

Table S1. The soil pH under *Pinus thunbergii* forest

Sample sites	Pine status	PH 1	PH 2	PH 3	Mean
1	AT-1	4.96	4.98	5.01	4.98
	AT-2	5.08	5.09	5.1	5.09
	AT-3	4.90	4.87	4.83	4.87
	AT-4	4.91	4.92	4.95	4.93
	AT-5	4.55	4.30	4.38	4.41
	AT-6	5.28	5.31	5.23	5.27
	ST-1	4.87	4.9	4.89	4.89
	ST-2	4.89	4.97	4.95	4.94
	ST-3	5.72	5.85	5.79	5.79
2	AT-1	4.49	4.49	4.46	4.48
	AT-2	5.45	5.47	5.35	5.42
	AT-3	4.74	4.65	4.62	4.67
	AT-4	4.51	4.53	4.54	4.53
	AT-5	4.77	4.74	4.73	4.75
	AT-6	4.96	4.94	4.97	4.96
	ST-1	4.86	4.9	4.84	4.87
	ST-2	5.08	5.06	5.11	5.08
	ST-3	4.73	4.8	4.78	4.77
3	AT-1	5.28	5.18	5.15	5.20
	AT-2	4.82	4.80	4.77	4.80
	AT-3	4.93	4.95	4.89	4.92
	AT-4	5.29	5.38	5.34	5.34
	AT-5	4.63	4.55	4.55	4.58
	AT-6	4.77	4.73	4.78	4.76
	ST-1	5.12	5.17	5.19	5.16
	ST-2	5.14	5.05	5.1	5.10
	ST-3	4.98	4.99	4.99	4.99
	ST-4	5.59	5.60	5.61	5.60
4	AT-1	5.44	5.35	5.43	5.41
	AT-2	4.59	4.57	4.55	4.57
	AT-3	5.72	5.78	5.78	5.76
	AT-4	5.11	5.15	5.12	5.13
	AT-5	4.96	4.95	4.92	4.94
	AT-6	5.55	5.55	5.57	5.56
	ST-1	4.99	4.88	4.94	4.94
	ST-2	5.51	5.52	5.48	5.50
	ST-3	5.23	5.24	5.21	5.23
	ST-4	4.86	4.83	4.84	4.84
5	AT-1	5.29	5.35	5.29	5.31
	AT-2	5.57	5.59	5.52	5.56
	AT-3	5.33	5.38	5.38	5.36

	AT-4	5.30	5.29	5.29	5.29
	AT-5	5.54	5.35	5.41	5.43
	AT-6	5.49	5.53	5.52	5.51
	ST-1	5.05	5.13	5.13	5.10
	ST-2	4.77	4.81	4.83	4.80
	ST-3	4.91	4.94	4.84	4.90
	ST-4	4.66	4.66	4.67	4.66
6	AT-1	6.05	6.08	6.08	6.07
	AT-2	5.24	5.21	5.26	5.24
	AT-3	5.37	5.44	5.47	5.43
	AT-4	5.49	5.57	5.57	5.54
	AT-5	4.92	4.87	4.86	4.88
	AT-6	5.41	5.43	5.51	5.45
	ST-1	5.81	5.76	5.83	5.80
	ST-2	5.88	5.87	5.87	5.87
	ST-3	5.57	5.53	5.6	5.57
7	AT-1	4.85	4.87	4.87	4.86
	AT-2	5.23	5.28	5.29	5.27
	AT-3	4.97	4.98	4.89	4.95
	AT-4	5.41	5.44	5.44	5.43
	AT-5	5.45	5.36	5.32	5.38
	AT-6	5.47	5.42	5.43	5.44
	ST-1	5.43	5.45	5.37	5.42
	ST-2	5.43	5.51	5.47	5.47
	ST-3	5.43	5.40	5.35	5.39
8	AT-1	4.87	4.87	4.85	4.86
	AT-2	5.38	5.49	5.43	5.43
	AT-3	5.58	5.60	5.58	5.59
	AT-4	4.81	4.82	4.82	4.82
	AT-5	4.79	4.79	4.8	4.79
	AT-6	5.29	5.25	5.23	5.26
	ST-1	6.34	6.25	6.27	6.29
	ST-2	6.11	6.09	6.09	6.10
	ST-3	5.38	5.37	5.35	5.37

Note: AT stands for asymptomatic trees; ST stands for symptomatic trees.

Table S2. The soil pH under other vegetation types

Sample sites	pH 1	pH 2	pH 3	Mean
1	8.45	8.38	8.49	8.44
2	8.15	8.42	8.38	8.32
3	7.20	7.6	7.53	7.44
4	8.53	8.26	8.34	8.38
5	8.14	8.2	8.40	8.25

6	8.44	7.9	8.40	8.25
7	8.40	8.72	8.52	8.55
8	8.45	8.23	8.29	8.32
9	9.45	8.76	9.22	9.14
10	8.50	8.69	8.86	8.68
11	8.59	8.95	8.69	8.74
12	9.19	9.31	8.71	9.07
13	8.77	8.83	8.49	8.70
14	8.16	8.77	8.79	8.57
15	8.64	8.87	8.77	8.76
16	8.55	8.67	8.67	8.63
17	6.96	7.06	8.33	7.45
18	8.13	8.71	7.74	8.19
19	8.65	8.49	8.52	8.55
20	8.58	8.63	8.50	8.57
21	8.08	8.39	8.47	8.31
22	7.77	8.70	7.82	8.10
23	9.00	8.41	8.83	8.75
24	8.53	8.84	8.66	8.68
25	9.05	9.03	8.86	8.98
26	8.97	9.04	9.01	9.01
27	8.98	8.17	8.51	8.55
28	7.94	7.70	7.91	7.85
29	8.27	8.19	8.20	8.22
30	8.68	8.76	9.08	8.84
31	8.59	8.98	8.69	8.75
32	8.42	8.65	8.59	8.55
33	8.85	8.94	8.95	8.91
34	8.87	9.08	9.12	9.02
35	8.90	8.94	8.63	8.82
36	7.83	8.48	8.45	8.25
37	8.57	8.73	8.69	8.66
38	8.87	8.63	8.91	8.80
39	7.87	8.06	8.26	8.06
40	8.81	8.89	8.87	8.86
41	7.93	7.90	8.49	8.11
42	7.84	7.78	9.11	8.24
43	9.00	8.89	8.63	8.84
44	8.97	8.71	9.03	8.90
45	8.93	9.07	8.77	8.92
46	8.84	9.02	8.91	8.92
47	8.63	7.43	8.77	8.28
48	8.28	8.62	8.41	8.44
