

Supplementary Materials: Allergen Content of Therapeutic Preparations for Allergen-Specific Immunotherapy of European Paper Wasp Venom Allergy

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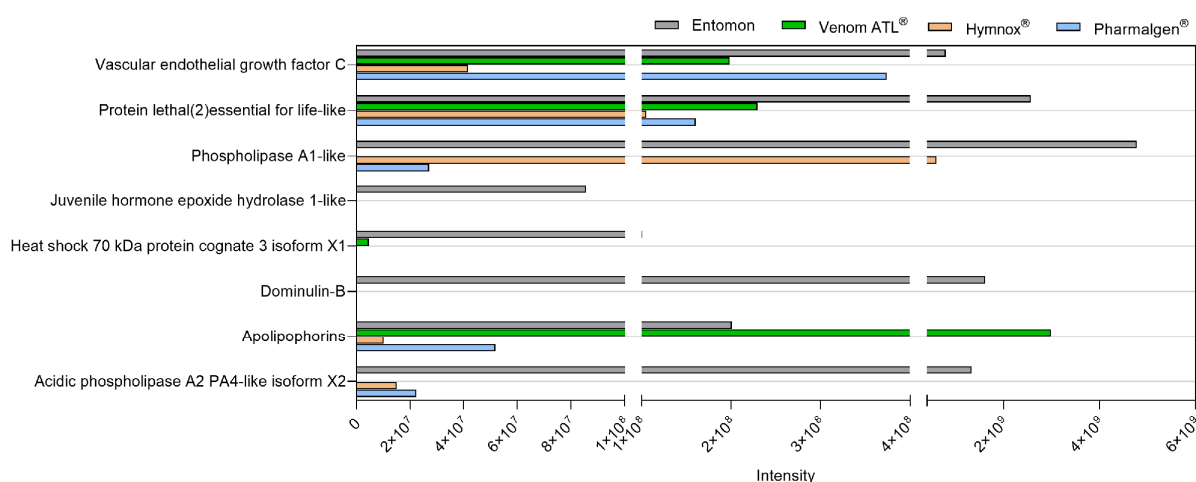


Figure S1. Analysis of *P. dominula* venom-containing therapeutic venom preparations by LC-MS/MS. Quantitative comparison of the amounts of proteins, which are not annotated as allergens, but identified as 'true venom components'.

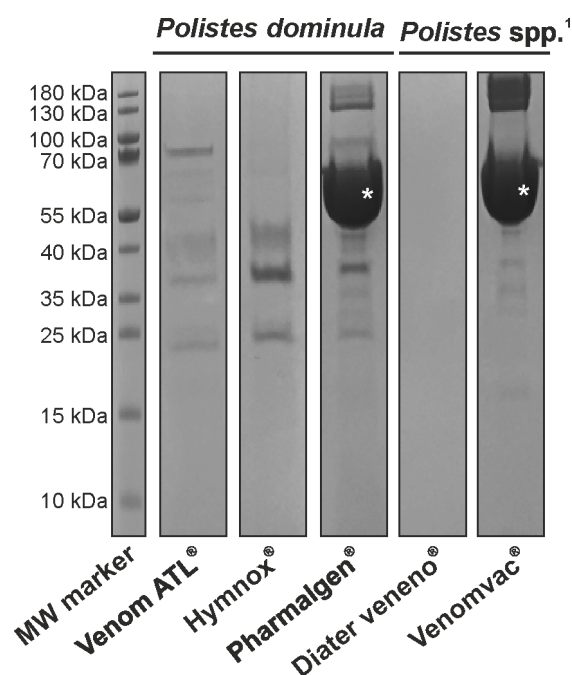


Figure S2. SDS-PAGE analysis of *Polistes* venom-containing therapeutic preparations. Analysis of a second vial from the same package of the batches of five different therapeutic *Polistes* venom preparations analysed in Figure 3a. The analysis was performed in a different laboratory by another operator. The lyophilized products were freshly reconstituted with ddH₂O and a total of 15 µg (according to the specifications of the manufacturers) venom were separated based on their molecular weight using freshly casted Tris-Tricine gels and visualized by Coomassie blue staining. White asterisks indicate the band of human serum albumin contained in some of the venom preparations. ¹*Polistes* spp. venom contains a mix of venoms from different American *Polistes* species such as *P. fuscatus*, *P. metricus*, *P. exclamans*, and *P. annularis*. MW, molecular weight; SDS-PAGE, sodium dodecyl sulfate polyacrylamide gel electrophoresis.

Table S1. All identified protein groups including unique identifier for each protein, FASTA headers and intensities. Protein Ids: unique protein identifier (accession number). Protein group: proteins sharing the same identified peptides. Number of proteins: number of proteins in a protein group. Peptides: number of peptides assigned to one protein group. Razor peptide: a peptide assigned to the protein group with the largest number of total peptides identified. Razor + unique peptides: peptides assigned to the protein group with the largest number of total peptides, which only match to this specific protein group. Unique peptides: unique peptide sequences after removing redundancy from peptide hits.

								Intensity			
Protein IDs	Majority protein IDs	Fasta headers	Number of proteins	Peptides	Razor + unique peptides	Unique peptides	Mol. weight [kDa]	Entonom	Venom ATL	Pharmalgen	Hymnox
XP_015187185.1;spQ6Q25.2.1 PA11_POLDO;AAS67041.1	XP_015187185.1;spQ6Q25.2.1 PA11_POLDO;AAS67041.1	XP_015187185.1 PREDICTED: phospholipase A1 1 [Polistes dominula];spQ6Q25.2.1 PA11_POLDO RecName: Full=Phospholipase A1 1; AltName: Allergen=Pol d 1; Flags: Precursor;AAS67041.1 venom phospholipase A1 1 precursor [Polistes dominula]	3	31	2	0	37,559	3866200000	179370000	4568000000	3174700000
sp P0C1M7.1 MASTB_POLDO	sp P0C1M7.1 MASTB_POLDO	sp P0C1M7.1 MASTB_POLDO RecName: Full=Dominulin-B	1	2	2	2	1,9113	1616400000	0	0	0
XP_015171391.1	XP_015171391.1	XP_015171391.1 PREDICTED: uncharacterized protein YJR142W [Polistes dominula]	1	2	2	2	37,671	0	0	0	0
XP_015171393.1	XP_015171393.1	XP_015171393.1 PREDICTED: aspartate aminotransferase, mitochondrial [Polistes dominula]	1	2	2	2	47,906	16371000	0	0	0
XP_015171471.1	XP_015171471.1	XP_015171471.1 PREDICTED: probable salivary secreted peptide [Polistes dominula]	1	2	2	2	14,523	0	0	0	7722500
XP_015171577.1;XP_015171576.1;XP_015171575.1	XP_015171577.1;XP_015171576.1;XP_015171575.1	XP_015171577.1 PREDICTED: pyruvate carboxylase, mitochondrial isoform X3 [Polistes dominula];XP_015171576.1 PREDICTED: pyruvate carboxylase, mitochondrial isoform X2 [Polistes dominula];XP_015171575.1 PREDICTED: pyruvate carboxylase, mitochondrial isoform	3	2	2	2	112,04	0	0	106590000	0
XP_015171752.1;XP_015171751.1	XP_015171752.1;XP_015171751.1	XP_015171752.1 PREDICTED: phosphoserine phosphatase isoform X2 [Polistes dominula];XP_015171751.1 PREDICTED: phosphoserine phosphatase isoform X1 [Polistes dominula]	2	2	2	2	25,17	0	5435800	0	0
XP_015171804.1;XP_015171803.1;XP_015171802.1;XP_015171801.1	XP_015171804.1;XP_015171803.1;XP_015171802.1;XP_015171801.1	XP_015171804.1 PREDICTED: renin receptor isoform X4 [Polistes dominula];XP_015171803.1 PREDICTED: renin receptor isoform X3 [Polistes dominula];XP_015171802.1 PREDICTED: renin receptor isoform X2 [Polistes dominula];XP_015171801.1 PREDICTED: renin receptor	4	2	2	2	47,549	8041900	0	0	0
XP_015171815.1	XP_015171815.1	XP_015171815.1 PREDICTED: peroxiredoxin-6-like [Polistes dominula]	1	2	2	2	24,971	12336000	0	0	0
XP_015172205.1	XP_015172205.1	XP_015172205.1 PREDICTED: chloride intracellular channel exc-4 [Polistes dominula]	1	2	2	2	29,846	0	0	0	0
XP_015172559.1;XP_015172558.1	XP_015172559.1;XP_015172558.1	XP_015172559.1 PREDICTED: poly(U)-specific endoribonuclease homolog [Polistes dominula];XP_015172558.1 PREDICTED: poly(U)-specific endoribonuclease homolog [Polistes dominula]	2	2	2	2	37,791	2040700	6230400	0	0
XP_015172580.1	XP_015172580.1	XP_015172580.1 PREDICTED: plasminogen activator inhibitor 1 RNA-binding protein [Polistes dominula]	1	2	2	2	47,78	0	0	0	0
XP_015188342.1;XP_015172763.1	XP_015188342.1;XP_015172763.1	XP_015188342.1 PREDICTED: 40S ribosomal protein S28-like [Polistes dominula];XP_015172763.1 PREDICTED: 40S ribosomal protein S28 [Polistes dominula]	2	2	2	2	7,3996	11708000	4247600	20585000	0
XP_015181269.1;XP_015177524.1;XP_015173448.1	XP_015181269.1;XP_015177524.1;XP_015173448.1	XP_015181269.1 PREDICTED: histone H2B [Polistes dominula];XP_015177524.1 PREDICTED: histone H2B-like [Polistes dominula];XP_015173448.1 PREDICTED: histone H2B-like [Polistes dominula]	3	2	2	2	13,728	20928000	0	0	0

XP_015173468.1;XP_015173467.1;XP_015173466.1;XP_015173465.1;XP_015173464.1;XP_015173463.1;XP_015173462.1;XP_015173461.1;XP_015173460.1	XP_015173468.1;XP_015173467.1;XP_015173466.1;XP_015173465.1;XP_015173464.1;XP_015173463.1;XP_015173462.1;XP_015173461.1;XP_015173460.1	XP_015173468.1 PREDICTED: uncharacterized protein LOC107064856 isoform X6 [Polistes dominula];XP_015173467.1 PREDICTED: uncharacterized protein LOC107064856 isoform X5 [Polistes dominula];XP_015173466.1 PREDICTED: uncharacterized protein LOC107064856 isofo	8	2	2	2	100,95	0	0	0	1002900
XP_015173510.1	XP_015173510.1	XP_015173510.1 PREDICTED: sorting nexin-12 [Polistes dominula]	1	2	2	2	19,045	0	0	0	0
XP_015174063.1;XP_015174062.1;XP_015174061.1;XP_015174060.1	XP_015174063.1;XP_015174062.1;XP_015174061.1;XP_015174060.1	XP_015174063.1 PREDICTED: alpha-tocopherol transfer protein-like isoform X2 [Polistes dominula];XP_015174062.1 PREDICTED: alpha-tocopherol transfer protein-like isoform X2 [Polistes dominula];XP_015174061.1 PREDICTED: alpha-tocopherol transfer protein-like	4	2	2	2	35,19	5004800	0	0	0
XP_015174070.1;XP_015174069.1;XP_015174068.1;XP_015174067.1;XP_015174066.1;XP_015174065.1;XP_015174064.1	XP_015174070.1;XP_015174069.1;XP_015174068.1;XP_015174067.1;XP_015174066.1;XP_015174065.1;XP_015174064.1	XP_015174070.1 PREDICTED: vinculin isoform X7 [Polistes dominula];XP_015174069.1 PREDICTED: vinculin isoform X6 [Polistes dominula];XP_015174068.1 PREDICTED: vinculin isoform X5 [Polistes dominula];XP_015174072.1 PREDICTED: vinculin isoform X9 [Polistes do	9	2	2	2	107,16	1088100	0	0	0
XP_015174105.1	XP_015174105.1	XP_015174105.1 PREDICTED: glycine-rich cell wall structural protein-like [Polistes dominula]	1	2	2	2	39,436	0	84925000	0	0
XP_015174139.1	XP_015174139.1	XP_015174139.1 PREDICTED: mesencephalic astrocyte-derived neurotrophic factor homolog [Polistes dominula]	1	2	2	2	20,189	0	21328000	7259700	2953000
XP_015174186.1	XP_015174186.1	XP_015174186.1 PREDICTED: aldose 1-epimerase [Polistes dominula]	1	2	2	2	41,641	0	58296000	0	0
XP_015174359.1;XP_015174358.1;XP_015174357.1	XP_015174359.1;XP_015174358.1;XP_015174357.1	XP_015174359.1 PREDICTED: fasciclin-2 isoform X4 [Polistes dominula];XP_015174358.1 PREDICTED: fasciclin-2 isoform X3 [Polistes dominula];XP_015174356.1 PREDICTED: fasciclin-2 isoform X1 [Polistes dominula];XP_015174357.1 PREDICTED: fasciclin-2 isoform X2	4	2	2	2	88,348	4441700	0	0	0
XP_015174371.1;XP_015174370.1	XP_015174371.1;XP_015174370.1	XP_015174371.1 PREDICTED: leukocyte elastase inhibitor-like isoform X2 [Polistes dominula];XP_015174370.1 PREDICTED: leukocyte elastase inhibitor-like isoform X1 [Polistes dominula]	2	2	2	2	49,615	0	34111000	0	0
XP_015174516.1;XP_015174515.1	XP_015174516.1;XP_015174515.1	XP_015174516.1 PREDICTED: peptidyl-prolyl cis-trans isomerase FKBP4-like isoform X2 [Polistes dominula];XP_015174515.1 PREDICTED: FK506-binding protein 59-like isoform X1 [Polistes dominula]	2	2	2	2	45,63	0	25483000	0	0

XP_015174856.1	XP_015174856.1	XP_015174856.1 PREDICTED: serine/threonine-protein phosphatase 2A activator-like [Polistes dominula]	1	2	2	2	38,447	0	8750300	0	0
XP_015175066.1	XP_015175066.1	XP_015175066.1 PREDICTED: magnesium-dependent phosphatase 1-like [Polistes dominula]	1	2	2	2	18,845	0	10166000	0	0
XP_015175125.1	XP_015175125.1	XP_015175125.1 PREDICTED: estradiol 17-beta-dehydrogenase 8-like [Polistes dominula]	1	2	2	2	26,658	0	9737600	0	0
XP_015175375.1;XP_015175374.1	XP_015175375.1;XP_015175374.1	XP_015175375.1 PREDICTED: 40S ribosomal protein S12 isoform X2 [Polistes dominula];XP_015175374.1 PREDICTED: 40S ribosomal protein S12 isoform X1 [Polistes dominula]	2	2	2	2	13,541	0	19166000	0	0
XP_015175542.1	XP_015175542.1	XP_015175542.1 PREDICTED: transitional endoplasmic reticulum ATPase TER94 [Polistes dominula]	1	2	2	2	88,693	2806900	0	0	0
XP_015175593.1	XP_015175593.1	XP_015175593.1 PREDICTED: uncharacterized protein LOC107065962 [Polistes dominula]	1	2	2	2	33,21	0	0	0	0
XP_015175623.1;XP_015187333.1;XP_015187332.1	XP_015175623.1;XP_015187333.1;XP_015187332.1	XP_015175623.1 PREDICTED: acetylcholinesterase [Polistes dominula];XP_015187333.1 PREDICTED: venom carboxylesterase-6-like isoform X2 [Polistes dominula];XP_015187332.1 PREDICTED: esterase FE4-like isoform X1 [Polistes dominula]	3	2	2	2	62,512	0	7388200	0	0
XP_015175776.1;XP_015175775.1	XP_015175776.1;XP_015175775.1	XP_015175776.1 PREDICTED: regulator of chromosome condensation-like isoform X2 [Polistes dominula];XP_015175775.1 PREDICTED: regulator of chromosome condensation-like isoform X1 [Polistes dominula]	2	2	2	2	46,03	0	0	0	0
XP_015175900.1;XP_015175901.1;XP_015175899.1	XP_015175900.1;XP_015175901.1;XP_015175899.1	XP_015175900.1 PREDICTED: protein enhancer of sevenless 2B [Polistes dominula];XP_015175901.1 PREDICTED: protein enhancer of sevenless 2B [Polistes dominula];XP_015175899.1 PREDICTED: protein enhancer of sevenless 2B [Polistes dominula]	3	2	2	2	24,746	0	7903600	7532900	2394600
XP_015176317.1	XP_015176317.1	XP_015176317.1 PREDICTED: peptidyl-prolyl cis-trans isomerase FKBP1A [Polistes dominula]	1	2	2	2	11,86	7136400	0	67439000	3240300
XP_015176386.1	XP_015176386.1	XP_015176386.1 PREDICTED: abnormal spindle-like microcephaly-associated protein homolog [Polistes dominula]	1	2	2	2	15,539	0	0	0	0
XP_015176486.1	XP_015176486.1	XP_015176486.1 PREDICTED: ubiquitin-like protein 5 [Polistes dominula]	1	2	2	2	8,681	0	0	0	0
XP_015176527.1	XP_015176527.1	XP_015176527.1 PREDICTED: lysozyme c-l-like [Polistes dominula]	1	2	2	2	18,23	33063000	0	0	0
XP_015176929.1	XP_015176929.1	XP_015176929.1 PREDICTED: proline dehydrogenase 1, mitochondrial [Polistes dominula]	1	2	2	2	71,853	6400500	0	0	0
XP_015176930.1	XP_015176930.1	XP_015176930.1 PREDICTED: profilin [Polistes dominula]	1	2	2	2	13,715	8910100	0	0	0
XP_015177131.1;XP_015189964.1;XP_015189970.1	XP_015177131.1;XP_015189964.1;XP_015189970.1	XP_015177131.1 PREDICTED: titin [Polistes dominula];XP_015189964.1 PREDICTED: RNA-binding protein 12B-like, partial [Polistes dominula];XP_015189970.1 PREDICTED: RNA-binding protein 12B-like, partial [Polistes dominula]	3	2	2	2	438,01	0	0	0	0

XP_01517728 4.1;XP_01517 7283.1;XP_01 5177282.1;XP _015177281.1 ;XP_0151772 80.1;XP_0151 77279.1	XP_015177284.1;XP_ 015177283.1;XP_015 177282.1;XP_015177 281.1;XP_015177280. 1;XP_015177279.1	XP_015177284.1 PREDICTED: coronin-6 isoform X3 [Polistes dominula];XP_015177283.1 PREDICTED: coronin-6 isoform X3 [Polistes dominula];XP_015177282.1 PREDICTED: coronin-6 isoform X3 [Polistes dominula];XP_015177281.1 PREDICTED: coronin-6 isoform X2 [Poliste	6	2	2	2	54,775	0	3853600	0	842190
XP_01517731 1.1	XP_015177311.1	XP_015177311.1 PREDICTED: ubiquitin carboxyl-terminal hydrolase 14 [Polistes dominula]	1	2	2	2	56,986	0	0	0	0
XP_01517780 6.1	XP_015177806.1	XP_015177806.1 PREDICTED: ubiquitin-conjugating enzyme E2-17 kDa [Polistes dominula]	1	2	2	2	16,678	0	35033000	0	0
XP_01517785 6.1	XP_015177856.1	XP_015177856.1 PREDICTED: uroporphyrinogen decarboxylase [Polistes dominula]	1	2	2	2	39,809	0	10567000	0	0
XP_01517804 7.1;XP_01517 8045.1	XP_015178047.1;XP_ 015178045.1	XP_015178047.1 PREDICTED: SUMO-conjugating enzyme UBC9-B [Polistes dominula];XP_015178045.1 PREDICTED: SUMO-conjugating enzyme UBC9-B [Polistes dominula]	2	2	2	2	18,135	0	24148000	0	0
XP_01517812 9.1;XP_01517 8128.1;XP_01 5178127.1	XP_015178129.1;XP_ 015178128.1;XP_015 178127.1	XP_015178129.1 PREDICTED: beta-mannosidase isoform X3 [Polistes dominula];XP_015178128.1 PREDICTED: beta-mannosidase isoform X2 [Polistes dominula];XP_015178127.1 PREDICTED: beta-mannosidase isoform X1 [Polistes dominula]	3	2	2	2	89,441	0	8460400	0	0
XP_01517818 4.1	XP_015178184.1	XP_015178184.1 PREDICTED: adipocyte plasma membrane-associated protein-like [Polistes dominula]	1	2	2	2	75,446	0	6701700	0	0
XP_01517822 1.1;XP_01517 8220.1;XP_01 5178219.1	XP_015178221.1;XP_ 015178220.1;XP_015 178219.1	XP_015178221.1 PREDICTED: aspartate--tRNA ligase, cytoplasmic [Polistes dominula];XP_015178220.1 PREDICTED: aspartate--tRNA ligase, cytoplasmic [Polistes dominula];XP_015178219.1 PREDICTED: aspartate--tRNA ligase, cytoplasmic [Polistes dominula]	3	2	2	2	60,022	0	10686000	0	0
XP_01517837 6.1	XP_015178376.1	XP_015178376.1 PREDICTED: PC4 and SFRS1-interacting protein [Polistes dominula]	1	2	2	2	63,542	0	0	0	32234000
XP_01517865 3.1	XP_015178653.1	XP_015178653.1 PREDICTED: ubiquitin domain-containing protein UBFD1-like [Polistes dominula]	1	2	2	2	34,426	0	7018000	0	0
XP_01517874 3.1	XP_015178743.1	XP_015178743.1 PREDICTED: uncharacterized protein LOC107067604 [Polistes dominula]	1	2	2	2	342,16	0	0	0	0
XP_01517877 9.1	XP_015178779.1	XP_015178779.1 PREDICTED: deoxyribose-phosphate aldolase [Polistes dominula]	1	2	2	2	34,508	0	5537900	17133000	0
XP_01517880 0.1	XP_015178800.1	XP_015178800.1 PREDICTED: LDLR chaperone boca [Polistes dominula]	1	2	2	2	23,378	0	18221000	0	0
XP_01517883 3.1;XP_01517 8832.1;XP_01 5178831.1;XP _015178830.1 ;XP_0151788 29.1;XP_0151 78828.1	XP_015178833.1;XP_ 015178832.1;XP_015 178831.1;XP_015178 830.1;XP_015178829. 1;XP_015178828.1	XP_015178833.1 PREDICTED: 2-oxoglutarate dehydrogenase, mitochondrial isoform X6 [Polistes dominula];XP_015178832.1 PREDICTED: 2-oxoglutarate dehydrogenase, mitochondrial isoform X5 [Polistes dominula];XP_015178831.1 PREDICTED: 2-oxoglutarate dehydrogenase	6	2	2	2	115,32	2708900	0	0	0
XP_01517896 7.1	XP_015178967.1	XP_015178967.1 PREDICTED: ATP synthase subunit O, mitochondrial [Polistes dominula]	1	2	2	2	22,576	15805000	0	0	0

XP_01517903.9.1	XP_015179039.1	XP_015179039.1 PREDICTED: coiled-coil domain-containing protein 58 [Polistes dominula]	1	2	2	2	16,738	0	4936300	0	0
XP_01517907.0.1	XP_015179070.1	XP_015179070.1 PREDICTED: la protein homolog [Polistes dominula]	1	2	2	2	51,819	0	0	795920000	0
XP_01517921.7.1;XP_015179216.1;XP_015179215.1;XP_015179214.1;XP_015179213.1;XP_015179212.1;XP_015179211.1;XP_015179210.1;XP_015179209.1;XP_015179208.1	XP_015179217.1;XP_015179216.1;XP_015179215.1;XP_015179214.1;XP_015179213.1;XP_015179212.1;XP_015179211.1;XP_015179210.1;XP_015179209.1;XP_015179208.1	XP_015179217.1 PREDICTED: RNA-binding protein 4.1-like isoform X5 [Polistes dominula];XP_015179216.1 PREDICTED: RNA-binding protein 4.1-like isoform X4 [Polistes dominula];XP_015179215.1 PREDICTED: RNA-binding protein 4-like isoform X3 [Polistes dominula];	7	2	2	2	35,483	0	0	0	0
XP_01517926.0.1	XP_015179260.1	XP_015179260.1 PREDICTED: protein NPC2 homolog [Polistes dominula]	1	2	2	2	16,763	0	23675000	0	23750000
XP_01517976.8.1	XP_015179768.1	XP_015179768.1 PREDICTED: translation machinery-associated protein 7 homolog [Polistes dominula]	1	2	2	2	6,937	0	131250000	0	0
XP_01517978.6.1	XP_015179786.1	XP_015179786.1 PREDICTED: protein CDV3 homolog [Polistes dominula]	1	2	2	2	27,699	0	0	0	0
XP_01518023.3.1	XP_015180233.1	XP_015180233.1 PREDICTED: very long-chain specific acyl-CoA dehydrogenase, mitochondrial [Polistes dominula]	1	2	2	2	69,648	17916000	0	0	0
XP_01518024.7.1	XP_015180247.1	XP_015180247.1 PREDICTED: venom acid phosphatase Acph-1-like [Polistes dominula]	1	2	2	2	47,808	0	11156000	0	0
XP_01518035.9.1	XP_015180359.1	XP_015180359.1 PREDICTED: probable aspartate aminotransferase, cytoplasmic [Polistes dominula]	1	2	2	2	46,631	6473300	0	0	2048800
XP_01518055.9.1	XP_015180559.1	XP_015180559.1 PREDICTED: uncharacterized protein LOC107068554 [Polistes dominula]	1	2	2	2	181,35	0	23832000	0	26839000
XP_01518087.9.1	XP_015180879.1	XP_015180879.1 PREDICTED: mitochondrial fission 1 protein-like isoform X2 [Polistes dominula]	1	2	2	2	16,924	4624000	7045600	5393200	0
XP_01518111.9.1;XP_015181118.1	XP_015181119.1;XP_015181118.1	XP_015181119.1 PREDICTED: syntaxin-7-like [Polistes dominula];XP_015181118.1 PREDICTED: syntaxin-7-like [Polistes dominula]	2	2	2	2	46,093	0	2614900	0	0
XP_01518138.3.1	XP_015181383.1	XP_015181383.1 PREDICTED: calyculin-binding protein [Polistes dominula]	1	2	2	2	25,939	0	0	0	0
XP_01518148.0.1;XP_015181479.1;XP_015181478.1	XP_015181480.1;XP_015181479.1;XP_015181478.1	XP_015181480.1 PREDICTED: transcription factor BTF3 homolog 4 [Polistes dominula];XP_015181479.1 PREDICTED: transcription factor BTF3 homolog 4 [Polistes dominula];XP_015181478.1 PREDICTED: transcription factor BTF3 homolog 4 [Polistes dominula]	3	2	2	2	20,067	0	0	0	0
XP_01518154.7.1	XP_015181547.1	XP_015181547.1 PREDICTED: kiellin/chordin-like protein [Polistes dominula]	1	2	2	2	35,413	11615000	0	0	0
XP_01518157.1.1;XP_015181570.1;XP_015181569.1;XP_015181568.1;XP_015181567.1	XP_015181571.1;XP_015181570.1;XP_015181569.1;XP_015181568.1;XP_015181567.1	XP_015181571.1 PREDICTED: putative uncharacterized protein DDB_G0290521 isoform X4 [Polistes dominula];XP_015181570.1 PREDICTED: putative uncharacterized protein DDB_G0290521 isoform X3 [Polistes dominula];XP_015181569.1 PREDICTED: extensin-like isoform X2	5	2	2	2	30,676	0	0	143180000	0

XP_01518173.6.1	XP_015181736.1	XP_015181736.1 PREDICTED: methionine aminopeptidase 1 [Polistes dominula]	1	2	2	2	42,308	0	0	0	0
XP_01518182.4.1	XP_015181824.1	XP_015181824.1 PREDICTED: dehydrogenase/reductase SDR family member 11-like [Polistes dominula]	1	2	2	2	26,94	0	8687300	0	0
XP_01518198.7.1	XP_015181987.1	XP_015181987.1 PREDICTED: GMP reductase 1-like [Polistes dominula]	1	2	2	2	37,86	0	2866000	0	1185100
XP_01518204.8.1	XP_015182048.1	XP_015182048.1 PREDICTED: histidine triad nucleotide-binding protein 1 [Polistes dominula]	1	2	2	2	17,31	0	15030000	0	3111900
XP_01518236.3.1;XP_015182362.1	XP_015182363.1;XP_015182362.1	XP_015182363.1 PREDICTED: extended synaptotagmin-2 isoform X2 [Polistes dominula];XP_015182362.1 PREDICTED: extended synaptotagmin-2 isoform X1 [Polistes dominula]	2	2	2	2	90,538	0	0	0	0
XP_01518242.5.1	XP_015182425.1	XP_015182425.1 PREDICTED: isopentenyl-diphosphate Delta-isomerase 1 [Polistes dominula]	1	2	2	2	28,583	0	3417300	0	0
XP_01518254.8.1	XP_015182548.1	XP_015182548.1 PREDICTED: uncharacterized protein LOC107069612 [Polistes dominula]	1	2	2	2	9,6082	0	37417000	0	0
XP_01518289.4.1	XP_015182894.1	XP_015182894.1 PREDICTED: 40S ribosomal protein S10-like [Polistes dominula]	1	2	2	2	18,008	3360400	0	0	0
XP_01518317.3.1	XP_015183173.1	XP_015183173.1 PREDICTED: coiled-coil domain-containing protein 25 [Polistes dominula]	1	2	2	2	24,592	0	3650400	0	0
XP_01518329.9.1	XP_015183299.1	XP_015183299.1 PREDICTED: Na ⁺ /H ⁺ exchange regulatory cofactor NHE-RF1 [Polistes dominula]	1	2	2	2	30,333	23566000	0	0	2695300
XP_01518343.2.1;XP_015183431.1;XP_015183430.1;XP_015183429.1;XP_015183428.1;XP_015183427.1	XP_015183432.1;XP_015183431.1;XP_015183430.1;XP_015183429.1;XP_015183428.1;XP_015183427.1	XP_015183432.1 PREDICTED: protein tyrosine phosphatase type IVA 1 [Polistes dominula];XP_015183431.1 PREDICTED: protein tyrosine phosphatase type IVA 1 [Polistes dominula];XP_015183430.1 PREDICTED: protein tyrosine phosphatase type IVA 1 [Polistes dominula];XP_015183429.1 PREDICTED: protein tyrosine phosphatase type IVA 1 [Polistes dominula];XP_015183428.1 PREDICTED: protein tyrosine phosphatase type IVA 1 [Polistes dominula];XP_015183427.1 PREDICTED: protein tyrosine phosphatase type IVA 1 [Polistes dominula]	6	2	2	2	20,109	0	0	0	0
XP_01518460.3.1;XP_015184602.1;XP_015184600.1;XP_015184599.1	XP_015184603.1;XP_015184602.1;XP_015184600.1;XP_015184599.1	XP_015184603.1 PREDICTED: aminopeptidase N isoform X2 [Polistes dominula];XP_015184602.1 PREDICTED: aminopeptidase N isoform X2 [Polistes dominula];XP_015184600.1 PREDICTED: aminopeptidase N isoform X2 [Polistes dominula];XP_015184599.1 PREDICTED: aminopep	4	2	2	2	113,23	3093800	2240000	0	0
XP_01518471.7.1;XP_015184716.1	XP_015184717.1;XP_015184716.1	XP_015184717.1 PREDICTED: uncharacterized protein DDB_G0286299-like [Polistes dominula];XP_015184716.1 PREDICTED: uncharacterized protein DDB_G0286299-like [Polistes dominula]	2	2	2	2	42,272	0	0	0	0
XP_01518502.7.1;XP_015185026.1;XP_015185024.1;XP_015185023.1	XP_015185027.1;XP_015185026.1;XP_015185024.1;XP_015185023.1	XP_015185027.1 PREDICTED: peroxiredoxin-5, mitochondrial isoform X2 [Polistes dominula];XP_015185026.1 PREDICTED: peroxiredoxin-5, mitochondrial isoform X2 [Polistes dominula];XP_015185024.1 PREDICTED: peroxiredoxin-5, mitochondrial isoform X2 [Polistes do	4	2	2	2	16,732	36176000	0	0	0
XP_01518510.8.1	XP_015185108.1	XP_015185108.1 PREDICTED: pyrimidodiazequine synthase-like [Polistes dominula]	1	2	2	2	27,772	0	10368000	0	0
XP_01518520.5.1	XP_015185205.1	XP_015185205.1 PREDICTED: protein FAM32A [Polistes dominula]	1	2	2	2	13,712	0	14181000000	2184200000	714470000

XP_01518527 7.1;XP_01518 5276.1	XP_015185277.1;XP_ 015185276.1	XP_015185277.1 PREDICTED: F-actin-capping protein subunit beta isoform X2 [Polistes dominula];XP_015185276.1 PREDICTED: F-actin-capping protein subunit beta isoform X1 [Polistes dominula]	2	2	2	2	30,203	0	0	22469000	0
XP_01518538 5.1	XP_015185385.1	XP_015185385.1 PREDICTED: ribosome-recycling factor, mitochondrial [Polistes dominula]	1	2	2	2	33,38	0	0	0	0
XP_01518566 1.1;XP_01518 5660.1;XP_01 5185659.1;XP _015185658.1 ;XP_0151856 57.1;XP_0151 85656.1;XP_0 15185655.1;X P_015185654. 1;XP_015185 653.1	XP_015185661.1;XP_ 015185660.1;XP_015 185659.1;XP_015185 658.1;XP_015185657. 1;XP_015185656.1;X P_015185655.1;XP_0 15185654.1;XP_0151 85653.1	XP_015185661.1 PREDICTED: ras-related protein Rab-5B [Polistes dominula];XP_015185660.1 PREDICTED: ras-related protein Rab-5B [Polistes dominula];XP_015185659.1 PREDICTED: ras-related protein Rab-5B [Polistes dominula];XP_015185658.1 PREDICTED: ras-related	9	2	2	2	23,472	0	0	0	0
XP_01518566 8.1;XP_01518 5666.1	XP_015185668.1;XP_ 015185666.1	XP_015185668.1 PREDICTED: UTP--glucose-1-phosphate uridylyltransferase isoform X2 [Polistes dominula];XP_015185666.1 PREDICTED: UTP--glucose-1-phosphate uridylyltransferase isoform X1 [Polistes dominula]	2	2	2	2	57,566	8563900	0	0	0
XP_01518567 8.1	XP_015185678.1	XP_015185678.1 PREDICTED: DNA ligase 1-like [Polistes dominula]	1	2	2	2	38,872	0	0	0	0
XP_01518569 9.1;XP_01518 5698.1	XP_015185699.1;XP_ 015185698.1	XP_015185699.1 PREDICTED: uncharacterized protein LOC107071317 isoform X2 [Polistes dominula];XP_015185698.1 PREDICTED: uncharacterized protein LOC107071317 isoform X1 [Polistes dominula]	2	2	2	2	12,343	0	4360200	0	0
XP_01518574 1.1	XP_015185741.1	XP_015185741.1 PREDICTED: eukaryotic initiation factor 4A-I [Polistes dominula]	1	2	2	2	48,227	7210700	0	0	0
XP_01518619 5.1;XP_01518 6194.1	XP_015186195.1;XP_ 015186194.1	XP_015186195.1 PREDICTED: regucalcin-like isoform X2 [Polistes dominula];XP_015186194.1 PREDICTED: regucalcin-like isoform X1 [Polistes dominula]	2	2	2	2	34,971	0	21340000	14752000	4361000
XP_01518627 4.1;XP_01518 6273.1	XP_015186274.1;XP_ 015186273.1	XP_015186274.1 PREDICTED: vigilin [Polistes dominula];XP_015186273.1 PREDICTED: vigilin [Polistes dominula]	2	2	2	2	139,5	0	0	0	0
XP_01518664 8.1;XP_01518 6647.1	XP_015186648.1;XP_ 015186647.1	XP_015186648.1 PREDICTED: uncharacterized protein LOC107071834 isoform X2 [Polistes dominula];XP_015186647.1 PREDICTED: uncharacterized protein LOC107071834 isoform X1 [Polistes dominula]	2	2	2	2	49,189	12998000	0	0	0

XP_01518674.1;XP_015186749.1;XP_015186745.1;XP_015186744.1;XP_015186743.1;XP_015186742.1;XP_015186741.1;XP_015186740.1;XP_015186739.1;XP_015186738.1	XP_015186747.1;XP_015186749.1;XP_015186745.1;XP_015186744.1;XP_015186743.1;XP_015186742.1;XP_015186741.1;XP_015186740.1;XP_015186739.1;XP_015186738.1	XP_015186747.1 PREDICTED: myosin heavy chain, muscle isoform X9 [Polistes dominula];XP_015186749.1 PREDICTED: myosin heavy chain, muscle isoform X11 [Polistes dominula];XP_015186745.1 PREDICTED: myosin heavy chain, muscle isoform X8 [Polistes dominula];XP_015186744.1 PREDICTED: myosin heavy chain, muscle isoform X10 [Polistes dominula];XP_015186743.1 PREDICTED: myosin heavy chain, muscle isoform X9 [Polistes dominula];XP_015186742.1 PREDICTED: myosin heavy chain, muscle isoform X8 [Polistes dominula];XP_015186741.1 PREDICTED: myosin heavy chain, muscle isoform X8 [Polistes dominula];XP_015186740.1 PREDICTED: myosin heavy chain, muscle isoform X8 [Polistes dominula];XP_015186739.1 PREDICTED: myosin heavy chain, muscle isoform X8 [Polistes dominula];XP_015186738.1 PREDICTED: myosin heavy chain, muscle isoform X8 [Polistes dominula]	11	2	2	2	223,25	0	29084000	0	0
XP_01518720.1	XP_015187200.1	XP_015187200.1 PREDICTED: transcriptional adapter 2B isoform X13 [Polistes dominula]	1	2	2	2	69,471	2026400	64608000	52067000	14478000
XP_01518747.5.1	XP_015187475.1	XP_015187475.1 PREDICTED: partner of Y14 and mago [Polistes dominula]	1	2	2	2	23,633	0	0	0	0
XP_01518811.0.1;XP_015188108.1;XP_015188107.1;XP_015188109.1	XP_015188110.1;XP_015188108.1;XP_015188107.1;XP_015188109.1	XP_015188110.1 PREDICTED: dystroglycan-like isoform X3 [Polistes dominula];XP_015188108.1 PREDICTED: dystroglycan-like isoform X1 [Polistes dominula];XP_015188107.1 PREDICTED: dystroglycan-like isoform X1 [Polistes dominula];XP_015188109.1 PREDICTED: dystroglycan-like isoform X1 [Polistes dominula];XP_015188109.1 PREDICTED: dystroglycan-like isoform X1 [Polistes dominula]	4	2	2	2	130,1	4315800	0	0	0
XP_01518817.0.1	XP_015188170.1	XP_015188170.1 PREDICTED: T-complex protein 1 subunit delta [Polistes dominula]	1	2	2	2	57,302	3201800	0	0	0
XP_01518827.3.1	XP_015188273.1	XP_015188273.1 PREDICTED: actin-interacting protein 1 [Polistes dominula]	1	2	2	2	66,201	0	0	0	7357300
XP_01518846.5.1;XP_015188456.1	XP_015188465.1;XP_015188456.1	XP_015188465.1 PREDICTED: lamin Dm0-like isoform X2 [Polistes dominula];XP_015188456.1 PREDICTED: lamin Dm0-like isoform X1 [Polistes dominula]	2	2	2	2	69,636	0	0	0	3203000
XP_01518847.6.1	XP_015188476.1	XP_015188476.1 PREDICTED: protein SCO1 homolog, mitochondrial [Polistes dominula]	1	2	2	2	29,851	0	4410900	0	0
XP_01518893.8.1	XP_015188938.1	XP_015188938.1 PREDICTED: uncharacterized protein LOC107073047 [Polistes dominula]	1	2	2	2	27,7	0	0	0	0
XP_01518909.5.1;XP_015189094.1	XP_015189095.1;XP_015189094.1	XP_015189095.1 PREDICTED: WAP four-disulfide core domain protein 3-like [Polistes dominula];XP_015189094.1 PREDICTED: WAP four-disulfide core domain protein 3-like [Polistes dominula]	2	2	2	2	15,443	30451000	0	0	0

XP_01518960 6.1;XP_01518 9605.1;XP_01 5189587.1;XP _015189588.1 ;XP_0151895 89.1;XP_0151 89590.1;XP_0 15189591.1;X P_015189592. 1;XP_015189 593.1;XP_015 189594.1;XP_ 015189595.1; XP_01518959 6.1;XP_01518 9597.1;XP_01 5189598.1;XP _015189600.1 ;XP_0151896 02.1;XP_0151 89603.1;XP_0 15189604.1;X P_015189586. 1;XP_015189 599.1	XP_015189606.1;XP_ 015189605.1;XP_015 189587.1;XP_015189 588.1;XP_015189589. 1;XP_015189590.1;X P_015189591.1;XP_0 15189592.1;XP_0151 89593.1;XP_0151895 94.1;XP_015189595.1 ;XP_015189596.1;XP _015189597.1;XP_01 5189598.1;XP_01518 9600.1;XP_01518960 2.1;XP_015189603.1; XP_015189604.1;XP_ 015189586.1;XP_015 189599.1	XP_015189606.1 PREDICTED: phosphatidylinositol-binding clathrin assembly protein LAP isoform X16 [Polistes dominula];XP_015189605.1 PREDICTED: phosphatidylinositol-binding clathrin assembly protein LAP isoform X15 [Polistes dominula];XP_015189587.1 PREDICT	20	2	2	2	83,198	0	2761400	0	0
XP_01518999 5.1	XP_015189995.1	XP_015189995.1 PREDICTED: ras-related protein Rab-2 [Polistes dominula]	1	2	2	2	23,663	10984000	0	0	0
XP_01519002 8.1;XP_01519 0027.1;XP_01 5190026.1;XP _015190024.1 ;XP_0151900 23.1	XP_015190028.1;XP_ 015190027.1;XP_015 190026.1;XP_015190 024.1;XP_015190023. 1	XP_015190028.1 PREDICTED: myosin-11 isoform X5 [Polistes dominula];XP_015190027.1 PREDICTED: myosin-11 isoform X4 [Polistes dominula];XP_015190026.1 PREDICTED: myosin-11 isoform X3 [Polistes dominula];XP_015190024.1 PREDICTED: myosin-11 isoform X2 [Poliste	5	2	2	2	156,49	0	0	19380000	0
XP_01519031 8.1	XP_015190318.1	XP_015190318.1 PREDICTED: phosphoglucomutase-2 [Polistes dominula]	1	2	2	2	68,448	0	5985600	0	0
XP_01519043 1.1	XP_015190431.1	XP_015190431.1 PREDICTED: protein amalgam-like [Polistes dominula]	1	2	2	2	57,664	8815800	0	0	0
XP_01519070 8.1	XP_015190708.1	XP_015190708.1 PREDICTED: myosin regulatory light chain 2 [Polistes dominula]	1	2	2	2	23,277	0	968690000	232630000	363830000
XP_01519098 4.1	XP_015190984.1	XP_015190984.1 PREDICTED: H/ACA ribonucleoprotein complex subunit 4 [Polistes dominula]	1	2	2	2	61,077	0	2228600	0	0
XP_01519128 3.1	XP_015191283.1	XP_015191283.1 PREDICTED: selenide, water dikinase [Polistes dominula]	1	2	2	2	45,101	4126000	13964000	0	0
XP_01519132 7.1	XP_015191327.1	XP_015191327.1 PREDICTED: caspin-like [Polistes dominula]	1	2	2	2	38,061	0	7900600	0	0

XP_015191348.1	XP_015191348.1	XP_015191348.1 PREDICTED: inositol monophosphatase 2-like [Polistes dominula]	1	2	2	2	31,119	0	0	4804700	0
XP_015191423.1;XP_015191422.1;XP_015191421.1;XP_015191420.1;XP_015191424.1	XP_015191423.1;XP_015191422.1;XP_015191421.1;XP_015191420.1;XP_015191424.1	XP_015191423.1 PREDICTED: alpha-actinin, sarcomeric isoform X2 [Polistes dominula];XP_015191422.1 PREDICTED: alpha-actinin, sarcomeric isoform X1 [Polistes dominula];XP_015191421.1 PREDICTED: alpha-actinin, sarcomeric isoform X1 [Polistes dominula];XP_0151	5	2	2	2	103,11	0	0	0	6195000
XP_015191586.1	XP_015191586.1;XP_015191585.1	XP_015191586.1 PREDICTED: activated RNA polymerase II transcriptional coactivator p15 isoform X2 [Polistes dominula];XP_015191585.1 PREDICTED: activated RNA polymerase II transcriptional coactivator p15 isoform X1 [Polistes dominula]	2	2	2	2	13,775	0	0	0	0
XP_015171239.1;XP_015171238.1;XP_015171237.1;XP_015171236.1;XP_015171235.1	XP_015171239.1;XP_015171238.1;XP_015171237.1;XP_015171236.1;XP_015171235.1	XP_015171239.1 PREDICTED: RNA-binding protein Nova-1 isoform X4 [Polistes dominula];XP_015171238.1 PREDICTED: RNA-binding protein Nova-1 isoform X3 [Polistes dominula];XP_015171237.1 PREDICTED: RNA-binding protein Nova-1 isoform X2 [Polistes dominula];XP_0	5	3	3	3	43,379	0	0	0	0
XP_015172226.1;XP_015172225.1	XP_015172226.1;XP_015172225.1	XP_015172226.1 PREDICTED: succinate-semialdehyde dehydrogenase [NADP(+)] GabD [Polistes dominula];XP_015172225.1 PREDICTED: succinate-semialdehyde dehydrogenase [NADP(+)] GabD [Polistes dominula]	2	3	3	3	54,63	0	0	0	0
XP_015179060.1;XP_015184748.1;XP_015172916.1;XP_015172655.1;XP_015186969.1	XP_015179060.1;XP_015184748.1;XP_015172916.1;XP_015172655.1;XP_015186969.1	XP_015179060.1 PREDICTED: ubiquitin [Polistes dominula];XP_015184748.1 PREDICTED: ubiquitin-60S ribosomal protein L40 [Polistes dominula];XP_015172916.1 PREDICTED: ubiquitin-40S ribosomal protein S27a [Polistes dominula];XP_015172915.1 PREDICTED: ubiquitin	6	3	3	3	12,845	0	134630000	17329000	52528000
XP_015173290.1	XP_015173290.1	XP_015173290.1 PREDICTED: omega-amidase NIT2 [Polistes dominula]	1	3	3	3	34,148	0	58685000	0	0
XP_015173359.1	XP_015173359.1	XP_015173359.1 PREDICTED: 4-coumarate--CoA ligase 1-like [Polistes dominula]	1	3	3	3	53,898	4215500	13845000	0	0
XP_015173532.1	XP_015173532.1	XP_015173532.1 PREDICTED: V-type proton ATPase subunit G [Polistes dominula]	1	3	3	3	13,716	18065000	36783000	11315000	0
XP_015173963.1	XP_015173963.1	XP_015173963.1 PREDICTED: trifunctional enzyme subunit alpha, mitochondrial [Polistes dominula]	1	3	3	3	82,364	0	0	0	0
XP_015174089.1	XP_015174089.1	XP_015174089.1 PREDICTED: ubiquitin-conjugating enzyme E2 variant 2 [Polistes dominula]	1	3	3	3	16,334	0	0	0	0
XP_015174199.1;XP_015174196.1	XP_015174199.1;XP_015174196.1	XP_015174199.1 PREDICTED: heterogeneous nuclear ribonucleoprotein R isoform X5 [Polistes dominula];XP_015174196.1 PREDICTED: heterogeneous nuclear ribonucleoprotein R isoform X2 [Polistes dominula]	2	3	3	2	74,425	0	14973000	0	1875700
XP_015174225.1	XP_015174225.1	XP_015174225.1 PREDICTED: probable medium-chain specific acyl-CoA dehydrogenase, mitochondrial [Polistes dominula]	1	3	3	3	46,395	36979000	1934500	0	0

XP_01517457 9.1;XP_01517 4578.1	XP_015174579.1;XP_ 015174578.1	XP_015174579.1 PREDICTED: putative serine protease K12H4.7 [Polistes dominula];XP_015174578.1 PREDICTED: putative serine protease K12H4.7 [Polistes dominula]	2	3	3	3	56,184	0	9016900	0	0
XP_01517463 6.1	XP_015174636.1	XP_015174636.1 PREDICTED: lachesin [Polistes dominula]	1	3	3	3	40,528	11325000	10343000	0	0
XP_01517466 3.1;XP_01517 4662.1	XP_015174663.1;XP_ 015174662.1	XP_015174663.1 PREDICTED: insulin-degrading enzyme isoform X2 [Polistes dominula];XP_015174662.1 PREDICTED: insulin-degrading enzyme isoform X1 [Polistes dominula]	2	3	3	3	118,35	0	15507000	0	0
XP_01517467 7.1;XP_01517 4678.1;XP_01 5174676.1	XP_015174677.1;XP_ 015174678.1	XP_015174677.1 PREDICTED: ABC transporter F family member 4 isoform X2 [Polistes dominula];XP_015174678.1 PREDICTED: ABC transporter F family member 4 isoform X2 [Polistes dominula]	3	3	3	3	13,019	0	0	0	0
XP_01517473 0.1	XP_015174730.1	XP_015174730.1 PREDICTED: zinc carboxypeptidase-like [Polistes dominula]	1	3	3	3	46,497	0	95555000	9281100	7502000
XP_01517485 4.1	XP_015174854.1	XP_015174854.1 PREDICTED: protein disulfide-isomerase A6 [Polistes dominula]	1	3	3	3	47,794	6867400	0	7709100	0
XP_01517503 0.1	XP_015175030.1	XP_015175030.1 PREDICTED: acylphosphatase-1-like [Polistes dominula]	1	3	3	3	12,4	5014300	51512000	29377000	5687500
XP_01517506 7.1	XP_015175067.1	XP_015175067.1 PREDICTED: riboflavin kinase, partial [Polistes dominula]	1	3	3	3	16,261	0	57189000	0	0
XP_01517531 7.1;XP_01517 5316.1;XP_01 5175315.1;XP _015175314.1	XP_015175317.1;XP_ 015175316.1;XP_015 175315.1;XP_015175 314.1	XP_015175317.1 PREDICTED: matrix metalloproteinase-14 isoform X4 [Polistes dominula];XP_015175316.1 PREDICTED: matrix metalloproteinase-14 isoform X3 [Polistes dominula];XP_015175315.1 PREDICTED: matrix metalloproteinase-14 isoform X2 [Polistes dominula];X	4	3	3	3	59,967	10684000	0	0	0
XP_01517621 7.1	XP_015176217.1	XP_015176217.1 PREDICTED: succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial [Polistes dominula]	1	3	3	3	35,232	14721000	0	51945000	0
XP_01517667 6.1;XP_01517 6675.1	XP_015176676.1;XP_ 015176675.1	XP_015176676.1 PREDICTED: V-type proton ATPase catalytic subunit A [Polistes dominula];XP_015176675.1 PREDICTED: V-type proton ATPase catalytic subunit A [Polistes dominula]	2	3	3	3	68,342	9161700	0	0	0
XP_01517692 8.1	XP_015176928.1	XP_015176928.1 PREDICTED: V-type proton ATPase subunit E [Polistes dominula]	1	3	3	3	26,204	22092000	0	0	3290200
XP_01517745 5.1;XP_01517 7454.1;XP_01 5177453.1;XP _015177452.1	XP_015177455.1;XP_ 015177454.1;XP_015 177453.1;XP_015177 452.1	XP_015177455.1 PREDICTED: poly(rC)-binding protein 3-like isoform X3 [Polistes dominula];XP_015177454.1 PREDICTED: poly(rC)-binding protein 4-like isoform X2 [Polistes dominula];XP_015177453.1 PREDICTED: poly(rC)-binding protein 4-like isoform X1 [Polistes dominula]	4	3	3	3	48,525	0	4666300	0	0
XP_01517843 1.1;XP_01517 8430.1;XP_01 5178429.1;XP _015178428.1 ;XP_0151784 27.1	XP_015178431.1;XP_ 015178430.1;XP_015 178429.1;XP_015178 428.1;XP_015178427. 1	XP_015178431.1 PREDICTED: annexin B11-like isoform X3 [Polistes dominula];XP_015178430.1 PREDICTED: annexin B9-like isoform X2 [Polistes dominula];XP_015178429.1 PREDICTED: annexin B9-like isoform X1 [Polistes dominula];XP_015178428.1 PREDICTED: annexin B9	5	3	3	3	35,709	0	0	0	0
XP_01517847 4.1	XP_015178474.1	XP_015178474.1 PREDICTED: vanin-like protein 2 [Polistes dominula]	1	3	3	3	59,719	3299100	21862000	0	4314300

XP_01517936.4.1	XP_015179364.1	XP_015179364.1 PREDICTED: short/branched chain specific acyl-CoA dehydrogenase, mitochondrial [Polistes dominula]	1	3	3	3	45,667	6113600	9774700	0	0
XP_01517942.4.1	XP_015179424.1	XP_015179424.1 PREDICTED: proliferation-associated protein 2G4 [Polistes dominula]	1	3	3	3	43,499	0	28777000	0	0
XP_01518061.3.1	XP_015180613.1	XP_015180613.1 PREDICTED: pyridoxine-5-phosphate oxidase-like [Polistes dominula]	1	3	3	3	28,153	0	27627000	4009900	0
XP_01518070.1.1	XP_015180701.1	XP_015180701.1 PREDICTED: basigin [Polistes dominula]	1	3	3	3	39,836	17263000	12706000	6121500	4015400
XP_01518107.1.1;XP_015181070.1;XP_015181069.1	XP_015181071.1;XP_015181070.1;XP_015181069.1	XP_015181071.1 PREDICTED: cytosolic non-specific dipeptidase [Polistes dominula];XP_015181070.1 PREDICTED: cytosolic non-specific dipeptidase [Polistes dominula];XP_015181069.1 PREDICTED: cytosolic non-specific dipeptidase [Polistes dominula]	3	3	3	3	54,294	6787400	18981000	11960000	0
XP_01518141.3.1;XP_015181412.1	XP_015181413.1;XP_015181412.1	XP_015181413.1 PREDICTED: V-type proton ATPase subunit H isoform X2 [Polistes dominula];XP_015181412.1 PREDICTED: V-type proton ATPase subunit H isoform X1 [Polistes dominula]	2	3	3	3	56,338	0	0	0	0
XP_01518148.8.1	XP_015181488.1	XP_015181488.1 PREDICTED: trypsin-7-like [Polistes dominula]	1	3	3	3	38,836	0	0	0	26620000
XP_01518154.2.1;XP_015181541.1	XP_015181542.1;XP_015181541.1	XP_015181542.1 PREDICTED: uncharacterized protein LOC107069082 isoform X2 [Polistes dominula];XP_015181541.1 PREDICTED: uncharacterized protein LOC107069082 isoform X1 [Polistes dominula]	2	3	3	3	29,933	0	0	18084000	3922500
XP_01518176.6.1	XP_015181766.1	XP_015181766.1 PREDICTED: myophilin [Polistes dominula]	1	3	3	3	19,016	0	0	16955000	0
XP_01518190.0.1	XP_015181900.1	XP_015181900.1 PREDICTED: sepiapterin reductase [Polistes dominula]	1	3	3	3	28,967	18855000	3153700	0	0
XP_01518197.1.1;XP_015181970.1	XP_015181971.1;XP_015181970.1	XP_015181971.1 PREDICTED: sorbitol dehydrogenase-like isoform X2 [Polistes dominula];XP_015181970.1 PREDICTED: sorbitol dehydrogenase-like isoform X1 [Polistes dominula]	2	3	3	3	36,908	0	0	0	9437500
XP_01518239.7.1	XP_015182397.1	XP_015182397.1 PREDICTED: putative glucose-6-phosphate 1-epimerase [Polistes dominula]	1	3	3	3	31,847	0	21008000	0	0
XP_01518241.3.1;XP_015182412.1	XP_015182413.1;XP_015182412.1	XP_015182413.1 PREDICTED: probable cytochrome P450 6a14 [Polistes dominula];XP_015182412.1 PREDICTED: probable cytochrome P450 6a14 [Polistes dominula]	2	3	3	3	59,834	29948000	0	0	0
XP_01518247.3.1;XP_015182472.1	XP_015182473.1;XP_015182472.1	XP_015182473.1 PREDICTED: actin-5C [Polistes dominula];XP_015182472.1 PREDICTED: actin-5C [Polistes dominula]	2	11	3	3	41,821	144160000	27562000	0	2072600

XP_01518254 4.1;XP_01518 2551.1;XP_01 5182521.1;XP _015182530.1 ;XP_0151825 36.1;XP_0151 82515.1;XP_0 15182500.1;X P_015182494. 1;XP_015182 488.1;XP_015 182470.1;XP_ 015182461.1; XP_01518258 4.1;XP_01518 2498.1;XP_01 5182569.1;XP _015182577.1 ;XP_0151825 60.1;XP_0151 82479.1	XP_015182544.1;XP_ 015182551.1;XP_015 182521.1;XP_015182 530.1;XP_015182536. 1;XP_015182515.1;X P_015182500.1;XP_0 15182494.1;XP_0151 82488.1;XP_0151824 70.1;XP_015182461.1 ;XP_015182584.1;XP _015182498.1;XP_01 5182569.1;XP_01518 2577.1;XP_01518256 0.1;XP_015182479.1	XP_015182544.1 PREDICTED: tropomyosin isoform X13 [Polistes dominula];XP_015182551.1 PREDICTED: tropomyosin isoform X14 [Polistes dominula];XP_015182521.1 PREDICTED: tropomyosin-2 isoform X10 [Polistes dominula];XP_015182530.1 PREDICTED: tropomyosin-2 isof	17	3	3	3	32,504	2196300	0	0	0
XP_01518321 4.1	XP_015183214.1	XP_015183214.1 PREDICTED: venom acid phosphatase Acph-1-like [Polistes dominula]	1	3	3	3	46,363	0	0	0	0
XP_01518322 6.1	XP_015183226.1	XP_015183226.1 PREDICTED: 60S ribosomal protein L23 [Polistes dominula]	1	3	3	3	14,807	6334100	0	16820000	0
XP_01518381 0.1	XP_015183810.1	XP_015183810.1 PREDICTED: apolipoprotein D-like [Polistes dominula]	1	3	3	3	30,373	29797000	0	0	0
XP_01518417 8.1	XP_015184178.1	XP_015184178.1 PREDICTED: ras suppressor protein 1 [Polistes dominula]	1	3	3	3	32,089	0	0	0	0
XP_01518424 0.1	XP_015184240.1	XP_015184240.1 PREDICTED: venom serine protease-like [Polistes dominula]	1	3	3	3	44,044	46897000	0	0	2139400
XP_01518424 4.1	XP_015184244.1	XP_015184244.1 PREDICTED: trypsin 5G1-like [Polistes dominula]	1	3	3	3	26,338	45855000	0	0	3359800
XP_01518430 2.1	XP_015184302.1	XP_015184302.1 PREDICTED: calmodulin [Polistes dominula]	1	3	3	3	16,81	13538000	0	0	0
XP_01518472 3.1	XP_015184723.1	XP_015184723.1 PREDICTED: uncharacterized protein LOC107070756 [Polistes dominula]	1	3	3	3	80,349	13236000	0	0	0

XP_015185451.1;XP_015185371.1;XP_015185302.1;XP_015185217.1;XP_015185139.1;XP_015185047.1;XP_015184970.1;XP_015184896.1	XP_015185451.1;XP_015185371.1;XP_015185302.1;XP_015185217.1;XP_015185047.1;XP_015184970.1;XP_015184896.1	XP_015185451.1 PREDICTED: protein phosphatase 1 regulatory subunit 12A isoform X8 [Polistes dominula];XP_015185371.1 PREDICTED: protein phosphatase 1 regulatory subunit 12A isoform X7 [Polistes dominula];XP_015185302.1 PREDICTED: protein phosphatase 1 regu	8	3	3	3	109,08	0	4018600	0	0
XP_015185363.1;XP_015185362.1	XP_015185363.1;XP_015185362.1	XP_015185363.1 PREDICTED: FK506-binding protein 2 isoform X2 [Polistes dominula];XP_015185362.1 PREDICTED: FK506-binding protein 2 isoform X1 [Polistes dominula]	2	3	3	3	25,897	19797000	0	0	0
XP_015185889.1	XP_015185889.1	XP_015185889.1 PREDICTED: glucose-6-phosphate isomerase [Polistes dominula]	1	3	3	3	62,711	3847500	2137000	0	51414000
XP_015186002.1;XP_015185996.1	XP_015186002.1;XP_015185996.1	XP_015186002.1 PREDICTED: bifunctional glutamate/proline--tRNA ligase isoform X2 [Polistes dominula];XP_015185996.1 PREDICTED: bifunctional glutamate/proline--tRNA ligase isoform X1 [Polistes dominula]	2	3	3	3	175,99	0	82185000	0	0
XP_015186393.1	XP_015186393.1	XP_015186393.1 PREDICTED: LIM and SH3 domain protein Lasp [Polistes dominula]	1	3	3	3	35,947	12352000	3760500	0	0
XP_015186552.1;XP_015186550.1;XP_015186548.1;XP_015186547.1;XP_015186544.1	XP_015186553.1;XP_015186552.1;XP_015186550.1;XP_015186548.1;XP_015186547.1;XP_015186544.1	XP_015186553.1 PREDICTED: 14-3-3 protein zeta isoform X1 [Polistes dominula];XP_015186552.1 PREDICTED: 14-3-3 protein zeta isoform X1 [Polistes dominula];XP_015186550.1 PREDICTED: 14-3-3 protein zeta isoform X1 [Polistes dominula];XP_015186549.1 PREDICTED:	7	3	3	3	28,104	39665000	6688600	0	12162000
XP_015186612.1;XP_015186611.1	XP_015186613.1;XP_015186612.1;XP_015186611.1	XP_015186613.1 PREDICTED: glyoxylate reductase/hydroxypyruvate reductase-like isoform X2 [Polistes dominula];XP_015186612.1 PREDICTED: glyoxylate reductase/hydroxypyruvate reductase-like isoform X2 [Polistes dominula];XP_015186611.1 PREDICTED: glyoxylate r	3	3	3	3	35,557	19656000	12027000	0	5792800
XP_015186656.1;XP_015186657.1;XP_015186659.1	XP_015186656.1;XP_015186657.1;XP_015186659.1	XP_015186656.1 PREDICTED: alpha-crystallin B chain isoform X1 [Polistes dominula];XP_015186657.1 PREDICTED: heat shock protein beta-1 isoform X2 [Polistes dominula];XP_015186659.1 PREDICTED: heat shock protein beta-1 isoform X3 [Polistes dominula]	3	3	3	3	25,593	37506000	0	24707000	5537300
XP_015187286.1;XP_015187285.1;XP_015187283.1;XP_015187281.1;XP_015187280.1	XP_015187286.1;XP_015187285.1;XP_015187283.1;XP_015187281.1;XP_015187280.1	XP_015187286.1 PREDICTED: protein hu-li tai shao isoform X6 [Polistes dominula];XP_015187285.1 PREDICTED: protein hu-li tai shao isoform X5 [Polistes dominula];XP_015187283.1 PREDICTED: protein hu-li tai shao isoform X4 [Polistes dominula];XP_015187282.1 P	6	3	3	3	77,768	3582400	14225000	0	0
XP_015187330.1	XP_015187330.1	XP_015187330.1 PREDICTED: malignant T-cell-amplified sequence 1 homolog [Polistes dominula]	1	3	3	3	20,401	0	23451000	0	0

XP_01518799.9.1	XP_015187999.1	XP_015187999.1 PREDICTED: trans-1,2-dihydrobenzene-1,2-diol dehydrogenase-like [Polistes dominula]	1	3	3	3	38,199	0	53134000	0	0
XP_01518809.8.1	XP_015188098.1	XP_015188098.1 PREDICTED: dnaJ protein homolog 1 [Polistes dominula]	1	3	3	3	39,017	0	0	2919800	0
XP_01518894.3.1	XP_015188943.1	XP_015188943.1 PREDICTED: uncharacterized protein LOC107073050 [Polistes dominula]	1	3	3	3	29,162	5734800	14553000	0	4600000
XP_01518951.4.1	XP_015189514.1	XP_015189514.1 PREDICTED: neurogenic locus notch homolog protein 1 [Polistes dominula]	1	3	3	3	44,789	0	0	33447000	0
XP_01519041.5.1;XP_015190414.1;XP_015190413.1;XP_015190413.1;XP_015190412.1	XP_015190415.1;XP_015190414.1;XP_015190413.1;XP_015190412.1	XP_015190415.1 PREDICTED: dnaJ homolog subfamily A member 4 [Polistes dominula];XP_015190414.1 PREDICTED: dnaJ homolog subfamily A member 4 [Polistes dominula];XP_015190413.1 PREDICTED: dnaJ homolog subfamily A member 4 [Polistes dominula];XP_015190412.1 P	4	3	3	3	44,817	3570500	7431100	3952700	3710700
XP_01519062.7.1;XP_015190626.1	XP_015190627.1;XP_015190626.1	XP_015190627.1 PREDICTED: 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial-like isoform X2 [Polistes dominula];XP_015190626.1 PREDICTED: 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial-like isoform X1 [Polistes dominula]	2	3	3	3	45,178	4999500	39475000	0	4790700
XP_01519074.5.1;XP_015190744.1	XP_015190745.1;XP_015190744.1	XP_015190745.1 PREDICTED: uncharacterized family 31 glucosidase KIAA1161 isoform X2 [Polistes dominula];XP_015190744.1 PREDICTED: uncharacterized family 31 glucosidase KIAA1161 isoform X1 [Polistes dominula]	2	3	3	3	75,184	0	0	0	43297000
XP_01519097.2.1	XP_015190972.1	XP_015190972.1 PREDICTED: omega-conotoxin-like protein 1 [Polistes dominula]	1	3	3	3	8,7562	3289100	3322600	0	0
XP_01519118.7.1;XP_015191186.1;XP_015191185.1	XP_015191187.1;XP_015191186.1;XP_015191185.1	XP_015191187.1 PREDICTED: NECAP-like protein CG9132 [Polistes dominula];XP_015191186.1 PREDICTED: NECAP-like protein CG9132 [Polistes dominula];XP_015191185.1 PREDICTED: NECAP-like protein CG9132 [Polistes dominula]	3	3	3	3	27,079	0	0	0	0
XP_01517146.5.1;XP_015171464.1	XP_015171465.1;XP_015171464.1	XP_015171465.1 PREDICTED: delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial [Polistes dominula];XP_015171464.1 PREDICTED: delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial [Polistes dominula]	2	4	4	4	31,088	9266800	82838000	12478000	6561200
XP_01517184.2.1;XP_015171841.1	XP_015171842.1;XP_015171841.1	XP_015171842.1 PREDICTED: leucine-rich repeat-containing protein 15-like isoform X2 [Polistes dominula];XP_015171841.1 PREDICTED: leucine-rich repeat-containing protein 15-like isoform X1 [Polistes dominula]	2	4	4	4	75,879	0	6154000	8671600	8084800
XP_01517196.1.1	XP_015171961.1	XP_015171961.1 PREDICTED: phosphoglycolate phosphatase-like [Polistes dominula]	1	4	4	4	34,436	0	55591000	6671400	0
XP_01517271.9.1;XP_015172718.1;XP_015172717.1;XP_015172716.1;XP_015172714.1	XP_015172719.1;XP_015172718.1;XP_015172717.1;XP_015172716.1;XP_015172714.1	XP_015172719.1 PREDICTED: oxysterol-binding protein 1 isoform X3 [Polistes dominula];XP_015172718.1 PREDICTED: oxysterol-binding protein 1 isoform X2 [Polistes dominula];XP_015172717.1 PREDICTED: oxysterol-binding protein 1 isoform X1 [Polistes dominula];X	5	4	4	4	84,509	0	0	0	0

XP_01517291 2.1;XP_01517 2903.1;XP_01 5172893.1;XP _015172883.1	XP_015172912.1;XP_ 015172903.1;XP_015 172893.1;XP_015172 883.1	XP_015172912.1 PREDICTED: glutathione S-transferase 1-like [Polistes dominula];XP_015172903.1 PREDICTED: glutathione S-transferase 1-like [Polistes dominula];XP_015172893.1 PREDICTED: glutathione S-transferase 1-like [Polistes dominula];XP_015172883.1 PRED	4	4	4	4	24,828	96333000	55809000	0	32735000
XP_01517359 3.1	XP_015173593.1	XP_015173593.1 PREDICTED: myophilin [Polistes dominula]	1	4	4	4	20,791	7805500	8370600	0	0
XP_01517404 3.1;XP_01517 4041.1;XP_01 5174040.1	XP_015174043.1;XP_ 015174041.1;XP_015 174040.1	XP_015174043.1 PREDICTED: protein yellow-like isoform X2 [Polistes dominula];XP_015174041.1 PREDICTED: protein yellow-like isoform X2 [Polistes dominula];XP_015174040.1 PREDICTED: protein yellow-like isoform X1 [Polistes dominula]	3	4	4	4	49,107	14098000	13711000	0	0
XP_01517462 0.1;XP_01517 4619.1;XP_01 5174618.1;XP _015174617.1	XP_015174620.1;XP_ 015174619.1;XP_015 174618.1;XP_015174 617.1	XP_015174620.1 PREDICTED: cAMP-dependent protein kinase type I regulatory subunit isoform X3 [Polistes dominula];XP_015174619.1 PREDICTED: cAMP-dependent protein kinase type I regulatory subunit isoform X2 [Polistes dominula];XP_015174618.1 PREDICTED: cAMP	4	4	4	4	33,304	0	21488000	0	0
XP_01517556 6.1	XP_015175566.1	XP_015175566.1 PREDICTED: probable trans-2-enoyl-CoA reductase, mitochondrial [Polistes dominula]	1	4	4	4	40,821	13748000	0	0	0
XP_01517569 5.1	XP_015175695.1	XP_015175695.1 PREDICTED: spermine oxidase-like [Polistes dominula]	1	4	4	4	56,492	0	52831000	9162400	4129800
XP_01517576 2.1	XP_015175762.1	XP_015175762.1 PREDICTED: cytoplasmic aconitate hydratase-like [Polistes dominula]	1	4	4	4	98,732	0	7772600	0	3053000
XP_01517650 5.1;XP_01517 6504.1;XP_01 5176503.1;XP _015176501.1 ;XP_0151765 00.1	XP_015176505.1;XP_ 015176504.1;XP_015 176503.1;XP_015176 501.1;XP_015176500. 1	XP_015176505.1 PREDICTED: apoptosis-inducing factor 3 isoform X3 [Polistes dominula];XP_015176504.1 PREDICTED: apoptosis-inducing factor 3 isoform X2 [Polistes dominula];XP_015176503.1 PREDICTED: apoptosis-inducing factor 3 isoform X2 [Polistes dominula];X	5	4	4	4	64,251	0	0	0	0
XP_01517657 6.1;XP_01517 6575.1;XP_01 5176574.1	XP_015176576.1;XP_ 015176575.1;XP_015 176574.1	XP_015176576.1 PREDICTED: 40S ribosomal protein S14 [Polistes dominula];XP_015176575.1 PREDICTED: 40S ribosomal protein S14 [Polistes dominula];XP_015176574.1 PREDICTED: 40S ribosomal protein S14 [Polistes dominula]	3	4	4	4	16,205	12273000	45963000	17300000	0

XP_01517704 5.1;XP_01517 7047.1;XP_01 5177028.1;XP _015177029.1 ;XP_0151770 32.1;XP_0151 77033.1;XP_0 15177034.1;X P_015177035. 1;XP_015177 036.1;XP_015 177037.1;XP_ 015177038.1; XP_01517703 9.1;XP_01517 7040.1;XP_01 5177041.1;XP _015177043.1 ;XP_0151770 44.1;XP_0151 77046.1;XP_0 15177027.1;X P_015177030. 1	XP_015177045.1;XP_ 015177047.1;XP_015 177028.1;XP_015177 029.1;XP_015177032. 1;XP_015177033.1;X P_015177034.1;XP_0 15177035.1;XP_0151 77036.1;XP_0151770 37.1;XP_015177038.1 ;XP_015177039.1;XP _015177040.1;XP_01 5177041.1;XP_01517 7043.1;XP_01517704 4.1;XP_015177046.1; XP_015177027.1;XP_ 015177030.1	XP_015177045.1 PREDICTED: dystonin isoform X17 [Polistes dominula];XP_015177047.1 PREDICTED: dystonin isoform X19 [Polistes dominula];XP_015177028.1 PREDICTED: microtubule-actin cross-linking factor 1 isoform X2 [Polistes dominula];XP_015177029.1 PREDICTED	19	4	4	4	598,8	0	0	0	0
XP_01517752 3.1	XP_015177523.1	XP_015177523.1 PREDICTED: late histone H1-like [Polistes dominula]	1	4	4	4	25,418	37400000	99607000	38035000	3108900
XP_01517794 4.1	XP_015177944.1	XP_015177944.1 PREDICTED: arylphorin subunit beta-like [Polistes dominula]	1	4	4	4	79,11	0	16043000	0	0
XP_01517827 8.1	XP_015178278.1	XP_015178278.1 PREDICTED: hydroxysteroid dehydrogenase-like protein 2 [Polistes dominula]	1	4	4	4	45,397	12188000	37369000	0	0
XP_01517881 6.1	XP_015178816.1	XP_015178816.1 PREDICTED: phosphatidylinositol transfer protein alpha isoform [Polistes dominula]	1	4	4	4	31,515	0	0	0	0
XP_01517890 8.1	XP_015178908.1	XP_015178908.1 PREDICTED: staphylococcal nuclease domain-containing protein 1 [Polistes dominula]	1	4	4	4	100,76	0	39100000	4180900	0
XP_01517903 2.1;XP_01517 9034.1;XP_01 5179033.1	XP_015179032.1;XP_ 015179034.1;XP_015 179033.1	XP_015179032.1 PREDICTED: pleckstrin homology domain-containing family F member 2 isoform X1 [Polistes dominula];XP_015179034.1 PREDICTED: pleckstrin homology domain-containing family F member 2 isoform X3 [Polistes dominula];XP_015179033.1 PREDICTED: plec	3	4	4	4	29,576	0	7913200	0	0
XP_01517936 0.1;XP_01517 9362.1;XP_01 5179361.1;XP _015184119.1	XP_015179360.1	XP_015179360.1 PREDICTED: tubulin alpha-1 chain [Polistes dominula]	4	4	4	4	49,964	16411000	0	0	0
XP_01517936 3.1	XP_015179363.1	XP_015179363.1 PREDICTED: adenosylhomocysteinase [Polistes dominula]	1	4	4	4	48,027	0	18899000	0	0

XP_01517945 0.1;XP_01517 9449.1	XP_015179450.1;XP_ 015179449.1	XP_015179450.1 PREDICTED: 4-hydroxybutyrate coenzyme A transferase-like [Polistes dominula];XP_015179449.1 PREDICTED: 4-hydroxybutyrate coenzyme A transferase-like [Polistes dominula]	2	4	4	4	52,698	0	245590000	0	0
XP_01517947 4.1	XP_015179474.1	XP_015179474.1 PREDICTED: TPPP family protein CG45057-like [Polistes dominula]	1	4	4	4	23,334	0	206170000	0	0
XP_01517999 1.1	XP_015179991.1	XP_015179991.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 10-like [Polistes dominula]	1	4	4	4	25,026	0	54689000	5225400	0
XP_01518107 7.1;XP_01518 1078.1;XP_01 5188702.1	XP_015181077.1;XP_ 015181078.1	XP_015181077.1 PREDICTED: ADP-ribosylation factor 1 [Polistes dominula];XP_015181078.1 PREDICTED: ADP-ribosylation factor 1 [Polistes dominula]	3	4	4	4	20,707	15761000	31930000	7516800	0
XP_01518109 7.1	XP_015181097.1	XP_015181097.1 PREDICTED: pyridoxine/pyridoxamine 5-phosphate oxidase [Polistes dominula]	1	4	4	4	26,068	0	23605000	0	0
XP_01518315 8.1;XP_01518 3157.1;XP_01 5183156.1	XP_015183158.1;XP_ 015183157.1;XP_015 183156.1	XP_015183158.1 PREDICTED: alanine aminotransferase 1 [Polistes dominula];XP_015183157.1 PREDICTED: alanine aminotransferase 1 [Polistes dominula];XP_015183156.1 PREDICTED: alanine aminotransferase 1 [Polistes dominula]	3	4	4	4	60,515	10883000	0	10170000	19787000
XP_01518365 0.1;XP_01518 3649.1;XP_01 5183648.1;XP _015183647.1 ;XP_0151836 46.1;XP_0151 83645.1	XP_015183650.1;XP_ 015183649.1;XP_015 183648.1;XP_015183 647.1;XP_015183646. 1;XP_015183645.1	XP_015183650.1 PREDICTED: cystathionine gamma-lyase [Polistes dominula];XP_015183649.1 PREDICTED: cystathionine gamma-lyase [Polistes dominula];XP_015183648.1 PREDICTED: cystathionine gamma-lyase [Polistes dominula];XP_015183647.1 PREDICTED: cystathionine	6	4	4	4	42,593	0	39854000	0	2668400
XP_01518381 5.1;XP_01518 3814.1;XP_01 5183813.1;XP _015183811.1	XP_015183815.1;XP_ 015183814.1;XP_015 183813.1;XP_015183 811.1	XP_015183815.1 PREDICTED: acidic phospholipase A2 PA4-like isoform X2 [Polistes dominula];XP_015183814.1 PREDICTED: acidic phospholipase A2 PA4-like isoform X1 [Polistes dominula];XP_015183813.1 PREDICTED: acidic phospholipase A2 PA4-like isoform X1 [Polis	4	4	4	4	25,276	1332900000	0	15118000	22399000
XP_01518398 3.1;XP_01518 3981.1	XP_015183983.1;XP_ 015183981.1	XP_015183983.1 PREDICTED: probable cytochrome P450 6a13 [Polistes dominula];XP_015183981.1 PREDICTED: cytochrome P450 6a2-like [Polistes dominula]	2	4	4	4	58,273	21389000	0	0	0
XP_01518399 2.1	XP_015183992.1	XP_015183992.1 PREDICTED: DNA ligase 1-like [Polistes dominula]	1	4	4	4	76,094	0	21695000	3688200	12484000
XP_01518490 7.1	XP_015184907.1	XP_015184907.1 PREDICTED: ATPase inhibitor mat-2, mitochondrial-like [Polistes dominula]	1	4	4	4	11,707	18368000	188330000	0	20164000
XP_01518614 4.1;XP_01518 6143.1	XP_015186144.1;XP_ 015186143.1	XP_015186144.1 PREDICTED: carnitine O-acetyltransferase-like isoform X2 [Polistes dominula];XP_015186143.1 PREDICTED: carnitine O-acetyltransferase-like isoform X1 [Polistes dominula]	2	4	4	4	70,658	0	5549400	0	0
XP_01518627 5.1;XP_01518 6266.1	XP_015186275.1;XP_ 015186266.1	XP_015186275.1 PREDICTED: alpha-endosulfine [Polistes dominula];XP_015186266.1 PREDICTED: alpha-endosulfine [Polistes dominula]	2	4	4	4	11,791	0	32328000	0	0
XP_01518637 7.1;XP_01518 6378.1	XP_015186377.1;XP_ 015186378.1	XP_015186377.1 PREDICTED: putative uncharacterized protein DDB_G0282129 isoform X1 [Polistes dominula];XP_015186378.1 PREDICTED: putative uncharacterized protein DDB_G0282129 isoform X2 [Polistes dominula]	2	4	4	4	51,923	4789100	0	0	0

XP_01518647 9.1;XP_01518 6478.1	XP_015186479.1;XP_ 015186478.1	XP_015186479.1 PREDICTED: xaa-Pro dipeptidase isoform X2 [Polistes dominula];XP_015186478.1 PREDICTED: xaa-Pro dipeptidase isoform X1 [Polistes dominula]	2	4	4	4	54,906	0	0	10400000	0
XP_01518721 8.1;XP_01518 7217.1;XP_01 5187215.1;XP _015187214.1	XP_015187218.1;XP_ 015187217.1;XP_015 187215.1;XP_015187 214.1	XP_015187218.1 PREDICTED: kynurenine--oxoglutarate transaminase 3 isoform X3 [Polistes dominula];XP_015187217.1 PREDICTED: kynurenine--oxoglutarate transaminase 3 isoform X3 [Polistes dominula];XP_015187215.1 PREDICTED: kynurenine--oxoglutarate transaminase	4	4	4	4	51,131	0	49358000	0	0
XP_01518811 4.1;XP_01518 8113.1	XP_015188114.1;XP_ 015188113.1	XP_015188114.1 PREDICTED: uncharacterized protein LOC107072577 isoform X2 [Polistes dominula];XP_015188113.1 PREDICTED: uncharacterized protein LOC107072577 isoform X1 [Polistes dominula]	2	4	4	4	36,537	165710000	0	31124000	25773000
XP_01518860 8.1;XP_01518 8607.1;XP_01 5188605.1	XP_015188608.1;XP_ 015188607.1;XP_015 188605.1	XP_015188608.1 PREDICTED: pyrroline-5-carboxylate reductase [Polistes dominula];XP_015188607.1 PREDICTED: pyrroline-5-carboxylate reductase [Polistes dominula];XP_015188605.1 PREDICTED: pyrroline-5-carboxylate reductase [Polistes dominula]	3	4	4	4	34,524	54549000	0	0	0
XP_01518885 4.1	XP_015188854.1	XP_015188854.1 PREDICTED: peroxiredoxin-like [Polistes dominula]	1	5	4	4	26,588	7711500	0	41091000	25534000
XP_01518999 7.1;XP_01518 9996.1	XP_015189997.1;XP_ 015189996.1	XP_015189997.1 PREDICTED: farnesyl pyrophosphate synthase isoform X2 [Polistes dominula];XP_015189996.1 PREDICTED: farnesyl pyrophosphate synthase isoform X1 [Polistes dominula]	2	4	4	4	46,528	4646400	9975500	5265500	2721200
XP_01519050 7.1;XP_01519 0499.1	XP_015190507.1;XP_ 015190499.1	XP_015190507.1 PREDICTED: uncharacterized protein DDB_G0285917-like [Polistes dominula];XP_015190499.1 PREDICTED: uncharacterized protein DDB_G0285917-like [Polistes dominula]	2	4	4	4	26,92	0	0	0	0
XP_01519050 6.1	XP_015190506.1	XP_015190506.1 PREDICTED: protein lethal(2)essential for life-like [Polistes dominula]	1	4	4	4	20,408	60823000	0	0	0
XP_01519067 6.1	XP_015190676.1	XP_015190676.1 PREDICTED: beta-hexosaminidase subunit beta-like [Polistes dominula]	1	4	4	4	62,941	0	7616000	0	0
XP_01519085 1.1;XP_01519 0850.1;XP_01 5190849.1	XP_015190851.1;XP_ 015190850.1;XP_015 190849.1	XP_015190851.1 PREDICTED: phospholipase D3-like isoform X2 [Polistes dominula];XP_015190850.1 PREDICTED: phospholipase D3-like isoform X1 [Polistes dominula];XP_015190849.1 PREDICTED: phospholipase D3-like isoform X1 [Polistes dominula]	3	4	4	4	68,374	0	4103000	0	0
XP_01519087 5.1	XP_015190875.1	XP_015190875.1 PREDICTED: lysosomal Pro-X carboxypeptidase [Polistes dominula]	1	4	4	4	57,11	49236000	0	0	0
XP_01517143 8.1;XP_01517 1430.1;XP_01 5171422.1	XP_015171438.1;XP_ 015171430.1;XP_015 171422.1	XP_015171438.1 PREDICTED: protein-glutamate O-methyltransferase-like isoform X3 [Polistes dominula];XP_015171430.1 PREDICTED: protein-glutamate O-methyltransferase-like isoform X2 [Polistes dominula];XP_015171422.1 PREDICTED: protein-glutamate O-methyltran	3	5	5	5	50,726	0	41937000	0	0
XP_01517153 6.1	XP_015171536.1	XP_015171536.1 PREDICTED: cAMP-dependent protein kinase catalytic subunit [Polistes dominula]	1	5	5	5	40,783	0	13369000	0	0
XP_01517155 2.1	XP_015171552.1	XP_015171552.1 PREDICTED: ubiquitin-conjugating enzyme E2 L3 [Polistes dominula]	1	5	5	5	18,131	11291000	105090000	6216300	20221000
XP_01517174 0.1	XP_015171740.1	XP_015171740.1 PREDICTED: probable methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial [Polistes dominula]	1	5	5	5	56,389	41571000	0	0	0
XP_01517217 1.1	XP_015172171.1	XP_015172171.1 PREDICTED: phosphoglycerate kinase [Polistes dominula]	1	5	5	5	44,737	8717300	0	0	19521000
XP_01517250 5.1	XP_015172505.1	XP_015172505.1 PREDICTED: ester hydrolase C11orf54 homolog [Polistes dominula]	1	5	5	5	35,472	8483600	150070000	48839000	14845000

XP_01517262.2.1	XP_015172622.1	XP_015172622.1 PREDICTED: 3-hydroxyacyl-CoA dehydrogenase type-2-like [Polistes dominula]	1	7	5	5	27,095	43105000	130710000	44170000	43229000
XP_01517376.7.1;XP_015173766.1;XP_015173765.1	XP_015173767.1;XP_015173766.1;XP_015173765.1	XP_015173767.1 PREDICTED: membrane metallo-endopeptidase-like 1 isoform X3 [Polistes dominula];XP_015173766.1 PREDICTED: neprilysin isoform X2 [Polistes dominula];XP_015173765.1 PREDICTED: neprilysin isoform X1 [Polistes dominula]	3	5	5	5	86,49	45275000	0	20402000	0
XP_01517394.6.1;XP_015173945.1;XP_015173944.1;XP_015173943.1	XP_015173946.1;XP_015173945.1;XP_015173944.1;XP_015173943.1	XP_015173946.1 PREDICTED: calcium-transporting ATPase sarcoplasmic/endoplasmic reticulum type isoform X2 [Polistes dominula];XP_015173945.1 PREDICTED: calcium-transporting ATPase sarcoplasmic/endoplasmic reticulum type isoform X1 [Polistes dominula];XP_015	4	5	5	5	109,93	2756200	0	0	151220000
XP_01517410.4.1	XP_015174104.1	XP_015174104.1 PREDICTED: eukaryotic translation initiation factor 2 subunit 3, Y-linked [Polistes dominula]	1	5	5	5	51,347	0	0	0	0
XP_01517545.2.1	XP_015175452.1	XP_015175452.1 PREDICTED: ubiquitin-like modifier-activating enzyme 1 [Polistes dominula]	1	5	5	5	117,32	0	0	0	0
XP_01517583.9.1;XP_015175838.1	XP_015175839.1;XP_015175838.1	XP_015175839.1 PREDICTED: BAG domain-containing protein Samui isoform X2 [Polistes dominula];XP_015175838.1 PREDICTED: BAG domain-containing protein Samui isoform X1 [Polistes dominula]	2	5	5	5	79,098	0	98502000	11092000	4940200
XP_01517624.6.1	XP_015176246.1	XP_015176246.1 PREDICTED: transmembrane protease serine 9-like [Polistes dominula]	1	5	5	5	88,322	0	111410000	27037000	123690000
XP_01517633.4.1	XP_015176334.1	XP_015176334.1 PREDICTED: LOW QUALITY PROTEIN: protein Red-like [Polistes dominula]	1	5	5	5	100,96	1606400	56913000	0	6110000
XP_01517680.8.1	XP_015176808.1	XP_015176808.1 PREDICTED: bleomycin hydrolase [Polistes dominula]	1	5	5	5	52,087	0	0	0	10929000
XP_01517681.5.1	XP_015176815.1	XP_015176815.1 PREDICTED: lambda-crystallin homolog [Polistes dominula]	1	5	5	5	35,361	2743000	0	0	19621000
XP_01517683.0.1;XP_015176829.1	XP_015176830.1;XP_015176829.1	XP_015176830.1 PREDICTED: fumarate hydratase, mitochondrial-like isoform X2 [Polistes dominula];XP_015176829.1 PREDICTED: fumarate hydratase, mitochondrial-like isoform X1 [Polistes dominula]	2	5	5	5	51,303	4760200	0	0	50277000
XP_01517692.1.1;XP_015176920.1;XP_015176919.1	XP_015176921.1;XP_015176920.1;XP_015176919.1	XP_015176921.1 PREDICTED: fructose-1,6-bisphosphatase 1 [Polistes dominula];XP_015176920.1 PREDICTED: fructose-1,6-bisphosphatase 1 [Polistes dominula];XP_015176919.1 PREDICTED: fructose-1,6-bisphosphatase 1 [Polistes dominula]	3	5	5	5	37,122	0	11730000	7093700	0
XP_01517749.8.1;XP_015177497.1;XP_015177496.1;XP_015177495.1	XP_015177498.1;XP_015177497.1;XP_015177496.1;XP_015177495.1	XP_015177498.1 PREDICTED: xaa-Pro aminopeptidase 1-like isoform X2 [Polistes dominula];XP_015177497.1 PREDICTED: xaa-Pro aminopeptidase 1-like isoform X2 [Polistes dominula];XP_015177496.1 PREDICTED: xaa-Pro aminopeptidase 1-like isoform X2 [Polistes dominula];XP_015177495.1 PREDICTED: xaa-Pro aminopeptidase 1-like isoform X2 [Polistes dominula]	4	5	5	5	70,221	0	55300000	0	0
XP_01517921.9.1	XP_015179219.1	XP_015179219.1 PREDICTED: phosphoacetylglucosamine mutase [Polistes dominula]	1	5	5	5	60,477	0	3122700	0	0
XP_01518022.1.1;XP_015180220.1;XP_015180221.1;XP_015180222.1	XP_015180221.1;XP_015180220.1;XP_015180221.1;XP_015180222.1	XP_015180221.1 PREDICTED: probable serine/threonine-protein kinase clkA isoform X1 [Polistes dominula];XP_015180220.1 PREDICTED: probable serine/threonine-protein kinase clkA isoform X1 [Polistes dominula];XP_015180221.1 PREDICTED: probable serine/threonine-protein kinase clkA isoform X1 [Polistes dominula];XP_015180222.1 PREDICTED: probable serine/threonine-protein kinase clkA isoform X1 [Polistes dominula]	4	5	5	5	32,4	26176000	30528000	3463200	4697800
XP_01518024.0.1	XP_015180240.1	XP_015180240.1 PREDICTED: succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial [Polistes dominula]	1	5	5	5	58,542	0	23267000	0	0

XP_01518029 7.1;XP_01518 0296.1	XP_015180297.1;XP_ 015180296.1	XP_015180297.1 PREDICTED: UPF0553 protein C9orf64 homolog isoform X2 [Polistes dominula];XP_015180296.1 PREDICTED: UPF0553 protein C9orf64 homolog isoform X1 [Polistes dominula]	2	5	5	5	36,939	0	16346000	0	4855100
XP_01518072 9.1	XP_015180729.1	XP_015180729.1 PREDICTED: ejaculatory bulb-specific protein 3 [Polistes dominula]	1	5	5	5	14,158	26915000	153680000	22652000	0
XP_01518077 9.1	XP_015180779.1	XP_015180779.1 PREDICTED: enolase [Polistes dominula]	1	5	5	5	46,982	29093000	67668000	0	190000000
XP_01518125 0.1;XP_01518 1249.1;XP_01 5181248.1	XP_015181250.1;XP_ 015181249.1;XP_015 181248.1	XP_015181250.1 PREDICTED: protein D2-like isoform X2 [Polistes dominula];XP_015181249.1 PREDICTED: protein D2-like isoform X2 [Polistes dominula];XP_015181248.1 PREDICTED: protein D2-like isoform X1 [Polistes dominula]	3	5	5	5	20,796	23208000	18492000	0	0
XP_01518129 4.1	XP_015181294.1	XP_015181294.1 PREDICTED: farnesol dehydrogenase-like [Polistes dominula]	1	5	5	4	27,878	259130000	0	0	2230100
XP_01518280 8.1	XP_015182808.1	XP_015182808.1 PREDICTED: protein SGT1 homolog [Polistes dominula]	1	5	5	5	24,431	0	26793000	0	0
XP_01518286 5.1	XP_015182865.1	XP_015182865.1 PREDICTED: thioredoxin-2 [Polistes dominula]	1	5	5	5	12,084	169240000	146170000	196000000	174530000
XP_01518299 7.1;XP_01518 2996.1	XP_015182997.1;XP_ 015182996.1	XP_015182997.1 PREDICTED: lactoylglutathione lyase [Polistes dominula];XP_015182996.1 PREDICTED: lactoylglutathione lyase [Polistes dominula]	2	5	5	5	20,973	0	60860000	0	10503000
XP_01518329 1.1;XP_01518 3290.1;XP_01 5183295.1;XP _015183294.1 ;XP_0151832 92.1;XP_0151 83296.1;XP_0 15183293.1	XP_015183291.1;XP_ 015183290.1;XP_015 183295.1;XP_015183 294.1;XP_015183292. 1;XP_015183296.1;X P_015183293.1	XP_015183291.1 PREDICTED: twitchin isoform X2 [Polistes dominula];XP_015183290.1 PREDICTED: twitchin isoform X1 [Polistes dominula];XP_015183295.1 PREDICTED: twitchin isoform X6 [Polistes dominula];XP_015183294.1 PREDICTED: twitchin isoform X5 [Polistes do	7	25	5	5	872,58	0	28842000	19581000	0
XP_01518331 5.1	XP_015183315.1	XP_015183315.1 PREDICTED: uncharacterized protein LOC107070028 [Polistes dominula]	1	5	5	3	118,77	0	0	0	37101000
XP_01518369 4.1;XP_01518 3693.1;XP_01 5183692.1;XP _015183691.1 ;XP_0151836 89.1;XP_0151 83688.1;XP_0 15183687.1	XP_015183694.1;XP_ 015183693.1;XP_015 183692.1;XP_015183 691.1;XP_015183689. 1;XP_015183688.1;X P_015183687.1	XP_015183694.1 PREDICTED: spectrin beta chain isoform X5 [Polistes dominula];XP_015183693.1 PREDICTED: spectrin beta chain isoform X4 [Polistes dominula];XP_015183692.1 PREDICTED: spectrin beta chain isoform X3 [Polistes dominula];XP_015183691.1 PREDICTED:	7	5	5	5	266,11	29203000	5943000	0	6698000
XP_01518424 5.1	XP_015184245.1	XP_015184245.1 PREDICTED: acyl-CoA synthetase family member 2, mitochondrial [Polistes dominula]	1	5	5	5	67,886	63711000	0	0	0

XP_01518685.1;XP_015186856.1;XP_015186855.1;XP_015186854.1;XP_015186853.1	XP_015186858.1;XP_015186856.1;XP_015186855.1;XP_015186854.1;XP_015186853.1	XP_015186858.1 PREDICTED: annexin B9-like isoform X1 [Polistes dominula];XP_015186856.1 PREDICTED: annexin B9-like isoform X1 [Polistes dominula];XP_015186855.1 PREDICTED: annexin B9-like isoform X3 [Polistes dominula];XP_015186854.1 PREDICTED: annexin B9-	5	5	5	5	35,687	46905000	0	0	0
XP_01518724.9.1	XP_015187249.1	XP_015187249.1 PREDICTED: venom serine carboxypeptidase [Polistes dominula]	1	5	5	5	53,443	23592000	10662000	23722000	0
XP_01518760.3.1	XP_015187603.1	XP_015187603.1 PREDICTED: uncharacterized protein LOC107072304 [Polistes dominula]	1	5	5	5	103,15	0	55843000	0	0
XP_01518773.3.1	XP_015187733.1	XP_015187733.1 PREDICTED: carbonyl reductase [NADPH] 1-like [Polistes dominula]	1	5	5	5	30,552	22627000	0	0	43968000
XP_01518795.9.1	XP_015187959.1	XP_015187959.1 PREDICTED: dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial [Polistes dominula]	1	5	5	5	52,973	0	0	45234000	4212000
XP_01517179.3.1	XP_015171793.1	XP_015171793.1 PREDICTED: dehydrogenase/reductase SDR family member 11-like [Polistes dominula]	1	6	6	6	28,411	110010000	2285100	0	31056000
XP_01517309.2.1	XP_015173092.1	XP_015173092.1 PREDICTED: protein lethal(2)essential for life-like [Polistes dominula]	1	6	6	6	23,025	174320000	63369000	61669000	17503000
XP_01517322.1.1	XP_015173221.1	XP_015173221.1 PREDICTED: maltase 1-like [Polistes dominula]	1	6	6	5	65,465	0	13518000	0	134720000
XP_01517343.4.1;XP_015173433.1;XP_015173431.1;XP_015173430.1	XP_015173434.1;XP_015173433.1;XP_015173431.1;XP_015173430.1	XP_015173434.1 PREDICTED: amphiphysin isoform X4 [Polistes dominula];XP_015173433.1 PREDICTED: myc box-dependent-interacting protein 1 isoform X3 [Polistes dominula];XP_015173431.1 PREDICTED: amphiphysin isoform X2 [Polistes dominula];XP_015173430.1 PREDIC	4	6	6	6	40,284	0	144810000	0	5503900
XP_01517438.0.1	XP_015174380.1	XP_015174380.1 PREDICTED: multifunctional protein ADE2 [Polistes dominula]	1	6	6	6	47,445	0	8677900	0	0
XP_01517495.6.1	XP_015174956.1	XP_015174956.1 PREDICTED: 10 kDa heat shock protein, mitochondrial [Polistes dominula]	1	6	6	6	11,56	353500000	2895400	34303000	0
XP_01517545.9.1	XP_015175459.1	XP_015175459.1 PREDICTED: superoxide dismutase [Cu-Zn] [Polistes dominula]	1	6	6	6	15,87	105300000	8636200	15966000	34609000
XP_01517550.0.1	XP_015175500.1	XP_015175500.1 PREDICTED: chymotrypsin-2-like [Polistes dominula]	1	6	6	6	27,119	0	42271000	0	25628000
XP_01517742.8.1;XP_015177419.1;XP_015177411.1;XP_015177404.1;XP_015177397.1	XP_015177428.1;XP_015177419.1;XP_015177411.1;XP_015177404.1;XP_015177397.1	XP_015177428.1 PREDICTED: adenylate kinase isoenzyme 1 [Polistes dominula];XP_015177419.1 PREDICTED: adenylate kinase isoenzyme 1 [Polistes dominula];XP_015177411.1 PREDICTED: adenylate kinase isoenzyme 1 [Polistes dominula];XP_015177404.1 PREDICTED: adeny	5	6	6	6	21,027	0	51760000	81669000	0
XP_01517754.5.1;XP_015177544.1	XP_015177545.1;XP_015177544.1	XP_015177545.1 PREDICTED: leukotriene A-4 hydrolase [Polistes dominula];XP_015177544.1 PREDICTED: leukotriene A-4 hydrolase [Polistes dominula]	2	6	6	6	70,308	0	86513000	7728100	10078000
XP_01517819.3.1	XP_015178193.1	XP_015178193.1 PREDICTED: lysosomal alpha-mannosidase [Polistes dominula]	1	6	6	6	194,5	0	6207800	0	0

XP_01517872 0.1	XP_015178720.1	XP_015178720.1 PREDICTED: 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial-like [Polistes dominula]	1	6	6	6	47,201	51900000	5793600	0	0
XP_01517992 6.1	XP_015179926.1	XP_015179926.1 PREDICTED: elongation factor 1-gamma [Polistes dominula]	1	6	6	6	49,14	11969000	26022000	20424000	5496000
XP_01518108 5.1;XP_01518 1084.1	XP_015181085.1;XP_015181084.1	XP_015181085.1 PREDICTED: hydroxymethylglutaryl-CoA synthase 1 [Polistes dominula];XP_015181084.1 PREDICTED: hydroxymethylglutaryl-CoA synthase 1 [Polistes dominula]	2	6	6	6	51,505	64770000	0	0	0
XP_01518120 0.1	XP_015181200.1	XP_015181200.1 PREDICTED: adenylate kinase [Polistes dominula]	1	6	6	6	27,929	47333000	36940000	12327000	4938900
XP_01518254 2.1	XP_015182542.1	XP_015182542.1 PREDICTED: uncharacterized protein LOC107069607 [Polistes dominula]	1	6	6	6	58,853	0	88854000	20698000	0
XP_01518365 9.1;XP_01518 3658.1	XP_015183659.1;XP_015183658.1	XP_015183659.1 PREDICTED: 6-phosphogluconate dehydrogenase, decarboxylating isoform X2 [Polistes dominula];XP_015183658.1 PREDICTED: 6-phosphogluconate dehydrogenase, decarboxylating isoform X1 [Polistes dominula]	2	6	6	6	53,389	63744000	0	0	4174200
XP_01518454 9.1	XP_015184549.1	XP_015184549.1 PREDICTED: peptidyl-prolyl cis-trans isomerase-like [Polistes dominula]	1	6	6	6	23,076	0	0	0	9631100
XP_01518485 0.1	XP_015184850.1	XP_015184850.1 PREDICTED: selenium-binding protein 1 [Polistes dominula]	1	6	6	6	47,25	97554000	0	0	4596500
XP_01518696 0.1;XP_01518 9987.1;XP_01 5189952.1	XP_015186960.1	XP_015186960.1 PREDICTED: endochitinase EP3-like [Polistes dominula]	3	6	6	6	21,112	0	486750000	122140000	44652000
XP_01518714 7.1;XP_01518 7146.1	XP_015187147.1;XP_015187146.1	XP_015187147.1 PREDICTED: endoplasmic reticulum resident protein 29 [Polistes dominula];XP_015187146.1 PREDICTED: endoplasmic reticulum resident protein 29 [Polistes dominula]	2	6	6	6	28,055	0	3332400	6183700	0
XP_01518774 0.1	XP_015187740.1	XP_015187740.1 PREDICTED: juvenile hormone epoxide hydrolase 1-like, partial [Polistes dominula]	1	6	6	6	54,223	85658000	0	0	0
XP_01518886 6.1;XP_01518 8867.1	XP_015188866.1;XP_015188867.1	XP_015188866.1 PREDICTED: rho GDP-dissociation inhibitor 2 isoform X1 [Polistes dominula];XP_015188867.1 PREDICTED: dynein assembly factor 5, axonemal isoform X2 [Polistes dominula]	2	6	6	6	24,298	0	317740000	0	0
XP_01519018 3.1	XP_015190183.1	XP_015190183.1 PREDICTED: peptidyl-prolyl cis-trans isomerase 5 [Polistes dominula]	1	6	6	6	27,415	149280000	613620000	0	54851000

XP_01519029 0.1;XP_01519 0292.1;XP_01 5190281.1;XP _015190274.1 ;XP_0151902 75.1;XP_0151 90276.1;XP_0 15190277.1;X P_015190278. 1;XP_015190 279.1;XP_015 190280.1;XP_ 015190282.1; XP_01519029 1.1;XP_01519 0283.1;XP_01 5190284.1;XP _015190286.1 ;XP_0151902 87.1;XP_0151 90288.1;XP_0 15190289.1;X P_015190273. 1	XP_015190290.1;XP_015190292.1;XP_015190281.1;XP_015190275.1;XP_015190276.1;XP_015190277.1;XP_015190278.1;XP_015190279.1;XP_015190280.1;XP_015190282.1;XP_015190283.1;XP_015190284.1;XP_015190286.1;XP_015190287.1;XP_015190288.1;XP_015190289.1;XP_015190273.1	XP_015190290.1 PREDICTED: serine protease inhibitor 3/4-like isoform X17 [Polistes dominula];XP_015190292.1 PREDICTED: serine protease inhibitor 3/4-like isoform X19 [Polistes dominula];XP_015190281.1 PREDICTED: serine protease inhibitor 3/4-like isoform X	19	6	6	6	43,924	42241000	77614000	14591000	24512000
XP_01519142 9.1	XP_015191429.1	XP_015191429.1 PREDICTED: glucosylceramidase [Polistes dominula]	1	6	6	6	61,21	50921000	0	0	3414900
XP_01519144 6.1	XP_015191446.1	XP_015191446.1 PREDICTED: alpha-aminoadipic semialdehyde dehydrogenase [Polistes dominula]	1	6	6	6	57,199	0	4929600	4558000	0
XP_01517118 8.1;XP_01517 1189.1	XP_015171188.1;XP_015171189.1	XP_015171188.1 PREDICTED: pterin-4-alpha-carbinolamine dehydratase isoform X1 [Polistes dominula];XP_015171189.1 PREDICTED: pterin-4-alpha-carbinolamine dehydratase isoform X2 [Polistes dominula]	2	7	7	7	16,438	30289000	374050000	10037000	0
XP_01517349 6.1;XP_01517 3495.1	XP_015173496.1;XP_015173495.1	XP_015173496.1 PREDICTED: ribonuclease Oy [Polistes dominula];XP_015173495.1 PREDICTED: ribonuclease Oy [Polistes dominula]	2	7	7	7	29,623	97594000	3420600	2371100	18990000
XP_01517571 9.1	XP_015175719.1	XP_015175719.1 PREDICTED: phosphoglycerate mutase 2 [Polistes dominula]	1	7	7	7	28,712	0	159410000	0	30493000
XP_01517678 4.1	XP_015176784.1	XP_015176784.1 PREDICTED: venom carboxylesterase-6-like [Polistes dominula]	1	7	7	7	63,811	0	16191000	98690000	0
XP_01517756 0.1	XP_015177560.1	XP_015177560.1 PREDICTED: ATP synthase subunit alpha, mitochondrial [Polistes dominula]	1	7	7	7	59,518	127100000	0	0	0
XP_01517844 0.1	XP_015178440.1	XP_015178440.1 PREDICTED: group XV phospholipase A2-like [Polistes dominula]	1	7	7	7	46,645	42533000	2908000	0	2242900
XP_01517866 5.1;XP_01517 8664.1	XP_015178665.1;XP_015178664.1	XP_015178665.1 PREDICTED: 97 kDa heat shock protein isoform X2 [Polistes dominula];XP_015178664.1 PREDICTED: 97 kDa heat shock protein isoform X1 [Polistes dominula]	2	7	7	7	93,427	22816000	13319000	4898600	0

XP_01517884 0.1;XP_01517 8839.1;XP_01 5178838.1;XP _015178835.1 ;XP_0151788 42.1;XP_0151 78837.1;XP_0 15178836.1;X P_015178843. 1	XP_015178840.1;XP_ 015178839.1;XP_015 178838.1;XP_015178 835.1;XP_015178842. 1;XP_015178837.1;X P_015178836.1;XP_0 15178843.1	XP_015178840.1 PREDICTED: PDZ and LIM domain protein 3 isoform X6 [Polistes dominula];XP_015178839.1 PREDICTED: PDZ and LIM domain protein 3 isoform X5 [Polistes dominula];XP_015178838.1 PREDICTED: PDZ and LIM domain protein 3 isoform X4 [Polistes dominula]	8	7	7	7	36,262	0	114230000	183620000	16177000
XP_01517886 2.1;XP_01517 8864.1;XP_01 5178863.1	XP_015178862.1;XP_ 015178864.1;XP_015 178863.1	XP_015178862.1 PREDICTED: transketolase-like protein 2 isoform X1 [Polistes dominula];XP_015178864.1 PREDICTED: transketolase-like protein 2 isoform X2 [Polistes dominula];XP_015178863.1 PREDICTED: transketolase-like protein 2 isoform X2 [Polistes dominula]	3	7	7	7	67,984	76747000	0	0	0
XP_01517890 7.1	XP_015178907.1	XP_015178907.1 PREDICTED: lysosomal aspartic protease [Polistes dominula]	1	7	7	7	42,041	35717000	0	48907000	0
XP_01517961 5.1	XP_015179615.1	XP_015179615.1 PREDICTED: uncharacterized oxidoreductase Yjmc [Polistes dominula]	1	7	7	7	44,634	102600000	0	0	0
XP_01517994 1.1	XP_015179941.1	XP_015179941.1 PREDICTED: 4-coumarate--CoA ligase 1 [Polistes dominula]	1	7	7	7	66,64	103730000	0	0	0
XP_01518027 1.1;XP_01518 0270.1;XP_01 5180269.1;XP _015180268.1 ;XP_0151802 67.1;XP_0151 80266.1;XP_0 15180265.1;X P_015180264. 1	XP_015180271.1;XP_ 015180270.1;XP_015 180269.1;XP_015180 268.1;XP_015180267. 1;XP_015180266.1;X P_015180265.1;XP_0 15180264.1	XP_015180271.1 PREDICTED: muscle M-line assembly protein unc-89 isoform X8 [Polistes dominula];XP_015180270.1 PREDICTED: muscle M-line assembly protein unc-89 isoform X7 [Polistes dominula];XP_015180269.1 PREDICTED: muscle M-line assembly protein unc-89 is	8	7	7	7	606,68	0	6682400	0	15741000
XP_01518064 6.1	XP_015180646.1	XP_015180646.1 PREDICTED: glycogen phosphorylase [Polistes dominula]	1	7	7	7	97,461	0	0	0	84646000
XP_01518093 4.1;XP_01518 0933.1;XP_01 5180932.1	XP_015180934.1;XP_ 015180933.1;XP_015 180932.1	XP_015180934.1 PREDICTED: NADP-dependent malic enzyme isoform X2 [Polistes dominula];XP_015180933.1 PREDICTED: NADP-dependent malic enzyme isoform X1 [Polistes dominula];XP_015180932.1 PREDICTED: NADP-dependent malic enzyme isoform X1 [Polistes dominula]	3	7	7	7	68,391	0	0	5764100	60683000
XP_01518131 5.1	XP_015181315.1	XP_015181315.1 PREDICTED: uncharacterized protein LOC107068952 [Polistes dominula]	1	7	7	7	19,253	839040000	23077000	47906000	84305000
XP_01518140 6.1	XP_015181406.1	XP_015181406.1 PREDICTED: peptidyl-prolyl cis-trans isomerase [Polistes dominula]	1	7	7	7	18,063	33094000	52859000	8978700	47713000

XP_01518158 4.1;XP_01518 1583.1;XP_01 5181582.1;XP _015181581.1 ;XP_0151815 80.1;XP_0151 81579.1;XP_0 15181578.1;X P_015181576. 1	XP_015181584.1;XP_ 015181583.1;XP_015 181582.1;XP_015181 581.1;XP_015181580. 1;XP_015181579.1;X P_015181578.1;XP_0 15181576.1	XP_015181584.1 PREDICTED: alpha-N-acetyl-galactosaminidase isoform X2 [Polistes dominula];XP_015181583.1 PREDICTED: alpha-N-acetyl-galactosaminidase isoform X2 [Polistes dominula];XP_015181582.1 PREDICTED: alpha-N-acetyl-galactosaminidase isoform X2 [Polistes dominula];XP_015181579.1 PREDICTED: alpha-N-acetyl-galactosaminidase isoform X2 [Polistes dominula];XP_015181578.1 PREDICTED: alpha-N-acetyl-galactosaminidase isoform X2 [Polistes dominula];XP_015181576.1 PREDICTED: alpha-N-acetyl-galactosaminidase isoform X2 [Polistes dominula]	8	7	7	7	50,344	0	32199000	0	54354000
XP_01518252 8.1	XP_015182528.1	XP_015182528.1 PREDICTED: nuclear migration protein nudC [Polistes dominula]	1	7	7	7	38,593	0	86404000	0	0
XP_01518285 2.1;XP_01518 2851.1;XP_01 5182850.1	XP_015182852.1;XP_ 015182851.1;XP_015 182850.1	XP_015182852.1 PREDICTED: digestive cysteine proteinase 1 [Polistes dominula];XP_015182851.1 PREDICTED: digestive cysteine proteinase 1 [Polistes dominula];XP_015182850.1 PREDICTED: digestive cysteine proteinase 1 [Polistes dominula]	3	7	7	7	62,048	49251000	34157000	20767000	0
XP_01518411 0.1	XP_015184110.1	XP_015184110.1 PREDICTED: rab GDP dissociation inhibitor beta [Polistes dominula]	1	7	7	7	50,023	0	87013000	0	0
XP_01518467 1.1;XP_01518 4669.1;XP_01 5184668.1	XP_015184671.1;XP_ 015184669.1;XP_015 184668.1	XP_015184671.1 PREDICTED: trehalase-like isoform X2 [Polistes dominula];XP_015184669.1 PREDICTED: trehalase-like isoform X1 [Polistes dominula];XP_015184668.1 PREDICTED: trehalase-like isoform X1 [Polistes dominula]	3	7	7	7	68,068	25180000	49119000	0	8939100
XP_01518711 6.1	XP_015187116.1	XP_015187116.1 PREDICTED: phospholipase A1-like [Polistes dominula]	1	8	7	7	37,852	403260000	0	131100000	170700000
XP_01518779 5.1;XP_01518 7794.1;XP_01 5187793.1;XP _015187796.1	XP_015187795.1;XP_ 015187794.1;XP_015 187793.1;XP_015187 796.1	XP_015187795.1 PREDICTED: glucose-6-phosphate 1-dehydrogenase isoform X3 [Polistes dominula];XP_015187794.1 PREDICTED: glucose-6-phosphate 1-dehydrogenase isoform X2 [Polistes dominula];XP_015187793.1 PREDICTED: glucose-6-phosphate 1-dehydrogenase isoform	4	7	7	7	60,237	44026000	0	0	0
XP_01518937 6.1	XP_015189376.1	XP_015189376.1 PREDICTED: eukaryotic translation initiation factor 2A [Polistes dominula]	1	7	7	7	68,431	0	31750000	0	0
XP_01519012 4.1;XP_01519 0123.1	XP_015190124.1;XP_ 015190123.1	XP_015190124.1 PREDICTED: probable phospholipid hydroperoxide glutathione peroxidase isoform X2 [Polistes dominula];XP_015190123.1 PREDICTED: probable phospholipid hydroperoxide glutathione peroxidase isoform X1 [Polistes dominula]	2	7	7	7	21,926	19199000	142560000	99320000	9543200
XP_01519128 4.1	XP_015191284.1	XP_015191284.1 PREDICTED: GTP:AMP phosphotransferase AK3, mitochondrial [Polistes dominula]	1	7	7	7	24,975	341620000	0	0	0
XP_01519146 8.1	XP_015191468.1	XP_015191468.1 PREDICTED: peroxisomal multifunctional enzyme type 2-like [Polistes dominula]	1	7	7	7	79,329	32832000	0	0	2223300
XP_01519165 2.1;XP_01519 1651.1;XP_01 5191650.1;XP _015191649.1	XP_015191652.1;XP_ 015191651.1;XP_015 191650.1;XP_015191 649.1	XP_015191652.1 PREDICTED: uncharacterized protein LOC107074598 isoform X3 [Polistes dominula];XP_015191651.1 PREDICTED: uncharacterized protein LOC107074598 isoform X3 [Polistes dominula];XP_015191650.1 PREDICTED: uncharacterized protein LOC107074598 isofo	4	7	7	7	46,925	0	72135000	0	5230000
XP_01517388 9.1	XP_015173889.1	XP_015173889.1 PREDICTED: peroxisomal hydratase-dehydrogenase-epimerase-like [Polistes dominula]	1	8	8	8	94,529	9901500	104830000	70677000	32068000

XP_01517646 6.1;XP_01517 6485.1;XP_01 5176476.1;XP _015176502.1 ;XP_0151764 94.1	XP_015176466.1;XP_ 015176485.1;XP_015 176476.1;XP_015176 502.1;XP_015176494. 1	XP_015176466.1 PREDICTED: muscle LIM protein Mlp84B-like isoform X1 [Polistes dominula];XP_015176485.1 PREDICTED: muscle LIM protein 1-like isoform X3 [Polistes dominula];XP_015176476.1 PREDICTED: muscle LIM protein Mlp84B-like isoform X2 [Polistes dominul	5	8	8	8	53,388	0	694730000	3527600000	37654000
XP_01517663 8.1;XP_01517 6637.1;XP_01 5176636.1;XP _015176634.1	XP_015176638.1;XP_ 015176637.1;XP_015 176636.1;XP_015176 634.1	XP_015176638.1 PREDICTED: hexokinase type 2 isoform X4 [Polistes dominula];XP_015176637.1 PREDICTED: hexokinase type 2 isoform X3 [Polistes dominula];XP_015176636.1 PREDICTED: hexokinase type 2 isoform X2 [Polistes dominula];XP_015176634.1 PREDICTED: hexok	4	8	8	8	49,86	0	33111000	0	0
XP_01517863 2.1;XP_01517 8631.1;XP_01 5178630.1;XP _015178628.1 ;XP_0151786 29.1	XP_015178632.1;XP_ 015178631.1;XP_015 178630.1;XP_015178 628.1;XP_015178629. 1	XP_015178632.1 PREDICTED: microtubule-associated protein tau-like isoform X5 [Polistes dominula];XP_015178631.1 PREDICTED: microtubule-associated protein 4-like isoform X4 [Polistes dominula];XP_015178630.1 PREDICTED: microtubule-associated protein 4-like	5	8	8	8	125,78	8435800	16897000	4666000	2057800
XP_01518162 3.1;XP_01518 1629.1;XP_01 5181628.1;XP _015181627.1 ;XP_0151816 26.1;XP_0151 81625.1;XP_0 15181624.1	XP_015181623.1;XP_ 015181629.1;XP_015 181628.1;XP_015181 627.1;XP_015181626. 1;XP_015181625.1;X P_015181624.1	XP_015181623.1 PREDICTED: moesin/ezrin/radixin homolog 1 isoform X1 [Polistes dominula];XP_015181629.1 PREDICTED: moesin/ezrin/radixin homolog 1 isoform X7 [Polistes dominula];XP_015181628.1 PREDICTED: moesin/ezrin/radixin homolog 1 isoform X6 [Polistes do	7	8	8	8	60,225	38699000	28268000	0	5872500
XP_01518340 6.1;XP_01518 3405.1;XP_01 5183404.1;XP _015183403.1 ;XP_0151834 02.1;XP_0151 83401.1	XP_015183406.1;XP_ 015183405.1;XP_015 183404.1;XP_015183 403.1;XP_015183402. 1;XP_015183401.1	XP_015183406.1 PREDICTED: adenyl cyclase-associated protein 1 isoform X4 [Polistes dominula];XP_015183405.1 PREDICTED: adenyl cyclase-associated protein 1 isoform X3 [Polistes dominula];XP_015183404.1 PREDICTED: adenyl cyclase-associated protein 1 is	6	8	8	8	56,943	6878000	546000000	52958000	16682000
XP_01518366 3.1	XP_015183663.1	XP_015183663.1 PREDICTED: probable citrate synthase 2, mitochondrial [Polistes dominula]	1	8	8	8	51,836	66668000	121440000	15871000	90552000
XP_01518388 2.1	XP_015183882.1	XP_015183882.1 PREDICTED: glutathione S-transferase 1-1-like [Polistes dominula]	1	8	8	8	25,034	124830000	622670000	91801000	57415000
XP_01518456 1.1	XP_015184561.1	XP_015184561.1 PREDICTED: obg-like ATPase 1 [Polistes dominula]	1	8	8	8	44,661	0	67117000	8257100	0
XP_01518608 9.1;XP_01518 6079.1	XP_015186089.1;XP_ 015186079.1	XP_015186089.1 PREDICTED: prosaposin isoform X2 [Polistes dominula];XP_015186079.1 PREDICTED: prosaposin isoform X1 [Polistes dominula]	2	8	8	8	83,057	113850000	0	0	0
XP_01518652 1.1	XP_015186521.1	XP_015186521.1 PREDICTED: beta-1,3-glucan-binding protein 1-like [Polistes dominula]	1	8	8	8	53,483	0	102270000	23391000	0

XP_01518711 3.1	XP_015187113.1	XP_015187113.1 PREDICTED: protein yellow-like [Polistes dominula]	1	8	8	8	49,146	102730000	0	0	7357400
XP_01517280 6.1;XP_01517 2805.1	XP_015172806.1;XP_ 015172805.1	XP_015172806.1 PREDICTED: cytochrome c [Polistes dominula];XP_015172805.1 PREDICTED: cytochrome c [Polistes dominula]	2	9	9	9	11,836	60748000	2421300000	931830000	215220000
XP_01517468 1.1	XP_015174681.1	XP_015174681.1 PREDICTED: cytosol aminopeptidase isoform X2 [Polistes dominula]	1	9	9	9	55,246	31114000	323600000	0	8097100
XP_01517495 1.1	XP_015174951.1	XP_015174951.1 PREDICTED: triosephosphate isomerase [Polistes dominula]	1	9	9	9	26,906	33044000	77039000	0	279820000
XP_01517684 1.1	XP_015176841.1	XP_015176841.1 PREDICTED: superoxide dismutase [Mn], mitochondrial [Polistes dominula]	1	9	9	9	24,402	105580000	429930000	34971000	11758000
XP_01517784 8.1;XP_01518 2320.1;XP_01 5182319.1;AC B70872.1;AJ G01714.1;AH M24890.1;XP _015172041.1 ;XP_0151720 32.1	XP_015177848.1;XP_ 015182320.1;XP_015 182319.1;ACB70872. 1;AJG01714.1	XP_015177848.1 PREDICTED: elongation factor 1-alpha [Polistes dominula];XP_015182320.1 PREDICTED: elongation factor 1-alpha-like [Polistes dominula];XP_015182319.1 PREDICTED: elongation factor 1-alpha-like [Polistes dominula];ACB70872.1 elongation factor 1	8	9	9	9	50,304	160930000	83782000	62021000	56640000
XP_01517865 1.1	XP_015178651.1	XP_015178651.1 PREDICTED: protein disulfide-isomerase [Polistes dominula]	1	9	9	9	56,624	74322000	6698000	0	0
XP_01517947 3.1;XP_01517 9472.1;XP_01 5179471.1;XP _015179470.1	XP_015179473.1;XP_ 015179472.1;XP_015 179471.1;XP_015179 470.1	XP_015179473.1 PREDICTED: aldose reductase-like [Polistes dominula];XP_015179472.1 PREDICTED: aldose reductase-like [Polistes dominula];XP_015179471.1 PREDICTED: aldose reductase-like [Polistes dominula];XP_015179470.1 PREDICTED: aldose reductase-like [Polistes dominula]	4	9	9	9	36,409	11943000	87367000	34347000	16542000
XP_01517948 4.1	XP_015179484.1	XP_015179484.1 PREDICTED: probable fatty acid-binding protein isoform X2 [Polistes dominula]	1	9	9	2	15,098	0	301910000	124450000	14177000
XP_01518040 0.1	XP_015180400.1	XP_015180400.1 PREDICTED: translation elongation factor 2 [Polistes dominula]	1	9	9	9	94,719	21210000	13922000	0	8524100
XP_01518478 3.1	XP_015184783.1	XP_015184783.1 PREDICTED: heat shock protein 83 [Polistes dominula]	1	9	9	5	82,764	101400000	0	0	0
XP_01518519 2.1;XP_01518 5191.1;XP_01 5185190.1	XP_015185192.1;XP_ 015185191.1;XP_015 185190.1	XP_015185192.1 PREDICTED: puromycin-sensitive aminopeptidase isoform X3 [Polistes dominula];XP_015185191.1 PREDICTED: puromycin-sensitive aminopeptidase isoform X2 [Polistes dominula];XP_015185190.1 PREDICTED: puromycin-sensitive aminopeptidase isoform X1	3	9	9	9	104,4	0	157670000	0	2685800
XP_01518624 3.1	XP_015186243.1	XP_015186243.1 PREDICTED: protein deglycase DJ-1zDJ-1-like [Polistes dominula]	1	9	9	9	23,779	47057000	667040000	82916000	31930000
XP_01518999 1.1	XP_015189991.1	XP_015189991.1 PREDICTED: protein disulfide-isomerase A3 [Polistes dominula]	1	9	9	9	55,645	0	54288000	11988000	0
XP_01519004 5.1	XP_015190045.1	XP_015190045.1 PREDICTED: glyoxalase domain-containing protein 4 [Polistes dominula]	1	9	9	9	32,149	127940000	369220000	0	44635000

XP_01519117.1;XP_015191178.1	XP_015191177.1;XP_015191178.1	XP_015191177.1 PREDICTED: dihydropteridine reductase isoform X1 [Polistes dominula];XP_015191178.1 PREDICTED: dihydropteridine reductase isoform X2 [Polistes dominula]	2	9	9	9	25,677	92257000	73082000	41683000	10907000
XP_01517166.1;XP_015171663.1;XP_015171662.1;XP_015171661.1	XP_015171664.1;XP_015171663.1;XP_015171662.1;XP_015171661.1	XP_015171664.1 PREDICTED: dipeptidyl peptidase 3 isoform X3 [Polistes dominula];XP_015171663.1 PREDICTED: dipeptidyl peptidase 3 isoform X3 [Polistes dominula];XP_015171662.1 PREDICTED: dipeptidyl peptidase 3 isoform X2 [Polistes dominula];XP_015171661.1 P	4	10	10	10	83,652	0	129660000	0	0
XP_01517167.1	XP_015171673.1	XP_015171673.1 PREDICTED: isocitrate dehydrogenase [NADP] cytoplasmic [Polistes dominula]	1	10	10	10	53,08	273410000	0	0	28376000
XP_01517184.1;XP_015171838.1	XP_015171840.1;XP_015171838.1	XP_015171840.1 PREDICTED: prolyl endopeptidase isoform X2 [Polistes dominula];XP_015171838.1 PREDICTED: prolyl endopeptidase isoform X1 [Polistes dominula]	2	10	10	10	79,632	2363800	577890000	13019000	0
XP_01517630.1	XP_015176309.1	XP_015176309.1 PREDICTED: vitellogenin-6-like [Polistes dominula]	1	10	10	10	171,21	0	16406000	7826700	24137000
XP_01517834.1;XP_015178343.1;XP_015178341.1;XP_015178341.1;XP_015178339.1;XP_015178339.1;XP_015178335.1;XP_015178347.1;XP_015178335.1;XP_015178347.1;XP_015178340.1;XP_015178340.1;XP_015178336.1;XP_015178338.1	XP_015178346.1;XP_015178343.1;XP_015178341.1;XP_015178335.1;XP_015178347.1;XP_015178344.1	XP_015178346.1 PREDICTED: troponin I isoform X10 [Polistes dominula];XP_015178343.1 PREDICTED: troponin I isoform X8 [Polistes dominula];XP_015178341.1 PREDICTED: troponin I isoform X5 [Polistes dominula];XP_015178339.1 PREDICTED: troponin I isoform X5 [Polistes dominula];XP_015178335.1 PREDICTED: troponin I isoform X5 [Polistes dominula];XP_015178347.1 PREDICTED: troponin I isoform X5 [Polistes dominula];XP_015178344.1 PREDICTED: troponin I isoform X5 [Polistes dominula];XP_015178340.1 PREDICTED: troponin I isoform X5 [Polistes dominula];XP_015178340.1 PREDICTED: troponin I isoform X5 [Polistes dominula];XP_015178336.1 PREDICTED: troponin I isoform X5 [Polistes dominula];XP_015178338.1 PREDICTED: troponin I isoform X5 [Polistes dominula]	10	10	10	8	23,745	0	14456000	1201400000	0
XP_01517874.1	XP_015178742.1	XP_015178742.1 PREDICTED: uncharacterized protein LOC107067603 [Polistes dominula]	1	10	10	10	225,64	0	201110000	433940000	28595000
XP_01517926.1;XP_015179269.1	XP_015179268.1;XP_015179269.1	XP_015179268.1 PREDICTED: heat shock 70 kDa protein cognate 3 isoform X1 [Polistes dominula];XP_015179269.1 PREDICTED: heat shock 70 kDa protein cognate 3 isoform X2 [Polistes dominula]	2	13	10	10	73,121	100750000	4670500	0	0
XP_01518207.1	XP_015182073.1	XP_015182073.1 PREDICTED: uncharacterized protein LOC107069346 [Polistes dominula]	1	10	10	10	127,62	14907000	851040000	245650000	615190000
XP_01518384.1	XP_015183846.1	XP_015183846.1 PREDICTED: glutathione S-transferase-like [Polistes dominula]	1	10	10	7	23,245	163610000	2662400000	337020000	135570000
XP_01518435.1	XP_015184358.1	XP_015184358.1 PREDICTED: 3-ketoacyl-CoA thiolase, mitochondrial [Polistes dominula]	1	10	10	10	42,023	0	87842000	0	0
XP_01518620.1	XP_015186207.1	XP_015186207.1 PREDICTED: aminoacylase-1-like [Polistes dominula]	1	10	10	10	45,722	0	161680000	47702000	25977000
XP_01518712.1	XP_015187127.1	XP_015187127.1 PREDICTED: uncharacterized protein LOC107072057 [Polistes dominula]	1	10	10	10	21,751	6476900	226280000	15615000	2716500
XP_01517307.1	XP_015173078.1	XP_015173078.1 PREDICTED: protein lethal(2)essential for life-like [Polistes dominula]	1	11	11	11	23,619	283690000	0	7574000	0

XP_01517567 1.1;XP_01517 5670.1	XP_015175671.1;XP_ 015175670.1	XP_015175671.1 PREDICTED: V-type proton ATPase subunit C [Polistes dominula];XP_015175670.1 PREDICTED: V-type proton ATPase subunit C [Polistes dominula]	2	11	11	11	44,406	34948000	79929000	11075000	0
XP_01517690 6.1;XP_01517 6908.1;XP_01 5176907.1	XP_015176906.1;XP_ 015176908.1;XP_015 176907.1	XP_015176906.1 PREDICTED: esterase E4-like [Polistes dominula];XP_015176908.1 PREDICTED: esterase FE4-like isoform X2 [Polistes dominula];XP_015176907.1 PREDICTED: esterase E4-like isoform X1 [Polistes dominula]	3	12	11	11	65,506	0	358680000	0	0
XP_01517825 2.1	XP_015178252.1	XP_015178252.1 PREDICTED: insulin-like growth factor-binding protein complex acid labile subunit [Polistes dominula]	1	11	11	11	71,434	0	243540000	14333000	0
XP_01517890 6.1	XP_015178906.1	XP_015178906.1 PREDICTED: delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial [Polistes dominula]	1	11	11	11	63,139	121820000	110850000	41089000	0
XP_01518530 3.1	XP_015185303.1	XP_015185303.1 PREDICTED: vascular endothelial growth factor C [Polistes dominula]	1	11	11	11	36,254	791920000	198370000	41545000	373830000
XP_01518653 7.1	XP_015186537.1	XP_015186537.1 PREDICTED: nucleoside diphosphate kinase [Polistes dominula]	1	11	11	11	19,679	82621000	3399600000	434920000	147860000
XP_01518708 8.1;XP_01518 7087.1	XP_015187088.1;XP_ 015187087.1	XP_015187088.1 PREDICTED: 3-hydroxyacyl-CoA dehydrogenase type-2-like [Polistes dominula];XP_015187087.1 PREDICTED: 3-hydroxyacyl-CoA dehydrogenase type-2-like [Polistes dominula]	2	11	11	9	27,117	114080000	244080000	20517000	55781000
XP_01519004 4.1	XP_015190044.1	XP_015190044.1 PREDICTED: protein lethal(2)essential for life-like [Polistes dominula]	1	11	11	11	27,592	2568900000	229410000	105420000	160290000
XP_01517180 6.1;XP_01517 1805.1	XP_015171806.1;XP_ 015171805.1	XP_015171806.1 PREDICTED: glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic-like isoform X2 [Polistes dominula];XP_015171805.1 PREDICTED: glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic-like isoform X1 [Polistes dominula]	2	12	12	12	38,313	5546100	149810000	6163100	137990000
XP_01517236 7.1	XP_015172367.1	XP_015172367.1 PREDICTED: malate dehydrogenase, cytoplasmic [Polistes dominula]	1	12	12	12	36,25	90010000	1390000000	353500000	87286000
XP_01517303 0.1	XP_015173030.1	XP_015173030.1 PREDICTED: acetyl-CoA acetyltransferase, cytosolic [Polistes dominula]	1	12	12	12	41,548	272310000	0	0	0
XP_01517697 5.1	XP_015176975.1	XP_015176975.1 PREDICTED: ATP synthase subunit beta, mitochondrial [Polistes dominula]	1	12	12	12	55,223	143480000	0	0	0
XP_01517740 1.1	XP_015177401.1	XP_015177401.1 PREDICTED: chitinase-like protein Idgf4 [Polistes dominula]	1	12	12	12	48,457	5640100	620140000	323360000	12994000
XP_01517914 2.1;XP_01517 9141.1;XP_01 5179139.1	XP_015179142.1;XP_ 015179141.1;XP_015 179139.1	XP_015179142.1 PREDICTED: actin, muscle [Polistes dominula];XP_015179141.1 PREDICTED: actin, clone 205-like [Polistes dominula];XP_015179139.1 PREDICTED: actin, clone 205-like [Polistes dominula]	3	12	12	4	41,757	304930000	344480000	69163000	8611900
XP_01518458 1.1	XP_015184581.1	XP_015184581.1 PREDICTED: catalase [Polistes dominula]	1	12	12	12	57,659	0	93272000	0	0
XP_01518828 8.1	XP_015188288.1	XP_015188288.1 PREDICTED: peroxiredoxin 1-like [Polistes dominula]	1	12	12	11	21,569	696240000	142310000	630590000	154700000
XP_01517847 8.1	XP_015178478.1	XP_015178478.1 PREDICTED: glyceraldehyde-3-phosphate dehydrogenase 2 [Polistes dominula]	1	13	13	13	35,655	99767000	78163000	35786000	246550000

XP_01518212 9.1;XP_01518 2128.1;XP_01 5182127.1;XP _015182126.1 ;XP_0151821 25.1;XP_0151 82124.1;XP_0 15182123.1	XP_015182129.1;XP_015182128.1;XP_015182127.1;XP_015182126.1;XP_015182125.1;XP_015182124.1;XP_015182123.1	XP_015182129.1 PREDICTED: farnesol dehydrogenase-like isoform X2 [Polistes dominula];XP_015182128.1 PREDICTED: farnesol dehydrogenase-like isoform X2 [Polistes dominula];XP_015182127.1 PREDICTED: farnesol dehydrogenase-like isoform X2 [Polistes dominula];X									
XP_01518433 7.1	XP_015184337.1	XP_015184337.1 PREDICTED: cofilin/actin-depolymerizing factor homolog [Polistes dominula]	1	13	13	13	16,832	68794000	3925700000	796260000	228260000
XP_01518483 5.1	XP_015184835.1	XP_015184835.1 PREDICTED: probable enoyl-CoA hydratase, mitochondrial [Polistes dominula]	1	13	13	13	32,211	2173800000	875590000	60768000	81028000
sp Q7Z269.1 SP4_PO LDO;NP_001310266. 1;AAP37412.1	sp Q7Z269.1 SP4_PO LDO;NP_001310266. 1;AAP37412.1	sp Q7Z269.1 SP4_PO LDO RecName: Full=Venom serine protease; AltName: Allergen=Pol d 4; Flags: Precursor;NP_001310266.1 venom serine protease precursor [Polistes dominula];AAP37412.1 venom serine protease precursor [Polistes dominula]	3	14	14	14	30,804	26343000000	4189700000	5538900000	9578100000
XP_01517251 0.1	XP_015172510.1	XP_015172510.1 PREDICTED: probable transaldolase [Polistes dominula]	1	14	14	14	40,533	90646000	1239400000	234610000	32754000
XP_01517371 1.1;XP_01517 3710.1;XP_01 5173709.1;XP _015173706.1 ;XP_0151737 08.1	XP_015173711.1;XP_015173710.1;XP_015173709.1;XP_015173706.1	XP_015173711.1 PREDICTED: dihydropyrimidinase isoform X3 [Polistes dominula];XP_015173710.1 PREDICTED: dihydropyrimidinase isoform X3 [Polistes dominula];XP_015173709.1 PREDICTED: dihydropyrimidinase isoform X3 [Polistes dominula];XP_015173706.1 PREDICTED:	5	14	14	14	66,255	0	121010000	41245000	37702000
XP_01517468 8.1;XP_01517 4687.1	XP_015174688.1;XP_015174687.1	XP_015174688.1 PREDICTED: heat shock 70 kDa protein cognate 4-like [Polistes dominula];XP_015174687.1 PREDICTED: heat shock 70 kDa protein cognate 4-like [Polistes dominula]	2	25	14	13	70,686	155030000	611450000	123920000	78875000
XP_01517491 0.1;AEN6231 8.1	XP_015174910.1;AEN62318.1	XP_015174910.1 PREDICTED: toll-like receptor 8 [Polistes dominula];AEN62318.1 IRP30, partial [Polistes dominula]	2	14	14	14	37,282	1452000000	413800000	109330000	203310000
XP_01517494 9.1	XP_015174949.1	XP_015174949.1 PREDICTED: 60 kDa heat shock protein, mitochondrial-like [Polistes dominula]	1	14	14	14	60,922	297130000	28943000	0	12420000
XP_01517997 4.1	XP_015179974.1	XP_015179974.1 PREDICTED: prostaglandin reductase 1-like [Polistes dominula]	1	14	14	14	38,653	1291400000	2654100000	301360000	224240000
XP_01517155 5.1;XP_01517 1470.1;XP_01 5171394.1;XP _015171223.1 ;XP_0151711 34.1;XP_0151 71047.1;XP_0 15171638.1;X P_015171313. 1	XP_015171555.1;XP_015171470.1;XP_015171394.1;XP_015171223.1;XP_015171047.1;XP_015171638.1;XP_015171313.1	XP_015171555.1 PREDICTED: titin isoform X5 [Polistes dominula];XP_015171470.1 PREDICTED: titin isoform X5 [Polistes dominula];XP_015171394.1 PREDICTED: titin isoform X4 [Polistes dominula];XP_015171223.1 PREDICTED: titin isoform X2 [Polistes dominula];XP_0	8	15	15	15	459,79	0	94031000	10414000	26453000

XP_01518118 4.1	XP_015181184.1	XP_015181184.1 PREDICTED: transcription elongation factor SPT5 [Polistes dominula]	1	15	15	15	219,65	0	395330000	103120000	28090000
XP_01518633 9.1;XP_01518 6347.1	XP_015186339.1;XP_ 015186347.1	XP_015186339.1 PREDICTED: fumarylacetoacetate hydrolase domain-containing protein 2 isoform X1 [Polistes dominula];XP_015186347.1 PREDICTED: fumarylacetoacetate hydrolase domain-containing protein 2A isoform X2 [Polistes dominula]	2	15	15	15	38,607	233320000	734310000	14146000	23991000
XP_01518711 5.1	XP_015187115.1	XP_015187115.1 PREDICTED: phospholipase A1-like [Polistes dominula]	1	20	15	15	38,417	4942200000	398740000	638950000	433790000
XP_01518797 0.1;XP_01518 7969.1	XP_015187970.1;XP_ 015187969.1	XP_015187970.1 PREDICTED: phosphoglucomutase [Polistes dominula];XP_015187969.1 PREDICTED: phosphoglucomutase [Polistes dominula]	2	15	15	15	61,582	0	1230600000	59463000	104280000
XP_01517760 8.1;XP_01517 7607.1;XP_01 5177606.1	XP_015177608.1;XP_ 015177607.1;XP_015 177606.1	XP_015177608.1 PREDICTED: thioredoxin reductase 1, mitochondrial isoform X3 [Polistes dominula];XP_015177607.1 PREDICTED: thioredoxin reductase 1, mitochondrial isoform X2 [Polistes dominula];XP_015177606.1 PREDICTED: thioredoxin reductase 2, mitochondrial	3	16	16	16	53,688	147900000	538380000	54443000	21668000
XP_01518098 2.1;XP_01518 0981.1;XP_01 5180980.1	XP_015180982.1;XP_ 015180981.1;XP_015 180980.1	XP_015180982.1 PREDICTED: NADP-dependent malic enzyme isoform X3 [Polistes dominula];XP_015180981.1 PREDICTED: NADP-dependent malic enzyme isoform X2 [Polistes dominula];XP_015180980.1 PREDICTED: NADP-dependent malic enzyme isoform X1 [Polistes dominula]	3	16	16	16	63,393	127850000	627440000	94924000	88633000
XP_01518419 2.1	XP_015184192.1	XP_015184192.1 PREDICTED: dihydrolipoyl dehydrogenase, mitochondrial [Polistes dominula]	1	16	16	16	53,963	76208000	956450000	90920000	129710000
XP_01518466 7.1	XP_015184667.1	XP_015184667.1 PREDICTED: probable aconitate hydratase, mitochondrial [Polistes dominula]	1	16	16	16	85,762	36729000	10127000	0	120190000
spiP81656.2 V A5_POLDO; NP_00131026 5.1;AAT9501 0.1	spiP81656.2 VA5_PO LDO;NP_001310265. 1;AAT95010.1	spiP81656.2 VA5_POLDO RecName: Full=Venom allergen 5; AltName: Full=Antigen 5; Short=Ag5; AltName: Full=Cysteine-rich venom protein; Short=CRVP; AltName: Allergen=Pol d 5; Flags: Precursor;NP_001310265.1 venom allergen 5 precursor [Polistes dominula];AAT95	3	17	17	17	25,446	35764000000	13009000000	13953000000	17954000000
XP_01517155 7.1;XP_01517 1023.1	XP_015171557.1	XP_015171557.1 PREDICTED: glutamyl aminopeptidase-like [Polistes dominula]	2	17	17	17	110,62	0	237630000	34078000	8177200
XP_01517599 4.1;XP_01517 6361.1	XP_015175994.1	XP_015175994.1 PREDICTED: aldehyde dehydrogenase X, mitochondrial [Polistes dominula]	2	17	17	17	54,531	0	280830000	35644000	4778600
XP_01517691 7.1;XP_01517 6916.1	XP_015176917.1;XP_ 015176916.1	XP_015176917.1 PREDICTED: heat shock 70 kDa protein cognate 5 [Polistes dominula];XP_015176916.1 PREDICTED: heat shock 70 kDa protein cognate 5 [Polistes dominula]	2	17	17	17	76,051	313350000	194630000	18000000	6859500
XP_01517794 2.1	XP_015177942.1	XP_015177942.1 PREDICTED: arylphorin subunit beta-like [Polistes dominula]	1	17	17	17	80,459	105510000	8983500000	1640600000	180190000
XP_01518103 9.1	XP_015181039.1	XP_015181039.1 PREDICTED: stress-induced-phosphoprotein 1 [Polistes dominula]	1	17	17	17	61,013	128090000	25957000	5331100	0

XP_01518499.1;XP_015184998.1;XP_015184997.1;XP_015184995.1;XP_015184994.1;XP_015184992.1;XP_015184996.1	XP_015184999.1;XP_015184998.1;XP_015184997.1;XP_015184995.1;XP_015184994.1;XP_015184992.1;XP_015184996.1	XP_015184999.1 PREDICTED: troponin T, skeletal muscle isoform X3 [Polistes dominula];XP_015184998.1 PREDICTED: troponin T, skeletal muscle isoform X3 [Polistes dominula];XP_015184997.1 PREDICTED: troponin T, skeletal muscle isoform X3 [Polistes dominula];XP_015184995.1 PREDICTED: troponin T, skeletal muscle isoform X3 [Polistes dominula];XP_015184994.1 PREDICTED: troponin T, skeletal muscle isoform X3 [Polistes dominula];XP_015184992.1 PREDICTED: troponin T, skeletal muscle isoform X3 [Polistes dominula];XP_015184996.1 PREDICTED: troponin T, skeletal muscle isoform X3 [Polistes dominula];X	7	17	17	17	46,394	0	55325000	1779500000	19455000
XP_015187594.1	XP_015187594.1	XP_015187594.1 PREDICTED: annexin B9-like [Polistes dominula]	1	17	17	17	36,081	18339000	1614900000	55403000	44585000
XP_015187606.1	XP_015187606.1	XP_015187606.1 PREDICTED: uncharacterized protein LOC107072309 [Polistes dominula]	1	17	17	17	101,8	251120000	82336000	0	0
XP_015187119.1	XP_015187119.1	XP_015187119.1 PREDICTED: phospholipase A1-like [Polistes dominula]	1	18	18	18	39,864	27324000000	0	3013100000	52552000
XP_015188027.1	XP_015188027.1	XP_015188027.1 PREDICTED: arginine kinase [Polistes dominula]	1	18	18	18	39,751	256610000	1422300000	473350000	1022600000
XP_015177266.1	XP_015177266.1	XP_015177266.1 PREDICTED: uncharacterized protein LOC107066818 [Polistes dominula]	1	19	19	19	53,574	0	366220000	25599000	4737900
XP_015178295.1	XP_015178295.1	XP_015178295.1 PREDICTED: muscle-specific protein 20 [Polistes dominula]	1	19	19	19	20,58	0	11809000000	5791300000	3102300000
XP_015179722.1	XP_015179722.1	XP_015179722.1 PREDICTED: hyaluronidase [Polistes dominula]	1	19	19	19	42,733	11219000000	7371900000	640100000	3794800000
XP_015187948.1;XP_015187929.1;XP_015187939.1	XP_015187948.1;XP_015187929.1;XP_015187939.1	XP_015187948.1 PREDICTED: uncharacterized abhydrolase domain-containing protein DDB_G0269086-like isoform X3 [Polistes dominula];XP_015187929.1 PREDICTED: uncharacterized abhydrolase domain-containing protein DDB_G0269086-like isoform X1 [Polistes dominula];XP_015187939.1 PREDICTED: uncharacterized abhydrolase domain-containing protein DDB_G0269086-like isoform X1 [Polistes dominula]	3	20	20	20	80,894	0	906760000	1167700000	594510000
XP_015172727.1;XP_015172726.1	XP_015172727.1;XP_015172726.1	XP_015172727.1 PREDICTED: malate dehydrogenase, mitochondrial isoform X2 [Polistes dominula];XP_015172726.1 PREDICTED: malate dehydrogenase, mitochondrial isoform X1 [Polistes dominula]	2	21	21	21	32,313	419930000	6440600000	811860000	437520000
XP_015190254.1	XP_015190254.1	XP_015190254.1 PREDICTED: titin-like [Polistes dominula]	1	21	21	21	358,19	0	377930000	65052000	62719000
XP_015184463.1	XP_015184463.1	XP_015184463.1 PREDICTED: fructose-bisphosphate aldolase-like [Polistes dominula]	1	22	22	22	39,587	243280000	1285100000	39969000	1968400000
XP_015176905.1	XP_015176905.1	XP_015176905.1 PREDICTED: esterase E4-like [Polistes dominula]	1	23	23	22	65,577	7552200	3585600000	840770000	78810000
XP_015188978.1;XP_015188979.1	XP_015188978.1;XP_015188979.1	XP_015188978.1 PREDICTED: pyruvate kinase-like isoform X1 [Polistes dominula];XP_015188979.1 PREDICTED: pyruvate kinase-like isoform X2 [Polistes dominula]	2	24	24	24	57,371	54043000	2682000000	565040000	242010000
XP_015177712.1	XP_015177712.1	XP_015177712.1 PREDICTED: heat shock 70 kDa protein cognate 4 [Polistes dominula]	1	28	28	16	71,216	751820000	5677000000	857300000	491210000
XP_015179311.1	XP_015179311.1	XP_015179311.1 PREDICTED: aldose reductase-like [Polistes dominula]	1	29	29	29	69,822	1163700000	1520700000	489390000	321100000
XP_015177945.1	XP_015177945.1	XP_015177945.1 PREDICTED: arylphorin subunit alpha-like [Polistes dominula]	1	30	30	30	81,512	7137500	4385600000	2629400000	119260000

sp Q6Q250.1 PA13_POLD O;AAS67043.1	sp Q6Q250.1 PA13_POLD O;AAS67043.1	sp Q6Q250.1 PA13_POLD RecName: Full=Phospholipase A1 3; AltName: Allergen=Pol d 1; Flags: Precursor;AAS67043.1 venom phospholipase A1 3 precursor, partial [Polistes dominula]	2	32	32	0	35,019	1,7752E+11	6802200000	21546000000	67721000000
XP_01517444 8.1;XP_01517 4447.1;XP_01 5174446.1;XP _015174445.1	XP_015174448.1;XP_ 015174447.1;XP_015 174446.1;XP_015174 445.1	XP_015174448.1 PREDICTED: venom dipeptidyl peptidase 4 [Polistes dominula];XP_015174447.1 PREDICTED: venom dipeptidyl peptidase 4 [Polistes dominula];XP_015174446.1 PREDICTED: venom dipeptidyl peptidase 4 [Polistes dominula];XP_015174445.1 PREDICTED: venom	4	32	32	32	88,858	3762700000	645400000	128320000	41472000
XP_01519033 9.1	XP_015190339.1	XP_015190339.1 PREDICTED: vitellogenin-like [Polistes dominula]	1	33	33	33	201,78	108420000	227340000	161260000	46806000
XP_01517544 8.1;XP_01517 5447.1;XP_01 5175446.1;XP _015175445.1 ;XP_0151754 44.1;XP_0151 75443.1;XP_0 15175450.1	XP_015175448.1;XP_ 015175447.1;XP_015 175446.1;XP_015175 445.1;XP_015175444. 1;XP_015175443.1;X P_015175450.1	XP_015175448.1 PREDICTED: filamin-A isoform X4 [Polistes dominula];XP_015175447.1 PREDICTED: filamin-A isoform X3 [Polistes dominula];XP_015175446.1 PREDICTED: filamin-A isoform X2 [Polistes dominula];XP_015175445.1 PREDICTED: filamin-A isoform X1 [Poliste	7	37	37	5	244,4	81708000	1163900000	459950000	312630000
XP_01517192 7.1	XP_015171927.1	XP_015171927.1 PREDICTED: transferrin [Polistes dominula]	1	42	42	42	79,341	31985000	13059000000	2107400000	124540000
XP_01518329 7.1	XP_015183297.1	XP_015183297.1 PREDICTED: twitchin isoform X8 [Polistes dominula]	1	43	43	23	937,43	0	582950000	463310000	462960000
XP_01519155 9.1	XP_015191559.1	XP_015191559.1 PREDICTED: nuclear anchorage protein 1-like [Polistes dominula]	1	52	52	52	694,62	13260000	956000000	174350000	138400000
XP_01518465 5.1	XP_015184655.1	XP_015184655.1 PREDICTED: apolipophorins [Polistes dominula]	1	111	111	111	377,7	200680000	2985600000	10125000	51857000
XP_01519178 8.1	XP_015191788.1	XP_015191788.1 PREDICTED: titin [Polistes dominula]	1	129	129	129	1594,7	0	1102200000	1876900000	1598000000