

Table S2 Native genome sequences of the four CRISPR-Cas π cassettes.

Name	Description	Sequence (5'-3')
CRISPR-Cas π -1 cassette	DNA nucleotides sequence of CRISPR-Cas π -1 cassette from <i>Casπ</i> gene to the last repeat.	ATGGCGAAGGCAACCAAAGAAGTCAAGTCGAAGCG CGTGGAAGCGTTGCGGCAGGTGGCGTATCAACGGCT GGAACGCCTCGAGCGGAAGGCTCAGAAGATCGGAG CGCATCTGCGCAAGCCGGGAAAAGCCGCTGACCTCC AATCACTCCATTATCTTCTTACAAGGTCTGAAGTCGA ATATCACGATATCGCAAGGAACCTGGAGAAGGACCC GACTTGGACACCAAACCGAAAATGCGACGAGAGA AGCGTGCCATCGTGCCGGAGTCCGGCCCCGGCTGCGC CCCTCCCGACCACGGCAAAGGGTGAGCCGGGTAGAC CGGCAAACCGTCATATTCCGCCACCAGTGCCGCTCG ATTCAGCAAGGATCCCCGAAGACCAACAGTCGATGG GCCAAGGAAGCGGGGGGAGGAGTTGGTGTCTGCGC CTTTCGTTGAGGTGAAGTTACCGCCGACTCAATGGTC GAATGTCCGGGAGAAGCTTCTGAAATTCCGAATTGA GGACGACGCCGACATCGTCAGGCGGTGGGCCGAGGC CAAGTTCGGAAGCATCGAGACGGCGCGCGATGGATT ACGTGCGAGCGCAGAGATCGGAACGAGCCCGGATGT CTGGCGTTCCTTCATCAGCCGCGCGATCTCGAACGGC AAGAAGGACTTTGAGCCACTTCTCTCGTTGGACGAT GACGAATTGACCGCGGATGCAACAGCCGAGCGCGTT GTGCGTCCGTGGCATCAGATTGACTGGGTGGGCCGA ATGCTCGACTCCATCCTGGAAACCGTCCCGTCGGGG GTCTCGAAAGACACGTTTCGAAGCAGGGTCGAATCG CGTCTCAAGACGTTTCACTCGTCTGTGAACAGCTTCG AGCTCAAGAAGAGGAAGGACGGTACGGTTCGAGCGC AAGCGGAAGCACACCAACCCGCAGTTTCCGTAATTG TCACCGAGCGCAGTGAGCATCGATCCTGATGTTGTG ACTATGGAGGCGGTGCAACTGCTCCAGATGCAGCCC GAGGAACGCTTTGCAAAGGACCCGAACGATGCGAAT GGCAGAATGAGGCTGAGGGTTTTGCAGGCGGAACTC GGCAAAGCACGACGCGAGGCTCTGGGTCCGGCGGGGC GAGAAGGCCCCGCCGTGGAGTGGCCGCAAGGTCTTT CGCGGAACCACGACCAGGAAGAGGGGAAGCGTGCCT GGTTTGGGACAAAGAGGCACAAGCGGATGGACTTTA CTTCGCGCTCGTGATGTCCGGGCGGACCAAGATCGA CGACAAACGTTTTGTCTACATGGACGGTCAGCCGCT ACAAAGCGATTGGCAACTGCACAACGGAGTGGCCGG TAAGGCAAAGTCATGCAGGGCGATGCCTCTCATTTT GAAGCATGACTTCTGCGGTGGTACCACCGCCACAT TAAGAACCACGACGTCATGCTCCCCTCGAAAAGCG GTGCGTTCACACGACGACCCAGTTCGTTTTCTGTTGAG

		CCGGACGAAAAGAAGGGCCTTCAGCCCCGGCTGTT ATCAGACCCGTATTCAAGTTCTACGATCCGGTCTATG AAGTGCCGGATAGCCACTCGATTGACAAGAAGCCGG ACTGCCGATATTTGATCGGAATTGACCGAGGCGTTA ACTACCCCTATCGTGCCGCAGTATACGATTGCGAGA CAAACCTCCATAATCGCCGACAAGTTCGTGGACGGAC GAAAGGCAGATTGGGAGCGGATACGAAATGAACTC GCATACCACCAGCGGCGACGTGACCTCTGCGCAAC TCGCGTGCCTCTTCCGCCCAATACAGCGAGAGATTC GAGCCATTGCACGGATTTCGCAAGAGGGAGCGTGGGC TGAACAAAGTCGAGACGGTCGAGAGCATCGCGCGGC TCGTGCGACTGGGCGGAAGAGAATCTCGGGAAGTGCA ATTACTGCTTCGTTCTCGAAGACCTTTCTTCAAACCT GAATCTGGGGCGAAACAACAGGGTCAAGCACATTGC CGCGATCAAGGAGGCGCTGATCAACCAGATGCGCAA GCGCGGATATCGTTTCAAAAAGAGCGGGAAAGTTGA CGGCGTGCGAGAGGAGTCCGCGTGGTACACGAGTGC CGTTGCGCCATCCGGTTGGTGGGCGAAGAAGGAAGA AGTGGACGGGGCCTGGAAAGCGGACAAGACGCGGC CATTGGCGAGAAAGATCGGCAGTTACTATTGCTGCG AAGAAATCGACGGACTCCATTTGCGCGGCGTGCTGA AGGGGCTCGGAAGGGCGAAGCGACTCGTTCTTCAA GCGACGACCCATCCGCGCCGACTCGCAGACGAGGGT TTGGATCAGAGTTGTTCTGGGACCCCTATTGCACCGA ACTCTGCGGCCACGCTTTCCCGCAAGGCGTCGTA GACGCAGACTTCATCGGCGCCTTCAATATTGCGTGC GACCGCTGGTGAGGGAGGAACTTGGGAAGAAGGCG AAGGCCGTGGACCTGGCCGACAGGCACCAGACGCTC AATCCGACGGTTGCCCTCCGATGCGGCGTAACGGCG TACGAGTTCGTCGAAGTCGGGGGCGATCCCCGGGGC GGTCTCCGAAAATCTTGCTCAATCCCGCAGAGGCC GTGATATAATTTGAATGTGCTCTGCCGAAGACGCCG CACGGAGCCTGGGCCGGAATCGTAGATCGAACGCGG CATCGAAGCCCTGCAGCCCTTCGGGGCCAAGGCGGC GCAGCAAGCCTCTTTCAGGCGGCAGAGTCCTTTAGA GTGTAACGAGGGCCCCCAGGAACGGGGGCCAGCCA TCTCCAGGGAAGGGACAGAGGAGGTGGATAGTGAA GTACGAATACGTCGAGACATTCGGGTTCGGCGTTCA AAAGCACTCCGAGCGACTTGTCGTGTCGGAGCCTTC CGGCGAAGGAGGGCAGAGAACAAGAGGCAGGTGC CCGCTCTACACCTGGACCACCTGCTGATCGGCTCACG CGGCGTCAGCATTTCGTGCGACGCTCTCGAACTCTGC TGCGAACGAGGCATTCCCGTCACAATCGTGGATCGC CGCGGCAAGCCGGTGGGGAAGTTCACCGCCCCGGCA
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		ATTCACGGCACCAGCCGGACGCGCCGAGCGCAGATC AGAGCGTACGAGAACGGCCTCGGGTTACTTTTCGCT CGCTCGGTTCGTCATTGGAAAGGCGGCGAATCAGGCA ATAAACCTGAAATACTTCGCAAAGAATCGACGAGAG CGAAGCCCGGATCAGTACGAGACGCTCAGAAAATCC GCAGAGGCGATCGACCGCGTTGCTCGTAGAGCGAAG AAGATCTCGGC GAACTGCATTGATGAAGTTCGACAA CCGCTCATGGTCCTTGAGGCCGAGGCTTCGCGCATCT ACTGGAGTTCGTTGTCAGCTCTTTACGGCAGCAGCTC TGGCTTTGTGCACCGCGAGCAAAGGGGTACCAAGAA TCCAGTCAATGCTGCGCTGAACTACGCCTACGGTGTA CTGACAGGCGAAGTTTGGACAGCGTGCCTCCTGGCT GGGCTTGAACCGTACGCAGGATTCCTACACGCGGAC CGACCAGGGAGGCTCAGTTTCGTGTTGGACCTTATCG AGGAGTTTCGGCCAGTGGTCGCGGATAGGGTCGTAT TCGCACTCGCGGCGAAGGGGTGGAGGATTGAACAAG AGGAGAATGGATGGCTCTCGCTCGCGTCGAAAAACA AGCTCCTCGCGAGTTTGGCCGAGAGGTTGGATTCTCC CGAGCCTGACCGCGGGAGGAGGCGCAAACCTGCGCA ACGTAATTCAGCGGCAGGCATACGCAGCGGCACAGC ATTTCTTAGGAAATGAAACCTACGTGCCATATAAGC AGAGGTGGTAGCAGAATGACCTGGCTCGTTGTGTAT GACATTGAGGATGACAGAGTTCGAACGAAGGTCGCA GACTATTGCCTGGACAAGGGTCTGGAGCGGATCCAA TACAGTTGCTTTCTTGCGGAGATGTCGCGAACATTGG CTCGCGAGCTGGCATCAAAGTGCAAGCGGAAGCTCG GGGACAAGCCCGGAAGATTCGGCTTGTTCCCGTTT GTGAAAAGGACCTTGCAAGCCAGGTTCGAATCGAGA ATGTGCCTTGATCATGGAAGTCTCGCCGAGTGATGG ATTCGTCTCCGTATCCGAGGTCAGACAGTGGTCATAT TGTCCGCGTGTGCTCTGGCACAACCGCTGGCTAGGG GAACGCAGACCCAGACGTCTCGAATGGAAGAAGG GAGGGCCGACCAGGCGGAACGGGAGCGGAAGGAGA AGAGGCGCACGTTTCGCCGAATACCGGTTGCCTGCCC AATCGCGAAGATTCAACGTGTACTTGAGGTCGGAGC GGCTCGGTGTTTCTGGTGTGCTGGACGCCGTGCTGGA ACTTACGAATCGCTCCATCGACGAAGTGGACTCCCA AGGGCTCGATCCGGAACGCCCTTATTTTCGCGCCAGTT GAGTATAAGAGCACGCAAGAGAGGGTTCGGCCGCCAT CATCTTCTGCAGCTCGCAGGGTATGCGGGCGCTGCTCT CCGATATTACGGGAACGAGCGTACCGTTCGGATACT TCGTTTCGCTTCCAACGGGCGAGCAAGCAGGGTCG AACTGAGCGAGAAGGCGAGGGAAGAGTTCCTTTTCGT GCGTGCAAGGGATACGTAACATGGTAGTCGAGTGCC
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		<p>GAATGCCGGAGCCCACGCCTTCGCGGGCGAAGTGCC GAGACTGTGAGTTCCGCCGCTTCTGCAATGACGTGTG GTGAGCCCGCAACCCTGTCAACCGACGGATCCCGG CCCAATGTGCGAAAGTAGCGCGGGCGCCGTTGCTCG ATCCTCCATGCCGGGAGTGCGAAGAGGTGCCTCCAT TTTGGGGCAGTAGGAGGCTTATCGGCCTCCTCCGCCG TCCGCAGCAGGCCGGAGCCGCCGAAGTGTTCGCACA TTGGCGCAGATACACTGGCAGATATGGGGTTGCGAA TCTCGCGGACGAATCGGGTGTGTTGAACCAAAAATGC GGCGATAATGTACGGAAGCCCGAGTGCGGAGCCCCA GCCTTTGAGGCTGGCCCTACGGGCGCAGGACAAAA TGCACACTCTAAAGGAATGAAAGGGTCACGGCCACG GTGAGCGCGACGGACGTGAGCTCGGGCAGGACAA AATGCACACTCTAAAGGAATGAAAGGAGGGCTGGA AACTCGAAATCCTCGACACGGGCGGGCGCAGGACAA AATGCACACTCTAAAGGAATGAAAGGAAAAGAATC GAGACGGCGCAAAGCCGAAAGAATACTGGCGCAGG ACAAAATGCACACTCTAAAGGAATGAAAGGGTCTG ATAGCCAAGTAGTGCTCGATTCCCACCCTGGCGCA GGACAAAATGCACACTCTAAAGGAATGAAAGATCAG CTCGAGGGCGTTCGCAAGCGCGACCGCTTCTCGGC GCAGGACAAAATGCACACTCTAAAGGAATGAAAGA CGGAGAGTGGATGCTCTTGGCACGAGAGCGCTGGCA GGCGCAGGACAAAATGCACACTCTAAAGGAATGAA AGACACGACGCGCGGGTGAGCCGCGAGGAGTTCCGG CTGCGGCGCAGGACAAAATGCACACTCTAAAGGAAT GAAAGAGGCAGATGCGCGGGCGGACCATGATCGCGA CACTCCTGGCGCAGGACAAAATGCACACTCTAAAGG AATGAAAGCTCGTGGAAGTTCCGGAAGCGCTCTTCA GTAGAGAGCGGCGCAGGACAAAATGCACACTCTAAA GGAATGAAAGACAACGCAGCGTCTCGCAACAGGCCG TATCTCGCAGTGGCGCAGGACAAAATGCACACTCTA AAGGAATGAAAGGAGCAGAACGCGGCGCAATACGG GAGGGGCGGACCGGCGCAGGACAAAATGCACACTCT AAAGGAATGAAAGGGATATGTTTCCGTGAACGCCGG TCGCTCGGACGCCGGGCGCAGGACAAAATGCACACT CTAAAGGAATGAAAGTCTTTTAGCGTCGAAAAACCC CGACATTTTTTCGCCAAAACCGGCGCAGGACAAAATG CACACTCTAAAGGAATGAAAGTGCATAACTCTACCT CGCTAATAGCGCGTGAACGGAAAGGCGCAGGACAA AATGCACACTCTAAAGGAATGAAAGGAAGTACAGG GCGTCATTCTGTGTCGAACGGATCCGGCAGGCGCAGG ACAAAATGCACACTCTAAAGGAATGAAAGACTCG GCGCGCACTTGAAGATGAAAGAGCCCCAGGCGCA</p>
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		GGACAAAATGCACACTCTAAAGGAATGAAAGCGAAT CGGCCACGTCCACGGCCCCTCAGACGGGTCGAGGCG CAGGACAAAATGCACACTCTAAAGGAATGAAAGAG CCGAGCGTCAGGGGTTTCATTCCGTCTCTCCTTCGC GGCGCAGGACAAAATGCACACTCTAAAGGAATGAA AGTTGCAAGTCTCATTTCGATTGCCTCCATGATTGCTT GAGGCGCAGGACAAAATGCACACTCTAAAGGAATG AAAGCGGCTACGCACGGATGGACTCCGCACGCGTAA TCTCTGGCGCAGGACAAAATGCACACTCTAAAGGAA TGAAAGTAGTCGAATGCGTTTTGATCGCGAATGCGC GTAACGGGCGCAGGACAAAATGCACACTCTAAAGGA ATGAAAGCCAGCCACTTCCATATCCGTTCGATCGCGC GCGAGCAGTGGCGCAGGACAAAATGCACACTCTAAA GGAATGAAAGGTAAAGGAGATCGTGGCAGCCGCGA CCGCGCTCTTGGGCGCAGGACAAAATGCACACTCTA AAGGAATGAAAGTGTGATTGCAGGTCCGAGTGCATC GCTCGCGCATCCTGGCGCAGGACAAAATGCACACTC TAAAGGAATGAAAGCGCGTCTCTTATAGGGATCAGT CGGAATCCTCATTAGGCGCAGGACAAAATGCACACT CTAAAGGAATGAAAGCAACTGGATGGTCAGAATGCG GTCGTA CTCTGTGGGGGCGCAGGACAAAATGCACAC TCTAAAGGAATGAAAGTGACGACGACGTTCCGGCTCG CGATTCTGAATCGCGGGGCGCAGGACAAAATGCACAC TCTAAAGGAATGAAAGTTACCAAAACCGAAACCATT ATTGGGAATGGGGAAAACGGCGCAGGACAAAATGC ACACTCTAAAGGAATGAAAGACCCGTCCGGTGAACTC GACGAACAAGTCTCGATGTCCGGCGCAGGACAAAAT GCACACTCTAAAGGAATGAAAGGAGAAGACCCCCGC GAGGCGAAGAACCTGGGCCATCTGGGCGCAGGACA AAATGCACACTCTAAAGGAATGAAAGGGATCCTCGA GCCTGAGCAGTAATGGACTGGTCCGAGGGGCGCAGG ACAAAATGCACACTCTAAAGGAATGAAAGGGTCCGC TGGGCGCTGTGCACTACGGTTCGCTGCCGGCGGCGC AGGACAAAATGCACACTCTAAAGGAATGAAAGACTC CAGGGCCTCCCTGTTGGTGAAGAACAGATAGGGCGC AGGACAAAATGCACACTCTAAAGGAATGAAAGTCTT ATCTGCCTCCGGCATTATTTCTTCTTGGGGCGGGCG CAGGACAAAATGCACACTCTAAAGGAATGAAAGTCC CTGAGCCCTTGCAAGTCCAGTGAGACGTTGTCGAGG CGCAGGACAAAATGCACACTCTAAAGGAATGAAAGT TGTAGACGACGTTCCGAGTAGACGCGCGAGCCCGCA GGCGCAGGACAAAATGCACACTCTAAAGGAATGAA AG
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<p>CRISPR-Casπ-2 cassette</p>	<p>DNA nucleotides sequence of CRISPR-Casπ-2 cassette from <i>Casπ</i> gene to the last repeat.</p>	<p>ATGGGTAAGAATCGATCCTCGTCCTCGGATTTGAGCC CGCTCGAACGGTCCTTGCGGAAGGTCCGGTGAGAATC GCCTTGAGCGGCTGCGGGTGCAGAGGAGAAGATTA GGAAGCACATAGAACAGCACCCCCGCGGTAAGAAC GATCATCAGGCTCTCCACTTCTTATTGCACCAAATCG AGGTCGAGCGTAACGACCTGTACCGAAACCTCAAAG ACCCCGAGTACGTGCCCAAACCAGCGAAACAGCGGC GCGAAAGACGGCAGATCAACGTCGCCAAACCCCCGA CTCGACCAAAGAAGGAAAAGGGGCTCAACCAGAG TCGACGAAGTACGTGATCCGTCCACCAGTCCCTGGG AAAAACCTTCTGCCTTTGCTAGCAAGTACGAGGCG CGAGACACGCGGGACGATTCTACCAGGACGGTCGC TCATGGACCTCCGCACCATATGTTGAAGTCGAACTTC CCATCCTTGGTGCAGACAAAGTCATCCAGAACTGA TGAAGTTCGTGCAGAAGGACGAGCGGTCGATCGTGC GCGACTGGGCGACAAAGACGTATAGCTCGATCGAAG CCGCAAGAGAAGCACTCCTTGTGCGGGCACAAGTCT CGGAAGACGTTTCGGTCTGGCGCGGACTCCTCGCAG AAACGAAGAACGCACAGAACTTCGCCGCCCTCTCCG ACGATCAGATCGAAGCAGCGATGTCGAAGGAGGCG AAGGGCGCGGACTTGCCTCCGAGGCGCGCCGCACTG CTGGTCGCACAGCGCCACTGGGTGGATCAGACCGTC AAAGCAATCAAGGAGTCCGCACCGTCCGGCGTGCAG AAGGACACTCTCGATCGCCGTCTGCGCGCAGGTCTG AGGGGGTTTCATACTGCGGCCAACTCAGGCAAGCAC ACGAACCCGCAGTTCCCATACCTCACCGCAGAGAAG CCGGTAGTCCCGATGGAGTCTGTTGTTTCAGAGCGTAT TGGCCTTTCTCGACGATCCAGACGATCAAAGGTACA CGAAGGACAAAGAAGACGACAAGAAGCGCCACCGC GTCACTGTCTTGCAGAAGGAGCTCGGAAAGGCGAGG CCACGAAAACGGTTAGAACTCCAAACGCCGAAATGG GCCGGCAGGCCACGGTAAAAGGAACCATCAGCAA ACGGCGCGACGCAGCGCTCGTCTGGGACACAAGCAA AGAAGCGAACGGGCTTTGTCTCGCGCTCCCAATCGG GGGCATGCCGAAGATAGACGTCGAGCAGTTCATCTA CCAGGATGGGACGTCGCTCCTGTCCGATTGCCAGAT CGCATCGAAAACGACCAAGAAGGGCGCGGCTTGCGC AGTCTTGCCGCTCAAGCCCAAGCATGACTTCTGCGC TGGTTCACCAAGCACGTCGAGAACCACAATCCCGAC GCTCCACTGGAACGCAGGTGCCTCCACAACACGACC CAGTTCGTATAGTCGACCCAGAAGGGCCGCGCCCA CGTCTTTCGTCCGGCCCGTCTTCAAGTTCTACGACC CCGGCAAGACGGTGCCGAACACGCATGAAACTTGGA AAAAGCCGACTGCCGCTACCTGGTTGGAATCGACC</p>
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		<p>GAGGCATCAATTACGTTCTGCGAGCCGTCGTCGTCG ATACTGAAGAGAAGAAGGTTATCGCCGATATCGGCT TGCCGGGCAGGAAGCACGAATGGAGGATGATCCGTC ACGAGATCGCCTACCACCAACAGATGCGTGATCTTG CCCGCAACACTGGCAAACACGCGAGCGTCGTGGCCA AGCACGTCCGCGCCCTCGCGCTCGCGCGCAAGAAGG ACCGCGCGCTCGGCAAGTTCGCAACAGTCGAAGCCG TCGCAGAACTTGTCAAGAAGTGTGAACAGGACTATG GTAGCGGCAACTACTGTTTCGTGCTCGAAGACCTCG ACATGGGGGCGATGAATCTCAAGCGAAACAACAGA GTCAAACACATGGCGGTCATGGAGGAGGCCCTCGTC AATCAAATGCGCAAGCAGGGCTATGCCTATGACGGG CGTCGCGGTCGGGTGGACGGCGTGAGGCACGAGGGC GCTTGGTACACGAGCCAGGTCTCGCCCTTTGGCTGGT GGCCAAGCGCGACGAAGTCGAGGAGGCGTGGAAG AGGGACAAGACTCGCCCCATCGGGCGCAAGGTCGGC AACTGGTACGAGATGCCCGAGCCAGGCCAAGACGGA GACCGGCCCGACACGTATCGGAAGGGCTACTGGTCG AAACCGAAGAACGCGGAGGGCAAGCCGTATGGGCG CAACCGCTTCAGCGTCGAGCCTGGCGACGAGAAGCC GGACGCTGAGCGGCGCTTCTGCTGGGGCAGCGAGCT GTTCTGGGATCCGAACGTGAAGTCCTTCAAGGGCAA GGAGTTTCCCGAGGGCGTCGTGCTGGACGCCGACTT CGTAGGAGCCCTCAACATCGCTCTCCGCCCGTTGGTC AACGACGGCCAGGGTAAAGGCTTCAAGGCCGAGGA CATGGCGAGGGAGCACACGATACTAAACCCGCGATT CAAGATCGCCTGCCAGATAACAGTTTACGAGTTCGTC GAAGAGGACGGCGACAAGTGGGCAGCTCTGCGCCG GATCATGCTATAGTTAGGCGTTCCGTCTCGACTATGC CGTACCACTAGACCGAGCCTACACGGCACGCGGTCA TAGCGTTAACCAAGGCGTGGTGACAAGCCTCTTTCA GGCGTCGGACACTTAAGAGCGTTAGGCGGGCGGTCC CTAAGCCGCCCGCCCCCTTATTTGCACGTTTTCCCCG AACCCCGTAACTCTGCCAGCCACAAACACCCAGAAG CGCGTCTACACTCCCTACGGGGGTAGACAGACATGC GCTATGAGATCGTAGACGGTTACGGGTGCCAAGTGC TCAAGCACAGCGAGCGCCTCGTTCTTCGATACCCCT CGCCCCTCCGGGGGAGAGGGGGCCAGGGGGTGAGG GGAAGCAACCAAGCGCGAGGTGCCCGTCTTGACC TTGACCACTTGCTCATCGGCACGAAGGGCGTGACGG TCTCGACCGACGCCCTCGCTCTGTGCTGTGAGCGCGG GATTCCCGTCACGGTCGTGGACTGGCGCGGGCGGCC GGTGGGTAGGTTTCGGAAGCCCTGCTCTCCACGGCAC AGCACAGGTGCGCCGCGCGCAGATCGCTGCTTTCGC</p>
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		CACCGAGATAGGAGCAACCTTCGCCCGAGAGGTCGT CAGCGGCAAGTTGCTCAACCAGGCCGACAACCTCCG ATACATCGGCAAGAACAGAAAGACACGGGCGCCCA ACGAGCACGAGGCCCTGACAAGGACAGCTGACACGC TCCAACGTCTGGCAAAGAAGGCAGCGACGGTCAAGG GCAAGAACGCGGACGACGTGCGGCTCCCGCTCATGA CGGTTCGAGGCCGAGGGCGCGCGCCTACTGGTCCG TTCTCAGCGAGGTTTACGGCGAGAGGTCGGGCTTCG CAAAGCGAGAGCAACGTGGCACACGCGACCCGGTCA ACGCCGCGCTCAACTACGCCTACGGAGTCTGAACG GCGAGGTCTGGAATGCCACGATCCTCGCTGGCCTCG AGCCGTACGCAGGGTTCCTGCATGTGGATCGGCCGG GACGCCTGAGCTTCGTGCTCGATCTGATGGAAGAGT TCCGCCCCGTGGTCGCGGACCGCGTCGTGTTCCGACT GGTGGCGAAGGGCTGGAAGATCGGCCAGGAGGAGA ACGGCTGGCTGGACATGCCGACAAAAGGAGACTGA TTCAGGCGATCGGCGAGAGGTGGGGAGCGCGCTCC TGCATCAAGCCCGGAAACTGCAATTGCGATCTGTCT CCAGCTTCAGGCACGCGACGCCGCAAGGCACTTCCA GGCAAGGCGGAGTACATCGCGTTCGCGCTGAGGTG GTAGGCCATGAAGTGGCTCGTGTGCTACGACATCGA GAAGGATAGTGTCCGAAACAAGGTGGCAGACTTCTG CCTGGACAAGGGGCTCGAGCGGGTTCAATACAGCGT CTTCCTTGGGTCGATGACAAGAACGCTCGCCAAAGA ACTTGCGCACAGATCAGACGGAAGATGGGCAAGA ACCCCGGCCAGGTGCGGTTTCGTGCCGATCTGCGACA AAGACTGGAAGACGTCGTTCCGCGTCCAGGTCGGCG ACCACATGGGAGAGAAGGCGAGCGATGGCAAGTAG CGCCACGCCTATCAGCCGAGAGACACGGTAAGCGT AAGCGAACTCCGCCAGTGGATGTACTGCCCGCGCGT TGTTTGGTACGGACGCTCGATGGGCGACTACCGTCCC ACGACAGGCGCTATGAAAGTCGGGATCGAGGCGGA GGCGGAGCGCCAAAGGCTGGAGGAGCGCCGGTTCGTT CGCGCAGTACGGGCTGGAGGCATGCAACAAGCGATT CCAAGTGCTGTAGCGTCGGAGGCGTTGGGGCTGTC GGGGCGCATTGACTGCCTGATCGAACTTACGCCCCGTT TCGCTGGAGGACGCTCAGGTCGGGGTGAGGCCGTTG AACTGGAAGGTGGGCGATCCGATGTTTCGTGCCAGTC GAGTACAAATGGACGTCCAGGGCTGACCAGAGGCAG AACACAATTCAGCTGGCCGCTTATGGGATGATTCTG GAAAGCTTGACGGGGACGCCCGTGCCGCTCGGCTTC ATCGCGCTCCTGCCTGAGGAAGAGGTTGTCCGTGTC GAACTCGTCCCTAGAGTTAGGCGCGCAGTCAAATGC ACCCTAGACGAGGCTCGCGAAGGCCTCTCCGCCCGG
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	<p>GAACTCCCCTGGCCAACGCTCCACCGCGGAAAGTGC CAAGACTGCGAGTTCCGACGGTTTTGCAATGACGTCT GGTAGATGGGGTTGAAACCCCTCGAACCGCTCGGA TTTCGGGGCGATGTGCGAATCCTAACGCCCCGACA CTCAAGATGATGGAGGCCTTCGACCCACAATCAAGC CCGACTCAGACAGCGAAGAGCCAATGGTGTGCGCAA ATTCGCTCTCACCGGTACATTCATTGCGACAACGGC GGACTTTGTAAGCTAAATAGCGGGTTTCGAAACGAC GCGGCCGAACCTGTTAGGGCAGGGTTGCAGCAAATG GACGGCGTGCTTGAGTCCGGCCATGCATGGTCGCAG GGGATCAAGAACGCTCTTAGGGAATGAAAGACGGGC AGTATCGGAGGGCGCGGGAGAGGTGCCAGCCTTCGT CGCAGGGGATCAAGAACGCTCTTAGGGAATGAAAGC GTTGCAGGCAATGATCTCTGCAACTGGCCGTCGAAT GTCGCAGGGGATCAAGAACGCTCTTAGGGAATGAAA GGGAGTGGGTGCGACTTAAAGCGTTTGACGGTGGCT GTCGCAGGGGATCAAGAACGCTCTTAGGGAATGAAA GAAACAAAGACGAATTGCCTGGACGCAGGCAAAAT ACGTCGCAGGGGATCAAGAACGCTCTTAGGGAATGA AAGATTGCGACAGCCTCGCCTCATTCCAGGCCGACA GGCTGGTTCGACAGGGGATCAAGAACGCTCTTAGGGAA TGAAAGATCGTTCCTGCACGAGAGCGGAGTGAGTCG CCGGGGGGTTCGACAGGGGATCAAGAACGCTCTTAGGG AATGAAAGGATTACCTAACCACCCCAGCAGGGCTT CCGGCCCTGGTTCGACAGGGGATCAAGAACGCTCTTAG GGAATGAAAGGGAGAGACGGGCAGGGAGAATGAAAC AATGAAAGCGATCCGTCGACAGGGGATCAAGAACGCT CTTAGGGAATGAAAGCTCGCCAACCCTCGGACAGG TTGGGTGGCGGGTTCGACAGGGGATCAAGAACGCTCT TAGGGAATGAAAGTTGAACCCGCCAAAGCAGTTCAG CCACGCCGCCAGGTTCGACAGGGGATCAAGAACGCTCT TAGGGAATGAAAGTATTCCACGCAGCACATCGGAGA ACTTGCCTTTCGGTTCGACAGGGGATCAAGAACGCT CTTAGGGAATGAAAGTGCCTAGTGCAGCGGATCTA TCCGAGGTTGACCGGAGTTCGACAGGGGATCAAGAACG CTCTTAGGGAATGAAAGGTATGCTCCAAGACCTTCG TCGTCGGGTTCCAGGCCATGTCGACAGGGGATCAAGA ACGCTCTTAGGGAATGAAAGTGTAAATTCTGATACAG GCGCGACCTCACGAGCACCCGTCGACAGGGGATCAAG AACGCTCTTAGGGAATGAAAGCATTCTGCGCGGCCCT ATACATCGAATACCTGCGAACGTCGACAGGGGATCAA GAACGCTCTTAGGGAATGAAAGATTGCCTTCAGCCG CTTAGCCATTTCGCTCGGCATAGCAAGTCGACAGGGGA TCAAGAACGCTCTTAGGGAATGAAAGTTTGCCGGCC</p>
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		GAGACGTGCCACCGCCTAGTCAGGCGATGTGCGCAGG GGATCAAGAACGCTCTTAGGGAATGAAAG
CRISPR-Cas π -3 cassette	DNA nucleotides sequence of CRISPR- Cas π -3 cassette from <i>Casπ</i> gene to the last repeat.	ATGGGTAAGAATCGGTCCTCGTCCTCGGATTTGAGCC AGCTCGAACGATCCTTACGGAAAGTCGGTGAGAATC GCCTTGAGCGGCTGCGGGTGCCTGGGCAGAAGATTA GGAAGCACCTTGAACAGCACCCCGAGGTAAGAACG ATCATCAGGCCCTCCACTTTCTGCTCCACCAGATCGA GGTCGAACGGAATGACCTGTACCGAAACCTCAAAGA CCCCGAATACGTGCCCAAGCCAGCGAAACGGCGGCG AGAAAGACGGCAGATCAACGTGCCCCAACCGCCGAC CCGACCCACCAAGAGTGTGGGGCCGAAACCAGCGCC GACGACATACGTGATCCCGCGCCCCGAGCCAGGCCG TGACCTACCAGCATTTCGCGAGCAGGTACAAGGCAAG TGACTCGAGAGGCGAGGACGACCAAGACGGTCGGTC ATGGACTGCCGCGCCCTTTGTCGAAGTCGAGCTGCC GATACAAATTGCCGGCAAGATCCTCGAGAAACTCCG TAAGTACGTGCAAAGGACGAACGGGAGATCGTTCCG CGAGTGGGCTGTCAAGACCTATGGCTCGATCGAAGC CGCAAGAGAACCACTTCTTATCGGGGCACAAGTCTC GGAAGACGTCTCGGTCTGGCGCGGACTCCTCGCAGA AACGAAAAACGCACAGGACTTCGCCGCCCTCTCCGA CGATCAGATCGAAGCAGCGATGTCGAAGGAGGCGA AGGGGTCAGACCTGCGTCCGAGGCGCGCCGCACTGC TAGTCGCACAGCGCCACTGGGTGGATCAGACCGTCA AGGCAATCAAGGAGTCGGCCCCGAAAGGCGTCGATA AGGACACACTCGATCGCCGTTTGC GCGCTGGCCTAA GGGGGTTTCATACAGCAGCTAATTCGGGTAAGCACA CGAACCCACAGTTCCCATACTTGACGCCGAAAGAGG CAAAGGTGCCGTTAGAATCGGTCGTCATCAGGTCT TAGAGTTCCTCGACGACGCGGACGACCAGCGCTACG TCCAGGTCAAGGTTGACGACAAGAAGCGCCACAGAG TCAGTCATCTCCAGAAGGAACTCGGGAAGGCGAGGC CGCGCAAGCGACTGGAGCTTCAGAGGCCAAAGTGGG CGGGTAGGCCTACAGTGCAAGGAACGATCAGCAAAC GGCGCGACGCCGCACTCGTGTGGGACACGAGCAAGA AGGAAAACGGCCTCTGCCTCGCGCTCCCCTCGGGG GTTTGCAGAAGATAGATGTTGAGCGGTTCTATCTACCA AGACGGCACGTCACTATTGTGCGACTGCCAGATCGC GTCGAAGACCTCCAAGAAAGGTGCGGCGTGC GCGCT CATGCCGCTCAAGCCCAAGCACGACTTCCTGCGTTG GTACACCAAACACGTGCGAGAACCACAACGCAGACGC GCCGCTCGAGCGCCGCTGTCTGCACAACACGACCCA GTTTCGTGATCGTGGATCCAGAGGGGCAGCGCCCGCG TCTCTTCATCCGCCCGTCTTCAAGTTCTACGACCCC

		<p>GGCAAGGCAGTGCCGAACACGCACGAAACTTGGAA GAAGCCGGACTGCCGCTACCTGGTAGGGATCGACCG AGGTATCAACTACGTTCTGCGCGCTGTCGTTGTGGAC ATCGAAAAGAAGGAAGTCATCGCTGACATCCACCTA CAAGGCGACAAGCACAAATGGAGGATGATCCGCGA CGAGATCGCCTACCACCAACAGATGCGTGATCTTGC CAGCAACACAGGCAAACACCCGAGCGTCGTGGCGAG GCACGTCCGCGCACTCGCCCTCGCCCGCAAGAAGGA TCGCGCGCTCGGCAGGTTTACGACGGTCAAGGCTGT CGCAGATATCGTCATGCAATGCGAAAACGACTACGG AAGCGGTAATACTGCTTCGTGCTCGAAGACCTCGA CATGGGCAAGATGAATCTCAAGCGCAACAACCGCGT GAAGCACATGGCCGTCATGAAGGAAGCGCTTGTCAA TCAAATGCGCAAGCGCGGCTATGCCTACGACGGTGC CCGCGGCCGGGCGGACGGCGTCAGGTACGAGGGCGC ATGGTACACGAGCCAAGTGTCCCCCTTCGGCTGGTG GGCCAAGCGTGAAGAGGTGGAGGAGGCGTGGAAGA AGGACACGTCGCGCCCGATCGGTGCGAAGGTCGGCA ACTGGTACGAGATGCCAGATCCGAACGAAGAAGGA AAGCGGTCAGACGTGTATCGGAAGGGCTGCTGGAAG AAACCGCAGAACGCAAGCGGAAAGCCATACGGGCG GAACCGCTTCTGTGTGGAACCTGGCGACGAGAAGCC GGACGCTCAGCGGCGTTCTCCTGGGGGAGCGAGCT GTTCTGGGACCCGAACGTGAAGTCCTTCAAGGGCAA AGAGTTTCCCGAGGGGGTTCGTGCTGGACGCCGACTT CGTAGGAGCGCTCAACATCGCCCTTCGCCCACTCGTC AACGACGGTCAGGGCAGGGGCTTACGGCAGACAA GATGGCCGAAGCGCATAACGAGACTCAACCCGCAAGT CGAGATCGTTTGCAAAATCCCCGTTTATGAGTTCATC GAAGAGCACGGTGACAAGAGGGGCAAACTCAGGCG GATCGTGCTATAGTAGGCCGTTCTGACTCGATGCGG GACGGATACTACACTAAGCCTAAACGGCACGAGCGA TAGCCCTGCGGGGATTCCCCAAAGCCCGTACGACAA GCCTCTTTCAGGCGTCGGACACTTAAGAGCGTTAGG CGGGCGGTCCCTAAGCCGCTCGCCCCCTTATCCCCAC GGTTTCCAAGAACCCCGTAACTCTGCCAGTCAAAA CACCCAGAAGCGCGTCTACACTTACTTGTGAGTAAG GAGTAGATAGACATGCGCTATGAGATCGTAGATGGC TACGGGTGCCAGGTGCTTAAGCACAGCGAGCGCCTG ATCTCAAGTGGTCCGCCAGAGACGACCAGCAACCC AAGCGGAGGTGCCGATTCTGCACCTCGACCACCTG CTCGTCGGCTCCAAGGGCGTGACGGTCTCGACCGAC GCCCTCGCCCTCTGCTGTGAGCGCGGGATTCCCGTCA CGGTCGTGGACTGGCGTGGTCGTCCAGTTGGGAGGT</p>
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		<p>TCGGAAGCCCCGCCCTCCACGGAACGGCACAGGTGC GCCGAGCACAGATAGCCGCCTTCGACACAAAACGAG GAGCCTCTTTCGCCAGCGAGATCGTCGGCGGCAAGC TCCTCAACCAGGCAGACAATCTCAACTACATCGGCA AGAACAGAAAGACGCGCGCTCCAGAAGTTTACGAAG AGTTGACAAGGACAGCCGACACGCTCCAACGTCTGG CAAAGAAGGCAGTGGCGGTCAAAGGCAAGAATGCG GACGAAATTCGGATGCTCCTCATGACGGTCGAGGCA GAGGGCGCCCGCGCTTACTGGTCGGTGCTCAGCGAA GTCTACGGCAAAGGGTCGGGGTTCGCCAAGCGCGAA CAGCGCGGCACCCGCGACCCGGTCAACGCCGTGCTC AACTACGCCTATGGCGTACTCAATGGCGAGGTCTGG AACGCCGTCTGTGCTGGCCGGACTGGAGCCCTACGCA GGGTTCCCTGCACGTCGATCGGCCGGGACGCCTGAGC TTCGTGCTCGATCTGATGGAGGAGTTCGCCCCGTCG TCGCCGACCGCGTTGTGTTTGGCCTCGTCGCCAAGGG ATGGAAGATCGGTCAGGAGGAGAACGGTTGGCTCGA TCTATCGACGAAGAAGCGGCTCGTCCGGGCGATCGG CGACAGGTGGGGACGCGCGTCGAGCACCAAGGTCTG CAAGTTGCAACTACGATCTGTGCTCCAGCTGCAGGC ACGGGACGCCGCACGGCACTTCCAGGACAAGGCGGA GTACGACGCGTTCCGCCAGAGGTGGTAAGGCATGAA GTGGCTCGTGTGCTACGACATCGAGAAGGATAGTGT CCGAAACAAGGTGGCAGACTTCTGCCTTGACAAGGG GCTCGAACGGGTTCAATACAGCGTCTTCCTTGGGTCTG ATGACAAGAACGCTCGCCAAAGAACTTGGAGCACAG ATCAGGAAGCGAATGGGCAAGAATCCAGGGCAAGT GCGCTTTGTGCCGATTTGTGAGAAGGACTGGCGTTCG TCGTTCCGCGTCCAAGTCGGTGACCACATGGGAGAA AAGTCATCCGATGATAAGTAGGTTCCACGCCTACCA ACCACTTGACATGGTGAACGTGAGCGATCTCCGCCA GTGGGTGTA CTGTCCGCGCGTCGTCTGGTACGGGCG CTCATGGGGCGACTACCGCCCAGGACCGGGGCGAT GAAGGTGGGGATAGAGGCGGAGGCGGAGCGGCAGA GGCTGGAGGAGCGAAGGACGTTTCGCTCAATACGGTC TGGGGGCGTGACCAAGCGGTTCCAGGTTCCCGTTG TGTCGGAGGCGTTGGGGCTGTCCGGGCGAATCGACT GCCTGTTTCGAACTTACGCCCGTTGCGCTGGAGGACG CTCAGGTCGGGGTGAGGCCGCTGAACTGGAAGGAGG GCGATCCGATGTTTCGCGCCAGTTGAGTACAAATGGA CGTCCAGAGCTGACCAGAGGCGGAACACAATTCAGC TGGCCGCTTATGGGATGATTCTGGAAAGCTTGACGG GGACGCCCGTGCCGCTCGGCTTCATCGCGCTCCTGCC TGAGGAAGAGGTTGTCCGTGTGCAACTCGGCCCCAG</p>
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		AGTTAGGCGCGCAGTCAAACGCACCCTAGACGAGGC TCGCGAAGGCCTTTCCGCCTCGGAACTCCCCTGGCCA ACGCTCCACCGCGGAAAGTGCCAAGACTGCGAGTTC CGACGGTTTTGCAATGACGTCTGGTAGATGGGGTTCCG AAACCCTCGCAGCTGCTCGGATTTCTGGGGCGATGTG CGAATCCTAACGCCCCGACACTCAAGATGATGGAG GCCTTCGACCCACAATCAAGCCCGACTCAGACAGCG AAGAGCCAATGGTGTGCGCAAATTCGCTCTCACCGG GTACATTCATTCGCACAACGGCGGACTTTGTAAGCTA AATAGCGGGTTTTCGAAACGACGCGGCCGAACCTGTT AGGGCAGGGTTGCAGCAAATGGACGGCGTGTCTGAG TCCGGTCATGCATGGTTCGCAGGGGATCAAGAACGCT CTTAGGGAATGAAAGCCAGCCGCACGCGCAGGGTGC CCCGCTCATCGCGGAGCGTCGCAGGGGATCAAGAAC GCTCTTAGGGAATGAAAGGACCGACGGCCTTCCGAA CGGAGAGGTTCTCGCGTCGTCGCAGGGGATCAAGAA CGCTCTTAGGGAATGAAAGATGGCTCTCGACGAAGG CCTACGGCTGGACCGTCGAGAGTCGCAGGGGATCAA GAACGCTCTTAGGGAATGAAAGGAACCCGTCGCGT CGAGCAGCGCCTTCTGGCCGTTGTCGCAGGGGATCA AGAACGCTCTTAGGGAATGAAAGAACATCCACCTCA CTGGGCGCGTGGTTCGTCATTGCCGTCGCAGGGGATC AAGAACGCTCTTAGGGAATGAAAGACGTAGGCGGTC GCCATCTCCGCTGTCGTCGATTTCCGTCGCAGGGGAT CAAGAACGCTCTTAGGGAATGAAAGCAGCATGAGCA CGCAGGCGATCTCCGGGAGGTCGAACGTCGCAGGGG ATCAAGAACGCTCTTAGGGAATGAAAGACGGTGTG AGGCCCTTGGCGTCCTTGAAGTCGCGTCGCAGGGGA TCAAGAACGCTCTTAGGGAATGAAAGCACACGTTTC GAGGCGGGCAACCTGCAATCGGTTCGGCGGTTCGCAGG GGATCAAGAACGCTCTTAGGGAATGAAAGGCAATCG GTCGGCGATTACGCGTTCTACCTCTGCGACGTCGCAG GGGATCAAGAACGCTCTTAGGGAATGAAAGGGACA GACGGGCAAGGAGAATGAACAATGTCTGCCCTGTGCG CAGGGGATCAAGAACGCTCTTAGGGAATGAAAGTCT CCGGCAATCCGTCGAGGCATTTCCGCGCCTGAGAGTC GCAGGGGATCAAGAACGCTCTTAGGGAATGAAAGCG GAGCGGGCGGATGAAGCGGGGGGGCCAGAACCCTG TCGCAGGGGATCAAGAACGCTCTTAGGGAATGAAAG CCGCCATGTACGCGGCTGAGGAGCCTCCCCGCCTCG TCGCAGGGGATCAAGAACGCTCTTAGGGAATGAAAG
CRISPR-Cas π -4 cassette	DNA nucleotides sequence of	ATGCCCAAAAAGACATCGACGGTCGCTCTGTCACCC AGAGATATTCGCTTGCGCGAACTTGGAGAGAAGCGA CTTCAAAGGTTGCGACAGCGCGAAGAGAAGATTCGT

<p>CRISPR- <i>Casπ</i>-4 cassette from <i>Casπ</i> gene to the last repeat.</p>	<p>CGTCACCTGGAGTCGGAGCGCGGGCGGCGTGACTTT CAATCGCTGCACTTTCTTCTTCATAAAATTGAAGTTG AACGAAACGATCTGTACCGAAATCTTTACCAGAACG AAGGGCACGAGTCGTATGTGCCAAAGCCAGGTAAGA CGAAACATAGGAAAGAACTTTCTTTGCCATCCACAG AGTTACCGTCTCCACCTGATGAGAAGAAAGGGCCCC GGCCAAAAAGAGTCGCTATGTGATTCCCCAGCCCCG TACCTGGAATCAATCTCCCACGATTGATCAATAGATT CGGTAATCGGATCAAAAGTCCGAATCGGATCAAGA AGGCAGATTTTGGACTTCAGCGCCTTTCATCGAAGTT GAGCTGCCTATGCTTAATGCCCATCGAGTCATAAAG GCGTTGATGCGATTTCGTTGAGAAAGACGAGCGTTTCG GTTGTCCGAACATGGGCTGTGACCAAGTTTGGCAGC ATTGAGGCCGCCAGAGAAGTCCTGCTAGCAGGAGCT TTGCTGCAAAGAGAGCCGGAAATCATGAGAGGCTTC CTCCAGAATATTGACCCCTGGGGGAGTTTGAGCGAT GAGGAACTCATTTCGCGATGAAAAAGCGTGCCGGACG GTGAAGCTCCTAGCCCAAAGAATTGGGTGGATCAA ATCGCGAAGTCGATCAAGGACTCGGCGCCTAAGGGC GTAGATAAAGACACTTTGGATCGTCGCCTGCGGAGT GGCTTAAAAGCATTCCATTCTGCGGCAAATTCAGGA AAACACACGAATCCCCAGTTTCCCTATTTGACATCGG AGAAACCGTCCGCGAACTTTGAATCAGTTGTCGACT CTGTGCTTGAGTTCCTCGATCTGGAGGACAAGGATC GATACACGATTGCGAAGGTTGACGACAAGAAACGCC ACCGAGTGACGGCTCTGCAAAGGAGCTAGGCCAAG CCAAACCACGTGTAAGGTTGGAGCAGGAACGTAGCA GGTGGGCTGGCCACTCGTATCTCCAAGGGACCATTA CCAGGAAAAGGCAGGCTTCCCTCGTTTGGGATGGTC ACCGAACGGAGAACGGTTTGGCTCTCGCCATCCCAT TAGATGGCATGCCGAAAATTGACGTGCAGCGATATA TGTATCAAGATGGCACCTCCCTTCTCTCGGATCGGCA AATTACTTCCAAGACCAAGTCCGAGGGTAAGGACTG TGCCTTGATGCCTCTACGATTTAAGCATGCCTTTCTT CGATGGTATAACGAAACACGTCGAAAATCACGTGGCC GAGGCCCTTTGGAACGGCGATGCATTCATAACACA ACGCAGTTTGTATCGTCGACCCAGAAGGAAAGCAT CCTCGGCTGTTTCATCCGACCTGTCTTCAAATTCTATG ACTCTAATAAGACAATACAGAACAGTAACGCCCCCT GGTGCAAACCGCAGTGTGATACCTTATCGGCATTG ATCGGGGCATCAACTACGTGCTACGAGCGGTTGTTG TAGATACTGAAGAGAAAGCCGTAATCGACGACATCC CTCTACCGGGTCGAAAGCGGGAGTGGCGAGCCATTC GGCAAGAGATCGCGTACTTTCAGCGCATGCGGGACC</p>
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		TCTCCAAGAGTGCCCAAGAAAGGAACCGCTATGTGG TTGCGCTTGCCAAAGCTCGTAGGAAAGATCGCAGCT TGGGCAAGACAGAGACGGTTGAGGCTGTTGCAAAAC TTGTTCAGAATTGCAGCGAGAGATTTGGGGAAGGAA ACTACTGCTTCGTGTTGGAGAACCTTGAGTTAGGTGC TCTTAACTTAAAAAGAAATAACCGAGTTAAACATCT CGCTCCATGGAAGAGGCATTGATCTATCAGATGCG GAAAAGAGGCTACTTCTACAACCTCCCGATCGAACCG GGTGGATGGTGTTTCGTTGGGAAGCCGCACGCTATAC AAGTCAAGTTTCTCCGTTTGGCTGGTGGGCCAAGCGC GATGAAGTGGAGAAGGCCAAGAAACAAGATAAAAG CATGGCGATTGGCCGCAAGATTGGCGAGGGATATGA AGGTCCGCAGGACGATGAAATAGAAAGTCATTTCGAC TATCTATCGGCAGGGCAGATGGATGAACTCAGAAA TGAAGAAGGAAAGGCCTACGGAAGAAGTCGGTTTGT GGTTCAGCCGGAAGACTTGGACCCTGCACAACCCAG AAGGTTCAAGTTGGGGAAGTGAACTTTTCTGGGATCCC TATCAAAAGGAATTTAAAGGAAAGTCCTTCTCTCAA GGCGTTGTGTTGGATGCTGATTTTGTGGGAGCCCTAA ACATTGCCCTTCGGCCACTAGTCAACGACGGCAAAG GCAAAGGTTTCACCACCGCGATGATGGCGGAAGCAC ATGTCAAGTTGAACCCGACCTTTGAGATCCGTTGCAA GATCCCGGTTTACGAATTTATCGCTGAGAACGACAA TTCTCGTGCCGCGCTGAGAAGGATTGTGATATAGTTT CTAAGTTCATCTCGATGCGGAACGGATACTACGCT GTAGTCTATACGACACGAGTGATAGCCCTGCGGGGT TCGCCCCTAAGTCCGTATGACAAGCCTCTTTCAGGCG GTGGACTTCTAAGAGTGCTGGTGGGTGGAATCCCTA AGCCACCCACCTCCTTCACAATCTGGCAGAATCACG AGTTCATTAAGAAAAGGTGACGTTAACCTAATTTGT GCGTTACGAAATTGTTGATGGTTATGGTAGCCAGGTC CTCAAGCATAGCGAGCGTCTCGTACTTCGCATCCCTT CTGCCCTAGATAAGAATATTAAGCGGGAAGTGCCTG TCCTCCATCTGGACCATCTGCTTGTGGGGACAAAGG GAGTGCTCGTATCGAGCGATGCCCTTGCCTTATGCTG CGAGCGAGGTATTCCCGTTACGGTTGTCGATTGGAG GGGGCGTCCCGTAGGAAGGTTCCGGTAGCCCCGCGCT TCACGGCTCCGCCATATTCGCCGAGCTCAGCTCGAG GCCTTTGACGCCAATTTAGGCGCTGAGTTCGCTCGGG AAGTCGTCTGCGGGAAGCTCTTGAATCAAGCTGACA ATCTTCGATATTTTGGCAAAAATCGAAAGACTCGCG ACCCCGCGCAACACGAACTGCTTGAGACCTCGGCAG ATGATATCAATGAGATTTCAAAAAGAGCTTCCTGTAT CTCTGAAAAGTGCGCGAATACAGCACGGTTGCCGTT
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		GATGACCTTAGAAGCCGAAGGCGCTCGTATCTATTG GTCCGCCCTCTCGGCCTCTATGGGACAAGATCCGG ATTCGCTCGGCGGGAGCAAAGAGGCACGAGAGACCC CGTAAACGCCGCGCTCAACTACGCCTATGGAGTACT CAATGGCGAGGTGTGGAACGCCGTGGTCCTGGCTGG GCTAGAGCCATACGCCGATTGTTGCACGTTGACCG GCCCCGAAGACTTTCGTTTGTCTTGACCTGATGGAA GAGTTTCGCCCATTATCGCGGATCGCCTCGTCTTTG GTCTTGCGGCTAAGGGTTGGAAAATCGGTCAAGAGG AGAACGGATGGCTGGATTTTGCCACCAAGCAGAGAC TGCTTAAAGCGATTTCCGAGCGGTGGGATGCACGCG TTAACTATCAAGGACGAAAAATTCGCCTGAGAAGTG TGCTTCAACTTCAAGCCAGAGATGCCGCTCGCCACTT CCTCGGTCGCGCCAATATCGTGCTTTTCGACAAAGG TGGTAATGAGATGAAGTGGCTCGTTTGTTACGATATC GAAAAGGACAGCGTTCGGCAGAAGATTGCCGACTTT TGTCTGGATAAAGGACTCGAACGTGTCCAGTACAGC GTCTTCCTGGGCGATATGAATCAAACGTTGGCGTTTG ATCTCGCCGCTCAGATTCGTCGTCGAATGGGTGATCA TCCAGGTCAAGTCCGATTTATTCCTATCTGCGACCGT GATTGGAAAAAGACCTTTCGGATTCAGATAGGCAAC TACATGGGAGTTAAGCCTAGCAATGGTAAATGAAAC TCATCCCTACGCGCAGGCGGATATTGTTAGTGTGAGT GAATTAAGGCAGTGGAGCTATTGTCCCCGGGTCGTTT GGTATGGCCGTTCAATGGGCGATTACCGCCCAACAA GCGGAGCTATGAAAGCAGGCATTGATGCAGAGGCAG AGCGTCAAAGGTTGGAAACTCGCCGAGGTTTTTCGC AGTATGGGATCACCGCCGTTGACAAAAGATTCCAGT TTTCAGTTCGTTTCGGATTCGCTTGGGCTTGCCGGAAG AATAGATTGCCTGATCGAGACAACCGATGTAACTTTT GAGGAAGCCCAAGCGGGCTACGCCCCAACGAATGG AATTGGGATGATCCTCTCTTTGTGCCCGTGGAGTACA AGACAACGTTCCGGGTTCAACAAAAGCACAAACGTC TGCAGCTTGCGGCTTATGCCCGAATGCTGGAGAGTCT AACAGGAAGTGCCTGCGGTTTCGGATTCATTGTGAT GCTGCCCCAAGAAGAGGTTCTTAAGATTGAGATAAG TTCCGAGATCAAGCGGTCACCTCGACTTCTTAATCGAA GAAGTTCAAAGAGGCTTGGTGTGCGGATGAACTTCCC AGGCCACCCCGCACTCGGGCAAGTGTCAAAACTGC GAGTTTCGTCGATTTTGCAACGACGTTTGGTGAGACC TTCGAAACCTTGTTGATGGCCGATTGCATCGGCAGAT GTGCGAATCTGAACTACATCGTTCTGCGAATTGAGCC TCGTGAGCGCTCCCAGGTAGATCAGTTTCGCCTGATGT TCGAGCTTTCCTAACGTCAAATCTTTGATTCTATGCT
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		GTATCCTAATATCGAACCAACTGTTGGCTTCGCACAT CAAGGCACCTTGATAGGTTAATTGTGGATTTGAAA ATTGCCCCTTCTACTTGTTAGGGACAAGTTGGGCGAG AGTTTGTATGACGCCTCAGTTCAAATGAGAACGGTC GCATGAGGCGAGAAGCACTCTTAGGGAATGAAAGCG CTCTTGGCGTGCCATGCCCCGAGTTGTGGGCGGTCA GTCGCATGAGGCGAGAAGCACTCTTAGGGAATGAAA GGCCATTCTCCTCAGGATTCAGAAGCTCGGGGAAT TGTCGCATGAGGCGAGAAGCACTCTTAGGGAATGAA AGTTCAAGAAGGCATCAGACGAGTACTTCGCCGCC GTCGCATGAGGCGAGAAGCACTCTTAGGGAATGAAA GAAGATTCGCGCTATTACTACGCGTCTTGGTGCTGA CGTCGCATGAGGCGAGAAGCACTCTTAGGAAATGAA AGTTCCATCGTCCATCGGTGCCCGAGGGGTCCAAAC TTCGTCGCATGAGGCGAGAAGCACTCTTAGGGAATG AAAGCGAGATCGGTTTCGAGATCGTCCTTGGGCTTG CCCGTCGCATGAGGCGAGAAGCACTCTTAGGGAATG AAAGAATCAATGATCCCCGGCACTCTTTAGGAGTG TCCATGTCGCATGAGGCGAGAAGCACTCTTAGGGAA TGAAAGTGGAAGATCTGAACGTCGCGCTGCTAAAT GGCAGTGTGCATGAGGCGAGAAGCACTCTTAGGGA ATGAAAGCTCTTGAGCTTTGGCCGCTTCCAGGTCAGT ATCAGTCGCATGAGGCGAGAAGCACTCTTAGGGAAT GAAAGATGATCAAATGCACTCGCAAGGATTGTGACA ACTGGATCGTCGCATGAGGCGAGAAGCACTCTTAGG GAATGAAAGAACGAGCAACCGGCAGTAGAGCTTCTT GAGACTGATGTGCATGAGGCGAGAAGCACTCTTAG GGAATGAAAGGTGAGAATGCCATGACGATGGACGC GCGGCGGTCTGTCGCATGAGGCGAGAAGCACTCTTAG GGAATGAAAGAAATCGAGTTGTCAAGGATTACTTGA CAATTGAGAAAGTCGCATGAGGCGAGAAGCACTCTT AGGGAATGAAAGTGTTTCGCAGATTCAGGCAGGACT TGCGACATCTTCAGCATTGTGCATGAGGCGAGAAG CACTCTTAGGGAATGAAAGAGCAGCCGCCGACCCGT TGCCCCTCCGACTCCAGCGTTCGCATGAGGCGAGAA GCACTCTTAGGGAATGAAAGCCCAGAGGGCGGTAA AGAGCCCCATCTCTCGCAAGGTTCGCATGAGGCGAGA AGCACTCTTAGGGAATGAAAGGTGGTCAACCGATGGT GGAGTCAAGAAAACAGTCGGTAGTCGCATGAGGCGA GAAGCACTCTTAGGGAATGAAAGAAGAGAGCGATG CGGCCTGTCAAAGTAGCTCCATCCGTCGCTTGAGGC GAGAAGCACTCTTAGGGAATGAAAGACCTACGCTTG CTTGGTCGCCAGTTGTTTCTAGTCGCATGAGGCGAGA AGCACTCTTAGGGAATGAAAGCGCGAAGTCGTCTTC
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		<p>GTGGTAGCGGTGGAACATGACGTCGCATGAGGCGAG AAGCACTCTTAGGGAATGAAAGTTGTACCAGTCCGG GCGTGTGCCGATCTCCTGGGTTGGTCGCATGAGGCG AGAAGCACTCTTAGGGAATGAAAGAACTTTTCGTCC AGTCGTACGTCGATGATATCGAAAAGTCGCATGAG GCGAGAAGCACTCTTAGGGAATGAAAGGGAGGAAG CGCTCCCCTCCGGTCTTGAGCGAGGTTCGCATGA GGCGAGAAGCACTCTTAGGGAATGAAAGATTGTGCC GCCAGGTGCATCCCCTGGACTGCTTATGGCGTCGCAT GAGGCGAGAAGCACTCTTAGGGAATGAAAGCCTCAC GCAAAACGTTTATGCCCCGGTCTCGCTTCTGTGCGC ATGAGGCGAGAAGCACTCTTAGGGAATGAAAGGCTC GATCAAGGCCATGGCCAAGGAACCTCGGTGTCCGTCG CATGAGGCGAGAAGCACTCTTAGGGAATGAAAGCGC ACAACCTCGGGCTAGAATCAAGCGGGGATGCCGAGTC GCATGAGGCGAGAAGCACTCTTAGGGAATGAAAGA ACTTGCACCTGTGGACGTGCCTGCAAAAAGTCTGT GTCGCATGAGGCGAGAAGCACTCTTAGGGAATGAAA GTTGGACCTCAGTGTCTAAGTTGTTGGACGCAAGCGT AGCATGAGGCGAGAAGCACTCTTAGGGAATGAAAGT TATGACGCAGCGAGGGCTCACCTTTGATCGCTACGTC GCATGAGGCGAGAAGCACTCTTAGGGAATGAAAGA AGCAAAACGAAGATCGTTGCCCTCGTCGACTCTGGT CGTCGCATGAGGCGAGAAGCACTCTTAGGGAATGAA AGTGGAGAGGCTGGCTACATCGTTGGGAACAACCTG GGTCGCATGAGGCGAGAAGCACTCTTAGGGAATGAA AGAACGTCTGTAAGTGGGGCTGATCTTGCGGTGTTTT ATGTCGCATGAGGCGAGAAGCACTCTTAGGGAATGA AAGCTAGTAGTTCGTCGATGTTTCATCTCAACTCCCAG GCCGTCGCATGAGGCGAGAAGCACTCTTAGGGAATG AAAGGCAGAACATTTGAACTCGGCGGCGACTTACA TCCTGGTCGCATGAGGCGAGAAGCACTCTTAGGGAA TGAAAGTTACAGATAGGGCAAACAAATTTCCAGTCA TAGAAGTCGGTCGCATGAGGCGAGAAGCACTCTTAG GGCACCTGA</p>
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