**>IuAP1**

(5')ATGGGGAGAGGGAGAGTGCAGTTGAAGAGGATAGAGAACAAGATCAATAGGCAAGTTACTTTCTCAAAGAGGAGAGGAGGGCTTCTGAAGAAAGCCCATGAGATCTCCGTACTGTGTGATGCTGAAGTTGCTTTGATCATCTTCTCCCACAAAGGAAAGCTCTTTGAGTACTCTACCGATTCTTGCATGGAAAAGATCCTTGAGCGATACGAGAGGTATTGTTACGCAGAGAGGCGATTGATCAATGATCCAGTTACTATGGGAGACTGGTCCCTGGAATGCAGCAAGCTTAAGGCTAGGATTGAGCTTCTTCAAAGAAACCATAGGCACTACATGGGAGAAGAATTGGATGCCATGAGTATGAGAGAGCTCCAAAACTTGGAGCAGCAACTTGATATTGCACTAAAGCATGTTAGGTCAAGAAAGAATCAACTAATGTTTGAGTCCATTTCTGAGCTGCAAAGAAAGGAGAAAGCCATTTCAGAGCAAAACAGCACCCTAATAAAACAGATCAAGGAGATAGAGAAGACAATGACACAGCAGCAACAGTGGGAGCAGCAAAACCATGATCCAAATGCACCATCCTATCTTATCGGTCAAGACCAACTCCCTTGCCTTAACATTGGAGGAGCTTACCAAGGAGAAGCAGCAATGGAGAGGAGAAACGATCTTGACCTAACGCTTGAACCCGTGGTGTATCCATGTAATCTGAGATGCTTTGCTGCATGA(3')

**>IuAP2**

(5')ATGTGGGATCTCAATGACAACCCCGATCAATCAGACGGCCAAGATTACTCAAAGGGTAAACGAATCGGATCTCTTTCTAACTCCAGCTCGTCGGCATCGGATGCCGCCGCCAGGATATTCGGTTTTCCGATGAACCGACCGGACCCGCCGATGACAAGACAGTTTTTTCCACCGGAGGAGGAGAATATTAATTTTCCTCGGGCGGCGCACTGGGTCGGAGTTAAATTCTACCAATCAGAACTTCCCGTCGGCGGCAAGGGGGTTGAGTCGATTGTTCAGCCTCTAAAGAAGAGTCGCCGGGGACCTAGGTCCCGGAGCTCACAATACAGAGGTGTTACCTTTTACCGGCGAACTGGCCGGTGGGAATCTCATATATGGGATTGTGGGAAACAAGTGTATCTGGGTGGATTTGACACTGCACATGCTGCTGCTAGGGCTTATGATAGAGCTGCCATTAAGTTTCGTGGTGTGGAAGCAGACATAAACTTCACTTTGGAAGAATACCAAGATGACATGAAACAGATGGGTAACTTGACTAAGGAAGAATTTGTGCATGTTCTGAGAAGACAGAGCACTGGTTTTCCAAGAGGAAGCTCCAAATTTAGGGGGGTTACCCTTCACAAATGTGGCAGATGGGAAGCCAGAATGGGTCAATTCTTGGGCAAAAAGTAAATCTATTTTTCACTTTCTTTTTCTATCTCTCTGTATTGA(3')

**>IuDEF**

(5')ATGGCCAGAGGAAAGATCCAGATCAAGAGAATCGACAACGATACTAACAGGCAGGTAACCTACTCTAAGCGCCGTAACGGACTCTTCAAGAAAGCCGGCGAACTTACTGTGCTATGCGATGCTAAGGTCTCCATCATCATGCTCTCAAGCACCGGCAAACTCCATGAATACATCAGCTCCTCCATTTCGACGAAACAGCTGTTTGATCACTACCAGAACACACTGGCGGTTGATCTTTGGAGTTCAAAGTATCAGAGAATGCAAGAGCATTTGAAGAAACTAAAAGAAGTGAATAGACTTCTTCGAATGGAGATTAGCCAGAGGATGGGTGAGAATCTGAGTCACCTTTGCTATGAAGAAGTGACGAAACTCGAACAAGATGTGGACAGTTCCTTGCAGCAAATCCGAGACCGTAAGTTTAAGGTGCTTGGAAACCAGATTGAGATTCACAAGAAGAAGGTGAGTTGA (3')

**>IuGLO**

(5')ATGGGGAGAGGAAAGATTGAAATAAAGAGGATAGAGAATTCAAGCAACAGACAAGTCACATATTCAAAGAGGAGAAATGGTCTAATCAAGAAAGCTAAAGAAATCACCGTTCTTTGTGATGCTAAGGTTTCTCTTGTCATCATCGGAAGCTCCGGCAAGATTCACGAGTATTGCAGCCCATCTACAACTTTACCAGATATCCTTGAAAGATATCACAAGCAGTCTGGAAAGAAGCTATGGGATGCCAAGCATGAGAACCTGAGCAATGAGATTGATAGAATCAAGAAAGAGAATGACAATATGCAGATTGAGCTAAGGCATCTAAAAGGAGAAGACATTACATCTTTGCACTACAAAGAGCTCATGGCCTTGGAAGATGCACTTGAAAATGGCCTAATTGGAGCTCGCGAAAAACAGATGGAGATCTACAAGATGATGAAGAAAAATGATAGGATTTTGGAGGAGGAGCACAAGGAGCTAAATTTTGTGCTGCAACAAAGAGAGATGGCTATGGAACGTAGAGAAATGGAACATAACGGCTACCACCAGCAAATGCAAGATTTTGAGCCTCAGATGCCTTTCACCTTCCGAATCCAGCCAATGCATCCAAATCTGCAAGAGAGAATGTAA(3')

**>IuAG**

(5')ATGGCTTTGCCAAGTGAATCTATGGCGCTTCTTGATTTATCTGGACAGAGAAAGAACGGGAGAGGAAAGATAGAGATAAAGAGGATTGAAAACACCACCAATCGACAAGTTACCTTCTGCAAACGTAGGAATGGATTGTTGAAGAAAGCCTATGAATTATCTGTTCTTTGTGATGCTGAGGTGGCACTTGTTGTCTTCTCCAGCCGCGGTCGTCTCTACGAGTATGCTAATAACAGTGTTAGGGGCACAATTGAGAGGTACAAAAAAGCATCCTCTGATTCTCCAAATACTGCTGGCTCTGTAGCTGAAGCCAATGCTCAGTTTTACCAACAAGAATCCTCCAAATTGCGACAACAAATCGGCAATTTGCAGAATTCAAACAGGCAAATTCTCGGCGAATCTTTGGGTTCTATGAGTCTTAGGGATCTTAAGAGTCTTGAAAGTCGTTTAGAGAGAAGCATTAGCAAGATTCGTTCTAAAAAGAATGAGTTGTTGTTCGCTGAGATCGACTTCATGCAAAAGCGGGAAGTTGACTTACATAACAATAATCAATTCCTAAGAGCTAAGATTTCCGAGAGTGAGAGAGCCCAACAACAACAACAACCTCAGATGAGTTTAATGCCAGGAGGATCTAACTACGACCAGCTGGTTCAACCTCAGCCGTCATCTTTCGACAATAGAAACTTCTTTCAGGTTACCGCGTTGCAACCTGATAATCAGTATTCTCGTGATGATCAGACTCCGCTTCAGCTTGTTTAA (3')

**>IuAGL11**

(5')ATGGGTCGTGGAAAGATAGAGATAAAGAGGATTGAAAACAACACAAACAGACAAGTAACGTTCTGCAAACGTAGGAATGGACTACTAAAGAAGGCTTATGAATTGTCTGTTTTGTGTGAAGCTGAGGTTGCACTTATTGTCTTCTCTAGTCGTGGCCGTCTCTACGAGTATGCCAATAACAACATAAGATCGACTATAGAGAGGTACAAGAAGTCTTGCTCAGAAACAACTAATCCAATCCCCACTCCTGAGATCAATGCCCAATTCTATCAACAAGAGTCAAAGAAGCTTCGCCAACAAATTCAAGGGCTTCAGAACACCAACAGGAATCTAGGTGGAGAAGGATTGGGATGCTTGAACTTAAAGGATTTGAAACAGCTTGAAAATAGGCTTGAGAAAGGCATCTCAAGAATCAGATCCAAAAAGCATGAGCTAATACTAGCAGAAACTGAATGCTTGCAGAAAAGGGAGATAGAGCTGGAACATGAAAATGCATGCCTTAGAGCCAAGATTGCCGAAAGTGAGAGGATTCAGCAGCAGCTAGGCATGTTGCAGGGACAAGAATACATGATGAACAATGCTGCGATGCATTTGCACGCATATTTCTCTCGCAATGTTCTTCTCATGAACAACAATATCATTAATAATAACTTAAACAATGATCAAGAGGAGGCTGCTGGTCAAGATGATGAAGGTGGTGCTTCCCTACCATATCGACCCCTCCTAATCCCCGACAACAAGTCTCTTCTTCATCTTGGATAG(3')

**>IuSEP1**

(5')ATGGGAAGGGGAAGATTGGAGCTGAAGAGGATAGAGAACAAAATAAATAGGCAAGTTACGTTTGCAAAAAGGAGGAATGGGGTGCTCAAGAAAGCCTATGAGCTCTCTGTTCTTTGTGATGCCGAGGTTGCTCTCATCATCTTCTCCAACAGAGGGAGGCTCTATGAGTTCTCCAGTTCATCCAACATGCTCAAAACTCTTGAAAGATACGAAAAATGCAGTTATGTGACACCTGAAGTTAACCAAGCAGCCAAAGAAATTGAGCAAAGTAGCTATAGAGAATACCTGAAACTGAAAGCAAAATATGATGCACTACAACTTCATCAGAGGAATCTTCTTGGCGAAGACCTGGGCCCACTGAATGTTAAGGATCTTGAACATATTGAGCTTCAACTTGATTCATCTCTCAGGCATGTTCGATCAACCAAGACCCAACTGATGCTTGATCAGTTTTCTGATCTTCAAACAAAGGAGAAAGCATTGGTTGAAGCTAACAGGGCTTTGGAAAGAAAACTAGACGAAATGTACGGACAGATGCAACTTCAGCCGCCACCATGGCCAGGCAGCAGCGATCAAGGCAGTAGTTCATTATATGCTCAGCCAGTACACCATCCTCCTCCTCAATCTCAAGGGTTTTTCCAGCATCTTGATTGCAACTTCAATTTACAAATCGGGTATGATCCAACAGGAGGAGGAGGAAGCAGGATAGCTGCTGCTGCAACTCAAGAACAAAATGTGAATGGTTTGATGCCAGGTTGGATGCTCTGA(3')

**>IuSPE3**

(5')ATGGGCAGGGGTAGGGTTGAGCTAAAGAGGATAGAAAACAAGATCAACAGACAGGTAACCTTTGCGAAACGAAGAAACGGTCTGTTGAAGAAAGCTTACGAACTTTCTGTTCTCTGCGATGCCGAGGTAGCTCTCATCATCTTCTCCAACCGAGGAAAACTCTATGAGTTTTGCAGTAGTCCCAGCATGCTGAAAACACTCGAGAGATACCAAAAATGTAACTACGGCGCACCTGAACCAAATGTTTCGGCAAGGGGATCTTTGGAACTAAGTAGTCAACAAGAATATTTGAAACTCAAACAACGCTATGAAGCCTTACAAAGAACCCAAAGGAATCTTTTGGGAGAGGATCTCGGTCCTTTAGACGGCAAGGAACTCGATGCAATTGAGAGACAACTCGACATGTCATTGAAGCATATCAGATCAACACGTACGCAATATATGGTTGATCAACTCGCGGACTTGCAAAGAAAGGAGCATCTTCTCAACGAAGCAAACAGGGCCTTGAAACAAAGGCTGTTGGAAAGTTCATTCAATTGGATGCAAAATGGGCCAGATTTGGATTATAGTGGACAACCTGTTCAGCCCAATGGAGATGCTTTCTTTCATCCATTGGACTGTGAGCCCACCTTACAAATGGCAATGGGGTATCAAACACATGATCATGATCCATCAACAGTGGAAGTTGCTGGTCCAAGTATGAACAACTACTTTCCAGGATGGCTGCCATAA(3')