

Reference sequence (1): Halalkalicoccus\_jeotgali

Identities normalised by aligned length.

Colored by: identity

```

cov pid 241 : . . . . 3 320
1 Halalkalicoccus_jeotgali 100.0% 100.0% tggccaaatacccttggtac-----ggataacctcggaaac-tgaggctaattccgaatatcg
2 Thermoplasma.volcanium 98.7% 72.5% tggtaatttaccctcaggatgg-----gtataacctcggaaac-tgaggctaattccccatgc

```

## MView

3	Candidatus_Korarchaeum_cryptofilum_	94.4%	68.9%	cggtcaacctggcctgggacc-----gggataacctgggaaac-tgaggtaataccggatagg
4	Nanoarchaeum_equitans	92.1%	68.7%	tcggtaacctaccctgggacg-----gggataacccggggaaa-tggggtaatccccgatagg
5	Chlorobium_chlorochromatii	97.8%	55.5%	taggttaattgcctttggact-----gaaataactccggagaaat-cgggacacatgcagatgt
6	Burkholderia_ceanopecacia_	97.2%	56.0%	tcgg-aacatgtccgttagtgg-----gggatggcccgaaag-ccggatataaccgcatacga
7	Rhizobium_leguminosarum	86.2%	53.1%	tggg-aatcaccccttgactac-----gggataaacgcggggaaac-ttgtctaataccgtatgt
8	Prochlorococcus_marinus	95.4%	58.1%	tgag-aatctgcctcaggagg-----gggataacgttgggaaac-gaccgtataaccatatacg
9	Thermotoga_leitungae_	98.0%	59.0%	tgggttaacctcccttcgcgg-----gggataacccggggaaa-tccggctataaccatata
10	Escherichia_coli_	97.7%	55.9%	tggg-aactgcgtatggaga-----gggataactactggaaac-ggtactataaccgcataa
11	Archaeoglobus_fulgidus	99.0%	74.2%	tggacaacccgcctcggttgg-----gggataacccggggaaac-tggggtaatccccatagg
12	Methanocaldococcus_jannaschii	98.7%	75.4%	tggctaacctaccctcggttgg-----gggataacctcgggaaac-tgaggctaatccccatagg
13	Pyrococcus_abyssi	98.8%	74.4%	tcggtaacctaccctcggttgg-----gggataacccggggaaac-tggggtaatccccatagg
14	Saccharomyces_cerevisiae_nuclear	96.7%	42.3%	gttatcggtttatgtatgttc-----ctttaactacatgtataacttgttacttagcgtatacatgtctaaa
15	Homo_sapiens_nuclear	97.4%	41.0%	gttatcggtttatgtatgttc-----ctttaactacatgtataacttgttacttagcgtatacatgtctaaa
16	Oryza_mitochondrion	94.7%	47.8%	tggg-aatctgcggacacgttc-----ggggcaaaatctgtaaaa
17	Oryza_chloroplast	96.5%	57.8%	taag-aacctgccttggagg-----ggaacaacaactggaaac-ggttctaataccctgtaggc
18	Oryza_nuclear	96.8%	41.6%	gttatcggtttatgtatgttc-----gtgactactggtaacccgtatattcttagcgtataactgtcaaca
19	Amphidinium_carterae	96.7%	42.3%	gcaataattttcgagtgttc-----atgcacatgtataacttgttggaaatcttaggtttatcatcggtcat
20	Drosophila_yakuba_nuclear	97.0%	38.2%	gttatcggtttatgtatgttc-----gttacttgttataacttgttggaaatcttaggtttatcatcggtcat
21	Trypanosoma_cruzi_nuclear	93.9%	31.4%	gacgtaaatcgcccaaaatcttgcgttccgcggaaatggataacttgttggaaacgcggatatacatgtaccaaa
	consensus/100%			<b>SSSS.SUSSSSSSSSSSSSSSSS</b> ..... <b>SUSS.SUSSSSSSSSSSSSSS</b> Aus.....
	consensus/90%			<b>SSSS.USSS</b> T <u>SSSSSSSSSSSSSS</u> ..... <b>SUATAAC</b> S <u>SSSSAASS.SSSSG<u>TAAT<u>CSSSSSSSS</u></u></u>
	consensus/80%			<b>SSSU.AA</b> S <u>T</u> <b>SSSSSSGUSS</b> ..... <b>SUATAAC</b> S <u>SSSUGu<u>AAAAS.SSSU<u>GCT</u><b>AAAT</b>C<u>S</u>SSSS<u>USS</u></u></u>
	consensus/70%			<b>SSsuuAAssTu</b> <u>CCSSSSGUSS</u> ..... <b>GGGA</b> <u>AAAC</u> <b>SSSSGGGAAAS</b> . <u>SSuu</u> <u>GCT</u> <b>AAAT</b> <u>C</u> SSss <u>Tuss</u>

4 400

480

560

	cov	pid	481	5	.	.	.	.	.	.
1 Halalkalicoccus_jeotgali	100.0%	100.0%		aggat--g'ggctgcggccgattagg a- -gacggtggg aacggccaccgtccgaaatcggt-acgggttgtgag						
2 Thermoplasma_volcanium	98.7%	72.5%		aggat--aagtctcgccatcagg a- -gtagggtgtt aaaggaccacttagcctaagacgggt-acgggcccgtgaa						
3 Candidatus_Korarchaeum_cryptofilum_	94.4%	68.9%		agggt--gggaccgtggccatcagg a- -gtagggtggg aacggccaccatgcctaagacgggt-acgggcccgtgag						
4 Nanoarchaeum_equitans	92.1%	68.7%		aggat--ggccggccggcccatcagg a- -gttggccgggg aatggccgcacgggt-agggccgttggag						
5 Chlorobium_chlorochromatii	97.8%	55.5%		aagat--gaccatatccatcagg a- -gttggtaggg aaaaggctaccacgcacgggt-agctgttgtcgtgag						
6 Burkholderia_cenocepacia_	97.2%	56.0%		agggt--ttggccatggctgtttaggt a- -gttgggtggg aaaggccatccaaaggccgacgtacgtt-acgttgttgtcgtgag						
7 Rhizobium_leguminosarum	86.2%	53.1%		aggat--gaccgcgcgtttgtttaggt a- -gttgggtggg aaaggccatccaaaggccgacgtacgtt-acgttgttgtcgtgag						
8 Prochlorococcus_marinus	95.4%	58.1%		aggat--gacgtccgcgttcgtttaggtt a- -gttgggtggg aatggctcaccacgcacgggt-agccgttgcgttgcgtgag						
9 Thermotoga_lettingae_	98.0%	59.0%		gggat--ggccgcgcgcctatcagg a- -gttgggtggg aatggctcaccacgcacgggt-agccgttgcgttgcgtgag						
10 Escherichia_coli_	97.7%	55.9%		cggat--gccccatggatgtttaggt a- -gttgggtggg aacggccatccatggccgacgtacgtt-acgttgttgtcgtgag						
11 Archaeoglobus_fulgidus	99.0%	74.2%		aggat--gggttcggccgtttaggt a- -gttgggtggg aacggccaccacaaaggccagaatcggt-acgggcccgtgag						
12 Methanocaldococcus_jannaschii	98.7%	75.4%		aggat--gggttcggccgtttaggt a- -gttgggtggg aacggccaccacaaaggccacgttgcgtt-acgggcccgtgag						

## MView

640

	cov	pid	561	6
1 Halalkalicoccus_jeotgali	100.0%	100.0%	agcaagaacccggagacgtatctgagacaagaatccggggccatcggggcgcagcaggcgccaaacctttacactgcac	
2 Thermoplasma_volcanium	98.7%	72.5%	agggggagcccgagatggactctgagacaacagtcccgccatcggggcgcagcaggcgccaaacttgtcaatgcgc	
3 Candidatus_Korarchaeum_cryptofilum_	94.4%	68.9%	aggaggagccccggagatggcaactgagacaaggcccggccatcggggcgcagcaggcgaaacttcccaatgcgc	
4 Nanoarchaeum_equitans	92.1%	68.7%	agcgggagccccagatcgcactgagacaaggcccggccatcggggcgcacaggcgccaaacctccgaatgcgg	
5 Chlorobium_chlorochromati	97.8%	55.5%	aggatgtacggccatcttggaaactgagacacggccagacttctacgggaggcagcagtgaggaaatttcgcgaatggc	
6 Burkholderia_cenocepacia_	97.2%	56.0%	aggacgaccagccacactggcaactgagacacggccagacttctacgggaggcagcagtgaggaaatttcgcgaatggc	
7 Rhizobium_leguminosarum	86.2%	53.1%	-----	
8 Prochlorococcus_marinus	95.4%	58.1%	aggatgtacggccacactggcaactgagacacggccagacttctacgggaggcagcagtgaggaaatttcgcgaatggc	
9 Thermotoga_lethingae_	98.0%	59.0%	agggtgacccggccacaaggcactgagacacggccatcttctacgggaggcagcagtgaggaaatttcgcgaatggc	
10 Escherichia_coli_	97.7%	55.9%	aggatgacccggccacactggcaactgagacacggccagacttctacgggaggcagcagtgaggaaatttcgcgaatggc	
11 Archaeoglobus_fulgidus	99.0%	74.2%	agtgggagccggagatggacccgtgagacacggccatcttctacgggaggcagcagtgaggaaatttcgcgaatgcgg	
12 Methanocaldococcus_jannaschii	98.7%	75.4%	agggggagccggagatggacactgagacacggccatcttctacgggaggcagcagtgaggaaaccccttcgcgaatgcgc	
13 Pyrococcus_abyssi	98.8%	74.4%	agcgggagccggagatggacactgagacacggccatcttctacgggaggcagcagtgaggaaaccccttcgcgaatgcgg	
14 Saccharomyces_cerevisiae_nuclear	96.7%	42.3%	gtttcgattccggagaggcgtgagaaacggctaccatccaaggaaaggcagcaggcgccaaatttacccat-----	
15 Homo_sapiens_nuclear	97.4%	41.0%	gtttcgattccggagaggcgtgagaaacggctaccatccaaggaaaggcagcaggcgccaaatttacccat-----	
16 Oryza_mitochondrion	94.7%	47.8%	cggatgtacggccacactggcaactgagacacggccggacttccacggggggcagcagtgaggaaatttcgcgaatggc	
17 Oryza_chloroplast	96.5%	57.8%	aggatgtacggccacactggcaactgagacacggccggacttctacgggaggcagcagtgaggaaatttccgaatggc	
18 Oryza_nuclear	96.8%	41.6%	gtttcgattccggagaggcgtgagaaacggctaccatccaaggaaaggcagcaggcgccaaatttacccat-----	
19 Amphidinium_carterae	96.7%	42.3%	gtttcgattccggagaggcgtgagaaacggctaccatccaaggaaaggcagcaggcgccaaatttacccat-----	
20 Drosophila_yakuba_nuclear	97.0%	38.2%	gtttcgattccggagaggcgtgagaaacggctaccatccaaggaaaggcagcaggcgccaaatttacccat-----	
21 Trypanosoma_cruzi_nuclear	93.9%	31.4%	gtttcgattccggagaggcgtgagaaatagtcaccatctacggaggcagcaggcgccaaatttcccaat-----	
consensus/100%			-----	
consensus/90%			uGssGGAssssssAAssGussCTGAGASAuussssssssCsAsGuusCGACGAGSSGsAsssTssCsAT....	
consensus/80%			uGssGGAssssssAAssGussCTGAGASGGGssssssCsAsGuusCGACGAGSSGsAsssTssCsAAAT....	
consensus/70%			uGssGGAssssssAAssGussCTGAGACGSSGssssssCsAsGuusCGACGAGSSGsAsssTssCsCAAT....	

720

	cov	pid	641	
1 Halalkalicoccus_jeotgali	100.0%	100.0%		gaaacgtgcataaaggggactccaagtgccggggcat-----acagtctcgctttccctaccgtaaagg
2 Thermoplasma_volcanium	98.7%	72.5%		gaaagcgcacacggggacacctgtagtccttgactt-----ttcgtaaggctttctgtatgcctaaaa
3 Candidatus_Korarchaeum_cryptofilum_	94.4%	68.9%		gcaacgtcgagggtgaccccgagtgccggccgc-----gagggcgcgttccctgtgtaaaa
4 Nanoarchaeum_equitans	92.1%	68.7%		gaaaccgtgcacggggggggggggactggccggggcg-----ttatgtctccggctttgggggtgtaaagt
5 Chlorobium_chlorochromatii	97.8%	55.5%		gaaacgttgcacggccacggccggcggatgtgtatgaaagttc-----ttcgaaatgtctttcgagggttgaaga
6 Burkholderia_cenocepacia_	97.2%	56.0%		gaaagcctgtatccgcacatggccgcgtgtgaagaaggcc-----ttcgggtgtaaagcacttttgcggaaaga
7 Rhizobium_leguminosarum	86.2%	53.1%		-----gcagccatgcgcgcgtatgtatgaaaggcc-----ctagggtgtaaagctttcacggagaaga
8 Prochlorococcus_marinus	95.4%	58.1%		gaaagcctgcacggggacacccgcgcgtatgtatgaaaggcc-----tctgggtgtaaacccttttcaaggaaaga
9 Thermotoga_leettingae_	98.0%	59.0%		gaaacgttgcacggccgcgtatgtatgaaaggcc-----ttcgggtgtaaacccatgttgcggggatggacga
10 Escherichia_coli	97.7%	55.9%		gcaacgttgcacggccgcgtatgtatgaaaggcc-----ttcgggtgtaaagtactttcagcggggagga
11 Archaeoglobus_fulgidus	99.0%	74.2%		gaaaccgcgcacgggggtcagccggatgtctgcgcat-----cgccgggtgtcggtgcctaaaa
12 Methanocaldococcus_jannaschii	98.7%	75.4%		gaaacgcgcacggggggaccccgagtgccacgcgc-----tgcgtgggtttccggaggtaaac
13 Pyrococcus_abyssi	98.8%	74.4%		gaaaccgcgcacggggggggcccccgcgtatgtatgaa-----tggcaccgcgttccggaggtgtaaaa
14 Saccharomyces_cerevisiae_nuclear	96.7%	42.3%		-----cttaatttcggggatgtatgtatgaaataacatgcatacaggccc-----atccgggttgcgtatggatga
15 Homo_sapiens_nuclear	97.4%	41.0%		-----ccgacccggggggatgtatgtatgaaataacatcaggactc-----ttcgaggccgtatgtatggatga
16 Oryza_mitochondrion	94.7%	47.8%		gaaagccccatccagcaatatgcgcgtatgtatgaaaggca-----atgccgttgtaaagctttcgtcgatgcgc
17 Oryza_chloroplast	96.5%	57.8%		gaaacgtcgacggggacatgcgcgtatgtatgaaaggcc-----caccgggtgtcaacttttgcggagaaga
18 Oryza_nuclear	96.8%	41.6%		-----cctgacatggggatgtatgtatgaaataacataccgggc-----tttagtgtctgttataatggatga
19 Amphidinium_carterae	96.7%	42.3%		-----cctgacatggggatgtatgtatgaaataacatacggggc-----atccatgttgcgtatgtatggatga
20 Drosophila_yakuba_nuclear	97.0%	38.2%		-----cccagtcggggatgtatgtatgaaataacatcaggactc-----atccgaggccgtatgtatggatga
21 Trypanosoma_cruzi_nuclear	93.9%	31.4%		-----gtcaaaaaaaaaaaaatgtatggggcggcggaaaagaaatagacg-----cgacagtgtttgcattgtcgatttcaatgg
consensus/100%				.....ssuuussAss.....sgusssssssss.....ssssssssssssssssssusus
consensus/90%				....SSuASSuGssAsss.....sGtGssssssss.....ssssususTssssssssssAsus
consensus/80%				....CsGAsssuGsAsss.....sGtGssssssss.....ssssssssssTssssssssAsusu
consensus/70%				....CsGAssususGsuAsssGtGssssususAsu.....ssssssGsTSTssssssGsAsGA

800

	cov	pid	721	.	.	.	.	8
1 Halalkalicoccus_jeotgali	100.0%	100.0%	tgg-----	-----tagg	gaat	aaggcgtt	gggc	cggccgcgg
2 Thermoplasma_vulcanium	98.7%	72.5%	agc-----	-----atc	aggaaat	aaggcgtt	gggc	cggccgcgg
3 Candidatus_Korarchaeum_cryptofilum_	94.4%	68.9%	agc-----	-----agggggt	tagga	agggggttaagg	ctgtt	gc
4 Nanoarchaeum_equitans	92.1%	68.7%	agc-----	-----tccc	gaata	aggcggtt	gggc	cggccgcgg
5 Chlorobium_chlorochromati	97.8%	55.5%	aactctcg-----	-----gttac	ccggactgt	acgcgttactct	gt	gc
6 Burkholderia_cenocepacia_	97.2%	56.0%	aactcttgctctaatac	-----atc	aggcgttact	ggc	aggccgcgg	gtt
7 Rhizobium_leguminosarum	86.2%	53.1%	-----taat	-----atc	ggagaata	ggc	aggccgg	gtt
8 Prochlorococcus_marinus	95.4%	58.1%	ag-----	-----atat	gacgttactt	g	ggc	aggccgg
9 Thermotoga_lethingae_	98.0%	59.0%	ataagat	-----tggaggaaat	gc	aggc	ggcgttact	gt
10 Escherichia_coli_	97.7%	55.9%	agggat	-----tgc	atc	tttgcgttact	cc	gg
11 Archaeoglobus_fulgidus	99.0%	74.2%	agc-----	-----accc	ca	aggcggcgttact	gt	gc
12 Methanocaldococcus_jannaschii	98.7%	75.4%	agc-----	-----tcc	gggaaat	agggcgtt	ggc	aggccgg
13 Pyrococcus_abyssi	98.8%	74.4%	agc-----	-----tcc	gggaaat	agggcgtt	ggc	aggccgg
14 Saccharomyces_cerevisiae_nuclear	96.7%	42.3%	gtacaatgtaaat	-----ac	tttgcgttact	cc	gg	gtt
15 Homo_sapiens_nuclear	97.4%	41.0%	gtcactttaat	-----aac	gggaaat	tttgggg	ca	gtt
16 Oryza_mitochondrion	94.7%	47.8%	tttgcgttact	-----tgg	ggggca	gtt	gc	gg
17 Oryza_chloroplast	96.5%	57.8%	ga-----	-----tc	atgacaggact	ggaga	aaagg	ccgg
18 Oryza_nuclear	96.8%	41.6%	aa-----	-----ca	atgacgttact	atc	gttgc	ccgg
19 Amphidinium_carterae	96.7%	42.3%	gtacaatcta	-----aac	gggatcatt	ggggca	agt	ctgtt
20 Drosophila_yakuba_nuclear	97.0%	38.2%	gtcaactgtaaat	-----gtt	ggggca	agt	ctgtt	gc
Trypanosoma_cruzi_nuclear			tttgcgttact	-----aa	caatgg	ggccaat	tttgggg	ca
consensus/100%			tttgcgttact	-----aaa	atggat	tttgggg	ca	gttgc

consensus/90%  
consensus/80%  
consensus/70%

	cov	pid	1041	:	.	.	.	.	1	.	.	1120
1 Halalkalicoccus_jeotgali	100.0%	100.0%		-----					aaatccgcgtcgctcaacgagcg--gacgtccggcggaacc			
2 Thermoplasma_volcanium	98.7%	72.5%		-----					aaattctcccgcttaacggaag--aacttct-gaagagactg			
3 Candidatus_Korarchaeum_cryptofilum_	94.4%	68.9%		-----					aaatccgcctg-aagacagcg--gaccgcg--gaggatactg			
4 Nanoarchaeum_equitans	92.1%	68.7%		-----					aaaatctcgggttcaacccggag--ggcgccggagactacta			
5 Chlorobium_chlorochromatii	97.8%	55.5%		-----					aaaatccgttttcaaacaccp--tcatgtt-ccatgttactg			

6	Burkholderia_cenocepacia_	97.2%	56.0%	-----aaatccccgggc caacctggg--aactgca-ttggtgactg
7	Rhizobium_leguminosarum	86.2%	53.1%	-----aaatcccgaggct caaccctgg--aactgcc-ttggatactg
8	Prochlorococcus_marinus	95.4%	58.1%	-----aaagcgtggaggct taactccat--tatggca-gtggaaactg
9	Thermotoga_leitungae_	98.0%	59.0%	-----aaatcccacagct caacttgtt--aattgcg-ccgaaacta
10	Escherichia_coli_	97.7%	55.9%	-----aaatccccgggc caacctggg--aactgca-tctgtactg
11	Archaeoglobus_fulgidus	99.0%	74.2%	-----aaatctggccgc taaccgtca--gactgcccaggatactg
12	Methanocaldococcus_jannaschii	98.7%	75.4%	-----aaatctg-cggc caaccgcag--ggctggc-agagatactg
13	Pyrococcus_abyssi	98.8%	74.4%	-----aaatcccacaggct caaccgtt--ggctcggtgggatactg
14	Saccharomyces_cerevisiae_nuclear	96.7%	42.3%	gcg-----aaccaggactttactt gaaa aaatttagtgc taaagcagg--cgtattgtcgatata
15	Homo_sapiens_nuclear	97.4%	41.0%	ggg-----gcccgaaaggcttactt gaaa aaatttagtgc taaagcaggcccgcgcgttgcgataccg
16	Oryza_mitochondrion	94.7%	47.8%	-----aaagtgcgcaa--aaagtggcg--gaatgc-ttcgaaacca
17	Oryza_chloroplast	96.5%	57.8%	-----aaatcccgaggct caaccctgg--aaaggccgcgttgcgatata
18	Oryza_nuclear	96.8%	41.6%	tgc-----ctccggccgcgttactt gaaa aaatttagtgc taaagcgaag--ccatgcgttgcgatata
19	Amphidinium_carterae	96.7%	42.3%	tg-----tccaggacttcttgcgttgc taaagcgaag--caatgccttgcgttgc
20	Drosophila_yakuba_nuclear	97.0%	38.2%	tg-----ggccgttcttattactt gaaa aaatttagtgc taaagcaggcttgcgttgc
21	Trypanosoma_cruzi_nuclear	93.9%	31.4%	tgcatggccaggggccgcgttactt gaaa aaatttagtgc taaagcagg--cattgcgttgcgttgc
	consensus/100%			.AAA\$SSS..SSU..ssA\$SSSS..SSSSSS.SSSSSSSSS
	consensus/90%			.AAA\$SSSSSSG\$AA\$SSSSU..SSSSSS.SSS\$AS\$SS
	consensus/80%			.AAAT\$SSSSSG\$TsAA\$SSSSG..S\$SSSS.SSS\$GAsACSu
	consensus/70%			.AAA\$SSSSSGCT\$AA\$SSSSU\$G..S\$SSSS.SSS\$UGAsACSu

2 1200

• 1280

. 1360





9	Thermotoga_lettingae_	98.0%	59.0%	cgc-acaaggcggtgga-gcgtgtgggtaattggatctaagccaagaacccttaccaggcgttgcac--atgcag--gtg
10	Escherichia_coli_	97.7%	55.9%	cgc-acaaggcggtgga-gcatgtgggtaattcgatcaacgcgaagaacccttacctgttttcgttgcac--atccac---a
11	Archaeoglobus_fulgidus	99.0%	74.2%	cactacaaggcggtgga-gcctcggttaattggattcaacgcggaaacccttaccggggagaca--gcggg---tga
12	Methanocaldococcus_jannaschii	98.7%	75.4%	cactacaaggcggtgga-gcctcggttaattggattcaacgcggggacccttaccaggggcggacg--gcaggaa---tga
13	Pyrococcus_abyssi	98.8%	74.4%	cactacaaggcggtgga-gcctcggttaattggattcaacgcggggacccttaccaggggcggacg--gcaggaa---tga
14	Saccharomyces_cerevisiae_nuclear	96.7%	42.3%	caccacaggagtgg-a-gcctcggttaattgactcaacacgggaaacccttaccagggtccagac--acaata--agga
15	Homo_sapiens_nuclear	97.4%	41.0%	caccacaggagtgg-a-gcctcggttaattgactcaacacgggaaacccttaccggggccggac--acggac--agga
16	Oryza_mitochondrion	94.7%	47.8%	tgc-acaaaggcggtgga-gcatgtgggtaattcgatatacaacgcggaaacccttaccggcttgcac--atatgaaacaaca
17	Oryza_chloroplast	96.5%	57.8%	cgc-acaaaggcggtgga-gcatgtgggtaattcgatcaagcgaaacccttaccaggcgttgcac--atgccccc-c
18	Oryza_nuclear	96.8%	41.6%	caccacaggcggtgg-a-gcctcggttaattgactcaacacgggaaacccttaccagggtccagac--atagca--agga
19	Amphidinium_carterae	96.7%	42.3%	caccacaggagtgg-a-gcctcggttaattgactcaacacgggaaacccttaccagggtccagac--atagtg--agga
20	Drosophila_yakuba_nuclear	97.0%	38.2%	caccacaggagtgg-a-gcctcggttaattgactcagcacgggaaacccttaccagggtccgaac--atagaat--gtgt
21	Trypanosoma_cruzi_nuclear	93.9%	31.4%	caccacaaggcggtgg-a-gcgtcggttaattgactcaacacgggaaacccttaccagatccggac--agggtg--agga
	consensus/100%			suc, uCsAsssGsGuu, sssssGsGGTsAAATTsGAssCsusuCsusuAsssTAccsSuSSSSSSSS..SSSSSS....s
	consensus/90%			CuC, ACsAssuGGGA, GcsTGsGGTTAATsGAssCACuCsusuAAstsTAccsGSSSSSSSS..USSSSS....s
	consensus/80%			CuC, ACsAGsGuGGA, GcsTGsGGTsAAATTsGAssCACuCsusuAAstsTAccuGussssss..USSSSS....u
	consensus/70%			CuC, ACAAGSGGG, GGA, GcsTGsGGTsAAATTsGAssCACGcsusuGAAsCTTACCUUGGsCsusu..USSSSS...sA

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3000

		cov	pid	2081	.	.	1	.	.	.	.	:	2160
1	Halalkalicoccus_jeotgali	100.0%	100.0%								-ggtag-		
2	Thermoplasma_volcanium	98.7%	72.5%								-gggaag-		
3	Candidatus_Korarchaeum_cryptofilum_	94.4%	68.9%								-ggctgg-		
4	Nanoarchaeum_equitans	92.1%	68.7%								-cgaaag-		
5	Chlorobium_chlorochromatii	97.8%	55.5%								-gtcaag-		
6	Burkholderia_cenocepacia_	97.2%	56.0%										
7	Rhizobium_leguminosarum	86.2%	53.1%								-ttcag-		
8	Prochlorococcus_marinus	95.4%	58.1%								-tttag-		
9	Thermotoga_leitungae_	98.0%	59.0%								-gttcgg-		
10	Escherichia_coli_	97.7%	55.9%								-gtccgg-		
11	Archaeoglobus_fulgidus	99.0%	74.2%								-gggaag-		
12	Methanocaldococcus_jannaschii	98.7%	75.4%								-cgggag-		
13	Pyrococcus_abyssi	98.8%	74.4%								-cgggag-		
14	Saccharomyces_cerevisiae_nuclear	96.7%	42.3%								-agcatttg		
15	Homo_sapiens_nuclear	97.4%	41.0%								-agcggtcg		
16	Oryza_mitochondrion	94.7%	47.8%	aatttgttacgta			-gtggtaatagtacgcggcccgctccgaaacaagaaaagggtgcg-						
17	Oryza_chloroplast	96.5%	57.8%								-ttag-		
18	Oryza_nuclear	96.8%	41.6%								-ccatccc		



## MView

2	Thermoplasma.volcanium	98.7%	72.5%	-aatgtggatccgttagtaatcgtaggtcaa-cagcctacggtaatgcacctgtccctgcacacccggcgcca
3	Candidatus.Korarchaeum.cryptofilum_	94.4%	68.9%	-aaccggaaatccctagtaaccgcggtttc-cataccgggaaatcgtccgccttgtacacacccggcgcca
4	Nanoarchaeum.equitans	92.1%	68.7%	-acggcgaatctctagtagtgcggactcac-gcgtccggcaatcgtccgtccctgtcataccggccgcca
5	Chlorobiump.chlorochromatii	97.8%	55.5%	-aagtggaaatcgcttagtaatcgcgatcatcgatgtggaaatcgttgcggccgttgtacacacccggcgcca
6	Burkholderia.cenocepacia_	97.2%	56.0%	-aagcttggaaatcgcttagtaatcgcggatcag-catgtccgggtggaaatcgttgcggccgttgtacacacccggcgcca
7	Rhizobium.leguminosarum	86.2%	53.1%	-aagtggaaatcgcttagtaatcgcggatcag-catgtccgggtggaaatcgttgcggccgttgtacacacccggcgcca
8	Prochlorococcus_marinus	95.4%	58.1%	-aaggccggaaatcgcttagtaatcgcggatcag-catgtccgggtggaaatcgttgcggccgttgtacacacccggcgcca
9	Thermotoga lettingae_	98.0%	59.0%	-aagtggaaatcgcttagtaatcgcggatcag-catgtccgggtggaaatcgttgcggccgttgtacacacccggcgcca
10	Escherichia.coli_	97.7%	55.9%	-aagtggaaatcgcttagtaatcgtggatcag-aatgccacggaaatcgttgcggccgttgtacacacccggcgcca
11	Archaeoglobus.fulgidus	99.0%	74.2%	-aaccttggaaatcgcttagtaatcgcggccaa-atggccggaaatcgttgcggccgttgtacacacccggcgcca
12	Methanocaldococcus.jannaschii	98.7%	75.4%	-aaggccggaaatcgcttagtaatcgcggccat-catggcgggaaatcgttgcggccgttgtacacacccggcgcca
13	Pyrococcus abyssi	98.8%	74.4%	-aagtggaaatccctagtaaccgcggcatc-catcgccgggaaatcgttgcggccgttgtacacacccggcgcca
14	Saccharomyces.cerevisiae_nuclear	96.7%	42.3%	-aacggagaatccctagtaagcgaatcat-cagcttgcgttattacgcgtcccttgtacacacccggcgccgc
15	Homo.sapiens_nuclear	97.4%	41.0%	-aacggagaatccctagtaatgcgggcatc-aagttgcgttattacgcgtcccttgtacacacccggcgccgc
16	Oryza_mitochondrion	94.7%	47.8%	-aagtggaaatcgcttagtaatcgcggatcag-catgtccgggtggaaatcgttgcggccgttgtacacacccggcgcca
17	Oryza_chloroplast	96.5%	57.8%	-aaggcggaaatcgcttagtaatcgcggccatc-cgcggatcggccatcgggaaatcgttgcggccgttgtacacacccggcgcca
18	Oryza_nuclear	96.8%	41.6%	-aacggagaatgcctagtaagcggatcat-cagctcgcgttactacgcgtcccttgtacacacccggcgccgc
19	Amphidinium.carterae	96.7%	42.3%	-aacggagaatccctagtaagcgtgtcat-cagccgcgttactacgcgtcccttgtacacacccggcgccgc
20	Drosophila.yakuba_nuclear	97.0%	38.2%	-aacttggaaatccctagtaatgtgtgtcat-taactcgcgttactacgcgtcccttgtacacacccggcgccgc
21	Trypanosoma.cruzi_nuclear	93.9%	31.4%	caacaggaaatgttcgtggcggatcat-caaactgtggcgttactacgcgtcccttgtacacacccggcgccgc
	consensus/100%			. <b>A</b> ssss <b>G</b> u <b>A</b> s <b>T</b> ssss <b>G</b> Ass <u>u</u> ssss <b>T</b> <b>C</b> ss. <b>S</b> Ass <u>ss</u> ss <u>u</u> ss <b>G</b> As <b>T</b> <b>s</b> <b>G</b> ss <b>C</b> <b>C</b> <b>S</b> ssss <b>T</b> <b>G</b> As <b>C</b> AC <b>CC</b> GG <b>CG</b> <b>C</b> <b>U</b> <b>s</b>
	consensus/90%			. <b>A</b> ssss <b>G</b> AA <b>T</b> <b>S</b> <b>S</b> <b>A</b> GT <b>A</b> u <b>S</b> C <b>G</b> u <b>S</b> <b>S</b> <b>T</b> <b>C</b> <b>A</b> . <b>S</b> Ass <u>ss</u> ss <u>u</u> ss <b>G</b> ss <b>C</b> <b>S</b> ssss <b>T</b> <b>G</b> As <b>C</b> AC <b>CC</b> GG <b>CG</b> <b>C</b> <b>U</b> <b>s</b>
	consensus/80%			. <b>A</b> ssss <b>G</b> GA <b>A</b> T <b>C</b> <b>S</b> <b>T</b> <b>G</b> AA <b>T</b> <b>A</b> S <b>C</b> GG <b>S</b> <b>T</b> <b>G</b> As <b>C</b> AC <b>CC</b> GG <b>CG</b> <b>C</b> <b>U</b> <b>s</b>
	consensus/70%			. <b>A</b> ssss <b>G</b> GA <b>A</b> T <b>C</b> <b>S</b> <b>T</b> <b>G</b> AA <b>T</b> <b>A</b> S <b>C</b> G <b>uuu</b> <b>C</b> <b>A</b> . <b>C</b> Ass <u>ss</u> ss <b>G</b> GG <b>T</b> <b>G</b> AA <b>T</b> <b>C</b> <b>G</b> <b>S</b> ss <b>C</b> <b>S</b> ss <b>T</b> <b>G</b> As <b>C</b> AC <b>CC</b> GG <b>CG</b> <b>C</b> <b>U</b> <b>s</b>

		cov	pid	2641	:	.	.	.	]	2672
1	Halalkalicoccus_jeotgali	100.0%	100.0%		gaatctggcgctggatcacccctccactgaccgg					
2	Thermoplasma_volcanium	98.7%	72.5%		gaacctgcggatggatcacccctcc-----t					
3	Candidatus_Korarchaeum_cryptofilum_	94.4%	68.9%		-----t					
4	Nanoarchaeum_equitans	92.1%	68.7%		-----t					
5	Chlorobium_chlorochromatii	97.8%	55.5%		gaagggtggcgctggatcaccccttttaat-g					
6	Burkholderia_cenocepacia_	97.2%	56.0%		gaagggtggcgctggatcaccccttt-----t					
7	Rhizobium_leguminosarum	86.2%	53.1%		gaacattgcggctggatcacccctcc-----t					
8	Prochlorococcus_marinus	95.4%	58.1%		gaagggtgcggctggatcacccctcta-----a					
9	Thermotoga_leitungae_	98.0%	59.0%		gaagggtggcgctggatcaccccttt-----t					
10	Escherichia_coli	97.7%	55.9%		gaacattgcggctggatcacccctcc-----a					
11	Archaeoglobus_fulgidus	99.0%	74.2%		gaatctggcgctggatcacccctcc-----t					

12 Methanocaldococcus_jannaschii	98.7%	75.4%	gaa-ctgcggctggatcacc <del>cc</del> -----
13 Pyrococcus_abyssi	98.8%	74.4%	gaaccta <del>cgg</del> tcgatca-----
14 Saccharomyces_cerevisiae_nuclear	96.7%	42.3%	gaacctgcggaaaggatcatt-----a
15 Homo_sapiens_nuclear	97.4%	41.0%	gaacctgcggaaaggatcatt-----a
16 Oryza_mitochondrion	94.7%	47.8%	gaacctgtggctggat <del>tgaa</del> cc-----
17 Oryza_chloroplast	96.5%	57.8%	gaaggtgcggctggatcac <del>cc</del> t-----t
18 Oryza_nuclear	96.8%	41.6%	gaacctgcggaaaggatcatt-----g
19 Amphidinium_carterae	96.7%	42.3%	gaacctgcagaaggatcaa-----
20 Drosophila_yakuba_nuclear	97.0%	38.2%	gat <del>cc</del> tgcggaaaggatcatt-----a
21 Trypanosoma_cruzi_nuclear	93.9%	31.4%	-----
consensus/100%			.....
consensus/90%			.....
consensus/80%			GAA <del>ss</del> TGCGG <del>ss</del> GGATCAs.....
consensus/70%			GAA <del>ss</del> TGCGG <del>ss</del> GGATCAss.....

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