

Figure. S1 Veen

Species classification

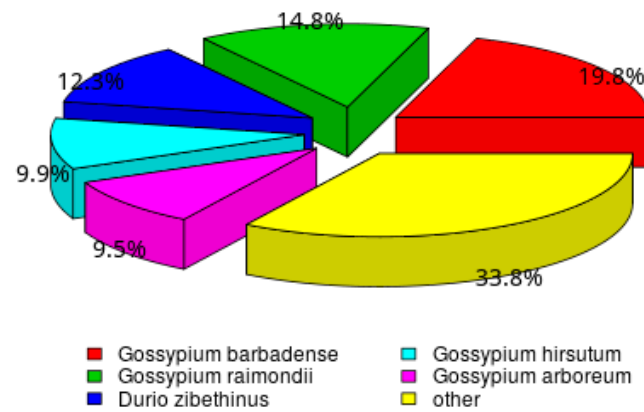


Figure. S2 Species distribution map of NR library ratio pairs of okra Unigene sequence

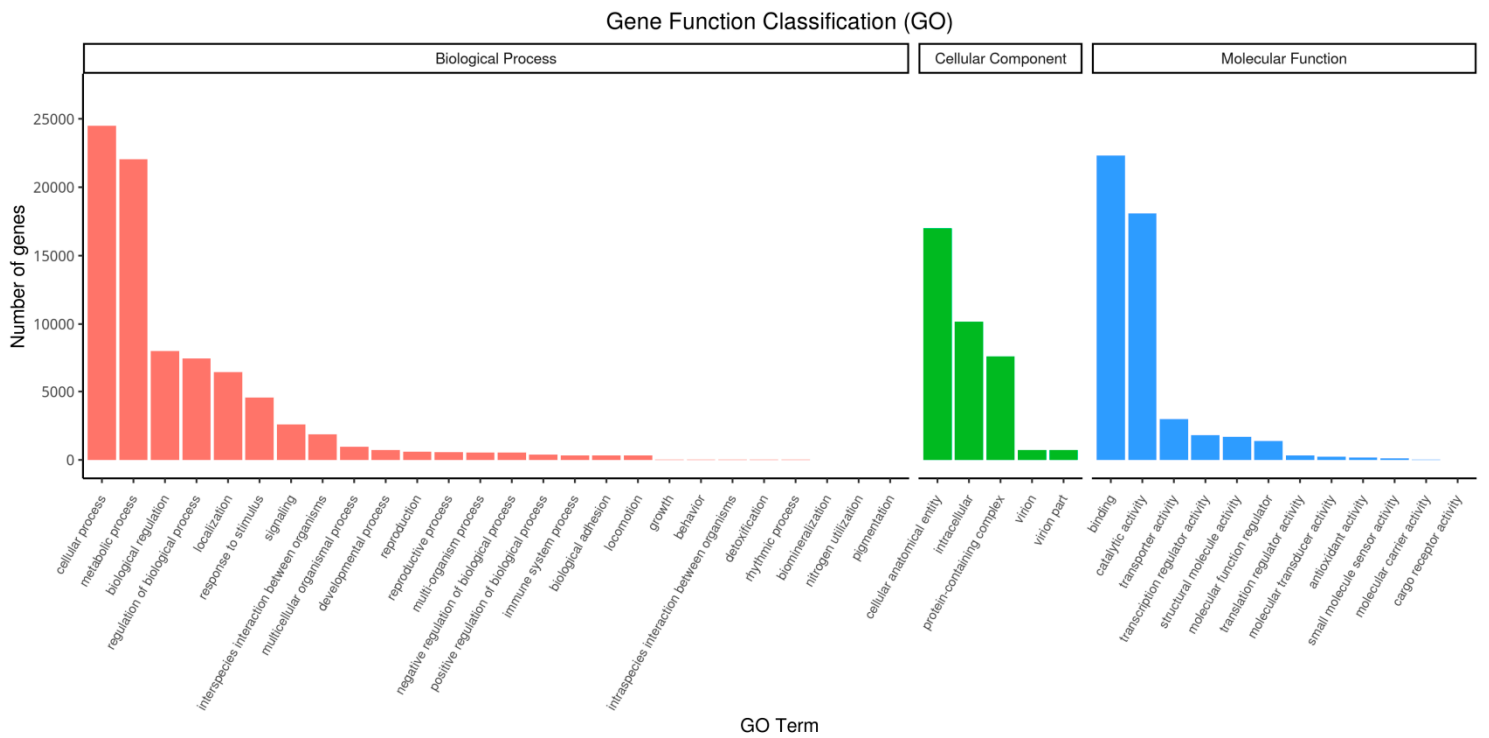


Figure. S3 GO annotation classification statistics of okra Unigene sequence

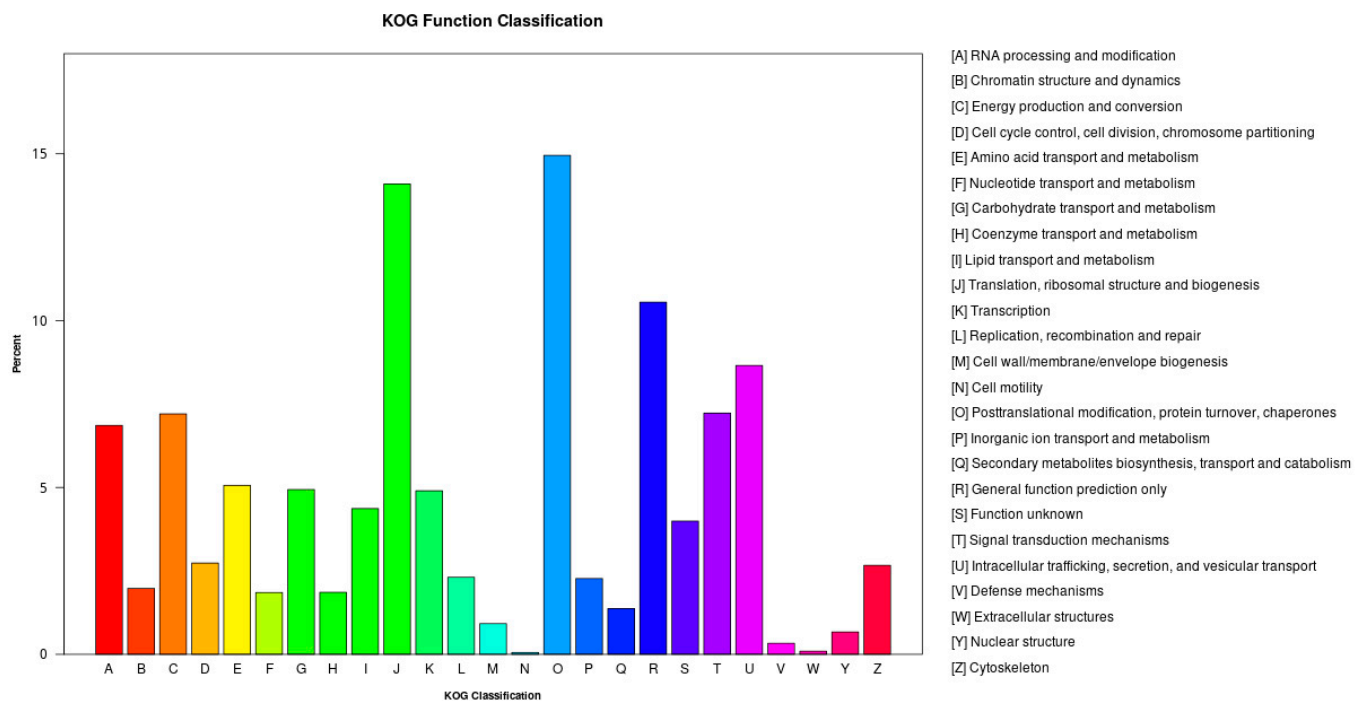


Figure. S4 KOG annotation classification statistical map of okra Unigene sequence

KEGG Classification

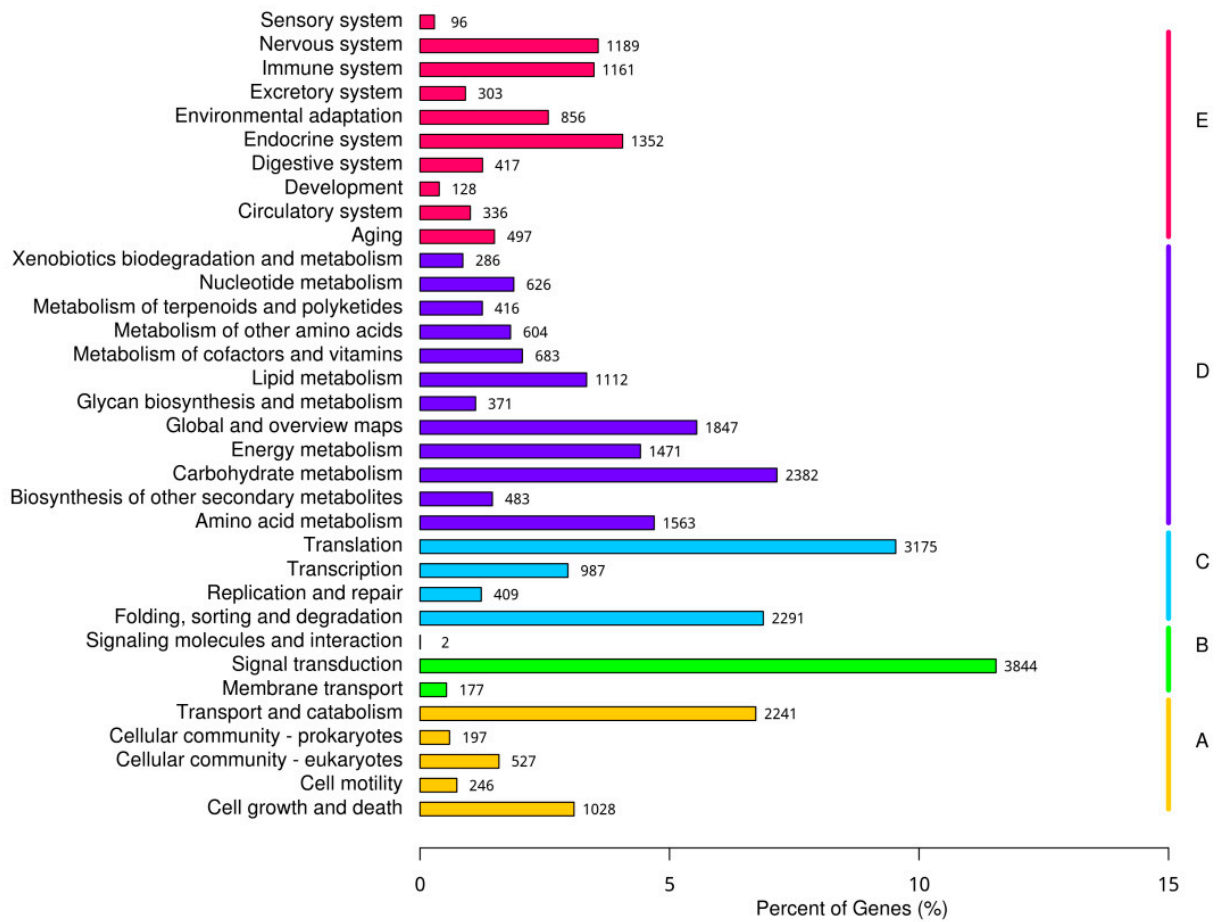


Figure. S5 KEGG metabolic pathway classification statistics of okra Unigene sequence

Table. S1 Summary of sequencing quality

Sample	Clean-reads	Clean-bases	Error rate	Q20	Q30	GC (%)
Control 1	19,271,851	5.8	0.03	97.65	93.25	43.82
Control 2	23,018,404	6.9	0.02	98.27	94.62	45
Control 3	20,932,939	6.3	0.03	97.47	92.9	44.31
OTEO 1	21,061,634	6.3	0.03	97.59	93.09	44.19
OTEO 2	20,252,807	6.1	0.03	97.46	92.83	44.3
OTEO 3	21,322,456	6.4	0.03	97.64	93.24	44.61

Table. S2 gene annotation results

Database Type	Unigenes	Proportion (%)
NR	67,765	70.24
NT	62,250	64.52
PFAM	42,365	43.91
GO	42,362	43.91
KOG	15,977	16.56