

Supplementary Table S1. Accession numbers or nucleotide and protein sequence for the gene motifs used in the dendrogram in Figure 1. Sequences without an accession number were identified by us in genomic and EST sequences and tested for expression by qPCR (Tucker and Yang, 2012, 2013).

Name in Fig. 1	Nucleotide Accession	Protein Accession	Other
AtCLE41	NM_113389.1	NP_566754.1	AT3G24770
AtCLV3	NM_001124926.1	NP_001118398	AT2G27250.3
AtIDA	NM_105550.1	NP_564941	At1G68765
AtIDL1	NM_113464.2	NP_566774.1	At3G25655
AtIDL2	NM_001085327.2	NP_001078796.1	At5G64667
AtIDL3	NM_001085091.1	NP_001078560.1	At5G09805
AtIDL4	NM_001084711.1	NP_001078180.1	At3G18715
AtIDL5	NM_001084366.2	NP_001077835.2	At1G76952
AtIDL6	NM_001342808.1	NP_001318482.1	At5G05300
AtIDL7	AC009991.5	AAF01528.1	At3G10930
AtIDL8	AK221754.1	BAD93814.1	
AtPIP1	NM_118988.3	NP_194575.2	At4G28460
AtPIP2	NM_119892.2	NP_568022.1	At4G37290
AtPIP3	NM_127891.1	NP_565549.1	At2G23270
AtPIPL2	NM_111484.2	NP_187260.1	At3G06090
AtPIPL3	NM_119893.2	NP_568023.1	At4G37295
AtPIPL4	NM_001125892.1	NP_001119364.1	At5G43066
AtPIPL5	NM_001344469.1	NP_001331732.1	At5G43068
GmCLV3a	XM_006594862.2	XP_006594925.1	Glyma.13G313400.1
GmIDA1a	appended below	appended below	Glyma.10G205400.1
GmIDA2a	appended below	appended below	Glyma.01G090400.1
GmIDA3a	appended below	appended below	Glyma.04G215100.1
GmIDA4a	appended below	appended below	Glyma.05G189500.1
GmIDA5a	appended below	appended below	Glyma.20G165500.1
GmIDA6a	appended below	appended below	Glyma.16G170400.1
HgCLE1	FJ503004.1	ACT32609.1	
HgCLE2	FJ503005.1	ACT32610.1	
HsCLE1	HM588679.1	AEA06591.1	
HsCLE2	HM588680.1	AEA06592.1	
HsCLEB	KY124382.1	AQR58088.1	
MfIDL1	appended below	appended below	
MhIDL1	appended below	appended below	
Mi16D10	AY134435.1	AAN08582.1	
MiIDL1	KC237722.1	AGF86396.1	
MiIDL2	appended below	appended below	
MiMAP1-V1	AJ278663.1	CAC27774.1	
MiMAP1-V4	AJ278663.1	CAC27774.1	
MiMAP1-V5	AJ278663.1	CAC27774.1	
MiMAP1-V7	AJ278663.1	CAC27774.1	
SiCLV3	XM_010315155.2	XP_010313457.1	Solyc11g071380.1.1
SiIDA1	appended below	appended below	Solyc05g010000.1.1

SIIDA2	appended below	appended below	
SIIDA3	appended below	appended below	
SIIDA4	appended below	appended below	Solyc07g044890.1.1
SIIDA5	appended below	appended below	

Sequences which do not have an accession number at NCBI.

Nucleotide:

>GmIDA1a ORF

ATGGCCAATTCTCATTATTCTAAAACCTTGCATCTTCCATGCAAATCCTTCTCTATGGCT
ATTCTCCTTGTGTTACTTGCTTCTTGTGGTTCTTGCCTGCAATAAGGACAGGCGCAACC
ATGCGGTTGAATGAAGGCTCAGAACTTCTCCGGCGGAAGCAGCAACAACCGGATTTCTCCT
TACAAAGGTCTTGTGTTTCAACTTCTTACCCAAAGGGGTGCCAATTCACCTTCAGGCCCT
TCAAAGAGGCACAACCTCAGTGGTGGCTTCCACACCTAAGAATTGA

>GmIDA2a ORF

ATGGCAAATTACCATTCTTCTAAAACCTTGCATCTTCCATGCAAAACCTTATCTCTAGTT
CTCCTTTTTGTTTACTTGCTACTTATTGGTTCTTGTGATGCAATAAGAATAGGCCAAACT
ATGAAGCTGAATGAAACAAGAGAGATTCTCAAGAGAAAGCGCAATAACCAACATGGTTTT
CCATACAAAAGCATGGTTTTCAACTTCTTCCCAAAGGGCCGGTGCCACCTTCAGGTCTC
TCAAAGAGGCATAACGCAGTGGTGGATTCAACACCTAATAATTGA

>GmIDA3a ORF

ATGGTAGCTCTACGTAGTAGGAGACGTAAAACCTAATGCTCTTGCTGGTCTTGTGTTCTC
TGCATATTGGGGCACGGTCATGGATCAAGAACCACCAACGCTTCAAATTGAAGCCAAAG
TCTCAGCACACGGTCACTTTTTTGGATTCTTGCCAAAGAGGATACACATACCGTTCTCC
TCTCCTTCAAAGAAACACAATGACATTGGCCTACAAAGTTGGAGATCACCCCTAA

>GmIDA4a ORF

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ATATTGGGTCACTGCCATGGTTCTAGAGCCACAACAACCGTATTCAAATTCAAACCCAAA
TCTCCACATCATGGTCACTTCTCTGGCTTCTTGCCAAAAGGATGCCTATAACCGTATTCA
ACTCCTTCAAAGAAACACAATGACATTGGCTTAAGAAGTTGGAGATCACCCCTGA

>GmIDA5a ORF

ATGGATAGAAGATACCTCAACTTGGTTCCAGTGCTGATGCTTTTGGTAATATGTTTTGTT
GGCCATAGTTATGGTCTAGACACTCTAATCAAGTTTTTCAAAGTGCAGCCCAGGGGAGAG
GCTTTCCTCCTCAAGCTTCTTTGGTTTCTTGCCAAAAGCAATGCCAATACCACCTTCAGGG
CCTTCAAGGAAACACAACGGCATTTGGATTACAAAGCTCAATGGGGGAACCATAG

>GmIDA6a ORF

ATGGGTAGAAGACATCTTCATGTATTGCCAATGCTGTTTTTGGCTGATTATATACTTGGTT
GGTGCTAGTTATGGCTCTAGACACACTCAAGTGTCAATATTCAGCCCAAATCTCAAGGT
TTACATCAAAATTTCTTTGGCTTCTTGCCAAAAGGCAATGCCATTCACCTTCAGGGCCT
TCTAAGCAGCACAAACAGCATTCAATTACAAAACCTCAAGGGGAAACAACCATAG

>SlIDA1 ORF

ATGGCTTTCTCTTTTTCTTCTTCAAAAACCTTTATTTATCAAGCAAATTAACCTGTTTG
ATACTTGTATTTCTCTACTTTTTAATTATGGTCATATTGTTGAAGCATCAAGATTTGGG
AGAATTATGATGGTAGAGGAAAATCAAGAATATTTTCATCACAACATATGAAGGTATAC
AAAAAAGAAAATGCATACAAAGTTGATAATTTATTTACTATGTTACAAAAGGGATT
CCAATTCCTCTCTGCTCCATCAAAGAGACATAATGCTATTGAAGACTCTACACCTCAA
AATTGA

>SlIDA2 ORF

ATGTTGAAAAAATCACAACACAACACTATTAATTTATTTACTTCTTGTGATTTTGGTG
GTTGATCATCATGATCACCATGTTAATGCAGTAAAAAATCACAAGTTGTTAATGTTAAG

CCCTTATTACCTAGTAATAACAATTCTAAATCATCTTTTTCTCAATCTTTGCCAAAAGGA
GTCCCTATTCCACCTTCTGCTCCTTCCAAAAGGCACAATCAAATCAATATATGA

>SlIDA3 ORF

ATGGAAAAAATGAGCATAAAAAACACAACACTACAATATCAATCATTTTTGTCTTGTGATA
ATAATTCAACATGCTCATGGTGCAAGTCACACACAATTTTTCAAGGTGAAGCCTTTGCCA
ATTAGTAATAAAAAACAATAAATCTCCTTATTATGAGTCTTTGCCAAAAGGAGTCCCAATT
CCACCTTCTTCTCCTTCAAAAAGACACAATGGAATCAACCTCAAAGGTATTGGCCATGA

>SlIDA4 ORF

ATGGCTTATTCTGCTAATTCCAAAACCCTTATTATATTTCTCATGGAAATTCATATGC
TTGATTCTCACACTATCTCTTGTCTTGACCATGGACATGGTACTACATGCCACCTACG
CCGTCACGTATGCCGAGGCGTTTGAAGAGGAAGCTTCTAGAATGTTCTCAGAATTTCT
GATGAAAAGAAAAGAGTTTCTCAGCAGTACTAGTAACCGGTTCCATATGCTACCAAAGGG
ATTCTTATTCTCCTTCTGCACCATCAAAAAGGTGCAATTAA

>SlIDA5 ORF

ATGGCTTATTCTACTACTAATTATTCTTTCATGGAAATTCATGTACTTAATTCTCACATTA
TCTCTTGTCTTGGCTATGCTTCTCAGTGAGAATATCGTCGACGATGAATTCAAAAGAT
GAAGACGCTTATACACTATTTTCAGAACCATCTCCAAAATATGAAGACGCTTATACACTA
TTTTCAGAATCATCTCCGAGATATTACGATGAAAATGAAAAGAAAAGAGTTTTCAAAGAGT
AATTTGTTTCATATGCTACCAAAGGGACTCTAATTCCTCCTTCTGGACCATCACGTAGA
CACAATGGAGATGGTACTTATCTAATTATCCTTAA

>MfIDL1 ORF

ATGTTTTATTCAATTAATAAATTTAATTAATTTAATTTAATTTAATGCTTTTTATCTGTC
TCAATTGTGGATTCAATTAAGGAGTTCCACCTAATAGTGGACCATCACACAAAGGAAAT
AAAGTTCCAGGTCCCGCCGATAG

>MhIDL1 ORF

ATGTTTTTTTCAATTAATAAATTTGTTTAAATTTAATTCCTCTGATTATTTAATGTTT
TTGAATGTTTCTTCTGTTGTTGCTCCTAAAAACATTCCTGTTCTGCTAGTGGACCATCA
AAGAGACACAATGGAATGGTCAAGATATAAGTAATTGA

>MiIDL1 ORF

ATGTTTTATTCAATTAATAAATTTAATTAATTTAATTTAATTTAATGCTTTTTATCTGTC
TCAATTGTGGATTCAATTAAGGAGTTCCACCTAATAGTGGACCATCACGCAGAGGAAAT
AAAGTTCCAGGTCCCGCCGATAG

>MiIDL2 ORF

ATGTTTTATTCAATTTAAAAATTTAATTAATTTAATTTAATTTAATGCTTTTTATCTGTC
TCAATTGTGGATGCAGTTAAAGGAGTTCCACATAATAGTGCACCATCACGAAGAGGAAAT
AAATTCCTCCAGGTCATCCAGGCTGA

Protein:

>GmIDA1a

MANSHYSKTLHLPLCKSFSMAILLVYLLLVGSCTAIRTGATMRLNEGSELLRRKQQQPRFP
YKGLVFNFLPKGVPIPPSGPSKRHNSVAVSTPKN

>GmIDA2a

MANYHSSKSLHLPLCKTSLVLLFVYLLLVIGSCDAIRIGQTMKLNREILKRKRNNQHGF
PYKSMVFNFFPKGPVPPSGPSKRHNAVVDSTPNN

>GmIDA3a

MVALRSRRRKTLMLLLVLFLCILGHGHSRRTTNVFKLKPKSQHTGHFFGFLPKRIHIPFS
SPSKHNDIGLQSWRSP

>GmIDA4a

MVLHRRPLILVLIWLFILGHCHGSRATTTVFKFKPKSPHHGHFSGFLPKRMPIPYS
TPSRKHNDIGLRSWRSP

>GmIDA5a

MDRRYLNLPVLMMLLVICFVGHSYGARHSNQVFKVQPRGEAFPPSFFGFLPKAMPIPPSG

PSRKHNGIGLQSSMGEP

>GmIDA6a

MGRRHLHVLPMFLFLIIYLVGASYGSRHTQVFNIQPKSQGLHQNFQFGLPKAMPLPPSGP
SKQHNSIQLNQNSRGKQP

>SlIDA1

MAFSFSSSKTLYLSSKLTCLILVISLLFNIGHIVEASRFGRIMMVEENSRIFFSQHMKVY
KKENAYKVDNLLFTMLPKGIPIPPSAPSKRHNAIEDSTPQN

>SlIDA2

MLKKNHNTTLLIYLLLVLVVDHHDHVNNAVKNSQVNVVKPLLPSNNNSKSSFSQSLPKG
VPIPPSAPSKRHNQINI

>SlIDA3

MEKMSIKNTTTISIIFVLVIIIQHAHGASHTQFFKVKPLPISNKNKSPYYESLPKGVPI
PPSSPSKRHNGINLKRYWP

>SlIDA4

MAYSANSKTLHYISSWKFIILTLVLDHGHGTTCPPTPSRMPRRLKEEASRMFSELS
DEKKEFLSSTSNRFHMLPKGIPIPPSAPSKRCN

>SlIDA5

MAYSTTNYSSWKFMYLILTLVSLVLYASSVRISSTMNSKDEDAYTLFSESPKYEDAYTL
FSESPRYYDENEKKEFQKSNLFHMLPKGTLIIPPSGPSRRHNGDGLSNYP

>MfIDL1

MFYSIKNLINLIIILMLLSVSVIVDSIKGVPPNSGPSHGKGNKVPGPGR

>MhIDL1

MFFSIKNLFKILIPLIILMFLNVSSVAPKNIPVPASGPSKRHNGNGQDISN

>MiIDL1

MFYSIKNLINLIIILMLLSVSVIVDSIKGVPPNSGPSRRGNKVPGPGR

>MiIDL2

MFYSFKNLINLIIILMLLSVSVIVDAVKGVPHNSAPSRRGNKFPFGHPG