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Dsim	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
DmelA	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
Dsec	-GIPSEEN-ERREQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	47
DmelB	--	0
Dere	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
Dyak	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
Dper	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
Dpse	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
Dgri	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
Dvir	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
Dmoj	MGVCTEERPVMHWQQSARFLGPGAREKSLTPPVAHQGSNQCGSAAGANNN	50
Dwil	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNQCGSAAGANN-	49
Dana	MGVCTEERPVMHWQQSARFLGPGAREKSPTPPVAHQGSNHCGSAAGAST-	49

Dsim	------------------NHPLFRACSSSS-CPDICDHSTKPFGNAYGT-ESFR	83
DmelA	------------------NHPLFRACSSSS-CPDICDHSTKPFGNAYGT-ESFR	83
Dsec	------------------NHPLFRACSSSS-CPDICDHSTKPFGNAYGT-ESFR	81
DmelB	--	0
Dere	------------------NHPLFRACSSSS-CPDICDHSTKPFGNAYGT-DSFR	83
Dyak	------------------NHPLFRACSSSS-CPDICDHSTKPFGNAYGT-ESFR	83
Dper	------------------NHPLFRTCSSSS-CPDICDHSTKPFGNAYGT-ESFR	83
Dpse	------------------NHPLFRTCSSSS-CPDICDHSTKPFGNAYGT-ESFR	83
Dgri	-----------NHS-LFRTCSTSS-CPDICDHSTKPFGNAYGS-ESYR	83
Dvir	-----------NHHPLFRTCSTSSSCPDICDHSTKPFGNAYGS-ESYR	85
Dmoj	INNNNNNNNNHHHHHHPLFRTCSTSS-CPDICDQSTKPFGNAYGS-ESYR	98
Dwil	------------------NHPLFRTCSSSS-CPDICDHSTKPFGNAYGSSESFR	84
Dana	------------------NHPLFRTCSSSS-CPDICDHSTKPFGNAYNT-ESFR	83

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Dsim	SYETADRATFEDSA AKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	133
DmelA	SYETADRATFEDSAAKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	133
Dsec	SYETADRATFEDSAAKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	131
DmelB	--	0
Dere	SYETADRATFEDSAAKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	133
Dyak	SYETADRATFEDAAAKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	133
Dper	SYETADRATFEDSTAKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	133
Dpse	SYETADRATFEDSTAKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	133
Dgri	SYETADRATFEDSAAKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	133
Dvir	SYETADRATFEDSAAKFSISRSRTDCTEISDETTSGISFKTEPFGPPSSP	135
Dmoj	SYETADRATFEDSTAKFSISRSRTDCTEVSDETTSGISFKTEPFGPPSSP	148
Dwil	SYETADRATFEDSTAKFSISRSRTDCTEVSDETTSGISFKTEPYGPPSSP	134
Dana	SYETADRATFEDSTAKFSISRSRTDCTEISDETTSGISFKTEPFGPPSSP	133

Dsim	ESTSDSKITRNLDDCSGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	183
DmelA	ESTSDSKITRNLDDCSGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	183
Dsec	ESTSDSKITRNLDDCSGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	181
DmelB	--	0
Dere	ESTNDSKITRNLDDCSGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	183
Dyak	ESTNDSKITRSLDDCSGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	183
Dper	ESTNDSKNTRNLDDCAGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	183
Dpse	ESTNDSKNTRNLDDCAGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	183
Dgri	ESTNDSKVTRNPDDCAGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	183
Dvir	ESTNDSKVTRNPDDCAGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	185
Dmoj	ESTNDSKITRNPDDCAGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	198
Dwil	ESTNDSKITRSLDDCAGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	184
Dana	ESTNDSKITRNLDECAGCGRQIQDRFYLSAVEKRWHASCLQCYACRQPLE	183

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Dsim	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	233
DmelA	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	233
Dsec	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	231
DmelB	- MRARNLVFHV	10
Dere	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	233
Dyak	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	233
Dper	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	233
Dpse	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	233
Dgri	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	233
Dvir	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	235
Dmoj	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	248
Dwil	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	234
Dana	RESSCYSRDGNI YCKNDYYSFFGTRRCSRCLASI SSNELVMRARNLVFHV	233

Dsim	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDTASS- SMSATYP	282
DmelA	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDTASS- SMSATYP	282
Dsec	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDTASS- SMSATYP	280
DmelB	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDTASS- SMSATYP	59
Dere	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDTASS- SMSATYP	282
Dyak	NCFCCTVCHTPLTKGDQYGI I DALI YCRSHYSI AREGDTASS- SMSATYP	282
Dper	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDAASS- SMSATYP	282
Dpse	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDAASS- SMSATYP	282
Dgri	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDAASS- SMSATYP	282
Dvir	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDAASSTSMSATYP	285
Dmoj	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDAASSTSMSATYP	298
Dwil	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDAASS- SMSATYP	283
Dana	NCFCCTVCHTPLTKGDQYGI I DALI YCRTHYSI AREGDAASS- SMSASYP	282

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Dsim	Y S A Q F G S P H N D S S S P H S D P S R S I V P T G I F V P A S H V I N G L P Q P A R Q K G R P R	332
DmelA	Y S A Q F G S P H N D S S S P H S D P S R S I V P T G I F V P A S H V I N G L P Q P A R Q K G R P R	332
Dsec	Y S A Q F G S P H N D S S S P H S D P S R S I V P T G I F V P A S H V I N G L P Q P A R Q K G R P R	330
DmelB	Y S A Q F G S P H N D S S S P H S D P S R S I V P T G I F V P A S H V I N G L P Q P A R Q K G R P R	109
Dere	Y S A Q F G S P H N D S S S P H S D P S R S I V P T G I F V P A S H V I N G L P Q P A R Q K G R P R	332
Dyak	Y S A Q F G S P H N D S S S P H S D P S R S I V P T G I F V P A S H V I N G L P Q P A R Q K G R P R	332
Dper	Y S S Q F G S P H N D S S S P H S D P S R S I V P T G I F V P T S H V I T G L P Q P A R Q K G R P R	332
Dpse	Y S S Q F G S P H N D S S S P H S D P S R S I V P T G I F V P T S H V I T G L P Q P A R Q K G R P R	332
Dgri	Y S T Q F G S P H N D S S S P Q S D P S R S I V P T G I F V P T S H V I T G L P Q P A R Q K G R P R	332
Dvir	Y S T Q F G S P H N D S S S P H S D P S R S I V P T G I F V P T S H V I T G L P Q P A R Q K G R P R	335
Dmoj	Y S T Q F G S P H N D S S S P H S D P S R S I V P T G I F V P T S H V I T G L P Q P A R Q K G R P R	348
Dwil	Y S T Q F G S P H N D S S S P Q S D P S R S I V P T G I F V P T S H V I T G L P Q P A R Q K G R P R	333
Dana	Y N T Q F G S P H N D S S S P H S D P S R S I V P T G I F V P A S H V I T G L P Q P A R Q K G R P R	332

Dsim	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H L S S S R T K R M R T S F K H H Q L R T M	382
DmelA	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H L S S S R T K R M R T S F K H H Q L R T M	382
Dsec	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H L S S S R T K R M R T S F K H H Q L R T M	380
DmelB	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H L S S S R T K R M R T S F K H H Q L R T M	159
Dere	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H L S S S R T K R M R T S F K H H Q L R T M	382
Dyak	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H L S S S R T K R M R T S F K H H Q L R T M	382
Dper	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H M G S S S R T K R M R T S F K H H Q L R T M	382
Dpse	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H M G S S S R T K R M R T S F K H H Q L R T M	382
Dgri	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H M S A S S R T K R M R T S F K H H Q L R T M	382
Dvir	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H M S A S S R T K R M R T S F K H H Q L R T M	385
Dmoj	K R K P K D I E A F T A N I D L N T E Y V D F G R G S H M S A S S R T K R M R T S F K H H Q L R T M	398
Dwil	K R K P K D I E A F T N I D L N T E Y V D F G R G S H M S A S S R T K R M R T S F K H H Q L R T M	383
Dana	K R K P K D I E P F T A N I D L N T E Y V D F G R G S H M S S S S R T K R M R T S F K H H Q L R T M	382

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Dsim	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	432
DmelA	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	432
Dsec	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	430
DmelB	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	209
Dere	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	432
Dyak	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	432
Dper	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	432
Dpse	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	432
Dgri	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	432
Dvir	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	435
Dmoj	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	448
Dwil	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G -	432
Dana	K S Y F A I N H N P D A K D L K Q L S Q K T G L P K R V L Q V W F Q N A R A K W R R M M M K Q D G S	432

Dsim	G L L E K G E G A L D L D S I S V H S P T S F I L G G P N S T P P L N L D	469
DmelA	G L L E K G E G A L D L D S I S V H S P T S F I L G G P N S T P P L N L D	469
Dsec	G L L E K G E G A L D L D S I S V H S P T S F I L G G P N S T P P L N L D	467
DmelB	G L L E K G E G A L D L D S I S V H S P T S F I L G G P N S T P P L N L D	246
Dere	G L L E K G E G A L D L D S I S V H S P T S F I L G G P N S T P P L N L D	469
Dyak	G L L E K G E G A L D L D S I S V H S P T S F I L G G P N S T P P L N L D	469
Dper	G M L E K G D G T L D L D S I S V H S P T S F I M G G P N S T P P H N M D	469
Dpse	G M L E K G D G T L D L D S I S V H S P T S F I M G G P N S T P P H N M D	469
Dgri	G M M E K G D G T L D L D S I S V H S P S S F M L G G A N S T P P H N L D	469
Dvir	G M L E K G D G Q L D L D S I S V H S P T S F M L G G S N S T P P H N L D	472
Dmoj	G L M E K G D G T L D L D S I S V H S P T S F M M G G P N S T P P H N L D	485
Dwil	G L M E K G D G T L D L D S I S V H S P T S F I M G G P N S T P P H N M D	469
Dana	G I L E K G D G V L D L D S I S V H S P T S F I L G G P N S T P P H N L D	469