SUPPLEMENTARY MATERIALS

Methods

Statistical analysis

All data analyses were carried out in the statistical software R (version 2.14.0; R Development Core Team - 2011). For each bruchid species we analysed differences in beetle performance between different bean genotypes. The dependent variables for the different models were bruchid weights, days until adult emergence and percentage of beetle emergence. The explanatory variables for the models analysing bruchid weights and days until emergence were beetle sex, bean genotype and seed size. To analyse percentage of *A. obtectus* and *Z. subfasciatus* emergence we used bean genotype and seed size as covariates. For analyses on bruchid weights and days until adult emergence, the individual beetles were the experimental units, for analyses on percentage of beetle emergence, the individual containers were the experimental units. Data from beetles that emerged from the same container cannot be regarded as independent. We therefore included the container as random variable in analyses on beetle weight and days until emergence. Adding the container as random effect in a mixed model accounts for the all the covariances among observations from the same container (including bean genotype and beetle sex*container within bean genotype). General linear hypotheses and multiple comparisons were used to analyse if mean bruchid weights, mean days to adult emergence and mean percentage of emergence were different between bean genotypes (function glht from the package multcomp in R; Hothorn et al. 2008).

Data on beetle weights showed no departure from the assumptions of normality and heteroscedasticity; thus differences in weights between bean genotypes were analysed for both bruchid species using linear mixed effects models (function lme from the package nlme, version 3.1, in R; Pinheiro et al. 2011).Data on days until emergence were assumed to follow a Poisson distribution and were analyzed using generalized linear mixed effects models with a logarithmic link function (GLMM, function lmer from the package lme4, version 0.999375-42 in R; Douglas et al. 2011). A generalized linear model (GLM) assuming a binomial distribution of the response variable and a logit link function was used to analyse the percentage of beetles' emergence per container. All models were checked for overdispersion (function c_hat in the package AICcmodavg, version 1.18 in R; Mazerolle 2011), but none was detected.

To identify which factors most likely influence performance of bruchid beetles we used an information theoretic framework for model selection (Burnham and Anderson 2002). For each dependent variable (bruchid weight, days until emergence and percentage of bruchid emergence), we first created models with all possible combinations of explanatory variables. For example in the case of bruchid weights, models were fitted containing either only bruchid sex, seed size or bean genotype as explanatory variables, then the models with all 2-way combinations of the three factors and finally a model containing all three factors. We also fitted a model without any explanatory variable, i.e. just with an intercept. The same procedure was done for the two other model classes with the appropriate explanatory variables. All models were ranked according to their AIC (function aictab in the package AICcmodavg: Model selection and multimodel inference based on (Q)AIC(c)). R package version 1.21.; Marc J. Mazerolle (2011)). To determine the explanatory variables that explain bruchid performance best, all models were selected that conformed to two rules (Richards 2008). First, models with a ΔAICc value $\leq$ 6 were selected, i.e. all models whose AIC value was at most 6 higher than the lowest AIC obtained. As second rule a model was only selected if its AIC value was lower than AIC value of all the simpler

models within which it is nested (Richards 2008). The reasoning for this is if an additional parameter provides little or no increase in the model fit, the more complex model containing the additional parameter will have a ΔAICc value ≤ 2 to the simpler model. Therefore the more complex model fits the data equally well as the simpler model. However in such cases, the more complex model should not be considered, since nothing is explained by the additional complexity (Burnham and Anderson 2002; Richards 2008). The value of all model parameters was estimated by model averaging among the set of candidate models, which were chosen by the above selection procedure (function modavg in the package AICcmodavg). This method weights parameter estimates of more credible models (i.e. with a lower AIC) higher than those with a lower credibility. A parameter can be considered as having a significant effect on bruchid performance if its confidence interval does not include zero. Parameters which were not part of any model chosen by the selection can be considered as having no relevant explanatory power.

References

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Table 1S State of origin, altitude and GPS coordinates at which selected bean populations have been sampled in Mexico. [a] m.a.s.l.: meters above sea level; [b] GPS coordinates (dd: degrees; mm: minutes; ss: seconds)

bean population (State)	altitude (m.a.s.l.)[a]	latitude (dd mm ss.s)[b]	longitude (dd mm ss.s)[b]
ARRVP (Michoacán)	1848	N19 12 29.7	W101 43 11.7
ATL (Puebla)	1762	N18 52 40.3	W98 24 17.4
AXO (Puebla)	1896	N18 54 54.7	W98 27 29.2
COP1 (Michoacán)	2091	N19 26 59.6	W101 46 41.6
COPSPVC1 (Michoacán)	2092	N19 26 73.7	W101 46 28.2
COY (Michoacán)	1704	N19 20 93.9	W100 24 38.2
CVC2 (Morelos)	1843	N18 58 41.9	W99 12 57.5
CVC4 (Morelos)	1871	N18 58 47.6	W99 12 46.8
CVC6 (Morelos)	1886	N18 58 53.8	W99 12 34.8
DMSP (Michoacán)	1476	N19 06 65.9	W101 44 36.5
FENCE (México)	1527	N18 54 54.1	W99 29 23.3
HUYS1 (Morelos)	2039	N18 52 24.0	W98 42 49.2
ISA (Jalisco)	1541	N20 24 58.7	W102 25 06.1
JBSS (Puebla)	2159	N18 52 35.8	W98 35 59.6
MALS3 (México)	1828	N18 57 07.7	W99 30 16.5
MSLII (Michoacán)	1716	N19 12 00.5	W101 44 30.8
MSLIV (Michoacán)	1716	N19 12 00.5	W101 44 30.8
PIL2 (México)	1682	N18 56 54.4	W100 08 40.2
POC2 (Michoacán)	2026	N19 30 37.2	W100 22 675
QUES (Colima)	1319	N20 54 05.9	W103 24 80.3
SCH (Jalisco)	2023	N19 58 55.6	W103 00 94.2
SJSA (Morelos)	1830	N18 58 49.6	W99 00 35.5
SJSA5 (Morelos)	1862	N18 58 49.6	W99 00 27.3
TEM (México)	1936	N19 01 65.3	W100 02 47.4
TZNIP1 (Michoacán)	2071	N19 38 36.7	W101 32 74.7
VUL (Morelos)	1504	N18 57 59.6	W99 03 88.1

Table 2S List of 2-DE-based identified polypeptides by LC-MS/MS analysis from a) QUES seed extracts (a1 to a17) or b) QUES seeds frass of *A. obtectus* (b1 to b24). Spot numbers refer to those indicated in Figure 4 a and b, respectively.

For each spot (job ID) all the score of Peptide Match Score Summation (PMSS) are shown. AC: accession number assigned by Uniprot-Swiss-Prot (release 2010_12 of 30.11.2010); ID: identification in uniprotKB_tremble protein database (release_2011_02 of 08.02.2011); [a] indicates the name of the coding gene type; MW: expected molecular weights; pI: expected isoelectric point; PMSS: all scores from peptide spectral matches to one particular protein are added up and weighted by their identification quality. It is a measure for semi quantitative protein abundance (Heller et al. 2007; Stalder et al. 2008); [b] indicates the number of unique peptides identified; [c] indicates the number of peptides matching the identified protein.

job ID	AC	ID	gene description[a]	MW	pI	prot score	PMSS	% seq. cov.	nb unique pept[b]	nb pept matches[c]
a1	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)	29'569.23	4.94	121.5	612.7	59.3	16	79
a1	Q8RVY4	Q8RVY4_PHACN	Leucoagglutinating phytohemagglutinin (PHA-L)	27'324.63	5.94	56.1	352.0	25.8	7	45
a1	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	80.9	295.7	45.7	11	39
a1	P15231	PHAM_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'223.20	4.64	46.4	178.3	19.0	6	24
a1	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	52.4	149.7	27.2	7	21
a1	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	33.7	116.4	19.3	4	16
a1	Q40750	Q40750_PHAAT	Leucoagglutinating phytohemagglutinin (PHA-L)	29'755.21	4.84	22.3	112.9	8.7	3	16
a1	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	31.5	106.2	13.4	4	14
a1	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	21.0	78.1	9.1	3	11
a1	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	31.1	71.3	18.9	4	10
a1	Q5ZF33	Q5ZF33_9FABA	Leucoagglutinating phytohemagglutinin (PHA-L)	27'171.17	4.73	24.1	65.4	9.5	3	8
a1	Q43628	Q43628_PHAVU	Phytohemagglutinin	29'423.00	5.55	16.1	57.4	4.4	2	7
a1	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	16.5	32.1	100.0	2	4
a1	REV_B9HMW6	B9HMW6_POPTR	Predicted protein	68'225.24	9.15	15.2	21.6	3.0	2	3
a1	A2X2W9	A2X2W9_ORYSI	Putative uncharacterized protein	42'221.71	9.11	16.0	16.0	3.2	2	2
a2	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)	29'569.23	4.94	181.5	867.4	65.1	22	111
a2	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	115.7	515.3	51.6	14	66
a2	Q8RVY4	Q8RVY4_PHACN	Leucoagglutinating phytohemagglutinin (PHA-L)	27'324.63	5.94	83.9	426.3	23.8	10	54
a2	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	107.3	390.7	48.0	13	50
a2	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	83.7	375.1	43.7	10	48

a2	P15231	PHAM_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'223.20	4.64	69.6	288.2	24.6	9	39
a2	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	75.3	276.5	39.8	9	35
a2	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	63.1	239.2	25.6	8	32
a2	Q40750	Q40750_PHAAT	Leucoagglutinating phytohemagglutinin (PHA-L)	29'755.21	4.84	53.6	211.5	18.1	7	28
a2	Q43628	Q43628_PHAVU	Phytohemagglutinin	29'423.00	5.55	41.5	153.9	13.1	5	19
a2	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	44.5	153.1	20.6	6	20
a2	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	44.5	153.1	20.6	6	20
a2	Q5ZF33	Q5ZF33_9FABA	Leucoagglutinating phytohemagglutinin (PHA-L)	27'171.17	4.73	32.2	144.5	13.9	4	19
a2	Q8RW23	Q8RW23_PHACN	Erythroagglutinating phytohemagglutinin (PHA-E)	29'499.93	4.64	24.9	128.0	11.6	3	16
a2	B4XQ48	B4XQ48_SOYBN	Lectin	30'088.95	6.19	15.2	64.5	6.7	2	9
a2	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	15.2	28.4	100.0	2	4
a2	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	14.0	20.8	8.8	2	3
a2	Q2N1E0	Q2N1E0_PHAVU	Group 3 late embryogenesis abundant protein	50'640.15	5.92	15.2	15.2	5.8	2	2
a2	A2X2W9	A2X2W9_ORYSI	Putative uncharacterized protein	42'221.71	9.11	14.0	14.0	3.2	2	2
a2	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	13.9	13.9	9.0	2	2
a2	REV_C5Z5D8	C5Z5D8_SORBI	Putative uncharacterized protein Sb10g005210	40'417.19	5.98	13.3	13.3	6.5	2	2
a2	Q9SE31	Q9SE31_PHAVU	Arcelin (Arc-5c)	28'811.46	6.21	13.3	13.3	8.1	2	2
a3	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	193.4	1256.4	75.6	23	150
a3	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	169.1	1222.3	75.6	20	146
a3	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	157.2	950.5	69.3	19	115
a3	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	93.2	636.3	39.0	11	77
a3	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)	29'569.23	4.94	111.4	586.2	46.5	13	72
a3	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	107.6	560.8	42.9	13	72
a3	Q40750	Q40750_PHAAT	Leucoagglutinating phytohemagglutinin (PHA-L)	29'755.21	4.84	67.7	497.5	27.9	8	57
a3	Q8RW23	Q8RW23_PHACN	Erythroagglutinating phytohemagglutinin (PHA-E)	29'499.93	4.64	37.0	493.5	18.2	4	53
a3	P15231	PHAM_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'223.20	4.64	52.6	452.2	25.4	6	54
a3	Q8RVY4	Q8RVY4_PHACN	Leucoagglutinating phytohemagglutinin (PHA-L)	27'324.63	5.94	62.1	386.6	32.5	7	47
a3	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	59.4	350.0	29.0	7	39
a3	Q5ZF33	Q5ZF33_9FABA	Leucoagglutinating phytohemagglutinin (PHA-L)	27'171.17	4.73	35.2	346.8	19.8	4	39
a3	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	60.0	343.7	29.0	7	38
a3	Q43628	Q43628_PHAVU	Phytohemagglutinin	29'423.00	5.55	36.0	228.8	16.8	4	24
a3	B4XQ48	B4XQ48_SOYBN	Lectin	30'088.95	6.19	16.8	84.8	6.7	2	12
a3	Q2N1E0	Q2N1E0_PHAVU	Group 3 late embryogenesis abundant protein	50'640.15	5.92	36.2	50.2	11.8	5	7
a3	D7KIT6	D7KIT6_ARALY	ATRX/CHR20	168'910.69	5.31	12.7	18.9	1.5	2	3
a3	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	18.5	18.5	100.0	2	2

a4	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	89.7	471.4	58.7	10	56
a4	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	90.7	457.6	63.0	10	54
a4	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	70.9	356.1	48.4	8	42
a4	Q8RW23	Q8RW23_PHACN	Erythroagglutinating phytohemagglutinin (PHA-E)	29'499.93	4.64	30.7	257.5	14.5	3	29
a4	Q40750	Q40750_PHAAT	Leucoagglutinating phytohemagglutinin (PHA-L)	29'755.21	4.84	27.9	253.5	13.8	3	29
a4	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	20.7	250.5	10.7	2	29
a4	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	20.7	250.5	10.7	2	29
a4	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	27.7	165.8	16.5	3	20
a4	Q43628	Q43628_PHAVU	Phytohemagglutinin	29'423.00	5.55	18.8	156.6	8.8	2	17
a4	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	47.6	153.0	34.3	6	20
a4	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)	29'569.23	4.94	25.1	144.4	13.5	3	18
a4	P15231	PHAM_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'223.20	4.64	34.8	129.8	19.8	4	16
a4	Q41116	AR5B_PHAVU	Arcelin (Arc-5b)	29'266.86	7.02	15.4	126.3	4.6	2	16
a4	Q5ZF33	Q5ZF33_9FABA	Leucoagglutinating phytohemagglutinin (PHA-L)	27'171.17	4.73	28.2	117.2	15.9	3	14
a4	Q8RVY4	Q8RVY4_PHACN	Leucoagglutinating phytohemagglutinin (PHA-L)	27'324.63	5.94	25.4	113.2	15.1	3	14
a4	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	19.9	105.1	8.8	3	16
a4	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	20.6	52.8	9.0	3	8
a4	D7SLQ5	D7SLQ5_VITVI	Whole genome shotgun sequence of line PN40024, scaffold_21.assembly12x	147'462.91	6.61	13.0	25.4	1.7	2	4
a5	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	20.2	119.7	8.8	3	18
a5	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	44.1	59.2	28.7	5	7
a5	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	43.9	59.0	33.1	5	7
a5	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	35.7	50.9	24.8	4	6
a5	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	20.9	39.7	9.0	3	6
a5	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	20.0	35.3	12.6	2	4
a5	D7SLQ5	D7SLQ5_VITVI	Whole genome shotgun sequence of line PN40024, scaffold_21.assembly12x	147'462.91	6.61	14.4	32.9	1.7	2	5
a5	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	18.3	25.5	10.7	2	3
a5	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	18.3	25.5	10.7	2	3
a5	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)	29'569.23	4.94	16.9	24.3	9.8	2	3
a5	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	16.6	23.9	10.6	2	3
a5	Q43628	Q43628_PHAVU	Phytohemagglutinin	29'423.00	5.55	16.3	16.3	8.8	2	2
a6	Q41116	AR5B_PHAVU	Arcelin (Arc-5b)	29'266.86	7.02	17.0	190.4	4.6	2	23
a6	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	37.0	75.8	21.3	4	9
a6	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	28.8	67.6	17.3	3	8

a6	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	28.8	67.6	17.3	3	8
a6	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	13.9	59.2	8.8	2	9
a6	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	19.2	58.0	10.7	2	7
a6	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	19.2	58.0	10.7	2	7
a6	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	19.1	36.2	12.6	2	4
a7	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	103.4	392.8	66.1	12	48
a7	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	108.7	388.2	70.1	13	48
a7	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	90.9	326.2	59.8	11	40
a7	Q8RW23	Q8RW23_PHACN	Erythroagglutinating phytohemagglutinin (PHA-E)	29'499.93	4.64	27.8	211.3	14.5	3	26
a7	Q40750	Q40750_PHAAT	Leucoagglutinating phytohemagglutinin (PHA-L)	29'755.21	4.84	27.4	169.4	13.8	3	20
a7	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	61.9	154.6	37.4	8	21
a7	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	19.5	148.3	10.7	2	17
a7	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	19.5	148.3	10.7	2	17
a7	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	20.9	145.4	8.8	3	22
a7	Q43628	Q43628_PHAVU	Phytohemagglutinin	29'423.00	5.55	18.1	131.1	8.8	2	15
a7	P15231	PHAM_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'223.20	4.64	32.8	123.6	19.8	4	17
a7	Q5ZF33	Q5ZF33_9FABA	Leucoagglutinating phytohemagglutinin (PHA-L)	27'171.17	4.73	24.9	107.8	15.9	3	15
a7	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	37.0	93.6	21.3	4	11
a7	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)	29'569.23	4.94	47.0	83.2	30.2	6	11
a7	Q8RVY4	Q8RVY4_PHACN	Leucoagglutinating phytohemagglutinin (PHA-L)	27'324.63	5.94	37.7	79.0	28.6	5	11
a7	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	20.7	51.7	9.0	3	8
a7	D7SLQ5	D7SLQ5_VITVI	Whole genome shotgun sequence of line PN40024, scaffold_21.assembly12x	147'462.91	6.61	14.1	51.7	1.7	2	8
a8	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	19.5	52.0	8.8	3	8
a8	Q76KW1	Q76KW1_PEA	Glutathione S-transferase	26'710.38	5.05	13.9	27.0	10.7	2	4
a8	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	20.5	20.5	9.0	3	3
a8	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	18.1	18.1	11.4	2	2
a8	D8RZ00	D8RZ00_SELML	Putative uncharacterized protein	33'920.09	8.68	15.2	15.2	6.6	2	2
a8	Q2N1E0	Q2N1E0_PHAVU	Group 3 late embryogenesis abundant protein	50'640.15	5.92	13.6	13.6	5.8	2	2
a10	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	14.4	58.1	9.0	2	8
a10	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	17.4	38.2	100.0	2	5
a10	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	22.6	22.6	16.5	3	3
a10	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	22.5	22.5	16.5	3	3
a10	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	22.4	22.4	16.5	3	3
a10	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	22.4	22.4	16.5	3	3

a10	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	13.3	20.3	8.8	2	3
a11	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)	29'569.23	4.94	33.0	59.4	17.1	4	8
a11	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	19.3	57.1	100.0	2	7
a11	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	26.1	40.4	13.8	3	5
a11	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	13.3	31.6	8.8	2	5
a11	Q43628	Q43628_PHAVU	Phytohemagglutinin	29'423.00	5.55	17.0	29.1	8.8	2	4
a11	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	14.0	28.2	9.0	2	4
a11	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	15.5	27.6	10.6	2	4
a11	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	26.8	26.8	14.6	3	3
a11	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	18.6	18.6	10.6	2	2
a11	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	18.6	18.6	10.6	2	2
a11	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	18.6	18.6	10.7	2	2
a11	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	18.6	18.6	10.7	2	2
a11	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	12.4	12.4	11.7	2	2
a12	Q8RVX4	Q8RVX4_PHAVU	Arcelin (Arc-4-I)	27'164.19	6.08	13.9	54.0	7.8	2	8
a12	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	16.6	30.4	100.0	2	4
a12	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)	29'569.23	4.94	29.3	29.3	17.1	4	4
a12	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	28.3	28.3	16.7	4	4
a12	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	23.3	23.3	13.8	3	3
a12	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	18.2	18.2	10.6	2	2
a12	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	18.2	18.2	10.6	2	2
a12	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	18.2	18.2	10.6	2	2
a12	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	18.2	18.2	10.7	2	2
a12	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	18.2	18.2	10.7	2	2
a12	Q43628	Q43628_PHAVU	Phytohemagglutinin	29'423.00	5.55	16.1	16.1	8.8	2	2
a12	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	14.1	14.1	10.6	2	2
a13	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	14.7	80.3	8.0	2	12
a13	Q8RVX4	Q8RVX4_PHAVU	Arcelin (Arc-4-I)	27'164.19	6.08	14.7	80.3	8.2	2	12
a13	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	15.2	64.2	8.2	2	9
a13	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	21.8	27.9	15.8	3	4
a13	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	14.2	14.2	100.0	2	2
a14	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	58.1	108.6	26.3	7	14
a14	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	18.2	25.0	100.0	2	3
a14	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	14.7	22.4	5.3	2	3
a14	Q9SE31	Q9SE31_PHAVU	Arcelin (Arc-5c)	28'811.46	6.21	14.7	22.4	5.0	2	3

a16	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	13.0	19.2	11.7	2	3
a16	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	17.6	17.6	100.0	2	2
a16	REV_B9HMW6	B9HMW6_POPTR	Predicted protein	68'225.24	9.15	15.3	15.3	3.4	2	2
a17	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	41.9	153.0	34.3	5	20
a17	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'548.87	5.17	41.9	153.0	34.3	5	20
a17	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	32.4	122.2	28.0	4	16
a17	Q8RVH2	Q8RVH2_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'144.26	5.21	18.5	108.3	10.7	2	14
a17	Q8RVX9	Q8RVX9_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'318.46	5.18	18.5	108.3	10.7	2	14
a17	Q40750	Q40750_PHAAT	Leucoagglutinating phytohemagglutinin (PHA-L)	29'755.21	4.84	18.6	87.9	10.1	2	11
a17	Q8RW23	Q8RW23_PHACN	Erythroagglutinating phytohemagglutinin (PHA-E)	29'499.93	4.64	18.6	87.9	10.2	2	11
a17	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	15.6	57.5	15.7	2	8
a17	Q03871	Q03871_WHEAT	HMW glutenin subunit 1By9	73'517.59	8.52	23.5	36.1	9.2	3	5
a17	Q03872	Q03872_WHEAT	High molecular weight glutenin subunit 1Ax1	89'818.94	5.9	22.5	29.6	5.4	3	4
a17	Q5RLY8	Q5RLY8_AEGTA	HMW glutenin subunit	69'543.70	7.64	22.0	28.2	9.7	3	4
a17	Q45R38	Q45R38_WHEAT	HMW glutenin x-type subunit Bx7	85'232.64	8.79	15.7	23.8	2.8	2	3
a17	Q7XAJ2	Q7XAJ2_WHEAT	High-molecular-weight glutenin subunit	13'166.08	8.96	15.6	23.8	19.3	2	3
a17	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	13.7	20.7	9.0	2	3
a17	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	13.5	19.8	8.8	2	3
a17	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	15.2	15.2	100.0	2	2
a17	Q7XZT6	Q7XZT6_9POAL	HMW y type glutenin 1Uy	19'749.17	8.64	14.8	14.8	19.4	2	2
a17	D5JAD1	D5JAD1_9POAL	HMW glutenin subunit 1St1.4	47'114.95	5.59	13.3	13.3	6.7	2	2

b1	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	14.2	33.2	8.8	2	5
b1	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	14.0	26.4	9.0	2	4
b1	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	16.3	16.3	100.0	2	2
b2	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	201.7	335.8	74.5	23	40
b2	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	154.2	229.5	50.7	18	28
b2	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	143.0	218.0	50.2	17	27
b2	Q43632	Q43632_PHAVU	Phaseolin	47'554.54	5.5	127.2	212.9	46.1	15	26
b2	P02853	PHSB_PHAVU	Phaseolin, beta-type	44'992.27	5.22	126.1	200.7	53.4	15	25
b2	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	19.6	27.7	100.0	2	3
b2	Q9M7M4	Q9M7M4_PHAVU	Mannose lectin FRIL	31'102.57	5.53	21.9	21.9	12.5	3	3
b2	A2WWL6	A2WWL6_ORYSI	Putative uncharacterized protein	41'754.99	8.17	16.9	16.9	5.8	2	2
b2	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	13.4	13.4	9.0	2	2

b2	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.06	13.1	13.1	8.1	2	2
b4	Q8RVX5	Q8RVX5_PHAVU	Lectin (Lec4-B17)l	29'569.23	4.94	49.8	87.1	30.2	6	11
b4	Q8RVY4	Q8RVY4_PHACN	Leucoagglutinating phytohemagglutinin (PHA-L)	27'324.63	5.94	32.1	61.2	22.2	4	8
b4	Q8RVY1	Q8RVY1_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'347.51	4.88	24.0	45.7	14.6	3	6
b4	P05088	PHAE_PHAVU	Erythroagglutinating phytohemagglutinin	27'548.87	5.17	23.7	44.2	13.8	3	6
b4	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	41.7	41.7	15.1	5	5
b4	Q8RVH1	Q8RVH1_PHAVU	Lectin (Lec3-A1)	27'370.31	4.51	24.7	39.2	14.6	3	5
b4	P15231	PHAM_PHAVU	Leucoagglutinating phytohemagglutinin (PHA-L)	27'223.20	4.64	16.3	38.0	8.7	2	5
b4	B4XQ48	B4XQ48_SOYBN	Lectin	30'088.95	6.19	25.5	31.8	10.3	3	4
b4	Q8RVH3	Q8RVH3_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	14.7	21.0	9.8	2	3
b4	Q8RVX6	Q8RVX6_PHAVU	Erythroagglutinating phytohemagglutinin (PHA-E)	27'586.87	4.94	14.7	21.0	9.8	2	3
b4	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	12.1	18.2	8.8	2	3
b4	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	17.4	17.4	100.0	2	2
b4	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	12.4	12.4	9.0	2	2
b6	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	21.3	164.6	8.8	3	25
b6	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	21.5	80.4	9.0	3	12
b6	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	36.7	36.7	11.5	5	5
b6	Q9SMH0	Q9SMH0_PHAVU	Alpha-amylase inhibitor like protein (AIL)	28'900.34	5.06	30.8	30.8	17.6	4	4
b6	REV_B9HMW6	B9HMW6_POPTR	Predicted protein	68'225.24	9.15	12.7	25.3	3.0	2	4
b6	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	13.3	13.3	10.0	2	2
b7	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.06	41.0	147.4	11.8	6	22
b7	Q43629	ARC4_PHAVU	Arcelin (Arc-4)	27'287.30	5.88	34.6	104.2	8.2	5	15
b7	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	28.6	65.4	13.1	4	10
b7	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	41.5	47.8	14.9	5	6
b7	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	24'276.74	5.48	32.9	47.6	18.3	4	6
b7	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	33.0	39.2	12.8	4	5
b7	P02853	PHSB_PHAVU	Phaseolin, beta-type	44'992.27	5.22	31.8	38.1	13.4	4	5
b7	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	31.8	38.1	12.3	4	5
b7	Q43632	Q43632_PHAVU	Phaseolin	47'554.54	5.5	31.8	38.1	12.6	4	5
b7	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	15.0	15.0	100.0	2	2
b8	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	27.4	157.9	8.8	4	24
b8	Q8RVX4	Q8RVX4_PHAVU	Arcelin (Arc-4-I)	27'164.19	6.08	13.6	106.5	4.1	2	16
b8	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	21.0	65.7	9.0	3	10
b8	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	16.4	16.4	11.7	2	2

b9	Q41116	AR5B_PHAVU	Arcelin (Arc-5b)	29'266.86	7.02	15.9	175.4	4.6	2	22
b9	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.06	21.2	112.5	8.1	3	17
b9	Q43629	ARC4_PHAVU	Arcelin (Arc-4)	27'287.30	5.88	21.5	69.5	7.8	3	10
b9	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	15.2	58.5	9.0	2	9
b9	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	24'276.74	5.48	35.8	41.9	18.3	4	5
b9	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	37.5	37.5	14.9	5	5
b9	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	30.2	30.2	12.3	4	4
b9	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	29.9	29.9	12.8	4	4
b9	P02853	PHSB_PHAVU	Phaseolin, beta-type	44'992.27	5.22	20.4	20.4	10.6	3	3
b9	Q43632	Q43632_PHAVU	Phaseolin	47'554.54	5.5	20.4	20.4	10.0	3	3
b9	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	14.1	14.1	100.0	2	2
b10	Q41116	AR5B_PHAVU	Arcelin (Arc-5b)	29'266.86	7.02	18.7	214.0	4.6	2	25
b10	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.06	28.9	101.6	11.8	4	15
b10	Q43629	ARC4_PHAVU	Arcelin (Arc-4)	27'287.30	5.88	22.7	77.2	8.2	3	11
b10	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	20.9	39.2	13.1	3	6
b10	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	24'276.74	5.48	27.8	27.8	18.3	4	4
b10	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	18.6	26.9	100.0	2	3
b10	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	16.8	16.8	7.1	2	2
b10	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	16.8	16.8	7.2	2	2
b10	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	16.8	16.8	7.2	2	2
b10	D8RZ00	D8RZ00_SELML	Putative uncharacterized protein	33'920.09	8.68	13.6	13.6	9.2	2	2
b10	C5WX71	C5WX71_SORBI	Putative uncharacterized protein Sb01g005180	69'673.68	8.9	12.0	12.0	2.0	2	2
b11	Q41116	AR5B_PHAVU	Arcelin (Arc-5b)	29'266.86	7.02	18.2	206.4	4.6	2	23
b11	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	15.0	47.4	9.0	2	7
b11	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	13.4	45.7	8.8	2	7
b11	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	27.5	27.5	16.7	4	4
b12	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	81.1	771.4	26.7	9	90
b12	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	14.1	41.8	9.0	2	6
b12	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	15.5	28.2	100.0	2	4
b12	Q9SMH0	Q9SMH0_PHAVU	Alpha-amylase inhibitor like protein	28'900.34	5.06	24.0	24.0	8.8	3	3
b12	C4JB83	C4JB83_MAIZE	Putative uncharacterized protein	69'415.40	8.97	13.0	13.0	4.1	2	2
b15	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	29.5	120.9	16.7	4	17
b15	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	15.0	96.6	9.0	2	13
b15	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	17.1	44.8	100.0	2	6
b15	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	12.9	12.9	8.8	2	2

b16	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.06	53.0	188.4	11.8	7	26
b16	Q43629	ARC4_PHAVU	Arcelin (Arc-4)	27'287.30	5.88	46.9	182.3	8.2	6	25
b16	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	38.1	99.5	13.1	5	13
b16	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	24'276.74	5.48	54.2	76.4	24.2	7	10
b16	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	18.0	25.0	100.0	2	3
b16	P02853	PHSB_PHAVU	Phaseolin, beta-type	44'992.27	5.22	20.8	20.8	9.8	3	3
b16	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	20.8	20.8	8.9	3	3
b16	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	20.8	20.8	9.1	3	3
b16	Q43632	Q43632_PHAVU	Phaseolin	47'554.54	5.5	20.8	20.8	9.3	3	3
b16	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	14.2	14.2	6.7	2	2
b16	C5WX71	C5WX71_SORBI	Putative uncharacterized protein Sb01g005180	69'673.68	8.9	13.1	13.1	2.0	2	2
b16	Q9M7M4	Q9M7M4_PHAVU	Mannose lectin FRIL	31'102.57	5.53	12.7	12.7	5.0	1	1
b17	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	24'276.74	5.48	102.4	295.5	30.6	12	37
b17	Q43630	Q43630_PHAVU	Alpha-amylase inhibitor	28'982.44	5.07	27.1	41.1	12.6	3	5
b17	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	16.0	37.7	8.2	2	5
b17	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	15.8	24.2	100.0	2	3
b17	Q43629	ARC4_PHAVU	Arcelin (Arc-4)	27'287.30	5.88	15.6	22.0	8.2	2	3
b17	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.06	15.6	22.0	7.4	2	3
b20	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	127.0	152.4	53.0	16	19
b20	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	102.9	111.7	39.5	13	14
b20	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	102.7	111.5	40.0	13	14
b20	P02853	PHSB_PHAVU	Phaseolin, beta-type	44'992.27	5.22	93.5	109.2	45.8	12	14
b20	Q43632	Q43632_PHAVU	Phaseolin	47'554.54	5.5	92.1	101.0	39.0	12	13
b20	Q9M7M4	Q9M7M4_PHAVU	Mannose lectin FRIL	31'102.57	5.53	37.7	37.7	18.6	4	4
b20	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	19.8	28.5	100.0	2	3
b20	Q8RVX5	Q8RVX5_PHAVU	lectin, Lec4-B17	29'569.23	4.94	17.3	17.3	8.0	2	2
b20	REV_B3TQ05	B3TQ05_9ROSI	Maturase K	60'752.56	9.56	15.3	15.3	3.9	2	2
b20	B4XQ48	B4XQ48_SOYBN	Lectin	30'088.95	6.19	14.5	14.5	7.1	2	2
b21	Q9M7M4	Q9M7M4_PHAVU	Mannose lectin FRIL	31'102.57	5.53	117.9	275.4	26.2	13	31
b21	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	169.0	211.0	66.5	21	26
b21	Q43632	Q43632_PHAVU	Phaseolin	47'554.54	5.5	141.5	168.8	55.6	18	21
b21	P02853	PHSB_PHAVU	Phaseolin, beta-type	44'992.27	5.22	139.9	157.4	63.5	18	20
b21	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	130.5	155.1	46.5	17	20
b21	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	124.0	148.7	46.0	16	19
b21	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	19.5	28.4	100.0	2	3

b21	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	24'276.74	5.48	23.0	23.0	11.9	3	3
b21	Q43617	PHS2_PHALU	Phaseolin	45'274.06	5.65	13.3	13.3	2.2	2	2
b22	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	141.4	198.8	60.1	17	24
b22	Q43632	Q43632_PHAVU	Phaseolin	47'554.54	5.5	121.4	187.1	51.3	15	23
b22	P02853	PHSB_PHAVU	Phaseolin, beta-type	44'992.27	5.22	121.4	169.3	58.9	15	21
b22	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	103.3	134.6	41.6	13	17
b22	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	103.2	134.5	40.0	13	17
b22	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.06	35.5	86.8	7.4	5	13
b22	Q43629	ARC4_PHAVU	Arcelin (Arc-4)	27'287.30	5.88	35.5	86.8	8.2	5	13
b22	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	23.1	59.7	8.2	3	8
b22	Q9M7M4	Q9M7M4_PHAVU	Mannose lectin FRIL	31'102.57	5.53	40.0	49.4	17.2	4	5
b22	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	24'276.74	5.48	42.2	49.3	23.7	5	6
b22	Q43630	Q43630_PHAVU	Alpha-amylase inhibitor	28'982.44	5.07	32.0	32.0	17.2	4	4
b22	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	18.5	26.4	100.0	2	3
b22	Q43617	PHS2_PHALU	Phaseolin	45'274.06	5.65	14.3	14.3	5.0	2	2
b22	REV_C5WMR4	C5WMR4_SORBI	Putative uncharacterized protein Sb01g050140	141'164.84	5.11	13.1	13.1	1.4	2	2
b23	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.22	13.2	91.1	8.8	2	14
b23	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	14.7	83.3	9.0	2	12
b23	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	26'487.49	5.74	29.1	78.6	16.7	4	11
b23	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	52.7	60.2	16.1	7	8
b23	P85925	UP18_PSEMZ	Unknown protein 18	1'393.56	8.26	16.2	28.7	100.0	2	4
b24	Q43629	ARC4_PHAVU	Arcelin (Arc-4)	27'287.30	5.88	44.8	133.5	12.2	6	19
b24	Q8RVY3	Q8RVY3_PHAVU	Arcelin (Arc-4-II)	27'889.12	7.06	38.2	126.9	7.4	5	18
b24	P07219	PHSA_PHAVU	Phaseolin, alpha-type	49'271.19	5.31	75.3	96.1	29.8	10	13
b24	Q43633	Q43633_PHAVU	Phaseolin	48'477.45	5.42	67.8	88.5	27.9	9	12
b24	Q8RVX7	Q8RVX7_PHAVU	Arcelin-like protein (ARL-4)	24'276.74	5.48	49.6	85.2	23.7	6	11
b24	Q43632	Q43632_PHAVU	Phaseolin	47'554.54	5.5	59.6	80.3	28.0	8	11
b24	Q41115	Q41115_PHAVU	Alpha-phaseolin	48'562.56	5.49	59.6	80.3	27.4	8	11
b24	P02853	PHSB_PHAVU	Phaseolin, beta-type	44'992.27	5.22	59.6	80.3	29.7	8	11
b24	Q8GU26	Q8GU26_PHAVU	Arcelin (Arc-4-III)	27'267.56	9.07	25.2	70.6	8.2	3	9
b24	Q43630	Q43630_PHAVU	Alpha-amylase inhibitor	28'982.44	5.07	33.7	33.7	17.2	4	4
b24	P86104	UP01_VITRO	Unknown protein 1	1'393.56	8.26	20.4	28.6	100.0	2	3
b24	Q9M7M4	Q9M7M4_PHAVU	Mannose lectin FRIL	31'102.57	5.53	16.5	16.5	8.6	2	2