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X bZip

Dpse	ML MHE KL MS GQF FN DL KT DRKPL L HHHHHH QY HNH H HH H QQSS PQQT HH H	50
Dper	ML MHE KL MS GQF FN DL KT DRKPL L HHHHHH QY QNH H HH QQSS PQQT HH H	50
Dmel	ML MHE KL MA GQF F- DL KT DRKPL MHHH QY QHH QQQPL HH L PHS- - - - - - -	42
Dsec	ML MHE KL MA GQF F- DL KT DRKPL MHHH QY QHH QQQPL HH L PHS- - - - - - -	42
Dyak	ML MHE KL MA GQF F- DL KT DRKPL MHHH QY QHH QQQPL HH L PHS- - - - - - -	42
Dere	ML MHE KL MA GQF F- DL KT DRKPL MHHH QY QHH QQQPL HH L PHS- - - - - - -	42
Dana	ML MHE KL MA GQF F- DL KT DRKP MMHHH QY QPQQ H HQ HH HQL Q- - - - - - -	42
Dwil	ML MHE KL MA GQF F- DL KT ERKPL L L HQQ HHHH HHQQQQHL QQQ- - - - - - -	42
Dgri	ML MHE KL I S GQF F- DL KT DRKPL L HHHHHHHHQQQQQ- - - - - - - - - - - Q	38
Dvir	ML MHE KL L T GQF F- DL KT DRKPL L HHHHHHHHL QQYQL P HSQL - QQPHHL	48
Dmoj	ML MHE KL L A GQF F- DL KT DRKPL L HHHHH S HHL QQYQL P HS- - - - QL QQS	45

Dpse	HQQHQQQQHL QQ QHL HL QHSQL QQQS L A L PKMDL YT A YA YQQQL L GAAL S	100
Dper	HQQHQQQQHL QQ QHL HL QHSQL QQQS L A L PKMDL YT A YA YQQQL L GAAL S	100
Dmel	- - - - - - - - - - - - - - - - QL PV QGS L GL PKMDL YT A YA YQQQL L GAAL S	73
Dsec	- - - - - - - - - - - - - - - - QL PV QGS L GL PKMDL YT A YA YQQQL L GAAL S	73
Dyak	- - - - - - - - - - - - - - - - QL PV QGS L GL PKMDL YT A YA YQQQL L GAAL S	73
Dere	- - - - - - - - - - - - - - - - QL PV QGS L GL PKMDL YT A YA YQQQL L GAAL S	73
Dana	- - - - - - - - - - - - QQPL HH HQL PA PGQL QPQPA S L A L PKMDL YA	73
Dwil	- - - - - - - - QQHHHL QQQQHQPHL QL PQNHL DL YA A YA YQQQL L GAAL S	82
Dgri	QQQQQYQL QQ QQHHL HQH QQQQQQQQHL S L PKMDL YA A YA YQQQL L S - - - -	84
Dvir	HQHQQQHQQQQQQ QQQQ QQQQQQQPS HL T L PKMDL YA A YA YQQQL L S - - - -	94
Dmoj	HHL HHHQQQQ QHHQQQ QQQQQQQAS HL T L PKMDL YA A YA YQQQL L GSAA A	95

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X bZip

Dpse	QQQQQQQQQQHQQQLQQATVGGAASAEVLDLSRRCDSVETPRKTPSPYQTN	150
Dper	QQQQQQQQQQHQQQLQQATVGGAASAEVLDLSRRCDSVETPRKTPSPYQTN	150
Dmel	QQQQQQQQQQ--QQHQQLQQQHTSSAEVLDLSRRCDSVETPRKTPSPYQTS	121
Dsec	QQQQQHQQQ--QQHQQLQQQQTSSAEVLDLSRRCDSVETPRKTPSPYQTS	121
Dyak	QQQQQQQQQQHQQMQQQQQQQTSSAEVLDLSRRCDSVETPRKTPSPYQTS	123
Dere	QQQQQQQQQ--HQQLQQQQQSSSAEVLDLSRRCDSVETPRKTPSPYQTS	120
Dana	AYAYQQQLLQLQQQQQQQQQAAPSAEVLDLSRRCDSVETPRKTPSPYQTS	123
Dwil	QQQQQQQQQQ---------QQQPAASAEVLDLSRRCDSVETSRKTPSPYQTN	124
Dgri	-------LSQQQQQQQQQQSVAAVAEVLDLSRRCDSVETPRKTPSPYQTN	127
Dvir	-------LSQQQQQQQQQPVAVAAEVLDLSRRCDSVETPRKTPSPYQTN	137
Dmoj	A-AALSQQQQQQQQQQQQQSIAAAAEVLDLSRRCDSVETPRKTPSPYQTN	144

Dpse	YSYGSGSPSTSPTATGSV-SGSGSGS--IPSSLLYSVQQQQQQLASLYPA	197
Dper	YSYGSGSPSTSPTATGSV-SGSGSGSGSIPSSLLYSVQQQQQQLASLYPA	199
Dmel	YSYGSGSPSASPTSN----LLYAAQMQQQQHQQQQQQQQQQQLASLYPA	167
Dsec	YSYGSGSPSASPTSS----LLYAAQMQQQQNQQQQQQQQQ---LASLYPA	164
Dyak	YSYGSGSPSASPTSN----LLYAAQMQQQQQQHQQQQQQQ--QLASLYPA	167
Dere	YSYGSGSPSASPTSN----LLYAAQMQQQQQQHQQQQHQQ--LASLYPA	163
Dana	FSYGSGSPSASPTSN----LLYVQQQQQQQ-----QQQQQ--LASLYPA	161
Dwil	FSYGSGSPSGSPSNLMY-------------AAQQQQQQPLSSLYPA	158
Dgri	YSYGSGSPAASPTATIPSNLLYSAQAAVAAQHQQHQQQQQQQLATLYPA	177
Dvir	YSYGSGSPAASPTAIPSN--LLYSTQAAAAAVQQQQQHQLATLYPALYYG	185
Dmoj	YSYGSGSPAASPTAIPSNLLYSAQAAVAQQQQQQQQQQQQQQLASLYPA	194

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X bZip

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Dpse  FYYGN- IKQEPSAPKVTPNAN- ASATATASLLQTFAAASAAAAAAAVG--      243
Dper  FYYGN- IKQEPSAPKITPNAN- ASATATASLLQTFAAASAAAAAAAVG--      245
Dmel  FYYSN- IKQEQATPTAAPP- - - -KVTPTANLLQTFAAASAAAAAAAAAASS    212
Dsec  FYYSN- IKQEQATPTAAPP- - - -KVTPTANLLQTFAAASAAAAAAAAAASS    209
Dyak  FYYSN- IKQEQATPTAAPP- - - -KVTPTANLLQTFAAASAAAAAAAAAASA    212
Dere  FYYSN- IKQEQATPTAAPP- - - -KVTPTANLLQTFAAASAAAAAAAAAASS    208
Dana  FYYNN- IKQEPLTAAKATPT- - ASATATASLLQTFAAASAAAAAAAAAASS    208
Dwil  LYYGNSGIKQEPQGSSSTTIT- PKPNPTASLLQTFAAASAAAAAAAAAAR-      206
Dgri  LYYGANIKQEHTVAAAAIKS- - NNCHSSSNSTASLLQSFAAASAAAAAAA       225
Dvir  GGSNSIKQEPSPAAKTGNNC- - SATASLLQTFAAASAAAAAAAVSASAA        233
Dmoj  LYYGGSIKQEPNAVEAVAKSGSNATASLLQTFAAASAAAAAAAAVSASAV        244
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Dpse  - VSPRPASNASTMQIDVLETPQSPPAAQTTNNSSTTASTTPTSSTVAN- -      290
Dper  - VSPRPASNASTMQIDVLETPQSPPAAQTTNNSSTTASTTPTSSTVAN- -      292
Dmel  TNSPRPASNASTMQIDVLENPLSP- - - - - - - - - - - - - -AVEATTPTTS- -   246
Dsec  TNSPRPASNASTMQIDVLENPQSP- - - - - - - - - - - - - -AVEATTPTTS- -   243
Dyak  TNSPRPASNASTMQIDVLENPQSP- - - - - - - - - - - - - -AVEATTPTTS- -   246
Dere  TNSPRPASNASTMQIDVLDNPQSP- - - - - - - - - - - - - -AVEATTPTTS- -   242
Dana  NASPRPASNASTMQIDVLENPQSPPAQIP- - - - - - - - - -AQSQTTTPTS- -   247
Dwil  - - - - - PASTASTMQIDILETPQSPPATAN- - -QQTDSSAPLTTPTSSC-       246
Dgri  AIQSRPASNASTMQIDVLEAPQSPPPTAGTAATP- - - - - - - - - - - - - -     259
Dvir  EHLSRPASNASTMQIDVLEAPQSPPAPASATANAGESQSCSSATTTPTSS        283
Dmoj  EHSPRPASNASTMQIDVLEAPQSPPASTSDSQLHGSSSTATHTTPTSST        294
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X bZip

Dpse	- - - - - - - - S A S D T G K N T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	333
Dper	- - - - - - - - S A S D T G K N T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	335
Dmel	- - - - - - - - S S G E A G K N T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	289
Dsec	- - - - - - - - S S G E A G K S T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	286
Dyak	- - - - - - - - S S G E A G K N T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	289
Dere	- - - - - - - - S S G E A G K N T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	285
Dana	- - - - - - - - S S G E S S K N T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	290
Dwil	- - - - - - - - S T D S A L K S T R P F K T F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	289
Dgri	- - - - - - - - S T S D A M K Q T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	302
Dvir	T A A L - - - A T D A S S K T T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	330
Dmoj	T A P L S I A G G V D G S K N T R P F K A F P R D P L V I A A N F A A T D V L L D N P R V E R Y T E	344

Dpse	Y R K R V L E Q I R S S N G G S R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	383
Dper	Y R K R V L E Q I R S S N G G S R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	385
Dmel	Y R K R V L E Q I R S S N G G S R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	339
Dsec	Y R K R V L E Q I R S S N G G S R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	336
Dyak	Y R K R V L E Q I R S S N G G S R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	339
Dere	Y R K R V L E Q I R S S N G G S R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	335
Dana	Y R K R V L E Q I R S S N G G Q R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	340
Dwil	Y R K R V L E Q I R S S N G G Q R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D - -	337
Dgri	Y R K R V L E Q I R S S N G G A R T V T N P K M R R T N S R S G S V N E G S S S T N N S E S E D R A	352
Dvir	Y R K R V L E Q I R S S N G G A R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	380
Dmoj	Y R K R V L E Q I R S S N G G S R T V T N P K M R R T N S R S G S V N E G S S S N N S E S E D R A	394

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X bZip

Dpse	AAEE-SSDCDSHAGNFESKSTTGSHSNGSSSGAANASFQ------PSSGG	426
Dper	AAEE-SSDCDSHAGNFESKSTTGSHSNGSSSGAANASFQ------PSSGG	428
Dmel	AAEE-SSDCDSQAGNFESKSATSSSSNLANATAANSG--------ISSGS	380
Dsec	AAEE-SSDCDSQAGNFEGKSATSSSSNLANATAANSG--------ISSGS	377
Dyak	AAEE-SSDCDSQAGNFEGKSATSSSSNLANATAANSG--------ISSGS	380
Dere	AAEE-SSDCDSQAGNFEGKSATSSSSNLANATAANAG--------ISSGS	376
Dana	AAEE-SSDCDSQAGNFEGKSNGSTSNGNLANTSATAGNAANAANTAGSGG	389
Dwil	RVEE-SSDCDSHAGNMDKVMPSSASAKTASSASNLSVIS---------GS	377
Dgri	DRAEESSDCDSQAGNYDKLTG-------AVQGGVGGAIA--AAAVAG--	391
Dvir	AAEE-SSDCDSHAGNFEKLSGSGNAGNRSTSGAAAAAA--ASGTGGS--	425
Dmoj	AAEE-SSDCDSHAGNFEKLSAPATGAGAGAGAAAAAAA--AGTLSGSGS	441

Dpse	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	476
Dper	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	478
Dmel	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	430
Dsec	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	427
Dyak	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	430
Dere	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	426
Dana	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	439
Dwil	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	427
Dgri	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	441
Dvir	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	475
Dmoj	QVKDAAYYERRRKNNAAAKKSRDRRRIKEDEIAIRAAYLERQNIELLCQI	491

Dpse	D A L K A Q L A A F T A K V A T A -	493
Dper	D A L K A Q L A A F T A K V A T A -	495
Dmel	D A L K V Q L A A F T S A K V T T A	448
Dsec	D A L K A Q L A A F T S A K V T T A	445
Dyak	D A L K A Q L A A F T S A K V T T A	448
Dere	D A L K A Q L A A F T S A K V T T A	444
Dana	D A L K A Q L A A F T A K V A T A -	456
Dwil	D A L K A Q L A A F T H A K V A T A	445
Dgri	D A L K A Q L A A F T A K V T - - -	456
Dvir	D A L K A Q L A A F T A - - - - - -	487
Dmoj	D A L K A Q L A A F T A K V T - - -	506