

Supplementary Files

Table S1

Primer Name	Sequences (5'-3') Forward Primers	Reverse Primers
<i>Actin</i>	ACAGTGTCTGGATCGGTGGTTC	TGCCTCATCATACTCAGCCTTG
BnaC08g13520D	AGCAACGTTTCGTGAGGTTCT	AGCAACGTTTCGTGAGGTTCT
BnaC08g15170D	ACTTGGACACAGTCTCCAC	TGTCCCCATACTCTCTGGCT
BnaC05g06110D	TGCAATGTGGGCTGTCAATGA	GTTGGACCGGACAAACTTGC
BnaC08g13490D	TGCAATGTGGGCTGTCAATGA	GTTGGACCGGACAAACTTGC
BnaC08g13540D	AATCGACCGTGTCAATCCGAG	AGTCCACGGAACCTCTCTCCA
BnaA06g04860D	TGCAATGTGGGCTGTCAATGA	GTTGGACCGGACAAACTTGC
BnaC05g14120D	GTACGTGAGAGTAGGTGGCG	ACTTTAGCTCCTTCCACGCC
BnaC08g37290D	GGTCGAGGATGAGGAGGAGT	GCTTCGAAATGGGCGACTAC
BnaA06g12560D	GATCCAGAGCCAGCAATCGA	GCTAGAGACAGAGCACTCGC
BnaCnng04670D	TCCAGCCTCTTCCTCGATGA	GGCGAAGTAAACTTTCCGGC
BnaA07g02630D	GGTCCAGAGCAAAGCAGAGA	AGCCATTCCCCTCTTGACGG
BnaA05g27400D	AGCGAATCTTGCGAGATGGG	GGTGCCTTAGCGTCAGAGAG
BnaC03g74300D	AGCTTTGGGGTTTCCGGTAT	TCGAGCAAGGTGTACTGCAC
BnaC05g41520D	GGCGAATCTTGCAAGATGGG	GGTGCCTTAGCGTCAGAGAG
BnaA01g26740D	CGAAACAGGTATCGTGGCCT	TCAACTCCTCGAACGCGTAG
BnaA02g20300D	AGCCTAGTCTCAGTCGGAGG	AAGGCGGTTAAGCTGAGATCC
BnaA03g26740D	GTTGCAACGAACAAACCCGA	TTCATCCACTGCTTCGACCG
BnaC02g27820D	TGGGACAACCGAGAGATTGG	GCTTTTGCTGGATCATCTGCC
BnaC02g32490D	CGTCGACGGCAATGTTTTGA	CTCTTCTCTCCAACCGGTCC
BnaC02g32510D	GTTCTCGAGTTCTCTGCCGG	TACAGCAGCGCCAATGAAGA
BnaA06g40390D	TTACCGTTTGCTGCCTTTGC	GACTCGAACCTCCACATCCG
BnaC07g19290D	CGTTACCGTTTGCTGCCTTT	CGACTACCTCCACATCCGTC

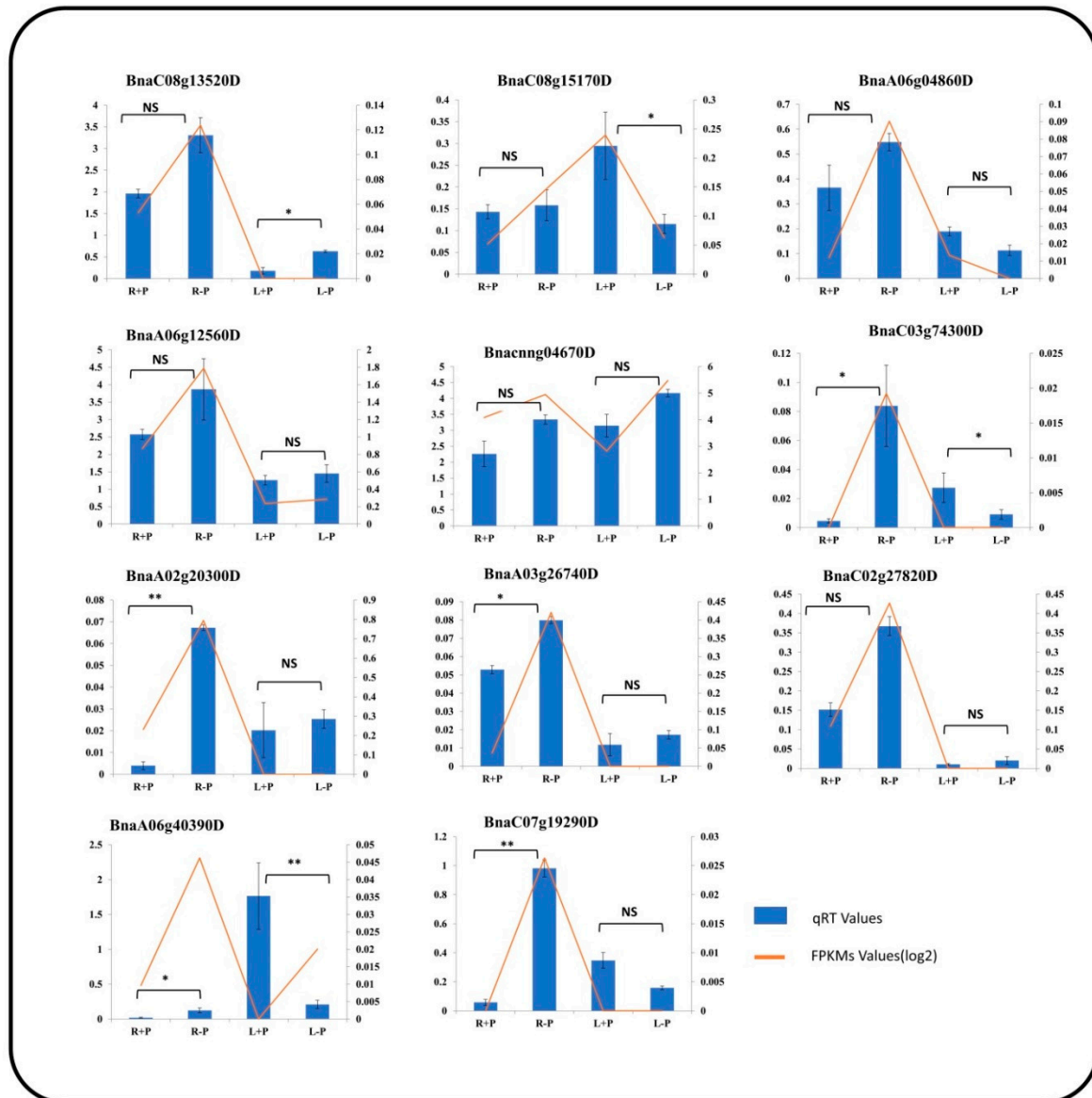


Figure S2. Expression patterns of the up-regulated BnaALMTs at a P sufficient supply and a P deficiency supply in Hoagland's solution. The same plants and samples were used for q-PCR measurements with three biological replicates. The relative expression of BnaALMTs in the Brassica napus root and leaf under contrasting P supplies was quantified by q-PCR; The bars represent q-PCR data while the line represents RNA-seq data. Student T-test was applied to treated and non-treated tissues (leaves and roots) to find out the statistical differences caused by phosphorous application in the tissues. ns= non-significant, *= significant at 0.05, ** = significant at 0.01 and *** = significant at 0.001. All primer sequences are listed in supplementary table S1.