

Table S1 The identified nucleotide and amino acid sequences of pepper Dof genes.

The nucleotide sequences are as follows:

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>CaDOF5

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NCHNFPYPVACYPGAPWPYPCNSVPWSSAVPPPGYCPGPFMPFYPAASYWGYTVAGSWNVPWISPTTGS
LIQTPPTSGPNSPTLGKHSRDENILKQLSNKEESSKENNPEKCLWVPKTLRIDDPREAAKSSIWATLGIKHDS
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>CaDOF6

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>CaDOF7

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VAHNSIDISTNSINPLFYGLTSERSDLNIPFARLFNSRVSSHATVGEGQVYSLTDSIPGLMDRRMGLGFSNSS

VGGVNM GENNNYGHGGFNPIKQIQDVVMTSNCTTSSTLLSTYPNMFSSSTSTSTMASLIASSLQQQKF
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WNGAWLDPSNMGSNSVPSLI

>CaDOF8

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NSRSQPPPLPSLSSLYTGGVGGGGFLSTLASMQSMTQLSQGVNNDHSQLGVISASNSSQFGNFNIPSSIPP
KVQINQQMESGIYQMVVNREKPMESFYPSDQISQFQPTRPLGSWTQRFINNNNNNNIWPNASASSSSSGG
ANSSTTAAGASLNPQWPDLPFGFPSP

>CaDOF9

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TIISNMDEDIKNIPSLASSSLPYDIFSSLKLSSIPQDGNTHFSLIPNSSTTQLSSNVYCNYDYM GKFDSTMEES
TITTVMPITSSSDLFSQPWKVPETSNDFIENMSSNYWNWNEFDTLSTAADLNIQWDDLEIKP

>CaDOF10

MIQELFAGNTTLIGGDNNISKLSNITPSSSPLSCTTSNSSIAPAAAAGATATANASSPSNVESLRCPRCDSPNT
KFCYYNNYNLTQPRHFCKTCRRYWTGGALRNVPIGGGCRKNKTITTAKSSAAKLKNSIPFEFIGKSGIFG
GFEQEIIPSNNNPFLFSTPHQNHNPILSLLRGNHHNLNLVKDEQKSIEVNLHNQFPSNSLSSLWKNNDTIVG
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>CaDOF11

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>CaDOF12

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PVGAGRRKHKNSVLHDSYSSVSEALSKARTNFPNETQPPLTISGTILTFTDKPLSESMVSALNVSDKTM
QNYSGNGFRKYKELGIQAGDKGDDLSDGSSVTVSSKDSDNGLPDTLRQNCNSFSNHLPCFSGAPWPYI
WSSVPCRNVPVPPGIPVSLFPATTYSGCTILGSWNVPKMPPTASQNVPLTSGPNSPTFGKHSRDENVLNS
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STLLQVNPA AISRSLNFNESS

>CaDOF13

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KNTKRSSA STSKKITSTTTTPLTSSVSASSANPKPEPFGIPAIPSFDTTGPFSLLA SNEPQFGNLEALN
PNNSNNNGSNIQLSEFSRNPISSSGLGLGSGSGSQNHSSNGGESNNCWNGGSNGWPD LAIYTPGSNFQ

>CaDOF14

MREVKDGEIKLFGKKIALPENGKMLPVIVSGEDSDVGKSVSGSEVVTGEESSTGSDRGDPCLVDKEGNTS
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NDAAANSQQKPLKPKDKILPCPRCNSMDTKFCYYNNYNINQPRHFCKSCQRYWTAGGTM RNV
RKNKNSASHCRHIMISEALEAARIDPPNGFHHPAFKPNGTVLSFGPDSPLCDSMASVLNLAENKTPNGIRN
GFYRPEHKNPSGLGGENGDDCSSGSSVTTSNSMAEGVKNRAPEAVMQTINAFSPVPCIPGVWPFPFAAV
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RSLSFQERV

>CaDOF15

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MLDQNQAPIIDFMESKYEALVGSSSRNQHLFLGNGDNNIGMM SNAGFGHDNIIAPNFPFGMASMNMDNV
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MNGCYGSSTTNPLV

>CaDOF16

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TAAVATTSTAGNFSNFSEFMALPLIHPANSTSSFMPNNLYTSSTGLPNLHDLKSSSLNFSLDGFENG YGSLQG
GDQEAKLFFPMDDLKINVSTANDQFEENREQAAADQSNQFWNGMLGGGGSSW

>CaDOF17

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VPVGGGTRKNSSHKRPRITTTGA AVQEHTNPGLGSGSGSVSLMGCEVNLNESVQEGGGNGTASFTSLTAG
PVGGGFGPLGGFGLGLSGFGLGNLDWPMEQVVVGGVGGNGDGGENDKWQLSGGEVEGGGGGGDDD
CFGWPDLAISAPGTSLK

>CaDOF18

MERTRKSNIEQAPNCPRCASTNTKFCYYNNYSLSQPRYFCKACRRYWT KGGSLRNVPVGGGCRKSRRSR
SLRKDDNTLQSPSPAFETPGANIDLADVFAKYLNQGTANDHDDDDQDNNIILQESQDYSSIGASLSESSD
SLVNNPTSFENESLFDETIMASFQDYPCGNFLQEEQGGPIDQVGNQDFLDFNTSFLEMQAMLGDEIIGQGE
EFDHYNTSNFSWQSM MQFQDFGSILELDDQLKNSTSNLASDNNNYSSFDLSN

>CaDOF19

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SDDLKMQDAEKEILSSKSIEEDSSEKTLKKPKDKIIPCPRCNSMETKFCYYNNYNNVNQPRYFCKNCQRYW
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YSGFPVSFYPATPYWGCTVASPWNVPWLSSDQSVHNTSPASPTLGKHSRDESKFDPSQSRRRDATLQDREG
ERCVLIPKTLRIHDPNEAAKSSIWSTLGIKNEKIHSTHGTM LFSSFNPKADLRNHERDASLLLQANPAALSR
SLKFRESTQ

>CaDOF20

MAFSSIPLYLDPSNWQHEQENQQQQQLGVTNHEMNYPSELSPAVLPPPAATGSGGPAGSVRPGSMTERAR
LAKIPQPENALKCPRCASTNTKFCYYNNYNSLQPRHFCKTCRRYWTRGGALRNVPVGGGCRNNKRSK
RSRSTKSPNRSDQRSRNNVPTISTTITFPSHLPLNTSTHLSFLNTPFHNLNDFNSTQNDMNFGEIQSHEGD
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DYNISSTSTSLL

>CaDOF21

MSEVRDPGIKLFGKTIILPIDDLRSSINTTSHDDQITSEGELTQSKRDDFTNSTADESVEPEISSGISDDPKAQ
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MASILNIAEKSHNSIQNGFNGSEQRM IASCGGKEIGNDRSSEACSTTSNSTEKGNDSTARDLAWKNFQAFP
PQVHHFPGPPWPTYCNAAPWTS AVPPPTLAPSGFPVSFYPPPPYWSCTMASPWNVPWVSPPPSSASC SVH
GNNPNSP TLGKHSRDESSFNPSNMAKEDTLQDKDGERCVLIPKTLRIDDLDEAAKSSMWSTLGIKNDKND
SANGTRLFKAFNTKVDERNNESDTNLVLQANPAALSRSHNFQEST

>CaDOF22

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GFENHSNISMIMCENPSGFLDALKGSTGFLENNNPNGFHHQNLFGVGNIIINGDMGLHNVENGGMGVI
NNNVSDQEMGLMHNYDQEISSGTVTTTTATTMTTVKQEMCNMARDQGDNDKVLWGFPPWQINGEGHNMS
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>CaDOF23

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KTTGSNVNSTTTADPRQIGTSTASPSSCNTEIITGRHHFHEQSPVQFTPLMAAFQNLNHHYGGFQPPPLV
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>CaDOF24

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MALSHFGNFMGINTSNNNNNINHNFMLENHHHHVPIDFMESKYEALVGTITSSRNQDFLGNVDVTAGMI
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>CaDOF25

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FRTVPHDHQTSFHGVLPQFLELPKMDASNNHLGSTQISALELLRTGASRGFTSFISSPSTPDLNALYSTSGF
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>CaDOF26

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SNSKSGNNNNNNNNNSKSPASSTSTDGRQATNNSGSTSTISSHSNFTGPTSAASLLGLMTPQIPPLRFMSPL
GQFSSDHHHHHHHFTPSNHMNLNFSTSTCGNILGGTTEGMMVNTNNLLGVGVGVGVGVGAGAGAGV
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>CaDOF27

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VTMNYSSFSSSSPAPVIVESTIESTNFQLGMSNNLEQWRLHQQLASQFPYNLYGGLDSSASGSGLYHFHPT
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>CaDOF28

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>CaDOF29

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>CaDOF30

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NGISCRE

>CaDOF31

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>CaDOF32

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GPTGVLALGGIEDVSFSIGRAAVWPFPGAPDSFIRNYDSGVGASMWQFSG

>CaDOF33

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TGNTSGGATTEDVSATSSNSASTYLNFPDSSNFFIPHSTTDNHHTFDDQPLTENFSSMMTSSNDPSMVG
FNI AEIPAYRLPENQSSMIETLPSGDLKMEQTGTGYLNQTD RVEFPGLQQNRIDNSELASLDWQTGGGGDHGL
YDLTGTVDQSYWNQTQWGENDNSLNFLP