

```

M. musculus      MSRQNLVALTVTTLLGVAMGGFVLWKGIQRRWSKTSRVMQQQPQQPQQPQQPQQPQP 60
LmjF34.1240     -----

M. musculus      QPQPEHPQPQQQVPGGREWPPPEDDQLPFGALRAPRASWEERILQAEVVTVSQAEAWNQI 120
LmjF34.1240     -----M 1

                                     3'-5' exoribonuclease domain
M. musculus      QPFLKRELEDFPVLGIDCEWVNLEKASPLSLLQMASPSGFCALVRLPRLIYGGRTLPR 180
LmjF34.1240     MQTLRQQPAHLKIMGMDSEWC---RNLPLAVVQFATSS-HCFVLHIS--FFDGRITLPA 54
                *::: .:::*.** : **:::*.**.* *::: .:::***** :

M. musculus      LLDILADGAILKVGVCSEDANKLLQDYGLIVRGCLDLRYLAMQGNNILCNGLSLKSLA 240
LmjF34.1240     VKEALCDPSI IKCGVGVSGDVSRQKEQNITIQSVLDVAQYSALFGLHQAGSN-LKVLA 113
                : : *.* :*: * ** * *..* : : : :. **: : * : :. ** **

M. musculus      ETILNFPLDKSLLLRCSNWDAENLTEDQVTYAARDAQISVALFLHLLGYPPSRDSYEEES 300
LmjF34.1240     KSVANLSIEKDKMITRSNWELP-LSDSRVNYAAEDALASYLVGRAVMLKASEVTDMSADT 172
                : : *:::*. : : ***: *:::*.***.** * : : : . . . : :

M. musculus      TDQINWQKALERCNMVDI PFRSKGLGRIVEEVN-----GEALESQKPRNRKAK 350
LmjF34.1240     FDAVQWLQRTSSKAAMELKQLRETSKSEAERKKACPASKISGGDALLAQRSGTKVRV 232
                * :*: : . * : : : .*: : *:** :*::. :

M. musculus      TDR--MVPGNNGRDRPKHKRKLPGVGYSAKSPLYDNCFLQAPDGQPLCTCDRRKAQW 407
LmjF34.1240     LDRNGNFIPECSSGRGKfyVMEKNLAVITKHAKSDPRKALEIQLLFDP---KVKVRI 288
                ** : : .***. .* ** . ** . :* . : :

CCCH motif (Lm)
M. musculus      YLDKGIGELVSKPEFVVRLVQFEPAGRPESPGDYILMVKENLCVCGKTDITYIRKNIIPHE 467
LmjF34.1240     YQALGFCELQDQCPFAH----GASELQADAAALVDSQIPSCACCLGTGKLLRHAIITPPS 343
                * * : * * : * . *.. : . : : * . * * . : * * *

M. musculus      YRKHFPIEMKDHNSHDVLLLLCTSCH-AISNYYDNLKQQLAKEFQAP----IGSEBGLR 521
LmjF34.1240     FRKFMPPPQRQALDDDYLPVCKQCNSTLRLYYDEEMKRCYTQAEESSTMVCDVKVAAKCT 403
                :*:* * : : .* * :*.* : : ***:.*: : : : :

M. musculus      LLEDLERRQVRSGARALLNAESLPAHRKEELLHALREFYNTDITTEMLHEAASLETRIY 581
LmjF34.1240     LYARLLLDADKLAKIPANRREELQQFVKQNWKSTLFEFNSGFEIHEPVVREAAFLERLG 463
                * * : . . . * . * : : * * : * : . * : . * : *

M. musculus      NESYIPHGLKVVRHQHTEGG-LRSLMQLESRWRQHLLDSIQPKHLPPQWSVDHNHQKLLRK 640
LmjF34.1240     KIVPGDMRAKVTMAVLVGDDEEKAAQFNKRWRDYCFSTCGLMEKKSNNHMSYNAWKAYRAH 523
                : * . * . . *::.***: : : . : : : :

M. musculus      YGDDLPIKLS----- 650
LmjF34.1240     NGEPAQADDEEDGTPQ 538
                * : . . .
    
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Figure S3 Alignment of LmjF34.1240 with the 3'-5' exoribonucleases of *M. musculus* (BAE27515). The 3'-5' exoribonuclease domain is shadowed in grey. The CCCH motif of the Leishmania protein is framed in red and colour-coded as in Figure 1.