M2: APPROXIMATE PATTERN MATCH

MATCH_STARTS AND_ENDS_AT MATCH_RATING MATCH_SPANS MATCH_WEIGHT COST_METRIC COST_VECTOR 10095 11095 0.47058824 1001 1883.0 0 (2 7 5 1 1 1 7 0)

FINEGRAIN ALIGNMENT WITHIN HPS INPUT SEQUENCE BETWEEN DNA SIGNATURE AND M2 [10095:11095] (47/100)

DNA_ SEQUENCE	DESCRIPTION	SIGNATURE_ STARTS	MATCHING_ STARTS_AT	SIGNATURE_ ENDS	MATCH_ENDS_AT
HPS INPUT SEQUENCE	(SIGNATURE + TESTSEQUENCE)	SIGNATURE BP= 0	TESTSEQUENCE BP= 10100)	SIGNATURE BP= 1101)	TESTSEQUENCE= 11201)
DNA SIGNATURE		BP-INDEX= 0		BP- INDEX= 1101	
DNA TEST SEQUENCE	SUBSEQUENCE M2		BP- INDEX= 8999		BP-INDEX= 10100

M2 ALIGNMENT AT GENOMIC ADDRESS [9001] FOR INPUT TEST SEQUENCE IN FILE [HPS_1DNA_INPUT_SERIES_BASES.DNA]

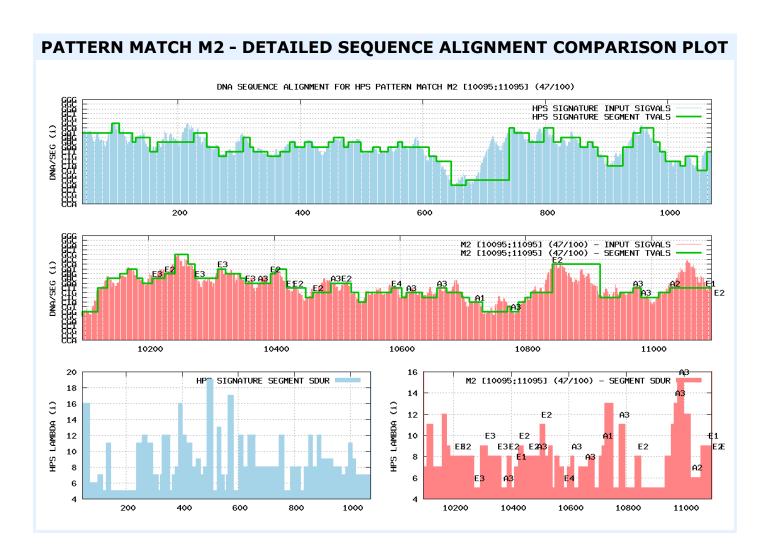
(SIG:M2): _3_ _6_ _7_ _8_ _9_ _10_ _11_ _12_ _13_ _14_ _15_ _16_ (SIG:M2): [9001]: (G G) (T T) (C C) (A A) (G G) (C C) (G G) (C C) (T T) (T A) (T T) (G G) (G G) (T T) (G T) (C C) (T T) (G G) (SIG:M2): [9021]: (A A) (A A) (G G) (A A) (C C) (G G) (G G) (A A) (C C) (A A) $(SIG:M2): [9041]: (G\ G) (T\ G) (T\ T) (C\ C) (G\ G) (G\ G) (G\ G) (C\ C) (\ \textbf{A}\ \textbf{C}) (T\ \textbf{A}) (T\ T) (A\ A) (G\ G) (G\ G) (G\ G) (C\ C) (C\ C$ (C C) (A A) (A A) $(SIG:M2): [9061]: \ (A\ A) \ (T\ G\) \ (G\ G) \ (T\ T) \ (T\ T) \ (C\ C) \ (G\ G) \ (G\ G) \ (A\ C) \ (G\ G) \ (G\ G) \ (T\ T) \ (T\ T) \ (G\ G) \ (G\ G) \ (G\ G)$ (G G) (A A) (A A) (C C) (G G) (T T) (T T) (T T) (C C) (A A) (T A) (T T) (A A)(C C) (T T) (T T) (C C) $(C C) (G G) (G G) \begin{pmatrix} G \\ T \end{pmatrix}$ (SIG:M2): [9101]: (A A) (C C) $(T\ T)\quad (A\ A)\quad (T\ T)\quad (C\ C)\quad (A\ A)\quad (A\ A)$ (G G) (A A) (A A) (A A) (T T) (C C) (AC) (T T) (C C) (T T) (G G) (A A) (T T) (C C) (**A C**) (T T) (T T) (C C) (C C) (T T) (A A) (G T) (T T)(SIG:M2): [9141]: (G G) (T T) (C C) (A A) (A A) (A A) (T T) (C C) (G G) (T T) (T T) (A A) (C C) (T T) (C C) (G T) (T T) (SIG:M2): [9161]: (T T) (A A) (T T) (C C) (C C) (C C) (C C) (A A) (T T) (T A) (T T) (T T) (G G) (G G) (C C) (A A) (A A) (T T) (G G) (SIG:M2): [9181]: (C C) (T G) (G G) (C C) (A A) (C C) (C C) (A A) (T T) (G G) (A A) (C C) (G G) (C C) (C C) (SIG:M2): [9201]: (A A) (A A) (G G) (A A) (A A) (G G) $(C\ C) \quad (T\ T) \quad (C\ C) \quad (T\ T) \quad (C\ C) \quad (C\ A) \quad (G\ G) \quad (G\ G) \quad (G\ T) \quad (A\ A) \quad (C\ C) \quad (A\ A) \quad (T\ T)$ (SIG:M2): [9221]: (G G) (C C) (C A) (C C) (A A) (A A) (G G) (G G) (T T) (C C) (T T) (T G) (G G) (T T) (G G) (A A) (T T) (T T) (A C) (G G) (SIG:M2): [9241]: (C C) (TG)(CA)(C C) $(G\ G) \quad (C\ C) \quad (\ \textbf{A}\ \textcolor{red}{\textbf{C}}\) \ (G\ G) \quad (C\ C) \quad (T\ T) \quad (G\ G) \quad (A\ A) \ (T\ T) \quad (\ \textbf{G}\ \textcolor{red}{\textbf{T}}\) \ (G\ G)$ (SIG:M2): [9261]: (G G) (C C) (CA) (A A) (C C) $\frac{(G)}{(G)}$ $(T\ T) \quad (C\ C) \quad (\mathbf{A}\ \mathbf{C}) \ (G\ G) \quad (T\ T) \quad (\mathbf{A}\ \mathbf{A}) \quad (\mathbf{C}\ \mathbf{A}) \quad (T\ T) \ (\mathbf{A}\ \mathbf{A}) \quad (\mathbf{C}\ C) \quad (\mathbf{C}\ C) \quad (\mathbf{G}\ G) \quad (\mathbf{A}\ \mathbf{A}) \quad (\mathbf{T}\ \mathbf{A})$ (SIG:M2): [9281]: (G G) (A A) (C C) (C C) (T T) (A A) (C C) (C C) $(C\ C)\ (G\ G)\ (C\ C)\ (C\ C)\ (A\ A)\ (T\ T)\ (A\ A)\ (A\ A)\ (C\ C)\ (A\ A)\ (T\ T)\ (C\ C)\ (G\ G)\ (T\ T)\ (G\ G)$ (SIG:M2): [9301]: (A A) (G G) (C C) (G G) (TA) $(A\ A) \quad (T\ T) \quad (A\ A) \quad (T\ T) \quad (C\ C) \quad (\ \textbf{T}\ \textbf{G}\) \ (\ \textbf{C}\ \textbf{A}\) \ (T\ T) \ (A\ A) \quad (C\ C)$ (T T) (G G) (C C) (C C) (G G) (SIG:M2): [9321]: (T T) (C C) (C C) (G G) (T T) (A A) (G G) (C C) (T T) (G G) (A A) (C C) (G G) (C C) (G G) (SIG:M2): [9341]: (A A) (T T) (T T) (T T) (A A) (C C) (G G) (SIG:M2): [9361]: (C C) $(\mathsf{T}\mathsf{G})(\mathsf{C}\mathsf{A})(\mathsf{G}\mathsf{G})$ (A A) (A A) (A A) (G G) (G G) (C C) (G G) (C C) (**C A**) (C C) (A A) (G G) (A A) (SIG:M2): [9381]: (G G) (C C) (T T) (G G) (C C) (A A) (T T) (T T) (A A) (T T) (C C) (**T**G)(CC) (GG)(GG) (GG) (C C) (G G) (C C) (C C) (C C) (G G) (G G) (A A) (T T) (G G) (C C) (SIG:M2): [9401]: (A A) (**TG**) (GG) (CC) (GG) (CC) (G G) (T T) (A A) (G G) (A A) (A A) (A A) (A A) (T A) (G G) (C C) (C C) (C C) (C C) (SIG:M2): [9421]: (G G) (T T) (C C) (C C) (C C) (A A) (G G) (G G) (T T) (A C) (T T) (G G) (A A) (C A) (T T) (G G) (G G) (SIG:M2): [9441]: (T T) (C C) (SIG:M2): [9461]: (G G) (A A) (T T) (C C) (T T) (G G) (G G) (C C) (A A) (T A) (A A) (G A) (G A) (A A) (G G) (T T) (SIG:M2): [9481]: (C C) (A A) (C C) (C C) (G G) (C C) (A A) (G G) (A A) (T A) (G G) (C C) (C C) (T T) (A A) (G T) (A A) (G G) (A C) (T T) $(C\ C) \quad (\ C\ A) \ {(\ C \ G\)}$ (SIG:M2): [9501]: (CG)(CG)(CA)(CC) $(\,\textbf{C}\,\textbf{G}\,) \,\, (\,\textbf{C}\,\textbf{A}\,) \,\, (\,\textbf{C}\,\textbf{G}\,) \,\, (\,\textbf{C}\,\textbf{C}\,) \,\, (\,\textbf{C}\,\textbf{T}\,) \,\, (\,\textbf{C}\,\textbf{G}\,) \,\, (\,\textbf{C}\,\textbf{G}\,) \,\, (\,\textbf{C}\,\textbf{A}\,) \,\, (\,\textbf{C}\,\textbf{C}\,) \quad (\,\textbf{C}\,\textbf{G}\,) \,\, (\,\textbf{C}\,\textbf{G}\,) \,\, (\,\textbf{C}\,\textbf{C}\,) \,\, (\,\textbf{C}\,\textbf{G}\,) \,\, (\,\textbf{$ (SIG:M2): [9521]: (CT) (CT) $\binom{C}{G}$ (CC) (CC) $\binom{C}{G}$ $(G\ G) \quad (\ \textbf{C}\ \textbf{T}\) \ (G\ G) \quad (G\ G) \quad (C\ C) \quad (C\ C) \quad (T\ T) \ (G\ G) \quad (C\ C) \quad (A\ A) \quad (G\ G) \quad (\ \textbf{T}\ \textbf{A}\)$ (SIG:M2): [9541]: (A A) (TG)(C C) (G G) (A A) (A A) (A A) (A A) (A A) (TA)(G G) (A A) (CA) (CC) (G G) (A A) (CC) (SIG:M2): [9561]: (T T) (\mathbf{T} (C C) (C C) (G G) (\mathbf{G} $(T\ T) \quad (C\ C) \quad (\ \textbf{A}\ \textbf{C}\) \ (\ \textbf{T}\ \textbf{A}\) \ (C\ C) \quad (\ \textbf{T}\ \textbf{G}\) \ (T\ T) \quad (C\ C) \ (G\ G) \quad (\ \textbf{G}\ T) \ (G\ G) \quad (\ \textbf{G}\ G) \quad (\ \textbf{A}\ \textbf{C}\) \ (T\ T)$ (SIG:M2): [9581]: (T T) (A A) (T T) (G G) (A A) (G) $(T\ T) \quad (T\ T) \quad (G\ G) \quad (G\ G) \quad (T\ T) \quad (G\ G) \quad (C\ C) \quad (C\ C) \quad (A\ A) \quad (A\ A) \quad (G\ G) \quad (\ \textbf{A}\ \textbf{C}) \quad (G\ G) \quad (A\ C) \quad (C\ C) \quad ($ (SIG:M2): [9601]: (C C) (A A) ($\mathbf{C} \mathbf{A}$) (C C) (A A) $\mathbf{C} \mathbf{C}$ $(C\ C) \quad (C\ C) \quad (T\ T) \quad (G\ G) \quad (C\ C) \quad (\ T\ G\) \quad (G\ G) \quad (A\ A) \quad (T\ T) \quad (G\ G) \quad (C\ C) \quad (T\ T) \quad (G\ G) \quad (G\ G)$

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(SIG:M2): [9621]: (T T) (T G) (G G) (A A) (T T) (A A) (G G) (A A) (G G) (C C) (T T) (G G) (T T) (C C) (G G) (C C)
                                                                    (C C) (C C) (A A) (T T) (C C) (G G) (T T) (T T) (C C) (C C) (T G) (G G) (C C) (G G) (C C)
                                                                     (T T)
                                                                                       (C C) (T T) (G G) (C C)
                                                                                                                                                                   (G G) (G G) (A A) ( T A) (G G)
                                                                                                                                                                                                                                                                  (A A) (T T) (G G) (T T) (G G)
                                                                                       ( C A ) (T T) (G G) (A A) (A A) (T T) ( A C ) (C C) (A A)
                                                                      (A A)
                                                                                                                                                                                                                                                                    (TG)(CA)(CC)(GG)(GG)
                                                                      (T T)
                                                                                       (C C) (C C) (T T) (C C)
                                                                                                                                                                  (T T) (C C) (AC) (TA) (AA)
                                                                                                                                                                                                                                                                      (C C) (G G) (G G) (T T) (C C)
                                                                     ( \begin{tabular}{c} \textbf{T} \begin{tabular}{c} \textbf{G} \end{tabular} ) ( \begin{tabular}{c} \textbf{C} \end{tabular} ) ( \
                                                                                                                                                                                                                                                                      (C\ C)\quad (G\ G)\quad (T\ T)\ (G\ G)\quad (C\ C)
                                                                       (C\ C) \quad (G\ G) \quad (C\ C) \quad (C\ C) \quad (A\ A) \quad (T\ T) \quad (T\ T) \quad (A\ A) \quad (C\ C) \quad (C\ C) 
                                                                                                                                                                                                                                                                  (TG)(CC) (CC)(AA) (GT)(CC)
                                                                      (A A)
                                                                                         (CA)(TT)(TT)(CC)(CC)(TT)(AC)(GG)(AA)(AA)(CA)(CC)(CC)(GG)(AA)
(SIG:M2): [9781]: (T T)
                                                                    (C C)
                                                                                          (C C) (G G) (G G)
                                                                                                                                                                      (G G)
                                                                                                                                                                                                                                                                                                                                                                                                           (T T) (C C)
(SIG:M2): [9801]: (T T)
                                                                       (C C)
                                                                                           (G G)
                                                                                                           (G G) (T T) (C C)
                                                                                                                                                                     (A A)
                                                                                                                                                                                        (T T) (AC) (TA) (GG)
                                                                                                                                                                                                                                                                      (C C) (T T)
                                                                                                                                                                                                                                                                                                              (G G) (C C)
                                                                                                                                                                                                                                                                                                                                               ( G T ) (G G)
                                                                                                                                                                                                                                                                                                                                                                                         (G G)
                                                                                                                                                                                                                                                                                                                                                                                                           (AC)(GG)
(SIG:M2): [9821]: (C C)
                                                                     (T T)
                                                                                        (G G) (G G) (C C) (G G)
                                                                                                                                                                     (A A)
                                                                                                                                                                                        (G G) ( A C ) (G G) (G G)
                                                                                                                                                                                                                                                                      (T\ T)\quad (G\ G)\quad (C\ C)\ (G\ G)\quad (A\ A)\quad (A\ A)
                                                                                                                                                                                                                                                                                                                                                                                         (G G)
                                                                                                                                                                                                                                                                                                                                                                                                           (A A) (C C)
(SIG:M2): [9841]: (T T)
                                                                    (TG)(TT) (CC) (AA) (AA) (AA)
                                                                                                                                                                                       (A A) (T T) (G G) (A A)
                                                                                                                                                                                                                                                                      (A A) ( C A) (T T) (T T) ( G T) (G G)
                                                                                                                                                                                                                                                                                                                                                                                        (G G)
                                                                                                                                                                                                                                                                                                                                                                                                           (T T) (C C)
(SIG:M2): [9861]: (A A)
                                                                     (C C) (C C) (A A) (C C) (G G) (G G) (C C) (G G) (C C) (A A) (C A) (C C) (A A) (T T)
                                                                                                                                                                                                                                                                                                                                                                                        (C C)
                                                                                                                                                                                                                                                                                                                                                                                                           ( A C ) (G G)
(SIG:M2): [9881]: (G G)
                                                                     (T T) (T T) (A A) (A A) (A A)
                                                                                                                                                                     (G G) (A A) (T T) (G G) (T T) (T G) (G G) (A A) (G G) (A A)
                                                                                                                                                                                                                                                                                                                                                                    (A A)
                                                                                                                                                                                                                                                                                                                                                                                        (A A)
                                                                                                                                                                                                                                                                                                                                                                                                           (A A) (TA)
                                                                                                                                                  ( G
(SIG:M2): [9901]: (C C)
                                                                    ( T G ) (T T) (G G) (G G)
                                                                                                                                                                      (A A)
                                                                                                                                                                                       (A A) (T T) (G G) (A A)
                                                                                                                                                                                                                                                                      (T T)
                                                                                                                                                                                                                                                                                          (C C) (A A) (C C) (C C)
                                                                                                                                                                                                                                                                                                                                                                  (G G)
                                                                                                                                                                                                                                                                                                                                                                                         (C C) (AC)(C C)
                                                                    (TG)(CA)(AA) (CC) (CC) (AA) (CC) (GG) (GG) (TT) (TT)
                                                                                                                                                                                                                                                                                          (T T) (T T) (G G) (C C) (G G)
                                                                                                                                                                                                                                                                                                                                                                                        (G G) (T T) (G G)
(SIG:M2): [9921]: (A A)
(SIG:M2): [9941]: (G G)
                                                                     (A A) (C C) (G G) (A A) (A A) (G G) (C C) (A A) (T A) (C C) (A A)
                                                                                                                                                                                                                                                                                       (T T)
                                                                                                                                                                                                                                                                                                           (T T) (A A) (C C) (C C)
                                                                                                                                                                                                                                                                                                                                                                                        (T T) (G G) (C C)
(SIG:M2): [9961]: (A A) (A A) (\mathbf{C} \mathbf{A}) (\mathbf{C} \mathbf{C}) (\mathbf{C} \mathbf{C})
                                                                                                                                                                      (G\ G)\quad (C\ C)\quad (G\ G)\quad (T\ T)\quad (G\ G)\quad (T\ T)\quad (C\ C)\quad (A\ A)\ (C\ C)\quad (G\ G)\quad (C\ C)
                                                                                                                                                                                                                                                                                                                                                                                        (A A) (T T) ( T A )
                                                                                       (T T) (C C) (C C) (C C) (T T) (G G) (T T) (T T) (C C) (T G) (C A) (C C) (G G) (G G)
(SIG:M2): [9981]: (A A) (A A)
                                                                                                                                                                                                                                                                                                                                                                  (T T)
                                                                                                                                                                                                                                                                                                                                                                                        (A A) (AC)(G G)
 \overset{\text{(SIG:M2): [10001]}}{\cdot} (T \ T) \quad (T \ T) \quad (C \ A) \ (C \ C) \quad (A \ A) \quad (G \ G) \quad (G \ G) \quad (G \ G) \quad (A \ C) \quad (T \ A) \quad (T \ T) \quad (C \ C) \quad (A \ A) \quad (T \ T) \quad (C \ C) \quad (G \ G) \quad (C \ C) \quad (A \ A) \quad (C \ C) \quad (C \ C
(SIG:M2): [10021] (C C) (TG)(CA)(TT) (A A)
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DETAILED PATTERN MATCHING SUMMARY FOR M2

ORIG-SEG	OTVAL	MAPS?	MATCH-SEG	MTVAL	MATCH-QUALITY	WEIGTH
(44 60 16 35 MS)	(GAT)	***	n/a	- n/a -	NOTFOUND_WARNG	43
(92 98 6 37 MS)	(G C C)	***	n/a	- n/a -	NOTFOUND_WARNG	77
(104 111 7 35 MS)	(G A T)	***	n/a	- n/a -	NOTFOUND_WARNG	43
(126 131 5 33 MS)	(G A C)	>	(10206 10214 8 33 MS)	(G A C)	APPROX64_MATCH	27
(131 142 11 34 MS)	(G A G)	>	(10226 10234 8 34 MS)	(G A G)	APPROX32_MATCH	12
(154 159 5 31 MS)	(CTT)	***	n/a	- n/a -	NOTFOUND_WARNG	57
(166 171 5 33 MS)	(G A C)	>	(10274 10279 5 33 MS)	(G A C)	APPROX64_MATCH	13
(226 231 5 35 MS)	(GAT)	>	(10310 10319 9 35 MS)	(GAT)	APPROX64_MATCH	27
(247 258 11 32 MS)	(G A A)	>	(10354 10362 8 32 MS)	(G A A)	APPROX64_MATCH	24
(279 290 11 31 MS)	(CTT)	>	(10374 10379 5 32 MS)	(G A A)	APPROX64_MISPL	40
(307 314 7 34 MS)	(G A G)	>	(10394 10402 8 34 MS)	(G A G)	APPROX32_MATCH	12
(318 323 5 32 MS)	(G A A)	***	n/a	- n/a -	NOTFOUND_WARNG	NIL
(323 330 7 31 MS)	(CTT)	>	(10419 10426 7 31 MS)	(CTT)	EXACTING_MATCH	1
(334 346 12 31 MS)	(CTT)	>	(10430 10439 9 31 MS)	(CTT)	APPROX32_MATCH	13
(346 358 12 30 MS)	(CTG)	***	n/a	- n/a -	NOTFOUND_WARNG	37
(362 367 5 30 MS)	(CTG)	>	(10462 10470 8 30 MS)	(C T G)	APPROX32_MATCH	17
(383 391 8 33 MS)	(G A C)	>	(10490 10498 8 32 MS)	(G A A)	APPROX64_MISPL	28
(407 419 12 33 MS)	(G A C)	***	n/a	- n/a -	NOTFOUND_WARNG	NIL
(419 430 11 32 MS)	(G A A)	>	(10507 10518 11 32 MS)	(G A A)	APPROX32_MATCH	7
(446 454 8 33 MS)	(G A C)	***	n/a	- n/a -	NOTFOUND_WARNG	61
(454 463 9 34 MS)	(G A G)	***	n/a	- n/a -	NOTFOUND_WARNG	73
(471 478 7 32 MS)	(G A A)	***	n/a	- n/a -	NOTFOUND_WARNG	41
(478 486 8 33 MS)	(G A C)	***	n/a	- n/a -	NOTFOUND_WARNG	54
(499 518 19 31 MS)	(CTT)	>	(10586 10591 5 31 MS)	(CTT)	SPANNING_MATCH	64
(518 523 5 32 MS)	(G A A)	***	n/a	- n/a -	NOTFOUND_WARNG	41
(530 543 13 31 MS)	(CTT)	>	(10610 10618 8 30 MS)	(C T G)	APPROX64_MISPL	51
(543 550 7 32 MS)	(G A A)	***	n/a	- n/a -	NOTFOUND_WARNG	37
(554 559 5 32 MS)	(G A A)	>	(10659 10666 7 31 MS)	(CTT)	APPROX64_MISPL	34
(610 622 12 30 MS)	(CTG)	***	n/a	- n/a -	NOTFOUND_WARNG	47
(622 630 8 29 MS)	(CTC)	>	(10719 10728 9 28 MS)	(CTA)	EXACTING_MISPL	22
(646 658 12 24 MS)	(C G A)	***	n/a	- n/a -	NOTFOUND_WARNG	46
(670 678 8 25 MS)	(C G C)	>	(10776 10787 11 26 MS)	(C G G)	APPROX64_MISPL	39
(741 749 8 36 MS)	(G C A)	>	(10842 10850 8 36 MS)	(G C A)	APPROX32_MATCH	6
(773 778 5 33 MS)	(G A C)	***	n/a	- n/a -	NOTFOUND_WARNG	62
(797 805 8 36 MS)	(G C A)	***	n/a	- n/a -	NOTFOUND_WARNG	50
(813 821 8 33 MS)	(G A C)	***	n/a	- n/a -	NOTFOUND_WARNG	86
(825 830 5 34 MS)	(G A G)	***	n/a	- n/a -	NOTFOUND_WARNG	98
(845 853 8 34 MS)	(G A G)	***	n/a	- n/a -	NOTFOUND_WARNG	74
(857 869 12 32 MS)	(G A A)	***	n/a	- n/a -	NOTFOUND_WARNG	38
(869 877 8 33 MS)	(G A C)	***	n/a	- n/a -	NOTFOUND_WARNG	58

(877 885 8 32 MS)	(G A A)	>	(10970 10983 13 31 MS)	(CTT)	APPROX64_MISPL	38
(885 897 12 30 MS)	(C T G)	***	n/a	- n/a -	NOTFOUND_WARNG	25
(901 910 9 28 MS)	(CTA)	>	(10983 10998 15 29 MS)	(CTC)	APPROX64_MISPL	53
(926 935 9 32 MS)	(G A A)	>	(11029 11035 6 31 MS)	(CTT)	APPROX32_MISPL	36
(955 963 8 36 MS)	(G C A)	***	n/a	- n/a -	NOTFOUND_WARNG	NIL
(976 983 7 33 MS)	(G A C)	***	n/a	- n/a -	NOTFOUND_WARNG	55
(987 995 8 31 MS)	(CTT)	>	(11086 11095 9 31 MS)	(CTT)	EXACTING_MATCH	8
(996 1007 11 29 MS)	(C T C)	***	n/a	- n/a -	NOTFOUND_WARNG	NIL
(1011 1020 9 29 MS)	(C T C)	>	(11099 11107 8 29 MS)	(CTC)	APPROX32_MATCH	11
(1020 1027 7 28 MS)	(CTA)	>	(11127 11135 8 28 MS)	(CTA)	APPROX64_MATCH	16
(1064 1071 7 31 MS)	(CTT)	***	n/a	- n/a -	NOTFOUND_WARNG	81



PATTERN MATCH M2 - PAIRWISE SEQUENCE ALIGNMENT PLOT AND HISTOGRAMS

