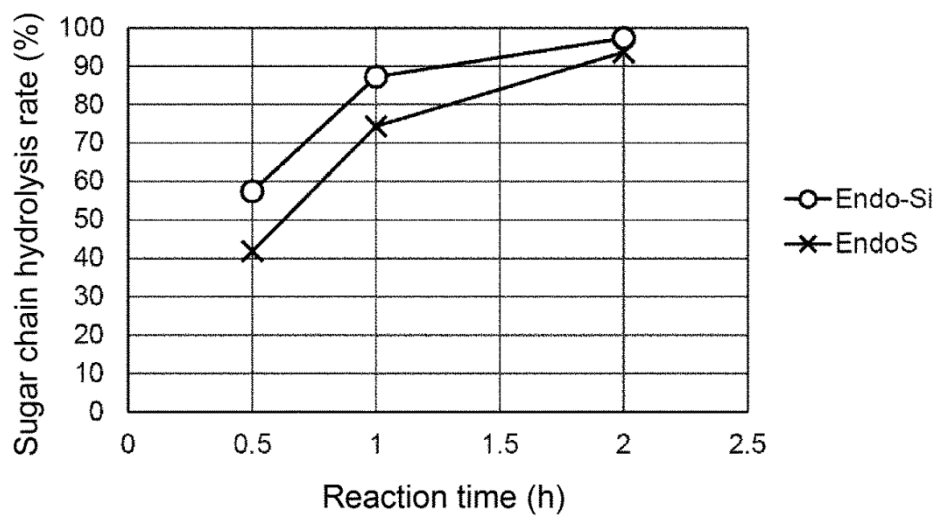
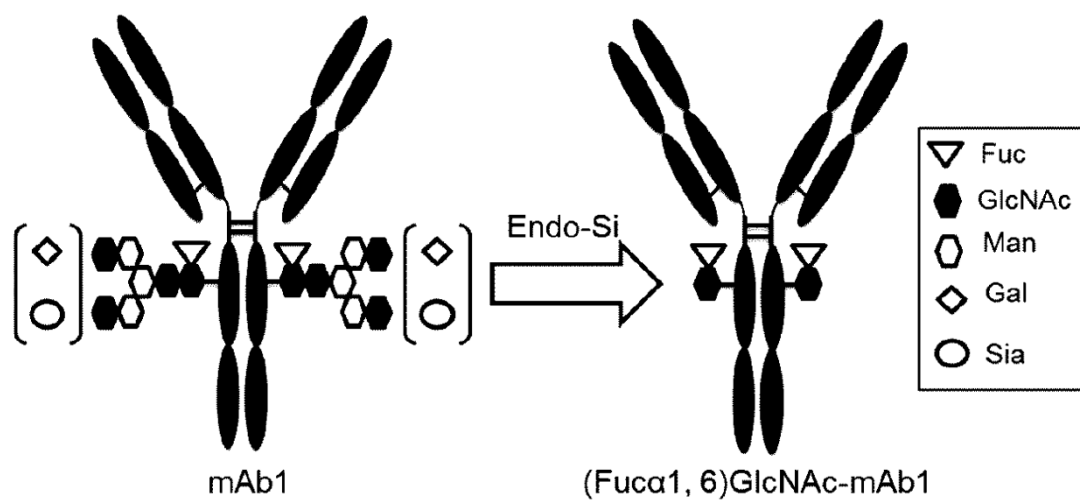


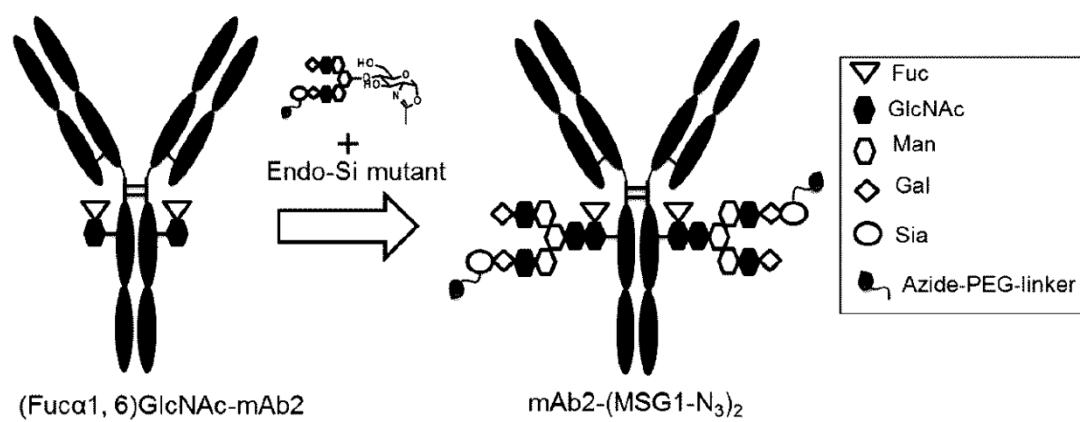
[Fig. 3]



[Fig. 4]



[Fig. 5]



[Fig. 6]

SEQ ID NO: 1 Endo-Si nucleotide sequence

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 GCCTTGAAACAATCAATTGCTGACGTCGAAGCTAAAATTGATGCCTTAACATATCTTTCAAAG
 AATAGTAAAGATGAATTTAAGCATTCATGTATGAAATCCCGTCAAATCGTGAACACAAAACC
 AGTATCACCCAAACAGGCCTTGCAAAAACGCTAAAAAAGCTGATGCTCAAGCAGAACGCCTTG
 CCAAAATGACCATTCCCTAAAAAGGAAGAACTAAAAGCACTCGAAGGACCACCTTTACGGTGGC
 TATTTCCGTACCTGGCAAGATAAACTTCTGATCCTACTGAACTAATAAGGTCAACTCCTT
 TGGGGAGTTGCCTAAAGAAGTTGACCTAGCATTGTTTTCACGACTACACTAAAGACTATA
 GCCTTTTCTCGCAGGAATTAGCCGACAAAACAAGTTCCGAAACTCAACAAGCAAGCAACACGT
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[Fig. 7]

SEQ ID NO: 2 Endo-Si amino acid sequence

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 YFRTWQDKTS DPTETNKVNSFGELPKVDLAFVFHDYTKDYSLFWEELATKQVPKLNKQGTR
 VIRTIPWRFLSGADHSDISADKEKFPNTEAGNKALAKAIVDEYVYKYNLDGLDIDIERDSVP
 KVNDKEDPEALARTVEVFKEIGKLI GANADKSRLIMDTTYTAEENPLIKETAQYLNLLLV
 QVYGFSGENGNYLHHKNILDETSSMEGRWQGYSKYIRPEQYMGVGSFYEEKDFNNRWK DINE
 EDPSDPHIGEKIQGTRAERYAKWQPKTGGLKGGFLSYAIDRDGVAQPKQKTEHPPELDKIVKS
 EYKVS KALKKLMMTDDQYQPIDQSDFPDKALRESIIKQVGTRRGDLERFKGTLRLDNPEIKD
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 EAYKEQTIQ GKPFIA PDYLYDNFKVSYKEYSASIVDSTLAETTDKTI DTAKAETYQVTVSNK
 DGKTVHSVKVIVGDEKPM MVNLAQDAKIIGTDNMTQSAKVFDGQKDQFLLSWNKDSSVIFEL
 KTPGTAKHWRFFDDGKNDSVTL SVFKGDASN FETEKDKAENWVEITKDSRKNDDKVFSSPLE
 VDNAYLKVVTIKKEAKYIYFNELQILGYPGVVAKKTADDLRPTEADKSDDKS DKNDEAK

[Fig. 8]

SEQ ID NO: 3 Endo-Si amino acid sequence

MNKRLLVKRTFGCVCAAAIILGVAPLSHPTIVEAREELKMPNGLEQSIADVEAKIDALTYLSK
 NSKDEFKHSMEYIIPSNREHKPVSPKQALQNAKKADAQAERLAKMTIPKKEELKALEGPLYGG
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 VIRTIPWRFLSGADHSDISADKEKFPNTEAGNKALAKAIVDEYVYKYNLDGLDIDIERDSVP
 KVNDKEDPEALARTVEVFKEIGKLI GANADKSRLIMDTTYTAEENPLIKETAQYLNLLLV
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 DLVISGLSGLES LDISGHQRDTLSGIDASTLP SLKAINISDNHFDLAQGTENRHILDTILAT
 LAKNGASTASF DKQKPKGLYPESYSTAPLHLQVGQGKINVIDDLIFGTRTNQNTLINTENDF
 EAYKEQTIQ GKPFIA PDYLYDNFKVSYKEYSASIVDSTLAETTDKTI DTAKAETYQVTVSNK
 DGKTVHSVKVIVGDEKPM MVNLAQDAKIIGTDNMTQSAKVFDGQKDQFLLSWNKDSSVIFEL
 KTPGTAKHWRFFDDGKNDSVTL SVFKGDASN FETEKDKAENWVEITKDSRKNDDKVFSSPLE
 VDNAYLKVVTIKKEAKYIYFNELQILGYPGVVAKKTADDLRPTEADKSDDKS DKNDEAK

[Fig. 9]

SEQ ID NO: 4 Endo-Si amino acid sequence

MNKRLLVKRTFGCVCAAAILGVAPLSHPTIVEAREELKMPNGLEQSIADVEAKIDALTYLSK
 NSKDEFKHSMEYIIPSNREHKPVSPKQALQNAKKADAQAERLAKMTIPKKEELKALEGPLYGG
 YFRTWQDKTSDPTETNKVNSFGELPKVEDLAFVFHDYTKDYSLFWEELATKQVPKLNKQGTR
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 QVYGFSGENGNYLHHKNILDETSSMEGRWQGYSKYIRPEQYMGVGSFYEEKDFNNRWKDINE
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 EAYKEQTIQ GKPFPIAPDYLYDNFKVSYKEYSASIVDSTLAETTDKTI DTAKAETYQVTVSNK
 DGKTVHSVKVIVGDEKPMNVNLAQDAKII GTDNMTQSAKVFDGQKDQFLLSWNKDSSVIFEL
 KTPGTAKHWRFFDDGKNDSVTLSVFKGDASNFEKDKAENWVEITKDSRKNDDKVFSSPLE
 VDNAKYLKVTIKKEAKYIYFNELQILGYPGVVAKKTADDLRPTEADKSDDKS DKNDEAK

[Fig. 10]

SEQ ID NO: 5 Endo-Si amino acid sequence

MNKRLLVKRTFGCVCAAAILGVAPLSHPTIVEAREELKMPNGLEQSIADVEAKIDALTYLSK
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 YFRTWQDKTSDPTETNKVNSFGELPKVEDLAFVFHDYTKDYSLFWEELATKQVPKLNKQGTR
 VIRTIPWRFSLGADHSDISADKEKFPNTEAGNKALAKAIVDEYVYKYNLDGLDIQIERDSVP
 KVNDKEDPEALARTVEVFKEICKLICANGADKSRLIMDTTYTAEENPLIKETAQYLNLLLV
 QVYGFSGENGNYLHHKNILDETSSMEGRWQGYSKYIRPEQYMGVGSFYEQKDFNNRWKDINE
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 EYKVS KALKKLMMTDDQYQPIDQSDFPDKALRESIIKQVGTRRGDLERFKGTLRLDNPEIKD
 LTGLNKLKRVAKLELINLPKITKIDKDDLPQNLKPLTDNQKSNLEIKGTYDDSKLYKDIPAF
 DLVISGLSGLES LDISGHQRTLSGIDASTLP SLKAINISDNHFDLAQGTENRHILDITILAT
 LAKNGASTASF DKQKPKGLYPESYSTAPLHLQVGQKINVIDDLIFGTRTNQNTLINTENDF
 EAYKEQTIQ GKPFPIAPDYLYDNFKVSYKEYSASIVDSTLAETTDKTI DTAKAETYQVTVSNK
 DGKTVHSVKVIVGDEKPMNVNLAQDAKII GTDNMTQSAKVFDGQKDQFLLSWNKDSSVIFEL
 KTPGTAKHWRFFDDGKNDSVTLSVFKGDASNFEKDKAENWVEITKDSRKNDDKVFSSPLE
 VDNAKYLKVTIKKEAKYIYFNELQILGYPGVVAKKTADDLRPTEADKSDDKS DKNDEAK

[Fig. 11]

SEQ ID NO: 6 Endo-Si amino acid sequence

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 DLVISGLSGLESIDISGHQRDTLSGIDASTLPSLKAINISDNHFDLAQGTENRHILDTILAT
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 DGKTVHSVKVIVGDEKPMNVNLAQDAKII GTDNMTQSAKVFQGQKQFLLSWNKDSSVIFEL
 KTPGTAKHWRFFDDGKNDSVTLSVFKGDASNFEKDKAENWVEITKDSRKNDDKVFSSPLE
 VDNAKYLKVTIKKEAKYIYFNELQILGYPGVVAKKTADDLRPTEADKSDDKSCKNDTEAK

[Fig. 12]

SEQ ID NO: 7 Endo-Si amino acid sequence

MNKRLLVKRTFGCVCAAAITLGVAPLSHPTIVEAREELKMPNGLEQSIADVEAKIDALTYLSK
 NSKDEFKHSMEYIIPSNREHKPVSPKQALQNAKKADAQAERLAKMTIPKKEELKALEGPLYGG
 YFRTWQDKTSDPTETNKVNSFGELPKEVDLAFVFHDYTKDYSLFWEELATKQVPKLNKQCTR
 VIRTIPWRFLSGADHSDISADKEKFPNTEAGNKALAKAIVDEYVYKYNLDGLDIMERDSVP
 KVNDEKEDPEALARTVEVFKEIGKLI GANGADKSRLIMDTTYTAEENPLIKETAQYLNLLLV
 QVYGFSGENGNYLHHKNILDETSSMEGRWQGYSKYIRPEQYMGVGSFYEEKDFNNRWKDINE
 EDPSDPHIGEKIQGTRAERYAKWQPKTGGLKGGFLSYAIDRDGVAQPKQKTEHPELKDIVKS
 EYKVSALKKKLMMTDDQYQPIDQSDFPDKALRESIIKQVGTRRGDLERFKGTLRLDNPEIKD
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 DLVISGLSGLESIDISGHQRDTLSGIDASTLPSLKAINISDNHFDLAQGTENRHILDTILAT
 LAKNGASTASFQKQPKGLYPESYSTAPLHLQVGQKINVIDDLIFGTRTNQNTLINTENDF
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 KTPGTAKHWRFFDDGKNDSVTLSVFKGDASNFEKDKAENWVEITKDSRKNDDKVFSSPLE
 VDNAKYLKVTIKKEAKYIYFNELQILGYPGVVAKKTADDLRPTEADKSDDKSCKNDTEAK

[Fig. 13]

SEQ ID NO: 8 Endo-Si amino acid sequence

MNKRLLVKRTEFGVCVAAATLGVAPLSHPTIVEAREELKMPNGLEQSIADVEAKIDALTYLSK
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 YFRTWQDKTSDEPTETNKVNSFGELPKVDLAFVFHDYTKDYSLEWEELATKQVPKLNKQGTR
 VIRTIPWRFLSGADHSDISADKEKFPNTEAGNKALAKAIVDEYVYKYNLDGLDIEIERDSVP
 KVNDEKEDPEALARTVEVFKEIGKLI GANADKSRLIMDTTYTAEENPLIKETAQYLNLLLV
 QVYGFSGENGNYLHHKNILDETSSMEGRWQGYSKYIRPEQYMGVGFSEYEEKDFNNRWKDINE
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 EAYKEQTIQGGKPFIAFDYLYDNFKVSYKEYSASIVDSTLAETTDKTI DTAKAETTYQVTVSNK
 DGKTVHSEVKVIVGDEKPMNVNLAQDAKIIGTDNMTQSAKVFDGQKQDQFLLSWKNKSSVIFEL
 KTPGTAKHWRFFDDGKNDSVTLSEFKGDASNFETEKDKAENWVEITKDSRKNDDKVFSSPLE
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[Fig. 14]

SEQ ID NO: 9 Endo-Si amino acid sequence

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 YFRTWQDKTSDEPTETNKVNSFGELPKVDLAFVFHDYTKDYSLEWEELATKQVPKLNKQGTR
 VIRTIPWRFLSGADHSDISADKEKFPNTEAGNKALAKAIVDEYVYKYNLDGLDIEIERDSVP
 KVNDEKEDPEALARTVEVFKEIGKLI GANADKSRLIMDTTYTAEENPLIKETAQYLNLLLV
 QVYGFSGENGNYLHHKNILDETSSMEGRWQGYSKYIRPEQYMGVGFSEYEEKDFNNRWKDINE
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 EYKVS KALKKLMMTDDQYQPIDQSDFFDKALRESIIKQVGTTRGDLERFKGTLRLDNPEIKD
 LTGLNKLKRVAKLELINLPKITKIDKDDLPQNLKPLTDNQKSNLEIKGTYYDSKLYKDIPAF
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 DGKTVHSEVKVIVGDEKPMNVNLAQDAKIIGTDNMTQSAKVFDGQKQDQFLLSWKNKSSVIFEL
 KTPGTAKHWRFFDDGKNDSVTLSEFKGDASNFETEKDKAENWVEITKDSRKNDDKVFSSPLE
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[Fig. 15]

SEQ ID NO: 10 Endo-Si amino acid sequence

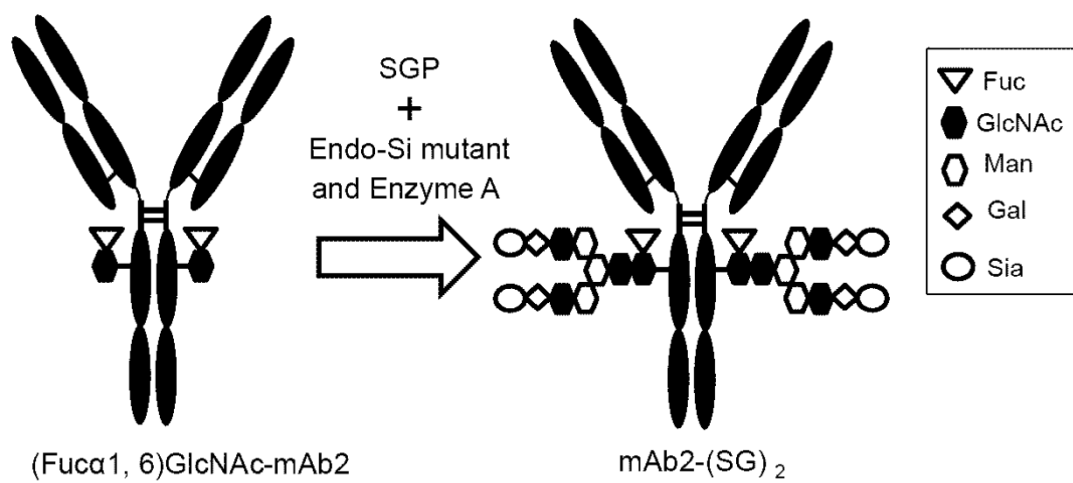
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 DGKTVH SVKVI VGD EKPMMVNLAQDAKII GTDNMTQSAKVFDGQKDQFLLSWNKDSSVIFEL
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[Fig. 16]

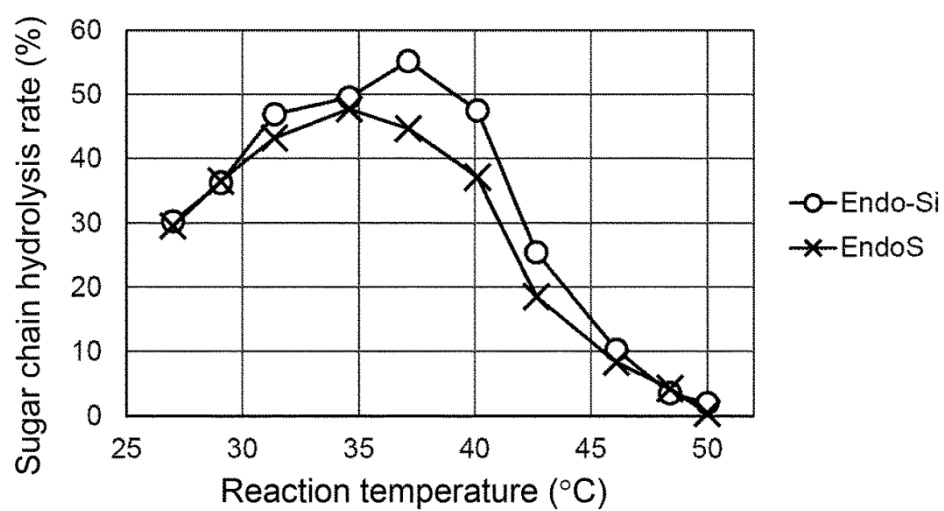
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 KVNDKEDPEALARTVEVFKEIGKLIGANGADKSRLIMDTTYTAEENPLIKETAQYLNLLLV
 QVYGFSGENGNYLHHKNILDETSSMEGRWQGYSKYIRPEQYMGVGSFYEEKDFNNRWKDINE
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 KTPGTAKHWRFFDDGKNDSVTL SVFKGDASNFETEKDKAENWVEITKDSRKNDDKVFS SPLE
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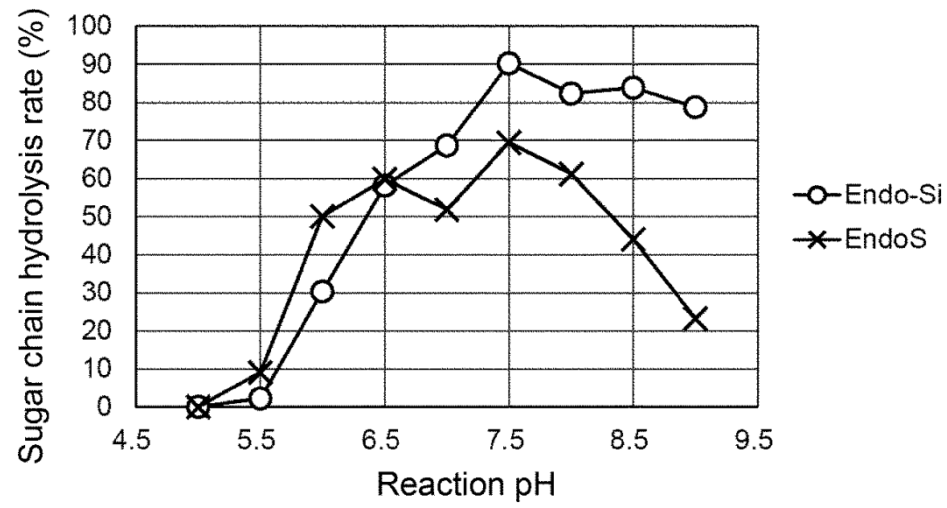
[Fig. 17]



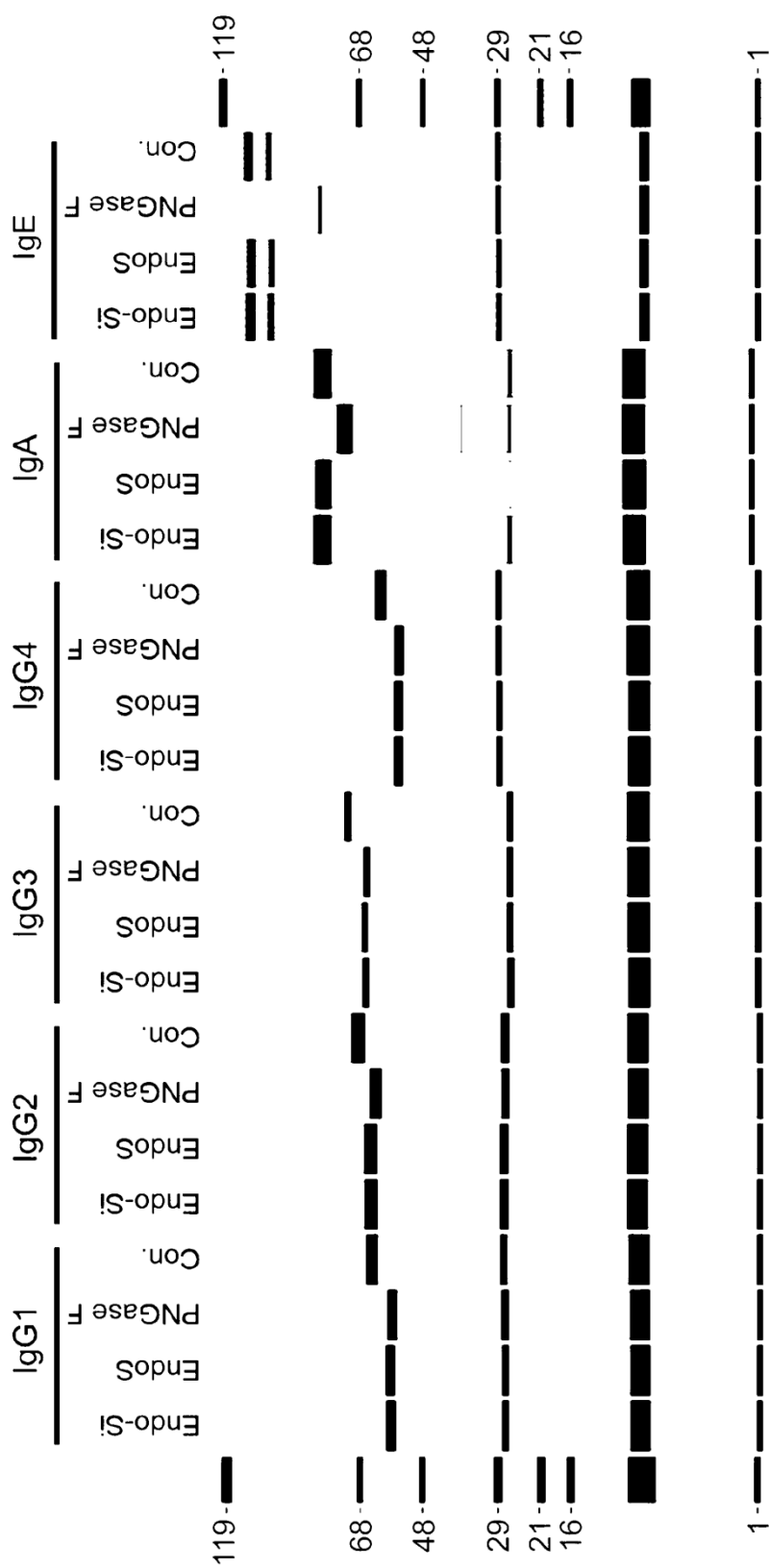
[Fig. 18]



[Fig. 19]



[Fig. 20]



[Fig. 21]

[Fig. 22]

