SUPPORTING ONLINE MATERIAL

Materials and methods

Mosquito stocks

Aedes aegypti strains kindly donated by the O'Neill laboratory, University of Queensland, were PGYP1 that had been transinfected with *w*MelPop, and the uninfected PGYP1.tet created by tetracycline curing PGYP1, with the genetic backgrounds of the two having been homogenized by introgression (*S1*). The filaria-susceptible strain Ref^m was kindly donated by E. Devaney, University of Glasgow. All strains were maintained under standard mosquito insectary conditions.

Microarray analysis of gene expression.

A custom gene expression oligo microarray was developed using Agilent Technologies' eArray website (<u>https://earray.chem.agilent.com/earray/</u>) to design a minimum of two unique 60-mer probes per *Ae. aegypti* gene transcript (Vectorbase genome build 1.1). The 44 000 feature array (4 x 44k format) contained Agilent's standard control features and was filled with the custom *Ae. aegypti* probe set.

Total RNA was extracted from pools of 2 and 15 day old adult females *w*MelPopinfected and uninfected *Aedes aegypti* using Trizol reagent (Invitrogen). Gene expression array experiments were conducted according to Agilent Technologies' Two-colour Microarray-based Gene Expression Analysis protocol (Version 5.5). Briefly, $1.5\mu g$ of total RNA was amplified and labelled using the Low RNA Input Linear Amplification Kit PLUS, Two-colour (Agilent Technologies). Labelled cRNA was prepared and hybridized to arrays with the Gene Expression Hybridization Kit (Agilent Technologies) following the manufacturer's protocol. Hybridized arrays were washed and then

protected against ozone degradation with a stabilization and drying solution (Agilent Technologies). Arrays were scanned at 5μ m resolution using the extended dynamic range feature (PMT 100% and 10%) of the Agilent Microarray Scanner. Feature Extraction software (Agilent Technologies, version 9.5.3) was used to quantify fluorescence data from the scanned array images following Agilent's standard two-colour array protocol (GE2-v5_95_Feb07). Array analysis was conducted with Genespring GX software (Agilent Technologies, version 4.0). Processed Cy5 and Cy3 signal data for replicate probes were averaged, normalized using the LOWESS normalization strategy, thresholded to 1.0, log (base 2) transformed and then Cy5/Cy3 ratios calculated. The array experiment consisted of four biological replicates and Cy5/Cy3 signal ratios were further averaged across these replicates. Transcripts with signal data below the 20th percentile in more than one of the four replicate arrays were removed (2331 transcripts), as were data without positive and significant signal as determined during feature extraction (111 transcripts). Signal ratios from all remaining transcripts were subjected to a *t*-test against zero at $p \le 0.05$.

qRT-PCR

Gene expression levels were monitored using quantitative RT-PCR (qRT-PCR). Total RNA was extracted with Trizol reagent (Invitrogen) from pools of ten *Ae. aegypti* PGYP1 or PGYP.tet females that were either 2 or 15 days post eclosion. Infected mosquitoes were approximately 40 generations post transinfection. cDNAs were synthesized from 1 μ g of total RNA using SuperScript II enzyme (Invitrogen). qRT-PCR was performed on a 1 to 20 dilution of the cDNAs using dsDNA dye SYBR Green I. Reactions were run on a DNA Engine thermocycler (MJ Research) with Chromo4 real-

time PCR detection system (Bio-Rad) using the following cycling conditions: 95° C for 15 minutes, then 45 cycles of 95° C for 10s, 59° C for 10s, 72° C for 20s, with fluorescence acquisition at the end of each cycle, then a melting curve analysis after the final one. The cycle threshold (C₁) values were determined and background fluorescence was subtracted. Gene expression levels of target genes were calculated, relative to the internal reference gene *RpS17* (*ribosomal protein S17*; AAEL004175). Primer pairs used to detect target gene transcripts are listed in table S1.

Bacterial infection and survival experiments

Infections with *Erwinia carotovora* and *Micrococcus luteus* were performed by pricking mosquitoes in the thorax with a thin needle previously dipped into a concentrated pellet of bacterial culture (OD = 200). Mosquitoes were counted at different time points to monitor survival. Each experiment was performed with 15 or 25 individuals and the results shown are representative of at least three independent tests.

wMelPop introgression and filarial worm challenge

The Ref^m strain has a red eye phenotype closely associated (less than 0.1 crossover) with the sensitivity locus to filarial nematodes (*S2*). This locus was backcrossed into the *Ae. aegypti* PGYP1 and control PGYP1.tet backgrounds using the red eye color marker for selection. Sixty virgin PGYP1 (or control PGYP1.tet) females were crossed to Ref^m males, then approximately 200 G1 females (PGYP1/Ref^m or PGYP1.tet/Ref^m) were backcrossed to Ref^m males. Only the resulting first backcross (BC1) individuals with red eyes were self-crossed to establish infected and control introgressed lines and used to perform worm challenge experiments. Challenge experiments A, C and D were performed using BC1 red eye mosquitoes, while experiment B was done on the next generation after intercrossing. Separately reared cages of mosquitoes were used in each case. The mosquitoes were fed on sheep blood containing 11 (experiments A and B), 13 (experiment C) or 23 (experiment D) *B. pahangi* microfilaria per μ L. The females that failed to feed or partially fed were removed from the cages. Dissections to determine the infection status were done 10 to 13 days after the infective blood meal under a dissecting stereomicroscope. Results were analyzed with a Mann-Whitney *U* Test.

Table S1: Quantitative RT-PCR primers used for validation of microarray results. All primers have an annealing temperature of 60°C.

Primer name	Sequence (5' - 3')
AAEL000611-F1	TTGCACTCGTTCTGCTCATC
AAEL000611-R1	ACACGTTTTCCGACTCCTTC
AAEL000598-F1	GCTAGGTCAAACCGAAGCAG
AAEL000598-R1	TCCTACAACAACCGGGAGAG
AAEL015458-F1	AGCGAACGATGGTTTGAGTT
AAEL015458-R1	TATGGCATGCCTTGTACCAC
AAEL005641-F1	GTCTCCGGGTGCAATACACT
AAEL005641-R1	CCCTATCGTTCCACTTCCAA
AAEL015458-F1	GTTCCGGTACAACCTGGAGA
AAEL015458-R1	TTCAGCTCGATCAGGGAAGT
AAEL005431-F1	TCTATTGCGGAGGAGTGCTT
AAEL005431-R1	TGTCCCGGTACAATCCAAAT
AAEL005093-F1	TTGGGGGAAAACAGAAACAG
AAEL005093-R1	GATCTGCTTCCCAGAGAACG
AAEL009474-F1	TGGAGCGACATTGGTTACAA
AAEL009474-R1	GCGATGCCAATCGACTTACT
AAEL001794-F1	ATTTTTGACGGCTTTTGTGG
AAEL001794-R1	TGGATTACTTGCCCCACTTC
AAEL003467-F1	AATTCCGCAAATGTTTGGAC
AAEL003467-R1	CATGCAAACGTGGTAGTTGG
AAEL011455-R1	CGGTAGAGTTCTGCACCACA
AAEL011455-F1	TTGGCGAATTTATCCGACTC
RpS17-F	CAGGTCCGTGGTATCTCCAT
RpS17-R	CAGGACATCATCGAAGTCGA

Table S2: Aedes aegypti gene transcripts showing significant differential expression between females infected with *w*MelPop versus uninfected females. Shaded rows indicate gene transcripts with putative immune function. Transcripts are ranked according to mean log2 signal ratio (log2), which corresponds to the absolute fold change (FC) in gene expression. Gene names, putative gene products and transcript identifiers were compiled from Vectorbase, the Insect Immune-related Gene Database (*S3*) and relevant literature (*S4*).

Table S2

Gene name	Putative gene product	Transcript ID	Absolute FC	Regulation	log2	p-value
CECE	Cecropin	AAEL000611-RA	56.390	up	5.817	0.002
	hypothetical protein	AAEL003843-RA	55.448	up	5.793	0.000
FREP38	Fibrinogen and fibronectin	AAEL015428-RA	41.577	up	5.378	0.000
FREP28	Fibrinogen and fibronectin	AAEL003156-RA	37.839	up	5.242	0.000
CECA	Cecropin	AAEL000627-RA	37.438	up	5.226	0.017
CECD	Cecropin	AAEL000598-RA	37.326	up	5.222	0.006
CECG	Cecropin	AAEL015515-RA	34.306	up	5.100	0.015
CECR	Cecropin	AAEL000621-RA	30.937	up	4.951	0.001
OLOI	Galactose-specific C-type lectin	AAEL000023-NA	25.496	up	4.700	0.010
DEFC	Defensin	AAEL003832-BA	20.672	up	4.370	0.002
DEFD	Defensin	AAEL003857-RA	19.362	up	4.275	0.002
DEFA	Defensin	AAEL003841-RA	19.322	up	4.272	0.001
	hypothetical protein	AAEL003816-RB	15.442	up	3.949	0.001
	hypothetical protein	AAEL003816-RA	15.043	up	3.911	0.002
FREP10	Fibrinogen and fibronectin	AAEL008646-RA	14.186	up	3.826	0.009
	hypothetical protein	AAEL009537-RA	13.677	up	3.774	0.028
	Transferrin	AAEL015458-RA	13.648	up	3.771	0.001
	hypothetical protein	AAEL001392-RA	12.122	up	3.600	0.000
	Cubulin	AAEL010065 DA	10.562	up	3.555	0.001
LVSC11		AAEL010905-RA	9 921	up	3 310	0.009
CLIPB27	CLIP-domain serine protease (Lumbrokinase 1 T4 precursor)	AAEL000720-IIA	9 781	up	3 290	0.002
0211 021	Cubulin	AAEL014312-BA	9.562	qu	3.257	0.009
	conserved hypothetical protein	AAEL003699-RA	9.450	up	3.240	0.001
CLIPB37	CLIP-domain serine protease	AAEL005431-RA	9.224	up	3.205	0.002
CLIPB21	CLIP-domain serine protease	AAEL001084-RA	8.865	up	3.148	0.001
	Galactose-specific C-type lectin	AAEL014390-RA	6.866	up	2.780	0.000
CLIPC15	CLIP-domain serine protease	AAEL010270-RA	6.866	up	2.779	0.030
	conserved hypothetical protein	AAEL006971-RA	6.790	up	2.763	0.036
CLIPB46	CLIP-domain serine protease	AAEL005093-RA	6.346	up	2.666	0.002
PGRPS1	Peptidoglycan recognition protein	AAEL009474-RA	5.833	up	2.544	0.003
TEROO	CLIP-domain serine protease	AAEL001098-RA	5.530	up	2.409	0.002
TEF20	Galactose-specific C-type lectin	ΔΔΕΙ 011610-RΔ	5.405	up	2.450	0.001
	Sugar transporter	AAEL011010-11A	5 375	up	2 426	0.002
	Antifreeze protein	AAEL012353-RA	5.369	up	2.425	0.008
	Serine-type endopeptidase	AAEL013284-RA	5.316	up	2.410	0.012
	Juvenile hormone esterase	AAEL008757-RA	5.298	up	2.406	0.021
	Cysteine-rich venom protein	AAEL000374-RA	5.279	up	2.400	0.030
	conserved hypothetical protein	AAEL007703-RB	5.209	up	2.381	0.009
	Cysteine-rich venom protein	AAEL012194-RA	5.144	up	2.363	0.025
	conserved hypothetical protein	AAEL001862-RA	5.139	up	2.362	0.004
	Juvenile hormone esterase	AAEL008757-RB	4.948	up	2.307	0.013
	conserved hypothetical protein	AAEL002524-RA	4.914	up	2.297	0.019
	Conserved hypothetical protein	AAEL010875-RA	4.906	up	2.295	0.014
	conserved hypothetical protein	AAEL004022-RA	4.001	up	2.207	0.024
CLIPA16	CLIP-domain serine protease	AAEL000170-HA	4 536	up	2 181	0.002
02117110	hypothetical protein	AAEL012346-RA	4,488	qu	2.166	0.048
	Serine protease	AAEL011622-RA	4.488	up	2.166	0.000
CLIPB28	CLIP-domain serine protease (Proacrosin)	AAEL013245-RA	4.336	up	2.116	0.009
	conserved hypothetical protein	AAEL003442-RA	4.207	up	2.073	0.009
FREP12	Fibrinogen and fibronectin	AAEL011634-RA	4.204	up	2.072	0.009
TEP20	Thio-ester containing protein (Macroglobulin/complement)	AAEL001794-RA	4.141	up	2.050	0.013
	conserved hypothetical protein	AAEL010874-RA	4.108	up	2.038	0.006
TEP23	Thio-ester containing protein (Macroglobulin/complement)	AAEL001163-RA	4.080	up	2.029	0.030
	conserved hypothetical protein	AAEL001271-RA	4.075	up	2.027	0.007
	conserved hypothetical protein	AAEL001508-RA	4.023	up	2.008	0.006
	conserved hypothetical protein	AAEL014504-NA	4.019	up	2.007	0.049
	Trypsin	AAEL012842-BA	4.008	up	2.003	0.001
	conserved hypothetical protein	AAEL013775-RA	4.004	qu	2.001	0.003
	conserved hypothetical protein	AAEL004667-RA	3.965	up	1.987	0.010
	hypothetical protein	AAEL010439-RA	3.922	up	1.971	0.022
LYSC10	Lysozyme P	AAEL003712-RA	3.903	up	1.965	0.002
	predicted protein	AAEL002580-RA	3.893	up	1.961	0.004
	hypothetical protein	AAEL008935-RA	3.892	up	1.961	0.002
	hypothetical protein	AAEL003656-RA	3.834	up	1.939	0.003
	Serine protease	AAEL010139-RA	3.821	up	1.934	0.009
	conserved nypotnetical protein	AAEL015078-RA	3.806	up	1.928	0.037
	Galaciose-Specific G-type rectifi	AAELU11610-KA	3.799	up	1.926	0.003
	conserved hypothetical protein	AALL000000-HA	3.769	up	1 908	0.024
	Elastase	AAEL012956-BA	3,733	up	1,900	0.002
	conserved hypothetical protein	AAEL015200-RA	3.723	au	1.896	0.003
TEP21	Thio-ester containing protein (Macroglobulin/complement)	AAEL001802-RA	3.617	up	1.855	0.032
FREP26	Fibrinogen and fibronectin	AAEL005194-RA	3.551	up	1.828	0.021
	conserved hypothetical protein	AAEL002242-RA	3.488	up	1.803	0.000
	conserved hypothetical protein	AAEL007999-RA	3.399	up	1.765	0.007
CLIPA1	CLIP-domain serine protease	AAEL002601-BA	3.378	up	1.756	0.006

	Serine protesse	44EL003642-B4	3 330	un	1 / 30	0.025
	Transia		0.000	up	1.700	0.025
	irypsin	AAEL007992-RA	3.289	up	1.718	0.003
GNBP4	Beta glucan binding protein (Gram-negative bacteria binding protein)	AAEL009178-RA	3.230	up	1.692	0.041
	hypothetical protein	AAEL007262-RA	3.128	up	1.645	0.016
	hypothetical protein		0.105	up	1.010	0.011
	nypotnetical protein	AAEL004591-RB	3.125	up	1.644	0.011
	hypothetical protein	AAEL008936-RA	3.124	up	1.644	0.005
CLIPB35	CLIP-domain serine protease	AAEL000037-BA	3.053	up	1.610	0.014
52 200	Nitrio ovido overtegoo		0.000	up	1.010	0.001
	Nitric oxide synthase	AAEL009745-RA	3.044	up	1.606	0.001
	hypothetical protein	AAEL007109-RA	3.001	up	1.585	0.007
	conserved hypothetical protein	AAEL 013885-BA	2 999	un	1 585	0.002
			2.000	up	1.000	0.002
	Galactose-specific C-type lectin	AAEL014382-RA	2.992	up	1.581	0.034
	conserved hypothetical protein	AAEL009985-RA	2.977	up	1.574	0.002
CLIPB15	CLIP-domain serine protease	44EL 01/3/0-B4	2 07/	un	1 572	0.008
			2.374	up	1.572	0.000
	Galactose-specific C-type lectin	AAEL011607-RA	2.944	up	1.558	0.033
	hypothetical protein	AAEL012534-RA	2.935	up	1.553	0.012
	Poritrophin	AAEL002467-DA	2.016	up	1 5 4 4	0.017
	rentroprim	AALLOOZ407-NA	2.910	up	1.344	0.017
	Serine protease	AAEL012775-RA	2.880	up	1.526	0.007
CLIPB26	CLIP-domain serine protease	AAEL003280-RA	2.873	an	1.522	0.003
	hypothetical protoin	AAEL004501-DC	2 957	un	1 5 1 4	0.007
		AALL004391-NC	2.037	up	1.514	0.007
	conserved hypothetical protein	AAEL004672-RA	2.852	up	1.512	0.018
	Serine protease	AAEL002585-RA	2.821	up	1.496	0.000
	conserved hypothetical protein	AAEL000406-RA	2 912		1 /02	0.020
		AALLOUO430-NA	2.013	up	1.432	0.020
LRIM1	Luecine-rich repeat-containing protein	AAEL012086-RA	2.769	up	1.470	0.025
	Coagulation factor X	AAEL002582-RA	2.739	up	1.453	0.004
	hypothetical protein		2 706	up	1 447	0.049
	nypounduoai proteini	AALLUUU009-HA	2.120	up	1.447	0.048
	Carboxylesterase	AAEL004724-RA	2.719	up	1.443	0.007
	Stearoyl-coa desaturase	AAEL003645-RA	2.715	up	1.441	0.033
	conserved hypothetical protein		2 700	10	1 / 29	0.012
		AALLUUOZUY-NA	2.709	up	1.430	0.012
	hypothetical protein	AAEL003821-RA	2.707	up	1.437	0.017
CLIPB32	CLIP-domain serine protease	AAEL000086-RA	2.696	an	1.431	0.034
	Congulation factor X	AAEL 002592 DD	2.694	10	1 405	0.007
		AAELUUZ382-HD	2.084	up	1.425	0.007
	Serine protease	AAEL007107-RA	2.676	up	1.420	0.005
	Ornithine decarboxylase	AAEL000044-RA	2.658	up	1.410	0.020
	conserved hypothetical protein	AAEI 012052 DA	2 6/10	un	1 /05	0.003
		AALLU12933-NA	2.049	up	1.405	0.003
	hypothetical protein	AAEL004591-RA	2.639	up	1.400	0.011
	conserved hypothetical protein	AAEL002631-RA	2.622	up	1.391	0.022
	Trupsin-ota		2 615	up	1 297	0.006
	nypsineta	AALLOOODOUTIA	2.015	up	1.007	0.000
	Ornithine decarboxylase	AAEL000044-RB	2.612	up	1.385	0.019
GNBPA1	Beta glucan binding protein (Gram-negative bacteria binding protein)	AAEL007626-RA	2.610	up	1.384	0.001
	hypothetical protoin	AAEL 01/166 PA	2 610	up	1 29/	0.002
		AALLUI4100-NA	2.010	up	1.004	0.002
FREP9	Fibrinogen and fibronectin	AAEL004156-RA	2.604	up	1.381	0.045
	conserved hypothetical protein	AAEL002589-RA	2.601	up	1.379	0.023
	hypothetical protein	44EL003842-B4	2 500		1 378	0.001
		AALL003042-NA	2.399	up	1.576	0.001
	conserved hypothetical protein	AAEL0015/1-RA	2.590	up	1.373	0.006
CLIPB22	CLIP-domain serine protease (MASP-2 protein)	AAEL008668-RA	2.580	up	1.367	0.045
	conserved hypothetical protein	44EL003567-B4	2 575		1 365	0.020
			2.575	up	1.000	0.025
	hypothetical protein	AAEL012805-RA	2.572	up	1.363	0.035
	conserved hypothetical protein	AAEL004863-RA	2.567	up	1.360	0.019
	Calmodulin	44EL006921-B4	2 550		1 356	0.018
			2.555	up	1.000	0.010
	hypothetical protein	AAEL014565-RA	2.556	un		0.026
	Glucose dehydrogenase	AAEL004021-BA		ap	1.354	0.020
			2.547	up	1.354	0.001
	conserved hypothetical protein		2.547	up	1.354 1.349	0.001
	conserved hypothetical protein	AAEL000507-RA	2.547 2.533	up up	1.354 1.349 1.341	0.001
	conserved hypothetical protein Galactose-specific C-type lectin	AAEL000507-RA AAEL011404-RA	2.547 2.533 2.531	up up up	1.354 1.349 1.341 1.339	0.020 0.001 0.018 0.002
	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA	2.547 2.533 2.531 2.530	up up up up	1.354 1.349 1.341 1.339 1.339	0.020 0.001 0.018 0.002 0.005
	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial nativuetic pendice recentor	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA	2.547 2.533 2.531 2.530 2.530	up up up up	1.354 1.349 1.341 1.339 1.339 1.339	0.001 0.018 0.002 0.005 0.015
200	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA	2.547 2.533 2.531 2.530 2.530	up up up up up	1.354 1.349 1.341 1.339 1.339 1.339	0.020 0.001 0.018 0.002 0.005 0.015
PPO10	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA	2.547 2.533 2.531 2.530 2.530 2.530 2.520	up up up up up up	1.354 1.349 1.341 1.339 1.339 1.339 1.333	0.021 0.001 0.018 0.002 0.005 0.015 0.049
PPO10	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL002301-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514	up up up up up up	1.354 1.349 1.341 1.339 1.339 1.339 1.333 1.333	0.021 0.001 0.018 0.002 0.005 0.015 0.049 0.021
PPO10 FBEP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Eibringoen and fibronectin	AAEL00507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL002301-RA AAEL011007-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512	up up up up up up	1.354 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.330	0.021 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin energened humothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL002301-RA AAEL011007-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512 2.512	up up up up up up up up	1.354 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL002301-RA AAEL012307-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512 2.493	up up up up up up up up up	1.354 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL012507-RA AAEL011007-RA AAEL012577-RA AAEL006874-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512 2.493 2.489	up up up up up up up up up up	1.354 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL011764-RA AAEL011764-RA AAEL012301-RA AAEL012577-RA AAEL006874-RA AAEL0067742-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.486	up up up up up up up up up up up	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.333 1.330 1.329 1.318 1.316 1.314	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.038 0.014
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase byrothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL002301-RA AAEL012577-RA AAEL012577-RA AAEL007824-RA AAEL007824-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.489 2.486 2.490	up up up up up up up up up up	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.333 1.333 1.329 1.318 1.316 1.314	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.014
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL01764-RA AAEL012507-RA AAEL011007-RA AAEL0112577-RA AAEL012577-RA AAEL006874-RA AAEL00634-RA	2.547 2.533 2.531 2.530 2.520 2.514 2.512 2.493 2.489 2.486 2.480	up up up up up up up up up up up	1.334 1.349 1.341 1.339 1.339 1.339 1.339 1.330 1.330 1.330 1.329 1.318 1.316 1.314 1.310	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein	AAEL00507-RA AAEL01527-RA AAEL01527-RA AAEL005330-RA AAEL011764-RA AAEL012301-RA AAEL012577-RA AAEL012577-RA AAEL006874-RA AAEL006874-RA AAEL010634-RA AAEL010634-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.486 2.480 2.480	up up up up up up up up up up up up up	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL002301-RA AAEL012577-RA AAEL012577-RA AAEL00742-RA AAEL00742-RA AAEL004332-RB AAEL010686-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.486 2.480 2.480 2.480 2.480	ир ир ир ир ир ир ир ир ир ир ир ир ир	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.333 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309	0.001 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.038 0.014 0.048 0.000 0.037 0.006 0.009
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL011764-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL006874-RA AAEL007742-RA AAEL007742-RA AAEL007742-RB AAEL006832-RB AAEL010686-RA AAEL010832-RB	2.547 2.533 2.531 2.530 2.520 2.514 2.512 2.493 2.489 2.489 2.480 2.480 2.480 2.480 2.478 2.466	up up up up up up up up up up up up	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.319 1.319	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL002301-RA AAEL011764-RA AAEL002301-RA AAEL012577-RA AAEL002734-RA AAEL007342-RA AAEL004332-RB AAEL004332-RB AAEL003329-RA	2.547 2.533 2.531 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.489 2.480 2.480 2.480 2.478 2.478	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein conserved hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL01764-RA AAEL011064-RA AAEL011007-RA AAEL011007-RA AAEL012577-RA AAEL006874-RA AAEL00634-RA AAEL004332-RB AAEL010686-RA AAEL009329-RA AAEL009329-RA	2,547 2,533 2,530 2,530 2,520 2,514 2,512 2,493 2,489 2,480 2,480 2,480 2,480 2,480 2,478 2,466 2,461	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2	AAEL00507-RA AAEL01527-RA AAEL01527-RA AAEL005330-RA AAEL011764-RA AAEL002301-RA AAEL012577-RA AAEL002301-RA AAEL002301-RA AAEL002301-RA AAEL00742-RA AAEL00634-RA AAEL010634-RA AAEL010684-RA AAEL014914-RA AAEL018488-RA	2.547 2.533 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.489 2.480 2.480 2.480 2.480 2.478 2.461 2.461 2.440	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.038 0.001 0.037 0.006 0.037 0.006 0.009 0.014 0.018
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 Akrinase anchoring notein ACRP100	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL011007-RA AAEL012577-RA AAEL012577-RA AAEL002301-RA AAEL00742-RA AAEL0106874-RA AAEL0104332-RB AAEL010686-RA AAEL004332-RB AAEL010686-RA AAEL014914-RA AAEL001498-RA AAEL010195-RA	2,547 2,533 2,530 2,530 2,530 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,478 2,480 2,478 2,466 2,461 2,440 2,429	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.333 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.299	0.021 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL00530-RA AAEL011764-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RB AAEL010634-RA AAEL009329-RA AAEL014914-RA AAEL008488-RA AAEL01085-RA	2,547 2,533 2,530 2,530 2,520 2,514 2,512 2,493 2,489 2,480 2,480 2,480 2,478 2,466 2,461 2,440 2,440 2,440	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.280	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.037 0.006 0.009 0.014 0.018 0.004 0.014
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL002301-RA AAEL012577-RA AAEL006874-RA AAEL00634-RA AAEL010634-RA AAEL010638-RA AAEL010686-RA AAEL01088-RA AAEL01914-RA AAEL010185-RA AAEL01185-RA	2.547 2.533 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.486 2.480 2.480 2.480 2.478 2.466 2.461 2.440 2.428 2.428	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.280 1.271	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.038
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL011764-RA AAEL011764-RA AAEL011764-RA AAEL012577-RA AAEL006874-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RB AAEL01634-RA AAEL010634-RA AAEL0108329-RA AAEL0108488-RA AAEL01185-RA AAEL01185-RA AAEL011611-RA AAEL015253-RA	2,547 2,533 2,530 2,530 2,520 2,514 2,512 2,493 2,489 2,480 2,480 2,480 2,480 2,480 2,478 2,466 2,461 2,466 2,461 2,440 2,428 2,413 2,407	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.280	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.038 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.014 0.018 0.004 0.014
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein Conserved hypothetical protein Conserved hypothetical protein Conserved hypothetical protein Conserved hypothetical protein Costerie-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein	AAEL00507-RA AAEL01527-RA AAEL01527-RA AAEL005330-RA AAEL011764-RA AAEL002301-RA AAEL012577-RA AAEL002301-RA AAEL002301-RA AAEL002301-RA AAEL002302-RA AAEL00634-RA AAEL00634-RA AAEL01668-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL01495-RA AAEL011611-RA	2.547 2.533 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.489 2.489 2.480 2.480 2.478 2.480 2.478 2.466 2.461 2.440 2.428 2.413 2.407 2.396	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.018
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein conserved hypothetical protein Aypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL01764-RA AAEL011007-RA AAEL012577-RA AAEL012577-RA AAEL0106874-RA AAEL010634-RA AAEL010634-RA AAEL010686-RA AAEL004332-RB AAEL010686-RA AAEL014914-RA AAEL00438-RA AAEL011611-RA AAEL011611-RA AAEL011611-RA AAEL005253-RA AAEL003848-RA	2,547 2,533 2,530 2,530 2,530 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,478 2,480 2,478 2,466 2,461 2,440 2,478 2,466 2,413 2,428 2,413 2,407 2,396	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.310 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261	0.001 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.014 0.038 0.025 0.021
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein hypothetical protein conserved hypothetical protein	AAEL000507-RA AAEL01527-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL01686-RA AAEL010634-RA AAEL003488-RA AAEL01185-RA AAEL01185-RA AAEL011611-RA AAEL01353-RA AAEL01348-RA AAEL003488-RA AAEL0036109-RA	2.547 2.533 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.480 2.480 2.480 2.478 2.480 2.478 2.466 2.461 2.440 2.428 2.413 2.428 2.413 2.407 2.396 2.395	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.018 0.025 0.021 0.045
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Typothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Typo II transmembrane recentor OtB7	AAEL00507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL012577-RA AAEL006874-RA AAEL006874-RA AAEL010634-RA AAEL010634-RA AAEL010686-RA AAEL010686-RA AAEL010686-RA AAEL010888-RA AAEL011811-RA AAEL01185-RA AAEL01185-RA AAEL01188-RA AAEL01187-RA AAEL003848-RA AAEL01187-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA	2.547 2.533 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.486 2.480 2.478 2.480 2.478 2.466 2.478 2.466 2.461 2.440 2.428 2.413 2.407 2.395 2.376	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.038 0.025 0.021 0.045 0.020
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteite-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteile-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein Conserved hypothetical	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL011764-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL006874-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL01634-RA AAEL014914-RA AAEL00329-RA AAEL014914-RA AAEL01168-RA AAEL011611-RA AAEL0116523-RA AAEL01169-RA AAEL01160-RA AAEL01160-RA AAEL01160-RA AAEL011407-RA	2,547 2,533 2,530 2,530 2,520 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,480 2,480 2,480 2,480 2,480 2,466 2,461 2,440 2,428 2,413 2,413 2,407 2,396 2,395 2,376	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.329 1.318 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.309 1.229 1.287 1.280 1.271 1.267 1.261 1.260 1.248	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.014 0.038 0.025 0.021 0.045 0.020
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Conserved hypothetical protein Costerier ich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Type II transmembrane receptor OtB7 CLIP-domain serine protease	AAEL00507-RA AAEL01527-RA AAEL01527-RA AAEL01527-RA AAEL00330-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL002301-RA AAEL002301-RA AAEL01634-RA AAEL00634-RA AAEL010634-RA AAEL010636-RA AAEL01634-RA AAEL016848-RA AAEL01488-RA AAEL01488-RA AAEL01185-RA AAEL01185-RA AAEL008488-RA AAEL011611-RA AAEL008488-RA AAEL003848-RA AAEL003848-RA AAEL006109-RA AAEL0011407-RA	2.547 2.533 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.480 2.480 2.480 2.480 2.480 2.478 2.480 2.478 2.466 2.461 2.440 2.428 2.413 2.407 2.396 2.395 2.376	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.261 1.261 1.260 1.248 1.247	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.025 0.021 0.045 0.020
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein hypothetical protein conserved hypothetical protein Type II transmembrane receptor OtB7 CLIP-domain serine protease conserved hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL012577-RA AAEL002301-RA AAEL002301-RA AAEL002301-RA AAEL002302-RA AAEL004332-RB AAEL01643-RA AAEL004332-RB AAEL014914-RA AAEL004332-RB AAEL014914-RA AAEL00185-RA AAEL011611-RA AAEL0011611-RA AAEL001619-RA AAEL001077-RA AAEL011077-RA AAEL001077-RA AAEL001077-RA	2,547 2,533 2,530 2,530 2,530 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,478 2,480 2,478 2,480 2,478 2,466 2,461 2,440 2,478 2,466 2,461 2,440 2,478 2,413 2,407 2,396 2,395 2,374 2,367	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.243	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.038 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.014 0.014 0.014 0.014 0.025 0.021 0.025 0.020 0.020
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Type II transmembrane receptor OtB7 CLIP-domain serine protease conserved hypothetical protein	AAEL000507-RA AAEL01527-RA AAEL01527-RA AAEL00530-RA AAEL01764-RA AAEL012577-RA AAEL012577-RA AAEL00674-RA AAEL00674-RA AAEL010634-RA AAEL010634-RA AAEL010634-RA AAEL010638-RA AAEL010686-RA AAEL010686-RA AAEL014914-RA AAEL01185-RA AAEL003488-RA AAEL01185-RA AAEL003488-RA AAEL003488-RA AAEL003488-RA AAEL003488-RA AAEL003488-RA AAEL003488-RA AAEL003619-RA AAEL001077-RA AAEL001077-RA AAEL0011407-RA AAEL0011557-RA	2.547 2.533 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.486 2.480 2.480 2.478 2.486 2.478 2.466 2.461 2.440 2.428 2.413 2.407 2.396 2.395 2.376 2.374 2.365	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.243	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.014 0.014 0.014 0.014 0.018 0.025 0.021 0.045 0.020 0.020 0.020 0.020
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteliae-rich secretory of DTF CLIP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein Metalloproteinase	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL00330-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL002301-RA AAEL002301-RA AAEL002301-RA AAEL002301-RA AAEL0063874-RA AAEL01634-RA AAEL01634-RA AAEL01634-RA AAEL010886-RA AAEL010185-RA AAEL011857-RA AAEL0011407-RA AAEL011407-RA AAEL011407-RA AAEL011407-RA	2.547 2.533 2.530 2.530 2.530 2.514 2.512 2.493 2.489 2.486 2.480 2.480 2.478 2.480 2.478 2.466 2.461 2.440 2.428 2.413 2.407 2.396 2.395 2.376 2.374 2.367 2.367 2.367	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.349 1.339 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.242	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.025 0.021 0.025 0.020 0.020 0.020
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein Conserved hypothetical protein Conserved hypothetical protein Type II transmembrane receptor OtB7 CLIP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein	AAEL000507-RA AAEL01527-RA AAEL015527-RA AAEL015527-RA AAEL01764-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL010634-RA AAEL010636-RA AAEL01085-RA AAEL01185-RA AAEL01185-RA AAEL01103848-RA AAEL01103848-RA AAEL01185-RA AAEL011077-RA AAEL011157-RA AAEL011557-RA AAEL01157-RA	2,547 2,533 2,530 2,530 2,520 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,480 2,480 2,480 2,478 2,466 2,461 2,466 2,461 2,440 2,428 2,413 2,413 2,407 2,396 2,395 2,376 2,365 2,357	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.329 1.318 1.316 1.316 1.314 1.310 1.300 1.300 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.003 0.014 0.018 0.004 0.014 0.018 0.025 0.021 0.045 0.020 0.020 0.001 0.016 0.003
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein type II transmembrane receptor OtB7 CLIP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein	AAEL00507-RA AAEL011404-RA AAEL01527-RA AAEL01527-RA AAEL01527-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL002301-RA AAEL01634-RA AAEL01634-RA AAEL010634-RA AAEL010636-RA AAEL010636-RA AAEL0140848-RA AAEL01185-RA AAEL003488-RA AAEL003488-RA AAEL003488-RA AAEL003488-RA AAEL00185-RA AAEL001147-RA AAEL001147-RA AAEL003114-RA AAEL01147-RA AAEL011286-RA AAEL012866-RA AAEL012866-RA AAEL012866-RA	2.547 2.533 2.530 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.480 2.480 2.478 2.480 2.478 2.480 2.478 2.460 2.478 2.461 2.440 2.428 2.413 2.407 2.395 2.376 2.374 2.365 2.357 2.346	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.349 1.339 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.025 0.021 0.045 0.020 0.020 0.020 0.021
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory CtB7 CLIP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein Metalloproteinase conserved hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL01764-RA AAEL011764-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL01634-RA AAEL01634-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL011491-RA AAEL01165-RA AAEL011407-RA AAEL003114-RA AAEL00177-RA AAEL001157-RA AAEL01157-RA AAEL012866-RA AAEL012866-RA AAEL012866-RA AAEL012866-RA AAEL012866-RA AAEL012866-RA AAEL012866-RA	2,547 2,533 2,530 2,530 2,530 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,478 2,480 2,478 2,480 2,478 2,466 2,461 2,440 2,478 2,413 2,407 2,396 2,395 2,376 2,374 2,367 2,365 2,357 2,346 2,340	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.329 1.318 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.309 1.229 1.287 1.280 1.271 1.261 1.261 1.261 1.261 1.261 1.261 1.261 1.243 1.242 1.237 1.230	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.014 0.018 0.025 0.021 0.045 0.020 0.021 0.045 0.020 0.001
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Type II transmembrane receptor OtB7 CLIP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein Metalloproteinase conserved hypothetical protein conserved hypothetical protein Metalloproteinase conserved hypothetical protein Latisemin averagent demonstratement in the fibrical protein Latisemin	AAEL000507-RA AAEL011404-RA AAEL015227-RA AAEL00530-RA AAEL01764-RA AAEL012577-RA AAEL012577-RA AAEL00674-RA AAEL00674-RA AAEL01634-RA AAEL010634-RA AAEL010634-RA AAEL010638-RA AAEL010686-RA AAEL014914-RA AAEL01185-RA AAEL01185-RA AAEL003488-RA AAEL00185-RA AAEL001077-RA AAEL001077-RA AAEL00112866-RA AAEL0112866-RA AAEL0112866-RA AAEL012866-RA AAEL012866-RA AAEL012866-RA AAEL012866-RA	2.547 2.533 2.530 2.530 2.530 2.514 2.512 2.493 2.489 2.489 2.480 2.480 2.478 2.480 2.478 2.466 2.461 2.440 2.428 2.413 2.407 2.395 2.395 2.376 2.395 2.376 2.357 2.365 2.357 2.346 2.340	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230 1.226	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.014 0.018 0.004 0.014 0.018 0.025 0.021 0.045 0.020 0.021 0.045 0.020 0.021 0.045 0.025 0.021 0.045 0.025 0.021 0.015 0.009 0.014 0.002 0.005 0.009 0.014 0.009 0.014 0.009 0.014 0.009 0.014 0.009 0.014 0.009 0.014 0.009 0.014 0.009 0.014 0.009 0.014 0.009 0.014 0.009 0.014 0.001 0.006 0.009 0.014 0.004 0.001 0.006 0.009 0.014 0.004 0.0014 0.004 0.004 0.0014 0.004 0.0014 0.004 0.0014 0.004 0.0014 0.0014 0.004 0.0014 0.004 0.0014 0.0014 0.004 0.0014 0.004 0.0014 0.004 0.0014 0.004 0.004 0.0014 0.004 0.0014 0.004 0.004 0.0021 0.004 0.0014 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.020 0.020 0.000 0.020 0.000 0.020 0.000 0.020 0.000 0.020 0.000 0.000 0.020 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000000 0
PPO10 FREP37	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory trotein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein CLIP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein Metalloproteinase conserved hypothetical protein conserved hypothetical protein Cuserine protease conserved hypothetical protein Cuserine proteinase conserved hypothetical protein conserved hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL005330-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL002301-RA AAEL012577-RA AAEL006374-RA AAEL00634-RA AAEL010634-RA AAEL010634-RA AAEL010634-RA AAEL010848-RA AAEL01185-RA AAEL011407-RA AAEL001147-RA AAEL001147-RA AAEL011407-RA AAEL011407-RA AAEL011407-RA AAEL011457-RA AAEL011455-RA AAEL012866-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA AAEL01286-RA	2,547 2,533 2,530 2,530 2,530 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,478 2,480 2,478 2,466 2,461 2,440 2,478 2,466 2,461 2,440 2,428 2,413 2,407 2,396 2,395 2,374 2,365 2,357 2,346 2,340 2,336	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.349 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230 1.226 1.224	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.038 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.025 0.021 0.045 0.020 0.020 0.020 0.001 0.016 0.003 0.016 0.003 0.016 0.003 0.016 0.002 0.001
PPO10 FREP37 CLIPB45 CLIPE8	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Type II transmembrane receptor OtB7 CLIP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein Latisemin conserved hypothetical protein CLIP-domain serine protease	AAEL000507-RA AAEL01527-RA AAEL015527-RA AAEL015527-RA AAEL01764-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL007742-RA AAEL01634-RA AAEL00329-RA AAEL014914-RA AAEL00329-RA AAEL01185-RA AAEL01185-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL003848-RA AAEL001077-RA AAEL01157-RA AAEL01157-RA AAEL01157-RA AAEL01157-RA AAEL01286-RA AAEL01286-RA AAEL00276-RA	2,547 2,533 2,530 2,530 2,530 2,520 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,480 2,480 2,480 2,480 2,478 2,466 2,461 2,440 2,428 2,413 2,407 2,396 2,395 2,376 2,374 2,365 2,357 2,346 2,340 2,336 2,314	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230 1.226 1.224 1.210	0.001 0.018 0.002 0.005 0.015 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.037 0.006 0.003 0.014 0.018 0.025 0.021 0.045 0.020 0.021 0.045 0.020 0.021 0.045 0.020 0.001 0.016 0.003 0.018 0.020 0.001 0.016
PPO10 FREP37 CLIPB45 CLIPE8	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein CJLP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein Latisemin conserved hypothetical protein CLIP-domain serine protease	AAEL000507-RA AAEL015027-RA AAEL01527-RA AAEL01527-RA AAEL01764-RA AAEL012507-RA AAEL011764-RA AAEL012507-RA AAEL012201-RA AAEL012577-RA AAEL002301-RA AAEL012577-RA AAEL002301-RA AAEL01634-RA AAEL00634-RA AAEL010634-RA AAEL010638-RA AAEL0108329-RA AAEL014914-RA AAEL0185-RA AAEL008488-RA AAEL00185-RA AAEL001611-RA AAEL0016107-RA AAEL001407-RA AAEL001407-RA AAEL0011407-RA AAEL011407-RA	2.547 2.533 2.530 2.530 2.530 2.520 2.514 2.512 2.493 2.489 2.486 2.480 2.478 2.480 2.478 2.466 2.478 2.466 2.478 2.466 2.478 2.440 2.428 2.413 2.407 2.395 2.376 2.374 2.365 2.377 2.365 2.357 2.346 2.340 2.336 2.314	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230 1.226 1.224 1.220	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.014 0.025 0.021 0.045 0.020 0.020 0.020 0.021 0.045 0.020 0.021 0.045 0.020 0.021 0.021 0.045 0.020 0.021 0.021 0.045 0.021 0.045 0.002 0.001 0.015
PPO10 FREP37 CLIPB45 CLIPE8	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory Drotein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein CUIP-domain serine protease conserved hypothetical protein Metalloproteinase conserved hypothetical protein Latisemin conserved hypothetical protein CLIP-domain serine protease conserved hypothetical protein	AAEL000507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL01764-RA AAEL011764-RA AAEL011764-RA AAEL011764-RA AAEL012577-RA AAEL0100742-RA AAEL010634-RA AAEL010634-RA AAEL010634-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL014914-RA AAEL0108523-RA AAEL014914-RA AAEL0108523-RA AAEL0108523-RA AAEL00108-RA AAEL011407-RA AAEL00109-RA AAEL001157-RA AAEL011407-RA AAEL011557-RA AAEL011557-RA AAEL012866-RA AAEL01388-RA AAEL014385-RA AAEL014385-RA AAEL002767-RA AAEL002767-RA AAEL002767-RA AAEL002767-RA	2,547 2,533 2,530 2,530 2,530 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,480 2,480 2,480 2,480 2,478 2,466 2,461 2,440 2,428 2,413 2,407 2,396 2,395 2,376 2,374 2,367 2,365 2,357 2,346 2,340 2,336 2,314 2,311	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.329 1.318 1.316 1.316 1.314 1.310 1.310 1.309 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230 1.226 1.224 1.210 1.208	0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.048 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.025 0.021 0.045 0.020 0.021 0.045 0.020 0.001 0.016 0.003 0.018 0.020 0.001 0.016 0.003 0.020 0.001
PPO10 FREP37 CLIPB45 CLIPE8	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Type II transmembrane receptor OtB7 CLIP-domain serine protease conserved hypothetical protein conserved hypothetical protein conserved hypothetical protein Conserved hypothetical protein Conserved hypothetical protein Conserved hypothetical protein Conserved hypothetical protein CLIP-domain serine protease conserved hypothetical protein CLIP-domain serine protease	AAEL000507-RA AAEL015027-RA AAEL015527-RA AAEL015527-RA AAEL01764-RA AAEL012507-RA AAEL011764-RA AAEL012577-RA AAEL006301-RA AAEL012577-RA AAEL00674-RA AAEL00634-RA AAEL010634-RA AAEL010638-RA AAEL014914-RA AAEL014914-RA AAEL010848-RA AAEL0185-RA AAEL003848-RA AAEL006109-RA AAEL001077-RA AAEL001185-RA AAEL001077-RA AAEL001185-RA AAEL001077-RA AAEL001177-RA AAEL011407-RA AAEL011407-RA AAEL011407-RA AAEL01157-RA AAEL0112866-RA AAEL0112866-RA AAEL012867-RA AAEL012867-RA AAEL012867-RA AAEL002767-RA AAEL002767-RA AAEL009737-RA AAEL009737-RA AAEL009737-RA AAEL003048-RA <td>2.547 2.533 2.530 2.530 2.530 2.512 2.493 2.489 2.480 2.480 2.480 2.480 2.478 2.480 2.478 2.466 2.461 2.440 2.428 2.413 2.407 2.396 2.376 2.374 2.395 2.376 2.374 2.365 2.357 2.346 2.340 2.311 2.301</td> <td>ир ир ир ир ир ир ир ир ир ир ир ир ир и</td> <td>1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.300 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230 1.226 1.224 1.210 1.208 1.202</td> <td>0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.038 0.004 0.000 0.037 0.006 0.009 0.044 0.009 0.048 0.009 0.014 0.014 0.025 0.021 0.025 0.025 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.025 0.025 0.025 0.025 0.025 0.025 0.005 0.015 0.002 0.005 0.0020</td>	2.547 2.533 2.530 2.530 2.530 2.512 2.493 2.489 2.480 2.480 2.480 2.480 2.478 2.480 2.478 2.466 2.461 2.440 2.428 2.413 2.407 2.396 2.376 2.374 2.395 2.376 2.374 2.365 2.357 2.346 2.340 2.311 2.301	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.341 1.339 1.339 1.339 1.330 1.330 1.329 1.318 1.316 1.314 1.310 1.310 1.300 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230 1.226 1.224 1.210 1.208 1.202	0.020 0.001 0.018 0.002 0.005 0.015 0.049 0.021 0.038 0.014 0.038 0.004 0.000 0.037 0.006 0.009 0.044 0.009 0.048 0.009 0.014 0.014 0.025 0.021 0.025 0.025 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.025 0.025 0.025 0.025 0.025 0.025 0.005 0.015 0.002 0.005 0.0020
PPO10 FREP37 CLIPB45 CLIPE8	conserved hypothetical protein Galactose-specific C-type lectin conserved hypothetical protein Atrial natriuretic peptide receptor Prophenoloxidase Serine protease Fibrinogen and fibronectin conserved hypothetical protein Prophenoloxidase Tyrosine-protein kinase hypothetical protein conserved hypothetical protein hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Cysteine-rich secretory protein-2 A-kinase anchoring protein AKAP120 Serine protease hypothetical protein conserved hypothetical protein Type II transmembrane receptor OtB7 CLIP-domain serine protease conserved hypothetical protein conserved hypothetical protein CLIP-domain serine protease conserved hypothetical protein conserved hypothetical protein CLIP-domain serine protease conserved hypothetical protein Mattose phosphorylase	AAEL00507-RA AAEL011404-RA AAEL015527-RA AAEL015527-RA AAEL011764-RA AAEL011764-RA AAEL012577-RA AAEL012577-RA AAEL002301-RA AAEL002301-RA AAEL01634-RA AAEL0063874-RA AAEL01634-RA AAEL01634-RA AAEL01634-RA AAEL01634-RA AAEL01185-RA AAEL01185-RA AAEL011407-RA AAEL011407-RA AAEL011407-RA AAEL011407-RA AAEL011457-RA AAEL011355-RA AAEL01385-RA AAEL01385-RA AAEL01385-RA AAEL003487-RA AAEL003487-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA AAEL00347-RA	2,547 2,533 2,530 2,530 2,530 2,530 2,514 2,512 2,493 2,489 2,486 2,480 2,480 2,478 2,480 2,478 2,466 2,461 2,440 2,478 2,466 2,461 2,440 2,478 2,466 2,461 2,440 2,428 2,413 2,407 2,396 2,374 2,374 2,365 2,377 2,365 2,357 2,346 2,340 2,336 2,314 2,301 2,301 2,301 2,301 2,301 2,301 2,301 2,301 2,301	ир ир ир ир ир ир ир ир ир ир ир ир ир и	1.334 1.349 1.349 1.339 1.339 1.339 1.333 1.330 1.329 1.318 1.316 1.314 1.316 1.314 1.310 1.309 1.302 1.299 1.287 1.280 1.271 1.267 1.261 1.260 1.248 1.247 1.243 1.242 1.237 1.230 1.226 1.224 1.210 1.202 1.87	0.001 0.018 0.002 0.005 0.015 0.015 0.049 0.021 0.038 0.014 0.038 0.000 0.037 0.006 0.009 0.014 0.018 0.004 0.014 0.018 0.004 0.014 0.018 0.025 0.021 0.045 0.020 0.020 0.020 0.020 0.001 0.016 0.003 0.016 0.020 0.020 0.021 0.020 0.021 0.020 0.021 0.025 0.021 0.025 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.021 0.037 0.006 0.007 0.021 0.025 0.021 0.025 0.021 0.014 0.038 0.025 0.021 0.014 0.009 0.014 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.038 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.038 0.025 0.014 0.009 0.014 0.025 0.021 0.009 0.014 0.025 0.021 0.009 0.014 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.020 0.021 0.025 0.021 0.025 0.020 0.020 0.020 0.021 0.025 0.020 0.020 0.020 0.020 0.021 0.025 0.020 0.020 0.020 0.020 0.020 0.021 0.025 0.020 0.00100000000

	Apolipoprotein D	AAEL009561-BA	2,251	up	1.171	0.025
	Testisin precursor	AAEL002686-BA	2.251	up	1.171	0.005
	hypothetical protein	AAEL014363-BA	2,248	up	1.168	0.036
	conserved hypothetical protein	AAFI 007344-BA	2 239	up	1 163	0.009
	conserved hypothetical protein	AAEL 001491-BA	2 226	up	1 154	0.003
	conserved hypothetical protein	AAEL 002549-BA	2 199	up	1 137	0.043
	Serine protease	AAEL 006136-BA	2 194	up	1 133	0.010
GALE6B	Galactosido-binding locting (Koratinogyto loctin)	AAEL000130-11A	2.134	up	1.100	0.017
GALEOD	Galacioside-binding lectins (Keratinocyte lectin)	AAEL012003-RA	2.176	up	1.123	0.017
		AAEL008283-RA	2.100	up	1.115	0.016
051.0	Serine protease	AAEL002593-RB	2.155	up	1.108	0.008
REL2	Relish-like protein	AAEL007624-RA	2.144	up	1.101	0.004
	hypothetical protein	AAEL004115-RA	2.141	up	1.098	0.014
	Nucleoprotein	AAEL002517-RB	2.141	up	1.098	0.008
	conserved hypothetical protein	AAEL010601-RA	2.140	up	1.097	0.037
PPO2	Prophenoloxidase	AAEL013499-RA	2.122	up	1.085	0.041
	Cytochrome P450	AAEL009121-RA	2.115	up	1.081	0.003
FREP21	Fibrinogen and fibronectin	AAEL006691-RA	2.111	up	1.078	0.021
	AMP dependent ligase	AAEL005793-RA	2.106	up	1.075	0.015
	conserved hypothetical protein	AAEL006826-RA	2.100	up	1.070	0.032
	Lysosomal alpha-mannosidase	AAEL005752-RA	2.097	up	1.068	0.037
	Maltose phosphorylase	AAEL006276-RA	2.092	up	1.065	0.044
	Gustatory receptor 64a	AAEL015071-BA	2.092	up	1.065	0.013
	conserved hypothetical protein	AAEL005543-BA	2.085	up	1.060	0.015
	hypothetical protein	AAFI 011305-RA	2 079	un	1 056	0.023
	Nucleopretein	AAEL002535-BA	2.075	up	1.050	0.020
EBED10	Fibringen and fibronectin		2.073	up	1.050	0.009
THEFIO			2.074	up	1.052	0.003
	conserved hypothetical protein	AAELUU5428-KA	2.058	up	1.041	0.001
	nypotnetical protein	AAELUU/3/1-HA	2.057	up	1.041	0.028
01.155	Galactose-specific C-type lectin	AAEL011453-RA	2.055	up	1.039	0.022
CLIPB1	CLIP-domain serine protease	AAEL000074-RA	2.052	up	1.037	0.045
	conserved hypothetical protein	AAEL000139-RA	2.047	up	1.034	0.013
	conserved hypothetical protein	AAEL014945-RB	2.027	up	1.020	0.038
	Gamma-glutamyl hydrolase	AAEL000271-RA	2.006	up	1.005	0.011
PGRPLB	Peptidoglycan recognition protein sb2	AAEL010171-RA	2.004	up	1.003	0.023
	hypothetical protein	AAEL014300-RA	2.005	down	-1.003	0.019
	conserved hypothetical protein	AAEL000083-RA	2.032	down	-1.023	0.040
	hypothetical protein	AAEL000521-RA	2.051	down	-1.036	0.020
	2-amino-3-ketobutvrate coenzyme a ligase	AAEL012318-RA	2.055	down	-1.039	0.003
	hypothetical protein	AAEL009683-BA	2.071	down	-1.050	0.006
	hypothetical protein	AAEL 009409-BA	2 089	down	-1.063	0.036
	conserved by notherical protein	AAEL 006332-BA	2.000	down	-1.064	0.008
	conserved hypothetical protein	AAEL000002-11A	2.001	down	-1.079	0.000
	Cuteshame B450	AAEL000131-RA	2.112	down	-1.076	0.002
		AAEL000325-RA	2.105	down	-1.114	0.034
		AAELUU1771-RA	2.180	down	-1.124	0.032
	nypotnetical protein	AAEL001138-RA	2.206	down	-1.141	0.043
	hypothetical protein	AAEL012022-RA	2.218	down	-1.149	0.008
	hypothetical protein	AAEL015019-RA	2.229	down	-1.156	0.026
	conserved hypothetical protein	AAEL010726-RA	2.258	down	-1.175	0.017
	Carboxylesterase	AAEL002391-RA	2.326	down	-1.218	0.031
	Cytochrome P450	AAEL013554-RA	2.339	down	-1.226	0.003
	conserved hypothetical protein	AAEL002449-RA	2.356	down	-1.237	0.011
	Threonine dehydrogenase	AAEL003443-RA	2.387	down	-1.255	0.015
	Serine collagenase 1 precursor	AAEL007432-RA	2.389	down	-1.257	0.008
	Oxidoreductase	AAEL010075-RA	2.393	down	-1.259	0.024
	Alcohol dehydrogenase	AAEL011450-BA	2.409	down	-1.268	0.035
	hypothetical protein	AAEL014937-BA	2,486	down	-1,314	0.028
	hypothetical protein	AAFI 008754-RA	2,491	down	-1.317	0.003
	Splicing factor nTSB1	AAFI 001889-RA	2 511	down	-1 328	0.025
	CLIP-domain serine protesse	ΔΔΕΙ 006576-RA	2 533	down	-1 3/1	0.014
	CLIP-domain sering protease		2.555	down	-1.350	0.014
	concerved hypothetical protection		2.003	down	-1.002	0.011
	conserved hypothetical protein	AAELUU5542-KA	2.048	down	-1.405	0.028
	conserved hypothetical protein	AAELU14647-HA	2.798	down	-1.484	0.034
	Catnepsin b	AAEL007599-RA	2.811	down	-1.491	0.018
	Argininosuccinate synthase	AAEL004701-RA	2.831	down	-1.502	0.005
	Galactose-specific C-type lectin	AAEL011455-RA	3.041	down	-1.605	0.024
	Matrix metalloproteinase	AAEL002655-RA	3.065	down	-1.616	0.033
	Short-chain dehydrogenase	AAEL009625-RA	3.307	down	-1.726	0.002
	hypothetical protein	AAEL001274-RA	3.314	down	-1.729	0.022
	conserved hypothetical protein	AAEL010775-RA	3.486	down	-1.802	0.025
	conserved hypothetical protein	AAEL010093-RA	3.497	down	-1.806	0.048
			3 718	down	-1.894	0.004
	Glucosyl/glucuronosyl transferases	AAELU14244-BA	0.7			
	Glucosyl/glucuronosyl transferases	AAEL014244-RA AAEL 003663-RA	3.825	down	-1.935	0.009
	Glucosyl/glucuronosyl transferases hypothetical protein conserved hypothetical protein	AAEL014244-RA AAEL003663-RA AAFI 004342-RA	3.825	down	-1.935 -2.009	0.009
	Glucosyl/glucuronosyl transferases hypothetical protein conserved hypothetical protein bypothetical protein	AAEL014244-RA AAEL003663-RA AAEL004342-RA	3.825 4.024	down down	-1.935 -2.009	0.009
	Glucosyl/glucuronosyl transferases hypothetical protein conserved hypothetical protein hypothetical protein	AAEL003244-RA AAEL003663-RA AAEL004342-RA AAEL003482-RA	3.825 4.024 4.167	down down down	-1.935 -2.009 -2.059	0.009 0.003 0.026
	Glucosyl/glucuronosyl transferases hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein	AAEL014244-HA AAEL003663-RA AAEL004342-RA AAEL003482-RA AAEL003095-RA	3.825 4.024 4.167 4.206	down down down down	-1.935 -2.009 -2.059 -2.072	0.009 0.003 0.026 0.031
	Glucosyl/glucuronosyl transferases hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein Trypsin	AAEL014244-HA AAEL003663-RA AAEL004342-RA AAEL003482-RA AAEL009095-RA AAEL009095-RA	3.825 4.024 4.167 4.206 4.429	down down down down down	-1.935 -2.009 -2.059 -2.072 -2.147	0.009 0.003 0.026 0.031 0.028
_	Glucosyl/glucuronosyl transferases hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein Trypsin hypothetical protein	AAEL014244-HA AAEL003663-RA AAEL004342-RA AAEL003482-RA AAEL009095-RA AAEL006903-RA AAEL005199-RA	3.825 4.024 4.167 4.206 4.429 4.534	down down down down down	-1.935 -2.009 -2.059 -2.072 -2.147 -2.181	0.009 0.003 0.026 0.031 0.028 0.004
_	Glucosyl/glucuronosyl transferases hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein Trypsin hypothetical protein Juvenile hormone esterase	AAEL014244-HA AAEL003663-RA AAEL004342-RA AAEL003482-RA AAEL009095-RA AAEL006903-RA AAEL005179-RA AAEL005178-RA	3.825 4.024 4.167 4.206 4.429 4.534 4.799	down down down down down down	-1.935 -2.009 -2.059 -2.072 -2.147 -2.181 -2.263	0.009 0.003 0.026 0.031 0.028 0.004 0.003
	Glucosyl/glucuronosyl transferases hypothetical protein conserved hypothetical protein hypothetical protein hypothetical protein Trypsin hypothetical protein Juvenile hormone esterase conserved hypothetical protein	AAELU14244-HA AAEL003663-RA AAEL00342-RA AAEL003482-RA AAEL009095-RA AAEL006903-RA AAEL005199-RA AAEL005178-RA AAEL003467-RA	3.825 4.024 4.167 4.206 4.429 4.534 4.799 8.250	down down down down down down down	-1.935 -2.009 -2.059 -2.072 -2.147 -2.181 -2.263 -3.044	0.009 0.003 0.026 0.031 0.028 0.004 0.003 0.018

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