

Reference sequence (1): BhEt_3
Identities normalised by aligned length.
Colored by: identity

1/10

consensus/90%			TSGAUGACATssTsAGSCCsCGUGG.....AGGwAsuGSuCAuAGUGCuGTCTGsAsuTTGTTUGGUATC										
consensus/80%			TUGAUGACATssTuAGSCCsCGUGG.....AGGAAsuGSuGCAGAGUGCGGTCTGGAAsuTTGTTUGGUATC										
consensus/70%			TUGAGGACATCTTUAAGCCSCGuGG.....AGGAAsGSuGCAGAGUGCGGTCTGGAAsGTTGTTGGGGATC										
	cov	pid	241	:	.	.	.	.	.	3	.	.	320
1	BhEt_3	100.0%	100.0%	ATCTCCAAGATCCGCGAGGAGTTCCCGACCGCATGATGGCCACCT-----									
2	BeEt_2	60.7%	19.0%	CATTCAACGAAGTAAGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGATCCTCGACCTCCTTCATAGCGACACGGCCACG									
3	BeEt_1	60.7%	19.7%	CATTCAACGAAGTAAGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGATCCTCGACCTCCTTCATAGCGACACGGCCACG									
4	KhEt_1	82.5%	23.5%	CCCTCACGAATTAGAAGAATTTCTGGTTCTGGACTTTGCGCACCTGGCCCTCACCTCCTTCATGGGAGACCTTACCACG									
5	BeEt_9	94.5%	24.6%	CACCTCAACGAAGTAAGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACCTTACCACG									
6	SaEt_7	95.0%	23.9%	CACCTCAACGAAGTAAGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACCTTACCACG									
7	SaEt_6	92.6%	24.3%	CACCTCAACGAAGTAAGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACCTTACCACG									
8	SaEt_9	93.9%	23.7%	CACCTCAACGAAGTAAGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACCTTACCACG									
9	BeEt_8	93.2%	22.9%	CACCTCAACGAAGTAAGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACCTTACCACG									
10	BeEt_6	82.5%	22.4%	CACCTCAACGAAGTAAGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACCTTACCACG									
11	BeEt_5	92.9%	24.2%	CACCTCAACGAAGTAAGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACCTTACCACG									
12	BhEt_7	82.5%	24.1%	CACCTCAACGAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
13	BhEt_6	84.6%	23.2%	CACCTCAACGAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
14	BhEt_5	88.4%	24.2%	CACCTCAACGAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
15	BhEt_4	90.9%	24.9%	CACCTCAACGAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
16	KhEt_2	80.3%	24.2%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAAACCTTACCACG									
17	KaEt_1	61.0%	24.9%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
18	KhEt_5	81.4%	25.4%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
19	KhEt_3	81.1%	24.6%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
20	KhEt_4	82.5%	25.1%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
21	KaEt_3	68.2%	24.9%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
22	BhEt_9	57.5%	24.6%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
23	BhEt_8	59.9%	25.3%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
24	KaEt_6	82.7%	23.9%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
25	SaEt_5	91.0%	23.4%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
26	KaEt_7	82.2%	24.1%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
27	KaEt_4	82.4%	24.1%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
28	KaEt_9	77.2%	24.2%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
29	KaEt_8	81.9%	24.1%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
30	BeEt_7	81.8%	23.9%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
31	BeEt_3	82.1%	23.7%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
32	KhEt_8	82.2%	23.8%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
33	KhEt_7	78.5%	23.9%	CACCTCGACGAAGTAAGATGAGTTCTTGTTCTGAACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGCGACGCGGCCACG									
34	BhEt_2	61.8%	22.7%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
35	BhEt_1	52.4%	18.6%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
36	BeEt_4	83.5%	26.0%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
37	SaEt_3	81.9%	25.0%	CACCTCAACAAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
38	KhEt_9	82.7%	25.2%	CACCTCAACGAAGTAGGACGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
39	SaEt_4	82.7%	25.9%	CACCTCAACGAAGTAGGAGGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCGACCTCCTTCATGGAGACCTTACCACG									
40	SaEt_8	91.0%	25.3%	CACCTCAACAAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
41	KaEt_5	91.7%	25.0%	CACCTCAACAAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
42	KaEt_2	82.2%	25.9%	CACCTCAACGAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
43	KhEt_6	82.5%	25.9%	CACCTCAACGAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
44	SaEt_2	70.8%	26.0%	CACCTCAACGAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
45	SaEt_1	82.4%	25.9%	CACCTCAACGAAGTAGGAAGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCAACCTCCTTCATGGAGACCTTACCACG									
consensus/100%			SSSTCsssuAssusuAsuAsTTcSSSSCsGsAsssTGsSCAsCT.....										
consensus/90%			CACCTCuACGAAGTAsGAsGAGTTCTTGTTCTGuACGTTGCGCATCTGGTCCTCuACCTCCTTCATGsGACsssuCCuCG										
consensus/80%			CACCTCuACGAAGTAsGAsGAGTTCTTGTTCTGuACGTTGCGCATCTGGTCCTCuACCTCCTTCATGsGACsssuCCuCG										
consensus/70%			CACCTCAACGAAGTAUGAuGAGTTCTTGTTCTGGACGTTGCGCATCTGGTCCTCuACCTCCTTCATGsGACCTTuccACG										
	cov	pid	321	.	.	:	.	.	.	.	.	4	400
1	BhEt_3	100.0%	100.0%	-----									
2	BeEt_2	60.7%	19.0%	GCTGTTCAAAGTCAGTAAATAATTTC-----ATGCGCAAAATCGGGTTCACTCACAAAATGGCCGAGCAGGTCAGGT									
3	BeEt_1	60.7%	19.7%	GCTGTTCAAAGTCAGTAAATAATTTC-----ATGCGCAAAATCGGGTTCACTCACAAAATGGCCGAGCAGGTCAGGT									
4	KhEt_1	82.5%	23.5%	AAG-----TGGGCAGAGCGGGTCAGGT									
5	BeEt_9	94.5%	24.6%	GCTATTGAACATAATTAGCATTGAGACTCAACCAGATTTTATCTGTGATATGACTTACAAGATGGCACAGCAGGTCAGGT									
6	SaEt_7	95.0%	23.9%	GCTATTGAACATAATTAGCATTGAGACTCAACCAGATTTTATCTGTGATATGACTTACAAGATGGCACAGCAGGTCAGGT									
7	SaEt_6	92.6%	24.3%	GCTATTGAACATAATTAGCATTGAGACTCAACCAGATTTTATCTGTGATATGACTTACAAGATGGCACAGCAGGTCAGGT									
8	SaEt_9	93.9%	23.7%	GCTATTGAACATAATTAGCATTGAGACTCAACCAGATTTTATCTGTGATATGACTTACAAGATGGCACAGCAGGTCAGGT									
9	BeEt_8	93.2%	22.9%	GCTATTGAACATAATTAGCATTGAGACTCAACCAGATTTTATCTGTGATATGACTTACAAGATGGCACAGCAGGTCAGGT									
10	BeEt_6	82.5%	22.4%	GCTATTGAACATAATTAGCATTGAGACTCAACCAGATTTTATCTGTGATATGACTTACAAGATGGCACAGCAGGTCAGGT									
11	BeEt_5	92.9%	24.2%	GCTATTGAACATAATTAGCATTGAGACTCAACCAGATTTTATCTGTGATATGACTTACAAGATGGCACAGCAGGTCAGGT									
12	BhEt_7	82.5%	24.1%	GAA-----GTAGGCAGAGCAAGTCAGGT									
13	BhEt_6	84.6%	23.2%	GAA-----GTAGGCAGAGCAAGTCAGGT									
14	BhEt_5	88.4%	24.2%	GAA-----GTAGGCAGAGCAAGTCAGGT									
15	BhEt_4	90.9%	24.9%	GAA-----GTAGGCAGAGCAAGTCAGGT									
16	KhEt_2	80.3%	24.2%	GAA-----GTAGGCAGAGCAGGTCAGGT									
17	KaEt_1	61.0%	24.9%	GAA-----GTAGGCAGAGCAGGTCAGGT									
18	KhEt_5	81.4%	25.4%	GAA-----GTAGGCAGAGCAGGTCAGGT									
19	KhEt_3	81.1%	24.6%	GAA-----GTAGGCAGAGCAGGTCAGGT									
20	KhEt_4	82.5%	25.1%	GAA-----GTAGGCAGAGCAGGTCAGGT									
21	KaEt_3	68.2%	24.9%	GAA-----GTAGGCCAGAGCAGGTCAGGT									
22	BhEt_9	57.5%	24.6%	GAA-----GTAGGCAGAGCAGGTCAGGT									

23	BhEt_8	59.9%	25.3%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
24	KaEt_6	82.7%	23.9%	GAA-----	-----GATGGCTTAACAGGT	CAGGT
25	SaEt_5	91.0%	23.4%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
26	KaEt_7	82.2%	24.1%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
27	KaEt_4	82.4%	24.1%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
28	KaEt_9	77.2%	24.2%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
29	KaEt_8	81.9%	24.1%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
30	BeEt_7	81.8%	23.9%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
31	BeEt_3	82.1%	23.7%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
32	KhEt_8	82.2%	23.8%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
33	KhEt_7	78.5%	23.9%	GAA-----	-----GATGGCAGAACAGGT	CAGGT
34	BhEt_2	61.8%	22.7%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
35	BhEt_1	52.4%	18.6%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
36	BeEt_4	83.5%	26.0%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
37	SaEt_3	81.9%	25.0%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
38	KhEt_9	82.7%	25.2%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
39	SaEt_4	82.7%	25.9%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
40	SaEt_8	91.0%	25.3%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
41	KaEt_5	91.7%	25.0%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
42	KaEt_2	82.2%	25.9%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
43	KhEt_6	82.5%	25.9%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
44	SaEt_2	70.8%	26.0%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
45	SaEt_1	82.4%	25.9%	GAA-----	-----GTAGGCAGAGCAGGT	CAGGT
consensus/100%				.....	.....	.....
consensus/90%				Gss	GssGGC	SsAuCaUGT CAGGT
consensus/80%				Gss	GssGGC	uGAU CAGGT CAGGT
consensus/70%				GAA	GssGGC	AGAGCAGGT CAGGT
cov				pid	401	480
1	BhEt_3	100.0%	100.0%	-----	-----TCTCCGTTGTGCCCTCCCCAAGGTCT--	
2	BeEt_2	60.7%	19.0%	AGCGACCATTCGCGGAAGTCCGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGTTGGGTCAACTCAGGAACGCTGACA		
3	BeEt_1	60.7%	19.7%	AGCGACCATTCGCGGAAGTCCGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGTTGGGTCAACTCAGGAACGCTGACA		
4	KhEt_2	82.5%	23.5%	AACGACCGTTGCGGAAAGTTCGAAACAGCCTTCAGTTCTTGGGGTCAAACATCTGCTGGGTGACCTCGGAAACCTTGACG		
5	BeEt_9	94.5%	24.6%	AGCGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACG		
6	SaEt_7	95.0%	23.9%	AGCGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACG		
7	SaEt_6	92.6%	24.3%	AGCGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACG		
8	SaEt_9	93.9%	23.7%	AGCGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACG		
9	BeEt_8	93.2%	22.9%	AGCGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACG		
10	BeEt_6	82.5%	22.4%	AGCGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACG		
11	BeEt_5	92.9%	24.2%	AGCGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACG		
12	BhEt_7	82.5%	24.1%	AACGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
13	BhEt_6	84.6%	23.2%	AACGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
14	BhEt_5	88.4%	24.2%	AACGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
15	BhEt_4	90.9%	24.9%	AACGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
16	KhEt_2	80.3%	24.2%	AACGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
17	KaEt_1	61.0%	24.9%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACAGTGACG		
18	KhEt_5	81.4%	25.4%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACAGTGACG		
19	KhEt_3	81.1%	24.6%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACAGTGACG		
20	KhEt_4	82.5%	25.1%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACAGTGACG		
21	KaEt_3	68.2%	24.9%	AACGACCGTTGCGGAAGTCAGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACAGTGACG		
22	BhEt_9	57.5%	24.6%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACAGTGACG		
23	BhEt_8	59.9%	25.3%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACAGTGACG		
24	KaEt_6	82.7%	23.9%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
25	SaEt_5	91.0%	23.4%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
26	KaEt_7	82.2%	24.1%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
27	KaEt_4	82.4%	24.1%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
28	KaEt_9	77.2%	24.2%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
29	KaEt_8	81.9%	24.1%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
30	BeEt_7	81.8%	23.9%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
31	BeEt_3	82.1%	23.7%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
32	KhEt_8	82.2%	23.8%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
33	KhEt_7	78.5%	23.9%	AACGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCAGGAACGCTGACA		
34	BhEt_2	61.8%	22.7%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
35	BhEt_1	52.4%	18.6%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
36	BeEt_4	83.5%	26.0%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
37	SaEt_3	81.9%	25.0%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
38	KhEt_9	82.7%	25.2%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
39	SaEt_4	82.7%	25.9%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
40	SaEt_8	91.0%	25.3%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
41	KaEt_5	91.7%	25.0%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
42	KaEt_2	82.2%	25.9%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
43	KhEt_6	82.5%	25.9%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
44	SaEt_2	70.8%	26.0%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
45	SaEt_1	82.4%	25.9%	AGCGACCGTTGCGGAAGTCGGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTGAGCTCGGGGACGGTGACG		
consensus/100%				.....	.....TstssssGtssscTssssAss.....	
consensus/90%				AuCGACCGTTGCGGAAGTCuGAUGCAGCCATCATGTTCTTGGGGTCGAACATstGCTGGGTsAGCTCuGGuACusTGACu		
consensus/80%				AuCGACCGTTGCGGAAGTCuGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTsAGCTCuGGAAACGstGACu		
consensus/70%				AuCGACCGTTGCGGAAGTCuGAAGCAGCCATCATGTTCTTGGGGTCGAACATCTGCTGGGTsAGCTCuGGAAACGstGACu		

	cov	pid	481	.	5	.	.	.	:	560
1 BhEt_3	100.0%	100.0%	-----CCGACACCGTTGTCGAG-----							
2 BeEt_2	60.7%	19.0%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGAGGAGCAAAATCCAACCATGAATAAGTGTAGACTAGGGAAAGGCACCAT							
3 BeEt_1	60.7%	19.7%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGAGGAGCAAAATCCAACCATGAATAAGTGTAGACTAGGGAAAGGCACCAT							
4 KhEt_1	82.5%	23.5%	GCCG-GAAGAGTTGGGCCCCCGCGGCGGCTGAGGAGCAAAACCCAACCTGAAGAAATGAAACAGGGGAAAGGAACCTTG							
5 BeEt_9	94.5%	24.6%	GCGCGGAAAGAGTGGGCGCCACACGGCTGGTCAGGGGAGCGAATCCGACCATGAAGAAGTGCAGGCGAGGGAAAGGAACCAT							
6 SaEt_7	95.0%	23.9%	GCGCGGAAAGAGTGGGCGCCACACGGCTGGTCAGGGGAGCGAATCCGACCATGAAGAAGTGCAGGCGAGGGAAAGGAACCAT							
7 SaEt_6	92.6%	24.3%	GCGCGGAAAGAGTGGGCGCCACACGGCTGGTCAGGGGAGCGAATCCGACCATGAAGAAGTGCAGGCGAGGGAAAGGAACCAT							
8 SaEt_9	93.9%	23.7%	GCGCGGAAAGAGTGGGCGCCACACGGCTGGTCAGGGGAGCGAATCCGACCATGAAGAAGTGCAGGCGAGGGAAAGGAACCAT							
9 BeEt_8	93.2%	22.9%	GCGCGGAAAGAGTGGGCGCCACACGGCTGGTCAGGGGAGCGAATCCGACCATGAAGAAGTGCAGGCGAGGGAAAGGAACCAT							
10 BeEt_6	82.5%	22.4%	GCGCGGAAAGAGTGGGCGCCACACGGCTGGTCAGGGGAGCGAATCCGACCATGAAGAAGTGCAGGCGAGGGAAAGGAACCAT							
11 BeEt_5	92.9%	24.2%	GCGCGGAAAGAGTGGGCGCCACACGGCTGGTCAGGGGAGCGAATCCGACCATGAAGAAGTGCAGGCGAGGGAAAGGAACCAT							
12 BhEt_7	82.5%	24.1%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAA-----							
13 BhEt_6	84.6%	23.2%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
14 BhEt_5	88.4%	24.2%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
15 BhEt_4	90.9%	24.9%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
16 KhEt_2	80.3%	24.2%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
17 KaEt_1	61.0%	24.9%	GCACGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
18 KhEt_5	81.4%	25.4%	GCACGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
19 KhEt_3	81.1%	24.6%	GCACGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
20 KhEt_4	82.5%	25.1%	GCACGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
21 KaEt_3	68.2%	24.9%	GCACGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
22 BhEt_9	57.5%	24.6%	-----GGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
23 BhEt_8	59.9%	25.3%	GCACGGAAGGAGTGGGCGCCACGGCTGGTCAGAGGAGCGAAACCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
24 KaEt_6	82.7%	23.9%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
25 SaEt_5	91.0%	23.4%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
26 KaEt_7	82.2%	24.1%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
27 KaEt_4	82.4%	24.1%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
28 KaEt_9	77.2%	24.2%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
29 KaEt_8	81.9%	24.1%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
30 BeEt_7	81.8%	23.9%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
31 BeEt_3	82.1%	23.7%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
32 KhEt_8	82.2%	23.8%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
33 KhEt_7	78.5%	23.9%	GCGCGGAAAGAGTGAGCACCACGGCTGGTCAGGGGAGCGAAGCCGACCATGAAGAAGTGGAGACGAGGGAAAGGAACCAT							
34 BhEt_2	61.8%	22.7%	GCGCGGAAGGAGTGGGCGCCGCGCTGGTGAGGGGAGCGAATCCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
35 BhEt_1	52.4%	18.6%	GCGCGGAAGGAGTGGGCGCCGCGCTGGTGAGGGGAGCGAATCCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
36 BeEt_4	83.5%	26.0%	GCGCGGAAGGAGTGGGCGCCGCGCTGGTGAGGGGAGCGAATCCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
37 SaEt_3	81.9%	25.0%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTAAGAGGAGCGAAACCAACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
38 KhEt_9	82.7%	25.2%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTAAGAGGAGCGAAACCAACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
39 SaEt_4	82.7%	25.9%	GCGCGGAAGGAGTGGGCGCCGCGCTGGTGAGGGGAGCGAATCCGACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
40 SaEt_8	91.0%	25.3%	GCGCGGAAGGAGTGGCGCCACGGCTGGTAAGAGGAGCGAAACCAACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
41 KaEt_5	91.7%	25.0%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTAAGAGGAGCGAAACCAACCATGAAGAAGTGGAGACGGGGGAAAGGGAACCAT							
42 KaEt_2	82.2%	25.9%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTGAGAGGAGCGAAACCAACCATGAAGAAGTGGAGACGAGGGAAAGGGAACCAT							
43 KhEt_6	82.5%	25.9%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTGAGAGGAGCGAAACCAACCATGAAGAAGTGGAGACGAGGGAAAGGGAACCAT							
44 SaEt_2	70.8%	26.0%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTGAGAGGAGCGAAACCAACCATGAAGAAGTGGAGACGAGGGAAAGGGAACCAT							
45 SaEt_1	82.4%	25.9%	GCGCGGAAGGAGTGGGCGCCACGGCTGGTGAGAGGAGCGAAACCAACCATGAAGAAGTGGAGACGAGGGAAAGGGAACCAT							
consensus/100%			.....GSSSAG.....							
consensus/90%			GCuCGGAAuGAGTsuGcuCCuCGCTGGTsAGuGGAGCGAAsCCuACCATGAAGAAGTGSAGuCGuGGGAAuGGAACCAT							
consensus/80%			GCGCGGAAuGAGTGuGcuCCACGGCTGGTsAGuGGAGCGAAsCCuACCATGAAGAAGTGSAGACGuGGGAAuGGAACCAT							
consensus/70%			GCGCGGAAuGAGTGuGcuCCACGGCTGGTCAGuGGAGCGAAsCCGACCATGAAGAAGTGGAGACGuGGGAAuGGAACCAT							

	cov	pid	561	.	6	.	.	.	.	640
1 BhEt_3	100.0%	100.0%	-----CCCTACAACGCCACTCTCTCCAT							
2 BeEt_2	60.7%	19.0%	GTTGACGGCGAGCTTTCCGAGATCGGAGTTCAGCTGACCGGGGAAACGGATACAGGTGGTGACACCGGACATACATCAG							
3 BeEt_1	60.7%	19.7%	GTTGACGGCGAGCTTTCCGAGATCGGAGTTCAGCTGACCGGGGAAACGGATACAGGTGGTGACACCGGACATACATCAG							
4 KhEt_1	82.5%	23.5%	GTTAACGGCGAGCTTTCCGAGGTTCAAATTTCACTTGACCGGGAAACCGAGACCGGGTGGTGACCCCGACATGACGGCGG							
5 BeEt_9	94.5%	24.6%	GTTGACGGCGAGCTTTCCGAGGTTCAAATTTCACTTGACCGGGAAACCGAGACCGGGTGGTGACCCCGACATGACGGCGG							
6 SaEt_7	95.0%	23.9%	GTTGACGGCGAGCTTTCCGAGGTTCAAATTTCACTTGACCGGGAAACCGAGACCGGGTGGTGACCCCGACATGACGGCGG							
7 SaEt_6	92.6%	24.3%	GTTGACGGCGAGCTTTCCGAGGTTCAAATTTCACTTGACCGGGAAACCGAGACCGGGTGGTGACCCCGACATGACGGCGG							
8 SaEt_9	93.9%	23.7%	GTTGACGGCGAGCTTTCCGAGGTTCAAATTTCACTTGACCGGGAAACCGAGACCGGGTGGTGACCCCGACATGACGGCGG							
9 BeEt_8	93.2%	22.9%	GTTGACGGCGAGCTTTCCGAGGTTCAAATTTCACTTGACCGGGAAACCGAGACCGGGTGGTGACCCCGACATGACGGCGG							
10 BeEt_6	82.5%	22.4%	GTTGACGGCGAGCTTTCCGAGGTTCAAATTTCACTTGACCGGGAAACCGAGACCGGGTGGTGACCCCGACATGACGGCGG							
11 BeEt_5	92.9%	24.2%	GTTGACGGCGAGCTTTCCGAGGTTCAAATTTCACTTGACCGGGAAACCGAGACCGGGTGGTGACCCCGACATGACGGCGG							
12 BhEt_7	82.5%	24.1%	-----GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
13 BhEt_6	84.6%	23.2%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
14 BhEt_5	88.4%	24.2%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
15 BhEt_4	90.9%	24.9%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
16 KhEt_2	80.3%	24.2%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
17 KaEt_1	61.0%	24.9%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCTG							
18 KhEt_5	81.4%	25.4%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
19 KhEt_3	81.1%	24.6%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
20 KhEt_4	82.5%	25.1%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
21 KaEt_3	68.2%	24.9%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
22 BhEt_9	57.5%	24.6%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
23 BhEt_8	59.9%	25.3%	GTTGACGGCCAACTTCTCAGGTGAGAGTTCAACTGACCGGGGAAACCGAGGAGGTGGTGACACCCGACATGACGGCGG							
24 KaEt_6	82.7%	23.9%	GTTGACGGCGAGCTTTCCGAGGTGATAGTTCACTGACCGGGGAAACCGAGACAGGTGGTGACGCGGACATGACGGCGG							
25 SaEt_5	91.0%	23.4%	GTTGACGGCGAGCTTTCCGAGGTGATAGTTCACTGACCGGGGAAACCGAGACAGGTGGTGACGCGGACATGACGGCGG							

26 KaEt_7 82.2% 24.1% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTACAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
27 KaEt_4 82.4% 24.1% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTACAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
28 KaEt_9 77.2% 24.2% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTACAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
29 KaEt_8 81.9% 24.1% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTACAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
30 BeEt_7 81.8% 23.9% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTACAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
31 BeEt_3 82.1% 23.7% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTACAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
32 KhEt_8 82.2% 23.8% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTACAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
33 KhEt_7 78.5% 23.9% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTACAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
34 BhEt_2 61.8% 22.7% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
35 BhEt_1 52.4% 18.6% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
36 BeEt_4 83.5% 26.0% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
37 SaEt_3 81.9% 25.0% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
38 KhEt_9 82.7% 25.2% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
39 SaEt_4 82.7% 25.9% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
40 SaEt_8 91.0% 25.3% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
41 KaEt_5 91.7% 25.0% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
42 KaEt_2 82.2% 25.9% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
43 KhEt_6 82.5% 25.9% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
44 SaEt_2 70.8% 26.0% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
45 SaEt_1 82.4% 25.9% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
consensus/100% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
consensus/90% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
consensus/80% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
consensus/70% GTTGACGGCGAGCTTTCCGAGGTACAGAGTTAGAGTACACCGGGGAAACGGAGACAGGTGGTGACGCCGGACATGACGGCGG
cov pid 641 : 7 720
1 BhEt_3 100.0% 100.0% CCACCAGCTTGTGCGAAGCTCTGA-CGAGACCTTCTGTATCGACAACGAGGCCCTCTACGACATCTGCATGAGGACCTC
2 BeEt_2 60.7% 19.0% ATCGAGGTAGTTGAGGGTCACCGTATGATGGGTTGGACAGCTTC--AGGTGCGCA-TGCATATTTCTTAGAGG-TCCTC
3 BeEt_1 60.7% 19.7% ATCGAGGTAGTTGAGGGTCACCGTATGATGGGTTGGACAGCTTC--AGGTGCGCA-TGCATATTTCTTAGAGG-TCCTC
4 KhEt_4 82.5% 23.5% AAACAGGTGGTCCAGGTCCCGTAAGAGGGGTTGACGACTTG--AGAGTGCAGTGCATGCAATGCTCTAA--AGGCCCTC
5 BeEt_9 94.5% 24.6% AGACCAGGTAGTTCAGGTACCCGTACGTAGGGTTAGACAGCTTG--AGGGTTCTCATGCGAGATATCGTACAGA-GCCTC
6 SaEt_7 95.0% 23.9% AGACCAGGTAGTTCAGGTACCCGTACGTAGGGTTAGACAGCTTG--AGGGTTCTCATGCGAGATATCGTACAGA-GCCTC
7 SaEt_6 92.6% 24.3% AGACCAGGTAGTTCAGGTACCCGTACGTAGGGTTAGACAGCTTG--AGGGTTCTCATGCGAGATATCGTACAGA-GCCTC
8 SaEt_9 93.9% 23.7% AGACCAGGTAGTTCAGGTACCCGTACGTAGGGTTAGACAGCTTG--AGGGTTCTCATGCGAGATATCGTACAGA-GCCTC
9 BeEt_8 93.2% 22.9% AGACCAGGTAGTTCAGGTACCCGTACGTAGGGTTAGACAGCTTG--AGGGTTCTCATGCGAGATATCGTACAGA-GCCTC
10 BeEt_6 82.5% 22.4% AGACCAGGTAGTTCAGGTACCCGTACGTAGGGTTAGACAGCTTG--AGGGTTCTCATGCGAGATATCGTACAGA-GCCTC
11 BeEt_5 92.9% 24.2% AGACCAGGTAGTTCAGGTACCCGTACGTAGGGTTAGACAGCTTG--AGGGTTCTCATGCGAGATATCGTACAGA-GCCTC
12 BhEt_7 82.5% 24.1% -----GGGGTTGAGCTTG--AGAGTCTCATGCGAGATGTCGTAGAGG-GCCTC
13 BhEt_6 84.6% 23.2% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGAGTCTCATGCGAGATGTCGTAGAGG-GCCTC
14 BhEt_5 88.4% 24.2% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGAGTCTCATGCGAGATGTCGTAGAGG-GCCTC
15 BhEt_4 90.9% 24.9% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGAGTCTCATGCGAGATGTCGTAGAGG-GCCTC
16 KhEt_2 80.3% 24.2% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGAGTCTCATGCGAGATGTCGTATAGG-GCCTC
17 KaEt_1 61.0% 24.9% A-ACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGAGTCTCATGCGAGATGTCGTAGAGGGGCTC
18 KhEt_5 81.4% 25.4% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGGGTCTCATGCGAGATGTCGTAGAGG-GCCTC
19 KhEt_3 81.1% 24.6% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGGGTCTCATGCGAGATGTCGTAGAGG-GCCTC
20 KhEt_4 82.5% 25.1% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGAGTCTCATGCGAGATGTCGTAGAGG-GCCTC
21 KaEt_3 68.2% 24.9% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGGGTCTCATGCGAGATGTCGTAGAGG-GCCTC
22 BhEt_9 57.5% 24.6% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGGGTCTCATGCGAGATGTCGTAGAGG-GCCTC
23 BhEt_8 59.9% 25.3% AGACGAGGTGGTTCAGGTACCCGTAGGAGGGGTTGTTGAGCTTG--AGGGTCTCATGCGAGATGTCGTAGAGG-GCCTC
24 KaEt_6 82.7% 23.9% AGACTAGGTATTTCAAGTCGCGCTAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
25 SaEt_5 91.0% 23.4% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
26 KaEt_7 82.2% 24.1% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
27 KaEt_4 82.4% 24.1% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
28 KaEt_9 77.2% 24.2% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
29 BeEt_7 81.9% 24.1% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
30 KaEt_8 81.8% 23.9% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
31 BeEt_3 82.1% 23.7% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
32 KhEt_8 82.2% 23.8% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
33 BhEt_7 78.5% 23.9% AGACGAGGTAGTTCAGTCGCCGTAAAGAGGGGTTGGACAGCTTG--AGGGTGCAGTGCAGATGTCGTAAGG-GCCTC
34 KhEt_2 61.8% 22.7% AAACGAGGTGGTTCAGGTCCCGTAAAGAGGGGTTGTCATCTTG--AGAGTCTCATGCGCGATTGCTATAAG-GCCTT
35 BhEt_1 52.4% 18.6% AAACGAGGTGGTTCAGGTCCCGTAGGAGGGGTTGTCATCTTG--AGAGTCTCATGCGCGATTGCTATAAG-GCCTT
36 BeEt_4 83.5% 26.0% AAACGAGGTGGTTCAGGTCCCGTA-GAGGGGTTGTCAGCTTG--AGAGTCTCATGCGAGATGTCGTAGAGA-GCCTC
37 SaEt_3 81.9% 25.0% ATACGAGGTGGTTCAGGTACCCGTACTAGGGGTTGTCAGCTTG--AGGGTCTCATGCAATATGTCGTAGAGA-GCCTC
38 KhEt_9 82.7% 25.2% AAACGAGGTGGTTCAGGTACCCGTACGAGGGGTTGTCAGCTTG--AGGGTCTCATGCAATATGTCGTAGAGA-GCCTC
39 SaEt_4 82.7% 25.9% A-ACGAGGTGGTTCAGGTCCCGTAGGAGGGGTTGTCAGCTTG--AGAGTCTCATGCGAGATGTCGTAGAGA-GCCTC
40 SaEt_8 91.0% 25.3% AGACGAGGTGGTTCAGGTACCCGTACGAGGGGTTGTCAGCTTG--AGGGTCTCATGCAATATGTCGTAGAGA-GCCTC
41 KaEt_5 91.7

2 BeEt_2 60.7% 19.7% TTTATCGATTTC-TAATGTCTCTTCGGAGTTCCTACCATCTTT---GAACGGATATGTTGTTTTTTTGTCTCATCTACT
 3 BeEt_1 60.7% 19.7% TTTATCGATTTC-TAATGTCTCTTCGGAGTTCCTACCATCTTT---GAACGGATATGTTGTTTTTTTGTCTCATCTACT
 4 KhEt_1 82.5% 23.5% GTTATCCATACAAAAGGTCCTGTCGGATT--CTCGACCAACCTGTGGACTGAAAGAGTAGCGTTGTAAAGCTCAACAACG
 5 BeEt_9 94.5% 24.6% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGAACGGAGAGAGTGGCGTTGTAAAGCTCAACAACG
 6 SaEt_7 95.0% 23.9% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGAACGGAGAGAGTGGCGTTGTAAAGCTCAACAACG
 7 SaEt_6 92.6% 24.3% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGAACGGAGAGAGTGGCGTTGTAAAGCTCAACAACG
 8 SaEt_9 93.9% 23.7% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGAACGGAGAGAGTGGCGTTGTAAAGCTCAACAACG
 9 BeEt_8 93.2% 22.9% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGAACGGAGAGAGTGGCGTTGTAAAGCTCAACAACG
 10 BeEt_6 82.5% 22.4% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGAACGGAGAGAGTGGCGTTGTAAAGCTCAACAACG
 11 BeEt_5 92.9% 24.2% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGAACGGAGAGAGTGGCGTTGTAAAGCTCAACAACG
 12 BhEt_7 82.5% 24.1% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTAGGGCTCGACAACG
 13 BhEt_6 84.6% 23.2% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTAGGGCTCGACAACG
 14 BhEt_5 88.4% 24.2% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTAGGGCTCGACAACG
 15 BhEt_4 90.9% 24.9% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTAGGGCTCGACAACG
 16 KhEt_2 80.3% 24.2% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTATGGCTCTTCGACG
 17 KaEt_1 61.0% 24.9% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTATGGCTCGATAACG
 18 KhEt_5 81.4% 25.4% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGAGTGGCGTTGTAGGGCTCGACAACG
 19 KhEt_3 81.1% 24.6% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTAGGGCTCGACAACG
 20 KhEt_4 82.5% 25.1% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTAGGGCTCGACAACG
 21 KaEt_3 68.2% 24.9% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTAGGGCTCGACAACG
 22 BhEt_9 57.5% 24.6% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTATG-----
 23 BhEt_8 59.9% 25.3% GTTGTGATACAGAAGGTCCTGTCGGAGTTC-TCGACAAGCTGGTGGATGGAGAGGGTGGCGTTGTATG-----
 24 KaEt_6 82.7% 23.9% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 25 SaEt_5 91.0% 23.4% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 26 KaEt_7 82.2% 24.1% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 27 KaEt_4 82.4% 24.1% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 28 KaEt_9 77.2% 24.2% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 29 KaEt_8 81.9% 24.1% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 30 BeEt_7 81.8% 23.9% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 31 BeEt_3 82.1% 23.7% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 32 KhEt_8 82.2% 23.8% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 33 KhEt_7 78.5% 23.9% GTTATCGATACAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGACGGAAAGAGTAGCGTTGTAGGGCTCAACAACG
 34 BhEt_2 61.8% 22.7% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 35 BhEt_1 52.4% 18.6% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 36 BeEt_4 83.5% 26.0% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 37 SaEt_3 81.9% 25.0% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGATTACG
 38 KhEt_9 82.7% 25.2% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 39 SaEt_4 82.7% 25.9% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 40 SaEt_8 91.0% 25.3% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 41 KaEt_5 91.7% 25.0% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 42 KaEt_2 82.2% 25.9% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 43 KhEt_6 82.5% 25.9% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 44 SaEt_2 70.8% 26.0% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 45 SaEt_1 82.4% 25.9% GTTGTCTATGCAGAAAGTCTCGTCCGAGTTC-TCGACCAGCTGGTGGATGGAGAGTGTGGCGTTGTAGGGCTCGACAACG
 consensus/100% SS...SSTSS.SAASSSCTCSTSSGuss...SSSSCSSSSSS...SSSSSSSSSSSSSSSSTSTSSS.....
 consensus/90% GTTuTCuATuCAGAAuGTCCTGTCsGAGT.s.TCuAcSAsCTsGtuuuAsuGausGsGtSGSGTtGtSSGSstSuSSSSCs
 consensus/80% GTTuTCuATuCAGAAuGTCCTGTCuGAGT.s.TCuAcSAGCTGGTGuAsGGuAGsGtuGCGTtGtAuGGCTCuACAACG
 consensus/70% GTTuTCuATuCAGAAuGTCCTGTCuGAGT.T.CuAcSAGCTGGTGGAsGGuAGsGtuGCGTtGtAuGGCTCuACAACG

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 1 BhEt_3 100.0% 100.0% GCCT-----GCGTTTCCCCGGTCAGTTGAACCTTGACCTGAGGGAAGT
 2 BeEt_2 60.7% 19.0% GTGGCATATACCTGTGTGGGATGTATCTACTAGATT--
 3 BeEt_1 60.7% 19.7% GTGGCATATACCTGTGTGGGATGTATCTACTAGATT--
 4 KhEt_1 82.5% 23.5% GTGTCCGAGACCTTAGGAGAAAGGAGGACGAAAGTAGCCA-----TCATACG--TCGGGGAACCTCCTACGGATCTTG
 5 BeEt_9 94.5% 24.6% GTGTCCGAAACCTTTGGGGGGAG--GGGACAAACGGAGAAGGTAGCCATCATGCGGTTCGGGGGAACCTCCTACGAAATCTT
 6 SaEt_7 95.0% 23.9% GTGTCCGAAACCTTTGGGGGGAG--GGGACAAACGGAGAAGGTAGCCATCATGCGGTTCGGGGA-ACCTCCTACGAAATCTTG
 7 SaEt_6 92.6% 24.3% GTGTCCGAAACCTTTGGGGGGAG--GGGACAAACGGAGAAGGTAGCCATCATGCGGTTCGGGGA-ACCTCCTACGAAATCTTG
 8 SaEt_9 93.9% 23.7% GTGTCCGAAACCTTTGGGGGGAG--GGGACAAACGGAGAAGGTAGCCATCATGCGGTTCGGGGGAACCTCCTACGAAATCTTG
 9 BeEt_8 93.2% 22.9% GTGTCCGAAACCTTTGGGGGGAG--GGGACAAACGGAGAAGGTAGCCATCATGCGGTTCGGGGGAACCTCCTACGAAATCTT--
 10 BeEt_6 82.5% 22.4% GTGTCCGAAACCTTTGGGGGGAG--GGGACAAACGGAGAAGGTAGCCATCATGCGGTTCGGGGGAACCTCCTACGAAATCTT--
 11 BeEt_5 92.9% 24.2% GTGTCCGAAACCTTTGGGGGGAG--GGGACAAACGGAGAAGGTAGCCATCATGCGGTTCGGGGGAACCTCCTACGAAATCTT--
 12 BhEt_7 82.5% 24.1% GTGTCCGAGACCTTTGGGGGAGGGCACAACGGAGAAGGTGG--CCAT-CATGCGG-TCGGGGAACCTCCTCGCGATCTTG
 13 BhEt_6 84.6% 23.2% GTGTCCGAGACCTTTGGGGGAGGGCACAACGGAGAAGGTGG--CCAT-CATGCGG-TCGGGGAACCTCCTCGCGATCTTG
 14 BhEt_5 88.4% 24.2% GTGTCCGAGACCTTTGGGGGAGGGCACAACGGAGAAGGTGG--CCAT-CATGCGG-TCGGGGAACCTCCTCGCGATCTTG
 15 BhEt_4 90.9% 24.9% GTTTCGGAGATCTTTGGTGGAGGGGTTT

GTGTCGGAGACCTTAGGAGAA---GGGACGACGGAGAAGGTAGCCATCATACGGTCGGG-GAACTCCTCACGGATCTTGG
GTGTCGGAGACCTTAGGAGAA---GGGACGACGGAGAAGGTAGCCATCATACGGTCGGG-GAACTCCTCACGGATCTTGG
GTGTCGGAGACCTTAGGAGAA---GGGACGACGGAGAAGGTAGCCATCATACGGTCGGG-GAACTCCTCACGGATCTTGG
GTGTCGGAGACCTTAGGAGAA---GGGACGACGGAGAAGGTAGCCATCATACGGTCGGG-GAACTCCTCACGGATCTTGG
GTGTCGGAGACCTTAGGAGAA---GGGACGACGGAGAAGGTAGCCATCATACGGTCGGG-GAACTCCTCACGGATCTTGG
CCCTCTTTTTTATTATGCTTCACTTCTCTCCCTTTCTCTGCTC-----
CCCTCTTTTTTATTATGCTTCACTTCTCTCCCTTTCTCTGCTC-----
GTGTCAGATATCTTGGGGAA---GGCAGCAGCCGCTACGTGCCGTATGCGATCTGGTA-ACTCTCTCGGATCTGGG
GTGTCGTAGACCTTGGGCAG---GGCAGCAGCGAGTAGGTGGCCATCATACGGTCGGGGAACTCCTCACGGATCTTG
GTGTCGGAGACCTTGGGAGAG---GGCAGCAGCGAGTAGTGGCCATCATACGGTCGGGGTACTCCTCACTGATCTTGG
GTGTCGGAGACCTTGGGGGAA---GGCAGCAGCGAGTAGGTGGCCATCATGCGGTCGGGGAATCC--TCACGGATCTGG
GTGTCGGAGACCTTGGGGCGA---GGGCAGCAGCGAGTAGGTGCCATCATGCGGTCGGGGAACTCCTCACGGATCTTGG
GTGTCGGAGACCTTGGG-CGA---GGGCAGCAGCGAGTAGGTGGCCATCATGCGGTCG-GGGAACCTCCTCACGGATCTTGG
GTGTCGGAGACCTTGGG-CGA---GGGCACAACGGAGTAGTGGCCATCATGCGGTCG-GGGAACCTCCTCACGGATCTTGG
GTGTCGGAGACCTTGGG-CGA---GGGCACAACGGAGTAGTGGCCATCATGCGGTCG-GGGAACCTCCTCACGGATCTTGG
GTGTCGGAGACCTTGGG-CGA---GGGCACAACGGAGTAGTGGCCATCATGCGGTCG-GGGAACCTCCTCACGGATCTTGG
GTGTCGGAGACCTTGGG-CGA---GGGCACAACGGAGTAGTGGCCATCATGCGGTCG-GGGAACCTCCTCACGGATCTTGG
GTGTCGGAGACCTTGGG-CGA---GGGCACAACGGAGTAGTGGCCATCATGCGGTCG-GGGAACCTCCTCACGGATCTTGG

GSSSCSSSSS.TSSUS.SSS...SSSSSSSSSSS.....
GTGTCGGAaACCTTUGGsuuu...uSSsCuusssssssG.s.C.s.CuTuCGu.ss.G.u.sssCSSSSSSUUSSS..
GTGTCGGAuACCTTUGGuuu...uSSACuusGuAGSSsG.s.CsSTCATuCGGTCSsG.uuACTCCTCuCGuAsssTss

[illegible]

UUU.SS..USSSS..SSSSSSSSSSSSS.....SSSSS.S.SSSSSUSSS..S.SSSSSS...S....S
uuA.SS..uuSAu.TSCCCTSCCGSS.....SSSCSSC.CCCAuuuuu.SG.GUSSS...u.ASS.SS

[illegible]

5	BeEt_9	94.5%	24.6%	TGGGAGGCA-GTT---CGCAAGCCT-TCAGCT-----CTTCGGCGGCGGAC---CGACGTCAAGAA-CCGTTTGGTCCG
6	SaEt_7	95.0%	23.9%	TGGGAGGGCAGGT---CGTAGCCCCCTCAGT-----CCTTCGGCGGGGACGAACGATCAAAGGAAGCGGATTGGTCGA
7	SaEt_6	92.6%	24.3%	TGGGAGGGCAGGT---CGTAGCCCCCTCAGT-----CCTTCGGCGGGGACGAACGATCAAAGGAAGCGGATTGGTCGA
8	SaEt_9	93.9%	23.7%	TGGAAGGCAGT-----CGCAGCCCATCAGC-----CTTCGGCGGCGGACGGACGATCA-AGGAA-ACGATTGGTCGA
9	BeEt_8	93.2%	22.9%	AGGCAGGTCTGG-----C--AGCCCCCTCAGC---CTC-G-CGGCCGGA-CGACGATCAAAGGAAACGGTTTGGTCGA
10	BeEt_6	82.5%	22.4%	GGAGGCAGTCTG-----C--AGCCCCCTCAGC---CTC-G-GCGGCGG-----
11	BeEt_5	92.9%	24.2%	GGAGGCAGTCTG-----C--AGCCCCCTCAGC---CTC-G-GCGGCGGAACGACGATCCAAGAAACCGGTTGGCGGAC
12	BhEt_7	82.5%	24.1%	TGGAGGCAG---T---CGCAGCCCTCGGCCTC-----A-CGG-----CGGACGACGTCTGAGGAC---CTGGTCGA
13	BhEt_6	84.6%	23.2%	TGGAGGCAG---T---CGCAGCCCTCGGCCTC-----A-CGG-----CGGACGACGTCTGAGGAC---CTGGTCGA
14	BhEt_5	88.4%	24.2%	TGGAGGCAG---T---CGCAGCCCTCGGCCTC-----A-CGG-----CGGACGACGTCTGAGGAC---CTGGTCGA
15	BhEt_4	90.9%	24.9%	TGGAGGCAG---T---CGCAGCCCTCGGCCTC-----A-CGG-----CGGACGACGTCTGAGGAC---CTGGTCGA
16	KhEt_2	80.3%	24.2%	GATAGGTTT---T---CGTGATTG-----
17	KaEt_1	61.0%	24.9%	-----
18	KhEt_5	81.4%	25.4%	TGGAGGCAG---T---CGCAGCCCTCGGCCTC-----A-CGG-----CG-----
19	KhEt_3	81.1%	24.6%	TGTAGGAGG---T---TCCATCCCTTGGCCT-----
20	KhEt_4	82.5%	25.1%	-GGAGGCAG---T---CGCAGCCCTCGGCCTC-----A-CGG-----CGGACGA-----
21	KaEt_3	68.2%	24.9%	-----
22	BhEt_9	57.5%	24.6%	-----
23	BhEt_8	59.9%	25.3%	-----
24	KaEt_6	82.7%	23.9%	TGGTGCTTC---G---CAACCCCTCGGCC---T-----C-GCGG-----CGGACGACATC-----
25	SaEt_5	91.0%	23.4%	TGGAGGCAG---T---CGCAACCCCTCGGCCTC-----C-GCGG-----CGGACGACATCGAGGAC---GTTGTCTGA
26	KaEt_7	82.2%	24.1%	TGGAGGCAG---T---CGCAACCCCTCGGCCTC-----G-CGGC-----GGAC-----
27	KaEt_4	82.4%	24.1%	TGGAGGCAG---T---CGCAACCCCTCGGCCTC-----G-CGGC-----GGACG-----
28	KaEt_9	77.2%	24.2%	TGG-----
29	KaEt_8	81.9%	24.1%	TGGAGGCAG---T---CGCAACCCCTCGGCCTC-----G-CGGC-----GG-----
30	BeEt_7	81.8%	23.9%	TGGAGGCAG---T---CGCAACCCCTCGGCCTC-----G-CGGC-----G-----
31	BeEt_3	82.1%	23.7%	TGGAGCAGT-----CGCAACCCCTCGGCCTC-----G-CGGC-----GGAC-----
32	KhEt_8	82.2%	23.8%	TGGAGCAGT-----CGCAACCCCTCGGCCTC-----G-CGGC-----GGACG-----
33	KhEt_7	78.5%	23.9%	TGGAGCAGT-----CG-----
34	BhEt_2	61.8%	22.7%	-----
35	BhEt_1	52.4%	18.6%	-----
36	BeEt_4	83.5%	26.0%	TGGATTCTGT---T---CGGGTCCCTCGGCCTG-----GCGGCG-----G--AGGACATCAA-----
37	SaEt_3	81.9%	25.0%	TGGATGCTG---T---CGCATCCCTCGGCCTC-----G-----
38	KhEt_9	82.7%	25.2%	TGGAGGCAG---T---CGCAGCCTTGGGCCT-----CACGAC-----GGA-----
39	SaEt_4	82.7%	25.9%	TGGAGGCAG---T---CGCAGCCTTGGGCCT-----GCGGCG-----CACGACAT-----
40	SaEt_8	91.0%	25.3%	TGGAGGCAG---T---CGCAGCCTTGGGCCT-----GCGACG-----CACACGTCAAGGACC---TGGTCGA
41	KaEt_5	91.7%	25.0%	TGGAGGCAG---T---CGCAGCCTTGGGCCT-----TCGCGA-----CGCACACGTCAATGGAC---CCTGGTCGA
42	KaEt_2	82.2%	25.9%	TGGAGGCAG---T---CGCAGCCTTGGGCCT-----GCGACG-----GACG-----
43	KhEt_6	82.5%	25.9%	TGGAGGCAG---T---CGCAGCCTTGGGCCT-----GCGACG-----GACGA-----
44	SaEt_2	70.8%	26.0%	-----
45	SaEt_1	82.4%	25.9%	TGGAGGCAG---T---CGCAGCCTTGGGCCT-----GCGACG-----GACG-----
consensus/100%			
consensus/90%			
consensus/80%				.SS.....
consensus/70%				SGGusssss.....S..SSSSSSSSSS.....S.....

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1	BhEt_3	100.0%	100.0%	TCCGACT-TCCGCAACG---GTCGTTACCTGACCTGCTCTGCG-----						
2	BeEt_2	60.7%	19.0%	-----						
3	BeEt_1	60.7%	19.7%	-----						
4	KhEt_1	82.5%	23.5%	-----						
5	BeEt_9	94.5%	24.6%	AACAAGCTTCAGGCACCCCTCCAGATGTTAGTTGACCCCTTGGTCTCCAGGTCTGGGTTTTAACACGAGAGAGCT						
6	SaEt_7	95.0%	23.9%	CCAG-CATCAAGCCACCCATCAGCTGGTAGGTGCAACTGCCTTGGCGCTCCGA-GGCTGTGTTTACGTCAG---						
7	SaEt_6	92.6%	24.3%	CCAG-CATCAAGCCACCCATCAGCTGGTAG-----						
8	SaEt_9	93.9%	23.7%	CCAAGCATCCAGCCA-CCATCAAGTTGTAGTTGACCGCTTGGCTAGTTGATGAGCCTGGATGTCT---G---						
9	BeEt_8	93.2%	22.9%	CAAGGCATCAGCAACTATCCAGCTGTAGTTGACTCCTTGGTCAGCTGTGTGATA-----						
10	BeEt_6	82.5%	22.4%	-----						
11	BeEt_5	92.9%	24.2%	CAAGGCTTCAAGCAACCCGTCAGCGGTAAAGTACCCGTTGG-----						
12	BhEt_7	82.5%	24.1%	CCAGCTC---GGCACCT---CAGTGTAGTTGACTCGTTGGCCAGTTT-GT--TTACCGGGA-----						
13	BhEt_6	84.6%	23.2%	CCAGCTC---GGCACCT---CAGTGTAGTTGACTCGTTGGCCAGTTT-GT--TTACCGGGA-----						
14	BhEt_5	88.4%	24.2%	CCAGCTC---GGCACCT---CAGTGTAGTTGACTCGTTGGCCAGTTT-GT--TTACCGGGA-----						
15	BhEt_4	90.9%	24.9%	CCAGCTC---GGCACCT---CAGTGTAGTTGACTCGTTGGCCAGTTT-GT--TTACCGGGA-----						
16	KhEt_2	80.3%	24.2%	-----						
17	KaEt_1	61.0%	24.9%	-----						
18	KhEt_5	81.4%	25.4%	-----						
19	KhEt_3	81.1%	24.6%	-----						
20	KhEt_4	82.5%	25.1%	-----						
21	KaEt_3	68.2%	24.9%	-----						
22	BhEt_9	57.5%	24.6%	-----						
23	BhEt_8	59.9%	25.3%	-----						
24	KaEt_6	82.7%	23.9%	-----						
25	SaEt_5	91.0%	23.4%	CAAGCTC---AGCTCCTT---CAGTGTAAAGACCTT-TGGGCCAGTTT-GT--TACCGAA-----						
26	KaEt_7	82.2%	24.1%	-----						
27	KaEt_4	82.4%	24.1%	-----						
28	KaEt_9	77.2%	24.2%	-----						
29	KaEt_8	81.9%	24.1%	-----						
30	BeEt_7	81.8%	23.9%	-----						
31	BeEt_3	82.1%	23.7%	-----						

32	KhEt_8	82.2%	23.8%	-----
33	KhEt_7	78.5%	23.9%	-----
34	BhEt_2	61.8%	22.7%	-----
35	BhEt_1	52.4%	18.6%	-----
36	BeEt_4	83.5%	26.0%	-----
37	SaEt_3	81.9%	25.0%	-----
38	KhEt_9	82.7%	25.2%	-----
39	SaEt_4	82.7%	25.9%	-----
40	SaEt_8	91.0%	25.3%	CGAGCTC---GGCACCT--CAGTGTAGTG-ACCCCTTGGATCAGTT-TG--TGGTTATCACCGAGAAGGA-
41	KaEt_5	91.7%	25.0%	CGAGCAT---CGGCACCCCTTCAGTTGTAGTTGACCCCTTGGGCCCAGA-TT--TGTTTTACCAGGAA-----
42	KaEt_2	82.2%	25.9%	-----
43	KhEt_6	82.5%	25.9%	-----
44	SaEt_2	70.8%	26.0%	-----
45	SaEt_1	82.4%	25.9%	-----
	consensus/100%			.....
	consensus/90%			.....
	consensus/80%			.....
	consensus/70%			.....