|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Proposed Name | Predicted/ Detected Mature Sequence | Retrieved by HMM | Detected by MS/MS | Mass [Da] | PTM mass [Da] | Length | Cys number | Complete | Rt [min] | RPKM | Match found in Uniprot | Specie | Family | % Identity | e-value | Uniprot Code |
| U1-theritoxin-Lm1 | KQCIKKHYECTHDKRNCCVGKVFQYTCKCYDYTNSAGVVEPRCKCTKSILGALTDFGVNLWNRVTG | x |   |   |   | 66 | 8 | x |   | 1’688 | U1-ctenitoxin-Cs1a | *Cupiennius salei* | CSTX | 44.0 | 1.70E-12 | P58604 |
| U2-theritoxin-Lm1 | GCTDISQAEFDEKNANCIKCGEKDFGEEIVKRCRDKCFTDNFYQSCVDLLNDV  | x |   |   |   | 54 | 6 | x |   | 2’210 | alpha-latrotoxin associated low molecular weight | *Latrodectus hesperus* | \_ | 88.7 | 1.10E-34 | V9QFH5 |
| U2-theritoxin-Lm2 | GCTDISQAEFDEKNANCIKCGEKDFGEEIVKRCRDKCFTDNFYQSCVDLLNDVYEEK | x |   |   |   | 57 | 6 | x |   | 2’265 | alpha-latrotoxin associated low molecular weight | *Latrodectus hesperus* | \_ | 89.5 | 1.60E-38 | V9QFH5 |
| U2-theritoxin-Lm3 | CEDLHKEGVVFSLCKTNCFTTEYFTNCVKDLEEAEKEPP  | x |   |   |   | 40 | 4 | x |   | 2’623 | alpha-latrotoxin associated low molecular weight 2 | *Latrodectus hesperus* | arthropod CHH/MIH/GIH/VIH hormone | 97.4 | 8.40E-29 | V9QEI7 |
| U2-theritoxin-Lm4 | LKCEDLHKEGVVFSLCKTNCFTTEYFTNCVKDLEEAEKEPPE | x |   |   |   | 42 | 4 | x |   | 4’232 | alpha-latrotoxin associated low molecular weight 2 | *Latrodectus hesperus* | arthropod CHH/MIH/GIH/VIH hormone | 95.2 | 2.20E-30 | V9QEI7 |
| peptidase-like peptide Lm1 | LQIMDTPCCSNIYNMEGYSYVDESVLCAYRDGVDTCAFDSGGPLMKK | x |   |   |   | 47 | 4 | x |   | 1’078 | venom protease | *Bombus pensylvanicus* | peptidase S1 | 56.7 | 3.70E-02 | Q7M4I3 |
| U3-theritoxin-Lm1 | DECTPLTHDCTHDRHSCCRGPTFKYKCDCLYPFDNSTSAWDQTELCFCVEPGVHHFLDEVMDKTIGIFG | x |   |   |   | 69 | 8 | x |   | 2’214 | purotoxin-2 | *Geolycosa sp.* | spider toxin CSTX | 54.1 | 2.50E-22 | B3EWH0 |
| U3-theritoxin-Lm2 | SECTPLTHDCTDDRHNCCRGPTFKYKCECLHPYINETNTWDEKELCFCVEPGVHHWFDEAVDKAGSFFW | x |   |   |   | 69 | 8 | x |   | 189 | purotoxin-2 | *Geolycosa sp.* | spider toxin CSTX | 46.8 | 1.00E-16 | B3EWH0 |
| U3-theritoxin-Lm3 | DECTPLTHDCTHDRHSCCRGPTFEYRCECLYPFDESTGTWDTKEMCFCIEPGLHHFFDQHLEKA | x |   |   |   | 64 | 8 | x |   | 672 | purotoxin-2 | *Geolycosa sp.* | spider toxin CSTX | 51.6 | 2.00E-19 | B3EWH0 |
| U3-theritoxin-Lm4 | SNECTPLTHDCTDDRHNCCRGPTFKYKCECLHPYINETNTWDEKELCFCVEPGVHHWFDEAVDKAGSFLG | x |   |   |   | 70 | 8 | x |   | 654 | purotoxin-2 | *Geolycosa sp.* | spider toxin CSTX | 45.5 | 7.60E-17 | B3EWH0 |