

## S5 Fig

<i>H. vulgare</i> Ror2 AY246907.1	1	MNNLFSSSWKRAAGAGGDGLESGGGVEMTAPP-----GAAAGASLDRFFEDVESIKDDIRELERIQRSLHDASAVRALRSRMDADVAAA KKAKVVKLRLESLDRANAANRSVA	120
<i>A. thaliana</i> AEE75103.1 syntaxis-121	1	MNDLFSSFSRFRSGE-PSPRRD-MAGGGDGVQMANPAGSTGGVNLDKFFEDVESVKEELKELEDRLNETLSSCHEOSKTLHNAKAVKDLRSKMDGDVGVALKKAKMIVVKLEALDRANAANRSLP	123
<i>A. ipaensis</i> XP_019428840.1	1	MNDLFSSFSRSLRNER-TSPDRH-HVIEMSAVT-PDAAGSGGVHLDKFFDDEVGVEKEELREVERLLQLQSHEOSKTLHNAAAVRDLSRMDADVSAAKKAKVIKLRLLEALDRSNAANRNL	121
<i>C. cajan</i> XP_020240337.1	1	MNDLISGSFSRSLRNER-RNTEQASP-DGHVIEMASP----PSSGGVNLNEKFFEEVESVKEELKELEELARSLKSGHEOSKTLHNAKAVKDLRSRMDADVALALKRAKLIVKIRLEALDRSNEASRSL	116
<i>C. cajan</i> XP_020220797.1	1	MNDLISGSFSRFRGEQ-ASPEHHQHVEMSGIGR---RGG---EVNLDKFFEDVEGVKEELKELEELARSLKSGHEOSKTLHNAKAVKDLRSRMDADVALALKRAKLIVKIRLEALDRSNEASRSL	119
<i>P. vulgaris</i> XP_007145783.	1	MNDLISGSFSRFRSER-ASPDRH-HVIEMTVGG---DGAGGVVKVLNDKFFEDVESVKEELKELEGLAQSLRRSHEOSKTLHNANAVKDLRSRMDGDVSVALKKAKLJLKLLEALDRSNAANRNL	121
<i>G. max</i> XP_003519112.1	1	MNDLFSSFSRFRSDQ-SSPDRH-HDIEMGATAS--SGGRGGEVNLNDKFFEDVEGVKEELKELEGLAQSLRSSHEOSKTLHNAKAVRDLRARMGDGVSAALKAKLJLKLLEALERSNAANRNMP	121
<i>L. angustifolius</i> XP_019428840.1	1	MNDLFSSFSRFRSEE-RLHSDR-ASPDRH-HVIEMSTAAT-DAAAPSGGVNLNDKFFDDEVGVDKDELKELDQIAKSLQNSNEOSKTHDAKSVKDLRSRMDDDVSLALKAKVVKIRLEALERSNAANRNL	119
<i>C. arietinum</i> XP_004497646.1	1	MNNLFSSFSRFRSEE-TSPDRH-HVIEMSDTG---ANSTGGRVNLNDKFFDDEVGVDKDELKELEGISNRLEKSHEKSTLHDAKSVKELRSRMDDDVSVALKAKMVKLKEALERSNAANRNL	120
<i>M. truncatula</i> XP_003590328.1	1	MNDLFSSFSRFRSDQVSPDNHHVIEMSNPN---TAQTVHLNDKFFEEVEGVKEELKELEDRLYESLRVSHERSKTLHSAKAVKDIRSKMDADVALALKAKLVKRLLEALDRSNEASRSL	120
<i>M. truncatula</i> XP_003590329.1 syntaxis 122 protein	1	MNNLFGTGFSRFRSEE-VSPDRH-HVIEMTDGAGTRGAGAGRINLDKFFDDEVGVDKDLKELESIHCRSLSKTNEQTKTVDHAKGVKELRSRMDEEVSAALKAKMVKKLLEALKERSNAANRNL	124
<i>L. culinaris</i> cv. Alpo 1	1	MNNLFNTSFSRHFSEE-PTPDRH-HVIEMTDAG---SPGTGARVNLDKFFDDEVGVDKDLKELEAISQKLNKNEOSKTIHDAKGKVELRSRMDDDVSVALKAKMVKLKEALERSNAANRNL	120
<i>L. culinaris</i> cv. Alpo 2	1	MNNLFNTSFSRHFSEE-PTPDRH-HVIEMTDAG---SPGTGARVNLDKFFDDEVGVDKDLKELEAISQKLNKNEOSKTIHDAKGKVELRSRMDDDVSVALKAKMVKLKEALERSNAANRNL	120
<i>L. culinaris</i> GFB01017428.1	1	MNNLFNTSFSRHFSEE-PTPDRH-HVIEMTDAG---SPGTGARVNLDKFFDDEVGVDKDLKELEAISQKLNKNEOSKTIHDAKGKVELRSRMDDDVSVALKAKMVKLKEALERSNAANRNL	120
<i>L. odemensis</i>	1	MNNLFNTSFSRHFSEE-PTPDRH-HVIEMTDAG---SPGTGARVNLDKFFDDEVGVDKDLKELEAISQKLNKNEOSKTIHDAKGKVELRSRMDDDVSVALKAKMVKLKEALERSNAANRNL	120
<i>H. vulgare</i> Ror2 AY246907.1	121	GCGPGSSSTDRTRTSVAGLRKKLRDAMESFSSLRSRSTSEYRETVARRYFTVTGSQPDEATLDTLAETGEGERLQRAIAEAOGRGEVLGVVAEIQERHGAVALERSLELQQVNDMAVLVAAC	246
<i>A. thaliana</i> AEE75103.1 syntaxis-121	124	GCGPGSSSSDRTRTSVNGLRKKLMDMSDFSNRRELISSEYRETQVRRYFTVTGENPDERTLDRISTGESERFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKNLRELHQVFLDMALVHEO	248
<i>A. ipaensis</i> XP_019428840.1	122	GCGPGSSSSDRTRTSVNGLKKKLKDSMESFNLRRQQISAEYRETQVRRYFTVTGENPDERTLDRISTGESERFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKNLRELHQVFLDMALVQTO	246
<i>C. cajan</i> XP_020240337.1	117	GCGPGSSSSDRTRTSVNGLKKKLKDSMESFNLRRQQISSEYRETQVRRYFTVTGENPDERTLDRISTGESERFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKNLRELHQVFLDMALVQSO	241
<i>C. cajan</i> XP_020220797.1	120	GCGPGSSSSDRTRTSVNGLKKKLKDSMESFNEIRHVSSEYRETQVRRYFTVTGENPDDNTLDRISTGESETFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKSLKELHQVFLDMALVQHO	244
<i>P. vulgaris</i> XP_007145783.	122	GCGPGSSSSDRTRTSVNGLKKKLKDSMESFNEIRQLVSSEYRETQVRRYFTVTGENPDDNTLDRISTGESETFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKSLKELHQVFLDMALVQHO	246
<i>G. max</i> XP_003519112.1	122	GCGPGSSSSDRTRTSVNGLKKKLKDSMESFNEIRQLVSSEYRETQVRRYFTVTGENPDDNTLDRISTGESETFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKNLRELHQVFLDMALVQHO	246
<i>L. angustifolius</i> XP_019428840.1	120	GCGPGSSSSDRTRTSVNGLKKKLKDSMESFNEIRQLISSEYRDITVQRRYFTVTGENPDEKTLDRISTGESSETFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKNLRELHQVFLDMALVQSO	244
<i>C. arietinum</i> XP_004497646.1	121	GCGPGSSSSDRTSSSVNGLKKKLKDSMTDFNRLRELIISSEYRETQVRRYFTVTGENPDDNTLDRISTGESSETFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKSLLRELHQVFLDMALVQFO	245
<i>M. truncatula</i> XP_003590328.1	121	GAGPGSSSSDRTTSVSVNGLRKKLKDSMDSFNRLRQQISSEYRETQVRRYFTVTGENPDDKTVLDRISTGESSETFLQKAIQQGRANIMDTIQEIQRERHADVKDIEKNLRELHQVFLDMALVQSO	245
<i>M. truncatula</i> XP_003590329.1 syntaxis 122 protein	125	GCGPGSSSSDRTSSSVNGLKKKLKDSMESFNRREVITTEYRETQVRRYFTVTGENPDDKTLDRISTGESSETFLQKAIQEGRGRVLDTNEIQRERHADVKDIEKSLLALHQVFLDMALVQFO	249
<i>L. culinaris</i> cv. Alpo 1	121	GCGPGSSSSDRTSSSVNGLKKKLRSMETFNRLREVISSEYRETQVRRYFTVTGENPDDKTLDRILLSSGESETFLQKAIQEGRGRVLDTNEIQRERHADVKELEKNLLALHQVFLDMALVQFO	245
<i>L. culinaris</i> cv. Alpo 2	121	GCGPGSSSSDRTSSSVNGLKKKLRSMETFNRLREVISSEYRETQVRRYFTVTGENPDDKTLDRILLSSGESETFLQKAIQEGRGRVLDTNEIQRERHADVKELEKNLLALHQVFLDMALVQFO	245
<i>L. culinaris</i> GFB01017428.1	121	GCGPGSSSSDRTSSSVNGLKKKLRSMETFNRLREVISSEYRETQVRRYFTVTGENPDDKTLDRILLSSGESETFLQKAIQEGRGRVLDTNEIQRERHADVKELEKNLLALHQVFLDMALVQFO	245
<i>L. odemensis</i>	121	GCGPGSSSSDRTSSSVNGLKKKLRSMETFNRLREVISSEYRETQVRRYFTVTGENPDDKTLDRILLSSGESETFLQKAIQEGRGRVLDTNEIQRERHADVKELEKNLLALHQVFLDMALVQFO	245
<i>H. vulgare</i> Ror2 AY246907.1	247	GEQLDDIEGHVGRARSFVDRGRREQIQLVARKHOKSSRKWTFIGIGILVVVILIVIPILKNTNKNSSNNNN-----SQ-----	318
<i>A. thaliana</i> AEE75103.1 syntaxis-121	249	GAOLDDIESHVGRASSFIRGGTDQLOTARVYKQNTRKWTCAIILIIILIIIVVVLAFLKPWNNSGGGGGGGGTTGGSQPN-SGTPPNPPQARRLLR-	346
<i>A. ipaensis</i> XP_019428840.1	247	GEQLDDIEHVGRASHEVHTGTERLOTARKHQKNTRKWTFCIIILLLAIILVLLVVLKPWHNGSSG-----GGSQPAPAOPTPPPPPPAGA-----	333
<i>C. cajan</i> XP_020240337.1	242	GEQLDDIEHVGRASHEVHTGTERLOTARKHQKNTRKWTFCIIILLLAIILVLLVVLKPWHNGSSG-----GGSQPAPAOPTPPPPPPAGA-----	302
<i>C. cajan</i> XP_020220797.1	245	GEQLDDIEHVGRASHEVHTGAEQLOTARKHQKNTRKWTCYCIIILLLVIIILVLLVFTVPWPKHSSSGS-----DGSQPAPAOPTPPPPPVNA-----	331
<i>P. vulgaris</i> XP_007145783.	247	GEQLDDIEHVGRASHEVHTGAEQLOTARKHQKNTRKWTCYCIIILLLVIIILVLLVFTVPWEGSSNSGN-----GGNQSTPAQTPSPPPPQAQP-----	335
<i>G. max</i> XP_003519112.1	247	GEQLDDIEHVGRASHEVHTGAEQLOTARKHQKNTRKWTCYCIIILLLVIIILVLLVFTVPWENSSSGN-----GGGQPAPAOPTPPSPSPPVNA-----	335
<i>L. angustifolius</i> XP_019428840.1	245	GEQLDDIEHVGRASHEVHTGAEQLOTARKHQRSFRKWTCYAIIILILVIIVLVFLVFTVPWEKKGSSGN-----GGNQPASAOTPPLSPPPPTA-----	333
<i>C. arietinum</i> XP_004497646.1	246	GEQLDNIENHVGRASSEVHNGAEQLOTARKHQKNTRKWTCYAIIILILVIIVLVFLVFTVPWKNSDSCGS-----GGSQPAPAOQTPSPPPPFA-----	332
<i>M. truncatula</i> XP_003590328.1	246	GEQLDNIENHVGRASSEVHNGAEQLOTARKHQKNTRKWTCAIILLLAIILVLLVFLVFTVPWKNSDSCGS-----GGSQPAPAOQTPSPPPPFA-----	306
<i>M. truncatula</i> XP_003590329.1 syntaxis 122 protein	250	GEQLDDIEHVGRASSFVHTGTDQLOTARKHQKNTRKWACYCIIILLLVIIVLVLATVPKWOHNDSGGG-----GGNQPAPAOQTPSPPPPSSGGT-----	339
<i>L. culinaris</i> cv. Alpo 1	246	GEQLDDIEHVGRASSFVHTGAEHLETARKHQKNTRKWTCYIILILVIIVLVFLVFTVPKWPQHD-GGG-----GDSQPAPAOQTPSPPPPSSPPAST	335
<i>L. culinaris</i> cv. Alpo 2	246	GEQLDDIEHVGRASSFVHTGAEHLETARKHQKNTRKWTCYIILILVIIVLVFLVFTVPKWPQHD-GGG-----GDSQPAPAOQTPSPPPPSSPPAST	335
<i>L. culinaris</i> GFB01017428.1	246	GEQLDDIEHVGRASSFVHTGAEHLETARKHQKNTRKWTCYIILILVIIVLVFLVFTVPKWPQHD-GGG-----GDSQPAPAOQTPSPPPPSSPPAST	335
<i>L. odemensis</i>	246	GEQLDDIEHVGRASSFVHTGAEHLETARKHQKNTRKWTCYIILILVIIVLVFLVFTVPKWPQHD-GGG-----GDSQPAPAOQTPSPPPPSSPPAST	335