

Supplementary file 1. Sequences and species of *PIP* genes used for designing PCR degenerated primers. These sequences were available on the *NCBI* (<http://www.ncbi.nlm.nih.gov/>)

Gene name	Accession numbers	Species	Type
<i>PIP1;1</i>	AT3G61430	<i>Arabidopsis thaliana</i>	<i>PIP1</i>
<i>PIP1;2</i>	AT2G45960	<i>Arabidopsis thaliana</i>	<i>PIP1</i>
<i>PIP1;3</i>	AT1G01620	<i>Arabidopsis thaliana</i>	<i>PIP1</i>
<i>PIP1;4</i>	AT4G00430	<i>Arabidopsis thaliana</i>	<i>PIP1</i>
<i>PIP1;5</i>	AT4G23400	<i>Arabidopsis thaliana</i>	<i>PIP1</i>
<i>PIP1;2</i>	HQ333245	<i>Brassica oleracea</i>	<i>PIP1</i>
<i>PIP1;4</i>	HQ333247	<i>Brassica oleracea</i>	<i>PIP1</i>
<i>PAQ1b</i>	AB030695	<i>Raphanus sativus</i>	<i>PIP1</i>
<i>PIP1;2</i>	AF131201	<i>Zea mays</i>	<i>PIP1</i>
<i>PIP1;3</i>	EF364434	<i>Vitis vinifera</i>	<i>PIP1</i>
<i>PIP2;1</i>	AT3G53420	<i>Arabidopsis thaliana</i>	<i>PIP2</i>
<i>PIP2;2</i>	AT2G37170	<i>Arabidopsis thaliana</i>	<i>PIP2</i>
<i>PIP2;3</i>	AT2G37180	<i>Arabidopsis thaliana</i>	<i>PIP2</i>
<i>PIP2;4</i>	AT5G60660	<i>Arabidopsis thaliana</i>	<i>PIP2</i>
<i>PIP2;5</i>	AT3G54820	<i>Arabidopsis thaliana</i>	<i>PIP2</i>
<i>PIP2;6</i>	AT2G39010	<i>Arabidopsis thaliana</i>	<i>PIP2</i>
<i>PIP2;7</i>	AT4G35100	<i>Arabidopsis thaliana</i>	<i>PIP2</i>
<i>PIP2;8</i>	AT2G16850	<i>Arabidopsis thaliana</i>	<i>PIP2</i>
<i>PIP1</i>	AF118382	<i>Brassica napus</i>	<i>PIP2</i>
<i>PIP2</i>	AF118383.1	<i>Brassica napus</i>	<i>PIP2</i>
<i>PAQ2b</i>	AB030697	<i>Raphanus sativus</i>	<i>PIP2</i>
<i>PIP2c</i>	NM_001111555	<i>Zea mays</i>	<i>PIP2</i>
<i>PIP2;3</i>	EF364437	<i>Vitis vinifera</i>	<i>PIP2</i>

Coding sequence (CDS) of *PIP* genes

Arabidopsis thaliana PIP1;1, CDS:184..1044

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181 atggaag gcaaggaaga agacgttaga gttggagcta acaagttccc ggagagacaa
241 ccaatcgga ccatcagctca gactgacaag gactacaagg aaccaccacc agctccgttt
301 ttggaacctg gtgagctttc tcatgtgtct tttggagag ctgggatcgc tgaagtcac
361 gctacttttc tctttctcta catcactgtc ttgactgtta tgggagtgaa aaggtcaccc
421 aacatgtgtg cttccgtcgg aatccaagga atcgcttggg cttcggtgg tatgatattt
481 gccttagtct actgtaccgc tggatctccc ggtggacaca tcaaccagc ggttactttt
541 ggtctgttct tagcccgga gctgtcgtt actagagctc tgtactacat agtgatgcag
601 tgcttgggag ctatctgtgg tgctggagtg gttaaagggt tccagcctaa gcaataccag
661 gctctaggag gaggagctaa cactgtggct catggttaca ccaagggaag tggctttgga
721 gctgagatca ttggcacatt cgttctgtta tacacagtct tctcagcaac tgacgccaag
781 agaaatgctc gtgactctca tgccttatt ctgcaccac tccaatcgg gtttgcggtt
841 ttcttggttc acttggaac catccaatc actggcacag gcatcaacc agctagaagc
901 ctggagctg caatcatcta caacaagac cattctggg atgaccactg ggtgttttgg

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961 gttggcccct tcattggagc tgcacttgc tctcttacc atgtgggtgt catcagagcc
1021 atccccttca agtcagaag ctaa

Arabidopsis thaliana PIP1;2, CDS:156..1016

121 atgga aggtaaagaa gaagatgta
181 gagtcggagc taacaagttt ccggagaggg aaccgatcgg aactcggct cagagtga
241 aggactacaa agagccacca cctgcgccgt tgttcgagcc cggcgagcta gcttcatgt
301 cctctggag agctgggatt gctgagtta tagctacgtt ttgttcctg tacatcactg
361 ttttactgt tatgggtgtg aagaggtcac cgaacatgtg tgcctccgtc ggaatccaag
421 gtatcgcttg ggcttcgggt ggtatgatct tcgctcctg ctactgcacc gctggtatct
481 ccgggtggaca catcaacca gcggttacgt tcggtttgtt cttagctagg aagctttcgc
541 tcacacgagc tgtgtactac atagtgtgc agtgcttagg agctatctgt ggagctgggtg
601 tggctcaagg gttccagcca aagcaatacc aggcttggg aggtggagcc aacaccatag
661 ctcatggcta caccaaagga agtggtcttg gagctgagat tattggaacc ttgtccttg
721 ttacaccgt cttctctgcc actgatgcca agagaaacgc tcgtgactct catgttcta
781 tttagcacc gctccctatc ggattcgctg tgttcttgt tcaactagca accatcccca
841 ttactggaac tggatcaac ccagcaagaa gtcttgagc tgcaatcgc ttcaacaagg
901 acaacgcttg ggaatgaccac tgggtctttt gggttgagcc attcattggt gctgcacttg
961 ctgctctcta ccacgttata gtcacagag ccacccatt caagtcaga agctaa

Arabidopsis thaliana PIP1;3, CDS:127..987

121 atgg aagggaaga agaggatgtt cgagtgggag ctaacaagtt cccggagagg
181 caaccgatag gtacatcggc tcagacggac aaagactaca aggagccacc accagctcca
241 ttttcgagc caggcgagct gagtctgtg tcctctaca gagccggaat cggcgagtc
301 atagccacct tcctgtttct atacataaca gtattgacag tgatgggagt gaagagagca
361 ccaaacatgt gtgcctctgt tggaaacca ggcatgctt gggtcttcgg tggcatgatc
421 ttgcccttg tctactgtac tgcgtgaatc tctgtgggc acataaacc agcgtgaca
481 ttgtgtctgt tctggctcg taagctgtca ttgacgagag ctgtcttta catcgtgatg
541 caatgtctg gagccatctg cggcgccgga gttgtcaaag gctccagcc aaatccttac
601 caaactctg gcggaggagc caacacagtc gtcacggct acactaaggg ctctggttg
661 ggtgctgaga taatcggaac ctctgctctt gtctacaggg tcttctccg cactgacgc
721 aagagaagcg ctctgtactc ccacgtccg atttggcac cactccaat cggattcgt
781 gtgtcttg ttcacttggc gacgatcca atcaccgaa caggaaataa ccagctagg
841 agtcttggag ctgcaatcat ctacaacaag gaccacgctt gggacgacca ctggatattc
901 tgggtcggc cattcattgg agcagctctt gcggctctt accaccaact tgcacaga
961 gccattccat tcaagtcag atcctga

Arabidopsis thaliana PIP1;4, CDS:97..150

61 atgg aaggcaaaga agaagatga
121 cgagtgggag ctaacaagtt cccggagagg caaccatcg gtacatcggc tcagtccacc
181 gacaaggact acaagagcc acctctcgc cactgttcg agccggcgca gtcagctca
241 tggctttct acagagccgg aatagctgag ttatcgcta ctttctgtt tctctacatc
301 actgtttga ctgtaattgg agttaagaga gcacaaaca tgtgtcttc tgttgaatc
361 caaggtatcg cttgggcttt tgggtgcatg atcttgcctc ttgtactg tactgctgga

421 atttcagggtg gacacatcaa ccctgctgta acattcggtc tgttcttggc tcggaagtta
 481 tctctgacca gagcagtgtt ctacatgatt atgcaatgtc ttggagccat ctgtgtgtgcc
 541 ggagtcgtca aagggttcca gccaacgccg taccagactc tcgggtgtgg tgctaacacc
 601 gttgtcatg gctacaccaa aggttctggc ctgggtgctg aaatcatcgg aacattcgtt
 661 ctctgtaca ctgtcttctc cgccaccgac gccaaagaaa gcgcccgtga ctcacacgtc
 721 ccgattttgg cgccgctccc aatcgggatt gcagtgttct tggtagactt ggcaacaata
 781 ccgataccg ggaccggaat caaccagct agaagtcttg gagccgcaat tatctacaac
 841 aaggaccact ctgggatga ccattggatt ttctgggttg gaccattcat tggagcagct
 901 ctgacgacac tatacacca gattgtcatc agagcgattc cttcaagag caagagttag

Arabidopsis thaliana PIP1;5, CDS:50..913

1 a tggaaaggcaa
 61 agaagaagac gtcaatgttg gagccaacaa gttccagag agacagccga tcggtacggc
 121 ggctcagacg gagagcaagg actataagga accaccaccg gcgccgtttt tcgaaccggg
 181 cgagctcaaa tcttggctt tctacagagc agggatagct gagttcatag ccactttcct
 241 ttctcttac gtcaccgttt tgacagtcat ggggtttaag agagctcca atatgtgtgc
 301 ctctgttga atccaaggca tcgcttgggc ttttgggtgc atgatcttg ctctgttga
 361 ctgtactgct ggaatctcag gaggacatat taatccggcg gtgacttttg gtttgttctt
 421 ggcgaggaag ctatctttaa ccagagctct gtctacata gtaatgcagt gccttgagc
 481 tatatgtgtg gctgtgtgg taaagggtt tcaaccaggc ctgtaccaga cgaatggcgg
 541 tggagctaat gtgtgtgctc atggttacac aaagggttca ggtctgttg cagagattgt
 601 tggaaacttt gttctgttt acactgttt ctagctact gatgctaaga gaagtgccag
 661 agactctcat gtcctatct tggctcgcct tccaattggg ttgtgtctct tcttgggtga
 721 ctggctacc atccaatta ctggaactgg cattaacccg gccaggagtc tcggagctgc
 781 catcatctac aacaaggatc atgcttggga tgaccattgg atcttctggg tcggtccatt
 841 cattgtgtct gcgctgtctg ctctgtacca tcagatagtc atcagagcta ttctttcaa
 901 gtccaagaca taa

Brassica oleracea PIP1;2, CDS:1..842

1 gaaggcaagg aagaagatgt tagagtcgga gctaacaagt ttccggagag acagccgac
 61 ggaacatcgg ctacagcgca caaggactac aaggagccac ctctgtctcc cttgttcgag
 121 ccaggcgagc ttgcttctg gtccttctgg agagccggtg tcgccgagtt catcgccacg
 181 ttctgttcc tatacatcac cgtgttgacc gtcattggcg tgaagaggcg accgaacatg
 241 tgtgcctctg tgggaatcca aggtatcgt tgggcttctg gtggtatgat ctctgctctc
 301 gtctactgca ccgctgggtat ctccgggtga cacatcaacc cagctgtcac gttcgggtctt
 361 ttcttgacca ggaagcttct gcttacacga gctgtgtact acatagtgt gcagtgttta
 421 ggagcgatct gtggagctgg tgtgtcaag gggccaac ctaagcaata ccaagctcta
 481 ggaggtggag ccaacactgt agctcctggt tacacaaaag ggagtgtct cggagctgag
 541 attattgaa cttttgtct tgtttacacc gtattttcc cactgacgc caagagaac
 601 gctcgtgact ctcatgtcc cattttgca cctctacctc tcggattcgc tgtgttctg
 661 gtccacttag caaccatccc cattactgga actggaatca accagcaag gactcttga
 721 gctgccatca tcttaacaa ggacaacgct tgggatgacc attgggtctt ttgggttga
 781 ccattatcgc gtctgcgct tctgtctctt taccagtgta tagtcatcag agccattcca
 841 tt

Brassica oleracea PIP1;4, CDS:1..843

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1 ggaaggcaag gaagaagatg ttagagtcgg agctaacaag ttccggaga gacagccgat
61 cggaacatcg gctcagagcg acaaggacta caaggagcca cctcctgctc cttgttctga
121 gcccggcgag cttgcttcgt ggtccttctg gagagcagga atcgccgagt tcatcgccac
181 gtttctgttc ctttacatca ctgttttgac cgtcatgggt gtgaagaggt cgccgaacat
241 gtgtcttctt gtcggaatcc aaggcatcgc ttgggctttc ggtggtatga tattcgtctt
301 cgtctactgc accgctggta tctccggtag acacatcaac cctgccgtca cgttcggtct
361 gttcttgccg cggaagcttt cgctgacacg agctgtgtac tacatagtga tgcagtgtct
421 aggagctatc tgtggggctg gtgtgggtcaa ggggttccaa ccaaagcagt accaagctct
481 tggagggtga gccaacactg tagctcatgg ttacaccaa ggaagtggtc tgggagctga
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601 cgctcgtgac tctcatgttc cgattcttgc acctctccct attggattcg ctgtgttctt
661 ggtccacttg gcaaccatcc ccatcactgg aactggaatc aaccagcaa gaagtcttgg
721 tctgccatc atctcaaca aggacaacgc ttgggatgac cattgggtct tctgggttgg
781 accattcatc ggtgctgac ttgtgctct gtaccacgtg atcgatca gagccatccc
841 att
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Raphanus sativus PAQ1b, CDS:22..882

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1 atggaaggc aaggaagaag atgttagagt cggagccaac
61 aagtttccg agagacaacc gatcggaaac tcggctcaga gcgacaagga ctacaaggag
121 ccacctctg cggccttgtt cgagcccggc gagcttgctt cgtggtcctt ctggagagcc
181 gggatcgctg agttcatcgc cacgttctg ttctttaca tctgtttt aaccgtcatg
241 ggagtcaaga ggtcaccgaa catgtgtgct tctgtcggaa tccaagggat cgcttgggtc
301 ttgggtgga tgatcttcgc tctcgtctac tgcaccgctg gtatctccgg tggacacatc
361 aaccagctg tcagttcgg tctgttctg gccagggaagc ttctgctcac acgagctgtg
421 tactacatag tgatgcagtg cttaggagcc atctgtggag ctggtgtggt caagggattc
481 caaccaagc agtaccaagc tctaggaggt ggagccaaca ctgtagctcc tggttacact
541 aaaggaagtg gtctcggagc tgagattatt ggaactttt tcttgttta caccgtctc
601 tccgccactg acgccaagag gaacgctcgt gactctcatg ttccattct tgcacctctc
661 cctatcggtt tcgtgtgtt ctgtgtccac ttagcaacca tccccatcac tggtagtggc
721 atcaaccag caaggagtct tggagctgca atcatctca acaaggacaa cgcttgggac
781 gaccattggg tgtttgggt tggaccattc atcgtgctg cactgtctgc tctttaccac
841 gtgattgtca tcagagccat cccattcaag tccagaagct ga
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Zea mays plasma membrane PIP1;2, CDS:61..930

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61 atggagggga aagaggagga cgtgcgcctg ggcgccaaca agttctcga gcgccagccc
121 atcgggacgg cggcgcaggg cggcgtgac gacaaggact acaaggagcc cccgcccggc
181 ccgtgttctg agcccgggga gctcaagtc ttgtccttct accgcgcggg catgcccgag
241 ttctgcga cctctctt cctctacatc accatctca ccgtcatggg cgtctccaag
301 tccactcca agtgcgccac cgtcggcatc cagggcacg cctgtctt cggaggaatg
361 atcttcgcgc tcgtctactg caccgccggc atctccggag gacacatcaa cccagctgtg
421 actttcgggc tgttcttagc caggaagctg tccctgacta gggcctctt ctacatcatc
481 atgcaatgcc tgggtgccgt ctgtggagct ggagtgtga agggcttcca gcagggaact
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541 tacatgggca acggtggtgg cgccaatgtt gtcgcacctg gctacaccaa gggatgatggc
 601 ctggcgctg agattgttgg caccctcatc ctagtctaca ccgtctctc agccaccgat
 661 gccaaagga atgccaggga ctcccatgtt cctatccttg cccactgcc aattgggttc
 721 gcggtgttcc tggccacct tggcaccatc cccattactg gactggcat caaccagct
 781 aggagccttg gcgctgcat catctacaac agggatcacg cctggaacga ccattggatc
 841 ttctgggtcg gccccctcat tggcgctgcc ctggctgcca tctaccacca ggtgatcatc
 901 agagccatcc cgttcaagag caggtcttaa

Vitis vinifera PIP1;3, CDS:52..915

1 atggagggg
 61 aaggaagagg atgttaagct tggagccaac aagttcacag agaggcagcc gttgggcaca
 121 gctgctcaga cggacaagga ctacaaggat ctaccaccag cacccttgtt tgagcccggg
 181 gagtgaagt catggtcttt ttacagagcc gggattgctg agttcatggc cacttctctg
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 301 agtgttgga ttcaggggat tgcttgggct ttggtggta tgatcttgc ccttctctac
 361 tgactgctg gtatctcagg aggacacatc aaccagctg tgaccttgg tctgtactg
 421 gcgaggaaag tgtctctac cagggaatt ttctacatca taatgcagt ccttgggtcc
 481 atctgtgggg ctggtgtgtg taagggttt gagggttccc aatctatga ggtgtgggt
 541 ggtggagcta acgttgtgaa ttctggctac accaagggtg atggccttgg tgctgagatt
 601 gttggcact tcgttctgt ttactgtc ttctctgcta ctgatccaa gagaacgtc
 661 agagactctc acgtccctat ttggccccc cteccattg ggttgcagt gttcttgggt
 721 cacttggcca ccatcccat cacaggaact ggcatcacc cagccaggag tcttggagct
 781 gctatcatc tcaacagaga gcatgcatgg gatgacatg ggatctctg ggtgggaccg
 841 ttcatggag ctgctctgc tgccatgtac cagcagatag tcatcagagc cattccattc
 901 aagagcaggg ctgga

Arabidopsis thaliana PIP2;1, CDS:260..1123

241 a tggcaaagga tgtggaagcc gtccccggag aaggatttca
 301 gacaagagac tatcaagatc cgccaccagc tccgtttatt gatggagcgg agctaaagaa
 361 gtggtcttc tacagagcag ttatcgaga gttcgtagcc actctctct tcttatacat
 421 caccgttttg acagtcatcg gttacaagat tcatccgat actgatccg gtggcgtaga
 481 ttgcggcgga gttggaatcc tcggtatcgc ttgggccttt ggtggtatga tcttcatcct
 541 cgtctactgc accgcccgtg tctctgtgg tcacattaac ccagcgggta catttgggct
 601 attcttgga cgtaaagtgt cgttacctag ggccctattg tacataatc ctcagtgttt
 661 ggggtgcgatt tgtggagtgt gttttgtcaa agccttcaa agctcttact acaccggtta
 721 cggaggtgga gccaaactct tagccgatgg ctacagcaca gggaccggtc tagccgcaga
 781 gatcattggt acttctgttc ttgtctacac cgtcttctc gccactgacc ccaaactag
 841 tgccagagac tcccagttc cgggtgtggc gccacttcaa atcggatttg ccgtgttcat
 901 ggtacatttg gctaccattc ccattaccgg aaccggaatt aaccgggcaa ggagtctcgg
 961 agctgccta atctacaaca agagcaagcc atgggatgac cactggatat ttgggttg
 1021 accattcatt ggagctgca tagctgcatt ctaccacaa ttgttctga gagcttcagg
 1081 ttctaagtct cttggatcat tcagaagtgc tgccaacgtc taa

Arabidopsis thaliana PIP2;2, CDS:67..924

61 atgg ccaagacgt ggaaggacct gagggatttc agacaagaga ctacgaagat
 121 ccgccaccaa ctccgttttt cgaatcgagac gagcttacca agtggctttt atacagagcc
 181 gtcattgccg agttcgtagc cactctcttc ttctgtaca tcaccgtttt aactgtcatc
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 601 ctgctctaca cagtcttctc cgctactgat cccaaacgta acgctagaga ctcccacgtt
 661 ccggttttgg cgccacttcc gattgggttt gcggtgttta tggtagattt ggccactatt
 721 ccgatcaccg gaaccggcat caaccggct aggagtttcg gagctgccgt aatctataac
 781 aagagcaagc catgggatga cactggata ttctgggtgg gaccattcat tggagctcgg
 841 atagctgcac ttatcacca attgtccta agggcttcag gtccaagtc acttggatcc
 901 ttcagaagtg cagccaacgt ttga

Arabidopsis thaliana PIP2;3, CDS:72..929

61 atggctaaa gacgtggaag gacctgatgg attcagacg agagattacg
 121 aagatctcc gccaacaccg ttttcgacg cagaggagct taccaagtgg tctttataca
 181 gagcagtcac cgccgagtc gtagccactc tcctcttctt gtacgtcacc gttttaactg
 241 tcattggta caagattcag tccgacaaa aagccgggtgg agttgactgc ggcggcgtcg
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 361 ccggtatctc aggtgggtcac ataaacctg cggtagcgtt tggttgttc ttgcccggga
 421 aggtatcgt gattagggcg gtgctttaca tgggtgctca gtgtttgggt gctatttggg
 481 gagttgggtt tgtgaaggca ttcaaagct ctactatgt taattacggt ggaggagcca
 541 actttctagc tgacggctac aatacaggca ccggactcgc ggacagatc atcggaacat
 601 tcgtgctgt ctacacagtc ttctccgta ctgatccaa acgcaacgt agagactccc
 661 acgttccgtt ttggcgcca ctccgattg gggttcggtt gtttatgta catttgcca
 721 ctattccgat caccggaacc ggtatcaacc cggctaggag ttccggagcc gccgtaatct
 781 ttaacaagc caagccatgg gatgaccact ggatatctg ggtgggacca ttattggag
 841 ctacgatagc tgcattttat caccaattcg ttctaagggc ctcaggtccc aagtcctcgc
 901 gttcattcag aagtcagcc aacgtttaa

Arabidopsis thaliana PIP2;4, CDS:51..926

1 atggcaaaag
 61 acttgatgt gaacgagagt ggaccaccgg cgccgagaga ctacaaggat ccgcctcccg
 121 caccattttt cgaatggag gagcttagga aatggccgct ttatagagcg gtcatactg
 181 agttgttagc aacacttctg ttctctacg tctcaatcct gactgtaac ggctacaaag
 241 ctcaaacgga tgcaaccgcc ggaggagtgg attgtggcgg ctaggaata ttgggtattg
 301 cgtgggcttt cggtggaatg atctttgtc tcgttactg taccgccggt atctccggtg
 361 gtcataaaa tccggctgtg acggtgggac tattctggc tcgtaagtgc tcattgggtg
 421 ggacagtgtt atacattgtg gctcagtgcc ttggtgcat ctgcggttc gggttcgtca
 481 aagcattcca aagttcttac tacaccagat atggagggtg agccaacgag ctacccgatg
 541 gctacaacaa aggtaccgga ctcggtgccg agatcattgg aactttgtc ctgtatata

601 ccgtcttctc ggcaaccgat cccaagcgaa atgctcgtga ctctcacgtg ccagttttgg
 661 ctccacttcc cattggcttt gccgtcttca tgggtcattt agccaccatt cccatcaccg
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 781 cctgggacga ccaatggatt ttttgggtg gaccgatgat cggagcagca gcagcagcgt
 841 ttaccatca gtttattta agagcggctg cgattaaagc tcttggctca tttggctcct
 901 ttggctcctt taggagcttt gcttaa

Arabidopsis thaliana PIP2;5, CDS:97..957

61 atga cgaaggaagt ggttggatgat
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 301 ctgaatcctg accagtgtac aggcgttggc gtccttgga tcgcatgggc ctttgggtggc
 361 atgatcttca tctcgtcta ctgcaccgcc ggcatctctg gtgggcataa taatccggca
 421 gtgacttttg ggctgttgtt ggctcggaaa gtgacgttgg tgagagcagt gatgtacatg
 481 gtggtcagt gcctcgtgct catttgggt gtggctttgg tcaaggcctt ccagtctgct
 541 tacttcacc gctacgggtg tggcgcaaat ggtctctctg acggttacag catcggcacc
 601 ggtgttcag ccgagatcat tggtagatc gttctgtat tggtccatt gccaattgga
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 781 gcaagaagt tcggagctgc aatcatctac aacaaggaca aagcttggga ccatcattgg
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Arabidopsis thaliana PIP2;6, CDS:88..957

61 atg acgaaggatg agttgacgga ggaagagtcg
 121 ctctccggca aggactactt agaccaccg cctgtgaaga cgttcgaggt gagagagctc
 181 aagaagtggc cttctacag agctgtcatc gctgagtca tagctacttt gctcttctta
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 421 gggctattcc tagtagcaa ggtatcattg gttagagctg tgcgtacat ggtggctcag
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Arabidopsis thaliana PIP2;7, CDS:121..963

121 atgtcgaaa aagtgagcga agaaggcaaa acccaccatg gaaaagacta cgtgatacct
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 421 ccagctgtga ctttcgggtct gttcttgccc cgtaaggctct ctttgggtgc agctcttgg
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 541 aaaactcctt acaacactct tggtaggagga gctaacaccg tagctgacgg ttacagcaaa
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 721 attggatttg ctgtgttcat ggtgcatttg gctactatcc ccattactgg aactgggtatc
 781 aacccagcta gaagctttgg tgcgtctgtt atctacaaca acgagaaggc gtgggatgac
 841 caatggatct ttgggttgg tccgttcttg ggagcactag ctgcagcagc ttaccaccaa
 901 tacatattga gagcttcagc aattaaggcc ttgggctcgt tccgaagcaa cgcaaccaat
 961 taa

Brassica napus PIP1, CDS:11..874

1 atggcgaagg acgtggaagc cgttccgga gaagggttc agacaagaga
 61 ctatcaagat ccaccgccag cgctctgtt tgaccggcg gagctgacca agtggctttt
 121 ctacagagca gtcacgctg agttcgtagc tactctctc ttctgtaca tcaccgtttt
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 361 acgtaaagtg tcgttggtta gagccatatt gtacatggta gctcagtgtt tgggtgcgat
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 661 gggtaccatt cccatcactg gaactggaat caaccggca aggagtttc gagcagccgt
 721 tatcttaac gagagcaagc catgggatga ccactggata tttgggtgg gaccattcgt
 781 tggagctcgc atagctgcat tctaccacca gtctgtttg agggcttcag gttccaagtc
 841 tctcgatct ttacagaagt ctgccaacgt ttaa

Brassica napus PIP2, CDS:26..877

1 atggc taaagatgtg gaaggagcag agggagtcac
 61 ggcgaggggac tacgaagacc caccgcctac tccgttttc gatcgaggagg agctcacgaa
 121 gtgtctttta tacagagcag tcatcgccga gttcgtagcc actctctct tcttatatgt
 181 caccgttttg actgtcatg gctacaagat ttctccgac actaaggcag gaggcgacga
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661 gggtcacttg gccactatfc cgtaccggg aacaggaatt aaccgggcaa ggagtttcgg
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 781 accattcatt ggagctgcga ttgctgcatt ttaccacaa ttcgtctaa gagcttcggg
 841 ttccaaatcc ctgggtcct tcagaagtgc ggcctaa

Raphanus sativus PAQ2b, CDS: 38..889

1 atg gcgaaagaag tggaaggagc
 61 agagggattc gcgacaaggg actacgaaga cccggccca actccgtttt tcatgcgga
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 781 ttttgggtg ggaccattca tcggagctgc gatagctgca tttatcacc aattcgtct
 841 aagggcctct gggtccaagt cctcggctc ctccgaagt gcagctga

Zea mays PIP2c, CDS: 75...944

61 atggcg aagcaggaca tcgaagcatc gggggccgag gccggcgagt
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 301 ccgacgcggc gtgcggcggc gtggcatcc tcggcatgc gtgggccttc ggcgcatga
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 841 tctgggtgg cccatgatc ggcgcccca tcggccgc ctaccagg tacgtgctga
 901 gagccagcg caccaagctc ggtcctacc ggagcaacgc ctaa

Vitis vinifera PIP2;3, CDS:79..942

61 at ggccaaggac attgaggtg cagggcacgg agacctaca
 121 tgaaggact accagaccc accaccggc cactggctg accctgagga attgggtcc
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 241 actgtgtga cgggtattgg gtacaagaac cagactgatc cctaccatca cggaatgaa

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