

JRC GMO-Amplicons BLAST (TERMINATORS)

| | |
|--|----|
| Query= t7S_Glycine_max_-_AB610665.1 | 2 |
| Query= t35S_Cauliflower_mosaic_virus_-_NC_001497.1 | 2 |
| Query= tE9_Pisum_sativum_-_X00806.1 | 31 |
| Query= tmas_Agrobacterium_tumefaciens_-_CP011249.1 | 31 |
| Query= Tnos_Oryza_sativa_Indica_Group_-_EU880444.1 | 32 |
| Query= tocs_Agrobacterium_tumefaciens_-_CP011249.1 | 49 |
| Query= tORF25_Agrobacterium_tumefaciens_-_X00493.1 | 49 |
| Query= tpinII_Solanum_tuberosum_-_X04118.1 | 51 |
| Query= ttml_Agrobacterium_tumefaciens_-_AF242881.1 | 51 |
| Query= tTr7_Agrobacterium_tumefaciens_-_V00090.1 | 51 |

Query= t7S Glycine max - AB610665.1

Length=3553

***** No hits found *****

| | | |
|--------|-------|-------|
| Lambda | K | H |
| 0.634 | 0.408 | 0.912 |

Gapped

| | | |
|--------|-------|-------|
| Lambda | K | H |
| 0.625 | 0.410 | 0.780 |

Effective search space used: 338937784

Query= t35S Cauliflower mosaic virus - NC 001497.1

Length=8024

Sequences producing significant alignments:

| | Score (Bits) | E Value |
|--|---------------------|------------|
| lcl Amplicon_47 non-redundant amplicon of 6422 matches | 352 | 4e-98 |
| lcl Amplicon_194 non-redundant amplicon of 40 matches | 349 | 5e-97 |
| lcl Amplicon_152 non-redundant amplicon of 66 matches | 349 | 5e-97 |
| lcl Amplicon_723 non-redundant amplicon of 2 matches | 347 | 2e-96 |
| lcl Amplicon_644 non-redundant amplicon of 4 matches | 347 | 2e-96 |
| lcl Amplicon_593 non-redundant amplicon of 2 matches | 347 | 2e-96 |
| lcl Amplicon_509 non-redundant amplicon of 4 matches | 347 | 2e-96 |
| lcl Amplicon_97 non-redundant amplicon of 12 matches | 347 | 2e-96 |
| lcl Amplicon_78 non-redundant amplicon of 6 matches | 347 | 2e-96 |
| lcl Amplicon_57 non-redundant amplicon of 14 matches | 347 | 2e-96 |
| lcl Amplicon_411 non-redundant amplicon of 10 matches | 347 | 2e-96 |
| lcl Amplicon_346 non-redundant amplicon of 12 matches | 347 | 2e-96 |
| lcl Amplicon_339 non-redundant amplicon of 6 matches | 347 | 2e-96 |
| lcl Amplicon_305 non-redundant amplicon of 6 matches | 347 | 2e-96 |
| lcl Amplicon_739 non-redundant amplicon of 4 matches | 347 | 2e-96 |
| lcl Amplicon_292 non-redundant amplicon of 6 matches | 345 | 6e-96 |
| lcl Amplicon_301 non-redundant amplicon of 24 matches | 345 | 6e-96 |
| lcl Amplicon_296 non-redundant amplicon of 4 matches | 343 | 2e-95 |
| lcl Amplicon_673 non-redundant amplicon of 4 matches | 343 | 2e-95 |
| lcl Amplicon_500 non-redundant amplicon of 10 matches | 343 | 2e-95 |
| lcl Amplicon_68 non-redundant amplicon of 12 matches | 343 | 2e-95 |
| lcl Amplicon_201 non-redundant amplicon of 182 matches | 343 | 2e-95 |
| lcl Amplicon_735 non-redundant amplicon of 4 matches | 343 | 2e-95 |
| lcl Amplicon_674 non-redundant amplicon of 6 matches | 338 | 9e-94 |
| lcl Amplicon_671 non-redundant amplicon of 2 matches | 338 | 9e-94 |
| lcl Amplicon_383 non-redundant amplicon of 18 matches | 338 | 9e-94 |
| lcl Amplicon_218 non-redundant amplicon of 8 matches | 338 | 9e-94 |
| lcl Amplicon_33 non-redundant amplicon of 2740 matches | 338 | 9e-94 |
| lcl Amplicon_93 non-redundant amplicon of 62 matches | 336 | 3e-93 |
| lcl Amplicon_789 non-redundant amplicon of 76 matches | 334 | 1e-92 |
| lcl Amplicon_577 non-redundant amplicon of 2 matches | 334 | 1e-92 |
| lcl Amplicon_501 non-redundant amplicon of 2 matches | 334 | 1e-92 |
| lcl Amplicon_273 non-redundant amplicon of 6 matches | 334 | 1e-92 |
| lcl Amplicon_90 non-redundant amplicon of 6 matches | 334 | 1e-92 |
| lcl Amplicon_71 non-redundant amplicon of 8 matches | 334 | 1e-92 |
| lcl Amplicon_501 non-redundant amplicon of 2 matches | 334 | 1e-92 |
| lcl Amplicon_273 non-redundant amplicon of 6 matches | 334 | 1e-92 |
| lcl Amplicon_90 non-redundant amplicon of 6 matches | 334 | 1e-92 |
| lcl Amplicon_71 non-redundant amplicon of 8 matches | 334 | 1e-92 |
| lcl Amplicon_67 non-redundant amplicon of 48 matches | 334 | 1e-92 |
| lcl Amplicon_428 non-redundant amplicon of 8 matches | 334 | 1e-92 |
| lcl Amplicon_200 non-redundant amplicon of 112 matches | 334 | 1e-92 |
| lcl Amplicon_327 non-redundant amplicon of 12 matches | 334 | 1e-92 |
| lcl Amplicon_50 non-redundant amplicon of 308 matches | 334 | 1e-92 |
| lcl Amplicon_12 non-redundant amplicon of 4816 matches | 334 | 1e-92 |
| lcl Amplicon_279 non-redundant amplicon of 28 matches | 333 | 4e-92 |
| lcl Amplicon_353 non-redundant amplicon of 6 matches | 333 | 4e-92 |
| lcl Amplicon_564 non-redundant amplicon of 4 matches | 331 | 1e-91 |
| lcl Amplicon_174 non-redundant amplicon of 78 matches | 331 | 1e-91 |
| lcl Amplicon_615 non-redundant amplicon of 4 matches | 329 | 5e-91 |
| lcl Amplicon_266 non-redundant amplicon of 178 matches | 329 | 5e-91 |
| lcl Amplicon_42 non-redundant amplicon of 18 matches | 329 | 5e-91 |
| lcl Amplicon_358 non-redundant amplicon of 12 matches | 327 | 2e-90 |
| lcl Amplicon_503 non-redundant amplicon of 2 matches | 327 | 2e-90 |

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|------------------|--|---------------------|-------|
| lcl Amplicon_166 | non-redundant amplicon of 44 matches | 327 | 2e-90 |
| lcl Amplicon_18 | non-redundant amplicon of 166 matches | 327 | 2e-90 |
| lcl Amplicon_670 | non-redundant amplicon of 2 matches | 325 | 6e-90 |
| lcl Amplicon_465 | non-redundant amplicon of 4 matches | 325 | 6e-90 |
| lcl Amplicon_245 | non-redundant amplicon of 52 matches | 325 | 6e-90 |
| lcl Amplicon_138 | non-redundant amplicon of 132 matches | 325 | 6e-90 |
| lcl Amplicon_125 | non-redundant amplicon of 742 matches | 325 | 6e-90 |
| lcl Amplicon_714 | non-redundant amplicon of 2 matches | 324 | 2e-89 |
| lcl Amplicon_630 | non-redundant amplicon of 8 matches | 324 | 2e-89 |
| lcl Amplicon_598 | non-redundant amplicon of 2 matches | 324 | 2e-89 |
| lcl Amplicon_268 | non-redundant amplicon of 190 matches | 324 | 2e-89 |
| lcl Amplicon_468 | non-redundant amplicon of 2 matches | 322 | 7e-89 |
| lcl Amplicon_328 | non-redundant amplicon of 18 matches | 322 | 7e-89 |
| lcl Amplicon_740 | non-redundant amplicon of 4 matches | 322 | 7e-89 |
| lcl Amplicon_372 | non-redundant amplicon of 6 matches | 320 | 3e-88 |
| lcl Amplicon_760 | non-redundant amplicon of 2 matches | 318 | 9e-88 |
| lcl Amplicon_751 | non-redundant amplicon of 2 matches | 318 | 9e-88 |
| lcl Amplicon_162 | non-redundant amplicon of 20 matches | 318 | 9e-88 |
| lcl Amplicon_317 | non-redundant amplicon of 10 matches | 318 | 9e-88 |
| lcl Amplicon_459 | non-redundant amplicon of 2 matches | 316 | 3e-87 |
| lcl Amplicon_371 | non-redundant amplicon of 6 matches | 316 | 3e-87 |
| lcl Amplicon_766 | non-redundant amplicon of 4 matches | 315 | 1e-86 |
| lcl Amplicon_289 | non-redundant amplicon of 6 matches | 313 | 4e-86 |
| lcl Amplicon_780 | non-redundant amplicon of 2 matches | 306 | 6e-84 |
| lcl Amplicon_758 | non-redundant amplicon of 2 matches | 306 | 6e-84 |
| lcl Amplicon_375 | non-redundant amplicon of 6 matches | 289 | 4e-79 |
| lcl Amplicon_576 | non-redundant amplicon of 2 matches | 289 | 4e-79 |
| lcl Amplicon_489 | non-redundant amplicon of 4 matches | 286 | 5e-78 |
| lcl Amplicon_131 | non-redundant amplicon of 36 matches | 260 | 2e-70 |
| lcl Amplicon_22 | non-redundant amplicon of 18 matches | 257 | 3e-69 |
| lcl Amplicon_785 | non-redundant amplicon of 2 matches | 248 | 1e-66 |
| lcl Amplicon_621 | non-redundant amplicon of 10 matches | 248 | 1e-66 |
| lcl Amplicon_128 | non-redundant amplicon of 54 matches | 248 | 1e-66 |
| lcl Amplicon_354 | non-redundant amplicon of 5 matches | 241 | 2e-64 |
| lcl Amplicon_36 | non-redundant amplicon of 2906 matches | 223 | 5e-59 |
| lcl Amplicon_458 | non-redundant amplicon of 11 matches | 221 | 2e-58 |
| lcl Amplicon_261 | non-redundant amplicon of 16 matches | 221 | 2e-58 |
| lcl Amplicon_119 | non-redundant amplicon of 56 matches | 221 | 2e-58 |
| lcl Amplicon_249 | non-redundant amplicon of 392 matches | 221 | 2e-58 |
| lcl Amplicon_178 | non-redundant amplicon of 69 matches | 221 | 2e-58 |
| lcl Amplicon_712 | non-redundant amplicon of 1 matches | 219 | 6e-58 |
| lcl Amplicon_484 | non-redundant amplicon of 1 matches | 219 | 6e-58 |
| lcl Amplicon_226 | non-redundant amplicon of 5 matches | 219 | 6e-58 |
| lcl Amplicon_48 | non-redundant amplicon of 966 matches | 219 | 6e-58 |
| lcl Amplicon_442 | non-redundant amplicon of 2 matches | 217 | 2e-57 |
| lcl Amplicon_724 | non-redundant amplicon of 1 matches | 217 | 2e-57 |
| lcl Amplicon_681 | non-redundant amplicon of 2 matches | 217 | 2e-57 |
| lcl Amplicon_678 | non-redundant amplicon of 1 matches | 217 | 2e-57 |
| lcl Amplicon_594 | non-redundant amplicon of 1 matches | 217 | 2e-57 |
| lcl Amplicon_79 | non-redundant amplicon of 3 matches | 217 | 2e-57 |
| lcl Amplicon_463 | non-redundant amplicon of 1 matches | 217 | 2e-57 |
| lcl Amplicon_91 | non-redundant amplicon of 3 matches | 217 | 2e-57 |
| lcl Amplicon_594 | non-redundant amplicon of 1 matches | 217 | 2e-57 |
| lcl Amplicon_79 | non-redundant amplicon of 3 matches | 217 | 2e-57 |
| lcl Amplicon_463 | non-redundant amplicon of 1 matches | 217 | 2e-57 |
| lcl Amplicon_91 | non-redundant amplicon of 3 matches | 217 | 2e-57 |
| lcl Amplicon_98 | non-redundant amplicon of 6 matches | 217 | 2e-57 |
| lcl Amplicon_300 | non-redundant amplicon of 3 matches | 217 | 2e-57 |
| lcl Amplicon_58 | non-redundant amplicon of 7 matches | 217 | 2e-57 |
| lcl Amplicon_332 | non-redundant amplicon of 3 matches | 217 | 2e-57 |
| lcl Amplicon_9 | non-redundant amplicon of 3 matches | 217 | 2e-57 |
| lcl Amplicon_306 | non-redundant amplicon of 3 matches | 217 | 2e-57 |
| lcl Amplicon_741 | non-redundant amplicon of 2 matches | 217 | 2e-57 |
| lcl Amplicon_13 | non-redundant amplicon of 2835 matches | 217 | 2e-57 |
| lcl Amplicon_695 | non-redundant amplicon of 1 matches | 215 | 8e-57 |
| lcl Amplicon_669 | non-redundant amplicon of 1 matches | 215 | 8e-57 |
| lcl Amplicon_664 | non-redundant amplicon of 1 matches | 215 | 8e-57 |
| lcl Amplicon_662 | non-redundant amplicon of 1 matches | 215 | 8e-57 |

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

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|------------------|---------------|---------------------------|---------------------|-------|
| lcl Amplicon_690 | non-redundant | amplicon of 2 matches | 196 | 7e-51 |
| lcl Amplicon_686 | non-redundant | amplicon of 2 matches | 196 | 7e-51 |
| lcl Amplicon_683 | non-redundant | amplicon of 2 matches | 196 | 7e-51 |
| lcl Amplicon_545 | non-redundant | amplicon of 12 matches | 196 | 7e-51 |
| lcl Amplicon_321 | non-redundant | amplicon of 10 matches | 196 | 7e-51 |
| lcl Amplicon_313 | non-redundant | amplicon of 7 matches | 187 | 4e-48 |
| lcl Amplicon_314 | non-redundant | amplicon of 7 matches | 187 | 4e-48 |
| lcl Amplicon_105 | non-redundant | amplicon of 183 matches | 185 | 1e-47 |
| lcl Amplicon_104 | non-redundant | amplicon of 168 matches | 185 | 1e-47 |
| lcl Amplicon_109 | non-redundant | amplicon of 45 matches | 185 | 1e-47 |
| lcl Amplicon_108 | non-redundant | amplicon of 45 matches | 185 | 1e-47 |
| lcl Amplicon_318 | non-redundant | amplicon of 5 matches | 179 | 6e-46 |
| lcl Amplicon_457 | non-redundant | amplicon of 1 matches | 170 | 3e-43 |
| lcl Amplicon_721 | non-redundant | amplicon of 10 matches | 168 | 1e-42 |
| lcl Amplicon_376 | non-redundant | amplicon of 3 matches | 163 | 4e-41 |
| lcl Amplicon_722 | non-redundant | amplicon of 2 matches | 163 | 4e-41 |
| lcl Amplicon_629 | non-redundant | amplicon of 1 matches | 161 | 1e-40 |
| lcl Amplicon_490 | non-redundant | amplicon of 1 matches | 161 | 1e-40 |
| lcl Amplicon_202 | non-redundant | amplicon of 22 matches | 159 | 5e-40 |
| lcl Amplicon_373 | non-redundant | amplicon of 3 matches | 156 | 6e-39 |
| lcl Amplicon_448 | non-redundant | amplicon of 4 matches | 152 | 8e-38 |
| lcl Amplicon_602 | non-redundant | amplicon of 2 matches | 152 | 8e-38 |
| lcl Amplicon_447 | non-redundant | amplicon of 4 matches | 152 | 8e-38 |
| lcl Amplicon_23 | non-redundant | amplicon of 9 matches | 150 | 3e-37 |
| lcl Amplicon_14 | non-redundant | amplicon of 22510 matches | 149 | 9e-37 |
| lcl Amplicon_616 | non-redundant | amplicon of 4 matches | 147 | 3e-36 |
| lcl Amplicon_734 | non-redundant | amplicon of 4 matches | 147 | 3e-36 |
| lcl Amplicon_565 | non-redundant | amplicon of 4 matches | 145 | 1e-35 |
| lcl Amplicon_175 | non-redundant | amplicon of 134 matches | 145 | 1e-35 |
| lcl Amplicon_126 | non-redundant | amplicon of 778 matches | 145 | 1e-35 |
| lcl Amplicon_429 | non-redundant | amplicon of 8 matches | 143 | 4e-35 |
| lcl Amplicon_672 | non-redundant | amplicon of 2 matches | 143 | 4e-35 |
| lcl Amplicon_579 | non-redundant | amplicon of 2 matches | 143 | 4e-35 |
| lcl Amplicon_511 | non-redundant | amplicon of 4 matches | 143 | 4e-35 |
| lcl Amplicon_219 | non-redundant | amplicon of 10 matches | 143 | 4e-35 |
| lcl Amplicon_466 | non-redundant | amplicon of 10 matches | 143 | 4e-35 |
| lcl Amplicon_60 | non-redundant | amplicon of 14 matches | 143 | 4e-35 |
| lcl Amplicon_59 | non-redundant | amplicon of 14 matches | 143 | 4e-35 |
| lcl Amplicon_341 | non-redundant | amplicon of 6 matches | 143 | 4e-35 |
| lcl Amplicon_44 | non-redundant | amplicon of 18 matches | 143 | 4e-35 |
| lcl Amplicon_10 | non-redundant | amplicon of 5176 matches | 143 | 4e-35 |
| lcl Amplicon_716 | non-redundant | amplicon of 2 matches | 141 | 1e-34 |
| lcl Amplicon_293 | non-redundant | amplicon of 6 matches | 141 | 1e-34 |
| lcl Amplicon_291 | non-redundant | amplicon of 6 matches | 141 | 1e-34 |
| lcl Amplicon_302 | non-redundant | amplicon of 42 matches | 141 | 1e-34 |
| lcl Amplicon_129 | non-redundant | amplicon of 9 matches | 141 | 1e-34 |
| lcl Amplicon_667 | non-redundant | amplicon of 28 matches | 140 | 5e-34 |
| lcl Amplicon_461 | non-redundant | amplicon of 2 matches | 140 | 5e-34 |
| lcl Amplicon_69 | non-redundant | amplicon of 12 matches | 140 | 5e-34 |
| lcl Amplicon_374 | non-redundant | amplicon of 6 matches | 140 | 5e-34 |
| lcl Amplicon_360 | non-redundant | amplicon of 12 matches | 140 | 5e-34 |
| lcl Amplicon_330 | non-redundant | amplicon of 18 matches | 140 | 5e-34 |
| lcl Amplicon_51 | non-redundant | amplicon of 1198 matches | 140 | 5e-34 |
| lcl Amplicon_624 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_728 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_725 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_51 | non-redundant | amplicon of 1198 matches | 140 | 5e-34 |
| lcl Amplicon_624 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_728 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_725 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_696 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_682 | non-redundant | amplicon of 2 matches | 138 | 2e-33 |
| lcl Amplicon_679 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_657 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_595 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_538 | non-redundant | amplicon of 1 matches | 138 | 2e-33 |
| lcl Amplicon_512 | non-redundant | amplicon of 2 matches | 138 | 2e-33 |
| lcl Amplicon_92 | non-redundant | amplicon of 3 matches | 138 | 2e-33 |

| | | | |
|------------------|--|---------------------|-------|
| lcl Amplicon_99 | non-redundant amplicon of 6 matches | 138 | 2e-33 |
| lcl Amplicon_80 | non-redundant amplicon of 3 matches | 138 | 2e-33 |
| lcl Amplicon_312 | non-redundant amplicon of 6 matches | 138 | 2e-33 |
| lcl Amplicon_333 | non-redundant amplicon of 3 matches | 138 | 2e-33 |
| lcl Amplicon_307 | non-redundant amplicon of 3 matches | 138 | 2e-33 |
| lcl Amplicon_742 | non-redundant amplicon of 2 matches | 138 | 2e-33 |
| lcl Amplicon_16 | non-redundant amplicon of 2860 matches | 138 | 2e-33 |
| lcl Amplicon_622 | non-redundant amplicon of 10 matches | 136 | 6e-33 |
| lcl Amplicon_505 | non-redundant amplicon of 1 matches | 136 | 6e-33 |
| lcl Amplicon_597 | non-redundant amplicon of 4 matches | 136 | 6e-33 |
| lcl Amplicon_11 | non-redundant amplicon of 4568 matches | 136 | 6e-33 |
| lcl Amplicon_470 | non-redundant amplicon of 1 matches | 134 | 2e-32 |
| lcl Amplicon_361 | non-redundant amplicon of 6 matches | 134 | 2e-32 |
| lcl Amplicon_408 | non-redundant amplicon of 3 matches | 134 | 2e-32 |
| lcl Amplicon_759 | non-redundant amplicon of 2 matches | 134 | 2e-32 |
| lcl Amplicon_719 | non-redundant amplicon of 1 matches | 134 | 2e-32 |
| lcl Amplicon_717 | non-redundant amplicon of 1 matches | 134 | 2e-32 |
| lcl Amplicon_705 | non-redundant amplicon of 2 matches | 134 | 2e-32 |
| lcl Amplicon_704 | non-redundant amplicon of 2 matches | 134 | 2e-32 |
| lcl Amplicon_701 | non-redundant amplicon of 1 matches | 134 | 2e-32 |
| lcl Amplicon_688 | non-redundant amplicon of 2 matches | 134 | 2e-32 |
| lcl Amplicon_684 | non-redundant amplicon of 2 matches | 134 | 2e-32 |
| lcl Amplicon_680 | non-redundant amplicon of 1 matches | 134 | 2e-32 |
| lcl Amplicon_676 | non-redundant amplicon of 1 matches | 134 | 2e-32 |
| lcl Amplicon_660 | non-redundant amplicon of 2 matches | 134 | 2e-32 |
| lcl Amplicon_151 | non-redundant amplicon of 13 matches | 134 | 2e-32 |
| lcl Amplicon_515 | non-redundant amplicon of 1 matches | 134 | 2e-32 |
| lcl Amplicon_477 | non-redundant amplicon of 1 matches | 134 | 2e-32 |
| lcl Amplicon_288 | non-redundant amplicon of 6 matches | 134 | 2e-32 |
| lcl Amplicon_154 | non-redundant amplicon of 25 matches | 134 | 2e-32 |
| lcl Amplicon_319 | non-redundant amplicon of 10 matches | 134 | 2e-32 |
| lcl Amplicon_120 | non-redundant amplicon of 108 matches | 134 | 2e-32 |
| lcl Amplicon_231 | non-redundant amplicon of 30 matches | 134 | 2e-32 |
| lcl Amplicon_737 | non-redundant amplicon of 2 matches | 134 | 2e-32 |
| lcl Amplicon_140 | non-redundant amplicon of 93 matches | 134 | 2e-32 |
| lcl Amplicon_46 | non-redundant amplicon of 641 matches | 134 | 2e-32 |
| lcl Amplicon_620 | non-redundant amplicon of 2 matches | 132 | 7e-32 |
| lcl Amplicon_255 | non-redundant amplicon of 11 matches | 132 | 7e-32 |
| lcl Amplicon_606 | non-redundant amplicon of 1 matches | 132 | 7e-32 |
| lcl Amplicon_464 | non-redundant amplicon of 1 matches | 132 | 7e-32 |
| lcl Amplicon_658 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_762 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_729 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_726 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_708 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_702 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_689 | non-redundant amplicon of 2 matches | 131 | 3e-31 |
| lcl Amplicon_685 | non-redundant amplicon of 2 matches | 131 | 3e-31 |
| lcl Amplicon_677 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_663 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_632 | non-redundant amplicon of 4 matches | 131 | 3e-31 |
| lcl Amplicon_596 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_539 | non-redundant amplicon of 1 matches | 131 | 3e-31 |
| lcl Amplicon_81 | non-redundant amplicon of 3 matches | 131 | 3e-31 |
| lcl Amplicon_412 | non-redundant amplicon of 5 matches | 131 | 3e-31 |
| lcl Amplicon_334 | non-redundant amplicon of 3 matches | 131 | 3e-31 |
| lcl Amplicon_19 | non-redundant amplicon of 1106 matches | 131 | 3e-31 |
| lcl Amplicon_308 | non-redundant amplicon of 3 matches | 131 | 3e-31 |
| lcl Amplicon_743 | non-redundant amplicon of 2 matches | 131 | 3e-31 |
| lcl Amplicon_334 | non-redundant amplicon of 3 matches | 131 | 3e-31 |
| lcl Amplicon_19 | non-redundant amplicon of 1106 matches | 131 | 3e-31 |
| lcl Amplicon_308 | non-redundant amplicon of 3 matches | 131 | 3e-31 |
| lcl Amplicon_743 | non-redundant amplicon of 2 matches | 131 | 3e-31 |
| lcl Amplicon_625 | non-redundant amplicon of 1 matches | 129 | 9e-31 |
| lcl Amplicon_506 | non-redundant amplicon of 1 matches | 129 | 9e-31 |
| lcl Amplicon_462 | non-redundant amplicon of 1 matches | 129 | 9e-31 |
| lcl Amplicon_121 | non-redundant amplicon of 63 matches | 129 | 9e-31 |
| lcl Amplicon_738 | non-redundant amplicon of 2 matches | 129 | 9e-31 |

| | | | | |
|------------------|---------------|------------------------|----------------------|-------|
| lcl Amplicon_379 | non-redundant | amplicon of 3 matches | 127 | 3e-30 |
| lcl Amplicon_362 | non-redundant | amplicon of 6 matches | 127 | 3e-30 |
| lcl Amplicon_600 | non-redundant | amplicon of 1 matches | 127 | 3e-30 |
| lcl Amplicon_478 | non-redundant | amplicon of 1 matches | 127 | 3e-30 |
| lcl Amplicon_203 | non-redundant | amplicon of 17 matches | 127 | 3e-30 |
| lcl Amplicon_155 | non-redundant | amplicon of 13 matches | 127 | 3e-30 |
| lcl Amplicon_164 | non-redundant | amplicon of 10 matches | 127 | 3e-30 |
| lcl Amplicon_204 | non-redundant | amplicon of 28 matches | 127 | 3e-30 |
| lcl Amplicon_141 | non-redundant | amplicon of 87 matches | 127 | 3e-30 |
| lcl Amplicon_782 | non-redundant | amplicon of 2 matches | 125 | 1e-29 |
| lcl Amplicon_497 | non-redundant | amplicon of 2 matches | 125 | 1e-29 |
| lcl Amplicon_377 | non-redundant | amplicon of 6 matches | 123 | 4e-29 |
| lcl Amplicon_232 | non-redundant | amplicon of 19 matches | 122 | 1e-28 |
| lcl Amplicon_165 | non-redundant | amplicon of 10 matches | 120 | 5e-28 |
| lcl Amplicon_495 | non-redundant | amplicon of 1 matches | 114 | 2e-26 |
| lcl Amplicon_205 | non-redundant | amplicon of 17 matches | 114 | 2e-26 |
| lcl Amplicon_326 | non-redundant | amplicon of 9 matches | 104 | 4e-23 |
| lcl Amplicon_132 | non-redundant | amplicon of 9 matches | 102 | 1e-22 |
| lcl Amplicon_355 | non-redundant | amplicon of 8 matches | 100 | 4e-22 |
| lcl Amplicon_492 | non-redundant | amplicon of 2 matches | 96.9 | 5e-21 |
| lcl Amplicon_491 | non-redundant | amplicon of 2 matches | 91.5 | 2e-19 |
| lcl Amplicon_24 | non-redundant | amplicon of 9 matches | 87.8 | 3e-18 |
| lcl Amplicon_133 | non-redundant | amplicon of 18 matches | 80.6 | 4e-16 |
| lcl Amplicon_130 | non-redundant | amplicon of 27 matches | 78.8 | 1e-15 |
| lcl Amplicon_182 | non-redundant | amplicon of 20 matches | 75.2 | 2e-14 |
| lcl Amplicon_206 | non-redundant | amplicon of 22 matches | 71.6 | 2e-13 |

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

Length=195

Score = 352 bits (390), Expect = 4e-98
 Identities = 195/195 (100%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC | 7309 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC | 120 |
| Query | 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG | 7369 |
| | | | |
| Sbjct | 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG | 180 |
| Query | 7370 | CACAATCCCCTATC 7384 | |
| | | | |
| Sbjct | 181 | CACAATCCCCTATC 195 | |

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

Length=195

Score = 349 bits (386), Expect = 5e-97
 Identities = 193/193 (100%), Gaps = 0/193 (0%)
 Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 60 |
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC | 7309 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC | 120 |
| Query | 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG | 7369 |
| | | | |
| Sbjct | 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG | 180 |
| Query | 7370 | CACAATCCCCTACTA 7382 | |
| | | | |
| Sbjct | 181 | CACAATCCCCTACTA 193 | |

>[lcl|Amplicon_152 non-redundant amplicon of 66 matches](#)

Length=195

Score = 349 bits (386), Expect = 5e-97
 Identities = 193/193 (100%), Gaps = 0/193 (0%) Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
|-------|------|--|------|

Sbjct 1 | GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
|
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 180
Query 7370 CACAATCCCCTACTA 7382
|
Sbjct 181 CACAATCCCCTACTA 193

>[lcl|Amplicon 723 non-redundant amplicon of 2 matches](#) Length=195

Score = 347 bits (384), Expect = 2e-96
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|
Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
|
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 180
Query 7370 CACAATCCCCTACTATC 7384
|
Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 644 non-redundant amplicon of 4 matches](#)

Length=195
Score = 347 bits (384), Expect = 2e-96
Length=195
Score = 347 bits (384), Expect = 2e-96
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
||
Sbjct 1 GCCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
|
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 180
Query 7370 CACAATCCCCTACTATC 7384
|
Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 593 non-redundant amplicon of 2 matches](#) Length=195

Score = 347 bits (384), Expect = 2e-96
Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|
Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
|
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 180
Query 7370 CACAATCCCCTACTATC 7384
|
Sbjct 181 CTCAATCCCCTACTATC 195

>[lcl|Amplicon 509 non-redundant amplicon of 4 matches](#) Length=195

Score = 347 bits (384), Expect = 2e-96
Identities = 194/195 (99%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|
Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60

Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTATTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 97 non-redundant amplicon of 12 matches](#) Length=195

Score = 347 bits (384), Expect = 2e-96
 Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATATGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 78 non-redundant amplicon of 6 matches](#)

Length=195
 Score = 347 bits (384), Expect = 2e-96
 Identities = 194/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 57 non-redundant amplicon of 14 matches](#)

Length=195
 Score = 347 bits (384), Expect = 2e-96
 Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAGAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180 Query
 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 411 non-redundant amplicon of 10 matches](#)

Length=195
 Score = 347 bits (384), Expect = 2e-96
 Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||

Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 181 CACAATCCCCTATC 195

>[lcl|Amplicon 346 non-redundant amplicon of 12 matches](#)

Length=195

Score = 347 bits (384), Expect = 2e-96
 Identities = 194/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 181 CACAATCCCCTATC 195

>[lcl|Amplicon 339 non-redundant amplicon of 6 matches](#)

Length=195

Score = 347 bits (384), Expect = 2e-96
 Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACCTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 181 CACAATCCCCTATC 195

>[lcl|Amplicon 305 non-redundant amplicon of 6 matches](#) Length=195

Score = 347 bits (384), Expect = 2e-96
 Identities = 194/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 181 CACTATCCCCTATC 195

>[lcl|Amplicon 739 non-redundant amplicon of 4 matches](#)

Length=195

Score = 347 bits (384), Expect = 2e-96
 Identities = 194/195 (99%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||

Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 ||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 ||||||||||||||||

Sbjct 181 CACAATCCCCTACTATC 195
 >[lcl|Amplicon 292 non-redundant amplicon of 6 matches](#) Length=196
 Score = 345 bits (382), Expect = 6e-96
 Identities = 195/196 (99%), Gaps = 1/196 (1%)
 Strand=Plus/Plus

Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 Identities = 195/196 (99%), Gaps = 1/196 (1%) Strand=Plus/Plus
 Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCC-ACGAGGAGCATCGTGGAAAAAGAAGACGTT 7308
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7309 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 7368
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
 Query 7369 GCACAATCCCCTACTATC 7384
 ||||||||||||||||

Sbjct 181 GCACAATCCCCTACTATC 196
 >[lcl|Amplicon 301 non-redundant amplicon of 24 matches](#)
 Length=196
 Score = 345 bits (382), Expect = 6e-96
 Identities = 195/196 (99%), Gaps = 1/196 (1%) Strand=Plus/Plus

Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGG-AAAAAGAAGACGTT 7308
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7309 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 7368
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
 Query 7369 GCACAATCCCCTACTATC 7384
 ||||||||||||||||

Sbjct 181 GCACAATCCCCTACTATC 196
 >[lcl|Amplicon 296 non-redundant amplicon of 4 matches](#)
 Length=195
 Score = 343 bits (380), Expect = 2e-95
 Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATAACTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 ||||||||||||||||

Sbjct 181 AACAAATCCCCTACTATC 195
 >[lcl|Amplicon 673 non-redundant amplicon of 4 matches](#) Length=195
 >[lcl|Amplicon 673 non-redundant amplicon of 4 matches](#) Length=195
 Score = 343 bits (380), Expect = 2e-95
 Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 7190 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 1 GCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309

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|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
|||||
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 7370 CACAATCCCCTACTATC 7384
|||||
Sbjct 181 CACAATCCCCTACTATC 195

```

>[lcl|Amplicon_500 non-redundant amplicon of 10 matches](#)

Length=195

```

Score = 343 bits (380), Expect = 2e-95
Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATCTCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
|||||
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 7370 CACAATCCCCTACTATC 7384
|||||
Sbjct 181 CACAATCCCCTACTATC 195

```

>[lcl|Amplicon_68 non-redundant amplicon of 12 matches](#) Length=194

```

Score = 343 bits (380), Expect = 2e-95
Identities = 194/195 (99%), Gaps = 1/195 (1%)
Strand=Plus/Plus
Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCA-CGTGGAAAAAGAAGACGTTTC 119
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
|||||
Sbjct 120 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
Query 7370 CACAATCCCCTACTATC 7384
|||||
Sbjct 120 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
Query 7370 CACAATCCCCTACTATC 7384
|||||
Sbjct 180 CACAATCCCCTACTATC 194

```

>[lcl|Amplicon_201 non-redundant amplicon of 182 matches](#)

Length=195

```

Score = 343 bits (380), Expect = 2e-95
Identities = 193/195 (99%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
|||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
|||||
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 7370 CACAATCCCCTACTATC 7384
|||||
Sbjct 181 AACAAATCCCCTACTATC 195

```

>[lcl|Amplicon_735 non-redundant amplicon of 4 matches](#)

Length=195

```

Score = 343 bits (380), Expect = 2e-95
Identities = 194/195 (99%), Gaps = 1/195 (1%)
Strand=Plus/Plus
Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309

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Sbjct 61 | ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 180
Query 7370 | CACAATCC-CACTAT 7383
|
Sbjct 181 | CACAATCCGCACTAT 195

```

>[lcl|Amplicon 674 non-redundant amplicon of 6 matches](#) Length=195

```

Score = 338 bits (374), Expect = 9e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 7190 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|
Sbjct 1 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
Query 7250 | ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
|
Sbjct 61 | ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 61 | ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 180
Query 7370 | CACAATCCCCTACTATC 7384
|
Sbjct 181 | CACAATCCCCTACTATC 195

```

>[lcl|Amplicon 671 non-redundant amplicon of 2 matches](#)

```

Length=195
Score = 338 bits (374), Expect = 9e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 7190 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|
Sbjct 1 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
Query 7250 | ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
|
Sbjct 61 | ACAGTGGTCCCAAAGACGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 180
Query 7370 | CACAATCCCCTACTATC 7384
|
Sbjct 181 | CACAATCCCCTACTATC 195

```

>[lcl|Amplicon 383 non-redundant amplicon of 18 matches](#)

```

Length=195
Score = 338 bits (374), Expect = 9e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 7190 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|
Sbjct 1 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
Query 7250 | ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
|
Sbjct 61 | ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 7369
|
Sbjct 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGGATGACG 180
Query 7370 | CACAATCCCCTACTATC 7384
|
Sbjct 181 | CACAATCCCCTACTATC 195

```

>[lcl|Amplicon 218 non-redundant amplicon of 8 matches](#) Length=195

```

Score = 338 bits (374), Expect = 9e-94
Identities = 192/195 (98%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 7190 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|
Sbjct 1 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
Query 7190 | GCTCCTACAAATGCCATCATTGCGATAAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
|

```

Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTACCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 33 non-redundant amplicon of 2740 matches](#)

Length=195

Score = 338 bits (374), Expect = 9e-94

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

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 93 non-redundant amplicon of 62 matches](#)

Length=195

Score = 336 bits (372), Expect = 3e-93

Identities = 189/191 (99%), Gaps = 0/191 (0%)

Strand=Plus/Plus

Query 7194 CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAG 7253
 |||
 Sbjct 5 CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCGACAG 64
 Query 7254 TGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAAC 7313
 |||
 Sbjct 65 TGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAAC 124
 Query 7314 CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 7373
 |||
 Sbjct 125 CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 184
 Query 7374 ATCCCCTACTATC 7384
 |||
 Sbjct 185 ATCCCCTACTATC 195

>[lcl|Amplicon 789 non-redundant amplicon of 76 matches](#)

Length=195

Score = 334 bits (370), Expect = 1e-92

Identities = 191/195 (98%), Gaps = 0/195 (0%)

Score = 334 bits (370), Expect = 1e-92

Identities = 191/195 (98%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATAATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 577 non-redundant amplicon of 2 matches](#) Length=195

Score = 334 bits (370), Expect = 1e-92

Identities = 191/195 (98%), Gaps = 0/195 (0%)

Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||

Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACAAGGAGCATCGTGGAAAAAGAAGACGTTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 501 non-redundant amplicon of 2 matches](#)

Length=195

Score = 334 bits (370), Expect = 1e-92
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGAAAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 273 non-redundant amplicon of 6 matches](#)

Length=195

Score = 334 bits (370), Expect = 1e-92
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGNCTATCGTTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 90 non-redundant amplicon of 6 matches](#)

Length=195

Score = 334 bits (370), Expect = 1e-92
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 71 non-redundant amplicon of 8 matches](#)

Length=194

Score = 334 bits (370), Expect = 1e-92
 Identities = 192/195 (98%), Gaps = 1/195 (1%)
 Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 60

Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCA-CGTGGAAAAACAAGACGTTTC 119
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 120 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 120 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 180 CACAATCCCCTATC 194

>[lcl|Amplicon 67 non-redundant amplicon of 48 matches](#) Length=195

Score = 334 bits (370), Expect = 1e-92
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 181 CACAATCCCCTATC 195

>[lcl|Amplicon 428 non-redundant amplicon of 8 matches](#)

Length=195
 Score = 334 bits (370), Expect = 1e-92
 Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCCCCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 181 CACAATCCCCTATC 195

>[lcl|Amplicon 200 non-redundant amplicon of 112 matches](#)

Length=195
 Score = 334 bits (370), Expect = 1e-92
 Identities = 190/193 (98%), Gaps = 0/193 (0%)
 Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTA 7382
 |||
 Sbjct 181 CACAATCCCCTACTA 193

>[lcl|Amplicon 327 non-redundant amplicon of 12 matches](#)

Length=195
 Score = 334 bits (370), Expect = 1e-92

Identities = 191/195 (98%), Gaps = 0/195 (0%)
 Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 50 non-redundant amplicon of 308 matches](#)

Length=195
 Score = 334 bits (370), Expect = 1e-92
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAAGATGCCTCTACCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAACATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 12 non-redundant amplicon of 4816 matches](#)

Length=195
 Score = 334 bits (370), Expect = 1e-92
 Identities = 191/195 (98%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |
 Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCATTCAAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |
 Sbjct 181 CACAATCCCCTACTATC 195

>[lcl|Amplicon 279 non-redundant amplicon of 28 matches](#)

Length=196
 Score = 333 bits (368), Expect = 4e-92
 Identities = 192/196 (98%), Gaps = 1/196 (1%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGA-TGCCTCTGCC 7248
 |
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTCAAAGAATGCCTCTGCC 60
 Query 7249 GACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7308
 |
 Sbjct 61 GACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7309 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 7368
 |
 Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
 Query 7369 GCACAATCCCCTACTATC 7384
 |
 Sbjct 181 GCACAATCCCCTACTATC 196

>[lcl|Amplicon 353 non-redundant amplicon of 6 matches](#) Length=196

Score = 333 bits (368), Expect = 4e-92
 Identities = 192/196 (98%), Gaps = 1/196 (1%)

Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAA-GGCCATCGTTGAAGATGCCTCTGCC 7248
 || |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAAGGCTATCGTTCAAGATGCCTCTGCC 60
 Query 7249 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7308
 |||
 Sbjct 61 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7309 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 7368
 |||
 Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
 Query 7369 GCACAATCCCCTACTATC 7384
 |||

Sbjct 181 GCACAATCCCCTACTATC 196
[>lcl|Amplicon 564 non-redundant amplicon of 4 matches](#) Length=195
[>lcl|Amplicon 564 non-redundant amplicon of 4 matches](#) Length=195

Score = 331 bits (366), Expect = 1e-91
 Identities = 190/195 (97%), Gaps = 0/195 (0%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAAGGCTATCATTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||

Sbjct 181 CACAATCCCCTACTATC 195
[>lcl|Amplicon 174 non-redundant amplicon of 78 matches](#)
 Length=194

Score = 331 bits (366), Expect = 1e-91
 Identities = 191/195 (98%), Gaps = 1/195 (1%)
 Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAAGGCTATCGTTCAAGATGC-TCTGCCG 59
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |||
 Sbjct 60 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 119
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 120 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 179
 Query 7370 CACAATCCCCTACTATC 7384
 |||

Sbjct 180 CACAATCCCCTACTATC 194
[>lcl|Amplicon 615 non-redundant amplicon of 4 matches](#) Length=195

Score = 329 bits (364), Expect = 5e-91
 Identities = 190/195 (97%), Gaps = 0/195 (0%)
 Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAAGGCTATCATTCAAGATCCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTACTATC 7384
 |||

Sbjct 181 CACAATCCCCTACTATC 195
 Query 7370 CACAATCCCCTACTATC 7384
 |||
 Sbjct 181 CACAATCCCCTACTATC 195
[>lcl|Amplicon 266 non-redundant amplicon of 178 matches](#)
 Length=195

Score = 329 bits (364), Expect = 5e-91
 Identities = 190/195 (97%), Gaps = 0/195 (0%) Strand=Plus/Plus

```

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
          ||| ||||||||||||||||||||||||||||||||||||||| ||||| ||||||||||| |||
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTACCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAACATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 7370 CACAATCCCCTACTATC 7384
          |||||||||||||||
Sbjct 181 CACAATCCCCTACTATC 195

```

>[lcl|Amplicon 42 non-redundant amplicon of 18 matches](#)

```

Length=195
Score = 329 bits (364), Expect = 5e-91
Identities = 190/195 (97%), Gaps = 0/195 (0%)
Strand=Plus/Plus
Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
          ||||||||||||||||||||||||||||||||||||||| || || |||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
Query 7370 CACAATCCCCTACTATC 7384
          |||||||||||||||
Sbjct 181 CACAATCCCCTACTATC 195

```

>[lcl|Amplicon 358 non-redundant amplicon of 12 matches](#)

```

Length=192
Score = 327 bits (362), Expect = 2e-90
Identities = 192/195 (98%), Gaps = 3/195 (2%) Strand=Plus/Plus
Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCAT-GTTGAAGATGCCTCTGCCG 59
Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 60 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCAT-GTGGAAAAAGAAGACGTTTC 118
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 60 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCAT-GTGGAAAAAGAAGACGTTTC 118
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 119 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCT-CACTGACGTAAGGGATGACG 177
Query 7370 CACAATCCCCTACTATC 7384
          |||||||||||||||
Sbjct 178 CACAATCCCCTACTATC 192

```

>[lcl|Amplicon 503 non-redundant amplicon of 2 matches](#) Length=196

```

Score = 327 bits (362), Expect = 2e-90
Identities = 191/196 (97%), Gaps = 1/196 (1%) Strand=Plus/Plus
Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
          || ||||||||||||||||||||||||||||||||||| || || |||||||||||||||
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGG-ATGAC 7368
          ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGAATGAC 180
Query 7369 GCACAATCCCCTACTATC 7384
          |||||||||||||||
Sbjct 181 GCACAATCCCCTACTATC 196

```

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

```

Length=195
Score = 327 bits (362), Expect = 2e-90
Identities = 187/191 (98%), Gaps = 0/191 (0%)
Strand=Plus/Plus

```

Query 7194 CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAG 7253
 |||
 Sbjct 5 CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCGACAG 64
 Query 7254 TGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAAC 7313
 |||
 Sbjct 65 TGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAAC 124
 Query 7314 CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 7373
 |||
 Sbjct 125 CACGTCTTCAAAGCAAGTGGATTGATGTGATACTTCCACTGACGTAAGGGATGACGCACA 184
 Query 7374 ATCCCACTATC 7384
 |||
 Sbjct 185 ATCCCACTATC 195

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

Length=195

Score = 327 bits (362), Expect = 2e-90
 Identities = 187/191 (98%), Gaps = 0/191 (0%)
 Strand=Plus/Plus

Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |||
 Sbjct 1 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCAC 7380
 |||
 Sbjct 181 CACAATCCCAC 191

>[lcl|Amplicon 670 non-redundant amplicon of 2 matches](#) Length=195

Score = 325 bits (360), Expect = 6e-90
 Identities = 190/195 (97%), Gaps = 1/195 (1%) Strand=Plus/Plus

Query 7191 CTCCTA-CAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 CTCCTAGCAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 181 CACAATCCCCTATC 195

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

Length=195

Score = 325 bits (360), Expect = 6e-90
 Identities = 189/195 (97%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 |||
 Sbjct 1 GCACCTACCAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTAAAGATGCCTCTGCCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7309
 |||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 |||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTATC 7384
 |||
 Sbjct 181 CACAATCCCCTATC 195

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

Length=197

Score = 325 bits (360), Expect = 6e-90
 Identities = 191/197 (97%), Gaps = 2/197 (1%)

Strand=Plus/Plus
 Score = 325 bits (360), Expect = 6e-90
 Identities = 191/197 (97%), Gaps = 2/197 (1%) Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGAT--GCCTCTGC | 7247 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCATTCAAGATCTGCCTCTGC | 60 |
| Query | 7248 | CGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGT | 7307 |
| | | | |
| Sbjct | 61 | CGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGT | 120 |
| Query | 7308 | TCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGA | 7367 |
| | | | |
| Sbjct | 121 | TCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGA | 180 |
| Query | 7368 | CGCACAATCCCCTATC 7384 | |
| | | | |
| Sbjct | 181 | CGCACAATCCCCTATC 197 | |

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

Length=195
 Score = 325 bits (360), Expect = 6e-90
 Identities = 189/195 (97%), Gaps = 0/195 (0%)
 Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCATTCAAGATGCCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT | 7309 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT | 120 |
| Query | 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG | 7369 |
| | | | |
| Sbjct | 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG | 180 |
| Query | 7370 | CACAATCCCCTATC 7384 | |
| | | | |
| Sbjct | 181 | CACAATCCCCTATC 195 | |

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

Length=195
 Score = 325 bits (360), Expect = 6e-90
 Identities = 189/195 (97%), Gaps = 0/195 (0%) Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCATTCAAGATCTCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT | 7309 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT | 120 |
| Query | 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG | 7369 |
| | | | |
| Sbjct | 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG | 180 |
| Query | 7370 | CACAATCCCCTATC 7384 | |
| | | | |
| Sbjct | 181 | CACAATCCCCTATC 195 | |

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

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

Length=195
 Score = 324 bits (358), Expect = 2e-89
 Identities = 188/194 (97%), Gaps = 0/194 (0%) Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATAAGCCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT | 7309 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT | 120 |
| Query | 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG | 7369 |
| | | | |
| Sbjct | 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACG | 180 |
| Query | 7370 | CACAATCCCCTAT 7383 | |
| | | | |
| Sbjct | 181 | CACAATCCCCTAT 194 | |

>[lcl|Amplicon 630 non-redundant amplicon of 8 matches](#)

Length=195
 Score = 324 bits (358), Expect = 2e-89

Identities = 188/194 (97%), Gaps = 0/194 (0%)
 Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 ||| ||||||||||||||||||||||||||||||||||||||| ||||| ||||||||||| |||
 Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTACCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAACATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGAGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTAT 7383
 |||||||||||||

>[lcl|Amplicon 598 non-redundant amplicon of 2 matches](#) Length=195

Score = 324 bits (358), Expect = 2e-89
 Identities = 188/194 (97%), Gaps = 0/194 (0%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 ||| ||||||||||||||||||||||||||||||||||||||| ||||| ||||||||||| |||
 Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTACCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAACATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATTTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTAT 7383
 |||||||||||||

>[lcl|Amplicon 268 non-redundant amplicon of 190 matches](#)

Length=196
 Score = 324 bits (358), Expect = 2e-89
 Identities = 190/196 (97%), Gaps = 1/196 (1%)
 Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGA-TGCCTCTGCC 7248
 ||| ||||||||||||||||||||||||||||||||||||||| ||||| ||||| ||||| |||
 Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGAATGCCTCTACC 60
 Query 7249 GACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTT 7308
 ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
 Sbjct 61 GACAGTGGTCCCAAAGATGGACCCACCCACGAGGAACATCGTGGAAAAAGAAGACGTT 120
 Query 7309 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 7368
 ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
 Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
 Query 7369 GCACAATCCCCTATC 7384
 |||||||||||||

>[lcl|Amplicon 468 non-redundant amplicon of 2 matches](#)

Length=195
 Score = 322 bits (356), Expect = 7e-89
 Identities = 187/193 (97%), Gaps = 0/193 (0%) Strand=Plus/Plus
 Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
 || ||||||||||||||||||||||||||||||||||||||| ||||| ||||| ||||| |||
 Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAGATGCCTCTACCG 60
 Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
 ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
 Sbjct 61 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
 Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
 ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
 Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 180
 Query 7370 CACAATCCCCTA 7382
 |||||||||||||

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

Length=194
 Score = 322 bits (356), Expect = 7e-89

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

Length=195
Score = 318 bits (352), Expect = 9e-88
Identities = 187/194 (96%), Gaps = 0/194 (0%) Strand=Plus/Plus
Query 7191 CTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGA 7250
Sbjct 2 CTCTTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTCTGCCGA 61
Query 7251 CAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTCC 7310
Sbjct 62 CAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTCC 121
Query 7311 AACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGC 7370
Sbjct 122 AACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACGC 181
Query 7371 ACAATCCCCTATC 7384
Sbjct 182 ACAATCCCCTATC 195

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

Length=196
Score = 318 bits (352), Expect = 9e-88
Identities = 189/196 (96%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTCC 7309
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTCC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGG-ATGAC 7368
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATACTTCCACTGACGTAAGGGGAATGAC 180
Query 7369 GCACAATCCCCTATC 7384
Sbjct 181 GCACAATCCCCTATC 196

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

Length=196
Score = 318 bits (352), Expect = 9e-88
Length=196
Score = 318 bits (352), Expect = 9e-88
Identities = 189/196 (96%), Gaps = 1/196 (1%)
Strand=Plus/Plus
Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGA-TGCCTCTGCC 7248
Sbjct 1 GCTTCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGAATGCCTCTACC 60
Query 7249 GACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTT 7308
Sbjct 61 GACAGTGGTCCCAAAGATGTACCCCCACCCACGAGGAACATCGTGAAAAAGAAGACGTT 120
Query 7309 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 7368
Sbjct 121 CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC 180
Query 7369 GCACAATCCCCTATC 7384
Sbjct 181 GCACAATCCCCTATC 196

>lcl|Amplicon 459 non-redundant amplicon of 2 matches Length=195

Score = 316 bits (350), Expect = 3e-87
Identities = 187/195 (96%), Gaps = 0/195 (0%) Strand=Plus/Plus
Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
Sbjct 1 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAAATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTCC 7309
Sbjct 61 ACAGTGGTCCCAAAGATGGATCCCCACCCACGAGGAGCATCGTGAAAAAGGAGACGTTCC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATCTCACATCTCCACTGACGTAAGGGATGACG 180
Query 7370 CACAATCCCCTATC 7384
Sbjct 181 CACAATCCCCTATC 195

>lcl|Amplicon 371 non-redundant amplicon of 6 matches Length=196

Score = 316 bits (350), Expect = 3e-87
Identities = 190/196 (97%), Gaps = 3/196 (2%)
Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
Sbjct 1 GCACCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCGTTCAAGATGCCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 7309
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCC-ACTGACGTAAGGGATGAC 7368
Sbjct 121 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCTACTGACGTAAGGGATGAC 180
Query 7369 GCAC-AATCCC-ACTA 7382
Sbjct 181 GCACTAATCCCTACTA 196
Sbjct 181 GCACTAATCCCTACTA 196

>lcl|Amplicon 766 non-redundant amplicon of 4 matches Length=195

Score = 315 bits (348), Expect = 1e-86
Identities = 185/192 (96%), Gaps = 0/192 (0%) Strand=Plus/Plus

Query 7193 CCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACA 7252
Sbjct 4 CCCACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTCTGCCGACA 63
Query 7253 GTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAA 7312
Sbjct 64 GTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAA 123
Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372
Sbjct 124 CCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGACGCAC 183
Query 7373 AATCCCACTATC 7384
Sbjct 184 AATCCCACTATC 195

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

Length=195

Score = 313 bits (346), Expect = 4e-86
Identities = 184/191 (96%), Gaps = 0/191 (0%)
Strand=Plus/Plus

Query 7194 CTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAG 7253
Sbjct 5 CTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATTCCTCTGCCGACAG 64
Query 7254 TGGTCCCAAAGATGGACCCCAACCCACTAGGAGCATCGTGGAAAAAGAAGACGTTCCAAC 7313
Sbjct 65 TGGTCCCAAAGATGGACCCCAACCCACTAGGAGCATCGTGGAAAAAGAAGACGTTCCAAC 124
Query 7314 CACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACA 7373
Sbjct 125 CACGTCTTCAAAGCAAGTGGATTGATGTGATACTTCCACTGACGTAAGGGATGACGCACA 184
Query 7374 ATCCCACTATC 7384
Sbjct 185 ATCCCACTATC 195

>lcl|Amplicon 780 non-redundant amplicon of 2 matches

Length=198

Score = 306 bits (338), Expect = 6e-84
Identities = 188/198 (95%), Gaps = 3/198 (2%) Strand=Plus/Plus

Query 7190 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
Sbjct 1 GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTCTGCCG 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCCA--CCCACGA-GGAGCATCGTGGAAAAAGAAGACG 7306
Sbjct 61 ACAGTGGTCCCAAAGATGGACCCCAACCCACGAAGGAGCATCGTGGAAAAAGAAGACG 120
Query 7307 TTCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATG 7366
Sbjct 121 TTCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATG 180 Query
7307 TTCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATG 7366
Sbjct 121 TTCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATG 180
Query 7367 ACGCACAATCCCACTATC 7384
Sbjct 181 ACGCACAATCCCACTATC 198

>[lcl|Amplicon 758 non-redundant amplicon of 2 matches](#) Length=196

Score = 306 bits (338), Expect = 6e-84
Identities = 186/196 (95%), Gaps = 1/196 (1%) Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCTTACAAATGCCATCATGGCGATAAAGGAAAGGCTATCATTCAAGATCTCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCC-CACCCACGAGGAGCATCGTGAAAAAGAAGACGTT | 7308 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGGGGAAAAAGAAGACGTT | 120 |
| Query | 7309 | CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGAC | 7368 |
| | | | |
| Sbjct | 121 | CCAACCACGTCTTCAAAGCAAGTGGATTGATGTGACATCTCCACTGACGTAAGGGATGAC | 180 |
| Query | 7369 | GCACAATCCCACTATC 7384 | |
| | | | |
| Sbjct | 181 | GCACAATCCCACTATC 196 | |

>[lcl|Amplicon 375 non-redundant amplicon of 6 matches](#)

Length=198
Score = 289 bits (320), Expect = 4e-79
Identities = 183/193 (95%), Gaps = 5/193 (3%)
Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCC-AAAGATGGACCCCCACCCACGAGGAGCATCGTGG-AAAAAGAAGACGT | 7307 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGANCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGT | 120 |
| Query | 7308 | TCCAA-CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACT-GACGTAAGGGAT | 7365 |
| | | | |
| Sbjct | 121 | TCCAACCCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTNCCTGGNCGT-ANGGAT | 179 |
| Query | 7366 | GACGCACAATCCC 7378 | |
| | | | |
| Sbjct | 180 | GACGCACAATCCC 192 | |

>[lcl|Amplicon 576 non-redundant amplicon of 2 matches](#)

Length=212
Score = 289 bits (320), Expect = 4e-79
Identities = 189/212 (89%), Gaps = 17/212 (8%) Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTT | 7309 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCTATCATTCAAGATCTCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTT | 7309 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTT | 120 |
| Query | 7310 | CAACCACGTCTTC-----AAAGCAAGTGGATTGATGTGATATCTCCAC | 7352 |
| | | | |
| Sbjct | 121 | CAACCACGTCTTCAAACCGGGTGGCAGGTAAAGCAAGTGGATTGATGTGACATCTCCAC | 180 |
| Query | 7353 | TGACGTAAGGGATGACGCACAATCCCACTATC 7384 | |
| | | | |
| Sbjct | 181 | TGACGTAAGGGATGACGCACAATCCCACTATC 212 | |

>[lcl|Amplicon 489 non-redundant amplicon of 4 matches](#) Length=235

Score = 286 bits (316), Expect = 5e-78
Identities = 158/158 (100%), Gaps = 0/158 (0%) Strand=Plus/Plus

| | | | |
|-------|------|--|------|
| Query | 7190 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 7249 |
| | | | |
| Sbjct | 1 | GCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG | 60 |
| Query | 7250 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTT | 7309 |
| | | | |
| Sbjct | 61 | ACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGAAAAAGAAGACGTTT | 120 |
| Query | 7310 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATC 7347 | |
| | | | |
| Sbjct | 121 | CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATC 158 | |

Score = 73.4 bits (80), Expect = 6e-14
Identities = 40/40 (100%), Gaps = 0/40 (0%) Strand=Plus/Plus

| | | | |
|-------|------|---|--|
| Query | 7345 | ATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATC 7384 | |
| | | | |
| Sbjct | 196 | ATCTCCACTGACGTAAGGGATGACGCACAATCCCACTATC 235 | |

>lcl|Amplicon 131 non-redundant amplicon of 36 matches

Length=245

Score = 260 bits (288), Expect = 2e-70
Identities = 183/209 (88%), Gaps = 0/209 (0%)
Strand=Plus/Plus

Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
Sbjct 1 GTCCTACAAATGCCATCATTGTGATAAAGGAAAGGCTATCATTGAAGATGCCTCTACCT 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
Sbjct 61 ATAGTGGTCCCAAAGATGGACCCACCCATGAGGAGCATGGTAGAAAAAGAAGATGTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
Sbjct 121 CAACCATGTCTTCAAAGCAAGTGGATTGATGTGGATCCTCCAATGATGTCAAGGATGATG 180
Query 7370 CACAATCCCCTATCCTTCGCAAGACCTT 7398
Sbjct 181 TCAAATCCCCTATCCTTGCCAAGATCCT 209

>lcl|Amplicon 22 non-redundant amplicon of 18 matches Length=195

>lcl|Amplicon 22 non-redundant amplicon of 18 matches Length=195

Score = 257 bits (284), Expect = 3e-69
Identities = 174/195 (89%), Gaps = 0/195 (0%) Strand=Plus/Plus

Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
Sbjct 1 GTCCTACAAATGCCATCATTGTGATAAAGGAAAGGCTATCATTGAAGATGCCTCTACCT 60
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
Sbjct 61 ATAGTGGTCCCAAAGATGGACCCACCCATGAGGAGCATGGTAGAAAAAGAAGATGTTC 120
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
Sbjct 121 CAACCATGTCTTCAAAGCAAGTGGATTGATGTGGATCCTCCAATGACGTCAAGGATGACG 180
Query 7370 CACAATCCCCTATC 7384
Sbjct 181 TCAAATCCCCTATC 195

>lcl|Amplicon 785 non-redundant amplicon of 2 matches

Length=190

Score = 248 bits (274), Expect = 1e-66
Identities = 176/195 (90%), Gaps = 5/195 (3%)
Strand=Plus/Plus

Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
Sbjct 1 GTTCTACAAATGCCATCATTGCGATAAAGAA--GGCTATCATTCAAGATCTCTCTGCCG 59
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
Sbjct 60 ACAGTGGTCCAAAGAATGGACCCACCCACGAAGAGCATCGTGGAAAAAGAAGACGTTT 119
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
Sbjct 120 C-ACCACGTCTTC-AAGCAAGTGGAAATGATGTGACATCT-CACTGACGTAA-GGATGACG 175
Query 7370 CACAATCCCCTATC 7384
Sbjct 176 CACCATCCCCTATC 190

>lcl|Amplicon 621 non-redundant amplicon of 10 matches

Length=170

Score = 248 bits (274), Expect = 1e-66
Identities = 170/195 (87%), Gaps = 25/195 (13%) Strand=Plus/Plus

Query 7190 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCG 7249
Sbjct 1 GTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCA-CGTTGAAGATGCCTCTGCCG 59
Query 7250 ACAGTGGTCCCAAAGATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 7309
Sbjct 60 ACAGTGGTCCCA--GATGGACCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTT 117
Query 7310 CAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACG 7369
Sbjct 118 CAACCACGTCTTCAAAG-----CCACTGACGTAAGGGATGACG 155
Query 7370 CACAATCCCCTATC 7384
Sbjct 156 CACAATCCCCTATC 170

Query 7433 GG 7434

||

Sbjct 121 GG 122

>[lcl|Amplicon 119 non-redundant amplicon of 56 matches](#)

Length=122

Score = 221 bits (244), Expect = 2e-58

Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus

Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372

|||||

Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432

|||||

Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120

Query 7433 GG 7434

||

Sbjct 121 GG 122

>[lcl|Amplicon 249 non-redundant amplicon of 392 matches](#)

Length=123

Score = 221 bits (244), Expect = 2e-58

Identities = 122/122 (100%), Gaps = 0/122 (0%)

Strand=Plus/Plus

Score = 221 bits (244), Expect = 2e-58

Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus

Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372

|||||

Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432

|||||

Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120

Query 7433 GG 7434

||

Sbjct 121 GG 122

>[lcl|Amplicon 178 non-redundant amplicon of 69 matches](#)

Length=123

Score = 221 bits (244), Expect = 2e-58

Identities = 122/122 (100%), Gaps = 0/122 (0%) Strand=Plus/Plus

Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372

|||||

Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432

|||||

Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120

Query 7433 GG 7434

||

Sbjct 121 GG 122

>[lcl|Amplicon 712 non-redundant amplicon of 1 matches](#) Length=123

Score = 219 bits (242), Expect = 6e-58

Identities = 121/121 (100%), Gaps = 0/121 (0%)

Strand=Plus/Plus

Query 7315 ACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAA 7374

|||||

Sbjct 3 ACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAA 62

Query 7375 TCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGAGG 7434

|||||

Sbjct 63 TCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGAGG 122

Query 7435 A 7435

|

Sbjct 123 A 123

>[lcl|Amplicon 484 non-redundant amplicon of 1 matches](#)

Length=123

Score = 219 bits (242), Expect = 6e-58

Identities = 121/121 (100%), Gaps = 0/121 (0%) Strand=Plus/Plus

Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372

|||||

Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432

|||||

Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120

Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432
 |
 Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120
 Query 7433 G 7433
 |
 Sbjct 121 G 121

>[lcl|Amplicon 226 non-redundant amplicon of 5 matches](#) Length=123

Score = 219 bits (242), Expect = 6e-58
 Identities = 121/121 (100%), Gaps = 0/121 (0%) Strand=Plus/Plus
 Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372
 |
 Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
 Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432
 |
 Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120
 Query 7433 G 7433
 |
 Sbjct 121 G 121

>[lcl|Amplicon 48 non-redundant amplicon of 966 matches](#)

Length=123
 Score = 219 bits (242), Expect = 6e-58
 Identities = 121/121 (100%), Gaps = 0/121 (0%)
 Strand=Plus/Plus
 Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372
 |
 Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
 Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432
 |
 Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120
 Query 7433 G 7433
 |
 Sbjct 121 G 121

>[lcl|Amplicon 442 non-redundant amplicon of 2 matches](#) Length=123

Score = 217 bits (240), Expect = 2e-57
 Identities = 122/123 (99%), Gaps = 0/123 (0%)
 Strand=Plus/Plus
 Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372
 |
 Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
 Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432
 |
 Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120
 Query 7433 GGA 7435
 |||
 Sbjct 121 GGA 123
 Sbjct 121 GGA 123

>[lcl|Amplicon 724 non-redundant amplicon of 1 matches](#)

Length=123
 Score = 217 bits (240), Expect = 2e-57
 Identities = 122/123 (99%), Gaps = 0/123 (0%) Strand=Plus/Plus
 Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372
 |
 Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCCCACTGACGTAAGGGATGACGCAC 60
 Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432
 |
 Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120
 Query 7433 GGA 7435
 |||
 Sbjct 121 GGA 123

>[lcl|Amplicon 681 non-redundant amplicon of 2 matches](#) Length=123

Score = 217 bits (240), Expect = 2e-57
 Identities = 122/123 (99%), Gaps = 0/123 (0%) Strand=Plus/Plus
 Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372
 |
 Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60
 Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 7432
 |
 Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAGA 120

Query 7433 GGA 7435

|||

Sbjct 121 GGA 123

>[lcl|Amplicon 678 non-redundant amplicon of 1 matches](#) Length=123

Score = 217 bits (240), Expect = 2e-57

Identities = 122/123 (99%), Gaps = 0/123 (0%)

Strand=Plus/Plus

Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372

|||||

Sbjct 1 CCACGTCTTCTAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTTCATTTGGAGA 7432

|||||

Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTTCATTTGGAGA 120

Query 7433 GGA 7435

|||

Sbjct 121 GGA 123

>[lcl|Amplicon 594 non-redundant amplicon of 1 matches](#) Length=123

Score = 217 bits (240), Expect = 2e-57

Identities = 122/123 (99%), Gaps = 0/123 (0%)

Strand=Plus/Plus

Identities = 122/123 (99%), Gaps = 0/123 (0%) Strand=Plus/Plus

Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372

|||||

Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCTC 60

Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTTCATTTGGAGA 7432

|||||

Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTTCATTTGGAGA 120

Query 7433 GGA 7435

|||

Sbjct 121 GGA 123

>[lcl|Amplicon 79 non-redundant amplicon of 3 matches](#) Length=123

Score = 217 bits (240), Expect = 2e-57

Identities = 122/123 (99%), Gaps = 0/123 (0%) Strand=Plus/Plus

Query 7313 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 7372

|||||

Sbjct 1 CCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCAC 60

Query 7373 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTTCATTTGGAGA 7432

|||||

Sbjct 61 AATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTTCATTTGGAGA 120

Query 7433 GGA 7435

|||

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: 754206264

[Query= tE9 Pisum sativum - X00806.1](#)

Length=2351

***** No hits found *****

Lambda K H

0.634 0.408 0.912

Gapped

Lambda K H

0.625 0.410 0.780

Effective search space used: 223591460

[Query= tmas Agrobacterium tumefaciens - CP011249.1](#)

Length=5537

***** No hits found *****

Lambda K H

0.634 0.408 0.912

Gapped

Lambda K H

0.625 0.410 0.780

Effective search space used: 524548195

Query= Tnos Oryza sativa Indica Group - EU880444.1

Length=258

| Sequences producing significant alignments: | | | Score | E |
|---|---|--|------------|-------|
| | | | (Bits) | Value |
| lcl Amplicon_4 | non-redundant amplicon of 24874 matches | | <u>325</u> | 2e-91 |
| lcl Amplicon_223 | non-redundant amplicon of 24 matches | | <u>322</u> | 2e-90 |
| lcl Amplicon_749 | non-redundant amplicon of 4 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_653 | non-redundant amplicon of 2 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_626 | non-redundant amplicon of 2 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_391 | non-redundant amplicon of 10 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_264 | non-redundant amplicon of 80 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_613 | non-redundant amplicon of 4 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_518 | non-redundant amplicon of 2 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_508 | non-redundant amplicon of 4 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_507 | non-redundant amplicon of 4 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_416 | non-redundant amplicon of 6 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_409 | non-redundant amplicon of 16 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_396 | non-redundant amplicon of 12 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_227 | non-redundant amplicon of 16 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_403 | non-redundant amplicon of 96 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_52 | non-redundant amplicon of 218 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_419 | non-redundant amplicon of 14 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_27 | non-redundant amplicon of 324 matches | | <u>320</u> | 8e-90 |
| lcl Amplicon_525 | non-redundant amplicon of 8 matches | | <u>318</u> | 3e-89 |
| lcl Amplicon_646 | non-redundant amplicon of 4 matches | | <u>316</u> | 1e-88 |
| lcl Amplicon_607 | non-redundant amplicon of 10 matches | | <u>316</u> | 1e-88 |
| lcl Amplicon_499 | non-redundant amplicon of 38 matches | | <u>316</u> | 1e-88 |
| lcl Amplicon_473 | non-redundant amplicon of 2 matches | | <u>316</u> | 1e-88 |
| lcl Amplicon_284 | non-redundant amplicon of 12 matches | | <u>316</u> | 1e-88 |
| lcl Amplicon_425 | non-redundant amplicon of 24 matches | | <u>316</u> | 1e-88 |
| lcl Amplicon_37 | non-redundant amplicon of 98 matches | | <u>316</u> | 1e-88 |
| lcl Amplicon_76 | non-redundant amplicon of 14 matches | | <u>316</u> | 1e-88 |
| lcl Amplicon_329 | non-redundant amplicon of 18 matches | | <u>315</u> | 3e-88 |
| lcl Amplicon_578 | non-redundant amplicon of 2 matches | | <u>311</u> | 4e-87 |
| lcl Amplicon_521 | non-redundant amplicon of 4 matches | | <u>311</u> | 4e-87 |
| lcl Amplicon_269 | non-redundant amplicon of 34 matches | | <u>309</u> | 1e-86 |
| lcl Amplicon_310 | non-redundant amplicon of 26 matches | | <u>298</u> | 3e-83 |
| lcl Amplicon_94 | non-redundant amplicon of 12 matches | | <u>275</u> | 3e-76 |
| lcl Amplicon_320 | non-redundant amplicon of 22 matches | | <u>248</u> | 4e-68 |
| lcl Amplicon_0 | non-redundant amplicon of 12684 matches | | <u>214</u> | 8e-58 |
| lcl Amplicon_648 | non-redundant amplicon of 4 matches | | <u>210</u> | 1e-56 |
| lcl Amplicon_224 | non-redundant amplicon of 12 matches | | <u>210</u> | 1e-56 |
| lcl Amplicon_614 | non-redundant amplicon of 2 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_519 | non-redundant amplicon of 1 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_648 | non-redundant amplicon of 4 matches | | <u>210</u> | 1e-56 |
| lcl Amplicon_224 | non-redundant amplicon of 12 matches | | <u>210</u> | 1e-56 |
| lcl Amplicon_614 | non-redundant amplicon of 2 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_519 | non-redundant amplicon of 1 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_272 | non-redundant amplicon of 5 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_417 | non-redundant amplicon of 3 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_228 | non-redundant amplicon of 8 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_397 | non-redundant amplicon of 6 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_426 | non-redundant amplicon of 12 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_404 | non-redundant amplicon of 48 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_53 | non-redundant amplicon of 109 matches | | <u>208</u> | 4e-56 |
| lcl Amplicon_526 | non-redundant amplicon of 4 matches | | <u>206</u> | 1e-55 |
| lcl Amplicon_389 | non-redundant amplicon of 5 matches | | <u>206</u> | 1e-55 |
| lcl Amplicon_77 | non-redundant amplicon of 7 matches | | <u>206</u> | 1e-55 |
| lcl Amplicon_654 | non-redundant amplicon of 2 matches | | <u>205</u> | 4e-55 |
| lcl Amplicon_608 | non-redundant amplicon of 5 matches | | <u>205</u> | 4e-55 |
| lcl Amplicon_285 | non-redundant amplicon of 6 matches | | <u>205</u> | 4e-55 |
| lcl Amplicon_38 | non-redundant amplicon of 43 matches | | <u>205</u> | 4e-55 |
| lcl Amplicon_311 | non-redundant amplicon of 10 matches | | <u>205</u> | 4e-55 |
| lcl Amplicon_56 | non-redundant amplicon of 3 matches | | <u>203</u> | 2e-54 |
| lcl Amplicon_522 | non-redundant amplicon of 2 matches | | <u>199</u> | 2e-53 |
| lcl Amplicon_270 | non-redundant amplicon of 17 matches | | <u>199</u> | 2e-53 |
| lcl Amplicon_336 | non-redundant amplicon of 3 matches | | <u>190</u> | 1e-50 |
| lcl Amplicon_493 | non-redundant amplicon of 1 matches | | <u>188</u> | 3e-50 |

| | | | |
|------------------|---|-------------|-------|
| lcl Amplicon_582 | non-redundant amplicon of 1 matches | <u>183</u> | 1e-48 |
| lcl Amplicon_1 | non-redundant amplicon of 25856 matches | <u>152</u> | 2e-39 |
| lcl Amplicon_229 | non-redundant amplicon of 16 matches | <u>150</u> | 8e-39 |
| lcl Amplicon_750 | non-redundant amplicon of 4 matches | <u>147</u> | 1e-37 |
| lcl Amplicon_520 | non-redundant amplicon of 2 matches | <u>147</u> | 1e-37 |
| lcl Amplicon_398 | non-redundant amplicon of 12 matches | <u>147</u> | 1e-37 |
| lcl Amplicon_427 | non-redundant amplicon of 24 matches | <u>147</u> | 1e-37 |
| lcl Amplicon_405 | non-redundant amplicon of 96 matches | <u>147</u> | 1e-37 |
| lcl Amplicon_527 | non-redundant amplicon of 8 matches | <u>143</u> | 1e-36 |
| lcl Amplicon_474 | non-redundant amplicon of 2 matches | <u>143</u> | 1e-36 |
| lcl Amplicon_337 | non-redundant amplicon of 10 matches | <u>143</u> | 1e-36 |
| lcl Amplicon_39 | non-redundant amplicon of 98 matches | <u>143</u> | 1e-36 |
| lcl Amplicon_488 | non-redundant amplicon of 2 matches | <u>140</u> | 2e-35 |
| lcl Amplicon_523 | non-redundant amplicon of 4 matches | <u>138</u> | 5e-35 |
| lcl Amplicon_494 | non-redundant amplicon of 2 matches | <u>131</u> | 8e-33 |
| lcl Amplicon_2 | non-redundant amplicon of 12842 matches | <u>125</u> | 3e-31 |
| lcl Amplicon_95 | non-redundant amplicon of 18 matches | <u>122</u> | 4e-30 |
| lcl Amplicon_225 | non-redundant amplicon of 12 matches | <u>122</u> | 4e-30 |
| lcl Amplicon_655 | non-redundant amplicon of 2 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_609 | non-redundant amplicon of 5 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_475 | non-redundant amplicon of 1 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_418 | non-redundant amplicon of 3 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_230 | non-redundant amplicon of 8 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_406 | non-redundant amplicon of 48 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_399 | non-redundant amplicon of 6 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_54 | non-redundant amplicon of 120 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_420 | non-redundant amplicon of 7 matches | <u>120</u> | 1e-29 |
| lcl Amplicon_528 | non-redundant amplicon of 4 matches | <u>118</u> | 5e-29 |
| lcl Amplicon_390 | non-redundant amplicon of 5 matches | <u>116</u> | 2e-28 |
| lcl Amplicon_271 | non-redundant amplicon of 17 matches | <u>113</u> | 2e-27 |
| lcl Amplicon_199 | non-redundant amplicon of 4 matches | <u>78.8</u> | 4e-17 |

>[lcl|Amplicon 4 non-redundant amplicon of 24874 matches](#)

Length=180

Score = 325 bits (360), Expect = 2e-91
 Identities = 180/180 (100%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

| | | | |
|-------|-----|---|-----|
| Query | 39 | GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA | 98 |
| | | | |
| Sbjct | 1 | GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA | 60 |
| Query | 99 | TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT | 158 |
| | | | |
| Sbjct | 61 | TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT | 120 |
| Query | 99 | TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT | 158 |
| | | | |
| Sbjct | 61 | TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT | 120 |
| Query | 159 | CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA | 218 |
| | | | |
| Sbjct | 121 | CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA | 180 |

>[lcl|Amplicon 223 non-redundant amplicon of 24 matches](#)

Length=180

Score = 322 bits (356), Expect = 2e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

| | | | |
|-------|-----|--|-----|
| Query | 39 | GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA | 98 |
| | | | |
| Sbjct | 1 | GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA | 60 |
| Query | 99 | TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT | 158 |
| | | | |
| Sbjct | 61 | TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT | 120 |
| Query | 159 | CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA | 218 |
| | | | |
| Sbjct | 121 | CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATANC GCGCAAACCTAGGATAA | 180 |

>[lcl|Amplicon 749 non-redundant amplicon of 4 matches](#)

Length=180

Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

| | | | |
|-------|----|---|----|
| Query | 39 | GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA | 98 |
| | | | |

Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGGTGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

>[lcl|Amplicon_653 non-redundant amplicon of 2 matches](#) Length=180

Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCTCGCAAACCTAGGATAA 180

>[lcl|Amplicon_626 non-redundant amplicon of 2 matches](#)

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCTCGCAAACCTAGGATAA 180
 >[lcl|Amplicon_626 non-redundant amplicon of 2 matches](#)
 Length=180

Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180

>[lcl|Amplicon_391 non-redundant amplicon of 10 matches](#)

Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGACTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180

>[lcl|Amplicon_264 non-redundant amplicon of 80 matches](#)

Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 CGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180

>[lcl|Amplicon_613 non-redundant amplicon of 4 matches](#) Length=180

Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus
 Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60

Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATCTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 518 non-redundant amplicon of 2 matches](#) Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTACGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 508 non-redundant amplicon of 4 matches](#) Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTGAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 507 non-redundant amplicon of 4 matches](#) Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 507 non-redundant amplicon of 4 matches](#) Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 416 non-redundant amplicon of 6 matches](#) Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||

Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 409 non-redundant amplicon of 16 matches](#)
 Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||

Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120

Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 396 non-redundant amplicon of 12 matches](#)
 Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGACT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon_227 non-redundant amplicon of 16 matches](#)
 Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 227 non-redundant amplicon of 16 matches](#)
 Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAGAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 403 non-redundant amplicon of 96 matches](#)
 Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180
[>lcl|Amplicon 52 non-redundant amplicon of 218 matches](#)
 Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 179/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAACCTAGGATAA 180
[>lcl|Amplicon 419 non-redundant amplicon of 14 matches](#)
 Length=180
 Score = 320 bits (354), Expect = 8e-90
 Identities = 177/177 (100%), Gaps = 0/177 (0%) Strand=Plus/Plus

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 Identities = 177/177 (100%), Gaps = 0/177 (0%) Strand=Plus/Plus
 Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60

```

Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
|
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGA 215
|
Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGA 177

```

>[lcl|Amplicon_27 non-redundant amplicon of 324 matches](#)

Length=180

Score = 320 bits (354), Expect = 8e-90
Identities = 179/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus

```

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
|
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATCTAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
|
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
|
Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180

```

>[lcl|Amplicon_525 non-redundant amplicon of 8 matches](#)

Length=181

Score = 318 bits (352), Expect = 3e-89
Identities = 180/181 (99%), Gaps = 1/181 (1%)
Strand=Plus/Plus

```

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
|
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
|
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
Query 159 CCCGCAATTATACATTTAATA-CGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATA 217
|
Sbjct 121 CCCGCAATTATACATTTAATACCGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATA 180
Query 218 A 218
|
Sbjct 181 A 181

```

>[lcl|Amplicon_646 non-redundant amplicon of 4 matches](#) Length=179

Score = 316 bits (350), Expect = 1e-88
Identities = 179/180 (99%), Gaps = 1/180 (1%)
Strand=Plus/Plus

```

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
|
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
|
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
|
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGG-TTTTATGATTAGAGT 119
Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
|
Sbjct 120 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 179

```

>[lcl|Amplicon_607 non-redundant amplicon of 10 matches](#)

Length=180

Score = 316 bits (350), Expect = 1e-88
Identities = 178/180 (99%), Gaps = 0/180 (0%)
Strand=Plus/Plus

```

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
|
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
|
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTGTTTATGAGATGGGTTTTTATGATTAGAGT 120
Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
|
Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180

```

>[lcl|Amplicon_499 non-redundant amplicon of 38 matches](#)

Length=179

Score = 316 bits (350), Expect = 1e-88

Identities = 179/180 (99%), Gaps = 1/180 (1%)
 Strand=Plus/Plus
 Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGA-TTACGTTAAGCA 59
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 60 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 119
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 120 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 179

>[lcl|Amplicon 473 non-redundant amplicon of 2 matches](#)

Length=180
 Score = 316 bits (350), Expect = 1e-88
 Identities = 178/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus
 Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTAATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 121 CCCGCAATAATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180

>[lcl|Amplicon 284 non-redundant amplicon of 12 matches](#)

Length=180
 Score = 316 bits (350), Expect = 1e-88
 Identities = 178/180 (99%), Gaps = 0/180 (0%) Strand=Plus/Plus
 Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATGGCGCGCAAACCTGGGATAA 180

>[lcl|Amplicon 425 non-redundant amplicon of 24 matches](#)

Length=180
 Score = 316 bits (350), Expect = 1e-88
 Identities = 178/180 (99%), Gaps = 0/180 (0%)
 Strand=Plus/Plus
 Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGAAATAATTAACATGTAATGCATGACGTAATTTATGAGATGGGTTTTTATGATTAGAGT 120
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 180

>[lcl|Amplicon 37 non-redundant amplicon of 98 matches](#)

Length=179
 Score = 316 bits (350), Expect = 1e-88
 Identities = 179/180 (99%), Gaps = 1/180 (1%) Strand=Plus/Plus
 Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 98
 |||
 Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 60
 Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
 |||
 Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTT-TGATTAGAGT 119
 Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
 |||
 Sbjct 120 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 179

>[lcl|Amplicon 76 non-redundant amplicon of 14 matches](#) Length=179

Score = 316 bits (350), Expect = 1e-88

>[lcl|Amplicon 76 non-redundant amplicon of 14 matches](#) Length=179

Score = 316 bits (350), Expect = 1e-88
 Identities = 179/180 (99%), Gaps = 1/180 (1%) Strand=Plus/Plus

```

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 98
          |||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT 158
          |||
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTA-TTATGAGATGGGTTTTATGATTAGAGT 119
Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATAA 218
          |||
Sbjct 120 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATAA 179
  
```

>[lcl|Amplicon 329 non-redundant amplicon of 18 matches](#)

Length=179
 Score = 315 bits (348), Expect = 3e-88
 Identities = 177/179 (99%), Gaps = 0/179 (0%) Strand=Plus/Plus

```

Query 40 AATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCAT 99
          |||
Sbjct 1 AATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCAT 60
Query 100 GTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGTC 159
          |||
Sbjct 61 GTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGTC 120
Query 160 CCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATAA 218
          |||
Sbjct 121 CCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATAA 179
  
```

>[lcl|Amplicon 578 non-redundant amplicon of 2 matches](#)

Length=180
 Score = 311 bits (344), Expect = 4e-87
 Identities = 179/181 (99%), Gaps = 2/181 (1%)
 Strand=Plus/Plus

```

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATA-ATTTCTGTTGAATTACGTTAAGC 97
          |||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATATATTTCTGTTG-ATTACGTTAAGC 59
Query 98 ATGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAG 157
          |||
Sbjct 60 ATGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAG 119
Query 158 TCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATA 217
          |||
Sbjct 120 TCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATA 179
Query 218 A 218
          |
Sbjct 180 A 180
  
```

>[lcl|Amplicon 521 non-redundant amplicon of 4 matches](#) Length=180

Score = 311 bits (344), Expect = 4e-87
 Identities = 177/180 (98%), Gaps = 0/180 (0%)
 Strand=Plus/Plus

Score = 311 bits (344), Expect = 4e-87
 Identities = 177/180 (98%), Gaps = 0/180 (0%) Strand=Plus/Plus

```

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 98
          |||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT 158
          |||
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTACACT 120
Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATAA 218
          |||
Sbjct 121 CCCCCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATAA 180
  
```

>[lcl|Amplicon 269 non-redundant amplicon of 34 matches](#)

Length=179
 Score = 309 bits (342), Expect = 1e-86
 Identities = 176/179 (98%), Gaps = 0/179 (0%) Strand=Plus/Plus

```

Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 98
          |||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT 158
          |||
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGT 120
Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACACTAGGATA 217
          |||
  
```

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|||||
Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATTATGCGCGCAAACCTAGGATA 179
>lcl|Amplicon 310 non-redundant amplicon of 26 matches
Length=180
Score = 298 bits (330), Expect = 3e-83
Identities = 174/180 (97%), Gaps = 0/180 (0%)
Strand=Plus/Plus
Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
|||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGAATTGCA 60
Query 99 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 158
|||||
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGT 120
Query 159 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
|||||

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Sbjct 121 CCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTACCATAA 180
>lcl|Amplicon 94 non-redundant amplicon of 12 matches Length=186
Score = 275 bits (304), Expect = 3e-76
Identities = 178/186 (96%), Gaps = 7/186 (4%)
Strand=Plus/Plus
Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
|||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATT-AACATGTAATGCATGACGTTATTTATGAGAT-GGGTTTTTATGATT-AG 155
|||||
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAAG 120
Query 99 TGTAATAATT-AACATGTAATGCATGACGTTATTTATGAGAT-GGGTTTTTATGATT-AG 155
|||||
Sbjct 61 TGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAAG 120
Query 156 AGT-CCCGCAATTATACA-TTAAATACGCGATAG-AAAACAAAATATAGCGCGCAAACCT- 211
|||||
Sbjct 121 AGTCCCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCCCAAACCTA 180
Query 212 AGGATA 217
|||||
Sbjct 181 AGGATA 186

```

```

>lcl|Amplicon 320 non-redundant amplicon of 22 matches
Length=220
Score = 248 bits (274), Expect = 4e-68
Identities = 180/220 (82%), Gaps = 40/220 (18%)
Strand=Plus/Plus
Query 39 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 98
|||||
Sbjct 1 GAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTTCTGTTGAATTACGTTAAGCA 60
Query 99 TGTAATAATTAACATGTAATGCA----- 121
|||||
Sbjct 61 TGTAATAATTAACATGTAATGCACAGATAGGCCTAACGCTTGTCCTCAAGATCTATTCAGGT 120
Query 122 ---TGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
|||||
Sbjct 121 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 180
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 218
|||||
Sbjct 181 ACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAA 220

```

```

>lcl|Amplicon 0 non-redundant amplicon of 12684 matches
Length=118
Score = 214 bits (236), Expect = 8e-58
Identities = 118/118 (100%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
|||||
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 236
|||||
Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAAATTATCGCGCGCGGTGTC 118

```

```

>lcl|Amplicon 648 non-redundant amplicon of 4 matches Length=118
Score = 210 bits (232), Expect = 1e-56
Identities = 116/116 (100%), Gaps = 0/116 (0%)
Strand=Plus/Plus
Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
|||||

```


Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTG 234
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTG 116
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTG 116

>[lcl|Amplicon 224 non-redundant amplicon of 12 matches](#)

Length=118

Score = 210 bits (232), Expect = 1e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
 Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATANCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 614 non-redundant amplicon of 2 matches](#) Length=118

Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
 Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATCTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 519 non-redundant amplicon of 1 matches](#)

Length=118

Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
 Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTACGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 272 non-redundant amplicon of 5 matches](#)

Length=118

Score = 208 bits (230), Expect = 4e-56
 Identities = 115/115 (100%), Gaps = 0/115 (0%) Strand=Plus/Plus
 Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGT 233
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGT 115

>[lcl|Amplicon 417 non-redundant amplicon of 3 matches](#) Length=118

>[lcl|Amplicon 417 non-redundant amplicon of 3 matches](#) Length=118

Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus
 Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 228 non-redundant amplicon of 8 matches](#)

Length=118

Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%)
 Strand=Plus/Plus
 Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAGAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 397 non-redundant amplicon of 6 matches](#)

Length=118

Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%) Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGACTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 426 non-redundant amplicon of 12 matches](#)

Length=118
 Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%)
 Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTAATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 404 non-redundant amplicon of 48 matches](#)

Length=118
 Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%)
 Strand=Plus/Plus

Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%)
 Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAGACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 53 non-redundant amplicon of 109 matches](#)

Length=118
 Score = 208 bits (230), Expect = 4e-56
 Identities = 117/118 (99%), Gaps = 0/118 (0%)
 Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>[lcl|Amplicon 526 non-redundant amplicon of 4 matches](#)

Length=119
 Score = 206 bits (228), Expect = 1e-55
 Identities = 118/119 (99%), Gaps = 1/119 (1%)
 Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 A-CGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |
 Sbjct 61 ACCGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 119

>[lcl|Amplicon 389 non-redundant amplicon of 5 matches](#) Length=119

Score = 206 bits (228), Expect = 1e-55
 Identities = 118/119 (99%), Gaps = 1/119 (1%) Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
 |||
 Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
 Query 179 ACGCGATAGAAAACAAAATATAG-CGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
 |||
 Sbjct 61 ACGCGATAGAAAACAAAATATAGCCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 119

>[lcl|Amplicon 77 non-redundant amplicon of 7 matches](#) Length=118

Score = 206 bits (228), Expect = 1e-55
 Identities = 118/119 (99%), Gaps = 1/119 (1%) Strand=Plus/Plus

Query 118 TGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAA 177
 |||

Strand=Plus/Plus

Query 118 TGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAA 177

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|||||
Sbjct 1 TGCATGACGTTATT-ATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAA 59
Query 178 TACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 236
|||||
Sbjct 60 TACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 118
>lcl|Amplicon\_654 non-redundant amplicon of 2 matches Length=118
Score = 205 bits (226), Expect = 4e-55
Identities = 116/118 (98%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
|||||
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 236
|||||
Sbjct 61 ACGCGATAGAAAACAAAATATAGCTCGCAAAGTAGGATAAATTATCGCTCGCGGGTGTC 118
>lcl|Amplicon\_608 non-redundant amplicon of 5 matches
Length=118
Score = 205 bits (226), Expect = 4e-55
Identities = 116/118 (98%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
|||||
Sbjct 1 GCATGACGTTGTTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 236
|| |||||
Sbjct 61 ACACGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 118
>lcl|Amplicon\_285 non-redundant amplicon of 6 matches
Length=118
Score = 205 bits (226), Expect = 4e-55
Identities = 116/118 (98%), Gaps = 0/118 (0%) Strand=Plus/Plus
Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
|||||
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 236
|||||
Sbjct 61 ACGCGATAGAAAACAAAATATGGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 118
>lcl|Amplicon\_38 non-redundant amplicon of 43 matches Length=117
Score = 205 bits (226), Expect = 4e-55
Identities = 117/118 (99%), Gaps = 1/118 (1%) Strand=Plus/Plus
Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
|||||
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTT-TGATTAGAGTCCCGCAATTATACATTTAAT 59
|||||
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTT-TGATTAGAGTCCCGCAATTATACATTTAAT 59
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 236
|||||
Sbjct 60 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 117
>lcl|Amplicon\_311 non-redundant amplicon of 10 matches
Length=118
Score = 205 bits (226), Expect = 4e-55
Identities = 116/118 (98%), Gaps = 0/118 (0%)
Strand=Plus/Plus
Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
|||||
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 236
|||||
Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTACCATAAATTATCGCGCGGGTGTC 118
>lcl|Amplicon\_56 non-redundant amplicon of 3 matches Length=118
Score = 203 bits (224), Expect = 2e-54
Identities = 112/112 (100%), Gaps = 0/112 (0%)
Strand=Plus/Plus
Query 125 CGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAATACGCGA 184
|||||
Sbjct 7 CGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAATACGCGA 66
Query 185 TAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 236
|||||
Sbjct 67 TAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 118
>lcl|Amplicon\_522 non-redundant amplicon of 2 matches
Length=118
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGGGTGTC 236

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Score = 199 bits (220), Expect = 2e-53
Identities = 115/118 (97%), Gaps = 0/118 (0%)
Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTACTCCCCAATTATACATTTAAT 60
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
Sbjct 61 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>lcl|Amplicon_270 non-redundant amplicon of 17 matches

Length=118

Score = 199 bits (220), Expect = 2e-53
Identities = 115/118 (97%), Gaps = 0/118 (0%) Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
Sbjct 61 ACGCGATAGAAAACAAAATATGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118 Query 179
ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
Sbjct 61 ACGCGATAGAAAACAAAATATGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 118

>lcl|Amplicon_336 non-redundant amplicon of 3 matches Length=114

Score = 190 bits (210), Expect = 1e-50
Identities = 114/118 (97%), Gaps = 4/118 (3%) Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTT-ATGATTAGAGTCCCGCAATTATACATTTAAT 59
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
Sbjct 60 ACGCGATAGAAAACAAAATATAGCGCG---ACTAGGATAAATTATCGCGCGCGGTGTC 114

>lcl|Amplicon_493 non-redundant amplicon of 1 matches Length=116

Score = 188 bits (208), Expect = 3e-50
Identities = 113/118 (96%), Gaps = 2/118 (2%) Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTA--GATTGGAGTCCCGCAATTATACATTTAAT 58
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
Sbjct 59 ACGCGATAGAAAACAAAATATCGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 116

>lcl|Amplicon_582 non-redundant amplicon of 1 matches

Length=111

Score = 183 bits (202), Expect = 1e-48
Identities = 111/118 (94%), Gaps = 7/118 (6%)
Strand=Plus/Plus

Query 119 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 178
Sbjct 1 GCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAAT 60
Query 179 ACGCGATAGAAAACAAAATATAGCGCGCAAAGTAGGATAAATTATCGCGCGCGGTGTC 236
Sbjct 61 ACGCGATAGAAAACAAAATAT-----AAACTAGGATAAATTATCGCGCGCGGTGTC 111

>lcl|Amplicon_1 non-redundant amplicon of 25856 matches

Length=84

Score = 152 bits (168), Expect = 2e-39
Identities = 84/84 (100%), Gaps = 0/84 (0%)
Strand=Plus/Plus

Query 111 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 60
Query 171 CATTTAATACGCGATAGAAAACAA 194
Sbjct 61 CATTTAATACGCGATAGAAAACAA 84

>lcl|Amplicon_229 non-redundant amplicon of 16 matches

Sbjct 61 CATTTAATACGCGATAGAAAACAA 84

>lcl|Amplicon_229 non-redundant amplicon of 16 matches

Length=84

Score = 150 bits (166), Expect = 8e-39
Identities = 83/83 (100%), Gaps = 0/83 (0%) Strand=Plus/Plus

Query 111 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170

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Sbjct 1      |
Query 171    |
CATTTAATACGCGATAGAAAACA 193
|
Sbjct 61    |
CATTTAATACGCGATAGAAAACA 83
>lcl|Amplicon\_750 non-redundant amplicon of 4 matches Length=84
Score = 147 bits (162), Expect = 1e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 111    |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
|
Sbjct 1      |
CATGTAATGCATGACGTTATTTATGAGGTGGGTTTTTATGATTAGAGTCCCGCAATTATA 60
Query 171    |
CATTTAATACGCGATAGAAAACAA 194
|
Sbjct 61    |
CATTTAATACGCGATAGAAAACAA 84
>lcl|Amplicon\_520 non-redundant amplicon of 2 matches Length=84
Score = 147 bits (162), Expect = 1e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 111    |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
|
Sbjct 1      |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTACGATTAGAGTCCCGCAATTATA 60
Query 171    |
CATTTAATACGCGATAGAAAACAA 194
|
Sbjct 61    |
CATTTAATACGCGATAGAAAACAA 84
>lcl|Amplicon\_398 non-redundant amplicon of 12 matches Length=84
Score = 147 bits (162), Expect = 1e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 111    |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
|
Sbjct 1      |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGACTCCCGCAATTATA 60
Query 171    |
CATTTAATACGCGATAGAAAACAA 194
|
Sbjct 61    |
CATTTAATACGCGATAGAAAACAA 84
>lcl|Amplicon\_427 non-redundant amplicon of 24 matches Length=84
Score = 147 bits (162), Expect = 1e-37
>lcl|Amplicon\_427 non-redundant amplicon of 24 matches Length=84
Score = 147 bits (162), Expect = 1e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 111    |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
|
Sbjct 1      |
CATGTAATGCATGACGTAATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 60
Query 171    |
CATTTAATACGCGATAGAAAACAA 194
|
Sbjct 61    |
CATTTAATACGCGATAGAAAACAA 84
>lcl|Amplicon\_405 non-redundant amplicon of 96 matches Length=84
Score = 147 bits (162), Expect = 1e-37
Identities = 83/84 (99%), Gaps = 0/84 (0%)
Strand=Plus/Plus
Query 111    |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
|
Sbjct 1      |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 60
Query 171    |
CATTTAATACGCGATAGAAAACAA 194
|
Sbjct 61    |
CATTTAATACGCGATAGAAAACAA 84
>lcl|Amplicon\_527 non-redundant amplicon of 8 matches
Length=84
Score = 143 bits (158), Expect = 1e-36
Identities = 83/84 (99%), Gaps = 1/84 (1%)
Strand=Plus/Plus
Query 111    |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
|
Sbjct 1      |
CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 60
Query 171    |
CATTTAATA-CGCGATAGAAAACA 193
|
Sbjct 61    |
CATTTAATACCGCGATAGAAAACA 84
>lcl|Amplicon\_474 non-redundant amplicon of 2 matches Length=84

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Score = 143 bits (158), Expect = 1e-36
 Identities = 82/84 (98%), Gaps = 0/84 (0%)
 Strand=Plus/Plus
 Query 111 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 1 CATGTAATGCATGACGTAATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATAATA 60
 Query 171 CATTTAATACGCGATAGAAAACAA 194
 ||||||||||||||||||||||||||||
 Sbjct 61 CATTTAATACGCGATAGAAAACAA 84

>[lcl|Amplicon_337 non-redundant amplicon of 10 matches](#)

Length=83
 Score = 143 bits (158), Expect = 1e-36
 Identities = 83/84 (99%), Gaps = 1/84 (1%)
 Strand=Plus/Plus
 Score = 143 bits (158), Expect = 1e-36
 Identities = 83/84 (99%), Gaps = 1/84 (1%)
 Strand=Plus/Plus
 Query 111 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTT-ATGATTAGAGTCCCGCAATTATA 59
 Query 171 CATTTAATACGCGATAGAAAACAA 194
 ||||||||||||||||||||||||||||
 Sbjct 60 CATTTAATACGCGATAGAAAACAA 83

>[lcl|Amplicon_39 non-redundant amplicon of 98 matches](#)

Length=83
 Score = 143 bits (158), Expect = 1e-36
 Identities = 83/84 (99%), Gaps = 1/84 (1%)
 Strand=Plus/Plus
 Query 111 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTT-TGATTAGAGTCCCGCAATTATA 59
 Query 171 CATTTAATACGCGATAGAAAACAA 194
 ||||||||||||||||||||||||||||
 Sbjct 60 CATTTAATACGCGATAGAAAACAA 83

>[lcl|Amplicon_488 non-redundant amplicon of 2 matches](#)

Length=84
 Score = 140 bits (154), Expect = 2e-35
 Identities = 77/77 (100%), Gaps = 0/77 (0%)
 Strand=Plus/Plus
 Query 118 TGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAA 177
 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 8 TGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATACATTTAA 67
 Query 178 TACGCGATAGAAAACAA 194
 ||||||||||||||||||||||||
 Sbjct 68 TACGCGATAGAAAACAA 84

>[lcl|Amplicon_523 non-redundant amplicon of 4 matches](#)

Length=84
 Score = 138 bits (152), Expect = 5e-35
 Identities = 81/84 (96%), Gaps = 0/84 (0%)
 Strand=Plus/Plus
 Query 111 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTACACTCCCCAATTATA 60
 Query 171 CATTTAATACGCGATAGAAAACAA 194
 ||||||||||||||||||||||||||||
 Sbjct 61 CATTTAATACGCGATAGAAAACAA 84

>[lcl|Amplicon_494 non-redundant amplicon of 2 matches](#) Length=82

Score = 131 bits (144), Expect = 8e-33
 Identities = 80/84 (95%), Gaps = 2/84 (2%)
 Strand=Plus/Plus
 Query 111 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
 ||||||||||||||||||||||||||||||||||||||||||| ||||| |||||||||||||||||
 Query 111 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTTATGATTAGAGTCCCGCAATTATA 170
 ||||||||||||||||||||||||||||||||||||||||||| ||||| |||||||||||||||||
 Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGTTTTA--GATTGGAGTCCCGCAATTATA 58
 Query 171 CATTTAATACGCGATAGAAAACAA 194
 ||||||||||||||||||||||||||||
 Sbjct 59 CATTTAATACGCGATAGAAAACAA 82

[>lcl|Amplicon 2 non-redundant amplicon of 12842 matches](#)

Length=69

Score = 125 bits (138), Expect = 3e-31

Identities = 69/69 (100%), Gaps = 0/69 (0%) Strand=Plus/Plus

```
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
```

[>lcl|Amplicon 95 non-redundant amplicon of 18 matches](#)

Length=87

Score = 122 bits (134), Expect = 4e-30

Identities = 81/85 (95%), Gaps = 4/85 (5%)

Strand=Plus/Plus

```
Query 111 CATGTAATGCATGACGTTATTTATGAGAT-GGGTTTTTATGATT-AGAGT-CCC GCAATT 167
          |||
Sbjct 1 CATGTAATGCATGACGTTATTTATGAGATGGGGTTTTTATGATTAAGAGTCCC GCAATT 60
Query 168 ATACA-TTTAATACGCGATAGAAAA 191
          |||
Sbjct 61 ATACATTTTAATACGCGATAGAAAA 85
```

[>lcl|Amplicon 225 non-redundant amplicon of 12 matches](#) Length=69

Score = 122 bits (134), Expect = 4e-30

Identities = 68/69 (99%), Gaps = 0/69 (0%)

Strand=Plus/Plus

```
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATANCGCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
```

[>lcl|Amplicon 655 non-redundant amplicon of 2 matches](#) Length=69

Score = 120 bits (132), Expect = 1e-29

Identities = 68/69 (99%), Gaps = 0/69 (0%)

Strand=Plus/Plus

```
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCTCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCTCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
```

[>lcl|Amplicon_609 non-redundant amplicon of 5 matches](#)

Length=69

Score = 120 bits (132), Expect = 1e-29

Identities = 68/69 (99%), Gaps = 0/69 (0%)

Strand=Plus/Plus

```
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
```

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

Score = 120 bits (132), Expect = 1e-29

Identities = 68/69 (99%), Gaps = 0/69 (0%)

Strand=Plus/Plus

```
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATAATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
```

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

Length=69

Score = 120 bits (132), Expect = 1e-29

Identities = 68/69 (99%), Gaps = 0/69 (0%)


```

Strand=Plus/Plus
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 60
Query 210 CTAGGATAA 218
          ||
Sbjct 61 CTGGGATAA 69
>lcl|Amplicon\_230 non-redundant amplicon of 8 matches Length=69
Score = 120 bits (132), Expect = 1e-29
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAGAATATAGCGCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
>lcl|Amplicon\_406 non-redundant amplicon of 48 matches Length=69
Score = 120 bits (132), Expect = 1e-29
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAGACAAAATATAGCGCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
>lcl|Amplicon\_399 non-redundant amplicon of 6 matches Length=69
Score = 120 bits (132), Expect = 1e-29
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGACTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
>lcl|Amplicon\_54 non-redundant amplicon of 120 matches
Length=69
Score = 120 bits (132), Expect = 1e-29
Identities = 68/69 (99%), Gaps = 0/69 (0%)
Strand=Plus/Plus
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAC 60
Query 210 CTAGGATAA 218
          |||
Sbjct 61 CTAGGATAA 69
>lcl|Amplicon\_420 non-redundant amplicon of 7 matches
Length=69
Score = 120 bits (132), Expect = 1e-29
Identities = 66/66 (100%), Gaps = 0/66 (0%) Strand=Plus/Plus
Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 60
Query 210 CTAGGA 215
          |||
Sbjct 61 CTAGGA 66
>lcl|Amplicon_528 non-redundant amplicon of 4 matches Length=70
>lcl|Amplicon\_528 non-redundant amplicon of 4 matches
Length=70
Score = 118 bits (130), Expect = 5e-29
Identities = 69/70 (99%), Gaps = 1/70 (1%)
Strand=Plus/Plus
Query 150 GATTAGAGTCCC GCAATTATACATTTAATAC-GCGATAGAAAACAAAATATAGCGCGCAA 208

```

```

          |||
Sbjct 1  GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 60
Query 209 ACTAGGATAA 218
          |||
Sbjct 61 ACTAGGATAA 70

```

>[lcl|Amplicon_390 non-redundant amplicon of 5 matches](#)

Length=69

Score = 116 bits (128), Expect = 2e-28
 Identities = 68/69 (99%), Gaps = 1/69 (1%)
 Strand=Plus/Plus

```

Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAG-CGCGCAA 208
          |||
Sbjct 1  GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCCGCGCAA 60
Query 209 ACTAGGATA 217
          |||
Sbjct 61 ACTAGGATA 69

```

>[lcl|Amplicon_271 non-redundant amplicon of 17 matches](#)

Length=70

Score = 113 bits (124), Expect = 2e-27
 Identities = 67/70 (96%), Gaps = 0/70 (0%)
 Strand=Plus/Plus

```

Query 150 GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 209
          |||
Sbjct 1  GATTAGAGTCCC GCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAA 60
Query 210 CTAGGATAAA 219
          |||
Sbjct 61 CTAGGATAAA 70

```

>[lcl|Amplicon_199 non-redundant amplicon of 4 matches](#) Length=78

Score = 78.8 bits (86), Expect = 4e-17
 Identities = 43/43 (100%), Gaps = 0/43 (0%) Strand=Plus/Plus

```

Query 200 AGCGCGCAA ACTAGGATAAAATTATCGCGCGCGGTGTCATCTAT 242
          |||
Sbjct 1  AGCGCGCAA ACTAGGATAAAATTATCGCGCGCGGTGTCATCTAT 43

```

Lambda K H
 0.634 0.408 0.912

Gapped

Lambda K H
 0.625 0.410 0.780

Effective search space used: 23642160

Lambda K H
 0.625 0.410 0.780

Effective search space used: 23642160

[Query= tocs Agrobacterium tumefaciens - CP011249.1](#)

Length=708

***** No hits found *****

Lambda K H
 0.634 0.408 0.912

Gapped

Lambda K H
 0.625 0.410 0.780

Effective search space used: 67287740

[Query= tORF25 Agrobacterium tumefaciens - X00493.1](#)

Length=24595

Sequences producing significant alignments:

| | Score | E |
|---|-------------|-------|
| | (Bits) | Value |
| lcl Amplicon_101 non-redundant amplicon of 9 matches | <u>215</u> | 2e-56 |
| lcl Amplicon_649 non-redundant amplicon of 1 matches | <u>168</u> | 3e-42 |
| lcl Amplicon_86 non-redundant amplicon of 9 matches | <u>118</u> | 5e-27 |
| lcl Amplicon_85 non-redundant amplicon of 9 matches | <u>114</u> | 6e-26 |
| lcl Amplicon_252 non-redundant amplicon of 8 matches | <u>100</u> | 1e-21 |
| lcl Amplicon_102 non-redundant amplicon of 9 matches | <u>98.7</u> | 5e-21 |
| lcl Amplicon_587 non-redundant amplicon of 1 matches | <u>89.7</u> | 2e-18 |
| lcl Amplicon_435 non-redundant amplicon of 8 matches | <u>68.0</u> | 8e-12 |
| lcl Amplicon_240 non-redundant amplicon of 14 matches | <u>66.2</u> | 3e-11 |

>[lcl|Amplicon_101 non-redundant amplicon of 9 matches](#)

Length=204

Score = 215 bits (238), Expect = 2e-56
 Identities = 119/119 (100%), Gaps = 0/119 (0%)

Strand=Plus/Minus

Query 935 CTTTCATGTCCGGGAAATCTACATGGATCAGCAATGAGTATGATGGTCAATATGGAGAAAA 994
 |||

Sbjct 119 CTTTCATGTCCGGGAAATCTACATGGATCAGCAATGAGTATGATGGTCAATATGGAGAAAA 60

Query 995 AGAAAGAGTAATTACCAAttttttttCAATTCAAAAATGTAGATGTCCGCAGCGTTATT 1053
 |||

Sbjct 59 AGAAAGAGTAATTACCAATTTTTTTTCAATTCAAAAATGTAGATGTCCGCAGCGTTATT 1

>[lcl|Amplicon 649 non-redundant amplicon of 1 matches](#) Length=187
 Score = 168 bits (186), Expect = 3e-42
 Identities = 93/93 (100%), Gaps = 0/93 (0%) Strand=Plus/Minus

Query 957 TGGATCAGCAATGAGTATGATGGTCAATATGGAGAAAAAGAAAGAGTAATTACCAAtttt 1016
 Strand=Plus/Minus

Query 957 TGGATCAGCAATGAGTATGATGGTCAATATGGAGAAAAAGAAAGAGTAATTACCAAtttt 1016
 |||

Sbjct 93 TGGATCAGCAATGAGTATGATGGTCAATATGGAGAAAAAGAAAGAGTAATTACCAATTTT 34

Query 1017 ttttCAATTCAAAAATGTAGATGTCCGCAGCGT 1049
 |||

Sbjct 33 TTTTCAATTCAAAAATGTAGATGTCCGCAGCGT 1

>[lcl|Amplicon 86 non-redundant amplicon of 9 matches](#)
 Length=90
 Score = 118 bits (130), Expect = 5e-27
 Identities = 65/65 (100%), Gaps = 0/65 (0%) Strand=Plus/Plus

Query 939 ATGTCCGGGAAATCTACATGGATCAGCAATGAGTATGATGGTCAATATGGAGAAAAAGAA 998
 |||

Sbjct 26 ATGTCCGGGAAATCTACATGGATCAGCAATGAGTATGATGGTCAATATGGAGAAAAAGAA 85

Query 999 AGAGT 1003
 |||

Sbjct 86 AGAGT 90

>[lcl|Amplicon 85 non-redundant amplicon of 9 matches](#)
 Length=90
 Score = 114 bits (126), Expect = 6e-26
 Identities = 64/65 (98%), Gaps = 0/65 (0%)
 Strand=Plus/Plus

Query 939 ATGTCCGGGAAATCTACATGGATCAGCAATGAGTATGATGGTCAATATGGAGAAAAAGAA 998
 |||

Sbjct 26 ATGTCCGGGAAATCTACATGGATNAGCAATGAGTATGATGGTCAATATGGAGAAAAAGAA 85

Query 999 AGAGT 1003
 |||

Sbjct 86 AGAGT 90

>[lcl|Amplicon 252 non-redundant amplicon of 8 matches](#) Length=87
 Score = 100 bits (110), Expect = 1e-21
 Identities = 55/55 (100%), Gaps = 0/55 (0%)
 Strand=Plus/Minus

Query 921 TCAATTGTAAATGGCTTCATGTCCGGGAAATCTACATGGATCAGCAATGAGTATG 975
 |||

Sbjct 55 TCAATTGTAAATGGCTTCATGTCCGGGAAATCTACATGGATCAGCAATGAGTATG 1

>[lcl|Amplicon 102 non-redundant amplicon of 9 matches](#)
 Length=108
 Score = 98.7 bits (108), Expect = 5e-21
 Identities = 54/54 (100%), Gaps = 0/54 (0%)
 Strand=Plus/Minus

Query 935 CTTTCATGTCCGGGAAATCTACATGGATCAGCAATGAGTATGATGGTCAATATGG 988
 |||

Sbjct 54 CTTTCATGTCCGGGAAATCTACATGGATCAGCAATGAGTATGATGGTCAATATGG 1

>[lcl|Amplicon 587 non-redundant amplicon of 1 matches](#) Length=104

>[lcl|Amplicon 587 non-redundant amplicon of 1 matches](#) Length=104
 Score = 89.7 bits (98), Expect = 2e-18
 Identities = 51/52 (98%), Gaps = 0/52 (0%)
 Strand=Plus/Minus

Query 13940 GGGCATCGCACCGGTGAGTAATATTGTACGGCTAAGAGCGAATTTGGCCCTGT 13991
 |||

Sbjct 104 GGGCATCGCACCGGTGAGTAATATTGTACGGCTAAGAGCGAATTTGGCCGGT 53

>[lcl|Amplicon 435 non-redundant amplicon of 8 matches](#)
 Length=99
 Score = 68.0 bits (74), Expect = 8e-12
 Identities = 39/40 (98%), Gaps = 0/40 (0%)
 Strand=Plus/Minus

Query 13995 CCTCAATTGCGAGCTTTCTAATTTCAAACCTATTCGGGCCT 14034
 |||

Sbjct 99 CCTCAATTGCGAGCTTTCTAATTTCAAACCTATTCGGACCT 60
 >[lcl|Amplicon 240 non-redundant amplicon of 14 matches](#) Length=91
 Score = 66.2 bits (72), Expect = 3e-11
 Identities = 36/36 (100%), Gaps = 0/36 (0%)
 Strand=Plus/Minus

Query 941 GTCCGGGAAATCTACATGGATCAGCAATGAGTATGA 976
 |||

Sbjct 36 GTCCGGGAAATCTACATGGATCAGCAATGAGTATGA 1
 Lambda K H
 0.634 0.408 0.912

Gapped

Lambda K H
 0.625 0.410 0.780

Effective search space used: 2295299965

[Query= tpinII Solanum tuberosum - X04118.1](#)

Length=1914

***** No hits found *****

Lambda K H
 0.634 0.408 0.912

Gapped

Lambda K H
 0.625 0.410 0.780

Effective search space used: 181656066

[Query= ttml Agrobacterium tumefaciens - AF242881.1](#)

Length=1986

***** No hits found *****

Lambda K H
 0.634 0.408 0.912

Gapped

Lambda K H
 0.625 0.410 0.780

Effective search space used: 188565330

[Query= tTr7 Agrobacterium tumefaciens - V00090.1](#)

Length=831

***** No hits found *****

Lambda K H
 0.634 0.408 0.912

Gapped

Lambda K H
 0.625 0.410 0.780

Effective search space used: 78513721

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.
 search programs", Nucleic Acids Res. 25:3389-3402.