

JRC GMO-Amplicons BLAST (JUNCTIONS)

Query= ctp2-CP4epsps 2
Query= p35S-nptII 21
Query= P35S-bar 54
Query= P35S-pat1 84
Query= P35S-pat2 114

Query= ctp2-CP4epsps

Length=2172

Sequences producing significant alignments:

	Score (Bits)	E Value
lcl Amplicon_4	non-redundant amplicon of 24874 matches	<u>325</u> 2e-90
lcl Amplicon_223	non-redundant amplicon of 24 matches	<u>322</u> 2e-89
lcl Amplicon_749	non-redundant amplicon of 4 matches	<u>320</u> 7e-89
lcl Amplicon_653	non-redundant amplicon of 2 matches	<u>320</u> 7e-89
lcl Amplicon_626	non-redundant amplicon of 2 matches	<u>320</u> 7e-89
lcl Amplicon_391	non-redundant amplicon of 10 matches	<u>320</u> 7e-89
lcl Amplicon_264	non-redundant amplicon of 80 matches	<u>320</u> 7e-89
lcl Amplicon_613	non-redundant amplicon of 4 matches	<u>320</u> 7e-89
lcl Amplicon_518	non-redundant amplicon of 2 matches	<u>320</u> 7e-89
lcl Amplicon_508	non-redundant amplicon of 4 matches	<u>320</u> 7e-89
lcl Amplicon_507	non-redundant amplicon of 4 matches	<u>320</u> 7e-89
lcl Amplicon_416	non-redundant amplicon of 6 matches	<u>320</u> 7e-89
lcl Amplicon_409	non-redundant amplicon of 16 matches	<u>320</u> 7e-89
lcl Amplicon_396	non-redundant amplicon of 12 matches	<u>320</u> 7e-89
lcl Amplicon_227	non-redundant amplicon of 16 matches	<u>320</u> 7e-89
lcl Amplicon_403	non-redundant amplicon of 96 matches	<u>320</u> 7e-89
lcl Amplicon_52	non-redundant amplicon of 218 matches	<u>320</u> 7e-89
lcl Amplicon_419	non-redundant amplicon of 14 matches	<u>320</u> 7e-89
lcl Amplicon_27	non-redundant amplicon of 324 matches	<u>320</u> 7e-89
lcl Amplicon_525	non-redundant amplicon of 8 matches	<u>318</u> 2e-88
lcl Amplicon_646	non-redundant amplicon of 4 matches	<u>316</u> 8e-88
lcl Amplicon_607	non-redundant amplicon of 10 matches	<u>316</u> 8e-88
lcl Amplicon_499	non-redundant amplicon of 38 matches	<u>316</u> 8e-88
lcl Amplicon_473	non-redundant amplicon of 2 matches	<u>316</u> 8e-88
lcl Amplicon_284	non-redundant amplicon of 12 matches	<u>316</u> 8e-88
lcl Amplicon_425	non-redundant amplicon of 24 matches	<u>316</u> 8e-88
lcl Amplicon_37	non-redundant amplicon of 98 matches	<u>316</u> 8e-88
lcl Amplicon_76	non-redundant amplicon of 14 matches	<u>316</u> 8e-88
lcl Amplicon_329	non-redundant amplicon of 18 matches	<u>315</u> 3e-87
lcl Amplicon_578	non-redundant amplicon of 2 matches	<u>311</u> 4e-86
lcl Amplicon_521	non-redundant amplicon of 4 matches	<u>311</u> 4e-86
lcl Amplicon_269	non-redundant amplicon of 34 matches	<u>309</u> 1e-85
lcl Amplicon_310	non-redundant amplicon of 26 matches	<u>298</u> 2e-82
lcl Amplicon_94	non-redundant amplicon of 12 matches	<u>275</u> 3e-75
lcl Amplicon_320	non-redundant amplicon of 22 matches	<u>248</u> 4e-67
lcl Amplicon_0	non-redundant amplicon of 12684 matches	<u>214</u> 7e-57
lcl Amplicon_648	non-redundant amplicon of 4 matches	<u>210</u> 9e-56
lcl Amplicon_224	non-redundant amplicon of 12 matches	<u>210</u> 9e-56
lcl Amplicon_614	non-redundant amplicon of 2 matches	<u>208</u> 3e-55
lcl Amplicon_519	non-redundant amplicon of 1 matches	<u>208</u> 3e-55
lcl Amplicon_272	non-redundant amplicon of 5 matches	<u>208</u> 3e-55
lcl Amplicon_417	non-redundant amplicon of 3 matches	<u>208</u> 3e-55
lcl Amplicon_228	non-redundant amplicon of 8 matches	<u>208</u> 3e-55
lcl Amplicon_397	non-redundant amplicon of 6 matches	<u>208</u> 3e-55
lcl Amplicon_426	non-redundant amplicon of 12 matches	<u>208</u> 3e-55
lcl Amplicon_404	non-redundant amplicon of 48 matches	<u>208</u> 3e-55
lcl Amplicon_53	non-redundant amplicon of 109 matches	<u>208</u> 3e-55
lcl Amplicon_526	non-redundant amplicon of 4 matches	<u>206</u> 1e-54
lcl Amplicon_389	non-redundant amplicon of 5 matches	<u>206</u> 1e-54
lcl Amplicon_77	non-redundant amplicon of 7 matches	<u>206</u> 1e-54
lcl Amplicon_654	non-redundant amplicon of 2 matches	<u>205</u> 4e-54
lcl Amplicon_608	non-redundant amplicon of 5 matches	<u>205</u> 4e-54
lcl Amplicon_285	non-redundant amplicon of 6 matches	<u>205</u> 4e-54
lcl Amplicon_38	non-redundant amplicon of 43 matches	<u>205</u> 4e-54
lcl Amplicon_311	non-redundant amplicon of 10 matches	<u>205</u> 4e-54
lcl Amplicon_56	non-redundant amplicon of 3 matches	<u>203</u> 1e-53
lcl Amplicon_285	non-redundant amplicon of 6 matches	<u>205</u> 4e-54
lcl Amplicon_38	non-redundant amplicon of 43 matches	<u>205</u> 4e-54
lcl Amplicon_311	non-redundant amplicon of 10 matches	<u>205</u> 4e-54
lcl Amplicon_56	non-redundant amplicon of 3 matches	<u>203</u> 1e-53
lcl Amplicon_522	non-redundant amplicon of 2 matches	<u>199</u> 2e-52
lcl Amplicon_270	non-redundant amplicon of 17 matches	<u>199</u> 2e-52

lcl Amplicon_61	non-redundant amplicon of 127 matches	196	2e-51
lcl Amplicon_388	non-redundant amplicon of 3 matches	194	7e-51
lcl Amplicon_336	non-redundant amplicon of 3 matches	190	8e-50
lcl Amplicon_493	non-redundant amplicon of 1 matches	188	3e-49
lcl Amplicon_582	non-redundant amplicon of 1 matches	183	1e-47
lcl Amplicon_392	non-redundant amplicon of 3 matches	163	1e-41
lcl Amplicon_28	non-redundant amplicon of 30 matches	163	1e-41
lcl Amplicon_366	non-redundant amplicon of 3 matches	161	4e-41
lcl Amplicon_65	non-redundant amplicon of 206 matches	159	1e-40
lcl Amplicon_303	non-redundant amplicon of 3 matches	154	6e-39
lcl Amplicon_247	non-redundant amplicon of 24 matches	154	6e-39
lcl Amplicon_1	non-redundant amplicon of 25856 matches	152	2e-38
lcl Amplicon_229	non-redundant amplicon of 16 matches	150	7e-38
lcl Amplicon_750	non-redundant amplicon of 4 matches	147	9e-37
lcl Amplicon_520	non-redundant amplicon of 2 matches	147	9e-37
lcl Amplicon_398	non-redundant amplicon of 12 matches	147	9e-37
lcl Amplicon_427	non-redundant amplicon of 24 matches	147	9e-37
lcl Amplicon_405	non-redundant amplicon of 96 matches	147	9e-37
lcl Amplicon_527	non-redundant amplicon of 8 matches	143	1e-35
lcl Amplicon_474	non-redundant amplicon of 2 matches	143	1e-35
lcl Amplicon_337	non-redundant amplicon of 10 matches	143	1e-35
lcl Amplicon_39	non-redundant amplicon of 98 matches	143	1e-35
lcl Amplicon_488	non-redundant amplicon of 2 matches	140	1e-34
lcl Amplicon_523	non-redundant amplicon of 4 matches	138	5e-34
lcl Amplicon_112	non-redundant amplicon of 116 matches	136	2e-33
lcl Amplicon_304	non-redundant amplicon of 3 matches	132	2e-32
lcl Amplicon_494	non-redundant amplicon of 2 matches	131	7e-32
lcl Amplicon_87	non-redundant amplicon of 13 matches	125	3e-30
lcl Amplicon_2	non-redundant amplicon of 12842 matches	125	3e-30
lcl Amplicon_95	non-redundant amplicon of 18 matches	122	4e-29
lcl Amplicon_225	non-redundant amplicon of 12 matches	122	4e-29
lcl Amplicon_655	non-redundant amplicon of 2 matches	120	1e-28
lcl Amplicon_609	non-redundant amplicon of 5 matches	120	1e-28
lcl Amplicon_475	non-redundant amplicon of 1 matches	120	1e-28
lcl Amplicon_418	non-redundant amplicon of 3 matches	120	1e-28
lcl Amplicon_230	non-redundant amplicon of 8 matches	120	1e-28
lcl Amplicon_406	non-redundant amplicon of 48 matches	120	1e-28
lcl Amplicon_399	non-redundant amplicon of 6 matches	120	1e-28
lcl Amplicon_54	non-redundant amplicon of 120 matches	120	1e-28
lcl Amplicon_420	non-redundant amplicon of 7 matches	120	1e-28
lcl Amplicon_528	non-redundant amplicon of 4 matches	118	4e-28
lcl Amplicon_390	non-redundant amplicon of 5 matches	116	2e-27
lcl Amplicon_29	non-redundant amplicon of 33 matches	114	5e-27
lcl Amplicon_367	non-redundant amplicon of 3 matches	113	2e-26
lcl Amplicon_271	non-redundant amplicon of 17 matches	113	2e-26
lcl Amplicon_199	non-redundant amplicon of 4 matches	78.8	4e-16

>[lcl|Amplicon_4 non-redundant amplicon of 24874 matches](#)

Length=180

Score = 325 bits (360), Expect = 2e-90

Identities = 180/180 (100%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query	1673	GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAACCA	1732
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Sbjct	1	GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAACCA	60
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Query	1733	TGTAATAATTAAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT	1792
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Sbjct	61	TGTAATAATTAAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT	120
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Query	1793	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	1852
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Sbjct	61	TGTAATAATTAAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT	120
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||||||||||||||||||||||||||||||||||||||||||||||||
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Query	1793	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	1852
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||||||||||||||||||||||||||||||||||||||||||||||||
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Sbjct	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	180
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>[lcl|Amplicon_223 non-redundant amplicon of 24 matches](#)

Length=180

Score = 322 bits (356), Expect = 2e-89

Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query	1673	GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAACCA	1732
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Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 749 non-redundant amplicon of 4 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%)
Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGGTGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 653 non-redundant amplicon of 2 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 626 non-redundant amplicon of 2 matches
Length=180
>lcl|Amplicon 626 non-redundant amplicon of 2 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 391 non-redundant amplicon of 10 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGACTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 264 non-redundant amplicon of 80 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%)
Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 CGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 613 non-redundant amplicon of 4 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60 Query
1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 518 non-redundant amplicon of 2 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%)
Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTACGATTAGAGT 120
Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 508 non-redundant amplicon of 4 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%)
Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTGAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180
>lcl|Amplicon 507 non-redundant amplicon of 4 matches
Length=180
Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%)
Strand=Plus/Plus
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||
Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180

>lcl|Amplicon_416 non-redundant amplicon of 6 matches

Length=180

Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query	Subject	Sequence	Length
1673	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	1732
1733	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	60
1733	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT	1792
1793	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT	120
1793	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	1852
121	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	180

>lcl|Amplicon_409 non-redundant amplicon of 16 matches

Length=180

Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%)
Strand=Plus/Plus

Query	Subject	Sequence	Length
1673	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	1732
1733	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	60
1733	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT	1792
1793	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT	120
1793	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	1852
121	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	180

>lcl|Amplicon_396 non-redundant amplicon of 12 matches

Length=180

Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%)
Strand=Plus/Plus

Query	Subject	Sequence	Length
1673	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	1732
1733	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	60
1733	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGACT	1792
1793	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGACT	120
1793	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	1852
121	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	180

>lcl|Amplicon_227 non-redundant amplicon of 16 matches

Length=180

Score = 320 bits (354), Expect = 7e-89
>lcl|Amplicon_227 non-redundant amplicon of 16 matches

Query	Subject	Sequence	Length
1673	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	1732
1733	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	60
1733	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT	1792
1793	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT	120
1793	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAGAATATAGCGCGCAAACCTAGGATAA	1852
121	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAGAATATAGCGCGCAAACCTAGGATAA	180

>lcl|Amplicon_403 non-redundant amplicon of 96 matches

Length=180

Score = 320 bits (354), Expect = 7e-89
Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query	Subject	Sequence	Length
1673	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	1732
1733	1	GAATCCTGTCGGTCTGCGATGATTATCATATAATTCTGTTGAATTACGTTAAGCA	60
1733	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT	1792
1793	61	TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT	120
1793	121	CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA	1852

Sbjct 121 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGATAA 180

>lcl|Amplicon 52 non-redundant amplicon of 218 matches

Length=180

Score = 320 bits (354), Expect = 7e-89

Identities = 179/180 (99%), Gaps = 0/180 (0%)

Strand=Plus/Plus

Query 1673 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAG 1792

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAG 120

Query 1793 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGATAA 1852

||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 121 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGATAA 180

>lcl|Amplicon 419 non-redundant amplicon of 14 matches

Length=180

Score = 320 bits (354), Expect = 7e-89

Identities = 177/177 (100%), Gaps = 0/177 (0%) Strand=Plus/Plus

Query 1673 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732

||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1673 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732

||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAG 1792

||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAG 120

Query 1793 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGA 1849

||||||||||||||||||||||||||||||||||||||

Sbjct 121 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGA 177

>lcl|Amplicon 27 non-redundant amplicon of 324 matches

Length=180

Score = 320 bits (354), Expect = 7e-89

Identities = 179/180 (99%), Gaps = 0/180 (0%)

Strand=Plus/Plus

Query 1673 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732

||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAG 1792

||||||||||||||||||||||||||||||||||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAG 120

Query 1793 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGATAA 1852

||||||||||||||||||||||||||||||||||

Sbjct 121 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGATAA 180

>lcl|Amplicon 525 non-redundant amplicon of 8 matches

Length=181

Score = 318 bits (352), Expect = 2e-88

Identities = 180/181 (99%), Gaps = 1/181 (1%)

Strand=Plus/Plus

Query 1673 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732

||||||||||||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAG 1792

||||||||||||||||||||||||||||||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAG 120

Query 1793 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGATA 1851

||||||||||||||||||||||||||||||

Sbjct 121 CCCGCAATTATACATTAAATACCGCATAGAACAAAATATAGCGCGCAAACCTAGGATA 180

Query 1852 A 1852

|

Sbjct 181 A 181

>lcl|Amplicon 646 non-redundant amplicon of 4 matches

Length=179

Score = 316 bits (350), Expect = 8e-88

Identities = 179/180 (99%), Gaps = 1/180 (1%) Strand=Plus/Plus

Query 1673 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732

||||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 1792
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 1792
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGG-TTTATGATTAGAGT 119

Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 1852
|||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 120 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 179
|||||||||||||||||||||||||||||||||||||||||||||||||

>lcl|Amplicon 607 non-redundant amplicon of 10 matches

Length=180

Score = 316 bits (350), Expect = 8e-88

Identities = 178/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732
|||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 1792
|||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 120

Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 1852
|||||||||||||||||||||||||||||||||||||||||

Sbjct 121 CCCGCAATTATAACATTAAATACACGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 180
|||||||||||||||||||||||||||||||||||||

>lcl|Amplicon 499 non-redundant amplicon of 38 matches

Length=179

Score = 316 bits (350), Expect = 8e-88

Identities = 179/180 (99%), Gaps = 1/180 (1%) Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732
|||||||||||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGA-TCGTTAAC 59

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 1792
|||||||||||||||||||||||||||||||||

Sbjct 60 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 119

Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 1852
|||||||||||||||||||||||||||||||||

Sbjct 120 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 179
|||||||||||||||||||||||||||||

>lcl|Amplicon 473 non-redundant amplicon of 2 matches

Length=180

Score = 316 bits (350), Expect = 8e-88

Identities = 178/180 (99%), Gaps = 0/180 (0%)

Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732
|||||||||||||||||||||||||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 1792
|||||||||||||||||||||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 120

Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 1852
|||||||||||||||||||||||||

Sbjct 121 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 180
|||||||||||||||||||||||||

Sbjct 121 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 180
|||||||||||||||||||||

>lcl|Amplicon 284 non-redundant amplicon of 12 matches

Length=180

Score = 316 bits (350), Expect = 8e-88

Identities = 178/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732
|||||||||||||||||||||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 60

Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 1792
|||||||||||||||||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTGAGATGGGTTTATGATTAGAGT 120

Query 1793 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 1852
|||||||||||||||||||||

Sbjct 121 CCCGCAATTATAACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTGGGATAA 180
|||||||||||||||||||||

>lcl|Amplicon 425 non-redundant amplicon of 24 matches

Length=180

Score = 316 bits (350), Expect = 8e-88

Identities = 178/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAC 1732
|||||||||||||||||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
 Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
 |||||||
 Sbjct 61 TGAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
 Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
 |||||||
 Sbjct 121 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 180

>lcl|Amplicon 37 non-redundant amplicon of 98 matches

Length=179

Score = 316 bits (350), Expect = 8e-88

Identities = 179/180 (99%), Gaps = 1/180 (1%)

Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
 |||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
 Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
 |||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTT-TGATTAGAGT 119
 Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
 |||||||

Sbjct 120 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 179

>lcl|Amplicon 76 non-redundant amplicon of 14 matches

Length=179

Score = 316 bits (350), Expect = 8e-88

Identities = 179/180 (99%), Gaps = 1/180 (1%)

Strand=Plus/Plus

Score = 316 bits (350), Expect = 8e-88

Identities = 179/180 (99%), Gaps = 1/180 (1%) Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
 |||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
 Query 1733 TGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
 |||||||

Sbjct 61 TGTAATAATTAAACATGTAATGCATGACGTTA-TTATGAGATGGGTTTTATGATTAGAGT 119
 Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
 |||||||

Sbjct 120 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 179

>lcl|Amplicon 329 non-redundant amplicon of 18 matches

Length=179

Score = 315 bits (348), Expect = 3e-87

Identities = 177/179 (99%), Gaps = 0/179 (0%) Strand=Plus/Plus

Query 1674 AATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCAT 1733
 |||||||

Sbjct 1 AATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCAT 60
 Query 1734 GTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTC 1793
 |||||||

Sbjct 61 GTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTC 120
 Query 1794 CCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 1852
 |||||||

Sbjct 121 CCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATAA 179

>lcl|Amplicon 578 non-redundant amplicon of 2 matches

Length=180

Score = 311 bits (344), Expect = 4e-86

Identities = 179/181 (99%), Gaps = 2/181 (1%)

Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATA-ATTCTGTTGAATTACGTTAAGC 1731
 |||||||

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTG-ATTACGTTAAGC 59
 Query 1732 ATGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAG 1791
 |||||||

Sbjct 60 ATGTAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAG 119
 Query 1792 TCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATA 1851
 |||||||

Sbjct 120 TCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACTAGGATA 179

Query 1852 A 1852
 |

Sbjct 180 A 180

>lcl|Amplicon 521 non-redundant amplicon of 4 matches

Length=180

Score = 311 bits (344), Expect = 4e-86
Identities = 177/180 (98%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTACACT 120
Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 1852
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATTAGCGCGCAAACCTAGGATAA 180

>lcl|Amplicon 269 non-redundant amplicon of 34 matches

Length=179

Score = 309 bits (342), Expect = 1e-85
Identities = 176/179 (98%), Gaps = 0/179 (0%)
Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATA 1851
||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATTAGCGCGCAAACCTAGGATA 179

>lcl|Amplicon 310 non-redundant amplicon of 26 matches

Length=180

Score = 298 bits (330), Expect = 2e-82
Identities = 174/180 (97%), Gaps = 0/180 (0%)
Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
|||||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGAAATTGCA 60
Query 1733 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 1792
|||||||||||||||||||||||||||||||||||||||
Sbjct 61 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGT 120
Query 1793 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCGCAAACCTAGGATAA 1852
|||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCCGCAATTATACATTAAATACGCGATAGAAAACAAAATTAGCGCGCAAACCTACCATAA 180

>lcl|Amplicon 94 non-redundant amplicon of 12 matches

Length=186

Score = 275 bits (304), Expect = 3e-75
Identities = 178/186 (96%), Gaps = 7/186 (4%)
Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60
Query 1733 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGT-AG 1789
||||||||| |||||||||||||||||||||||||||||
Sbjct 61 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAAG 120
Query 1790 AGT-CCCGCAATTATACA-TTTAACATGCGATAG-AAAACAAAATAGCGCGCAAACCT- 1845
Sbjct 61 TGTAAATAATTAAACATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAAG 120
Query 1790 AGT-CCCGCAATTATACA-TTTAACATGCGATAG-AAAACAAAATAGCGCGCAAACCT- 1845
||| ||||||||||| ||||||||||| ||||||||||||| |||||||||
Sbjct 121 AGTCCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATAGCGCCCAAACTA 180
Query 1846 AGGATA 1851
|||||||
Sbjct 181 AGGATA 186

>lcl|Amplicon 320 non-redundant amplicon of 22 matches

Length=220

Score = 248 bits (274), Expect = 4e-67
Identities = 180/220 (82%), Gaps = 40/220 (18%) Strand=Plus/Plus

Query 1673 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 1732
||||||||||||||||||||||||||||||||||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTCTGTTGAATTACGTTAAGCA 60

Query 1733 TGTAATAATTAAACATGTAATGCA----- 1755
||| ||| ||| |||
Sbjct 61 TGTAATAATTAAACATGTAATGCACAGATAGGCCAACGGCTTGTCCAAGATCTATTCAAGGT 120
Query 1756 ---TGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 1812
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Sbjct 121 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 180
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAA 1852
||| ||| ||| ||| ||| ||| ||| |||
Sbjct 181 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAA 220
>lcl|Amplicon_0 non-redundant amplicon of 12684 matches
Length=118
Score = 214 bits (236), Expect = 7e-57
Identities = 118/118 (100%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Query 1753 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 1812
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Sbjct 1 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon_648 non-redundant amplicon of 4 matches
Length=118
Score = 210 bits (232), Expect = 9e-56
Identities = 116/116 (100%), Gaps = 0/116 (0%)
Strand=Plus/Plus
Query 1753 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 1812
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Sbjct 1 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1868
||| ||| ||| ||| ||| ||| ||| |||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 116
>lcl|Amplicon_224 non-redundant amplicon of 12 matches
Length=118
>lcl|Amplicon_224 non-redundant amplicon of 12 matches
Length=118
Score = 210 bits (232), Expect = 9e-56
Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 1812
||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Sbjct 1 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||| ||| ||| ||| ||| ||| ||| |||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon_614 non-redundant amplicon of 2 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 1812
||| ||| ||| ||| ||| ||| ||| ||| |||
Sbjct 1 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||| ||| ||| ||| ||| ||| ||| |||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon_519 non-redundant amplicon of 1 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 1812
||| ||| ||| ||| ||| ||| ||| ||| |||
Sbjct 1 GCATGACGTTATTATGAGATGGGTTTTACGATTAGAGTCCCGCAATTATACATTAAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||| ||| ||| ||| ||| ||| ||| |||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon_272 non-redundant amplicon of 5 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 115/115 (100%), Gaps = 0/115 (0%)
Strand=Plus/Plus
Query 1753 GCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTAAAT 1812

||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGT 1867
||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGT 115
>lcl|Amplicon 417 non-redundant amplicon of 3 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTGGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 228 non-redundant amplicon of 8 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAGAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 397 non-redundant amplicon of 6 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGACTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 426 non-redundant amplicon of 12 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGACTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 404 non-redundant amplicon of 48 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||
Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 53 non-redundant amplicon of 109 matches
Length=118
Score = 208 bits (230), Expect = 3e-55
Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812

||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 526 non-redundant amplicon of 4 matches
Length=119
Score = 206 bits (228), Expect = 1e-54
Identities = 118/119 (99%), Gaps = 1/119 (1%)
Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 A-CGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 1870
| ||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACCCGCATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 119
>lcl|Amplicon 389 non-redundant amplicon of 5 matches
Length=119
Score = 206 bits (228), Expect = 1e-54
Identities = 118/119 (99%), Gaps = 1/119 (1%)
Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAG-CGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 119
>lcl|Amplicon 77 non-redundant amplicon of 7 matches Length=118
Score = 206 bits (228), Expect = 1e-54
Identities = 118/119 (99%), Gaps = 1/119 (1%)
Strand=Plus/Plus
Query 1752 TGCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAA 1811
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 TGCATGACGTATT-ATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAA 59
||||||||||||||||||||||||||||||||||||
Sbjct 1 TGCATGACGTATT-ATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAA 59
Query 1812 TACCGCATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||
Sbjct 60 TACCGCATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 654 non-redundant amplicon of 2 matches
Length=118
Score = 205 bits (226), Expect = 4e-54
Identities = 116/118 (98%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAATATAGCTCGCAAACCTAGGATAAAATTATCGCTCGCGGTGTC 118
>lcl|Amplicon 608 non-redundant amplicon of 5 matches
Length=118
Score = 205 bits (226), Expect = 4e-54
Identities = 116/118 (98%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTGTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 1870
|| ||||||||||||||||||||||||||||||
Sbjct 61 ACACGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 285 non-redundant amplicon of 6 matches
Length=118
Score = 205 bits (226), Expect = 4e-54
Identities = 116/118 (98%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||
Sbjct 61 ACACGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 118

>lcl|Amplicon 285 non-redundant amplicon of 6 matches

Length=118

Score = 205 bits (226), Expect = 4e-54
Identities = 116/118 (98%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 1812
||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAAT 60
Query 1813 ACGCGATAGAAAACAAATATAGCGCGCAAACCTAGGATAAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||

Sbjct 61 ACGCGATAGAAAACAAAATGGCGCGCAAACGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 38 non-redundant amplicon of 43 matches
Length=117
Score = 205 bits (226), Expect = 4e-54
Identities = 117/118 (99%), Gaps = 1/118 (1%) Strand=Plus/Plus
Query 1753 GCATGACGTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 1812
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTTATGAGATGGGTTTT-TGATTAGAGTCCCGCAATTATACATTTAAT 59
Query 1813 ACGCGATAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 60 ACGCGATAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 117 Query
1813 ACGCGATAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 60 ACGCGATAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 117
>lcl|Amplicon 311 non-redundant amplicon of 10 matches
Length=118
Score = 205 bits (226), Expect = 4e-54
Identities = 116/118 (98%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 1812
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 1813 ACGCGATAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAAATAGCGCGCAAACACTACCATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 56 non-redundant amplicon of 3 matches Length=118
Score = 203 bits (224), Expect = 1e-53
Identities = 112/112 (100%), Gaps = 0/112 (0%) Strand=Plus/Plus
Query 1759 CGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAACCGGA 1818
||||||||||||||||||||||||||||||||||||
Sbjct 7 CGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAACCGGA 66
Query 1819 TAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||
Sbjct 67 TAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 522 non-redundant amplicon of 2 matches
Length=118
Score = 199 bits (220), Expect = 2e-52
Identities = 115/118 (97%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Query 1753 GCATGACGTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 1812
||||||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTTATGAGATGGGTTTTATGATTACACTCCCCAATTATACATTTAAT 60
Query 1813 ACGCGATAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 270 non-redundant amplicon of 17 matches
Length=118
Score = 199 bits (220), Expect = 2e-52
Identities = 115/118 (97%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 1753 GCATGACGTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 1812
||||||||||||||||||||||||||||
Sbjct 1 GCATGACGTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 1813 ACGCGATAGAAAACAAAATAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 1870
||||||||||||||||||||||||
Sbjct 61 ACGCGATAGAAAACAAAATTAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 61 non-redundant amplicon of 127 matches
Sbjct 61 ACGCGATAGAAAACAAAATTAGCGCGCAAACACTAGGATAAATTATCGCGCGCGGTGTC 118
>lcl|Amplicon 61 non-redundant amplicon of 127 matches
Length=108
Score = 196 bits (216), Expect = 2e-51
Identities = 108/108 (100%), Gaps = 0/108 (0%) Strand=Plus/Plus
Query 227 GCATGCTTCACGGTGCAAGCAGCCGCCCGAACGCCCGCAAATCCTCTGGCCTTCCG 286
||||||||||||||||||||||||||||||||
Sbjct 1 GCATGCTTCACGGTGCAAGCAGCCGCCCGAACGCCCGCAAATCCTCTGGCCTTCCG 60
Query 287 GAACCGTCCGCATTCCGGCGACAAGTCGATCTCCCACCGGTCTTC 334
||||||||||||||||||||||||
Sbjct 61 GAACCGTCCGCATTCCGGCGACAAGTCGATCTCCCACCGGTCTTC 108
>lcl|Amplicon 388 non-redundant amplicon of 3 matches
Length=108
Score = 194 bits (214), Expect = 7e-51

Identities = 107/107 (100%), Gaps = 0/107 (0%) Strand=Plus/Plus

Query 228 CATGCTTCACGGTGCAAGCAGCCGGCCCGCAACCGCCGCAAATCCTCTGGCCTTCCGG 287
 |||||||
 Sbjct 2 CATGCTTCACGGTGCAAGCAGCCGGCCCGCAACCGCCGCAAATCCTCTGGCCTTCCGG 61

Query 288 AACCGTCCGCATTCCC GGCGACAAGTCGATCTCCACC GGTC CTTCA 334
 |||||||
 Sbjct 62 AACCGTCCGCATTCCC GGCGACAAGTCGATCTCCACC GGTC CTTCA 108

>lcl|Amplicon 336 non-redundant amplicon of 3 matches

Length=114

Score = 190 bits (210), Expect = 8e-50

Identities = 114/118 (97%), Gaps = 4/118 (3%)

Strand=Plus/Plus

Query 1753 GCATGACGT TATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA CATTAA T 1812
 |||||||
 Sbjct 1 GCATGACGT TATTATGAGATGGGTTTT-ATGATTAGAGTCCCGCAATTATA CATTAA T 59

Query 1813 ACGCGATAGAAAACAAAATATAGCGCGCAA ACTAGGATAAATTATCGCGCGCGGTGTC 1870
 |||||||
 Sbjct 60 ACGCGATAGAAAACAAAATATAGCGCG--ACTAGGATAAATTATCGCGCGCGGTGTC 114

>lcl|Amplicon 493 non-redundant amplicon of 1 matches

Length=116

Score = 188 bits (208), Expect = 3e-49

Identities = 113/118 (96%), Gaps = 2/118 (2%) Strand=Plus/Plus

Query 1753 GCATGACGT TATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA CATTAA T 1812
 |||||||
 Sbjct 1 GCATGACGT TATTATGAGATGGGTTTTA--GATTGGAGTCCCGCAATTATA CATTAA T 58

Query 1813 ACGCGATAGAAAACAAAATATAGCGCGCAA ACTAGGATAAATTATCGCGCGCGGTGTC 1870
 |||||||
 Sbjct 59 ACGCGATAGAAAACAAAATATCGCGCGCAA ACTAGGATAAATTATCGCGCGCGGTGTC 116

>lcl|Amplicon 582 non-redundant amplicon of 1 matches

Length=111

Score = 183 bits (202), Expect = 1e-47

>lcl|Amplicon 582 non-redundant amplicon of 1 matches

Length=111

Score = 183 bits (202), Expect = 1e-47

Identities = 111/118 (94%), Gaps = 7/118 (6%) Strand=Plus/Plus

Query 1753 GCATGACGT TATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA CATTAA T 1812
 |||||||
 Sbjct 1 GCATGACGT TATTATGAGATGGGTTTTA--GATTGGAGTCCCGCAATTATA CATTAA T 60

Query 1813 ACGCGATAGAAAACAAAATATAGCGCGCAA ACTAGGATAAATTATCGCGCGCGGTGTC 1870
 |||||||
 Sbjct 61 ACGCGATAGAAAACAAAATAT-----AACTAGGATAAATTATCGCGCGCGGTGTC 111

>lcl|Amplicon 392 non-redundant amplicon of 3 matches

Length=121

Score = 163 bits (180), Expect = 1e-41

Identities = 93/95 (98%), Gaps = 0/95 (0%)

Strand=Plus/Plus

Query 220 ACGGCGTGATGCTTCACGGTGCAAGCAGCCGGCCCGCAACCGCCGCAAATCCTCTGGC 279
 |||||
 Sbjct 27 ACAGCCTGCATGCTTCACGGTGCAAGCAGCCGGCCCGCAACCGCCGCAAATCCTCTGGC 86

Query 280 CTTCCGGAACCGTCCGCATTCCC GGCGACAAGTC 314
 |||||||
 Sbjct 87 CTTCCGGAACCGTCCGCATTCCC GGCGACAAGTC 121

>lcl|Amplicon 28 non-redundant amplicon of 30 matches

Length=121

Score = 163 bits (180), Expect = 1e-41

Identities = 93/95 (98%), Gaps = 0/95 (0%)

Strand=Plus/Plus

Query 220 ACGGCGTGATGCTTCACGGTGCAAGCAGCCGGCCCGCAACCGCCGCAAATCCTCTGGC 279
 |||||
 Sbjct 27 ACAGCCTGCATGCTTCACGGTGCAAGCAGCCGGCCCGCAACCGCCGCAAATCCTCTGGC 86

Query 280 CTTCCGGAACCGTCCGCATTCCC GGCGACAAGTC 314
 |||||||
 Sbjct 87 CTTCCGGAACCGTCCGCATTCCC GGCGACAAGTC 121

>lcl|Amplicon 366 non-redundant amplicon of 3 matches

Length=142

Score = 161 bits (178), Expect = 4e-41

Identities = 89/89 (100%), Gaps = 0/89 (0%)

Strand=Plus/Plus

Query 226 TGCATGCTTCACGGTGCAAGCAGCCGGCCCGCAACCGCCGCAAATCCTCTGGCCTTCC 285

Sbjct 54 TGCATGCTTCACGGTCAAGCAGCCGCCGCAACCGCCCCCAAATCCTCTGGCCTTC 113
Query 286 GGAACCGTCCGCATTCCCGCGACAAGTC 314
|||||||||||||||||||||||||

Sbjct 114 GGAACCGTCCGCATTCCCGCGACAAGTC 142

>lcl|Amplicon 65 non-redundant amplicon of 206 matches

Length=88

Score = 159 bits (176), Expect = 1e-40

Identities = 88/88 (100%), Gaps = 0/88 (0%)

Strand=Plus/Plus

Score = 159 bits (176), Expect = 1e-40

Identities = 88/88 (100%), Gaps = 0/88 (0%) Strand=Plus/Plus

Query 163 GGGATGACGTTAATTGGCTCTGAGCTTCGTCCTCTTAAGGTATGTCTCTGTTCCACG 222
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GGGATGACGTTAATTGGCTCTGAGCTTCGTCCTCTTAAGGTATGTCTCTGTTCCACG 60

Query 223 GCGTGCATGCTTCACGGTGCAAGCAGCC 250
|||||||||||||||||||||

Sbjct 61 GCGTGCATGCTTCACGGTGCAAGCAGCC 88

>lcl|Amplicon 303 non-redundant amplicon of 3 matches

Length=88

Score = 154 bits (170), Expect = 6e-39

Identities = 87/88 (99%), Gaps = 0/88 (0%)

Strand=Plus/Plus

Query 163 GGGATGACGTTAATTGGCTCTGAGCTTCGTCCTCTTAAGGTATGTCTCTGTTCCACG 222
|||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GGGATGACGTTAATTGGCTCTGAGCTTCGTCCTCTTAAGGTATGTCTCTGTTCCACG 60

Query 223 GCGTGCATGCTTCACGGTGCAAGCAGCC 250
||||||| |||||||||||||||

Sbjct 61 GCGTGTATGCTTCACGGTGCAAGCAGCC 88

>lcl|Amplicon 247 non-redundant amplicon of 24 matches

Length=88

Score = 154 bits (170), Expect = 6e-39

Identities = 87/88 (99%), Gaps = 0/88 (0%)

Strand=Plus/Plus

Query 163 GGGATGACGTTAATTGGCTCTGAGCTTCGTCCTCTTAAGGTATGTCTCTGTTCCACG 222
|||||||||||||||||||||||||||||||||||||

Sbjct 1 GGGATGACGTTAATTGGCTCTGAGCTTCGTCCTCTTAAGGTATGTCTCTGTTCCACG 60

Query 223 GCGTGCATGCTTCACGGTGCAAGCAGCC 250
||||||| |||||||||||||||

Sbjct 61 GCGTGCATGCTACACGGTGCAAGCAGCC 88

>lcl|Amplicon 1 non-redundant amplicon of 25856 matches

Length=84

Score = 152 bits (168), Expect = 2e-38

Identities = 84/84 (100%), Gaps = 0/84 (0%) Strand=Plus/Plus

Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||||||||||||||||||

Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 60

Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||

Sbjct 61 CATTAAATACGCGATAGAAAACAA 84

>lcl|Amplicon 229 non-redundant amplicon of 16 matches

Length=84

Score = 150 bits (166), Expect = 7e-38

Identities = 83/83 (100%), Gaps = 0/83 (0%)

Strand=Plus/Plus

Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||||||||||||||

Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||||||||||||||

Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 60

Query 1805 CATTAAATACGCGATAGAAAACAA 1827
|||||||||||||||||

Sbjct 61 CATTAAATACGCGATAGAAAACAA 83

>lcl|Amplicon 750 non-redundant amplicon of 4 matches Length=84

Score = 147 bits (162), Expect = 9e-37

Identities = 83/84 (99%), Gaps = 0/84 (0%)

Strand=Plus/Plus

Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||||||||||||||

Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 60
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||||||
Sbjct 61 CATTAAATACGCGATAGAAAACAA 84
>lcl|Amplicon 520 non-redundant amplicon of 2 matches
Length=84
Score = 147 bits (162), Expect = 9e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTACGATTAGAGTCCCGCAATTATA 60
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 61 CATTAAATACGCGATAGAAAACAA 84
>lcl|Amplicon 398 non-redundant amplicon of 12 matches
Length=84
Score = 147 bits (162), Expect = 9e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGACTCCCGCAATTATA 60
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 61 CATTAAATACGCGATAGAAAACAA 84
>lcl|Amplicon 427 non-redundant amplicon of 24 matches
Length=84
Score = 147 bits (162), Expect = 9e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 60
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 60
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 61 CATTAAATACGCGATAGAAAACAA 84
>lcl|Amplicon 405 non-redundant amplicon of 96 matches
Length=84
Score = 147 bits (162), Expect = 9e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 60
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 61 CATTAAATACGCGATAGAAGACAA 84
>lcl|Amplicon 527 non-redundant amplicon of 8 matches Length=84
Score = 143 bits (158), Expect = 1e-35
Identities = 83/84 (99%), Gaps = 1/84 (1%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 60
Query 1805 CATTAAATA-CGCGATAGAAAACA 1827
|||||||||
Sbjct 61 CATTAAATACCGCGATAGAAAACA 84
>lcl|Amplicon 474 non-redundant amplicon of 2 matches
Length=84
Score = 143 bits (158), Expect = 1e-35
Identities = 82/84 (98%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTTATGATTAGAGTCCCGCAATAATA 60

Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||||||
Sbjct 61 CATTAAATACGCGATAGAAAACAA 84
>lcl|Amplicon 337 non-redundant amplicon of 10 matches
Length=83
Score = 143 bits (158), Expect = 1e-35
Identities = 83/84 (99%), Gaps = 1/84 (1%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGTTTT-ATGATTAGAGTCCCGCAATTATA 59
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 60 CATTAAATACGCGATAGAAAACAA 83
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 60 CATTAAATACGCGATAGAAAACAA 83
>lcl|Amplicon 39 non-redundant amplicon of 98 matches Length=83
Score = 143 bits (158), Expect = 1e-35
Identities = 83/84 (99%), Gaps = 1/84 (1%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGTTTT-TGATTAGAGTCCCGCAATTATA 59
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 60 CATTAAATACGCGATAGAAAACAA 83
>lcl|Amplicon 488 non-redundant amplicon of 2 matches Length=84
Score = 140 bits (154), Expect = 1e-34
Identities = 77/77 (100%), Gaps = 0/77 (0%) Strand=Plus/Plus
Query 1752 TGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAA 1811
|||||||||||||||||||||
Sbjct 8 TGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACTTTAA 67
Query 1812 TACGCGATAGAAAACAA 1828
|||||||||||||
Sbjct 68 TACGCGATAGAAAACAA 84
>lcl|Amplicon 523 non-redundant amplicon of 4 matches
Length=84
Score = 138 bits (152), Expect = 5e-34
Identities = 81/84 (96%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 1745 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATA 1804
|||||||||||||||||||||
Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTACACTCCCCAATTATA 60
Query 1805 CATTAAATACGCGATAGAAAACAA 1828
|||||||||||||||||
Sbjct 61 CATTAAATACGCGATAGAAAACAA 84
>lcl|Amplicon 112 non-redundant amplicon of 116 matches
Length=108
Score = 136 bits (150), Expect = 2e-33
Identities = 95/108 (88%), Gaps = 0/108 (0%) Strand=Plus/Plus
Query 227 GCATGCTTCACGGTGCAAGCAGCCGGCCGCAACGCCCGCAAATCCTCTGGCCTTCCG 286
|||||||||||||||||||
Sbjct 1 GCATGCTTCACGGTGCAAGCAGCCGTCCAGCAACTGCTCGTAAGTCCTCTGGTCTTCTG 60
Query 287 GAACCGTCCGCATTCCGGCGACAAGTCGATCTCCCACCGGTCTTCA 334
|||||||||
Sbjct 61 GAACCGTCCGTATTCCAGGTGACAAGTCTATCTCCCACAGGTCTTCA 108
>lcl|Amplicon 304 non-redundant amplicon of 3 matches
Length=108
>lcl|Amplicon 304 non-redundant amplicon of 3 matches
Length=108
Score = 132 bits (146), Expect = 2e-32
Identities = 93/106 (88%), Gaps = 0/106 (0%) Strand=Plus/Plus
Query 229 ATGCTTCACGGTGCAAGCAGCCGGCCGCAACGCCCGCAAATCCTCTGGCCTTCCGGA 288
|||||||||||||||||||
Sbjct 3 ATGCTTCACGGTGCAAGCAGCCGTCCAGCAACTGCTCGTAAGTCCTCTGGTCTTCTGGA 62
Query 289 ACCGTCCGCATTCCGGCGACAAGTCGATCTCCCACCGGTCTTCA 334
|||||||||
Sbjct 63 ACCGTCCGTATTCCAGGTGACAAGTCTATCTCCCACAGGTCTTCA 108

>lcl|Amplicon_494 non-redundant amplicon of 2 matches

Length=82

Score = 131 bits (144), Expect = 7e-32
Identities = 80/84 (95%), Gaps = 2/84 (2%)
Strand=Plus/Plus

Query 1745	CATGTAATGCATGACGTTATTATGAGATGGGTTTATGATTAGAGTCGGCAATTATA	1804
Sbjct 1	CATGTAATGCATGACGTTATTATGAGATGGGTTA--GATTGGAGTCGGCAATTATA	58
Query 1805	CATTAAATACCGCGATAGAAAACAA 1828	
Sbjct 59	CATTAAATACCGCGATAGAAAACAA 82	

>lcl|Amplicon_87 non-redundant amplicon of 13 matches

Length=108

Score = 125 bits (138), Expect = 3e-30
Identities = 92/107 (86%), Gaps = 0/107 (0%)
Strand=Plus/Plus

Query 228	CATGCTTCACGGTGCAAGCAGCCGGCCCGCAACCGCCCCGAAATCCTCTGGCCTTCCGG	287
Sbjct 2	CATGGCTCACGGTGCAAGCAGCCGTCCAGCAACTGCTCGTAAGTCCTCTGGTCTTCTGG	61
Query 288	AACCGTCCGATTCCCAGGCGACAAGTCGATCTCCACCGGTCCTCA 334	
Sbjct 62	AACCGTCCGTATTCCAGGTGACAAGTCTATCTCCACAGGTCTTCA 108	

>lcl|Amplicon_2 non-redundant amplicon of 12842 matches

Length=69

Score = 125 bits (138), Expect = 3e-30
Identities = 69/69 (100%), Gaps = 0/69 (0%) Strand=Plus/Plus
Query 1784 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAATAGCGCGCAA 1843

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Sbjct 1 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAATAGCGCGCAA 60
Query 1844 CTAGGATAA 1852

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Sbjct 61 CTAGGATAA 69

>lcl|Amplicon_95 non-redundant amplicon of 18 matches Length=87Length=87
Score = 122 bits (134), Expect = 4e-29
Identities = 81/85 (95%), Gaps = 4/85 (5%)

Score = 122 bits (134), Expect = 4e-29		
Identities = 81/85 (95%), Gaps = 4/85 (5%)		
Strand=Plus/Plus		
Query 1745 CATGTAATGCATGACGTTATTATGAGAT-GGGTTTTATGATT-AGAGT-CCCGCAATT	1801	
Sbjct 1 CATGTAATGCATGACGTTATTATGAGATGGGTTTATGATTAGAGTCGGCAATT	60	
Query 1802 ATACA-TTTAATACCGCGATAGAAAA 1825		
Sbjct 61 ATACATTAAATACGCGATAGAAAA 85		

>lcl|Amplicon_225 non-redundant amplicon of 12 matches

Length=69

Score = 122 bits (134), Expect = 4e-29
Identities = 68/69 (99%), Gaps = 0/69 (0%)

Strand=Plus/Plus		
Query 1784 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAATAGCGCGCAA	1843	
Sbjct 1 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAATAGCGCGCAA	60	
Query 1844 CTAGGATAA 1852		
Sbjct 61 CTAGGATAA 69		

>lcl|Amplicon_655 non-redundant amplicon of 2 matches

Length=69

Score = 120 bits (132), Expect = 1e-28
Identities = 68/69 (99%), Gaps = 0/69 (0%)

Strand=Plus/Plus		
Query 1784 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAATAGCGCGCAA	1843	
Sbjct 1 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAATAGCTCGCAA	60	
Query 1844 CTAGGATAA 1852		
Sbjct 61 CTAGGATAA 69		

>lcl|Amplicon_609 non-redundant amplicon of 5 matches

Length=69

Score = 120 bits (132), Expect = 1e-28
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 1843
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GATTAGAGTCCCGCAATTATACTTAATACACGATAGAAAACAAATATAGCGCGCAA 60
Query 1844 CTAGGATAA 1852
|||||||||
Sbjct 61 CTAGGATAA 69

>[lcl|Amplicon 475 non-redundant amplicon of 1 matches](#) Length=69

Score = 120 bits (132), Expect = 1e-28
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 1843
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GATTAGAGTCCCGCAATAATACATTAAATACCGCGATAGAAAACAAATATAGCGCGCAA 60
Query 1844 CTAGGATAA 1852
|||||||||
Sbjct 61 CTAGGATAA 69

>[lcl|Amplicon 418 non-redundant amplicon of 3 matches](#)

Length=69

Score = 120 bits (132), Expect = 1e-28
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 1843
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 60
Query 1844 CTAGGATAA 1852
|| |||||||
Sbjct 61 CTGGGATAA 69

>[lcl|Amplicon 230 non-redundant amplicon of 8 matches](#)

Length=69

Score = 120 bits (132), Expect = 1e-28
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 1843
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAGAATATAGCGCGCAA 60
Query 1844 CTAGGATAA 1852
|| |||||||
Sbjct 61 CTAGGATAA 69

>[lcl|Amplicon 406 non-redundant amplicon of 48 matches](#)

Length=69

Score = 120 bits (132), Expect = 1e-28
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 1843
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAAGACAAATATAGCGCGCAA 60
Query 1844 CTAGGATAA 1852
|| |||||||
Sbjct 61 CTAGGATAA 69

>[lcl|Amplicon 399 non-redundant amplicon of 6 matches](#) Length=69

Score = 120 bits (132), Expect = 1e-28
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 1843
|||||||||
Sbjct 1 GATTAGACTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 60 Query
1784 GATTAGAGTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 1843
|||||||||
Sbjct 1 GATTAGACTCCCGCAATTATACTTAATACCGCGATAGAAAACAAATATAGCGCGCAA 60
Query 1844 CTAGGATAA 1852
|| |||||||
Sbjct 61 CTAGGATAA 69

>[lcl|Amplicon 54 non-redundant amplicon of 120 matches](#)

Length=69

Score = 120 bits (132), Expect = 1e-28
 Identities = 68/69 (99%), Gaps = 0/69 (0%)
 Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATATAGCGCGCAA 1843
 |||||||

Sbjct 1 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATATAGCGCGCAA 60

Query 1844 CTAGGATAA 1852
 |||||

Sbjct 61 CTAGGATAA 69

>lcl|Amplicon_420 non-redundant amplicon of 7 matches Length=69

Score = 120 bits (132), Expect = 1e-28

Identities = 66/66 (100%), Gaps = 0/66 (0%)

Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATATAGCGCGCAA 1843
 |||||||

Sbjct 1 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATATAGCGCGCAA 60

Query 1844 CTAGGA 1849
 |||||

Sbjct 61 CTAGGA 66

>lcl|Amplicon_528 non-redundant amplicon of 4 matches

Length=70

Score = 118 bits (130), Expect = 4e-28

Identities = 69/70 (99%), Gaps = 1/70 (1%)

Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACATTAAATAC-GCGATAGAAAACAAAATATAGCGCGCAA 1842
 |||||||

Sbjct 1 GATTAGAGTCCCGCAATTATACATTAAATACCGCGATAGAAAACAAAATATAGCGCGCAA 60

Query 1843 ACTAGGATAA 1852
 |||||||

Sbjct 61 ACTAGGATAA 70

>lcl|Amplicon_390 non-redundant amplicon of 5 matches Length=69

Score = 116 bits (128), Expect = 2e-27

Identities = 68/69 (99%), Gaps = 1/69 (1%)

Strand=Plus/Plus

Query 1784 GATTAGAGTCCCGCAATTATACATTAAATACGCGATAGAAAACAAAATATAG-CGCGCAA 1842
 |||||||

Sbjct 1 GATTAGAGTCCCGCAATTATACATTAAATACCGCGATAGAAAACAAAATATAGCGCGCAA 60

Query 1843 ACTAGGATA 1851
 |||||||

Sbjct 1 GATTAGAGTCCCGCAATTATACATTAAATACCGCGATAGAAAACAAAATATAGCGCGCAA 60

Query 1843 ACTAGGATA 1851
 |||||||

Sbjct 61 ACTAGGATA 69

Lambda K H
 0.634 0.408 0.912

Gapped

Lambda K H

0.625 0.410 0.780

Effective search space used: 206414262

Query= p35S-nptII

Length=2140

Sequences producing significant alignments:

	Score (Bits)	E Value
lcl Amplicon_6 non-redundant amplicon of 57587 matches	389	2e-109
lcl Amplicon_113 non-redundant amplicon of 5 matches	385	2e-108
lcl Amplicon_55 non-redundant amplicon of 814 matches	385	2e-108
lcl Amplicon_604 non-redundant amplicon of 1 matches	383	7e-108
lcl Amplicon_262 non-redundant amplicon of 8 matches	383	7e-108
lcl Amplicon_402 non-redundant amplicon of 9 matches	383	7e-108
lcl Amplicon_769 non-redundant amplicon of 1 matches	383	7e-108
lcl Amplicon_745 non-redundant amplicon of 2 matches	383	7e-108
lcl Amplicon_436 non-redundant amplicon of 3 matches	383	7e-108
lcl Amplicon_580 non-redundant amplicon of 3 matches	383	7e-108
lcl Amplicon_590 non-redundant amplicon of 2 matches	383	7e-108
lcl Amplicon_573 non-redundant amplicon of 1 matches	383	7e-108
lcl Amplicon_571 non-redundant amplicon of 1 matches	383	7e-108
lcl Amplicon_75 non-redundant amplicon of 5 matches	383	7e-108
lcl Amplicon_534 non-redundant amplicon of 22 matches	383	7e-108

lcl Amplicon_516	non-redundant amplicon of 4 matches	383	7e-108
lcl Amplicon_274	non-redundant amplicon of 5 matches	383	7e-108
lcl Amplicon_280	non-redundant amplicon of 6 matches	383	7e-108
lcl Amplicon_195	non-redundant amplicon of 156 matches	383	7e-108
lcl Amplicon_62	non-redundant amplicon of 186 matches	383	7e-108
lcl Amplicon_343	non-redundant amplicon of 5 matches	383	7e-108
lcl Amplicon_342	non-redundant amplicon of 8 matches	383	7e-108
lcl Amplicon_34	non-redundant amplicon of 41 matches	383	7e-108
lcl Amplicon_241	non-redundant amplicon of 20 matches	383	7e-108
lcl Amplicon_20	non-redundant amplicon of 179 matches	383	7e-108
lcl Amplicon_788	non-redundant amplicon of 1 matches	381	2e-107
lcl Amplicon_628	non-redundant amplicon of 1 matches	381	2e-107
lcl Amplicon_294	non-redundant amplicon of 8 matches	379	8e-107
lcl Amplicon_386	non-redundant amplicon of 3 matches	379	8e-107
lcl Amplicon_384	non-redundant amplicon of 3 matches	379	8e-107
lcl Amplicon_432	non-redundant amplicon of 8 matches	379	8e-107
lcl Amplicon_413	non-redundant amplicon of 14 matches	379	8e-107
lcl Amplicon_775	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_638	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_637	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_636	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_635	non-redundant amplicon of 2 matches	379	8e-107
lcl Amplicon_633	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_627	non-redundant amplicon of 3 matches	379	8e-107
lcl Amplicon_400	non-redundant amplicon of 3 matches	379	8e-107
lcl Amplicon_282	non-redundant amplicon of 18 matches	379	8e-107
lcl Amplicon_570	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_568	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_566	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_347	non-redundant amplicon of 6 matches	379	8e-107
lcl Amplicon_570	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_568	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_566	non-redundant amplicon of 1 matches	379	8e-107
lcl Amplicon_347	non-redundant amplicon of 6 matches	379	8e-107
lcl Amplicon_393	non-redundant amplicon of 3 matches	379	8e-107
lcl Amplicon_444	non-redundant amplicon of 2 matches	378	3e-106
lcl Amplicon_754	non-redundant amplicon of 1 matches	378	3e-106
lcl Amplicon_309	non-redundant amplicon of 7 matches	378	3e-106
lcl Amplicon_345	non-redundant amplicon of 3 matches	376	1e-105
lcl Amplicon_407	non-redundant amplicon of 3 matches	376	1e-105
lcl Amplicon_610	non-redundant amplicon of 1 matches	374	4e-105
lcl Amplicon_536	non-redundant amplicon of 1 matches	374	4e-105
lcl Amplicon_356	non-redundant amplicon of 3 matches	374	4e-105
lcl Amplicon_221	non-redundant amplicon of 8 matches	374	4e-105
lcl Amplicon_767	non-redundant amplicon of 1 matches	370	4e-104
lcl Amplicon_480	non-redundant amplicon of 3 matches	370	4e-104
lcl Amplicon_423	non-redundant amplicon of 7 matches	370	4e-104
lcl Amplicon_784	non-redundant amplicon of 1 matches	367	5e-103
lcl Amplicon_63	non-redundant amplicon of 9 matches	365	2e-102
lcl Amplicon_770	non-redundant amplicon of 1 matches	361	2e-101
lcl Amplicon_8	non-redundant amplicon of 150 matches	361	2e-101
lcl Amplicon_47	non-redundant amplicon of 6422 matches	352	1e-98
lcl Amplicon_765	non-redundant amplicon of 1 matches	349	1e-97
lcl Amplicon_194	non-redundant amplicon of 40 matches	349	1e-97
lcl Amplicon_152	non-redundant amplicon of 66 matches	349	1e-97
lcl Amplicon_723	non-redundant amplicon of 2 matches	347	5e-97
lcl Amplicon_644	non-redundant amplicon of 4 matches	347	5e-97
lcl Amplicon_593	non-redundant amplicon of 2 matches	347	5e-97
lcl Amplicon_509	non-redundant amplicon of 4 matches	347	5e-97
lcl Amplicon_97	non-redundant amplicon of 12 matches	347	5e-97
lcl Amplicon_78	non-redundant amplicon of 6 matches	347	5e-97
lcl Amplicon_57	non-redundant amplicon of 14 matches	347	5e-97
lcl Amplicon_411	non-redundant amplicon of 10 matches	347	5e-97
lcl Amplicon_136	non-redundant amplicon of 17 matches	347	5e-97
lcl Amplicon_346	non-redundant amplicon of 12 matches	347	5e-97
lcl Amplicon_339	non-redundant amplicon of 6 matches	347	5e-97
lcl Amplicon_305	non-redundant amplicon of 6 matches	347	5e-97
lcl Amplicon_739	non-redundant amplicon of 4 matches	347	5e-97

lcl Amplicon_292	non-redundant amplicon of 6 matches	345	2e-96
lcl Amplicon_301	non-redundant amplicon of 24 matches	345	2e-96
lcl Amplicon_296	non-redundant amplicon of 4 matches	343	6e-96
lcl Amplicon_673	non-redundant amplicon of 4 matches	343	6e-96
lcl Amplicon_500	non-redundant amplicon of 10 matches	343	6e-96
lcl Amplicon_68	non-redundant amplicon of 12 matches	343	6e-96
lcl Amplicon_201	non-redundant amplicon of 182 matches	343	6e-96
lcl Amplicon_160	non-redundant amplicon of 7 matches	343	6e-96
lcl Amplicon_735	non-redundant amplicon of 4 matches	343	6e-96
lcl Amplicon_674	non-redundant amplicon of 6 matches	338	3e-94
lcl Amplicon_671	non-redundant amplicon of 2 matches	338	3e-94
lcl Amplicon_383	non-redundant amplicon of 18 matches	338	3e-94
lcl Amplicon_218	non-redundant amplicon of 8 matches	338	3e-94
lcl Amplicon_33	non-redundant amplicon of 2740 matches	338	3e-94
lcl Amplicon_93	non-redundant amplicon of 62 matches	336	9e-94
lcl Amplicon_789	non-redundant amplicon of 76 matches	334	3e-93
lcl Amplicon_786	non-redundant amplicon of 1 matches	334	3e-93
lcl Amplicon_577	non-redundant amplicon of 2 matches	334	3e-93
lcl Amplicon_501	non-redundant amplicon of 2 matches	334	3e-93
lcl Amplicon_273	non-redundant amplicon of 6 matches	334	3e-93
lcl Amplicon_90	non-redundant amplicon of 6 matches	334	3e-93
lcl Amplicon_71	non-redundant amplicon of 8 matches	334	3e-93
lcl Amplicon_67	non-redundant amplicon of 48 matches	334	3e-93
lcl Amplicon_428	non-redundant amplicon of 8 matches	334	3e-93
lcl Amplicon_200	non-redundant amplicon of 112 matches	334	3e-93
lcl Amplicon_327	non-redundant amplicon of 12 matches	334	3e-93
lcl Amplicon_50	non-redundant amplicon of 308 matches	334	3e-93
lcl Amplicon_12	non-redundant amplicon of 4816 matches	334	3e-93
lcl Amplicon_279	non-redundant amplicon of 28 matches	333	1e-92
lcl Amplicon_353	non-redundant amplicon of 6 matches	333	1e-92
lcl Amplicon_564	non-redundant amplicon of 4 matches	331	4e-92
lcl Amplicon_174	non-redundant amplicon of 78 matches	331	4e-92
lcl Amplicon_353	non-redundant amplicon of 6 matches	333	1e-92
lcl Amplicon_564	non-redundant amplicon of 4 matches	331	4e-92
lcl Amplicon_174	non-redundant amplicon of 78 matches	331	4e-92
lcl Amplicon_756	non-redundant amplicon of 1 matches	329	1e-91
lcl Amplicon_615	non-redundant amplicon of 4 matches	329	1e-91
lcl Amplicon_266	non-redundant amplicon of 178 matches	329	1e-91
lcl Amplicon_42	non-redundant amplicon of 18 matches	329	1e-91
lcl Amplicon_358	non-redundant amplicon of 12 matches	327	5e-91
lcl Amplicon_503	non-redundant amplicon of 2 matches	327	5e-91
lcl Amplicon_166	non-redundant amplicon of 44 matches	327	5e-91
lcl Amplicon_18	non-redundant amplicon of 166 matches	327	5e-91
lcl Amplicon_670	non-redundant amplicon of 2 matches	325	2e-90
lcl Amplicon_465	non-redundant amplicon of 4 matches	325	2e-90
lcl Amplicon_245	non-redundant amplicon of 52 matches	325	2e-90
lcl Amplicon_138	non-redundant amplicon of 132 matches	325	2e-90
lcl Amplicon_125	non-redundant amplicon of 742 matches	325	2e-90
lcl Amplicon_714	non-redundant amplicon of 2 matches	324	6e-90
lcl Amplicon_630	non-redundant amplicon of 8 matches	324	6e-90
lcl Amplicon_598	non-redundant amplicon of 2 matches	324	6e-90
lcl Amplicon_268	non-redundant amplicon of 190 matches	324	6e-90
lcl Amplicon_468	non-redundant amplicon of 2 matches	322	2e-89
lcl Amplicon_328	non-redundant amplicon of 18 matches	322	2e-89
lcl Amplicon_740	non-redundant amplicon of 4 matches	322	2e-89
lcl Amplicon_372	non-redundant amplicon of 6 matches	320	7e-89
lcl Amplicon_760	non-redundant amplicon of 2 matches	318	2e-88
lcl Amplicon_751	non-redundant amplicon of 2 matches	318	2e-88
lcl Amplicon_162	non-redundant amplicon of 20 matches	318	2e-88
lcl Amplicon_317	non-redundant amplicon of 10 matches	318	2e-88
lcl Amplicon_459	non-redundant amplicon of 2 matches	316	8e-88
lcl Amplicon_371	non-redundant amplicon of 6 matches	316	8e-88
lcl Amplicon_766	non-redundant amplicon of 4 matches	315	3e-87
lcl Amplicon_289	non-redundant amplicon of 6 matches	313	1e-86
lcl Amplicon_7	non-redundant amplicon of 58045 matches	313	1e-86
lcl Amplicon_763	non-redundant amplicon of 1 matches	309	1e-85
lcl Amplicon_752	non-redundant amplicon of 1 matches	309	1e-85
lcl Amplicon_114	non-redundant amplicon of 5 matches	309	1e-85

lcl Amplicon_433	non-redundant amplicon of 8 matches	307	4e-85
lcl Amplicon_746	non-redundant amplicon of 2 matches	307	4e-85
lcl Amplicon_639	non-redundant amplicon of 1 matches	307	4e-85
lcl Amplicon_437	non-redundant amplicon of 3 matches	307	4e-85
lcl Amplicon_634	non-redundant amplicon of 1 matches	307	4e-85
lcl Amplicon_611	non-redundant amplicon of 1 matches	307	4e-85
lcl Amplicon_572	non-redundant amplicon of 1 matches	307	4e-85
lcl Amplicon_535	non-redundant amplicon of 22 matches	307	4e-85
lcl Amplicon_517	non-redundant amplicon of 4 matches	307	4e-85
lcl Amplicon_275	non-redundant amplicon of 5 matches	307	4e-85
lcl Amplicon_281	non-redundant amplicon of 6 matches	307	4e-85
lcl Amplicon_172	non-redundant amplicon of 47 matches	307	4e-85
lcl Amplicon_196	non-redundant amplicon of 156 matches	307	4e-85
lcl Amplicon_414	non-redundant amplicon of 14 matches	307	4e-85
lcl Amplicon_344	non-redundant amplicon of 5 matches	307	4e-85
lcl Amplicon_348	non-redundant amplicon of 8 matches	307	4e-85
lcl Amplicon_35	non-redundant amplicon of 41 matches	307	4e-85
lcl Amplicon_242	non-redundant amplicon of 11 matches	307	4e-85
lcl Amplicon_21	non-redundant amplicon of 187 matches	307	4e-85
lcl Amplicon_780	non-redundant amplicon of 2 matches	306	2e-84
lcl Amplicon_776	non-redundant amplicon of 1 matches	306	2e-84
lcl Amplicon_768	non-redundant amplicon of 1 matches	306	2e-84
lcl Amplicon_758	non-redundant amplicon of 2 matches	306	2e-84
lcl Amplicon_401	non-redundant amplicon of 3 matches	304	5e-84
lcl Amplicon_387	non-redundant amplicon of 3 matches	304	5e-84
lcl Amplicon_385	non-redundant amplicon of 3 matches	304	5e-84
lcl Amplicon_581	non-redundant amplicon of 3 matches	304	5e-84
lcl Amplicon_569	non-redundant amplicon of 1 matches	304	5e-84
lcl Amplicon_567	non-redundant amplicon of 1 matches	304	5e-84
lcl Amplicon_283	non-redundant amplicon of 18 matches	304	5e-84
lcl Amplicon_295	non-redundant amplicon of 8 matches	304	5e-84
lcl Amplicon_394	non-redundant amplicon of 3 matches	304	5e-84
lcl Amplicon_445	non-redundant amplicon of 2 matches	302	2e-83
lcl Amplicon_357	non-redundant amplicon of 3 matches	302	2e-83
lcl Amplicon_757	non-redundant amplicon of 1 matches	298	2e-82
lcl Amplicon_537	non-redundant amplicon of 1 matches	298	2e-82
lcl Amplicon_771	non-redundant amplicon of 1 matches	297	8e-82
lcl Amplicon_471	non-redundant amplicon of 1 matches	297	8e-82
lcl Amplicon_424	non-redundant amplicon of 7 matches	295	3e-81
lcl Amplicon_764	non-redundant amplicon of 1 matches	293	9e-81
lcl Amplicon_375	non-redundant amplicon of 6 matches	289	1e-79
lcl Amplicon_787	non-redundant amplicon of 1 matches	289	1e-79
lcl Amplicon_773	non-redundant amplicon of 1 matches	289	1e-79
lcl Amplicon_576	non-redundant amplicon of 2 matches	289	1e-79
lcl Amplicon_64	non-redundant amplicon of 9 matches	289	1e-79
lcl Amplicon_489	non-redundant amplicon of 4 matches	286	1e-78
lcl Amplicon_161	non-redundant amplicon of 7 matches	277	7e-76
lcl Amplicon_137	non-redundant amplicon of 17 matches	273	9e-75
lcl Amplicon_650	non-redundant amplicon of 1 matches	262	2e-71
lcl Amplicon_131	non-redundant amplicon of 36 matches	260	6e-71
lcl Amplicon_22	non-redundant amplicon of 18 matches	257	7e-70
lcl Amplicon_785	non-redundant amplicon of 2 matches	248	4e-67
lcl Amplicon_621	non-redundant amplicon of 10 matches	248	4e-67
lcl Amplicon_128	non-redundant amplicon of 54 matches	248	4e-67
lcl Amplicon_472	non-redundant amplicon of 1 matches	244	4e-66
lcl Amplicon_783	non-redundant amplicon of 1 matches	241	5e-65
lcl Amplicon_354	non-redundant amplicon of 5 matches	241	5e-65
lcl Amplicon_36	non-redundant amplicon of 2906 matches	223	1e-59
lcl Amplicon_458	non-redundant amplicon of 11 matches	221	5e-59
lcl Amplicon_261	non-redundant amplicon of 16 matches	221	5e-59
lcl Amplicon_119	non-redundant amplicon of 56 matches	221	5e-59
lcl Amplicon_249	non-redundant amplicon of 392 matches	221	5e-59
lcl Amplicon_178	non-redundant amplicon of 69 matches	221	5e-59
lcl Amplicon_755	non-redundant amplicon of 1 matches	219	2e-58
lcl Amplicon_712	non-redundant amplicon of 1 matches	219	2e-58

lcl Amplicon_484	non-redundant amplicon of 1 matches	219	2e-58
lcl Amplicon_226	non-redundant amplicon of 5 matches	219	2e-58
lcl Amplicon_48	non-redundant amplicon of 966 matches	219	2e-58
lcl Amplicon_442	non-redundant amplicon of 2 matches	217	6e-58
lcl Amplicon_724	non-redundant amplicon of 1 matches	217	6e-58
lcl Amplicon_681	non-redundant amplicon of 2 matches	217	6e-58
lcl Amplicon_678	non-redundant amplicon of 1 matches	217	6e-58
lcl Amplicon_594	non-redundant amplicon of 1 matches	217	6e-58
lcl Amplicon_79	non-redundant amplicon of 3 matches	217	6e-58
lcl Amplicon_463	non-redundant amplicon of 1 matches	217	6e-58
lcl Amplicon_91	non-redundant amplicon of 3 matches	217	6e-58
lcl Amplicon_98	non-redundant amplicon of 6 matches	217	6e-58
lcl Amplicon_300	non-redundant amplicon of 3 matches	217	6e-58
lcl Amplicon_58	non-redundant amplicon of 7 matches	217	6e-58
lcl Amplicon_332	non-redundant amplicon of 3 matches	217	6e-58
lcl Amplicon_9	non-redundant amplicon of 3 matches	217	6e-58
lcl Amplicon_306	non-redundant amplicon of 3 matches	217	6e-58
lcl Amplicon_741	non-redundant amplicon of 2 matches	217	6e-58
lcl Amplicon_13	non-redundant amplicon of 2835 matches	217	6e-58
lcl Amplicon_695	non-redundant amplicon of 1 matches	215	2e-57
lcl Amplicon_669	non-redundant amplicon of 1 matches	215	2e-57
lcl Amplicon_664	non-redundant amplicon of 1 matches	215	2e-57
lcl Amplicon_662	non-redundant amplicon of 1 matches	215	2e-57
lcl Amplicon_661	non-redundant amplicon of 6 matches	215	2e-57
lcl Amplicon_656	non-redundant amplicon of 1 matches	215	2e-57
lcl Amplicon_297	non-redundant amplicon of 22 matches	215	2e-57
lcl Amplicon_510	non-redundant amplicon of 2 matches	215	2e-57
lcl Amplicon_504	non-redundant amplicon of 1 matches	215	2e-57
lcl Amplicon_675	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_378	non-redundant amplicon of 3 matches	214	7e-57
lcl Amplicon_781	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_733	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_718	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_715	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_694	non-redundant amplicon of 2 matches	214	7e-57
lcl Amplicon_666	non-redundant amplicon of 22 matches	214	7e-57
lcl Amplicon_718	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_715	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_694	non-redundant amplicon of 2 matches	214	7e-57
lcl Amplicon_666	non-redundant amplicon of 22 matches	214	7e-57
lcl Amplicon_592	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_476	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_469	non-redundant amplicon of 1 matches	214	7e-57
lcl Amplicon_287	non-redundant amplicon of 6 matches	214	7e-57
lcl Amplicon_153	non-redundant amplicon of 25 matches	214	7e-57
lcl Amplicon_43	non-redundant amplicon of 9 matches	214	7e-57
lcl Amplicon_45	non-redundant amplicon of 597 matches	214	7e-57
lcl Amplicon_139	non-redundant amplicon of 84 matches	214	7e-57
lcl Amplicon_659	non-redundant amplicon of 1 matches	212	3e-56
lcl Amplicon_645	non-redundant amplicon of 2 matches	212	3e-56
lcl Amplicon_631	non-redundant amplicon of 4 matches	212	3e-56
lcl Amplicon_585	non-redundant amplicon of 3 matches	212	3e-56
lcl Amplicon_290	non-redundant amplicon of 3 matches	212	3e-56
lcl Amplicon_238	non-redundant amplicon of 44 matches	212	3e-56
lcl Amplicon_687	non-redundant amplicon of 2 matches	210	9e-56
lcl Amplicon_623	non-redundant amplicon of 1 matches	210	9e-56
lcl Amplicon_514	non-redundant amplicon of 1 matches	210	9e-56
lcl Amplicon_454	non-redundant amplicon of 1 matches	210	9e-56
lcl Amplicon_340	non-redundant amplicon of 3 matches	210	9e-56
lcl Amplicon_186	non-redundant amplicon of 4 matches	208	3e-55
lcl Amplicon_732	non-redundant amplicon of 4 matches	208	3e-55
lcl Amplicon_730	non-redundant amplicon of 2 matches	208	3e-55
lcl Amplicon_727	non-redundant amplicon of 1 matches	208	3e-55
lcl Amplicon_711	non-redundant amplicon of 2 matches	208	3e-55
lcl Amplicon_699	non-redundant amplicon of 4 matches	208	3e-55
lcl Amplicon_691	non-redundant amplicon of 4 matches	208	3e-55
lcl Amplicon_668	non-redundant amplicon of 4 matches	208	3e-55
lcl Amplicon_467	non-redundant amplicon of 1 matches	208	3e-55

lcl Amplicon_460	non-redundant amplicon of 1 matches	208	3e-55
lcl Amplicon_736	non-redundant amplicon of 2 matches	208	3e-55
lcl Amplicon_359	non-redundant amplicon of 6 matches	206	1e-54
lcl Amplicon_163	non-redundant amplicon of 10 matches	206	1e-54
lcl Amplicon_150	non-redundant amplicon of 13 matches	205	4e-54
lcl Amplicon_731	non-redundant amplicon of 2 matches	205	4e-54
lcl Amplicon_720	non-redundant amplicon of 2 matches	205	4e-54
lcl Amplicon_713	non-redundant amplicon of 2 matches	205	4e-54
lcl Amplicon_709	non-redundant amplicon of 2 matches	205	4e-54
lcl Amplicon_707	non-redundant amplicon of 1 matches	205	4e-54
lcl Amplicon_703	non-redundant amplicon of 4 matches	205	4e-54
lcl Amplicon_698	non-redundant amplicon of 14 matches	205	4e-54
lcl Amplicon_697	non-redundant amplicon of 2 matches	205	4e-54
lcl Amplicon_693	non-redundant amplicon of 2 matches	205	4e-54
lcl Amplicon_286	non-redundant amplicon of 7 matches	203	1e-53
lcl Amplicon_774	non-redundant amplicon of 1 matches	203	1e-53
lcl Amplicon_710	non-redundant amplicon of 2 matches	203	1e-53
lcl Amplicon_665	non-redundant amplicon of 8 matches	203	1e-53
lcl Amplicon_761	non-redundant amplicon of 1 matches	201	5e-53
lcl Amplicon_700	non-redundant amplicon of 2 matches	199	2e-52
lcl Amplicon_692	non-redundant amplicon of 2 matches	199	2e-52
lcl Amplicon_605	non-redundant amplicon of 2 matches	199	2e-52
lcl Amplicon_599	non-redundant amplicon of 1 matches	199	2e-52
lcl Amplicon_513	non-redundant amplicon of 2 matches	199	2e-52
lcl Amplicon_778	non-redundant amplicon of 1 matches	197	6e-52
lcl Amplicon_706	non-redundant amplicon of 2 matches	196	2e-51
lcl Amplicon_690	non-redundant amplicon of 2 matches	196	2e-51
lcl Amplicon_686	non-redundant amplicon of 2 matches	196	2e-51
lcl Amplicon_683	non-redundant amplicon of 2 matches	196	2e-51
lcl Amplicon_545	non-redundant amplicon of 12 matches	196	2e-51
lcl Amplicon_321	non-redundant amplicon of 10 matches	196	2e-51
lcl Amplicon_318	non-redundant amplicon of 5 matches	179	2e-46
lcl Amplicon_779	non-redundant amplicon of 1 matches	174	6e-45
lcl Amplicon_457	non-redundant amplicon of 1 matches	170	8e-44
lcl Amplicon_721	non-redundant amplicon of 10 matches	168	3e-43
lcl Amplicon_376	non-redundant amplicon of 3 matches	163	1e-41
lcl Amplicon_753	non-redundant amplicon of 1 matches	163	1e-41
lcl Amplicon_722	non-redundant amplicon of 2 matches	163	1e-41
lcl Amplicon_629	non-redundant amplicon of 1 matches	161	4e-41
lcl Amplicon_376	non-redundant amplicon of 3 matches	163	1e-41
lcl Amplicon_753	non-redundant amplicon of 1 matches	163	1e-41
lcl Amplicon_722	non-redundant amplicon of 2 matches	163	1e-41
lcl Amplicon_629	non-redundant amplicon of 1 matches	161	4e-41
lcl Amplicon_490	non-redundant amplicon of 1 matches	161	4e-41
lcl Amplicon_421	non-redundant amplicon of 4 matches	161	4e-41
lcl Amplicon_202	non-redundant amplicon of 22 matches	159	1e-40
lcl Amplicon_373	non-redundant amplicon of 3 matches	156	2e-39
lcl Amplicon_777	non-redundant amplicon of 1 matches	152	2e-38
lcl Amplicon_602	non-redundant amplicon of 2 matches	152	2e-38
lcl Amplicon_772	non-redundant amplicon of 1 matches	150	7e-38
lcl Amplicon_23	non-redundant amplicon of 9 matches	150	7e-38
lcl Amplicon_14	non-redundant amplicon of 22510 matches	149	3e-37
lcl Amplicon_616	non-redundant amplicon of 4 matches	147	9e-37
lcl Amplicon_734	non-redundant amplicon of 4 matches	147	9e-37
lcl Amplicon_565	non-redundant amplicon of 4 matches	145	3e-36
lcl Amplicon_175	non-redundant amplicon of 134 matches	145	3e-36
lcl Amplicon_126	non-redundant amplicon of 778 matches	145	3e-36
lcl Amplicon_429	non-redundant amplicon of 8 matches	143	1e-35
lcl Amplicon_672	non-redundant amplicon of 2 matches	143	1e-35
lcl Amplicon_579	non-redundant amplicon of 2 matches	143	1e-35
lcl Amplicon_511	non-redundant amplicon of 4 matches	143	1e-35
lcl Amplicon_219	non-redundant amplicon of 10 matches	143	1e-35
lcl Amplicon_466	non-redundant amplicon of 10 matches	143	1e-35
lcl Amplicon_60	non-redundant amplicon of 14 matches	143	1e-35
lcl Amplicon_59	non-redundant amplicon of 14 matches	143	1e-35
lcl Amplicon_341	non-redundant amplicon of 6 matches	143	1e-35
lcl Amplicon_44	non-redundant amplicon of 18 matches	143	1e-35
lcl Amplicon_10	non-redundant amplicon of 5176 matches	143	1e-35

lcl Amplicon_716	non-redundant amplicon of 2 matches	141	4e-35
lcl Amplicon_293	non-redundant amplicon of 6 matches	141	4e-35
lcl Amplicon_291	non-redundant amplicon of 6 matches	141	4e-35
lcl Amplicon_302	non-redundant amplicon of 42 matches	141	4e-35
lcl Amplicon_129	non-redundant amplicon of 9 matches	141	4e-35
lcl Amplicon_667	non-redundant amplicon of 28 matches	140	1e-34
lcl Amplicon_461	non-redundant amplicon of 2 matches	140	1e-34
lcl Amplicon_69	non-redundant amplicon of 12 matches	140	1e-34
lcl Amplicon_374	non-redundant amplicon of 6 matches	140	1e-34
lcl Amplicon_360	non-redundant amplicon of 12 matches	140	1e-34
lcl Amplicon_330	non-redundant amplicon of 18 matches	140	1e-34
lcl Amplicon_51	non-redundant amplicon of 1198 matches	140	1e-34
lcl Amplicon_624	non-redundant amplicon of 1 matches	138	5e-34
lcl Amplicon_728	non-redundant amplicon of 1 matches	138	5e-34
lcl Amplicon_725	non-redundant amplicon of 1 matches	138	5e-34
lcl Amplicon_696	non-redundant amplicon of 1 matches	138	5e-34
lcl Amplicon_682	non-redundant amplicon of 2 matches	138	5e-34
lcl Amplicon_679	non-redundant amplicon of 1 matches	138	5e-34
lcl Amplicon_657	non-redundant amplicon of 1 matches	138	5e-34
lcl Amplicon_595	non-redundant amplicon of 1 matches	138	5e-34
lcl Amplicon_538	non-redundant amplicon of 1 matches	138	5e-34
lcl Amplicon_512	non-redundant amplicon of 2 matches	138	5e-34
lcl Amplicon_92	non-redundant amplicon of 3 matches	138	5e-34
lcl Amplicon_99	non-redundant amplicon of 6 matches	138	5e-34
lcl Amplicon_80	non-redundant amplicon of 3 matches	138	5e-34
lcl Amplicon_312	non-redundant amplicon of 6 matches	138	5e-34
lcl Amplicon_333	non-redundant amplicon of 3 matches	138	5e-34
lcl Amplicon_307	non-redundant amplicon of 3 matches	138	5e-34
lcl Amplicon_742	non-redundant amplicon of 2 matches	138	5e-34
lcl Amplicon_16	non-redundant amplicon of 2860 matches	138	5e-34
lcl Amplicon_622	non-redundant amplicon of 10 matches	136	2e-33
lcl Amplicon_505	non-redundant amplicon of 1 matches	136	2e-33
lcl Amplicon_597	non-redundant amplicon of 4 matches	136	2e-33
lcl Amplicon_11	non-redundant amplicon of 4568 matches	136	2e-33
lcl Amplicon_470	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_361	non-redundant amplicon of 6 matches	134	6e-33
lcl Amplicon_408	non-redundant amplicon of 3 matches	134	6e-33
lcl Amplicon_759	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_719	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_717	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_705	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_704	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_719	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_717	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_705	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_704	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_701	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_688	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_684	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_680	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_676	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_660	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_151	non-redundant amplicon of 13 matches	134	6e-33
lcl Amplicon_515	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_477	non-redundant amplicon of 1 matches	134	6e-33
lcl Amplicon_288	non-redundant amplicon of 6 matches	134	6e-33
lcl Amplicon_154	non-redundant amplicon of 25 matches	134	6e-33
lcl Amplicon_319	non-redundant amplicon of 10 matches	134	6e-33
lcl Amplicon_120	non-redundant amplicon of 108 matches	134	6e-33
lcl Amplicon_231	non-redundant amplicon of 30 matches	134	6e-33
lcl Amplicon_737	non-redundant amplicon of 2 matches	134	6e-33
lcl Amplicon_140	non-redundant amplicon of 93 matches	134	6e-33
lcl Amplicon_46	non-redundant amplicon of 641 matches	134	6e-33
lcl Amplicon_620	non-redundant amplicon of 2 matches	132	2e-32
lcl Amplicon_255	non-redundant amplicon of 11 matches	132	2e-32
lcl Amplicon_606	non-redundant amplicon of 1 matches	132	2e-32
lcl Amplicon_464	non-redundant amplicon of 1 matches	132	2e-32
lcl Amplicon_658	non-redundant amplicon of 1 matches	131	7e-32

lcl Amplicon_762	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_729	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_726	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_708	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_702	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_689	non-redundant amplicon of 2 matches	131	7e-32
lcl Amplicon_685	non-redundant amplicon of 2 matches	131	7e-32
lcl Amplicon_677	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_663	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_632	non-redundant amplicon of 4 matches	131	7e-32
lcl Amplicon_596	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_539	non-redundant amplicon of 1 matches	131	7e-32
lcl Amplicon_81	non-redundant amplicon of 3 matches	131	7e-32
lcl Amplicon_412	non-redundant amplicon of 5 matches	131	7e-32
lcl Amplicon_334	non-redundant amplicon of 3 matches	131	7e-32
lcl Amplicon_19	non-redundant amplicon of 1106 matches	131	7e-32
lcl Amplicon_308	non-redundant amplicon of 3 matches	131	7e-32
lcl Amplicon_743	non-redundant amplicon of 2 matches	131	7e-32
lcl Amplicon_625	non-redundant amplicon of 1 matches	129	2e-31
lcl Amplicon_506	non-redundant amplicon of 1 matches	129	2e-31
lcl Amplicon_462	non-redundant amplicon of 1 matches	129	2e-31
lcl Amplicon_121	non-redundant amplicon of 63 matches	129	2e-31
lcl Amplicon_738	non-redundant amplicon of 2 matches	129	2e-31
lcl Amplicon_379	non-redundant amplicon of 3 matches	127	8e-31
lcl Amplicon_362	non-redundant amplicon of 6 matches	127	8e-31
lcl Amplicon_600	non-redundant amplicon of 1 matches	127	8e-31
lcl Amplicon_478	non-redundant amplicon of 1 matches	127	8e-31
lcl Amplicon_203	non-redundant amplicon of 17 matches	127	8e-31
lcl Amplicon_155	non-redundant amplicon of 13 matches	127	8e-31
lcl Amplicon_164	non-redundant amplicon of 10 matches	127	8e-31
lcl Amplicon_204	non-redundant amplicon of 28 matches	127	8e-31
lcl Amplicon_141	non-redundant amplicon of 87 matches	127	8e-31
lcl Amplicon_782	non-redundant amplicon of 2 matches	125	3e-30
lcl Amplicon_497	non-redundant amplicon of 2 matches	125	3e-30
lcl Amplicon_377	non-redundant amplicon of 6 matches	123	1e-29
lcl Amplicon_232	non-redundant amplicon of 19 matches	122	4e-29
lcl Amplicon_165	non-redundant amplicon of 10 matches	120	1e-28
lcl Amplicon_495	non-redundant amplicon of 1 matches	114	5e-27
lcl Amplicon_205	non-redundant amplicon of 17 matches	114	5e-27
lcl Amplicon_326	non-redundant amplicon of 9 matches	104	9e-24
lcl Amplicon_132	non-redundant amplicon of 9 matches	102	3e-23
lcl Amplicon_355	non-redundant amplicon of 8 matches	100	1e-22
lcl Amplicon_492	non-redundant amplicon of 2 matches	96.9	1e-21
lcl Amplicon_491	non-redundant amplicon of 2 matches	91.5	6e-20
lcl Amplicon_355	non-redundant amplicon of 8 matches	100	1e-22
lcl Amplicon_492	non-redundant amplicon of 2 matches	96.9	1e-21
lcl Amplicon_491	non-redundant amplicon of 2 matches	91.5	6e-20
lcl Amplicon_24	non-redundant amplicon of 9 matches	87.8	7e-19
lcl Amplicon_133	non-redundant amplicon of 18 matches	80.6	1e-16
lcl Amplicon_130	non-redundant amplicon of 27 matches	78.8	4e-16
lcl Amplicon_182	non-redundant amplicon of 20 matches	75.2	5e-15

>[lcl|Amplicon_6 non-redundant amplicon of 57587 matches](#)

Length=215

Score = 389 bits (430), Expect = 2e-109

Identities = 215/215 (100%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCCGGCTGCATA 1718

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCCGGCTGCATA 60

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGCGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838

||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGCGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180

Query 1839 TCGCGCCAGCGAAGTGTGCCAGGCTCAAGGCG 1873

||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 181 TCGCGCCAGCGAAGTGTGCCAGGCTCAAGGCG 215

>[lcl|Amplicon_113 non-redundant amplicon of 5 matches](#)

Length=215

Score = 385 bits (426), Expect = 2e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGRATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCGAAGTGTGCCCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCGAAGTGTGCCCCAGGCTCAAGGCG	215

>lcl|Amplicon 55 non-redundant amplicon of 814 matches

Length=215

Score = 385 bits (426), Expect = 2e-108
Identities = 213/213 (100%), Gaps = 0/213 (0%) Strand=Plus/Plus

Query	1661	CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATACG	1720
Sbjct	3	CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATACG	62
Query	1721	CTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGT	1780
Sbjct	3	CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATACG	62
Query	1721	CTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGT	1780
Sbjct	63	CTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGT	122
Query	1781	ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1840
Sbjct	123	ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	182
Query	1841	GCGCCAGCGAAGTGTGCCCCAGGCTCAAGGCG	1873
Sbjct	183	GCGCCAGCGAAGTGTGCCCCAGGCTCAAGGCG	215

>lcl|Amplicon 604 non-redundant amplicon of 1 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGGAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCGAAGTGTGCCCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCGAAGTGTGCCCCAGGCTCAAGGCG	215

>lcl|Amplicon 262 non-redundant amplicon of 8 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCGAAGTGTGCCCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCGAAGTGTGCCCCAGGCTCAAGGCG	215

>lcl|Amplicon 402 non-redundant amplicon of 9 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTGCATA 1718
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTGCATA 1718
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTGCATA 60
Query 1719 CGCTTGATCCGGTACCTGCCCATTCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGTACCTGCCCATTCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
Query 1839 TCGGCCAGCGAAGTGTGCCAGGCTCAAGGCG 1873
|||||||||||||||||||||||||
Sbjct 181 TCGGCCAGCGAAGTGTGCCAGGCTCAAGGCG 215

>lcl|Amplicon 769 non-redundant amplicon of 1 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 212/212 (100%), Gaps = 0/212 (0%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTGCATA 1718
|||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTGCATA 60
Query 1719 CGCTTGATCCGGTACCTGCCCATTCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGTACCTGCCCATTCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
|||||||||||||||||||||||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
Query 1839 TCGGCCAGCGAAGTGTGCCAGGCTCAAG 1870
|||||||||||||||||||||
Sbjct 181 TCGGCCAGCGAAGTGTGCCAGGCTCAAG 212

>lcl|Amplicon 745 non-redundant amplicon of 2 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTGCATA 1718
|||||||||||||||||||||||||||||||||||||
Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTACATA 60
Query 1719 CGCTTGATCCGGTACCTGCCCATTCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
|||||||||||||||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGTACCTGCCCATTCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
|||||||||||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
Query 1839 TCGGCCAGCGAAGTGTGCCAGGCTCAAGGCG 1873
|||||||||||||||||
Sbjct 181 TCGGCCAGCGAAGTGTGCCAGGCTCAAGGCG 215

>lcl|Amplicon 436 non-redundant amplicon of 3 matches

Length=215

>lcl|Amplicon 436 non-redundant amplicon of 3 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTGCATA 1718
|||||||||||||||||||||||||||||
Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGC GGCGCTGCATA 60
Query 1719 CGCTTGATCCGGTACCTGCCCATTCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
|||||||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGTACCTGCCCATTCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
|||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
Query 1839 TCGGCCAGCGAAGTGTGCCAGGCTCAAGGCG 1873
|||||||||||||
Sbjct 181 TCGGCCAGCGAAGTGTGCCAGGCTCAAGGCG 215

>lcl|Amplicon_580 non-redundant amplicon of 3 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG	1873

>lcl|Amplicon_590 non-redundant amplicon of 2 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG	1873
Query	1839	TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG	215

>lcl|Amplicon_573 non-redundant amplicon of 1 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG	1873

>lcl|Amplicon_571 non-redundant amplicon of 1 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG	215

>lcl|Amplicon_75 non-redundant amplicon of 5 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCCGAACGTGTTGCCAGGCTTAAGGCG	215

>lcl|Amplicon_534 non-redundant amplicon of 22 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GCACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG	215

>lcl|Amplicon_516 non-redundant amplicon of 4 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATACGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG	215

>lcl|Amplicon_274 non-redundant amplicon of 5 matches

Length=215

Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1659	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG	1873

||||||||||||||||||||||||||||
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_280 non-redundant amplicon of 6 matches
Length=215
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||||||
Sbjct 1 CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCYC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
||||||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1839 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
||||||||||||||||||||
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_195 non-redundant amplicon of 156 matches
Length=215
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus
Query 1659 CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||
Sbjct 1 CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGGGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1839 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
||||||||||||||||
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_62 non-redundant amplicon of 186 matches
Length=215
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus
Query 1659 CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||
Sbjct 1 CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1839 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
||||||||||||||||
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_343 non-redundant amplicon of 5 matches
Length=215
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||
Sbjct 1 CTCATCTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180

Query 1839 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
|||||||
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_342 non-redundant amplicon of 8 matches
Length=215
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Sbjct 1 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
|||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
|||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAGGAGCATCAGGGGC 180
Query 1839 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
|||||||
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_34 non-redundant amplicon of 41 matches
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_34 non-redundant amplicon of 41 matches
Length=215
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Sbjct 1 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
|||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGGAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
|||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1839 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
|||||||
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_241 non-redundant amplicon of 20 matches
Length=215
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Sbjct 1 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
|||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTCAATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
|||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTCAATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1839 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
|||||||
Sbjct 181 TCGGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_20 non-redundant amplicon of 179 matches
Length=215
Score = 383 bits (424), Expect = 7e-108
Identities = 214/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Sbjct 1 CTCGCCCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
|||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
|||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1839 TCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
||||||||||||||||||||||||||||||||||||||||||||

Sbjct 181 TCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon 788 non-redundant amplicon of 1 matches

Length=216

Score = 381 bits (422), Expect = 2e-107
Identities = 215/216 (99%), Gaps = 1/216 (0%)
Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTCGATCAGGATGATCTGGACGAAGAGCATCA-GGGG 1837
||||||||||||||||||||||||||||||||||||||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1838 CTCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
||||||||||||||||||||||||||||||||||||||||

Sbjct 181 CTCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 216

>lcl|Amplicon 628 non-redundant amplicon of 1 matches

Length=215

Score = 381 bits (422), Expect = 2e-107
Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
||||||||||||||||||||||||||||||||||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1839 TCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
||||||||||||||||||||||||||||||||||

Sbjct 181 TCGCGCCAAGCGAACTGTTGCCANGCTCAAGGCG 215

>lcl|Amplicon 294 non-redundant amplicon of 8 matches

Length=215

Score = 379 bits (420), Expect = 8e-107
Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTGTCCATCATGGCTGATGCAATACGGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120 Query
1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
||||||||||||||||||||||||||||||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180
Query 1839 TCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873
||||||||||||||||||||||||||||||

Sbjct 181 TCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 215

>lcl|Amplicon 386 non-redundant amplicon of 3 matches

Length=215

Score = 379 bits (420), Expect = 8e-107
Identities = 213/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTACACATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
|||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
Query 1839 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
|||||||
Sbjct 181 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon 384 non-redundant amplicon of 3 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
Identities = 213/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
|||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
|||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATTGGGATGATCTGGACGAAGAGCATCAGGGC 180
Query 1839 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
|||||||
Sbjct 181 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon 432 non-redundant amplicon of 8 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
|||||||
Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
|||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAACATCAGGGC 180
Query 1839 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
|||||||
Sbjct 181 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon 413 non-redundant amplicon of 14 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
|||||||
Sbjct 61 CGCTTGATCCGGCTACATGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
|||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
Query 1839 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
|||||||
Sbjct 181 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon 775 non-redundant amplicon of 1 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
Identities = 214/215 (99%), Gaps = 1/215 (0%)
Strand=Plus/Plus
Query 1660 TCACCTTGCTCC-TGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 1718
|||||||
Sbjct 1 TCACCTTGCTCC-TGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
|||||||

Sbjct 61 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
||||||||||||||||||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
Query 1839 TCGCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 1873
||||||||||||||||||||||||||||
Sbjct 181 TCGCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 215
>lcl|Amplicon 638 non-redundant amplicon of 1 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
>lcl|Amplicon 638 non-redundant amplicon of 1 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||||||||||||||||||||||||||||||||
Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
||||||||||||||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
||||||||||||||||||||||||||||
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCAGGACGAAGAGCATCAGGGC 180
Query 1839 TCGCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 1873
||||||||||||||||||||||||
Sbjct 181 TCGCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 215
>lcl|Amplicon 637 non-redundant amplicon of 1 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
Identities = 212/213 (99%), Gaps = 0/213 (0%) Strand=Plus/Plus
Query 1661 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATAACG 1720
||||||||||||||||||||||||||||||||
Sbjct 3 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGAGCTGCATAACG 62
Query 1721 CTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCACGT 1780
||||||||||||||||||||||||||||
Sbjct 63 CTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCACGT 122
Query 1781 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGCTC 1840
||||||||||||||||||||||||
Sbjct 123 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGCTC 182
Query 1841 GCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 1873
||||||||||||||||||||
Sbjct 183 GCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 215
>lcl|Amplicon 636 non-redundant amplicon of 1 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
Identities = 212/213 (99%), Gaps = 0/213 (0%) Strand=Plus/Plus
Query 1661 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATAACG 1720
||||||||||||||||||||||||||||
Sbjct 3 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATAACG 62
Query 1721 CTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCACGT 1780
||||||||||||||||||||||||
Sbjct 63 CTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCACGT 122
Query 1781 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGCTC 1840
||||||||||||||||||||||||
Sbjct 123 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGCGAAGAGCATCAGGGCTC 182
Query 1841 GCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 1873
||||||||||||||||||||
Sbjct 183 GCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 215
Query 1841 GCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 1873
||||||||||||||||||||
Sbjct 183 GCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 215
>lcl|Amplicon 635 non-redundant amplicon of 2 matches
Length=215
Score = 379 bits (420), Expect = 8e-107
Identities = 212/213 (99%), Gaps = 0/213 (0%) Strand=Plus/Plus
Query 1661 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATAACG 1720
||||||||||||||||||||||||
Sbjct 3 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATAACG 62

Query 1721 CTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGT 1780
 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 63 CTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGT 122
 |||||||||||||||||||||||||||||||||||||||||||||||||||||

Query 1781 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGCTC 1840
 |||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 123 ACTCGGATGGAAGCCGGTCTTGTGATCAAGATGATCTGGACGAAGAGCATCAGGGCTC 182
 |||||||||||||||||||||||||||||||||||||||||||||||||

Query 1841 GCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
 |||||||||||||||||||||||||||||||||||||||||||||

Sbjct 183 GCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_633 non-redundant amplicon of 1 matches

Length=215

Score = 379 bits (420), Expect = 8e-107

Identities = 213/215 (99%), Gaps = 0/215 (0%)

Strand=Plus/Plus

Query 1659 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
 |||||||||||||||||||||||||||||||||||||||||||||

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
 |||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
 |||||||||||||||||||||||||||||||||||||||||

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
 |||||||||||||||||||||||||||||||||||||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
 |||||||||||||||||||||||||||||||||||||

Query 1839 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
 |||||||||||||||||||||||||||||||||

Sbjct 181 TCGCGCCAGCCAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_627 non-redundant amplicon of 3 matches

Length=215

Score = 379 bits (420), Expect = 8e-107

Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||||||||||||||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
 |||||||||||||||||||||||||||||||||||||

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
 |||||||||||||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
 |||||||||||||||||||||||||||||||||

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
 |||||||||||||||||||||||||||||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAGGAACATCAGGGC 180
 |||||||||||||||||||||||||||||||||

Query 1839 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
 |||||||||||||||||||||||||||||

Sbjct 181 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon_400 non-redundant amplicon of 3 matches

Length=214

Score = 379 bits (420), Expect = 8e-107

Identities = 214/215 (99%), Gaps = 1/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||||||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
 |||||||||||||||||||||||||||||

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
 |||||||||||||||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
 |||||||||||||||||||||||||

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
 |||||||||||||||||||||||||||||

Sbjct 121 GTA-TCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 179
 |||||||||||||||||||||||||

Query 1839 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
 |||||||||||||||||||||||||

Sbjct 180 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 214
>lcl|Amplicon_282 non-redundant amplicon of 18 matches

Length=214

Score = 379 bits (420), Expect = 8e-107

Identities = 214/215 (99%), Gaps = 1/215 (0%)

Strand=Plus/Plus

Query 1659 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||||||||||||||||||||

Sbjct 1 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
 |||||||||||||||||

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
 |||||||||||||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
 |||||||||||||

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
 |||||||||||||||||

Sbjct 121 GTA-TCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 179
 |||||||||||||

Query 1839 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 1873
 |||||||||||||

Sbjct 180 TCGCGCCAGCCGAACTGTTGCCAGGCTCAAGGCG 214
>lcl|Amplicon_282 non-redundant amplicon of 18 matches

Length=214

Score = 379 bits (420), Expect = 8e-107

Identities = 214/215 (99%), Gaps = 1/215 (0%)

Strand=Plus/Plus

Query 1659 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||||||||

Sbjct 1 CTCACCTTGCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
 |||||||||

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAACATCGCATCG-GCGAGCAC 119

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 120 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 179

Query 1839 TCGCGCCAGCCGAACCTGTTGCCAGGGCTCAAGGCG 1873

||||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 180 TCGCGCCAGCCGAACCTGTTGCCAGGGCTCAAGGCG 214

>lcl|Amplicon_570 non-redundant amplicon of 1 matches

Length=215

Score = 379 bits (420), Expect = 8e-107

Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATCGGGCGGCTGCATA 1718

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 1 CTCACCTTGCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATCGGGCGGCTGCATA 60

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 1 CTCACCTTGCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATCGGGCGGCTGCATA 60

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778

||||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180

Query 1839 TCGCGCCAGCCGAACCTGTTGCCAGGGCTCAAGGCG 1873

||||||| ||||| ||||| |||||

Sbjct 181 TCGCGCCAGCCGAACCTGTTGCCAGGGCTCAAGGCG 215

>lcl|Amplicon_568 non-redundant amplicon of 1 matches

Length=215

Score = 379 bits (420), Expect = 8e-107

Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATCGGGCGGCTGCATA 1718

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 1 CTCACCTTGCCTGCCGAGAAAGTACCCATCATGGCTGATGCAATCGGGCGGCTGCATA 60

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTCAACCACCAAGCGAACATCGCATCGAGCGAGCAC 120

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180

Query 1839 TCGCGCCAGCCGAACCTGTTGCCAGGGCTCAAGGCG 1873

||||||| ||||| ||||| |||||

Sbjct 181 TCGCGCCAGCCGAACCTGTTGCCAGGGCTCAAGGCG 215

>lcl|Amplicon_566 non-redundant amplicon of 1 matches

Length=215

Score = 379 bits (420), Expect = 8e-107

Identities = 213/215 (99%), Gaps = 0/215 (0%)

Strand=Plus/Plus

Query 1659 CTCACCTTGCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATCGGGCGGCTGCATA 1718

||||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 1 CTCACCTTGCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATCGGGCGGCTGCATA 60

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778

||||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTCGTCCACCAAGCGAACATCGCATCGAGCGAGCAC 120

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838

||||||| ||||| ||||| ||||| ||||| |||||

Sbjct 121 GTACTCAGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180

Query 1839 TCGCGCCAGCCGAACCTGTTGCCAGGGCTCAAGGCG 1873

||||||| ||||| |||||

Sbjct 181 TCGCGCCAGCCGAACCTGTTGCCAGGGCTCAAGGCG 215

>lcl|Amplicon_347 non-redundant amplicon of 6 matches

Length=215

Score = 379 bits (420), Expect = 8e-107

Identities = 213/215 (99%), Gaps = 0/215 (0%)

Strand=Plus/Plus

Score = 379 bits (420), Expect = 8e-107

Identities = 213/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
 |||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
 |||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 180

Query 1839 TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG 1873
 |||||||

Sbjct 181 TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG 215
>lcl|Amplicon 393 non-redundant amplicon of 3 matches

Length=214

Score = 379 bits (420), Expect = 8e-107

Identities = 214/215 (99%), Gaps = 1/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
 |||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
 |||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 179

Query 1839 TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG 1873
 |||||||

Sbjct 180 TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAGGCG 214
>lcl|Amplicon 444 non-redundant amplicon of 2 matches

Length=218

Score = 378 bits (418), Expect = 3e-106

Identities = 215/218 (99%), Gaps = 3/218 (1%) Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTAT---CCATCATGGCTGATGCAATGCGCGGCTGC 1715
 |||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATTATCCATCATGGCTGATGCAATGCGCGGCTGC 60

Query 1716 ATACGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAG 1775
 |||||||

Sbjct 61 ATACGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAG 120

Query 1776 CACGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGG 1835
 |||||||

Sbjct 121 CACGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGG 180

Query 1836 GGCTCGCGCAGCCGAACGTGTTGCCAGGCTCAAGGCG 1873
 |||||||

Sbjct 181 GGCTCGCGCAGCCGAACGTGTTGCCAGGCTCAAGGCG 218
>lcl|Amplicon 754 non-redundant amplicon of 1 matches

Length=215

>lcl|Amplicon 754 non-redundant amplicon of 1 matches

Length=215

Score = 378 bits (418), Expect = 3e-106

Identities = 211/212 (99%), Gaps = 0/212 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
 |||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
 |||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAAGGGC 180

Query 1839 TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAG 1870
 |||||||

Sbjct 181 TCGCGCCAGCCGAACGTGTTGCCAGGCTCAAG 212
>lcl|Amplicon 309 non-redundant amplicon of 7 matches

Length=216

Score = 378 bits (418), Expect = 3e-106

Identities = 213/214 (99%), Gaps = 1/214 (0%)

Strand=Plus/Plus

Query 1661 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1720

Sbjct 3 CACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATACG 62
Query 1721 CTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGT 1780

Sbjct 63 CTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGT 122
Query 1781 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGCTC 1840

Sbjct 123 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGCTC 182
Query 1841 GCGCCAGCCG-AACTGTTGCCAGGCTCAAGGCG 1873

Sbjct 183 GCGCCAGCCGAAACTGTTGCCAGGCTCAAGGCG 216
>lcl|Amplicon 345 non-redundant amplicon of 3 matches
Length=214
Score = 376 bits (416), Expect = 1e-105
Identities = 213/215 (99%), Gaps = 1/215 (0%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 1718

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTAACCATCATGGCTGATGCAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCA-GGGC 179
Query 1839 TCGGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 1873
Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCA-GGGC 179
Query 1839 TCGGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 1873

Sbjct 180 TCGGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 214
>lcl|Amplicon 407 non-redundant amplicon of 3 matches
Length=214
Score = 376 bits (416), Expect = 1e-105
Identities = 212/213 (99%), Gaps = 1/213 (0%) Strand=Plus/Plus
Query 1661 CACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATACG 1720

Sbjct 3 CACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATACG 62
Query 1721 CTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCACGT 1780

Sbjct 63 CTTGATCCGGCTACCTGCCATTGACCACCA-GCGAAACATCGCATCGAGCGAGCACGT 121
Query 1781 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGCTC 1840

Sbjct 122 ACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGCTC 181
Query 1841 GCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 1873

Sbjct 182 GCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 214
>lcl|Amplicon 610 non-redundant amplicon of 1 matches
Length=215
Score = 374 bits (414), Expect = 4e-105
Identities = 212/215 (99%), Gaps = 0/215 (0%)
Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATGCAATGCGCGGCTGCATA 1718

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTGATACAATGCGCGGCTGCATA 60
Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAAGGGC 180
Query 1839 TCGGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 1873

Sbjct 181 TCGGCCAGCCGAACCTGTTGCCAGGCTCAAAGCG 215
>lcl|Amplicon 536 non-redundant amplicon of 1 matches
Length=215
Score = 374 bits (414), Expect = 4e-105
Identities = 214/216 (99%), Gaps = 2/216 (1%) Strand=Plus/Plus
Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATGGCTG-ATGCAATGCGCGGCTGCAT 1717

Sbjct 1 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCA-GGCTGAATGCAATGCGCGGCTGCAT 59
 Query 1718 ACGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCA 1777
 |||||||
 Sbjct 60 ACGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCA 119
 |||||||
 Sbjct 60 ACGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCA 119
 Query 1778 CGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGG 1837
 |||||||
 Sbjct 120 CGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGG 179
 Query 1838 CTCGCCAGCCGAACGTTCGCCAGGCTCAAGGCG 1873
 |||||||
 Sbjct 180 CTCGCCAGCCGAACGTTCGCCAGGCTCAAGGCG 215
 >lcl|Amplicon 356 non-redundant amplicon of 3 matches
 Length=215
 Score = 374 bits (414), Expect = 4e-105
 Identities = 212/215 (99%), Gaps = 0/215 (0%) Strand=Plus/Plus
 Query 1659 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||||
 Sbjct 1 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
 Query 1719 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
 |||||||
 Sbjct 61 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
 Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGG 1838
 |||||||
 Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 180
 Query 1839 TCGGCCAGCCGAACGTTCGCCAGGCTCAAGGCG 1873
 |||||||
 Sbjct 181 TCGGCCAGCCGAATTGTTGCCAGGCTCAAGGCG 215
 >lcl|Amplicon 221 non-redundant amplicon of 8 matches
 Length=214
 Score = 374 bits (414), Expect = 4e-105
 Identities = 212/214 (99%), Gaps = 1/214 (0%)
 Strand=Plus/Plus
 Query 1659 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||
 Sbjct 1 CTCGCCCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
 Query 1719 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
 |||||
 Sbjct 61 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
 Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
 |||||
 Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGAC-AAGAGCATCAGGGC 179
 Query 1839 TCGGCCAGCCGAACGTTCGCCAGGCTCAAGGC 1872
 |||||
 Sbjct 180 TCGGCCAGCCGAACGTTCGCCAGGCTCAAGGC 213
 >lcl|Amplicon 767 non-redundant amplicon of 1 matches
 Length=214
 Score = 370 bits (410), Expect = 4e-104
 Identities = 212/215 (99%), Gaps = 1/215 (0%) Strand=Plus/Plus
 Query 1659 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||
 Sbjct 1 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60 Query
 1659 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
 |||||
 Sbjct 1 CTCACCTGCTCCTGCCAGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
 Query 1719 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
 |||||
 Sbjct 61 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120
 Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
 |||||
 Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGATCA-GATGATCTGGACAAAAGCATCAAGGGC 179
 Query 1839 TCGGCCAGCCGAACGTTCGCCAGGCTCAAGGCG 1873
 |||||
 Sbjct 180 TCGGCCAGCCGAACGTTCGCCAGGCTCAAGGCG 214
 >lcl|Amplicon 480 non-redundant amplicon of 3 matches
 Length=215
 Score = 370 bits (410), Expect = 4e-104
 Identities = 211/215 (98%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 61 CGCTTGACCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC 1838
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGACCAGGATGACCTGGACGAAGAGCATCAGGGGC 180
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1839 TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 1873
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 181 TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 215
>[lcl|Amplicon 423 non-redundant amplicon of 7 matches](#)

Length=215

Score = 370 bits (410), Expect = 4e-104

Identities = 211/215 (98%), Gaps = 0/215 (0%)

Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 60
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGAGGAGGAAGCGAAACATCGCATCGAGCGAGCAC 120
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGACCAGGATGACATCTGGACGAAGAGCATCAGGGC 180
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1839 TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 1873
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 181 TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 215
>[lcl|Amplicon 784 non-redundant amplicon of 1 matches](#)

Length=217

Score = 367 bits (406), Expect = 5e-103

Identities = 213/217 (98%), Gaps = 2/217 (1%)

Length=217

Score = 367 bits (406), Expect = 5e-103

Identities = 213/217 (98%), Gaps = 2/217 (1%)

Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTAT-CCATCAT-GGCTGATGCAATGCGCGGCTGCA 1716
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 1 CTCACCTTGCTTGTGCCGAGAAAGTATTCCATCATTGGCTGATGCAATGCGCGGCTGCA 60
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1717 TACGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGC 1776
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 61 TACGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGC 120
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1777 ACGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGG 1836
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 121 ACGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGG 180
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1837 GCTCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 1873
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 181 GCTCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 217
>[lcl|Amplicon 63 non-redundant amplicon of 9 matches](#)

Length=215

Score = 365 bits (404), Expect = 2e-102

Identities = 210/215 (98%), Gaps = 0/215 (0%)

Strand=Plus/Plus

Query 1659 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA 1718
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 1 CTCACCTTGCTCCTGCCGAGAAAGTATCCATCCTGGCTGACGCACTGCGCGGCTGCATA 60
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1719 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 1778
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 61 CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC 120
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1779 GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC 1838
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 121 GTACTCGGATGGAAGCCGGTCTTGTGACCAGGACGATCTGGACGAAGAGCATCAGGGC 180
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Query 1839 TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 1873
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Sbjct 181 TCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGGCG 215
>[lcl|Amplicon 770 non-redundant amplicon of 1 matches](#)

Length=215

Score = 361 bits (400), Expect = 2e-101
 Identities = 209/215 (97%), Gaps = 0/215 (0%) Strand=Plus/Plus

Query	1659	CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATA	1718
Sbjct	1	CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGACTTGTGATCAGGATGATCTGGACCAATAGCATCAGGGC	180
Query	1839	TCGCGCCAGCCGAACGTTCGCCAGGCTCAAGGCG	1873
Sbjct	181	TCGCGCCAGCCGAACGTTCGCCAGACTCAAGGCG	215
Sbjct	181	TCGCGCCAGCCGAACGTTCGCCAGACTCAAGGCG	215

>lcl|Amplicon 8 non-redundant amplicon of 150 matches

Length=209

Score = 361 bits (400), Expect = 2e-101
 Identities = 209/215 (97%), Gaps = 6/215 (3%) Strand=Plus/Plus

Query	1659	CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATA	1718
Sbjct	1	CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC	1838
Sbjct	121	GTACTCGGATGGAAGCCGGACTTGTGATCAGGATGATC-----AAGAGCATCAGGGC	174
Query	1839	TCGCGCCAGCCGAACGTTCGCCAGGCTCAAGGCG	1873
Sbjct	175	TCGCGCCAGCCGAACGTTCGCCAGGCTCAAGGCG	209

>lcl|Amplicon 47 non-redundant amplicon of 6422 matches

Length=195

Score = 352 bits (390), Expect = 1e-98
 Identities = 195/195 (100%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCATCGTGGAAAAAGAACGTT	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCATCGTGGAAAAAGAACGTT	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCACATAC	1284
Sbjct	181	CACAATCCCACATAC	195

>lcl|Amplicon 765 non-redundant amplicon of 1 matches

Length=212

Score = 349 bits (386), Expect = 1e-97
 Identities = 210/216 (97%), Gaps = 4/216 (2%)
 Strand=Plus/Plus

Query	1658	TCTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCAT	1717
Sbjct	1	TCTCAC-TTGCTCTTGGCGAGAA-GTATCCATCATGGCTGATGCAATGCGGCG-CTGCAT	57
Query	1718	ACGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCGAGCA	1777
Sbjct	58	ACGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAA-CATCGCATCGAGCGAGCA	116
Query	1778	CGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGG	1837
Sbjct	117	CGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGG	176
Query	1778	CGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGG	1837
Sbjct	117	CGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGG	176
Query	1838	CTCGGCCAGCCGAACGTTCGCCAGGCTCAAGGCG	1873

Sbjct 177 CTCGCGCCAGCCGAACCTGTCGCCAGGCTCAAGGCG 212
>lcl|Amplicon_194 non-redundant amplicon of 40 matches
Length=195
Score = 349 bits (386), Expect = 1e-97
Identities = 193/193 (100%), Gaps = 0/193 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTA 1282
||||||||||||
Sbjct 181 CACAATCCCACTA 193
>lcl|Amplicon_152 non-redundant amplicon of 66 matches
Length=195
Score = 349 bits (386), Expect = 1e-97
Identities = 193/193 (100%), Gaps = 0/193 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTA 1282
||||||||||||
Sbjct 181 CACAATCCCACTA 193
>lcl|Amplicon_723 non-redundant amplicon of 2 matches
Length=195
Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon_644 non-redundant amplicon of 4 matches
Length=195
Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||
Sbjct 1 GCCCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
||||||||||||

Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon_593 non-redundant amplicon of 2 matches
Length=195
Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTATTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon_509 non-redundant amplicon of 4 matches
Length=195
Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTATTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon_97 non-redundant amplicon of 12 matches
Length=195
Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTATTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon_78 non-redundant amplicon of 6 matches
Length=195
Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||||||||||||||||||||
Sbjct 121 CAACCACGTATTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
||||||||||||
Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon_57 non-redundant amplicon of 14 matches

Length=195

>lcl|Amplicon_57 non-redundant amplicon of 14 matches

Length=195

Score = 347 bits (384), Expect = 5e-97

Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCCTACTATC 1284	
Sbjct	181	CACAATCCCCTACTATC 195	

>lcl|Amplicon_411 non-redundant amplicon of 10 matches

Length=195

Score = 347 bits (384), Expect = 5e-97

Identities = 194/195 (99%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCCTACTATC 1284	
Sbjct	181	CACAATCCCCTACTATC 195	

>lcl|Amplicon_136 non-redundant amplicon of 17 matches

Length=205

Score = 347 bits (384), Expect = 5e-97

Identities = 205/215 (95%), Gaps = 10/215 (5%) Strand=Plus/Plus

Query	1659	CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	1718
Sbjct	1	CTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGCGGCTGCATA	60
Query	1719	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	1778
Sbjct	61	CGCTTGATCCGGCTACCTGCCCATCGACCACCAAGCGAAACATCGCATCGAGCGAGCAC	120
Query	1779	GTACTCGGATGGAAGCCGGCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGC	1838
Sbjct	121	GTACTCGGATGGAAG-----CGATCAGGATGATCTGGACGAAGAGCATCAGGGGC	170
Query	1839	TCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873	
Query	1839	TCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 1873	
Sbjct	171	TCGCGCCAGCGAACTGTTGCCAGGCTCAAGGCG 205	

>lcl|Amplicon_346 non-redundant amplicon of 12 matches

Length=195

Score = 347 bits (384), Expect = 5e-97

Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCCTACTATC 1284	
Sbjct	181	CACAATCCCCTACTATC 195	

>lcl|Amplicon_339 non-redundant amplicon of 6 matches

Length=195

Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCACTATC	1284
Sbjct	181	CACAATCCCACTATC	195

>lcl|Amplicon_305 non-redundant amplicon of 6 matches

Length=195

Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCACTATC	1284
Sbjct	181	CACTATCCCACTATC	195

>lcl|Amplicon_739 non-redundant amplicon of 4 matches

Length=195

Score = 347 bits (384), Expect = 5e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCACTATC	1284
Sbjct	181	CACAATCCCACTATC	195

>lcl|Amplicon_292 non-redundant amplicon of 6 matches

Length=196

Score = 345 bits (382), Expect = 2e-96
Identities = 195/196 (99%), Gaps = 1/196 (1%)
Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCC-ACGAGGAGCATCGTGGAAAAGAACGTTC	1208
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1209	CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC	1268
Sbjct	121	CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC	180
Query	1269	GCACAATCCCACTATC	1284
Sbjct	181	GCACAATCCCACTATC	196

>lcl|Amplicon 301 non-redundant amplicon of 24 matches

Length=196

Score = 345 bits (382), Expect = 2e-96
 Identities = 195/196 (99%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	60
Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGG-AAAAAGAACGTT	1208
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	120
Query	1209	CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGAC	1268
Sbjct	121	CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGAC	180
Query	1269	GCACAATCCCACTATC 1284	
Sbjct	181	GCACAATCCCACTATC 196	

>lcl|Amplicon 296 non-redundant amplicon of 4 matches

Length=195

Score = 343 bits (380), Expect = 6e-96
 Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	120
Query	1210	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGAC	1269
Sbjct	121	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATAACTCCACTGACGTAAGGGATGAC	180
Query	1270	CACAATCCCACTATC 1284	
Sbjct	181	AACAATCCCACTATC 195	

>lcl|Amplicon 673 non-redundant amplicon of 4 matches

Length=195

Score = 343 bits (380), Expect = 6e-96
 Identities = 193/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	120
Query	1210	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGAC	1269
Sbjct	121	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGAC	180
Query	1270	CACAATCCCACTATC 1284	
Sbjct	181	CACAATCCCACTATC 195	

>lcl|Amplicon 500 non-redundant amplicon of 10 matches

Length=195

Score = 343 bits (380), Expect = 6e-96
 Identities = 193/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Score = 343 bits (380), Expect = 6e-96
 Identities = 193/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	120
Query	1210	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGAC	1269
Sbjct	121	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGAC	180

Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>[lcl|Amplicon 68 non-redundant amplicon of 12 matches](#)
Length=194
Score = 343 bits (380), Expect = 6e-96
Identities = 194/195 (99%), Gaps = 1/195 (1%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 119
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 120 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 180 CACAATCCCACTATC 194
>[lcl|Amplicon 201 non-redundant amplicon of 182 matches](#)
Length=195
Score = 343 bits (380), Expect = 6e-96
Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 AACAAATCCCACTATC 195
>[lcl|Amplicon_160 non-redundant amplicon of 7 matches](#)
Sbjct 181 AACAAATCCCACTATC 195
>[lcl|Amplicon_160 non-redundant amplicon of 7 matches](#)
Length=215
Score = 343 bits (380), Expect = 6e-96
Identities = 206/214 (96%), Gaps = 2/214 (1%) Strand=Plus/Plus
Query 1661 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCCGGCTGCATACG 1720
|||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 3 CACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCCGGCTCGATACG 62
Query 1721 CTTGATCCGGCTACCTGCCATTGACCAAGCGAAACATCGCATCGAGCGAGCACGT 1780
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 63 CTTGATCCGGCTACCTGCCATTG-CCACCAAGCGAAACATCGCATCGAGCGAGCACGT 121
Query 1781 ACTCGGATGGAAGCCGGCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGC-T 1839
|||||||||||||||||||||||||||||||||
Sbjct 122 ACTCGGATGGAAGCCGGCTAGTCGATCAGGATGATCTGGACGAAGAGCATCAGGGC 181
Query 1840 CGCGCCAGCGAACTGTTGCCAGGCTCAAGCG 1873
|||||||||||||||||||||||||
Sbjct 182 CGCGCCAGCGAACTGTTGCCAGGCTCAAGCG 215
>[lcl|Amplicon 735 non-redundant amplicon of 4 matches](#)
Length=195
Score = 343 bits (380), Expect = 6e-96
Identities = 194/195 (99%), Gaps = 1/195 (1%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCC-CACTAT 1283

Sbjct 181 CACAATCCGCACTAT 195
||||||| |||||

>lcl|Amplicon_674 non-redundant amplicon of 6 matches

Length=195

Score = 338 bits (374), Expect = 3e-94

Identities = 192/195 (98%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTGCCG 60

Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180

Query 1270 CACAATCCC ACTATC 1284

||||||| |||||

Sbjct 181 CACAATCCC ACTATC 195

>lcl|Amplicon_671 non-redundant amplicon of 2 matches

Length=195

Score = 338 bits (374), Expect = 3e-94

Identities = 192/195 (98%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTGCCG 60

Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 ACAGTGGTCCCAAAGACGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180

Query 1270 CACAATCCC ACTATC 1284

||||||| |||||

Sbjct 181 CACAATCCC ACTATC 195

>lcl|Amplicon_383 non-redundant amplicon of 18 matches

Length=195

Score = 338 bits (374), Expect = 3e-94

Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTGCCG 60

Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180

Query 1270 CACAATCCC ACTATC 1284

||||||| |||||

Sbjct 181 CACAATCCC ACTATC 195

>lcl|Amplicon_218 non-redundant amplicon of 8 matches

Length=195

Score = 338 bits (374), Expect = 3e-94

Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTACCG 60

Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120 Query

1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209

||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269

||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCC ACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCC ACTATC 195
>lcl|Amplicon 33 non-redundant amplicon of 2740 matches
Length=195
Score = 338 bits (374), Expect = 3e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|| |||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 1209
|||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCC ACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCC ACTATC 195
>lcl|Amplicon 93 non-redundant amplicon of 62 matches
Length=195
Score = 336 bits (372), Expect = 9e-94
Identities = 189/191 (99%), Gaps = 0/191 (0%)
Strand=Plus/Plus
Query 1094 CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAG 1153
|| |||||||||||||||||||||||||||||||||||||
Sbjct 5 CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCGACAG 64
Query 1154 TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTCCAAC 1213
|||||||||||||||||||||||||||||||||||||||
Sbjct 65 TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTCCAAC 124
Query 1214 CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 1273
|||||||||||||||||||||||||||||||||||||||
Sbjct 125 CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 184
Query 1274 ATCCC ACTATC 1284
|||||||||||||||
Sbjct 185 ATCCC ACTATC 195
>lcl|Amplicon 789 non-redundant amplicon of 76 matches
Length=195
Score = 334 bits (370), Expect = 3e-93
Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|| ||||||||||||| |||||||||||||||||||||||||
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|| ||||||||||||| |||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATAATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 1209
|||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCC ACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCC ACTATC 195
>lcl|Amplicon 786 non-redundant amplicon of 1 matches
Length=217
Score = 334 bits (370), Expect = 3e-93
Identities = 210/220 (95%), Gaps = 6/220 (3%) Strand=Plus/Plus
Query 1659 CTCACCTTGCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGGCTGCATA 1718
|||||||||||||||||||||||||||||||||||||||
Sbjct 1 CTCACCTTGCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGGCTGCATA 60
Query 1719 CGCTTGATCCGGTACCTGCCCATCGACCACCAAGCGAACATCGCATCGAGCGAGCAC 1778
|||||||||||||||||||||||||||||||
Sbjct 61 CGCTTGATCCGGTACCTGCCATTGACCACCAAGCGAACATCGCATCGAGCGAGCAC 120

Query 1779 G T A C T C - G G A T G G A A G G C G G -- T C T T G T C G A T C A G G A T G A T C T G G A C G A A G A G C A T C A G G 1835
Sbjct 121 G T A C T C G G G A T G G A A G G C G G G T C T G G T C G A T C A G G A T G A T C T G G A C G A A A A G C A T C A A G 180
Query 1836 G G C T C G C G C C A G C C G A C T G T T C G C C A G G C T C A A G G C G C G 1875
Sbjct 181 G G C T C G C G - C A G C C G A C T G T T C G - C A G G C T C A A - G C G C G 217
>lcl|Amplicon 577 non-redundant amplicon of 2 matches
Length=195
Score = 334 bits (370), Expect = 3e-93
Identities = 191/195 (98%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 G C T C C T A C A A A T G C C A T C A T T G C G A T A A A G G A A A G G C C A T C G T T G A A G A T G C C T C T G C C G 1149
Sbjct 1 G C A C C T A C A A A T G C C A T C A T T G C G A T A A A G G A A A G G C T A T C G T T C A A G A T G C C T C T G C C G 60
Query 1150 A C A G T G G T C C C A A A G A T G G A C C C C C A C C C A C G G A G G A C T C G T G G A A A A A G A A G A C G T T C 1209
Sbjct 61 A C A G T G G T C C C A A A G A T G G A C C C C C A C C C A C G G A G G A C T C G T G G A A A A A G A A G A C G T T C 120
Query 1210 C A A C C A C G T C T T C A A A G C A A G T G G A T T G A T G T G A T A T C T C C A C T G A C G T A A G G G A T G A C G 1269
Sbjct 121 C A A C C A C G T C T T C A A A G C A A G T G G A T T G A T G T G A T A T C T C C A C T G A C G T A A G G G A T G A C G 180
Query 1270 C A C A A T C C C A C T A T C 1284
Sbjct 181 C A C A A T C C C A C T A T C 195
>lcl|Amplicon 501 non-redundant amplicon of 2 matches
Length=195
Score = 334 bits (370), Expect = 3e-93
>lcl|Amplicon 501 non-redundant amplicon of 2 matches
Length=195
Score = 334 bits (370), Expect = 3e-93
Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 G C T C C T A C A A A T G C C A T C A T T G C G A T A A A G G A A A G G C C A T C G T T G A A G A T G C C T C T G C C G 1149
Sbjct 1 G C A C C T A C A A A T G C C A T C A T T G C G A A A A A G G A A A G G C T A T C G T T C A A G A T G C C T C T G C C G 60
Query 1150 A C A G T G G T C C C A A A G A T G G A C C C C C A C C C A C G G A G G A C T C G T G G A A A A A G A A G A C G T T C 1209
Sbjct 61 A C A G T G G T C C C A A A G A T G G A C C C C C A C C C A C G G A G G A C T C G T G G A A A A A G A A G A C G T T C 120
Query 1210 C A A C C A C G T C T T C A A A G C A A G T G G A T T G A T G T G A T A T C T C C A C T G A C G T A A G G G A T G A C G 1269
Sbjct 121 C A A C C A C G T C T T C A A A G C A A G T G G A T T G A T G T G A T A T C T C C A C T G A C G T A A G G G A T G A C G 180
Query 1270 C A C A A T C C C A C T A T C 1284
Sbjct 181 C A C A A T C C C A C T A T C 195
>lcl|Amplicon 273 non-redundant amplicon of 6 matches
Length=195
Score = 334 bits (370), Expect = 3e-93
Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 G C T C C T A C A A A T G C C A T C A T T G C G A T A A A G G A A A G G C C A T C G T T G A A G A T G C C T C T G C C G 1149
Sbjct 1 G C A C C T A C A A A T G C C A T C A T T G C G A T A A A G G A A A G N C T A T C G T T C A A G A T G C C T C T G C C G 60
Query 1150 A C A G T G G T C C C A A A G A T G G A C C C C C A C C C A C G G A G G A C T C G T G G A A A A A G A A G A C G T T C 1209
Sbjct 61 A C A G T G G T C C C A A A G A T G G A C C C C C A C C C A C G G A G G A C T C G T G G A A A A A G A A G A C G T T C 120
Query 1210 C A A C C A C G T C T T C A A A G C A A G T G G A T T G A T G T G A T A T C T C C A C T G A C G T A A G G G A T G A C G 1269
Sbjct 121 C A A C C A C G T C T T C A A A G C A A G T G G A T T G A T G T G A T A T C T C C A C T G A C G T A A G G G A T G A C G 180
Query 1270 C A C A A T C C C A C T A T C 1284
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Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
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Sbjct 1 G C A C C T A C A A A T G C C A T C A T T G C G A T A A A G G A A A G G C T A T C G T T C A A G A T G C C T C T G C C G 60
Query 1150 A C A G T G G T C C C A A A G A T G G A C C C C C A C C C A C G G A G G A C T C G T G G A A A A A G A A G A C G T T C 1209
Sbjct 61 A C A G T G G T C C C A A A G A T G G A C C C C C A C C C A C G G A G G A C T C G T G G A A A A A G A A G A C G T T C 120
Query 1210 C A A C C A C G T C T T C A A A G C A A G T G G A T T G A T G T G A T A T C T C C A C T G A C G T A A G G G A T G A C G 1269
Sbjct 121 C A A C C A C G T C T T C A A A G C A A G T G G A T T G A T G T G A T A T C T C C A C T G A C G T A A G G G A T G A C G 180
Query 1270 C A C A A T C C C A C T A T C 1284

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Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTCATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCC ACTATC 1284
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Sbjct 181 CACAATCCC ACTATC 195
Query 1270 CACAATCCC ACTATC 1284
      ||||||| |
Sbjct 181 CACAATCCC ACTATC 195
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Gapped
Lambda K H
0.625 0.410 0.780
Effective search space used: 203343478

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Query= P35S-bar

Length=1897

Sequences producing significant alignments:

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lcl Amplicon_723	347	4e-97
lcl Amplicon_644	347	4e-97
lcl Amplicon_593	347	4e-97
lcl Amplicon_509	347	4e-97
lcl Amplicon_97	347	4e-97
lcl Amplicon_78	347	4e-97
lcl Amplicon_57	347	4e-97
lcl Amplicon_411	347	4e-97
lcl Amplicon_346	347	4e-97
lcl Amplicon_339	347	4e-97
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lcl Amplicon_739	347	4e-97
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lcl Amplicon_353	333	1e-92
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lcl Amplicon_42	non-redundant amplicon of 18 matches	329	1e-91
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lcl Amplicon_166	non-redundant amplicon of 44 matches	327	4e-91
lcl Amplicon_18	non-redundant amplicon of 166 matches	327	4e-91
lcl Amplicon_670	non-redundant amplicon of 2 matches	325	1e-90
lcl Amplicon_465	non-redundant amplicon of 4 matches	325	1e-90
lcl Amplicon_245	non-redundant amplicon of 52 matches	325	1e-90
lcl Amplicon_138	non-redundant amplicon of 132 matches	325	1e-90
lcl Amplicon_125	non-redundant amplicon of 742 matches	325	1e-90
lcl Amplicon_714	non-redundant amplicon of 2 matches	324	5e-90
lcl Amplicon_630	non-redundant amplicon of 8 matches	324	5e-90
lcl Amplicon_598	non-redundant amplicon of 2 matches	324	5e-90
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lcl Amplicon_468	non-redundant amplicon of 2 matches	322	2e-89
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lcl Amplicon_317	non-redundant amplicon of 10 matches	318	2e-88
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lcl Amplicon_371	non-redundant amplicon of 6 matches	316	7e-88
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lcl Amplicon_489	non-redundant amplicon of 4 matches	286	1e-78
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lcl Amplicon_785	non-redundant amplicon of 2 matches	248	3e-67
lcl Amplicon_621	non-redundant amplicon of 10 matches	248	3e-67
lcl Amplicon_128	non-redundant amplicon of 54 matches	241	5e-65
lcl Amplicon_354	non-redundant amplicon of 5 matches	223	1e-59
lcl Amplicon_36	non-redundant amplicon of 2906 matches	221	4e-59
lcl Amplicon_458	non-redundant amplicon of 11 matches	221	4e-59
lcl Amplicon_261	non-redundant amplicon of 16 matches	221	4e-59
lcl Amplicon_119	non-redundant amplicon of 56 matches	221	4e-59
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lcl Amplicon_741	non-redundant amplicon of 2 matches	217	5e-58
lcl Amplicon_13	non-redundant amplicon of 2835 matches	217	5e-58
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lcl Amplicon_669	non-redundant amplicon of 1 matches	215	2e-57
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lcl Amplicon_694	non-redundant amplicon of 2 matches	214	6e-57
lcl Amplicon_666	non-redundant amplicon of 22 matches	214	6e-57
lcl Amplicon_592	non-redundant amplicon of 1 matches	214	6e-57
lcl Amplicon_476	non-redundant amplicon of 1 matches	214	6e-57
lcl Amplicon_469	non-redundant amplicon of 1 matches	214	6e-57
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lcl Amplicon_153	non-redundant amplicon of 25 matches	214	6e-57
lcl Amplicon_43	non-redundant amplicon of 9 matches	214	6e-57
lcl Amplicon_45	non-redundant amplicon of 597 matches	214	6e-57
lcl Amplicon_139	non-redundant amplicon of 84 matches	212	6e-57
lcl Amplicon_659	non-redundant amplicon of 1 matches	212	2e-56
lcl Amplicon_645	non-redundant amplicon of 2 matches	212	2e-56
lcl Amplicon_631	non-redundant amplicon of 4 matches	212	2e-56
lcl Amplicon_585	non-redundant amplicon of 3 matches	212	2e-56
lcl Amplicon_290	non-redundant amplicon of 3 matches	212	2e-56
lcl Amplicon_238	non-redundant amplicon of 44 matches	212	2e-56
lcl Amplicon_687	non-redundant amplicon of 2 matches	210	8e-56
lcl Amplicon_623	non-redundant amplicon of 1 matches	210	8e-56
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lcl Amplicon_454	non-redundant amplicon of 1 matches	210	8e-56
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lcl Amplicon_703	non-redundant amplicon of 4 matches	205	3e-54
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lcl Amplicon_697	non-redundant amplicon of 2 matches	205	3e-54
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lcl Amplicon_774	non-redundant amplicon of 1 matches	203	1e-53
lcl Amplicon_710	non-redundant amplicon of 2 matches	203	1e-53
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lcl Amplicon_545	non-redundant amplicon of 12 matches	196	2e-51
lcl Amplicon_321	non-redundant amplicon of 10 matches	196	2e-51
lcl Amplicon_318	non-redundant amplicon of 5 matches	179	1e-46
lcl Amplicon_457	non-redundant amplicon of 1 matches	170	7e-44
lcl Amplicon_721	non-redundant amplicon of 10 matches	168	2e-43
lcl Amplicon_376	non-redundant amplicon of 3 matches	163	1e-41
lcl Amplicon_722	non-redundant amplicon of 2 matches	163	1e-41
lcl Amplicon_629	non-redundant amplicon of 1 matches	161	4e-41
lcl Amplicon_490	non-redundant amplicon of 1 matches	161	4e-41
lcl Amplicon_202	non-redundant amplicon of 22 matches	159	1e-40
lcl Amplicon_373	non-redundant amplicon of 3 matches	156	2e-39
lcl Amplicon_602	non-redundant amplicon of 2 matches	152	2e-38
lcl Amplicon_23	non-redundant amplicon of 9 matches	150	6e-38
lcl Amplicon_14	non-redundant amplicon of 22510 matches	149	2e-37
lcl Amplicon_616	non-redundant amplicon of 4 matches	147	8e-37
lcl Amplicon_734	non-redundant amplicon of 4 matches	147	8e-37
lcl Amplicon_565	non-redundant amplicon of 4 matches	145	3e-36
lcl Amplicon_175	non-redundant amplicon of 134 matches	145	3e-36
lcl Amplicon_126	non-redundant amplicon of 778 matches	145	3e-36
lcl Amplicon_429	non-redundant amplicon of 8 matches	143	1e-35
lcl Amplicon_672	non-redundant amplicon of 2 matches	143	1e-35
lcl Amplicon_579	non-redundant amplicon of 2 matches	143	1e-35
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lcl Amplicon_129	non-redundant amplicon of 9 matches	141	3e-35
lcl Amplicon_667	non-redundant amplicon of 28 matches	140	1e-34
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lcl Amplicon_69	non-redundant amplicon of 12 matches	140	1e-34
lcl Amplicon_374	non-redundant amplicon of 6 matches	140	1e-34
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lcl Amplicon_330	non-redundant amplicon of 18 matches	140	1e-34
lcl Amplicon_51	non-redundant amplicon of 1198 matches	140	1e-34
lcl Amplicon_624	non-redundant amplicon of 1 matches	138	4e-34
lcl Amplicon_728	non-redundant amplicon of 1 matches	138	4e-34
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lcl Amplicon_696	non-redundant amplicon of 1 matches	138	4e-34
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lcl Amplicon_16	non-redundant amplicon of 2860 matches	138	4e-34

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lcl Amplicon_505	non-redundant amplicon of 1 matches	136	1e-33
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lcl Amplicon_515	non-redundant amplicon of 1 matches	134	5e-33
lcl Amplicon_477	non-redundant amplicon of 1 matches	134	5e-33
lcl Amplicon_288	non-redundant amplicon of 6 matches	134	5e-33
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lcl Amplicon_319	non-redundant amplicon of 10 matches	134	5e-33
lcl Amplicon_120	non-redundant amplicon of 108 matches	134	5e-33
lcl Amplicon_231	non-redundant amplicon of 30 matches	134	5e-33
lcl Amplicon_737	non-redundant amplicon of 2 matches	134	5e-33
lcl Amplicon_140	non-redundant amplicon of 93 matches	134	5e-33
lcl Amplicon_46	non-redundant amplicon of 641 matches	134	5e-33
lcl Amplicon_620	non-redundant amplicon of 2 matches	132	2e-32
lcl Amplicon_255	non-redundant amplicon of 11 matches	132	2e-32
lcl Amplicon_606	non-redundant amplicon of 1 matches	132	2e-32
lcl Amplicon_464	non-redundant amplicon of 1 matches	132	2e-32
lcl Amplicon_658	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_762	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_729	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_726	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_708	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_702	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_689	non-redundant amplicon of 2 matches	131	6e-32
lcl Amplicon_685	non-redundant amplicon of 2 matches	131	6e-32
lcl Amplicon_677	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_663	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_632	non-redundant amplicon of 4 matches	131	6e-32
lcl Amplicon_596	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_539	non-redundant amplicon of 1 matches	131	6e-32
lcl Amplicon_81	non-redundant amplicon of 3 matches	131	6e-32
lcl Amplicon_412	non-redundant amplicon of 5 matches	131	6e-32
lcl Amplicon_334	non-redundant amplicon of 3 matches	131	6e-32
lcl Amplicon_19	non-redundant amplicon of 1106 matches	131	6e-32
lcl Amplicon_308	non-redundant amplicon of 3 matches	131	6e-32
lcl Amplicon_743	non-redundant amplicon of 2 matches	131	6e-32
lcl Amplicon_625	non-redundant amplicon of 1 matches	129	2e-31
lcl Amplicon_506	non-redundant amplicon of 1 matches	129	2e-31
lcl Amplicon_462	non-redundant amplicon of 1 matches	129	2e-31
lcl Amplicon_121	non-redundant amplicon of 63 matches	129	2e-31
lcl Amplicon_738	non-redundant amplicon of 2 matches	129	2e-31
lcl Amplicon_379	non-redundant amplicon of 3 matches	127	7e-31
lcl Amplicon_362	non-redundant amplicon of 6 matches	127	7e-31
lcl Amplicon_600	non-redundant amplicon of 1 matches	127	7e-31
lcl Amplicon_478	non-redundant amplicon of 1 matches	127	7e-31
lcl Amplicon_203	non-redundant amplicon of 17 matches	127	7e-31
lcl Amplicon_155	non-redundant amplicon of 13 matches	127	7e-31
lcl Amplicon_164	non-redundant amplicon of 10 matches	127	7e-31

lcl Amplicon_204	non-redundant amplicon of 28 matches	127	7e-31
lcl Amplicon_141	non-redundant amplicon of 87 matches	127	7e-31
lcl Amplicon_782	non-redundant amplicon of 2 matches	125	3e-30
lcl Amplicon_497	non-redundant amplicon of 2 matches	125	3e-30
lcl Amplicon_17	non-redundant amplicon of 1781 matches	125	3e-30
lcl Amplicon_377	non-redundant amplicon of 6 matches	123	9e-30
lcl Amplicon_232	non-redundant amplicon of 19 matches	122	3e-29
lcl Amplicon_17	non-redundant amplicon of 1781 matches	125	3e-30
lcl Amplicon_377	non-redundant amplicon of 6 matches	123	9e-30
lcl Amplicon_232	non-redundant amplicon of 19 matches	122	3e-29
lcl Amplicon_619	non-redundant amplicon of 2 matches	120	1e-28
lcl Amplicon_586	non-redundant amplicon of 13 matches	120	1e-28
lcl Amplicon_165	non-redundant amplicon of 10 matches	120	1e-28
lcl Amplicon_123	non-redundant amplicon of 50 matches	120	1e-28
lcl Amplicon_642	non-redundant amplicon of 3 matches	120	1e-28
lcl Amplicon_495	non-redundant amplicon of 1 matches	114	5e-27
lcl Amplicon_205	non-redundant amplicon of 17 matches	114	5e-27
lcl Amplicon_552	non-redundant amplicon of 1 matches	111	6e-26
lcl Amplicon_15	non-redundant amplicon of 1787 matches	109	2e-25
lcl Amplicon_618	non-redundant amplicon of 2 matches	104	8e-24
lcl Amplicon_122	non-redundant amplicon of 50 matches	104	8e-24
lcl Amplicon_326	non-redundant amplicon of 9 matches	104	8e-24
lcl Amplicon_132	non-redundant amplicon of 9 matches	102	3e-23
lcl Amplicon_355	non-redundant amplicon of 8 matches	100	1e-22
lcl Amplicon_492	non-redundant amplicon of 2 matches	96.9	1e-21
lcl Amplicon_551	non-redundant amplicon of 1 matches	91.5	5e-20
lcl Amplicon_491	non-redundant amplicon of 2 matches	91.5	5e-20
lcl Amplicon_574	non-redundant amplicon of 8 matches	89.7	2e-19
lcl Amplicon_24	non-redundant amplicon of 9 matches	87.8	6e-19
lcl Amplicon_133	non-redundant amplicon of 18 matches	80.6	1e-16
lcl Amplicon_130	non-redundant amplicon of 27 matches	78.8	3e-16
lcl Amplicon_182	non-redundant amplicon of 20 matches	75.2	4e-15
lcl Amplicon_185	non-redundant amplicon of 33 matches	75.2	4e-15
lcl Amplicon_422	non-redundant amplicon of 3 matches	66.2	2e-12
lcl Amplicon_206	non-redundant amplicon of 22 matches	60.8	9e-11

>[lcl|Amplicon_47 non-redundant amplicon of 6422 matches](#)

Length=195

Score = 352 bits (390), Expect = 1e-98

Identities = 195/195 (100%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct 1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query 1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct 61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query 1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct 121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query 1270	CACAATCCCACATC	1284
Sbjct 181	CACAATCCCACATC	195

>[lcl|Amplicon_194 non-redundant amplicon of 40 matches](#)

Length=195

Score = 349 bits (386), Expect = 1e-97

Identities = 193/193 (100%), Gaps = 0/193 (0%)

Strand=Plus/Plus

Query 1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct 1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query 1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct 61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query 1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269 Sbjct 61
Query 1210	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query 1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct 121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180

Query 1270 CACAATCCCACTA 1282
|||||||||||||
Sbjct 181 CACAATCCCACTA 193
>[lcl|Amplicon 152 non-redundant amplicon of 66 matches](#)
Length=195
Score = 349 bits (386), Expect = 1e-97
Identities = 193/193 (100%), Gaps = 0/193 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTA 1282
|||||||||||||
Sbjct 181 CACAATCCCACTA 193
>[lcl|Amplicon 723 non-redundant amplicon of 2 matches](#)
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
|||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>[lcl|Amplicon 644 non-redundant amplicon of 4 matches](#)
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|| | |||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCCCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|| | |||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCCCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
|||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>[lcl|Amplicon 593 non-redundant amplicon of 2 matches](#)
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|| | |||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180

Query 1270 CACAATCCCACTATC 1284
| |||||||
Sbjct 181 CTCAATCCCACTATC 195
>lcl|Amplicon 509 non-redundant amplicon of 4 matches
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
| |||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
| |||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
| |||||||
Sbjct 121 CAACCACGTATTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
| |||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 97 non-redundant amplicon of 12 matches
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
| |||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
| |||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
| |||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
| |||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 78 non-redundant amplicon of 6 matches Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
| |||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
| |||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
| |||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
| |||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 57 non-redundant amplicon of 14 matches
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
| |||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
| |||||||
Sbjct 61 ACAGTGGTCCCAAAGAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
| |||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180

Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon_411 non-redundant amplicon of 10 matches
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 411 non-redundant amplicon of 10 matches
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 346 non-redundant amplicon of 12 matches
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 339 non-redundant amplicon of 6 matches
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 305 non-redundant amplicon of 6 matches
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCC ACTATC 1284
|||||
Sbjct 181 CACTATCCC ACTATC 195
>lcl|Amplicon 739 non-redundant amplicon of 4 matches
Length=195
Score = 347 bits (384), Expect = 4e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 1209
|||||
Sbjct 61 ACAGTTGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCC ACTATC 1284
|||||
Sbjct 181 CACAATCCC ACTATC 195
>lcl|Amplicon 292 non-redundant amplicon of 6 matches
Length=196
Score = 345 bits (382), Expect = 2e-96
Identities = 195/196 (99%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCC-ACGAGGAGCATCGTGGAAAAAGAACGTT 1208
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120 Query
1150 ACAGTGGTCCCAAAGATGGACCCCCACCC-ACGAGGAGCATCGTGGAAAAAGAACGTT 1208
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120
Query 1209 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1268
|||||
Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1269 GCACAATCCC ACTATC 1284
|||||
Sbjct 181 GCACAATCCC ACTATC 196
>lcl|Amplicon 301 non-redundant amplicon of 24 matches
Length=196
Score = 345 bits (382), Expect = 2e-96
Identities = 195/196 (99%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGG-AAAAAGAACGTT 1208
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120
Query 1209 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1268
|||||
Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1269 GCACAATCCC ACTATC 1284
|||||
Sbjct 181 GCACAATCCC ACTATC 196
>lcl|Amplicon 296 non-redundant amplicon of 4 matches
Length=195
Score = 343 bits (380), Expect = 5e-96
Identities = 193/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 1209
|||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATAACTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTACTAC 1284
|||
Sbjct 181 ACAAAATCCCCTACTAC 195
>lcl|Amplicon 673 non-redundant amplicon of 4 matches
Length=195
Score = 343 bits (380), Expect = 5e-96
Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTACTAC 1284
|||
Sbjct 181 CACAATCCCCTACTAC 195
>lcl|Amplicon 500 non-redundant amplicon of 10 matches
Length=195
Score = 343 bits (380), Expect = 5e-96
Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTACTAC 1284
|||
Sbjct 181 CACAATCCCCTACTAC 195
>lcl|Amplicon 68 non-redundant amplicon of 12 matches
Length=194
Score = 343 bits (380), Expect = 5e-96
Identities = 194/195 (99%), Gaps = 1/195 (1%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCA-CGTGGAAAAGAACGTTC 119
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||
Sbjct 120 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
Query 1270 CACAATCCCCTACTAC 1284
|||
Sbjct 180 CACAATCCCCTACTAC 194
>lcl|Amplicon 201 non-redundant amplicon of 182 matches
Length=195
Score = 343 bits (380), Expect = 5e-96
>lcl|Amplicon 201 non-redundant amplicon of 182 matches
Length=195
Score = 343 bits (380), Expect = 5e-96
Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60

Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1209
|||||

Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
|||||

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
|||||

Query 1270 CACAATCCC ACTATC 1284
|||||

Sbjct 181 ACAATCCC ACTATC 195
>lcl|Amplicon 735 non-redundant amplicon of 4 matches

Length=195

Score = 343 bits (380), Expect = 5e-96

Identities = 194/195 (99%), Gaps = 1/195 (1%) Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
|||||

Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1209
|||||

Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
|||||

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
|||||

Query 1270 CACAATCC-CACTAT 1283
|||||

Sbjct 181 CACAATCCGCACTAT 195
>lcl|Amplicon 674 non-redundant amplicon of 6 matches

Length=195

Score = 338 bits (374), Expect = 2e-94

Identities = 192/195 (98%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTCAAGATGCCTCTGCCG 60
|||||

Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1209
|||||

Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
|||||

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
|||||

Query 1270 CACAATCCC ACTATC 1284
|||||

Sbjct 181 ACAATCCC ACTATC 195
Query 1270 ACAATCCC ACTATC 1284
|||||

Sbjct 181 ACAATCCC ACTATC 195
>lcl|Amplicon 671 non-redundant amplicon of 2 matches

Length=195

Score = 338 bits (374), Expect = 2e-94

Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTCAAGATGCCTCTGCCG 60
|||||

Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1209
|||||

Sbjct 61 ACAGTGGTCCAAAGACGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
|||||

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
|||||

Query 1270 CACAATCCC ACTATC 1284
|||||

Sbjct 181 ACAATCCC ACTATC 195
>lcl|Amplicon 383 non-redundant amplicon of 18 matches

Length=195

Score = 338 bits (374), Expect = 2e-94

Identities = 192/195 (98%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
|||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTCAAGATGCCTCTGCCG 60
|||||

Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1209
|||||

Sbjct 61 ACAGTGGTCCAAAGACGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
|||||

Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
|||||

Sbjct 181 ACAATCCC ACTATC 195
Query 1270 ACAATCCC ACTATC 1284
|||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
 |||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
 |||||||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 1270 CACAATCCCACTATC 1284
 |||||||
 Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon 218 non-redundant amplicon of 8 matches

Length=195

Score = 338 bits (374), Expect = 2e-94
 Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
 |||||||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTACCG 60
 Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
 |||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
 |||||||
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
 |||||||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1270 CACAATCCCACTATC 1284
 |||||||
 Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon 33 non-redundant amplicon of 2740 matches

Length=195

Score = 338 bits (374), Expect = 2e-94
 Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
 |||||||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
 |||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
 |||||||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1270 CACAATCCCACTATC 1284
 |||||||
 Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon 93 non-redundant amplicon of 62 matches

Length=195

Score = 336 bits (372), Expect = 8e-94
 Identities = 189/191 (99%), Gaps = 0/191 (0%)
 Strand=Plus/Plus
 Query 1094 CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCGACAG 1153
 |||||||
 Sbjct 5 CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCGACAG 64
 Query 1154 TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCAC 1213
 |||||||
 Sbjct 65 TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCAC 124
 Query 1214 CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 1273
 |||||||
 Sbjct 125 CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 184
 Query 1274 ATCCCACTATC 1284
 |||||||
 Sbjct 185 ATCCCACTATC 195

>lcl|Amplicon 789 non-redundant amplicon of 76 matches

Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
 |||||||
 Sbjct 1 GCACCTACAAATGCCATAATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209

Sbjct 1	GCACCTACAAATGCCATAATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCCTCTGCCG	60
Query 1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTTC	1209
Sbjct 61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTTC	120
Query 1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct 121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query 1270	CACAATCCCCTACTATC 1284	
Sbjct 181	CACAATCCCCTACTATC 195	

>lcl|Amplicon 577 non-redundant amplicon of 2 matches

Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 1090	GCTCCTACAAATGCCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTCTGCCG	1149
Sbjct 1	GCACCTACAAATGCCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCCTCTGCCG	60
Query 1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTTC	1209
Sbjct 61	ACAGTGGTCCCAAAGATGGACCCCCACCCACAGGAGCATCGTGGAAAAGAAGACGTTTC	120
Query 1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct 121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query 1270	CACAATCCCCTACTATC 1284	
Sbjct 181	CACAATCCCCTACTATC 195	

>lcl|Amplicon 501 non-redundant amplicon of 2 matches

Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query 1090	GCTCCTACAAATGCCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTCTGCCG	1149
Sbjct 1	GCACCTACAAATGCCATTGCGAAAAAGGAAAGGCTATCGTTCAAGATGCCCTCTGCCG	60
Query 1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTTC	1209
Sbjct 61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTTC	120
Query 1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct 121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query 1270	CACAATCCCCTACTATC 1284	
Sbjct 181	CACAATCCCCTACTATC 195	

>lcl|Amplicon 273 non-redundant amplicon of 6 matches

Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 1090	GCTCCTACAAATGCCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTCTGCCG	1149
Sbjct 1	GCACCTACAAATGCCATTGCGATAAAGGAAAGNCTATCGTTCAAGATGCCCTCTGCCG	60
Query 1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTTC	1209
Sbjct 61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTTTC	120
Query 1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct 121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query 1270	CACAATCCCCTACTATC 1284	
Sbjct 181	CACAATCCCCTACTATC 195	

>lcl|Amplicon 90 non-redundant amplicon of 6 matches Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 1090	GCTCCTACAAATGCCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTCTGCCG	1149

Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 1209
 |||||||
 Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
 |||||||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1270 CACAATCCCACTATC 1284
 |||||||
 Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon 71 non-redundant amplicon of 8 matches

Length=194

Score = 334 bits (370), Expect = 3e-93
 Identities = 192/195 (98%), Gaps = 1/195 (1%)
 Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
 |||||||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 1209
 |||||||
 Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACGCACGAGGAGCA-CGTGGAAAACAAGAACGTTTC 119
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
 |||||||
 Sbjct 120 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
 Query 1270 CACAATCCCACTATC 1284
 |||||||
 Sbjct 180 CACAATCCCACTATC 194

>lcl|Amplicon 67 non-redundant amplicon of 48 matches
Length=195>lcl|Amplicon 67 non-redundant amplicon of 48 matches
Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 1209
 |||
 Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
 |||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1270 CACAATCCCACTATC 1284
 |||
 Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon 428 non-redundant amplicon of 8 matches
Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCCTGCCG 60
 Query 1150 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 1209
 |||
 Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
 |||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1270 CACAATCCCACTATC 1284
 |||
 Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon 200 non-redundant amplicon of 112 matches

Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 190/193 (98%), Gaps = 0/193 (0%)
 Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1149
 |||

Sbjct	1	GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCCTA 1282	
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCCTA 1282	
Sbjct	181	CACAATCCCCTA 193	

>lcl|Amplicon 327 non-redundant amplicon of 12 matches

Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCCTA 1284	
Sbjct	181	CACAATCCCCTA 195	

>lcl|Amplicon 50 non-redundant amplicon of 308 matches

Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTACCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAACATCGTGGAAAAGAACGCTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCCTA 1284	
Sbjct	181	CACAATCCCCTA 195	

>lcl|Amplicon 12 non-redundant amplicon of 4816 matches

Length=195

Score = 334 bits (370), Expect = 3e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCCTA 1284	
Sbjct	181	CACAATCCCCTA 195	

>lcl|Amplicon 279 non-redundant amplicon of 28 matches

Length=196

Score = 333 bits (368), Expect = 1e-92
 Identities = 192/196 (98%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGA-TGCCTCTGCC	1148

Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGAATGCCTCTGCC 60
Query 1149 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTT 1208
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTT 120
Query 1209 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1268
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1269 GCACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 GCACAATCCCACTATC 196
>lcl|Amplicon 353 non-redundant amplicon of 6 matches
Length=196
Score = 333 bits (368), Expect = 1e-92
Identities = 192/196 (98%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAA-GGCCATCGTTGAAGATGCCTCTGCC 1148
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAAGGCTATCGTTCAAGAATGCCTCTGCC 60
Query 1149 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTT 1208
||||||||||||||||||||||||||||||||
Sbjct 61 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTT 120
Query 1209 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1268
||||||||||||||||||||||||||||||||
Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1269 GCACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 GCACAATCCCACTATC 196
>lcl|Amplicon 564 non-redundant amplicon of 4 matches
Length=195
Score = 331 bits (366), Expect = 3e-92
Identities = 190/195 (97%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCC 1149
||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGAATGCCTCTGCC 60 Query
1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCC 1149
||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGAATGCCTCTGCC 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTT 1209
||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCNCAGGAGCATCGTGAAAAAGAAGACGTT 120
Query 1210 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1269
||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGAC 180
Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 174 non-redundant amplicon of 78 matches
Length=194
Score = 331 bits (366), Expect = 3e-92
Identities = 191/195 (98%), Gaps = 1/195 (1%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCC 1149
||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGAATGC-TCTGCC 59
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTT 1209
||||||||||||||||||||||||||||
Sbjct 60 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTT 119
Query 1210 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1269
||||||||||||||||||||||||
Sbjct 120 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 179
Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 180 CACAATCCCACTATC 194
>lcl|Amplicon 615 non-redundant amplicon of 4 matches
Length=195
Score = 329 bits (364), Expect = 1e-91
Identities = 190/195 (97%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCC 1149

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCATCGTGGAAAAGAAGACGTTC 1209
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCATCGTGGAAAAGAAGACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTACT 1284
Sbjct 181 CACAATCCCCTACT 195

>lcl|Amplicon 266 non-redundant amplicon of 178 matches

Length=195

Score = 329 bits (364), Expect = 1e-91
Identities = 190/195 (97%), Gaps = 0/195 (0%)

Length=195

Score = 329 bits (364), Expect = 1e-91
Identities = 190/195 (97%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCCTCTGCCG 1149
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCCTCTACCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCATCGTGGAAAAGAAGACGTTC 1209
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGAACATCGTGGAAAAGAAGACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTACT 1284
Sbjct 181 CACAATCCCCTACT 195

>lcl|Amplicon 42 non-redundant amplicon of 18 matches

Length=195

Score = 329 bits (364), Expect = 1e-91
Identities = 190/195 (97%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCCTCTGCCG 1149
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCATCGTGGAAAAGAAGACGTTC 1209
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCATCGTGGAAAAGAAGACGTCC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTACT 1284
Sbjct 181 CACAATCCCCTACT 195

>lcl|Amplicon 358 non-redundant amplicon of 12 matches

Length=192

Score = 327 bits (362), Expect = 4e-91
Identities = 192/195 (98%), Gaps = 3/195 (2%) Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCCTCTGCCG 1149
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCAT-GTTGAAGATGCCCTCTGCCG 59
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCATCGTGGAAAAGAAGACGTTC 1209
Sbjct 60 ACAGTGGTCCCAAAGATGGACCCCCACCCACGGAGCAT-GTGGAAAAGAAGACGTTC 118
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
Sbjct 119 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCT-CACTGACGTAAGGGATGACG 177
Query 1270 CACAATCCCCTACT 1284
Sbjct 178 CACAATCCCCTACT 192
Sbjct 178 CACAATCCCCTACT 192

>lcl|Amplicon 503 non-redundant amplicon of 2 matches

Length=196

Score = 327 bits (362), Expect = 4e-91

Identities = 191/196 (97%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
 ||||||| ||||||| ||||||| ||||||| ||||||| ||||| ||||| ||||| |||||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
 ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGG-ATGAC 1268
 ||||||| ||||||| ||||||| ||||||| |||||||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
 Query 1269 GCACAATCCCACTATC 1284
 |||||||
 Sbjct 181 GCACAATCCCACTATC 196

>[lcl|Amplicon 166 non-redundant amplicon of 44 matches](#)

Length=195

Score = 327 bits (362), Expect = 4e-91

Identities = 187/191 (98%), Gaps = 0/191 (0%)

Strand=Plus/Plus

Query 1094 CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAG 1153
 ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
 Sbjct 5 CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCGACAG 64
 Query 1154 TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCAC 1213
 ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
 Sbjct 65 TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCAC 124
 Query 1214 CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 1273
 ||||||| ||||||| ||||||| |||||||
 Sbjct 125 CACGTCTCAAAGCAAGTGGATTGATGTGATACTTCCACTGACGTAAGGGATGACGCACA 184
 Query 1274 ATCCCACTATC 1284
 |||||||
 Sbjct 185 ATCCCACTATC 195

>[lcl|Amplicon 18 non-redundant amplicon of 166 matches](#)

Length=195

Score = 327 bits (362), Expect = 4e-91

Identities = 187/191 (98%), Gaps = 0/191 (0%) Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
 ||||||| ||||||| ||||||| ||||||| ||||||| ||||| ||||| |||||
 Sbjct 1 GCCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
 ||||||| ||||||| ||||||| ||||||| |||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 1269
 ||||||| ||||||| ||||||| |||||||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG
 ||||||| ||||||| |||||||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 1270 CACAATCCCACT 1280
 |||||||
 Sbjct 181 CACAATCCCACT 191

>[lcl|Amplicon 670 non-redundant amplicon of 2 matches](#)

Length=195

Score = 325 bits (360), Expect = 1e-90

Identities = 190/195 (97%), Gaps = 1/195 (1%) Strand=Plus/Plus

Query 1091 CTCCTA-CAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
 ||||| ||||||| ||||||| ||||||| ||||||| ||||| ||||| |||||
 Sbjct 1 CTCCTAGCAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
 Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
 ||||||| ||||||| ||||||| ||||||| |||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 1269
 ||||||| ||||||| |||||||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 1270 CACAATCCCACTATC 1284
 |||||||
 Sbjct 181 CACAATCCCACTATC 195

>[lcl|Amplicon 465 non-redundant amplicon of 4 matches](#)

Length=195

Score = 325 bits (360), Expect = 1e-90

Identities = 189/195 (97%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCACCTACCAATGCCATCATTGCGATAAAGGAAAGGCTATCGTAAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCC ACTATC 1284	
Sbjct	181	CACAATCCC ACTATC 195	

>[lcl|Amplicon 245 non-redundant amplicon of 52 matches](#)

Length=197

Score = 325 bits (360), Expect = 1e-90

Identities = 191/197 (97%), Gaps = 2/197 (1%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGAT--GCCTCTGC	1147
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTGCCTCTGC	60
Query	1148	CGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGT	1207
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTGCCTCTGC	60
Query	1148	CGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGT	1207
Sbjct	61	CGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGT	120
Query	1208	TCCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGA	1267
Sbjct	121	TCCAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGA	180
Query	1268	CGCACAATCCC ACTATC 1284	
Sbjct	181	CGCACAATCCC ACTATC 197	

>[lcl|Amplicon 138 non-redundant amplicon of 132 matches](#)

Length=195

Score = 325 bits (360), Expect = 1e-90

Identities = 189/195 (97%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCC ACTATC 1284	
Sbjct	181	CACAATCCC ACTATC 195	

>[lcl|Amplicon 125 non-redundant amplicon of 742 matches](#)

Length=195

Score = 325 bits (360), Expect = 1e-90

Identities = 189/195 (97%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCC ACTATC 1284	
Sbjct	181	CACAATCCC ACTATC 195	

>[lcl|Amplicon 714 non-redundant amplicon of 2 matches](#)

Length=195

Score = 324 bits (358), Expect = 5e-90

Identities = 188/194 (97%), Gaps = 0/194 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
Identities = 188/194 (97%), Gaps = 0/194 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTGAAGATAAGCCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTAT 1283
|||||||||||||||
Sbjct 181 CACAATCCCCTAT 194
>[lcl|Amplicon 630 non-redundant amplicon of 8 matches](#)
Length=195
Score = 324 bits (358), Expect = 5e-90
Identities = 188/194 (97%), Gaps = 0/194 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTACCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAAACATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGAGATATCTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTAT 1283
|||||||||||||||
Sbjct 181 CACAATCCCCTAT 194
>[lcl|Amplicon 598 non-redundant amplicon of 2 matches](#)
Length=195
Score = 324 bits (358), Expect = 5e-90
Identities = 188/194 (97%), Gaps = 0/194 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTACCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAAACATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATTCCACTGACGTAAGGGATGACG 180
Query 1270 CACAATCCCCTAT 1283
|||||||||||||||
Sbjct 181 CACAATCCCCTAT 194
>[lcl|Amplicon 268 non-redundant amplicon of 190 matches](#)
Length=196
>[lcl|Amplicon 268 non-redundant amplicon of 190 matches](#)
Length=196
Score = 324 bits (358), Expect = 5e-90
Identities = 190/196 (97%), Gaps = 1/196 (1%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGA-TGCCTCTGCC 1148
|||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGAATGCCTCTACCG 60
Query 1149 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1208
|||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAAACATCGTGGAAAAGAACGTTC 120
Query 1209 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1268
|||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1269 GCACAATCCCCTAT 1284
|||||||||||||||
Sbjct 181 GCACAATCCCCTAT 196
>[lcl|Amplicon 468 non-redundant amplicon of 2 matches](#)
Length=195
Score = 322 bits (356), Expect = 2e-89

Identities = 187/193 (97%), Gaps = 0/193 (0%)

Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCAAGATGCCTCTACCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCACTA	1282
Sbjct	181	CACAATCCCACTA	193

>[lcl|Amplicon 328 non-redundant amplicon of 18 matches](#)

Length=194

Score = 322 bits (356), Expect = 2e-89

Identities = 189/195 (97%), Gaps = 1/195 (1%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCACCTACAAATGCCATCATTGCGATAA-GGAAAGGCTATCGTTCAAGATGCCTCTGCCG	59
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	60	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	119
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	120	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	179
Query	1270	CACAATCCCACTATC	1284
Query	1270	CACAATCCCACTATC	1284
Sbjct	180	CACAATCCCACTATC	194

>[lcl|Amplicon 740 non-redundant amplicon of 4 matches](#)

Length=194

Score = 322 bits (356), Expect = 2e-89

Identities = 189/195 (97%), Gaps = 1/195 (1%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTCCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAACATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	C-ACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	179
Query	1270	CACAATCCCACTATC	1284
Sbjct	180	CACAATCCCTCTATC	194

>[lcl|Amplicon 372 non-redundant amplicon of 6 matches](#)

Length=195

Score = 320 bits (354), Expect = 6e-89

Identities = 188/195 (96%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCAAGATCTCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGTATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCCACTATC	1284
Sbjct	181	CACAATCCCACTATC	195

>[lcl|Amplicon 760 non-redundant amplicon of 2 matches](#)

Length=196

Score = 318 bits (352), Expect = 2e-88

Identities = 189/196 (96%), Gaps = 1/196 (1%)

Strand=Plus/Plus

Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTTC-AAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1268 Sbjct
61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTTC-AAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1268
|||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGAC 180
Query 1269 GCACAATCCCACTATC 1284
|||||
Sbjct 181 GCACAATCCCACTATC 196

>lcl|Amplicon 751 non-redundant amplicon of 2 matches

Length=195

Score = 318 bits (352), Expect = 2e-88
Identities = 187/194 (96%), Gaps = 0/194 (0%) Strand=Plus/Plus
Query 1091 CTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1150
|||||
Sbjct 2 CTCTTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATCTCTGCCG 61
Query 1151 CAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1210
|||||
Sbjct 62 CAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 121
Query 1211 AACACACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1270
|||||
Sbjct 122 AACACACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 181
Query 1271 ACAATCCCACTATC 1284
|||||
Sbjct 182 ACAATCCCACTATC 195

>lcl|Amplicon 162 non-redundant amplicon of 20 matches

Length=196

Score = 318 bits (352), Expect = 2e-88
Identities = 189/196 (96%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGG-ATGAC 1268
|||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATACTCCACTGACGTAAGGGATGAC 180
Query 1269 GCACAATCCCACTATC 1284
|||||
Sbjct 181 GCACAATCCCACTATC 196

>lcl|Amplicon 317 non-redundant amplicon of 10 matches

Length=196

Score = 318 bits (352), Expect = 2e-88
Identities = 189/196 (96%), Gaps = 1/196 (1%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGA-TGCCCTGCC 1148
|||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGAATGCCCTTAC 60
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGA-TGCCCTGCC 1148
|||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGAATGCCCTTAC 60
Query 1149 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1208
|||||
Sbjct 61 GACAGTGGTCCCAAAGATGTACCCCCACCCACGAGGAAACATCGTGGAAAAGAACGTTC 120
Query 1209 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1268
|||||
Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1269 GCACAATCCCACTATC 1284
|||||
Sbjct 181 GCACAATCCCACTATC 196

>lcl|Amplicon 459 non-redundant amplicon of 2 matches

Length=195

Score = 316 bits (350), Expect = 7e-88
Identities = 187/195 (96%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAAATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGATCCCCACCCACGAGGAGCATCGTGGAAAAGGAGACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1269
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATCTCACATCTCCACTGACGTAAGGGATGACG	180
Query	1270	CACAATCCC ACTATC 1284	
Sbjct	181	CACAATCCC ACTATC 195	

>lcl|Amplicon 371 non-redundant amplicon of 6 matches

Length=196

Score = 316 bits (350), Expect = 7e-88
Identities = 190/196 (97%), Gaps = 3/196 (2%)
Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1210	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCC-ACTGACGTAAGGGATGAC	1268
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCTACTGACGTAAGGGATGAC	180
Query	1269	GCAC-AATCCC-ACTA 1282	
Sbjct	181	GCACTAATCCCTACTA 196	

>lcl|Amplicon 766 non-redundant amplicon of 4 matches

Length=195

Score = 315 bits (348), Expect = 3e-87
Identities = 185/192 (96%), Gaps = 0/192 (0%)
Strand=Plus/Plus

Score = 315 bits (348), Expect = 3e-87
Identities = 185/192 (96%), Gaps = 0/192 (0%)
Strand=Plus/Plus

Query	1093	CCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCGACA	1152
Sbjct	4	CCACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCGACA	63
Query	1153	GTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1212
Sbjct	64	GTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	123
Query	1213	CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1272
Sbjct	124	CCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	183
Query	1273	AATCCC ACTATC 1284	
Sbjct	184	AATCCC ACTATC 195	

>lcl|Amplicon 289 non-redundant amplicon of 6 matches

Length=195

Score = 313 bits (346), Expect = 9e-87
Identities = 184/191 (96%), Gaps = 0/191 (0%) Strand=Plus/Plus

Query	1094	CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCGACAG	1153
Sbjct	5	CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCGACAG	64
Query	1154	TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1213
Sbjct	65	TGGTCCCAAAGATGGACCCCCACCCACTAGGAGCATCGTGGAAAAGAACGTTC	124
Query	1214	CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1273
Sbjct	125	CACGTCTCAAAGCAAGTGGATTGATGTGATCTCCACTGACGTAAGGGATGACG	184
Query	1274	ATCCC ACTATC 1284	
Sbjct	185	ATCCC ACTATC 195	

>lcl|Amplicon_780 non-redundant amplicon of 2 matches

Length=198

Score = 306 bits (338), Expect = 1e-84
 Identities = 188/198 (95%), Gaps = 3/198 (2%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCC--CCCACGA-GGAGCATCGTGGAAAAAGAACG	1206
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCCACGAAGGAGCATCGTGGAAAAAGAACG	120
Query	1207	TTCCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATG	1266
Sbjct	121	TTCCAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATG	180
Query	1267	ACGCACAATCCCACTATC 1284	
Sbjct	181	ACGCACAATCCCACTATC 198	

>lcl|Amplicon_758 non-redundant amplicon of 2 matches

Sbjct 181 ACGCACAATCCCACTATC 198

>lcl|Amplicon_758 non-redundant amplicon of 2 matches

Length=196

Score = 306 bits (338), Expect = 1e-84
 Identities = 186/196 (95%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCC-CACCCACGAGGAGCATCGTGGAAAAAGAACGTT	1208
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCCACCGAGGAGCATCGGGAAAAAGAACGTT	120
Query	1209	CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC	1268
Sbjct	121	CCAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGAC	180
Query	1269	GCACAATCCCACTATC 1284	
Sbjct	181	GCACAATCCCACTATC 196	

>lcl|Amplicon_375 non-redundant amplicon of 6 matches

Length=198

Score = 289 bits (320), Expect = 1e-79
 Identities = 183/193 (95%), Gaps = 5/193 (3%)
 Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCC-AAAGATGGACCCCCACCCACGAGGAGCATCGTGG-AAAAAGAACGTT	1207
Sbjct	61	ACAGTGGTCCCAAAGATGGANCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	120
Query	1208	TCCAA-CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACT-GACGTAAGGGAT	1265
Sbjct	121	TCCAACCCACGTCTCAAAGCAAGTGGATTGATGTGATATCTNCCCTGGNCGT-ANGGAT	179
Query	1266	GACGCACAATCCC 1278	
Sbjct	180	GACGCACAATCCC 192	

>lcl|Amplicon_576 non-redundant amplicon of 2 matches

Length=212

Score = 289 bits (320), Expect = 1e-79
 Identities = 189/212 (89%), Gaps = 17/212 (8%) Strand=Plus/Plus

Query	1090	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1149
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTTGAAGATGCCTCTGCCG	60
Query	1150	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	1209
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT	120
Query	1210	CAACCACGTCTC-----AAAGCAAGTGGATTGATGTGATATCTCCAC	1252
Sbjct	121	CAACCACGTCTCAAACCGGGTGGCAGGTAAAGCAAGTGGATTGATGTGACATCTCCAC	180
Sbjct	121	CAACCACGTCTCAAACCGGGTGGCAGGTAAAGCAAGTGGATTGATGTGACATCTCCAC	180
Query	1253	TGACGTAAGGGATGACGCACAATCCCACTATC 1284	

Sbjct 181 TGACGTAAGGGATGACGCACAATCCCACTATC 212
>lcl|Amplicon_489 non-redundant amplicon of 4 matches
Length=235
Score = 286 bits (316), Expect = 1e-78
Identities = 158/158 (100%), Gaps = 0/158 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATC 1247
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATC 158
Score = 73.4 bits (80), Expect = 1e-14
Identities = 40/40 (100%), Gaps = 0/40 (0%)
Strand=Plus/Plus
Query 1245 ATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATC 1284
||||||||||||||||||||||||||||||||||||
Sbjct 196 ATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATC 235
>lcl|Amplicon_131 non-redundant amplicon of 36 matches
Length=245
Score = 260 bits (288), Expect = 5e-71
Identities = 183/209 (88%), Gaps = 0/209 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||| |||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTACCT 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
| ||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ATAGTGGTCCCAAAGATGGACCCCCACCCATGAGGAGCATGGTAGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||| |||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATCTCCAATGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATCCTTCGCAAGACCT 1298
||||||||||||||| ||||| |||||
Sbjct 181 TCAAATCCCACTATCCTTGCAAGATCCT 209
>lcl|Amplicon_22 non-redundant amplicon of 18 matches
Length=195
Score = 257 bits (284), Expect = 6e-70
Identities = 174/195 (89%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||| |||||||||||||||||||||||||
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||||||||||||||||||| |||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTACCT 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
| ||||||||||||||||||||||||||||||||||||||
Sbjct 61 ATAGTGGTCCCAAAGATGGACCCCCACCCATGAGGAGCATGGTAGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
||||||| |||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATCTCCAATGACGTAAGGGATGACG 180
Query 1270 CACAATCCCACTATC 1284
|||||||||||||||
Sbjct 181 TCAAATCCCACTATC 195
>lcl|Amplicon_785 non-redundant amplicon of 2 matches
Length=190
Score = 248 bits (274), Expect = 3e-67
Identities = 176/195 (90%), Gaps = 5/195 (3%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
||| ||||||||||||||||||||| ||| ||||| ||| |||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAAGAA-GGCTATCATTCAAGATCTCTGCCG 59
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1209
||||||||||| ||| |||||||||||||||||||||||||||||
Sbjct 60 ACAGTGGTCCCAAAGAATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 119
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269

Sbjct 120 C-ACCACGTCTTC-AAGCAAGTGGAAATGATGTGACATCT-CACTGACGTAA-GGATGACG 175
Query 1270 CACAATCCC ACTATC 1284
|||||
Sbjct 176 CACCATCCC ACTATC 190
>lcl|Amplicon 621 non-redundant amplicon of 10 matches
Length=170
Score = 248 bits (274), Expect = 3e-67
Identities = 170/195 (87%), Gaps = 25/195 (13%)
Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCA-CGTTGAAGATGCCTCTGCCG 59
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
|||||
Sbjct 60 ACAGTGGTCCA--GATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 117
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||
Sbjct 118 CAACCACGTCTCAAAG-----CCACTGACGTAAGGGATGACG 155
Query 1270 CACAATCCC ACTATC 1284
|||||
Sbjct 156 CACAATCCC ACTATC 170
>lcl|Amplicon 128 non-redundant amplicon of 54 matches
Length=195
Score = 248 bits (274), Expect = 3e-67
>lcl|Amplicon 128 non-redundant amplicon of 54 matches
Length=195
Score = 248 bits (274), Expect = 3e-67
Identities = 172/195 (88%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1090 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1149
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGTGATAAAGGAAAGGCTATCATTGAAGATGCCTCTACCT 60
Query 1150 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1209
| |||||
Sbjct 61 ATAGTGGTCCAAGATGGACCCCCACCCATGAGGAGCATGGTAGAAAAAGAACGTTC 120
Query 1210 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1269
|||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGGATCCTCCAATGATGTCAAGGGATGATG 180
Query 1270 CACAATCCC ACTATC 1284
|||||
Sbjct 181 TCAAATCCC ACTATC 195
>lcl|Amplicon 354 non-redundant amplicon of 5 matches
Length=170
Score = 241 bits (266), Expect = 5e-65
Identities = 133/133 (100%), Gaps = 0/133 (0%) Strand=Plus/Plus
Query 1037 CCATTGCCAGCTATCTGCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTA 1096
|||||
Sbjct 38 CCATTGCCAGCTATCTGCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTA 97
Query 1097 CAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAGTGG 1156
|||||
Sbjct 98 CAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAGTGG 157
Query 1157 TCCCAAAGATGGA 1169
|||||
Sbjct 158 TCCCAAAGATGGA 170
>lcl|Amplicon 36 non-redundant amplicon of 2906 matches
Length=123
Score = 223 bits (246), Expect = 1e-59
Identities = 123/123 (100%), Gaps = 0/123 (0%)
Strand=Plus/Plus
Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
|||||
Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCC ACTATCCTCGCAAGACCCCTCCTCTATATAAGGAAGTTCATTTCATTTGGAGA 1332
|||||
Sbjct 61 AATCCC ACTATCCTCGCAAGACCCCTCCTCTATATAAGGAAGTTCATTTCATTTGGAGA 120
Query 1333 GGA 1335
|||
Sbjct 121 GGA 123

>lcl|Amplicon_458 non-redundant amplicon of 11 matches

Length=123

Score = 221 bits (244), Expect = 4e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%)

Strand=Plus/Plus

Score = 221 bits (244), Expect = 4e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus

Query 1214 CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 1273

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 2 CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 61

Query 1274 ATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 1333

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 62 ATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 121

Query 1334 GA 1335

||

Sbjct 122 GA 123

>lcl|Amplicon_261 non-redundant amplicon of 16 matches

Length=123

Score = 221 bits (244), Expect = 4e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus

Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272

||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 1273 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 1332

||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 120

Query 1333 GG 1334

||

Sbjct 121 GG 122

>lcl|Amplicon_119 non-redundant amplicon of 56 matches

Length=122

Score = 221 bits (244), Expect = 4e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%)

Strand=Plus/Plus

Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272

||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 1273 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 1332

||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 120

Query 1333 GG 1334

||

Sbjct 121 GG 122

>lcl|Amplicon_249 non-redundant amplicon of 392 matches

Length=123

Score = 221 bits (244), Expect = 4e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus

Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272

||||||||||||||||||||||||||||||||||||||

Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 1273 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 1332

||||||||||||||||||||||||||||||||||

Sbjct 61 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 120

Query 1273 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 1332

||||||||||||||||||||||||||||||

Sbjct 61 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 120

Query 1333 GG 1334

||

Sbjct 121 GG 122

>lcl|Amplicon_178 non-redundant amplicon of 69 matches

Length=123

Score = 221 bits (244), Expect = 4e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus

Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272

||||||||||||||||||||||||||||||

Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 1273 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 1332

||||||||||||||||||||||||||

Sbjct 61 AATCCCCTACTCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGAG 120

Query 1333 GG 1334
||
Sbjct 121 GG 122
>[lcl|Amplicon 712 non-redundant amplicon of 1 matches](#)
Length=123
Score = 219 bits (242), Expect = 2e-58
Identities = 121/121 (100%), Gaps = 0/121 (0%)
Strand=Plus/Plus
Query 1215 ACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAA 1274
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 3 ACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAA 62
Query 1275 TCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGG 1334
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 63 TCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGG 122
Query 1335 A 1335
|
Sbjct 123 A 123
>[lcl|Amplicon 484 non-redundant amplicon of 1 matches](#)
Length=123
Score = 219 bits (242), Expect = 2e-58
Identities = 121/121 (100%), Gaps = 0/121 (0%) Strand=Plus/Plus
Query 1213 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGA 1332
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGA 120
Query 1333 G 1333
|
Sbjct 121 G 121
Sbjct 121 G 121
>[lcl|Amplicon 226 non-redundant amplicon of 5 matches](#)
Length=123
Score = 219 bits (242), Expect = 2e-58
Identities = 121/121 (100%), Gaps = 0/121 (0%) Strand=Plus/Plus
Query 1213 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGA 1332
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGA 120
Query 1333 G 1333
|
Sbjct 121 G 121
>[lcl|Amplicon 48 non-redundant amplicon of 966 matches](#)
Length=123
Score = 219 bits (242), Expect = 2e-58
Identities = 121/121 (100%), Gaps = 0/121 (0%) Strand=Plus/Plus
Query 1213 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGA 1332
||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGA 120
Query 1333 G 1333
|
Sbjct 121 G 121
>[lcl|Amplicon 442 non-redundant amplicon of 2 matches](#)
Length=123
Score = 217 bits (240), Expect = 5e-58
Identities = 122/123 (99%), Gaps = 0/123 (0%)
Strand=Plus/Plus
Query 1213 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGA 1332
||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTTGAGAGA 120
Query 1333 GGA 1335

|||
Sbjct 121 GGA 123
>lcl|Amplicon_724 non-redundant amplicon of 1 matches
Length=123
Score = 217 bits (240), Expect = 5e-58
Identities = 122/123 (99%), Gaps = 0/123 (0%)
Strand=Plus/Plus
Score = 217 bits (240), Expect = 5e-58
Identities = 122/123 (99%), Gaps = 0/123 (0%) Strand=Plus/Plus
Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 1332
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1333 GGA 1335
|||
Sbjct 121 GGA 123
>lcl|Amplicon_681 non-redundant amplicon of 2 matches
Length=123
Score = 217 bits (240), Expect = 5e-58
Identities = 122/123 (99%), Gaps = 0/123 (0%) Strand=Plus/Plus
Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTTAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 1332
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1333 GGA 1335
|||
Sbjct 121 GGA 123
>lcl|Amplicon_678 non-redundant amplicon of 1 matches
Length=123
Score = 217 bits (240), Expect = 5e-58
Identities = 122/123 (99%), Gaps = 0/123 (0%)
Strand=Plus/Plus
Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTCTAACAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 1332
||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1333 GGA 1335
|||
Sbjct 121 GGA 123
>lcl|Amplicon_594 non-redundant amplicon of 1 matches
Length=123
Score = 217 bits (240), Expect = 5e-58
Identities = 122/123 (99%), Gaps = 0/123 (0%) Strand=Plus/Plus
Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCTC 60
Query 1273 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 1332
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1273 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 1332
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1333 GGA 1335
|||
Sbjct 121 GGA 123
>lcl|Amplicon_79 non-redundant amplicon of 3 matches Length=123
Score = 217 bits (240), Expect = 5e-58
Identities = 122/123 (99%), Gaps = 0/123 (0%) Strand=Plus/Plus
Query 1213 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1272
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1273 AATCCCACTATCCTTCGCAAGACCCTCCTCTATATAAGGAAGTTCATTCATTGGAGA 1332
||||||||||||||||||||||||||||||||||||||||||||

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Sbjct 61 AATCCCACTATCCTCGCAAGACCCTTCCTCTATAAGGAAGTCATTGAGA 120
Query 1333 GGA 1335
    ||
Sbjct 121 GGA 123
Lambda K H
0.634 0.408 0.912
Gapped
Lambda K H
0.625 0.410 0.780
Effective search space used: 180024712

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Query= P35S-pat1

Length=2830

Sequences producing significant alignments:

	Score (Bits)	E Value
lcl Amplicon_104	379	1e-106
lcl Amplicon_108	370	6e-104
lcl Amplicon_47	352	2e-98
lcl Amplicon_194	349	2e-97
lcl Amplicon_152	349	2e-97
lcl Amplicon_723	347	6e-97
lcl Amplicon_644	347	6e-97
lcl Amplicon_593	347	6e-97
lcl Amplicon_509	347	6e-97
lcl Amplicon_97	347	6e-97
lcl Amplicon_78	347	6e-97
lcl Amplicon_57	347	6e-97
lcl Amplicon_411	347	6e-97
lcl Amplicon_346	347	6e-97
lcl Amplicon_339	347	6e-97
lcl Amplicon_305	347	6e-97
lcl Amplicon_739	347	6e-97
lcl Amplicon_292	345	2e-96
lcl Amplicon_301	345	2e-96
lcl Amplicon_296	343	8e-96
lcl Amplicon_673	343	8e-96
lcl Amplicon_500	343	8e-96
lcl Amplicon_301	345	2e-96
lcl Amplicon_296	343	8e-96
lcl Amplicon_673	343	8e-96
lcl Amplicon_500	343	8e-96
lcl Amplicon_68	343	8e-96
lcl Amplicon_201	343	8e-96
lcl Amplicon_735	343	8e-96
lcl Amplicon_674	338	3e-94
lcl Amplicon_671	338	3e-94
lcl Amplicon_383	338	3e-94
lcl Amplicon_218	338	3e-94
lcl Amplicon_33	338	3e-94
lcl Amplicon_93	336	1e-93
lcl Amplicon_789	334	4e-93
lcl Amplicon_577	334	4e-93
lcl Amplicon_501	334	4e-93
lcl Amplicon_273	334	4e-93
lcl Amplicon_90	334	4e-93
lcl Amplicon_71	334	4e-93
lcl Amplicon_67	334	4e-93
lcl Amplicon_428	334	4e-93
lcl Amplicon_200	334	4e-93
lcl Amplicon_327	334	4e-93
lcl Amplicon_50	334	4e-93
lcl Amplicon_12	334	4e-93
lcl Amplicon_279	333	1e-92
lcl Amplicon_353	333	1e-92
lcl Amplicon_564	331	5e-92
lcl Amplicon_174	331	5e-92
lcl Amplicon_615	329	2e-91
lcl Amplicon_266	329	2e-91
lcl Amplicon_42	329	2e-91
lcl Amplicon_358	327	6e-91

lcl Amplicon_503	non-redundant amplicon of 2 matches	327	6e-91
lcl Amplicon_166	non-redundant amplicon of 44 matches	327	6e-91
lcl Amplicon_18	non-redundant amplicon of 166 matches	327	6e-91
lcl Amplicon_670	non-redundant amplicon of 2 matches	325	2e-90
lcl Amplicon_465	non-redundant amplicon of 4 matches	325	2e-90
lcl Amplicon_245	non-redundant amplicon of 52 matches	325	2e-90
lcl Amplicon_138	non-redundant amplicon of 132 matches	325	2e-90
lcl Amplicon_125	non-redundant amplicon of 742 matches	325	2e-90
lcl Amplicon_714	non-redundant amplicon of 2 matches	324	7e-90
lcl Amplicon_630	non-redundant amplicon of 8 matches	324	7e-90
lcl Amplicon_598	non-redundant amplicon of 2 matches	324	7e-90
lcl Amplicon_268	non-redundant amplicon of 190 matches	324	7e-90
lcl Amplicon_468	non-redundant amplicon of 2 matches	322	3e-89
lcl Amplicon_328	non-redundant amplicon of 18 matches	322	3e-89
lcl Amplicon_740	non-redundant amplicon of 4 matches	322	3e-89
lcl Amplicon_372	non-redundant amplicon of 6 matches	320	9e-89
lcl Amplicon_760	non-redundant amplicon of 2 matches	318	3e-88
lcl Amplicon_751	non-redundant amplicon of 2 matches	318	3e-88
lcl Amplicon_162	non-redundant amplicon of 20 matches	318	3e-88
lcl Amplicon_317	non-redundant amplicon of 10 matches	318	3e-88
lcl Amplicon_459	non-redundant amplicon of 2 matches	316	1e-87
lcl Amplicon_371	non-redundant amplicon of 6 matches	316	1e-87
lcl Amplicon_766	non-redundant amplicon of 4 matches	315	4e-87
lcl Amplicon_289	non-redundant amplicon of 6 matches	313	1e-86
lcl Amplicon_780	non-redundant amplicon of 2 matches	306	2e-84
lcl Amplicon_758	non-redundant amplicon of 2 matches	306	2e-84
lcl Amplicon_313	non-redundant amplicon of 7 matches	306	2e-84
lcl Amplicon_375	non-redundant amplicon of 6 matches	289	2e-79
lcl Amplicon_576	non-redundant amplicon of 2 matches	289	2e-79
lcl Amplicon_489	non-redundant amplicon of 4 matches	286	2e-78
lcl Amplicon_447	non-redundant amplicon of 4 matches	282	2e-77
lcl Amplicon_105	non-redundant amplicon of 183 matches	269	1e-73
lcl Amplicon_131	non-redundant amplicon of 36 matches	260	7e-71
lcl Amplicon_109	non-redundant amplicon of 45 matches	260	7e-71
lcl Amplicon_22	non-redundant amplicon of 18 matches	257	9e-70
lcl Amplicon_785	non-redundant amplicon of 2 matches	248	5e-67
lcl Amplicon_621	non-redundant amplicon of 10 matches	248	5e-67
lcl Amplicon_22	non-redundant amplicon of 18 matches	257	9e-70
lcl Amplicon_785	non-redundant amplicon of 2 matches	248	5e-67
lcl Amplicon_621	non-redundant amplicon of 10 matches	248	5e-67
lcl Amplicon_128	non-redundant amplicon of 54 matches	248	5e-67
lcl Amplicon_354	non-redundant amplicon of 5 matches	241	7e-65
lcl Amplicon_36	non-redundant amplicon of 2906 matches	223	2e-59
lcl Amplicon_458	non-redundant amplicon of 11 matches	221	7e-59
lcl Amplicon_261	non-redundant amplicon of 16 matches	221	7e-59
lcl Amplicon_119	non-redundant amplicon of 56 matches	221	7e-59
lcl Amplicon_249	non-redundant amplicon of 392 matches	221	7e-59
lcl Amplicon_178	non-redundant amplicon of 69 matches	221	7e-59
lcl Amplicon_712	non-redundant amplicon of 1 matches	219	2e-58
lcl Amplicon_484	non-redundant amplicon of 1 matches	219	2e-58
lcl Amplicon_226	non-redundant amplicon of 5 matches	219	2e-58
lcl Amplicon_48	non-redundant amplicon of 966 matches	219	2e-58
lcl Amplicon_442	non-redundant amplicon of 2 matches	217	8e-58
lcl Amplicon_724	non-redundant amplicon of 1 matches	217	8e-58
lcl Amplicon_681	non-redundant amplicon of 2 matches	217	8e-58
lcl Amplicon_678	non-redundant amplicon of 1 matches	217	8e-58
lcl Amplicon_594	non-redundant amplicon of 1 matches	217	8e-58
lcl Amplicon_79	non-redundant amplicon of 3 matches	217	8e-58
lcl Amplicon_463	non-redundant amplicon of 1 matches	217	8e-58
lcl Amplicon_91	non-redundant amplicon of 3 matches	217	8e-58
lcl Amplicon_98	non-redundant amplicon of 6 matches	217	8e-58
lcl Amplicon_300	non-redundant amplicon of 3 matches	217	8e-58
lcl Amplicon_58	non-redundant amplicon of 7 matches	217	8e-58
lcl Amplicon_332	non-redundant amplicon of 3 matches	217	8e-58
lcl Amplicon_9	non-redundant amplicon of 3 matches	217	8e-58
lcl Amplicon_306	non-redundant amplicon of 3 matches	217	8e-58
lcl Amplicon_741	non-redundant amplicon of 2 matches	217	8e-58
lcl Amplicon_13	non-redundant amplicon of 2835 matches	217	8e-58
lcl Amplicon_695	non-redundant amplicon of 1 matches	215	3e-57
lcl Amplicon_669	non-redundant amplicon of 1 matches	215	3e-57
lcl Amplicon_664	non-redundant amplicon of 1 matches	215	3e-57

lcl Amplicon_662	non-redundant amplicon of 1 matches	215	3e-57
lcl Amplicon_661	non-redundant amplicon of 6 matches	215	3e-57
lcl Amplicon_656	non-redundant amplicon of 1 matches	215	3e-57
lcl Amplicon_297	non-redundant amplicon of 22 matches	215	3e-57
lcl Amplicon_510	non-redundant amplicon of 2 matches	215	3e-57
lcl Amplicon_504	non-redundant amplicon of 1 matches	215	3e-57
lcl Amplicon_675	non-redundant amplicon of 1 matches	214	1e-56
lcl Amplicon_378	non-redundant amplicon of 3 matches	214	1e-56
lcl Amplicon_781	non-redundant amplicon of 1 matches	214	1e-56
lcl Amplicon_733	non-redundant amplicon of 1 matches	214	1e-56
lcl Amplicon_718	non-redundant amplicon of 1 matches	214	1e-56
lcl Amplicon_715	non-redundant amplicon of 1 matches	214	1e-56
lcl Amplicon_694	non-redundant amplicon of 2 matches	214	1e-56
lcl Amplicon_666	non-redundant amplicon of 22 matches	214	1e-56
lcl Amplicon_592	non-redundant amplicon of 1 matches	214	1e-56
lcl Amplicon_476	non-redundant amplicon of 1 matches	214	1e-56
lcl Amplicon_469	non-redundant amplicon of 1 matches	214	1e-56
lcl Amplicon_287	non-redundant amplicon of 6 matches	214	1e-56
lcl Amplicon_153	non-redundant amplicon of 25 matches	214	1e-56
lcl Amplicon_43	non-redundant amplicon of 9 matches	214	1e-56
lcl Amplicon_45	non-redundant amplicon of 597 matches	214	1e-56
lcl Amplicon_139	non-redundant amplicon of 84 matches	214	1e-56
lcl Amplicon_659	non-redundant amplicon of 1 matches	212	3e-56
lcl Amplicon_645	non-redundant amplicon of 2 matches	212	3e-56
lcl Amplicon_631	non-redundant amplicon of 4 matches	212	3e-56
lcl Amplicon_585	non-redundant amplicon of 3 matches	212	3e-56
lcl Amplicon_290	non-redundant amplicon of 3 matches	212	3e-56
lcl Amplicon_238	non-redundant amplicon of 44 matches	212	3e-56
lcl Amplicon_687	non-redundant amplicon of 2 matches	210	1e-55
lcl Amplicon_623	non-redundant amplicon of 1 matches	210	1e-55
lcl Amplicon_514	non-redundant amplicon of 1 matches	210	1e-55
lcl Amplicon_454	non-redundant amplicon of 1 matches	210	1e-55
lcl Amplicon_340	non-redundant amplicon of 3 matches	210	1e-55
lcl Amplicon_732	non-redundant amplicon of 4 matches	208	4e-55
lcl Amplicon_730	non-redundant amplicon of 2 matches	208	4e-55
lcl Amplicon_727	non-redundant amplicon of 1 matches	208	4e-55
lcl Amplicon_732	non-redundant amplicon of 4 matches	208	4e-55
lcl Amplicon_730	non-redundant amplicon of 2 matches	208	4e-55
lcl Amplicon_727	non-redundant amplicon of 1 matches	208	4e-55
lcl Amplicon_711	non-redundant amplicon of 2 matches	208	4e-55
lcl Amplicon_699	non-redundant amplicon of 4 matches	208	4e-55
lcl Amplicon_691	non-redundant amplicon of 4 matches	208	4e-55
lcl Amplicon_668	non-redundant amplicon of 4 matches	208	4e-55
lcl Amplicon_467	non-redundant amplicon of 1 matches	208	4e-55
lcl Amplicon_460	non-redundant amplicon of 1 matches	208	4e-55
lcl Amplicon_736	non-redundant amplicon of 2 matches	208	4e-55
lcl Amplicon_359	non-redundant amplicon of 6 matches	206	1e-54
lcl Amplicon_163	non-redundant amplicon of 10 matches	206	1e-54
lcl Amplicon_150	non-redundant amplicon of 13 matches	205	5e-54
lcl Amplicon_731	non-redundant amplicon of 2 matches	205	5e-54
lcl Amplicon_720	non-redundant amplicon of 2 matches	205	5e-54
lcl Amplicon_713	non-redundant amplicon of 2 matches	205	5e-54
lcl Amplicon_709	non-redundant amplicon of 2 matches	205	5e-54
lcl Amplicon_707	non-redundant amplicon of 1 matches	205	5e-54
lcl Amplicon_703	non-redundant amplicon of 4 matches	205	5e-54
lcl Amplicon_698	non-redundant amplicon of 14 matches	205	5e-54
lcl Amplicon_697	non-redundant amplicon of 2 matches	205	5e-54
lcl Amplicon_693	non-redundant amplicon of 2 matches	205	5e-54
lcl Amplicon_286	non-redundant amplicon of 7 matches	203	2e-53
lcl Amplicon_774	non-redundant amplicon of 1 matches	203	2e-53
lcl Amplicon_710	non-redundant amplicon of 2 matches	203	2e-53
lcl Amplicon_665	non-redundant amplicon of 8 matches	203	2e-53
lcl Amplicon_761	non-redundant amplicon of 1 matches	201	6e-53
lcl Amplicon_700	non-redundant amplicon of 2 matches	199	2e-52
lcl Amplicon_692	non-redundant amplicon of 2 matches	199	2e-52
lcl Amplicon_605	non-redundant amplicon of 2 matches	199	2e-52
lcl Amplicon_599	non-redundant amplicon of 1 matches	199	2e-52
lcl Amplicon_513	non-redundant amplicon of 2 matches	199	2e-52
lcl Amplicon_26	non-redundant amplicon of 1110 matches	197	7e-52
lcl Amplicon_706	non-redundant amplicon of 2 matches	196	3e-51
lcl Amplicon_690	non-redundant amplicon of 2 matches	196	3e-51

lcl Amplicon_686	non-redundant amplicon of 2 matches	196	3e-51
lcl Amplicon_683	non-redundant amplicon of 2 matches	196	3e-51
lcl Amplicon_314	non-redundant amplicon of 7 matches	196	3e-51
lcl Amplicon_449	non-redundant amplicon of 4 matches	192	3e-50
lcl Amplicon_298	non-redundant amplicon of 6 matches	192	3e-50
lcl Amplicon_103	non-redundant amplicon of 70 matches	192	3e-50
lcl Amplicon_145	non-redundant amplicon of 32 matches	188	4e-49
lcl Amplicon_545	non-redundant amplicon of 12 matches	185	5e-48
lcl Amplicon_321	non-redundant amplicon of 10 matches	185	5e-48
lcl Amplicon_107	non-redundant amplicon of 156 matches	185	5e-48
lcl Amplicon_318	non-redundant amplicon of 5 matches	179	2e-46
lcl Amplicon_448	non-redundant amplicon of 4 matches	172	3e-44
lcl Amplicon_457	non-redundant amplicon of 1 matches	170	1e-43
lcl Amplicon_721	non-redundant amplicon of 10 matches	168	4e-43
lcl Amplicon_602	non-redundant amplicon of 2 matches	167	1e-42
lcl Amplicon_315	non-redundant amplicon of 7 matches	165	4e-42
lcl Amplicon_376	non-redundant amplicon of 3 matches	163	2e-41
lcl Amplicon_722	non-redundant amplicon of 2 matches	163	2e-41
lcl Amplicon_629	non-redundant amplicon of 1 matches	161	5e-41
lcl Amplicon_490	non-redundant amplicon of 1 matches	161	5e-41
lcl Amplicon_202	non-redundant amplicon of 22 matches	159	2e-40
lcl Amplicon_325	non-redundant amplicon of 32 matches	159	2e-40
lcl Amplicon_373	non-redundant amplicon of 3 matches	156	2e-39
lcl Amplicon_23	non-redundant amplicon of 9 matches	150	1e-37
lcl Amplicon_14	non-redundant amplicon of 22510 matches	149	3e-37
lcl Amplicon_616	non-redundant amplicon of 4 matches	147	1e-36
lcl Amplicon_734	non-redundant amplicon of 4 matches	147	1e-36
lcl Amplicon_597	non-redundant amplicon of 4 matches	147	1e-36
lcl Amplicon_565	non-redundant amplicon of 4 matches	145	4e-36
lcl Amplicon_175	non-redundant amplicon of 134 matches	145	4e-36
lcl Amplicon_126	non-redundant amplicon of 778 matches	145	4e-36
lcl Amplicon_429	non-redundant amplicon of 8 matches	143	1e-35
lcl Amplicon_672	non-redundant amplicon of 2 matches	143	1e-35
lcl Amplicon_579	non-redundant amplicon of 2 matches	143	1e-35
lcl Amplicon_511	non-redundant amplicon of 4 matches	143	1e-35
lcl Amplicon_429	non-redundant amplicon of 8 matches	143	1e-35
lcl Amplicon_672	non-redundant amplicon of 2 matches	143	1e-35
lcl Amplicon_579	non-redundant amplicon of 2 matches	143	1e-35
lcl Amplicon_511	non-redundant amplicon of 4 matches	143	1e-35
lcl Amplicon_219	non-redundant amplicon of 10 matches	143	1e-35
lcl Amplicon_466	non-redundant amplicon of 10 matches	143	1e-35
lcl Amplicon_60	non-redundant amplicon of 14 matches	143	1e-35
lcl Amplicon_59	non-redundant amplicon of 14 matches	143	1e-35
lcl Amplicon_341	non-redundant amplicon of 6 matches	143	1e-35
lcl Amplicon_44	non-redundant amplicon of 18 matches	143	1e-35
lcl Amplicon_10	non-redundant amplicon of 5176 matches	143	1e-35
lcl Amplicon_716	non-redundant amplicon of 2 matches	141	5e-35
lcl Amplicon_293	non-redundant amplicon of 6 matches	141	5e-35
lcl Amplicon_291	non-redundant amplicon of 6 matches	141	5e-35
lcl Amplicon_302	non-redundant amplicon of 42 matches	141	5e-35
lcl Amplicon_129	non-redundant amplicon of 9 matches	141	5e-35
lcl Amplicon_667	non-redundant amplicon of 28 matches	140	2e-34
lcl Amplicon_461	non-redundant amplicon of 2 matches	140	2e-34
lcl Amplicon_69	non-redundant amplicon of 12 matches	140	2e-34
lcl Amplicon_374	non-redundant amplicon of 6 matches	140	2e-34
lcl Amplicon_360	non-redundant amplicon of 12 matches	140	2e-34
lcl Amplicon_330	non-redundant amplicon of 18 matches	140	2e-34
lcl Amplicon_51	non-redundant amplicon of 1198 matches	140	2e-34
lcl Amplicon_624	non-redundant amplicon of 1 matches	138	6e-34
lcl Amplicon_728	non-redundant amplicon of 1 matches	138	6e-34
lcl Amplicon_725	non-redundant amplicon of 1 matches	138	6e-34
lcl Amplicon_696	non-redundant amplicon of 1 matches	138	6e-34
lcl Amplicon_682	non-redundant amplicon of 2 matches	138	6e-34
lcl Amplicon_679	non-redundant amplicon of 1 matches	138	6e-34
lcl Amplicon_657	non-redundant amplicon of 1 matches	138	6e-34
lcl Amplicon_595	non-redundant amplicon of 1 matches	138	6e-34
lcl Amplicon_538	non-redundant amplicon of 1 matches	138	6e-34
lcl Amplicon_512	non-redundant amplicon of 2 matches	138	6e-34
lcl Amplicon_92	non-redundant amplicon of 3 matches	138	6e-34
lcl Amplicon_99	non-redundant amplicon of 6 matches	138	6e-34
lcl Amplicon_80	non-redundant amplicon of 3 matches	138	6e-34

lcl Amplicon_312	non-redundant amplicon of 6 matches	138	6e-34
lcl Amplicon_333	non-redundant amplicon of 3 matches	138	6e-34
lcl Amplicon_307	non-redundant amplicon of 3 matches	138	6e-34
lcl Amplicon_742	non-redundant amplicon of 2 matches	138	6e-34
lcl Amplicon_16	non-redundant amplicon of 2860 matches	138	6e-34
lcl Amplicon_622	non-redundant amplicon of 10 matches	136	2e-33
lcl Amplicon_505	non-redundant amplicon of 1 matches	136	2e-33
lcl Amplicon_206	non-redundant amplicon of 22 matches	136	2e-33
lcl Amplicon_11	non-redundant amplicon of 4568 matches	136	2e-33
lcl Amplicon_470	non-redundant amplicon of 1 matches	134	7e-33
lcl Amplicon_361	non-redundant amplicon of 6 matches	134	7e-33
lcl Amplicon_408	non-redundant amplicon of 3 matches	134	7e-33
lcl Amplicon_759	non-redundant amplicon of 2 matches	134	7e-33
lcl Amplicon_719	non-redundant amplicon of 1 matches	134	7e-33
lcl Amplicon_717	non-redundant amplicon of 1 matches	134	7e-33
lcl Amplicon_705	non-redundant amplicon of 2 matches	134	7e-33
lcl Amplicon_704	non-redundant amplicon of 2 matches	134	7e-33
lcl Amplicon_701	non-redundant amplicon of 1 matches	134	7e-33
lcl Amplicon_688	non-redundant amplicon of 2 matches	134	7e-33
lcl Amplicon_684	non-redundant amplicon of 2 matches	134	7e-33
lcl Amplicon_680	non-redundant amplicon of 1 matches	134	7e-33
lcl Amplicon_676	non-redundant amplicon of 1 matches	134	7e-33
lcl Amplicon_660	non-redundant amplicon of 2 matches	134	7e-33
lcl Amplicon_151	non-redundant amplicon of 13 matches	134	7e-33
lcl Amplicon_515	non-redundant amplicon of 1 matches	134	7e-33
lcl Amplicon_477	non-redundant amplicon of 1 matches	134	7e-33
lcl Amplicon_288	non-redundant amplicon of 6 matches	134	7e-33
lcl Amplicon_154	non-redundant amplicon of 25 matches	134	7e-33
lcl Amplicon_319	non-redundant amplicon of 10 matches	134	7e-33
lcl Amplicon_120	non-redundant amplicon of 108 matches	134	7e-33
lcl Amplicon_231	non-redundant amplicon of 30 matches	134	7e-33
lcl Amplicon_737	non-redundant amplicon of 2 matches	134	7e-33
lcl Amplicon_140	non-redundant amplicon of 93 matches	134	7e-33
lcl Amplicon_46	non-redundant amplicon of 641 matches	134	7e-33
lcl Amplicon_620	non-redundant amplicon of 2 matches	132	3e-32
lcl Amplicon_737	non-redundant amplicon of 2 matches	134	7e-33
lcl Amplicon_140	non-redundant amplicon of 93 matches	134	7e-33
lcl Amplicon_46	non-redundant amplicon of 641 matches	134	7e-33
lcl Amplicon_620	non-redundant amplicon of 2 matches	132	3e-32
lcl Amplicon_255	non-redundant amplicon of 11 matches	132	3e-32
lcl Amplicon_606	non-redundant amplicon of 1 matches	132	3e-32
lcl Amplicon_464	non-redundant amplicon of 1 matches	132	3e-32
lcl Amplicon_658	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_762	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_729	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_726	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_708	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_702	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_689	non-redundant amplicon of 2 matches	131	9e-32
lcl Amplicon_685	non-redundant amplicon of 2 matches	131	9e-32
lcl Amplicon_677	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_663	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_632	non-redundant amplicon of 4 matches	131	9e-32
lcl Amplicon_596	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_539	non-redundant amplicon of 1 matches	131	9e-32
lcl Amplicon_81	non-redundant amplicon of 3 matches	131	9e-32
lcl Amplicon_412	non-redundant amplicon of 5 matches	131	9e-32
lcl Amplicon_334	non-redundant amplicon of 3 matches	131	9e-32
lcl Amplicon_19	non-redundant amplicon of 1106 matches	131	9e-32
lcl Amplicon_308	non-redundant amplicon of 3 matches	131	9e-32
lcl Amplicon_743	non-redundant amplicon of 2 matches	131	9e-32
lcl Amplicon_625	non-redundant amplicon of 1 matches	129	3e-31
lcl Amplicon_506	non-redundant amplicon of 1 matches	129	3e-31
lcl Amplicon_462	non-redundant amplicon of 1 matches	129	3e-31
lcl Amplicon_121	non-redundant amplicon of 63 matches	129	3e-31
lcl Amplicon_738	non-redundant amplicon of 2 matches	129	3e-31
lcl Amplicon_379	non-redundant amplicon of 3 matches	127	1e-30
lcl Amplicon_362	non-redundant amplicon of 6 matches	127	1e-30
lcl Amplicon_600	non-redundant amplicon of 1 matches	127	1e-30
lcl Amplicon_478	non-redundant amplicon of 1 matches	127	1e-30
lcl Amplicon_203	non-redundant amplicon of 17 matches	127	1e-30

lcl Amplicon_155	non-redundant amplicon of 13 matches	127	1e-30
lcl Amplicon_164	non-redundant amplicon of 10 matches	127	1e-30
lcl Amplicon_204	non-redundant amplicon of 28 matches	127	1e-30
lcl Amplicon_141	non-redundant amplicon of 87 matches	127	1e-30
lcl Amplicon_782	non-redundant amplicon of 2 matches	125	4e-30
lcl Amplicon_497	non-redundant amplicon of 2 matches	125	4e-30
lcl Amplicon_377	non-redundant amplicon of 6 matches	123	1e-29
lcl Amplicon_25	non-redundant amplicon of 1014 matches	123	1e-29
lcl Amplicon_232	non-redundant amplicon of 19 matches	122	5e-29
lcl Amplicon_165	non-redundant amplicon of 10 matches	120	2e-28
lcl Amplicon_643	non-redundant amplicon of 2 matches	120	2e-28
lcl Amplicon_647	non-redundant amplicon of 2 matches	118	6e-28
lcl Amplicon_554	non-redundant amplicon of 8 matches	114	7e-27
lcl Amplicon_495	non-redundant amplicon of 1 matches	114	7e-27
lcl Amplicon_205	non-redundant amplicon of 17 matches	114	7e-27
lcl Amplicon_326	non-redundant amplicon of 9 matches	104	1e-23
lcl Amplicon_132	non-redundant amplicon of 9 matches	102	4e-23
lcl Amplicon_355	non-redundant amplicon of 8 matches	100	2e-22
lcl Amplicon_492	non-redundant amplicon of 2 matches	96.9	2e-21
lcl Amplicon_491	non-redundant amplicon of 2 matches	91.5	8e-20
lcl Amplicon_24	non-redundant amplicon of 9 matches	87.8	1e-18
lcl Amplicon_324	non-redundant amplicon of 20 matches	87.8	1e-18
lcl Amplicon_133	non-redundant amplicon of 18 matches	80.6	1e-16
lcl Amplicon_130	non-redundant amplicon of 27 matches	78.8	5e-16
lcl Amplicon_182	non-redundant amplicon of 20 matches	75.2	6e-15
lcl Amplicon_316	non-redundant amplicon of 3 matches	71.6	7e-14

>[lcl|Amplicon_104](#) non-redundant amplicon of 168 matches

Length=210

Score = 379 bits (420), Expect = 1e-106
 Identities = 210/210 (100%), Gaps = 0/210 (0%)

Strand=Plus/Plus

Score = 379 bits (420), Expect = 1e-106
 Identities = 210/210 (100%), Gaps = 0/210 (0%) Strand=Plus/Plus

Query	2379	ATGGTGGATGGCATGATGTTGGTTTGCAAGGGATTGAGTTGCCAGCTCCTCCAA	2438
Sbjct	1	ATGGTGGATGGCATGATGTTGGTTTGCAAGGGATTGAGTTGCCAGCTCCTCCAA	60
Query	2439	GGCCAGTTAGGCCAGTTACCCAGATCTGAGTCGACCTGCAGGCATGCCCGCTGAAATCAC	2498
Sbjct	61	GGCCAGTTAGGCCAGTTACCCAGATCTGAGTCGACCTGCAGGCATGCCCGCTGAAATCAC	120
Query	2499	CAGtctctctacaaatctatctctctataATAATGTGTGAGTAGTCCCAGATAAG	2558
Sbjct	121	CAGTCTCTCTACAAATCTATCTCTCTATAATAATGTGTGAGTAGTCCCAGATAAG	180
Query	2559	GGAATTAGGGTTCTTATAGGGTTTCGCTCA	2588
Sbjct	181	GGAATTAGGGTTCTTATAGGGTTTCGCTCA	210

>[lcl|Amplicon_108](#) non-redundant amplicon of 45 matches

Length=209

Score = 370 bits (410), Expect = 6e-104
 Identities = 209/210 (99%), Gaps = 1/210 (0%)

Strand=Plus/Plus

Query	2379	ATGGTGGATGGCATGATGTTGGTTTGCAAGGGATTGAGTTGCCAGCTCCTCCAA	2438
Sbjct	1	ATGGTGGATGGCATGATGTTGGTTTGCAAGGGATTGAGTTGCCAGCTCCTCCAA	60
Query	2439	GGCCAGTTAGGCCAGTTACCCAGATCTGAGTCGACCTGCAGGCATGCCCGCTGAAATCAC	2498
Sbjct	61	GGCCAGTTAGGCCAGTTACCCAGATCTGAGTCGACCTGCAGGCATG-CCGCTGAAATCAC	119
Query	2499	CAGtctctctacaaatctatctctataATAATGTGTGAGTAGTCCCAGATAAG	2558
Sbjct	120	CAGTCTCTCTACAAATCTATCTCTCTATAATAATGTGTGAGTAGTCCCAGATAAG	179
Query	2559	GGAATTAGGGTTCTTATAGGGTTTCGCTCA	2588
Sbjct	180	GGAATTAGGGTTCTTATAGGGTTTCGCTCA	209

>[lcl|Amplicon_47](#) non-redundant amplicon of 6422 matches

Length=195

Score = 352 bits (390), Expect = 2e-98
 Identities = 195/195 (100%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTCGCCG	1708

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 194 non-redundant amplicon of 40 matches
>lcl|Amplicon 194 non-redundant amplicon of 40 matches
Length=195
Score = 349 bits (386), Expect = 2e-97
Identities = 193/193 (100%), Gaps = 0/193 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTA 1841
|||||||||||||||
Sbjct 181 CACAATCCCACTA 193
>lcl|Amplicon 152 non-redundant amplicon of 66 matches
Length=195
Score = 349 bits (386), Expect = 2e-97
Identities = 193/193 (100%), Gaps = 0/193 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTA 1841
|||||||||||||||
Sbjct 181 CACAATCCCACTA 193
>lcl|Amplicon 723 non-redundant amplicon of 2 matches
Length=195
Score = 347 bits (384), Expect = 6e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 644 non-redundant amplicon of 4 matches
Length=195
Score = 347 bits (384), Expect = 6e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708

Sbjct 1 ||| GCCCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
 |||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1829 CACAATCCCACTATC 1843
 |||
 Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 593 non-redundant amplicon of 2 matches
 Length=195
 Score = 347 bits (384), Expect = 6e-97
 Identities = 194/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus
 Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
 |||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1829 CACAATCCCACTATC 1843
 | |||
 Sbjct 181 CTCAATCCCACTATC 195
>lcl|Amplicon 509 non-redundant amplicon of 4 matches
 Length=195
 Score = 347 bits (384), Expect = 6e-97
 Identities = 194/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus
 Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
 |||
 Sbjct 121 CAACCACGTATTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1829 CACAATCCCACTATC 1843
 |||
 Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 97 non-redundant amplicon of 12 matches
 Length=195
 Score = 347 bits (384), Expect = 6e-97
 Identities = 194/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus
 Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
 Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
 |||
 Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 1829 CACAATCCCACTATC 1843
 |||
 Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 78 non-redundant amplicon of 6 matches
 Length=195
 Score = 347 bits (384), Expect = 6e-97

Identities = 194/195 (99%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCCTACTATC 1843	
Sbjct	181	CACAATCCCCTACTATC 195	

>lcl|Amplicon 57 non-redundant amplicon of 14 matches

Length=195

Score = 347 bits (384), Expect = 6e-97

Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCCTACTATC 1843	
Sbjct	181	CACAATCCCCTACTATC 195	

>lcl|Amplicon 411 non-redundant amplicon of 10 matches

Length=195

Score = 347 bits (384), Expect = 6e-97

Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCCTACTATC 1843	
Sbjct	181	CACAATCCCCTACTATC 195	

>lcl|Amplicon 346 non-redundant amplicon of 12 matches

Length=195

Score = 347 bits (384), Expect = 6e-97

Identities = 194/195 (99%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCCTACTATC 1843	
Sbjct	181	CACAATCCCCTACTATC 195	

>lcl|Amplicon 339 non-redundant amplicon of 6 matches

Length=195

Score = 347 bits (384), Expect = 6e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)

Length=195

Score = 347 bits (384), Expect = 6e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCC ACTATC 1843	
Sbjct	181	CACAATCCC ACTATC 195	

>lcl|Amplicon 305 non-redundant amplicon of 6 matches

Length=195

Score = 347 bits (384), Expect = 6e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCC ACTATC 1843	
Sbjct	181	CACTATCCC ACTATC 195	

>lcl|Amplicon 739 non-redundant amplicon of 4 matches

Length=195

Score = 347 bits (384), Expect = 6e-97
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCC ACTATC 1843	
Sbjct	181	CACAATCCC ACTATC 195	

>lcl|Amplicon 292 non-redundant amplicon of 6 matches

Length=196

Score = 345 bits (382), Expect = 2e-96
Identities = 195/196 (99%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCC-ACGAGGAGCATCGTGGAAAAGAACGTTC	1767
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1768	CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC	1827
Sbjct	121	CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC	180
Query	1828	GCACAATCCC ACTATC 1843	
Sbjct	181	GCACAATCCC ACTATC 196	

>lcl|Amplicon 301 non-redundant amplicon of 24 matches

Length=196

Score = 345 bits (382), Expect = 2e-96

Identities = 195/196 (99%), Gaps = 1/196 (1%)

Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60

Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGG-AAAAAGAACGTT 1767

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120

Query 1768 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1827

|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180

Query 1828 GCACAATCCCACTATC 1843

|||||||||||||||

Sbjct 181 GCACAATCCCACTATC 196

>lcl|Amplicon 296 non-redundant amplicon of 4 matches

Length=195

Score = 343 bits (380), Expect = 8e-96

Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708

|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60

Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 1768

|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120

Query 1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1828

|||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATAACTCCACTGACGTAAGGGATGACG 180 Query

1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1828

|||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATAACTCCACTGACGTAAGGGATGACG 180

Query 1829 CACAATCCCACTATC 1843

|||||||||||||||

Sbjct 181 ACAAAATCCCACTATC 195

>lcl|Amplicon 673 non-redundant amplicon of 4 matches

Length=195

Score = 343 bits (380), Expect = 8e-96

Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708

|||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTGCCG 60

Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 1768

|||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120

Query 1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1828

|||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180

Query 1829 CACAATCCCACTATC 1843

|||||||||||||||

Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon 500 non-redundant amplicon of 10 matches

Length=195

Score = 343 bits (380), Expect = 8e-96

Identities = 193/195 (99%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708

|||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATCTCTCTGCCG 60

Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 1768

|||||||||||||||||||||||||||||||||||||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120

Query 1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1828

|||||||||||||||||||||||||||||||||||

Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180

Query 1829 CACAATCCCACTATC 1843

|||||||||||||||

Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon_68 non-redundant amplicon of 12 matches

Length=194

Score = 343 bits (380), Expect = 8e-96
 Identities = 194/195 (99%), Gaps = 1/195 (1%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCA-CGTGGAAAAGAACGTTC	119
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	120	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	179
Query	1829	CACAATCCC ACTATC 1843	
Sbjct	180	CACAATCCC ACTATC 194	

>lcl|Amplicon_201 non-redundant amplicon of 182 matches

Length=195

Score = 343 bits (380), Expect = 8e-96
 Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCC ACTATC 1843	
Sbjct	181	AACAATCCC ACTATC 195	

>lcl|Amplicon_735 non-redundant amplicon of 4 matches

Length=195

Score = 343 bits (380), Expect = 8e-96
 Identities = 194/195 (99%), Gaps = 1/195 (1%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCC-CACTAT 1842	
Sbjct	181	CACAATCCGCACTAT 195	

>lcl|Amplicon_674 non-redundant amplicon of 6 matches

Length=195

Score = 338 bits (374), Expect = 3e-94
 Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Identities	= 192/195 (98%), Gaps	= 0/195 (0%) Strand=Plus/Plus	
Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCC ACTATC 1843	

Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 671 non-redundant amplicon of 2 matches
Length=195
Score = 338 bits (374), Expect = 3e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1708
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGACGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
||||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 383 non-redundant amplicon of 18 matches
Length=195
Score = 338 bits (374), Expect = 3e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1708
||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
||||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 218 non-redundant amplicon of 8 matches
Length=195
>lcl|Amplicon 218 non-redundant amplicon of 8 matches
Length=195
Score = 338 bits (374), Expect = 3e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1708
||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTACCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
||||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 33 non-redundant amplicon of 2740 matches
Length=195
Score = 338 bits (374), Expect = 3e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1708
|| ||||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
||||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 93 non-redundant amplicon of 62 matches

Length=195

Score = 336 bits (372), Expect = 1e-93
 Identities = 189/191 (99%), Gaps = 0/191 (0%) Strand=Plus/Plus

Query	1653	CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAG	1712
Sbjct	5	CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCGACAG	64
Query	1713	TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCCAAC	1772
Sbjct	65	TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCCAAC	124
Query	1773	CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA	1832
Sbjct	125	CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA	184
Query	1833	ATCCC ACTATC 1843	
Query	1833	ATCCC ACTATC 1843	
Sbjct	185	ATCCC ACTATC 195	

>lcl|Amplicon 789 non-redundant amplicon of 76 matches Length=195

Score = 334 bits (370), Expect = 4e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCACCTACAAATGCCATAATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC	120
Query	1769	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCC ACTATC 1843	
Sbjct	181	CACAATCCC ACTATC 195	

>lcl|Amplicon 577 non-redundant amplicon of 2 matches

Length=195

Score = 334 bits (370), Expect = 4e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACAGGAGCATCGTGGAAAAGAACGTTTC	120
Query	1769	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCC ACTATC 1843	
Sbjct	181	CACAATCCC ACTATC 195	

>lcl|Amplicon 501 non-redundant amplicon of 2 matches

Length=195

Score = 334 bits (370), Expect = 4e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCACCTACAAATGCCATCATTGCGAAAAAGGAAAGGCTATCGTCAAGATGCCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC	120
Query	1769	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC	120
Query	1769	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCC ACTATC 1843	

Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 273 non-redundant amplicon of 6 matches
Length=195
Score = 334 bits (370), Expect = 4e-93
Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|| ||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGNCTATCGTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
|| ||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|| ||||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|| ||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 90 non-redundant amplicon of 6 matches Length=195
Score = 334 bits (370), Expect = 4e-93
Identities = 191/195 (98%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|| ||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
|| ||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|| ||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|| ||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 71 non-redundant amplicon of 8 matches Length=194
Score = 334 bits (370), Expect = 4e-93
Identities = 192/195 (98%), Gaps = 1/195 (1%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|| ||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|| ||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
|| ||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACGCACGAGGAGCA-CGTGGAAAACAAGAACGTTC 119
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|| ||||||||||||||||||||||||||
Sbjct 120 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
Query 1829 CACAATCCCACTATC 1843
|| ||||||||||||||
Sbjct 180 CACAATCCCACTATC 194
>lcl|Amplicon 67 non-redundant amplicon of 48 matches
Length=195
Score = 334 bits (370), Expect = 4e-93
Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|| ||||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
|| ||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|| ||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|| ||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 428 non-redundant amplicon of 8 matches

Length=195

Score = 334 bits (370), Expect = 4e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTCAAGATGCCCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCCTACTATC 1843	
Sbjct	181	CACAATCCCCTACTATC 195	

>[lcl|Amplicon 200 non-redundant amplicon of 112 matches](#)

Length=195

Score = 334 bits (370), Expect = 4e-93
 Identities = 190/193 (98%), Gaps = 0/193 (0%)

Strand=Plus/Plus

Score = 334 bits (370), Expect = 4e-93
 Identities = 190/193 (98%), Gaps = 0/193 (0%)

Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTCAAGATGCCCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCCTACTATC 1841	
Sbjct	181	CACAATCCCCTACTATC 193	

>[lcl|Amplicon 327 non-redundant amplicon of 12 matches](#)

Length=195

Score = 334 bits (370), Expect = 4e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTCAAAGATGCCCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCCTACTATC 1843	
Sbjct	181	CACAATCCCCTACTATC 195	

>[lcl|Amplicon 50 non-redundant amplicon of 308 matches](#)

Length=195

Score = 334 bits (370), Expect = 4e-93
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTCAAGATGCCCTACCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCCTACTATC 1843	

Sbjct 181 CACAATCCCACTATC 195
Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon_12 non-redundant amplicon of 4816 matches

Length=195

Score = 334 bits (370), Expect = 4e-93
Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
|||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195

>lcl|Amplicon_279 non-redundant amplicon of 28 matches

Length=196

Score = 333 bits (368), Expect = 1e-92
Identities = 192/196 (98%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGA-TGCCTCTGCC 1707
||| |||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTTCAAGATGCCTCTGCC 60
Query 1708 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1767
|||||||||||||||||||||||||||||||
Sbjct 61 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1768 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1827
|||||||||||||||||||||||||||||||
Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1828 GCACAATCCCACTATC 1843
|||||||||||||||
Sbjct 181 GCACAATCCCACTATC 196

>lcl|Amplicon_353 non-redundant amplicon of 6 matches

Length=196

Score = 333 bits (368), Expect = 1e-92
Identities = 192/196 (98%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAA-GGCCATCGTTGAAGATGCCTCTGCC 1707
||| |||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAAGGCATCGTTCAAGATGCCTCTGCC 60
Query 1708 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1767
|||||||||||||||||||||||||||||||
Sbjct 61 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1768 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1827
|||||||||||||||||||||||||||||||
Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1768 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1827
|||||||||||||||||||||||||||||||
Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1828 GCACAATCCCACTATC 1843
|||||||||||||||
Sbjct 181 GCACAATCCCACTATC 196

>lcl|Amplicon_564 non-redundant amplicon of 4 matches

Length=195

Score = 331 bits (366), Expect = 5e-92
Identities = 190/195 (97%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTC 1768
|||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCNCAGGAGCATCGTGGAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||||||||||||||||||||||||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 174 non-redundant amplicon of 78 matches
Length=194
Score = 331 bits (366), Expect = 5e-92
Identities = 191/195 (98%), Gaps = 1/195 (1%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGC-TCTGCCG 59
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
|||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 60 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 119
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 120 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
Query 1829 CACAATCCCACTATC 1843
|||||||||||||||
Sbjct 180 CACAATCCCACTATC 194
>lcl|Amplicon 615 non-redundant amplicon of 4 matches
Length=195
Score = 329 bits (364), Expect = 2e-91
Identities = 190/195 (97%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
|||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
|||||||||||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 266 non-redundant amplicon of 178 matches
Length=195
Score = 329 bits (364), Expect = 2e-91
Identities = 190/195 (97%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTACCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
|||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAAACATCGTGGAAAAAGAACGTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCACTATC 1843
|||||||||||||||
Sbjct 181 CACAATCCCACTATC 195
>lcl|Amplicon 42 non-redundant amplicon of 18 matches
Length=195
Score = 329 bits (364), Expect = 2e-91
Identities = 190/195 (97%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
|||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTCC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||||||||||||||||||||||||

||||||||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCC ACTATC 1843
|||||||||||||||
Sbjct 181 CACAATCCC ACTATC 195
>lcl|Amplicon 358 non-redundant amplicon of 12 matches
Length=192
Score = 327 bits (362), Expect = 6e-91
Identities = 192/195 (98%), Gaps = 3/195 (2%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
||||||||||||||||||||||||||||||||||||
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCAT-GTTGAAGATGCCTCTGCCG 59
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 1768
||||||||||||||||||||||||||||||||
Sbjct 60 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCAT-GTGGAAAAGAACGTTTC 118
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||||||||||||||||||||||||
Sbjct 119 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCT-CACTGACGTAAGGGATGACG 177
Query 1829 CACAATCCC ACTATC 1843
|||||||||||||||
Sbjct 178 CACAATCCC ACTATC 192
>lcl|Amplicon 503 non-redundant amplicon of 2 matches
Length=196
Score = 327 bits (362), Expect = 6e-91
Identities = 191/196 (97%), Gaps = 1/196 (1%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|| |||||||||||||||||||||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 1768
||||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGG-ATGAC 1827
|||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1828 GCACAATCCC ACTATC 1843
|||||||||||||||
Sbjct 181 GCACAATCCC ACTATC 196
>lcl|Amplicon 166 non-redundant amplicon of 44 matches
Length=195
Score = 327 bits (362), Expect = 6e-91
Identities = 187/191 (98%), Gaps = 0/191 (0%)
Strand=Plus/Plus
Query 1653 CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAG 1712
|||||||||||||||||||||||||||||||||||
Sbjct 5 CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCGACAG 64
Query 1713 TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCCAAC 1772
||||||||||||||||||||||||||||||||
Sbjct 65 TGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCCAAC 124
Query 1773 CACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 1832
|||||||||||||||||||||||||||||||
Sbjct 125 CACGTCTCAAAGCAAGTGGATTGATGTGATACTCCACTGACGTAAGGGATGACGCACA 184
Query 1833 ATCCC ACTATC 1843
|||||||||||||||
Sbjct 185 ATCCC ACTATC 195
>lcl|Amplicon 18 non-redundant amplicon of 166 matches
Length=195
>lcl|Amplicon 18 non-redundant amplicon of 166 matches
Length=195
Score = 327 bits (362), Expect = 6e-91
Identities = 187/191 (98%), Gaps = 0/191 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|| |||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 1768
|||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTTC 120

Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCAC 1839
|||||||
Sbjct 181 CACAATCCCAC 191
>lcl|Amplicon 670 non-redundant amplicon of 2 matches
Length=195
Score = 325 bits (360), Expect = 2e-90
Identities = 190/195 (97%), Gaps = 1/195 (1%)
Strand=Plus/Plus
Query 1650 CTCCTA-CAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||
Sbjct 1 CTCCTAGCAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 1768
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCAC TAC 1843
|||||||
Sbjct 181 CACAATCCCAC TAC 195
>lcl|Amplicon 465 non-redundant amplicon of 4 matches
Length=195
Score = 325 bits (360), Expect = 2e-90
Identities = 189/195 (97%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||
Sbjct 1 GCACCTACCAATGCCATCATTGCGATAAAGGAAAGGCTATCGTAAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 1768
|||||
Sbjct 61 ACAGTGGTCTAAAGATGGACCCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCAC TAC 1843
|||||||
Sbjct 181 CACAATCCCAC TAC 195
Query 1829 CACAATCCCAC TAC 1843
|||||||
Sbjct 181 CACAATCCCAC TAC 195
>lcl|Amplicon 245 non-redundant amplicon of 52 matches
Length=197
Score = 325 bits (360), Expect = 2e-90
Identities = 191/197 (97%), Gaps = 2/197 (1%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGAT--GCCTCTGC 1706
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTGCCCTCTGC 60
Query 1707 CGACAGTGGTCCCAAAGATGGACCCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 1766
|||||
Sbjct 61 CGACAGTGGTCCCAAAGATGGACCCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTT 120
Query 1767 TCCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGA 1826
|||||
Sbjct 121 TCCAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGA 180
Query 1827 CGCACAATCCCAC TAC 1843
|||||||
Sbjct 181 CGCACAATCCCAC TAC 197
>lcl|Amplicon 138 non-redundant amplicon of 132 matches
Length=195
Score = 325 bits (360), Expect = 2e-90
Identities = 189/195 (97%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTTC 1768
|||||

Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCCTACTC 1843
|||||||
Sbjct 181 CACAATCCCCTACTC 195
>lcl|Amplicon 125 non-redundant amplicon of 742 matches
Length=195
Score = 325 bits (360), Expect = 2e-90
Identities = 189/195 (97%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1708
|||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1768
|||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCCTACTC 1843
|||||||
Sbjct 181 CACAATCCCCTACTC 195
>lcl|Amplicon 714 non-redundant amplicon of 2 matches
Length=195
Score = 324 bits (358), Expect = 7e-90
Identities = 188/194 (97%), Gaps = 0/194 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1708
|||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTACCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1768
|||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 1828
|||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCCTACTC 1842
|||||||
Sbjct 181 CACAATCCCCTACTC 194
>lcl|Amplicon 630 non-redundant amplicon of 8 matches
Length=195
Score = 324 bits (358), Expect = 7e-90
Identities = 188/194 (97%), Gaps = 0/194 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1708
|||||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTCAAGATGCCTCTACCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1768
|||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
|||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGAGATATCTCCACTGACGTAAGGGATGACG 180
Query 1829 CACAATCCCCTACTC 1842
|||||||
Sbjct 181 CACAATCCCCTACTC 194
>lcl|Amplicon 598 non-redundant amplicon of 2 matches
Length=195
Score = 324 bits (358), Expect = 7e-90
Identities = 188/194 (97%), Gaps = 0/194 (0%) Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCCG 1708
|||||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTCAAGATGCCTCTACCG 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1768
|||||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTCAAGATGCCTCTACCG 60

Query 1709 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1768
 |||||||

Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAACATCGTGGAAAAGAAGACGTT 120
 |||||||

Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
 |||||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 |||||||

Query 1829 CACAATCCCAC T 1842
 |||||||

Sbjct 181 CACAATCCCAC T 194
>lcl|Amplicon 268 non-redundant amplicon of 190 matches

Length=196

Score = 324 bits (358), Expect = 7e-90

Identities = 190/196 (97%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGA-TGCCTCTGCC 1707
 |||||

Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTCAAGAATGCCTCTACC 60
 |||||

Query 1708 GACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1767
 |||||

Sbjct 61 GACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAACATCGTGGAAAAGAAGACGTT 120
 |||||

Query 1768 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1827
 |||||

Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
 |||||

Query 1828 GCACAATCCCAC T 1843
 |||||

Sbjct 181 GCACAATCCCAC T 196
>lcl|Amplicon 468 non-redundant amplicon of 2 matches

Length=195

Score = 322 bits (356), Expect = 3e-89

Identities = 187/193 (97%), Gaps = 0/193 (0%)

Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCC 1708
 |||||

Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTACCG 60
 |||||

Query 1709 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1768
 |||||

Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 120
 |||||

Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGACATCTCCACTGACGTAAGGGATGAC 1828
 |||||

Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGACATCTCCACTGACGTAAGGGATGAC 180
 |||||

Query 1829 CACAATCCCAC T 1841
 |||||

Sbjct 181 CACAATCCCAC T 193
>lcl|Amplicon 328 non-redundant amplicon of 18 matches

Length=194

Score = 322 bits (356), Expect = 3e-89

Identities = 189/195 (97%), Gaps = 1/195 (1%)

Strand=Plus/Plus

Score = 322 bits (356), Expect = 3e-89

Identities = 189/195 (97%), Gaps = 1/195 (1%) Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCC 1708
 |||||

Sbjct 1 GCACCTACAAATGCCATCATTGCGATAA-GGAAAGGCTATCGTCAAGATGCCTCTGCC 59
 |||||

Query 1709 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 1768
 |||||

Sbjct 60 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAAGACGTT 119
 |||||

Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1828
 |||||

Sbjct 120 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 179
 |||||

Query 1829 CACAATCCCAC T 1843
 |||||

Sbjct 180 CACAATCCCAC T 194
>lcl|Amplicon 740 non-redundant amplicon of 4 matches

Length=194

Score = 322 bits (356), Expect = 3e-89

Identities = 189/195 (97%), Gaps = 1/195 (1%)

Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCTCTGCC 1708
 |||||

Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGACATCGTGGAAAAGAACGCTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGACATCGTGGAAAAGAACGCTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	C-ACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	179
Query	1829	CACAATCCCAC TATC 1843	
Sbjct	180	CACAATCCCAC TATC 194	

>lcl|Amplicon 372 non-redundant amplicon of 6 matches

Length=195

Score = 320 bits (354), Expect = 9e-89
 Identities = 188/195 (96%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGACATCGTGGAAAAGAACGCTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGTATCGTGGAAAAGAACGCTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1828
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	180
Query	1829	CACAATCCCAC TATC 1843	
Sbjct	181	CACAATCCCAC TATC 195	

>lcl|Amplicon 760 non-redundant amplicon of 2 matches>lcl|Amplicon 760 non-redundant amplicon of 2 matches

Length=196

Score = 318 bits (352), Expect = 3e-88
 Identities = 189/196 (96%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	1768
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	120
Query	1769	CAACCACGTCTC-AAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC	1827
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGAC	180
Query	1828	GCACAATCCCAC TATC 1843	
Sbjct	181	GCACAATCCCAC TATC 196	

>lcl|Amplicon 751 non-redundant amplicon of 2 matches

Length=195

Score = 318 bits (352), Expect = 3e-88
 Identities = 187/194 (96%), Gaps = 0/194 (0%)
 Strand=Plus/Plus

Query	1650	CTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGA	1709
Sbjct	2	CTCTTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCGA	61
Query	1710	CAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	1769
Sbjct	62	CAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGCTTC	121
Query	1770	AACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG	1829
Sbjct	122	AACCACGTCTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG	181
Query	1830	ACAATCCCAC TATC 1843	
Sbjct	182	ACAATCCCAC TATC 195	

>lcl|Amplicon 162 non-redundant amplicon of 20 matches

Length=196

Score = 318 bits (352), Expect = 3e-88
 Identities = 189/196 (96%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG	60

Query 1709 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTT 1768
|||||
Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTT 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGG-ATGAC 1827
|||||||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATGACTTCACTGACGTAAGGGATGAC 180
Query 1828 GCACAATCCC ACTATC 1843
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATGACTTCACTGACGTAAGGGATGAC 180
Query 1828 GCACAATCCC ACTATC 1843
|||||||||||||||
Sbjct 181 GCACAATCCC ACTATC 196
>[lcl|Amplicon 317 non-redundant amplicon of 10 matches](#)
Length=196
Score = 318 bits (352), Expect = 3e-88
Identities = 189/196 (96%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGA-TGCCCTTGCC 1707
|||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTCAAGAATGCCCTTAC 60
Query 1708 GACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTT 1767
|||||||||||||||||||||||||||||||||||
Sbjct 61 GACAGTGGTCCAAAGATGTACCCCCACCCACGAGGAAACATCGTGGAAAAGAACGTT 120
Query 1768 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1827
|||||||||||||||||||||||||||||||||||||||
Sbjct 121 CCAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1828 GCACAATCCC ACTATC 1843
|||||||||||||||
Sbjct 181 GCACAATCCC ACTATC 196
>[lcl|Amplicon 459 non-redundant amplicon of 2 matches](#)
Length=195
Score = 316 bits (350), Expect = 1e-87
Identities = 187/195 (96%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCCTTGCC 1708
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTCAAAATGCCCTTGCC 60
Query 1709 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTT 1768
|||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCAAAGATGGATCCCCACCCACGAGGAGCATCGTGGAAAAGGAGACGTT 120
Query 1769 CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 1828
|||||||||||||||||||||||||||||||
Sbjct 121 CAACCACGTCTCAAAGCAAGTGGATTGATTCACATCTCCACTGACGTAAGGGATGAC 180
Query 1829 CACAATCCC ACTATC 1843
|||||||||||||||
Sbjct 181 CACAATCCC ACTATC 195
>[lcl|Amplicon 371 non-redundant amplicon of 6 matches](#)
Length=196
Score = 316 bits (350), Expect = 1e-87
Identities = 190/196 (97%), Gaps = 3/196 (2%)
Strand=Plus/Plus
Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTGAAGATGCCCTTGCC 1708
|||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCATCGTCAAGATGCCCTTGCC 60
Query 1709 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTT 1768
|||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTT 120
Query 1709 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTT 1768
|||||||||||||||||||||||||||||||
Sbjct 61 ACAGTGGTCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAGAACGTT 120
Query 1769 CAAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCC-ACTGACGTAAGGGATGAC 1827
|||||||||||||||||||||||||||||||
Sbjct 121 CAAACCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 1828 GCAC-AATCCC- ACTA 1841
|||||
Sbjct 181 GCACTAATCCCTACTA 196
>[lcl|Amplicon 766 non-redundant amplicon of 4 matches](#)
Length=195
Score = 315 bits (348), Expect = 4e-87

Identities = 185/192 (96%), Gaps = 0/192 (0%)

Strand=Plus/Plus

Query	1652	CCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACA	1711
Sbjct	4	CCCACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCGACA	63
Query	1712	GTGGTCCCAAAGATGGACCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCAA	1771
Sbjct	64	GTGGTCCCAAAGATGGACCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCAA	123
Query	1772	CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGACGCAC	1831
Sbjct	124	CCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCACTGACGTAAGGGATGACGCAC	183
Query	1832	AATCCCAC T A T C 1843	
Sbjct	184	AATCCCAC T A T C 195	

>lcl|Amplicon 289 non-redundant amplicon of 6 matches

Length=195

Score = 313 bits (346), Expect = 1e-86

Identities = 184/191 (96%), Gaps = 0/191 (0%)

Strand=Plus/Plus

Query	1653	CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAG	1712
Sbjct	5	CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCGACAG	64
Query	1713	TGGTCCCAAAGATGGACCCCACCCACGAGGAGCATCGTGGAAAAGAACGTTCAAAC	1772
Sbjct	65	TGGTCCCAAAGATGGACCCCACCCACTAGGAGCATCGTGGAAAAGAACGTTCAAAC	124
Query	1773	CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATGACGCACA	1832
Sbjct	125	CACGTCTTCAAAGCAAGTGGATTGATGTGATACTCACTGACGTAAGGGATGACGCACA	184
Query	1833	ATCCCAC T A T C 1843	
Sbjct	185	ATCCCAC T A T C 195	

>lcl|Amplicon 780 non-redundant amplicon of 2 matches

Length=198

Score = 306 bits (338), Expect = 2e-84

Identities = 188/198 (95%), Gaps = 3/198 (2%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCG	60
Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCCACCGAAGGAGCATCGTGGAAAAGAACG	1765
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCGAAGGAGCATCGTGGAAAAGAACG	120
Query	1766	TTCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATG	1825
Sbjct	121	TTCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCACTGACGTAAGGGATG	180
Query	1826	ACGCACAATCCCAC T A T C 1843	
Sbjct	181	ACGCACAATCCCAC T A T C 198	

>lcl|Amplicon 758 non-redundant amplicon of 2 matches

Length=196

Score = 306 bits (338), Expect = 2e-84

Identities = 186/196 (95%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG	1708
Sbjct	1	GCTCTTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTGCCG	60
Query	1709	ACAGTGGTCCCAAAGATGGACCCCACCGAAGGAGCATCGTGGAAAAGAACG	1767
Sbjct	61	ACAGTGGTCCCAAAGATGGACCCCCACCGAAGGAGCATCGTGGAAAAGAACG	120
Query	1768	CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCACTGACGTAAGGGATG	1827
Sbjct	121	CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCACTGACGTAAGGGATG	180
Query	1828	GCACAATCCCAC T A T C 1843	
Sbjct	181	GCACAATCCCAC T A T C 196	

>lcl|Amplicon 313 non-redundant amplicon of 7 matches

Length=191

Score = 306 bits (338), Expect = 2e-84
Identities = 191/210 (91%), Gaps = 19/210 (9%)
Strand=Plus/Plus

Query	2379	ATGGTGGATGGCATGATGTTGGTTTGCAAGGGATTGAGTTGCCAGCTCCCAA	2438
Sbjct	1	ATGGTGGATGGCATGATGTTGGTTTGCAAGGGATTGAGTTGCCAGCTCCCAA	60
Query	2439	GGCCAGTTAGGCCAGTTACCCAGATCTGAGTCGACCTGCAGGCATGCCGCTGAAATCAC	2498
Sbjct	61	GGCCAGTTAGGCCAGTTACCCAGATCTGA-----CGCTGAAATCAC	101
Query	2499	CAGtctctctacaatcttatctctataATAATGTGTGAGTAGTCCCAGATAAG	2558
Sbjct	102	CAGTCTCTCTACAATCTATCTCTCTATAATAATGTGTGAGTAGTCCCAGATAAG	161
Query	2559	GGAATTAGGGTTCTTATAGGGTTCGCTCA	2588
Sbjct	162	GGAATTAGGGTTCTTATAGGGTTTCGCTCA	191

>[lcl|Amplicon 375 non-redundant amplicon of 6 matches](#)

Length=198

Score = 289 bits (320), Expect = 2e-79
Identities = 183/193 (95%), Gaps = 5/193 (3%)
Length=198

Score = 289 bits (320), Expect = 2e-79
Identities = 183/193 (95%), Gaps = 5/193 (3%)
Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTGCCG	60
Query	1709	ACAGTGGTCCC-AAAGATGGACCCCCACCCACGAGGAGCATCGTGG-AAAAAGAACGT	1766
Sbjct	61	ACAGTGGTCCC-AAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGT	120
Query	1767	TCCAA-CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACT-GACGTAAGGGAT	1824
Sbjct	121	TCCAACCCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACT-ANNGAT	179
Query	1825	GACGCACAATCCC	1837
Sbjct	180	GACGCACAATCCC	192

>[lcl|Amplicon 576 non-redundant amplicon of 2 matches](#)

Length=212

Score = 289 bits (320), Expect = 2e-79
Identities = 189/212 (89%), Gaps = 17/212 (8%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTGCCG	60
Query	1709	ACAGTGGTCCC-AAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCC-AAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC	120
Query	1769	CAACCACGTCTTC-----AAAGCAAGTGGATTGATGTGATATCTCCAC	1811
Sbjct	121	CAACCACGTCTCAAACCGGGTGGCAGGTAAAGCAAGTGGATTGATGTGACATCTCCAC	180
Query	1812	TGACGTAAGGGATGACGCACAATCCCACTATC	1843
Sbjct	181	TGACGTAAGGGATGACGCACAATCCCACTATC	212

>[lcl|Amplicon 489 non-redundant amplicon of 4 matches](#)

Length=235

Score = 286 bits (316), Expect = 2e-78
Identities = 158/158 (100%), Gaps = 0/158 (0%) Strand=Plus/Plus

Query	1649	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTGCCG	1708
Sbjct	1	GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCCTGCCG	60
Query	1709	ACAGTGGTCCC-AAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC	1768
Sbjct	61	ACAGTGGTCCC-AAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC	120
Query	1769	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATC	1806
Sbjct	121	CAACCACGTCTCAAAGCAAGTGGATTGATGTGATATC	158

Score = 73.4 bits (80), Expect = 2e-14
Identities = 40/40 (100%), Gaps = 0/40 (0%)
Strand=Plus/Plus
Score = 73.4 bits (80), Expect = 2e-14

Score = 257 bits (284), Expect = 9e-70
Identities = 174/195 (89%), Gaps = 0/195 (0%)
Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTACCT 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
| ||||||||||||||||||||||||||||| ||| |||||||||||||
Sbjct 61 ATAGTGGTCCCAAAGATGGACCCCCACCCATGAGGAGCATGGTAGAAAAAGAACGTTC 120
Query 1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||| ||| ||||||||||||||||| ||| ||| ||| |||
Sbjct 121 CAACCATGTCTTCAAAGCAAGTGGATTGATGTGATCCTCCAATGACGTAAGGGATGACG 180
Query 1829 CACAATCCCCTACTAC 1843
||||||| |||
Sbjct 181 TCAAATCCCCTACTAC 195

>lcl|Amplicon 785 non-redundant amplicon of 2 matches

Length=190

Score = 248 bits (274), Expect = 5e-67
Identities = 176/195 (90%), Gaps = 5/195 (3%)
Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||| |||||||||||||||||||||||||||||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAAGAA-GGCTATCATTCAAGATCTCTGCCG 59
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
| ||||||| ||| |||||||||||||||||||||||||
Sbjct 60 ACAGTGGTCCCAAAGAATGGACCCCCACCCACGAAGAGCATCGTGGAAAAAGAACGTTC 119
Query 1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||| ||| ||||||||||||||||| ||| ||| ||| |||
Sbjct 60 ACAGTGGTCCCAAAGAATGGACCCCCACCCACGAAGAGCATCGTGGAAAAAGAACGTTC 119
Query 1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
| ||||||| ||| ||||||||||||||||| ||| ||| ||| |||
Sbjct 120 C-ACCACGTCTTC-AAGCAAGTGGATTGATGTGACATCT-CACTGACGTAAGGGATGACG 175
Query 1829 CACAATCCCCTACTAC 1843
||| ||| |||
Sbjct 176 CACCACGTCTTCAAAG 190

>lcl|Amplicon 621 non-redundant amplicon of 10 matches

Length=170

Score = 248 bits (274), Expect = 5e-67
Identities = 170/195 (87%), Gaps = 25/195 (13%) Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCA-CGTTGAAGATGCCTCTGCCG 59
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
| ||||||| ||| |||||||||||||||||||||
Sbjct 60 ACAGTGGTCCCA--GATGGACCCCCACCCACGAAGAGCATCGTGGAAAAAGAACGTTC 117
Query 1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||| ||| |||
Sbjct 118 CAACCACGTCTTCAAAG-----CCACTGACGTAAGGGATGACG 155
Query 1829 CACAATCCCCTACTAC 1843
||||||| |||
Sbjct 156 CACAATCCCCTACTAC 170

>lcl|Amplicon 128 non-redundant amplicon of 54 matches

Length=195

Score = 248 bits (274), Expect = 5e-67
Identities = 172/195 (88%), Gaps = 0/195 (0%)
Strand=Plus/Plus

Query 1649 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 1708
|||||||||||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTACCT 60
Query 1709 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTC 1768
| ||||||||||||||||||||||||| ||| |||||||||||||
Sbjct 61 ATAGTGGTCCCAAAGATGGACCCCCACCCATGAGGAGCATGGTAGAAAAAGAACGTTC 120
Query 1769 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 1828
||||||| ||| ||||||||||||||||| ||| ||| ||| |||
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATCCTCCAATGACGTAAGGGATGACG 180
Query 1829 CACAATCCCCTACTAC 1843
||||||| |||
Sbjct 181 TCAAATCCCCTACTAC 195

>lcl|Amplicon_354 non-redundant amplicon of 5 matches

Length=170

Score = 241 bits (266), Expect = 7e-65
Identities = 133/133 (100%), Gaps = 0/133 (0%) Strand=Plus/Plus

Query	1596	CCATTGCCAGCTATCTGCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTA	1655
Sbjct	38	CCATTGCCAGCTATCTGCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTA	97
Query	1596	CCATTGCCAGCTATCTGCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTA	1655
Sbjct	38	CCATTGCCAGCTATCTGCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTA	97
Query	1656	CAAATGCCATCATTGCGATAAAAGGAAAGGCCATCGTTGAAGATGCCCTGCCGACAGTGG	1715
Sbjct	98	CAAATGCCATCATTGCGATAAAAGGAAAGGCCATCGTTGAAGATGCCCTGCCGACAGTGG	157
Query	1716	TCCCCAAAGATGGA 1728	
Sbjct	158	TCCCCAAAGATGGA 170	

>lcl|Amplicon_36 non-redundant amplicon of 2906 matches

Length=123

Score = 223 bits (246), Expect = 2e-59
Identities = 123/123 (100%), Gaps = 0/123 (0%)
Strand=Plus/Plus

Query	1772	CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC	1831
Sbjct	1	CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC	60
Query	1832	AATCCCACATCCTTCGCAAGACCCTTCCTCATATAAGGAAGTTCATTCATTGGAGA	1891
Sbjct	61	AATCCCACATCCTTCGCAAGACCCTTCCTCATATAAGGAAGTTCATTCATTGGAGA	120
Query	1892	GGA 1894	
Sbjct	121	GGA 123	

>lcl|Amplicon_458 non-redundant amplicon of 11 matches

Length=123

Score = 221 bits (244), Expect = 7e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%)
Strand=Plus/Plus

Query	1773	CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA	1832
Sbjct	2	CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA	61
Query	1833	ATCCCACATCCTTCGCAAGACCCTTCCTCATATAAGGAAGTTCATTCATTGGAGAG	1892
Sbjct	62	ATCCCACATCCTTCGCAAGACCCTTCCTCATATAAGGAAGTTCATTCATTGGAGAG	121
Query	1893	GA 1894	
Sbjct	122	GA 123	

>lcl|Amplicon_261 non-redundant amplicon of 16 matches

Length=123

Score = 221 bits (244), Expect = 7e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%)
Strand=Plus/Plus

Query	1772	CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC	1831
Sbjct	1	CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC	60
Query	1832	AATCCCACATCCTTCGCAAGACCCTTCCTCATATAAGGAAGTTCATTCATTGGAGA	1891
Sbjct	61	AATCCCACATCCTTCGCAAGACCCTTCCTCATATAAGGAAGTTCATTCATTGGAGA	120
Query	1892	GG 1893	
Query	1892	GG 1893	
Sbjct	121	GG 122	

>lcl|Amplicon_119 non-redundant amplicon of 56 matches

Length=122

Score = 221 bits (244), Expect = 7e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus

Query	1772	CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC	1831
Sbjct	1	CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC	60
Query	1832	AATCCCACATCCTTCGCAAGACCCTTCCTCATATAAGGAAGTTCATTCATTGGAGA	1891
Sbjct	121	CC 122	

Sbjct 61 AATCCCACTATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1892 GG 1893
||
Sbjct 121 GG 122
>lcl|Amplicon 249 non-redundant amplicon of 392 matches
Length=123
Score = 221 bits (244), Expect = 7e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%)
Strand=Plus/Plus
Query 1772 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1831
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1832 AATCCCACTATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGA 1891
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACTATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1892 GG 1893
||
Sbjct 121 GG 122
>lcl|Amplicon 178 non-redundant amplicon of 69 matches
Length=123
Score = 221 bits (244), Expect = 7e-59
Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus
Query 1772 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1831
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1832 AATCCCACTATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGA 1891
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACTATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1892 GG 1893
||
Sbjct 121 GG 122
>lcl|Amplicon 712 non-redundant amplicon of 1 matches
Length=123
Score = 219 bits (242), Expect = 2e-58
Length=123
Score = 219 bits (242), Expect = 2e-58
Identities = 121/121 (100%), Gaps = 0/121 (0%)
Strand=Plus/Plus
Query 1774 ACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAA 1833
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 3 ACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAA 62
Query 1834 TCCCACATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGAGG 1893
||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 63 TCCCACATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGAGG 122
Query 1894 A 1894
|
Sbjct 123 A 123
>lcl|Amplicon 484 non-redundant amplicon of 1 matches
Length=123
Score = 219 bits (242), Expect = 2e-58
Identities = 121/121 (100%), Gaps = 0/121 (0%) Strand=Plus/Plus
Query 1772 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1831
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1832 AATCCCACTATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGA 1891
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 61 AATCCCACTATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGA 120
Query 1892 G 1892
|
Sbjct 121 G 121
>lcl|Amplicon 226 non-redundant amplicon of 5 matches
Length=123
Score = 219 bits (242), Expect = 2e-58
Identities = 121/121 (100%), Gaps = 0/121 (0%) Strand=Plus/Plus
Query 1772 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1831
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
Query 1832 AATCCCACTATCCTTCGCAAGACCCCTCCTATATAAGGAAGTTCATTCATTGGAGA 1891
||||||||||||||||||||||||||||||||||||||||||||

Sbjct 61 AATCCCACTATCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGA 120
 Query 1892 G 1892
 |
 Sbjct 121 G 121
 >lcl|Amplicon_48 non-redundant amplicon of 966 matches
 Length=123
 Score = 219 bits (242), Expect = 2e-58
 Identities = 121/121 (100%), Gaps = 0/121 (0%)
 Strand=Plus/Plus
 Query 1772 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1831
 |||||||
 Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
 Query 1772 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 1831
 |||||||
 Sbjct 1 CCACGTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
 Query 1832 AATCCCACTATCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGA 1891
 |||||||
 Sbjct 61 AATCCCACTATCCTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTGAGA 120
 Query 1892 G 1892
 |
 Sbjct 121 G 121
 Lambda K H
 0.634 0.408 0.912
 Gapped
 Lambda K H
 0.625 0.410 0.780
 Effective search space used: 269557258

Query= P35S-pat2

Length=973

Sequences producing significant alignments:

lcl|Amplicon_324 non-redundant amplicon of 20 matches
 lcl|Amplicon_26 non-redundant amplicon of 1110 matches
 lcl|Amplicon_449 non-redundant amplicon of 4 matches
 lcl|Amplicon_298 non-redundant amplicon of 6 matches
 lcl|Amplicon_103 non-redundant amplicon of 70 matches
 lcl|Amplicon_545 non-redundant amplicon of 12 matches
 lcl|Amplicon_321 non-redundant amplicon of 10 matches
 lcl|Amplicon_145 non-redundant amplicon of 32 matches
 lcl|Amplicon_48 non-redundant amplicon of 966 matches
 lcl|Amplicon_484 non-redundant amplicon of 1 matches
 lcl|Amplicon_712 non-redundant amplicon of 1 matches
 lcl|Amplicon_694 non-redundant amplicon of 2 matches
 lcl|Amplicon_681 non-redundant amplicon of 2 matches
 lcl|Amplicon_678 non-redundant amplicon of 1 matches
 lcl|Amplicon_666 non-redundant amplicon of 22 matches
 lcl|Amplicon_510 non-redundant amplicon of 2 matches
 lcl|Amplicon_458 non-redundant amplicon of 11 matches
 lcl|Amplicon_261 non-redundant amplicon of 16 matches
 lcl|Amplicon_226 non-redundant amplicon of 5 matches
 lcl|Amplicon_313 non-redundant amplicon of 7 matches
 lcl|Amplicon_314 non-redundant amplicon of 7 matches
 lcl|Amplicon_119 non-redundant amplicon of 56 matches
 lcl|Amplicon_249 non-redundant amplicon of 392 matches
 lcl|Amplicon_178 non-redundant amplicon of 69 matches
 lcl|Amplicon_36 non-redundant amplicon of 2906 matches
 lcl|Amplicon_79 non-redundant amplicon of 3 matches
 lcl|Amplicon_105 non-redundant amplicon of 183 matches
 lcl|Amplicon_104 non-redundant amplicon of 168 matches
 lcl|Amplicon_109 non-redundant amplicon of 45 matches
 lcl|Amplicon_108 non-redundant amplicon of 45 matches
 lcl|Amplicon_695 non-redundant amplicon of 1 matches
 lcl|Amplicon_675 non-redundant amplicon of 1 matches
 lcl|Amplicon_442 non-redundant amplicon of 2 matches
 lcl|Amplicon_724 non-redundant amplicon of 1 matches
 lcl|Amplicon_687 non-redundant amplicon of 2 matches
 lcl|Amplicon_669 non-redundant amplicon of 1 matches
 lcl|Amplicon_664 non-redundant amplicon of 1 matches

Score (Bits)	E Value
<u>342</u>	9e-96
<u>197</u>	3e-52
<u>192</u>	1e-50
<u>192</u>	1e-50
<u>192</u>	1e-50
<u>190</u>	4e-50
<u>190</u>	4e-50
<u>188</u>	1e-49
<u>181</u>	2e-47
<u>179</u>	7e-47
<u>178</u>	2e-46
<u>176</u>	8e-46
<u>172</u>	1e-44

lcl Amplicon_662	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_661	non-redundant amplicon of 6 matches	172	1e-44
lcl Amplicon_669	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_664	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_662	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_661	non-redundant amplicon of 6 matches	172	1e-44
lcl Amplicon_656	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_297	non-redundant amplicon of 22 matches	172	1e-44
lcl Amplicon_594	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_514	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_463	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_454	non-redundant amplicon of 1 matches	172	1e-44
lcl Amplicon_287	non-redundant amplicon of 6 matches	172	1e-44
lcl Amplicon_91	non-redundant amplicon of 3 matches	172	1e-44
lcl Amplicon_98	non-redundant amplicon of 6 matches	172	1e-44
lcl Amplicon_300	non-redundant amplicon of 3 matches	172	1e-44
lcl Amplicon_58	non-redundant amplicon of 7 matches	172	1e-44
lcl Amplicon_332	non-redundant amplicon of 3 matches	172	1e-44
lcl Amplicon_9	non-redundant amplicon of 3 matches	172	1e-44
lcl Amplicon_306	non-redundant amplicon of 3 matches	172	1e-44
lcl Amplicon_741	non-redundant amplicon of 2 matches	172	1e-44
lcl Amplicon_13	non-redundant amplicon of 2835 matches	172	1e-44
lcl Amplicon_504	non-redundant amplicon of 1 matches	170	4e-44
lcl Amplicon_378	non-redundant amplicon of 3 matches	168	1e-43
lcl Amplicon_781	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_733	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_718	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_715	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_707	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_659	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_645	non-redundant amplicon of 2 matches	168	1e-43
lcl Amplicon_592	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_476	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_469	non-redundant amplicon of 1 matches	168	1e-43
lcl Amplicon_290	non-redundant amplicon of 3 matches	168	1e-43
lcl Amplicon_153	non-redundant amplicon of 25 matches	168	1e-43
lcl Amplicon_238	non-redundant amplicon of 44 matches	168	1e-43
lcl Amplicon_43	non-redundant amplicon of 9 matches	168	1e-43
lcl Amplicon_45	non-redundant amplicon of 597 matches	168	1e-43
lcl Amplicon_139	non-redundant amplicon of 84 matches	168	1e-43
lcl Amplicon_761	non-redundant amplicon of 1 matches	167	4e-43
lcl Amplicon_631	non-redundant amplicon of 4 matches	167	4e-43
lcl Amplicon_623	non-redundant amplicon of 1 matches	165	2e-42
lcl Amplicon_585	non-redundant amplicon of 3 matches	165	2e-42
lcl Amplicon_490	non-redundant amplicon of 1 matches	165	2e-42
lcl Amplicon_340	non-redundant amplicon of 3 matches	165	2e-42
lcl Amplicon_736	non-redundant amplicon of 2 matches	165	2e-42
lcl Amplicon_727	non-redundant amplicon of 1 matches	163	5e-42
lcl Amplicon_467	non-redundant amplicon of 1 matches	163	5e-42
lcl Amplicon_460	non-redundant amplicon of 1 matches	163	5e-42
lcl Amplicon_359	non-redundant amplicon of 6 matches	161	2e-41
lcl Amplicon_629	non-redundant amplicon of 1 matches	161	2e-41
lcl Amplicon_163	non-redundant amplicon of 10 matches	161	2e-41
lcl Amplicon_150	non-redundant amplicon of 13 matches	159	6e-41
lcl Amplicon_774	non-redundant amplicon of 1 matches	159	6e-41
lcl Amplicon_286	non-redundant amplicon of 7 matches	158	2e-40
lcl Amplicon_447	non-redundant amplicon of 4 matches	158	2e-40
lcl Amplicon_599	non-redundant amplicon of 1 matches	154	3e-39
lcl Amplicon_602	non-redundant amplicon of 2 matches	147	4e-37
lcl Amplicon_457	non-redundant amplicon of 1 matches	145	1e-36
lcl Amplicon_448	non-redundant amplicon of 4 matches	143	5e-36
lcl Amplicon_318	non-redundant amplicon of 5 matches	138	2e-34
lcl Amplicon_25	non-redundant amplicon of 1014 matches	123	5e-30
lcl Amplicon_376	non-redundant amplicon of 3 matches	120	6e-29
lcl Amplicon_643	non-redundant amplicon of 2 matches	120	6e-29
lcl Amplicon_647	non-redundant amplicon of 2 matches	118	2e-28
lcl Amplicon_554	non-redundant amplicon of 8 matches	114	2e-27
lcl Amplicon_373	non-redundant amplicon of 3 matches	114	2e-27

lcl Amplicon_202	non-redundant amplicon of 22 matches	114	2e-27
lcl Amplicon_325	non-redundant amplicon of 32 matches	114	2e-27
lcl Amplicon_705	non-redundant amplicon of 2 matches	113	8e-27
lcl Amplicon_685	non-redundant amplicon of 2 matches	113	8e-27
lcl Amplicon_680	non-redundant amplicon of 1 matches	113	8e-27
lcl Amplicon_325	non-redundant amplicon of 32 matches	114	2e-27
lcl Amplicon_705	non-redundant amplicon of 2 matches	113	8e-27
lcl Amplicon_685	non-redundant amplicon of 2 matches	113	8e-27
lcl Amplicon_680	non-redundant amplicon of 1 matches	113	8e-27
lcl Amplicon_412	non-redundant amplicon of 5 matches	113	8e-27
lcl Amplicon_11	non-redundant amplicon of 4568 matches	113	8e-27
lcl Amplicon_81	non-redundant amplicon of 3 matches	111	3e-26
lcl Amplicon_46	non-redundant amplicon of 641 matches	111	3e-26
lcl Amplicon_255	non-redundant amplicon of 11 matches	109	1e-25
lcl Amplicon_464	non-redundant amplicon of 1 matches	109	1e-25
lcl Amplicon_23	non-redundant amplicon of 9 matches	109	1e-25
lcl Amplicon_658	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_729	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_726	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_704	non-redundant amplicon of 2 matches	107	4e-25
lcl Amplicon_702	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_689	non-redundant amplicon of 2 matches	107	4e-25
lcl Amplicon_684	non-redundant amplicon of 2 matches	107	4e-25
lcl Amplicon_682	non-redundant amplicon of 2 matches	107	4e-25
lcl Amplicon_679	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_677	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_667	non-redundant amplicon of 28 matches	107	4e-25
lcl Amplicon_663	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_596	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_539	non-redundant amplicon of 1 matches	107	4e-25
lcl Amplicon_512	non-redundant amplicon of 2 matches	107	4e-25
lcl Amplicon_315	non-redundant amplicon of 7 matches	107	4e-25
lcl Amplicon_206	non-redundant amplicon of 22 matches	107	4e-25
lcl Amplicon_334	non-redundant amplicon of 3 matches	107	4e-25
lcl Amplicon_19	non-redundant amplicon of 1106 matches	107	4e-25
lcl Amplicon_308	non-redundant amplicon of 3 matches	107	4e-25
lcl Amplicon_743	non-redundant amplicon of 2 matches	107	4e-25
lcl Amplicon_107	non-redundant amplicon of 156 matches	107	4e-25
lcl Amplicon_10	non-redundant amplicon of 5176 matches	107	4e-25
lcl Amplicon_625	non-redundant amplicon of 1 matches	105	1e-24
lcl Amplicon_506	non-redundant amplicon of 1 matches	105	1e-24
lcl Amplicon_80	non-redundant amplicon of 3 matches	105	1e-24
lcl Amplicon_738	non-redundant amplicon of 2 matches	105	1e-24
lcl Amplicon_379	non-redundant amplicon of 3 matches	104	4e-24
lcl Amplicon_362	non-redundant amplicon of 6 matches	104	4e-24
lcl Amplicon_478	non-redundant amplicon of 1 matches	104	4e-24
lcl Amplicon_155	non-redundant amplicon of 13 matches	104	4e-24
lcl Amplicon_141	non-redundant amplicon of 87 matches	104	4e-24
lcl Amplicon_624	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_762	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_728	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_725	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_701	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_696	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_688	non-redundant amplicon of 2 matches	102	2e-23
lcl Amplicon_676	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_657	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_606	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_595	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_538	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_515	non-redundant amplicon of 1 matches	102	2e-23
lcl Amplicon_288	non-redundant amplicon of 6 matches	102	2e-23
lcl Amplicon_92	non-redundant amplicon of 3 matches	102	2e-23
lcl Amplicon_99	non-redundant amplicon of 6 matches	102	2e-23
lcl Amplicon_333	non-redundant amplicon of 3 matches	102	2e-23
lcl Amplicon_307	non-redundant amplicon of 3 matches	102	2e-23
lcl Amplicon_742	non-redundant amplicon of 2 matches	102	2e-23
lcl Amplicon_16	non-redundant amplicon of 2860 matches	102	2e-23

lcl Amplicon_505	non-redundant amplicon of 1 matches	<u>100</u>	5e-23
lcl Amplicon_129	non-redundant amplicon of 9 matches	<u>100</u>	5e-23
lcl Amplicon_470	non-redundant amplicon of 1 matches	<u>98.7</u>	2e-22
lcl Amplicon_361	non-redundant amplicon of 6 matches	<u>98.7</u>	2e-22
lcl Amplicon_408	non-redundant amplicon of 3 matches	<u>98.7</u>	2e-22
lcl Amplicon_719	non-redundant amplicon of 1 matches	<u>98.7</u>	2e-22
lcl Amplicon_717	non-redundant amplicon of 1 matches	<u>98.7</u>	2e-22
lcl Amplicon_408	non-redundant amplicon of 3 matches	<u>98.7</u>	2e-22
lcl Amplicon_719	non-redundant amplicon of 1 matches	<u>98.7</u>	2e-22
lcl Amplicon_717	non-redundant amplicon of 1 matches	<u>98.7</u>	2e-22
lcl Amplicon_708	non-redundant amplicon of 1 matches	<u>98.7</u>	2e-22
lcl Amplicon_660	non-redundant amplicon of 2 matches	<u>98.7</u>	2e-22
lcl Amplicon_151	non-redundant amplicon of 13 matches	<u>98.7</u>	2e-22
lcl Amplicon_502	non-redundant amplicon of 1 matches	<u>98.7</u>	2e-22
lcl Amplicon_477	non-redundant amplicon of 1 matches	<u>98.7</u>	2e-22
lcl Amplicon_154	non-redundant amplicon of 25 matches	<u>98.7</u>	2e-22
lcl Amplicon_132	non-redundant amplicon of 9 matches	<u>98.7</u>	2e-22
lcl Amplicon_232	non-redundant amplicon of 19 matches	<u>98.7</u>	2e-22
lcl Amplicon_120	non-redundant amplicon of 108 matches	<u>98.7</u>	2e-22
lcl Amplicon_231	non-redundant amplicon of 30 matches	<u>98.7</u>	2e-22
lcl Amplicon_737	non-redundant amplicon of 2 matches	<u>98.7</u>	2e-22
lcl Amplicon_140	non-redundant amplicon of 93 matches	<u>98.7</u>	2e-22
lcl Amplicon_492	non-redundant amplicon of 2 matches	<u>96.9</u>	6e-22
lcl Amplicon_165	non-redundant amplicon of 10 matches	<u>96.9</u>	6e-22
lcl Amplicon_632	non-redundant amplicon of 4 matches	<u>95.1</u>	2e-21
lcl Amplicon_462	non-redundant amplicon of 1 matches	<u>93.3</u>	8e-21
lcl Amplicon_452	non-redundant amplicon of 3 matches	<u>93.3</u>	8e-21
lcl Amplicon_214	non-redundant amplicon of 9 matches	<u>93.3</u>	8e-21
lcl Amplicon_121	non-redundant amplicon of 63 matches	<u>93.3</u>	8e-21
lcl Amplicon_600	non-redundant amplicon of 1 matches	<u>91.5</u>	3e-20
lcl Amplicon_491	non-redundant amplicon of 2 matches	<u>91.5</u>	3e-20
lcl Amplicon_205	non-redundant amplicon of 17 matches	<u>91.5</u>	3e-20
lcl Amplicon_203	non-redundant amplicon of 17 matches	<u>91.5</u>	3e-20
lcl Amplicon_164	non-redundant amplicon of 10 matches	<u>91.5</u>	3e-20
lcl Amplicon_204	non-redundant amplicon of 28 matches	<u>91.5</u>	3e-20
lcl Amplicon_789	non-redundant amplicon of 76 matches	<u>89.7</u>	9e-20
lcl Amplicon_732	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_731	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_730	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_720	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_713	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_711	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_710	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_709	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_703	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_700	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_699	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_698	non-redundant amplicon of 14 matches	<u>89.7</u>	9e-20
lcl Amplicon_697	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_693	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_692	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_691	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_683	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_674	non-redundant amplicon of 6 matches	<u>89.7</u>	9e-20
lcl Amplicon_673	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_671	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_668	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_665	non-redundant amplicon of 8 matches	<u>89.7</u>	9e-20
lcl Amplicon_644	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_584	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_577	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_509	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_501	non-redundant amplicon of 2 matches	<u>89.7</u>	9e-20
lcl Amplicon_500	non-redundant amplicon of 10 matches	<u>89.7</u>	9e-20
lcl Amplicon_292	non-redundant amplicon of 6 matches	<u>89.7</u>	9e-20
lcl Amplicon_273	non-redundant amplicon of 6 matches	<u>89.7</u>	9e-20
lcl Amplicon_71	non-redundant amplicon of 8 matches	<u>89.7</u>	9e-20
lcl Amplicon_68	non-redundant amplicon of 12 matches	<u>89.7</u>	9e-20

lcl Amplicon_57	non-redundant amplicon of 14 matches	<u>89.7</u>	9e-20
lcl Amplicon_67	non-redundant amplicon of 48 matches	<u>89.7</u>	9e-20
lcl Amplicon_93	non-redundant amplicon of 62 matches	<u>89.7</u>	9e-20
lcl Amplicon_279	non-redundant amplicon of 28 matches	<u>89.7</u>	9e-20
lcl Amplicon_428	non-redundant amplicon of 8 matches	<u>89.7</u>	9e-20
lcl Amplicon_411	non-redundant amplicon of 10 matches	<u>89.7</u>	9e-20
lcl Amplicon_218	non-redundant amplicon of 8 matches	<u>89.7</u>	9e-20
lcl Amplicon_266	non-redundant amplicon of 178 matches	<u>89.7</u>	9e-20
lcl Amplicon_301	non-redundant amplicon of 24 matches	<u>89.7</u>	9e-20
lcl Amplicon_218	non-redundant amplicon of 8 matches	<u>89.7</u>	9e-20
lcl Amplicon_266	non-redundant amplicon of 178 matches	<u>89.7</u>	9e-20
lcl Amplicon_301	non-redundant amplicon of 24 matches	<u>89.7</u>	9e-20
lcl Amplicon_353	non-redundant amplicon of 6 matches	<u>89.7</u>	9e-20
lcl Amplicon_346	non-redundant amplicon of 12 matches	<u>89.7</u>	9e-20
lcl Amplicon_339	non-redundant amplicon of 6 matches	<u>89.7</u>	9e-20
lcl Amplicon_328	non-redundant amplicon of 18 matches	<u>89.7</u>	9e-20
lcl Amplicon_317	non-redundant amplicon of 10 matches	<u>89.7</u>	9e-20
lcl Amplicon_268	non-redundant amplicon of 190 matches	<u>89.7</u>	9e-20
lcl Amplicon_50	non-redundant amplicon of 308 matches	<u>89.7</u>	9e-20
lcl Amplicon_739	non-redundant amplicon of 4 matches	<u>89.7</u>	9e-20
lcl Amplicon_33	non-redundant amplicon of 2740 matches	<u>89.7</u>	9e-20
lcl Amplicon_174	non-redundant amplicon of 78 matches	<u>89.7</u>	9e-20
lcl Amplicon_47	non-redundant amplicon of 6422 matches	<u>89.7</u>	9e-20
lcl Amplicon_78	non-redundant amplicon of 6 matches	<u>87.8</u>	3e-19
lcl Amplicon_546	non-redundant amplicon of 2 matches	<u>86.0</u>	1e-18
lcl Amplicon_200	non-redundant amplicon of 112 matches	<u>86.0</u>	1e-18
lcl Amplicon_194	non-redundant amplicon of 40 matches	<u>86.0</u>	1e-18
lcl Amplicon_152	non-redundant amplicon of 66 matches	<u>86.0</u>	1e-18
lcl Amplicon_780	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_766	non-redundant amplicon of 4 matches	<u>84.2</u>	4e-18
lcl Amplicon_760	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_758	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_751	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_723	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_690	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_686	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_670	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_615	non-redundant amplicon of 4 matches	<u>84.2</u>	4e-18
lcl Amplicon_605	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_593	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_576	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_564	non-redundant amplicon of 4 matches	<u>84.2</u>	4e-18
lcl Amplicon_513	non-redundant amplicon of 2 matches	<u>84.2</u>	4e-18
lcl Amplicon_465	non-redundant amplicon of 4 matches	<u>84.2</u>	4e-18
lcl Amplicon_90	non-redundant amplicon of 6 matches	<u>84.2</u>	4e-18
lcl Amplicon_97	non-redundant amplicon of 12 matches	<u>84.2</u>	4e-18
lcl Amplicon_372	non-redundant amplicon of 6 matches	<u>84.2</u>	4e-18
lcl Amplicon_383	non-redundant amplicon of 18 matches	<u>84.2</u>	4e-18
lcl Amplicon_245	non-redundant amplicon of 52 matches	<u>84.2</u>	4e-18
lcl Amplicon_42	non-redundant amplicon of 18 matches	<u>84.2</u>	4e-18
lcl Amplicon_327	non-redundant amplicon of 12 matches	<u>84.2</u>	4e-18
lcl Amplicon_201	non-redundant amplicon of 182 matches	<u>84.2</u>	4e-18
lcl Amplicon_305	non-redundant amplicon of 6 matches	<u>84.2</u>	4e-18
lcl Amplicon_740	non-redundant amplicon of 4 matches	<u>84.2</u>	4e-18
lcl Amplicon_125	non-redundant amplicon of 742 matches	<u>84.2</u>	4e-18
lcl Amplicon_12	non-redundant amplicon of 4816 matches	<u>84.2</u>	4e-18
lcl Amplicon_714	non-redundant amplicon of 2 matches	<u>82.4</u>	1e-17
lcl Amplicon_630	non-redundant amplicon of 8 matches	<u>82.4</u>	1e-17
lcl Amplicon_598	non-redundant amplicon of 2 matches	<u>82.4</u>	1e-17
lcl Amplicon_503	non-redundant amplicon of 2 matches	<u>82.4</u>	1e-17
lcl Amplicon_296	non-redundant amplicon of 4 matches	<u>80.6</u>	5e-17
lcl Amplicon_358	non-redundant amplicon of 12 matches	<u>80.6</u>	5e-17
lcl Amplicon_706	non-redundant amplicon of 2 matches	<u>80.6</u>	5e-17
lcl Amplicon_468	non-redundant amplicon of 2 matches	<u>80.6</u>	5e-17
lcl Amplicon_289	non-redundant amplicon of 6 matches	<u>80.6</u>	5e-17
lcl Amplicon_166	non-redundant amplicon of 44 matches	<u>80.6</u>	5e-17
lcl Amplicon_735	non-redundant amplicon of 4 matches	<u>80.6</u>	5e-17

lcl Amplicon_138	non-redundant amplicon of 132 matches	<u>80.6</u>	5e-17
lcl Amplicon_18	non-redundant amplicon of 166 matches	<u>77.0</u>	6e-16
lcl Amplicon_459	non-redundant amplicon of 2 matches	<u>75.2</u>	2e-15
lcl Amplicon_495	non-redundant amplicon of 1 matches	<u>73.4</u>	7e-15
lcl Amplicon_489	non-redundant amplicon of 4 matches	<u>73.4</u>	7e-15
lcl Amplicon_162	non-redundant amplicon of 20 matches	<u>73.4</u>	7e-15
lcl Amplicon_722	non-redundant amplicon of 2 matches	<u>71.6</u>	3e-14
lcl Amplicon_721	non-redundant amplicon of 10 matches	<u>71.6</u>	3e-14
lcl Amplicon_316	non-redundant amplicon of 3 matches	<u>71.6</u>	3e-14
lcl Amplicon_621	non-redundant amplicon of 10 matches	<u>66.2</u>	1e-12
lcl Amplicon_371	non-redundant amplicon of 6 matches	<u>66.2</u>	1e-12
lcl Amplicon_785	non-redundant amplicon of 2 matches	<u>64.4</u>	4e-12
lcl Amplicon_316	non-redundant amplicon of 3 matches	<u>71.6</u>	3e-14
lcl Amplicon_621	non-redundant amplicon of 10 matches	<u>66.2</u>	1e-12
lcl Amplicon_371	non-redundant amplicon of 6 matches	<u>66.2</u>	1e-12
lcl Amplicon_785	non-redundant amplicon of 2 matches	<u>64.4</u>	4e-12
> <u>lcl Amplicon_324 non-redundant amplicon of 20 matches</u>			

Length=189

Score = 342 bits (378), Expect = 9e-96
 Identities = 189/189 (100%), Gaps = 0/189 (0%) Strand=Plus/Plus

Query 280	CTGGGAGGCCAAGGTATCTAACATTGATCTTCAGTGCAGATATGAT	339
Sbjct 1	CTGGGAGGCCAAGGTATCTAACATTGATCTTCAGTGCAGATATGAT	60
Query 340	ACAAACAACCGCGGTTGACTTGCGCCTTCTGGCGGCTTATCTGTCAGGGCAGACTC	399
Sbjct 61	ACAAACAACCGCGGTTGACTTGCGCCTTCTGGCGGCTTATCTGTCAGGGCAGACTC	120
Query 400	CCGTGTTCCCTCGGATCTGACATGTCTCCGGAGAGGAGACCAGTTGAGATTAGGCCAGC	459
Sbjct 121	CCGTGTTCCCTCGGATCTGACATGTCTCCGGAGAGGAGACCAGTTGAGATTAGGCCAGC	180
Query 460	TACAGCAGC 468	
Sbjct 181	TACAGCAGC 189	

>lcl|Amplicon_26 non-redundant amplicon of 1110 matches

Length=109

Score = 197 bits (218), Expect = 3e-52
 Identities = 109/109 (100%), Gaps = 0/109 (0%) Strand=Plus/Plus

Query 477	CCCGGGTTTGATATCGTTAACCATTAACATTGAGACGCTACAGTGAACCTTAGGACAG	536
Sbjct 1	CCCGGGTTTGATATCGTTAACCATTAACATTGAGACGCTACAGTGAACCTTAGGACAG	60
Query 537	AGCCACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 585	

Sbjct 61 AGCCACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 109

>lcl|Amplicon_449 non-redundant amplicon of 4 matches Length=109

Score = 192 bits (212), Expect = 1e-50

Identities = 108/109 (99%), Gaps = 0/109 (0%) Strand=Plus/Plus

Query 477	CCCGGGTTTGATATCGTTAACCATTAACATTGAGACGCTACAGTGAACCTTAGGACAG	536
Sbjct 1	CCCGGGTTTGATATCGTTAACCATTAACATTGAGACGCTACAGTGAACCTTAGGACAG	60
Query 537	AGCCACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 585	

Sbjct 61 AGCCACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 109

>lcl|Amplicon_298 non-redundant amplicon of 6 matches

Length=109

Score = 192 bits (212), Expect = 1e-50

Identities = 108/109 (99%), Gaps = 0/109 (0%)

Strand=Plus/Plus

Query 477	CCCGGGTTTGATATCGTTAACCATTAACATTGAGACGCTACAGTGAACCTTAGGACAG	536
Sbjct 1	CCCGGGTTTGATATCGTTAACCATTAACATTGAGACGCTACAGTGAACCTTAGGACAG	60
Query 537	AGCCACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 585	

Sbjct 61 AGCCACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 109

>lcl|Amplicon_103 non-redundant amplicon of 70 matches

Length=109

Score = 192 bits (212), Expect = 1e-50

Identities = 106/106 (100%), Gaps = 0/106 (0%) Strand=Plus/Plus

Query 480 CGGTTTGTATCGTTAACCATCATTGAGACGTCTACAGTGAACCTTAGGACAGAGC 539
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 4 CGGTTTGTATCGTTAACCATCATTGAGACGTCTACAGTGAACCTTAGGACAGAGC 63
Query 540 CACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 585
||||||||||||||||||||||||||||||||||||||||
Sbjct 64 CACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 109
>lcl|Amplicon 545 non-redundant amplicon of 12 matches
Length=171
Score = 190 bits (210), Expect = 4e-50
Identities = 107/108 (99%), Gaps = 0/108 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAGAACACGCTGA 108
||||||||||||||||||||||||||||||||
Sbjct 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAGAACACGCTGA 108
>lcl|Amplicon 321 non-redundant amplicon of 10 matches
Length=171
Score = 190 bits (210), Expect = 4e-50
Identities = 107/108 (99%), Gaps = 0/108 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||
Sbjct 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAGAACACGCTGA 108
||||||||||||||||||||||||||||
Sbjct 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAGAACACGCTGA 108
>lcl|Amplicon 145 non-redundant amplicon of 32 matches
Length=109
Score = 188 bits (208), Expect = 1e-49
Identities = 107/109 (98%), Gaps = 0/109 (0%) Strand=Plus/Plus
Query 477 CCGCGGTTTGTGATATCGTTAACCATCATTGAGACGTCTACAGTGAACCTTAGGACAG 536
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 CCGCGGTTTGTGACATCGTTAACCATCATTGAGACGTCTACAGTGAACCTTAGGACAG 60
Query 537 AGCCACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 585
||||||||||||||||||||||||||||||||
Sbjct 1 CCGCGGTTTGTGACATCGTTAACCATCATTGAGACGTCTACAGTGAACCTTAGGACAG 60
Query 537 AGCCACAAACACCACAAGAGTGGATTGATCTAGAGAGGTTGCAAGA 585
||||||||||||||||||||||||||||
Sbjct 61 AGCCACAAACACCACAAGAGTGGATTGACTAGAGAGGTTGCAAGA 109
>lcl|Amplicon 48 non-redundant amplicon of 966 matches
Length=123
Score = 181 bits (200), Expect = 2e-47
Identities = 100/100 (100%), Gaps = 0/100 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAGAA 100
||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAGAA 123
>lcl|Amplicon 484 non-redundant amplicon of 1 matches
Length=123
Score = 179 bits (198), Expect = 7e-47
Identities = 99/99 (100%), Gaps = 0/99 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAGAA 99
||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAGAA 122
>lcl|Amplicon 712 non-redundant amplicon of 1 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60

Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 694 non-redundant amplicon of 2 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 681 non-redundant amplicon of 2 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 678 non-redundant amplicon of 1 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 666 non-redundant amplicon of 22 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 510 non-redundant amplicon of 2 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 458 non-redundant amplicon of 11 matches
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 458 non-redundant amplicon of 11 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%) Strand=Plus/Plus

Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||||||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 261 non-redundant amplicon of 16 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%) Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 226 non-redundant amplicon of 5 matches
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 313 non-redundant amplicon of 7 matches
Length=191
Score = 178 bits (196), Expect = 2e-46
Identities = 101/103 (98%), Gaps = 0/103 (0%) Strand=Plus/Plus
Query 102 ACGCTGAAATCACCAGtctctctacaatcttatctctataataatgtgtgagta 161
||||||||||||||||||||||||||||||||||||
Sbjct 89 ACGCTGAAATCACCAGTCTCTCTACAAATCTATCTCTATAATAATGTGTGAGTA 148
Query 162 GTTCCCAGATAAGGGAATTAGGGTTTTATAGGGCTCGCTCA 204
||||||||||||||||||||||| |||||||||
Sbjct 149 GTTCCCAGATAAGGGAATTAGGGTTCTTATAGGGTTTCGCTCA 191
Score = 161 bits (178), Expect = 2e-41
Identities = 89/89 (100%), Gaps = 0/89 (0%)
Strand=Plus/Plus
Score = 161 bits (178), Expect = 2e-41
Identities = 89/89 (100%), Gaps = 0/89 (0%) Strand=Plus/Plus
Query 885 ATGGTGGATGGCATGATGTTGGTTTGCGCAAAGGGATTTGAGTTGCCAGCTCCCAA 944
||||||||||||||||||||||||||||||||||||
Sbjct 1 ATGGTGGATGGCATGATGTTGGTTTGCGCAAAGGGATTTGAGTTGCCAGCTCCCAA 60
Query 945 GGCCAGTTAGGCCAGTTACCCAGATCTGA 973
|||||||||||||||||||||||
Sbjct 61 GGCCAGTTAGGCCAGTTACCCAGATCTGA 89
>lcl|Amplicon 314 non-redundant amplicon of 7 matches
Length=130
Score = 178 bits (196), Expect = 2e-46
Identities = 101/103 (98%), Gaps = 0/103 (0%)
Strand=Plus/Plus
Query 102 ACGCTGAAATCACCAGtctctctacaatcttatctctataataatgtgtgagta 161
||||||||||||||||||||||||||||||||
Sbjct 28 ACGCTGAAATCACCAGTCTCTCTACAAATCTATCTCTCTATAATAATGTGTGAGTA 87
Query 162 GTTCCCAGATAAGGGAATTAGGGTTTTATAGGGCTCGCTCA 204
|||||||||||||||||||||||
Sbjct 88 GTTCCCAGATAAGGGAATTAGGGTTCTTATAGGGTTTCGCTCA 130
>lcl|Amplicon 119 non-redundant amplicon of 56 matches
Length=122
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||||||||||||||||

Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>[lcl|Amplicon 249 non-redundant amplicon of 392 matches](#)
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||||||||||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>[lcl|Amplicon 178 non-redundant amplicon of 69 matches](#)
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%) Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>[lcl|Amplicon 36 non-redundant amplicon of 2906 matches](#)
Length=123
Score = 178 bits (196), Expect = 2e-46
Identities = 98/98 (100%), Gaps = 0/98 (0%) Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>[lcl|Amplicon 79 non-redundant amplicon of 3 matches](#)
Length=123
Score = 176 bits (194), Expect = 8e-46
Identities = 97/97 (100%), Gaps = 0/97 (0%)
Strand=Plus/Plus
Query 2 GATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGACC 61
||||||||||||||||||||||||||||||||||||
Sbjct 25 GATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGACC 84
Query 62 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||||||||||||||||||||||||
Sbjct 85 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>[lcl|Amplicon 105 non-redundant amplicon of 183 matches](#)
Length=149
Score = 176 bits (194), Expect = 8e-46
Identities = 100/102 (98%), Gaps = 0/102 (0%)
Strand=Plus/Plus
Query 103 CGCTGAAATCACCAAGtctctctacaaatctatctctctataataatgtgtgagtag 162
||||||||||||||||||||||||||||||||||||
Sbjct 48 CGCTGAAATCACCAAGTCTCTCTACAAATCTATCTCTCTATAATAATGTGTGAGTAG 107
Query 163 TTCCCAGATAAGGAATTAGGGTTTTATAGGGCTTCGCTCA 204
||||||||||||||||||||||||||||
Sbjct 108 TTCCCAGATAAGGAATTAGGGTTCTTATAGGGTTTCGCTCA 149
>[lcl|Amplicon 104 non-redundant amplicon of 168 matches](#)
Length=210
Score = 176 bits (194), Expect = 8e-46
Identities = 100/102 (98%), Gaps = 0/102 (0%) Strand=Plus/Plus
Query 103 CGCTGAAATCACCAAGtctctctacaaatctatctctctataataatgtgtgagtag 162
||||||||||||||||||||||||||||||||
Sbjct 109 CGCTGAAATCACCAAGTCTCTCTACAAATCTATCTCTCTATAATAATGTGTGAGTAG 168
Query 163 TTCCCAGATAAGGAATTAGGGTTTTATAGGGCTTCGCTCA 204
||||||||||||||||||||||||
Sbjct 109 CGCTGAAATCACCAAGTCTCTCTACAAATCTATCTCTCTATAATAATGTGTGAGTAG 168
Query 163 TTCCCAGATAAGGAATTAGGGTTTTATAGGGCTTCGCTCA 204
||||||||||||||||||||
Sbjct 169 TTCCCAGATAAGGAATTAGGGTTCTTATAGGGTTTCGCTCA 210
||||||||||||||||||||||||

Score = 161 bits (178), Expect = 2e-41
Identities = 89/89 (100%), Gaps = 0/89 (0%) Strand=Plus/Plus
Query 885 ATGGTGGATGGCATGATGTTGGTTTGCGAAAGGGATTTGAGTTGCCAGCTCCTCCAA 944
||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 ATGGTGGATGGCATGATGTTGGTTTGCGAAAGGGATTTGAGTTGCCAGCTCCTCCAA 60
Query 945 GGCCAGTTAGGCCAGTTACCCAGATCTGA 973
||||||||||||||||||||||||
Sbjct 61 GGCCAGTTAGGCCAGTTACCCAGATCTGA 89
>lcl|Amplicon 109 non-redundant amplicon of 45 matches
Length=148
Score = 176 bits (194), Expect = 8e-46
Identities = 100/102 (98%), Gaps = 0/102 (0%) Strand=Plus/Plus
Query 103 CGCTGAAATCACCAAGtctctctacaatctatctctataataatgtgtgagtag 162
||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct 47 CGCTGAAATCACCAAGTCTCTCTACAAATCTATCTCTCTATAATAATGTGTGAGTAG 106
Query 163 TTCCCAGATAAGGGATTAGGGTTTTATAGGGCTTCGCTCA 204
|||||||||||||||||||||| |||||||| ||||||||
Sbjct 107 TTCCCAGATAAGGGATTAGGGTTCTTATAGGGTTTCGCTCA 148
>lcl|Amplicon 108 non-redundant amplicon of 45 matches
Length=209
Score = 176 bits (194), Expect = 8e-46
Identities = 100/102 (98%), Gaps = 0/102 (0%)
Strand=Plus/Plus
Query 103 CGCTGAAATCACCAAGtctctctacaatctatctctataataatgtgtgagtag 162
||||||||||||||||||||||||||||||||||||||||||||
Sbjct 108 CGCTGAAATCACCAAGTCTCTCTACAAATCTATCTCTCTATAATAATGTGTGAGTAG 167
Query 163 TTCCCAGATAAGGGATTAGGGTTTTATAGGGCTTCGCTCA 204
|||||||||||||||||||||| |||||||| ||||||||
Sbjct 168 TTCCCAGATAAGGGATTAGGGTTCTTATAGGGTTTCGCTCA 209
Score = 161 bits (178), Expect = 2e-41
Identities = 89/89 (100%), Gaps = 0/89 (0%) Strand=Plus/Plus
Query 885 ATGGTGGATGGCATGATGTTGGTTTGCGAAAGGGATTTGAGTTGCCAGCTCCTCCAA 944
||||||||||||||||||||||||||||||||||||||||
Sbjct 1 ATGGTGGATGGCATGATGTTGGTTTGCGAAAGGGATTTGAGTTGCCAGCTCCTCCAA 60
Query 945 GGCCAGTTAGGCCAGTTACCCAGATCTGA 973
||||||||||||||||||||
Sbjct 61 GGCCAGTTAGGCCAGTTACCCAGATCTGA 89
>lcl|Amplicon 695 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGAGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTTGGAGAG 98
||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTTGGAGAG 121
>lcl|Amplicon 675 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCATTGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTTGGAGAG 98
||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTTGGAGAG 121
>lcl|Amplicon 442 non-redundant amplicon of 2 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCATTGCAAGAC 83

Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| ||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTGATTCATTGGAGAG 121
>lcl|Amplicon 724 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCCCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| ||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 687 non-redundant amplicon of 2 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCATTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 669 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTTATTCATTGGAGAG 121
>lcl|Amplicon 664 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 662 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAT 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 661 non-redundant amplicon of 6 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83

Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||| ||||| ||||| ||||| |||||
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| ||||| ||||| |||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 656 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||| ||||| ||||| ||||| |||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| ||||| |||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 297 non-redundant amplicon of 22 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||| ||||| ||||| ||||| |||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| |||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 594 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||| ||||| ||||| |||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCTCAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
||||||| |||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 514 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||| ||||| ||||| |||||
Sbjct 24 TGATGTTATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 463 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
||||||| ||||| |||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 454 non-redundant amplicon of 1 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 98/100 (98%), Gaps = 0/100 (0%)
Strand=Plus/Plus

Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAGAA 100
||||||| ||||||| ||||||| ||||||| ||||||| |||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAAAGAA 123
>lcl|Amplicon 287 non-redundant amplicon of 6 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 98
||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 121
>lcl|Amplicon 91 non-redundant amplicon of 3 matches Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 98
||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 121
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 121
>lcl|Amplicon 98 non-redundant amplicon of 6 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 98
||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 121
>lcl|Amplicon 300 non-redundant amplicon of 3 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 98
||| ||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 121
>lcl|Amplicon 58 non-redundant amplicon of 7 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 98
||||||| ||||||| ||||||| |||||||
Sbjct 84 CCTTCCTCAATATAAGGAAGTTCATTTCATTTGGAGAG 121
>lcl|Amplicon 332 non-redundant amplicon of 3 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83

Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 9 non-redundant amplicon of 3 matches Length=123
>lcl|Amplicon 9 non-redundant amplicon of 3 matches Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||||||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||||||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 306 non-redundant amplicon of 3 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 741 non-redundant amplicon of 2 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCTCTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 13 non-redundant amplicon of 2835 matches
Length=123
Score = 172 bits (190), Expect = 1e-44
Identities = 97/98 (99%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||||||||||||||||||||||||
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 504 non-redundant amplicon of 1 matches
Length=124
Score = 170 bits (188), Expect = 4e-44
Identities = 98/99 (99%), Gaps = 1/99 (1%)
Strand=Plus/Plus
Score = 170 bits (188), Expect = 4e-44
Identities = 98/99 (99%), Gaps = 1/99 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGA 59
|||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGA 83
Query 60 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 122
>lcl|Amplicon 378 non-redundant amplicon of 3 matches
Length=122
Score = 168 bits (186), Expect = 1e-43
Identities = 97/98 (99%), Gaps = 1/98 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCC-ACTATCCTCGCAAGAC 82

Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
||||||| |||||||
Sbjct 83 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 120
>lcl|Amplicon 781 non-redundant amplicon of 1 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||| |||||||
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 733 non-redundant amplicon of 1 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||| |||||||
Sbjct 24 TGATGTAACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 718 non-redundant amplicon of 1 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||| |||||||
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||| |||||||
Sbjct 24 TGATGTGACATCTCCACTAACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 715 non-redundant amplicon of 1 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||| |||||||
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATTCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 707 non-redundant amplicon of 1 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||| |||||||
Sbjct 24 TGATGTGACGTCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 695 non-redundant amplicon of 1 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||| |||||||
Sbjct 24 TGATGTAACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
>lcl|Amplicon 659 non-redundant amplicon of 1 matches

Length=123

Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
||||||| |||||||
Sbjct 24 TGATGTAACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTTCATTGGAGAG 121
129 de 136

Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 645 non-redundant amplicon of 2 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
|||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGGTCAATTCTGGAGAG 121
>lcl|Amplicon 592 non-redundant amplicon of 1 matches
Length=122
Score = 168 bits (186), Expect = 1e-43
Identities = 97/98 (99%), Gaps = 1/98 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATA-AAGGAAGTTCAATTCTGGAGAG 120
>lcl|Amplicon 476 non-redundant amplicon of 1 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||
Sbjct 24 TGATGTGATATCTCCACTGACTGAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCAATTCTGGAGAG 121
>lcl|Amplicon 469 non-redundant amplicon of 1 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCAATTCTGGAGAG 121
>lcl|Amplicon 290 non-redundant amplicon of 3 matches
Length=122
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|||||||
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCAATTCTGGAGAG 121
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCAATTCTGGAGAG 121
>lcl|Amplicon 153 non-redundant amplicon of 25 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60

Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTAAGCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 238 non-redundant amplicon of 44 matches
Length=121
Score = 168 bits (186), Expect = 1e-43
Identities = 97/98 (99%), Gaps = 1/98 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGA- 82
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 83 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 120
>lcl|Amplicon 43 non-redundant amplicon of 9 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 45 non-redundant amplicon of 597 matches
Length=122
Score = 168 bits (186), Expect = 1e-43
Identities = 97/98 (99%), Gaps = 1/98 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGA- 82
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 83 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 120
>lcl|Amplicon 139 non-redundant amplicon of 84 matches
Sbjct 83 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 120
>lcl|Amplicon 139 non-redundant amplicon of 84 matches
Length=123
Score = 168 bits (186), Expect = 1e-43
Identities = 96/98 (98%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 761 non-redundant amplicon of 1 matches
Length=123
Score = 167 bits (184), Expect = 4e-43
Identities = 97/99 (98%), Gaps = 1/99 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTT-GGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 122
>lcl|Amplicon 631 non-redundant amplicon of 4 matches
Length=124
Score = 167 bits (184), Expect = 4e-43
Identities = 97/99 (98%), Gaps = 1/99 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTAT-CCTTCGCAAGA 59
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct 24 TGATGAGATATCTCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGA 83
Query 60 CCCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||||||||||||||||||||||||
Sbjct 84 CCCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 122
>lcl|Amplicon 623 non-redundant amplicon of 1 matches
Length=122
Score = 165 bits (182), Expect = 2e-42
Identities = 96/98 (98%), Gaps = 1/98 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
|||||||||||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGA- 82
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||||||||||||||||||||
Sbjct 83 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 120
>lcl|Amplicon 585 non-redundant amplicon of 3 matches
Length=123
Score = 165 bits (182), Expect = 2e-42
>lcl|Amplicon 585 non-redundant amplicon of 3 matches
Length=123
Score = 165 bits (182), Expect = 2e-42
Identities = 98/101 (97%), Gaps = 1/101 (1%) Strand=Plus/Plus
Query 1 TGATGTGATATCTCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
|||||||||||||||||||||||||
Sbjct 24 TGATGTGACATCTCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAGAAC 101
|||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAG-TCATTCATTGGAGAGAAC 123
>lcl|Amplicon 490 non-redundant amplicon of 1 matches
Length=163
Score = 165 bits (182), Expect = 2e-42
Identities = 91/91 (100%), Gaps = 0/91 (0%) Strand=Plus/Plus
Query 10 ATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGACCCTCCTCT 69
|||||||||||||||||||||||||
Sbjct 73 ATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGACCCTCCTCT 132
Query 70 ATATAAGGAAGTTCATTCATTGGAGAGAAC 100
|||||||||||||||||
Sbjct 133 ATATAAGGAAGTTCATTCATTGGAGAGAAC 163
>lcl|Amplicon 340 non-redundant amplicon of 3 matches
Length=122
Score = 165 bits (182), Expect = 2e-42
Identities = 96/98 (98%), Gaps = 1/98 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60
|||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||||||||||||||
Sbjct 84 CCTTCCTC-CTATAAGGAAGTTCATTCATTGGAGAG 120
>lcl|Amplicon 736 non-redundant amplicon of 2 matches
Length=124
Score = 165 bits (182), Expect = 2e-42
Identities = 98/100 (98%), Gaps = 2/100 (2%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCACTGACGTAAGGGATGACGCACAATCC-CACTATCCTTCGCAAGA 59
|||||||||||||||||||||
Sbjct 24 TGATGTGATATCTCACTGACGTAAGGGATGACGCACAATCCGCACTATCCTTCGCAAGA 83
Query 60 CCTTCCTCTATATAAGGAAGTTCATTCATT-TGGAGAG 98
|||||||||||||||||
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGTGGAGAG 123
>lcl|Amplicon 727 non-redundant amplicon of 1 matches
Length=123
Score = 163 bits (180), Expect = 5e-42
Identities = 95/98 (97%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Score = 163 bits (180), Expect = 5e-42
Identities = 95/98 (97%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCACTGACGTAAGGGATGACGCACAATCCCACTATCCTTCGCAAGAC 60

Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 467 non-redundant amplicon of 1 matches
Length=123
Score = 163 bits (180), Expect = 5e-42
Identities = 95/98 (97%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGCAAGCTCATTCATTGGAGAG 121
>lcl|Amplicon 460 non-redundant amplicon of 1 matches
Length=123
Score = 163 bits (180), Expect = 5e-42
Identities = 95/98 (97%), Gaps = 0/98 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
Sbjct 24 TGATCTCACATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 359 non-redundant amplicon of 6 matches
Length=121
Score = 161 bits (178), Expect = 2e-41
Identities = 96/98 (98%), Gaps = 2/98 (2%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 60
Sbjct 24 TGATGTGATATCTC-ACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGAC 82
Query 61 CCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 83 CCTTCCTCTATAT-AGGAAGTTCATTCATTGGAGAG 119
>lcl|Amplicon 629 non-redundant amplicon of 1 matches
Length=163
Score = 161 bits (178), Expect = 2e-41
Identities = 89/89 (100%), Gaps = 0/89 (0%)
Strand=Plus/Plus
Query 10 ATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGACCCTCCTCT 69
ATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGACCCTCCTCT 69
Sbjct 73 ATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGACCCTCCTCT 132
Query 70 ATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 133 ATATAAGGAAGTTCATTCATTGGAGAG 161
>lcl|Amplicon 163 non-redundant amplicon of 10 matches
Length=124
Score = 161 bits (178), Expect = 2e-41
Identities = 96/99 (97%), Gaps = 1/99 (1%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGAT-GTGACGCACAATCCCCTACTATCCTTCGCAAGA 59
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTTCGCAAGA 83
Query 60 CCCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 84 CCCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 122
>lcl|Amplicon 150 non-redundant amplicon of 13 matches
Length=130
Score = 159 bits (176), Expect = 6e-41
Identities = 98/105 (93%), Gaps = 7/105 (7%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCCTACTATCCTT-----C 53

Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCGGCC 83
Query 54 GCAAGACCCTCCTCTATAAGGAAGTTCATTCATTGGAGAG 98
|||||

Sbjct 84 GCAAGACCCTCCTCTATAAGGAAGTTCATTCATTGGAGAG 128
>lcl|Amplicon 774 non-redundant amplicon of 1 matches

Length=124

Score = 159 bits (176), Expect = 6e-41
Identities = 97/100 (97%), Gaps = 2/100 (2%)
Strand=Plus/Plus

Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
|||||

Sbjct 24 TGATGTGACATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 83
Query 61 CCTT-CCTCTATATAAGGAAGTTCATTCATT-GGAGAG 98
|||||

Sbjct 84 CCTTCCCTCTATATAAGGAAGTTCATTCATTGGGAGAG 123
>lcl|Amplicon 286 non-redundant amplicon of 7 matches

Length=124

Score = 158 bits (174), Expect = 2e-40
Identities = 95/99 (96%), Gaps = 1/99 (1%)
Strand=Plus/Plus

Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATC-CTTCGCAAGA 59
|||||

Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCTAGACGCAAGA 83
Query 60 CCCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCTAGACGCAAGA 83
Query 60 CCCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||

Sbjct 84 CCCTTCCTCTATATAAGGAAGTTCATTCATTGGAGAG 122
>lcl|Amplicon 447 non-redundant amplicon of 4 matches

Length=208

Score = 158 bits (174), Expect = 2e-40
Identities = 87/87 (100%), Gaps = 0/87 (0%)
Strand=Plus/Plus

Query 885 ATGGTGGATGGCATGATGTTGGTTTGGCAAAGGGATTTGAGTTGCCAGCTCCTCCAA 944
|||||

Sbjct 1 ATGGTGGATGGCATGATGTTGGTTTGGCAAAGGGATTTGAGTTGCCAGCTCCTCCAA 60

Query 945 GGCCAGTTAGGCCAGTTACCCAGATCT 971
|||||

Sbjct 61 GGCCAGTTAGGCCAGTTACCCAGATCT 87

Score = 143 bits (158), Expect = 5e-36
Identities = 95/107 (89%), Gaps = 10/107 (9%) Strand=Plus/Plus

Query 108 AAATCACCACTctctctacaatctatctctctAT-----AATAATGTGTG 157
|||||

Sbjct 102 AAATCACCACTCTCTACAAATCTATCTCTCTATTCTCCAGAATAATGTGTG 161

Query 158 AGTAGTCCCAGATAAGGAAATTAGGGTTTTATAGGGCTTCGCTCA 204
|||||

Sbjct 162 AGTAGTCCCAGATAAGGAAATTAGGGTTCTTATAGGGTTTCGCTCA 208
>lcl|Amplicon 599 non-redundant amplicon of 1 matches

Length=123

Score = 154 bits (170), Expect = 3e-39
Identities = 95/99 (96%), Gaps = 2/99 (2%)
Strand=Plus/Plus

Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGAC 60
|||||

Sbjct 24 TGATGTGATATTCCACTGACGTAAGGGATGACGCACAATCCCACTAT-TTTCGCAAGAC 82
Query 61 CCTT-CCTCTATATAAGGAAGTTCATTCATTGGAGAG 98
|||||

Sbjct 83 CCTTCCCTCTATATAAGGAAGTTCATTCATTGGAGAG 121
>lcl|Amplicon 602 non-redundant amplicon of 2 matches

Length=220

Score = 147 bits (162), Expect = 4e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus

Query 19 GACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGACCCTCCTATATAAGGA 78
|||||

Sbjct 1 GACGTAAGGGATGACGCACAATCCCACTATCCTCGCAAGACCCTCCTATATAAGGA 60
Query 79 AGTCATTTCATTTGGAGAGAAC 102
|||||

Sbjct 61 AGTCATTTCATTTGGAGAGAAC 84
|||||

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>lcl|Amplicon_457 non-redundant amplicon of 1 matches
Length=123
>lcl|Amplicon_457 non-redundant amplicon of 1 matches
Length=123
Score = 145 bits (160), Expect = 1e-36
Identities = 93/99 (94%), Gaps = 3/99 (3%)
Strand=Plus/Plus
Query 1 TGATGTGA--TATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAG 58
||| |||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 23 TGACGTGACTTGTCTCCACTGACGTAAGGGATGACGCACA-TCCCACTATCCATCGCAAG 81
Query 59 ACCCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGA 97
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 82 ACCCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGA 120
>lcl|Amplicon_448 non-redundant amplicon of 4 matches
Length=147
Score = 143 bits (158), Expect = 5e-36
Identities = 95/107 (89%), Gaps = 10/107 (9%) Strand=Plus/Plus
Query 108 AAATCACCAAGTctctctctacaaatcttatctctctctAT-----AATAATGTGTG 157
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 41 AAATCACCAAGTCTCTCTACAAATCTATCTCTCTATTTCTCCAGAATAATGTGTG 100
Query 158 AGTAGTTCCCAGATAAGGAAATTAGGGTTTTATAGGGCTTCGCTCA 204
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 101 AGTAGTTCCCAGATAAGGAAATTAGGGTTCTTATAGGGTTTCGCTCA 147
>lcl|Amplicon_318 non-redundant amplicon of 5 matches
Length=159
Score = 138 bits (152), Expect = 2e-34
Identities = 76/76 (100%), Gaps = 0/76 (0%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 60
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 24 TGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGAC 83
Query 61 CCTTCCTCTATATAAG 76
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 84 CCTTCCTCTATATAAG 99
>lcl|Amplicon_25 non-redundant amplicon of 1014 matches
Length=68
Score = 123 bits (136), Expect = 5e-30
Identities = 68/68 (100%), Gaps = 0/68 (0%) Strand=Plus/Plus
Query 612 TTGAGGGTGTGTTGGCTGGTATTGCTTACGCTGGGCCCTGGAAGGCTAGGAACGCTTACG 671
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 1 TTGAGGGTGTGTTGGCTGGTATTGCTTACGCTGGGCCCTGGAAGGCTAGGAACGCTTACG 60
Query 672 ATTGGACA 679
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 61 ATTGGACA 68
>lcl|Amplicon_376 non-redundant amplicon of 3 matches
Length=122
Score = 120 bits (132), Expect = 6e-29
Identities = 87/99 (88%), Gaps = 3/99 (3%)
Length=122
Score = 120 bits (132), Expect = 6e-29
Identities = 87/99 (88%), Gaps = 3/99 (3%)
Strand=Plus/Plus
Query 1 TGATGTGATATCTCCACTG-ACGTAAGGGATGACGCACAATCCACTATCCTCGCAAGA 59
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 24 TGATGTGATATCTNCCCTGGNCGTANGG-ATGACGCACAATCCC-CTNTCTTGCAAGA 81
Query 60 CCCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAGAG 98
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 82 CCCTTCCTNTATNTAAGGAAGTTCATTTCATTTGGAGAG 120
>lcl|Amplicon_643 non-redundant amplicon of 2 matches Length=68
Score = 120 bits (132), Expect = 6e-29
Identities = 67/68 (99%), Gaps = 0/68 (0%)
Strand=Plus/Plus
Query 612 TTGAGGGTGTGTTGGCTGGTATTGCTTACGCTGGGCCCTGGAAGGCTAGGAACGCTTACG 671
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 1 TTGAGGGTGTGTYGGCTGGTATTGCTTACGCTGGGCCCTGGAAGGCTAGGAACGCTTACG 60
Query 672 ATTGGACA 679
|| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Sbjct 61 ATTGGACA 68
>lcl|Amplicon_647 non-redundant amplicon of 2 matches

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Length=68
Score = 118 bits (130), Expect = 2e-28
Identities = 67/68 (99%), Gaps = 0/68 (0%)
Strand=Plus/Plus

Query 612 TTGAGGGTGTGCTGGTATTGCTTACGCTGGGCCCTGGAAGGCTAGGAACGCTTACG 671
||||||||||||||||||||| |||||||||||||||||||||||||||||||||||||||||||||
Sbjct 1 TTGAGGGTGTGCTGGTACTGCTTACGCTGGGCCCTGGAAGGCTAGGAACGCTTACG 60
Query 672 ATTGGACA 679
|||||||
Sbjct 61 ATTGGACA 68
>lcl|Amplicon 554 non-redundant amplicon of 8 matches
Length=68
Score = 114 bits (126), Expect = 2e-27
Identities = 66/68 (97%), Gaps = 0/68 (0%)
Strand=Plus/Plus

Query 612 TTGAGGGTGTGCTGGTATTGCTTACGCTGGGCCCTGGAAGGCTAGGAACGCTTACG 671
||||||||||||||||||||| ||| |||||||||||||||||||||||||||||||||
Sbjct 1 TTGAGGGTGTGCTGGTATTGCTTACGCTGGACCTGGAAGGCTAGGAACGCTTACG 60
Query 672 ATTGGACA 679
|||||||
Sbjct 61 ATTGGACA 68
Lambda K H
0.634 0.408 0.912
Gapped
Lambda K H
0.625 0.410 0.780
Gapped
Lambda K H
0.625 0.410 0.780
Effective search space used: 92260883

Database: GMOMETHODS non redundant amplicon set
849 sequences; 113,791 total letters

Database: GMOMETHODS non redundant amplicon set

Posted date: Apr 20, 2016 9:31 AM

Number of letters in database: 113,791

Number of sequences in database: 849

Matrix: blastn matrix 2 -3

Gap Penalties: Existence: 5, Extension: 2

Reference:

Stephen F. Altschul, Thomas L. Madden, Alejandro A. Schäffer,
Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997),
"Gapped BLAST and PSI-BLAST: a new generation of protein database search
programs", Nucleic Acids Res. 25:3389-3402.