



351

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vndMana      -----      -----      CCTACAAA  GTG      -----      -----      GGGTT  CTGAAAGTAG
vndMere      -----      GG      -----      GAG  TGGGG      -----      AAAC  AATAAATGAG
vndMgri      GTTACCGTTC  TGTGTGTGTC  TGTGCCACAT  GTCATGTGG  GTGGTTGG      -----      GGGTC  GCTGGGGGAAG
vndMmel      -----      TGC  CATGCATAAA  GTGG      GAG  TTGGG      -----      AAAAT  AATAAAAAGAG
vndMmoj      -----      TGTGTGGG  CGTGGCACAT  GTCAT      -----      GGATC  GAAAGACAAA
vndMper      TATTTTCGTTT  TGGGATAGGT  CCGTGAATGG  GTTG      TTT  TTGGCCATCT  CTTTTGGGGT  GGCGAAGAT
vndMpse      -----      CAGGGG  CCCGTCCAT  GTCT      GTT  CTCGTGCATGT  CAGCCAAATT  GTCAGACCCG
vndMsec      -----      GGC  CATGCATAAA  GTGG      GAC  TTGGG      -----      GAAGT  AATAAAAAGAG
vndMsim      -----      GGC  CATGCATAAA  GTGG      GAG  TTGGG      -----      GAAGT  AATAAAAAGAG
vndMvir      ACGTCTGACG  AACTGTGTGTC  TGTGCCACAT  GTCAAGAGAG  TGG      -----      GGGGT  TACAAAAGAA
vndMwil      -----      GTC  AGCG      -----      -----      -----      AAATT  GTCAGTAAAG
vndMyak      -----      GGC  AATGCATTAA  GTGG      GAG  TTGGG      -----      AAAC  AATGAAAGAG

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421

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vndMana      GGG      -----      -----      GGAGTG  CCATGTCAGG      -----      A  ACAAAAAAAAA  AAACGCAAAA
vndMere      AAG      -----      -----      CA  CAGGGAAGAG      -----      AA  ATGTATGCAT  GTGGGCGC-A
vndMgri      --ATAGGGGGC  GAGTCAAAAGT  AAAAAAATGT  TGGCAGTAAG  TTGGTCTCAA  ACAGG-CGACA  GTTTGCCGACA
vndMmel      -----      -----      -----      GAGCAAAAC      -----      CAA  GAGCATGCAT  ATAGGCGAAA
vndMmoj      ATG      -----      -----      CTGCAT  GTGAGCAGG  TTGAGCCCAA  ACGGTGCACA  GTTTGGGCCA
vndMper      -----      -----      -----      -----      CCCTA  ATGATCGAAT  GAGGGCG--
vndMpse      AAG      -----      -----      TTGGTG  CGGCAAAAAAC      -----      A  GCAACGGAAC  G-----A
vndMsec      -G      -----      AGC  AAACCAAGAG  CAGGGAAGAG      -----      GAA  ATGCATGCAT  ATAGGCGAAA
vndMsim      -G      -----      AGC  AAACCAAGAG  CAGGGAAGAG      -----      GAA  ATGCATGCAT  ATAGGCGAAA
vndMvir      AAG      -----      -----      ACACTG  TGGCAGCAAG  TTTGGCTCAA  ATGG-CGAAA  GTTTGGGCCA
vndMwil      AAA      -----      -----      -----      -----      -----      AGG  AAAAGTTCCA
vndMyak      GAGCGCGGGG  TGCCAGGAGT  GCCAGGAGTG  CCAGGGAAGG      -----      GAA  ATGTATGCAC  GTAGGCGA-A

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491

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vndMana      ATGGATGGCC  AGAAATTGAT  ACATTTTGCA  CAATTTCTG      -----      -----      -----      TTGC
vndMere      AACAAACGGCT  AGAAATTGAT  ACATTTTCATA  CAATTTACT      -----      -----      -----      TGC
vndMgri      AA      -----      TC  AGAAATTGAT  ACATTTACCA  AAATGTTGC      -----      -----      -----      AC
vndMmel      AACAAACGGCT  AGAAATTGAT  ACATTTTCATA  CAATTTACT      -----      -----      -----      TGC
vndMmoj      GAAAA      -----      C  AGAAATTGAT  ACATTTTCATA  CAAAATGTT  -----      -----      -----      GCAC
vndMper      ATTTGCATTC  AGAAGTCAAT  CCA      -----      -----      CAGTTTCTT  -----      -----      AAGTC
vndMpse      AATAAAAAATC  AGAAATTGAT  ACATTTTC  A  CAATTTTGT  -----      -----      -----      TGC
vndMsec      AACAAACGGCT  AGAAATTGAT  ACATTTTCATA  CAATTTACT      -----      -----      -----      TGC
vndMsim      AACAAACGGCT  AGAAATTGAT  ACATTTTCATA  CAATTTACT      -----      -----      -----      TGC
vndMvir      AA      -----      TC  AGAAATTGAT  ACATTTTAACA  AAATGTT  -----      -----      -----      GCCC
vndMwil      GTCAGAAATC  AGAAATTGAT  ACATTTTC  A  CAATTTTCTT  -----      -----      -----      TTTTTCCTGT
vndMyak      AACAAACGGCT  AGAAATTGAT  ACATTTTCATA  CAATTTACTT  GCAGTTGCCG  TTGCCGTTGC  CGTAAGTTGC

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561

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vndMana      AGTTTTAGTT  T      -----      TTT  TGGGG-AGAC  GGGGTGACTT  TGTGACA      -----      T
vndMere      AGTTGCAAGT  T-GCAACTGC  AACTGCAGTC  TGCCACGGAC  -GCGTGACTT  TGTGACA      -----      T
vndMgri      AGCTTTCGAG  T      -----      TGAAT  CGACACGACG  CGAC-CGAC  -GCGTGACTT  TGTGACA      -----      T
vndMmel      AGCTTTCATTT  C      -----      AGTC  CGCCG-CGAC  -GCGTGACTT  TGTGACA      -----      T
vndMmoj      AGCTTTCGAG  CAGCGCGACG  CGACCGGACG  CGACG-CCAC  -GTGTGACTT  TGTGACA      -----      T
vndMper      AGCTTAGAAT  A      -----      AAT  CAACGTGTGC  AACTTAACGA  TGGGACAGTA  ATAAGGATCT
vndMpse      AGTTGCAGCT  C      -----      GTT  TGGG-CGAC  -GCGTGACTT  TGTGACA      -----      T
vndMsec      AGTTGCATTT  C      -----      AGTC  CGCCG-GGAC  -GCGTGACTT  TGTGACA      -----      T
vndMsim      AGTTGCATTT  C      -----      AGTC  CGCCG-GGAC  -GCGTGACTT  TGTGACA      -----      T
vndMvir      AGCTTTCGAG  T      -----      TGAAT  CG-CGAC  -GCGTGACTT  TGTGACA      -----      T
vndMwil      ACTTTTTTTT  T      -----      ATGT  CGCGTGAGAC  -GCGTGACTT  GGTGAAA      -----      T
vndMyak      TGTTCGAAGT  TGTAGTTGC  AAGOTTAGAC  TGCGGGGGAC  -GCGTGACTT  TGTGACA      -----      T

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631

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vndMana      TTAA      -----      TGCCA  GTTGTGAGC  TAGT      -----      TTGTGT  TTGTTTTCTT  GTCACAGAAA
vndMere      TTAA      -----      TGCCA  GTTGTGAGC  TGGC      -----      TTTT  TTGTTTTCTT  GTCAACG--
vndMgri      TTAA      -----      TGCCC  GTTCGTGAGG  CAGCCAGTCA  GCCCCGTCCG  CAGTCAGTCA  GTCAGTTTCC
vndMmel      TTAA      -----      TGCCA  GTTGTGAGC  TGGC      -----      TTT  CTCGACG--
vndMmoj      TTAA      -----      TGCCA  GTTGTGAGC  CAGTCAGTCA  ATCAGTCAGT  GAGTCCGTCC  GTCAGTTTCC
vndMper      TTAAAGATGAC  ACTCGCACCA  GTTAACTGGT  TGAC      -----      -----      TGGTTTTACT  GCCGTGAGG
vndMpse      TTAA      -----      TGCCA  GTTGTGAGC  CAGA      -----      -----      GTTTT  GCCAGTG
vndMsec      TTAA      -----      TGCCA  GTTGTGAGC  TGGC      -----      -----      TTTT  GTCGACG
vndMsim      TTAA      -----      TGCCA  GTTGTGAGC  TGGC      -----      -----      TTT  GTCGACG
vndMvir      TTAA      -----      TGCCA  GTTGTGAGG  CAGT      -----      -----      CAGT  CAGTCAGCTT  GC
vndMwil      TTAA      -----      TGCCA  GTTGTGAGC  CAGT      -----      -----      TTTCTTT  TTTTGTGTT  TTCGATTGTT
vndMyak      TTAA      -----      TGCCA  GTTGTGAGC  TGGC      -----      -----      TTT  GTCAACG--

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vndMana	AATAAAAATAA	AAATAAAAAAT	AATATATATAG	AAAGTGCATC	GCATGCGG	-- -- -- -- GG	ATATAGTCTA
vndMere				GCATT	GCATGCAAC	-- -- -- --	
vndMgri	AGAATCGGCA			ACATC	GCATGCGC		
vndMmel				GCATC	GCATGCCG	TATA	
vndMmoj				AAATC	GCATGCGC		
vndMper				GAAAT	GTA-GCG		
vndMpse				GCATT	GCATGCCG	TGCCGTCTC	AGGCTGACTG
vndMsec				GCATC	GCATGCGC		
vndMsim				GCATC	GCATGCGC	TATA	
vndMvir				AGATC	GCATGCCG		
vndMwil	TTCTTCCTTG			CCATC	GCATGCAT		
vndMyak				GCATC	GCATGCATAT	GGTATAGTGC	ATAGCACAT

vndMana	TCTATAGACT	ATATATAGTC	TGATGCGAAT	GCGAA	---	---	AATAACACA	ATGAAATTT
vndMere	---	TATATGGGC	T-GGGCGGAT	GCGAA	---	---	AATAACACA	ATGAAATTTT
vndMgri	---	---	C-ATGCGAAT	GTGAA	---	---	AATAACACA	ATGAAATTTT
vndMmel	---	---	T-AGGCGGAT	GCGAA	---	---	AATAACACA	ATGAAATTTT
vndMmoj	---	---	C-ATGCGAAT	GTGAA	---	---	AATAAATACT	ATGAAATTTT
vndMper	---	---	---	ATACGAAT	GTAAA	TTAAA	GGGTTCTCTC	TGATAAGAAG
vndMpse	TTTCCGTGCA	CGCGGATGCG	G-ATGCGAAT	GCGAA	---	---	TATAACACA	ATGAAATTTT
vndMsec	---	TAAATGGGC	T-AGGCGGAT	ACGAA	---	---	AATAACACA	ATGAAATTTT
vndMsim	---	---	T-AGGCGGAT	ACGAA	---	---	AATAACACA	ATGAAATTTT
vndMvir	---	---	C-ATGCGAAT	GCGAA	---	---	AATAACACA	ATGAAATTTT
vndMwil	---	---	C-ATGCGAAT	GTGAA	---	---	AATAACACA	ATGAAATTTT
vndMyak	GTGCACAGTG	CATGTGGGC	T-AGGCGGAT	GCGAA	---	---	AATAACACA	ATGAAATTTT

vndMana	-GCATCC AAG	AC							
vndMere	-GCACCCGCG	AC							
vndMgri	-GCATCTACT	AG							
vndMmel	-GCACCCGCG	AC							
vndMmoj	-GCATTTACT	AT							GCAGGAT
vndMper	AGGATCCTAG	AG							
vndMpse	-GCATCC AAG	AC							
vndMsec	-GCACCCGCG	AC							
vndMsim	-GCACCCGCG	AC							
vndMvir	-GCATCTACT	ACTAAGCAAT	ACATCGTATC	GTAGGTCGCT	GTCGAACCCCT	GGGCAAGGGG	TATTCAAATT		
vndMwil	-ACATCTGCC	C							
vndMyak	-GCACCCGCG	AC							

vndMana	-	-	-	-	-	-	-
vndMere	-	-	-	-	-	-	-
vndMgri	-	-	-	-	-	-	-
vndMmel	-	-	-	-	-	-	-
vndMmoj	A T A T G A C T G C	A G C T C T C T A G	A G T C A A A G T T	C T G C T C T A A A	C T C T G H E T T G G	G C A H H T T C G C T	G T T G A C A T G A
vndMper	-	-	-	-	-	-	-
vndMpse	-	-	-	-	-	-	-
vndMsec	-	-	-	-	-	-	-
vndMsim	-	-	-	-	-	-	-
vndMvir	T T G T C A T G C A	A G A T T T C A T C	C A T T A A A G A A	T G C T T C A T C A	A G C C C A T A A G	A T A T A A T A A T	T C T T A C T C A G
vndMwil	-	-	-	-	-	-	-
vndMyak	-	-	-	-	-	-	-

vndMana	-----	-----	-----	-----	AG	CCCGAAAGG	-----	-----
vndMere	-----	-----	-----	-----	-----	AGG	-----	-----
vndMgri	-----	-----	-----	-----	-----	-----	-----	-----
vndMmel	-----	-----	-----	-----	-----	AGG	-----	-----
vndMmoj	AACATGCCAC	GAAATCGGGT	TGGAAAAATCT	GTGG	-----	ATAC	TTCAATATCAT	TTGTAGCTGT
vndMper	-----	-----	-----	-----	-----	-----	-----	-----
vndMpse	-----	-----	-----	-----	-----	-----	-----	-----
vndMsec	-----	-----	-----	-----	-----	ATC	-----	-----
vndMsim	-----	-----	-----	-----	-----	AGG	-----	-----
vndMvir	GACATCGAAT	CATGTTGATG	TGGAACCGTC	TGTCGTGCTGC	TACAAAAAGC	-----	TTATTAACTT	ATTGTATGAA
vndMwil	-----	-----	-----	-----	-----	AGG	-----	-----
vndMyak	-----	-----	-----	-----	-----	AGG	-----	-----

1751

vndMana	-----	-----	-----	TAAATATGA	AGAG	-----	-----
vndMere	-----	-----	-----	TGGAGATCG	GAA	-----	-----
vndMgri	-----	-----	-----	CACAAATCA	AAGAC	-----	-----
vndMmel	-----	-----	-----	TGAAGATCG	AAA-C	-----	-----
vndMmoj	-----	-----	-----	TAATTATCG	AGAATTATCG	AAAAATGCATT	TTTTTTTCGTT
vndMper	-----	-----	-----	TACATTTTCG	GATGC	-----	-----
vndMpse	CTCCTTACGT	TAAATAAATAA	ATATTTTATGG	ATAAAATATCG	AAGGCTTTAT	ATACGCATTG	GTACTGATAC
vndMsec	-----	-----	-----	TGAAGATCG	AAA-C	-----	-----
vndMsim	-----	-----	-----	TGAAAATCG	AAA-C	-----	-----
vndMvir	-----	-----	-----	CACAAATCA	AAG-C	-----	-----
vndMwil	-----	-----	-----	ATATATCA	ATAGATTTTT	ATCACAT	-----
vndMyak	-----	-----	-----	CAGGACTGA	AAA	-----	-----

1821

vndMana	-----	-----	-----	-----	-----	-----	-----
vndMere	-----	-----	-----	-----	-----	-----	-----
vndMgri	-----	-----	-----	-----	-----	-----	-----
vndMmel	-----	-----	-----	-----	-----	-----	-----
vndMmoj	TTATCGCGAT	TTTCTATATA	GCGGGCTA	-----	-----	-----	-----
vndMper	-----	-----	-----	-----	-----	-----	-----
vndMpse	AGATATGGAT	ACAATACATT	AAAATTTTAGT	TACAGAATAA	GACTCAGTA	AACAAGAGTC	AGATACATTA
vndMsec	-----	-----	-----	-----	-----	-----	-----
vndMsim	-----	-----	-----	-----	-----	-----	-----
vndMvir	-----	-----	-----	-----	-----	-----	-----
vndMwil	-----	-----	-----	-----	-----	-----	-----
vndMyak	-----	-----	-----	-----	-----	-----	-----

1891

vndMana	-----	-----	AAA	TTTAAAT	-----	-----	-----
vndMere	-----	CTGGGAA	CTGGGACTAG	GGACTAGAGC	CAACCCAACT	GC	-----
vndMgri	TGACAAAA	CGCGG	CAA	TTAAACGCAC	AAGG	G	TTGCCCAGAT
vndMmel	CGAAAAG	-----	GCG	ATCAGAGCCC	GAGCCCACGC	ATTCCAAATT	GAATGC
vndMmoj	CAAACTAT	CGAGAGTCGA	CTGTATATAT	AAATTTATCAT	ATAGCTAACT	CCCTCCACTT	TAAGTGTATT
vndMper	-----	AAAAATG	TTTGAGGAGCA	TTTCGAGACAA	ATT	G	CTTCCTACTT
vndMpse	AAATAACATTG	CGATAGTATA	ATAAACGTAA	ATGCCAA	A	ATATCCACAT	CCATACCTTAG
vndMsec	-----	-----	GAG	ATCAGAGCCC	GAGCCCACGC	ATTCCAACTT	GAATGC
vndMsim	-----	-----	GAG	ATCAGAGCCC	GAGCCCACGC	ATTCCAACTT	GAATGC
vndMvir	TGACAAAA	CGCAA	CAA	TTAAACGCAC	AAAA	G	ATACACAGAT
vndMwil	TTAATGAA	GGATAGAACG	TTCAATG	-----	G	ACTCCAGCTT	AGATGCCCGAG
vndMyak	-----	-----	-----	-----	G	AGACTCAAAT	GC

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vndMana	-----	-----	ATTTC	-----	-----	TAGA	TAA
vndMere	-----	-----	AGTTA	-----	-----	TGGA	TG
vndMgri	-----	-----	AGAAC	-----	-----	TAGA	GA
vndMmel	-----	-----	AGTTA	-----	-----	TGAA	TG
vndMmoj	CAATCTTCGT	CAGACTTTGT	CAGAGCCACA	GCAGAAGAGT	TATCAGTCC	-----	-----
vndMper	-----	-----	GGACC	-----	-----	TGGA	TT
vndMpse	TTGTAATCTG	AAATGACCAT	TTTAGATAGA	TTTTTTTTTCAT	TAGCTGGCTG	TTTGAGTGGGA	TTTTTGCAAAG
vndMsec	-----	-----	AGTTA	-----	-----	TGGA	TT
vndMsim	-----	-----	AGTTA	-----	-----	TGGA	TT
vndMvir	-----	-----	AGATA	-----	-----	CAGA	TA
vndMwil	-----	-----	AAATTA	ACTAA	AACTTTGCAA	ATCAAATAGA	TTTTTCAAAAC
vndMyak	-----	-----	AGTTA	-----	-----	TGGA	TG

2031

vndMana	---	GAGTCC	-----	-----	-----	-----	-----
vndMere	---	CGATCC	TC	-----	-----	-----	-----
vndMgri	---	CAACTA	-----	-----	-----	-----	-----
vndMmel	---	CGATCC	TA	-----	-----	-----	-----
vndMmoj	---	TGGTTT	TTATTTTCTT	TCCTTATTATA	GATTTTTTTTC	GATTTGATTG	GCCTGTAAATG
vndMper	---	CATCCC	CTTGCTGT	-----	-----	-----	AGGACTGTGA
vndMpse	ATTCCGATCA	TACTCGTAT	-----	-----	-----	-----	TGCCCTCTCTT
vndMsec	---	CGATCC	CG	-----	-----	-----	TGGGCCGG
vndMsim	---	CGATCC	CG	-----	-----	-----	-----
vndMvir	---	CAATTG	CA	-----	-----	-----	AGGGTCCA
vndMwil	CT	TAACTC	AGATAATAT	-----	-----	TCAAATTAAT	TGTGT
vndMyak	---	CGATCC	TACGATCCT	-----	-----	GCCATCCTA	CGATCCTC

vndMana			CAGAC	CAGACCACA					AAAGG
vndMere			CATCG	ACCACCACA					ATGG
vndMgri			AAAAC	AATACCACA				AAAA	TGG
vndMmel			CATCT	ACCACCACA					ATGG
vndMmoj	TGTGGCTGAAG	TGTCAcAGGC	GCTGCCACAc	GCCAGTGTGA	GAGAGGGGAGT	AGGAGTGGGA	GTGGGAGTGG		
vndMper	CAGTAGAGGT	TGGATCATTC	AATAGCITCA			TTTGACT	AATAAAAAAGG		
vndMpse			GGACC	ATGACCACA		GCA			AATGG
vndMsec			CATCT	ACCACCACA					ATGG
vndMsim			CATCT	ACCACCACA					AAGG
vndMvir			AAAAC	AATACCACA		A-A			AATGG
vndMwil			TAGAC	AATACCACA		AGATCCA	ACCCCTAAAAc		
vndMyak			CATCG	ACCACCACA					ATGG

[illegible]

vndMana	---	TT	CGGAAAAATAT	CAAAATGGAAT	G	---	AAATT	AGGA	---	A	ACAAAACAAT	
vndMere	---	TC	GAAAA	---	AAT	G	---	AAATT	AGGG	---	A	CCAAACACAAA
vndMgri	---	---	---	---	---	---	---	AAATG	CGTG	---	---	---
vndMmel	---	TT	GAAAA	---	AAT	T	---	AAATT	ACGG	---	A	CCAATACAAA
vndMmoj	GAAGTTGGCT	TTAATGAGTT	TCAGCGGAAT	GCGCGCTTCA	TTTCA	AAATC	AAAG	---	CTG	---	A	ACAAAAACGCA
vndMper	GTGTTCTGAC	GAGTGTCTAT	AGCGGCAGAG	GTACATATTT	CCCTGTGCAGC	TGTA	---	A	GGATCGCTGA	---	---	---
vndMpse	---	TT	GAAAA	---	AAT	G	---	AAATT	AGAA	---	A	ACAAAGCACA
vndMsec	---	TC	GAAAA	---	AAT	C	---	AAATT	AGGG	---	A	ACAACACAAA
vndMsim	---	TC	GAAAA	---	AAT	C	---	AAATT	AGGG	---	A	ACAACACAAA
vndMvir	---	---	---	---	---	---	---	AAATC	TGTG	---	---	---
vndMwil	---	CC	AAAACTGTGC	AAAAATGTGA	A	---	AAATC	AAGA	---	---	AAGAAAAA	
vndMyak	---	CC	GAAAA	---	AAT	G	---	AAATT	AGGGAA	CGAA	---	CCAAACACAAA

vndMana	GC			CGAACA	A				
vndMere	GG			CGAACA	AAGCGA		TGAA	CTG	
vndMgri									
vndMmel	GG			CAACA	AAGCGA		TGCA	CTG	
vndMmoj	GC	AAATTAAAG	GGACAAAGGA	CATGCGAAGA	GAGGCAGAGA	TACGGATGCA	GGGTCCAAAA	GACAAATACCA	
vndMper	GG	AGCTGCGA	GTGTGCCCGG	TAACCTTGACA	AAATGGGTTTTT	TCATCTTTTGA	TGCGTTGCTTT	CGTCCGATTTC	
vndMpse	GC			CAGACA	AAGAGACGGA	GGAAGGAGGA	TGG		
vndMsec	GG			CAACA	AAGCGA		TGCA	CTG	
vndMsim	GG			CAACA	AAGCGA		TGCA	CTG	
vndMvir									
vndMwil	GG								
vndMyak	GC			CGAACA	AAGTGA	CGAA	CTGGGGTGAA	CTG	

vndMana	-----	-----	-----	TGCC	-----	-----	-----	-----
vndMere	-----	-----	-----	GTC	-----	-----	-----	-----
vndMgri	-----	-----	-----	TGTT	-----	-----	-----	-----
vndMmel	-----	-----	-----	GTC	-----	-----	-----	-----
vndMmoj	CAAAACTGGG	CAAGGTGTGT	GTAAAGGCGA	TTGTCCCTACT	CCCCCCCCCTCT	CTCTCTCTCTCT	CTCTCTCTCTCT	CTCTCTCTCTCT
vndMper	CTTTCCGTTT	TTTGAGTTCC	GTTGTCCCACT	GTGTCT	-----	-----	-----	-----
vndMpse	-----	AGTCGA	AATGAGCATT	GTGCC	-----	-----	-----	-----
vndMsec	-----	-----	-----	GTC	-----	-----	-----	-----
vndMsim	-----	-----	-----	GTC	-----	-----	-----	-----
vndMvir	-----	-----	-----	TGTA	-----	-----	-----	-----
vndMwil	-----	-----	-----	TGTC	-----	-----	-----	-----
vndMyak	-----	-----	-----	GTC	-----	-----	-----	-----

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vndMana	-----	-----	-----	-----	AT	TA	-----	CAC	A	-----
vndMere	-----	-----	-----	-----	AT	TT	-----	CGC	A	-----
vndMgri	-----	-----	-----	-----	AG	TG	-----	TGC	GTGTGTGTGT	-----
vndMmel	-----	-----	-----	-----	AT	TT	-----	CGC	A	-----
vndMmoj	CTCTCTCTCT	CTCACTCTGT	CTCTCTTTGT	CCCTCTCTAT	CT	CT	-----	CTC	TCTCTGTGTG	-----
vndMper	-----	-----	-----	-----	GT	TT	-----	GC	TGGGCCAGTT	-----
vndMpse	-----	-----	-----	-----	GC	TC	-----	CGC	A	-----
vndMsec	-----	-----	-----	-----	AT	TT	-----	CGC	A	-----
vndMsim	-----	-----	-----	-----	AT	TT	-----	CGC	A	-----
vndMvir	-----	-----	-----	-----	TC	TC	-----	TGT	GTCTGTGTGT	-----
vndMwil	-----	-----	-----	-----	AT	TTAAAGGAAG	AGAAGGCAGC	A	A	-----
vndMyak	-----	-----	-----	-----	AT	TT	-----	CGC	A	-----

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vndMana	-----	CGGTGGGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMere	-----	CGGTGGGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMgri	GTGAAAAGGG	CCGTGTGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMmel	-----	CGGTGAGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMmoj	TCTGTGTGTG	CCGTGTGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMper	CCCGGGTCAG	TTGGTCAGTC	ATTCCACAGC	GATGCGGTGC	GGTGCATGC	GATGCGGCCA	ACTTCCTCTG	-----	-----	-----
vndMpse	-----	CGGTGAGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMsec	-----	CGGTGAGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMsim	-----	TGCTGAGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMvir	TTAAAAATGC	CGGTGTGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMwil	-----	CACTGAGCC	ATT	-----	-----	-----	-----	-----	-----	-----
vndMyak	-----	CGGTGGGCC	ATT	-----	-----	-----	-----	-----	-----	-----

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vndMana	-----	-----	-----	CATTCAAGAA	TATATATTTG	CAATTGATGC	T---GAAAT
vndMere	-----	-----	-----	CATACAA-AA	TATA	CCATTTCAGC	TAGCGGGAAT
vndMgri	-----	-----	-----	CAT---A-AA	AATA---TTG	CAATTGAAAT	T---
vndMmel	-----	-----	-----	CATACAA-AA	TACCATTTAT	CCATTTCAGGC	TAGCGGGAAT
vndMmoj	-----	-----	-----	CAT---A-AA	AATA---TTG	CAATTGAAAT	T---
vndMper	CACACTTCCT	ACTTCCTTCA	CAGCTGGGGG	CAGCCAG-GA	GATACATTTG	CAATTTCATTC	C---AAA
vndMpse	-----	-----	-----	CAT---G-AA	AATA---TTG	CAATTGAAAC	T---GGAAT
vndMsec	-----	-----	-----	CAAAACAA-AA	TATA	CCATTTCATGC	TAGCGGGAAT
vndMsim	-----	-----	-----	CAAAACAA-AA	TATA	CCATTTCATGC	TAGCGGGAAT
vndMvir	-----	-----	-----	CAT---G-AA	AATA---TTG	CAATTGAAAT	T---
vndMwil	-----	-----	-----	CAATGAG-AG	AACACAAAAA	CCATTTCGAAG	T---CGGCAAT
vndMyak	-----	-----	-----	CATACAA-AA	TATA	CCATTTCATGC	TAGCGGGAAT

2661

vndMana	AGTCCTTGG-C	ATTTT--GGAA	TAAATTGCAA	-----A-	TGTATCT	CCGGGC	-----
vndMere	CGCCTTGG-C	ATTTT--GGAA	TAAATTGCGA	-----A-	TGAATCG--A	CCGAGC	-----
vndMgri	--GTTTGG-C	ATTTT--GAAA	TAAATTGCAA	-----ATG	TGTGTGTCTG	GCGAAT	-----
vndMmel	CGCCTTGG-C	ATTTT--GGAA	TAAATTGCGA	-----A-	TGAATCG--G	CCGAGCCGGC	GACAGGAC--
vndMmoj	--GTTTGG-C	ATTTT--GAAA	TAAATTGCAA	-----AT-	TGTGTATCTG	GCGAAT	-----
vndMper	TGCCAAGG-C	AAATTCCAGTT	TCAATTGCAA	TATTTTCA	TGAATGG	CTCAGCGTGC	GGAGCGGCAC
vndMpse	TGCCCTTGG-C	ATTTT--GGAA	TAAATTGCAA	-----A-	TGTATCT	CCGTGGC	-----
vndMsec	CGCCTTGG-C	ATTTT--GGAA	TAAATTGCGA	-----A-	TGAATCG--A	CCGAACCTGGC	GACAGGAC--
vndMsim	CGCCTTGG-C	ATTTT--GGAA	TAAATTGCGA	-----A-	TGAATCG--A	CCGAGCTGGC	GACAGGAC--
vndMvir	--GTTTGG-C	ATTTT--GAAA	TAAATTGCAA	-----A-	TGTGTAAC TG	GCGAAT	-----
vndMwil	TGCTAAGGAC	ATTTT--GAAA	CAAAATGCAA	-----A-	TGAATCCTAG	CCCAAA	-----
vndMyak	CGCCTTGG-C	ATTTT--GGAT	TGAATTGCGA	-----A-	TGAATCG--C	CCGAGC	-----

2731

vndMana	-----	-----	-----	CGGT	GTCCAGCTGT	GCC	-----
vndMere	-----	CTGGT	TTTCCTGACC	GACCTA-GGC	CCCCAGCTGT	-----	-----
vndMgri	-----	-----	-----	GT	TTCAAGCTGT	-----	-----
vndMmel	-----	TG	TTTTCTTGGT	GACCTGGGGC	GCCCAGCTGT	-----	-----
vndMmoj	-----	-----	-----	GC	GTCAAGCTGT	GC	-----
vndMper	AATGCTCATT	TGCACTCCAT	CCTCCTTCCT	CGTCTCTTT	GTCTGGCTGT	GCTTTGTTTT	CTAAATTCAT
vndMpse	-----	-----	-----	TGC	CCCCAGCTGT	-----	-----
vndMsec	-----	TG	TTTTCCAGGT	GACCTGGGGC	GCCCAGCTGT	-----	-----
vndMsim	-----	TG	TTTTCCAGGT	GACCTGGGGC	GCCCAGCTGT	-----	-----
vndMvir	-----	-----	-----	GC	GTCAAGCTGT	GA	-----
vndMwil	-----	-----	-----	AGC	ATCAAGCTGT	-----	-----
vndMyak	-----	ATTGGT	CCTCCTGGCC	AACCTGGGGC	CCCCAGCTGT	GC	-----

2801

vndMana	----	GGA	----	----	----	GGAGTAG	----	----	----
vndMere	----	GAA	----	----	----	GGAGTAG	----	----	----
vndMgri	----	GAA	----	----	----	GGAGTAG	----	----	----
vndMmel	----	GAA	----	----	----	GGAGTAG	----	----	----
vndMmoj	----	A-GAA	----	----	----	GGAGTAG	----	----	----
vndMper	TTTTTTGAAAC	ATCACCTTGC	CCATTGTGCTG	TTGTCATGGT	CCCCGGCC	----	----	----	----
vndMpse	----	GAA	----	----	----	GGAGTAG	----	----	----
vndMsec	----	GAA	----	----	----	GGAGTAG	----	----	----
vndMsim	----	GAA	----	----	----	GGAGTAG	----	----	----
vndMvir	----	A-GAA	----	----	----	GGAGTAG	----	----	----
vndMwil	----	GAA	----	----	----	GGAGTAGA	ATTCAATATT	GTTAGTTGGT	GTGGGGGGGG
vndMyak	----	AGGA	----	----	----	GGAGTAG	----	----	----

2871

vndMana	----	GAAAG	TGAGCGGAGA	GGAAGTGTAGT	C	----	TAA	ACT	----
vndMere	----	GAAAG	TGCGC	AA	GGAAGTTGGC	C	----	CAA	ACT
vndMgri	----	GAAAG	TGCGC	AGA	GGAAGTTGGC	C	AGCA	A	TAT
vndMmel	----	GAAAG	TGTGC	AAA	GGAAGTTGGC	T	----	GCA	ACT
vndMmoj	----	GAAAG	TGCGC	ATA	GGAAGTTGAG	C	AGGACTGCA	TGACTGACAA	ACTGTGCCCTA
vndMper	----	CAAA	TGATCCGATA	CGAGTATGAT	C	----	GGA	ATCTTTGCAA	AAT
vndMpse	----	GAAAG	TGTGC	AGA	GGAAGTTGGC	C	----	GCA	T
vndMsec	----	GAAAG	TGCGC	AAA	GGAAGTTGGT	C	----	GCA	C
vndMsim	----	GAAAG	TGCGC	AAA	GGAAGTTGGT	C	----	GCA	C
vndMvir	----	GAAAG	TGCGC	AGA	GGAAGTTGT	A	----	GCC	A
vndMwil	GGAAATAGAAA	TAGGA	ATA	GGAAGTGTGT	CTTGTCTATA	A	----	AAG	GCA
vndMyak	----	GAAAG	TGCGC	AAA	GGAAGTTGAC	----	----	CAG	AGG

2941

vndMana	----	----	GGTCAACT	G	----	GCCAA	AAACC	AAAAA	AACAA	----	AA	AAAAA	TAATAA	AATAAA	GTGT
vndMere	----	GAG	TTGACCAACT	G	----	ACCCG	ACAACT	CCGTG	AACTC	----	CT	AAACT	CCCCA	ACTC	----
vndMgri	----	TGA	CTGACAAACT	GGCTAAC	AG	CTAACT	GGCA	ATCTG	AC	----	AC	AAACT	TGACAA	ACTG	----
vndMmel	----	CAG	TTGACCAACT	G	----	ACCCG	ACAACT	CGTA	GACTC	----	CT	----	----	AAAA	CCCC
vndMmoj	----	TGA	CTGACTAACT	GACTAACT	GG	CTAACT	GGCC	AACTG	GC	----	CG	CGACT	GCTCG	ACTC	----
vndMper	----	----	CCACTC	AAACAGCC	AG	CTAAT	GAAAA	AACTCTATCT	----	----	AA	AAAAAT	GGTCA	ATTG	CAGATT
vndMpse	TGTGGAAATGA	CTGACCAACT	G	----	ACCCG	GGAAC	TGGC	----	----	----	CT	CGAG	C	AC	----
vndMsec	----	CAG	TTGACCAACT	G	----	ACCCG	ACAACT	CGTA	GACTC	----	CT	AAAC	CCCC	TA	ACTC
vndMsim	----	CAG	TTGACCAACT	G	----	ACCCG	ACAACT	CGTA	GACTC	----	CT	----	AA	CCCC	CTA
vndMvir	----	TGA	ATGACAAACT	GACAACT	GG	CTAACT	GACA	AACT	----	----	AG	CCCCA	ACTG	----	CTA
vndMwil	----	AAG	TTGACCAAGT	G	----	ACCAA	GCAGCTAG	CA	TATAC	----	AG	AAAG	GAAAA	AAAG	GAGAG
vndMyak	----	----	TGGGCCAACT	G	----	ACCA	CCAACT	TCTA	AACAC	----	CT	AAAT	GGCTAA	ACTG	----

3011

vndMana	AA	----	----	----	----	AGAAAAAC	GCAGTGGGAC	GTGTAGT	----	G
vndMere	----	----	----	----	----	----	ACAGTGGGAA	GTGCAGCTCA	----	----
vndMgri	GACTTGACAAA	CTGACAGACT	GACCCAACTG	----	----	GCAGTGGC	ACAGTGGGAC	ACACGGCAC	----	----
vndMmel	AAACTCCCCAA	ATCTGGC	----	----	----	ACACTGAC	ACAGTGGGAA	GTGCAGCACA	----	----
vndMmoj	GGCTAACACACA	CTG	----	----	----	GCTCTGGC	ACAGTGGGAC	ACACGGCGC	----	----
vndMper	----	----	----	----	----	----	ACAAATGTAAC	TT	----	CCCCA
vndMpse	----	----	----	----	----	----	ACAGTGGGAC	ACGGA	ACTCA	----
vndMsec	AACTCCCCAAA	CTCTGGC	----	----	----	ACACTGAC	ACAGTGGGAA	GTGCAGCACA	----	----
vndMsim	AACTCCCCAAA	CTCTGGC	----	----	----	ACACTGAC	ACAGTGGGAA	GTGCAGCACA	----	----
vndMvir	----	----	----	----	----	GCAATGGC	ACAGTGGGAC	ACGCA	GTGC	----
vndMwil	AGAGAGAGAGAA	AAAGAGAAAAG	AGAGAGAGGG	ACA	----	AAATATAC	ACAGTGGGAC	ACAGAGCACA	----	----
vndMyak	AACTCGCAAA	CTCCCCAAAAC	TCTGACAAAAC	TGACAGGCTG	AAACGCTGAC	ACAGTGGGAA	GTGCAGCTCA	----	----	----

3081

vndMana	GAAAAACGAGC	AGGAA	----	AGGCCCGG	AAAAA-AGTC	GGAAAAACCA	TTTGTCAAGT	TA	----	TGGGCGC
vndMere	AAAAACGACT	TGGAA	----	AGACCAGG	ACAGGCAGGC	GGAAAAACCA	TTTGTCAAGT	TCCGGGGCGC	----	----
vndMgri	----	----	----	----	----	AAACCCA	TTTGTCAAGT	TC	----	GGGTT
vndMmel	AAAAACGACT	TGGAA	----	AGACCAGG	ACAGGCAGTC	GGAAAAACCA	TTTGTCAAGT	TTCCGGGGCGC	----	----
vndMmoj	----	----	----	----	----	AAACCCA	TTTGTCAAGT	TC	----	GGGTT
vndMper	AGTATGGATG	TGG	----	ATATATCG	GCAATTAGTT	TTATATACT	ATCGCAATGT	TATTTAAAGT	----	----
vndMpse	AAAAACGGAA	AGGAATCGGA	CGAAGCAACG	CAICAAAGAT	GAAAAACCA	TTTGTCAAGT	TCCGGGGCGC	----	----	----
vndMsec	AAAAACGACA	TGGAA	----	AGACCAGG	ACAGGCAGTC	GGAAAAACCA	TTTGTCAAGT	TCCGGGGCGC	----	----
vndMsim	AAAAACGACA	TGGAA	----	AGACCAGG	ACAGGCAGTC	GGAAAAACCA	TTTGTCAAGT	TCCGGGGCGC	----	----
vndMvir	----	----	----	----	----	AAACCCA	TTTGTCAAGT	T	----	TGGGTTT
vndMwil	GTG	----	----	----	----	AGAAAAACCA	TTTGTCAAGT	TTCTCGGCTC	----	----
vndMyak	AAAAACGACT	TGGGA	----	AGACCAGG	ACAGGCAGGC	GAAAAACCA	TTTGTCAAGT	TCCGGGGCGC	----	----

3151

vndMana	-----	-----	TAACT	CGCACTCGCA	CTCGGATCCT	CACAGCTGCC	CAAAATGAGA	TACAGATACG
vndMere	-----	-----	TA	CTCACC	-----	GAGATGCT	-ACAGCTGC-	-ACA-----G
vndMgri	TATTTTATGG	CTGTGGCACT	CACAAT	-----	TAGATGCT	CATAGCTGGC	TCTTGCA	-----G
vndMmel	-----	-----	TCTT	CTCACC	-----	GAGATCCT	-ACAGCTGC-	-----G
vndMmoj	TGCTTTATGG	CTGTGGCACT	CACAAT	-----	TAGATGCT	CATAGCTGC	-----	-----G
vndMper	-----	-----	ATCTTAACT	CTGTCTTAC	-----	GTGAGTCT	TAT-TCTGT	-----G
vndMpse	-----	-----	ACT	CGCAGCTCCT	CAAGCATCCT	TACAGCTGC	-----	-----G
vndMsec	-----	-----	TC	CTCACC	-----	GAGATCCT	-ACAGCTGC-	-----G
vndMsim	-----	-----	TC	CTCACC	-----	GAGATCCT	-ACAGCTGC-	-----G
vndMvir	ACTT-TATGG	CTATGGCACT	CACAAT	-----	TAGATACT	CATAGCTGAC	TCTCGCA	-----G
vndMwil	TTTTGGGTTT	ATGGCCCACT	CACAAT	-----	-CAGATCCT	CACAGCCG	-----	-----G
vndMyak	-----	-----	TA	CTCACC	-----	GAGATCCT	-ACAGCTGC-	-----G

3221

vndMana	AAATACCTAT	ACACTCTCAG	ATACAGATAC	AGATA	-----	-----	CAGAT	ACAA
vndMere	AGGTACATAT	GGCTGCACAG	ATACA-ATGC	G	-----	-----	CAGAT	ACAA
vndMgri	CTGTAGCTGT	ACACACAC	ATACAAATGC	ACACA	-----	-----	GTAT	GTAGCTTGTT
vndMmel	AGATACATAT	ACTCGTACGA	GCACAAATGC	GAAAG	-----	-----	CAGAT	ACAA
vndMmoj	AGGTCTCTGT	A-----GCAG	CTGTAGACAC	ACACA	-----	-----	CATAG	ACAG
vndMper	TTGTATCCAT	ATATGTATCA	GTACCAATGC	GTATATATAG	CCTTCGATAT	TTATCCAAAA	ATATTTATTTT	-----
vndMpse	-GAAATATGT	ACCTCTGCCG	CTATAGACAC	TCTTA	-----	-----	CGAAC	ACAG
vndMsec	AGATACATGT	ACTCATACCA	GCACAGATGC	GAAAG	-----	-----	CAAAAT	ACAA
vndMsim	AGATACATGT	ACTCATACCA	GCACAGATGC	GAAAG	-----	-----	CAAAAT	ACAA
vndMvir	CTGTAAATAC	ACACACACTC	ACACACACAC	GCACA	-----	-----	CACGC	ATAC
vndMwil	ATCTATTTCAT	GCTGCTCTC	TCTCTTTCTC	TCTCT	-----	-----	CAGCC	AAAG
vndMyak	ACATACATAT	ACATATACAG	-TACAGATGC	GAAAG	-----	-----	CAAAAT	ACAT

3291

vndMana	--TGGCGGGA	-----	-----	TGGTCTTTC	ATCCTTTTCA	AATTTGTA	TTATTTTTCAT
vndMere	--TGGCGGGA	CGCATCTCAG	ACGTCCCTGC	-----	GTCCCTCTT	CGA	TTAGCC
vndMgri	ATTCTTCTTG	TC	TTTTTTT	TTTGT	ATTCCTTTT	TTTTTTA	TTAGTC
vndMmel	--TGGCGGGA	CACA	-----	-----	ATCCTATT	CGA	TTAGCC
vndMmoj	-----	-----	-----	-----	TTTTT	TTA	TTAGTC
vndMper	ATTAAAGCTAA	GGAAAAATCT	T-----TTTCTAC	ATATTTATTC	ACACCTTTTCC	TACTTTAAGT	TTA
vndMpse	--TGGAAAGA	-----	-----	-----	ATCCTTTT	TTA	TTAGTC
vndMsec	--TGGCGGGA	CACA	-----	-----	ATCCTCTT	CGA	TTAGCC
vndMsim	--TGGCGGGA	CACA	-----	-----	ATCCTCTT	CGA	TTAGCC
vndMvir	-----	-----	-----	-----	CAATTT	TTA	TTAGTC
vndMwil	-----	-----	-----	-----	TT	ATTTTTT	TTAATC
vndMyak	--TGGTGGGA	TGCA	-----	-----	ATCCTCCT	CGA	TTAGCC

3361

vndMana	TTTGAAATGAG	GC	CGTG	-----	-----	-----	AAT	GATCC
vndMere	---AACGAT	CC	TGAG	-----	-----	-----	AAT	GATCC
vndMgri	---AATGAG	GT	TGTCC	CGCCCTTTGT	GTGAGGCT-G	CGTGCCCTTCA	ATCGTTTAGC	GATCCATTGA
vndMmel	---AATGAT	CC	GGTG	-----	-----	-----	AAT	GATCC
vndMmoj	---AATGAG	GC	TGTGT	CGCCCTTTGT	CTGAGGCTGG	CCTGCCCTTCA	ATCGTTTAGC	GATCCATTGA
vndMper	---AAT--T	CT	CGTG	-----	-----	-----	AAT	GTGCC
vndMpse	---AATGAG	CT	ATTG	-----	-----	-----	AAT	GATCC
vndMsec	---ATTGAT	CC	GGTG	-----	-----	-----	AAT	GATCC
vndMsim	---ATTGAT	CC	GGTG	-----	-----	-----	AAT	GATCC
vndMvir	---AATGAG	CT	TGTCC	CGCCCTTTGT	GTGTGGCT-G	CGTGCCCTTCA	ATCGTTTAGC	GATCCATTGA
vndMwil	---AATGAG	ATGTGTGTGT	GTGTGTGTGT	GTGTGTCTT	-----	-----	TTCT	CTTTTC
vndMyak	---AATGAT	CC	CGTG	-----	-----	-----	AAT	GATCC

3431

vndMana	-----	-----	AACC	TCTTCTCTGA	AG	-----	-----	-----
vndMere	-----	-----	AACC	TCTCTT	-----	-----	-----	-----
vndMgri	CTCGAAATCG	AAGTG-AGGC	TCTTGCTTGG	AGT--ACACA	ACATCCGCTT	CT	-----	CA
vndMmel	-----	-----	AACC	TTT-----TGA	AGCCAAAGTA	CGGGTTGCCC	TT	-----
vndMmoj	CTTAAAGTCA	ACGTGAGCC	ACTGCGCTGG	AGAGCGCTCA	ACATCCGCTG	CC	-----	TCGAGCC
vndMper	-----	-----	TCTATCT	TTTCTTTT	-----	-----	-----	-----
vndMpse	-----	-----	AACC	TCT--ACTGA	AGA	-----	-----	-----
vndMsec	-----	-----	AACC	TCT--TTTGA	AGCCAAAGTA	CGGGTTGCCA	TA	-----
vndMsim	-----	-----	AACC	TCT--TTTGA	AGCCAAAGTA	CGGGTTGCCA	TA	-----
vndMvir	CCCAAAGTCC	AAAT--GAGGT	ACTGCGATGG	AGA--GCACA	ACATCCGCTG	TTGAGTTCC	ATTCCGATTTC	-----
vndMwil	-----	-----	GCTC	TCTGCTTTGA	AGTGCA-GCA	ACATCCGCTT	CT	-----
vndMyak	-----	-----	AACC	TCT--CAGG	AGGCTGGACA	A	-----	-----

3501

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vndMana -----
vndMere -----
vndMgri AGATTCCGAT TCCGATTTC AATCCGATTC CAATTCGAT TCGTAGTCC TTTCAATAA -AGC CACAAAAAAA
vndMmel TCGAAGTTTGA CTCTGATTCC GATTCCTCTT CCTATTGAGC GTGATGTCC TCTCAATAA -AGGCCATGA
vndMmoj TCGAAGTTTGA CTCTGATTCC GATTCCTCTT CCTATTGAGC GTGATGTCC TCTCAATAA -AGGCCATGA
vndMper -----
vndMpse -----
vndMsec -----
vndMsim -----
vndMvir CGATTCCAT GCGGATACCG ATTGCTATGC CAACATCGAG CTCGATGTCC TTTCAATAG -AGGCCATGA
vndMwil -----
vndMyak -----

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3571

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vndMana AAAGGAAAAA AA----- ATC GGGGAGGAAG TCGCGAAAA TTAGGGAGG GGGCT--GGAA
vndMere AGCTGCAAGG GA----- ATT GTATTCA -AATGTATT CATTGTGGC ATGCA--AAAT
vndMgri AATGGCATT A----- ATC GTAT -T GCGGTGCAC GTGC--GGAA
vndMmel AGCTGCAAAAT GA----- ATT GTAT -T TCCGTGCAGC ATGCA--GAAT
vndMmoj AATGGCATT A----- G CCGCCATC CCGGTGCAGT TCGAATGGGC
vndMper AATTGTACAA AATCGTTAAA TTTCATCTTT AAGTAAATGT ATCTACATAT ATTCTGCGTA TAGCA--GAAT
vndMpse AGCGGTACAG ----- GCAAG GGGAT--GAAT
vndMsec AGCTGCAAAA TA----- ATT GTAT -TT CTTTTCGAGC ATGTA--GAAT
vndMsim AGCTGCAAAA TA----- ATT GTAT -TT CTTTTCGAGC ATGTA--GAAT
vndMvir AATGGCATT A----- GAGGCTGCA -C AATTCAAATGG GAAAC--GGGC
vndMwil AATGGCATT A-----
vndMyak AGTTGTAGAA AA----- CAC -TC CATTTCGAGC ATGCA--GAAT

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3641

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vndMana AAAGGGCGGT TCGAAAGTAG GAAGCCATCA ATCTGAGTTT -----
vndMere CGATTTTTTTT TGGCAAGCAA TAA--AATTG CTTTTAA -----
vndMgri GGGGCGCAAT CTGAAAGTAG GAAGTAATTT ATCTAAATTC TCTAAGCCGA ACGCATCAAA TCGCTT-----
vndMmel CTATTTTTTGT C-GCAAGCAA TAA--AATGG CTTTAAATTA TCAGA----- TTA AAACCTT-----
vndMmoj CGAGGGGAGAC TCGAAAGTAG GAAGTAATTT ATCTAAATTT TGTAAAGCTGC ACGCATCAAA TCGCTT-----
vndMper TATTTATTAAT TAGCAATTA TAT--AATCT GGCTTATATT ATAAATTTGCG ATGTGCTTAG ATATTTTATTT
vndMpse CCAG-----GT CCGAAAGTAG GAAGCAATTT GTCTCGAATG ----- CTCTCTCA ACACTT-----
vndMsec GTATTTTTTGT C-GCAAGCAA TAA--AATGG CTTTTAGTTA TCAGA----- TTA AAACCTT-----
vndMsim CGTTTTTTTGT C-GCAAGCAA TAA--AATGG CTTTAAATTA TCAGA----- TTA AAACCTT-----
vndMvir AAGGGGGAAC CTGAAAGTAG GAAGTAATTT ATCTAAATTT ACTAAGCCGA ACGCATCAAA TCGCTT-----
vndMwil GATTGTTAGC CCGAAAGGGA ----- GCTT-----
vndMyak CAATTTTTTGG C-GCAAGCAA TAA--AATTG CTTTAAATTT TTAG-----

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3711

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vndMana -----
vndMere -----
vndMgri -----
vndMmel -----
vndMmoj -----
vndMper CCTTTGAGCA CATACAATCA TGAG -----
vndMpse TGCATCCG AAAAT -----
vndMsec -----
vndMsim -----
vndMvir TGCATTCC GTATGGAATT CTGATTACGT TCCCTGTCCA GCTACATGCG CTAATGACAA
vndMwil TGCATTCC AAAAT -----
vndMyak TAAAATCA GAAA -----

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3781

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vndMana -----
vndMere -----
vndMgri CTGAATGAGT TTGTTTATCC CT -----
vndMmel TTGTGTGAAA GTCT----- C CT -----
vndMmoj CTGAATGATT ATGTCTATCC TT -----
vndMper TTGTGTGAAA GTAT----- C CT -----
vndMpse AGGTATCTAA GTATCTTTCC TTGGCGTTTC CCAGCCGAC TCGAAGCTCA TGTCAATTA G-----
vndMpse CTAAATGATA ATGATCCGCT TT -----
vndMsec CTGAATGTTT CTGT-TGTCC CT -----
vndMsim CTGAATGTTT CTAT-TGTCC CT -----
vndMvir TTGTGTGAAA GTAT----- C CT -----
vndMwil -----
vndMyak CTGAATGAGT TTGTTTATCC CT -----

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3851

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vndMana      ----- -CTTGGAGAA AAGAGT----- --TTGGGAG
vndMere      ----- -TAAA ATTGAC----- --TTCGGA-
vndMgri      -AAACATATA TTTAATTAAA ACTGAA----- --GGGA-
vndMmel      ----- -TAAA ATTGAC----- --TTCGGA-
vndMmoj      -TAAGCAAAC AAACAGCCAA AGAGAC----- --TCCTCA-
vndMper      ----- AA ATGTGCCAAA AACCAAC----- -TTGAGAC
vndMpse      ----- -CACTGCAAG AGGGAC----- AAG ATGTTGGAA
vndMsec      ----- -TAAA ATTGAC----- --TTCGGA-
vndMsim      ----- -TAAA ATTGAC----- --TTCGGA-
vndMvir      -AGCAAGCACG TAGAAATAAA AGAGATACTG AGAGTCTGAA GAGATTTTCTA ATAAATTTAAA GAATACAAA
vndMwil      ----- -AAC AGCAAC----- --AA-
vndMyak      ----- -CAAA ATTGAC----- --TTCGGA-

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3921

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vndMana      -ATGAA----- --AA TGTCAAAAAAC GTGATTTTTTT CATTTT-----
vndMere      ----- T----- -TG ACTCGAGAAT GGAAATCTTC TTCTCT-----
vndMgri      ----- T----- -TC CCCATAAAAG GGAAAGAGCGC AATTTG-----
vndMmel      ----- T----- -TG ACTCGAGGAT GGAAATCTTC TACTCT-----
vndMmoj      ----- C----- -AG TTAAC TGGGT ACAAATCTCT AGTTTGTTTG
vndMper      -ACGATCCGCC CCATTGCGCT CTCGTCTCTC GTCCGTGACA CTTCAGGCAA TCACATGCTT CATTAT--AG
vndMpse      ----- C----- -TT CTTCCTGGAT ATATGATTCC TTATT-----
vndMsec      ----- T----- -TG ACTCGAGAAT GGAAATCTTC TACTCT-----
vndMsim      ----- T----- -TG ACTCGAGAAT GGAAATCTTC TACTCT-----
vndMvir      ----- T----- -GA ATTCGATTTC AAAGACGCTT TCTTT-----
vndMwil      ----- T----- -AA CAACAACAAC AACAAATATGC T-----
vndMyak      ----- T----- -TG ACTCGAGAAT GGAAATCTTC TACTCC-----

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3991

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vndMana      ----- -TAACAAAA-----
vndMere      ----- -CGGTCGTTT GGGATCACA A----- GCCACC
vndMgri      ----- -T----- -T AAAATCAACA----- -TA ATTTCGATATC
vndMmel      ----- -CGGTCGTTT GGGATCACA A----- -GCCACC
vndMmoj      -ACTCTGAATC TACTCAATCA ACAGCAATTT GCGTTTGAAT AAGCTGAAAT ATGATGTGTT ACATGTAAG
vndMper      -GCCCATCAAA GCTGAACCCC GCGACTGTCT TGGATGCAA TTTTCAATTGT TTATATTCGC ATTGCAATCC
vndMpse      ----- GAA ACGCTAATTT -CTCATAA -CTGGATT TGAATAATCT TGTGGATATT
vndMsec      ----- -CGGTCGTTT GGGATCAAAA----- -GCCACC
vndMsim      ----- -GGGCCGTTT GGGATCAAAA----- -GCCACC
vndMvir      ----- -AGTTC GGTGTCAAAAT----- -TTTAGCACAT CTTATATATG
vndMwil      ----- -ATCAAAA-----
vndMyak      ----- -GGGTCGTTT GGGATCGCAA----- -GCCACC

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4061

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vndMana      ----- -ACTGTACA AAA----- A AAATCTTTA-
vndMere      -CCA----- -AAGGCGGA AG----- -A ATATCTAAA-
vndMgri      -GCA----- -TTTAAA TGAATTA----- -A TTGTATTTAG
vndMmel      -CCA----- -AAGGCGGA AGA----- -A ATATGTAAG
vndMmoj      -TAG----- -ATATCAAA TGAAATATGC ATAGTTTTTA TTATATATAA
vndMper      -GCATCCGCGT GCACGGAAAC AGTCAGCCTG AGACGGCAGG GCATGCAATG CCAC TGGCAA AACTCTGGC
vndMpse      -TCA----- -AAGACAAA AGAGCAAA----- -A GAATTGCTC
vndMsec      -CCA----- -AAGGCGGA AGA----- -A ACATCTAAA
vndMsim      -CCA----- -AAGGCGGA AGA----- -A ACATCTAAA
vndMvir      -CTA----- -AATGCAAG AAAGGAACGA TTTGACCTGA ACAGATAAC
vndMwil      ----- -GTAGG AAGTAA----- -T TTATCTAAAT
vndMyak      -CCA----- -AAGGCGGA GGA----- -A ATATCTAAA-

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4131

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vndMana      --CAAAGGCC TTAAAAATTA----- --AAATTTT AAGTTT-----
vndMere      --CGACAAGC C----- --GACTGAT CAGCCC-----
vndMgri      -TTCAACTGAA TCGAAGAA----- --TGCTTAC AAGATC-----
vndMmel      --CGACAAGC C----- --GACTGAT CAGCCC-----
vndMmoj      -TCTTTAAGT GGAAGTAGAG ACTCCTTAGA ATAAACTATT AAATATATAT ATTTTTTTTTAA ATATTGCT-
vndMper      --TGACAAAC TGGCATTTAA----- --TGTCACA AAGTCA-----
vndMpse      --AAATTGAAC TTGATGAAAT COTOTAG----- --GATCCTT CGATCCCACC GTCTTATCAG AGAGAACTCT
vndMsec      --CGACGAGC C----- --GACTGAT CAGCCC-----
vndMsim      --CGACGAGC C----- --GACTGAT CAGCCC-----
vndMvir      ----- --ACTTCTT CAACCC TATC TTGCCACGGA ATCAATCCCT
vndMwil      -TTTGGTAAGC CAAAA----- --ACCCATT CAGTCC-----
vndMyak      --CAACAAGC C----- --GACCGAT CAGCCC-----

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4551

vndMana	-----	-----	-----	-----	-----	-----	-----
vndMere	-----	-----	-----	-----	-----	-----	-----
vndMgri	-----	-----	-----	-----	-----	-----	-----
vndMmel	-----	-----	-----	-----	-----	-----	-----
vndMmoj	TCTTCTAGAT	ATATGTATAT	ATCTAAATAG	AAAATTTAAA	TATAGTTTCT	ATAAGCCATA	TTA-----
vndMper	-----	-----	-----	-----	-----	-----	-----
vndMpse	GCTCTCTTTG	CTCTTTGCTC	AGATACCTTC	CCATCTTGAG	GATCCCTTTT	CTCTGGGCCA	TGGTAACGCC
vndMsec	-----	-----	-----	-----	-----	-----	-----
vndMsim	-----	CTGGGCA	AACAAATTAG	CAGGAATCAA	TAGAGTAATA	GACGGCTACA	GGATCACGCC
vndMvir	-----	CTCTTTT	AAGCACACGA	CTAAACGCTA	ATCATATATC	AATTTCTGTA	TCAACGACCT
vndMwil	AAAAATGCTTT	TCGCTTGAT	-----	-----	-----	-----	-----
vndMyak	-----	-----	-----	-----	-----	-----	-----

4621

vndMana	-----	-----	-----	-----	-----
vndMere	-----	-----	-----	-----	-----
vndMgri	-----	-----	-----	-----	-----
vndMmel	-----	-----	-----	-----	-----
vndMmoj	-----	-----	-----	-----	-----
vndMper	-----	-----	-----	-----	-----
vndMpse	TTCTTCGTGT	TGCCGTCCCC	TGCTTCCCC	TCCTCTCCTT	CTCTG
vndMsec	-----	-----	-----	-----	-----
vndMsim	AGC-----	-----	-----	-----	-----
vndMvir	TTATGGGGCA	-----	-----	-----	-----
vndMwil	-----	-----	-----	-----	-----
vndMyak	-----	-----	-----	-----	-----