

**Table S1.** Location information of the 171 sampled *C. camphora* individuals.

Site name	Population code	Genet IDs	Longitude(E)	Latitude(N)	Altitude(m)	DBH (cm)	Comments
Luzhou, Sichuan	SCLZ	1	105°26' 56.3"	28°58' 16.8"	311.2	59	Tree at campus of Luzhou Medical College, planted at 1930s
Luzhou, Sichuan	SCLZ	2	105°26' 44.2"	28°58' 11.1"	303.4	66	Tree at campus of Luzhou Medical College, planted at 1930s
Luzhou, Sichuan	SCLZ	3	105°26' 54.3"	28°58' 13.4"	322.3	60	Tree at campus of Luzhou Medical College, planted at 1930s
Luzhou, Sichuan	SCLZ	4	105°26' 45.1"	28°58' 15.4"	319.8	50	Tree at campus of Luzhou Medical College, planted at 1930s
Luzhou, Sichuan	SCLZ	5	105°26' 64.2"	28°58' 13.3"	299.7	70	Tree at campus of Luzhou Medical College, planted at 1930s
Yibin, Sichuan	SCYB	6	104°36' 36.8"	28°40' 46.4"	364.2	66	Tree at mountainous roadside
Yibin, Sichuan	SCYB	7	104°25' 50.6"	28°25' 69.7"	522.9	55	Tree at mountainous area
Yibin, Sichuan	SCYB	8	104°25' 47.8"	28°25' 54.4"	513.3	76	Tree at mountainous area
Yibin, Sichuan	SCYB	9	104°25' 55.9"	28°25' 47.8"	540.7	70	Tree at mountainous area
Yibin, Sichuan	SCYB	10	104°25' 63.2"	28°25' 64.3"	552.1	81	Tree at mountainous area
Dazu, Chongqing	CQDZ	11	105°51' 29.1"	29°33' 35.6"	478.3	40	Tree at Baiyun temple
Dazu, Chongqing	CQDZ	12	105°51' 35.5"	29°33' 55.7"	460	48	Tree at Baiyun temple
Dazu, Chongqing	CQDZ	13	105°51' 39.6"	29°33' 75.3"	478.5	39	Tree at Baiyun temple
Dazu, Chongqing	CQDZ	14	105°51' 48.4"	29°33' 15.96"	456.3	37	Tree at Baiyun temple
Youyang, Chongqing	CQYY	15	108°51' 16.8"	28°43' 03.5"	1312.1	118	Big tree at a farm village
Youyang, Chongqing	CQYY	16	108°51' 31.5"	28°42' 46.9"	1290.3	100	Big tree at a farm village
Youyang, Chongqing	CQYY	17	108°51' 22.1"	28°42' 37.2"	1263.3	114	Big tree at a farm village
Daozhen, Guizhou	GZDZ	18	107°43' 32.5"	28°45' 70.1"	782.1	37	Tree at mountainous area
Daozhen, Guizhou	GZDZ	19	107°43' 32.8"	28°68' 48.1"	814.3	50	Tree at mountainous area
Daozhen, Guizhou	GZDZ	20	107°34' 60.5"	28°49' 62.3"	682.6	53	Tree at mountainous area
Tongren, Guizhou	GZTR	21	109°11' 22.6"	27°43' 03.3"	303.4	91	Tree at Dongshan temple
Tongren, Guizhou	GZTR	22	109°15' 41.5"	27°34' 42.2"	531.3	210	Big tree at a farm village
Tongren, Guizhou	GZTR	23	109°11' 66.6"	27°44' 33.1"	249.8	126	Big tree at a old garden
Tongren, Guizhou	GZTR	24	109°15' 41.3"	27°34' 44.5"	546	187	Big tree at a farm village

Yichang, Hubei	HBYC	25	111°27' 67.7"	30°39' 18.2"	167.6	74	Tree at Three Gorges Botanical Garden
Yichang, Hubei	HBYC	26	111°17' 10.8"	30°42' 17.0"	76.8	54	Tree at Children Garden
Yichang, Hubei	HBYC	27	111°17' 64.8"	30°42' 30.2"	103.4	81	Tree at Dongping Garden
Yichang, Hubei	HBYC	28	111°17' 73.1"	30°42' 26.5"	108.4	67	Tree at Dongping Garden
Yichang, Hubei	HBYC	29	111°17' 75.5"	30°42' 05.7"	131.5	51	Tree at a roadside urban area
Huaihua, Hunan	HNHH	30	110°10' 97.3"	28°00' 54.1"	178.3	70	Tree at a urban area
Huaihua, Hunan	HNHH	31	110°14' 69.7"	28°08' 11.6"	233.1	43	Tree in front of hoggerly
Huaihua, Hunan	HNHH	32	110°11' 02.3"	28°00' 58.1"	199.5	48	Roadside tree at a garden
Huaihua, Hunan	HNHH	33	110°10' 99.1"	28°00' 54.0"	154.6	61	Roadside tree at a garden
Huaihua, Hunan	HNHH	34	110°11' 02.2"	28°00' 47.5"	167.3	52	Roadside tree at a urban area
Shuangfeng, Hunan	HNSF	35	112°11' 19.9"	27°27' 74.0"	90.9	53	Roadside tree at a garden
Shuangfeng, Hunan	HNSF	36	112°11' 11.8"	27°27' 71.8"	115.7	80	Tree at a suburban elementary school
Shuangfeng, Hunan	HNSF	37	112°11' 10.5"	27°27' 79.1"	100.5	102	Big tree at a farm village
Shuangfeng, Hunan	HNSF	38	112°27' 21.8"	27°24' 71.6"	116.3	143	Big tree at a farm village
Shuangfeng, Hunan	HNSF	39	112°27' 24.6"	27°24' 78.3"	147.9	124	Big tree at a farm village
Chibi, Hubei	HBCB	40	113°49' 27.5"	29°47' 13.7"	33.4	113	Big tree at a suburban area
Chibi, Hubei	HBCB	41	113°47' 93.3"	29°45' 07.9"	33.5	51	Tree at a suburban area
Chibi, Hubei	HBCB	42	113°53' 61.9"	29°43' 56.1"	22.3	62	Tree at a Renmin Square
Chibi, Hubei	HBCB	43	113°51' 24.1"	29°42' 63.3"	70.2	64	Tree at a roadside urban area
Hong'an, Hubei	HBHA	44	114°38' 50.8"	31°29' 92.8"	355.6	42	Tree at mountainous area
Hong'an, Hubei	HBHA	45	114°38' 43.2"	31°29' 81.4"	270.2	50	Tree at mountainous area
Hong'an, Hubei	HBHA	46	114°38' 42.2"	31°29' 75.1"	317.5	45	Tree at mountainous area
Hong'an, Hubei	HBHA	47	114°42' 79.4"	31°20' 21.9"	247.7	45	Tree at mountainous area
Hong'an, Hubei	HBHA	48	114°42' 80.3"	31°20' 22.4"	217.7	45	Tree at mountainous area
An'qing, Anhui	AHAQ	49	117°01' 16.5"	30°31' 04.2"	36.2	105	Big tree at campus of middle school
An'qing, Anhui	AHAQ	50	117°01' 14.7"	30°31' 05.0"	39.2	165	Big tree at campus of middle school
An'qing, Anhui	AHAQ	51	117°01' 04.6"	30°31' 08.7"	52.1	147	Big tree at campus of middle school
An'qing, Anhui	AHAQ	52	117°00' 89.5"	30°30' 78.9"	26.5	150	Big tree at campus of middle school

An'qing, Anhui	AHAQ	53	117°00' 98.4"	30°30' 80.3"	30.1	148	Big tree at campus of middle school
Chenzhou, Hunan	HNCZ	54	112°59' 35.3"	25°47' 10.8"	160.8	32	Roadside tree at a garden
Chenzhou, Hunan	HNCZ	55	112°59' 33.9"	25°47' 16.5"	181.8	41	Roadside tree at a garden
Chenzhou, Hunan	HNCZ	56	112°59' 38.8"	25°47' 28.8"	178.3	59	Roadside tree at a garden
Chenzhou, Hunan	HNCZ	57	112°59' 45.1"	25°47' 28.1"	183.3	39	Roadside tree at a garden
Changsha, Hunan	HNCS	58	113°04' 29.0"	28°12' 19.5"	38.9	61	Tree adjacent to a private house at a farm village
Changsha, Hunan	HNCS	59	113°04' 09.3"	28°12' 26.6"	52.1	42	Tree adjacent to a private house at a farm village
Changsha, Hunan	HNCS	60	112°56' 56.9"	28°12' 34.8"	102.1	48	Tree at rural area
Changsha, Hunan	HNCS	61	112°59' 51.6"	28°12' 60.1"	33.7	75	Tree at a garden
Changsha, Hunan	HNCS	62	112°59' 42.1"	28°12' 68.2"	35.4	86	Tree at a garden
Yongxiu, Jiangxi	JXYX	63	115°35' 50.7"	29°02' 92.9"	99.6	130	Big tree adjacent to a private house at a farm village
Yongxiu, Jiangxi	JXYX	64	115°35' 50.3"	29°02' 92.8"	99.1	166	Big tree adjacent to a private house at a farm village
Yongxiu, Jiangxi	JXYX	65	115°33' 98.2"	29°03' 68.7"	119.7	176	Big tree at yard of temple
An'yi, Jiangxi	JXAY	66	115°37' 95.4"	28°48' 66.9"	44.4	176	Big tree at a farm village
An'yi, Jiangxi	JXAY	67	115°37' 95.1"	28°48' 66.2"	43.8	124	Big tree at a farm village
An'yi, Jiangxi	JXAY	68	115°37' 89.8"	28°48' 65.7"	65.2	109	Big tree at a rural elementary school
An'yi, Jiangxi	JXAY	69	115°37' 90.3"	28°48' 65.8"	68.7	101	Big tree at a rural elementary school
Hukou, Jiangxi	JXHK	70	116°12' 79.2"	29° 43' 96.0"	190.1	77	Roadside tree at a oil refinery
Hukou, Jiangxi	JXHK	71	116°13' 86.0"	29°43' 99.3"	21.3	111	Big tree at a government compound
Hukou, Jiangxi	JXHK	72	116°13' 87.1"	29°43' 98.8"	21.2	51	Tree at a urban area
Hukou, Jiangxi	JXHK	73	116°13' 86.9"	29°43' 99.1"	20.9	100	Big tree at a government compound
Wuyuan, Jiangxi	JXWY	74	117°45' 58.4"	29°05' 12.6"	71.8	222	Giant tree at a farm village
Wuyuan, Jiangxi	JXWY	75	118°01' 52.9"	29°23' 60.2"	165.8	201	Giant tree at a farm village
Wuyuan, Jiangxi	JXWY	76	117°28' 41.5"	29°16' 50.1"	130.1	207	Giant tree at a rural area
Wuyuan, Jiangxi	JXWY	77	117°27' 80.2"	29°15' 98.5"	101.2	110	Big tree at a rural area
Ruichang, Jiangxi	JXRC	78	115°36' 51.2"	29°43' 56.2"	39.4	125	Big tree at a farm village
Ruichang, Jiangxi	JXRC	79	115°36' 51.4"	29°43' 55.7"	39.6	83	Tree at a farm village
Ruichang, Jiangxi	JXRC	80	115°36' 49.7"	29°43' 58.4"	23.7	127	Big tree at a farm village

Pingxiang, Jiangxi	JXPX	81	114°04' 00.3''	27°38' 10.9''	166.6	217	Giant tree at a farm village
Pingxiang, Jiangxi	JXPX	82	114°04' 11.0''	27°38' 00.7''	166.4	175	Giant tree at a farm village
Pingxiang, Jiangxi	JXPX	83	114°04' 11.3''	27°38' 00.9''	165.9	260	Giant tree at a farm village
Pingxiang, Jiangxi	JXPX	84	114°04' 21.1''	27°37' 59.5''	194.1	230	Big tree at a suburban area
Le'an, Jiangxi	JXLA	85	115°42' 10.8''	27°20' 77.5''	175.7	106	At the Le 'an Niutian ancient camphor forest, more than 3,000 big trees grow
Le'an, Jiangxi	JXLA	86	115°43' 84.9''	27°17' 85.6''	107.4	149	At the Le 'an Niutian ancient camphor forest, more than 3,000 big trees grow
Le'an, Jiangxi	JXLA	87	115°43' 83.1''	27°17' 82.9''	102.9	146	At the Le 'an Niutian ancient camphor forest, more than 3,000 big trees grow
Le'an, Jiangxi	JXLA	88	115°43' 80.0''	27°17' 81.2''	97.1	126	At the Le 'an Niutian ancient camphor forest, more than 3,000 big trees grow
Le'an, Jiangxi	JXLA	89	115°43' 75.5''	27°71' 52.2''	101.7	133	At the Le 'an Niutian ancient camphor forest, more than 3,000 big trees grow
Zixi, Jiangxi	JXZX	90	116°95' 33.1''	27°59' 86.5''	335.6	123	Big tree at a farm village
Zixi, Jiangxi	JXZX	91	116°95' 43.1''	27°59' 63.3''	332.8	156	Big tree at a farm village
Zixi, Jiangxi	JXZX	92	116°95' 54.1''	27°59' 73.4''	334.6	130	Big tree at a farm village
Zixi, Jiangxi	JXZX	93	116°95' 49.1''	27°59' 76.5''	335.1	128	Big tree at a farm village
Quannan, Jiangxi	JXQN	94	114°35' 37.5''	24° 46' 36.1''	257.7	115	Big tree at a farm village
Quannan, Jiangxi	JXQN	95	114°22' 28.6''	24° 38' 65.0''	353.1	165	Big tree at a farm village
Quannan, Jiangxi	JXQN	96	114°22' 28.3''	24° 38' 64.2''	352.3	120	Big tree at a farm village
Ruijin, Jiangxi	JXRJ	97	116°00' 83.4''	25°57' 00.8''	220.9	43	Tree near the rural paddy field
Ruijin, Jiangxi	JXRJ	98	116°00' 43.7''	25°53' 23.5''	211.8	78	Tree at the scenic area
Ruijin, Jiangxi	JXRJ	99	116°00' 19.8''	25°53' 06.8''	215.3	75	Tree at the scenic area
Ruijin, Jiangxi	JXRJ	100	116°00' 15.9''	25°53' 07.5''	209.3	128	Big tree at a farm village
Ruijin, Jiangxi	JXRJ	101	115°57' 82.0''	25°54' 45.5''	219.9	161	Big tree at a farm village
Suichuan, Jiangxi	JXSC	102	114°30' 08.2''	26°18' 50.1''	110.2	118	Big tree at a farm village
Suichuan, Jiangxi	JXSC	103	114°30' 08.8''	26°18' 48.2''	111.3	89	Tree at a farm village
Suichuan, Jiangxi	JXSC	104	114°30' 07.6''	26°18' 50.4''	112.2	115	Big tree at a farm village
Suichuan, Jiangxi	JXSC	105	114°30' 06.9''	26°18' 52.7''	113.9	83	Tree at a farm village
Taihe, Jiangxi	JXTH	106	114°58' 06.5''	26°48' 31.5''	50.4	185	At the riverside of Jintan Gulin Forest, more than 200 big trees grow
Taihe, Jiangxi	JXTH	107	114°58' 06.3''	26°48' 33.6''	50.9	129	At the riverside of Jintan Gulin Forest, more than 200 big trees grow
Taihe, Jiangxi	JXTH	108	114°58' 06.1''	26°48' 29.9''	49.7	153	At the riverside of Jintan Gulin Forest, more than 200 big trees grow

Wan'an, Jiangxi	JXWA	109	114°52' 98.5"	26°33' 58.3"	102.4	86	Rural secondary forest near farm village; Many camphor grow with the dominance of bamboo
Wan'an, Jiangxi	JXWA	110	114°52' 99.3"	26°33' 58.1"	102.2	103	Rural secondary forest near farm village; Many camphor grow with the dominance of bamboo
Wan'an, Jiangxi	JXWA	111	114°52' 98.2"	26°33' 57.8"	102.8	143	Rural secondary forest near farm village; Many camphor grow with the dominance of bamboo
Wan'an, Jiangxi	JXWA	112	114°52' 98.1"	26°33' 58.6"	102.2	94	Rural secondary forest near farm village; Many camphor grow with the dominance of bamboo
Wan'an, Jiangxi	JXWA	113	114°52' 97.5"	26°33' 56.3"	102.3	100	Rural secondary forest near farm village; Many camphor grow with the dominance of bamboo
An'fu, Jiangxi	JXAF	114	114°40' 67.5"	27°22' 50.3"	79.4	205	Giant tree at a farm village
An'fu, Jiangxi	JXAF	115	114°41' 59.5"	27°22' 19.7"	77.1	191	Big tree at a riverside farm village
An'fu, Jiangxi	JXAF	116	114°41' 59.4"	27°22' 19.6"	78.2	312	Giant tree at a riverside farm village
An'fu, Jiangxi	JXAF	117	114°41' 58.2"	27°23' 01.7"	87.6	206	Giant tree at a farm village
Xiajiang, Jiangxi	JXXJ	118	115°20' 29.5"	27°30' 30.8"	30.5	130	Big tree at a farm village
Xiajiang, Jiangxi	JXXJ	119	115°19' 59.3"	27°30' 45.5"	58	139	Big tree at a farm village
Xiajiang, Jiangxi	JXXJ	120	115°40' 39.7"	27°30' 89.7"	59.5	118	Big tree at a farm village
Xiajiang, Jiangxi	JXXJ	121	115°33' 09.8"	27°30' 45.1"	31.7	108	Big tree at a farm village
Xin'gan, Jiangxi	JXXG	122	115°27' 48.5"	27°48' 81.6"	60.5	153	At the riverside farm village, more than 30 big trees grow
Xin'gan, Jiangxi	JXXG	123	115°27' 48.9"	27°48' 81.2"	59.8	171	At the riverside farm village, more than 30 big trees grow
Xin'gan, Jiangxi	JXXG	124	115°27' 48.7"	27°48' 80.9"	62.1	105	At the riverside farm village, more than 30 big trees grow
Xin'gan, Jiangxi	JXXG	125	115°28' 63.5"	27°50' 40.1"	46.4	124	At the riverside paddy field, more than 50 big trees grow
Xin'gan, Jiangxi	JXXG	126	115°28' 64.1"	27°50' 40.8"	45.9	100	At the riverside paddy field, more than 50 big trees grow
Yongfeng, Jiangxi	JXYF	127	115°31' 19.9"	27°09' 08.8"	103.8	94	Tree at a farm village
Yongfeng, Jiangxi	JXYF	128	115°31' 19.1"	27°09' 08.2"	101.4	74	Tree at a farm village
Yongfeng, Jiangxi	JXYF	129	115°31' 19.4"	27°09' 08.0"	99.7	126	Big tree at a farm village
Yongfeng, Jiangxi	JXYF	130	115°27' 54.6"	27°19' 59.7"	84.1	86	Tree at a farm village
Yongfeng, Jiangxi	JXYF	131	115°27' 54.1"	27°19' 59.3"	78.9	165	Big tree at a farm village
Ji'an, Jiangxi	JXJA	132	115°08' 71.5"	27°04' 90.3"	75.1	61	Tree at a rural riverside
Ji'an, Jiangxi	JXJA	133	115°08' 72.0"	27°04' 91.1"	75.2	70	Tree at a rural riverside
Ji'an, Jiangxi	JXJA	134	115°08' 73.1"	27°04' 90.7"	76.5	62	Tree at a rural riverside
Ji'an, Jiangxi	JXJA	135	115°08' 74.0"	27°04' 92.2"	76.1	52	Tree at a rural riverside
Ji'an, Jiangxi	JXJA	136	115°08' 74.4"	27°04' 94.3"	75.9	67	Tree at a rural riverside

Location	Code	ID	Latitude	Longitude	Height (m)	DBH (cm)	Description
Jishui, Jiangxi	JXJS	137	115°14' 83.1''	27°26' 13.7''	45.8	100	Big tree at a riverside rural area
Jishui, Jiangxi	JXJS	138	115°14' 82.9''	27°26' 13.6''	45.7	131	Big tree at a riverside rural area
Jishui, Jiangxi	JXJS	139	115°07' 72.2''	27°15' 26.1''	41	207	Giant tree at a suburban area
Jishui, Jiangxi	JXJS	140	115°07'78. 2''	27°13' 99.9''	55.1	53	Tree at a county government square
Putian, Fujian	FJPT	141	118°34' 50.5''	25°19' 29.9''	118.4	400	Giant tree at a farm village
Putian, Fujian	FJPT	142	118°34' 46.8''	25°19' 30.6''	128.3	150	Big tree adjacent to a private house at a farm village
Putian, Fujian	FJPT	143	118°49' 33.8''	25°38' 02.1''	494.3	260	Giant tree at a farm village
Putian, Fujian	FJPT	144	118°56' 55.6''	25°39' 05.3''	198.1	100	Big tree at a farm village
Putian, Fujian	FJPT	145	118°56' 10.9''	25°42' 31.3''	282.4	120	Big tree at a farm village
Pucheng, Fujian	FJPC	146	118°31' 36.1''	27°55' 34.9''	219.1	42	Roadside tree at urban area
Pucheng, Fujian	FJPC	147	118°32' 43.8''	27°55' 24.1''	248.5	96	Suburban secondary forest at Xiangloushan Garden
Pucheng, Fujian	FJPC	148	118°32' 59.8''	27°55' 18.8''	324.4	49	Suburban secondary forest at Xiangloushan Garden
Pucheng, Fujian	FJPC	149	118°31' 35.7''	27°55' 99.5''	257.4	63	Suburban secondary forest at Xiangloushan Garden
Pucheng, Fujian	FJPC	150	118°32' 67.2''	27°55' 24.2''	301.4	36	Suburban secondary forest at Xiangloushan Garden
Wuyishan, Fujian	FJWYS	151	118°01' 13.2''	27°44' 21.7''	221.8	79	Tree at Zhangshu Garden
Wuyishan, Fujian	FJWYS	152	118°01' 12.3''	27°44' 23.4''	195.2	90	Tree at Zhangshu Garden
Wuyishan, Fujian	FJWYS	153	118°01' 12.1''	27°44' 23.2''	195.2	89	Tree at Zhangshu Garden
Wuyishan, Fujian	FJWYS	154	118°01' 14.2''	27°44' 21.1''	252.3	53	Roadside tree at urban area
Chun'an, Zhejiang	ZJCA	155	119°02' 13.8''	29°36' 16.2''	165.5	125	Roadside tree at urban area
Chun'an, Zhejiang	ZJCA	156	119°02' 05.0''	29°36' 08.4''	153.2	50	Roadside tree at urban area
Chun'an, Zhejiang	ZJCA	157	119°02' 19.6''	29°36' 24.3''	158.1	78	Roadside tree at urban area
Chun'an, Zhejiang	ZJCA	158	119°02' 28.0''	29°36' 19.2''	138.4	130	Roadside tree at urban area
Qingyuan, Zhejiang	ZJQY	159	119°04' 48.5''	27°36' 26.1''	409.8	101	Big tree adjacent to a ancestral temple of farm village
Qingyuan, Zhejiang	ZJQY	160	119°00' 07.2''	27°36' 98.8''	318.1	102	Big tree adjacent to a farm village
Qingyuan, Zhejiang	ZJQY	161	119°05' 61.3''	27°37' 44.5''	345.2	100	Big tree at a farm village
Qingyuan, Zhejiang	ZJQY	162	119°05' 60.7''	27°37' 44.1''	345.2	156	Big tree at a farm village
Xiangshan, Zhejiang	ZJXS	163	121°52' 07.4''	29°28' 63.6''	24.7	45	Tree at a garden
Xiangshan, Zhejiang	ZJXS	164	121°52' 38.6''	29°22' 78.7''	19.4	500	Roadside tree at a temple

Xiangshan, Zhejiang	ZJXS	165	121°52' 38.9"	29°22' 82.3"	21.5	70	Roadside tree at urban area
Xiangshan, Zhejiang	ZJXS	166	121°52' 43.5"	29°22' 80.8"	21.8	70	Tree at a farm village
Xiangshan, Zhejiang	ZJXS	167	121°52' 55.2"	29°22' 93.4"	10.4	110	Big tree at a farm village
Osaka,Japan	JP	168	133°74' 24.6"	33°48' 75.9"	53.7	75	Roadside tree at a garden
Osaka,Japan	JP	169	133°42' 37.2"	34°49' 33.4"	44.9	94	Roadside tree at a garden
Osaka,Japan	JP	170	133°62' 57.9"	34°79' 83.3"	87.6	87	Roadside tree at a garden
Osaka,Japan	JP	171	133°67' 55.9"	34°37' 53.2"	45.3	93	Roadside tree at a garden

Table S2. Sequencing quality of the 171 sampled *C. camphora* individuals.

Site Name	Genet IDs	Raw ba- ses(bp)	Clean ba- ses(bp)	Q20( %)	Q30( %)	GC con- tent(%)	Clean reads	Mapping reads	Mapping rate(%)	Coverage 1×	Coverage 4×
Luzhou, Sichuan	1	757089504	757027296	95.57	89.59	38.48	5257134	5080506	96.64	10.87	5.1
Luzhou, Sichuan	2	711365472	711310176	95.4	89.18	38.45	4939654	4776549	96.7	10.92	4.99
Luzhou, Sichuan	3	747753408	747700416	95.37	89.16	38.38	5192364	5017944	96.64	11.36	5.19
Luzhou, Sichuan	4	719344800	719286912	94.68	87.48	38.33	4995048	4827928	96.65	10.04	4.85
Luzhou, Sichuan	5	672134688	672089472	94.3	86.66	38.36	4667288	4509285	96.61	10.66	4.93
Yibing, Sichuan	6	793846080	793816704	97.1	92.65	38.95	5512616	5312152	96.36	12.65	5.98
Yibing, Sichuan	7	832949568	832917888	96.81	91.86	39.06	5784152	5430384	93.88	12.36	6.02
Yibing, Sichuan	8	706752864	706706496	94.91	88.04	38.36	4907684	4736260	96.51	10.69	4.92
Yibing, Sichuan	9	785517120	785460960	95.42	89.18	38.36	5454590	5266858	96.56	10.71	5.14
Yibing, Sichuan	10	768889152	768834720	94.87	87.82	38.21	5339130	5159263	96.63	10.92	5.11
Dazu, Chong- qing	11	917251488	917158464	94.39	87.36	37.66	6369156	6131947	96.28	11.19	5.23
Dazu, Chong- qing	12	854168256	854064864	94.81	88.16	38.36	5931006	5724865	96.52	13.78	6.16
Dazu, Chong- qing	13	690401088	690323616	94.57	87.66	38.26	4793914	4609100	96.14	13.02	5.6
Dazu, Chong- qing	14	543957984	543901248	96.28	90.56	38.52	3777092	3658907	96.87	10.75	4.93
Youyang, Chongqing	15	1049364864	1049327136	96.64	91.36	38.56	7286994	7069826	97.02	13.8	7.13
Youyang, Chongqing	16	705722400	705665952	95.62	89.59	38.64	4900458	4740649	96.74	12.53	5.64
Youyang, Chongqing	17	942522336	942488928	96.87	91.98	38.45	6545062	6350401	97.03	13.21	6.72
Daozhen, Gui- zhou	18	670384512	670361472	96.54	91.07	38.44	4655288	4524082	97.18	10.06	5.06
Daozhen, Gui- zhou	19	771966720	771906528	95.25	88.83	37.96	5360462	5143146	95.95	9.48	4.85
Daozhen, Gui- zhou	20	695571840	695553408	96.62	91.23	38.58	4830232	4605010	95.34	12.63	5.68
Tongren, Gui- zhou	21	672359616	672357888	94.41	86.55	38.88	4669152	4512789	96.65	9.39	4.87
Tongren, Gui- zhou	22	771611328	771543072	95.47	89.47	38.52	5357938	5190638	96.88	11.4	5.52

Tongren, Gui-zhou	23	717448032	717425568	96.94	92.15	38.76	4982122	4840170	97.15	13.22	6.15
Tongren, Gui-zhou	24	1017777888	1017743616	96.89	92	38.94	7067664	6867400	97.17	13.04	6.67
Yichang, Hubei	25	708688512	708611040	94.78	88.16	38.52	4920910	4748375	96.49	11.89	5.37
Yichang, Hubei	26	773208288	773206560	95.94	89.89	38.63	5369490	5163565	96.16	9.34	4.98
Yichang, Hubei	27	1234387296	1234269216	96.78	91.63	38.81	8571314	8305891	96.9	13.91	7.18
Yichang, Hubei	28	791316288	791234496	94.77	88.19	38.36	5494684	5277126	96.04	11.79	5.5
Yichang, Hubei	29	724834656	724762944	94.16	86.67	38.25	5033076	4852517	96.41	10.89	5.01
Huaihua, Hunan	30	794490336	794459520	96.41	90.74	38.7	5517080	5353900	97.04	15.42	7.12
Huaihua, Hunan	31	710625600	710579232	94.84	87.83	38.13	4934578	4774786	96.76	10.44	5.2
Huaihua, Hunan	32	674470656	674433792	93.72	85	38.31	4683568	4549060	97.13	10.64	5.25
Huaihua, Hunan	33	954293184	954263232	96.51	91.04	38.59	6626828	6428904	97.01	11.64	6.26
Huaihua, Hunan	34	772575840	772519104	95.33	89.03	38.33	5364716	5178582	96.53	10.49	5.24
Shuangfeng, Hunan	35	1055292480	1055158848	97.08	92.56	38.88	7327492	7092947	96.8	13.56	6.66
Shuangfeng, Hunan	36	838555200	838473120	96.32	90.55	38.69	5822730	5638588	96.84	11.86	6.07
Shuangfeng, Hunan	37	802420992	802360800	95.35	89.03	38.33	5571950	5390088	96.74	10.51	5.37
Shuangfeng, Hunan	38	752745312	752688864	95.29	88.9	38.36	5227006	5053147	96.67	10.45	5.04
Shuangfeng, Hunan	39	843558336	843467904	96.82	91.84	38.56	5857416	5655215	96.55	14.54	6.92
Chibi, Hubei	40	414556992	414509760	96.92	92.23	38.53	2878540	2784923	96.75	9.12	4.12
Chibi, Hubei	41	737811072	737745696	94.39	87.05	38.48	5123234	4935498	96.34	11.26	5.12
Chibi, Hubei	42	746830368	746744256	94.92	88.6	38.33	5185724	4995037	96.32	11.57	5.29
Chibi, Hubei	43	705388320	705301344	94.96	88.59	38.09	4897926	4718855	96.34	11.56	5.25
Hong'an, Hubei	44	654514848	654454080	93.72	85.72	38.52	4544820	4375543	96.28	10.59	4.79
Hong'an, Hubei	45	705703968	705619296	97	92.31	38.7	4900134	4734912	96.63	12.55	5.87
Hong'an, Hubei	46	789645312	789560064	94.37	87.16	38.43	5483056	5271303	96.14	11.32	5.32
Hong'an, Hubei	47	850181472	850070304	96.97	92.32	38.78	5903266	5698288	96.53	12.77	5.93
Hong'an, Hubei	48	873982656	873888192	94.9	88.34	38.42	6068668	5841216	96.25	11.94	5.57
An'qing, Anhui	49	699289344	699207840	94.75	88.07	38.25	4855610	4679025	96.36	10.24	4.91
An'qing, Anhui	50	1000135008	1000011456	97.19	92.9	38.75	6944524	6706787	96.58	15.6	7.41
An'qing, Anhui	51	713926656	713840544	94.69	87.91	38.31	4957226	4776183	96.35	10.42	4.89
An'qing, Anhui	52	750256128	750167712	95	88.72	38.16	5209498	5020759	96.38	12.26	5.54
An'qing, Anhui	53	698383584	698302944	94.97	88.51	38.48	4849326	4661670	96.13	11.29	5.13
Chenzhou, Hunan	54	1480446720	1480278816	97.07	92.47	38.75	10279714	9984393	97.13	13.76	7.23
Chenzhou, Hunan	55	1948032576	1948032576	94.13	86.74	38.11	13528004	12852817	95.01	13.86	6.89
Chenzhou, Hunan	56	655654464	655602624	95.57	89.63	38.32	4552796	4402749	96.7	10.12	4.74
Chenzhou, Hunan	57	841538304	841505760	96.89	91.98	38.61	5843790	5649646	96.68	13.9	6.63
Changsha, Hunan	58	689112288	689061312	94.79	87.73	38.36	4785148	4620260	96.55	11.51	5.18
Changsha, Hunan	59	1038871872	1038741696	97.05	92.6	38.92	7213484	6968119	96.6	13.74	6.57
Changsha, Hunan	60	767782368	767729952	94.82	87.85	38.24	5331458	5150908	96.61	11.3	5.19
Changsha, Hunan	61	712079424	712029024	95.18	88.62	38.38	4944646	4783796	96.75	9.99	4.84



Changsha, Hunan	62	747473760	747415008	95.83	90.12	38.16	5190382	5007346	96.47	15.08	6.74
Yongxiu, Jiangxi	63	745216416	745202592	95.25	88.59	38.09	5175018	4999495	96.61	12.82	5.76
Yongxiu, Jiangxi	64	765917568	765903456	94	85.71	38.08	5318774	5116015	96.19	14.46	6.15
Yongxiu, Jiangxi	65	699683040	699666912	93.73	85	38.15	4858798	4684742	96.42	12.82	5.3
An'yi, Jiangxi	66	846302976	846287424	94.41	86.77	37.28	5876996	5667973	96.44	12.58	5.61
An'yi, Jiangxi	67	973454112	973437696	95.19	88.55	37.75	6759984	6523427	96.5	15.86	6.48
An'yi, Jiangxi	68	872852544	872836128	94.8	87.62	37.52	6061362	5840224	96.35	14.89	5.99
An'yi, Jiangxi	69	926095392	926081856	94.67	87.37	37.56	6431124	6209108	96.55	15.25	6.07
Hukou, Jiangxi	70	988583904	988580448	95.39	88.63	38.17	6865142	6575817	95.79	9.42	5.17
Hukou, Jiangxi	71	890290656	890199648	94.26	86.59	37.42	6181942	5965908	96.51	15.28	5.94
Hukou, Jiangxi	72	735123456	735120864	95.25	88.43	37.78	5105006	4915841	96.29	8.2	4.55
Hukou, Jiangxi	73	810257472	810254880	95.11	88.04	38.9	5626770	5416485	96.26	10.14	5.27
Wuyuan, Jiangxi	74	786117888	786038400	94.12	86.2	37.83	5458600	5244911	96.09	12.92	5.57
Wuyuan, Jiangxi	75	712337760	712274976	93.77	85	37.94	4946354	4782935	96.7	12.43	5.57
Wuyuan, Jiangxi	76	850843008	850751712	94.3	86.83	38.03	5907998	5685576	96.24	12.82	5.79
Wuyuan, Jiangxi	77	931396032	931393152	95.11	88.06	38.72	6468008	6051715	93.56	9.72	5.32
Ruichang, Jiangxi	78	637800768	637740576	93.67	85	38.02	4428754	4271421	96.45	14.83	5.76
Ruichang, Jiangxi	79	889807392	889717536	93.58	85.09	37.54	6178594	5954515	96.37	14.86	5.96
Ruichang, Jiangxi	80	902180736	902080224	94.34	86.88	37.62	6264446	6029877	96.26	16.01	6.5
Pingxiang, Jiangxi	81	815833728	815741280	94.03	86.03	37.99	5664870	5468433	96.53	13.23	5.94
Pingxiang, Jiangxi	82	592092864	592037568	93.65	85	36.62	4111372	3972964	96.63	9.95	4.34
Pingxiang, Jiangxi	83	760116384	760050144	93.75	85	37.56	5278126	5103690	96.7	12.15	5.44
Pingxiang, Jiangxi	84	715152960	715087584	93.78	85	37.93	4965886	4801592	96.69	13.43	5.67
Le'an, Jiangxi	85	753049152	753049152	93.55	85	37.5	5229508	5041914	96.41	8.75	4.72
Le'an, Jiangxi	86	968915232	968795712	96.92	92.1	38.89	6727748	6500888	96.63	11.41	5.78
Le'an, Jiangxi	87	1145344608	1145344608	93.34	85	37.7	7953782	7635477	96	12.1	5.77
Le'an, Jiangxi	88	578274048	578274048	93.7	85.94	37.55	4015792	3623072	90.22	8.23	4.36
Le'an, Jiangxi	89	713645856	713643552	96.11	90.32	38.7	4955858	4783251	96.52	9.72	5.02
Zixi, Jiangxi	90	770412096	770397696	94.03	85.78	37.92	5349984	5154890	96.35	12.93	5.75
Zixi, Jiangxi	91	563195232	563194368	95.54	88.97	39.25	3911072	3741808	95.67	9.43	4.42
Zixi, Jiangxi	92	842536800	842533920	96.15	90.4	38.62	5850930	5602547	95.75	12.83	6.18
Zixi, Jiangxi	93	743383008	743368032	94.28	86.34	38.16	5162278	4956042	96	12.68	5.26
Quannan, Jiangxi	94	839046816	838960416	94.05	86.03	37.72	5826114	5617332	96.42	12.79	5.77
Quannan, Jiangxi	95	732485376	732417696	93.66	85.15	38.05	5086234	4897779	96.29	11.99	5.25
Quannan, Jiangxi	96	809485056	809407296	93.95	85.88	37.49	5620884	5415081	96.34	12.43	5.38
Ruijin, Jiangxi	97	757196352	757196352	93.38	85	37.57	5258308	5054919	96.13	9.9	5.01
Ruijin, Jiangxi	98	924037056	923926752	97.05	92.41	38.72	6416158	6210550	96.8	13.06	6.44
Ruijin, Jiangxi	99	702111168	702021888	96.8	91.8	38.81	4875152	4712306	96.66	9.95	5.14
Ruijin, Jiangxi	100	714321216	714248640	93.91	85	37.39	4960060	4801377	96.8	14.12	5.43
Ruijin, Jiangxi	101	784202112	784120320	93.69	85	37.66	5445280	5272982	96.84	11.13	5.41
Suichuan, Jiangxi	102	799976736	799901856	94.42	87.19	38.23	5554874	5341539	96.16	11.39	5.21
Suichuan, Jiangxi	103	769604256	769528224	94.31	86.97	38.52	5343946	5147264	96.32	12.04	5.47

Suichuan, Jiangxi	104	781036992	780958080	94.25	86.94	38.52	5423320	5207998	96.03	11.45	5.18
Suichuan, Jiangxi	105	609175296	609108768	94.63	87.75	38.47	4229922	4074912	96.34	11.26	4.92
Taihe, Jiangxi	106	899409888	899391744	95.09	88.37	37.78	6245776	6021391	96.41	13.34	5.83
Taihe, Jiangxi	107	820418976	820416672	95.79	89.55	38.75	5697338	5462031	95.87	11.26	5.59
Taihe, Jiangxi	108	789003360	788990976	94.98	88.05	37.8	5479104	5283575	96.43	13.16	5.77
Wan'an, Jiangxi	109	741694464	741680928	93.78	85	37.23	5150562	4978635	96.66	15.24	5.45
Wan'an, Jiangxi	110	678635712	678625920	94.02	85.85	37.7	4712680	4536265	96.26	10.82	5.19
Wan'an, Jiangxi	111	865950336	865936224	95	87.97	37.78	6013446	5808409	96.59	14.91	6.03
Wan'an, Jiangxi	112	762613920	762611328	95.67	89.34	38.7	5295912	5093128	96.17	11.05	5.4
Wan'an, Jiangxi	113	899040384	899025984	94.14	85.91	38.07	6243236	6026403	96.53	14.55	6.33
An'fu, Jiangxi	114	901757088	901753632	95.73	89.48	38.61	6262178	6039321	96.44	9.76	5.43
An'fu, Jiangxi	115	1228771872	1228771872	94.03	86.65	37.68	8533138	7632656	89.45	11.11	5.67
An'fu, Jiangxi	116	1326024576	1326024576	94.06	86.59	37.83	9208504	8864558	96.26	11.58	6.06
An'fu, Jiangxi	117	798446880	798443712	94.92	87.66	38.7	5544748	5321008	95.96	9.85	5.17
Xiajiang, Jiangxi	118	478140768	478132128	94.17	85	38.06	3320362	3222266	97.05	10.74	4.49
Xiajiang, Jiangxi	119	747969984	747957600	94.84	87.75	37.87	5194150	5008022	96.42	12.11	5.57
Xiajiang, Jiangxi	120	611570592	611568576	96.19	90.43	38.67	4247004	4094432	96.41	9.05	4.46
Xiajiang, Jiangxi	121	457099488	457090560	94.55	87.1	37.73	3174240	3051603	96.14	10.3	4.42
Xin'gan, Jiangxi	122	840493440	840386304	95.2	89.09	38.13	5836016	5624876	96.38	13.42	5.97
Xin'gan, Jiangxi	123	765546912	765467712	94.6	87.76	38.42	5315748	5115219	96.23	11.49	5.15
Xin'gan, Jiangxi	124	755734464	755640576	94.94	88.45	38.33	5247504	5055392	96.34	12.46	5.65
Xin'gan, Jiangxi	125	747827712	747744480	94.86	88.29	38.33	5192670	5000892	96.31	12.05	5.46
Xin'gan, Jiangxi	126	804546720	804465504	94.7	87.82	37.59	5586566	5390450	96.49	11.47	5.31
Yongfeng, Jiangxi	127	833988384	833902560	93.91	85.84	37.52	5790990	5581259	96.38	13.64	5.58
Yongfeng, Jiangxi	128	1316621376	1316621376	93.42	85	37.73	9143204	8795661	96.2	10.77	5.98
Yongfeng, Jiangxi	129	908173152	908074368	93.82	85.64	37.59	6306072	6093912	96.64	13.06	5.69
Yongfeng, Jiangxi	130	916406784	916297344	94.3	86.83	37.75	6363176	6132949	96.38	14.54	6.08
Yongfeng, Jiangxi	131	839722752	839635488	94.19	86.46	37.77	5830802	5618914	96.37	15.3	5.96
Ji'an, Jiangxi	132	748131264	748054080	93.88	85.62	37.9	5194820	5018950	96.61	13.1	5.6
Ji'an, Jiangxi	133	768765600	768688992	93.85	85	37.89	5338118	5159124	96.65	14.85	6.33
Ji'an, Jiangxi	134	855763200	855670176	94.47	87.12	37.72	5942154	5727672	96.39	15.05	6.28
Ji'an, Jiangxi	135	799601184	799524864	93.65	85.3	37.67	5552256	5343929	96.25	15.33	5.9
Ji'an, Jiangxi	136	744468480	744389856	94.12	86.27	37.78	5169374	4978559	96.31	14.81	6.18
Jishui, Jiangxi	137	621803520	621802656	96.09	90.26	38.93	4318074	4074987	94.37	10.53	4.95
Jishui, Jiangxi	138	668286720	668284704	95.68	89.34	38.22	4640866	4480725	96.55	10.24	5.18
Jishui, Jiangxi	139	668213280	668211840	95.9	89.79	38.86	4640360	4468148	96.29	10.96	5.02
Jishui, Jiangxi	140	787198464	787196736	95.88	89.73	39.08	5466644	5260779	96.23	10.02	4.97
Putian, Fujian	141	623426400	623369088	93.73	85.75	38.31	4328952	4165041	96.21	10.99	4.74
Putian, Fujian	142	808113024	808023744	94.73	87.99	38.05	5611276	5407554	96.37	10.24	5.05
Putian, Fujian	143	687200544	687137184	94.3	86.95	38.43	4771786	4585587	96.1	9.6	4.63
Putian, Fujian	144	666500832	666453888	93.73	85	38.07	4628152	4486487	96.94	9.55	4.66
Putian, Fujian	145	592768512	592704288	94.84	88.31	37.99	4116002	3954440	96.07	11.88	5.01
Pucheng, Fujian	146	916491168	916400160	96.71	91.46	38.86	6363890	6162160	96.83	12.82	6.28
Pucheng, Fujian	147	811873440	811774656	94.58	87.79	37.67	5637324	5426623	96.26	9.65	5.07

Pucheng, Fujian	148	835433280	835371072	94.98	88.31	37.54	5801188	5599650	96.53	10.47	5.01
Pucheng, Fujian	149	927803520	927729216	95.34	89	38.11	6442564	6219649	96.54	10.53	5.4
Pucheng, Fujian	150	619644960	619602912	95.62	89.54	38.01	4302798	4129526	95.97	15.57	6.96
Wuyishan, Fujian	151	689843520	689770656	96.56	91.23	38.56	4790074	4626163	96.58	8.72	4.85
Wuyishan, Fujian	152	848859264	848797632	95.46	89.25	38.45	5894428	5693264	96.59	9.87	4.88
Wuyishan, Fujian	153	873702432	873634176	95.53	89.46	38.17	6066904	5860316	96.59	10.42	5.17
Wuyishan, Fujian	154	978413184	978294816	96.92	92.06	39.13	6793714	6543996	96.32	12.58	6.14
Chun'an, Zhejiang	155	787988736	787925088	95.76	89.98	38.52	5471702	5272710	96.36	10.51	5.09
Chun'an, Zhejiang	156	741021120	740954016	95.14	88.64	38.7	5145514	4949910	96.2	9.98	4.68
Chun'an, Zhejiang	157	1741275072	1741275072	93.9	86.45	37.75	12092188	8887578	73.5	11.44	5.98
Chun'an, Zhejiang	158	856549152	856480032	95.5	89.32	38.63	5947778	5737092	96.46	11.02	5.31
Qingyuan, Zhejiang	159	1093144896	1093013280	96.91	92.16	38.83	7590370	7334505	96.63	11.94	6.22
Qingyuan, Zhejiang	160	782881344	782827488	95.47	89.23	39.14	5436302	5221105	96.04	10.81	5
Qingyuan, Zhejiang	161	962367264	962294400	95.14	88.49	37.91	6682600	6452436	96.56	10.74	5.24
Qingyuan, Zhejiang	162	790322112	790271136	94.85	87.9	38.03	5487994	5279700	96.2	10.1	4.77
Xiangshan, Zhejiang	163	706438368	706436064	95.59	89.16	38.89	4905806	4724141	96.3	9.97	4.94
Xiangshan, Zhejiang	164	750787776	750700512	94.93	88.4	37.94	5213198	5023755	96.37	11.33	5.11
Xiangshan, Zhejiang	165	725476032	725399712	94.96	88.52	38.14	5037498	4852700	96.33	10.81	5.04
Xiangshan, Zhejiang	166	712143648	712078272	94.73	87.98	38.41	4944988	4761425	96.29	12.25	5.44
Xiangshan, Zhejiang	167	704127744	704054304	93.94	86.19	38.76	4889266	4698673	96.1	11.6	5.15
Osaka, Japan	168	827506944	827504064	95.28	88.53	37.84	5746556	5530299	96.24	9.97	4.85
Osaka, Japan	169	754629408	754626816	95.62	89.13	38.61	5240464	5061287	96.58	8.49	4.63
Osaka, Japan	170	866410272	866406816	95.59	89.16	38.47	6016714	5788565	96.21	10.62	5.33
Osaka, Japan	171	841005504	841003776	95.27	88.42	38.77	5840304	5597080	95.84	9.61	5.09