pRSC-EF1-raSOX9-T2A-Puro-wpre P2280

2024-03-12

pRSC-COL1A1-raSOX9-T2A-Puro-Wpre P2224

pRSC-EF1-SOX9-wpre P384

2024-04-01 NP测序结果：

pRSC-EF1-raSOX9-T2A-Puro-wpre

StartOfSeq

aggtggcacttttcggggaaatgtgcgcggaacccctatttgtttatttttctaaatacattcaaatatgtatccgctcatgagacaataaccctgataaatgcttcaataatattgaaaaaggaagagtatgagtattcaacatttccgtgtcgcccttattcccttttttgcggcattttgccttcctgtttttgctcacccagaaacgctggtgaaagtaaaagatgctgaagatcagttgggtgcacgagtgggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcacttttaaagttctgctatgtggcgcggtattatcccgtattgacgccgggcaagagcaactcggtcgccgcatacactattctcagaatgacttggttgagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccataaccatgagtgataacactgcggccaacttacttctgacaacgatcggaggaccgaaggagctaaccgcttttttgcacaacatgggggatcatgtaactcgccttgatcgttgggaaccggagctgaatgaagccataccaaacgacgagcgtgacaccacgatgcctgtagcaatggcaacaacgttgcgcaaactattaactggcgaactacttactctagcttcccggcaacaattaatagactggatggaggcggataaagttgcaggaccacttctgcgctcggcccttccggctggctggtttattgctgataaatctggagccggtgagcgtgggtctcgcggtatcattgcagcactggggccagatggtaagccctcccgtatcgtagttatctacacgacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcattggtaactgtcagaccaagtttactcatatatactttagattgatttaaaacttcatttttaatttaaaaggatctaggtgaagatcctttttgataatctcatgaccaaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgagatcctttttttctgcgcgtaatctgctgcttgcaaacaaaaaaaccaccgctaccagcggtggtttgtttgccggatcaagagctaccaactctttttccgaaggtaactggcttcagcagagcgcagataccaaatactgttcttctagtgtagccgtagttaggccaccacttcaagaactctgtagcaccgcctacatacctcgctctgctaatcctgttaccagtggctgctgccagtggcgataagtcgtgtcttaccgggttggactcaagacgatagttaccggataaggcgcagcggtcgggctgaacggggggttcgtgcacacagcccagcttggagcgaacgacctacaccgaactgagatacctacagcgtgagctatgagaaagcgccacgcttcccgaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccagggggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttgagcgtcgatttttgtgatgctcgtcaggggggcggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttctttcctgcgttatcccctgattctgtggataaccgtattaccgcctttgagtgagctgataccgctcgccgcagccgaacgaccgagcgcagcgagtcagtgagcgaggaagcggaagagcgcccaatacgcaaaccgcctctccccgcgcgttggccgattcattaatgcagctggcacgacaggtttcccgactggaaagcgggcagtgagcgcaacgcaattaaggtgagttagctcactcattaggcaccccaggctttacactttatgcttccggctcgtatgttgtgtggaattgtgagcggataacaatttcacacaggaaacagctatgaccatgattacgccaagcgcgcaattaaccctcactaaagggaacaaaagctggagctgcaagcttaatgtagtcttatgcaatactcttgtagtcttgcaacatggtaacgatgagttagcaacatgccttacaaggagagaaaaagcaccgtgcatgccgattggtggaagtaaggtggtacgatcgtgccttattaggaaggcaacagacgggtctgacatggattggacgaaccactgaattgccgcattgcagagatattgtatttaagtgcctagctcgatacataaacgggtctctctggttagaccagatctgagcctgggagctctctggctaactagggaacccactgcttaagcctcaataaagcttgccttgagtgcttcaagtagtgtgtgcccgtctgttgtgtgactctggtaactagagatccctcagacccttttagtcagtgtggaaaatctctagcagtggcgcccgaacagggacttgaaagcgaaagggaaaccagaggagctctctcgacgcaggactcggcttgctgaagcgcgcacggcaagaggcgaggggcggcgactggtgagtacgccaaaaattttgactagcggaggctagaaggagagagatgggtgcgagagcgtcagtattaagcgggggagaattagatcgcgatgggaaaaaattcggttaaggccagggggaaagaaaaaatataaattaaaacatatagtatgggcaagcagggagctagaacgattcgcagttaatcctggcctgttagaaacatcagaaggctgtagacaaatactgggacagctacaaccatcccttcagacaggatcagaagaacttagatcattatataatacagtagcaaccctctattgtgtgcatcaaaggatagagataaaagacaccaaggaagctttagacaagatagaggaagagcaaaacaaaagtaagaccaccgcacagcaagcggccgctgatcttcagacctggaggaggagatatgagggacaattggagaagtgaattatataaatataaagtagtaaaaattgaaccattaggagtagcacccaccaaggcaaagagaagagtggtgcagagagaaaaaagagcagtgggaataggagctttgttccttgggttcttgggagcagcaggaagcactatgggcgcagcgtcaatgacgctgacggtacaggccagacaattattgtctggtatagtgcagcagcagaacaatttgctgagggctattgaggcgcaacagcatctgttgcaactcacagtctggggcatcaagcagctccaggcaagaatcctggctgtggaaagatacctaaaggatcaacagctcctggggatttggggttgctctggaaaactcatttgcaccactgctgtgccttggaatgctagttggagtaataaatctctggaacagatttggaatcacacgacctggatggagtgggacagagaaattaacaattacacaagcttaatacactccttaattgaagaatcgcaaaaccagcaagaaaagaatgaacaagaattattggaattagataaatgggcaagtttgtggaattggtttaacataacaaattggctgtggtatataaaattattcataatgatagtaggaggcttggtaggtttaagaatagtttttgctgtactttctatagtgaatagagttaggcagggatattcaccattatcgtttcagacccacctcccaaccccgaggggacccgacaggcccgaaggaatagaagaagaaggtggagagagagacagagacagatccattcgattagtgaacggatctcgacggtatcggttaacttttaaaagaaaaggggggattggggggtacagtgcaggggaaagaatagtagacataatagcaacagacatacaaactaaagaattacaaaaacaaattacaaaaattcaaaattttatcgatcacgagactagcAgctagc

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ATGAATCTCCTGGACCCCTTCATGAAGATGACCGACGAGCAGGAGAAGGGCCTGTCCGGCGCCCCCAGCCCCACCATGTCCGAGGACTCGGCGGGCTCGCCCTGCCCGTCGGGCTCCGGCTCCGACACCGAGAATACACGGCCCCAGGAGAACACGTTCCCCAAGGGCGAGCCGGACCTCAAGAAGGAGAGCGAAGAGGACAAGTTCCCCGTGTGCATCCGCGAGGCGGTCAGCCAGGTGCTCAAGGGCTACGACTGGACGCTGGTGCCCATGCCCGTGCGCGTCAACGGCTCCAGCAAGAACAAGCCCCACGTCAAGCGGCCCATGAACGCCTTCATGGTGTGGGCGCAGGCGGCGCGCAGGAAGCTGGCCGACCAGTACCCGCACCTGCACAACGCCGAGCTCAGCAAGACCCTCGGGAAGCTCTGGAGACTGCTGAACGAGAGCGAGAAGCGGCCCTTCGTGGAGGAGGCGGAGCGGCTGCGTGTGCAGCACAAGAAAGACCACCCGGACTACAAGTACCAGCCGCGGCGGAGGAAGTCGGTGAAGAATGGGCAGGCGGAGGCCGAGGAGGCCACGGAGCAGACGCACATCTCGCCCAACGCCATCTTCAAGGCGCTGCAGGCCGACTCGCCGCACTCCTCGTCCGGCATGAGCGAGGTCCATTCCCCCGGCGAGCACTCGGGACAATCCCAGGGTCCGCCGACCCCACCCACCACTCCCAAGACCGACGTGCAGCCGGGCAAGGCTGACCTGAAGCGAGAGGGGCGCCCCCTGCCCGAGGGGGGCCGGCAGCCCCCCATCGACTTCCGCGACGTGGACATCGGCGAGCTGAGCAGCGACGTCATCTCCAACATCGAGACCTTCGACGTCAACGAGTTCGACCAGTACCTGCCGCCCAATGGCCACCCGGGGGTGCCGGCCACGCACGGCCAGGTCACCTACACCGGCAGCTACGGCATCAGCAGCGCCGCCGCGACCCCCGCGGGCGCGGGCCACGTGTGGATGTCCAAGCAGCAGGCGCCCCCGCCGCCGCCGCCCCCGCAGCAGCAGCCGCCCCCGCAGGCGCCCCCGCAGGCCCCGCAGGCGCCCCCGCAGCCGCAGCAGGCGCCCCCGCAGCCGCAGCCGGCGCCCCCGCAGCCGCAGCAGGCGCACACCCTGACCACGCTGAGCAGCGAGCCGGGCCAGGCGCAGCGAACGCACATCAAGACGGAGCAGCTGAGCCCCAGCCACTACAGCGAGCCGCAGCACTCGCCGCAGCAGATCGCCTACAGCCCCTTCAACCTCCCGCACTACAGCCCCTCGTACCCGCCCATCACGCGCTCGCAGTTCGACTACGCGGAGCACCAGAACTCGGGGTCCTACTACAGCCACGCGGCCAGCCAGGGCTCCAGCCTCTACTCCACCTTCACCTACATGAGCCCCGCCCAGCGCCCCATGTACACCCCCATCGCCGACACCTCCGGGGTGCCTTCCATCCCGCAGACCCACAGCCCGCAGCACTGGGAGCAGCCGGTGTACACACAGCTCACCAGACCTacgcgt

GGCAGCGGCGAGGGCCGAGGATCTCTGCTGACTTGTGGCGACGTGGAGGAGAATCCTGGCCCG

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GTCGACAATCAACCTCTGGATTACAAAATTTGTGAAAGATTGACTGGTATTCTTAACTATGTTGCTCCTTTTACGCTATGTGGATACGCTGCTTTAATGCCTTTGTATCATGCTATTGCTTCCCGTATGGCTTTCATTTTCTCCTCCTTGTATAAATCCTGGTTGCTGTCTCTTTATGAGGAGTTGTGGCCCGTTGTCAGGCAACGTGGCGTGGTGTGCACTGTGTTTGCTGACGCAACCCCCACTGGTTGGGGCATTGCCACCACCTGTCAGCTCCTTTCCGGGACTTTCGCTTTCCCCCTCCCTATTGCCACGGCGGAACTCATCGCCGCCTGCCTTGCCCGCTGCTGGACAGGGGCTCGGCTGTTGGGCACTGACAATTCCGTGGTGTTGTCGGGGAAGCTGACGTCCTTTCCATGGCTGCTCGCCTGTGTTGCCACCTGGATTCTGCGCGGGACGTCCTTCTGCTACGTCCCTTCGGCCCTCAATCCAGCGGACCTTCCTTCCCGCGGCCTGCTGCCGGCTCTGCGGCCTCTTCCGCGTCTTCGCCTTCGCCCTCAGACGAGTCGGATCTCCCTTTGGGCcgcctccccgcctggaattcgagctcggtacctttaagaccaatgacttacaaggcagctgtagatcttagccactttttaaaagaaaaggggggactggaagggctaattcactcccaacgaagacaagatctgctttttgcttgtactgggtctctctggttagaccagatctgagcctgggagctctctggctaactagggaacccactgcttaagcctcaataaagcttgccttgagtgcttcaagtagtgtgtgcccgtctgttgtgtgactctggtaactagagatccctcagacccttttagtcagtgtggaaaatctctagcagtagtagttcatgtcatcttattattcagtatttataacttgcaaagaaatgaatatcagagagtgagaggaacttgtttattgcagcttataatggttacaaataaagcaatagcatcacaaatttcacaaataaagcatttttttcactgcattctagttgtggtttgtccaaactcatcaatgtatcttatcatgtctggctctagctAtcccgcccctaactccgcccatcccgcccctaactccgcccagttccgcccattctccgccccatggctgactaattttttttatttatgcagaggccgaggccgcctcggcctctgagctattccagaagtagtgaggaggcttttttggaggcctagggacgtacccaattcgccctatagtgagtcgtattacgcgcgctcactggccgtcgttttacaacgtcgtgactgggaaaaccctggcgttacccaacttaatcgccttgcagcacatccccctttcgccagctggcgtaatagcgaagaggcccgcaccgatcgcccttcccaacagttgcgcagcctgaatggcgaatgggacgcgccctgtagcggcgcattaagcgcggcgggtgtggtggttacgcgcagcgtgaccgctacacttgccagcgccctagcgcccgctcctttcgctttcttcccttcctttctcgccacgttcgccggctttccccgtcaagctctaaatcgggggctccctttagggttccgatttagtgctttacggcacctcgaccccaaaaaacttgattagggtgatggttcacgtagtgggccatcgccctgatagacggtttttcgccctttgacgttggagtccacgttctttaatagtggactcttgttccaaactggaacaacactcaaccctatctcggtctattcttttgatttataagggattttgccgatttcggcctattggttaaaaaatgagctgatttaacaaaaatttaacgcgaattttaacaaaatattaacgcttacaattt

EndOfSeq

Backbone:Cut pRSC-COL1A1-raSOX9-T2A-Puro-Wpre P2224

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  | | --- | --- | --- | --- | | **#** | **Ends** | **Coordinates** | **Length (bp)** | | 1 | AsiSI-NdeI | 4861-4154 | **8315 (BB)** | | 2 | NdeI-AsiSI | 4155-4860 | 706 | |  |

PCR Template: pRSC-EF1-SOX9-wpre P384

T3354-RSC-EF1-F ttatcgatcacgagactagcAGCTAGCGGCTCCGGTGCCC

T5151-EF1-raSOX9-R CATGAAGGGGTCCAGGAGATTCATGgcgatcgcTCACGACACCTGAAATGGAAG

~1.2k(EF1)

SuperFi: 98C 1min; 98C 5sec, 60C 10sec, 72C 30sec, 30 cycles.

Assemble 2 pieces.

Seq:

T4557-EF1-450-seq-R aaggtgccaccagattcgca

253-EF1-seq-F CCAGCTTGGCACTTGATGTA

P2280-A T4557-EF1-450-seq-R aaggtgccaccagattcgca

（3处碱基，正向引物T3354-RSC-EF1-F序列与文件中引物位置碱基序列不符），需要修改

Query 3741 GGGCAAGTTTGTGGAATTGGTTTAACATAACAAATTGGCTGT-GGTATATAAAATTATTC 3799

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Sbjct 859 GGGCAAGTTTGTGGAATTGGTT-AACATAACAAATTGGCTGTTGGTATATTAAAATATTC 801

Query 3800 AT-AATGATAGTA-GGAGG-CTTGGTA-GGTTTAAGAATAGTTTTT-GCTGTACTTTCTA 3854

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Sbjct 800 ATAAATGATAGTAGGGAGGACTTGGTAGGGTTTAAGAATAGTTTTTTGCTGTACTTTCTA 741

Query 3855 TAGTGAATAGAGTTAGGCAGGGATATTCACCATTATCGTTTCAGACCCACCTCCCAACCC 3914

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Sbjct 740 TAGTGAATAGAGTTAGGCAGGGATATTCACCATTATCGTTTCAGACCCACCTCCCAACCC 681

Query 3915 CGAGGGGACCCGACAGGCCCGAAGGAATagaagaagaaggtggagagagagacagagaca 3974

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Sbjct 680 CGAGGGGACCCGACAGGCCCGAAGGAATAGAAGAAGAAGGTGGAGAGAGAGACAGAGACA 621

Query 3975 gaTCCATTCGATTAGTGAACGGATCTCGACGGTATCGGTTAACTTTTAAAAGAAAAgggg 4034

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

Sbjct 620 GATCCATTCGATTAGTGAACGGATCTCGACGGTATCGGTTAACTTTTAAAAGAAAAGGGG 561

Query 4035 ggattggggggTACAGTGCAGGGGAAAGAATAGTAGACATAATAGCAACAGACATacaaa 4094

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Sbjct 560 GGATTGGGGGGTACAGTGCAGGGGAAAGAATAGTAGACATAATAGCAACAGACATACAAA 501

Query 4095 ctaaagaattacaaaaacaaattacaaaaattcaaaattTTC-CGATCACGAGACTAGC- 4152

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

Sbjct 500 CTAAAGAATTACAAAAACAAATTACAAAAATTCAAAATTTTATCGATCACGAGACTAGCA 441

Query 4153 CATATGGGCTCCGGTGCCCGTCAGTGGGCAGAGCGCACATCGCCCACAGTCCCCGAGAAG 4212

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Sbjct 440 GCTAGCGGCTCCGGTGCCCGTCAGTGGGCAGAGCGCACATCGCCCACAGTCCCCGAGAAG 381

Query 4213 TTGGGGGGAGGGGTCGGCAATTGAACCGGTGCCTAGAGAAGGTGGCGCGGGGTAAACTGG 4272

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

Sbjct 380 TTGGGGGGAGGGGTCGGCAATTGAACCGGTGCCTAGAGAAGGTGGCGCGGGGTAAACTGG 321

Query 4273 GAAAGTGATGTCGTGTACTGGCTCCGCCTTTTTCCCGAGGGTGGGGGAGAACCGTATATA 4332

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Sbjct 320 GAAAGTGATGTCGTGTACTGGCTCCGCCTTTTTCCCGAGGGTGGGGGAGAACCGTATATA 261

Query 4333 AGTGCAGTAGTCGCCGTGAACGTTCTTTTTCGCAACGGGTTTGCCGCCAGAACACAGGTA 4392

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Sbjct 260 AGTGCAGTAGTCGCCGTGAACGTTCTTTTTCGCAACGGGTTTGCCGCCAGAACACAGGTA 201

Query 4393 AGTGCCGTGTGTGGTTCCCGCGGGCCTGGCCTCTTTACGGGTTATGGCCCTTGCGTGCCT 4452

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Sbjct 200 AGTGCCGTGTGTGGTTCCCGCGGGCCTGGCCTCTTTACGGGTTATGGCCCTTGCGTGCCT 141

Query 4453 TGAATTACTTCCAC-TGGCTGCAGTACGTGATTCTTGATCCCGAGCTTCGGGTTGGAAGT 4511

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Sbjct 140 TGAATTACTTCCACCTGGCTGCAGTACGTGATTCTTGATCCCGAGCTTCGGGTTGGAAGT 81

Query 4512 GGGTGGGAGAGTTCGAGGCCTTGCGCTTAAGGAGCCCCTTCGCCTCGTGCTTGAGTTGAG 4571

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

Sbjct 80 GGGTGGGAGAGTTCGAGGCCTTGCGCTTAAGGAGCCCCTTCGCCTCGTGCTTGAGT-GAG 22

Query 4572 GCCTGGCCTGGGCGCTG 4588

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Sbjct 21 GCCTG-CCTGT-CGCTG 7

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描述已自动生成

P2280-A 253-EF1-seq-F CCAGCTTGGCACTTGATGTA

Query 5251 TTGCCCTTTTTGAGTTTGGATCTTGGTTCATTCTCAAGCCTCAGACAGTGGTTCAAAGtt 5310

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Sbjct 9 TTG-CCTTTTTGAGTTTGGATCTTGGTTCATTCTCAAGCCTCAGACAGTGGTTCAAAGTT 67

Query 5311 tttttCTTCCATTTCAGGTGTCGTGAGCGATCGCCATGAATCTCCTGGACCCCTTCATGA 5370

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Sbjct 68 TTTTTCTTCCATTTCAGGTGTCGTGAGCGATCGCCATGAATCTCCTGGACCCCTTCATGA 127

Query 5371 AGATGACCGACGAGCAGGAGAAGGGCCTGTCCGGCGCCCCCAGCCCCACCATGTCCGAGG 5430

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Sbjct 128 AGATGACCGACGAGCAGGAGAAGGGCCTGTCCGGCGCCCCCAGCCCCACCATGTCCGAGG 187

Query 5431 ACTCGGCGGGCTCGCCCTGCCCGTCGGGCTCCGGCTCCGACACCGAGAATACACGGCCCC 5490

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Sbjct 188 ACTCGGCGGGCTCGCCCTGCCCGTCGGGCTCCGGCTCCGACACCGAGAATACACGGCCCC 247

Query 5491 AGGAGAACACGTTCCCCAAGGGCGAGCCGGACCTCAAGAAGGAGAGCGAAGAGGACAAGT 5550

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Sbjct 248 AGGAGAACACGTTCCCCAAGGGCGAGCCGGACCTCAAGAAGGAGAGCGAAGAGGACAAGT 307

Query 5551 TCCCCGTGTGCATCCGCGAGGCGGTCAGCCAGGTGCTCAAGGGCTACGACTGGACGCTGG 5610

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Sbjct 308 TCCCCGTGTGCATCCGCGAGGCGGTCAGCCAGGTGCTCAAGGGCTACGACTGGACGCTGG 367

Query 5611 TGCCCATGCCCGTGCGCGTCAACGGCTCCAGCAAGAACAAGCCCCACGTCAAGCGGCCCA 5670

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Sbjct 368 TGCCCATGCCCGTGCGCGTCAACGGCTCCAGCAAGAACAAGCCCCACGTCAAGCGGCCCA 427

Query 5671 TGAACGCCTTCATGGTGTGGGCGCAGGCGGCGCGCAGGAAGCTGGCCGACCAGTACCCGC 5730

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Sbjct 428 TGAACGCCTTCATGGTGTGGGCGCAGGCGGCGCGCAGGAAGCTGGCCGACCAGTACCCGC 487

Query 5731 ACCTGCACAACGCCGAGCTCAGCAAGACCCTCGGGAAGCTCTGGAGACTGCTGAACGAGA 5790

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Sbjct 488 ACCTGCACAACGCCGAGCTCAGCAAGACCCTCGGGAAGCTCTGGAGACTGCTGAACGAGA 547

Query 5791 GCGAGAAGCGGCCCTTCGTGGAGGAGGCGGAGCGGCTGCGTGTGCAGCACAAGAAAGACC 5850

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Sbjct 548 GCGAGAAGCGGCCCTTCGTGGAGGAGGCGGAGCGGCTGCGTGTGCAGCACAAGAAAGACC 607

Query 5851 ACCCGGACTACAAGTACCAGCCGCGGCGGAGGAAGTCGGTGAAGAATGGGCAGGCGGAGG 5910

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Sbjct 608 ACCCGGACTACAAGTACCAGCCGCGGCGGAGGAAGTCGGTGAAGAATGGGCAGGCGGAGG 667

Query 5911 CCGAGGAGGCCACGGAGCAGACGCACATCTCGCCCAACGCCATCTTCAAGGCGCTGCAGG 5970

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Sbjct 668 CCGAGGAGGCCACGGAGCAGACGCACATCTCGCCCAACGCCATCTTCAAGGCGCTGCAGG 727

Query 5971 CCGACTCGCCGCACTCCTCGTCCGGCATGAGCGAGGTCCATT-CCCCCGGCGAGCACTCG 6029

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Sbjct 728 CCGACTCGCCGCACTCCTCGTCCGGCATGAGCGAGGTCCATTCCCCCCGGCGAGCACTCG 787

Query 6030 GGACAATCCCAGGG-TCC-G-CCGACCCCACCCACCACTCCCAAGACCGACGTGCAGCCG 6086

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Sbjct 788 GGACAATCCCAGGGGTCCCGCCCGACCCCACCCACCACTCCCAAGACCGACGTGCAGCCG 847

Query 6087 GG-C-AAGGCTGACCTGAA-GCGAGAGGGG 6113

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Sbjct 848 GGGCAAAGGCTGACCTGAAAGCGAGAGGGG 877

图形用户界面, 文本, 应用程序, 聊天或短信

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EF1-raSOX9连接处序列峰图

许多的高楼大厦

低可信度描述已自动生成