Supplemental Figure 11. Protein sequences encoded by the predicted PRP genes. Colored sequences at the N and C terminus indicate predicted signal peptide (green) and GPI anchor (turquoise) addition sequences if present. PPVX(K/T) (grey), KKPCPP (teal), and PPV (pink) repeats are also indicted.

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>At1g15825-PRP5 68414.m01899 hydroxyproline-rich glycoprotein family protein
contains proline-rich extensin domains, INTERPRO:IPR002965
MPPPVQDFPPILTPPAEEFPPILPPPVQEIPPVFTLPPTVQDPPTIPVFSTPPVLGDFPPQTPDFTTPPEVTNPWQP
PVTSFAPPIESIPTIPDNPFPVTPNPDMGSNQPFVELPPPTWDSPPFNR

>At1g54970-PRP1 68414.m06278 proline-rich family protein similar to proline-
rich protein GI:170048 from [Glycine max]
MAITRASFAICILLSLATIATADYYAPSSPPVYTSPVNKPTLPPPVYTPPVHKPTLPPPVYTPPVHKPTLSPPVYTK
PTLPPPAYTPPVYNKPTLPAPVYTPPVYKPTLSPPVYTKPTLLPPVFKPTLSPPVYTKPTLSPTVYKPTLSPPVNNK
PSLSPPVYKPTLSPPVYTKPTLPPPVYKKSPSYSPPPPFAPKPTYTPPTKPYVPEIIKAVGGIILCKNGYETYPIQG
AKAKIVCSERGSYEKSKNEVVIYSDPTDFKGYFHVVLTHIKNLSNCRVKLYTSPVETCKNPTNVNKGLTGVPFSMYS
DKNLKLFNVGPFYFTAGSKAAPATPRY

>At2g21140-PRP2 68415.m02508 hydroxyproline-rich glycoprotein family protein
identical to proline-rich protein 2 [Arabidopsis thaliana]
gi|7620011|gb|AAF64549
MRILPKSGGGALCLLFVFALCSVAHSLSCDVKVVGDVEVIGYSEISKIKIPNAFSGLRVTIECKAADSKGHFVTRGS
GEVDETGKFHLNIPHDIVGDDGTLKEACYAHLQSAFGNPCPAHDGLEASKIVFLSKSGQNHVLGLKKSLKFSPEVCI
SKFFWHMPKFPLPPPLNLPPLTFPKIKKPCPPIYKPPVVIPKKPCPPKIAHKPIYKPPVPIYKPPVPIYKPPVVIPK
KPCPPKIHKPIYKPPVPIYKPPVVIPKKTFPPLHKPIYKHPVPIYKPIFKPPVVVIPKKPCPPLPKFPHFPPKYIPH
PKFGKWPPFPSHP

>At2g27380-PRP6 68415.m03302 proline-rich family protein contains proline-
rich extensin domains, INTERPRO:IPR002965
MRVPLIDFLRFLVLILSLSGASVAADATVKQNFNKYETDSGHAHPPPIYGAPPSYTTPPPPIYSPPIYPPPIQKPPT
YSPPIYPPPIQKPPTPTYSPPIYPPPIQKPPTPTYSPPIYPPPIQKPPTPTYSPPIYPPPIQKPPTPSYSPPVKPPP
VQMPPTPTYSPPIKPPPVHKPPTPTYSPPIKPPVHKPPTPIYSPPIKPPPVHKPPTPIYSPPIKPPPVHKPPTPTYS
PPVKPPPVHKPPTPIYSPPIKPPPVHKPPTPIYSPPVKPPPVQTPPTPIYSPPVKPPPVHKPPTPTYSPPVKSPPVQ
KPPTPTYSPPIKPPPVQKPPTPTYSPPIKPPPVKPPTPIYSPPVKPPPVHKPPTPIYSPPVKPPPVHKPPTPIYSPP
VKPPPIQKPPTPTYSPPIKPPPLQKPPTPTYSPPIKLPPVKPPTPIYSPPVKPPPVHKPPTPIYSPPVKPPPVHKPP
TPTYSPPIKPPPVKPPTPTYSPPVQPPPVQKPPTPTYSPPVKPPPIQKPPTPTYSPPIKPPPVKPPTPTYSPPIKPP
PVHKPPTPTYSPPIKPPPIHKPPTPTYSPPIKPPPVHKPPTPTYSPPIKPPPVHKPPTPTYSPPIKPPPVHKPPTPT
YSPPIKPPPVHKPPTPTYSPPIKPPPVHKPPTPTYSPPIKPPPVQKPPTPTYSPPVKPPPVQLPPTPTYSPPVKPPP
VQVPPTPTYSPPVKPPPVQVPPTPTYSPPIKPPPVQVPPTPTTPSPPQGGYGTPPPYAYLSHPIDIRN

>At2g47530-PRP7 68415.m05932 hypothetical protein
MASTGAATNLLLLAMVVVVATADYYAQPQPYVPKPTTTYTSPVKTPYLPKSNPDIAIEGFILCKSGYKTYPIQGGKV
KVVCPVVDSYGKLVAKVTISSYPTDLKGYFYFITYGLSHKVNNISSCKVKLESSPVFTCKTPTNVNKGVTGAPLSPD
NSKFLSHDNLTLYTLEPFYFSSPVAPKPVY

>At3g50570-PRP8 68416.m05531 hydroxyproline-rich glycoprotein family protein
contains proline-rich protein domains, INTERPRO:IPR000694
MKSVIVIVALLCLVSLPNPTVGSTKKPWPKPSDLANHNNNFGDSKVGWACSSSSDPNTPPSPPGSFPNIPQIPGIPN
IPFPNIPGIPIPNIPGLPNIPGLPGPPFESLLVSQSGELEKCLSKDGSKTNEKCFSQIFSSWAENDFALDKECCEII
VNMNKRCYGHLHMMFKSHFFAPLLQYSCHIKHAKN

>At3g62680-PRP3 68416.m07041 proline-rich family protein contains proline-
rich region, INTERPRO:IPR000694
MAITRSSLAICLILSLVTITTADYYSPSSPPVYKSPEHKPTLPSPVYTPPVYKPTLSPPVYTKPTIPPPVYTPPVYK
HTPSPPVYTKPTIPPPVYTPPVYKPTLSPPVYTKPTIPPPVYTPPVYKPTPVYTKPTIPPPVYTPPVYKPTPSPPVY
KKSPSYSSPPPPYVPKPTYTPTTKPYVPEILKAVDGIILCKNGYETYPILGAKIQIVCSDPASYGKSNTEVVIYSNP
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TDSKGYFHLSLTSIKDLAYCRVKLYLSPVETCKNPTNVNKGLTGVPLALYGYRFYPDKNLELFSVGPFYYTGPKAAP
ATPKY

>At4g38770-PRP4 68417.m05490 proline-rich family protein (PRP4) similar to proline-rich protein [Arabidopsis thaliana] gi|6782442|gb|AAF28388; contains proline-rich extensin domains, INTERPRO:IPR002965
MRILPEPRGSVPCLLLLVSVLLSATLSLARVVEVVGYAESKIKTPHAFSGLRVTIDCKVNKGHFVTKGSGNIDDKGK
FGLNIPHDIVSDNGALKEECYAQLHSAAGTPCPAHDGLESTKIVFLSKSGDKHILGLKQNLKFSPEICVSKFFWPMP
KLPPFKGFDHPFPLPPPLELPPFLKKPCPPKYSPPVEVPPPVPVYEPPPKKEIPPPVPVYDPPPKKEVPPPVPVYKP
PPKVELPPPIPKKPCPPKPPKIEHPPPVPVYKPPPKIEKPPPVPVYKPPPKIEHPPPVPVHKLPKKPCPPKKVDPPP
VPVHKPPTKKPCPPKKVDPPPVPVHKPPPKIVIPPPKIEHPPPVPVYKPPPKIEHPPIYIPPIVKKPCPPPVPIYKP
PVVIPKKPCPPPVPVYKPPVVVIPKKPCPPLPQLPPLPKFPPLPPKYIHHPKFGKWPPLPPHP

>At5g09520-PRP9 68418.m01101 hydroxyproline-rich glycoprotein family protein contains proline-rich extensin domains, INTERPRO:IPR002965
MTLKKSFSASLLSPFLIICLIALLSVPVSVGARRLLEEPKPEIPTFPELPKPEMPKLPEFPKLELPKLPEIPKPEMP
KLPEIQKPELPTFPELPKMPEFPKFDFPKLPELPKPEETKVPAFTMPKFPGSP

>At5g09530-PRP10 68418.m01103 hydroxyproline-rich glycoprotein family protein contains proline-rich extensin domains, INTERPRO:IPR002965
MALMKKSLSAALLSSPLLIICLIALLADPFSVGARRLLEDPKPEIPKLPELPKFEVPKLPEFPKPELPKLPEFPKPE
LPKIPEIPKPELPKVPEIPKPEETKLPDIPKLELPKFPEIPKPELPKMPEIPKPELPKVPEIQKPELPKMPEIPKPE
LPKFPEIPKPDLPKFPENSKPEVPKLMETEKPEAPKVPEIPKPELPKLPEVPKLEAPKVPEIQKPELPKMPELPKMP
EIQKPELPKLPEVPKLEAPKVPEIQKPELPKMPELPKMPEIQKPELPKMPEIQKPELPKVPEVPKPELPTVPEVPKS
EAPKFPEIPKPELPKIPEVPKPELPKVPEITKPAVPEIPKPELPTMPQLPKLPEFPKVPGTP

>At5g15780-PRP11 68418.m01845 pollen Ole e 1 allergen and extensin family protein contains Pfam profile PF01190: Pollen proteins Ole e I family
MERITTLWFWFSLMIFLGISINGGLSQGQQHVMKKTRSSAVVVGTVYCDTCFNGAFSKSPNHLISGALVAVECIDEN
SKPSFRQEVKTDKRGEFKVKLPFSVSKHVKKIKRCSVKLLSSSQPYCSIASSATSSSLKRLKSNHHGENTRVFSAGF
FTFRPENQPEICSQKPINLRGSKPLLPDPSFPPPLQDPPNPSPLPNLPIVPPLPNLPVPKLPVPDLPLPLVPPLLPP
GPQKSASLHNKKSDSLKDKKTEALKPNFFFPPNPLNPPSIIPPNPLIPSIPTPTLPPNPLIPSPPSLPPIPLIPTPP
TLPTIPLLPTPPTPTLPPIPTIPTLPPLPVLPPVPIVNPPSLPPPPPSFPVPLPPVPGLPGIPPVPLIPGIPPAPLI
PGIPPLSPSFSSHHQP

>At5g59170-PRP12 68418.m07416 proline-rich family protein contains proline-rich extensin domains, INTERPRO:IPR002965
MKSCLATFALAVLVTQGSIFSLCLASSASTNSVPNWFHHWPPFKWGPKFPYSPPKPPPIEKYPPPVQYPPPIKKYPP
PPYEHPPVKYPPPIKTYPHPPVKYPPPEQYPPPIKKYPPPEQYPPPIKKYPPPEQYSPPFKKYPPPEQYPPPIKKYP
PPEHYPPPIKKYPPQEQYPPPIKKYPPPEKYPPPIKKYPPPEQYPPPIKKYPPPIKKYPPPEEYPPPIKTYPHPPVK
YPPPPYKTYPHPPIKTYPPPKECPPPPEHYPWPPKKKYPPPVEYPSPPYKKYPPADP

>At1g09460-PRP13 68414.m01058 glucan endo-1,3-beta-glucosidase-related similar to glucan endo-1,3-beta-glucosidase precursor SP:P52409 from [Triticum aestivum]
MAKQSYFFVFTFLFLSLLSYCSSTTTHHDVLNPPTVFPTNPTTTPTATFPPVTITPTNPATTVPIVPPVTTIPPPTL
TPPPVITIPPPTLTPPVTNPVTNPVTQYPPTQPSGTVPVPVPVVAPPVVSNSPSVSGQSWCVAKPGASQVSLQQALD
YACGIADCSQLQQGGNCYSPISLQSHASFAFNSYYQKNPSPQSCDFGGAASLVNTNPSTGSCIYQTGSSTSTPMTAG
TTTPTPSTQTVNQPPVTSTPIIPTGGGIIGVGTPPAIFNPANPTSNTLNNPSSGGLAGGYGFDGSPNENNPTSSDST
HLKIHFGHAMVATLILHAVLFH

>At1g62500-PRP14 68414.m07052 protease inhibitor/seed storage/lipid transfer protein (LTP) family protein similar to auxin down regulated GB:X69640 GI:296442 from [Glycine max]; contains Pfam profile PF00234: Protease inhibitor/seed storage/LTP family
MGSRVLASFFVFLIFTVITLPPTIQACTPCTRPHPPVPKPPQHGGGGGGGSKPPPHHGGKGGGKPPPHGGKGGGPPH
HGGGGGGGGKSPPVVRPPPVVVRPPPIIRPPPVVYPPPIVRPPPITRPPIIIPPIQPPPVTTPPGLLPPITTPPGLL

PPVTTPPGLLPPVTTPPGLLPPIINPPPVTVPPPSSGYPPYGPPSGGGGGGGGKQPTCPINALKLGACVDVLGGLIH
IGLGNPVENVCCPVLQGLLELEAAVCLCTTIRLKLLNLNIFIPLALQALITCGINPPSGFVCPPLT

>At2g10940-PRP15 68415.m01167 protease inhibitor/seed storage/lipid transfer protein (LTP) family protein similar to proline-rich cell wall protein [Medicago sativa] GI:3818416; contains Pfam profile PF00234 Protease inhibitor/seed storage/LTP family
MDSSKLSSLSLCLFLICIIYLPQHSLACGSCNPRKGGKHSPKAPKLPVPPVTVPKLPVPPVTVPKLPVPPVTVPKLP
VPPVTIPKLPVPPVTVPKLPVPPVTVPKLPVPPVTVPKLPVPPVTVPKLPVPPVTVPKLPVPPVTVPKLPLPPISGL
PIPPVVGPNLPLPPLPIVGPILPPGTTPPATGGKDCPPPPGSVKPPSGGGKATCPIDTLKLGACVDLLGGLVKIGLG
DPAVNKCCPLLKGLVEVEAAACLCTTLKLKALDLNLYVPVALQLLLTCGKNPPPGYTCSI

>At3g22120-PRP16 68416.m02792 protease inhibitor/seed storage/lipid transfer protein (LTP) family protein similar to SP|Q00451|PRF1_LYCES 36.4 kDa proline-rich protein Lycopersicon esculentum, proline-rich cell wall protein [Medicago sativa] GI:3818416; contains Pfam profile PF00234 Protease inhibitor/seed storage/LTP family
MGSRSQNLSFLVLLLLGFVAVSYACDCTPPKPSPAPHKPPKHPVKPPKPPAVKPPKPPAVKPPTPKPPTVKPHPKPP
TVKPHPKPPTVKPHPKPPTVKPPHPKPPTKPHPHPKPPIVKPPTKPPPSTPKPPTKPPPSTPKPPTTKPPPSTPKPP
HHKPPPTPCPPPTPTPTPPVVTPPTPTPPVITPPTPTPPVVTPPTPTPPVITPPTPTPPVITPPTPTPPVVTPPTPT
PPVVTPPTPTPPTPIPETCPIDTLKLGACVDVLGGLIHIGLGKSHAKAECCPVLGGLLDLDAAVCLCTTIKLKLLNI
DLVLPIALELLLDCGKTPPSDFKCPA

>At4g15160-PRP17 68417.m02327 protease inhibitor/seed storage/lipid transfer protein (LTP) family protein similar to SP|Q00451|PRF1_LYCES 36.4 kDa proline-rich protein Lycopersicon esculentum, proline-rich cell wall protein [Medicago sativa] GI:3818416; contains Pfam profile PF00234 Protease inhibitor/seed storage/LTP family
MALLHKQNISFVILLLLGLLAVSYACDCSDPPKPSPHPVKPPKHPAKPPKPPTVKPPTHTPKPPTVKPPPPYIPCPP
PPYTPKPPTVKPPPPPYVKPPPPPTVKPPPPPYVKPPPPPTVKPPPPPTPYTPPPPTPYTPPPPTVKPPPPPVVTPP
PPTPTPEAPCPPPPPTPYPPPPKPETCPIDALKLGACVDVLGGLIHIGLGKSYAKAKCCPLLDDLVGLDAAVCLCTT
IRAKLLNIDLIIPIALEVLVDCGKTPPPRGFKCPTPLKRTPLLEVHKSRSFNNQAPSSQRNQGIENPEEDSVNKFLQ
LLAMLVLPLEFLAKDGVVLVGEKKVTSKLLQTSSSMEKMYKIDDHVACAVAGWDRNHGFQLYMSDPSGNYGGWQAAA
VGANNQAAQSILKQDYKDDATREEVVQLAIKVLSKTMTARLDS

>At5g14920-PRP18 68418.m01750 gibberellin-regulated family protein similar to SP|P46689 Gibberellin-regulated protein 1 precursor {Arabidopsis thaliana}; contains Pfam profile PF02704: Gibberellin regulated protein
MALSLLSVFIFFHVFTNVVFAASNEESNALVSLPTPTLPSPSPATKPPSPALKPPTPSYKPPTLPTTPIKPPTTKPP
VKPPTIPVTPVKPPVSTPPIKLPPVQPPTYKPPTPTVKPPSVQPPTYKPPTPTVKPPTTSPVKPPTTPPVQSPPVQP
PTYKPPTSPVKPPTTTPPVKPPTTTPPVQPPTYNPPTTPVKPPTAPPVKPPTPPPVRTRIDCVPLCGTRCGQHSRKN
VCMRACVTCCYRCKCVPPGTYGNKEKCGSCYANMKTRGGKSKCP