**>lcl|KJ897115.1\_cds\_AIC54686.1\_1 [protein=KRT19] [partial=3'] [protein\_id=AIC54686.1] [location=66..>1266] [gbkey=CDS]**

ATGACTTCCTACAGCTATTGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCCTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGCCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAATGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTTGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCT

**>lcl|NM\_002276.5\_cds\_NP\_002267.2\_1 [gene=KRT19] [db\_xref=CCDS:CCDS11399.1] [protein=keratin, type I cytoskeletal 19] [protein\_id=NP\_002267.2] [location=62..1264] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCCTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGCCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAATGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|NG\_012285.1\_cds\_NP\_002267.2\_1 [gene=KRT19] [db\_xref=CCDS:CCDS11399.1,GeneID:3880] [protein=keratin, type I cytoskeletal 19] [protein\_id=NP\_002267.2] [location=join(5143..5562,8117..8199,8391..8547,8850..9011,9122..9247,9393..9647)] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCCTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGCCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAATGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|AF202321.1\_cds\_AAF27048.1\_1 [gene=KRT19] [protein=keratin 19] [protein\_id=AAF27048.1] [location=join(33..452,3003..3085,3277..3433,3736..3897,4008..4133,4279..4533)] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGCGGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|NC\_000017.11\_cds\_NP\_002267.2\_3131 [gene=KRT19] [db\_xref=CCDS:CCDS11399.1,Ensembl:ENSP00000355124.3,GeneID:3880] [protein=keratin, type I cytoskeletal 19] [protein\_id=NP\_002267.2] [location=complement(join(41523743..41523997,41524143..41524268,41524379..41524540,41524843..41524999,41525191..41525273,41527828..41528247))] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCCTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGCCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAATGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|NC\_060941.1\_cds\_NP\_002267.2\_3075 [gene=KRT19] [db\_xref=GeneID:3880] [protein=keratin, type I cytoskeletal 19] [exception=annotated by transcript or proteomic data] [protein\_id=NP\_002267.2] [location=complement(join(42379287..42379541,42379687..42379812,42379923..42380084,42380387..42380543,42380735..42380817,42383389..42383808))] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|DQ895373.2\_cds\_ABM86299.1\_1 [gene=KRT19] [db\_xref=GeneID:3880] [protein=keratin 19] [partial=3'] [protein\_id=ABM86299.1] [location=23..>1222] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCTTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTC

**>lcl|AB527586.1\_cds\_BAI45750.1\_1 [gene=KRT19] [protein=keratin 19] [partial=3'] [protein\_id=BAI45750.1] [location=10..>1209] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCCTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGCCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAATGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTC

**>lcl|CH471152.1\_cds\_EAW60743.1\_1699 [gene=KRT19] [locus\_tag=hCG\_2043341] [db\_xref=GeneID:3880] [protein=keratin 19] [protein\_id=EAW60743.1] [location=complement(join(3204410..3204664,3204810..3204935,3205046..3205207,3205510..3205666,3205858..3205940,3208497..3208916))] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCCTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGCCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAATGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|CH471152.1\_cds\_EAW60743.1\_233 [gene=KRT19] [locus\_tag=hCG\_2043341] [db\_xref=GeneID:3880] [protein=keratin 19] [protein\_id=EAW60743.1] [location=complement(join(3204410..3204664,3204810..3204935,3205046..3205207,3205510..3205666,3205858..3205940,3208497..3208916))] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCCTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGCCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAATGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|BC084574.1\_cds\_AAH84574.2\_1 [gene=KRT19] [db\_xref=GeneID:3880] [protein=keratin 19] [protein\_id=AAH84574.2] [location=45..1247] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|BC067744.1\_cds\_AAH67744.2\_1 [gene=KRT19] [db\_xref=GeneID:3880] [protein=keratin 19] [protein\_id=AAH67744.2] [location=62..1264] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|BC010409.2\_cds\_AAH10409.3\_1 [gene=KRT19] [db\_xref=GeneID:3880] [protein=keratin 19] [protein\_id=AAH10409.3] [location=54..1256] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCCTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGCCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAATGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTTGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|BC002539.2\_cds\_AAH02539.3\_1 [gene=KRT19] [db\_xref=GeneID:3880] [protein=keratin 19] [protein\_id=AAH02539.3] [location=47..1249] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCTTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|BC007628.1\_cds\_AAH07628.1\_1 [gene=KRT19] [db\_xref=GeneID:3880] [protein=keratin 19] [protein\_id=AAH07628.1] [location=47..1249] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCTTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|DQ892179.2\_cds\_ABM83105.1\_1 [gene=KRT19] [db\_xref=GeneID:3880] [protein=keratin 19] [protein\_id=ABM83105.1] [location=23..1225] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCTTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTAG

**>lcl|AK313261.1\_cds\_BAG36071.1\_1 [protein\_id=BAG36071.1] [location=62..1264] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|AY891355.1\_cds\_AAX43282.1\_1 [gene=KRT19] [protein=keratin 19] [protein\_id=AAX43282.1] [location=1..>1203] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTAGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTTG

**>lcl|AY893850.1\_cds\_AAX36887.1\_1 [gene=KRT19] [protein=keratin 19] [protein\_id=AAX36887.1] [location=1..>1203] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTAGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTTG

**>lcl|AY892459.1\_cds\_AAX29376.1\_1 [gene=KRT19] [protein=keratin 19] [protein\_id=AAX29376.1] [location=1..>1203] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCTTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTTG

**>lcl|AY889977.1\_cds\_AAX32768.1\_1 [gene=KRT19] [protein=keratin 19] [protein\_id=AAX32768.1] [location=1..1203] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCTTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTGA

**>lcl|AY888694.1\_cds\_AAX41636.1\_1 [gene=KRT19] [protein=keratin 19] [protein\_id=AAX41636.1] [location=1..1203] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTAGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTAG

**>lcl|AY893399.1\_cds\_AAX36436.1\_1 [gene=KRT19] [protein=keratin 19] [protein\_id=AAX36436.1] [location=1..1203] [gbkey=CDS]**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGGCGGCTCCGTGC

GTTTTGGGCCGGGGGTCGCTTTTCGCGCGCCCAGCATTCACGGGGGCTCCGGCGGCCGCGGCGTATCCGTGTCCTCCGCCCGCTTTGTGTCCTCGTCCTCCTCGGGGGGCTACGGCGGCGGCTACGGCGGCGTCCTGACCGCGTCCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCCTGGCCTCCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGGCCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCCTGCAGATCGACAACGCCCGTCTGGCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATATGAGGTCATGGCCGAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGGGAGGTCGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGGCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAGACACACTGGCAGAAACGGAGGCGCGCTTTGGAGCCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGGTCCTCTAG