

# abd-B

Mon 11 Aug 2008 01:04:17

DmelA	-----	0
DmelC	-----	0
DmelD	-----	0
DmelE	-----	0
Dsec	TTPVAGALSPAQTPTG P S A - - - QQQQQ - - - QHL TSPHHQQ - - -	34
Dsim	TTPVAGALSPAQTPTG P S A - - - QQQQQ - - - QHL TSPHHQQ - - -	34
DmelB	TTPVAGALSPAQTPTG P S A - - - QQQ - - - QHL TSPHHQQ - - -	32
Dyak	TTPVAGALSPAQTPTG P S A QQQ - - - QQQQQ - - - QHL TSPHHQQ - - -	36
Dere	TTPVAGALSPAQTPTG P S A QQQQQ - - - QQQQQ - - - QHL TSPHHQQ - - -	38
Dana	TTPVAGALSPAQTPTG P S A QQQQQ - - - QQQQQ - - - QHL TSPHHQQ - - -	43
Dper	TTPVA VT LSPAQTPTG S S A QQQ H QQQQQ P Q - - - QHL TSPHHQQ MP QQ - - -	42
Dpse	TTPVA VT LSPAQTPTG S S A QQQ H QQQQQ P Q - - - QHL TSPHHQQ MP QQ - - -	42
Dwil	- TTPV GGS LSPAQTPTG S S T QQQQQ P QQ - - - QHL TSPHHQQ QL QQT QQ - - -	42
Dmoj	TTPV GS ALSPAQTPTG - - - - T A P - - - QQT - - - QHL TSPHHQQ QQ QQ QQQ - - -	39
Dvir	-----	0
Dgri	TTPV S GALSPAQTPTG - - - - Q AA QQ QP - - - QHL TSPHHQQ QQ QQ QQQ - - -	40

DmelA	-----	0
DmelC	-----	0
DmelD	-----	0
DmelE	-----	0
Dsec	- - - L P QQQ - - - TPNSV A S G A S S N L - - - QQQQQ - - - N A A V A P G Q T Q I V A P T T	73
Dsim	- - - L P QQQ - - - TPNSV A S G A S S N L QQQQQ - - - N A A V A P G Q T Q I V A P T T	75
DmelB	- - - L P QQQ - - - TPNSV A S G A S S N L QQQQQ - - - N A A V A P G Q T Q I V A P T T	73
Dyak	- - - L P QQQQT P N S V A S G A S S N L QQQQQ - - - N A A V A P G Q T Q I V A P T T	79
Dere	- - - L P QQQQT P N S V A S G A S S N L QQQQQ - - - N A A V A P G Q T Q I V A P T A	80
Dana	- - - L P QQQQT P N S V V S G A S S N L QQQQQ - - - N S A L P G Q T Q I V A P T T	85
Dper	- - - QQQ - - - T P N S V P S G A S S G L QQQQQ QQQQQ N A V V T S G Q A Q I V A P S T	85
Dpse	- - - QQQQQQT P N S V P S G A S S G L QQQQQ QQQQQ - - - N A V V T S G Q A Q I V A P S T	86
Dwil	QQQQQQ QQQQT S N T V P S G A S S G L QQQQQ - - - N P A V V P G Q T Q I V A P T T	86
Dmoj	QQQQQQ QQQQT P N S A P S G A T S S L QQQ S S - - - V V A S G Q S Q I V A P T T	81
Dvir	- - - - - QQQQT P S S A P S G G A T S A L Q Q N S - - - V V A S A Q S Q I V A P T T	16
Dgri	Q - - - - QQQQT P S S A P S G G A T S A L Q Q N S - - - V V A A G Q S Q I V A P T T	77

# abd-B

Mon 11 Aug 2008 01:04:17

DmelA	- - - - -	MSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	33						
DmelC	- - - - -	MSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	33						
DmelD	- - - - -	MSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	33						
DmelE	- - - - -	MSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	33						
Dsec	ASVSPSSVSSQKEDI	NMSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	122						
Dsim	ASVSPSSVSSQKEDI	NMSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	124						
DmelB	ASVSPSSVSSQKEDI	NMSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	122						
Dyak	ASVSPSSVSSQKEDI	NMSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	128						
Dere	ASVSPSSVSSQKEDI	NMSI QLAPLHI P	AI RA	GPGFETDT	TS	SA	AVKRHTA	H	129						
Dana	ASVSPSSVSSQKEDL	NMSI QLAPL A	P A	AI RA	GPGFE A	E	SA	AVKRHSA	H	135					
Dper	ASVSPSSVSSQKEDI	NMSI QLAPLHI P	AI RP	GPGFETDAS	V	AVKRH	A	A	P	134					
Dpse	ASVSPSSVSSQKEDI	NMSI QLAPLHI P	AI RP	GPGFETDAS	V	AVKRH	A	A	P	135					
Dwil	ASVSPSSVSSQKEDI	NMSI QLAPLHI P	AI RP	GPGFETDAS	-	AVKRHTA	P			134					
Dmoj	ASVSPSSVSSQQ	- A	DMSI S	LAPI HI P	AI RP	G	-	FETDAT	TTP	VKRH	A	H	P	126	
Dvir	ASVSPSSVSSQQ	- A	DMSI S	LAPI HI P	AI RP	G	-	FETDS	SGT	P	VKRH	A	H	P	61
Dgri	ASVSPSSVSSQQ	- A	DMSI S	LAPI HI P	AI RP	G	-	FEA	DAT	TTP	VKRH	G	H	P	122

DmelA	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	72																	
DmelC	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	72																	
DmelD	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	72																	
DmelE	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	72																	
Dsec	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	161																	
Dsim	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	163																	
DmelB	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	161																	
Dyak	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	167																	
Dere	WA	YNDE	- - - -	GFNQHY	G- - - - -	SGYY	DRK	HMF	AY	PYP	ETQF	PVGQY	WG	168																	
Dana	WPYNEE	FNPYP	AY	TSQY	P- - - - -	MDP	RE	RK	PMF	-	YP	Y	PDS	QF	- -	QQS	WP	176													
Dper	WPYNDD	- - - -	- - - -	GFNQYHA	SA	SQYY	ME	QR	DRK	PMF	-	P	Y	Y	P	D	T	QF	QP	-	Y	WA	N	177							
Dpse	WPYNDD	- - - -	- - - -	GFNQYHA	SA	SQYY	ME	QR	DRK	PMF	-	P	Y	Y	P	D	T	QF	QP	-	Y	WA	N	178							
Dwil	WPYNDD	- - - -	- - - -	GFNQYHA	-	SQYY	LE	QR	DRK	PMF	-	P	Y	Y	P	D	T	QF	S	-	-	Y	WA	N	174						
Dmoj	WPY	EN	- - - -	- - - -	E	FNQYHA	-	S	P	YY	L	D	R	DRK	PMF	-	Y	G	Y	P	E	T	QF	Q	P	A	Y	W	P	N	166
Dvir	WPY	DN	- - - -	- - - -	E	FNQYHA	-	S	P	YY	L	D	R	DRK	PMF	-	Y	G	Y	P	E	T	QF	Q	P	A	Y	W	P	N	101
Dgri	WPY	EN	- - - -	- - - -	E	FNQYHA	-	T	P	YY	I	D	R	DRK	PMF	-	Y	G	Y	P	E	T	QF	Q	P	P	Y	W	P	N	162

# abd-B

Mon 11 Aug 2008 01:04:17

DmelA	PNY	RP	DQ	TT	SA	AA	AA	AY	MNE	AERH	VSA	-	AARQS	VEGT	ST	SSYE	P	PTYS	119																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
DmelC	PNY	RP	DQ	TT	SA	AA	AA	AY	MNE	AERH	VSA	-	AARQS	VEGT	ST	SSYE	P	PTYS	119																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
DmelD	PNY	RP	DQ	TT	SA	AA	AA	AY	MNE	AERH	VSA	-	AARQS	VEGT	ST	SSYE	P	PTYS	119																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Dsec	PNY	RP	DQ	TT	SA	AA	AA	AY	MNE	AERH	VSA	-	AARQS	VEGT	ST	SSYE	P	PTYS	208																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Dsim	PNY	RP	DQ	TT	SA	AA	AA	AY	MNE	AERH	VSA	-	AARQS	VEGT	ST	SSYE	P	PTYS	210																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Dyak	PNY	RP	DQ	TT	SA	AA	AA	AY	MNE	AERH	VSA	-	AARQS	VEGT	ST	SSYE	P	PTYS	214																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Dere	PNY	RP	DQ	TT	SA	AA	AA	AY	MNE	AERH	VSA	-	AARQS	VEGT	ST	SSYE	P	PTYS	215																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Dana	Y	T	Y	R	H	-	DQ	T	P	T	Y	M	S	A	T	-	-	-	E	E	R	H	V	S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

DmelA	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGPCTP	NPGL	HEWTGQVSVRKKRK	169
DmelC	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGPCTP	NPGL	HEWTGQVSVRKKRK	169
DmelD	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGPCTP	NPGL	HEWTGQVSVRKKRK	169
DmelE	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGPCTP	NPGL	HEWTGQVSVRKKRK	169
Dsec	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGPCTP	NPGL	HEWTGQVSVRKKRK	258
Dsim	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGPCTP	NPGL	HEWTGQVSVRKKRK	260
DmelB	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGPCTP	NPGL	HEWTGQVSVRKKRK	258
Dyak	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGSSCTP	NPGL	HEWTGQVSVRKKRK	264
Dere	SPGGLRGYPS	ENYSS	SGASGGL	SVGAVGSSCTP	NPGL	HEWTGQVSVRKKRK	265
Dana	SPGGLRGYPS	EAYSS	SGASGGL	SVGAVGPCTP	NNAL	HEWTGQVSVRKKRK	271
Dper	SPGGLRGYPS	GEAYSS	TGASGGV	SVGAVGPCTPT	- -	LHEWTGA <sup>A</sup> SVRKKRK	273
Dpse	SPGGLRGYPS	GEAYSS	TGASGGV	SVGAVGPCTPT	- -	LHEWTGA <sup>A</sup> SVRKKRK	274
Dwil	SPGGLRGYPS	GD <sup>T</sup> YSS	TGASGGL	SVGAVGPCTPT	NAL	HEWTGQVSVRKKRK	272
Dmoj	SPGGLRA <sup>A</sup> FP	EAYSST	GT <sup>T</sup> SGGL	SVGAVGPCTPT	NA <sup>M</sup>	HEWTGQVSVRKKRK	263
Dvir	SPGGLRA <sup>A</sup> FP	EAYSST	GT <sup>T</sup> SGGL	SVGAVGPCTPT	NA <sup>M</sup>	HEWTGQVSVRKKRK	198
Dgri	SPGGLRT <sup>T</sup> FP	EAYSST	TGASGGL	SVGAVGPCTPT	NA <sup>M</sup>	HEWTGQVSVRKKRK	259

# abd-B

Mon 11 Aug 2008 01:04:17

DmelA	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	219
DmelC	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	219
DmelD	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	219
DmelE	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	219
Dsec	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	308
Dsim	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	310
DmelB	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	308
Dyak	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	314
Dere	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	315
Dana	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	321
Dper	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	323
Dpse	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	324
Dwil	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RM -	320
Dmoj	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	313
Dvir	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	248
Dgri	PYSKFQTL E L E KEFL FNAYVSKQKRWELARNLQLTERQVKIWFQNR RMKN	309

DmelA	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	T	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	269
DmelC	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	T	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	269
DmelD	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	T	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	269
DmelE	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	T	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	269
Dsec	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	T	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	358
Dsim	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	T	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	360
DmelB	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	T	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	358
Dyak	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	T	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	364
Dere	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	N	QQHHS	G	HHLNL	S	L	NMGHHA	A	KMH	365
Dana	KKNSQRQA	N	QQNNNNNS	SSNHNHAQA	A	QQHHS	N	HHL	S	L	GLSMGHHS	T	KMH	371
Dper	KKNSQRQA	N	QQNNNNNS	SSNHNH	S	QT	A	QQHHNNHHL	NL	GL	SMGHHA	T	KMH	373
Dpse	KKNSQRQA	N	QQNNNNNS	SSNHNH	S	QT	A	QQHHNNHHL	NL	GL	SMGHHA	T	KMH	374
Dwil	-	-	-	-	-	-	-	-	-	-	-	-	-	320
Dmoj	KKNSQRQA	T	QQNNNNNS	SSNHNHAQA	A	QQHHNNHHL	NL	GL	SMGHHA	T	KMH			363
Dvir	KKNSQRQA	T	QQNNNNNS	SSNHNHAQA	A	QQHHNNHHL	NL	GL	SMGHHA	T	KMH			298
Dgri	KKNSQRQA	T	QQNNNNNS	SSNHNHAQA	A	QQHHNNHHL	NL	GL	SMGHHA	T	KMH			359

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Mon 11 Aug 2008 01:04:17

DmelA	Q	270
DmelC	Q	270
DmelD	Q	270
DmelE	Q	270
Dsec	Q	359
Dsim	Q	361
DmelB	Q	359
Dyak	Q	365
Dere	Q	366
Dana	Q	372
Dper	Q	374
Dpse	Q	375
Dwil	-	320
Dmoj	Q	364
Dvir	Q	299
Dgri	Q	360