

Additional file 6. Alignment of partial sequences S100A7 from bats. The abbreviations correspond to the following species: *M. lyra* - *Megaderma lyra*; *R. ferrumequinum* - *Rhinolopus ferrumequinum*; *R. sinicus* - *Rhinolophus sinicus*; *P. parnellii* - *Pteronotus parnellii*; *H. arimiger* - *Hipposideros armiger*; *D. rotundus* - *Desmodus rotundus*. Dots = identity with *M. lucifugus*_A7(1) sequence.

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      10      20      30      40      50      60      70      80      90     100
M. lucifugus A7(1)      ATGAGTCAAACTCAAGTTGAGAAGTCCATGATGGACTTGGTTGCTCCTGTTCCACAAATACACCAAAACCCGATGACAAGATTGACAAGCGGGGCTGCTGA
M. lyra scaffold_104088      .....C.....CT..G...AG...G..CA..TG.T.C.....CA.
M. lyra scaffold_28774      -----
R. ferrumequinum_unplaced_scaf      .....
R. ferrumequinum_unplaced_scaf      .....G.G.....A..A.T..T.....G.GC.....C.G..A.T..GA.....A.G
R. sinicus1_scaffold_74394      .....G.G.....A..A.T..T.....G.GC.....C.G..A.T..GA.....A.G
R. sinicus2_scaffold_74394      -----
P. parnellii_scaffold_8346      .....C..C...GC..C.....G.....G.A..A.C.A..C.....GT..G.....C..C.....C.....
P. parnellii_scaffold_27792      -----
H. armiger_unplaced_scaffold      .....A..A....C.....C..T..G.....T.....C..
H. armiger_unplaced_scaffold      -----
D. rotundus_unplaced_scaffold      .....C..C...G..C.....G.....G.A..A.C.A..C.....GT.....CA.....G..C.....A.
D. rotundus_unplaced_scaffold      -----

      110     120     130     140     150     160     170     180     190     200
M. lucifugus A7(1)      AGATGCTGAGGGAGAATTCCCTATATTCTCAAGCCCTGTGACAAAAGGGCAATGATTTCTTGGACCATATCTTTGAGGAAAGGACAAGAAATAGGA
M. lyra scaffold_104088      ..G.....C.AC.....G.....T..A.G..A...TC..C.....C.....G...
M. lyra scaffold_28774      .....G.....GTA..A...TC..C.....C.....CG...
R. ferrumequinum_unplaced_scaf      .....A...T.....ACAC.....GG...
R. ferrumequinum_unplaced_scaf      .....A...T.....ACAC.....GG...
R. sinicus1_scaffold_74394      .....T.....G...A...TCAGG.G.....C..C.....C.C..
R. sinicus2_scaffold_74394      C.....A.....C.....C.AC.....G.G...
P. parnellii_scaffold_8346      .....A...TC.....C..A.....GG...
P. parnellii_scaffold_27792      ..G.....A.....C.AC.....T.AC.....G.....A.AA..TC.....C.....C.....
H. armiger_unplaced_scaffold      .....A.....C.AC.....T.AC.....AC..T.....A..A...TC.A.....A.G.....G..C...
H. armiger_unplaced_scaffold      .....A.....C.AC.....G.G...
D. rotundus_unplaced_scaffold      .....T.....A...A...TC..G.....A...A.....
D. rotundus_unplaced_scaffold      -----

      210     220     230     240     250     260     270     280     290     300
M. lucifugus A7(1)      TAAGAAGATCGAGTTTTCGAGTTTCTGTCGGTGTGGGAGTCATAGCCACGGACTACCACAATCAGAGCCACGGAACCCCGCTCTGTTCGGTGGAGGA
M. lyra scaffold_104088      .....C.TTG.....G.....CT..G.....G.A..C...A...G...C..T...T...G...
M. lyra scaffold_28774      ..C.....TC.....T.....C...CT..G.A..C.....C.....G.GG...C...T..G...
R. ferrumequinum_unplaced_scaf      .....TC.....C.....C..AC...GAG...T...A..T.....C.....G.GGAA...G.T..G...
R. ferrumequinum_unplaced_scaf      .....TC.....C.....C..AC...GAG...T...A..T.....C.....G.GGAA...G.T..G...
R. sinicus1_scaffold_74394      .....TC.....C.....C..AC...GAG...T...A..T.....C.....G.GGAA...G.T..G...
R. sinicus2_scaffold_74394      .....TC.....C.....C..AC...GAG...T...A..T.....C.....G.GGAA...G.T..G...
P. parnellii_scaffold_8346      .....TC.....T.....C.CT..G...G.A...T...A.....T...T...G...
P. parnellii_scaffold_27792      .....T..T.....CT..AG...G.C...T.....T.T.C.....G.AGA...G...
H. armiger_unplaced_scaffold      .....TC.....T.....CT..G...G.A...A..A.....AA.GTGA.CGC.A...T..G...
H. armiger_unplaced_scaffold      .....TC.....T.....CT..G...G.A...A..A.....AA.GTGA.CGC.A...T..G...
D. rotundus_unplaced_scaffold      -----
D. rotundus_unplaced_scaffold      -----

M. lucifugus A7(1)      ...
M. lyra scaffold_104088      CAC
M. lyra scaffold_28774      ---
R. ferrumequinum_unplaced_scaf      ---
R. ferrumequinum_unplaced_scaf      ---
R. sinicus1_scaffold_74394      ---
R. sinicus2_scaffold_74394      ---
P. parnellii_scaffold_8346      ---
P. parnellii_scaffold_27792      ---
H. armiger_unplaced_scaffold      ---
H. armiger_unplaced_scaffold      ---
D. rotundus_unplaced_scaffold      ---
D. rotundus_unplaced_scaffold      ---

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