.6	1.5	1.9	
NF	28.3	17.6	1794.0	6.5	0.5	78.9	7.4	12.0	10.6	1.2	1.4	
PF	28.3	17.6	1794.0	2.8	0.2	24.2	4.1	12.1	5.9	0.9	1.8	
PF	22.2	21.7	1638.8	9.6	0.5	231.4		18.5		2.4		77
PF	22.2	21.7	1638.8	12.0	0.5	310.1		22.0		2.6		
PF	22.2	21.7	1638.8	19.2	1.5	326.8		12.9		1.7		
PF	22.2	21.7	1638.8	16.4	0.9	349.2		18.9		2.1		
PF	31.5	15.5	1078.1	11.0	1.4	363.6	43.4	7.9	8.4	3.3	3.1	6
PF	29.4	16.6	1394.0	8.7		242.1				2.8		84
PF	29.4	16.6	1394.0	9.5		309.1				3.2		
PF	29.4	16.6	1394.0	8.3		246.7				3.0		
PF	29.4	16.6	1394.0	10.2		194.0				1.9		
NF	24.8	18.2	1389.0	24.1	2.3	529.0	117.0	10.3	4.5	2.2	5.0	63
NF	24.1	15.7	1389.1	32.4	3.0	246.4	136.9	11.0	1.8	0.8	4.6	165
PF	24.1	15.7	1389.1	15.4	1.7	239.7	75.6	9.0	3.2	1.6	4.4	
NF	24.1	15.7	1389.1	53.6	5.6	182.2	180.3	9.5	1.0	0.3	3.2	
NF	24.1	15.7	1389.1	67.1	5.9	946.2	323.3	11.4	2.9	1.4	5.5	

NF	25.2	16.9	1675.0	17.9	5.2	782.4	115.6	3.4	6.8	4.4	2.2	21
NF	25.2	16.9	1675.0	28.0	6.5	1385.3	109.1	4.3	12.7	4.9	1.7	
NF	25.2	16.9	1675.0	19.1	3.2	706.8	113.4	6.0	6.2	3.7	3.5	
NF	24.8	18.5	1389.1	14.4	3.3	419.0	40.3	4.4	10.4	2.9	1.2	
NF	24.8	18.5	1389.1	29.2	3.0	1068.3	111.7	9.6	9.6	3.7	3.7	70
NF	24.8	18.5	1389.1	47.8	4.6	2135.1	276.1	10.4	7.7	4.5	6.0	
NF	24.8	18.5	1389.1	45.2	3.9	1739.4	269.5	11.5	6.5	3.8	6.8	
NF	25.7	18.0	1205.0	27.4	2.3	274.3		12.2		1.0		72
NF	25.7	18.0	1205.0	21.8	2.4	264.6		9.2		1.2		
NF	25.7	18.0	1205.0	30.2	2.3	260.6		13.0		0.9		
NF	25.7	18.0	1205.0	31.3	2.9	294.9		11.0		0.9		
NF	25.7	18.0	1205.0	36.1	3.1	310.4		11.6		0.9		
NF	25.7	18.0	1205.0	40.1	3.3	293.2		12.1		0.7		
NF	25.7	18.0	1205.0	42.1	3.4	394.0		12.2		0.9		
NF	25.7	18.0	1205.0	40.5	3.3	384.8		12.2		1.0		
NF	25.7	18.0	1205.0	48.1	4.0	367.6		12.1		0.8		
NF	25.7	18.0	1205.0	68.9	5.2	588.7		13.4		0.9		
NF	25.7	18.0	1205.0	55.2	5.7	574.9		9.7		1.0		
NF	25.7	18.0	1205.0	75.5	6.0	616.8		12.5		0.8		
NF	25.2	18.3	1320.5	27.4		727.5				2.7		42
NF	25.2	18.3	1320.5	38.5		1003.3				2.6		
NF	25.2	18.3	1320.5	43.1		1158.8				2.7		
NF	25.2	18.3	1320.5	35.3		1189.5				3.4		
NF	25.7	18.4	1205.0	50.2	5.5	234.4	94.6	9.1	2.5	0.5	1.7	11
NF	25.7	18.4	1205.0	55.6	5.4	234.4	148.6	10.2	1.6	0.4	2.7	
NF	21.9	21.5	1557.0	21.8	1.2	338.8		18.0		1.6		136
NF	21.9	21.5	1557.0	31.6	1.9	687.3		16.3		2.2		
PF	31.6	9.0	850.0	21.2		417.6				2.0		205
PF	26.5	19.2	1628.0	21.4		731.9				3.4		168
NF	22.2	20.0	1350.0	32.1		824.8	41.6		19.8	2.6		25

NF	22.2	20.0	1350.0	55.6		1054.0	84.3		12.5	1.9		
NF	22.2	20.0	1350.0	31.1		234.2				0.8		134
NF	22.2	20.0	1350.0	61.2		295.6				0.5		
PF	22.1	21.0	1400.0	19.8	1.7	196.5	48.1	11.4	4.1	1.0	2.8	126
PF	22.1	21.0	1400.0	18.7	1.4	315.1	42.8	13.8	7.4	1.7	3.2	
PF	22.1	21.0	1400.0	15.7	1.1	186.2	37.1	14.7	5.0	1.2	3.5	
PF	22.1	21.1	1400.0	19.8	1.7	196.5	48.1	11.4	4.1	1.0	2.8	124
PF	22.1	21.1	1400.0	18.7	1.4	315.1	42.8	13.8	7.4	1.7	3.2	
PF	22.1	21.1	1400.0	15.7	1.1	186.2	37.1	14.7	5.0	1.2	3.5	
PF	22.2	21.1	1350.0	33.5	1.5	340.4	49.3	22.4	6.9	1.0	3.3	147
NF	30.8	15.6	1198.1	4.5	0.5	214.6	54.4	8.9	3.9	4.8	10.9	195
NF	30.8	15.6	1198.1	6.3	0.8	196.9	61.2	7.7	3.2	3.1	7.6	
NF	30.8	15.6	1198.1	12.0	1.5	188.3	79.6	8.0	2.4	1.6	5.3	
NF	30.8	15.6	1198.1	11.3	1.3	316.4	97.8	8.7	3.2	2.8	7.6	
NF	30.8	15.6	1198.1	10.6	1.4	501.3	117.6	7.4	4.3	4.7	8.2	
NF	30.8	15.6	1198.1	26.1	2.4	689.7	158.9	10.8	4.3	2.6	6.6	
NF	30.7	16.0	1350.0	15.5	1.2	317.0		12.6		2.0		148
NF	30.7	16.0	1350.0	12.0	0.8	262.3		16.1		2.2		
PF	30.7	16.0	1350.0	11.5	0.8	259.0		15.3		2.3		
PF	26.8	20.0	1644.0	28.7	1.8	653.3		16.0		2.3		107
PF	26.8	20.0	1644.0	20.3	1.3	469.0		15.6		2.3		
PF	27.2	16.5	1300.0	11.4		246.4				2.2		118
NF	27.2	16.5	1300.0	20.2		467.1				2.3		
NF	27.2	16.5	1200.0	22.9	1.7	494.9	47.9	13.7	10.3	2.2	2.9	28
PF	27.2	16.5	1200.0	22.1	1.3	262.8	46.8	17.7	5.6	1.2	3.7	
PF	27.2	16.5	1200.0	15.5	1.1	244.4	40.1	14.6	6.1	1.6	3.8	
PF	26.7	18.6	1726.0	15.2	0.8	70.7		18.6		0.5		104
PF	26.7	18.6	1726.0	15.7	0.8	111.8		18.7		0.7		
PF	31.4	16.0	925.0	24.2	2.2	322.5	43.1	10.9	7.5	1.3	2.0	198
PF	31.4	16.0	925.0	23.0	2.1	270.2	38.2	10.8	7.1	1.2	1.8	

PF	32.9	14.6	1051.0	8.3	0.6	131.1		13.6		1.6		142
PF	32.9	14.6	1051.0	8.9	0.5	205.5		17.3		2.3		
PF	32.9	14.6	1051.0	9.9	0.7	214.3		15.1		2.2		
PF	32.9	14.6	1051.0	9.3	0.7	185.6		13.9		2.0		
PF	32.9	14.6	1051.0	8.4		126.2				1.5		141
PF	32.9	14.6	1051.0	8.8		190.7				2.2		
PF	32.9	14.6	1051.0	9.9		167.3				1.7		
PF	32.9	14.6	1051.0	9.3		155.3				1.7		
NF	30.9	15.3	1286.0	18.9	1.3	395.1		14.3		2.1		97
NF	30.7	16.0	1350.0	12.0	0.8	289.9	36.5	15.4	7.9	2.4	4.7	166
NF	29.9	16.2	1374.7	56.3		295.4				0.5		12
NF	29.9	16.2	1374.7	34.9		273.8				0.8		
NF	29.9	16.2	1374.7	18.7		222.9				1.2		
NF	29.9	16.2	1374.7	27.5		261.0				0.9		
PF	29.9	16.2	1374.7	22.5		211.9				0.9		
PF	29.9	16.2	1374.7	19.2		215.5				1.1		
PF	31.2	15.7	1094.0	14.9	1.7	224.9		8.9		1.5		38
PF	31.2	15.7	1094.0	11.8	2.4	195.5		4.9		1.7		
NF	27.1	19.4	1731.4	25.8		970.5				3.8		159
PF	27.0	18.7	1663.7	17.6		603.2				3.4		
PF	27.0	18.7	1663.7	21.9		571.6				2.6		
NF	27.0	18.7	1663.7	16.2		557.2				3.4		
PF	27.0	18.7	1663.7	16.3		440.2				2.7		
NF	25.7	18.0	1205.0	44.8	4.0	477.9	102.9	11.2	4.6	1.1	2.6	71
PF	27.0	18.7	1663.7	15.5		330.1				2.1		92
NF	27.0	18.7	1663.7	18.1		461.7				2.6		
PF	27.0	18.7	1663.7	18.9		451.2				2.4		
NF	21.9	21.5	1557.0	15.9	1.5	821.6		10.9		5.2		19
NF	27.6	17.7	1553.0	11.5		113.4				1.0		15
PF	27.6	17.7	1553.0	15.2		142.5				0.9		

PF	26.7	18.6	1460.0	21.7	1.1	412.5	82.4	19.0	5.0	1.9	7.2	57
PF	21.1	23.5	1885.0	8.2	0.6	335.5	27.7	14.1	12.1	4.1	4.8	33
PF	21.1	23.5	1885.0	8.4	0.7	354.5	31.2	12.7	11.4	4.2	4.7	
NF	21.1	23.5	1885.0	16.3	1.0	625.3	41.5	16.8	15.1	3.8	4.3	
PF	28.3	17.6	1794.0	5.1	0.6	202.3	33.8	9.0	6.0	3.9	5.9	80
PF	28.3	17.6	1794.0	4.9	0.6	192.2	18.3	8.2	10.5	3.9	3.1	
PF	28.3	17.6	1794.0	4.7	0.4	154.6	17.6	12.6	8.8	3.3	4.7	
PF	28.3	17.6	1794.0	3.5	0.4	199.0	26.3	8.3	7.6	5.6	6.2	
PF	28.3	17.6	1794.0	7.4	1.0	257.1	32.3	7.8	8.0	3.5	3.4	113
PF	28.3	17.6	1794.0	2.9	0.4	86.1	15.6	6.6	5.5	3.0	3.5	
PF	28.3	17.6	1794.0	9.1	1.0	266.1	31.6	9.0	8.4	2.9	3.1	
PF	26.7	18.6	1726.0	16.0	2.1	103.9	17.0	7.5	6.1	0.6	0.8	182
PF	26.7	18.6	1726.0	16.8	2.2	125.7	22.4	7.8	5.6	0.7	1.0	
PF	26.7	18.6	1726.0	16.8	1.8	130.5	19.0	9.5	6.9	0.8	1.1	
PF	26.7	18.6	1726.0	14.8	1.5	161.0	28.3	9.8	5.7	1.1	1.9	
PF	26.7	18.6	1726.0	21.7	2.8	164.3	31.6	7.6	5.2	0.8	1.1	
PF	26.7	18.6	1726.0	19.1	2.2	151.6	23.5	8.5	6.5	0.8	1.1	
PF	26.7	18.6	1726.0	12.2	2.3	140.7	27.9	5.4	5.1	1.2	1.2	
PF	26.7	18.6	1726.0	9.2	1.1	129.8	22.5	8.1	5.8	1.4	2.0	
PF	26.7	18.6	1726.0	17.1	1.7	161.6	26.4	9.9	6.1	0.9	1.5	
PF	26.7	18.6	1726.0	8.0	0.6	144.7	20.5	13.5	7.1	1.8	3.4	52
PF	26.7	18.6	1726.0	6.9	0.5	134.7	15.6	13.8	8.6	2.0	3.1	
PF	26.7	18.6	1726.0	9.5	0.7	193.2	30.3	13.4	6.4	2.0	4.3	
PF	26.7	18.6	1726.0	15.8	1.2	317.3	41.0	13.7	7.7	2.0	3.6	
PF	31.2	16.0	1000.0	14.9	1.7	216.9		8.9		1.5		128
PF	31.2	16.0	1000.0	11.8	1.5	183.0		8.1		1.6		
NF	27.7	18.0	3000.0	25.6	3.3	361.0	33.1	7.6	10.9	1.4	1.0	204
NF	27.7	12.0	2200.0	31.7	3.2	704.2	46.1	10.0	15.3	2.2	1.5	
NF	27.7	12.0	2200.0	42.3	3.8	893.4	127.4	11.1	7.0	2.1	3.4	
PF	28.4	17.2	1485.5	16.8	1.0	390.7	47.4	17.2	8.2	2.3	4.9	62



NF	28.4	17.2	1485.5	19.8	1.2	432.7	50.7	16.2	8.5	2.2	4.1	
NF	28.4	17.2	1485.5	20.3	1.5	541.8	83.6	14.0	6.5	2.7	5.8	
NF	28.4	17.2	1485.5	21.1	1.3	474.0	59.4	16.6	8.0	2.2	4.7	
NF	28.4	17.1	1485.5	22.1	1.2	500.8		17.9		2.3		181
PF	28.4	17.1	1485.5	16.2	1.0	328.9		15.9		2.0		
PF	28.4	17.1	1485.5	16.2	1.0	328.9		15.9		2.0		103
NF	28.4	17.1	1485.5	17.2	1.0	388.4		17.0		2.3		
NF	28.4	17.1	1485.5	19.1	1.3	458.7		15.1		2.4		
NF	28.4	17.1	1485.5	22.1	1.2	500.8		17.9		2.3		
PF	27.4	10.5	2000.5	11.6	1.3	117.3		8.9		1.0		29
PF	27.3	10.5	2000.5	10.0	1.2	126.8		8.2		1.3		
PF	27.3	10.5	2000.5	43.6	4.3	272.6		10.2		0.6		
NF	27.3	10.5	2000.5	181.8	9.1	348.8		19.9		0.2		
NF	27.2	10.5	2000.5	72.8	6.9	154.9		10.5		0.2		
NF	27.2	10.5	2000.5	43.7	2.7	101.1		16.2		0.2		
PF	28.1	17.1	1430.0	9.4	1.0	373.2	14.6	9.3	25.5	4.0	1.5	16
PF	28.1	17.1	1430.0	11.8	1.0	285.2	9.4	12.2	30.4	2.4	1.0	
NF	29.6	16.6	1750.0	26.7	2.0	569.4		13.4		2.1		155
NF	29.6	16.6	1750.0	27.5	2.2	555.8		12.3		2.0		
PF	27.7	17.5	1600.0	13.7	0.7	194.3	26.9	18.3	7.2	1.4	3.6	120
NF	27.7	17.5	1600.0	18.3	1.0	216.5	30.0	18.6	7.2	1.2	3.0	
PF	27.6	17.5	1600.0	11.3	0.6	129.0	19.4	18.1	6.7	1.1	3.1	
NF	24.6	20.9	1700.0	35.3	1.6	342.4	47.8	22.6	7.2	1.0	3.1	
PF	24.3	20.9	1700.0	15.7		274.9	43.7		6.3	1.7		
PF	24.1	20.9	1700.0	20.2	1.3	364.5	45.5	15.7	8.0	1.8	3.5	
NF	31.8	15.1	1100.0	33.4	2.0	374.1	39.8	16.7	9.4	1.1	2.0	
PF	31.9	15.1	1100.0	22.1	1.6	163.2	28.1	13.9	5.8	0.7	1.8	
NF	25.2	18.3	1320.5	22.0		529.8				2.4		93
PF	22.7	17.7	1547.6	13.8		373.0				2.7		4
PF	22.7	17.7	1547.6	15.0		127.3				0.8		

PF	22.7	17.7	1547.6	10.4		183.8				1.8		
NF	22.7	17.7	1547.6	9.6		77.7				0.8		
NF	28.3	15.3	1963.7	23.4	0.8	166.2	33.9	30.1	4.9	0.7	4.4	94
PF	29.3	15.3	1963.7	21.7	1.0	143.9	28.7	22.7	5.0	0.7	3.0	
NF	29.3	15.3	1963.7	24.3	0.9	152.4	22.4	27.2	6.8	0.6	2.5	
NF	29.3	15.3	1963.7	36.3	1.2	213.4	43.0	29.2	5.0	0.6	3.5	
NF	29.9	16.2	1374.7	34.2		1210.0				3.5		102
NF	29.9	16.2	1374.7	44.6		1870.0				4.2		
NF	29.9	16.2	1374.7	55.6		2150.0				3.9		
NF	24.8	15.7	964.3	43.2	1.9	566.1		22.8		1.3		180
PF	24.8	15.7	964.3	21.8	1.1	396.0		19.1		1.8		
NF	24.8	15.7	964.3	50.3	2.6	615.0		19.1		1.2		
NF	27.1	19.4	1731.0	28.0		973.0				3.5		17
NF	27.1	19.4	1731.0	14.3		490.6				3.4		
NF	27.1	19.4	1731.0	8.4		322.6				3.8		
NF	27.0	18.7	1670.0	14.5		354.8				2.4		123
NF	27.0	18.7	1670.0	23.2		321.3				1.4		
NF	27.0	18.7	1670.0	14.5		337.5				2.3		
NF	27.0	18.7	1670.0	43.2		549.3				1.3		
NF	27.0	18.7	1670.0	21.3		391.9				1.8		
NF	27.0	18.7	1670.0	19.1		312.0				1.6		
PF	27.1	16.6	1346.0	6.6		129.4				2.0		5
PF	25.9	16.5	1300.0	11.2	1.2	237.8	22.4	9.1	10.6	2.1	1.8	112
PF	25.9	16.5	1300.0	12.1	1.3	282.9	27.9	9.2	10.2	2.3	2.1	
PF	25.9	16.5	1300.0	13.2	1.4	298.1	30.1	9.3	9.9	2.3	2.1	
PF	25.9	16.5	1300.0	9.9	0.9	172.6	15.7	11.4	11.0	1.7	1.8	
PF	25.9	16.5	1300.0	10.5	1.1	209.5	25.0	9.9	8.4	2.0	2.4	
PF	25.9	16.5	1300.0	10.2	1.0	194.2	21.3	10.6	9.1	1.9	2.2	
NF	25.9	16.5	1300.0	14.3	1.6	368.2	39.6	8.7	9.3	2.6	2.4	
PF	30.3	15.6	1390.0	8.5		131.4				1.5		200

PF	30.3	15.6	1390.0	16.4	135.1	0.8
NF	30.3	15.6	1390.0	24.0	180.4	0.8

CZ: climate zones

FH: frigid highland zone

CT: cool temperate zone

WT: warm temperate zone

ST: subtropical / tropical zone

MR: management regimes

NF: natural forest

PF: planted forest

Lat. : latitude (°)

MAT: mean annual temperature (°C)

MAP: mean annual precipitation (mm)

$C_{\text{soil}}$ : soil organic carbon ( $\text{g kg}^{-1}$ )

$N_{\text{soil}}$ : soil total nitrogen ( $\text{g kg}^{-1}$ )

$C_{\text{mic}}$ : microbial biomass carbon ( $\text{mg kg}^{-1}$ )

$N_{\text{mic}}$ : microbial biomass nitrogen ( $\text{mg kg}^{-1}$ )

$C_{\text{soil}}/N_{\text{soil}}$ : ratio of soil organic carbon to soil total nitrogen

$C_{\text{mic}}/N_{\text{mic}}$ : ratio of soil microbial biomass carbon to microbial biomass nitrogen

$C_{\text{mic}}/C_{\text{soil}}$ : ratio of soil microbial biomass carbon to soil organic carbon (%)

$N_{\text{mic}}/N_{\text{soil}}$ : ratio of soil microbial nitrogen to soil total nitrogen (%)

Ref. : references (Refer to Supplementary material S1)

## Supplementary material S1 A list of literature from which data are extracted.

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