pri sec	TAAGTGGGAgTCTTCAGGGGGCAGAATTATATCTCTGCAGCTGATGTAAGACTTCGTTTAGTGACCTGGTGGTTGCTGCTTCTTGGCATGGCCCTGAGGCTGGTTGACAACAAAGATGA TAAGTGGGAGTCTTTCAGGGGGGCAGAATTATATCTCTGCAGCTGATGTAAGACTTCGTTTAGTGACCTGGTGGTTGCTGCTTCTTGGCATGGCCCTGAGGCTGGTTGACAACAAAGATGA TAAGTGGGACTCTTTCAGGGGGGCAGAATTATATCTCTGCAGCTGATGTAAGACTTCGTTTAGTGACCTGGTGGTTGCTTCTTGGCATGGCCCTGAGGCTGGTTGACAACAAAGATGA	120 120 0
pri sec	AAATGCCCAGACCAGTGATCACTTGGCACAACCCCAGGGCTCAGTACGCAGGAGGCGTAGGTAAGAGCCCCTGTGTCTTTGCTGCTGTCCTTACTCTGTTTTTTCTGCTTTTCCA AAATGCCCAGACCAGTGATCACTTGGCACAACCCCAGGGCTCAGTACGCAGGAGGCGTAGGTAAGAGCCCCTGTGTCTTTGCTGCTGTCCTTACTCTGTTTTTTCTGCTTTTCCA AAATGCCCAGACCAGTGATCACTTGGCACAACCCCAGGGCTCAGTACGCAGGAGGCGTAGGTAAGAGCCCCTGTGTCTTTGCTGCTGTCCTTACTCTGTTTTTTCTGCTTTTCCA	240 240 0
pri sec	GGGCTTCACTTACGTTCTGCATGAAGGCGAGTGCTGTGGAAGGTGCCTGCC	360 360 111
pri sec	AGGCCCCGGGACGGGGAGGGGGGGGGCAGATTGGGGCCACTCCAGGGACCAGCGTTGACCTTGGTATCATCTCAGTGCCTAGCCGTGCCTATATCAGGCATAGGTAAT AGGCCCCCGGGACGGGGAGGGGGGGGGG	

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 \overline{X} non conserved $\overline{X} \geq 50\%$ conserved