

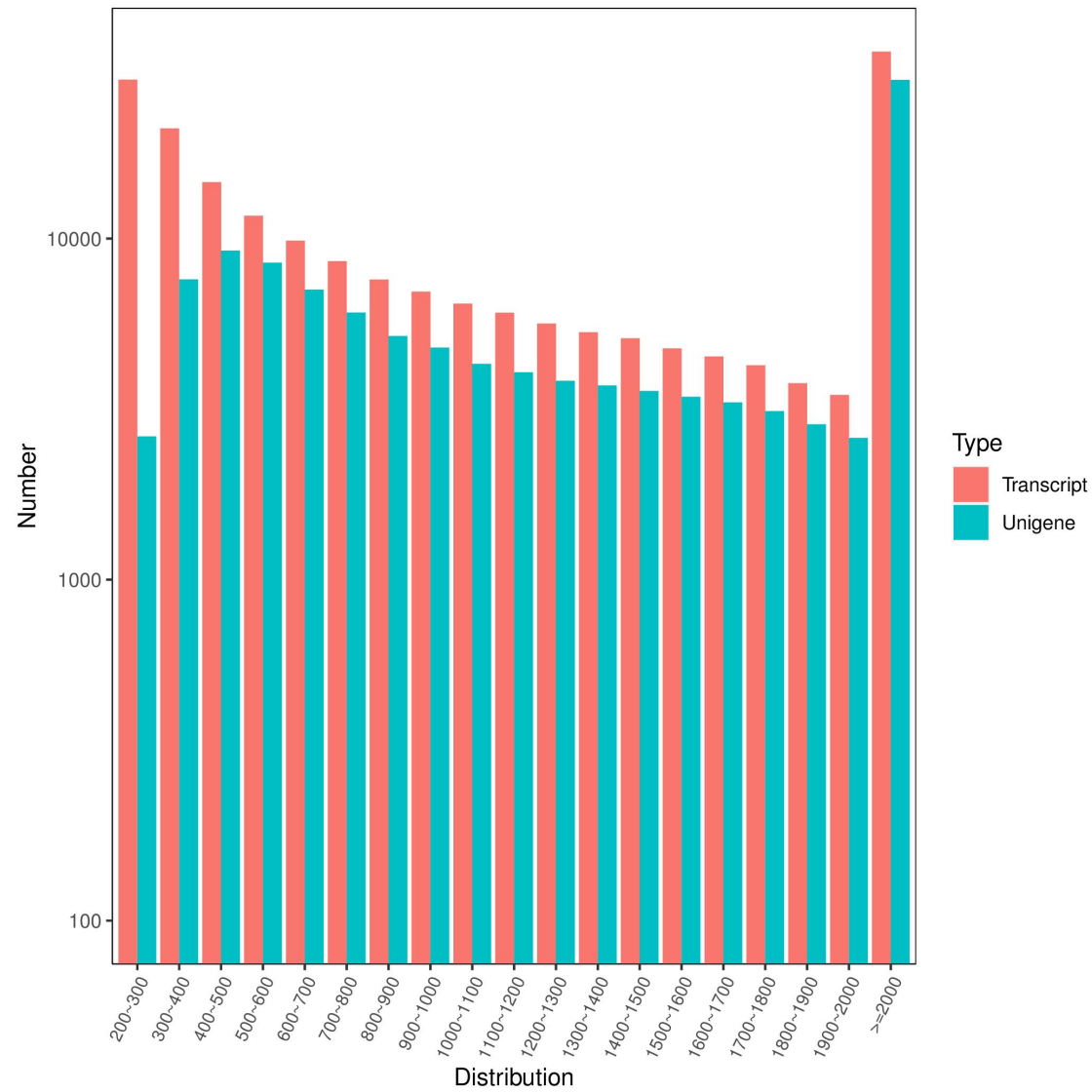


Figure S1A Sequence length distribution at four tissues

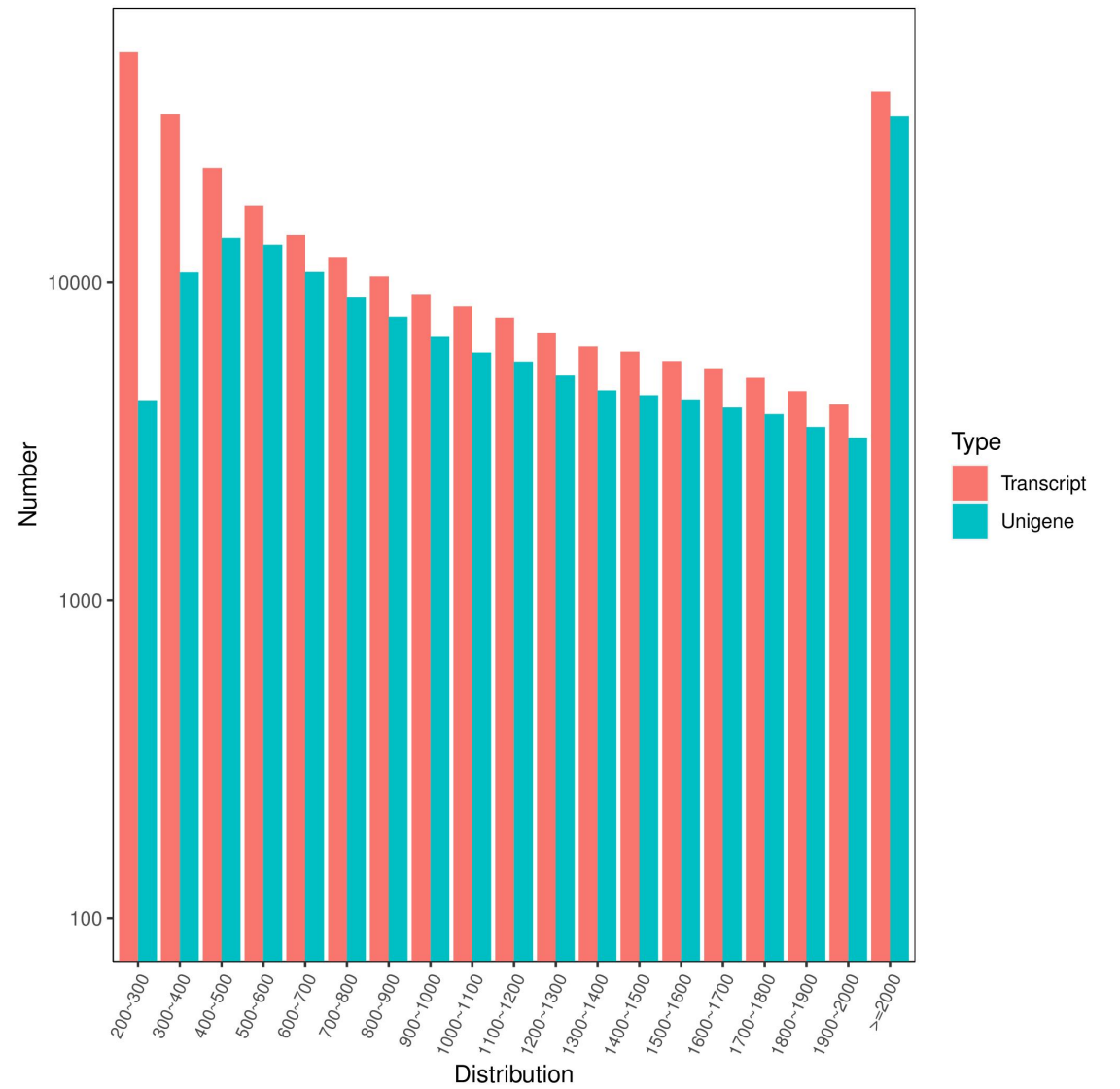


Figure S1B Sequence length distribution at five developmental stages

A

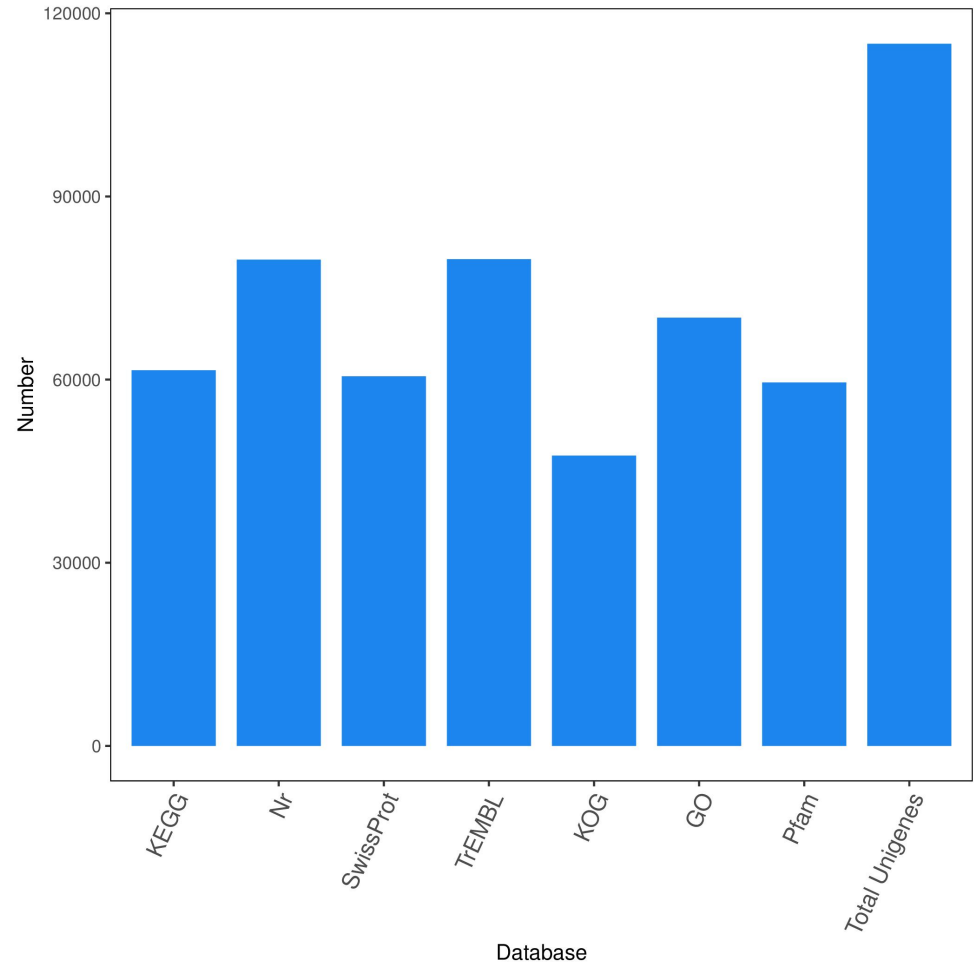


Figure S2A Unigene annotations at four tissues

B

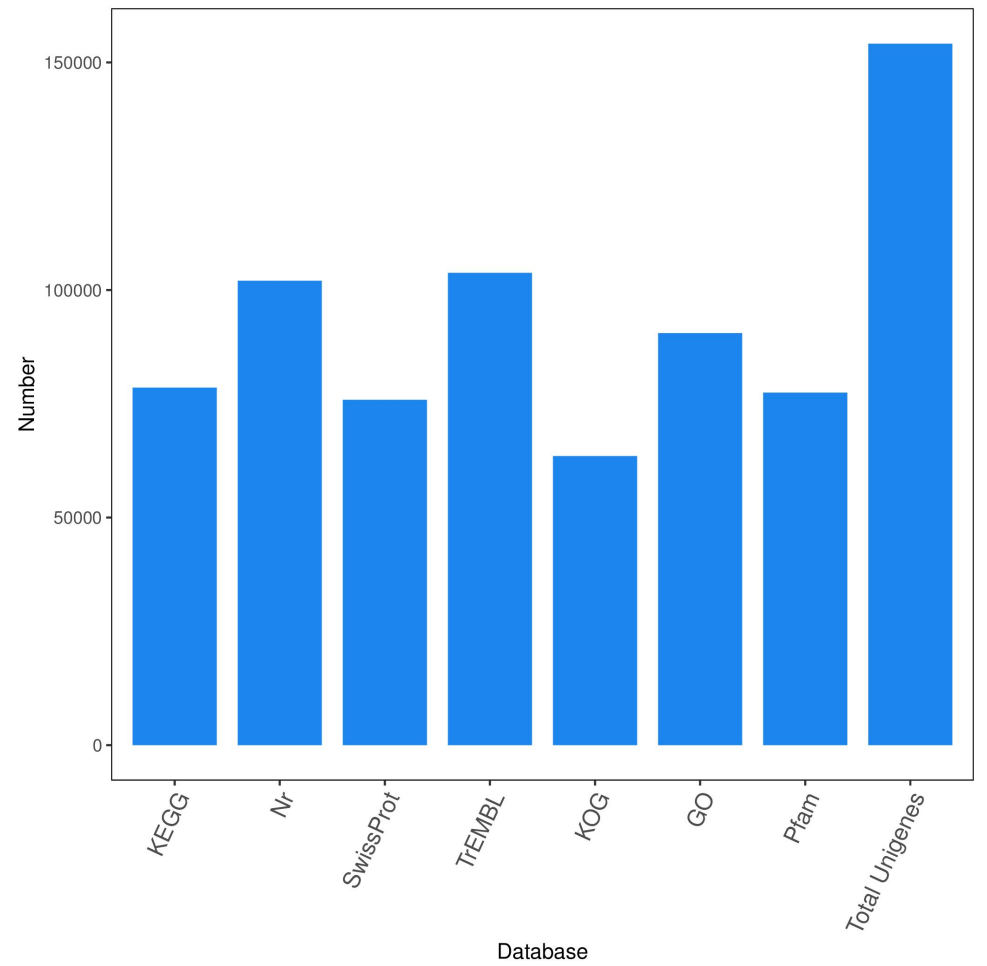


Figure S2B Unigene annotations at five developmental stages

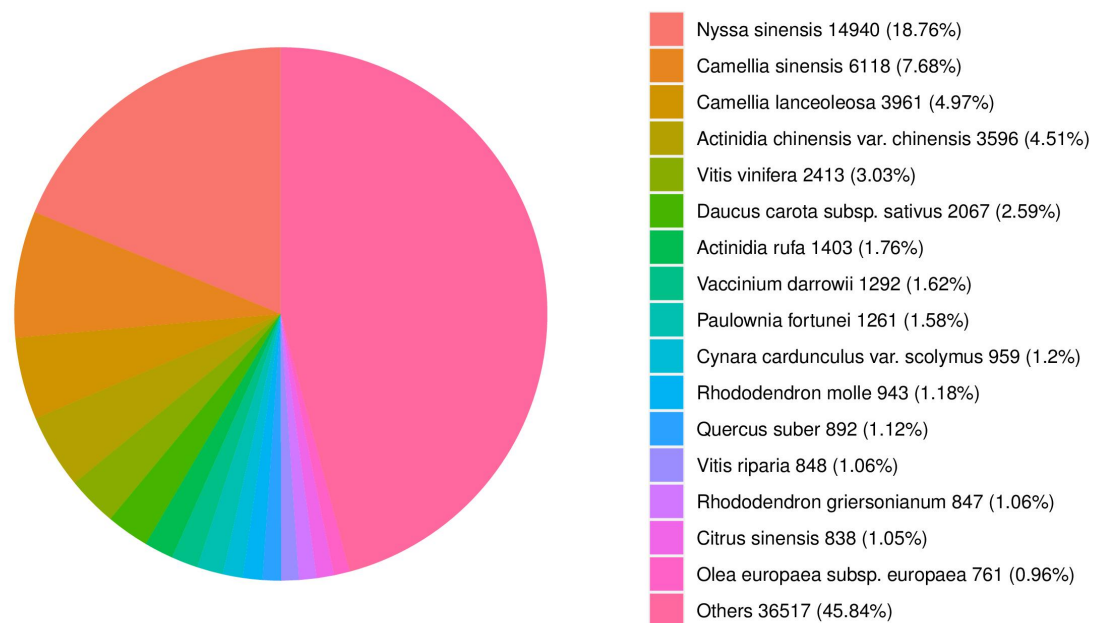


Figure S3A Species classification statistics based on NR database alignment at four tissues

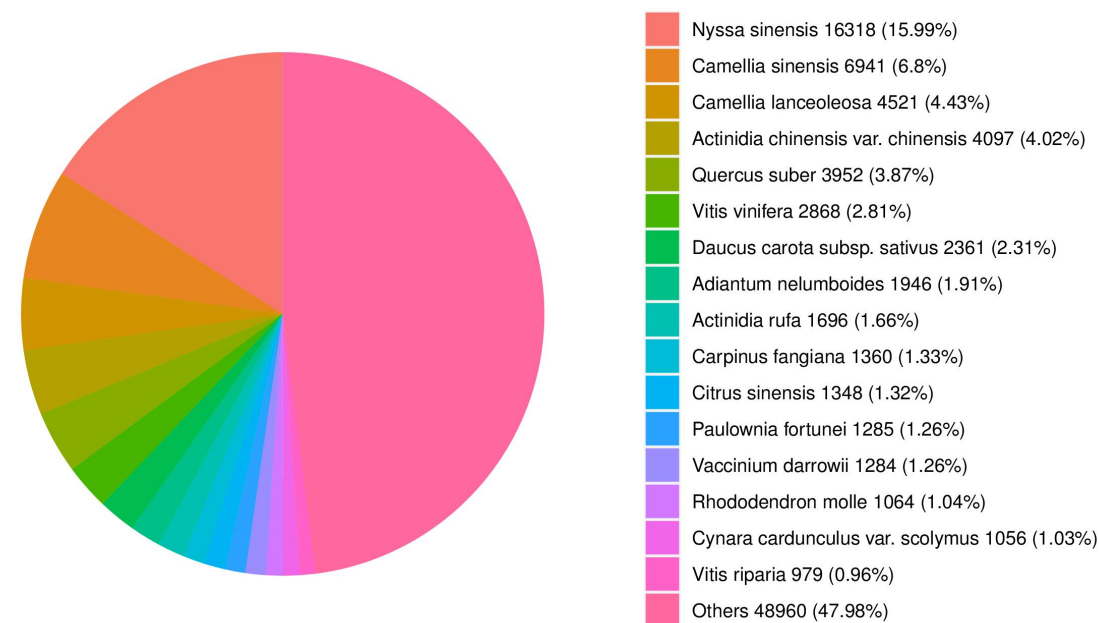


Figure S3B Species classification statistics based on NR database alignment at five developmental stages

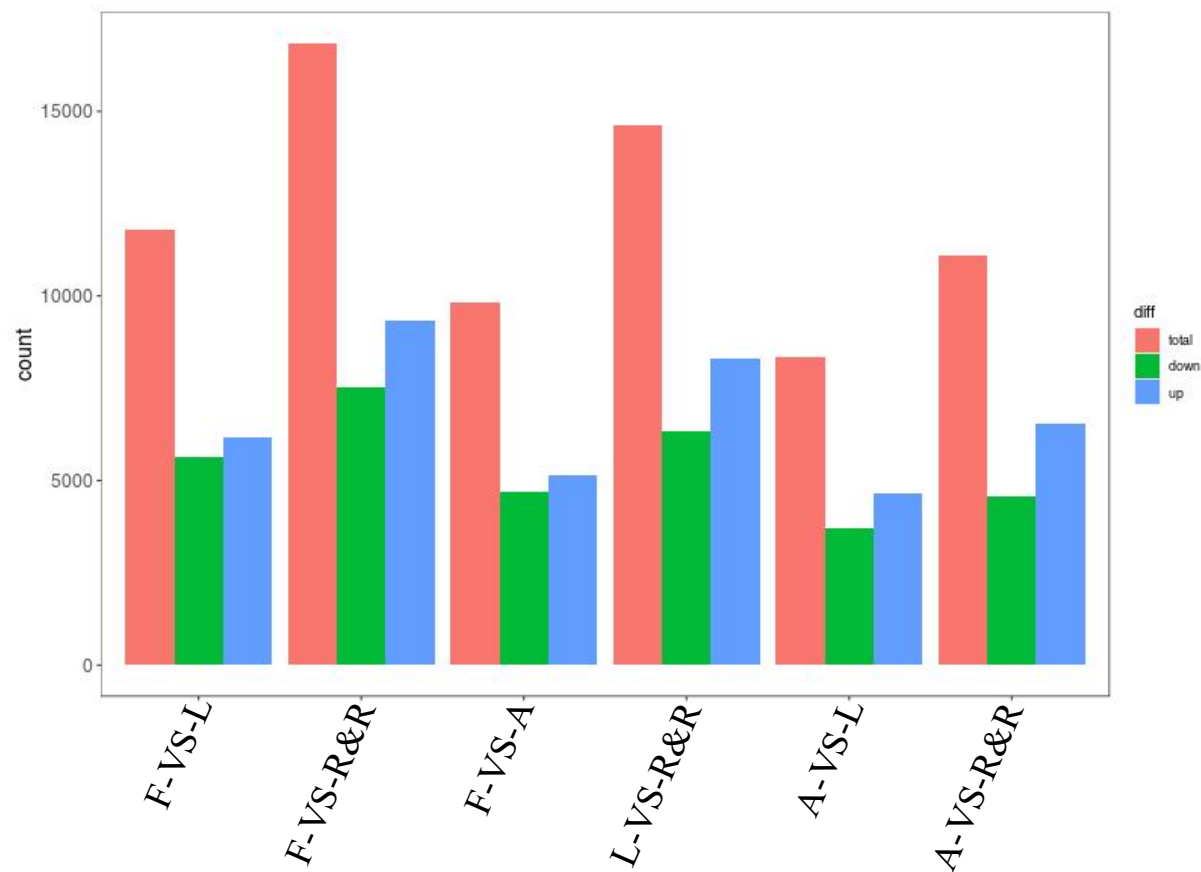


Figure S4A Differential gene counts in four tissues grouped by differences

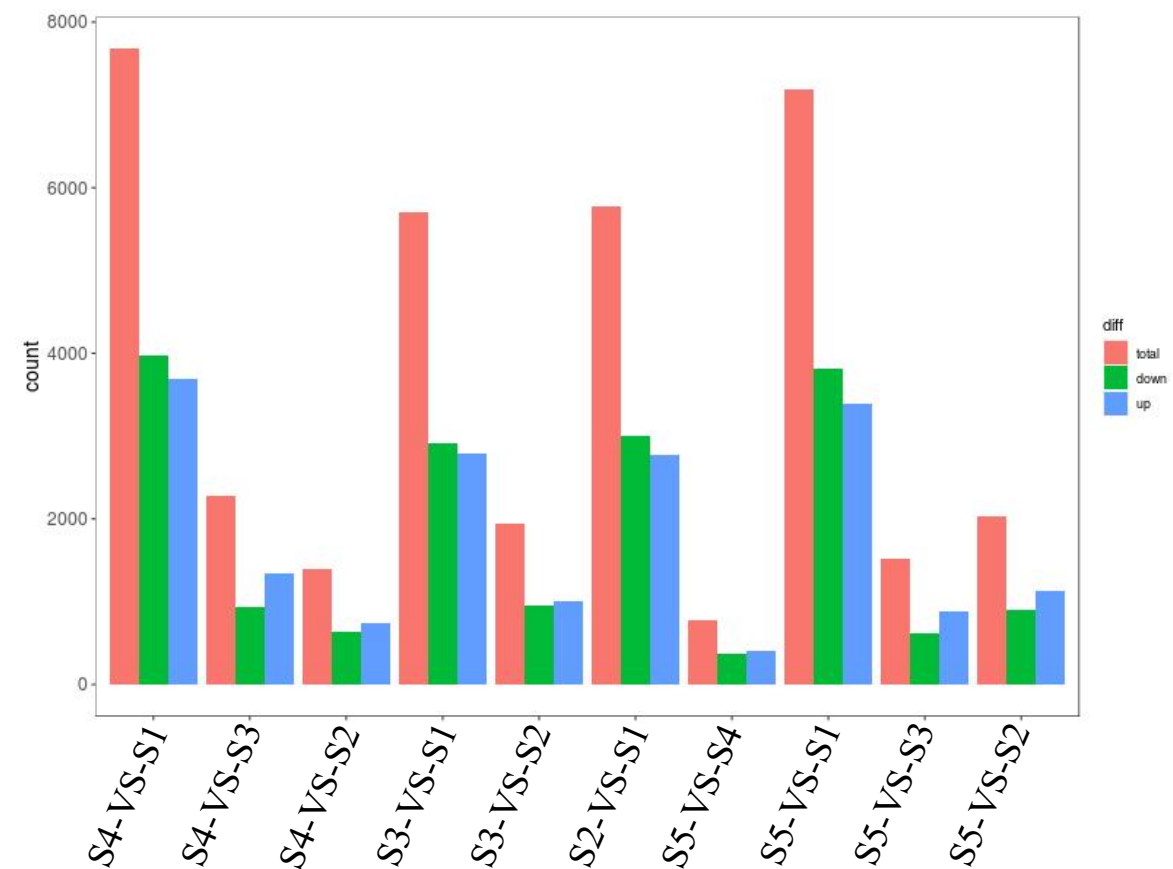


Figure S4B Differential gene counts in five developmental stages grouped by differences

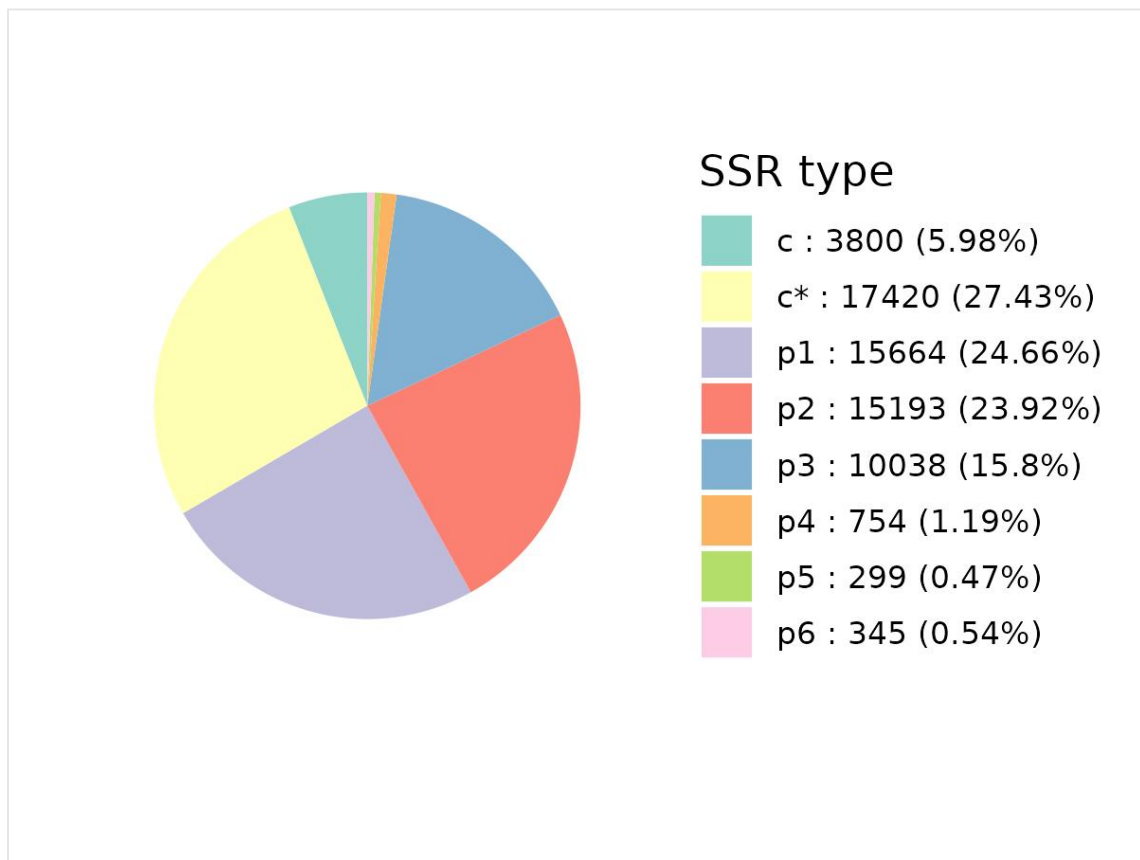


Figure S5A Unigene misa statistical graph at four tissues

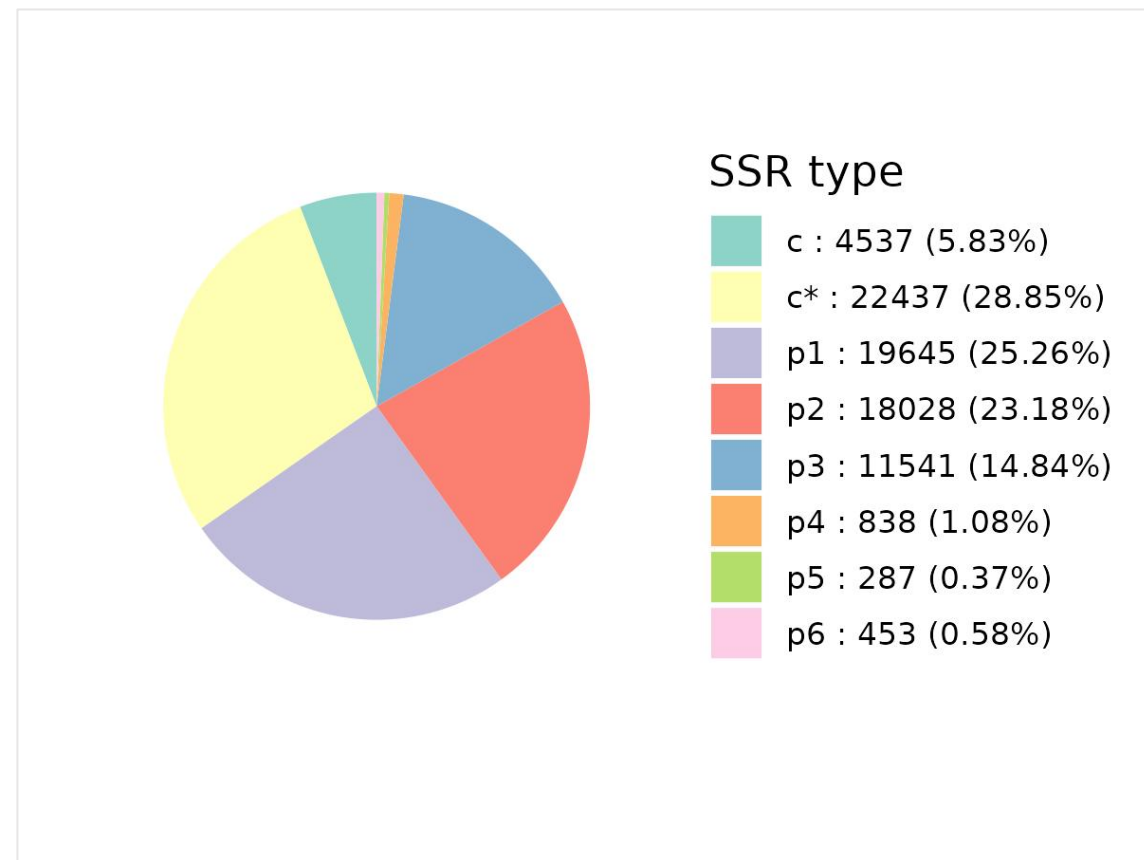


Figure S5B Unigene misa statistical graph at five developmental stages

Table S1 Information of TPS subfamily genes used for phylogenetic analysis in Fig. 3

Subfamily	Name	Accession No.	Species	Function/Product
TPS-b	FhLin	AFP23421.1	<i>Freesia hybrid cultivar</i>	linalool
TPS-b	SITPS38	AEP82768.1	<i>Solanum lycopersicum</i>	α -bergamotene
TPS-b	VvaTerP	NP_001268216.1	<i>Vitis vinifera</i>	(-)-alpha-terpineol
TPS-b	PcAFS1	AAT70237.1	<i>Pyrus communis</i> L.	(E,E)-a-farnesene
TPS-g	AmMyr	AAO41727.1	<i>Antirrhinum majus</i>	myrcene
TPS-g	AtTPS14	NP_176361.2	<i>Arabidopsis thaliana</i>	(3S)-linalool
TPS-g	GmNES	AEE92791.1	<i>Glycine max</i>	nerol
TPS-a	Cstps1	AAQ04608.1	<i>Citrus sinensis</i>	valencene
TPS-a	MdGDS-RG1	AGB14625.1	<i>Malus domestica</i>	germacrene-D
TPS-a	SITPS12	AEP82783.1	<i>Solanum lycopersicum</i>	β -caryophyllene and α -humulene
TPS-c	OsCyc2	BAD42452.1	<i>Oryza sativa</i>	ent-copalyl diphosphate
TPS-c	SITPS41	AEP82765.1	<i>Solanum lycopersicum</i>	Unknown
TPS-e/f	OsDTC2/KS8	XP_015617513.1	<i>Oryza sativa</i>	stemar-13-ene
TPS-e/f	LnTPS3	AKQ19359.1	<i>Laurus nobilis</i>	geranyllinalool
TPS-e/f	PdTPS	XP_017696375.1	<i>Phoenix dactylifera</i>	Unknown

Table S2 Primers of qRT-PCR used in Fig.5 and Fig.7

Gene name	F-primer(5'to3')	R-primer(5'to3')
<i>NjActin</i>	ATGGCGTGACTCATGTGGTT	ACAGTCTCAAAATCGGCGGT
<i>NjTPS-29</i>	GCCGAGATATCCAGGTGGTG	TCCTTCGGTTCTGGGAGGAT
<i>NjTPS-32</i>	GGGGTTACTACAGCTGGCTC	ACCCAAATCGTCCCACAGAC
<i>NjTPS-33</i>	GCCGAGATATCCAGGTGGTG	TCCTTCGGTTCTGGGAGGAT
<i>NjTPS-34</i>	AGCATGTGGTAAAGGCGTCA	AGCAGCGTTTCATCATGGGA
<i>NjTPS-35</i>	GGCATGGGAGTAAAGGCAGT	ACCCTATCGTCTGTGAGCCT
<i>NjTPS-36</i>	GGCATGGGAGTAAAGGCAGT	ACCCTATCGTCTGTGAGCCT
<i>NjTPS-49</i>	GCACTCCACCGCTCTATCTC	CCGTTTAGCTGCTCGGTACT
<i>NjTPS-51</i>	CCGTTTAGCTGCTCGGTACT	GCACTCCACCGCTCTATCTC
<i>NjTPS-54</i>	GGGGTTACTACAGCTGGCTC	ACCCAAATCGTCCCACAGTC
<i>NjTPS-56</i>	ACCCAAATCGTCCCACAGTC	GGGGTTACTACAGCTGGCTC
<i>NjTPS-57</i>	TGCTTTTTTGTGGACCGTTGG	AAGGACGCTCCATCCGTTTT
<i>NjTPS-59</i>	ATCTGCGAATCGCGTTTGTG	ATCCTCCCAGAACCGAAGGA