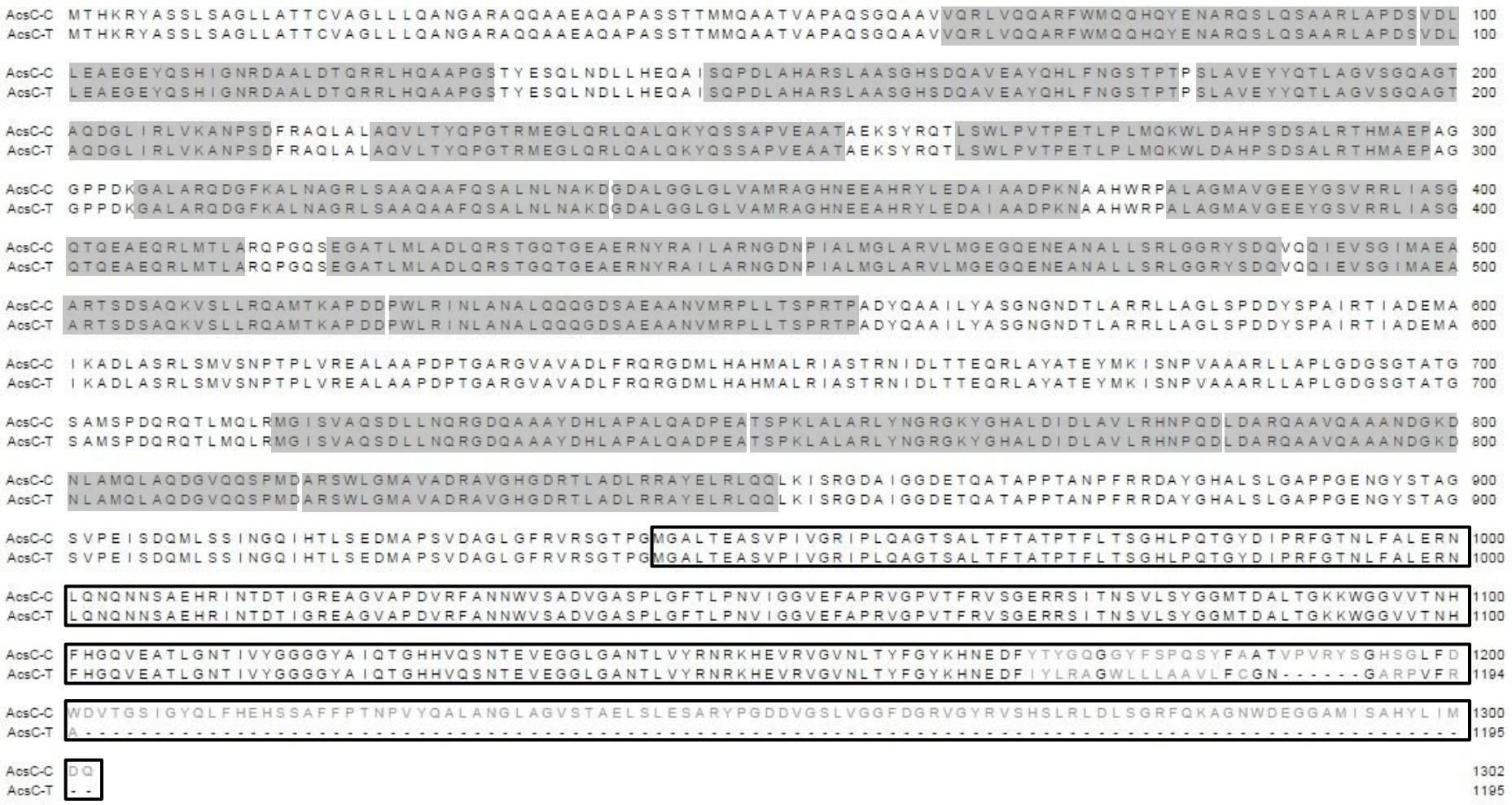
S1 Figure


AcsC-C MTHKRYASSLSAGLLATTCVAGLLLQANGARAQQAAEAQAPASSTTMMQAATVAPAQSGQAAVVQRLVQQARFWMQQHQYENARQSLQSAARLAPDSVDL 100
AcsC-T MTHKRYASSLSAGLLATTCVAGLLLQANGARAQQAAEAQAPASSTTMMQAATVAPAQSGQAAVVQRLVQQARFWMQQHQYENARQSLQSAARLAPDSVDL 100
AcsC-C LEAEGEYQSHIGNRDAALDTQRRLHQAAPGSTYESQLNDLLHEQAISQPDLAHARSLAASGHSDQAVEAYQHLFNGSTPTPSLAVEYYQTLAGVSGQAGT 200
AcsC-T LEAEGEYQSHIGNRDAALDTQRRLHQAAPGSTYESQLNDLLHEQAISQPDLAHARSLAASGHSDQAVEAYQHLFNGSTPTPSLAVEYYQTLAGVSGQAGT 200
AcsC-C AQDGLIRLVKANPSDFRAQLALAQVLTYQPGTRMEGLQRLQALQKYQSSAPVEAATAEKSYRQTLSWLPVTPETLPLMQKWLDAHPSDSALRTHMAEPAG 300
AcsC-T AQDGLIRLVKANPSDFRAQLALAQVLTYQPGTRMEGLQRLQALQKYQSSAPVEAATAEKSYRQTLSWLPVTPETLPLMQKWLDAHPSDSALRTHMAEPAG 300
AcsC-C GPPDKGALARQDGFKALNAGRLSAAQAAFQSALNLNAKDGDALGGLGLVAMRAGHNEEAHRYLEDAIAADPKNAAHWRPALAGMAVGEEYGSVRRLIASG 400
AcsC-T GPPDKGALARQDGFKALNAGRLSAAQAAFQSALNLNAKDGDALGGLGLVAMRAGHNEEAHRYLEDAIAADPKNAAHWRPALAGMAVGEEYGSVRRLIASG 400
AcsC-C QTQEAEQRLMTLARQPGQSEGATLMLADLQRSTGQTGEAERNYRAILARNGDNPIALMGLARVLMGEGQENEANALLSRLGGRYSDQVQQIEVSGIMAEA 500
AcsC-T QTQEAEQRLMTLARQPGQSEGATLMLADLQRSTGQTGEAERNYRAILARNGDNPIALMGLARVLMGEGQENEANALLSRLGGRYSDQVQQIEVSGIMAEA 500
AcsC-C ARTSDSAQKVSLLRQAMTKAPDDPWLRINLANALQQQGDSAEAANVMRPLLTSPRTPADYQAAILYASGNGNDTLARRLLAGLSPDDYSPAIRTIADEMA 600
AcsC-T ARTSDSAQKVSLLRQAMTKAPDDPWLRINLANALQQQGDSAEAANVMRPLLTSPRTPADYQAAILYASGNGNDTLARRLLAGLSPDDYSPAIRTIADEMA 600
AcsC-C IKADLASRLSMVSNPTPLVREALAAPDPTGARGVAVADLFRQRGDMLHAHMALRIASTRNIDLTTEQRLAYATEYMKISNPVAAARLLAPLGDGSGTATG 700
AcsC-T IKADLASRLSMVSNPTPLVREALAAPDPTGARGVAVADLFRQRGDMLHAHMALRIASTRNIDLTTEQRLAYATEYMKISNPVAAARLLAPLGDGSGTATG 700
AcsC-C SAMSPDQRQTLMQLRMGISVAQSDLLNQRGDQAAAYDHLAPALQADPEATSPKLALARLYNGRGKYGHALDIDLAVLRHNPQDLDARQAAVQAAANDGKD 800
AcsC-T SAMSPDQRQTLMQLRMGISVAQSDLLNQRGDQAAAYDHLAPALQADPEATSPKLALARLYNGRGKYGHALDIDLAVLRHNPQDLDARQAAVQAAANDGKD 800
AcsC-C NLAMQLAQDGVQQSPMDARSWLGMAVADRAVGHGDRTLADLRRAYELRLQQLKISRGDAIGGDETQATAPPTANPFRRDAYGHALSLGAPPGENGYSTAG 900
AcsC-T NLAMQLAQDGVQQSPMDARSWLGMAVADRAVGHGDRTLADLRRAYELRLQQLKISRGDAIGGDETQATAPPTANPFRRDAYGHALSLGAPPGENGYSTAG 900
AcsC-C SVPEISDQMLSSINGQIHTLSEDMAPSVDAGLGFRVRSGTPGMGALTEASVPIVGRIPLQAGTSALTFTATPTFLTSGHLPQTGYDIPRFGTNLFALERN 1000
AcsC-T SVPEISDQMLSSINGQIHTLSEDMAPSVDAGLGFRVRSGTPGMGALTEASVPIVGRIPLQAGTSALTFTATPTFLTSGHLPQTGYDIPRFGTNLFALERN 1000
AcsC-C LQNQNNSAEHRINTDTIGREAGVAPDVRFANNWVSADVGASPLGFTLPNVIGGVEFAPRVGPVTFRVSGERRSITNSVLSYGGMTDALTGKKWGGVVTNH 1100
AcsC-T LQNQNNSAEHRINTDTIGREAGVAPDVRFANNWVSADVGASPLGFTLPNVIGGVEFAPRVGPVTFRVSGERRSITNSVLSYGGMTDALTGKKWGGVVTNH 1100
AcsC-C FHGQVEATLGNTIVYGGGGYAIQTGHHVQSNTEVEGGLGANTLVYRNRKHEVRVGVNLTYFGYKHNEDFYTYGQGGYFSPQSYFAATVPVRYSGHSGLFD 1200
AcsC-T FHGQVEATLGNTIVYGGGGYAIQTGHHVQSNTEVEGGLGANTLVYRNRKHEVRVGVNLTYFGYKHNEDFIYLRAGWLLLAAVLFCGN------GARPVFR 1194
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AcsC-T A-- 1195
AcsC-C DQ 1302
AcsC-T -- 1195