- >X03236.1 Bacillus licheniformis 584 alpha-amylase gene
- ATTGGTAACTGTATCTCAGCTTGAAGAAGTGAAGAAGCAGAGAGGCTATTGAATAAA TGAGTAGAAAGCG
- CCATATCGGCGCTTTTCTTTTGGAAGAAAATATAGGGAAAATGGTATTTGTTAAAAATT CGGAATATTTA
- TACAATATCATATGTTTCACATTGAAAGGGGAGGAGAATCATGAAACAACAAAAACG GCTTTACGCCCGA
- TTGCTGACGCTGTTATTTGCGCTCATCTTCTTGCTGCCTCATTCTGCAGCAGCGGCGGCGCAAATCTTAATG
- GGACGCTGATGCAGTATTTTGAATGGTACATGCCCAATGACGGCCAACATTGGAAGCGCTTGCAAAACGA
- CTCGGCATATTTGGCTGAACACGGTATTACTGCCGTCTGGATTCCCCCGGCATATAA GGGAACGAGCCAA
- GCGGATGTGGGCTACGGTGCTTACGACCTTTATGATTTAGGGGAGGTTTCATCAAAAA GGGACGGTTCGGA
- CAAAGTACGGCACAAAAGGAGAGCTGCAATCTGCGATCAAAAGTCTTCATTCCCGCGACATTAACGTTTA
- CGGGGATGTGATCAACCACAAAGGCGGCGCTGATGCGACCGAAGATGTAACC GCGGTTGAAGTCGAT
- CCCGCTGACCGCAACCGCGTAATTTCAGGAGAACACCGAATTAAAGCCTGGACACA
 TTTTCATTTTCCGG
- GGCGCGGCACATACAGCGATTTTAAATGGCATTGGTACCATTTTGACGGAACCGATTGGGACGAGTC
- CCGAAAGCTGAACCGCATCTATAAGTTTCAAGGAAAGGCTTGGGAATTGGGAAGTTTCAATGAAAACGGC
- AACTATGATTATTTGATGTATGCCGACATCGATTATGACCATCCTGATGTCGCAGCAG AAATTAAGAGAT
- GGGGCACTTGGTATGCCAATGAACTGCAATTGGACGGTTTCCGTCTTGATGCTGTC AAACACATTAAATT
- TTCTTTTTTGCGGGATTGGGTTAATCATGTCAGGGAAAAAACGGGGAAAGGAAATGTT TACGGTAGCTGAA
- TATTGGCAGAATGACTTGGGCGCGCTGGAAAACTATTTGAACAAAACAAATTTTAAT CATTCAGTGTTTG
- ACGTGCCGCTTCATTATCAGTTCCATGCTGCATCGACACAGGGAGGCGGCTATGATA TGAGGAAATTGCT
- GAACAGTACGGTCGTTTCCAAGCATCCGTTGAAAGCGGTTACATTTGTCGATAACCA TGATACACAGCCG
- AATCTGGATACCCTCAGGTTTTCTACGGGGATATGTACGGGACGAAAGGAGACTCCCAGCGCGAAATTCC
- TGCCTTGAAACACAAAATTGAACCGATCTTAAAAGCGAGAAAACAGTATGCGTACGG AGCACAGCATGAT
- TATTTCGACCACCATGACATTGTCGGCTGGACAAGGGAAAGGCGACAGCTCGGTTGCAAATTCAGGTTTGG

ATGGCATGACATTACCGGAAACCGTTCGGAGCCGGTTGTCATCAATTCGGAAGGCTGGGGAGAGTTTCAC

GTAAACGGCGGGTCGGTTTCAATTTATGTTCAAAGATAGAAGAGCAGAGAGGACGG ATTTCCTGAAGGAA

TCATCAGCCCTCAGGAAGGACTTGCTGACAGTTTGAATCGCATAGGTAAGGCGGGGATGAAATGGCAACG

TTATCTGATGTAGCAAAGAAAGCAAATGTGTCGAAAATGACGGTATCGCGGGTGATC

>X03236.1 Bacillus licheniformis 584 alpha-amylase gene

ATTGGTAACTGTATCTCAGCTTGAAGAAGTGAAGAAGCAGAGAGGCTATTGAATAAA TGAGTAGAAAGCG

CCATATCGGCGCTTTTCTTTTGGAAGAAAATATAGGGAAAATGGTATTTGTTAAAAATT CGGAATATTTA

TACAATATCATATGTTTCACATTGAAAGGGGAGGAGAATCATGAAACAACAAAAACG GCTTTACGCCCGA

TTGCTGACGCTGTTATTTGCGCTCATCTTCTTGCTGCCTCATTCTGCAGCAGCGGCGGCGCAAATCTTAATG

GGACGCTGATGCAGTATTTTGAATGGTACATGCCCAATGACGGCCAACATTGGAAGCGCTTGCAAAACGA

CTCGGCATATTTGGCTGAACACGGTATTACTGCCGTCTGGATTCCCCCGGCATATAA GGGAACGAGCCAA

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CGGGGATGTGATCAACCACAAAGGCGGCGCTGATGCGACCGAAGATGTAACC GCGGTTGAAGTCGAT

CCCGCTGACCGCAACCGCGTAATTTCAGGAGAACACCGAATTAAAGCCTGGACACA TTTTCATTTTCCGG

GGCGCGGCACATACAGCGATTTTAAATGGCATTGGTACCATTTTGACGGAACCGATTGGGACGAGTC

CCGAAAGCTGAACCGCATCTATAAGTTTCAAGGAAAGGCTTGGGATTGGGAAGTTT CCAATGAAAACGGC

AACTATGATTATTTGATGTATGCCGACATCGATTATGACCATCCTGATGTCGCAGCAG AAATTAAGAGAT

GGGGCACTTGGTATGCCAATGAACTGCAATTGGACGGTTTCCGTCTTGATGCTGTC AAACACATTAAATT

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GAACAGTACGGTCGTTTCCAAGCATCCGTTGAAAGCGGTTACATTTGTCGATAACCA TGATACACAGCCG AATCTGGATACCCTCAGGTTTTCTACGGGGATATGTACGGGACGAAAGGAGACTCCCAGCGCGAAATTCC

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GTAAACGGCGGGTCGGTTTCAATTTATGTTCAAAGATAGAAGAGCAGAGAGGACGG ATTTCCTGAAGGAA

TCATCAGCCCTCAGGAAGGACTTGCTGACAGTTTGAATCGCATAGGTAAGGCGGGGATGAAATGGCAACG

TTATCTGATGTAGCAAAGAAAGCAAATGTGTCGAAAATGACGGTATCGCGGGTGATC

>Y16671.1 Bacillus licheniformis narK, fnr and ywiC genes

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ATTTTTCAAATCAGGCCGGCATCGTTAATGGGATCGTATCAGCGATGGGCGGCTTGGGAGGATTTTTCCC

GCCTCTCATCCTGTCAAGCGTTTTTCAGGCAACCGGCCATTATGCGATCGGATTCAT GGCGCTGTCAGAA

GCGGCTCTTGCAAGCTTTGTGATCGTGGTCTGGATGTATTTTCAGGAAGTGAACAA AACATCGTCCAAAA

CGAAGGCCAACCATTTATAAGCCCTTCCTGCAAAAAGAGATTGAGCCGATATGCCCA GGCTCTTTTTCGG

GACTATATTCATATGTTCACAATATTGTTTATATTTAAAAAGGTCACTCTGCCTTATTTAA CGTTAAAATA

AGAACTGCAAAAGGGGTGACGCTCAATGAACATTTCTGTTAGAAAATCAGACACAG ATTTGCTCTCAGAC

AAGGGATGGATGCAGAGGAACTGTATCTTATTCAGTCAGGACTTGTCCAGATCGGC AAATTGACGTCCGA

TGGCAAAGAACTGACGCTTAGAATGTGCAAAAAAAAATGATATTGTCGGGGAGCTTAC GCTTTTTACAGAA

GATGCGAAATATATGCTGAGCGCAAAGATCCTCTCTGATGGCGAAGTGTTGGTCATC AATAAAGATAAGC

TTGAAAAAGAACTCATTCAAAACGGTGCGCTGACGTTTGAGTTTATGAAATGGATGA GCACGCATTTGCG

AAAGATTCAATCGAAGATCCGCGACCTTTTGCTGAATGGTAAAAAAGGCGCGCTCTA

CTCCACCTTGATC

CGTCTCGCAAACAGCTACGGCATCACAAGAAGCGACGGGATTCTCATCAATATTGT CCTGACGAACCAGG

ATCTGGCGAAATTTTGTGCTGCTGCAAGAGAAAGCATCAACCGCATGCTGAGCGACCTCCGGAAGAACGG

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GCTCAGAGATTCCGATTATCTTAATCGACAGTTTCCTCCCGTGGAAAAACCACGCTC TAAGACTGCTCGG

CACTACGCCGATCACCGCCCATCCTGCCCTGCGGCCAGCGAGACGAACGGCAGGAAAACATGGTAGCCCC

ATGAATAAAGCTTGAATCGAT

>MT330117.1 Bacillus licheniformis strain SU215 1 Msr family ABC-F type ribosomal protection protein (msrD) gene, partial cds

TGAGCAATTAAATATACAGACTATGAGCGGTGGTGAAGAACAAGGCTTAAAATAGC ACAGGCCTTATCG

GCACAGGTTCATGGTATTTTAGCGGATGAACCTACGAGCCATTTAGACCGTGAAGG AATTGATTTTCTAA

TAGGACAGCTAAAATATTTTACAGGTGCACTGTTAGTTATTAGCCATGACCGCTATTTT
CTTGATGAAAT

AGTAGATAAAATATGGGAACTGAAAGATGGCAAAATCACTGAGTATTGGGGAAACTA TTCTGATTATCTT

CGTCAGAAAGAGGAACGTAAGAGCCAAGCTGCAGAATACGAACAATTTATTGC GGAACGTGCCCGAT

TGGAAAGGCTGCGGAGGAAAAGCGAAAACAGGCTCGTAAAATAGAACAGAAGGC AAAAGGTTCTTCAAA

GAAAAAAAGTACTGAAGACGGAGGGCGTTTAGCTCATCAAAAATCAATAGGAAGTAA GGAAAAAAAGATG

TATAATGCTGCTAAAACCCTAGAGCACAGGATTGCGGCCTTAGGAAAAGTAGAAGCTCCGGAAGGCATTC

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TAATAAAGTATTTGGGGATAAGGCTCTGTTTGAAAATGCATCTTTTCAAATTCCGTTA GGAGCAAAAGTG

GCGTTAACTGGTGGTAATGGAATCGGAAAAACAACTTTAATCCAAATGATCTTAAACC ATGAAGAAGAA

TTTCTATTTCGCCTAAGGCAAAAATAGGTTACTTTGCACAGAATGGTTACAAGTACAA

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GGGTTCAAACAGAACGATATTGGAAAAAGTTTATCTGTTTTAAGCGGTGGAGAAATT ATAAAATTGTTGC TTGCTAAAATGCTCATGGGTAGATATAACATCCTAATAATGGATGAACCCAGTAACTT CCTTGACATACC AAGTTTA

CTCTGTCATCGCAGTTGGCGCGGTAGACTCTAACAGCAACAGAGCTTCATTTTCCAGCGTCGGAGCAGAG