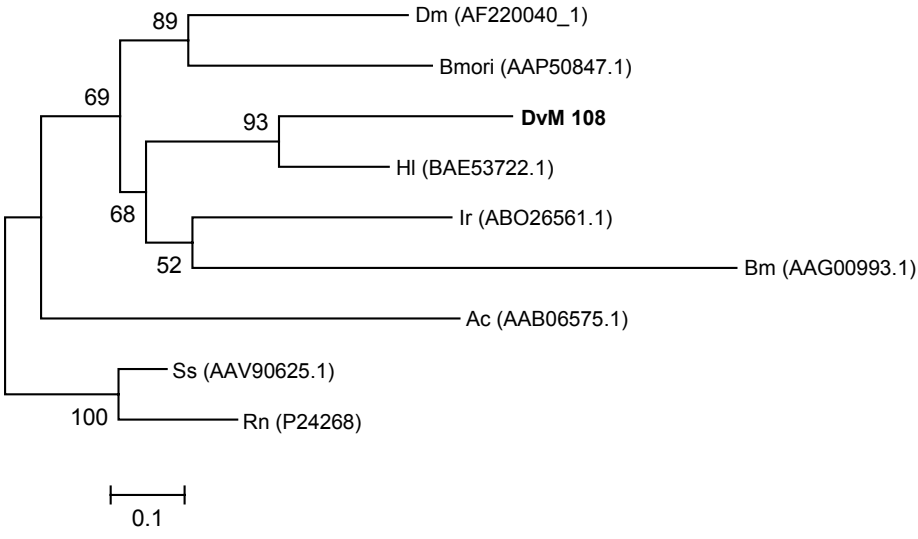
A



B

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                                 190       200       210       220       230       240
                         ....|....|....|....|....|....|....|....|....|....|....|....|
DvM 108                  -AGGQVGVKGQTFAEITDEDSESFVVAKEDGVLGLGYPQAAVLGVQPVFDSMLEQG-VAE
Hl (BAE53722.1)          ---GDIRLQGQTFAEILRESGLAFIAAKEDGILGLGYPQISVLNVPPVFDNMVAQG-VAP
Ir (ABO26561.1)          ---GSAKVSGQPLGEALVVGGESLLEAPEDGILGLAYPSIAVDGVVPVFDNMMKQGLLGE
Bm (AAG00993.1)          VGVGPATVTQYKFAEMDHSDGKLFRNAKVDGIFGLAFPSISQNNQLPLFDAMVKQG-VVR
Dm (AAF23824.1)          ---AGLDIKDQTFAEALSEPGLVFVAAKEDGILGLGYNSISVDKVKPFFYAMYEQG-LIS
Bm (AAP50847.1)          ---GGLKVRRQTFAEAVSEPGLAFVAAKEDGILGMAFSTIAVDHVTPVFDNMVAQG-LV-
Ss (AAV90625.1)          LGVGGIKVERQTFGEATKQPGLTFIAAKEDGILGMAYPRISVNNVVPVFDNLMQQK-LVD
Rn (P24268)              -DLGGIKVEKQIFGEATKQPGVVFIAAKEDGILGMGYPFISVNKVLPVFDNLMKQK-LVE
Ac (AAB06575.1)          VCIAGICAEEQPFAEATSEPGLTFIAAKEDGILGITFPEISVLGVPPVFHTFIEQK-KVP

                                 250       260       270       280       290       300
                         ....|....|♦...|....|....|....|..♦.|....|....|....|....|....|
DvM 108                  KPVFAFYLDRNVADPNGGEVVFGGIDEAHYKGDITYLPVTKKGYWQFNMDGVSVADKAT-
Hl (BAE53722.1)          KPVFSVYLDRNASDPNGGEVLFGGIDEAHYTGNITYVPVTRKGYWQFHMNGVKVGDNAT-
Ir (ABO26561.1)          QNVFSVYLNRDPSSKEGGEVLFGGIDHDHYKGSITYVPVTAKGYWQFHVDGVKSVSASKS
Bm (AAG00993.1)          QAVFSLYLSKQPSEQNGGEIYFGGINAQRYTGAIHYVPVSQAAHWQVVMDNINVQGTTL-
Dm (AAF23824.1)          APVFSFYLNRDPASPEGGEIIFGGSDPNHYTGEFTYLPVTRKAYWQIKMDAASIG-DLQ-
Bm (AAP50847.1)          QPVFSFYLNRDPGATTGGELLLGGSDPAHYRGDLVRVPLLRDTYWEFHMDSVNVN-ASR-
Ss (AAV90625.1)          KNIFSFYLNRDPGAQPGGELMLGGIDSKYYKGSLDYHNVTRKAYWQIHMDQVAVGSSLT-
Rn (P24268)              KNIFSFYLNRDPTGQPGGELMLGGTDSRYYHGELSYLNVTRKAYWQVHMDQLEVGSELT-
Ac (AAB06575.1)          SPVFALWLNRNPDSELGGEITLGGMDTRRYVEPITWTPVTRRGYWQFKMDKVQGGSTSIA

                                 310       320       330       340       350       360
                         ....|....|....▼▼▼..|....|....|....|....|....|....|....|....|
DvM 108                  ----FCEGGCAAVADTGTSMLVAPSEDVKKINKLLGAKEASPGQYLVDCESLPSLPKITF
Hl (BAE53722.1)          ----FCNGGCAAIADTGTSLIAGPTEEIHKLNVAIGAAPFMAGEYIVSCKSIPTLPKINF
Ir (ABO26561.1)          APELLCKDGCEAIADTGTSLITGPPEEVDSLNQYLGGTKTEGGQYLLDCDKLESLPNVTF
Bm (AAG00993.1)          -----CVGGCPTVVDSGTSFLSGPSADVETLNRVIGATKTAAGYFEVNCATISSLPPITF
Dm (AAF23824.1)          ----LCKGGCQVIADTGTSLIAAPLEEATSINQKIGGTPIIGGQYVVSCDLIPQLPVIKF
Bm (AAP50847.1)          ----FCAQGCSAIADTGTSLIAGPSKEVEALNAAVGATAIAFGQYAVDCSLIPHLPRVTF
Ss (AAV90625.1)          ----LCKGGCEAIVDTGTSLIVGPVEEVRELQKAIGAVPLIQGEYMIPCEKVPSLPDVTV
Rn (P24268)              ----LCKGGCEAIVDTGTSLLVGPVDEVKELQKAIGAVPLIQGEYMIPCEKVSSLPIITF
Ac (AAB06575.1)          CP--NEFSGCQAIADTGTSLIAGPKAQSRASRNSLVLEPTYEGEYMIPCDKVPFPPRLSF

                                 370       380       390       400       410       420
                         ....|....|....|....|....|....|....|....|....|....|....|....|
DvM 108                  HLNKREFVLSPDDYVLKVTQE-GTTFCLSGFIPMDFPPEMGPLWILGDMFIGRYYTIFDR
Hl (BAE53722.1)          NLNGNEFVLEGKDYVLQVSQA-GIPLCLSGFIGLDVPAPLGPLWILGDVFIGRYYTIFDR
Ir (ABO26561.1)          TISGKEFSLRSKDYVLKVNQQ-GQTLCVSGFMSLEMP---QPLWIFGDVFLGPYYPIFDR
Bm (AAG00993.1)          NLNGKSPFLQGEAYTIRIPLTTGGEQCFTRISESDASG--TNLWILGAVFTQTYYTVFDR
Dm (AAF23824.1)          VLGGKTFELEGKDYILRVAQM-GKTICLSGFMGLDIPPPNGPLWILGDVFIGKYYTEFDM
Bm (AAP50847.1)          TIAGNDFTLEGNDYVLRVAQM-GHTVCLSGFMALDVPKPMGPLWILGDVFIGKYYTEFDA
Ss (AAV90625.1)          TLGGKKYKLSSENYTLKVSQA-GQTICLSGFMGMDIPPPGGPLWILGDVFIGRYYTVFDR
Rn (P24268)              KLGGQNYELHPEKYILKVSQA-GKTICLSGFMGMDIPPPSGPLWILGDVFIGCYYTVFDR
Ac (AAB06575.1)          VIEARTFTLKGEDYVLTVKAG-GKSICLSGFMGMDFPERIGELWILGDVFIGKYYTVFDV

                                 430
                         ....|....|...
DvM 108                  GNDRVGFAEAR--
Hl (BAE53722.1)          GNDRVGFAESR--
Ir (ABO26561.1)          DQDRVGFAEVA--
Bm (AAG00993.1)          AQNRVGFATAV--
Dm (AAF23824.1)          GNDRVGFADAK--
Bm (AAP50847.1)          GNPPASGSPPAV-
Ss (AAV90625.1)          DLNRVGLAEAATL
Rn (P24268)              EYNRVGFAKAATL
Ac (AAB06575.1)          GQARLGFAQAKSE
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