

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180

AFS48343.1_DmdA IAKSARVRS TPFTQR IE EYGVQAY TVYNNHMLLPASFVVDCCNHLKNHVQIWDVSV ERQVQIEGPDADYL TQLITC RDLSQAKDHICY YAPVVDQ GKILNDPLVMKVKNPTWVVS IADTDVLLYAKGIAIGKNLNDVNI TEPNVNPLAVQGGPKSFE LMKRVFGNLKFFNF KRYAFNNHEFLI
AAZ21068.1_DmdA IAKSRRLRSTPFTSR IEKAGGV TAYTYNNHMLLPAAFI EDSYKHLKEHVQIWDVAA ERQVEISGKDSAE LVQLMTC RDLSKSKIGRCY YCPIIDENGNLVNDPVVLKLDENKWWI S IADSDVIFFAKGLASGHKFDVKEI VEPVVDIMAIQGGPKSFA LMEKVFGE LKFFGFDFYDFEGTKHLI
ASJ73090.1_DmdA IFTFSRRLRSTPFTDR I EAGGASQSF TVYNNHTLLPAAFLEGDYWHLVEHVQVWDVSCERQVQLKGPDAEMLVQLMTPRDL SKAQPDQCFY YVICDERGHILNDPIAIKVDDD TWVLSLADSDIYLWAKGLALGKGLDVEI RADVWP IAVQGGKAE TLMARVFGSIRFFRYKRYLAFNGHAFIV
WP_047029467.1_DmdA LLSISRTRRTPFTDRV I TAAGASQSF TVYNNRMLLP TVFVEEDYHHLKTA VQVWDVACERQVEIRGPQAAELVQMLTPRDLSEMVVQC L YTPMVDE TGGMLNDPVTVKLEEDRYWV S IADSDLLLWVKALAVGFR LAVDVI EPDVSPLAIQGGP R ADDL AARVFGSIRFFRYKRLAFNGVDLVV
ADE38317.1_DmdA LNMSRRI RRSPTFDKVEEYGV RGF SVNNHMLLPKAFVEDDYWHLREHVQIWDVGVQRQVQITGLDAARLVQMMTPRDRVQAKIGQCL YVPMIDEDAGMLNDPVLIKLADDKFWLS IADSDILLWVKGLALGLKLVNDVEEPDVSPLAIQGGPKAIALMADLFGDLGYFQYGFIDVLGTRQLI
ABV94056.1_DmdA LSLARRLRRTPFSEGV EAGV RAY TVYNNHMLLP TVFVEEDYHHLKQKVQVWDVSCERQVELRGPDAGKLMQLLTPRDLRGLM PGQCL YVPMVDE TGGMLNDPVALKLESDRFWIS IADSDLLLWVKALANARQLEVLVEEPDVSPLAVQGGP R ADDLVERVFGSLRFRFRFGFFQFQGHDLVV
ABD55296.1_DmdA ISPSRRLRRTPFSDGVEASGVKAYTYNNRMLLP TLFVEEDYHHLKSAVQLWDVSV ERQVEVRGPDAGRLVQMLTPRDLRGLM PGQCY YMPVVD E TGGMLNDPVVLKLAEDRWWI S IADSDLLLWVKGVAQGYRLDVLVDEPDVSPLAVQGGPKADELMARVFGDVRFRFRGWFDFQGHDMV
AHM05061.1_DmdA LLSLRRLRRTPTFTEGVLAAGVGTGYTVYNNHMLLP TVFVEEDYHHLKSAVQVWDVSCQRQVEVRGPDAGRLVQMLTPRDLRGLM PGQCY YMPIVDE TGGMLNDPVVVKLTEDRWWI S IADSDLLYVVKGIAYGYRLDVLVDEPDVSPLAVQGGP R ADDLMAE VFGDLRFRFRFGLFGFGGRQLVV
AFS46782.1_DmdA IAKSRRLRSTPFTSR IEKAGGV TAYTYNNHMLLPAAFLEESCDHLKQDVQVWDVAA ERQVEIVGKDAAKLVQLMTC RDLSISKIGRCY YCPIIDENGMVNDPVILKLDENRFWIS IADSDVIFFAKGLAHGHKFDVNI FEPNVDI IAVQGGPKSFA LMEKIFGDLKFFGFDFYDFEGTKHLI
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AGI72139.1_DmdA ISGSRRI RRTAFSDGVEAAGV KGY TVYNNHMLL P TIFIVEDYHHLKSAVQVWDVA ERQVEIRGPDAGRLMQMLTPRDLRAMLPGM CY YVPMVDE TGGMLNDPVAVKISEDRYWV S IADSDLLFWIKGLAYGLRLDVLVDEPDVSPLAIQGGPKADELAARVFGDLKFFRYGHFDFQGHDMIV
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AAV95190.1_DmdA IFPSRVRRTPF SAGVEAAGV KGY TVYNNHMLL P TVFLQADCAHLKEHVQVWDVACERQVSIQGPDAARLMKLI SPRDMDRMADDQCY YVPTVDHRGGMLNDPVAVKLAADHYWLSLADGDL LQFGLGIAIARGF DVEI VEPDVSPLAVQGGP R ADDL MARVFGD I RFFRYKRLAFQGV ELVV
ABF64177.1_DmdA ISLSRRLRRTPFSEGV EAGV KGY TVYNNHMLL P TVFVEADYHHLKRHVQVWDVACERQVELRGPDAGRLMQMLTPRDLRGMMPGQCY YVPIVDE TGGMLNDPVAVKLAEDRWWI S IADSDLLYVVKGIANGWRLDVLVDEPDVSPLAVQGGPKAEDLMARVFGA I RFFRFGVYQFEGRDLVV
WP_048536000.1_DmdA ISPSRRLRRTPFSEGV EAGV KAY TYNNHMLL P TVFMQEDYRHLKEAVQVWDVACERQVELRGPDASRLMQMLTPRDLRSMLPGQCY YVPIVDE TGGMLNDPVAVKLAEDRWWI S IADSDLLYVVKGLAYGYRLDVLVDEPDVSPLAVQGGPKSDDLMAAVFGD I RFFRYKVLDFQGRDLVV
WP_049834197.1_DmdA IAGSRRI RRTPFSDGVEASGV KGY TVYNNHMLL P TVFVEEDYHHLKSAVQVWDVSV ERQVEIRGPDAAKLMQMLTPRDLRGLM PGM CY YVPMVDE TGGMLNDPVAVMI TDDRYWV S IADSDLLFWVKGLAYGLRLDVLVDEPDVSPLAIQGGPKADELAARVFGDLKFFRYGWFDFQGGQMLV
WP_065273401.1_DmdA ISPSRRLRRTPF S QGVEEAGV RAY TVYNNHMLL P TVFVEADYHHLKNHVQVWDVACERQVELRGPDAGRLMQMLTPRDLRGM TAGQCFY YVPIVDE TGGMLNDPVAVKLAEDRWWI S IADSDLLYVVKGIANGWRLDVLVDEPDVSPLAVQGGPKAEELMVRVFGN I RFFRFGVYQFQGHDLVI
WP_076627280.1_DmdA ISPSRRLRRTPFSDGVEAAGV KAYTYNNRMLLP TVFVEADYRHLKDHVQVWDVSV ERQVELRGPDAGRLMQMLTPRDLRRMLPGQCY YVPIVDE TGGMLNDPVAVKLESDRWWI S IADSDLLLWVKGIANGYRLDVLVDEPDVSPLAIQGGPKAEELVSRVFGD I RFFRFD MFQFEGYDLAI

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AFS48343.1_DmdA ARSGWSKQGGFEIYVDHDDIGVQLYDQLLREGKDLGARPGCPNLIERIESGLLSYGNMDMNDNTPLECGLDADFVSFNPDYLGKEVLKKKQQQVSRSLGIMMDSVTQHLPI NGEQIGTLRSACYS P DFGKCLGIMIDKTH TLDQDLKLI SAKMTN
AAZ21068.1_DmdA ARSGWSKQGGFEIYVEN TQSGQKLYDHLLEFVKGKEFN VGP GCPNLIERIESALLSYGNDFDNDNPFECGFDQYVSLDSDLGKEKLEIKLKPQKLGVKIDSLTGSKN IENNVIGELRSACYS PHFQKIGIMIKKSHEASQGFKIQINGNVCD
ASJ73090.1_DmdA ARSGWSGQGGFEIYIDDAELGQELWDEL FVVGADLNVGHGCPNNIERMETGLLSFGSDMDYSHTP LQCGLDRYCQLD TDSMSIAALREQRAQPTRLVGIVAPAASKYCQLADGPVGDITSQSLSGRYDAWIAFLIDRLKNESVKLQLLHDARYSE
WP_047029467.1_DmdA ARSGYSKQGGFEIYVEGGQNGEPLWDALFEAGRDLDVRAGCPNLIERIEAGMLSYGNDMTRANTPHECGLGRFC DTRSACVGRDALLRVAREPLKQIYLEIEPCPEPMMVAGGLVQITSAWS P DFN TNVAIMIGRDCDEGTVVDVARSARVRD
ADE38317.1_DmdA ARSGYSKQGGFEIYLHGGLGSDLWDM IYQAGKQYNI MPGCPNLIERIEGGLMSYGNEFTRDNNPLECGFEELCYFGDDYIGKIALRRIAEEPQKLGIFKFGPCGKPLVTRDHIGQITSGIYSPRLKCNVGMMAKGHDFGT VVFVHREGTVSP
ABV94056.1_DmdA ARSGYSRQGGFEIYVEGSDLGMPLWHALFEAGADLDVRAGCPNGIERVEGGLLSYGNDMTRANTPHECGLERFCNVQ TACLGRDALLRVSM DPNRQIP I EIVCDRAWRLAGDHVQVTSAAWS P DFD TNVAIMVRMTHDPDTELMVERPARVQE
ABD55296.1_DmdA ARSGYSKQGGFEIYVEGGDLGMPLWNLMEAGRDLDVHAGCPNLIERIEGGLLSYGNDMTDDNTPHECGLGRFCNTATACIGRDALLRVAKEPVQVAIAIDSCDRAWPLAGKRVQLTSAAYS P DYSEGVAIMVRMTHDPGTQLHVQMPAEVRE
AHM05061.1_DmdA ARSGYSKQGGFEIYLEGGDLGMPLWSALIEAGRALDVRAGCPNLIERIESGLLSYGNDMTDDNTPHECGLGRFCNTATACIGRDALLRVAKEPVQIPLAMSAVEEFWPVAGHKVGRVSSAAFS P DFGVNVSIMIRMTHDAGATLVMREAVVKE
AFS46782.1_DmdA ARSGWSKQGGFEIYVEN TSSGVQLYDKLFE E GKDLNVKAGCPNLIERIESGLLSYGNDFDNDNPFECGF EKYVNL DNNFLGKEKLDIKSKIERKLGVILDSITKSLDIENEKIGDLRSACFS PHFKKVI GIMISEPFKASQTVYLN VSGKVCD
AHD01041.1_DmdA ARSGWSKQGGFEIYVEGADLGMPLWDALFEAGEDMHVRAGCPNTIERIESGLLSYGNDMTRENTPYECGLGKFCNSPEDYIGKAALAEQAANPARQIPLVISPCLDAWPLADGQVGVGSAIFS P EFGVNAAIMVDQSHAPGTVMEVDLPATVQD
AGI68776.1_DmdA ARSGYSRQGGFEVYVEGSHLGMPLWNLMEAGKDLDVHAGCPNVIERIEGGLLSYGNDMNRDNTPHEAGLGRFCS TQTACVGRDALLRVSKEPVKQVALRIEPCDRGWPLDGQQVGTITSAVWS P DFE TNVAIMVRMTHDP TTDLDVVFPTVVQE
AGI72139.1_DmdA ARSGYSRQGGFEVYVEGSHLGMPLWNLMEAGKDLDVHAGCPNLIERIEGGLLSYGNDMNRDNTPHEAGLGRFCS TQTACVGRDALLRVAKEPVQVALRIEPCDRGWPLDGQQVGTVTSATWS P DFE TNVAIMVRMTHDPA TDL D VVFPAVVQE
ABG31871.1_DmdA ARSGYSKQGGFEVYVEGSIAMPLWDALFEKAGEDLNVRAGCPNGIERIEGGLLSYGNDMTDDNTPHECGLGRFC D TQTACIGRDALLRVAKEPVQIAIAIELCDRAWGLAGDRVQVTSAAWS P DHH TNVAIMVRMTHDGTGLRVRERATVQA
AEI94210.1_DmdA ARSGYSKQGGFEVYVEGADIAMPLWDALFKAGEDLNVRAGCPNGIERIEGGLLSYGNDMTDDNTPHECGLGRFC D TQTACIGRDALLRVAKEPVQIAIAVELCDRAWGLAGDRVQVLSAAWS P DHQ TNVAIMVRMTHDGTGLRVEREATVQA
AAV95190.1_DmdA ARSGWSKQGGFEIYVEGSELGMPLWNLFAAGADLNVRAGCPNNIERVESGLLSYGNDMTRENTPYECGLGKFCNSPEDYIGKAALAEQAANPARQIALVIGPCQDAWPLADGQVGVGSAIHS P EFGVNVAIMVDRSHAPGTGMEVERPVTVRE
ABF64177.1_DmdA ARSGYSKQGGFEIYVEGGDLGMPLWNLFEAGADLEVRAGCPNLIERIESGLLSYGNDMTDDNTPHECGLGRFCNTH TACIGRDALLRVAKEPVQIPIEISP CDQFWPLANGRVGRVSSATWS P DHA TNVAIMVKMTHDAGTQLEVERTALVRE
WP_048536000.1_DmdA ARSGYSKQGGFEIYVEGSDIGMPLWHALMEAGRSLDVHAGCPNGIERVEGGLLSYGNDMTDDNTPHECGLGKFCNTQTACIGRDALLRVAVEPVKQIP I AMGGCDRFPW IAGDIVGRVSSAAWS P DFD TNVAIMIRMTHDPGTEVTVVERPATVKD
WP_049834197.1_DmdA ARSGYSKQGGFEVYVEGTDNGMPLWNLMEAGKDLDVYAGCPNLIERIEGGLLSYGNDMNRDNTPHEAGLGRFCS TQTACVGRDALLRVSKEPVKQVALRIEPCDRGWPLDGQQVIVTSSAAWS P DFE TNVAIMVRMTHDPTVTVVFPATVQE
WP_065273401.1_DmdA ARSGYSKQGGFEIYVEGSEFGMPLWRKLF EAGEDLQVRAGCPNLIERIEGGLLSYGNDMTDDNTPHECGLGRFCNTH TACIGRDALLRVAKEPVQIPIAIDPC TQFWP VAGGPAGRIS SAAWS P DFR TNVAIMIRMTHDAGSRLEVERTATVRE
WP_076627280.1_DmdA ARSGYSKQGGFEIYVPDSAIGMPLWNLFDAGEDLQVRAGCPNGIERIEGGLMSYGNDMTDDNTPHECGLGRFC D TQTACIGRDALLRVSKEPVQIPIA IHTCDRPWPLAGGRVQITSAAWS P DFK TNV SIMVRMTHDPGTDL E VERRATVQK