

Table S5: Annotation of the identified glycoproteins for *Acyrtosiphon pisum*. The list contains the accession number from Aphidbase, an abundance index (emPAI index) and the putative number of *N*-glycosylation sites.

Protein ID	Protein description	emPAI	putative <i>N</i>-glycosylation sites
ACYPI009769-PA	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE	3,6419	2
ACYPI005249-PA	UNCHARACTERIZED	2,8309	0
ACYPI002286-PA	AAA-FAMILY ATPASE	2,5286	2
ACYPI000011-PA	SERINE CARBOXYPEPTIDASE	2,3404	5
ACYPI008874-PA	TUBULIN BETA CHAIN	2,3243	2
ACYPI47197-PA	CHAPERONIN	2,1623	0
ACYPI004403-PA	AMINOPEPTIDASE N-RELATED	1,4848	6
ACYPI001736-PA	UNCHARACTERIZED	1,4712	5
ACYPI23515-PA	LEUCINE-RICH TRANSMEMBRANE PROTEINS	1,2537	5
ACYPI000064-PA	ACTIN	1,2387	1
ACYPI34982-PA	LEUCINE-RICH TRANSMEMBRANE PROTEINS	1,2387	5
ACYPI000071-PA	40S RIBOSOMAL PROTEIN S15	1,1543	0
ACYPI008976-PA	ACID PHOSPHATASE-1	1,1543	5
ACYPI48450-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	1,1543	3
ACYPI004741-PA	GLUCOSE DEHYDROGENASE	1,0431	2
ACYPI004906-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	1,0091	8
ACYPI001302-PA	ALPHA-GALACTOSIDASE/ALPHA-N-ACETYLGALACTOSAMINIDASE	0,9055	6
ACYPI008776-PA	CLATHRIN HEAVY CHAIN	0,878	7
ACYPI009513-PA	ALPHA-GALACTOSIDASE/ALPHA-N-ACETYLGALACTOSAMINIDASE	0,8587	3
ACYPI006238-PA	EUKARYOTIC TRANSLATION INITIATION FACTOR 3F, EIF3F	0,848	1
ACYPI001776-PA	LAMININ	0,8382	9
ACYPI003702-PA	PROCOLLAGEN/CELL ADHESION MOLECULE RELATED	0,8022	4
ACYPI001315-PA	CELL ADHESION MOLECULE	0,7783	6
ACYPI001436-PA	ALPHA-AMYLASE	0,7783	3
ACYPI002010-PA	HEAT SHOCK PROTEIN 90	0,7783	4
ACYPI003547-PA	MACROPHAGE MIGRATION INHIBITORY FACTOR RELATED	0,7783	1
ACYPI004434-PA	ELONGATION FACTOR 1-ALPHA	0,7783	1

ACYPI006035-PA	ACTIN	0,7783	0
ACYPI008325-PA	40S RIBOSOMAL PROTEIN S2	0,7783	0
ACYPI009454-PA	40S RIBOSOMAL PROTEIN S24	0,7783	1
ACYPI007079-PA	PROLYL 4-HYDROXYLASE ALPHA SUBUNIT	0,7474	4
ACYPI23892-PA	VITELLOGENIN-RELATED	0,7342	8
ACYPI000580-PA	NEPRILYSIN	0,7084	6
ACYPI001461-PA	GLUTAMINE SYNTHETASE	0,7014	2
ACYPI004676-PA	GALACTOSE-SPECIFIC C-TYPE LECTIN	0,7014	0
ACYPI21131-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	0,7014	6
ACYPI32283-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	0,668	3
ACYPI002483-PA	EUKARYOTIC INITIATION FACTOR 4A	0,6497	2
ACYPI008065-PA	FATTY ACID SYNTHASE	0,6237	6
ACYPI008926-PA	PROTEIN DISULFIDE ISOMERASE	0,6237	0
ACYPI000091-PA	40S RIBOSOMAL PROTEIN S26	0,5849	1
ACYPI000918-PA	LYSOSOMAL ALPHA-MANNOSIDASE	0,5849	7
ACYPI001447-PA	CARBOXYLESTERASE	0,5849	3
ACYPI003079-PA	DEOXYRIBONUCLEASE II	0,5849	3
ACYPI008181-PA	60S RIBOSOMAL PROTEIN L17	0,5849	0
ACYPI30377-PA	LEUCINE-RICH TRANSMEMBRANE PROTEINS	0,5849	1
ACYPI000371-PA	LYSOSOMAL ALPHA-MANNOSIDASE	0,5707	11
ACYPI007662-PA	LAMININ	0,5631	11
ACYPI55286-PA	LAMININ	0,557	7
ACYPI000731-PA	LEUCINE-RICH TRANSMEMBRANE PROTEINS	0,546	9
ACYPI000023-PA	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 11	0,5198	0
ACYPI001013-PA	C-type lectin-like	0,5198	2
ACYPI009480-PA	ORNITHINE AMINOTRANSFERASE	0,5198	2
ACYPI003061-PA	YELLOW PROTEIN-RELATED	0,4925	3
ACYPI000039-PA	60S RIBOSOMAL PROTEIN L30	0,4679	1
ACYPI000040-PA	60S ACIDIC RIBOSOMAL PROTEIN P2	0,4679	1
ACYPI001221-PA	UDP-N-ACETYLGLUCOSAMINE--PEPTIDE N-ACETYLGLUCOSAMINYLTRANSF	0,4679	2
ACYPI004925-PA	ALPHA-GALACTOSIDASE/ALPHA-N-ACETYLGLACTOSAMINIDASE	0,4679	4

ACYPI006593-PA	LOW DENSITY LIPOPROTEIN RECEPTOR	0,4679	5
ACYPI001790-PA	SERINE PROTEASE INHIBITOR, SERPIN	0,4454	12
ACYPI004819-PA	PROTEASE S28 PRO-X CARBOXYPEPTIDASE-RELATED	0,4454	6
ACYPI006716-PA	PROLYLCARBOXYPEPTIDASE	0,425	6
ACYPI002758-PA	SERINE/THREONINE PROTEIN PHOSPHATASE	0,4031	1
ACYPI000031-PA	40S RIBOSOMAL PROTEIN S12	0,3896	2
ACYPI002182-PA	HISTONE H2B	0,3896	0
ACYPI008145-PA	PROTEASE FAMILY C26 GAMMA-GLUTAMYL HYDROLASE	0,3896	3
ACYPI009342-PA	GLYCOGEN DEBRANCHING ENZYME	0,3896	0
ACYPI010127-PA	40S RIBOSOMAL PROTEIN S3A	0,3896	1
ACYPI49697-PA	UNCHARACTERIZED	0,3896	3
ACYPI003972-PA	PROTEASE S28 PRO-X CARBOXYPEPTIDASE-RELATED	0,3737	4
ACYPI002298-PA	TREHALASE	0,3593	4
ACYPI004314-PA	26S PROTEASOME NON-ATPASE REGULATORY SUBUNIT 8	0,3593	2
ACYPI000016-PA	HSP40, SUBFAMILY A, MEMBERS 1,2,4	0,3335	0
ACYPI000292-PA	LEUCINE-RICH TRANSMEMBRANE PROTEINS	0,3335	4
ACYPI006346-PA	UNCHARACTERIZED	0,3335	0
ACYPI006761-PA	TUBULIN ALPHA CHAIN	0,3335	1
ACYPI009718-PA	26S PROTESOME SUBUNIT 6	0,3335	0
ACYPI010073-PA	TUBULIN ALPHA CHAIN	0,3335	1
ACYPI49696-PA	UNCHARACTERIZED	0,3183	1
ACYPI000012-PA	CATHEPSIN B	0,311	2
ACYPI000432-PA	OXIDASE/PEROXIDASE	0,311	7
ACYPI000001-PA	PROTEASE M1 ZINC METALLOPROTEASE	0,2978	14
ACYPI008675-PA	METALLOPROTEASE	0,2978	3
ACYPI000058-PA	COFILIN-RELATED	0,2915	1
ACYPI002498-PA	AMINOPEPTIDASE N-RELATED	0,2915	1
ACYPI002553-PA	40S RIBOSOMAL PROTEIN S10	0,2915	0
ACYPI003298-PA	40S RIBOSOMAL PROTEIN S6	0,2915	2
ACYPI008080-PA	TCTPROTEIN	0,2915	1
ACYPI003145-PA	CARBOXYLESTERASE	0,2826	4

ACYPI000061-PA	ATP SYNTHASE BETA SUBUNIT	0,2688	0
ACYPI009732-PA	BETA-GALACTOSIDASE RELATED	0,2688	9
ACYPI003206-PA	EGF-LIKE DOMAIN PROTEIN	0,2607	23
ACYPI000002-PA	ALPHA-AMYLASE	0,2589	3
ACYPI001928-PA	UNCHARACTERIZED	0,2589	3
ACYPI002881-PA	ALPHA-GALACTOSIDASE/ALPHA-N-ACETYLGALACTOSAMINIDASE	0,2589	3
ACYPI006264-PA	BETA-GALACTOSIDASE	0,2589	3
ACYPI009816-PA	26S PROTEASOME REGULATORY SUBUNIT S3	0,2589	1
ACYPI009856-PA	RIBOSOMAL PROTEIN S9	0,2589	0
ACYPI010019-PA	LAMININ	0,2589	11
ACYPI30879-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	0,2589	10
ACYPI48447-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	0,2589	7
ACYPI008178-PA	MYOSIN	0,2511	8
ACYPI003807-PA	SERINE PROTEASE-RELATED	0,2451	2
ACYPI007027-PA	FRUCTOSE-BISPHOSPHATE ALDOLASE	0,2451	0
ACYPI004352-PA	BETA-HEXOSAMINIDASE	0,2411	5
ACYPI009980-PA	BETA-HEXOSAMINIDASE	0,2411	6
ACYPI000081-PA	40S RIBOSOMAL PROTEIN S18	0,2328	0
ACYPI002457-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	0,2328	3
ACYPI002825-PA	VON WILLEBRAND FACTOR, TYPE A DOMAIN CONTAINING	0,2328	8
ACYPI004023-PA	MITOCHONDRIAL CARRIER PROTEIN	0,2328	1
ACYPI006814-PA	UNCHARACTERIZED	0,2218	7
ACYPI008897-PA	SERINE PROTEASE INHIBITOR, SERPIN	0,2218	3
ACYPI004271-PA	RIBOSOMAL PROTEIN S2	0,2114	1
ACYPI007447-PA	Galactose-binding domain-like	0,2114	3
ACYPI008041-PA	PROCOLLAGEN/CELL ADHESION MOLECULE RELATED	0,2114	0
ACYPI009057-PA	TUBULIN	0,2114	1
ACYPI008184-PA	CELL ADHESION MOLECULE	0,2078	9
ACYPI002661-PA	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 6-RELATED	0,2023	2
ACYPI004360-PA	INOSINE-5-MONOPHOSPHATE DEHYDROGENASE	0,2023	1
ACYPI000969-PA	TROPOMYOSIN	0,1937	1

ACYPI002402-PA	ALPHA-GALACTOSIDASE/ALPHA-N-ACETYLGALACTOSAMINIDASE	0,1937	3
ACYPI002662-PA	TRANSKETOLASE	0,1937	1
ACYPI007003-PA	CREG1 PROTEIN	0,1937	1
ACYPI007933-PA	UNCHARACTERIZED	0,1937	2
ACYPI009967-PA	UNCHARACTERIZED	0,1937	4
ACYPI004258-PA	FATTY ACID SYNTHASE	0,1918	8
ACYPI000088-PA	L-XYLULOSE REDUCTASE	0,1787	2
ACYPI001648-PA	FAMILY NOT NAMED	0,1787	1
ACYPI003593-PA	RIBOSOMAL PROTEIN L5	0,1787	0
ACYPI004024-PA	RAS-RELATED GTPASE	0,1787	0
ACYPI005092-PA	60S RIBOSOMAL PROTEIN L6	0,1787	0
ACYPI010069-PA	UNCHARACTERIZED	0,1787	2
ACYPI000588-PA	CHAPERONIN	0,1722	1
ACYPI000079-PA	60S ACIDIC RIBOSOMAL PROTEIN FAMILY MEMBER	0,166	1
ACYPI000189-PA	JHBP	0,166	4
ACYPI000257-PA	CHAPERONIN	0,166	3
ACYPI001186-PA	26S PROTEASOME REGULATORY ATPASE SUBUNIT	0,166	0
ACYPI002133-PA	26S PROTEASOME NON-ATPASE REGULATORY SUBUNIT 4	0,166	0
ACYPI002440-PA	PROTEASE FAMILY C26 GAMMA-GLUTAMYL HYDROLASE	0,166	5
ACYPI007515-PA	EXTRACELLULAR MATRIX GLYCOPROTEIN RELATED	0,166	5
ACYPI005230-PA	PROTEASE T2 ASPARAGINASE	0,1548	1
ACYPI005376-PA	SECRETED GLUCOSIDASE-RELATED	0,1548	1
ACYPI008059-PA	ALPHA-GLUCOSIDASE	0,1548	7
ACYPI007706-PA	CHAPERONIN	0,1497	2
ACYPI000100-PA	30S/40S RIBOSOMAL PROTEIN S4	0,145	1
ACYPI006239-PA	GLUTAMINE SYNTHETASE	0,145	1
ACYPI010112-PA	26S PROTEASOME REGULATORY SUBUNIT	0,145	2
ACYPI006675-PA	PROTEASE M1 ZINC METALLOPROTEASE	0,1421	7
ACYPI005215-PA	L-ASPARAGINASE	0,1405	8
ACYPI002536-PA	CADHERIN	0,1345	12
ACYPI009151-PA	CHAPERONIN	0,1327	1

ACYPI004339-PA	EGF-LIKE DOMAIN PROTEIN	0,1314	10
ACYPI005469-PA	ACETYL-COA ACETYLTRANSFERASE	0,1288	1
ACYPI007383-PA	BETA-HEXOSAMINIDASE	0,1288	2
ACYPI007679-PA	26S PROTEASOME REGULATORY SUBUNIT 7, PSD7	0,1288	2
ACYPI008920-PA	SERINE CARBOXYPEPTIDASE	0,1288	4
ACYPI009633-PA	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 3	0,1288	1
ACYPI001732-PA	DENDRITIC CELL PROTEIN GA17	0,122	4
ACYPI005498-PA	GLYPICAN	0,122	1
ACYPI33248-PA	LEUCINE-RICH TRANSMEMBRANE PROTEINS	0,122	6
ACYPI000554-PA	CELL ADHESION MOLECULE	0,1105	6
ACYPI000631-PA	CARBOXYLESTERASE	0,1105	3
ACYPI007621-PA	UNCHARACTERIZED	0,1105	10
ACYPI008775-PA	SERINE PROTEASE INHIBITOR, SERPIN	0,1105	2
ACYPI000180-PA	SERINE PROTEASE INHIBITOR, SERPIN	0,1076	5
ACYPI008996-PA	HEAT SHOCK PROTEIN 70KDA	0,1076	6
ACYPI009915-PA	HEAT SHOCK PROTEIN 90	0,1076	2
ACYPI000933-PA	26S PROTEASOME SUBUNIT S9	0,1054	1
ACYPI005134-PA	ACID PHOSPHATASE-RELATED	0,1054	5
ACYPI006221-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	0,1054	7
ACYPI000119-PA	PROTEIN DISULFIDE ISOMERASE	0,1008	1
ACYPI001203-PA	AMINOPEPTIDASE N-RELATED	0,1008	12
ACYPI001272-PA	NADP-SPECIFIC ISOCITRATE DEHYDROGENASE	0,1008	1
ACYPI001622-PA	COATOMER GAMMA SUBUNIT	0,1008	3
ACYPI004825-PA	ANGIOPOIETIN 1 RECEPTOR	0,1008	7
ACYPI006821-PA	26S PROTEASE REGULATORY SUBUNIT 6B	0,1008	1
ACYPI010227-PA	PROTEASE FAMILY M28 PLASMA GLUTAMATE CARBOXYPEPTIDASE-RELAT	0,1008	2
ACYPI001125-PA	GLYCOGEN PHOSPHORYLASE	0,0985	5
ACYPI003124-PA	DEAD BOX ATP-DEPENDENT RNA HELICASE	0,0965	1
ACYPI004078-PA	PROTEASOME REGULATORY SUBUNITS	0,0965	2
ACYPI009317-PA	LAMININ	0,0932	11
ACYPI003954-PA	CYSTEINE PROTEASE FAMILY C1-RELATED	0,0927	4

ACYPI005091-PA	MULTICOPPER OXIDASE	0,0857	2
ACYPI007196-PA	RIBONUCLEASE T2	0,0857	9
ACYPI009744-PA	ALDEHYDE DEHYDROGENASE	0,0857	1
ACYPI005526-PA	CONTACTIN, INSECT	0,0827	7
ACYPI009772-PA	ALKALINE PHOSPHATASE	0,0827	6
ACYPI000669-PA	GLUCOSE DEHYDROGENASE	0,0797	2
ACYPI001686-PA	EUKARYOTIC TRANSLATION INITIATION FACTOR 3	0,0797	3
ACYPI005866-PA	ALDEHYDE DEHYDROGENASE	0,0797	2
ACYPI000575-PA	CHAPERONIN	0,0772	2
ACYPI005787-PA	NUCLEOLAR PROTEIN NOP56	0,0772	6
ACYPI005910-PA	EGF-LIKE DOMAIN PROTEIN	0,0772	5
ACYPI006024-PA	ALKALINE PHOSPHATASE	0,0772	4
ACYPI006138-PA	UBIQUITIN-ACTIVATING ENZYME E1	0,0772	3
ACYPI000622-PA	ATP SYNTHASE	0,0747	2
ACYPI005746-PA	VERY LONG-CHAIN ACYL-COA SYNTHETASE-RELATED	0,0723	2
ACYPI007757-PA	CARBOXYLESTERASE	0,0723	3
ACYPI009755-PA	PROTEIN DISULFIDE ISOMERASE	0,0723	0
ACYPI000135-PA	LEUCINE-RICH TRANSMEMBRANE PROTEIN	0,07	9
ACYPI000474-PA	HEAT SHOCK PROTEIN 70KDA	0,0681	6
ACYPI003478-PA	EXTRACELLULAR MATRIX GLYCOPROTEIN RELATED	0,0668	18
ACYPI009052-PA	BETA-GALACTOSIDASE	0,0641	3
ACYPI49694-PA	UNCHARACTERIZED	0,0641	3
ACYPI000145-PA	Terpenoid cyclases/Protein prenyltransferases	0,0624	5
ACYPI001244-PA	UNCHARACTERIZED	0,0624	3
ACYPI001940-PA	PHOSPHOFRUCTOKINASE	0,0624	1
ACYPI002583-PA	AMINOPEPTIDASE N-RELATED	0,0624	7
ACYPI002584-PA	ATP SYNTHASE	0,0624	4
ACYPI007629-PA	PAN	0,0624	6
ACYPI000928-PA	VON WILLEBRAND FACTOR	0,0607	8
ACYPI004887-PA	AMYLASE	0,0607	4
ACYPI004414-PA	FAMILY NOT NAMED	0,0593	1

ACYPI006586-PA	DIPEPTIDYL-PEPTIDASE	0,0593	3
ACYPI006589-PA	3-HYDROXYACYL-COA DEHYDROGENASE	0,0593	2
ACYPI000923-PA	GLYCOGEN DEBRANCHING ENZYME	0,0563	5
ACYPI008370-PA	SERINE PROTEASE-RELATED	0,0563	4
ACYPI000405-PA	TREHALOSE-6-PHOSPHATE SYNTHASE	0,0551	4
ACYPI002068-PA	LYSOSOMAL ALPHA-GLUCOSIDASE	0,0537	14
ACYPI008923-PA	EUKARYOTIC TRANSLATION ELONGATION FACTOR 2	0,0537	2
ACYPI010100-PA	CALSYNTENIN	0,0524	6
ACYPI000551-PA	26S PROTEASOME REGULATORY SUBUNIT	0,0491	8
ACYPI004006-PA	IMPORTIN (RAN-BINDING PROTEIN)	0,0491	3
ACYPI002258-PA	PROTEASE M1 ZINC METALLOPROTEASE	0,0481	10
ACYPI003481-PA	EUKARYOTIC TRANSLATION INITIATION FACTOR 3	0,0452	5
ACYPI009925-PA	EBNA2 BINDING PROTEIN P100	0,0452	5
ACYPI000734-PA	GLUTAMYL AMINOPEPTIDASE	0,0445	5
ACYPI002950-PA	26S PROTEASOME REGULATORY SUBUNIT	0,0445	5
ACYPI008056-PA	COATOMER BETA SUBUNIT	0,0435	5
ACYPI000303-PA	GLUTAMATE SYNTHASE	0,0411	5
ACYPI001659-PA	ZINC FINGER PROTEIN	0,0411	12
ACYPI003244-PA	Kunitz_BPTI	0,0402	14
ACYPI000667-PA	ALPHA-ACTININ	0,0392	0
ACYPI005729-PA	ACETYL-COA CARBOXYLASE	0,0373	10
ACYPI005219-PA	LEUCYL-TRNA SYNTHETASE	0,0349	4
ACYPI007409-PA	COATOMER ALPHA SUBUNIT	0,032	8
ACYPI002575-PA	PENTATRICOPEPTIDE REPEAT-CONTAINING PROTEIN	0,0271	12
ACYPI003639-PA	FnI-like domain	0,0268	14
ACYPI004766-PA	CARBAMOYLTRANSFERASE RELATED	0,0198	7
ACYPI007519-PA	HELICASE SKI2W	0,0198	9
ACYPI007298-PA	FATTY ACID SYNTHASE	0,0188	8
ACYPI001668-PA	SPECTRIN BETA CHAIN	0,0181	5
ACYPI004133-PA	SPECTRIN ALPHA CHAIN	0,0148	5
ACYPI002581-PA	DYNEIN HEAVY CHAIN	0,0139	16

