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Results for job muscle-I20210513-155537-0404-34660256-p2m

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CLUSTAL multiple sequence alignment by MUSCLE (3.8)

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E.coli                -MKRQKRDRLER-----AHQRGYQAGIAGRSKEMCPYQTLN-QRSQWLGG-----
SEA_GALADRIEL_17     -MSAHDRT-AEQPLPHEATQHAYREGMQARPGAANPYAGVRLASVWAAGRDWAKRRAF
SEA_FOSTEROUS_13     -MSAHDRT-AEQPLPHEATQHAYREGMQARPGAANPYAGVRLASVWAAGRDWAKRRAF
SEA_SANJUJU_14       -MSAHDRT-AEQPLPHEATQHAYREGMRARPGAANPYAGVRLASVWAAGRDWAKRRAF
Fitzgerald_gp14     -MSAHDRT-AEQPLPHEATQHAYREGMRARPGAANPYAGVRLASVWAAGRDWAKRRAF
SEA_ANGELICAGE_16    -MSAHDRT-AEQPLPHEATQAYREGMRARPGAANPYAGVRLGSVWAAGRDWAKRRAF
Brandonk123_gp18     -MSAHDRT-AEQPLPHEATQAYREGMQARPGAANPYAGVRLASVWAAGRDWAKRRAF
Vivi2_gp15           -MSAHDRT-AEQPLPHEATQAYREGMRARPGAANPYAGVRLASVWAAGRDWAKRRAF
Ashertheman_gp16    -MSAHDRM-SEQPLPHEQTQAYREGMQAEVGSANPYAGVRLASVWAAGRDWQRRQAF
JKSyngboy_gp15      -MSAHDRM-SEQPLPHEQTQAYRDGMHAEVGSANPYAGMRVLASVWAAGRDWQRRQAF
Ribeye_gp17          -MTAHDRM-SEQPLPHEDTQTAYRDGMHAEVGTANPYAGVRLASVWAAGRDWSRRRQF
Kroos_gp16           -MTAHDRM-SEQPLPHEDTQTAYRDGMHAEVGTANPYAGRRVLASVWAAGRDWSRRRQF
YorkOnyx_gp16        -MTAHDRM-SEQPLPHEDTQTAYRDGMHAEVGTANPYAGRRVLASVWAAGRDWARRRQF
[G.aichiensis]      -MTRRGRG-FGSPLPTPAEAVEAYRSGQTARVGSANPFAGRRVLGVLWWRGYREASEVRR
[G.jacobaea]         -----MPTDEARRALAEGRASRPGAGNPYADTRVLGQVWAIKSGDCPAGV
[G.insulae]          MVTPRERDRRSQLLPTAEAAKPAYLEGLSSRPAAANPYAGKRVLLSMWAFGNHEARRIAW
[G.westfalica]       -MTNAERDRWLQPLPTPAEALVYREGQSRPGAGNPYAGRRVLGGIWTGNREAFREY
Zitch_gp18           MTTTRREQARRAQMPMTAAEALAVLAEGRASRPGAGNPYAGRRVLGGVWALGNRQATREKF
Zipp_gp17            MTTTRREQARRAQMPMTAAEAVLAEGRASRPGAGNPYAGRRVLGGVWALGNRESAAASW
EMoore_gp11          -MIPRDQ----QPMPPTPAEAEIAYKAGQVSRPGAGNPYAGRRVLGSVWALGNREAQRAAY
Phinally_gp16        -MIPRDQ----QPMPPTPAEAEIAYKAGQVSRPGAGNPYAGRRVLGSVWALGNREAQRVAY
Melbins_gp17         -MIPRDQ----QPMPPTPAEAEIAYKAGQVSRPGAGNPYAGRRVLGSVWALGNREAQRVAY
Dexdert_gp17         MTTQRELDRRAQMPMTAAEAVAAAYRAGQSRPGAGNPFAGRRVLGSVWARGNREAAARVAL
GTE6_gp17           MTTQRELDRRAQMPMTAAEAVAAAYREGQSRPGAGNPYAGRRVLGSVWARGNREAAARVAF
SEA_ROADKILL_14     MTTQRELDRRAQMPMTAAEAVTAYREGQSRPGAGNPYAGRRVLGSVWARGNREAAARVAF
tiamoceli_gp17      MTTQRELDRRAQMPMTAAEAVTAYREGQSRPGAGNPYAGRRVLGSVWARGNREAAARVAF

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E.coli                --WREAMADRVVMA-----
SEA_GALADRIEL_17     ADLQRRESERRRAQ-----
SEA_FOSTEROUS_13     AELQRRESERRRAQ-----
SEA_SANJUJU_14       AELQRRESERRRAQ-----
Fitzgerald_gp14     AELQRRESERRRAQ-----
SEA_ANGELICAGE_16    AELQRRESERRRAQ-----
Brandonk123_gp18     AELQRRESERRRAQ-----
Vivi2_gp15           AELQRRESERRRAQ-----
Ashertheman_gp16    ADLQGRESARRRNA-----
JKSyngboy_gp15      ADLQGRESARRRTQ-----
Ribeye_gp17          ADLQAREAARRRNA-----
Kroos_gp16           ADLQARETRRRRVQ-----
YorkOnyx_gp16        ADLQARERRRRVQ-----
[G.aichiensis]      VEFAAREAERRRQAHTVEVDDRP-----
[G.jacobaea]         RRVSPYSGS-----
[G.insulae]          REFQQREAEARRRRGFSGRADDENRPSA
[G.westfalica]       DAWQLREAERRRQAHVAEAEAGDD-----
Zitch_gp18           -----AARRAGQ-----
Zipp_gp17            AAKRKP GHAPS-----
EMoore_gp11          NEFRRRREAAARSE-----
Phinally_gp16        TEMRKREAAARRE-----
Melbins_gp17         TEMRKREAAARRE-----
Dexdert_gp17         RDWRRRAAARRAD-----
GTE6_gp17           RDWRRRAAARRAE-----
SEA_ROADKILL_14     RDWRRRAAARRAE-----
tiamoceli_gp17      RDWRRRAAARRAE-----

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