Table S1. The mean value, standard deviation and Duncan's multiple comparison of 21 quantitative traits of *Elaeagnus angustifolia* from different populations.

Traits	DH	SZ	LZ	GZ	YC	MQ	GL	QLH	YJ	LX	Total
TH	5.44± 2.06^{c}	5.78± 1.63^{c}	5.01± 1.38^{c}	8.34± 0.87^{ab}	5.84± 0.97^{c}	6.38± 2.96^{bc}	5.2± 0.86^{c}	6.87± 2.27^{abc}	8.97± 3.29^{a}	5.68± 2.47^{c}	6.05± 2.24
CrD	449.05± 288.14^{ab}	342.75± 87.91^{b}	287.25± 54.68^{b}	591± 66.11^{a}	481.5± 205.15^{ab}	452.5± 120.18^{ab}	371.2± 78.71^{b}	376.43± 215.39^{b}	386.67± 265.02^{b}	492.22± 197.3^{ab}	417.66± 173.89
DBH	26.3± 15.98^{abc}	31.75± 6.76^{abc}	25.75± 6.86^{abc}	43.6± 6.58^{a}	25± 6.48^{abc}	41± 23.84^{ab}	18.75± 13.15^{bc}	24.71± 23.52^{abc}	33.67± 25.58^{abc}	15.78± 12.13^{c}	29.25± 17.8
UBH	134.9± 41.74^{b}	139± 105.4^{b}	108.13± 46.42^{b}	305.6± 146.27^{a}	112.25± 63.07^{b}	130.79± 43.16^{b}	74.25± 28.69^{b}	163.29± 155.85^{b}	182± 82.78^{b}	160.44± 37.52^{b}	146.72± 90.39
BA	48.43± 22.89^{a}	53.99± 15.14^{a}	43.86± 19.83^{a}	30.4± 7.26^{a}	40.18± 8.19^{a}	53.07± 25.64^{a}	37± 14.07^{a}	40.79± 26.28^{a}	43.93± 13.94^{a}	42.19± 13.25^{a}	45.39± 19.81
BN	2.9± 1.1^{a}	3± 0.93^{a}	2.75± 0.89^{a}	2.2± 0.45^{a}	2.5± 1^{a}	2.79± 1.05^{a}	3± 0.82^{a}	2.57± 0.79^{a}	3± 1^{a}	2.44± 0.73^{a}	2.72± 0.89
LL	42.89± 7.9^{ab}	32.93± 4.8^{cd}	41.72± 11.01^{abc}	43.26± 11.97^{ab}	42.61± 10.49^{ab}	38.4± 6.78a^{bcd}	39.66± 6.54^{abcd}	47.47± 9.6^{a}	32.1± 3.71^{d}	35.14± 6.26^{bcd}	39.52± 8.62
LW	16.74± 3.41^{ab}	13.85± 1.82^{bc}	17.28± 4.76^{ab}	18.08± 3.97^{ab}	19.32± 4.46^{a}	16.29± 4.08^{abc}	15.7± 2.29^{abc}	16.92± 3.12^{ab}	14.63± 1.1^{bc}	12.41± 1.84^{c}	15.99± 3.7
LTh	0.15± 0.02^{c}	0.15± 0.02^{c}	0.15± 0.03^{c}	0.16± 0.03^{bc}	0.16± 0.02^{bc}	0.17± 0.03^{bc}	0.19± 0.03^{ab}	0.15± 0.02^{c}	0.19± 0.01^{ab}	0.2± 0.01^{a}	0.17± 0.03
PL	10.03± 2.35^{abc}	8.67± 1.94^{c}	10.49± 2.51^{abc}	12.25± 3.02^{a}	11.93± 2.96^{ab}	9.62± 1.99b^{c}	8.48± 1.56^{c}	9.49± 1.58^{c}	8.64± 0.66^{c}	8.6± 0.89^{c}	9.66± 2.23
LSI	2.64± 0.45^{abc}	2.43± 0.34^{abc}	2.46± 0.41^{abc}	2.39± 0.21^{bc}	2.26± 0.33^{c}	2.46± 0.45^{abc}	2.61± 0.47^{abc}	2.88± 0.44^{ab}	2.23± 0.28^{c}	2.94± 0.^{6a}	2.55± 0.46
LA	669.78± 310.5^{ab}	384.32± 93.76^{d}	641.17± 235.46^{abc}	689.78± 321.66^{ab}	747.01± 350.8^{a}	453.88± 190.16^{bcd}	412.46± 96.33^{cd}	698.19± 244.67^{ab}	388.1± 50.19^{d}	343.84± 88.07^{d}	523.94± 245.87
ABL	10.47± 2.73^{bc}	8.39± 3.38^{cd}	13.27± 3.39^{ab}	13.92± 3.25^{a}	13.77± 2.86^{a}	9.97± 2.18^{c}	10.86± 1.5^{abc}	13.13± 3.05^{ab}	13.83± 2.53^{a}	6.37± 1.93^{d}	10.77± 3.41
NFC	9.64± 1.69ab	8.2± 1.14bc	9.4± 1.9ab	10.4± 0.55ab	10.6± 1.14ab	8.85± 2.52bc	10± 2.54ab	9.43± 2.3^{ab}	12± 2.65^{a}	6.56± 3.05^{c}	9.17± 2.38
RFB	1.02± 0.25^{a}	1.1± 0.28^{ab}	0.79± 0.27^{bc}	0.83± 0.25^{abc}	0.8± 0.16^{bc}	0.92± 0.25^{abc}	0.9± 0.15^{abc}	0.72± 0.11^{c}	0.9± 0.14^{abc}	0.98± 0.24^{abc}	0.91± 0.24
FD	8.59± 1.13^{c}	8.75± 0.65^{c}	10.26± 0.93^{ab}	9.83± 0.72^{ab}	9.58± 1.78^{bc}	9.44± 0.84^{bc}	10.11± 0.82^{ab}	10.73± 0.57^{a}	9.25± 0.84^{bc}	9.41± 0.44^{bc}	9.55± 1.05
CTL	4.18± 0.49^{bc}	4.26± 0.62^{bc}	4.77± 0.63^{ab}	3.95± 0.5^{c}	5.03± 0.37^{a}	4.31± 0.45^{bc}	4.56± 0.47^{ab}	4.44± 0.44^{bc}	4.2± 0.56^{bc}	4.66± 0.26^{ab}	4.43± 0.53
CTW	2.38± 0.31^{e}	2.31± 0.23^{e}	2.66± 0.27^{cde}	2.69± 0.29^{bcde}	3.51± 0.52^{a}	3.09± 0.73^{abcd}	3.22± 0.31^{ab}	3.16± 0.42^{abc}	2.55± 0.43^{de}	3.01± 0.29^{abcd}	2.86± 0.56
FSL	3.39± 0.95^{de}	3.52± 0.49^{de}	5.22± 1.96^{abc}	5.78± 1.15^{a}	5.55± 2.48^{ab}	3.89± 1.16^{cde}	4.37± 0.64^{bcd}	3.09± 0.62^{de}	2.88± 0.75^{e}	3.16± 0.91^{de}	4.02± 1.43
FCN	1.73± 0.65^{b}	1.5± 0.71^{b}	2.5± 0.85^{a}	1.8± 0.45^{ab}	1.8± 0.45^{ab}	1.6± 0.5^{b}	1.7± 0.48^{b}	1.57± 0.54^{b}	1.67± 0.58^{b}	2± 0.71^{ab}	1.78± 0.65
FNAL	3± 0^{a}	3± 0^{a}	3± 0^{a}	3± 0^{a}	3± 0^{a}	3± 0^{a}	3± 0^{a}	3± 0^{a}	3± 0^{a}	1.67± 1^{b}	2.87± 0.5

Phenotypic trait abbreviations are shown in Table 2. Different letters indicated that the same trait was significantly different among different populations ($p < 0.05$). Phenotypic traits are shown as mean ± standard deviation.