

Table S6 Statistical results of coding gene quantity prediction based on Ab initio, Homology-based and RNA-Seq

Method	Software	Species	Gene number
Ab initio	Augustus	-	47,208
	GlimmerHMM	-	42,954
	GeneID	-	49,378
	SNAP	-	43,212
	Latin Name	-	Number
Homology-based	GeMoMa	Arabidosis_thalia. TAIR10.genome.fa_0	23,672
		Oryza_sativa_Japonica.MSU_v7.0.genome.fa_1	23,233
		Rhododendron_delavayi_genome.fa_3	34,232
		V_corymbosum_genome_v1.0.fasta_2	55,334
RNA-seq	TransDecoder	-	105,139
	GeneMarkS-T	-	55,316
	PASA	-	36,356
Integration	EVM	-	36,756

Note: Method: strategy used for gene prediction; Software: software used for gene prediction; Specifications: species; Gene number: predicted gene number.