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1                                     CCCAGCACCGACAGTTCCCTCGT
25  GTCGCCGACAACTGATCAAGTGGAGCTCCGATCTCTTTTGTATTACTATACTCTTGCACTTACTCCAACCTCCAAAGGTTTAAATATATTATCGTTCAA
124 ATGTTTCGGCTGCCAACAGTCTTACGCTCAAGTGGCTTGCGCCAAGTATCTCAGGCCACGAGGTTATGCCAAAGATGTCGGGTTTGGTCCAGAGGTCGGT
1  M F R L P T V L R S V A L R Q V S Q A R G Y A K D V R F G P E V R
223 GCTCTAATGCTCAAGGTTGACATCTTGGCTGCTGACATGCTGTTGCAATGCGTCCCAAAGGCCCAATGTCATTTTGGACAGCTCCGGGTAGC
34  A L M L Q G V D I L A D A V A V T M G P K G R N V I L E Q S W G S
322 CCAAAATTTACTAAGGATGGTGTACAGTTGCTTAAGGGTGTGAGCTTAAAGATAAATCCAAAATATTGGTCTGACTTGTCCAAGATGTTGCCAAT
67  P K I T K D G V T V A K G V E L K D K F Q N I G A R L V Q D V A N
421 AATACCAATGAAGAAGCAGCGACGGTACCACCTACAAGCTACGGCTTTGGCTAGAGCAATTGCTAAAGAGGGCTTTGAAAAATTTCTACTGGAGCCAAC
100 N T N E E A G D G T T T A T V L A R A I A K E G F E K I S T G A N
520 CCTATTGAAGTGGCAAGGTTGTCATGCTAGCTGTTGACGCCATTATCGAGCACCTTAAAGGTCCTTTCCAAGCCAGTTACTACACCTGAAGAAATGCT
133 P I E V R K G V M L A V D A I I E H L K S L S K P V T T P E E I A
619 CAAGTTGCCACTATCTCAGCTAATGGTGACCCTAAATGGAGACCTTATTTCTAATGCTATGAAGAAGGTTGGTAAAGAGGGCTTATCACTGTATAA
166 Q V A T I S A N G D R K I G D L I S N A M K K V G K E G V I T V K
718 GACGGCAAGCATGATGATGAAGTATTGAGGGCATGAAAGTTTGACAGAGGTTTACATTTACCTTACCTCAATACTGCAAAAAGGTTGGC
199 D G K T L H D E L E V I E G M K F D R G Y I S P Y F I N T A K G A
817 AAGGTAGAATTCAGGACTGCTAGTTCTATTTTCAGAAAAGAAAATTCATCAATCCAGTCTATTATTCCTGCTCTGGAACCTGCTAATACACTCCGC
232 K V E F Q D C L V L F S E K K I S S I Q S I I P A L E L A N T L R
918 AAACCTCTGTATTGTTGCTGAGGATGTGGATGGTGAAGCATTAAAGCACACTCGTTGTGAATAGATTGAAAATGGACTTCAGGTGGCTGCTGTTAAA
265 K P L V I Y A E D V D G E A L S T L V V N R L K I G L Q V A A Y K
1015 GCACCTGGTTTTGGTATAACCGCAAGGCAACACTTCAAGACATGGCAGTAGCCACTGGTGGTATAGTGTGGAGATGAAGGCCAACCTGTTAAACTG
298 A P G F G D N R K A T L Q D M A V A T G G I V F G D E G N P V K L
1114 GAAGATATTCAAGGAGCCCTGGTGGTGGTGAATGCCCTTATCACTAAGGATGACACGTTGTTATTGAAAGGCAAGGAAAGGCTGATAT
331 E D I T K E D L G V V G E C L I T K D D T L L L L K G K G K K A G A D I
1213 GATAGAAGGAGTGACCAAATCAGAGATCAAATTTGAAAACACTACTTCCAGAGTATGAGAAAAGAAAAGTTGCAGGAGAGATTAGCACGCTTGGCTCTGTG
364 D R R S D Q I R D Q I E N T T S E Y E K E K L Q E R L A R L A S G
1312 GTTCCCGTGTGGAGTGGTGGTGGATCTAGTGAAGTGGAAAGTAAATGAAAAGAAAGACCGGTGAAATGATGCCCTGTGTGCAACTCGTCTGCTGTGGAA
397 Y A V L R V G G S S E V E V N E K K D R V N D A L C A T R A A V E
1411 GAAGGCATTGTTCCCGTGGTGGCACTGCTCTGTGGCTGCCATCACTAGCCCTTGAATGCTGTCTCTTGTAAACAATGACCAGAAAACCTGGTGTGAA
430 E G I V P G G G T A L L R C I T S L D S L S L A N N D Q K T G V N
1510 ATTGTTCCGAAAGGCTCTGCGTCAAGCTTGCATGCAATAGCCATGAATGCTGGTGGTGGAGGCRTCAGTTATAGTTTCTAAGTTGAGGAAAGGAAAGGTT
463 I V R K A L R Q P C M Q I A M N A G V E A S V I V S K V E E G K G
1809 GATATGGGTTACGATGCAATTAATAATGAATTTGTAACATGATAGAGAAAAGGAATTTGACCCCAAAAAGGCTGTGAGAACTGCATTGACTGATGCT
496 D M G Y D A L N N E F V N M I E K G I I D P T K V V R T A L T D A
1708 GCTGGTGTGATCTCTTTTCAACTGCTGAAGCAAGTAGTTACTGAGTTGCCCAAAGAAAGATTCACTGCTGGTGGAAATGGGCGCATGGGTTGAAATG
529 A G V A S L L T T A E A V V T E L P K E D S P A G G M G G M G G M
1807 GCGCGCATGGGTTGGTATGGGAGGAATGGGTTGGCATGGGAATGTAATCATGCATTCGCCATCTCATGTGCCCCATATCCCATTGTGTCTAAGTTAAT
562 G G M G G M G G M G G M G M *
1906 GGCCATCAGTGACTTACTTATAGCTGGACTGTAAGCGTGCCTATAAGTGCTCTACATGTGTAGTGTATTCAAGACTTGAGGGGCTTCATAGGTGTTTCATCG
2005 TGCCCTGTAACATAAAGTTATTTGCATTTCTTGTTTTAAATGTTACCTGTGTGGTGGAGAGATCAAAGAGATAATTTAGGCTCAATTTAGTATCTTGGC
2104 TGCTAGTCATAAGATCYGGAAAACAGAGCTGGTCTAAACTTATGAACCTTTGTGTGCTTTGAAATTTAYCAGAGCTATTTCCCTTAAAGCTCTCATGT
2203 TTTAGTCAGTCAAATATYTTAACTTTGTTAAAGTGTCCACAGTGTATGGAAAATTTTATGGACCRATTTGGTCTTTGTTGGTGCATTTGCTCTGAA
2302 TTGTTACAGGAGTGTGTTTCTATTCCATAATGTGGTGTTCATTTTCCAGATCTCCCATGAATYTCCTTTTCAACTTGTACATAAATCTGCTACCTT
2401 AGTACATACTAGTAATTCATACCTCTCTGTTAAATTTTGTACTTGTCTGTATTTGTAATACAGAGAGATCAGWYAAAAA

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Appendix C. The complete cDNA sequence and predicted amino acid sequence of *Hsp60* of *F. occidentalis*. All seven typical motifs of the Hsp60 family (Brochieri, 2000) are bold and underlined. The completely conserved glycines that bind to the ATP/ADP cofactor (Brochieri, 2000) is shown in a box. The characteristic conserved GGM repeat for mitochondrial HSP60 at the C terminus (Gupta, 1995) is shown in a grey box. The stop codon is marked with an asterisk.