ID	Study	Loc	Lat	Long	Eco	MAP	MAT	N	B	D	Method	Trait	Xc	Xt	Sc	St	Nc	Nt	SD	
8	Bai et al,2(	northeast (	43.51	124.81	Temperate	575	5.5	150	7.3	25	PLFA	FunB	10.5	8.2	1.7	0.7	3	3		
11	Bell et al,2	London, Of	43.03	-81.21	Cropland	818	7.5	20	12	2	DFS	FunB	3.4	4.1	1.5	1.9	60	60		
12	Bi et al,201	Inner Mon	42.03	116.28	Grassland	385.5	2.1	100	16	2	PLFA	FunB	81	24	12	4	4	4		
46	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	11	PLFA	FunB	1.07	1.03	0.05	0.04	5	5		
49	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	11	PLFA	FunB	1.07	0.92	0.05	0.18	5	5		
45	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	11	PLFA	FunB	1.07	0.83	0.05	0.07	5	5		
47	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	11	PLFA	FunB	1.07	0.74	0.05	0.13	5	5		
48	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	11	PLFA	FunB	1.07	0.72	0.05	0.06	5	5		
51	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	12	PLFA	FunB	0.399	0.402	0.049	0.085	5	5		
54	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	12	PLFA	FunB	0.399	0.367	0.049	0.047	5	5		
50	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	12	PLFA	FunB	0.399	0.354	0.049	0.074	5	5		
52	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	12	PLFA	FunB	0.399	0.349	0.049	0.034	5	5		
53	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	12	PLFA	FunB	0.399	0.32	0.049	0.029	5	5		
75	Chung et a	Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	FunB	7.8	7	0.7	0.7	6	6		
76	Chung et a	Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	FunB	8.3	8.3	0.7	1	6	6		
77	Chung et a	Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	FunB	8	8.4	0.5	1	6	6		
78	Chung et a	Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	FunB	7.5	8.6	0.5	1	6	6		
90	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	40	6.1	2	DFS	FunB	41.5	46.4	10.4	6.9	4	2		
92	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	80	6.1	2	DFS	FunB	41.5	33.6	10.4	0.9	4	2		
88	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	120	6.1	2	DFS	FunB	41.5	30.5	10.4	10.9	4	2		
91	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	40	6.1	2	DFS	FunB	29.4	30	6	9.6	4	8		
93	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	80	6.1	2	DFS	FunB	29.4	24.5	6	8.8	4	8		
89	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	120	6.1	2	DFS	FunB	29.4	19.6	6	6.2	4	8		
98	Dias et al,2	Lisbon, Por	38.48	-9.02	Temperate	730	17.9	40	2	2.5	PLFA	FunB	0.9	1.5	0.5	0.4	3	3		
99	Dias et al,2	Lisbon, Por	38.48	-9.02	Temperate	730	17.9	80	2	2.5	PLFA	FunB	0.9	0.2	0.5	0.1	3	3		
103	Farrer et al	Niwot Ridg	40.05	-105.58	Tundra	406	10.5	288	1.8	9	PLFA	FunB	72	34	16	9	7	7		
104	Farrer et al	Niwot Ridg	40.05	-105.58	Tundra	406	10.5	288	1.8	9	PLFA	FunB	74	30	13	5	7	7		
114	Frey et al,2	Petersham	42.5	-72.3	Temperate	1120	7	50	8	23	PLFA	FunB	115	44	56	16	4	4		
110	Frey et al,2	Petersham	42.5	-72.3	Temperate	1120	7	100	8	23	PLFA	FunB	115	39	56	10	4	4		
115	Frey et al,2	Petersham	42.5	-72.3	Temperate	1120	7	50	8	23	PLFA	FunB	22	26	12	16	4	4		
111	Frey et al,2	Petersham	42.5	-72.3	Temperate	1120	7	100	8	23	PLFA	FunB	22	0.9	12	0.4	4	4		
116	Frey et al,2	Petersham	42.5	-72.3	Temperate	1120	7	50	8	23	PLFA	FunB	220	73	46	16	4	4		
112	Frey et al,2	Petersham	42.5	-72.3	Temperate	1120	7	100	8	23	PLFA	FunB	220	31	46	18	4	4		
117	Frey et al,2	Petersham	42.5	-72.3	Temperate	1120	7	50	8	23	PLFA	FunB	32	20	4	6	4	4		
113	Frey et al,2	Petersham	42.5	-72.3	Temperate	1120	7	100	8	23	PLFA	FunB	32	10	4	10	4	4		
123	Gilbert et a	France	45.53	3.92	Wetland	964	7.1	5	4.5	0.4	DFS	FunB	1.4	3.5	1.4	2.4	3	3		
122	Gilbert et a	France	45.53	3.92	Wetland	964	7.1	15	4.5	0.4	DFS	FunB	1.4	2.2	1.4	1.2	3	3		
124	Gilbert et a	France	45.53	3.92	Wetland	964	7.1	50	4.5	0.4	DFS	FunB	1.4	5	1.4	4.5	3	3		
146	Huang et a	Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	FunB	1.2	1.5	1.7	0.7	6	6		
147	Huang et a	Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	FunB	3	2.4	0.2	0.2	6	6		
166	Jiang et al,	Guangzhou	23.1	113.29	Grassland	1735	21.9	100	51	1.5	DFS	FunB	52.5	54.5	10.2	6.9	3	3		
167	Jiang et al,	Guangzhou	23.1	113.29	Grassland	1735	21.9	200	51	1.5	DFS	FunB	52.5	57.5	10.2	6.1	3	3		
199	Krumins et	New Jersey	39.958	-74.628	Temperate	944.3	12.3	35	15	1	SIR	FunB	277	263	18	16	5	5		
200	Krumins et	New Jersey	39.958	-74.628	Temperate	944.3	12.3	70	15	1	SIR	FunB	277	260	18	11	5	5		
197	Krumins et	Cape Cana	28.615	-80.694	Temperate	1329.1	22.4	35	10.3	1	SIR	FunB	285	275	16	20	5	5		
198	Krumins et	Cape Cana	28.615	-80.694	Temperate	1329.1	22.4	70	10.3	1	SIR	FunB	285	314	16	42	5	5		
207	Li et al,200	north-east	18.3	-65.83	Tropical Fo	3500	22.1	300	1.5	7	DFS	FunB	622	806	112	158	4	4		
209	Li et al,201	Inner Mon	42.03	116.28	Grassland	405	2.8	100	16	3	PLFA	FunB	10.4	17.3	3.2	3	6	6		
212	Li et al,201	Guangdon	21.45	110.9	Tropical Fo	1550	23	100	15.4	3.4	PLFA	FunB	0.43	0.43	0.05	0.09	5	5		
223	Liu et al,20	Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	33	4.5	PLFA	FunB	5.5	8.3	1.1	3.8	5	5		
231	Liu et al,20	Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	FunB	2.7	3.8	1.2	1.5	5	5		
232	Liu et al,20	Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	FunB	2.1	2.7	0.9	0.7	5	5		
248	Ma et al,2(	Songnen, J	44.75	123.75	Grassland	410	4.9	100	27	3	PLFA	FunB	18.3	14.4	1.2	1.7	6	6		
257	Maaroufi e	northern S	64.23	19.77	Boreal Fore	583	1.7	12.5	2	16	PLFA	FunB	0.48	0.42	0.11	0.02	5	5		
258	Maaroufi e	northern S	64.23	19.77	Boreal Fore	583	1.7	50	2	16	PLFA	FunB	0.48	0.28	0.11	0.04	5	5		
263	Mayor et a	Delta Junct	64.05	-145.72	Boreal Fore	300	-2	100	0.5	5	PLFA	FunB	3.66	3.11	0.85	0.47	5	5		
264	Min et al,2	Xinjiang, Cl	44.3	86.03	Cropland	210	7.4	360	0.5	4	PLFA	FunB	0.31	0.17	0.06	0.04	3	3	*	
318	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	FunB	3.8	3.6	0.4	0.4	2	2		
321	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	FunB	3.8	1.6	0.4	0.2	2	2		
315	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	FunB	3.8	0.9	0.4	0.1	2	2		
319	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	FunB	3.9	2.3	0.4	0.2	2	2		

Methods

FE: fumigation extraction
IRGA: infrared gas analyzer
DFS: differential fluorescent stain
PLFA: Phospholipid fatty acid
qPCR: quantitative Polymerase Chain Reaction
SIR: substrate-induced respiration
GC: gas chromatograph
AAM: alkali absorption method

322	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	FunB	3.9	1.7	0.4	0.2	2	2
316	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	FunB	3.9	1.1	0.4	0.1	2	2
320	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	FunB	3.8	3.6	0.4	0.4	2	2
323	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	FunB	3.8	2.3	0.4	0.3	2	2
317	Rousk et al	Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	FunB	3.8	0.8	0.4	0.1	2	2
326	Shen et al,	Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	FunB	0.93	0.66	0.17	0.12	3	3
327	Shen et al,	Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	FunB	0.45	0.67	0.05	0.28	3	3
344	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	FunB	3.9	6.5	1	1.5	3	3
340	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	FunB	3.9	5.1	1	0.9	3	3
342	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	FunB	3.9	4.6	1	0.4	3	3
345	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	FunB	2.5	4.2	0.9	1.4	3	3
341	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	FunB	2.5	3.3	0.9	1.2	3	3
343	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	FunB	2.5	4.3	0.9	1.1	3	3
347	Su et al,20	Gurbantun	44.28	87.93	Desert	160	6.6	50	36	3	PLFA	FunB	1.2	1.3	1.7	0.7	6	6
352	Sun et al,2	Inner Mon	43.51	116.37	Grassland	400	-0.4	50	16	3	PLFA	FunB	0.59	0.53	0.02	0.01	3	3
350	Sun et al,2	Inner Mon	43.51	116.37	Grassland	400	-0.4	100	16	3	PLFA	FunB	0.59	0.58	0.02	0.05	3	3
351	Sun et al,2	Inner Mon	43.51	116.37	Grassland	400	-0.4	200	16	3	PLFA	FunB	0.59	0.53	0.02	0.01	3	3
355	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FunB	194	184	76	42	4	4
356	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FunB	337	356	66	60	4	4
357	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FunB	225	289	86	58	4	4
358	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FunB	112	189	56	66	4	4
359	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FunB	271	180	56	56	4	4
360	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FunB	174	154	34	34	4	4
402	Wang et al	Haibei, Chi	37.53	101.25	Grassland	560	-1.7	200	16	6	PLFA	FunB	1.8	1.8	0.2	0.3	12	12
403	Wang et al	Haibei, Chi	37.53	101.25	Grassland	560	-1.7	200	16	6	PLFA	FunB	6.1	9.7	0.9	1.1	12	12
416	Wardle et	northern S	65.5	19	Tundra	600	-0.5	50	2	11	PLFA	FunB	1.73	1.16	0.29	0.18	5	5
420	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	56	16	3	PLFA	FunB	4.8	3.9	0.7	0.7	6	6
417	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	112	16	3	PLFA	FunB	4.8	2.9	0.7	1.5	6	6
418	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	224	16	3	PLFA	FunB	4.8	3.1	0.7	0.2	6	6
419	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	392	16	3	PLFA	FunB	4.8	2.5	0.7	0.5	6	6
421	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	560	16	3	PLFA	FunB	4.8	2.5	0.7	0.3	6	6
426	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	60	22.9	8	PLFA	FunB	8.4	8.8	0.7	2.1	3	3
422	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	120	22.9	8	PLFA	FunB	8.4	9.3	0.7	2.8	3	3
424	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	240	22.9	8	PLFA	FunB	8.4	6.5	0.7	0.2	3	3
427	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	60	22.9	8	PLFA	FunB	5.9	3	2.1	1.7	3	3
423	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	120	22.9	8	PLFA	FunB	5.9	5.4	2.1	0.7	3	3
425	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	240	22.9	8	PLFA	FunB	5.9	4	2.1	0.3	3	3
448	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	168	7.3	5	PLFA	FunB	125	84	21	10	3	3
449	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	240	7.3	5	PLFA	FunB	125	67	21	3	3	3
450	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	270	7.3	5	PLFA	FunB	125	82	21	2	3	3
451	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	312	7.3	5	PLFA	FunB	125	71	21	12	3	3
452	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	168	7.3	5	PLFA	FunB	66	71	7	10	3	3
453	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	240	7.3	5	PLFA	FunB	66	69	7	1	3	3
454	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	270	7.3	5	PLFA	FunB	66	65	7	5	3	3
455	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	312	7.3	5	PLFA	FunB	66	65	7	7	3	3
444	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	168	7.3	5	PLFA	FunB	102	62	5	3	3	3
445	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	240	7.3	5	PLFA	FunB	102	55	5	16	3	3
446	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	270	7.3	5	PLFA	FunB	102	59	5	7	3	3
447	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	312	7.3	5	PLFA	FunB	102	85	5	12	3	3
485	Zhao et al,	Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	FunB	8.98	6.78	0.84	0.5	4	4
486	Zhao et al,	Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	FunB	12.7	3.32	1.84	0.44	4	4
8	Bai et al,2	northeast	43.51	124.81	Temperate	575	5.5	150	7.3	25	PLFA	BacB	27.8	24.3	4.5	2.1	3	3
12	Bi et al,201	Inner Mon	42.03	116.28	Grassland	385.5	2.1	100	16	2	PLFA	BacB	675	275	74	40	4	4
46	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	11	PLFA	BacB	15.8	14.4	1.8	1.3	5	5
49	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	11	PLFA	BacB	15.8	13.5	1.8	1.3	5	5
45	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	11	PLFA	BacB	15.8	12.4	1.8	1.6	5	5
47	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	11	PLFA	BacB	15.8	11.4	1.8	0.5	5	5
48	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	11	PLFA	BacB	15.8	10.6	1.8	0.7	5	5
51	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	12	PLFA	BacB	12.2	11.1	0.9	0.9	5	5
54	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	12	PLFA	BacB	12.2	10.5	0.9	1.1	5	5
50	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	12	PLFA	BacB	12.2	9.4	0.9	0.9	5	5
52	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	12	PLFA	BacB	12.2	9.1	0.9	0.7	5	5

53	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	12	PLFA	BacB	12.2	8.8	0.9	0.4	5	5
75	Chung et a Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	BacB	57.9	60.6	1.5	1	6	6
76	Chung et a Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	BacB	58.1	59.7	2.7	1.5	6	6
77	Chung et a Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	BacB	58.1	57.9	2.2	2.2	6	6
78	Chung et a Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	BacB	59.4	58.3	1.7	1.7	6	6
90	de Vries et Heino, The	52.42	6.25	Grassland	805	9.5	40	6.1	2	DFS	BacB	89.2	107.5	10.7	13.3	4	2
92	de Vries et Heino, The	52.42	6.25	Grassland	805	9.5	80	6.1	2	DFS	BacB	89.2	88.6	10.7	0.8	4	2
88	de Vries et Heino, The	52.42	6.25	Grassland	805	9.5	120	6.1	2	DFS	BacB	89.2	95.9	10.7	28.7	4	2
91	de Vries et Heino, The	52.42	6.25	Grassland	805	9.5	40	6.1	2	DFS	BacB	85.7	77.1	8.6	9.2	4	8
93	de Vries et Heino, The	52.42	6.25	Grassland	805	9.5	80	6.1	2	DFS	BacB	85.7	69.2	8.6	18.4	4	8
89	de Vries et Heino, The	52.42	6.25	Grassland	805	9.5	120	6.1	2	DFS	BacB	85.7	77.1	8.6	14.4	4	8
98	Dias et al,2 Lisbon, Por	38.48	-9.02	Temperate	730	17.9	40	2	2.5	PLFA	BacB	7	9.6	1.5	2.7	3	3
99	Dias et al,2 Lisbon, Por	38.48	-9.02	Temperate	730	17.9	80	2	2.5	PLFA	BacB	7	1.7	1.5	0.2	3	3
103	Farrer et al Niwot Ridg	40.05	-105.58	Tundra	406	10.5	288	1.8	9	PLFA	BacB	249	133	43	32	7	7
104	Farrer et al Niwot Ridg	40.05	-105.58	Tundra	406	10.5	288	1.8	9	PLFA	BacB	284	137	42	21	7	7
114	Frey et al,2 Petersham	42.5	-72.3	Temperate	1120	7	50	8	23	PLFA	BacB	329	153	212	38	4	4
110	Frey et al,2 Petersham	42.5	-72.3	Temperate	1120	7	100	8	23	PLFA	BacB	329	109	212	26	4	4
115	Frey et al,2 Petersham	42.5	-72.3	Temperate	1120	7	50	8	23	PLFA	BacB	106	103	60	58	4	4
111	Frey et al,2 Petersham	42.5	-72.3	Temperate	1120	7	100	8	23	PLFA	BacB	106	15	60	6	4	4
116	Frey et al,2 Petersham	42.5	-72.3	Temperate	1120	7	50	8	23	PLFA	BacB	274	306	62	110	4	4
112	Frey et al,2 Petersham	42.5	-72.3	Temperate	1120	7	100	8	23	PLFA	BacB	274	148	62	46	4	4
117	Frey et al,2 Petersham	42.5	-72.3	Temperate	1120	7	50	8	23	PLFA	BacB	85	75	0	32	4	4
113	Frey et al,2 Petersham	42.5	-72.3	Temperate	1120	7	100	8	23	PLFA	BacB	85	42	0	34	4	4
123	Gilbert et a France	45.53	3.92	Wetland	964	7.1	5	4.5	0.4	DFS	BacB	11.4	9.4	1.5	1.6	3	3
122	Gilbert et a France	45.53	3.92	Wetland	964	7.1	15	4.5	0.4	DFS	BacB	11.4	12.4	1.5	1.9	3	3
124	Gilbert et a France	45.53	3.92	Wetland	964	7.1	50	4.5	0.4	DFS	BacB	11.4	14.8	1.5	5.9	3	3
135	He et al,20 Hunan, Chi	26.9	109.78	Temperate	1200	16.5	100	28	1	PLFA	BacB	20.7	12.7	1.1	0.2	3	3
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	BacB	2.8	3.7	0.7	1.7	6	6
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	BacB	10.8	7.8	1.2	1.2	6	6
166	Jiang et al, Guangzhou	23.1	113.29	Grassland	1735	21.9	100	51	1.5	DFS	BacB	73.4	51.3	9	6.1	3	3
167	Jiang et al, Guangzhou	23.1	113.29	Grassland	1735	21.9	200	51	1.5	DFS	BacB	73.4	42.8	9	6.9	3	3
199	Krumins et New Jersey	39.958	-74.628	Temperate	944.3	12.3	35	15	1	SIR	BacB	206	200	7	2	5	5
200	Krumins et New Jersey	39.958	-74.628	Temperate	944.3	12.3	70	15	1	SIR	BacB	206	203	7	3	5	5
197	Krumins et Cape Cana	28.615	-80.694	Temperate	1329.1	22.4	35	10.3	1	SIR	BacB	209	208	11	7	5	5
198	Krumins et Cape Cana	28.615	-80.694	Temperate	1329.1	22.4	70	10.3	1	SIR	BacB	209	220	11	7	5	5
207	Li et al,200 north-east	18.3	-65.83	Tropical Fo	3500	22.1	300	1.5	7	DFS	BacB	133	146	66	54	4	4
209	Li et al,201 Inner Mon	42.03	116.28	Grassland	405	2.8	100	16	3	PLFA	BacB	48.1	64.7	10.8	6.4	6	6
212	Li et al,201 Guangdon	21.45	110.9	Tropical Fo	1550	23	100	15.4	3.4	PLFA	BacB	10.81	7.88	0.85	2.1	5	5
223	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	33	4.5	PLFA	BacB	80	74	7	16	5	5
231	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	BacB	49	56	19	17	5	5
232	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	BacB	38	44	7.2	15	5	5
248	Ma et al,2(Songnen, J	44.75	123.75	Grassland	410	4.9	100	27	3	PLFA	BacB	59	75.8	6	8	6	6
257	Maaroufi e northern S	64.23	19.77	Boreal For	583	1.7	12.5	2	16	PLFA	BacB	0.66	0.56	0.11	0.13	5	5
258	Maaroufi e northern S	64.23	19.77	Boreal For	583	1.7	50	2	16	PLFA	BacB	0.66	0.5	0.11	0.09	5	5
264	Min et al,2 Xinjiang, Cl	44.3	86.03	Cropland	210	7.4	360	0.5	4	PLFA	BacB	5.65	6.36	0.82	0.91	3	3 *
318	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	BacB	31.8	23.8	3.7	0.8	2	2
321	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	BacB	31.8	17.8	3.7	2.3	2	2
315	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	BacB	31.8	14.7	3.7	1.6	2	2
319	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	BacB	30	23.2	0.8	0.6	2	2
322	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	BacB	30	18.6	0.8	2.7	2	2
316	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	BacB	30	18.2	0.8	3.4	2	2
320	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	BacB	31.6	36	0.4	3.8	2	2
323	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	BacB	31.6	22.7	0.4	1.5	2	2
317	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	BacB	31.6	16.6	0.4	2.6	2	2
326	Shen et al, Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	BacB	3.67	2.82	1.56	1.06	3	3
327	Shen et al, Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	BacB	1.67	3.12	0.94	1.82	3	3
344	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	BacB	23.6	26.9	0.8	4.1	3	3
340	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	BacB	23.6	32	0.8	4.9	3	3
342	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	BacB	23.6	31.4	0.8	1.8	3	3
345	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	BacB	24.2	25.4	1.7	3.1	3	3
341	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	BacB	24.2	31.2	1.7	7.7	3	3
343	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	BacB	24.2	28.4	1.7	5.3	3	3

347	Su et al,20	Gurbantun	44.28	87.93	Desert	160	6.6	50	36	3	PLFA	BacB	2.8	3.7	0.7	1.7	6	6
352	Sun et al,2	Inner Mon	43.51	116.37	Grassland	400	-0.4	50	16	3	PLFA	BacB	17.32	15.91	1.19	1	3	3
350	Sun et al,2	Inner Mon	43.51	116.37	Grassland	400	-0.4	100	16	3	PLFA	BacB	17.32	13.55	1.19	1.09	3	3
351	Sun et al,2	Inner Mon	43.51	116.37	Grassland	400	-0.4	200	16	3	PLFA	BacB	17.32	15.34	1.19	0.94	3	3
355	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	BacB	396	361	92	90	4	4
356	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	BacB	667	445	220	96	4	4
357	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	BacB	369	415	48	104	4	4
358	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	BacB	712	936	110	210	4	4
359	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	BacB	870	670	200	144	4	4
360	Sundqvist	northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	BacB	859	630	234	72	4	4
402	Wang et al	Haibei, Chi	37.53	101.25	Grassland	560	-1.7	200	16	6	PLFA	BacB	41	35	3.5	1.7	12	12
403	Wang et al	Haibei, Chi	37.53	101.25	Grassland	560	-1.7	200	16	6	PLFA	BacB	99.7	53.6	1.9	2.8	12	12
416	Wardle et	northern S	65.5	19	Tundra	600	-0.5	50	2	11	PLFA	BacB	5.36	5.83	0.45	0.34	5	5
420	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	56	16	3	PLFA	BacB	21.5	18.5	2.2	1.5	6	6
417	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	112	16	3	PLFA	BacB	21.5	17.2	2.2	2.4	6	6
418	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	224	16	3	PLFA	BacB	21.5	17.3	2.2	2.5	6	6
419	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	392	16	3	PLFA	BacB	21.5	16	2.2	3.4	6	6
421	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	560	16	3	PLFA	BacB	21.5	15.2	2.2	1.7	6	6
426	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	60	22.9	8	PLFA	BacB	58.7	56.7	0.5	4.5	3	3
422	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	120	22.9	8	PLFA	BacB	58.7	66.3	0.5	10.2	3	3
424	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	240	22.9	8	PLFA	BacB	58.7	45.4	0.5	4.8	3	3
427	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	60	22.9	8	PLFA	BacB	37.6	20.9	11.8	10.4	3	3
423	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	120	22.9	8	PLFA	BacB	37.6	38.8	11.8	8.8	3	3
425	Wu et al,2	Sanming, F	26.5	117.72	Temperate	1628	19.2	240	22.9	8	PLFA	BacB	37.6	29.9	11.8	3.3	3	3
448	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	168	7.3	5	PLFA	BacB	2327	2004	534.6338	223.913	3	3
449	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	240	7.3	5	PLFA	BacB	2327	1574	534.6338	111.8179	3	3
450	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	270	7.3	5	PLFA	BacB	2327	1790	534.6338	137.1051	3	3
451	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	312	7.3	5	PLFA	BacB	2327	1618	534.6338	348.3745	3	3
452	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	168	7.3	5	PLFA	BacB	1175	1649	112	137	3	3
453	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	240	7.3	5	PLFA	BacB	1175	1678	112	49.77768	3	3
454	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	270	7.3	5	PLFA	BacB	1175	1693	112	173.5464	3	3
455	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	312	7.3	5	PLFA	BacB	1175	1637	112	210.8537	3	3
444	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	168	7.3	5	PLFA	BacB	1854	1208	12	186.2939	3	3
445	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	240	7.3	5	PLFA	BacB	1854	1202	12	199.0588	3	3
446	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	270	7.3	5	PLFA	BacB	1854	1295	12	49.25808	3	3
447	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	312	7.3	5	PLFA	BacB	1854	1518	12	186.242	3	3
485	Zhao et al,	Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	BacB	98.9	91.1	12.6	3.8	4	4
486	Zhao et al,	Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	BacB	89.9	62.9	15.4	11.6	4	4
8	Bai et al,2	northeast	43.51	124.81	Temperate	575	5.5	150	7.3	25	PLFA	FB	0.37	0.33	0.02	0.01	3	3
12	Bi et al,201	Inner Mon	42.03	116.28	Grassland	385.5	2.1	100	16	2	PLFA	FB	0.12	0.09	0	0	4	4
13	Boot et al,	Rocky Mou	36.05	-112.13	Temperate	1050	12.2	25	3.5	6	PLFA	FB	0.41	0.39	0.05	0.03	3	3
46	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	11	PLFA	FB	0.066	0.071	0.002	0.004	5	5
49	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	11	PLFA	FB	0.066	0.07	0.002	0.007	5	5
45	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	11	PLFA	FB	0.066	0.068	0.002	0.007	5	5
47	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	11	PLFA	FB	0.066	0.073	0.002	0.005	5	5
48	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	11	PLFA	FB	0.066	0.071	0.002	0.003	5	5
51	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	12	PLFA	FB	0.031	0.033	0.002	0.004	5	5
54	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	12	PLFA	FB	0.031	0.034	0.002	0.002	5	5
50	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	12	PLFA	FB	0.031	0.039	0.002	0.007	5	5
52	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	12	PLFA	FB	0.031	0.042	0.002	0.004	5	5
53	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	12	PLFA	FB	0.031	0.042	0.002	0.002	5	5
75	Chung et a	Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	FB	0.13	0.12	0.02	0.01	6	6
76	Chung et a	Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	FB	0.14	0.14	0.01	0.01	6	6
77	Chung et a	Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	FB	0.14	0.15	0.02	0.02	6	6
78	Chung et a	Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	FB	0.13	0.15	0.01	0.03	6	6
90	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	40	6.1	2	DFS	FB	0.46	0.44	0.11	0.12	4	2
92	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	80	6.1	2	DFS	FB	0.46	0.38	0.11	0.01	4	2
88	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	120	6.1	2	DFS	FB	0.46	0.35	0.11	0.21	4	2
91	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	40	6.1	2	DFS	FB	0.35	0.39	0.1	0.16	4	8
93	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	80	6.1	2	DFS	FB	0.35	0.36	0.1	0.11	4	8
89	de Vries et	Heino, The	52.42	6.25	Grassland	805	9.5	120	6.1	2	DFS	FB	0.35	0.25	0.1	0.07	4	8
96	Demoling	Flakaliden	64.12	19.45	Boreal For	600	1.2	75	3	16	PLFA	FB	0.21	0.14	0.06	0.04	8	8

95	Demoling (Asa in sout	57.13	14.75	Boreal For	700	5.2	75	10	16	PLFA	FB	0.19	0.14	0.06	0.05	8	8
97	Demoling (Skogaby in	56.55	13.22	Boreal For	1100	7.1	100	20	14	PLFA	FB	0.23	0.13	0.03	0.02	8	8
98	Dias et al,2 Lisbon, Por	38.48	-9.02	Temperate	730	17.9	40	2	2.5	PLFA	FB	0.13	0.16	0.04	0.05	3	3
99	Dias et al,2 Lisbon, Por	38.48	-9.02	Temperate	730	17.9	80	2	2.5	PLFA	FB	0.13	0.12	0.04	0.04	3	3
103	Farrer et al Niwot Ridg	40.05	-105.58	Tundra	406	10.5	288	1.8	9	PLFA	FB	0.28	0.24	0.02	0.02	7	7
104	Farrer et al Niwot Ridg	40.05	-105.58	Tundra	406	10.5	288	1.8	9	PLFA	FB	0.26	0.22	0.02	0.01	7	7
140	Hogberg et Norrliden,	64.35	19.75	Boreal For	570	1	34	3	33	PLFA	FB	0.35	0.16	0.05	0.02	3	3
141	Hogberg et Norrliden,	64.35	19.75	Boreal For	570	1	68	3	19	PLFA	FB	0.35	0.15	0.05	0.02	3	3
139	Hogberg et Norrliden,	64.35	19.75	Boreal For	570	1	108	3	19	PLFA	FB	0.35	0.2	0.05	0.05	3	3
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	FB	0.41	0.42	0	0	6	6
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	FB	0.28	0.24	0	0	6	6
166	Jiang et al, Guangzhou	23.1	113.29	Grassland	1735	21.9	100	51	1.5	DFS	FB	0.72	1.07	0.15	0.23	3	3
167	Jiang et al, Guangzhou	23.1	113.29	Grassland	1735	21.9	200	51	1.5	DFS	FB	0.72	1.35	0.15	0.14	3	3
196	Khalili et al Orange Co	33.742	-117.704	Grassland	281	17	60	3.4	5	PLFA	FB	0.089	0.083	0.006	0.01	6	6
196	Khalili et al Orange Co	33.742	-117.704	Shrubland	281	17	60	3.4	5	PLFA	FB	0.084	0.08	0.007	0.012	6	6
209	Li et al,201 Inner Mon	42.03	116.28	Grassland	405	2.8	100	16	3	PLFA	FB	0.22	0.27	0.06	0.07	6	6
212	Li et al,201 Guangdon	21.45	110.9	Tropical Fo	1550	23	100	15.4	3.4	PLFA	FB	0.038	0.056	0.007	0.014	5	5
223	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	33	4.5	PLFA	FB	0.07	0.11	0.01	0.03	5	5
231	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	FB	0.05	0.07	0.01	0.01	5	5
232	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	FB	0.05	0.06	0.01	0.01	5	5
248	Ma et al,2(Songnen, J	44.75	123.75	Grassland	410	4.9	100	27	3	PLFA	FB	0.31	0.19	0.03	0.01	6	6
255	Ma et al,2(Inner Mon	43.79	116.03	Grassland	343	2.1	250	16	7	PLFA	FB	0.13	0.13	0.04	0.03	4	4
256	Ma et al,2(Inner Mon	43.79	116.03	Grassland	343	2.1	500	16	7	PLFA	FB	0.13	0.12	0.04	0.04	4	4
257	Maaroufi e northern S	64.23	19.77	Boreal For	583	1.7	12.5	2	16	PLFA	FB	0.74	0.8	0.22	0.25	5	5
258	Maaroufi e northern S	64.23	19.77	Boreal For	583	1.7	50	2	16	PLFA	FB	0.74	0.57	0.22	0.07	5	5
264	Min et al,2 Xinjiang, Cl	44.3	86.03	Cropland	210	7.4	360	0.5	4	PLFA	FB	0.06	0.03	0.02	0.01	3	3 *
269	Nemergut Rocky Mou	40.5	-105.58	Grassland	528	2	10	1.8	10	qPCR	FB	0.008	0.009	0.002	0.001	5	5
318	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	FB	0.12	0.15	0	0.02	2	2
321	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	FB	0.12	0.09	0	0.02	2	2
315	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	FB	0.12	0.06	0	0.01	2	2
319	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	FB	0.13	0.1	0.02	0.01	2	2
322	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	FB	0.13	0.09	0.02	0.02	2	2
316	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	FB	0.13	0.06	0.02	0.02	2	2
320	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	FB	0.12	0.1	0.01	0.02	2	2
323	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	FB	0.12	0.1	0.01	0.02	2	2
317	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	FB	0.12	0.05	0.01	0	2	2
326	Shen et al, Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	FB	0.25	0.23	0.05	0.09	3	3
327	Shen et al, Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	FB	0.27	0.21	0.07	0.06	3	3
330	Shi et al,20 Henan Pro	31.82	114.06	Temperate	1119	15.2	25	19.6	1	PLFA	FB	0.21	0.21	0.03	0.01	8	8
331	Shi et al,20 Henan Pro	31.82	114.06	Temperate	1119	15.2	50	19.6	1	PLFA	FB	0.21	0.2	0.03	0.02	8	8
328	Shi et al,20 Guangdon	24.44	113.3	Temperate	1700	20.8	25	34.1	1	PLFA	FB	0.21	0.2	0.01	0.04	8	8
329	Shi et al,20 Guangdon	24.44	113.3	Temperate	1700	20.8	50	34.1	1	PLFA	FB	0.21	0.21	0.01	0.01	8	8
344	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	FB	0.16	0.25	0.04	0.1	3	3
340	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	FB	0.16	0.16	0.04	0.02	3	3
342	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	FB	0.16	0.15	0.04	0.03	3	3
345	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	FB	0.1	0.16	0.04	0.04	3	3
341	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	FB	0.1	0.11	0.04	0.05	3	3
343	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	FB	0.1	0.15	0.04	0.01	3	3
347	Su et al,20 Gurbantun	44.28	87.93	Desert	160	6.6	50	36	3	PLFA	FB	0.41	0.42	0	0	6	6
352	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	50	16	3	PLFA	FB	0.034	0.034	0.002	0.001	3	3
350	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	100	16	3	PLFA	FB	0.034	0.043	0.002	0.001	3	3
351	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	200	16	3	PLFA	FB	0.034	0.034	0.002	0.002	3	3
355	Sundqvist northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FB	0.48	0.52	0.08	0.08	4	4
356	Sundqvist northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FB	0.6	0.82	0.32	0.16	4	4
357	Sundqvist northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FB	0.61	0.75	0.18	0.22	4	4
358	Sundqvist northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FB	0.16	0.22	0.08	0.1	4	4
359	Sundqvist northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FB	0.33	0.29	0.04	0.1	4	4
360	Sundqvist northern S	68.35	18.82	Tundra	310	-0.3	100	1.7	3	PLFA	FB	0.24	0.27	0.1	0.02	4	4
365	van Dieper Michigan,	46.87	-88.88	Boreal For	821	4.8	30	3.8	12	PLFA	FB	0.38	0.3	0.02	0.02	6	6
365	van Dieper Michigan,	45.55	-84.85	Temperate	828	6.1	30	5.8	12	PLFA	FB	0.31	0.3	0.05	0.01	6	6
365	van Dieper Michigan,	44.38	-85.83	Temperate	856	6.9	30	7.8	12	PLFA	FB	0.26	0.22	0.02	0.02	6	6
365	van Dieper Michigan,	43.67	-86.15	Temperate	793	7.6	30	7.6	12	PLFA	FB	0.3	0.31	0.01	0.07	6	6

413	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	FB	0.068	0.059	0.007	0.01	4	4
407	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	FB	0.068	0.049	0.007	0.004	4	4
410	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	FB	0.068	0.043	0.007	0.005	4	4
414	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	FB	0.051	0.049	0.006	0.004	4	4
408	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	FB	0.051	0.042	0.006	0.003	4	4
411	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	FB	0.051	0.035	0.006	0.001	4	4
415	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	FB	0.093	0.066	0.008	0.008	4	4
409	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	FB	0.093	0.052	0.008	0.006	4	4
412	Wang et al	Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	FB	0.093	0.043	0.008	0.005	4	4
416	Wardle et	northern S	65.5	19	Tundra	600	-0.5	50	2	11	PLFA	FB	0.33	0.2	0.03	0.04	5	5
420	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	56	16	3	PLFA	FB	0.23	0.21	0.02	0.02	6	6
417	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	112	16	3	PLFA	FB	0.23	0.2	0.02	0.05	6	6
418	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	224	16	3	PLFA	FB	0.23	0.18	0.02	0.03	6	6
419	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	392	16	3	PLFA	FB	0.23	0.16	0.02	0.01	6	6
421	Wei et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	560	16	3	PLFA	FB	0.23	0.17	0.02	0.02	6	6
426	Wu et al,2(	Sanming, F	26.5	117.72	Temperate	1628	19.2	60	22.9	8	PLFA	FB	0.143	0.153	0.014	0.023	3	3
422	Wu et al,2(	Sanming, F	26.5	117.72	Temperate	1628	19.2	120	22.9	8	PLFA	FB	0.143	0.138	0.014	0.016	3	3
424	Wu et al,2(	Sanming, F	26.5	117.72	Temperate	1628	19.2	240	22.9	8	PLFA	FB	0.143	0.145	0.014	0.016	3	3
427	Wu et al,2(	Sanming, F	26.5	117.72	Temperate	1628	19.2	60	22.9	8	PLFA	FB	0.156	0.138	0.014	0.012	3	3
423	Wu et al,2(	Sanming, F	26.5	117.72	Temperate	1628	19.2	120	22.9	8	PLFA	FB	0.156	0.14	0.014	0.016	3	3
425	Wu et al,2(	Sanming, F	26.5	117.72	Temperate	1628	19.2	240	22.9	8	PLFA	FB	0.156	0.133	0.014	0.014	3	3
434	Xiong et al,	Qinghai-Tib	31.55	102.35	Grassland	397.3	1.7	50	2	2	PLFA	FB	0.59	0.34	0.09	0.12	3	3
432	Xiong et al,	Qinghai-Tib	31.55	102.35	Grassland	397.3	1.7	150	2	2	PLFA	FB	0.59	0.49	0.09	0.16	3	3
433	Xiong et al,	Qinghai-Tib	31.55	102.35	Grassland	397.3	1.7	300	7.3	5	PLFA	FB	0.59	0.45	0.09	0.08	3	3
448	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	168	7.3	5	PLFA	FB	0.053851	0.042408	0.022322	0.010331	3	3
449	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	240	7.3	5	PLFA	FB	0.053851	0.04314	0.022322	0.004957	3	3
450	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	270	7.3	5	PLFA	FB	0.053851	0.046264	0.022322	0.004124	3	3
451	Yu et al,20	Sankeshu,	43.33	124	Cropland	474	5.8	312	7.3	5	PLFA	FB	0.053851	0.044607	0.022322	0.016944	3	3
452	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	168	7.3	5	PLFA	FB	0.057326	0.043503	0.010738	0.010735	3	3
453	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	240	7.3	5	PLFA	FB	0.057326	0.042085	0.010738	0.002882	3	3
454	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	270	7.3	5	PLFA	FB	0.057326	0.039232	0.010738	0.007434	3	3
455	Yu et al,20	Wangjiaqia	43.25	124.28	Cropland	474	5.8	312	7.3	5	PLFA	FB	0.057326	0.040918	0.010738	0.009517	3	3
444	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	168	7.3	5	PLFA	FB	0.056271	0.052708	0.002065	0.012392	3	3
445	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	240	7.3	5	PLFA	FB	0.056271	0.047707	0.002065	0.019835	3	3
446	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	270	7.3	5	PLFA	FB	0.056271	0.047007	0.002065	0.007435	3	3
447	Yu et al,20	Fujiajie	43.35	124.07	Cropland	474	5.8	312	7.3	5	PLFA	FB	0.056271	0.057049	0.002065	0.01612	3	3
481	Zhang et al	Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	PLFA	FB	0.28	0.27	0.02	0.07	6	6
482	Zhang et al	Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	PLFA	FB	0.26	0.24	0.02	0.05	6	6
485	Zhao et al,	Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	FB	0.091	0.074	0.003	0.003	4	4
486	Zhao et al,	Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	FB	0.141	0.053	0.004	0.003	4	4
495	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	60	7.8	4	PLFA	FB	0.019	0.017	0.001	0.004	3	3
487	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	120	7.8	4	PLFA	FB	0.019	0.018	0.001	0.001	3	3
489	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	180	7.8	4	PLFA	FB	0.019	0.025	0.001	0.003	3	3
491	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	240	7.8	4	PLFA	FB	0.019	0.071	0.001	0.02	3	3
493	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	300	7.8	4	PLFA	FB	0.019	0.056	0.001	0.01	3	3
496	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	70	7.8	4	PLFA	FB	0.024	0.026	0.012	0.002	3	3
488	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	140	7.8	4	PLFA	FB	0.024	0.023	0.012	0.001	3	3
490	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	210	7.8	4	PLFA	FB	0.024	0.035	0.012	0.002	3	3
492	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	280	7.8	4	PLFA	FB	0.024	0.079	0.012	0.002	3	3
494	Zhao et al,	Hengshui,	37.88	115.7	Cropland	550	12.4	350	7.8	4	PLFA	FB	0.024	0.044	0.012	0.002	3	3
500	Zhong et a	Yangling, S	34.3	108.07	Cropland	632	13	90	10.7	10	qPCR	FB	0.2	0.181	0.007	0.007	3	3
497	Zhong et a	Yangling, S	34.3	108.07	Cropland	632	13	180	10.7	10	qPCR	FB	0.2	0.179	0.007	0.006	3	3
498	Zhong et a	Yangling, S	34.3	108.07	Cropland	632	13	270	10.7	10	qPCR	FB	0.2	0.176	0.007	0.006	3	3
499	Zhong et a	Yangling, S	34.3	108.07	Cropland	632	13	360	10.7	10	qPCR	FB	0.2	0.18	0.007	0.005	3	3
8	Bai et al,2(	northeast	43.51	124.81	Temperate	575	5.5	150	7.3	25	PLFA	TotB	54.2	46.9	9	4	3	3
12	Bi et al,201	Inner Mon	42.03	116.28	Grassland	385.5	2.1	100	16	2	PLFA	TotB	3412	1192	116	136	4	4
4	B?rjesson	Ultuna, Sw	59.82	17.65	Cropland	581	6.4	80	2.7	53	PLFA	TotB	46.3	41.5	11.1	4.2	4	4
5	B?rjesson	Ultuna, Sw	59.82	17.65	Cropland	581	6.4	80	2.7	53	PLFA	TotB	17.1	14.2	3.6	1.4	4	4
6	B?rjesson	Ultuna, Sw	59.82	17.65	Cropland	581	6.4	80	2.7	53	PLFA	TotB	46.3	40	11.1	3.1	4	4
46	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	11	PLFA	TotB	41.2	37.6	4.7	3.8	5	5
49	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	11	PLFA	TotB	41.2	34.6	4.7	3.1	5	5
45	Chen et al,	Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	11	PLFA	TotB	41.2	30.9	4.7	4.5	5	5

47	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	11	PLFA	TotB	41.2	28.8	4.7	3.1	5	5	
48	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	11	PLFA	TotB	41.2	28.1	4.7	1.6	5	5	
51	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	12	PLFA	TotB	19.4	17.9	1.1	1.3	5	5	
54	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	12	PLFA	TotB	19.4	16.9	1.1	1.6	5	5	
50	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	12	PLFA	TotB	19.4	15	1.1	1.3	5	5	
52	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	12	PLFA	TotB	19.4	14.6	1.1	0.9	5	5	
53	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	12	PLFA	TotB	19.4	14.1	1.1	0.7	5	5	
75	Chung et a Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	TotB	79	59	24	20	6	6	
76	Chung et a Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	TotB	73	73	20	39	6	6	
77	Chung et a Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	TotB	82	101	34	27	6	6	
78	Chung et a Minnesota	45.3	-94.2	Grassland	719	6	40	6.2	4	PLFA	TotB	77	95	22	42	6	6	
96	Demoling (Flakaliden	64.12	19.45	Boreal For	600	1.2	75	3	16	SIR	TotB	3.27	2.55	0.59	0.42	8	8	
95	Demoling (Asa in sout	57.13	14.75	Boreal For	700	5.2	75	10	16	SIR	TotB	2.5	2.51	0.31	0.38	8	8	
97	Demoling (Skogaby in	56.55	13.22	Boreal For	1100	7.1	100	20	14	SIR	TotB	4.14	3.19	0.4	0.39	8	8	
98	Dias et al,2 Lisbon, Por	38.48	-9.02	Temperate	730	17.9	40	2	2.5	PLFA	TotB	14	19.5	3	5.6	3	3	
99	Dias et al,2 Lisbon, Por	38.48	-9.02	Temperate	730	17.9	80	2	2.5	PLFA	TotB	14	3.4	3	0.3	3	3	
135	He et al,20 Hunan, Chi	26.9	109.78	Temperate	1200	16.5	100	28	1	PLFA	TotB	42.4	31.1	3.2	0.3	3	3	
136	Hobbie et a central Mir	45.4	-93.2	Temperate	801	6.7	100	5.6	4	PLFA	TotB	3404	2751	516	412	5	5	
138	Hobbie et a central Mir	45.4	-93.2	Temperate	801	6.7	100	5.6	4	PLFA	TotB	3404	3077	516	379	5	5	
137	Hobbie et a central Mir	45.4	-93.2	Temperate	801	6.7	100	5.6	9	PLFA	TotB	3404	3077	516	396	5	5	
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	TotB	4.4	5.9	1.2	2.4	6	6	
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	TotB	15.6	13.7	1.5	1.2	6	6	
196	Khalili et al Orange Co	33.742	-117.704	Grassland	281	17	60	3.4	5	PLFA	TotB	87	87	12	10	6	6	
196	Khalili et al Orange Co	33.742	-117.704	Shrubland	281	17	60	3.4	5	PLFA	TotB	64	68	10	7	6	6	
209	Li et al,201 Inner Mon	42.03	116.28	Grassland	405	2.8	100	16	3	PLFA	TotB	74.7	102.5	16.8	13.9	6	6	
212	Li et al,201 Guangdon	21.45	110.9	Tropical Fo	1550	23	100	15.4	3.4	PLFA	TotB	17.66	13.42	1.23	3.5	5	5	
223	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	33	4.5	PLFA	TotB	165	156	9	36	5	5	
231	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	TotB	101	118	39	36	5	5	
232	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	TotB	77	91	17	32	5	5	
248	Ma et al,2(Songnen, J	44.75	123.75	Grassland	410	4.9	100	27	3	PLFA	TotB	130	158	12	15	6	6	
257	Maaroufi e northern S	64.23	19.77	Boreal For	583	1.7	12.5	2	16	PLFA	TotB	2.24	1.97	0.34	0.22	5	5	
258	Maaroufi e northern S	64.23	19.77	Boreal For	583	1.7	50	2	16	PLFA	TotB	2.24	1.61	0.34	0.2	5	5	
264	Min et al,2 Xinjiang, Cl	44.3	86.03	Cropland	210	7.4	360	0.5	4	PLFA	TotB	7.73	8.76	1.49	2.87	3	3	*
318	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	TotB	58.9	46.5	7.1	2	2	2	
321	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	TotB	58.9	32	7.1	10	2	2	
315	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	TotB	58.9	25.5	7.1	2.3	2	2	
319	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	TotB	55.7	43.4	2.1	1.3	2	2	
322	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	TotB	55.7	34.7	2.1	2.7	2	2	
316	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	TotB	55.7	31.7	2.1	4.5	2	2	
320	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	48	12.3	153	SIR	TotB	59.5	65.9	1	1.4	2	2	
323	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	96	12.3	153	SIR	TotB	59.5	41.8	1	2.6	2	2	
317	Rousk et al Park Grass	51.81	-0.36	Grassland	683	9.6	144	12.3	153	SIR	TotB	59.5	28.9	1	4	2	2	
326	Shen et al, Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	TotB	4.82	3.76	0.33	0.43	3	3	
327	Shen et al, Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	TotB	2.19	3.9	0.43	1.4	3	3	
330	Shi et al,20 Henan Pro	31.82	114.06	Temperate	1119	15.2	25	19.6	1	PLFA	TotB	22.2	21.3	7.4	7.4	8	8	
331	Shi et al,20 Henan Pro	31.82	114.06	Temperate	1119	15.2	50	19.6	1	PLFA	TotB	22.2	22.5	7.4	7.1	8	8	
328	Shi et al,20 Guangdon	24.44	113.3	Temperate	1700	20.8	25	34.1	1	PLFA	TotB	35.6	27.1	14.4	6.2	8	8	
329	Shi et al,20 Guangdon	24.44	113.3	Temperate	1700	20.8	50	34.1	1	PLFA	TotB	35.6	26.5	14.4	7.9	8	8	
344	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	TotB	28.1	35.5	2	1.5	3	3	
340	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	TotB	28.1	37.6	2	6	3	3	
342	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	TotB	28.1	36.8	2	1.7	3	3	
345	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	TotB	28.1	30.1	3.6	4.4	3	3	
341	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	TotB	28.1	35	3.6	6	3	3	
343	Song et al, DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	TotB	28.1	33.4	3.6	6.4	3	3	
347	Su et al,20 Gurbantun	44.28	87.93	Desert	160	6.6	50	36	3	PLFA	TotB	4.4	5.9	1.2	2.4	6	6	
352	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	50	16	3	PLFA	TotB	31.27	28.98	2.1	1.54	3	3	
350	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	100	16	3	PLFA	TotB	31.27	24.96	2.1	2.07	3	3	
351	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	200	16	3	PLFA	TotB	31.27	27.83	2.1	1.71	3	3	
402	Wang et al Haibei, Chi	37.53	101.25	Grassland	560	-1.7	200	16	6	PLFA	TotB	60.3	40.9	0.8	1.1	12	12	
403	Wang et al Haibei, Chi	37.53	101.25	Grassland	560	-1.7	200	16	6	PLFA	TotB	110.8	80.3	2.4	0.9	12	12	
413	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	TotB	21.2	11.7	2.9	2	4	4	
407	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	TotB	21.2	12.5	2.9	1.4	4	4	

410	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	TotB	21.2	13.7	2.9	1.5	4	4	
414	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	TotB	17.6	9	2.2	0.6	4	4	
408	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	TotB	17.6	10.9	2.2	1.7	4	4	
411	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	TotB	17.6	10.6	2.2	1.1	4	4	
415	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	TotB	19.9	11.1	5.1	2.5	4	4	
409	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	TotB	19.9	12.6	5.1	1.6	4	4	
412	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	TotB	19.9	12.7	5.1	1.2	4	4	
420	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	56	16	3	PLFA	TotB	43.02	36.4	4	3.1	6	6	
417	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	112	16	3	PLFA	TotB	43.02	33.39	4	4.2	6	6	
418	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	224	16	3	PLFA	TotB	43.02	32.23	4	3.7	6	6	
419	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	392	16	3	PLFA	TotB	43.02	28.51	4	5.8	6	6	
421	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	560	16	3	PLFA	TotB	43.02	26.9	4	3.8	6	6	
426	Wu et al,2(Sanming, F	26.5	117.72	Temperate	1628	19.2	60	22.9	8	PLFA	TotB	126	124	7	16	3	3	
422	Wu et al,2(Sanming, F	26.5	117.72	Temperate	1628	19.2	120	22.9	8	PLFA	TotB	126	140	7	31	3	3	
424	Wu et al,2(Sanming, F	26.5	117.72	Temperate	1628	19.2	240	22.9	8	PLFA	TotB	126	98	7	7	3	3	
427	Wu et al,2(Sanming, F	26.5	117.72	Temperate	1628	19.2	60	22.9	8	PLFA	TotB	83	47	29	23	3	3	
423	Wu et al,2(Sanming, F	26.5	117.72	Temperate	1628	19.2	120	22.9	8	PLFA	TotB	83	86	29	14	3	3	
425	Wu et al,2(Sanming, F	26.5	117.72	Temperate	1628	19.2	240	22.9	8	PLFA	TotB	83	67	29	5	3	3	
434	Xiong et al, Qinghai-Tib	31.55	102.35	Grassland	397.3	1.7	50	2	2	PLFA	TotB	3.1	4.2	0.2	1	3	3	
432	Xiong et al, Qinghai-Tib	31.55	102.35	Grassland	397.3	1.7	150	2	2	PLFA	TotB	3.1	2.7	0.2	0.9	3	3	
433	Xiong et al, Qinghai-Tib	31.55	102.35	Grassland	397.3	1.7	300	7.3	5	PLFA	TotB	3.1	2.6	0.2	0.7	3	3	
448	Yu et al,20 Sankeshu,	43.33	124	Cropland	474	5.8	168	7.3	5	PLFA	TotB	5632	4926	1192	495	3	3	
449	Yu et al,20 Sankeshu,	43.33	124	Cropland	474	5.8	240	7.3	5	PLFA	TotB	5632	3819	1192	263	3	3	
450	Yu et al,20 Sankeshu,	43.33	124	Cropland	474	5.8	270	7.3	5	PLFA	TotB	5632	4449	1192	263	3	3	
451	Yu et al,20 Sankeshu,	43.33	124	Cropland	474	5.8	312	7.3	5	PLFA	TotB	5632	3991	1192	726	3	3	
452	Yu et al,20 Wangjiaqia	43.25	124.28	Cropland	474	5.8	168	7.3	5	PLFA	TotB	3170	4468	428	298	3	3	
453	Yu et al,20 Wangjiaqia	43.25	124.28	Cropland	474	5.8	240	7.3	5	PLFA	TotB	3170	4754	428	563	3	3	
454	Yu et al,20 Wangjiaqia	43.25	124.28	Cropland	474	5.8	270	7.3	5	PLFA	TotB	3170	4544	428	497	3	3	
455	Yu et al,20 Wangjiaqia	43.25	124.28	Cropland	474	5.8	312	7.3	5	PLFA	TotB	3170	4315	428	530	3	3	
444	Yu et al,20 Fujiajie	43.35	124.07	Cropland	474	5.8	168	7.3	5	PLFA	TotB	4563	3380	133	528	3	3	
445	Yu et al,20 Fujiajie	43.35	124.07	Cropland	474	5.8	240	7.3	5	PLFA	TotB	4563	3341	133	497	3	3	
446	Yu et al,20 Fujiajie	43.35	124.07	Cropland	474	5.8	270	7.3	5	PLFA	TotB	4563	3494	133	199	3	3	
447	Yu et al,20 Fujiajie	43.35	124.07	Cropland	474	5.8	312	7.3	5	PLFA	TotB	4563	4162	133	298	3	3	
485	Zhao et al,: Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	TotB	225	188	6	12	4	4	
486	Zhao et al,: Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	TotB	188	148	24	16	4	4	
495	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	60	7.8	4	PLFA	TotB	10.8	11.4	0.1	1.2	3	3	
487	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	120	7.8	4	PLFA	TotB	10.8	12.3	0.1	1	3	3	
489	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	180	7.8	4	PLFA	TotB	10.8	11.9	0.1	0.7	3	3	
491	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	240	7.8	4	PLFA	TotB	10.8	11.8	0.1	0.8	3	3	
493	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	300	7.8	4	PLFA	TotB	10.8	12.4	0.1	0.4	3	3	
496	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	70	7.8	4	PLFA	TotB	8	8.4	0.5	0.5	3	3	
488	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	140	7.8	4	PLFA	TotB	8	9.1	0.5	0.5	3	3	
490	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	210	7.8	4	PLFA	TotB	8	9.6	0.5	1	3	3	
492	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	280	7.8	4	PLFA	TotB	8	9.3	0.5	0.7	3	3	
494	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	350	7.8	4	PLFA	TotB	8	9.6	0.5	0.7	3	3	
1	Adeboye e Zaria, Nige	11.18	7.63	Cropland	1061	24.9	60	3.7	2	FE	MBC	270.28	268.19	32.13	24.38	4	4	
2	Ajwa et al, south of M	39.1	-96.61	Grassland	776	12.7	100	9.4	8	FE	MBC	1114	682	267	165	4	4	*
3	Allison et a Alaskan	63.92	-145.73	Boreal For	293	-3.8	200	1	3	FE	MBC	1234	1073	300	560	4	4	
7	Bach and H Boone Cou	41.92	-93.75	Grassland	918	9	84	7	5	FE	MBC	505	556	37	41	4	4	
8	Bai et al,2(northeast	43.51	124.81	Temperate	575	5.5	150	7.3	25	FE	MBC	163	107	7	9	3	3	
9	Barnard et central Cal	37.4	-122.24	Grassland	682	13.9	70	2.6	5	FE	MBC	388.2	401.6	55.4	53.2	8	8	
10	Belay et al, University	25.75	28.27	Cropland	700	23	205	0.7	60	FE	MBC	140	353	44.4	21.6	4	4	
18	Brenner et interior Ala	64.75	-148.3	Boreal For	269	-3.7	100	0.5	5	FE	MBC	52.6	45.1	13.9	6.6	3	3	
19	Brenner et interior Ala	64.75	-148.3	Boreal For	269	-3.7	100	0.5	5	FE	MBC	26.6	25.2	9.2	1.2	3	3	
40	Chen et al, Queenslan	-26.47	152.62	Temperate	1146	19.5	300	1.1	5	FE	MBC	924.5	718.4	142.8	297.2	4	4	
42	Chen et al, Queenslan	-26.47	152.62	Temperate	1146	19.5	600	1.1	5	FE	MBC	924.5	724.9	142.8	306.6	4	4	
41	Chen et al, Queenslan	-26.47	152.62	Temperate	1146	19.5	300	1.1	5	FE	MBC	374.7	375.6	135.8	174.2	4	4	
43	Chen et al, Queenslan	-26.47	152.62	Temperate	1146	19.5	600	1.1	5	FE	MBC	374.7	535.5	135.8	232.8	4	4	
44	Chen et al, Guangzhou	23.33	113.5	Tropical Fo	1750	21.5	100	59	4	FE	MBC	251	183	37	45	2	2	
55	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	MBC	13.8	27.71	3.79	5.84	3	3	
59	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	MBC	13.8	18.74	3.79	3.13	3	3	
63	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	MBC	13.8	20.16	3.79	6.36	3	3	

67	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	MBC	13.8	56.42	3.79	35.14	3	3	
71	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	MBC	13.8	28.83	3.79	7.21	3	3	
56	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	MBC	9.03	7.49	1.68	2.39	3	3	
60	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	MBC	9.03	8.15	1.68	5.7	3	3	
64	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	MBC	9.03	3.73	1.68	3.83	3	3	
68	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	MBC	9.03	7.37	1.68	7.83	3	3	
72	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	MBC	9.03	12.44	1.68	4.87	3	3	
57	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	MBC	14.24	38.22	10.96	30.47	3	3	
61	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	MBC	14.24	19.14	10.96	2.36	3	3	
65	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	MBC	14.24	13.2	10.96	4.5	3	3	
69	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	MBC	14.24	16.51	10.96	14.1	3	3	
73	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	MBC	14.24	22.99	10.96	14.62	3	3	
58	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	MBC	33.36	32.81	4.02	17.34	3	3	
62	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	MBC	33.36	97.63	4.02	58.07	3	3	
66	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	MBC	33.36	27.66	4.02	9.06	3	3	
70	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	MBC	33.36	61.14	4.02	1.92	3	3	
74	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	MBC	33.36	39.49	4.02	0.36	3	3	
79	Churchlan	Northwest	64.87	-111.58	Tundra	160	-9	200	0.2	2	FE	MBC	699	573	253	213	6	6	
80	Churchlan	Northwest	64.87	-111.58	Tundra	160	-9	200	0.2	2	FE	MBC	626	499	229	188	6	6	
83	Compton e	Harvard Fo	42.5	-72.33	Temperate	1142	7.5	50	19	13	FE	MBC	1231	810	479	185	3	3	
81	Compton e	Harvard Fo	42.5	-72.33	Temperate	1142	7.5	150	19	13	FE	MBC	1231	656	479	149	3	3	
84	Compton e	Harvard Fo	42.5	-72.33	Temperate	1142	7.5	50	19	13	FE	MBC	517	489	29	138	3	3	
82	Compton e	Harvard Fo	42.5	-72.33	Temperate	1142	7.5	150	19	13	FE	MBC	517	43	29	110	3	3	
85	Corre et al,	Solling, Ge	51.73	9.6	Temperate	1100	7.3	140	25	11	FE	MBC	179.89	145.79	43.33	40.92	5	5	
86	Corre et al,	Solling, Ge	51.73	9.6	Temperate	1100	7.3	140	25	11	FE	MBC	292.72	208.06	55.74	26.79	5	5	
87	Corre et al,	Chiriqui Pr	8.75	-82.25	Tropical Fo	5461	20.3	125	1	4	FE	MBC	31.4	44.4	7.8	14.8	4	4	
96	Demoling e	Flakaliden	64.12	19.45	Boreal For	600	1.2	75	3	16	FE	MBC	185	115	37	26.8	8	8	
95	Demoling e	Asa in sout	57.13	14.75	Boreal For	700	5.2	75	10	16	FE	MBC	168	106	18.4	19.5	8	8	
97	Demoling e	Skogaby in	56.55	13.22	Boreal For	1100	7.1	100	20	14	FE	MBC	80.7	50	9	9.4	8	8	
109	Fisk and Fa	White Mou	44.1	-71.4	Boreal For	1332	3.7	167	7	9	FE	MBC	579	383	168	110	24	24	
118	Fu,2013	Rocky Mou	40.5	-105.58	Grassland	1000	-4.1	134	1.8	6	FE	MBC	1074	875	161	102	7	7	
121	Garcia and	Manhattar	39.2	-96.6	Grassland	776	12.7	100	12.7	5	FE	MBC	262	245	42	39	4	4	*
129	Graham et	central Sou	-43.05	172.25	Grassland	2000	7.1	50	0.3	3	FE	MBC	639	655	34	24	4	4	
130	Hatch et al	Devon, Eng	50.7	-3.8	Grassland	1208	9.6	200	5.6	0.5	FE	MBC	1432	1732	561	818	8	8	
131	Hatch et al	Devon, Eng	50.7	-3.8	Grassland	1208	9.6	200	5.6	0.5	FE	MBC	1438	1478	154	240	8	8	
134	He et al,20	Inner Mon	43.55	116.67	Grassland	341	0.6	50	16	1	FE	MBC	288.7	285.76	7.45	25.19	3	3	
132	He et al,20	Inner Mon	43.55	116.67	Grassland	341	0.6	100	16	1	FE	MBC	288.7	317.73	7.45	17.42	3	3	
133	He et al,20	Inner Mon	43.55	116.67	Grassland	341	0.6	200	16	1	FE	MBC	288.7	220.74	7.45	11.49	3	3	
142	Hossain et	Canberra	-35.38	148.8	Temperate	1150	11.5	300	2.7	3	SIR	MBC	498	360	56	38	4	4	*
143	Hu et al,20	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	6	FE	MBC	977	742	109	78	3	3	
144	Hu et al,20	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	6	FE	MBC	465	374	107	149	3	3	
145	Hu et al,20	southern e	56.1	-110.9	Boreal For	456	-1	30	0.81	4	FE	MBC	6317	6953	1038	1276	4	4	*
146	Huang et a	Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	FE	MBC	469	541	31	119	6	6	
147	Huang et a	Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	FE	MBC	612	532	59	112	6	6	
148	Huang et a	Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	FE	MBC	469	560	31	101	6	6	
149	Huang et a	Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	FE	MBC	612	508	59	90	6	6	
160	Jia et al,20	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	FE	MBC	1053	670	80	40	3	3	
161	Jia et al,20	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	FE	MBC	562	493	27	26	3	3	
162	Jia et al,20	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	FE	MBC	1103	743	52	28	3	3	
163	Jia et al,20	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	FE	MBC	420	252	27	26	3	3	
166	Jiang et al,	Guangzhou	23.1	113.29	Grassland	1735	21.9	100	51	1.5	FE	MBC	157	132	10	10	3	3	
167	Jiang et al,	Guangzhou	23.1	113.29	Grassland	1735	21.9	200	51	1.5	FE	MBC	157	125	10	9	3	3	
176	Johnson et	North Wale	52.94	-3.66	Grassland	1269	8.1	35	5.6	7	SIR	MBC	25.9	25.9	8	5.4	4	4	
180	Johnson et	North Wale	52.94	-3.66	Grassland	1269	8.1	70	5.6	7	SIR	MBC	25.9	26	8	5.2	4	4	
171	Johnson et	North Wale	52.94	-3.66	Grassland	1269	8.1	140	5.6	7	SIR	MBC	25.9	29.2	8	7.8	4	4	
174	Johnson et	North Wale	52.94	-3.66	Grassland	1269	8.1	140	5.6	7	SIR	MBC	25.9	21.9	8	4	4	4	
177	Johnson et	North Wale	52.94	-3.66	Grassland	1269	8.1	35	5.6	7	SIR	MBC	15.7	9	4.2	1.8	4	4	
181	Johnson et	North Wale	52.94	-3.66	Grassland	1269	8.1	70	5.6	7	SIR	MBC	15.7	9	4.2	2.4	4	4	
172	Johnson et	North Wale	52.94	-3.66	Grassland	1269	8.1	140	5.6	7	SIR	MBC	15.7	9.4	4.2	3.4	4	4	
175	Johnson et	North Wale	52.94	-3.66	Grassland	1269	8.1	140	5.6	7	SIR	MBC	15.7	8.2	4.2	1	4	4	
178	Johnson et	North Wale	52.94	-3.66	Shrubland	1269	8.1	40	5.6	7	SIR	MBC	13.4	16.4	3	3.2	4	4	
182	Johnson et	North Wale	52.94	-3.66	Shrubland	1269	8.1	80	5.6	7	SIR	MBC	13.4	18.7	3	3.6	4	4	

168	Johnson et North Wal	52.94	-3.66	Shrubland	1269	8.1	120	5.6	7	SIR	MBC	13.4	17.9	3	2.8	4	4
179	Johnson et North Wal	52.94	-3.66	Shrubland	1269	8.1	40	5.6	7	SIR	MBC	7.5	8.4	1.8	2	4	4
183	Johnson et North Wal	52.94	-3.66	Shrubland	1269	8.1	80	5.6	7	SIR	MBC	7.5	11.1	1.8	2	4	4
169	Johnson et North Wal	52.94	-3.66	Shrubland	1269	8.1	120	5.6	7	SIR	MBC	7.5	9.9	1.8	3	4	4
170	Johnson et North Wal	52.94	-3.66	Grassland	1269	8.1	140	5.6	7	SIR	MBC	6.6	4.9	1.4	1	4	4
173	Johnson et North Wal	52.94	-3.66	Grassland	1269	8.1	140	5.6	7	SIR	MBC	6.6	6.7	1.4	1.4	4	4
184	Johnson et Kelso, Scot	55.6	-2.43	Grassland	945	7.5	120	4.5	2	SIR	MBC	241	205	95.7	57.5	5	5
185	Johnson et Kelso, Scot	55.6	-2.43	Grassland	945	7.5	120	4.5	2	SIR	MBC	79	65	49.9	32.2	5	5
194	Keeler et a Minnesota	45.4	-93.2	Grassland	785	6.9	100	6.2	6	FE	MBC	41.6	33	9.1	8.3	6	6
195	Keeler et a Minnesota	45.4	-93.2	Grassland	785	6.9	100	6.2	6	FE	MBC	35.3	23.3	7.8	3.7	6	6
188	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBC	41.3	47.9	7.8	8.8	6	6
189	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBC	80.3	70.2	12.7	9.1	6	6
190	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBC	59	43.6	6.4	14	6	6
191	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBC	45.5	45.3	5.9	11	6	6
192	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBC	35.4	30.7	12.2	7.6	6	6
193	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBC	64.3	61.2	3.9	17.4	6	6
205	Lee and Jo: northern S.	30.83	-87.18	Temperate	1663	18.9	56	9.9	6	FE	MBC	185	146	24	52	12	12
201	Lee and Jo: northern S.	30.83	-87.18	Temperate	1663	18.9	112	9.9	6	FE	MBC	185	133	24	35	12	12
203	Lee and Jo: northern S.	30.83	-87.18	Temperate	1663	18.9	224	9.9	6	FE	MBC	185	113	24	90	12	12
206	Lee and Jo: northern S.	30.83	-87.18	Temperate	1663	18.9	56	9.9	6	FE	MBC	159	120	35	73	12	12
202	Lee and Jo: northern S.	30.83	-87.18	Temperate	1663	18.9	112	9.9	6	FE	MBC	159	119	35	69	12	12
204	Lee and Jo: northern S.	30.83	-87.18	Temperate	1663	18.9	224	9.9	6	FE	MBC	159	88	35	87	12	12
208	Li et al,201 Daqinggou	42.97	122.35	Grassland	450	6.4	200	4.9	5	FE	MBC	72.4	69.4	19.6	34.3	6	6
210	Li et al,201 Jiangxi, Chi	28.25	116.92	Cropland	1747	18.3	120	23	1	FE	MBC	605	516	51	25	3	3
211	Li et al,201 Jiangxi, Chi	28.25	116.92	Cropland	1747	18.3	120	23	1	FE	MBC	605	393	51	48	3	3
213	Li et al,201 Qingshan T	30.23	119.7	Temperate	1420	15.6	30	33	2.5	FE	MBC	881	1191	12	23	3	3
214	Li et al,201 Qingshan T	30.23	119.7	Temperate	1420	15.6	60	33	2.5	FE	MBC	881	1578	12	29	3	3
215	Li et al,201 Qingshan T	30.23	119.7	Temperate	1420	15.6	90	33	2.5	FE	MBC	881	1372	12	38	3	3
216	Liu et al,20 Inner Mon	42.45	116.67	Grassland	385	2.1	150	16	2.4	FE	MBC	126	81	35	9	3	3
217	Liu et al,20 Inner Mon	42.45	116.67	Grassland	385	2.1	150	16	2.4	FE	MBC	197	133	17	38	3	3
219	Liu et al,20 Jiangxi pro	28.09	116.09	Cropland	1785	17.8	207	26.7	5	FE	MBC	610	637	36	54	3	3
220	Liu et al,20 Jiangxi pro	28.09	116.09	Cropland	1785	17.8	414	26.7	5	FE	MBC	610	705	36	88	3	3
221	Liu et al,20 Jiangxi pro	28.09	116.09	Cropland	1785	17.8	621	26.7	5	FE	MBC	610	803	36	23	3	3
222	Liu et al,20 Jiangxi pro	28.09	116.09	Cropland	1785	17.8	828	26.7	5	FE	MBC	610	742	36	31	3	3
224	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	10	16	3	FE	MBC	483	496	44	70	5	5
226	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	20	16	3	FE	MBC	483	566	44	72	5	5
228	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	40	16	3	FE	MBC	483	541	44	49	5	5
230	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	80	16	3	FE	MBC	483	464	44	39	5	5
225	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	160	16	3	FE	MBC	483	420	44	55	5	5
227	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	320	16	3	FE	MBC	483	297	44	7	5	5
229	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	640	16	3	FE	MBC	483	267	44	10	5	5
233	Liu et al,20 Hebei, Chir	37.88	114.68	Cropland	460	12.4	315	7.8	5	FE	MBC	39	34	8.8	4.5	3	3
235	Luo et al,2 Inner Mon	44.81	116.27	Grassland	330	0.7	20	0.7	2	FE	MBC	268.42	237.63	22.33	11.88	3	3
237	Luo et al,2 Inner Mon	44.81	116.27	Grassland	330	0.7	50	0.7	2	FE	MBC	268.42	236.84	22.33	22.33	3	3
234	Luo et al,2 Inner Mon	44.81	116.27	Grassland	330	0.7	100	0.7	2	FE	MBC	268.42	250.26	22.33	12.51	3	3
236	Luo et al,2 Inner Mon	44.81	116.27	Grassland	330	0.7	250	0.7	2	FE	MBC	268.42	217.11	22.33	27.91	3	3
238	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1126	1175	61	8	3	3
239	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1126	1251	61	7	3	3
240	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1126	1345	61	16	3	3
241	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1126	1039	61	10	3	3
242	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1126	1035	61	38	3	3
243	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1274	1403	23	9	3	3
244	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1274	1456	23	23	3	3
245	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1274	1361	23	19	3	3
246	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1274	1221	23	10	3	3
247	Lv et al,20 Zijin Moun	32.08	118.8	Temperate	1106.5	15.4	25	15.4	1	SIR	MBC	1274	1251	23	23	3	3
250	Ma et al,2 Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	MBC	576	544	94	47	3	3
253	Ma et al,2 Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	MBC	576	578	94	145	3	3
251	Ma et al,2 Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	MBC	375	402	47	35	3	3
254	Ma et al,2 Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	MBC	375	392	47	68	3	3
249	Ma et al,2 Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	MBC	275	321	97	17	3	3
252	Ma et al,2 Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	MBC	275	319	97	109	3	3

260	Mal? et al,	Zù½vi?ù¦n	49.98	12.75	Grassland	700	6.4	80	21	36	FE	MBC	405	382	76	88	12	12	
259	Mal? et al,	Zù½vi?ù¦n	49.98	12.75	Grassland	700	6.4	160	21	36	FE	MBC	405	337	76	78	12	12	
264	Min et al,2	Xinjiang, Cl	44.3	86.03	Cropland	210	7.4	360	0.5	4	FE	MBC	165.6	222.8	41.2	52.1	3	3	*
267	Mo et al,2(	Guangdon	23.17	112.17	Tropical Fo	1927	21	50	33	2	FE	MBC	698	649	35	57	3	3	
265	Mo et al,2(	Guangdon	23.17	112.17	Tropical Fo	1927	21	100	33	2	FE	MBC	698	565	35	47	3	3	
266	Mo et al,2(	Guangdon	23.17	112.17	Tropical Fo	1927	21	150	33	2	FE	MBC	698	514	35	102	3	3	
270	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	150	2	11	SIR	MBC	23.7	22.7	5.1	4.9	3	3	*
278	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	600	2	11	SIR	MBC	23.7	18.9	5.1	4.2	3	3	*
274	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	150	2	11	SIR	MBC	23.7	20.3	5.1	4.5	3	3	*
282	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	600	2	11	SIR	MBC	23.7	18	5.1	3.8	3	3	*
271	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	150	2	11	SIR	MBC	16.1	13.5	3.3	2.8	3	3	*
279	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	600	2	11	SIR	MBC	16.1	12.1	3.3	2.7	3	3	*
275	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	150	2	11	SIR	MBC	16.1	14.6	3.3	3	3	3	*
283	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	600	2	11	SIR	MBC	16.1	11.1	3.3	2.5	3	3	*
272	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	150	2	11	SIR	MBC	12.5	8	2.7	2.1	3	3	*
280	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	600	2	11	SIR	MBC	12.5	7.5	2.7	1.9	3	3	*
276	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	150	2	11	SIR	MBC	12.5	9.8	2.7	2.4	3	3	*
284	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	600	2	11	SIR	MBC	12.5	10.2	2.7	2.4	3	3	*
273	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	150	2	11	SIR	MBC	12.7	10.4	2.8	2.5	3	3	*
281	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	600	2	11	SIR	MBC	12.7	9.8	2.8	2.4	3	3	*
277	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	150	2	11	SIR	MBC	12.7	12.1	2.8	2.7	3	3	*
285	Nohrstedt, Kroksbo		60.05	16.87	Boreal For	605	5.5	600	2	11	SIR	MBC	12.7	10	2.8	2.4	3	3	*
286	Nohrstedt, Nissafors		57.4	13.63	Boreal For	859	5.9	150	7.2	8	SIR	MBC	18.4	16.8	4.1	3.7	6	6	*
287	Nohrstedt, Nissafors		57.4	13.63	Boreal For	859	5.9	150	7.2	8	SIR	MBC	8.2	7.4	2.1	1.8	6	6	*
288	Nohrstedt, Nissafors		57.4	13.63	Boreal For	859	5.9	150	7.2	8	SIR	MBC	4.7	4	1.2	1.1	6	6	*
289	Peng et al,	Sanjiaoche	37.3	100.25	Grassland	387	0.08	10	1.9	2	FE	MBC	934	945	94	137	5	5	
291	Peng et al,	Sanjiaoche	37.3	100.25	Grassland	387	0.08	20	1.9	2	FE	MBC	934	1088	94	137	5	5	
294	Peng et al,	Sanjiaoche	37.3	100.25	Grassland	387	0.08	40	1.9	2	FE	MBC	934	1208	94	121	5	5	
295	Peng et al,	Sanjiaoche	37.3	100.25	Grassland	387	0.08	80	1.9	2	FE	MBC	934	1052	94	94	5	5	
290	Peng et al,	Sanjiaoche	37.3	100.25	Grassland	387	0.08	160	1.9	2	FE	MBC	934	1028	94	125	5	5	
292	Peng et al,	Sanjiaoche	37.3	100.25	Grassland	387	0.08	240	1.9	2	FE	MBC	934	868	94	63	5	5	
293	Peng et al,	Sanjiaoche	37.3	100.25	Grassland	387	0.08	320	1.9	2	FE	MBC	934	1062	94	177	5	5	
298	Picek et al,	Czech Repu	49.1	14.76	Grassland	630	8	65	21	1	FE	MBC	2096	2194	402	486	4	4	
296	Picek et al,	Czech Repu	49.1	14.76	Grassland	630	8	300	21	1	FE	MBC	2096	1993	402	354	4	4	
299	Picek et al,	Czech Repu	49.1	14.76	Grassland	630	8	65	21	1	FE	MBC	1795	1520	277	265	4	4	
297	Picek et al,	Czech Repu	49.1	14.76	Grassland	630	8	300	21	1	FE	MBC	1795	1692	277	232	4	4	
300	Potthast et	San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	MBC	3060	3176	706	321	6	6	
301	Potthast et	San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	MBC	1636	1491	463	328	6	6	
302	Potthast et	San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	MBC	942	770	326	196	6	6	
305	Priess and	Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	SIR	MBC	0.94	1.3	0.1	0.28	5	5	
304	Priess and	Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	SIR	MBC	1.17	1.25	0.31	0.33	5	5	
303	Priess and	Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	SIR	MBC	1.18	1.45	0.38	0.23	5	5	
308	Rifai et al,2	Tifton, Gec	31.48	-83.53	Temperate	1216	18.2	168	9.9	20	FE	MBC	148	55	54	16	2	2	
309	Rifai et al,2	Waycross,	31.15	-83.87	Temperate	1267	18.7	336	9.9	20	FE	MBC	126	78	24	27	2	2	
306	Rifai et al,2	Athens, US	33.87	-83.35	Temperate	1263	16.6	336	7.7	20	FE	MBC	382	169	34	17	1	1	
307	Rifai et al,2	Dawsonvill	34.37	-84.05	Temperate	1429	15.1	56	7.7	20	FE	MBC	332	317	27	33	2	2	
310	Riggs et al,	East Bethe	45.4	-93.2	Grassland	750	6.3	100	7	5	FE	MBC	255.21	271.45	38.6	50.9	5	5	
314	Riggs et al,	Ogallala, N	41.2	-101.63	Grassland	454	9.3	100	3.1	5	FE	MBC	305.87	252.57	44.4	46.7	3	3	
312	Riggs et al,	Maxwell, I	41.79	-93.39	Grassland	855	9	100	18	3	FE	MBC	148.8	180.45	15.5	38.7	6	6	
311	Riggs et al,	Manhattar	39.07	-95.58	Grassland	872	12	100	9.8	5	FE	MBC	581.31	490.44	59.2	32.6	3	3	
313	Riggs et al,	Nunn, Colo	40.82	-104.77	Grassland	364	8.4	100	3.1	5	FE	MBC	152.44	139.76	28.4	18.4	3	3	
324	Schmidt et	Niwot Ridg	40.05	-105.6	Tundra	585	1.4	100	6	5	SIR	MBC	658	477	154	62	3	3	
325	Schmidt et	Rocky Mou	40.05	-105.6	Tundra	600	1.4	100	6	6	SIR	MBC	542	421	173	19	3	3	
332	Smolander	Finland	61.2	26.03	Boreal For	607	4	180	5.7	30	FE	MBC	11.8	9.2	4.2	3	4	4	
334	Smolander	Sahalahti,	61.43	24.4	Boreal For	632	3.7	36	5.7	35	FE	MBC	125.1	100.4	6.7	9.2	3	3	
333	Smolander	Heinola, so	61.22	26	Boreal For	607	4	16	5.7	35	FE	MBC	74.9	70.9	26.4	12.5	3	3	
339	Song et al,	Sanjiang Pl	47.58	133.52	Wetland	556	2.5	60	3.1	4	FE	MBC	2127	2491	28	57	3	3	
337	Song et al,	Sanjiang Pl	47.58	133.52	Wetland	556	2.5	120	3.1	4	FE	MBC	2127	2116	28	143	3	3	
338	Song et al,	Sanjiang Pl	47.58	133.52	Wetland	556	2.5	240	3.1	4	FE	MBC	2127	1311	28	142	3	3	
344	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	FE	MBC	2209	2087	161	241	3	3	
340	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	FE	MBC	2209	1094	161	362	3	3	
342	Song et al,	DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	FE	MBC	2209	852	161	160	3	3	

345	Song et al,: DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	FE	MBC	1325	1042	295	87	3	3	
341	Song et al,: DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	FE	MBC	1325	1348	295	228	3	3	
343	Song et al,: DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	FE	MBC	1325	369	295	47	3	3	
346	Spohn et a Gumpenst	49.49	14.1	Grassland	1000	7	120	21	54	FE	MBC	1052	1064.1	49.6	285.3	3	3	
348	Sun et al,2 Saihanba, I	42.42	117.25	Temperate	450	-1.4	20	7	1	FE	MBC	251	298	69	70	3	3	
349	Sun et al,2 Saihanba, I	42.42	117.25	Temperate	450	-1.4	50	7	1	FE	MBC	251	261	69	63	3	3	
354	Sun et al,2 Ling Kong I	36.65	112.12	Temperate	580	8	50	3	5	FE	MBC	1934	1863	308	229	5	5	
353	Sun et al,2 Ling Kong I	36.65	112.12	Temperate	580	8	100	3	5	FE	MBC	1934	1903	308	387	5	5	
361	Tian et al,2 Tibetan Pla	37.62	101.12	Grassland	500	-2	60	15	7	FE	MBC	1464	1031	61	37	18	18	
366	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	30	10	1	FE	MBC	278	264	29	31	3	3	
369	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	80	10	1	FE	MBC	278	193	29	9	3	3	
367	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	30	10	1	FE	MBC	209	220	11	11	3	3	
370	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	80	10	1	FE	MBC	209	231	11	11	3	3	
368	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	30	10	1	FE	MBC	178	231	6.7	20	3	3	
371	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	80	10	1	FE	MBC	178	228	6.7	16	3	3	
372	Wallenstei Bear Brook	44.87	-68.1	Temperate	1183	5.9	25.2	8.4	13	SIR	MBC	223	192	24	35	5	5	
373	Wallenstei Bear Brook	44.87	-68.1	Temperate	1183	5.9	25.2	8.4	13	SIR	MBC	134	184	42	33	5	5	
378	Wallenstei Mt. Ascutn	43.43	-72.45	Temperate	1153	6	15.7	5.4	14	SIR	MBC	274	150	96	18	5	5	
379	Wallenstei Mt. Ascutn	43.43	-72.45	Temperate	1153	6	31.4	5.4	14	SIR	MBC	274	151	96	17	5	5	
376	Wallenstei Harvard Fo	42.5	-72.17	Temperate	1097	7.4	50	19	14	SIR	MBC	279	239	29	44	5	5	
374	Wallenstei Harvard Fo	42.5	-72.17	Temperate	1097	7.4	150	19	14	SIR	MBC	279	110	29	14	5	5	
377	Wallenstei Harvard Fo	42.5	-72.17	Temperate	1097	7.4	50	19	14	SIR	MBC	83	105	12	14	5	5	
375	Wallenstei Harvard Fo	42.5	-72.17	Temperate	1097	7.4	150	19	14	SIR	MBC	83	60	12	13	5	5	
380	Wang et al Guangdon	21.45	110.9	Tropical Fo	1550	23	100	15.4	3	FE	MBC	416	327	83	87	5	5	
381	Wang et al Huitong, Cl	26.52	109.78	Temperate	1300	15.8	100	27.9	1	FE	MBC	510	424	46	62	4	4	*
382	Wang et al Huitong, Cl	26.52	109.78	Temperate	1300	15.8	200	27.9	1	FE	MBC	510	360	46	34	4	4	*
387	Wang et al Dinghusha	23.13	112.58	Tropical Fo	1927	20.9	50	19.4	3	FE	MBC	438	484	10	90	3	3	
383	Wang et al Dinghusha	23.13	112.58	Tropical Fo	1927	20.9	100	19.4	3	FE	MBC	438	417	10	47	3	3	
388	Wang et al Dinghusha	23.13	112.58	Tropical Fo	1927	20.9	50	19.4	3	FE	MBC	541	618	87	89	3	3	
384	Wang et al Dinghusha	23.13	112.58	Tropical Fo	1927	20.9	100	19.4	3	FE	MBC	541	487	87	58	3	3	
389	Wang et al Dinghusha	23.13	112.58	Tropical Fo	1927	20.9	50	19.4	3	FE	MBC	782	757	71	40	3	3	
385	Wang et al Dinghusha	23.13	112.58	Tropical Fo	1927	20.9	100	19.4	3	FE	MBC	782	736	71	29	3	3	
386	Wang et al Dinghusha	23.13	112.58	Tropical Fo	1927	20.9	150	19.4	3	FE	MBC	782	634	71	14	3	3	
390	Wang et al Youyu cou	42.03	116.28	Grassland	350	2	100	16	1	FE	MBC	156	161	24	39	6	6	
393	Wang et al Inner Mon	42.04	116.3	Grassland	379.4	2.1	50	16	7	FE	MBC	214	169	50	23	4	4	
391	Wang et al Inner Mon	42.04	116.3	Grassland	379.4	2.1	100	16	7	FE	MBC	214	141	50	16	4	4	
392	Wang et al Inner Mon	42.04	116.3	Grassland	379.4	2.1	150	16	7	FE	MBC	214	106	50	15	4	4	
394	Wang et al Inner Mon	42.45	116.67	Grassland	382.2	2.1	100	16	3	FE	MBC	399	330	83	86	6	6	
399	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	MBC	141	190	5	14	3	3	
395	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	MBC	141	180	5	45	3	3	
400	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	MBC	183	213	26	28	3	3	
396	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	MBC	183	164	26	45	3	3	
401	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	MBC	391	336	12	5	3	3	
397	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	MBC	391	382	12	43	3	3	
398	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	19.4	8	FE	MBC	391	291	12	73	3	3	
406	Wang et al Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	50	16	0.5	FE	MBC	239	301	29	26	3	3	
404	Wang et al Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	100	16	0.5	FE	MBC	239	348	29	43	3	3	
405	Wang et al Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	150	16	0.5	FE	MBC	239	402	29	69	3	3	
413	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	FE	MBC	420	375	92	61	4	4	
407	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	FE	MBC	420	373	92	73	4	4	
410	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	FE	MBC	420	313	92	107	4	4	
414	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	FE	MBC	359	254	66	51	4	4	
408	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	FE	MBC	359	300	66	60	4	4	
411	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	FE	MBC	359	194	66	34	4	4	
415	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	FE	MBC	500	441	69	61	4	4	
409	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	FE	MBC	500	415	69	122	4	4	
412	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	FE	MBC	500	302	69	56	4	4	
420	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	56	16	3	FE	MBC	281.8	247.7	49	84.5	6	6	
417	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	112	16	3	FE	MBC	281.8	194	49	67	6	6	
418	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	224	16	3	FE	MBC	281.8	137.3	49	48	6	6	
419	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	392	16	3	FE	MBC	281.8	90.19	49	42.6	6	6	
421	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	560	16	3	FE	MBC	281.8	91.3	49	41.4	6	6	

428	Xi et al,201	Clermont-F	45.78	3.08	Grassland	575	12.4	50	19	0.5	FE	MBC	911	770	91	37	6	6	
429	Xi et al,201	Clermont-F	45.78	3.08	Grassland	575	12.4	50	19	0.5	FE	MBC	812	774	145	73	6	6	
430	Xi et al,201	Clermont-F	45.78	3.08	Grassland	575	12.4	50	19	0.5	FE	MBC	830	815	91	90	6	6	
431	Xing et al,2	Ottawa, Ca	45.67	75.83	Wetland	944	6	16	10	7	FE	MBC	11.8	10.2	0.6	1.6	2	2	
437	Yan et al,2	Inner Mon	42.45	116.68	Grassland	385	2.1	280	16	1	FE	MBC	138	134	11	12	5	5	
462	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	60	25.2	7	FE	MBC	708	778	100	93	6	6	
456	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	120	25.2	7	FE	MBC	708	719	100	29	6	6	
459	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	240	25.2	7	FE	MBC	708	690	100	100	6	6	
463	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	60	25.2	7	FE	MBC	524	583	78	78	6	6	
457	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	120	25.2	7	FE	MBC	524	539	78	108	6	6	
460	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	240	25.2	7	FE	MBC	524	518	78	74	6	6	
464	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	60	25.2	7	FE	MBC	335	352	42	74	6	6	
458	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	120	25.2	7	FE	MBC	335	370	42	115	6	6	
461	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	240	25.2	7	FE	MBC	335	386	42	76	6	6	
474	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	10	16	3	FE	MBC	273.92	285.71	119.94	46.12	4	4	
476	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	20	16	3	FE	MBC	273.92	172.02	119.94	37.32	4	4	
478	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	40	16	3	FE	MBC	273.92	287.49	119.94	100.46	4	4	
480	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	80	16	3	FE	MBC	273.92	271.67	119.94	168.92	4	4	
475	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	160	16	3	FE	MBC	273.92	384.96	119.94	64.04	4	4	
477	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	320	16	3	FE	MBC	273.92	248.69	119.94	34.4	4	4	
479	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	640	16	3	FE	MBC	273.92	165.89	119.94	94.36	4	4	
481	Zhang et al	Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	FE	MBC	253.4	258.9	69.3	56.1	6	6	
482	Zhang et al	Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	FE	MBC	344.6	265.5	73.3	76.7	6	6	
483	Zhang et al	Lanzhou U	35.95	104.15	Grassland	382	6.7	23	1	2	FE	MBC	193	302	11	51	3	3	
484	Zhang et al	Lanzhou U	35.95	104.15	Grassland	382	6.7	92	1	2	FE	MBC	193	314	11	78	3	3	
512	Zhu et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	56	16	1	FE	MBC	295	315	10	9	3	3	
511	Zhu et al,2	Inner Mon	43.63	116.7	Grassland	350	-0.4	224	16	1	FE	MBC	295	139	10	12	3	3	
515	Zhu et al,2	Guangdon	22.57	112.83	Tropical Fo	1543	22.5	50	43.1	2	FE	MBC	335	303	29	31	3	3	
513	Zhu et al,2	Guangdon	22.57	112.83	Tropical Fo	1543	22.5	100	43.1	2	FE	MBC	335	253	29	20	3	3	
516	Zhu et al,2	Guangdon	22.57	112.83	Tropical Fo	1543	22.5	50	43.1	2	FE	MBC	376	368	26	43	3	3	
514	Zhu et al,2	Guangdon	22.57	112.83	Tropical Fo	1543	22.5	100	43.1	2	FE	MBC	376	325	26	33	3	3	
518	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	10	7	1.3	FE	MBC	228	228	28	44	4	4	
520	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	20	7	1.3	FE	MBC	228	241	28	52	4	4	
522	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	40	7	1.3	FE	MBC	228	225	28	48	4	4	
517	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	10	7	1.3	FE	MBC	228	264	28	87	4	4	
519	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	20	7	1.3	FE	MBC	228	303	28	103	4	4	
521	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	40	7	1.3	FE	MBC	228	283	28	72	4	4	
523	Zong et al,	Damxung (	30.85	91.08	Grassland	477	1.3	40	7	3	FE	MBC	213.56	326.69	59.24	23.88	4	4	
1	Adeboye e	Zaria, Nige	11.18	7.63	Cropland	1061	24.9	60	3.7	2	FE	MBN	18.2	19.26	2.34	1.68	4	4	
2	Ajwa et al,	south of M	39.1	-96.61	Grassland	776	12.7	100	9.4	8	FE	MBN	294	289	49	47	4	4	*
3	Allison et a	Alaskan	63.92	-145.73	Boreal For	293	-3.8	200	1	3	FE	MBN	79	204	24	92	4	4	
7	Bach and H	Boone Cou	41.92	-93.75	Grassland	918	9	84	7	5	FE	MBN	43	66	10	9	4	4	
8	Bai et al,2	northeast (	43.51	124.81	Temperate	575	5.5	150	7.3	25	FE	MBN	36	24	2	7	3	3	
9	Barnard et	central Cal	37.4	-122.24	Grassland	682	13.9	70	2.6	5	FE	MBN	35.8	39.5	4	3.7	8	8	
10	Belay et al,	University	25.75	28.27	Cropland	700	23	205	0.7	60	FE	MBN	15	10.9	7.26	5.36	4	4	
11	Bell et al,2	London, O	43.03	-81.21	Cropland	818	7.5	20	12	2	FE	MBN	760	590	383	547	30	30	
18	Brenner et	interior Ala	64.75	-148.3	Boreal For	269	-3.7	100	0.5	5	FE	MBN	5.6	5.9	0.9	0.9	3	3	
19	Brenner et	interior Ala	64.75	-148.3	Boreal For	269	-3.7	100	0.5	5	FE	MBN	2.8	3.2	0.7	0.2	3	3	
34	Calvo-Fern	Cantabrian	43.2	-4.85	Shrubland	1058	8.3	10	3.7	0.3	FE	MBN	103	102	28	10	9	9	
36	Calvo-Fern	Cantabrian	43.2	-4.85	Shrubland	1058	8.3	20	3.7	0.3	FE	MBN	103	133	28	23	9	9	
38	Calvo-Fern	Cantabrian	43.2	-4.85	Shrubland	1058	8.3	50	3.7	0.3	FE	MBN	103	169	28	24	9	9	
33	Calvo-Fern	Cantabrian	43.2	-4.85	Shrubland	1058	8.3	10	3.7	0.3	FE	MBN	72	106	8	7	9	9	
35	Calvo-Fern	Cantabrian	43.2	-4.85	Shrubland	1058	8.3	20	3.7	0.3	FE	MBN	72	109	8	21	9	9	
37	Calvo-Fern	Cantabrian	43.2	-4.85	Shrubland	1058	8.3	50	3.7	0.3	FE	MBN	72	118	8	12	9	9	
39	Cerny et al	Czech Univ	50.14	14.37	Cropland	517	8.7	120	21	11	FE	MBN	8.8	5.6	1.2	1.4	2	2	
40	Chen et al,	Queenslan	-26.47	152.62	Temperate	1146	19.5	300	1.1	5	FE	MBN	155.7	97.5	55.2	40.8	4	4	
42	Chen et al,	Queenslan	-26.47	152.62	Temperate	1146	19.5	600	1.1	5	FE	MBN	155.7	118.1	55.2	42.8	4	4	
41	Chen et al,	Queenslan	-26.47	152.62	Temperate	1146	19.5	300	1.1	5	FE	MBN	74.6	50.8	20.6	16.6	4	4	
43	Chen et al,	Queenslan	-26.47	152.62	Temperate	1146	19.5	600	1.1	5	FE	MBN	74.6	77.8	20.6	17.8	4	4	
55	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	MBN	3	6.1	2.23	4.87	3	3	
59	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	MBN	3	11.51	2.23	9.73	3	3	
63	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	MBN	3	4.98	2.23	1.89	3	3	

67	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	MBN	3	63.82	2.23	55.41	3	3	
71	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	MBN	3	22.61	2.23	21.8	3	3	
56	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	MBN	5.02	2.65	1.8	0.71	3	3	
60	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	MBN	5.02	3.38	1.8	0.45	3	3	
64	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	MBN	5.02	4.21	1.8	0.76	3	3	
68	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	MBN	5.02	3.61	1.8	3.6	3	3	
72	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	MBN	5.02	2.76	1.8	1.68	3	3	
57	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	MBN	2.16	2.4	0.42	2.96	3	3	
61	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	MBN	2.16	8.81	0.42	4.19	3	3	
65	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	MBN	2.16	16.98	0.42	6.51	3	3	
69	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	MBN	2.16	13.74	0.42	6.95	3	3	
73	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	MBN	2.16	21.15	0.42	14.64	3	3	
58	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	MBN	3.84	7.73	0.55	4.56	3	3	
62	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	MBN	3.84	10.3	0.55	4.76	3	3	
66	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	MBN	3.84	34.27	0.55	23.42	3	3	
70	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	MBN	3.84	15.27	0.55	7.12	3	3	
74	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	MBN	3.84	21.5	0.55	4.21	3	3	
79	Churchlan Northwest	64.87	-111.58	Tundra	160	-9	200	0.2	2	FE	MBN	60.7	98	38	42.7	6	6	
80	Churchlan Northwest	64.87	-111.58	Tundra	160	-9	200	0.2	2	FE	MBN	42.7	66.8	19.6	24	6	6	
85	Corre et al, Solling, Ge	51.73	9.6	Temperate	1100	7.3	140	25	11	FE	MBN	16.35364	11.57063	4.7	3.5	5	5	
86	Corre et al, Solling, Ge	51.73	9.6	Temperate	1100	7.3	140	25	11	FE	MBN	32.52444	17.19504	8.2	5.2	5	5	
87	Corre et al, Chiriqui Pr	8.75	-82.25	Tropical Fo	5461	20.3	125	1	4	FE	MBN	6.1	6.6	0.8	1.6	4	4	
96	Demoling Flakaliden	64.12	19.45	Boreal For	600	1.2	75	3	16	FE	MBN	19.8	14.7	3.1	2.7	8	8	
95	Demoling Asa in sout	57.13	14.75	Boreal For	700	5.2	75	10	16	FE	MBN	25.2	14.1	6.5	4.9	8	8	
97	Demoling Skogaby in	56.55	13.22	Boreal For	1100	7.1	100	20	14	FE	MBN	9.8	6	1.4	1.2	8	8	
109	Fisk and Fa White Mou	44.1	-71.4	Boreal For	1332	3.7	167	7	9	FE	MBN	60	38	36.8	22.5	24	24	
121	Garcia and Manhattar	39.2	-96.6	Grassland	776	12.7	100	12.7	5	FE	MBN	31	24	6	5	4	4	*
125	Gnankamb Burkina Fa	11.5	-3.5	Grassland	1050	28	80	3.3	1	SIR	MBN	38	33	14	36	4	4	
126	Gnankamb Burkina Fa	11.5	-3.5	Grassland	1050	28	80	3.3	1	SIR	MBN	45	112	26	116	4	4	
127	Gnankamb Burkina Fa	11.5	-3.5	Grassland	1050	28	80	3.3	1	SIR	MBN	42	228	22	214	4	4	
128	Gnankamb Burkina Fa	11.5	-3.5	Grassland	1050	28	80	3.3	1	SIR	MBN	46	89	22	4	4	4	
130	Hatch et al Devon, Eng	50.7	-3.8	Grassland	1208	9.6	200	5.6	0.5	FE	MBN	340.9524	384.8889	109	142	8	8	
131	Hatch et al Devon, Eng	50.7	-3.8	Grassland	1208	9.6	200	5.6	0.5	FE	MBN	305.9574	289.8039	98	87	8	8	
142	Hossain et Canberra	-35.38	148.8	Temperate	1150	11.5	300	2.7	3	SIR	MBN	98	87	11	9	4	4	*
143	Hu et al,20 Maoershar	45.38	127.53	Temperate	723	2.8	100	15	6	FE	MBN	144	66	10.4	10.3	3	3	
144	Hu et al,20 Maoershar	45.38	127.53	Temperate	723	2.8	100	15	6	FE	MBN	68	43.4	18	10	3	3	
145	Hu et al,20 southern e	56.1	-110.9	Boreal For	456	-1	30	0.81	4	FE	MBN	914	1030	64	198	4	4	*
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	FE	MBN	43	57	15	14	6	6	
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	FE	MBN	51	58	21	12	6	6	
148	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	FE	MBN	43	41	15	12	6	6	
149	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	FE	MBN	51	52	21	17	6	6	
160	Jia et al,20 Maoershar	45.38	127.53	Temperate	723	2.8	100	15	22	FE	MBN	211	111	7	26	3	3	
161	Jia et al,20 Maoershar	45.38	127.53	Temperate	723	2.8	100	15	22	FE	MBN	114	72	21	17	3	3	
162	Jia et al,20 Maoershar	45.38	127.53	Temperate	723	2.8	100	15	22	FE	MBN	241	76	48	12	3	3	
163	Jia et al,20 Maoershar	45.38	127.53	Temperate	723	2.8	100	15	22	FE	MBN	90	59	33	23	3	3	
194	Keeler et a Minnesota	45.4	-93.2	Grassland	785	6.9	100	6.2	6	FE	MBN	7.2	5.1	0.8	0.6	6	6	
195	Keeler et a Minnesota	45.4	-93.2	Grassland	785	6.9	100	6.2	6	FE	MBN	6.5	3.5	0.7	0.4	6	6	
188	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBN	8.2	9.2	0.9	0.9	6	6	
189	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBN	13	10.2	1.4	1.1	6	6	
190	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBN	10.2	6.1	1.1	0.6	6	6	
191	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBN	8.8	7.8	0.9	0.8	6	6	
192	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBN	7.4	6.4	0.7	0.7	6	6	
193	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	MBN	11.9	13.3	1.2	1.3	6	6	
208	Li et al,201 Daqinggou	42.97	122.35	Grassland	450	6.4	200	4.9	5	FE	MBN	19.5	10.6	5.6	2.7	6	6	
210	Li et al,201 Jiangxi, Chi	28.25	116.92	Cropland	1747	18.3	120	23	1	FE	MBN	45	38	7	17	3	3	
211	Li et al,201 Jiangxi, Chi	28.25	116.92	Cropland	1747	18.3	120	23	1	FE	MBN	45	24	7	6	3	3	
216	Liu et al,20 Inner Mon	42.45	116.67	Grassland	385	2.1	150	16	2.4	FE	MBN	15	12	2	2	3	3	
217	Liu et al,20 Inner Mon	42.45	116.67	Grassland	385	2.1	150	16	2.4	FE	MBN	29	23	3	5	3	3	
219	Liu et al,20 Jiangxi pro	28.09	116.09	Cropland	1785	17.8	207	26.7	5	FE	MBN	23.6	24.1	1.9	2.4	3	3	
220	Liu et al,20 Jiangxi pro	28.09	116.09	Cropland	1785	17.8	414	26.7	5	FE	MBN	23.6	26.7	1.9	3.8	3	3	
221	Liu et al,20 Jiangxi pro	28.09	116.09	Cropland	1785	17.8	621	26.7	5	FE	MBN	23.6	27.1	1.9	1.4	3	3	
222	Liu et al,20 Jiangxi pro	28.09	116.09	Cropland	1785	17.8	828	26.7	5	FE	MBN	23.6	24.8	1.9	0.9	3	3	

224	Liu et al,20	Inner Mon	42.03	116.28	Grassland	383.5	2.1	10	16	3	FE	MBN	101	113	12	9	5	5	
226	Liu et al,20	Inner Mon	42.03	116.28	Grassland	383.5	2.1	20	16	3	FE	MBN	101	136	12	15	5	5	
228	Liu et al,20	Inner Mon	42.03	116.28	Grassland	383.5	2.1	40	16	3	FE	MBN	101	119	12	9	5	5	
230	Liu et al,20	Inner Mon	42.03	116.28	Grassland	383.5	2.1	80	16	3	FE	MBN	101	79	12	18	5	5	
225	Liu et al,20	Inner Mon	42.03	116.28	Grassland	383.5	2.1	160	16	3	FE	MBN	101	63	12	11	5	5	
227	Liu et al,20	Inner Mon	42.03	116.28	Grassland	383.5	2.1	320	16	3	FE	MBN	101	44	12	7	5	5	
229	Liu et al,20	Inner Mon	42.03	116.28	Grassland	383.5	2.1	640	16	3	FE	MBN	101	36	12	5	5	5	
233	Liu et al,20	Hebei, Chir	37.88	114.68	Cropland	460	12.4	315	7.8	5	FE	MBN	24.7	18	6.9	5.7	3	3	
248	Ma et al,2(	Songnen, J	44.75	123.75	Grassland	410	4.9	100	27	3	FE	MBN	60	70	5	5	6	6	
250	Ma et al,2(	Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	MBN	83	78	12	8	3	3	
253	Ma et al,2(	Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	MBN	83	86	12	9	3	3	
251	Ma et al,2(	Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	MBN	49	54	7	6	3	3	
254	Ma et al,2(	Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	MBN	49	50	7	5	3	3	
249	Ma et al,2(	Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	MBN	39	43	5	4	3	3	
252	Ma et al,2(	Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	MBN	39	48	5	6	3	3	
260	Mal? et al,	Zù½vi?ù¦n	49.98	12.75	Grassland	700	6.4	80	21	36	FE	MBN	95	91	13	16	12	12	
259	Mal? et al,	Zù½vi?ù¦n	49.98	12.75	Grassland	700	6.4	160	21	36	FE	MBN	95	77	13	16	12	12	
261	Matsushir	Alberta, Ca	54.12	-115.83	Boreal For	578	2.6	200	0.5	1	FE	MBN	12	11	2	3	6	6	
262	Matsushir	Alberta, Ca	54.12	-115.83	Boreal For	578	2.6	200	0.5	1	FE	MBN	341	273	149	91	6	6	
264	Min et al,2	Xinjiang, Cl	44.3	86.03	Cropland	210	7.4	360	0.5	4	FE	MBN	26.99	63.11	6.92	14.53	3	3	*
268	Moscatelli	central Ital	42.37	11.8	Temperate	818	14.1	212	18.6	6	FE	MBN	11.6	21	5.9	8.1	18	18	
298	Picek et al,	Czech Repu	49.1	14.76	Grassland	630	8	65	21	1	FE	MBN	171	190	64.3	91.6	4	4	
296	Picek et al,	Czech Repu	49.1	14.76	Grassland	630	8	300	21	1	FE	MBN	171	193	64.3	70.5	4	4	
299	Picek et al,	Czech Repu	49.1	14.76	Grassland	630	8	65	21	1	FE	MBN	174	157	56.6	48.5	4	4	
297	Picek et al,	Czech Repu	49.1	14.76	Grassland	630	8	300	21	1	FE	MBN	174	177	56.6	73.9	4	4	
300	Potthast et	San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	MBN	553	609	132	86	6	6	
301	Potthast et	San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	MBN	255	249	66	64	6	6	
302	Potthast et	San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	MBN	156	128	59	39	6	6	
308	Rifai et al,2	Tifton, Geo	31.48	-83.53	Temperate	1216	18.2	168	9.9	20	FE	MBN	18	17	14	10	2	2	
309	Rifai et al,2	Waycross,	31.15	-83.87	Temperate	1267	18.7	336	9.9	20	FE	MBN	19	12	6	5	2	2	
306	Rifai et al,2	Athens, US	33.87	-83.35	Temperate	1263	16.6	336	7.7	20	FE	MBN	64	29	3	2	1	1	
307	Rifai et al,2	Dawsonvill	34.37	-84.05	Temperate	1429	15.1	56	7.7	20	FE	MBN	52	54	7	9	2	2	
310	Riggs et al,	East Bethe	45.4	-93.2	Grassland	750	6.3	100	7	5	FE	MBN	43.87	54.27	6.7	11	5	5	
314	Riggs et al,	Ogallala, N	41.2	-101.63	Grassland	454	9.3	100	3.1	5	FE	MBN	43.49	42.24	6.3	8.5	3	3	
312	Riggs et al,	Maxwell, I	41.79	-93.39	Grassland	855	9	100	18	3	FE	MBN	25.56	50.4	2.3	34.5	6	6	
311	Riggs et al,	Manhattar	39.07	-95.58	Grassland	872	12	100	9.8	5	FE	MBN	102.6	91.91	8.3	8.2	3	3	
313	Riggs et al,	Nunn, Colo	40.82	-104.77	Grassland	364	8.4	100	3.1	5	FE	MBN	26.39	22.37	2.9	3.9	3	3	
324	Schmidt et	Niwot Ridg	40.05	-105.6	Tundra	585	1.4	100	6	5	SIR	MBN	79	95	19	24	3	3	
332	Smolander	Finland	61.2	26.03	Boreal For	607	4	180	5.7	30	FE	MBN	0.99	0.75	0.31	0.14	4	4	
334	Smolander	Sahalahti,	61.43	24.4	Boreal For	632	3.7	36	5.7	35	FE	MBN	13.7	9.3	2	1.5	3	3	
333	Smolander	Heinola, so	61.22	26	Boreal For	607	4	16	5.7	35	FE	MBN	13.2	8.8	1.9	1.7	3	3	
335	Solis and C	Yucatan Pe	21.15	-89.28	Tropical Fo	760	25.8	220	2.4	13	FE	MBN	28.84	32.69	2.32	3.98	4	4	
336	Solis and C	Yucatan Pe	21.15	-89.28	Tropical Fo	760	25.8	220	2.4	13	FE	MBN	56.3	68	12.52	10.92	4	4	
346	Spohn et a	Gumpenst	49.49	14.1	Grassland	1000	7	120	21	54	FE	MBN	185	180.4	18.7	39.2	3	3	
354	Sun et al,2	Ling Kong I	36.65	112.12	Temperate	580	8	50	3	5	FE	MBN	319	333	36	18	5	5	
353	Sun et al,2	Ling Kong I	36.65	112.12	Temperate	580	8	100	3	5	FE	MBN	319	299	36	32	5	5	
361	Tian et al,2	Tibetan Pla	37.62	101.12	Grassland	500	-2	60	15	7	FE	MBN	684	497	16	13	18	18	
380	Wang et al	Guangdon	21.45	110.9	Tropical Fo	1550	23	100	15.4	3	FE	MBN	71	61	12	13	5	5	
381	Wang et al	Huitong, Cl	26.52	109.78	Temperate	1300	15.8	100	27.9	1	FE	MBN	54.1	64.6	11.8	11	4	4	*
382	Wang et al	Huitong, Cl	26.52	109.78	Temperate	1300	15.8	200	27.9	1	FE	MBN	54.1	72.1	11.8	10.2	4	4	*
390	Wang et al	Youyu cour	42.03	116.28	Grassland	350	2	100	16	1	FE	MBN	36	39	5	5	6	6	
393	Wang et al	Inner Mon	42.04	116.3	Grassland	379.4	2.1	50	16	7	FE	MBN	33	19	5	6	4	4	
391	Wang et al	Inner Mon	42.04	116.3	Grassland	379.4	2.1	100	16	7	FE	MBN	33	14	5	2	4	4	
392	Wang et al	Inner Mon	42.04	116.3	Grassland	379.4	2.1	150	16	7	FE	MBN	33	11	5	3	4	4	
394	Wang et al	Inner Mon	42.45	116.67	Grassland	382.2	2.1	100	16	3	FE	MBN	102	122	22	39	6	6	
399	Wang et al	Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	MBN	18.7	14.8	2.3	6.7	3	3	
395	Wang et al	Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	MBN	18.7	15.4	2.3	4.5	3	3	
400	Wang et al	Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	MBN	25.4	30.2	1.6	8.8	3	3	
396	Wang et al	Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	MBN	25.4	22.4	1.6	5	3	3	
401	Wang et al	Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	MBN	44.3	55.2	25.1	10	3	3	
397	Wang et al	Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	MBN	44.3	61	25.1	26.3	3	3	
398	Wang et al	Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	19.4	8	FE	MBN	44.3	53.9	25.1	2.3	3	3	

406	Wang et al	Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	50	16	0.5	FE	MBN	69	70	9	8	3	3	
404	Wang et al	Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	100	16	0.5	FE	MBN	69	87	9	7	3	3	
405	Wang et al	Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	150	16	0.5	FE	MBN	69	87	9	8	3	3	
462	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	60	25.2	7	FE	MBN	73	70	15	10	6	6	
456	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	120	25.2	7	FE	MBN	73	65	15	12	6	6	
459	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	240	25.2	7	FE	MBN	73	56	15	10	6	6	
463	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	60	25.2	7	FE	MBN	46	44	7	8	6	6	
457	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	120	25.2	7	FE	MBN	46	41	7	7	6	6	
460	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	240	25.2	7	FE	MBN	46	39	7	5	6	6	
464	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	60	25.2	7	FE	MBN	36	36	5	5	6	6	
458	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	120	25.2	7	FE	MBN	36	35	5	8	6	6	
461	Yuan,2012	Fujian prov	26.51	117.72	Temperate	1650	19.4	240	25.2	7	FE	MBN	36	35	5	7	6	6	
474	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	10	16	3	FE	MBN	88.02	91.5	5.9	5.42	4	4	
476	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	20	16	3	FE	MBN	88.02	93.69	5.9	10.8	4	4	
478	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	40	16	3	FE	MBN	88.02	86.05	5.9	8.18	4	4	
480	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	80	16	3	FE	MBN	88.02	83.6	5.9	3.74	4	4	
475	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	160	16	3	FE	MBN	88.02	81.31	5.9	6.36	4	4	
477	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	320	16	3	FE	MBN	88.02	73.23	5.9	7.12	4	4	
479	Zhang et al	Inner Mon	42.03	116.27	Grassland	385	2.1	640	16	3	FE	MBN	88.02	36.01	5.9	3.3	4	4	
481	Zhang et al	Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	FE	MBN	35.3	13.8	6.9	2	6	6	
482	Zhang et al	Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	FE	MBN	40.8	20.6	3.7	5.4	6	6	
507	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	5	2	2	FE	MBN	23	23.9	0.9	0.4	4	4	
501	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	10	2	2	FE	MBN	23	25.3	0.9	0.4	4	4	
505	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	30	2	2	FE	MBN	23	26.2	0.9	0.5	4	4	
509	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	60	2	2	FE	MBN	23	30.2	0.9	1.7	4	4	
503	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	240	2	2	FE	MBN	23	43.7	0.9	1.4	4	4	
508	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	5	2	2	FE	MBN	16.4	18.2	0.4	0.5	4	4	
502	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	10	2	2	FE	MBN	16.4	20.5	0.4	0.8	4	4	
506	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	30	2	2	FE	MBN	16.4	21.5	0.4	0.5	4	4	
510	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	60	2	2	FE	MBN	16.4	22.8	0.4	1.1	4	4	
504	Zhou et al,	Xinjiang, Cl	44.87	87.82	Desert	79.5	7.7	240	2	2	FE	MBN	16.4	26.6	0.4	1.1	4	4	
515	Zhu et al,2	Guangdon	22.57	112.83	Tropical Fo	1543	22.5	50	43.1	2	FE	MBN	65	76	12	31	3	3	
513	Zhu et al,2	Guangdon	22.57	112.83	Tropical Fo	1543	22.5	100	43.1	2	FE	MBN	65	61	12	11	3	3	
516	Zhu et al,2	Guangdon	22.57	112.83	Tropical Fo	1543	22.5	50	43.1	2	FE	MBN	78	70	7	10	3	3	
514	Zhu et al,2	Guangdon	22.57	112.83	Tropical Fo	1543	22.5	100	43.1	2	FE	MBN	78	69	7	9	3	3	
518	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	10	7	1.3	FE	MBN	19.6	18.6	5.1	2.6	4	4	
520	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	20	7	1.3	FE	MBN	19.6	21.3	5.1	2.6	4	4	
522	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	40	7	1.3	FE	MBN	19.6	19.8	5.1	9.1	4	4	
517	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	10	7	1.3	FE	MBN	19.6	19.6	5.1	3.7	4	4	
519	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	20	7	1.3	FE	MBN	19.6	23.4	5.1	1.3	4	4	
521	Zong et al,	Qinghai-Tib	30.85	91.08	Grassland	477	1.3	40	7	1.3	FE	MBN	19.6	29.8	5.1	8.9	4	4	
1	Adeboye e	Zaria, Nige	11.18	7.63	Cropland	1061	24.9	60	3.7	2	FE	CN	14.85055	13.92471	1.7	1.8	4	4	
2	Ajwa et al,	south of M	39.1	-96.61	Grassland	776	12.7	100	9.4	8	FE	CN	3.79	2.36	0.93	0.52	4	4	*
3	Allison et a	Alaskan	63.92	-145.73	Boreal For	293	-3.8	200	1	3	FE	CN	16	5.2	2.8	0.6	4	4	
7	Bach and	Boone Cou	41.92	-93.75	Grassland	918	9	84	7	5	FE	CN	11.7	8.4	1.6	1.8	4	4	
8	Bai et al,2	northeast	43.51	124.81	Temperate	575	5.5	150	7.3	25	FE	CN	4.5	4.5	0.3	0.5	3	3	
9	Barnard et	central Cal	37.4	-122.24	Grassland	682	13.9	70	2.6	5	FE	CN	10.84358	10.16709	1.2	1.5	8	8	
10	Belay et al,	University	25.75	28.27	Cropland	700	23	205	0.7	60	FE	CN	9.3	32.4	2.8	19.6	4	4	
13	Boot et al,	Rocky Mou	36.05	-112.13	Temperate	1050	12.2	25	3.5	6	FE	CN	11.26	13.73	3.2	5.5	3	3	
18	Brenner et	interior Ala	64.75	-148.3	Boreal For	269	-3.7	100	0.5	5	FE	CN	9.27	7.61	1.25	0.76	3	3	
19	Brenner et	interior Ala	64.75	-148.3	Boreal For	269	-3.7	100	0.5	5	FE	CN	9.57	8.09	0.78	1.04	3	3	
40	Chen et al,	Queenslan	-26.47	152.62	Temperate	1146	19.5	300	1.1	5	FE	CN	6.58	7.4	2.5	0.58	4	4	
42	Chen et al,	Queenslan	-26.47	152.62	Temperate	1146	19.5	600	1.1	5	FE	CN	6.58	6.28	2.5	1.78	4	4	
41	Chen et al,	Queenslan	-26.47	152.62	Temperate	1146	19.5	300	1.1	5	FE	CN	5.03	7.53	1.08	2.6	4	4	
43	Chen et al,	Queenslan	-26.47	152.62	Temperate	1146	19.5	600	1.1	5	FE	CN	5.03	6.68	1.08	1.7	4	4	
55	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	CN	4.6	4.542623	1.2	1.3	3	3	
59	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	CN	4.6	1.628149	1.2	0.9	3	3	
63	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	CN	4.6	4.048193	1.2	1.2	3	3	
67	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	CN	4.6	0.884049	1.2	0.6	3	3	
71	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	CN	4.6	1.2751	1.2	0.4	3	3	
56	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	CN	1.798805	2.826415	0.5	0.9	3	3	
60	Chen et al,	Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	CN	1.798805	2.411243	0.5	1.2	3	3	

64	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	CN	1.798805	0.885986	0.5	0.1	3	3	
68	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	CN	1.798805	2.041551	0.5	0.6	3	3	
72	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	CN	1.798805	4.507246	0.5	1.4	3	3	
57	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	CN	6.592593	15.925	1.5	4.2	3	3	
61	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	CN	6.592593	2.172531	1.5	1.7	3	3	
65	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	CN	6.592593	0.777385	1.5	0.4	3	3	
69	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	CN	6.592593	1.201601	1.5	0.7	3	3	
73	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	CN	6.592593	1.086998	1.5	0.5	3	3	
58	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	100	16	1	FE	CN	8.6875	4.244502	2.3	2.1	3	3	
62	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	200	16	1	FE	CN	8.6875	9.478641	2.3	1.8	3	3	
66	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	300	16	1	FE	CN	8.6875	0.80712	2.3	0.5	3	3	
70	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	400	16	1	FE	CN	8.6875	4.003929	2.3	2.3	3	3	
74	Chen et al, Inner Mon	42.03	116.28	Grassland	400	-1.4	500	16	1	FE	CN	8.6875	1.836744	2.3	0.7	3	3	
79	Churchlan Northwest	64.87	-111.58	Tundra	160	-9	200	0.2	2	FE	CN	14.83	6.14	5.61	1.37	6	6	
80	Churchlan Northwest	64.87	-111.58	Tundra	160	-9	200	0.2	2	FE	CN	16.02	7.94	5.32	1.91	6	6	
85	Corre et al, Solling, Ge	51.73	9.6	Temperate	1100	7.3	140	25	11	FE	CN	11	12.6	1.6	4.9	5	5	
86	Corre et al, Solling, Ge	51.73	9.6	Temperate	1100	7.3	140	25	11	FE	CN	9	12.1	2.2	1.3	5	5	
87	Corre et al, Chiriqui Pr	8.75	-82.25	Tropical Fo	5461	20.3	125	1	4	FE	CN	5.2	6.7	1.6	1.4	4	4	
96	Demoling (Flakaliden	64.12	19.45	Boreal For	600	1.2	75	3	16	FE	CN	9.26	8.06	0.85	0.98	8	8	
95	Demoling (Asa in sout	57.13	14.75	Boreal For	700	5.2	75	10	16	FE	CN	7.08	7.92	1.41	1.27	8	8	
97	Demoling (Skogaby in	56.55	13.22	Boreal For	1100	7.1	100	20	14	FE	CN	8.4	8.56	1.47	1.5	8	8	
109	Fisk and Fa White Mou	44.1	-71.4	Boreal For	1332	3.7	167	7	9	FE	CN	9.7	10.1	4.2	3.6	24	24	
121	Garcia and Manhattar	39.2	-96.6	Grassland	776	12.7	100	12.7	5	FE	CN	8.45	10.21	1.98	2.14	4	4	*
130	Hatch et al Devon, Eng	50.7	-3.8	Grassland	1208	9.6	200	5.6	0.5	FE	CN	4.2	4.5	0.48	1.24	8	8	
131	Hatch et al Devon, Eng	50.7	-3.8	Grassland	1208	9.6	200	5.6	0.5	FE	CN	4.7	5.1	0.93	0.57	8	8	
142	Hossain et Canberra	-35.38	148.8	Temperate	1150	11.5	300	2.7	3	SIR	CN	5.08	4.14	0.67	0.52	4	4	*
143	Hu et al,20 Maoershar	45.38	127.53	Temperate	723	2.8	100	15	6	FE	CN	6.8	11.3	0.7	1.2	3	3	
144	Hu et al,20 Maoershar	45.38	127.53	Temperate	723	2.8	100	15	6	FE	CN	6.9	8.6	0.7	1.6	3	3	
145	Hu et al,20 southern e	56.1	-110.9	Boreal For	456	-1	30	0.81	4	FE	CN	6.91	6.75	0.72	0.68	4	4	*
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	FE	CN	12.1	10.5	3.9	5.6	6	6	
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	FE	CN	12.4	9.1	4.2	2.5	6	6	
148	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	FE	CN	10.9	13.7	2	2.4	6	6	
149	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	FE	CN	12	9.8	2.3	1.7	6	6	
194	Keeler et a Minnesota	45.4	-93.2	Grassland	785	6.9	100	6.2	6	FE	CN	5.8	6.5	0.2	1	6	6	
195	Keeler et a Minnesota	45.4	-93.2	Grassland	785	6.9	100	6.2	6	FE	CN	5.4	6.6	0.5	0.7	6	6	
188	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	CN	5.1	5.2	0.5	0.7	6	6	
189	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	CN	6.2	6.9	0.2	0.5	6	6	
190	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	CN	5.8	7.1	0.5	1	6	6	
191	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	CN	5.2	5.8	0.2	0.5	6	6	
192	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	CN	4.8	4.8	1.2	0.5	6	6	
193	Keeler et a Minnesota	45.4	-93.2	Temperate	785	6.9	100	6.2	6	FE	CN	5.4	4.6	0.5	1	6	6	
216	Liu et al,20 Inner Mon	42.45	116.67	Grassland	385	2.1	150	16	2.4	FE	CN	8.4	6.8	1.7	1.4	3	3	
217	Liu et al,20 Inner Mon	42.45	116.67	Grassland	385	2.1	150	16	2.4	FE	CN	6.8	5.8	1.5	1.3	3	3	
224	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	10	16	3	FE	CN	4.78	4.39	0.48	0.44	5	5	
226	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	20	16	3	FE	CN	4.78	4.16	0.48	0.42	5	5	
228	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	40	16	3	FE	CN	4.78	4.55	0.48	0.46	5	5	
230	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	80	16	3	FE	CN	4.78	5.87	0.48	0.59	5	5	
225	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	160	16	3	FE	CN	4.78	6.67	0.48	0.66	5	5	
227	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	320	16	3	FE	CN	4.78	6.75	0.48	0.68	5	5	
229	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	640	16	3	FE	CN	4.78	7.42	0.48	0.74	5	5	
250	Ma et al,2(Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	CN	6.9	7	0.7	0.5	3	3	
253	Ma et al,2(Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	CN	6.9	6.7	0.7	0.3	3	3	
251	Ma et al,2(Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	CN	7.6	7.4	1.2	1	3	3	
254	Ma et al,2(Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	CN	7.6	7.9	1.2	0.3	3	3	
249	Ma et al,2(Saihanba, I	42.41	117.25	Temperate	450	-1.4	20	7	2	FE	CN	7	7.4	0.5	0.2	3	3	
252	Ma et al,2(Saihanba, I	42.41	117.25	Temperate	450	-1.4	50	7	2	FE	CN	7	6.6	0.5	0.3	3	3	
260	Mal? et al, Zù½vi?ù¦n	49.98	12.75	Grassland	700	6.4	80	21	36	FE	CN	4.27	4.24	0.57	0.88	12	12	
259	Mal? et al, Zù½vi?ù¦n	49.98	12.75	Grassland	700	6.4	160	21	36	FE	CN	4.27	4.43	0.57	0.88	12	12	
264	Min et al,2 Xinjiang, Cl	44.3	86.03	Cropland	210	7.4	360	0.5	4	FE	CN	6.15	3.54	1.24	0.93	3	3	*
268	Moscatelli central Ital	42.37	11.8	Temperate	818	14.1	212	18.6	6	FE	CN	14.8	8.8	8.9	3.4	18	18	
298	Picek et al, Czech Rep	49.1	14.76	Grassland	630	8	65	21	1	FE	CN	13.1	12.9	2.33	3.14	4	4	
296	Picek et al, Czech Rep	49.1	14.76	Grassland	630	8	300	21	1	FE	CN	13.1	11.1	2.33	2.69	4	4	

299	Picek et al, Czech Repu	49.1	14.76	Grassland	630	8	65	21	1	FE	CN	11.2	10.2	3.06	2.42	4	4	
297	Picek et al, Czech Repu	49.1	14.76	Grassland	630	8	300	21	1	FE	CN	11.2	10	3.06	3.56	4	4	
300	Potthast et San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	CN	5.53	5.22	0.56	1.12	6	6	
301	Potthast et San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	CN	6.42	5.99	1.23	1.09	6	6	
302	Potthast et San Fransis	-3.97	-79.07	Grassland	2176	15.3	50	0.4	2	FE	CN	6.04	6.02	1.02	1.21	6	6	
308	Rifai et al,2 Tifton, Gec	31.48	-83.53	Temperate	1216	18.2	168	9.9	20	FE	CN	8.2	3.2	2.4	0.9	2	2	
309	Rifai et al,2 Waycross,	31.15	-83.87	Temperate	1267	18.7	336	9.9	20	FE	CN	6.6	6.5	1.7	2.1	2	2	
306	Rifai et al,2 Athens, US	33.87	-83.35	Temperate	1263	16.6	336	7.7	20	FE	CN	6	5.8	1.6	1.8	1	1	
307	Rifai et al,2 Dawsonvill	34.37	-84.05	Temperate	1429	15.1	56	7.7	20	FE	CN	6.4	5.9	1.9	1.6	2	2	
310	Riggs et al, East Bethe	45.4	-93.2	Grassland	750	6.3	100	7	5	FE	CN	5.88	5.1	0.31	0.27	5	5	
314	Riggs et al, Ogallala, N	41.2	-101.63	Grassland	454	9.3	100	3.1	5	FE	CN	7.13	6.23	0.54	0.54	3	3	
312	Riggs et al, Maxwell, Ic	41.79	-93.39	Grassland	855	9	100	18	3	FE	CN	5.85	5.26	0.49	0.91	6	6	
311	Riggs et al, Manhattar	39.07	-95.58	Grassland	872	12	100	9.8	5	FE	CN	5.66	5.45	0.31	0.47	3	3	
313	Riggs et al, Nunn, Colo	40.82	-104.77	Grassland	364	8.4	100	3.1	5	FE	CN	5.63	6.97	0.48	1.37	3	3	
332	Smolander Finland	61.2	26.03	Boreal Fore	607	4	180	5.7	30	FE	CN	7.7	7.5	2.7	1.6	4	4	
334	Smolander Sahalahti, S	61.43	24.4	Boreal Fore	632	3.7	36	5.7	35	FE	CN	9.13	10.8	1.2	2.4	3	3	
333	Smolander Heinola, sc	61.22	26	Boreal Fore	607	4	16	5.7	35	FE	CN	5.67	8.06	0.9	1.9	3	3	
346	Spohn et a Gumpenst	49.49	14.1	Grassland	1000	7	120	21	54	FE	CN	5.7	5.9	0	0.1	3	3	
354	Sun et al,2 Ling Kong M	36.65	112.12	Temperate	580	8	50	3	5	FE	CN	6.06	5.59	1.1	0.9	5	5	
353	Sun et al,2 Ling Kong M	36.65	112.12	Temperate	580	8	100	3	5	FE	CN	6.06	6.36	1.1	0.8	5	5	
361	Tian et al,2 Tibetan Pla	37.62	101.12	Grassland	500	-2	60	15	7	FE	CN	2.15	2.09	0.08	0.06	18	18	
380	Wang et al Guangdon	21.45	110.9	Tropical Fo	1550	23	100	15.4	3	FE	CN	5.9	5.4	1.2	1.2	5	5	
381	Wang et al Huitong, Cl	26.52	109.78	Temperate	1300	15.8	100	27.9	1	FE	CN	9.43	6.56	1.24	1.09	4	4	*
382	Wang et al Huitong, Cl	26.52	109.78	Temperate	1300	15.8	200	27.9	1	FE	CN	9.43	4.99	1.24	0.87	4	4	*
390	Wang et al Youyu cou	42.03	116.28	Grassland	350	2	100	16	1	FE	CN	4.4	4.1	0.7	0.6	6	6	
394	Wang et al Inner Mon	42.45	116.67	Grassland	382.2	2.1	100	16	3	FE	CN	4	2.8	1.8	0.9	6	6	
399	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	CN	7.54	12.84	1.9	2.67	3	3	
395	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	CN	7.54	11.69	1.9	2.54	3	3	
400	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	CN	7.2	7.05	1.87	1.79	3	3	
396	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	CN	7.2	7.32	1.87	1.94	3	3	
401	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	50	19.4	8	FE	CN	8.83	6.09	2.03	1.45	3	3	
397	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	100	19.4	8	FE	CN	8.83	6.26	2.03	1.52	3	3	
398	Wang et al Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	19.4	8	FE	CN	8.83	5.4	2.03	1.34	3	3	
406	Wang et al Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	50	16	0.5	FE	CN	3.5	4.3	0.2	0.3	3	3	
404	Wang et al Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	100	16	0.5	FE	CN	3.5	4	0.2	0.3	3	3	
405	Wang et al Taiyuan, Sh	36.3	111.9	Temperate	548	9.9	150	16	0.5	FE	CN	3.5	4.7	0.2	0.9	3	3	
474	Zhang et al Inner Mon	42.03	116.27	Grassland	385	2.1	10	16	3	FE	CN	3.18	3.14	1.54	0.58	4	4	
476	Zhang et al Inner Mon	42.03	116.27	Grassland	385	2.1	20	16	3	FE	CN	3.18	1.89	1.54	0.48	4	4	
478	Zhang et al Inner Mon	42.03	116.27	Grassland	385	2.1	40	16	3	FE	CN	3.18	3.43	1.54	1.32	4	4	
480	Zhang et al Inner Mon	42.03	116.27	Grassland	385	2.1	80	16	3	FE	CN	3.18	3.21	1.54	1.9	4	4	
475	Zhang et al Inner Mon	42.03	116.27	Grassland	385	2.1	160	16	3	FE	CN	3.18	4.82	1.54	1.06	4	4	
477	Zhang et al Inner Mon	42.03	116.27	Grassland	385	2.1	320	16	3	FE	CN	3.18	3.42	1.54	0.5	4	4	
479	Zhang et al Inner Mon	42.03	116.27	Grassland	385	2.1	640	16	3	FE	CN	3.18	4.49	1.54	2.32	4	4	
481	Zhang et al Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	FE	CN	7.4	19.2	2.5	5.4	6	6	
482	Zhang et al Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	FE	CN	8.5	13.4	2	3.7	6	6	
515	Zhu et al,2 Guangdon	22.57	112.83	Tropical Fo	1543	22.5	50	43.1	2	FE	CN	6.1	5	0.5	0.6	3	3	
513	Zhu et al,2 Guangdon	22.57	112.83	Tropical Fo	1543	22.5	100	43.1	2	FE	CN	6.1	4.9	0.5	0.3	3	3	
516	Zhu et al,2 Guangdon	22.57	112.83	Tropical Fo	1543	22.5	50	43.1	2	FE	CN	5.7	6.2	0.6	0.3	3	3	
514	Zhu et al,2 Guangdon	22.57	112.83	Tropical Fo	1543	22.5	100	43.1	2	FE	CN	5.7	5.6	0.6	0.7	3	3	
518	Zong et al,: Qinghai-Tib	30.85	91.08	Grassland	477	1.3	10	7	1.3	FE	CN	11.6	12.3	2.4	3.7	4	4	
520	Zong et al,: Qinghai-Tib	30.85	91.08	Grassland	477	1.3	20	7	1.3	FE	CN	11.6	11.3	2.4	2.6	4	4	
522	Zong et al,: Qinghai-Tib	30.85	91.08	Grassland	477	1.3	40	7	1.3	FE	CN	11.6	11.4	2.4	2.5	4	4	
517	Zong et al,: Qinghai-Tib	30.85	91.08	Grassland	477	1.3	10	7	1.3	FE	CN	11.6	13.5	2.4	2.7	4	4	
519	Zong et al,: Qinghai-Tib	30.85	91.08	Grassland	477	1.3	20	7	1.3	FE	CN	11.6	12.9	2.4	3.1	4	4	
521	Zong et al,: Qinghai-Tib	30.85	91.08	Grassland	477	1.3	40	7	1.3	FE	CN	11.6	9.5	2.4	1.7	4	4	
32	Burton et a Michigan, I	46.87	-88.88	Boreal Fore	821	4.8	30	3.8	7	IRGA	SR	4.3	4.1	0.4	0.4	6	6	
32	Burton et a Michigan, I	45.55	-84.85	Temperate	828	6.1	30	5.8	7	IRGA	SR	4.8	4.3	0.5	0.5	6	6	
32	Burton et a Michigan, I	44.38	-85.83	Temperate	856	6.9	30	7.8	7	IRGA	SR	4.8	3.4	0.4	0.2	6	6	
32	Burton et a Michigan, I	43.67	-86.15	Temperate	793	7.6	30	7.6	7	IRGA	SR	5.7	4.8	0.4	0.3	6	6	
44	Chen et al, Guangzhou	23.33	113.5	Tropical Fo	1750	21.5	100	59	4	IRGA	SR	3.62	3.6	0.02	0.07	2	2	
51	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	17.5	16	12	IRGA	SR	4.5	4.3	0.13	0.18	5	5	
54	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	52.5	16	12	IRGA	SR	4.5	4.1	0.13	0.18	5	5	

50	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	105	16	12	IRGA	SR	4.5	3.8	0.13	0.16	5	5
52	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	175	16	12	IRGA	SR	4.5	3.6	0.13	0.27	5	5
53	Chen et al, Inner Mon	43.63	116.7	Grassland	334	0.9	280	16	12	IRGA	SR	4.5	3.5	0.13	0.22	5	5
96	Demoling (Flakaliden	64.12	19.45	Boreal For	600	1.2	75	3	16	GC	SR	11.8	6.73	1.81	1.73	8	8
95	Demoling (Asa in sout	57.13	14.75	Boreal For	700	5.2	75	10	16	GC	SR	12.7	8	2.09	1.87	8	8
97	Demoling (Skogaby in	56.55	13.22	Boreal For	1100	7.1	100	20	14	GC	SR	6.27	3.67	0.82	0.76	8	8
120	Gao et al,2 Tiantong, Z	29.87	121.65	Temperate	1374	16	50	16	1	LiCor	SR	2.52	3.23	0.5	0.57	3	3
119	Gao et al,2 Tiantong, Z	29.87	121.65	Temperate	1374	16	100	16	1	LiCor	SR	2.52	3.08	0.5	0.47	3	3
125	Gnankamb Burkina Fa	11.5	-3.5	Grassland	1050	28	80	3.3	1	Respicond	SR	1.8	2.4	0.8	0.2	4	4
126	Gnankamb Burkina Fa	11.5	-3.5	Grassland	1050	28	80	3.3	1	Respicond	SR	1.9	1.7	0.2	0.2	4	4
127	Gnankamb Burkina Fa	11.5	-3.5	Grassland	1050	28	80	3.3	1	Respicond	SR	2.5	2.6	0.2	0.2	4	4
128	Gnankamb Burkina Fa	11.5	-3.5	Grassland	1050	28	80	3.3	1	Respicond	SR	2.1	2.2	0.2	0.2	4	4
129	Graham et central Sou	-43.05	172.25	Grassland	2000	7.1	50	0.3	3	SRC-1	SR	0.77	0.93	0.03	0.04	4	4
135	He et al,20 Hunan, Chi	26.9	109.78	Temperate	1200	16.5	100	28	1	IRGA	SR	1.5	1.35	0.35	0.07	3	3
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	AAM	SR	0.48	0.53	0.27	0.07	6	6
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	AAM	SR	0.64	0.57	0.26	0.24	6	6
148	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	AAM	SR	0.48	0.57	0.27	0.15	6	6
149	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	AAM	SR	0.64	0.58	0.26	0.12	6	6
165	Jiang et al,. Damxung (	30.85	91.08	Grassland	470	1.3	50	1.4	2	LiCor	SR	0.99	0.98	0.12	0.2	4	4
164	Jiang et al,. Damxung (	30.85	91.08	Grassland	470	1.3	100	1.4	2	LiCor	SR	0.99	0.87	0.12	0.13	4	4
166	Jiang et al,. Guangzhou	23.1	113.29	Grassland	1735	21.9	100	51	1.5	ACE statio	SR	2.9	1.3	0.5	0.3	3	3
167	Jiang et al,. Guangzhou	23.1	113.29	Grassland	1735	21.9	200	51	1.5	ACE statio	SR	2.9	1	0.5	0.2	3	3
218	Liu et al,20 Guangzhou	23.33	113.5	Tropical Fo	1900	21.5	100	19.4	3	IRGA	SR	2.67	2.61	1.51	1.16	2	2
267	Mo et al,2(Guangdon	23.17	112.17	Tropical Fo	1927	21	50	33	2	GC	SR	1.58	1.68	0.16	0.1	3	3
265	Mo et al,2(Guangdon	23.17	112.17	Tropical Fo	1927	21	100	33	2	GC	SR	1.58	1.47	0.16	0.03	3	3
266	Mo et al,2(Guangdon	23.17	112.17	Tropical Fo	1927	21	150	33	2	GC	SR	1.58	1.37	0.16	0.07	3	3
298	Picek et al, Czech Rep	49.1	14.76	Grassland	630	8	65	21	1	LiCor	SR	1.93	2.02	0.31	0.34	4	4
296	Picek et al, Czech Rep	49.1	14.76	Grassland	630	8	300	21	1	LiCor	SR	1.93	1.89	0.31	0.32	4	4
299	Picek et al, Czech Rep	49.1	14.76	Grassland	630	8	65	21	1	LiCor	SR	1.2	1.1	0.24	0.3	4	4
297	Picek et al, Czech Rep	49.1	14.76	Grassland	630	8	300	21	1	LiCor	SR	1.2	1.26	0.24	0.29	4	4
305	Priess and Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	GC	SR	8.96	10.96	2.46	2.92	5	5
304	Priess and Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	GC	SR	12.41	9.9	3.19	3.17	5	5
303	Priess and Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	GC	SR	10.24	9.72	3.43	3.46	5	5
364	Tu et al,20 Liujiang, Si	29.7	103.23	Temperate	1345	16.1	50	98	2	LiCor	SR	1.13	1.42	0.05	0.05	3	3
362	Tu et al,20 Liujiang, Si	29.7	103.23	Temperate	1345	16.1	150	98	2	LiCor	SR	1.13	1.44	0.05	0.03	3	3
363	Tu et al,20 Liujiang, Si	29.7	103.23	Temperate	1345	16.1	300	98	2	LiCor	SR	1.13	1.71	0.05	0.02	3	3
435	Xu and Wa Inner Mon	42.45	116.67	Grassland	385	2.1	300	16	1	LiCor	SR	2.07	2.31	0.16	0.14	3	3
436	Xu and Wa Inner Mon	42.45	116.67	Grassland	385	2.1	300	16	1	LiCor	SR	2.17	1.97	0.19	0.15	3	3
437	Yan et al,2 Inner Mon	42.45	116.68	Grassland	385	2.1	280	16	1	LiCor	SR	1.61	1.48	0.11	0.13	5	5
466	Zhai et al,2 Chongming	31.65	121.53	Cropland	1025	15.2	150	34.8	2	LiCor	SR	4.6	5.6	0.9	0.8	4	4
469	Zhai et al,2 Chongming	31.65	121.53	Cropland	1025	15.2	300	34.8	2	LiCor	SR	4.6	6.5	0.9	0.8	4	4
472	Zhai et al,2 Chongming	31.65	121.53	Cropland	1025	15.2	450	34.8	2	LiCor	SR	4.6	7.7	0.9	0.9	4	4
467	Zhai et al,2 Chongming	31.65	121.53	Cropland	1025	15.2	150	34.8	2	LiCor	SR	5.2	6.5	1.2	1.3	4	4
470	Zhai et al,2 Chongming	31.65	121.53	Cropland	1025	15.2	300	34.8	2	LiCor	SR	5.2	8	1.2	1.5	4	4
473	Zhai et al,2 Chongming	31.65	121.53	Cropland	1025	15.2	450	34.8	2	LiCor	SR	5.2	8.5	1.2	1.5	4	4
465	Zhai et al,2 Chongming	31.65	121.53	Grassland	1025	15.2	150	34.8	2	LiCor	SR	5.8	7.4	1	0.9	4	4
468	Zhai et al,2 Chongming	31.65	121.53	Grassland	1025	15.2	300	34.8	2	LiCor	SR	5.8	9.4	1	1	4	4
471	Zhai et al,2 Chongming	31.65	121.53	Grassland	1025	15.2	450	34.8	2	LiCor	SR	5.8	7.9	1	1	4	4
465	Zhai et al,2 Chongming	31.65	121.53	Temperate	1025	15.2	150	34.8	2	LiCor	SR	3.4	3.9	0.6	0.6	4	4
468	Zhai et al,2 Chongming	31.65	121.53	Temperate	1025	15.2	300	34.8	2	LiCor	SR	3.4	4.4	0.6	0.5	4	4
471	Zhai et al,2 Chongming	31.65	121.53	Temperate	1025	15.2	450	34.8	2	LiCor	SR	3.4	5.5	0.6	0.4	4	4
500	Zhong et a Yangling, S	34.3	108.07	Cropland	632	13	90	10.7	10	LiCor	SR	0.31	0.59	0.01	0.07	3	3
497	Zhong et a Yangling, S	34.3	108.07	Cropland	632	13	180	10.7	10	LiCor	SR	0.31	0.55	0.01	0.06	3	3
498	Zhong et a Yangling, S	34.3	108.07	Cropland	632	13	270	10.7	10	LiCor	SR	0.31	0.43	0.01	0.01	3	3
499	Zhong et a Yangling, S	34.3	108.07	Cropland	632	13	360	10.7	10	LiCor	SR	0.31	0.38	0.01	0.02	3	3
512	Zhu et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	56	16	1	LiCor	SR	5.13	6.06	0.14	0.12	3	3
511	Zhu et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	224	16	1	LiCor	SR	5.13	4.56	0.14	0.87	3	3
523	Zong et al,. Damxung (	30.85	91.08	Grassland	477	1.3	40	7	3	LiCor	SR	1.21	1.55	1.16	1.2	4	4
16	Bowden et Harvard Fo	42.5	-72.33	Temperate	1120	3.5	50	19.3	13	IRGA	MR	59.5	61.2	9.2	8.5	6	6
14	Bowden et Harvard Fo	42.5	-72.33	Temperate	1120	3.5	150	19.3	13	IRGA	MR	59.5	34.2	9.2	3.1	6	6
17	Bowden et Harvard Fo	42.5	-72.33	Temperate	1120	3.5	50	19.3	13	IRGA	MR	38.3	16.8	3.8	1.3	6	6
15	Bowden et Harvard Fo	42.5	-72.33	Temperate	1120	3.5	150	19.3	13	IRGA	MR	38.3	21.5	3.8	3.1	6	6

85	Corre et al, Solling, Ge	51.73	9.6	Temperate	1100	7.3	140	25	11	GC	MR	14.8	11.6	5.1	8.3	5	5
86	Corre et al, Solling, Ge	51.73	9.6	Temperate	1100	7.3	140	25	11	GC	MR	51.8	34.4	11.2	12.5	5	5
102	Esch et al,2 Coyote Rid	37.197	-121.675	Grassland	535	15.4	50	2.6	1	GC	MR	8.7	11.6	1.2	2.5	3	3
109	Fisk and Fa White Mou	44.1	-71.4	Boreal For	1332	3.7	167	7	9	NaOH-trap	MR	27	20	69	59	24	24
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	AAM	MR	9.5	10.6	0.8	0.7	6	6
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	AAM	MR	15.4	14.8	1.5	0.9	6	6
148	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	AAM	MR	9.5	10	0.8	0.9	6	6
149	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	AAM	MR	15.4	15	1.5	1.2	6	6
186	Kang et al,. White Mou	44.05	71.7	Temperate	1400	5	30	8	1	NaOH-trap	MR	0.34	0.36	0.08	0.09	16	16
187	Kang et al,. White Mou	44.05	71.7	Temperate	1400	5	30	8	1	NaOH-trap	MR	0.16	0.155	0.07	0.06	16	16
216	Liu et al,20 Inner Mon	42.45	116.67	Grassland	385	2.1	150	16	2.4	AAM	MR	20.3	16.5	3.6	5.2	3	3
217	Liu et al,20 Inner Mon	42.45	116.67	Grassland	385	2.1	150	16	2.4	AAM	MR	33.1	27.2	3.8	5.5	3	3
224	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	10	16	3	AAM	MR	62	62	10	9	5	5
226	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	20	16	3	AAM	MR	62	74	10	15	5	5
228	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	40	16	3	AAM	MR	62	74	10	9	5	5
230	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	80	16	3	AAM	MR	62	59	10	22	5	5
225	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	160	16	3	AAM	MR	62	56	10	13	5	5
227	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	320	16	3	AAM	MR	62	54	10	11	5	5
229	Liu et al,20 Inner Mon	42.03	116.28	Grassland	383.5	2.1	640	16	3	AAM	MR	62	53	10	11	5	5
260	Mal? et al,. Zù½vi?ù¦n	49.98	12.75	Grassland	700	6.4	80	21	36	NaOH-trap	MR	30.2	30	3.6	4.3	12	12
259	Mal? et al,. Zù½vi?ù¦n	49.98	12.75	Grassland	700	6.4	160	21	36	NaOH-trap	MR	30.2	25.7	3.6	3.4	12	12
305	Priess and Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	GC	MR	150	150	40	50	5	5
304	Priess and Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	GC	MR	160	160	50	50	5	5
303	Priess and Gran Sabar	5	-61	Tropical Fo	2200	20.6	300	2.6	1	GC	MR	180	140	20	30	5	5
347	Su et al,20 Gurbantun	44.28	87.93	Desert	160	6.6	50	36	3	AAM	MR	9.6	10.7	0.7	0.7	6	6
354	Sun et al,2 Ling Kong M	36.65	112.12	Temperate	580	8	50	3	5	IRGA	MR	40	40.5	4.7	3.6	5	5
353	Sun et al,2 Ling Kong M	36.65	112.12	Temperate	580	8	100	3	5	IRGA	MR	40	43.3	4.7	5.1	5	5
366	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	30	10	1	IRGA	MR	38.8	38.8	4.7	5	3	3
369	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	80	10	1	IRGA	MR	38.8	32.8	4.7	2	3	3
367	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	30	10	1	IRGA	MR	24.1	27	1.1	2.7	3	3
370	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	80	10	1	IRGA	MR	24.1	29.2	1.1	2.1	3	3
368	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	30	10	1	IRGA	MR	28.4	28.5	2.4	2.7	3	3
371	Waldrop e northwest	43.85	-85.95	Temperate	810	7.2	80	10	1	IRGA	MR	28.4	40.3	2.4	4.3	3	3
390	Wang et al Youyu cou	42.03	116.28	Grassland	350	2	100	16	1	FE	MR	75	79	9	8	6	6
394	Wang et al Inner Mon	42.45	116.67	Grassland	382.2	2.1	100	16	3	AAM	MR	60	59	21	38	6	6
420	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	56	16	3	NaOH-trap	MR	44.6	37.7	15.3	6.5	6	6
417	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	112	16	3	NaOH-trap	MR	44.6	34.8	15.3	8.2	6	6
418	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	224	16	3	NaOH-trap	MR	44.6	33.6	15.3	10.6	6	6
419	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	392	16	3	NaOH-trap	MR	44.6	35.2	15.3	10	6	6
421	Wei et al,2 Inner Mon	43.63	116.7	Grassland	350	-0.4	560	16	3	NaOH-trap	MR	44.6	27.1	15.3	8.2	6	6
12	Bi et al,201 Inner Mon	42.03	116.28	Grassland	385.5	2.1	100	16	2	PLFA	PN	1.72	1.75	0.1	0.02	4	4
13	Boot et al,. Rocky Mou	36.05	-112.13	Temperate	1050	12.2	25	3.5	6	qPCR	PN	0.72	0.87	0.04	0.16	3	3
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	PN	1.23	1.24	0	0	6	6
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	PN	0.89	0.85	0	0	6	6
330	Shi et al,20 Henan Pro	31.82	114.06	Temperate	1119	15.2	25	19.6	1	PLFA	PN	1.03	1.11	0.14	0.09	8	8
331	Shi et al,20 Henan Pro	31.82	114.06	Temperate	1119	15.2	50	19.6	1	PLFA	PN	1.03	1.14	0.14	0.09	8	8
328	Shi et al,20 Guangdon	24.44	113.3	Temperate	1700	20.8	25	34.1	1	PLFA	PN	1.11	1.09	0.06	0.17	8	8
329	Shi et al,20 Guangdon	24.44	113.3	Temperate	1700	20.8	50	34.1	1	PLFA	PN	1.11	1.12	0.06	0.12	8	8
344	Song et al,. DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	PN	0.67	0.64	0.07	0.1	3	3
340	Song et al,. DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	PN	0.67	0.7	0.07	0.03	3	3
342	Song et al,. DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	PN	0.67	0.69	0.07	0.04	3	3
345	Song et al,. DaXing'an	53.2	122.3	Tundra	450	-3.9	60	0.8	2	PLFA	PN	0.81	0.82	0.26	0.02	3	3
341	Song et al,. DaXing'an	53.2	122.3	Tundra	450	-3.9	120	0.8	2	PLFA	PN	0.81	0.93	0.26	0.23	3	3
343	Song et al,. DaXing'an	53.2	122.3	Tundra	450	-3.9	240	0.8	2	PLFA	PN	0.81	0.78	0.26	0.04	3	3
352	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	50	16	3	PLFA	PN	0.9	0.93	0.02	0.02	3	3
350	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	100	16	3	PLFA	PN	0.9	1.04	0.02	0.01	3	3
351	Sun et al,2 Inner Mon	43.51	116.37	Grassland	400	-0.4	200	16	3	PLFA	PN	0.9	1.03	0.02	0.01	3	3
485	Zhao et al,. Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	PN	0.34	0.44	0.02	0.02	4	4
486	Zhao et al,. Sichuan, Ch	31.68	103.88	Temperate	919.5	8.9	250	9.6	4	PLFA	PN	0.36	0.44	0.03	0.05	4	4
13	Boot et al,. Rocky Mou	36.05	-112.13	Temperate	1050	12.2	25	3.5	6	qPCR	SF	17.93	17.34	2	0.69	3	3
326	Shen et al,. Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	SF	15.59	14.9	2.29	2.81	3	3
327	Shen et al,. Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	SF	16.93	13.62	1.11	1.11	3	3

413	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	SF	1.79	2.32	0.4	0.92	4	4
407	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	SF	1.79	1.91	0.4	0.4	4	4
410	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	SF	1.79	1.43	0.4	0.42	4	4
414	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	SF	2.07	2.67	0.35	0.71	4	4
408	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	SF	2.07	2.39	0.35	0.98	4	4
411	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	SF	2.07	1.97	0.35	0.29	4	4
415	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	SF	1.05	1.6	0.38	0.18	4	4
409	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	SF	1.05	1.07	0.38	0.32	4	4
412	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	SF	1.05	0.78	0.38	0.06	4	4
524	Morrison e Harvard Fo	42.5	-72.3	Temperate	1120	7.4	50	10	26	pyroseque	SF	18.3	23.6	7.6	9.01	3	3
525	Morrison e Harvard Fo	42.5	-72.3	Temperate	1120	7.4	150	10	26	pyroseque	SF	18.3	27.9	7.6	7.01	3	3
13	Boot et al,: Rocky Mou	36.05	-112.13	Temperate	1050	12.2	25	3.5	6	qPCR	GP	18.66	19.34	0.47	0.73	3	3
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	GP	41.1	41.2	1.5	1.2	6	6
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	GP	38.8	36.5	1.1	2.7	6	6
148	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	PLFA	GP	41.1	42.9	1.5	2.9	6	6
149	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	PLFA	GP	38.8	38.2	1.1	0.9	6	6
223	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	33	4.5	PLFA	GP	27.4	27.7	1.6	1.3	5	5
231	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	GP	28.9	28.4	1.8	1.1	5	5
232	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	GP	30.5	30	1.5	1.5	5	5
255	Ma et al,2(Inner Mon	43.79	116.03	Grassland	343	2.1	250	16	7	PLFA	GP	26.2	27	1.8	2	4	4
256	Ma et al,2(Inner Mon	43.79	116.03	Grassland	343	2.1	500	16	7	PLFA	GP	26.2	27.8	1.8	1.7	4	4
326	Shen et al,. Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	GP	24.56	22.68	2.96	1.54	3	3
327	Shen et al,. Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	GP	22.61	22.01	1.63	0.92	3	3
413	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	GP	41.9	44.9	1.6	0.9	4	4
407	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	GP	41.9	47	1.6	0.9	4	4
410	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	GP	41.9	53.6	1.6	2.5	4	4
414	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	GP	43.8	47.6	2.5	0.9	4	4
408	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	GP	43.8	47.5	2.5	2.3	4	4
411	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	GP	43.8	56	2.5	0.9	4	4
415	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	GP	43.1	42.7	4.4	1	4	4
409	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	GP	43.1	45.9	4.4	0.7	4	4
412	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	GP	43.1	54.2	4.4	2.7	4	4
13	Boot et al,: Rocky Mou	36.05	-112.13	Temperate	1050	12.2	25	3.5	6	qPCR	GN	26.13	22.49	2.06	3.45	3	3
146	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	GN	31.2	29.8	2.2	1.5	6	6
147	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	50	25	2.5	PLFA	GN	35.6	38.7	1.2	4.4	6	6
148	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	PLFA	GN	31.2	30.3	2.2	3.7	6	6
149	Huang et a Xinjiang, n	44.28	87.93	Desert	160	6.6	25	25	2.5	PLFA	GN	35.6	37.5	1.2	0.2	6	6
223	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	33	4.5	PLFA	GN	19	17.7	1	0.6	5	5
231	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	GN	18.9	17.3	0.9	0.8	5	5
232	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	GN	17.4	16	1.1	1.3	5	5
255	Ma et al,2(Inner Mon	43.79	116.03	Grassland	343	2.1	250	16	7	PLFA	GN	18.7	17.4	1.7	0.9	4	4
256	Ma et al,2(Inner Mon	43.79	116.03	Grassland	343	2.1	500	16	7	PLFA	GN	18.7	17.9	1.7	0.7	4	4
326	Shen et al,. Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	GN	24.6	24.61	2.25	1.33	3	3
327	Shen et al,. Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	GN	24.45	26.91	1.75	1.44	3	3
413	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	GN	29.8	29.2	1.1	0.3	4	4
407	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	GN	29.8	29	1.1	0.8	4	4
410	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	GN	29.8	25.1	1.1	1.5	4	4
414	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	GN	27.4	27.4	1.1	1.1	4	4
408	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	GN	27.4	28.4	1.1	1.6	4	4
411	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	GN	27.4	23.6	1.1	0.7	4	4
415	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	GN	30.9	30.8	2.3	1.1	4	4
409	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	GN	30.9	29.9	2.3	1	4	4
412	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	GN	30.9	25.3	2.3	0.9	4	4
13	Boot et al,: Rocky Mou	36.05	-112.13	Temperate	1050	12.2	25	3.5	6	qPCR	AMF	3.41	2.2	0.4	0.24	3	3
100	Docherty e Santa Cruz	37.67	-122.37	Grassland	783	14	70	2.6	8	qPCR	AMF	21.7	20.2	1.7	2.2	4	4
223	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	33	4.5	PLFA	AMF	1.7	1.3	0.2	0.1	5	5
231	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	AMF	1.7	1.7	0.2	0.1	5	5
232	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	AMF	1.9	1.8	0.4	0.1	5	5
326	Shen et al,. Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	AMF	3.63	2.55	0.16	0.29	3	3
327	Shen et al,. Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	AMF	3.47	3.17	0.68	0.24	3	3
413	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	AMF	3.9	2.8	0.2	0.3	4	4
407	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	AMF	3.9	2.3	0.2	0.1	4	4

410	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	AMF	3.9	2.1	0.2	0.2	4	4
414	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	AMF	3.6	2.6	0.3	0.4	4	4
408	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	AMF	3.6	2.2	0.3	0.1	4	4
411	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	AMF	3.6	2	0.3	0.2	4	4
415	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	AMF	2.8	2.5	0.3	0.2	4	4
409	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	AMF	2.8	2.1	0.3	0.1	4	4
412	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	AMF	2.8	1.8	0.3	0.1	4	4
481	Zhang et al Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	PLFA	AMF	2	0.9	0.5	0.2	6	6
482	Zhang et al Inner Mon	42.45	116.67	Grassland	385.5	2.1	150	16	3	PLFA	AMF	1.7	0.9	0	0.5	6	6
13	Boot et al,: Rocky Mou	36.05	-112.13	Temperate	1050	12.2	25	3.5	6	qPCR	ACT	2.83	3.49	0.26	0.61	3	3
94	DeForest e Michigan, I	44.38	-85.83	Temperate	821	6.1	30	3.4	7	PLFA	ACT	1.7	1.6	0.06	0.04	36	36
106	Fierer et al Bethel, MN	45.4	-93.27	Grassland	746	6.3	34	25	26	pyroseque	ACT	7.8	4.3	0.3	0.4	3	3
105	Fierer et al Bethel, MN	45.4	-93.27	Grassland	746	6.3	272	25	26	pyroseque	ACT	7.8	15.8	0.3	0.4	3	3
107	Fierer et al Hickory Co	42.44	-85.38	Cropland	898	8.6	101	7.6	7	pyroseque	ACT	5	6	0.3	0.3	3	3
108	Fierer et al Hickory Co	42.44	-85.38	Cropland	898	8.6	291	7.6	7	pyroseque	ACT	5	9.3	0.3	0.4	3	3
223	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	33	4.5	PLFA	ACT	11.8	11.7	0.4	0.9	5	5
231	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	ACT	11.9	11.9	0.7	0.9	5	5
232	Liu et al,20 Dinghusha	23.17	112.17	Tropical Fo	1927	21	150	42	4.5	PLFA	ACT	11.6	13.1	1.6	1	5	5
255	Ma et al,2(Inner Mon	43.79	116.03	Grassland	343	2.1	250	16	7	PLFA	ACT	11.7	11.1	1.8	1.7	4	4
256	Ma et al,2(Inner Mon	43.79	116.03	Grassland	343	2.1	500	16	7	PLFA	ACT	11.7	11.8	1.8	0.9	4	4
326	Shen et al,: Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	ACT	9.94	11.46	1.16	0.35	3	3
327	Shen et al,: Inner Mon	42.03	116.28	Grassland	383	2.1	100	16	4	PLFA	ACT	10.41	11.34	0.71	0.81	3	3
413	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	ACT	13.2	14	2.8	1.2	4	4
407	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	ACT	13.2	11.5	2.8	1.7	4	4
410	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	ACT	13.2	7.7	2.8	1.8	4	4
414	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	ACT	11.6	12.4	1.6	3.1	4	4
408	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	ACT	11.6	11.2	1.6	1.4	4	4
411	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	ACT	11.6	4.2	1.6	1.8	4	4
415	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	50	16	9	PLFA	ACT	14.6	20.1	4.1	3	4	4
409	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	100	16	9	PLFA	ACT	14.6	15.3	4.1	1.6	4	4
412	Wang et al Inner Mon	42.03	116.28	Grassland	379.4	2.1	150	16	9	PLFA	ACT	14.6	8.5	4.1	7.2	4	4
440	Yang et al,: Inner Mon	42.03	116.28	Grassland	382.2	2.1	20	16	10	qPCR	ACT	17.9	17.5	1	0.5	3	3
442	Yang et al,: Inner Mon	42.03	116.28	Grassland	382.2	2.1	80	16	10	qPCR	ACT	17.9	18.6	1	0.9	3	3
438	Yang et al,: Inner Mon	42.03	116.28	Grassland	382.2	2.1	160	16	10	qPCR	ACT	17.9	18.5	1	0.7	3	3
441	Yang et al,: Inner Mon	42.03	116.28	Grassland	382.2	2.1	20	16	10	qPCR	ACT	19.9	17.5	0.2	0.7	3	3
443	Yang et al,: Inner Mon	42.03	116.28	Grassland	382.2	2.1	80	16	10	qPCR	ACT	19.9	18.6	0.2	0.3	3	3
439	Yang et al,: Inner Mon	42.03	116.28	Grassland	382.2	2.1	160	16	10	qPCR	ACT	19.9	18.5	0.2	1	3	3
495	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	60	7.8	4	PLFA	ACT	10.1	10.4	2	0.9	3	3
487	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	120	7.8	4	PLFA	ACT	10.1	12.7	2	0.9	3	3
489	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	180	7.8	4	PLFA	ACT	10.1	12.1	2	0.8	3	3
491	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	240	7.8	4	PLFA	ACT	10.1	13.1	2	2.6	3	3
493	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	300	7.8	4	PLFA	ACT	10.1	12.1	2	1.6	3	3
496	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	70	7.8	4	PLFA	ACT	9	15.2	1.1	1.4	3	3
488	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	140	7.8	4	PLFA	ACT	9	11.9	1.1	0.2	3	3
490	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	210	7.8	4	PLFA	ACT	9	11.8	1.1	0.7	3	3
492	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	280	7.8	4	PLFA	ACT	9	12.4	1.1	1.4	3	3
494	Zhao et al,: Hengshui, I	37.88	115.7	Cropland	550	12.4	350	7.8	4	PLFA	ACT	9	12.9	1.1	1.2	3	3
20	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	1.64	1.73	0.66	0.71	12	12
21	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.15	0.13	0.12	0.11	12	12
22	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.07	0.09	0.05	0.06	12	12
23	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.13	0.23	0.08	0.2	12	12
24	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.37	0.44	0.25	0.34	12	12
25	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.05	0.07	0.05	0.05	12	12
26	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.06	0.08	0.03	0.03	12	12
27	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.24	0.31	0.15	0.22	12	12
28	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.11	0.15	0.05	0.12	12	12
29	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.03	0.03	0.03	0.03	12	12
30	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.03	0.05	0.03	0.03	12	12
31	Burton_et_ Michigan, I	46.87	-88.88	Temperate	874	6.2	30	9.85	15	IRGA	RR	0.15	0.11	0.11	0.08	12	12
32	Burton_et_ Michigan, I	46.87	-88.88	Temperate	821	4.8	30	9.85	7	IRGA	RR	5.31	5.19	0.66	0.88	3	3
558	Burton_et_ Michigan, I	45.55	-84.85	Temperate	828	6.1	30	9.85	7	IRGA	RR	7.67	7.1	1.21	1.05	3	3
559	Burton_et_ Michigan, I	44.38	-85.83	Temperate	856	6.9	30	9.85	7	IRGA	RR	5.77	5.65	0.72	0.72	3	3

560	Burton_et_	Michigan, I	43.67	-86.15	Temperate	793	7.6	30	9.85	7	IRGA	RR	4.54	4.64	0.55	0.5	3	3
101	Drake_et_	Orange Co	35.97	-79.08	Temperate	1125	14.5	112	20.9	1	IRGA	RR	1.6	2.33	1.27	1.28	3	3
526	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	6.46	7.53	0.35	0.35	3	3
527	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	4.25	5.42	0.16	0.12	3	3
528	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	3.73	4.35	0.12	0.28	3	3
529	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	2.31	2.48	0.03	0.14	3	3
530	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	2.03	2.21	0.1	0.07	3	3
531	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	17.57	18.68	0.23	0.64	3	3
532	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	15.53	15.65	0.29	0.42	3	3
533	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	13.98	14.24	0.35	0.23	3	3
534	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	9.53	10.27	0.14	0.23	3	3
535	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	7.08	8.52	0.38	0.36	3	3
536	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	6.66	7.59	0.38	0.29	3	3
537	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	4.65	5.77	0.26	0.12	3	3
538	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	3.38	4.2	0.28	0.03	3	3
539	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	2.43	2.45	0.26	0.29	3	3
540	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	2.06	2.14	0.03	0.16	3	3
541	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	7.43	8.13	0.4	0.1	3	3
542	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	5.59	6.59	0.26	0.43	3	3
543	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	4.26	5.62	0.28	0.24	3	3
544	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	3.59	4.3	0.21	0.21	3	3
545	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5	IRGA	RR	2.18	3.11	0.19	0.09	3	3
546	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	18.8	20.47	0.33	0.52	3	3
547	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	15.46	16.22	0.4	0.21	3	3
548	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	13.5	15.3	0.09	0.26	3	3
549	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	9.8	10.12	0.23	0.03	3	3
550	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.3	IRGA	RR	8.44	9.57	0.21	0.38	3	3
551	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	7.55	8.21	0.4	0.29	3	3
552	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	5.54	6.12	0.23	0.26	3	3
553	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	4.46	5.29	0.29	0.78	3	3
554	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	3.79	4.45	0.14	0.71	3	3
555	Jia_et_al_	Maoershar	45.38	127.53	Temperate	723	2.8	100	15	5.5	IRGA	RR	2.32	3.8	0.14	0.61	3	3
364	Tu_et_al_	Liujiang, Si	29.7	103.23	Temperate	1345	16.1	50	98	2	LiCor	RR	0.55	0.68	0.02	0.1	3	3
556	Tu_et_al_	Liujiang, Si	29.7	103.23	Temperate	1345	16.1	150	98	2	LiCor	RR	0.55	0.71	0.02	0.02	3	3
557	Tu_et_al_	Liujiang, Si	29.7	103.23	Temperate	1345	16.1	300	98	2	LiCor	RR	0.55	0.83	0.02	0.03	3	3
437	Yan_et_al_	Inner Mon	42.45	116.68	Grassland	385	2.1	280	16	0.2	LiCor	RR	1.48	1.97	0.07	0.07	5	5
561	Yan_et_al_	Inner Mon	42.45	116.68	Grassland	385	2.1	280	16	1.2	LiCor	RR	0.79	0.79	0.07	0.11	5	5
483	Zhang_et_	Lanzhou U	35.95	104.15	Grassland	382	6.7	23	1	2.3	LiCor	RR	0.14	0.21	0.05	0.05	3	3
484	Zhang_et_	Lanzhou U	35.95	104.15	Grassland	382	6.7	92	1	2.3	LiCor	RR	0.14	0.42	0.05	0.05	3	3
562	Zhang_et_	Lanzhou U	35.95	104.15	Grassland	382	6.7	23	1	2	LiCor	RR	0.23	0.21	0.02	0.05	3	3
563	Zhang_et_	Lanzhou U	35.95	104.15	Grassland	382	6.7	92	1	2	LiCor	RR	0.23	0.28	0.02	0.04	3	3
564	Zhang_et_	Lanzhou U	35.95	104.15	Grassland	382	6.7	23	1	2.1	LiCor	RR	0.26	0.22	0.05	0.06	3	3
565	Zhang_et_	Lanzhou U	35.95	104.15	Grassland	382	6.7	92	1	2.1	LiCor	RR	0.26	0.34	0.05	0.08	3	3
566	Zhang_et_	Lanzhou U	35.95	104.15	Grassland	382	6.7	23	1	2.2	LiCor	RR	0.12	0.13	0.05	0.07	3	3
567	Zhang_et_	Lanzhou U	35.95	104.15	Grassland	382	6.7	92	1	2.2	LiCor	RR	0.12	0.36	0.05	0.07	3	3