

IDENTIFICATION ENGINE: RESULTS



Results Summary

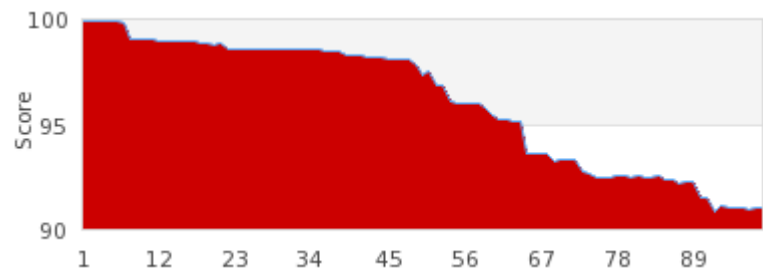


Query ID	Best ID	Search DB
unlabeled_sequence	<i>Origanum vulgare</i>	MATK_RBCL

Query: unlabeled_sequence
Top Hit: Lamiales - *Origanum vulgare*

Score Summary

E-Value Summary



Scores indicate the degree of similarity between the query sequence and hits. Higher is better.



E-Values are an indicator of the likelihood that a given match was generated randomly. Lower is better.

Top 100 Matches

Rank	Phylum	Class	Order	Family	Genus	Species	Subspecies	Score	Similarity	E-Value	Status
1	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Origanum	vulgare		1298	99.92	0	Published
2	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Origanum	vulgare		1298	99.92	0	Published
3	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Origanum	vulgare		1298	99.92	0	Published
4	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Origanum	vulgare		1298	99.92	0	Published
5	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Origanum	vulgare		1298	99.92	0	Published
6	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Origanum	vulgare		1298	99.92	0	Published
7	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Origanum	vulgare	subsp. virens	1294	99.77	0	Private
8	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Thymus	praecox britannicus		1279	99.08	0	Published
9	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	Thymus	praecox	arcticus	1279	99.08	0	Private

10	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>mastichina</i>		1279	99.08	0	Published 
11	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>villosus</i>	<i>lusitanicus</i>	1277	99	0	Private
12	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>serpyllum</i>	<i>ssp tanaensis</i>	1275	98.93	0	Private
13	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>pulegioides</i>		1275	98.93	0	Published 
14	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>x citriodorus</i>		1275	98.93	0	Published 
15	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>vulgaris</i>		1275	98.93	0	Published 
16	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>mastichina</i>		1275	98.93	0	Published 
17	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>carnosus</i>		1275	98.93	0	Published 
18	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>zygis</i>	<i>sylvestris</i>	1273	98.85	0	Private
19	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>capitellatus</i>		1273	98.85	0	Published 
20	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>camphoratus</i>		1271	98.77	0	Published 
21	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymbra</i>	<i>capitata</i>		1270	98.85	0	Published 
22	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>arvensis</i>		1264	98.62	0	Published 
23	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>spicata</i>		1264	98.62	0	Published 
24	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>spicata</i>		1264	98.62	0	Published 
25	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>spicata</i>		1264	98.62	0	Published 

26	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>spicata</i>	1264	98.62	0	Published 
27	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>spicata</i>	1262	98.54	0	Published 
28	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Satureja</i>	<i>montana</i>	1262	98.54	0	Published 
29	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>aquatica</i>	1262	98.54	0	Published 
30	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>x piperita</i>	1262	98.54	0	Published 
31	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>aquatica</i>	1262	98.54	0	Published 
32	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Satureja</i>	<i>montana</i>	1262	98.54	0	Published 
33	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>x piperita</i>	1262	98.54	0	Published 
34	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Satureja</i>	<i>montana</i>	1262	98.54	0	Published 
35	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>aquatica</i>	1262	98.54	0	Published 
36	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>aquatica</i>	1260	98.46	0	Published 
37	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>suaveolens</i>	1260	98.46	0	Published 
38	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>suaveolens</i>	1260	98.46	0	Published 
39	Tracheophyta	Magnoliopsida	Caryophyllales	Chenopodiaceae	<i>Chenopodium</i>		1256	98.31	0	Private
40	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>pulegioides</i>	1256	98.31	0	Published 

41	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Acinos</i>	<i>arvensis</i>		1256	98.31	0	Published 
42	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>pulegium</i>		1252	98.15	0	Published 
43	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>pulegium</i>		1252	98.15	0	Published 
44	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>pulegium</i>		1252	98.15	0	Published 
45	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Clinopodium</i>	<i>menthifolium</i>	<i>ascendens</i>	1250	98.08	0	Private
46	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Clinopodium</i>	<i>menthifolium</i>	<i>ascendens</i>	1250	98.08	0	Private
47	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Thymus</i>	<i>vulgaris</i>		1250	98.09	0	Published 
48	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Clinopodium</i>	<i>menthifolium</i>	<i>ascendens</i>	1250	98.08	0	Private
49	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Mentha</i>	<i>cervina</i>		1245	97.78	0	Published 
50	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Micromeria</i>	<i>forbesii</i>		1230	97.31	0	Published 
51	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Pogogyne</i>	<i>zizyphoroides</i>		1226	97.52	0	Published 
52	Tracheophyta	Magnoliopsida	Asterales	Asteraceae	<i>Helichrysum</i>	<i>italicum</i>	<i>picardii</i>	1218	96.85	0	Private
53	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Melissa</i>	<i>officinalis</i>		1218	96.85	0	Published 
54	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Lycopus</i>	<i>europaeus</i>		1198	96.08	0	Published 
55	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Salvia</i>	<i>officinalis</i>		1196	96	0	Published 
56	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Salvia</i>	<i>officinalis</i>		1196	96	0	Published 

57	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Salvia</i>	<i>officinalis</i>	1196	96	0	Published 
58	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Salvia</i>	<i>officinalis</i>	1196	96	0	Published 
59	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Glechoma</i>	<i>hederacea</i>	1190	95.85	0	Published 
60	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Salvia</i>	<i>mellifera</i>	1180	95.38	0	Private
61	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Prunella</i>	<i>vulgaris</i>	1179	95.25	0	Published 
62	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Salvia</i>	<i>rosmarinus</i>	1179	95.25	0	Published 
63	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Salvia</i>	<i>rosmarinus</i>	1177	95.18	0	Private
64	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Salvia</i>	<i>rosmarinus</i>	1177	95.18	0	Published 
65	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Ocimum</i>	<i>basilicum</i>	1138	93.58	0	Published 
66	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Ocimum</i>	<i>basilicum</i>	1138	93.58	0	Published 
67	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Ocimum</i>	<i>basilicum</i>	1138	93.58	0	Published 
68	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Ocimum</i>	<i>basilicum</i>	1138	93.58	0	Published 
69	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Plectranthus</i>	<i>barbatus</i>	1128	93.2	0	Published 
70	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Hyssopus</i>	<i>officinalis</i>	1127	93.38	0	Published 
71	Tracheophyta	Magnoliopsida	Brassicales	Brassicaceae	<i>Isatis</i>	<i>tinctoria</i>	1127	93.38	0	Published 
72	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Hyssopus</i>	<i>officinalis</i>	1127	93.38	0	Published 

73	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Lavandula</i>	<i>angustifolia</i>		1116	92.74	0	Published 
74	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Lavandula</i>	<i>angustifolia</i>		1114	92.67	0	Published 
75	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Lavandula</i>	<i>stoechas</i>	<i>luisieri</i>	1110	92.51	0	Private
76	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Lavandula</i>	<i>stoechas</i>	<i>luisieri</i>	1110	92.51	0	Private
77	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Lavandula</i>	<i>pedunculata</i>	<i>lusitanica</i>	1110	92.51	0	Private
78	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>agnus-castus</i>		1108	92.62	0	Published 
79	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>agnus-castus</i>		1108	92.62	0	Published 
80	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Lavandula</i>	<i>stoechas</i>	<i>luisieri</i>	1108	92.44	0	Private
81	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>rotundifolia</i>		1106	92.54	0	Published 
82	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>trifolia</i>		1104	92.46	0	Published 
83	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>negundo</i>		1104	92.46	0	Published 
84	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Siphocranion</i>	<i>nudipes</i>		1102	92.62	0	Published 
85	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>glabrata</i>		1102	92.38	0	Published 
86	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>quinata</i>		1102	92.38	0	Published 
87	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Lavandula</i>	<i>dentata</i>		1102	92.21	0	Published 
88	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Callicarpa</i>	<i>mollis</i>		1097	92.31	0	Published 

89	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Callicarpa</i>	<i>bodinieri</i>	1097	92.31	0	Published 
90	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>limonifolia</i>	1077	91.54	0	Published 
91	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>carbunculum</i>	1077	91.54	0	Published 
92	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Vitex</i>	<i>canescens</i>	1072	90.9	0	Published 
93	Tracheophyta	Magnoliopsida	Lamiales	Stilbaceae	<i>Halleria</i>	<i>tetragona</i>	1067	91.15	0	Published 
94	Tracheophyta	Magnoliopsida	Lamiales	Schlegeliaceae	<i>Schlegelia</i>	<i>fuscata</i>	1066	91.04	0	Published 
95	Tracheophyta	Magnoliopsida	Lamiales	Stilbaceae	<i>Halleria</i>	<i>lucida</i>	1065	91.08	0	Published 
96	Tracheophyta	Magnoliopsida	Lamiales	Stilbaceae	<i>Halleria</i>	<i>lucida</i>	1065	91.08	0	Published 
97	Tracheophyta	Magnoliopsida	Lamiales	Martyniaceae	<i>Ibicella</i>	<i>lutea</i>	1064	90.96	0	Published 
98	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Scutellaria</i>	<i>hastifolia</i>	1064	91.07	0	Published 
99	Tracheophyta	Magnoliopsida	Lamiales	Lamiaceae	<i>Scutellaria</i>	<i>galericulata</i>	1064	91.07	0	Published 
100	Tracheophyta	Magnoliopsida	Lamiales	Martyniaceae	<i>Ibicella</i>	<i>lutea</i>	1064	90.96	0	Published 

Record: 1, Identified As: *Origanum vulgare*

Score: 1298, E-Value: 0, Identity: 1299/1300 (100%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTGCGAAAATCCGGGTTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTGCGAAAATCCGGGTTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGAT
Sbjct	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGAT
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTTGTGTTAGATATA
Sbjct	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTTGTGTTAGATATA
Query	CTAATACCCCGCTCTGTCCATGTGGAATCTTGATTCAAACCTTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	CTAATACCCCGCTCTGTCCATGTGGAATCTTGATTCAAACCTTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Query	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	AACCTTGTCACTTTTTGGCAATGGCATTTTTCTGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Sbjct	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC
Sbjct	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC

Record: 2, Identified As: *Origanum vulgare*
Score: 1298, E-Value: 0, Identity: 1299/1300 (100%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Query	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Query	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	AACCTTGTCACTTTTTGGCAATGGCATTTTTCTGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Sbjct	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC
Sbjct	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC

Record: 3, Identified As: *Origanum vulgare*
Score: 1298, E-Value: 0, Identity: 1299/1300 (100%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Query	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Query	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	AACCTTGTCACTTTTTGGCAATGGCATTTTTCTGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Sbjct	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC
Sbjct	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC

Record: 4, Identified As: *Origanum vulgare*
Score: 1298, E-Value: 0, Identity: 1299/1300 (100%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Query	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Query	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	AACCTTGTCACTTTTTGGCAATGGCATTTTTCTGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Sbjct	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC
Sbjct	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC

Record: 5, Identified As: *Origanum vulgare*
Score: 1298, E-Value: 0, Identity: 1299/1300 (100%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Query	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Query	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	AACCTTGTCACTTTTTGGCAATGGCATTTTTCTGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Sbjct	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC
Sbjct	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC

Record: 6, Identified As: *Origanum vulgare*
Score: 1298, E-Value: 0, Identity: 1299/1300 (100%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTGTAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTGTAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Query	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Query	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	AACCTTGTCACTTTTTGGCAATGGCATTTTTCTGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Sbjct	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC
Sbjct	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC

Record: 7, Identified As: *Origanum vulgare* subsp. *virens*
Score: 1294, E-Value: 0, Identity: 1297/1300 (100%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	 Matched sequence is private and can't be displayed.
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGTTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	 Matched sequence is private and can't be displayed.
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	 Matched sequence is private and can't be displayed.
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	 Matched sequence is private and can't be displayed.
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	 Matched sequence is private and can't be displayed.
Query	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	 Matched sequence is private and can't be displayed.
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	 Matched sequence is private and can't be displayed.
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	 Matched sequence is private and can't be displayed.

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	 Matched sequence is private and can't be displayed.
Query	GAGGAACCTGCGATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	 Matched sequence is private and can't be displayed.
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	 Matched sequence is private and can't be displayed.
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	 Matched sequence is private and can't be displayed.
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTGTAACTATTGGGGCATCCCATTAGT
Sbjct	 Matched sequence is private and can't be displayed.
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	 Matched sequence is private and can't be displayed.
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTC
Sbjct	 Matched sequence is private and can't be displayed.

Record: 8, Identified As: *Thymus praecox britannicus*
Score: 1279, E-Value: 0, Identity: 1294/1306 (99%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTGTCTACAATTAATATCTTGTCTAGAAGCGAAAAAGA-----
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	-TAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Query	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTCTCGCCGTTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTTT
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Query	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCTATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	AACCTTGTCACTTTTTGGCAATGGCATTTTTCTGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Sbjct	AAGAAGCTCGATACTCTTGTTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTCGACTCT
Sbjct	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTCGACTCT

Record: 9, Identified As: *Thymus praecox arcticus*

Score: 1279, E-Value: 0, Identity: 1294/1306 (99%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	Matched sequence is private and can't be displayed.
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTGCGAAAATCCGGTTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	Matched sequence is private and can't be displayed.
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	Matched sequence is private and can't be displayed.
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	Matched sequence is private and can't be displayed.
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	Matched sequence is private and can't be displayed.
Query	CTAATACCCCGCTCTGTCCATGTGGAAATCTTGATTCAAACCTTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	Matched sequence is private and can't be displayed.
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	Matched sequence is private and can't be displayed.
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	Matched sequence is private and can't be displayed.

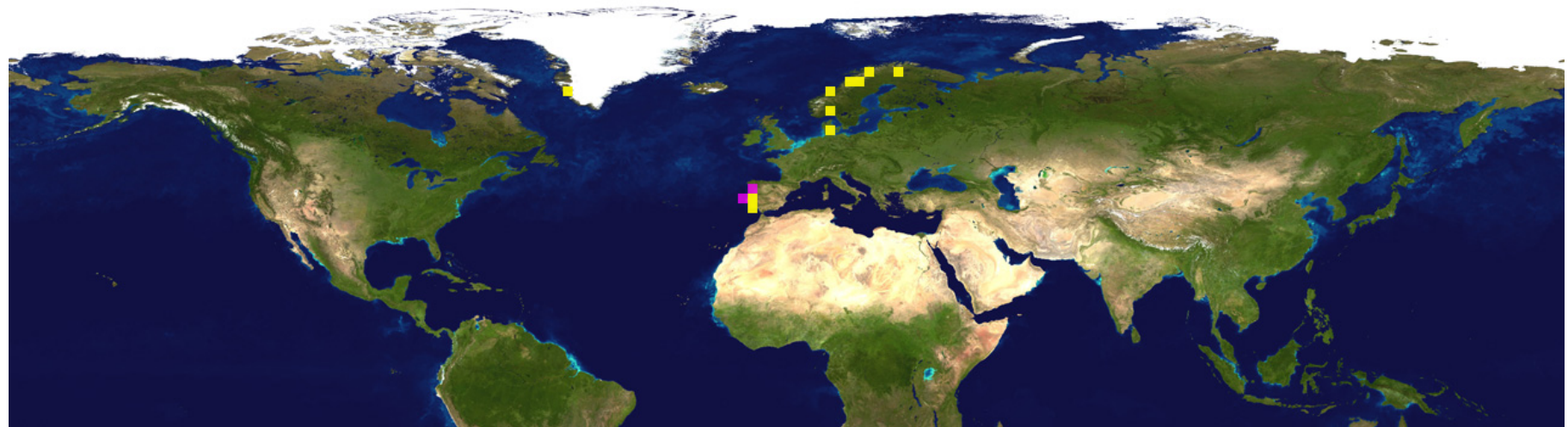
Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	 Matched sequence is private and can't be displayed.
Query	GAGGAACCCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	 Matched sequence is private and can't be displayed.
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	 Matched sequence is private and can't be displayed.
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	 Matched sequence is private and can't be displayed.
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTGTAACTATTGGGGCATCCCATTAGT
Sbjct	 Matched sequence is private and can't be displayed.
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	 Matched sequence is private and can't be displayed.
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTCGACTCT
Sbjct	 Matched sequence is private and can't be displayed.

Record: 10, Identified As: *Thymus mastichina*
Score: 1279, E-Value: 0, Identity: 1294/1306 (99%), Gaps:

Query	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Sbjct	ATGGAGAAAATCCAAAGATATTTACAGCTAAAGAGATCTCAACAACACGACTTGCTATATCCACTTATATTTTCAGGAGTATATTTATGTG
Query	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Sbjct	TTTGCTCATAATCGTGCTTTGAATAGATCTATTTTGTCGGAAAATCCGGGTATGACAATAAATCCAGTTTACGGATTGTGAAACGATTA
Query	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Sbjct	ATTACTCGAATGTATCAACAGAATCCTTTTATTTTTCTTCTAATGATTCTAACAAAAATCCATTTTGGCGCGCAACAAGAACTTGTAT
Query	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTATCTACAATTAATATCTTGTCTAGAAGCGAAAAAGAACAAG
Sbjct	TCTCAAATTATATCAGAGGGGTTTGCTTTTATTGTAGAAATTCCATTTTGTCTACAATTAATATCTTGTCTAGAAGCGAAAAAGA-----
Query	ATAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Sbjct	-TAGTAAAATCTCAGAATTTACGATCAATTCATTCAATATTTCCCTTTTATAGAGGACAATTTTTCACATTTAAATTTGTGTTAGATATA
Query	CTAATACCCCGCTCTGTCCATGTGGAATCTTGATTCAAACCTCTCGCCATTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Sbjct	CTAATACCCCGCTCTGTCCATGTGGAATCTTGATTCAAACCTCTCGCCGTTGGGTAAAAGATGTTTCTTCTTTACATTTATTACGGGTC
Query	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTAT
Sbjct	TTTCTCAACGAATATTGGAATTGGAATAGTCTTCTTACTCCAAAGAAAGTCAGCTTCTCTTTGTCAAAAAGAAATCAAAGGTTATTTTTT
Query	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA
Sbjct	TTCTTATATAATTCTCACGTATGTGAATACGAATCTATTTTCGTCTTTCTACGTAACCAATCTTTTCATTTACGATCAACATCTTCTGGA

Query	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Sbjct	GTTCTTCTTGAACGAATCTATTTCTATATAAAAAATAGAACGTCTTATGAACGTCTTTGTTAAGGATTTTCGCGCGAACCTATGGTTGGTC
Query	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCCATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Sbjct	GAGGAACCCTGCATGCATTATATTAGGTATCAAAAAAATCTATTCTGGCTTCCAAAGGGACATCCCTTTTCATGAATAAATGGAAATTA
Query	AACCTTGTCACTTTTTGGCAATGGCATTTTTATGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Sbjct	AACCTTGTCACTTTTTGGCAATGGCATTTTTCTGTGTGGTTTCATCCAAGAAGGATTTGGATAAACCAATTTCCCAAGCATTCCCTTGAA
Query	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Sbjct	ATTTTGGGTTATCTTTCAAACGTCCAAATGAACTCTTCCGTGGTACGGAGTCAAATTCTAGAAAATTCATTTCTAATCAATAATGCTATT
Query	AAGAAGCTCGATACTCTTATTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Sbjct	AAGAAGCTCGATACTCTTGTTCCAATTATTCCTCTGATTGCAGAATTGGCTAAAGCTAAATTTTGTAACGTATTGGGGCATCCCATTAGT
Query	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Sbjct	AAGCCGATTCGGGCTGAGTTATCAGATTCTAATATTATTGACCGATTTTCGCGTATATGCAGAAATATTTCTCATCATCATAGCGGATCT
Query	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTCGACTCT
Sbjct	TGCAAAAAAAGGAGTTTGTATCGAATAAAGTATATACTTCGACTCT

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