

Alignment: /home/jacob/Desktop/seaview/Data/data/rhogenes.fst

Seaview [blocks=50 fontsize=15 LETTER-landscape] on Mon Jul 14 09:06:20 2014

1

rhoana	CACACATCCC	GCCG	CACACACACACACATCGCGAAACATTTGGCGGAACT
rhoere	AAACATGCGAGCAT	TGGGAAAAACACACATCGCGAAACATTTGGCGGAACT	
rhogri	AGATTGTATG	CCATGCACTAAATGGGAAAAACACACATGGACTCACAGGA	
rhomel	AAATGGGAAAAACATGCGGT	GGGAAAAAACACACATCGCGAAACATTTGGCG	
rhomoj	CACAGATACAA	GGACTCACATAGTTTGTGGGAACTTTCCGGACAAGTGCAA	
rhoper	GTACTGCGCTGCGCTTTGTGGG	CCGCTGTGGGCGTGGGAGGACACTCGATGA	
rhopse	CTAACGAAACAGAT	CCCAGATCCCGCAGATCCCTGGACTGGGAAAAACACA	
rhosec	GAAAAACATGCGGT	GGGAAAAAACACACATCGCGAAACATTTGGCGCAACTT	
rhosim	CAGGATGGGAAAAACATGCGGT	GGGAAAAAACACACATCGCGAAACATTTGG	
rhovir	AAAAACACACG	CACGACACGCGGCGATAGAAATTAACACGTAGTTTAGCGG	
rhowil	GGTGTGTGTGTGTGTGTGGG	AAAAATACCCCGTGAGATGGTTTTTGAGGAGATG	
rhoyak	GGCAGGATGAGAAAAACATGCGGT	GGGAAAAAACACACATCGCGAAACATTT	

51

rhoana	TGGCGGAGAGACAAGTGCCG	CAAAACAAAAAGTCGCGAAATAAAACTCCG
rhoere	TGCGGAAGACAAGTGCGGCTG	CAACAAAAAAAGTCGCGAACCAAAACTC
rhogri	TGAGCAATTTTGTGACAAGTG	CAACAAAAAGTCGCCGAAATCGCGAAATG
rhomel	CAACTTGC	CGGAAGACAAGTGCGGGCTGCAACAAAAAGTCGCGAAACGAAAC
rhomoj	TACAAAAGT	CGAAGTCCGCAAAAACGCGTTGAGCAATTCAAATGAAAAATCC
rhoper	TTCCTTTGCCTT	AAAACCGCGCGCACTCGCGGGAAATTCCCTCCATCAACA
rhopse	CACCACACACACACACACACAG	CAGTGCTCGAGGCTTGGCGTAGCTTG
rhosec	GCGGAAGACAAGTGCGGGCTG	CAACAAAAAGTCGCGAAACGAAACTCCGGG
rhosim	CGCAACTTGC	CGGAAGACAAGTGCGGGCTGCAACAAAAAGTCGCGAAACGAA
rhovir	AACTTTTGTGGCAAGTGCAAC	AAAAAGTCGAAGTCGCGGACGATTCAAATGA
rhowil	ACCTTTTGGCGGAAC	TTTTCAACAAAGTGTTTCGCACACCAACAATCGCGT
rhoyak	GGCGGAAC	TTGCGGAAGACAAGTGCGGGCTGCAACAAAAAGTCGCGAAAC

101

rhoana	GGAAGT	GAAAA	TGTGT	CAGAGT	TGGGAAA	AGGAGG	CAAGG	ACACAGG	ACAT
rhoere	TGGGAAG	CGGAAAA	AGGACAC	CTTGCT	TGTG	CGGCGG	GGAAG	CGCAAG	TGGC
rhogri	CGCTT	CACAA	TTTCAG	ATGAAAA	TCCG	CAATG	CAAC	GGAAG	GGAGCAAGG
rhomel	TCTGGG	AAGCGG	AAAAAG	GACAC	CTTGCT	TGTG	CGGCGG	GGAAG	CGCAAGTG
rhomoj	GCAAT	TGCAAC	GGAAG	GAGCAAGG	ACATCG	CACATCG	CACATCG	CAGA	ACC
rhoper	TGTG	GAAAC	CACAT	TGTGGG	CCAGGT	CGGGAC	GGACAC	GGTCT	TTTTCTGGC
rhopse	CGGAC	CAAGT	GCAGG	ACACTTTT	TGGAC	AGGGC	CAGAG	CAGGGC	CAGAGCAGAG
rhosec	AAGCGG	AAAAAG	GACAC	CATGCT	TGCGCGG	CGGGAAG	CGCAAG	TGGCGGGC	
rhosim	ACTCC	GGGAAG	CGGAAAA	AGGACAC	CTTGCT	TGCGCGG	CGGGAAG	CGCAAG	
rhovir	AAATCT	GCAATG	CTGCGG	AAGGAG	CAAGG	ACAACCC	ACCTGT	CTATG	AGT
rhovil	TAAGCA	ATTCAA	ATGAA	ACTCTAT	GCAAAG	ATGGG	CAAAG	GACAT	ATTGT
rhoyak	GTAAC	GAAAC	AAAACT	CTGGG	AAGCGG	AAAAAG	GACAC	CTTGCT	GAGCGG

151

rhoana	ACAGG	ACATAC	CAGGAC	ACCTTG	CTGTG	CGGCGT	TGTGGG	AAACAAG	TTGCG
rhoere	GGGCGG	AATTT	CCTGAT	TCCC	GGCCCAT	GAGGCACT	CGCATAT	GTTGAGC	
rhogri	ACACCG	ACGTAG	ACGATG	AACCTG	TGTTCCT	TGTCGC	CAGCAAC	CAGCAACAA	
rhomel	GCGGGC	GGAATTT	CCTGAT	TCCG	GATGCC	ATGAGGCACT	CGCATAT	GTTG	
rhomoj	TGCAG	CAATCT	TCCCTG	TGCGG	AAATT	CCTGAAT	CGCACAT	GTGGC	ACGCA
rhoper	CAGGA	ATTTCC	GCCACT	TTGTG	TTTCCC	ACACAG	CAAGGT	GCCCC	TGCCCC
rhopse	CCGAG	CAGAGC	GGACAAA	AAGTCA	CACAAA	TGAAACT	CTGGG	AAAAG	CGG
rhosec	GGAAT	TTTCCT	GATGCG	CGATG	CCATG	AGGCACT	CGCATAT	GTTGAG	CACA
rhosim	TGGCGG	GGCGG	AATTT	CCTGAT	TCCG	GATGCC	ATGAGGCACT	CGCGCATAT	
rhovir	GTGCG	AGTGTG	CGAGTGT	GTGTGT	GTGTGT	GTGTGT	GCGAGTGT	GTGTGT	GCGT
rhovil	GTGTGT	GCCAG	GAAACA	AGTTG	CGGAA	ATTCC	TAGACC	AGTGCT	GCATAT
rhoyak	CGGGA	AAGCG	CAAGT	TGGCGGG	CGGAA	TTTCCT	GATTCCC	GGCCCAT	GAGGT

201

rhoana	GAA	TTT	CCT	TGG	CC	AGG	AGG	CA	AGA	TAG	CC	GTC	GC	AT	AT	GTT	GAG	CAC	AT	G				
rhoere	AC	AT	GTT	GGG	GG	AAA	TT	CCC	GGG	C	GAC	GGG	CC	AG	GA	AT	CA	AC	GT	CCT	GC	G		
rhogri	ACA	AGT	GC	GG	AA	TTT	CCT	GAC	TCC	GG	AC	AC	AT	GT	TGG	CAC	GC	AC	AT	GTT	TG			
rhomel	AG	CAC	AT	GTTTT	GGGG	AAA	TT	CCC	GGG	C	GAC	GGG	CC	AG	GA	AT	CA	AC	GT	C				
rhomoj	CA	TGT	TG	CT	GC	GG	CAG	TGGG	AAAA	AC	GAG	AC	GACA	AG	GA	AT	TT	CCCC	G					
rhoper	TG	CCC	CT	GCCC	CT	GCT	ACT	GCC	GCC	GC	CT	CA	TCC	TC	AT	CCT	CAG	CC	GC	GT				
rhopse	AAA	AG	AC	GC	GG	AC	GC	GG	CT	GAG	GAT	GAG	GAT	GAG	G	CGG	CGG	CAG	GGG	CAC				
rhosec	TGT	TGGG	GG	AAA	TT	CCC	GGG	C	GAC	GGG	CC	AG	GA	AT	CA	AC	GT	CCT	GT	CCT	G			
rhosim	GTT	GAG	CAC	AT	GTT	GGG	GG	AA	TT	CCC	GGG	C	GAC	GGG	CC	AG	GA	AT	CA	AC	G			
rhovir	GT	GT	GT	G	CA	CA	AG	GT	G	GG	AA	TT	CCT	GA	AT	C	G	CAC	AT	GT	TGG	CAC	G	CACA
rhowil	CA	TCC	AC	AC	AC	AT	GT	TGG	CA	AG	CA	CA	TG	TAG	CAG	A	TAG	GA	AT	TT	CCCC	G	CGA	
rhoyak	GAG	G	CA	CT	CG	CA	TAA	C	G	CA	TAT	GTT	GAG	CAC	AT	GTTT	GGGG	AAA	TT	CCC				

251

rhoana	TT	GG	AG	G	AAA	TT	CCC	G	CAC	A	AG	GG	CC	AG	GA	AT	CA	AC	GT	CC	GG	CG	T	GGG	GAA																			
rhoere	T	GGG	A	A	A	G	CCC	A	CCC	AC	G	CCC	A	C	C	ACT	C	GG	T	TAC																								
rhogri	G	C	AG	AG	C	G	A	A	A	A	G	A	A	A	C	A	C	A	T	C	A	A	A	A	G	G	A	A	T	T	CCCC	AGG	T	C	G	A	G	A	G					
rhomel	CT	G	T	C	C	T	G	C	GT	GGG	A	A	A	A	G	CCC	AC	G	T	C	C	T	A	CCC	AC	G	CCC	ACT	C	GG	T	TAC												
rhomoj	AG	AG	C	AG	C	T	C	G	CC	AT	G	CC	AC	G	CC	T	A	C	A	C	G	CCC	AC	A	C	A	CCC	AG	CA	AGG	C	GG												
rhoper	CC	G	C	GT	C	T	T	T	T	C	C	G	C	T	T	T	CCC	AG	A	G	T	T	T	C	A	T	T	T	G	T	G	T	G	A	C	T	T	T	T	T	G	T	C	C
rhopse	CT	T	G	C	T	G	T	G	T	GGG	A	A	C	A	C	A	AG	T	GG	C	GG	A	A	AT	T	C	C	T	G	G	CC	AG	A	A	C	G	ACC							
rhosec	CG	T	GGG	A	A	A	G	CCC	A	CCC	AC	G	CCC	A	C	T	C	GG	T	TAC																								
rhosim	T	C	C	T	G	T	C	C	T	G	C	GT	GGG	A	A	A	G	CCC	A	CCC	AC	G	CCC	ACT	C	GG	T	TAC	C	T	GG	A	T											
rhovir	T	G	T	C	G	A	G	C	GGG	A	A	A	A	A	C	C	G	C	T	C	G	A	T	G	C	T	C	GG	T	C	C	A	AG	GA	AT	TT	CCCC	G	A	G				
rhowil	AT	CA	AC	CA	AG	AAA	TT	AG	T	G	T	GGG	A	A	A	G	CC	AGG	CCC	AC	G	CCC	AC	C	T	AG	A	G																
rhoyak	GGG	C	G	AC	GGG	CC	AG	GA	AT	CA	AC	GT	C	C	T	G	C	GT	GGG	A	A	A	G	CCC	G	CCC	AC	G	C															

301

rhoana AAGCCCACGCCCACACTGCCCTTGCCA
rhoere
rhogri AGGGAAGCCCACGCCCACAGGTGACTGGGTGA
rhomel
rhomoj C
rhopergCTCTGCTCGGCTCTGCTCTGCCCTGCTCTGCCCTGTCCAAAAGTGTCT
rhopse GTGTCCGTCCCGACCCGACCCGTCGCGGCCACATGTGTTTCGCACATGT
rhosec
rhosim TCGAGCTCGA
rhovir CCAAGGGAAGTCCGCCCAAAACACGCCCAAAAGGCGGCAATTATGATTAC
rhowil TCCCTCACTTATCTATGAGTACCTGT
rhoyak CCACCACTCGGTTACCTGGG

351

rhoana
rhoere
rhogri
rhomel
rhomoj
rhopergGCACTTGTCCGCAAGCTACGCCAAGCCTCGAGCACTGCTGTGTGTGTGTG
rhopse TGATGGAGGAATTTCCCGCGAGTGC GCGCGGTTTTAAGGCAAAGGAATCA
rhosec
rhosim
rhovir
rhowil
rhoyak

401

rhoana
rhoere
rhogri
rhomel
rhomoj
rhop
rhopse
rhosec
rhosim
rhovir
rhowil
rhoyak

TGGTGTGTGTTTCCCAGTC
TCGAGTGTCCCTCCACGCCCACAGCGGCCCA