

Table S1: One-to-one orthologous relationships in *Populus euphratica*

Seq_1	Seq_2	Ka	Ks	Ka/Ks
PeuTF02G00789.1	PeuTF07G01031.1	0.113	1.335	0.085
PeuTF04G01353.1	PeuTF09G01080.1	0.025	0.420	0.059
PeuTF05G01129.1	PeuTF09G01080.1	0.112	1.665	0.067
PeuTF04G01353.1	PeuTF05G01129.1	0.109	1.520	0.072
PeuTF03G00118.1	PeuTF04G02065.1	0.043	0.295	0.147

Table S2: Primer sequences for qRT-PCR

Primer Name	Primer Sequences
<i>PeuTF05G01129.1</i> -F	GATAACCCCAGAGTGTCGCC
<i>PeuTF05G01129.1</i> -R	CATCCATTAGGTCAGCGGGA
<i>PeuTF04G01353.1</i> -F	ACAGTGGGGCCGGGAA
<i>PeuTF04G01353.1</i> -R	TATCCCTCATCAACCTGGCGA
<i>PeuTF09G01080.1</i> -F	ACCCGATCAACCAATGCAAA
<i>PeuTF09G01080.1</i> -R	TCTCCAAGTCCTCCATTTCGTC
<i>PeuTF03G00118.1</i> -F	AAATTCCCCCACCAGTATCGAG
<i>PeuTF03G00118.1</i> -R	AGCCTCTGCATCATCTTCCTT
<i>PeuTF03G00739.1</i> -F	TACTGCACTCGCAACCCAAA
<i>PeuTF03G00739.1</i> -R	GCCATCGTATTCCCTTGCGTG
<i>PeuTF05G01370.1</i> -F	GGAGGCAAGCAAACCTGTCT
<i>PeuTF05G01370.1</i> -R	CCGTAGTGGGATTTGCGATG
<i>PeuTF19G00050.1</i> -F	AGATGAGAACGTGGCAAGGG
<i>PeuTF19G00050.1</i> -R	ACCACCTGCAAAAAGATTGAGTT
<i>PeuTF07G01031.1</i> -F	TCGGATTTTGTAGCTGACCCT
<i>PeuTF07G01031.1</i> -R	GGAAGCTCCTCAAAAACCAGG
<i>PeActin</i> -F	GTCCTCTTCCAGCCATCTC
<i>PeActin</i> -R	TTCGGTCAGCAATACCAGG