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Hematodinium_DVNP.1 .....
Hematodinium_DVNP.2 .....
Hematodinium_DVNP.3 .....
Hematodinium_DVNP.4 .....
Hematodinium_DVNP.5 .....
Hematodinium_DVNP.6 .....
Hematodinium_DVNP.7 .....
Hematodinium_DVNP.8 .....
Hematodinium_DVNP.9 ATGGTGATGGAGCCGACGGAAAAATCGGCGAAATCGGCGATGAAGGTCACAAAGGCGACG
Hematodinium_DVNP.10 .....
Hematodinium_DVNP.11 .....
Hematodinium_DVNP.12 .....
Hematodinium_DVNP.13 .....

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Hematodinium_DVNP.1 .....
Hematodinium_DVNP.2 .....
Hematodinium_DVNP.3 .....
Hematodinium_DVNP.4 .....
Hematodinium_DVNP.5 .....
Hematodinium_DVNP.6 .....
Hematodinium_DVNP.7 .....
Hematodinium_DVNP.8 .....
Hematodinium_DVNP.9 AAAAAATCGGCGACGAAGGTCGCACCGGGAAGTCGGCGATGAAGGTCGCGCAGGCA
Hematodinium_DVNP.10 .....
Hematodinium_DVNP.11 .....
Hematodinium_DVNP.12 .....
Hematodinium_DVNP.13 .....

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Hematodinium_DVNP.1 .....1.....10.....20.....
Hematodinium_DVNP.2 .....ATGGCG...ATGAAGGGAATGAAGAAGGCA
Hematodinium_DVNP.3 .....
Hematodinium_DVNP.4 .....
Hematodinium_DVNP.5 .....ATGGCG
Hematodinium_DVNP.6 .....ATGGCGGCGATGAAAA...
Hematodinium_DVNP.7 .....
Hematodinium_DVNP.8 .....
Hematodinium_DVNP.9 ACGGAAAAAGTCGACGATGAAGGTCACAGAGGCGACGGAAAAAGTCAGCGATGAAGGTCACA
Hematodinium_DVNP.10 .....ATGGCG...AAAGTGATGAAGAAGGCTGCC
Hematodinium_DVNP.11 .....
Hematodinium_DVNP.12 ATGAAGA...TGGCAATGAATCCGCTAAGAAATCC...AGCGCCAAAAAGACAGCGCC
Hematodinium_DVNP.13 .....ATGGCG...ATGAAGGGAATGAAGAAGGCA

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Hematodinium_DVNP.1 ...30...40...50...60...70...
Hematodinium_DVNP.2 ...ATGCAATGAAGAAGGCAATGAAGCGATGAAGTGA...
Hematodinium_DVNP.3 ...ATGGCTATGAAAGGAATGAATCGATGAAGTGA...
Hematodinium_DVNP.4 ...AAAAGGC.GATG..CGA...AGGGCGGCATGAAGAATCCGCCAAGCCGAAGGGC
Hematodinium_DVNP.5 ...AAGCAATGAAAGTCAAGAGTCTGCCAAGAAATCAGCAAGAAGTCTGGGAAAA
Hematodinium_DVNP.6 ...ATG..GCAAGGCAATGAAAAGGCGATGAAAGCCAAGAAGTCCAGC
Hematodinium_DVNP.7 ...ATGGCTATGAAAGCAATGAATCGATGAAGTGA...
Hematodinium_DVNP.8 ...ATGGCAATGAAGGCAATGAAGGCAAAAAGAGCA...
Hematodinium_DVNP.9 AAGACGACGAAAAAGTCGGCGATGAAGGTCCGAGGTGATGAAGTCC...GGAAAA
Hematodinium_DVNP.10 ...AAGAAGGC...CATGAATCCGCAAGAAAGAGCGGCCAAAAAGCGCAAAAG
Hematodinium_DVNP.11 ...ATGGCAATGAAGGCAATGAAGGCAATAAAGCGA...
Hematodinium_DVNP.12 ...AAGAAGACCAAGTGCCAAAAGACCGGTGCCAAGAGACCGGTGCCAAGAAGACCAG.
Hematodinium_DVNP.13 ...ATGAAGGC...CAAAATCATCCGGGAAGAAATCCGGGAAGAAATCCGGGAAA

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Hematodinium_DVNP.1 ...80...90...100...110...120...130...
Hematodinium_DVNP.2 AAAGGCAGGATGAAGCGCAAGGCAAGCGAGTTAGCAAAATTCGCTAAGGG...AAACCGC
Hematodinium_DVNP.3 GGAAAAAGGCATGAAGAAAGGCGAAACGCGTCAGTAAAGTTGCGCAAAGG...AAAGCGC
Hematodinium_DVNP.4 GGGAAAGGCATGAAGAAAGGCGAAACGCGTCAGTAAAGTTGCGCAAAGG...AAAGCGC
Hematodinium_DVNP.5 GGCAAAAGAAAGGCATGAAGAAAGGCGAAACGCGTCAGTAAAGTTGCTAAGGG...CAAGCGT
Hematodinium_DVNP.6 AAGGGTGGCATGAAGAAAGGCGAAACGCGTCAGTAAAGTTGCGCAAGGG...AAACCGC
Hematodinium_DVNP.7 GCCAAAAAGGGCAAGAAATCCTCCAAAGCTCACTCCAAAGTTGCGGAAGGG...TAAGCGC
Hematodinium_DVNP.8 GGGAAAAGGCATGAAGAAAGGCGAAACGCGTCAGTAAAGTTGCGCGAAGGG...AAAGCGC
Hematodinium_DVNP.9 GGAAAAAGGCATGAAGAAAGGCGAAACGCGTTAGTAAAGTTGCTCCGAGGG...AAAGCGC
Hematodinium_DVNP.10 AAGGTCGGCATGAAGAAAGGCGAAACGCGTCAGTAAAGTTGCGGCAAGGG...GAAAGGC
Hematodinium_DVNP.11 AAAGGCGGCAAGAAAGGCGAAACGCGTCAGTAAAGTTGCGGCAAGGG...AAAGCGC
Hematodinium_DVNP.12 GGAAAAAGGCATGAAGAAAGGCGAAACGCGTTAGTAAAGTTAGCTACGAGGAAGCGTC
Hematodinium_DVNP.13 ..CGCCATGAAGAAAGACCGCAAGCGCTGAGCAAGGTTGCGCCAGGG...AAAGCGC
AAAGGCAGGATGAAGCGCAAGGCAAGCGAGTTAGCAAAATTCGCTAAGGG...AAACCGC

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	140	150	160	170	180	190
Hematodinium_DVNP.1	GC AAAATCGTCTGTGTTCCG	TGGACGAAAGAAAGAC	TGGCGGGGGCTGAAG	AGAGT		
Hematodinium_DVNP.2	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	ATCAGGAGAT	TGACGAA	ATCC	
Hematodinium_DVNP.3	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	ACCAAGGCGAT	TGACGAA	ATCC	
Hematodinium_DVNP.4	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCCGGCGCC	TCAAGCGGAGC		
Hematodinium_DVNP.5	GC AAAATCATCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TAAACCA	GAAAT	
Hematodinium_DVNP.6	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TGAAAGAA	AGAT	
Hematodinium_DVNP.7	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TGACGAA	ATCC	
Hematodinium_DVNP.8	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TGACGAA	ATCC	
Hematodinium_DVNP.9	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TGACGAA	ATCC	
Hematodinium_DVNP.10	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TGACGAA	ATCC	
Hematodinium_DVNP.11	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TGACGAA	ATCC	
Hematodinium_DVNP.12	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TGACGAA	ATCC	
Hematodinium_DVNP.13	GC AAAATCGTCTGTGTTCCG	AGGACGAAAGAAAGAC	CTCAGGCGAT	TGACGAA	ATCC	

	200	210	220	230	240	250
Hematodinium_DVNP.1	GATTTGACGCGCTCTAAATCT	GGGAAAGTCGCTCTC	GAAGAA	GTCCCAA	CGCCTGGT	CGT
Hematodinium_DVNP.2	GGACTTGTCAAAATAAGCGA	GGCAAGTCGCTCTC	GAAGAA	AAAACAT	GAGTTGGG	AAAG
Hematodinium_DVNP.3	GGACTTGTCAAAATAAGCGA	GGCAAGTCGCTCTC	GAAGAA	AAAACAT	GAGTTGGG	AAAG
Hematodinium_DVNP.4	GATCTTTGCAGAAATAAGCGA	GGCAAGTCGCTCTC	GAAGAA	AGCTTCA	GAGCGG	AAAG
Hematodinium_DVNP.5	TCACCTGGTTAAATAAGCGA	GGCAAGTCGCTCTC	GAAGAA	AGCTTCA	GAGCGG	AAAG
Hematodinium_DVNP.6	GACCTGACGCGCAACAAAGT	GGCAAGTCGCTCTC	GAAGAA	AGCTTCA	GAGCGG	AAAG
Hematodinium_DVNP.7	GGACTTGTCAAAATAAGCGA	GGCAAGTCGCTCTC	GAAGAA	AAAACAT	GAGTTGGG	AAAG
Hematodinium_DVNP.8	GGGCTTGTCAAAATAAGCGA	GGCAAGTCGCTCTC	GAAGAA	AAAACAT	GAGTTGGG	AAAG
Hematodinium_DVNP.9	TTATTTGGTTAAATAAGCGT	GGCAAGTCGCTCTC	GAAGAA	CAGCTC	GAGCAAG	AAAG
Hematodinium_DVNP.10	GACTTAACCGAGAAGCAAGAA	GGCAAGTCGCTCTC	GAAGAA	TCCCAA	CTGCCG	CCGT
Hematodinium_DVNP.11	GGGCTTGTCAAAATAAGGTC	GGCAAGTCGCTCTC	GAAGAA	AAAACAT	GAGTTGGG	AAAG
Hematodinium_DVNP.12	GATTATGCGCGCAATAAAAT	GGCAAGTCGCTCTC	GAAGAA	GGCTCAG	GATATG	CAAG
Hematodinium_DVNP.13	GATTTGACGCGCTCTAAATCT	GGGAAAGTCGCTCTC	GAAGAA	GTCCCAA	CGTCAAT	GGCGT

	260	270	280	290	300	310
Hematodinium_DVNP.1	AAGGCATATCAAGAAACGG	CCCTCGCCAAAGTTC	ACCAAGAGCCGT	TCAAAGCG	GCAGGT	AAAG
Hematodinium_DVNP.2	AAGAACTACGGT...ACA	GGTCTCAAGAAATGG	ATTGATGCCGT	GACCAAG	GCAGGT	AAAG
Hematodinium_DVNP.3	AAGATCTATGGC...AAG	GGTATCAAGAAATGG	ATTGATGCCGT	GATGAAG	GCAGGT	AAAG
Hematodinium_DVNP.4	AAACGATTAAAGAAAGAG	CGGCTTGGGCGATTC	CGGAGGCCGT	TACAGAA	GCAGGT	AAAG
Hematodinium_DVNP.5	AAGATCTTCAAGAAACAT	GGTCTCCAGAAATGG	ATTGATGCCGT	TACAGAA	GCAGGT	AAAG
Hematodinium_DVNP.6	AAGCAGTTCAAGAAAGAG	GGTCTTTCAGAAATTC	ACGAGGCCGT	TACAGAA	GCAGGT	AAAG
Hematodinium_DVNP.7	AAGATCTATGGC...AAG	GGTATCAAGAAATGG	ATTGATGCCGT	GATGAAG	GCAGGT	AAAG
Hematodinium_DVNP.8	AAGATCTACAAAT...AAG	GGGATCAAGCGTGG	ATCGAGGCCGT	CAAGAG	GCAGGT	AAAG
Hematodinium_DVNP.9	AAGATCTACAAAT...AAG	GGGATCAAGCGTGG	ATCGAGGCCGT	CAAGAG	GCAGGT	AAAG
Hematodinium_DVNP.10	CGGCGCTATCAAGAAAT	GGTCTCGCTAAATTC	ACACGAGGCCGT	TCGACAG	GCAGGT	AAAG
Hematodinium_DVNP.11	AAGATCTACAAAT...AAG	GGGATCAAGCGTGG	ATCGAGGCCGT	CAAGAG	GCAGGT	AAAG
Hematodinium_DVNP.12	AAACGCTTAAAGAAACAG	GGCTCGACAAAGTTC	ATCGTGCAGAG	GCAGGT	GCAGGT	AAAG
Hematodinium_DVNP.13	AAGGCATATCAAGAAACGG	CCCTCGCCAAAGTTC	ACCAAGAGCCGT	TCAAAGCG	GCAGGT	AAAG

	320	330	340	350	360	370
Hematodinium_DVNP.1	GCCCTCGGCATCAAGGGAT	TGTTGGGATCGGTTGG	CAAAACCGCG	GAAGGG	GCAGGC	CTTA
Hematodinium_DVNP.2	GCCTTGAACATTAAGGGAT	ATCATTCTATTGGCG	GAAGTTCCG	AGAAAG	GAAGGC	CTTA
Hematodinium_DVNP.3	TCCTTGAACATTAAGGGAT	ATCAGTCTGTTGGCG	GAAGTTCCG	AGAAAG	GAAGGC	CTTA
Hematodinium_DVNP.4	GCACCTGGGCATCAAGGGAT	TCAGGCACTCGGT	GAAGAAACCG	CTAAGAC	AGGCCT	TG
Hematodinium_DVNP.5	GCTCTGGGCATCAAGGGAT	TCAGGCTGTGGT	GGCTCTTCCG	GAAGGG	GAAGAA	CTTC
Hematodinium_DVNP.6	GTTCTTGGAATCAAGGGAT	TCAGGCTGTGGT	GGAAAGTCCG	GAAGGG	GAAGAA	CTTC
Hematodinium_DVNP.7	TCCTTGAACATTAAGGGAT	ATCAGTCTGTTGGCG	GAAGTTCCG	AGAAAG	GAAGGC	CTTA
Hematodinium_DVNP.8	GCCTTGAACTTAAGGGAT	ATCAGTCTGTTGGCG	GAAGTTCCG	AGAAAG	GAAGGC	CTTA
Hematodinium_DVNP.9	GCCCTGAACTTAAGGGAT	ATCAGTCTGTTGGT	GGGAGACCG	TAGGTG	GAAGAG	GCCT
Hematodinium_DVNP.10	TCGTTGGGATATCAAGGGAT	CTGTTCAAGTTCAG	TGGTGGCAAG	AGGAGG	AGGCTG	CTTG
Hematodinium_DVNP.11	GCCTTGAACTTAAGGGAT	ATCAGTCTGTTGGCG	GAAGTTCCG	AGAAAG	GAAGGC	CTTA
Hematodinium_DVNP.12	GCCCTTAACTTAAGGGAT	ATCAGTCTGTTGGT	GGCAAGTCCG	GAAGGG	GAAGAA	CTTC
Hematodinium_DVNP.13	GCCCTCGGCATCAAGGGAT	TGTTGGGATCGGTTGG	CAAAACCGCG	GAAGGG	GCAGGC	CTTA

	380	390	400
Hematodinium_DVNP.1	CTCAAAAGGC	CAGGAGCC	TATATAGAAATAAA...
Hematodinium_DVNP.2	CTCGCGAAAGC	ACGTGTATAT	TATAAATAA.....
Hematodinium_DVNP.3	CTCGCGAAAGC	ACGTTCATTT	TATAAATAA.....
Hematodinium_DVNP.4	TTAAAAAAAT	CTCGGAAC	TGCCAGGCCTTAA...
Hematodinium_DVNP.5	TTGGCCAAAT	CTCGCAGTTT	TATAAAAATGA...
Hematodinium_DVNP.6	CTGAAAAAGC	CCGCAATTT	TATAGAAAGTAG...
Hematodinium_DVNP.7	CTCGCGAAAGC	ACGTGCATTT	TATAAATAA.....
Hematodinium_DVNP.8	CTGACGAAAGC	ACGTGCATTT	TACAAAAATAAA...
Hematodinium_DVNP.9	CTCGCGCGGC	ACGTCAATT	TGACAAAGATTAA...
Hematodinium_DVNP.10	CTAAAGAAAGC	ACTTGGGC	TACAAAGAAATAA...
Hematodinium_DVNP.11	CTGACGAAAGC	ACGTGCATTT	TACAAAAATAAA...
Hematodinium_DVNP.12	CTAAAAAAAGC	CAGTCTGTTT	CTATTCTAAGAAATAA
Hematodinium_DVNP.13	CTCAAAAGGC	CAGGAGCC	TATATAGAAATAAA...