

**Table S3 The Nucleic acid sequence of 16 candidate *CsAAAT* genes**

Transcript	Number	Nucleic acid sequence(5'-3')
Unigene22082_All	<i>CsAAAT1-1</i>	ATGTTGTTGGAGAAAAGAATTTGTTGTTAGCTTTAAGGATCATCATCATATTG CTAATTAGGAAGCTCAATTTTGGGACTCTTGGTCTTCTCAATTTTGCAGAC CATACCATACCAGAGGTACACGGAACAGTGAGATACAGAGACAGAGATTGG AATTTGGAGCCAAGATTTTGAATAATGGAAGTAGCCAACAATTGGAAACGCC GACGAAACATCACAATCAAAGGCATTCTGGGTCTGTTGATGGCCAACATCGATT CCAACGACGAGAGGCGAATTATTCTCTGGGTATGGGAGACCCATCTGCCTAC TCTTGCTTCCACCACTGTTGTTGCTGAAGAAGCTGTGGTCGATTCTCTTCG CTCTGAGAAGTTCAATGGCTACTCTCCACAGTCGGTCTTCTCAAACCAGAA CTGCAATTGCCGAATATTGTGACGTGATCTCCCTTACAAGTTATCACCCGACG ATGCTTTTGTACATCTGGTTGCACTCAAGCTATTGATGTAGCATTGTCAATGT TAGCTCGCCCGGGAGTGAATATTTGCTTCCAAGGCCAGGGTTCCTCAATCTAC GAACTTTGTGCTGCTTTTAGACATCTTGAAGTTCGGCATTTTGAATCTTCTCC GAAAAGGGTTGGGAAGTTGATCTTGATGCTGTGCAAGCTCTTGACAGCCATA AACTGCTGCAATGTAATCATAAATCCTGGGAATCCATGTGGCAACGTCTATA CTTATCAACATTTGAAGAAGATTGCTGAAACTGCTAAAAGGCTGAAAATTCTT GTAATTGCTGATGAAGTTTATGGCCACCTTGCTTTTGGGGCTAATCCTTTTGTG CCGATGGGAGTTTTTGGTTCAGTTGTTCAGTTCTCACGCTTGGCTCTTTATCA AAGCGATGGATAGTCCCGGTTGGCGACTTGGTTGGTTTGTGATAAATGATCC AAATGACATCTTCAGAAACCCAAAGATTGTTGAGCGGCTTAAGAAGTATTTTG ATATTCTTGGGGTCTTCGACATTATACAGGCAGCAGTCCCGCGCATTCTTC AGCAAATGAAGCGTATTCTTTACAAAGACCATTAAATATACTAAAGCAGACC TCTGATATTTGTTGTGAAAGAATAAAGGAGATTCTTGCAATTCATGCCATAT AAACCAGTGGGATCCATGGCTGTTATGATGAACTGAATGTTCCCTCTCAA AGACATTAGCGATGACATTGACTTTTGCTTCAAAGTGGCCAAGGAGGAATCTG TGATCATTCTTCCAGGACTTGCTGTGGGTATGAAAGATTGGATTGCGATCACTT TCGCGGTTGAACCATCTTCACTTGAAGAAGCTTTCGGGAGGGTGAAGTCTTT CTATCACCGACACTCCAATCAGCAAATAGAATACTAA ATGGAAAATGGAGGGAAGAAATTGAATAATGGAAGTAGCCAACAATTCGAAA CGCCGACGAACATCACAATCAAAGGCATTCTGGGTCTGTTGATGGCCAACATC GATTCCAACGACGAGAGGCGAATTATTTCTCTGGGTATGGGAGACCCATCTGC TACTCTTGCTTCCACACCACTGTTGTTGCTGAAGAAGCTGTGGTCGATTCTC TTCGCTCTGAGAAGTTCAATGGCTACTCTCCACAGTCGGTCTTCTCAAACC AGAACTGCAATTGCCGAATATTGTGACGTGATCTCCCTTACAAGTTATCACCC GACGATGCTTTTGTACATCTGGTTGCACTCAAGCTATTGATGTAGCATTGTCA
		ATGTTAGCTCGCCCGGGAGTGAATATTTGCTTCCAAGGCCAGGGTTCCTCAAT CTACGAACTTTGTGCTGCTTTTAGACATCTTGAAGTTCGGCATTTTGAATCTTCT TCCCGAAAAGGGTTGGGAAGTTGATCTTGATGCTGTGCAAGCTCTTGACAGAC CATAACACTGCTGCAATGGTAATCATAAATCCTGGGAATCCATGTGGCAATGTC TATACTTATCAACATTTGAAGAAGATTGCTGAAACTGCTAAAAGGCTGAAAAT TCCTGTAATTGCTGATGAAGTTTATGGCCACCTTGCTTTTGGGGCTAATCCTTT TGTGCCGATGGGAGTTTTTGGTTCAGTTGTTCCAGTTCTCACGCTTGGCTCTTT ATCAAAGCGATGGATAGTCCCGGTTGGCGACTTGGTTGGTTTGTGATAAATG
Unigene17062_All	<i>CsAAAT1-2</i>	

		<p>ATCCAAATGACATCTTCAGAAACCCAAAGATTGTTGAGCGGCTTAAGAAGTAT TTTGATATTCTTGGGGGTCCTTCGACATTATACAGGCAGCAGTCCCGCGCATT CTTCAGCAAACTGAAGACGTATTCTTTACAAAGACCATTAATATACTAAAGCA GACCTCTGATATTGTTGTGAAAGAATAAAGGAGATTCTTGCAATTCATGCC ATATAAACCAAGTGGGATCCATGGCTGTTATGATGAACTGAATGTTCCCTCCT CAAAGACATTAGCGATGACATTGACTTTTGCTTCAAAGTGGCCAAGGAGGAAT CTGTGATCATTCTCCAGGACTTGCTGTGGGTATGAAAGATTGGATTTCGCATCA CTTCGCGGTTGAACCATCTCACTGAAGAAGCTTTCGGGAGGGTGAAGTC TTTCTATCACCGACACTCCAATCAGCAAATAGAATACTAA ATGTTGTTGGAGAAAAGAATTTGTTGTTAGCTTTAAGGATCATCATCATATTG CTAATTAGGAAGCTCAATTTTGGGACTCTTGGTCTTCTCAATTTTGCAGAC CATACCATACCAGAGCTACACGGAACAGTGAGATACAGAGACAGAGAAATGG AAAATGGAGGGAAGAAATTGAATAATGGAAGTAGCCAACAATTCGAAACGCC GACGAACATCACAATCAAAGGCATTCTGGGTGTTGATGGCCAACATCGATT CCAACGACGAGAGGCGAATTATAACTCTGCCTATGCCAGACGGATCTGCCTAC TCTTGCTTCCAGACCACTGTTGCTGAAGAAAGCTGTGGTTCGATTCTCTTCG CTCTGAGAAGTTCAATGGCTACTCTCCACAGTCGGTCTTCTCAAACCAGAA CGCAATTGCCGAATATTGTCACGTGATCTCCCTTACAAGTTATCACCCGACG ATGCTTTTGTACATCTGGTTGCACTCAAGCTATTGATGTAGCATTGTCAATGT TAGCTCGCCCGGGAGTGAATATTTGCTTCCAAGGCCAGGGTTCCTCAATCTAC GAACTTTGTGCTGCTTTTAGACATCTTGAAGTTCGGCATTTTGATCTTCTTCCC GAAAAGGGTTGGGAAGTTGATCTTGATGCTGTGCAAGCTCTTGACAGCCATA ACACTGCTGCAATGTAATCATAAATCCTGGGAATCCATGTGGCAATGTCTATA CTTATCAACATTTGAAGAAGATTGCTGAAACTGCTAAAAGGCTGAAAATTCCT GTAATTGCTGATGAAGTTTATGGCCACCTTGCTTTTGGGGCTAATCCTTTTGTG CCGATGGGAGTTTTTGGTTCAAGTTGTTCCAGTTCTCACGCTTGGCTCTTTATCA AAGCGATGGATAGTCCCGGTTGGCGACTTGCTTGGTTTGTGATAAATGATCC AAATGACATCTTCAGAAACCCAAAGATTGTTGAGCGGCTTAAGAAGTATTTG ATATTCTTGGGGGTCCTTCGACATTATACAGGCAGCAGTCCCGCGCATTCTTC AGCAAACTGAAGGCGTATTCTTTACAAAGACCATTAATATACTAAAGCAGACC TCTGATATTTGTTGTGAAAGAATAAAGGAGATTCTTGCAATTCATGCCATAT AAACCAGTGGGATCCATGGCTGTTATGATGAACTGAATGTTCCCTCCTCAA AGACATTAGCGATGACATTGACTTTTGCTTCAAAGTGGCCAAGGAGGAATCTG TGATCATTCTTCCAGGTGAGATACGAATCATCAATCGATCGCCTAATTAG ATGTTGTTGGAGAAAAGAATTTGTTGTTAGCTTTAAGGATCATCATCATATTG CTAATTAGGAAGCTCAATTTTGGGACTCTTGGTCTTCTCAATTTTGCAGAC CATACCATACCAGAGCTACACGGAACAGTGAGATACAGAGACAGAGAAATGG AAAATGGAGGGAAGAAATTGAATAATGGAAGTAGCCAACAATTCGAAACGCC GACGAACATCACAATCAAAGGCATTCTGGGTCTGTTGATGGCCAACATCGATT CCAACGACGAGAGGCGAATTATTCTCTGGGTATGGGAGACCCATCTGCCTAC TCTTGCTTCCACACCACTGTTGTTGCTGAAGAAGCTGTGGTTCGATTCTCTTCG CTCTGAGAAGTTCAATGGCTACTCTCCACAGTCGGTCTTCTCAAACCAGAA CGCAATTGCCGAATATTGTCACGTGATCTCCCTTACAAGTTATCACCCGACG ATGCTTTTGTACATCTGGTTGCACTCAAGCTATTGATGTAGCATTGTCAATGT</p>
Unigene13237_All	CsAAAT1-3	
Unigene65900_All	CsAAAT1-4	

Unigene71295_All	<p><i>CsAAAT1-5</i></p> <p>TAGCTCGCCCGGAGTGAATATTTGCTTCCAAGGCCAGGGTTCCCAATCTAC  GAACTTTGTGCTGCTTTTAGACATCTTGAAGTTCGGCATTTTGATCTTCTCCC  GAAAAGGGTTGGGAAGTTGATCTTGATGCTGTGCAAGCTCTTGCGAGACCATA  ACACTGCTGCAATGGTAATCATAAATCCTGGGAATCCATGTGGCAATGTCTATA  CTTATCAACATTTGAAGAAGATTGCTGAAACTGCTAAAAGGCTGAAAATCTCT  GTAATTGCTGATGAAGTTTATGGCCACCTTGCTTTTGGGGCTAATCCTTTTGTG  CCGATGGGAGTTTTTGGTTCAGTTGTTCCAGTTCTCACGCTTGGCTCTTTATCA  AAGCGATGGATAGTCCCCGGTTGGCGACTTGTTGGTTTGTGATAAATGATCC  AAATGACATCTTCAGAAACCCAAAGATTGTTGAGCGGCTTAAGAAGTATTTTG  ATATTCTTGGGGTCTTCGACATTATACAGAATTCTGAGGAATAA  ATGGAAAATGGAGGGAAGAAATTGAATAATGGAAGTAGCCAACAATTCGAAA  CGCCGACGAACATCACAATCAAAGGCATTCTGGGTCTGTTGATGGCCAACATC  GATTCCAACGACGAGAGGCGAATGATTTCTCTGGGTATGGGAGACCCATCTGC  CTACTCTTGCTTCCACACCACTGTTGTGCTGAAGAAGCTGTGGTCGATTCTC  TTCGCTCTGAGAAGTTCAATGGCTACTCTCCACAGTCGGTCTTCCTCAAACC  AGAACTGCAATTGCCGAATATTTGTACGTGATCTCCCTTACAAGTTATCACCC  GACGATGCTTTTGTACATCTGGTTGCACTCAAGCTATTGATGTAGCATTGTCA  ATGTTAGCTCGCCCGGAGTGAATATTTGCTTCCAAGGCCAGGGTTCCCAAT  CTACGAACTTTGTGCTGCTTTTAGACATCTTGAAGTTCGGCATTTTGATCTTCT  TCCCGAAAAGGGTTGGGAAGTTGATCTTGATGCTGTGCAAGCTCTTGCGAGAC  CATAACACTGCTGCAATGGTAATCATAAATCCTGGGAATCCATGTGGCAATGTC  TATACTTATCAACATTTGAAGAAGATTGCTGAAACTGCTAAAAGGCTGAAAAT  TCCTGTAATTGCTGATGAAGTTTATGGCCACCTTGCTTTTGGGGCTAATCCTTT  TGTGCCGATGGGAGTTTTTGGTTCAGTTGTTCCAGTTCTCACGCTTGGCTCTTT  ATCAAAGCGATGGATAGTCCCCGGTTGGCGACTTGTTGGTTTGTGATAAATG  ATCCAAATGACATCTTCAGAAACCCAAAGATTGTTGAGCGGCTTAAGAAGTAT  TTTGATATTCTTGGGGTCTTCGACATTATACAGAATTCTGAGGAATAA  ATGTTGTTGGAGAAAAGAATTGTTGTTAGCTTTAAGGATCATCATCATATTG  CTAATTAGGAAGCTCAATTTTGGGACTCTTTGGTCTTCTCAATTTTTCAGAC  CATACCATAACCAGAGCTACACGGAACAGTGAGATACAGAGACAGAGAAATGG  AAAATGGAGGGAAGAAATTGAATAATGGAAGTAGCCAACAATTCGAAACGCC  GACGAACATCACAATCAAAGGCATTCTGGGTCTGTTGATGGCCAACATCGATT  CCAACGACGAGAGGCGAATTATTCTCTGGGTATGGGAGACCCATCTGCCTAC  TCTTGCTTCCACACCACTGTTGTTGCTGAAGAAGCTGTGGTCGATTCTCTTCG  CTCTGAGAAGTTCAATGGCTACTCTCCACAGTCGGTCTTCCTCAAACCAGAA  CGGCAATTGCCGAATATTTGTACGTGATCTCCCTTACAAGTTATCACCCGACG  ATGCTTTTGTACATCTGGTTGCACTCAAGCTATTGATGTAGCATTGTCAATGT  TAGCTCGCCCGGAGTGAATATTTGCTTCCAAGGCCAGGGTTCCCAATCTAC  GAACTTTGTGCTGCTTTTAGACATCTTGAAGTTCGGCATTTTGATCTTCTCCC  GAAAAGGGTTGGGAAGTTGATCTTGATGCTGTGCAAGCTCTTGCGAGACCATA  ACACTGCTGCAATGGTAATCATAAATCCTGGGAATCCATGTGGCAATGTCTATA  CTTATCAACATTTGAAGAAGATTGCTGAAACTGCAAAAAGGCTGAAAATCTT  GTAATTGCTGATGAAGTTTATGGCCACCTTGCTTTTGGGGCTAATCCTTTTGTG  TCGATTGGAGTCTTTGGATCGGTTGTTCCAGTTCTCACGCTTGGGTCTTTATCA</p>
Unigene65894_All	<p><i>CsAAAT1-6</i></p> <p>CGGCAATTGCCGAATATTTGTACGTGATCTCCCTTACAAGTTATCACCCGACG  ATGCTTTTGTACATCTGGTTGCACTCAAGCTATTGATGTAGCATTGTCAATGT  TAGCTCGCCCGGAGTGAATATTTGCTTCCAAGGCCAGGGTTCCCAATCTAC  GAACTTTGTGCTGCTTTTAGACATCTTGAAGTTCGGCATTTTGATCTTCTCCC  GAAAAGGGTTGGGAAGTTGATCTTGATGCTGTGCAAGCTCTTGCGAGACCATA  ACACTGCTGCAATGGTAATCATAAATCCTGGGAATCCATGTGGCAATGTCTATA  CTTATCAACATTTGAAGAAGATTGCTGAAACTGCAAAAAGGCTGAAAATCTT  GTAATTGCTGATGAAGTTTATGGCCACCTTGCTTTTGGGGCTAATCCTTTTGTG  TCGATTGGAGTCTTTGGATCGGTTGTTCCAGTTCTCACGCTTGGGTCTTTATCA</p>

Unigene3903_All	<i>CsAAAT1-7</i>	<p> AAGCGATGGATAGTCCCGGTTGGCGACTTGGTTGGTTTGTGATAAATGATCC  AAATGACATCTTCAGAAACCCAAAGATTGTTGAGCGGCTTAAGAAGTATTTTG  ATATTCTTGGGGTTCCTTCGACATTATACAGAATTCTGAGGAATAA  ATGGAAAATGGAGGGAAGAAATTGAATAATGGAAGTAGCCAACAATTCGAAA  CGCCGACGAACATCACAAATCAAAGGCATTCTGGGTCTGTTGATGGCCAACATC  GATTCCAACGACGAGAGGCGAATTATTTCTCTGGGTATGGGAGACCCATCTGC  CTACTCTTGCTTCCACACCACTGTTGTTGCTGAAGAAGCTGTGGTCGATTCTC  TTCGCTCTGAGAAGTTCAATGGCTACTCTCCACAGTCGGTCTTCTCAAACC  AGAACTGCAATTGCCGAATATTTGTACGTGATCTCCCTTACAAGTTATCACCC  GACGATGCTTTTGTACATCTGGTTGCACTCAAGCTATTGATGTAGCATTGTCA  ATGTTAGCTCGCCCGGAGTGAATATTTGCTTCCAAGGCCAGGGTTCCCAAT  CTACGAACTTTGTGCTGCTTTTAGACATCTTGAAGTTCGGCATTGTGATCTTCT  TCCCGAAAAGGGTTGGGAAGTTGATCTTGATGCTGTGCAAGCTCTTGACAGAC  CATAACACTGCTGCAATGGTAATCATAAATCCTGGGAATCCATGTGGCAACGT  CTATACTTATCAACATTTGAAGAAGATTGCTGAAACTGCTAAAAGGCTGAAAA  TTCCTGTAATTGCTGATGAAGTTTATGGCCACCTTGCTTTTGGGGCTAATCCTT  TTGTGCCGATGGGAGTTTTTGGTTCAGTTGTTCCAGTTCTCACGCTTGGCTCTT  TATCAAAGCGATGGATAGTCCCGGTTGGCGACTTGGTTGGTTTGTGATAAAT  GATCCAAGTGACTTCTTCAAAAACCCCAAGGTTTGCTTTGTGTACTTTCTCTT  CTGGTAA  TGTTGTTTAGCTTTAAGGATCATCATATTTGCTAATTAGGAAGCTCAATTTT  GGGACTCTTTGGTCTTCTCAATTTTGCAGACCATAACCATAACCAGAGCTACAC  GGAACAGTGAGATACAGAGACAGAGAAATGGAAAATGGAGGGAAGAAATTG  AATAATGGAAGTAGCCAACAATTCGAAACGCCGACGAACATCACAAATCAAAG  GCATTCTGGGTCTGTTGATGGCCAACATCGATTCCAACGACGAGAGGCGAATT  ATTTCTCTGGGTATGGGAGACCCATCTGCCTACTCTTGCTTCCACACCACTGTT  GTTGCTGAAGAAGCTGTGGTCGATTCTCTCGCTCTGAGAAGTTCAATGGCTA  CTCTCCCACAGTCGGTCTTCTCAAACCAGAACTGCAATTGCCGAATATTTGT  CACGTGATCTCCCTTACAAGTTATCACCCGACGATGCTTTTGTACATCTGGTT  GCACTCAAGCTATTGATGTAGCATTGTCAATGTTAGCTCGCCCGGAGTGAATA  TTTTGCTTCCAAGGCCAGGGTTCCCAATCTACGAACTTTGTGCTGCTTTTAGA  CATCTTGAAGTTCGGCATTGTGATCTTCTTCCGAAAAGGGTTGGGAAGTTGA  TCTTGATGCTGTGCAAGCTCTTGACAGACCATAACACTGTGCAATGGTAATCAT  AAATCCTGGGAATCCATGTGGCAACGTCTATACTTATCAACATTTGAAGAAGAT  TGCTGAAACTGCTAAAAGGCTGAAAATTCCTGTAATTGCTGATGAAGTTTATG  GCCACCTTGCTTTTGGGGCTAATCCTTTTGTGCCGATGGGAGTTTTTGGTTCAG  TTGTTCCAGTTCTCACGCTTGGCTCTTATCAAAGCGATGGATAGTCCCGGTT  GGCGACTTGTTGGTTTGTGATAAATGATCCAAGTGACTTCTTCAAAAACCC  AAGGTTTGCTTTGTGTACTTTCTCTTCTGGTAA  ATGGGAGTTTTTGGTTCAGTTGTTCCAGTTCTCACGCTTGGCTCTTATCAAAG  CGATGGATAGTCCCGGTTGGCGACTTGTTGGTTTGTGATAAATGATCCAAA  TGACATCTTCAGAAACCCAAAGATTGTTGAGCGGCTTAAGAAGTATTTGATA  TTCTTGGGGTTCCTTCGACATTATACAGGCAGCAGTCCCGCGCATTCTCAG  CAAACCTGAAGACGTATTCTTTACAAAGACCATTAATACTAAAGCAGACCTC </p>
Unigene39034_All	<i>CsAAAT1-8</i>	<p> GCACTCAAGCTATTGATGTAGCATTGTCAATGTTAGCTCGCCCGGAGTGAATA  TTTTGCTTCCAAGGCCAGGGTTCCCAATCTACGAACTTTGTGCTGCTTTTAGA  CATCTTGAAGTTCGGCATTGTGATCTTCTTCCGAAAAGGGTTGGGAAGTTGA  TCTTGATGCTGTGCAAGCTCTTGACAGACCATAACACTGTGCAATGGTAATCAT  AAATCCTGGGAATCCATGTGGCAACGTCTATACTTATCAACATTTGAAGAAGAT  TGCTGAAACTGCTAAAAGGCTGAAAATTCCTGTAATTGCTGATGAAGTTTATG  GCCACCTTGCTTTTGGGGCTAATCCTTTTGTGCCGATGGGAGTTTTTGGTTCAG  TTGTTCCAGTTCTCACGCTTGGCTCTTATCAAAGCGATGGATAGTCCCGGTT  GGCGACTTGTTGGTTTGTGATAAATGATCCAAGTGACTTCTTCAAAAACCC  AAGGTTTGCTTTGTGTACTTTCTCTTCTGGTAA </p>
Unigene63900_All	<i>CsAAAT1-9</i>	<p> TGACATCTTCAGAAACCCAAAGATTGTTGAGCGGCTTAAGAAGTATTTGATA  TTCTTGGGGTTCCTTCGACATTATACAGGCAGCAGTCCCGCGCATTCTCAG  CAAACCTGAAGACGTATTCTTTACAAAGACCATTAATACTAAAGCAGACCTC </p>

CL11783.Contig7_All	<i>CsAAAT2-1</i>	<p>             TGATATTGTTGTGAAAGAATAAAGGAGATTTCCTTGCAATTCATGCCCATATAA              ACCAGTGGGATCCATGGCTGTTATGATGAACTGAATGTTTCCTCCTCAAAG              ACATTAGCGATCACATTGACTTAAGCTTCATTCTGGCCAAGGAGGAATCTGTG              ATCATTCTTCCAGGACTTGCTGTGCCTATGATTGATTGGATTGCGATCACTAAC              GCGGTTGAACCATCTCACTTGAAGAAGGTTTCGGGAGGGTGAAGTCTTCTA              TCACCGACACTCCAATCAGCAAATAGAATACTAA              ATGGAGAACGGATCATCGACGGCGGTGAGATGGGGTTTCCAAGGGAACAAA              GGGCTGAGCACGGCGTCGGCGATCACCATTAGAGGAATTCTGAACGAGGTTA              CGGAAAACATCGACAAAGCAGACCCTAGGCCCATCATTCCTCTCGGCCACGG              CGACCCCTCTGCTTTTCCCTGCTTTCGGACCACTCCTTCGCCGAGGACGCCA              TCGCCGACGCGTCCGATCCGCCAAATTCAACGGTTATTCTCTACCGTCGGTA              TTCTCCGGCTCGAAGGGCCATAGCAGAGTACCTCTCAAAAGATCTTCCATAC              AAGTTGTCACCAGACGATGTTTATTTGACAATTGGATGTACACAAGCAATTGA              AGTTATGTTAACAGTCTTGCTCGTCCAATAGCTTACATTCTGCTGGCAAGACC              AGGCTTGGCACTCTATGAACCGCGTGCTGCTTATAGCCATCTTGAAGTCCGCC              ACTATGATCTTCTACAGAGAAAGGTTGGGAGGTAGATCTTGATGCAGTTGAA              GCTCTAGCAGATGAAAATACTGTCGCTATGGCTATTATTAATCCTGGCAATCCT              TGTGGGAATGTCTTTACATACCAACATTTAAAGCAGGTTGCTAAGACTGCAAG              AAAGCTTGGAATATTAGTGATTGCTGATGAAGTTTATGATCATCTTACTTTTGG              GAGTAACCCATTCGTGCCCATGGGAGTCTTTGGATCAATTGCACCTGTTATTAC              AGTTGGGTCTATATCCAAGAGGTGGATTGTTCCAGGTTGGCGACTTGGTTGGC              TTGTCACAAATGATCCCAATGGCATCCTTGCAAAATATGGGATAGTTGACTGCA              TTAAGGGCTTTCTAAATATTTCCGCTGACCCGGCAACTTTCATTAGGGGGCA              ATTCTCAAAATCCTTGAGAAAACGAAAGATGATTCTTTTCAAAATTGTAAAT              GTACTGAGAGAAGCTGCAGACATTGCTATTATGGAATTAAGAGATCCCTTG              CATTTCTTGCCCAAGCAAACCTGAAGGATCTATGTTTGAATGGTGAACTAA              ATCTGTCACTCCTGGAAGACATTAAGATGATATTGACTTCTCTTTCAAGCTGG              CAAAGGAGGAGTCTGTGATTGTTCTACCAGGGGTGGCTGTAGGACTAAAGAA              TTGGCTCCGCATAACATTTGCCATTGAGCCATCATCTCTTGAAGAAGGCCTGG              GGAGAATAAAAGCTTTCTACCAAAGGCATGCTAAGAAGCAATAA              ATGGGGCTAAATAGCTCCCAAGAACTGCTTCCGCTGGGCTCAATCCACCGCC              TATGGTTCTAGCCGAGCTGGCTTCTTCGGCGCCGACCAGCCGACCCTGGAGA              GACACCCATGCAAGCTGTCTCGCTGCTCTCACGGGCGGATTGCGCCTTGTA              ATGGCTCGAGAGCCGGCGGGGAGGGAGAGACTGAAGGCGAGAATGGCGT              CAGAGTGACGATAGATGGCGCCGAAAAGCAGCCCCGAAGCCGCTCTCCGGC              TCTTCTCATCCATGGACACACACAGAGAGAGAGAGAGAAGATGGAG              AACGGATCATCGACGGCGGTGAGATGGGGTTTCCAAGGGAACAAAGGCTG              AGCACGGCGTCGGCGATCACCATTAGAGGAATTCTGAACGAGGTTACGGAAA              ACATCGACAAAGCAGACCCTAGGCCCATCATTCCTCTCGGCCACGGCGACCC              CTCTGCTTTTCCCTGCTTTCGGACCACTCCTTTCGCCGAGGACGCCATCGCCG              ACGCCGTCGGATCCGCCAAATTCAACGGTTATTCTCTACCGTCGGTATTCTTC              CGGCTCGAAGGGCCATAGCAGAGTACCTCTCAAAAGATCTTCCATACAAGTTG              TCACCAGACGATGTTTATTGACAATTGGATGTACACAAGCAATTGAAGTTATG              TTAACAGTTCTTGCTCGTCCAAATGCAAACATTCTGCTCCCAAGACCAGGCTT           </p>
CL11783.Contig1_All	<i>CsAAAT2-2</i>	<p>             AACGGATCATCGACGGCGGTGAGATGGGGTTTCCAAGGGAACAAAGGCTG              AGCACGGCGTCGGCGATCACCATTAGAGGAATTCTGAACGAGGTTACGGAAA              ACATCGACAAAGCAGACCCTAGGCCCATCATTCCTCTCGGCCACGGCGACCC              CTCTGCTTTTCCCTGCTTTCGGACCACTCCTTTCGCCGAGGACGCCATCGCCG              ACGCCGTCGGATCCGCCAAATTCAACGGTTATTCTCTACCGTCGGTATTCTTC              CGGCTCGAAGGGCCATAGCAGAGTACCTCTCAAAAGATCTTCCATACAAGTTG              TCACCAGACGATGTTTATTGACAATTGGATGTACACAAGCAATTGAAGTTATG              TTAACAGTTCTTGCTCGTCCAAATGCAAACATTCTGCTCCCAAGACCAGGCTT           </p>

CL11783.Contig12_All	<i>CsAAAT2-3</i>	<p>             CCCACTCTATGAAGCCCGTGCATTAGCCATCTTGAAGTCGCCACTATGA              TCTTCTCCAGAGAAAGGTTGGGAGGTAGATCTTGATGCAGTTGAAGCTCTAG              CAGATGAAAATACTGTCGCTATGGCTATTATTAATCCTGGCAATCCTTGTGGGA              ATGTCTTTACATACCAACATTTAAAGCAGGTTGCTAAGACTGCAAGAAAGCTT              GGAATATTAGTGATTGCTGATGAAGTTTATGATCATCTTACTTTTGGGAGTAAC              CCATTCTGCCCCATGGGAGTCTTTGGATCAATTGCACCTGTTATTACAGTTGGG              TCTATATCCAAGAGGTGGATTGTTCCAGGTTGGCGACTTGGTTGGCTTGTAC              AAATGATCCCAATGGCATCCTTGCAAAATATGGGATAGTTGACTGCATTAAGG              GCTTTCTAAATATTTCCGCTGACCCGGCAACTTTCATTACAGGGGCAATTCCTC              AAATCCTTGAGAAAACGAAAGATGATTTCTTTTCCAAAATGTTAATGTACTG              AGAGAAGCTGCAGACATTTGCTATTATGGAATTAAGAGATCCCTTGCAATTCT              TGCCCAAGCAAACCTGAAGGATCTATGTTTGAATGGTGAAACTAAATCTGTC              ACTCCTGGAAGACATTAAAGATGATATTGACTTCTCTTTCAAGCTGGCAAAGG              AGGAGTCTGTGATTGTTCTACCAGGGTGGCTGTAGGACTAAAGAATTGGCTC              CGCATAACATTTGCCATTGAGCCATCATCTCTTGAAGAAGGCCTGGGGAGAAT              AAAAGCTTTCTACCAAAGGCATGCTAAGAAGCAATA              CAAGGGAACAAAGGGCTGAGCACGGCGTCGGCGATCACCATTAGAGGAATTC              TGAACGAGGTTACGGAACATCGACAAAGCAGACCCTAGGCCCATCATTCC              TCTCGGCCACGGCGACCCCTCTGCTTTTCCCTGCTTTTCGGACCACTCCTTCG              CCGAGGACGCCATCGCCGACGCGTCCGATCCGCCAAATTCAACGGTTATTCT              CCTACCGTCGGTATTCTTCCGGCTCGAAGGGCCATAGCAGAGTACCTCTCAA              AGATCTTCCATACAAGTTGTCACCAGACGATGTTTATTGACAATTGGATGTAC              ACAAGCAATTGAAGTTATGTTAACAGTTCTTGCTCGTCCAAATGCAACAATTC              TGCTCCCAAGACCAAGGCATGGCACTCTATGAACCGCGTCTGCTTATAGCCAT              CTGAAGTCCGCCACTATGATCTTCTACAGAGAAAGGTTGGGAGGTAGATCT              TGATGCAGTTGAAGCTCTAGCAGATGAAAATACTGTCGCTATGGCTATTATTAA              TCCTGGCAATCCTGTGGGAATGCTTTACATACCAACATTTAAAGCAGGTTGC              TAAGACTGCAAGAAAGCTTGAATATTAGTGATTGCTGATGAAGTTTATGATCA              TCTTACTTTTGGGAGTAACCCATTCGTGCCCATGGGAGTCTTTGGATCAATTGC              ACCTGTTATTACAGTTGGGTCTATATCCAAGAGGTGGATTGTTCAGGTTGGCG              ACTTGGTTGGCTTGTCAAAATGATCCCAATGGCATCCTTGCAAAATATGGGAT              AGTTGACTGCATTAAGGGCTTTCTAAATATTTCCGCTGACCCGGCAACTTTCAT              TCAGGGGGCAATTCCCTCAAATCCTTGAGAAAACGAAAGATGATTCTTTTCCA              AAATTGTTAATGTACTGAGAGAAGCTGCAGACATTTGCTATTATGGAATTAAG              AGATCCCTTGCAATTCTTGCCCAAGCAAACCTGAAGGATCTATGTTTGAATGG              TGAAACTAAATCTGTCACTCCTGGAAGACATTAAAGATGATATTGACTTCTCTT              TCAAGCTGGCAAAGGAGGAGTCTGTGATTGTTCTACCAGGGTGGCTGTAGG              ACTAAAGAATTGGCTCCGCATAACATTGCCATTGAGCCATCATCTCTGAAG              AAGGCCTGGGGAGAATAAAAGCTTTCTACCAAAGGCATGCTAAGAAGCAATA              A           </p>
CL11783.Contig2_All	<i>CsAAAT2-4</i>	<p>             ATGGAGAACGGATCATCGACGGCGGTGAGATGGGGTTTCCAAGGGAACAAA              GGGCTGAGCACGGCGTCGGCGATCACCATTAGAGGAATTCTGAACGAGGTTA              CGGAAAACATCGACAAAGCAGACCCTAGGCCCATCATTCTCTCGGCCACGG              CGACCCCTCTGCTTTTCCCTGCTTTTCGGACCACTCCTTTCGCCGAGGACGCCA           </p>

CL11783.Contig5\_All      *CsAAAT2-5*CL11783.Contig8 All *CsAAAT2-6*

CL11783.Contig6\_All

*CsAAAT2-7*

AACATCGACAAAGCAGACCCTAGGCCCATCATTCTCTCGGCCACGGCGACC  
CCTCTGCTTTTCCCTGCTTTCGGACCACTCCTTTCGCCGAGGACGCCATCGCC  
GACGCCGTCCGATCCGCCAAATTCAACGGTTATTCTCTACCGTCGGTATTCTT  
CCGGCTCGAAGGGCCATAGCAGAGTACCTCTCAAAGATCTTCCATACAAGTT  
GTCACCAGACGATGTTTATTGACAATTGGATGTACACAAGCAATTGAAGTTAT  
GTTAACAGTTCTTGCTCGTCCAAATGCAAACATTCTGCTCCCAAGACCAGGCT  
TCCCACTCTATGAAGCCCGTGTGCAATTTAGCCATCTTGAAGTCGCCACTATG  
ATCTTCTTCCAGAGAAAGGTTGGGAGGTAGATCTTGATGCAGTTGAAGCTCTA  
GCAGATGAAAATACTGTCGCTATGGCTATTATTAATCCTGGCAATCCTTGTGGG  
AATGTCTTTACATACCAACATTTAAAGCAGGTTGCTAAGACTGCAAGAAAGCT  
TGGAATATTAGTGATTGCTGATGAAGTTTATGATCATCTTACTTTGGGAGTAA  
CCCATTTCGTGCCCATGGGAGTCTTTGGATCAATTGCACCTGTTATTACAGTTGG  
GTCTATATCCAAGAGGTGGATTGTTCCAGGTTGGCGACTTGGTTGGCTTGTCA  
CAAATGATCCCAATGGCATCCTTGCAAAATATGGGATAGTTGACTGCATTAAGG  
GCTTTCTAAATATTTCCGCTGACCCGGCAACTTTCATTACAGTTTGTGTTCAA  
AATGCTTTTCTGA  
ACAAACCTTCTCTCTCTCTCTTTCTCTTTCTCTTTCTCTCTCTCATACAC  
ACACACACACGCGCACACACAGAGAGAGAGAGAGAGAAGATGGAGAAC  
GGATCATCGACGGCGGTGAGATGGGGTTTCCAAGGGAACAAAGGGCTGAGC  
ACGGCGTCGGCGATCACCATTAGAGGAATTCTGAACGAGGTTACGGAAAACA  
TCGACAAAGCAGACCCTAGGCCCATCATTCTCTCGGCCACGGCGACCCCTCT  
GCTTTTCCCTGCTTTCGGACCACTCCTTTCGCCGAGGACGCCATCGCCGACGC  
CGTCCGATCCGCCAAATTCAACGGTTATTCTCTACCGTCGGTATTCTTCCGGC  
TCGAAGGGCCATAGCAGAGTACCTCTCAAAGATCTTCCATACAAGTTGTCAC  
CAGACGATGTTTATTGACAATTGGATGTACACAAGCAATTGAAGTTATGTTAA  
CAGTTCTTGCTCGTCCAAATGCAAACATTCTGCTCCCAAGACCAGGCTTCCCA  
CTCTATGAAGCCCGTGTGCAATTTAGCCATCTTGAAGTCGCCACTATGATCTT  
CTTCCAGAGAAAGGTTGGGAGGTAGATCTTGATGCAGTTGAAGCTCTAGCAG  
ATGAAAATACTGTCGCTATGGCTATTATTAATCCTGGCAATCCTTGTGGGAATG  
TCTTTACATACCAACATTTAAAGCAGGTTGCTAAGACTGCAAGAAAGCTTGGG  
ATATTAGTGATTGCTGATGAAGTTTATGATCATCTTACTTTTGGGAGTAACCCAT  
TCGTGCCCATGGGAGTCTTTGGATCAATTGCACCTGTTATTACAGTTGGGTCTA  
TATCCAAGAGGTGGATTGTTCCAGGTTGGCGACTTGGTTGGCTTGTCAAAAT  
GATCCCAATGGCATCCTTGCAAAATATGGGGTTCTCTCTCTCTATCTCCCTC  
TCTTCTCTCCCTCCCTCCCTTGCATGTTTCTCATGCCATAGTAGTGTCCCTC  
TATTTAGTCCAACAAGTATAGAACAATTAAGTCAATGTGA

The sequence highlighted in green represented the forward primer sequences(5'-3'); the sequence highlighted in yellow sequence represented reverse primer sequences(3'-5'). Underline indicated amplicon sequences(5'-3') of qRT-PCR assay.