

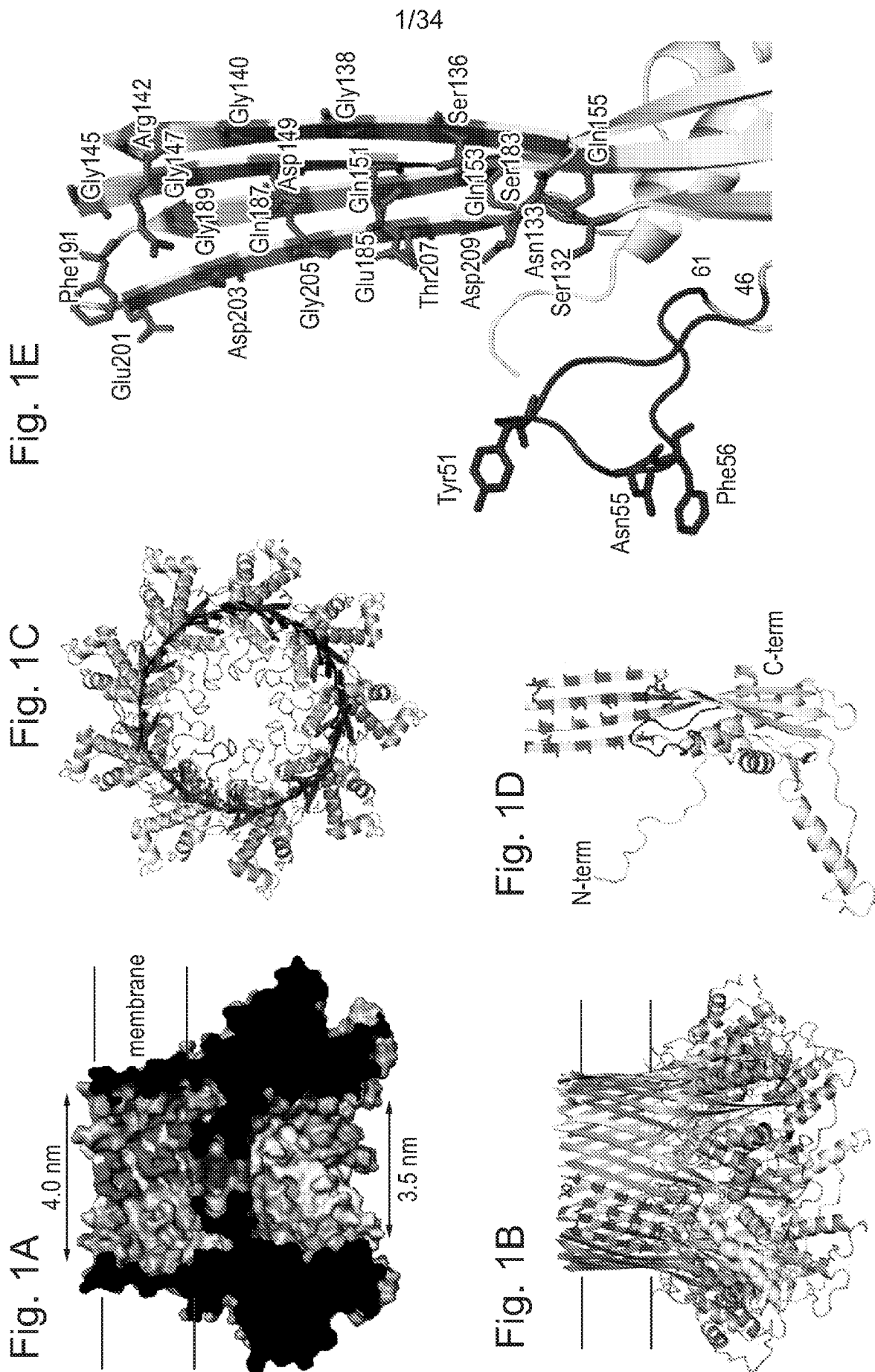


Fig. 2A

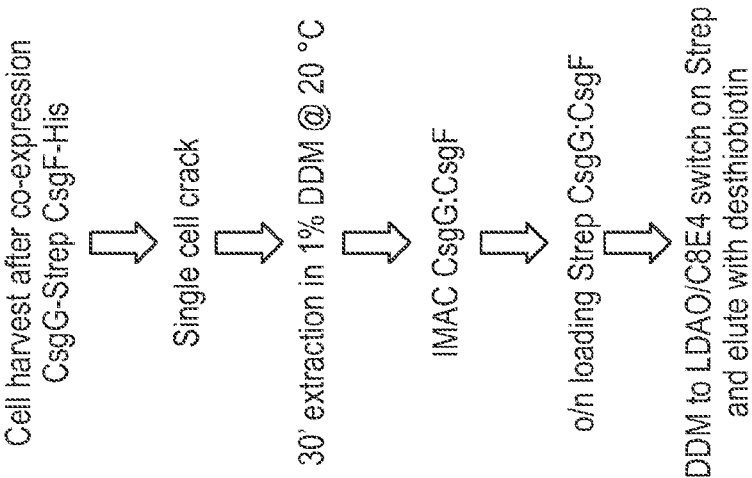
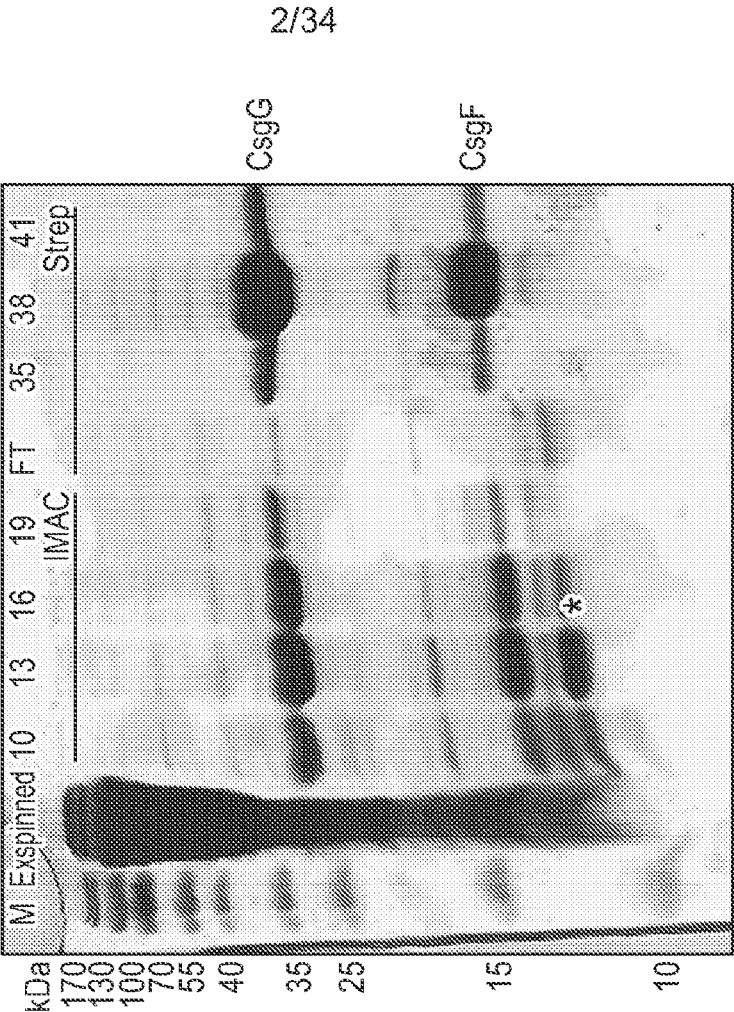


Fig. 2B



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Fig. 3A

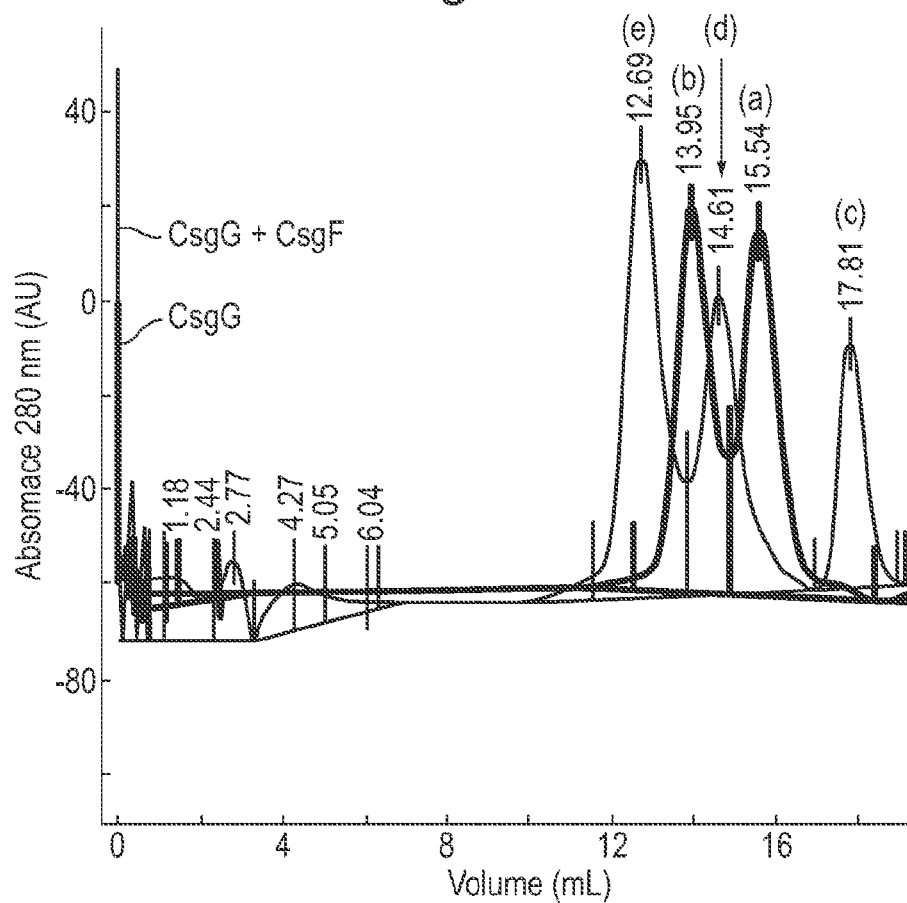
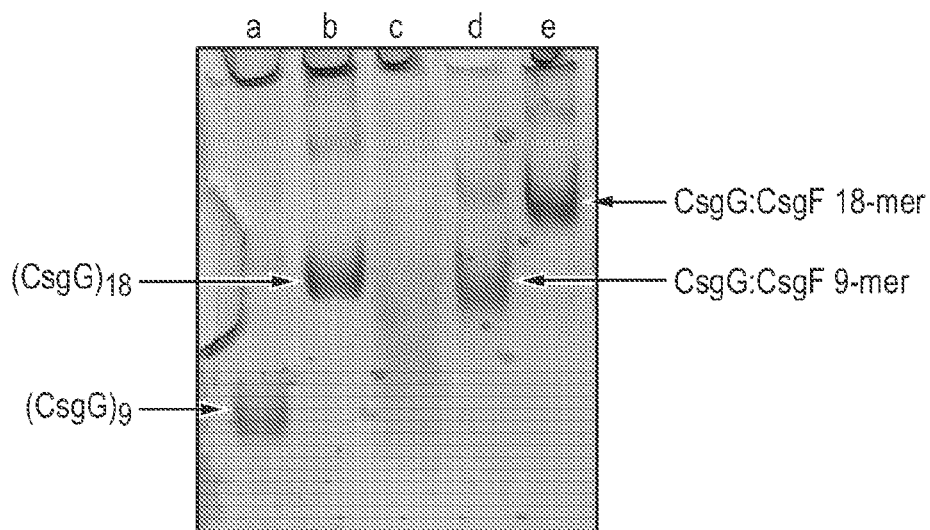


Fig. 3B



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Fig. 3C

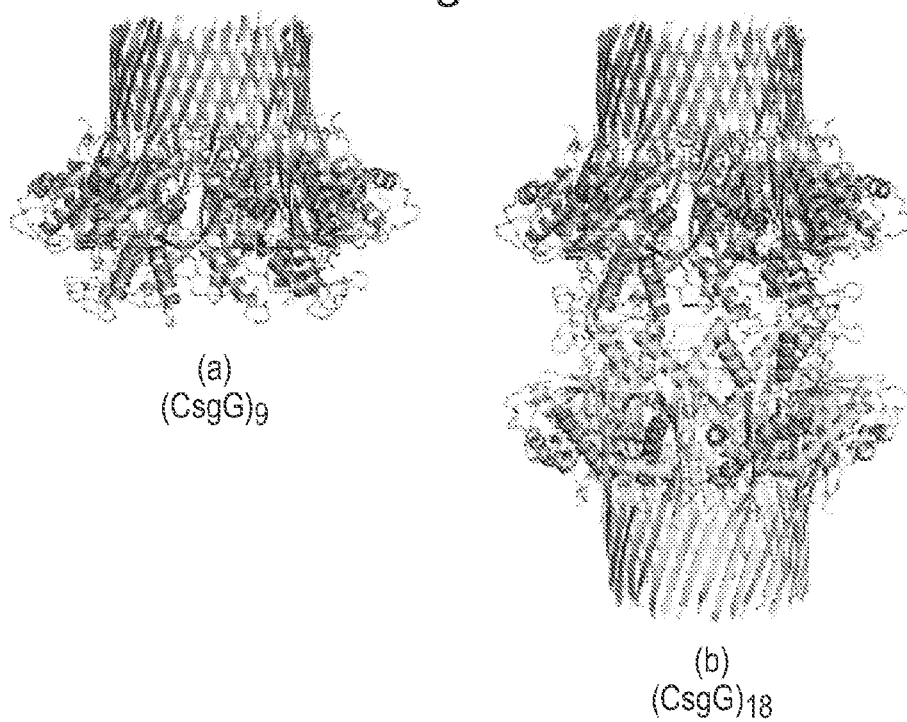
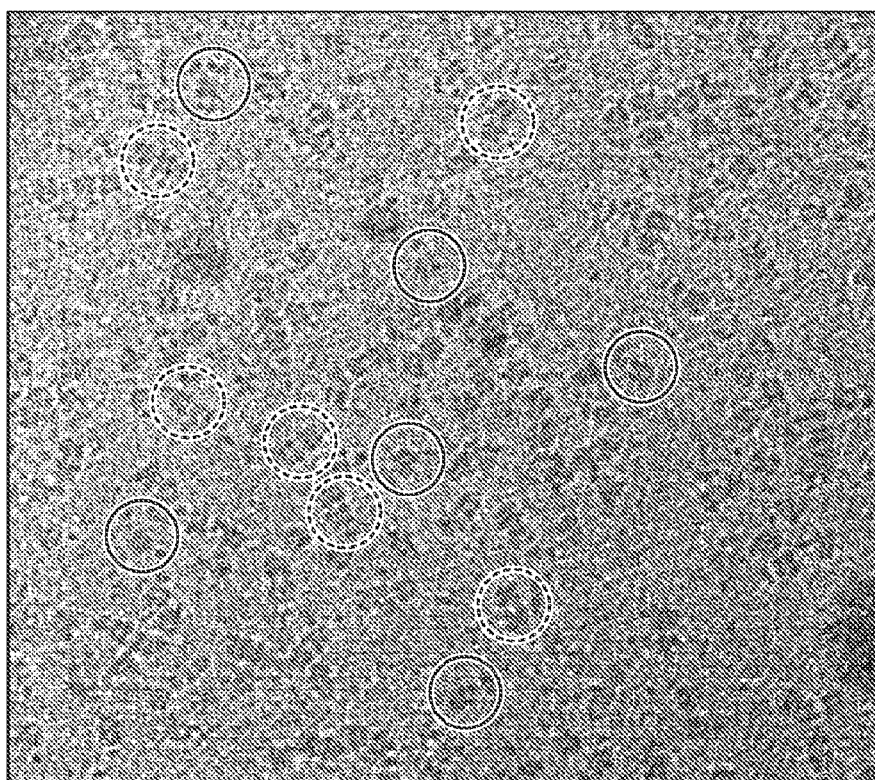


Fig. 4A

○ CsgG:CsgF 18-mer ○ CsgG:CsgF 9-mer



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Fig. 4B

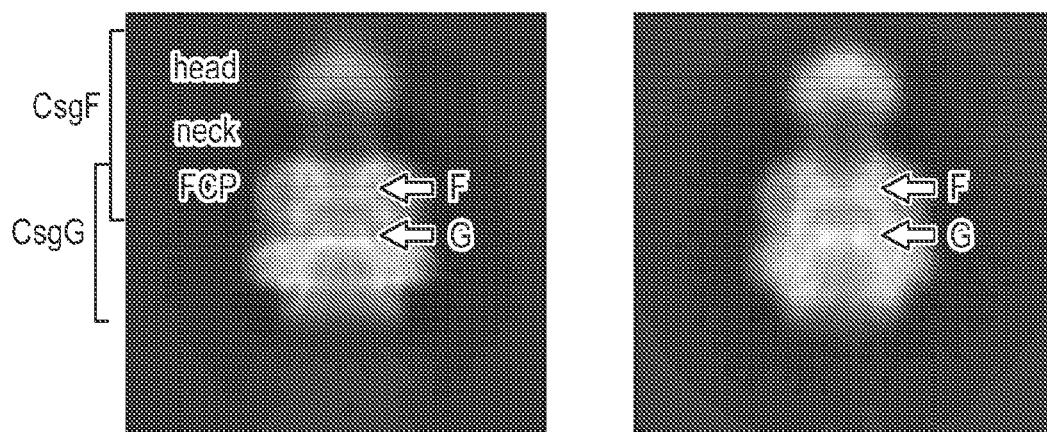
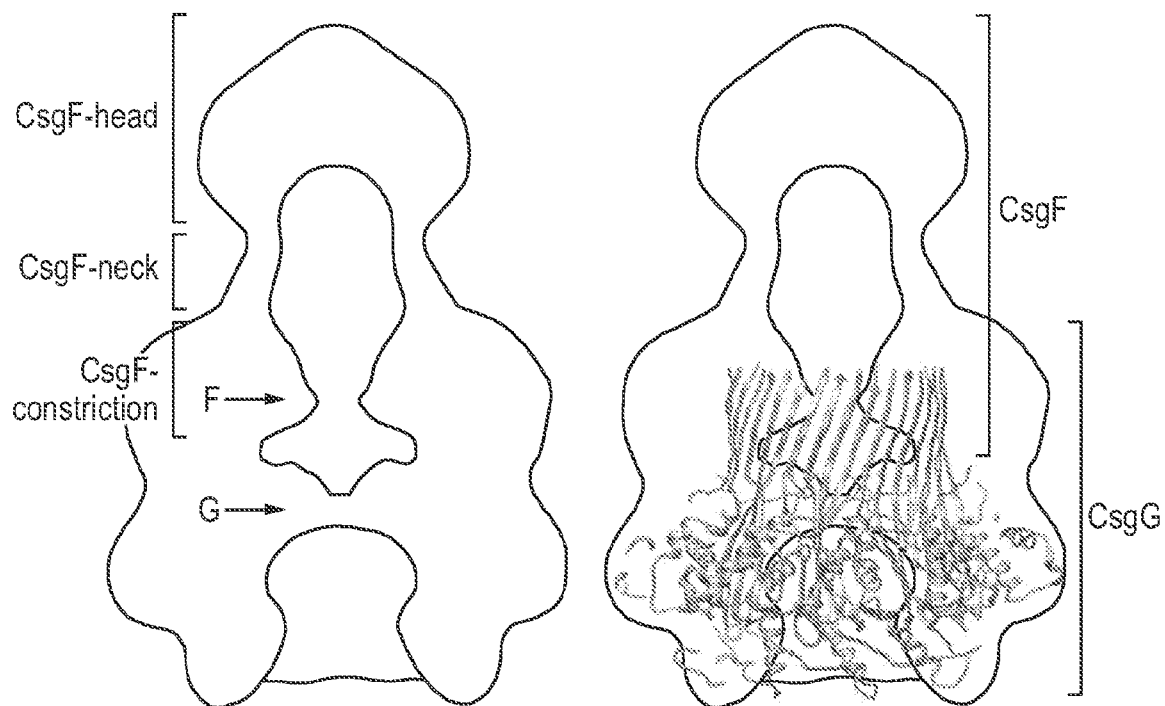


Fig. 5



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Fig. 6A

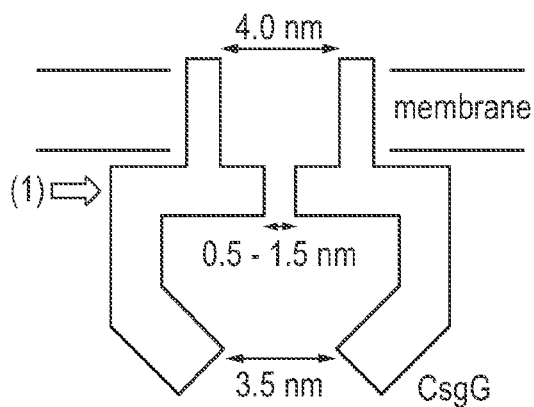


Fig. 6B

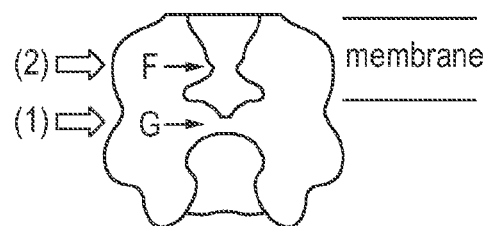


Fig. 6C

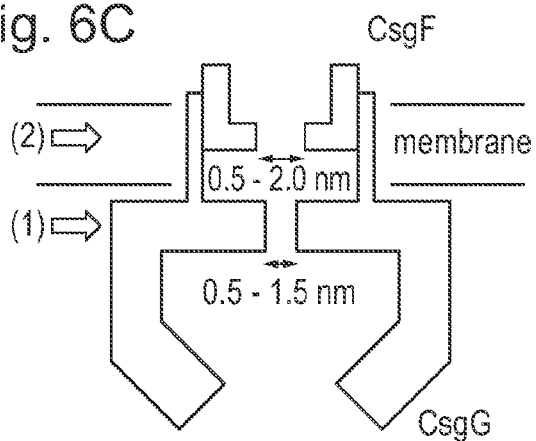


Fig. 7A

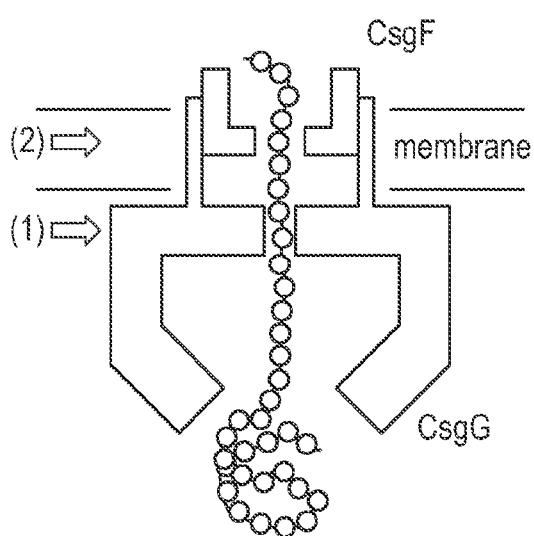


Fig. 7B

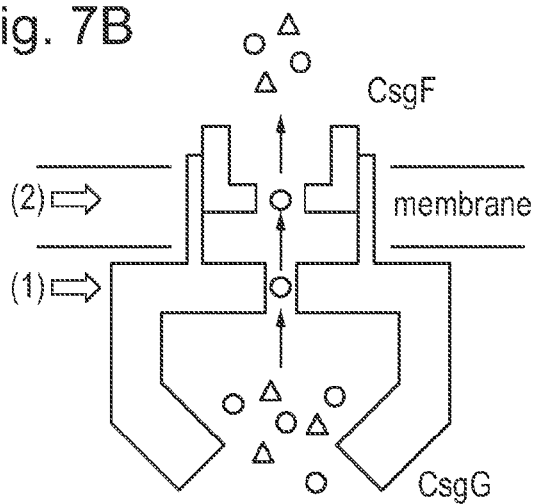
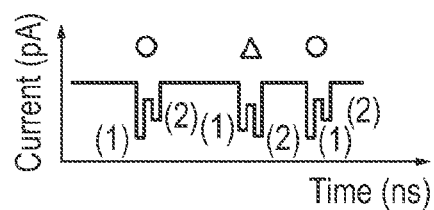


Fig. 7C



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Fig. 8

CsgF constriction peptide (FCP)

	1	10	20	30	40	50	60	70	80	90	100	110	120	130
Q1R0R3_E.coli	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
Q08H88_PSEPK	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
A0R143H_A00_96RHH	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
Q08245_VIBF1	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
Q084E5_SHEFW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
Q42142_SHEV0	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
M21Y1_9P5ED	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
F04202_VIBFW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
H70RVS_96RHH	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
A0R136H00_98R1E	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
A0R041SRL3_96RHH	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
F32054_DESHF	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
B0R001_METS4	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
Q08H85_PSEUW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
A0R052E1P7_96H12	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
E31121_080V1	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
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D20P18_5P110	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
D20192_5P110	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW
Consensus	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW	GLVTPVWVW

131 140 150 160 170 177

Q1R0R3_E.coli

Q08H88_PSEPK

A0R143H_A00_96RHH

Q08245_VIBF1

Q084E5_SHEFW

Q42142_SHEV0

M21Y1_9P5ED

F04202_VIBFW

H70RVS_96RHH

A0R136H00_98R1E

A0R041SRL3_96RHH

F32054_DESHF

B0R001_METS4

Q08H85_PSEUW

A0R052E1P7_96H12

E31121_080V1

A0R1761782_9F1A0

A0R1670182_9F1A0

D20P18_5P110

D20192_5P110

Consensus

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

GLVTPVWVW

CsgF (PFAM: PF10614)

SP	FCP
----	-----

Fig. 9A

CsgF 1-27: GTMTFQFR
CsgF 1-38: GTMTFQFRPNFGGNPNG
CsgF 1-48: GTMTFQFRPNFGGNPNGAFLLSAQAAQ
CsgF 1-64: GTMTFQFRPNFGGNPNGAFLLSAQAAQSYKDPSYNDDFGIET

Fig. 9B

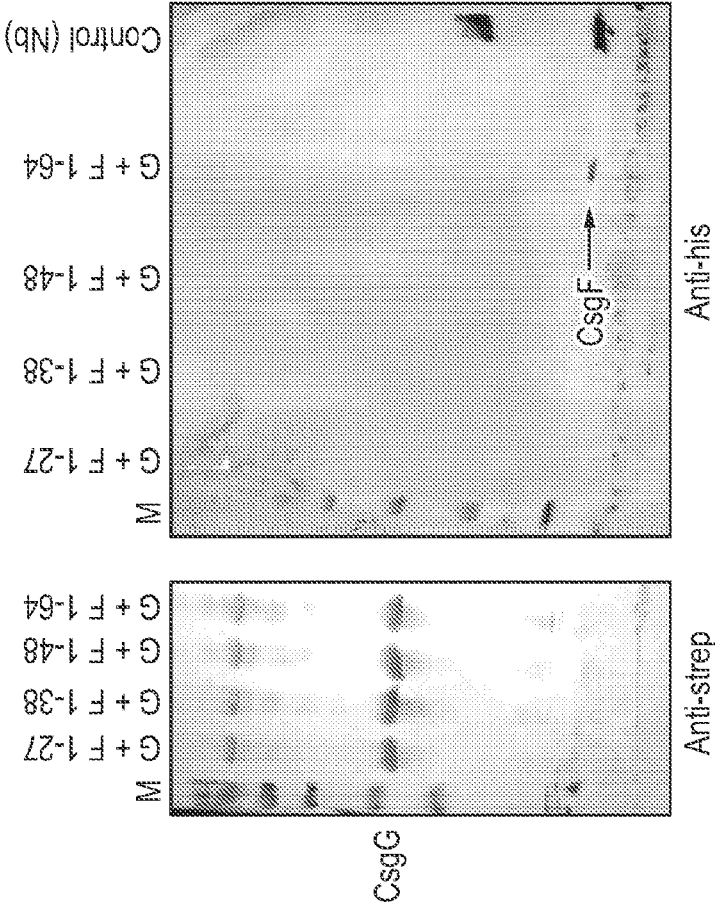
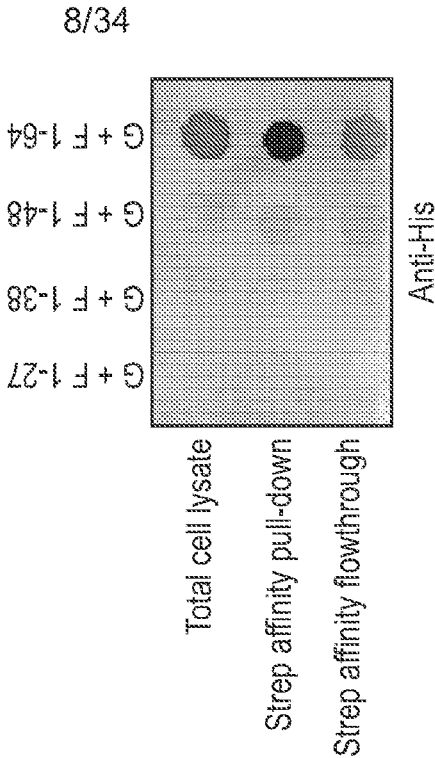


Fig. 9C



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Fig. 10

	1	10	20	30	36
CsgF_E.coli_Ref/1-35	GTATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
Q32HP1_SHTDS/20-54	GTATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
C5GF_ECOLI/20-54	GTATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
NR00G3Q0A9_K1JIN/20-	GTATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
D2TT45_CITR1/20-54	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
NR00I9Y954_SALET/20-	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
C5GF_SALET/20-54	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
G5L087_SALET/20-54	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
N1FW01_ECOLX/10-44	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
NR00I44_CITK0/20-54	GNATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
N5V122_ESCNE/20-54	GNATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
NR00F0X551_SENTR/20-	GNATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
NR0090V4T0_ESCVU/20-	GNATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
R4W953_ENT38/20-54	GSATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
N6.E223_SENTR/20-54	GTATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
NR00L0G54_SENTR/20-	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
NR0089UKT1_SENTR/20-	GNATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
NR00R2V0A8_DE00H/21-	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
I29CG0_SHTC/26-60	GNATTFQFRNPFEG--MFWNGTYLLNSQQAQNSYKDP				
N2J0K9_RN00C/26-60	GNATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
I00V43_9G00H/20-54	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
NR0037R303_HAFIL/20-	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
NR0083H6T6_9G00H/20-	GNATTFQFRNPFEG--MFWNGSFLLSQQAQNSYKDP				
NR0083HTK1_SENTR/20-	GNATTFQFRNPFEG--MFWNGAFLLNSQQAQNSYKDP				
R8R0X1_PLESH/21-55	SPLTYQPVNPFEG--MPLNGSYLLNSQQAQNSYKDP				
L0MF32_9G00H/19-53	SELVYTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
NR00B6_9PSEB/23-57	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
nrhd:R3224_03676	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
NR0143HJ00_9G00H/25-	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
NR00X3U3W9_9G00H/25-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
ppg:PulG01_2464	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
Q00H00_PSEPK/23-57	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
S6A16_PSEFE/22-56	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR0077F0K5_9PSED/25-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR0020HEE6_PSEK0/21-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR00H1YJ02_9PSED/25-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR00H1YF00_9PSED/26-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
N8Q4J4_PSEST/25-59	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
R47NF3_PSEU5/25-59	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
NR00030570_9PSED/26-	SELVYTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
N2IYT1_9PSED/26-60	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
NR00C2C021_9G00H/19-	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
NR000005L1_9G00H/29-	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
N1ZTX9_9G00H/23-57	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
K4KIT7_STHNS/19-53	SELVYTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR0000L552_9PSED/24-	SELVYTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR0001H12_9G00H/20-	SELVYTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
pie:PI2015_3301	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
Q3ID63_PSEHT/10-52	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR00H1E5L1_9G00H/19-	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
NR00F4PYCL_9G00H/19-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR00F4QNN0_9G00H/20-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR00F4P537_PSE07/25-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
NR00F6A8P5_9G00H/19-	TELYTTPVNPSEEG--MPLNGTYLLNSQQAQNSYKDP				
R4C980_9G00H/26-60	SELVYTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
NR00A7ENP6_9G00H/21-	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
U1K174_9G00H/19-53	SELVYTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
anad:IE36_15905	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
NR0136H0R0_9ALIE/26-	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
K00465_ALIHS/26-60	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
K2R70_9G00H/10-52	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
ilo:IL0157	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
Q5Q0H1_ILILO/20-54	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
NR00419RL3_9G00H/21-	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
NR00H2V1H7_9G00H/19-	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
T10YJ3_9G00H/18-52	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
NR0101H636_9G00H/18-	TELYTTPVNPSEEG--MPLNGSYLLNSQQAQNSYKDP				
K6K022_SHEHE/23-57	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
R1K0U7_SHEHE/20-54	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				
D4ZCF0_SHEHE/25-59	TELYTTPVNPSEEG--SPLNGSYLLNSQQAQNSYKDP				

SUBSTITUTE SHEET (RULE 26)

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Fig. 10
(Cont. II)

	1	10	20	30	36
cdk:HEB134_03514	QQLVYTPKINP	AFGG-SFNYQAL	QSSNDAQNSFTD		
I3C6C6_9FLA0/19-53	QQLVYTPKINP	AFGG-SYNYQAL	QSSNDAQNSFED		
AOA0515863_9FLA0/19-	QQLVYTPKINP	AFGG-TFNYQAL	QSSNDAQNSFTE		
R3K_R9_LEEEN/19-53	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
H28548_9FLA0/19-53	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA14231H4_9BACT/16-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA126PE28_9BACT/23-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA176T7H2_9FLA0/21-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA108RPG0_9FLA0/22-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA093XPH7_9FLA0/4-3	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
F4A4L6_DOR34/20-54	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
B7V5F4_9SPNT/25-59	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA085B721_9FLA0/20-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA053FPH7_9FLA0/19-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0KSD274_9FLA0/20-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
CGK552_FLAB3/19-53	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
H6E1H1_9BACT/20-54	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
H0V422_9FLA0/24-50	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
Q2GFL9_FLAB0/14-40	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA090Q108_9FLA0/26-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
I3Y5F1_AE050/22-56	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
F6G.M9_LAC55/20-54	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0C10887_9FLA0/20-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
L8.M69_9BACT/23-57	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0238H6_9FLA0/21-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA163H184_9FLA0/21-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
H7F420_9FLA0/19-53	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA167UJH2_9FLA0/20-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0955NF6_9FLA0/19-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0955I10_9FLA0/19-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AS7HE7_FLAJ1/20-54	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0932BR3_9FLA0/20-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
sl:511n_4729	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
B2OPF8_5PIL0/14-40	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
IOK153_9BACT/22-56	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
B2Q192_5PIL0/21-55	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
I2GP04_9BACT/22-56	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
JOL816_9BACT/25-59	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA003L139_9BACT/21-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0E32FY6_9BACT/25-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0H4VH2_9BACT/24-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0H0K0R6_9BACT/22-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0H0E1N3_9BACT/25-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
H8E1E8_9BACT/21-56	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0A7LH37_9BACT/27-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0E9LH3_9BACT/31-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0C1YK6_9CYAN/24-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
X5E2V9_9BACT/20-54	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA167ERT0_9FLA0/19-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
psf:PSE_4346	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
GOPUY5_PSEUY/7-41	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
AOA0940QEG_9RHI2/39-	QQLVYTPKINP	AFGG-IFNYQAL	QSSNDAQNSFED		
Consensus	..lv%.p.NP.FGG .p.N...91..9.ewr.....				

CsF "FCP"

Fig. 11A

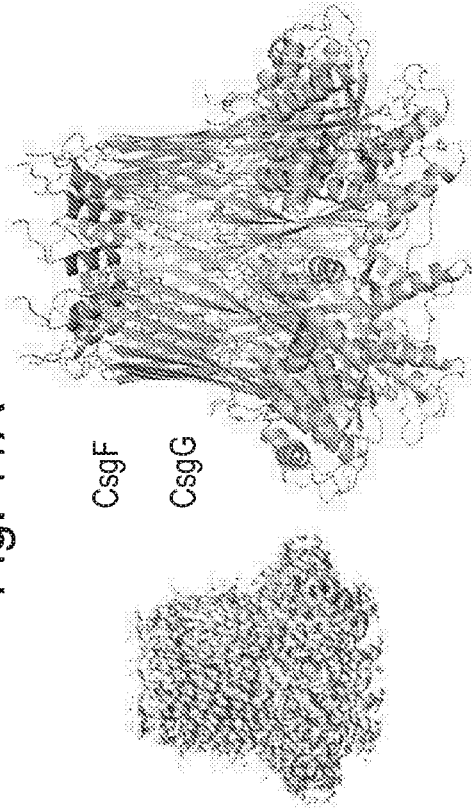
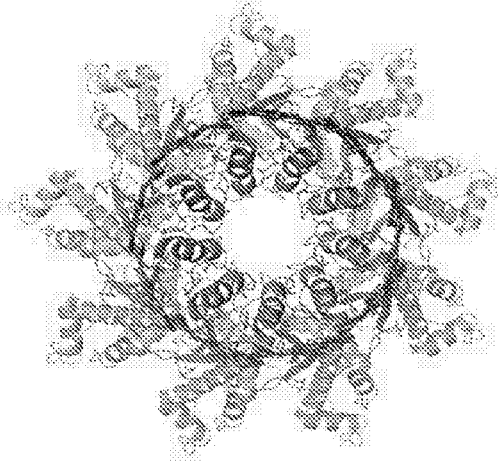


Fig. 11B



CsgG:CsgF 9:9

Fig. 11C

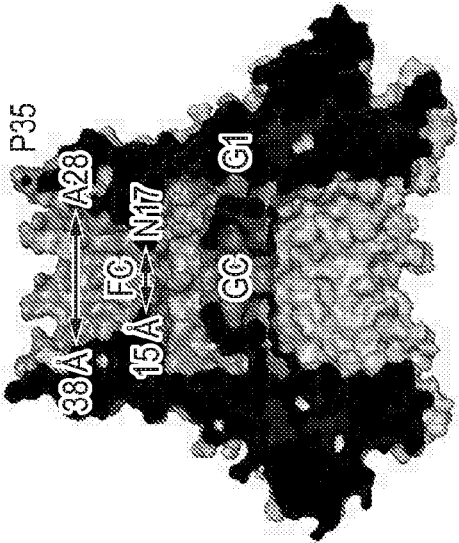


Fig. 11D

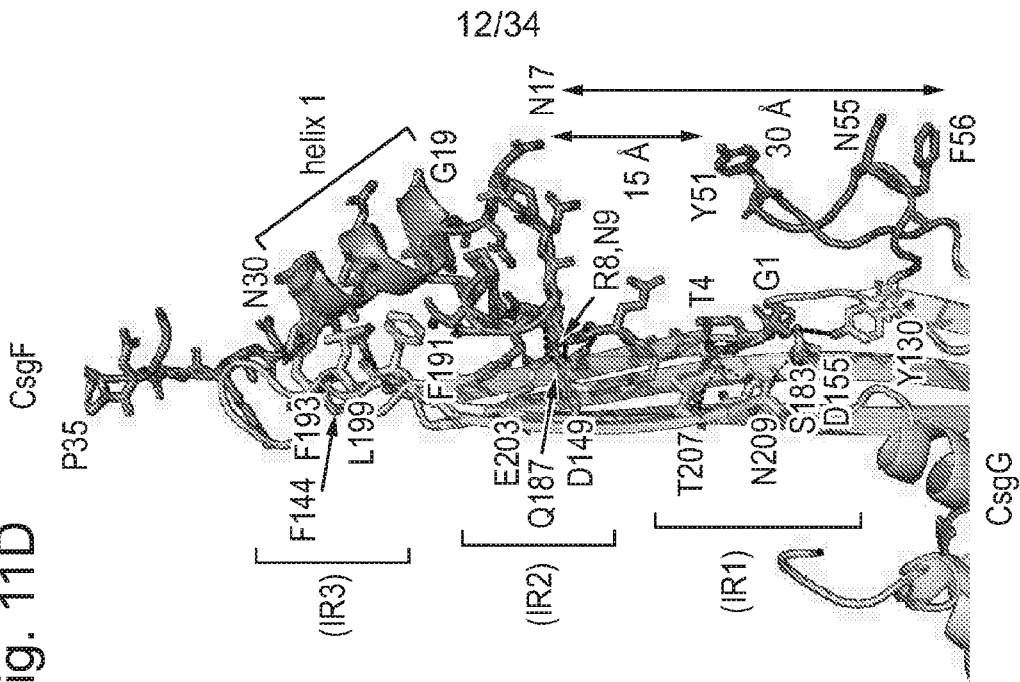
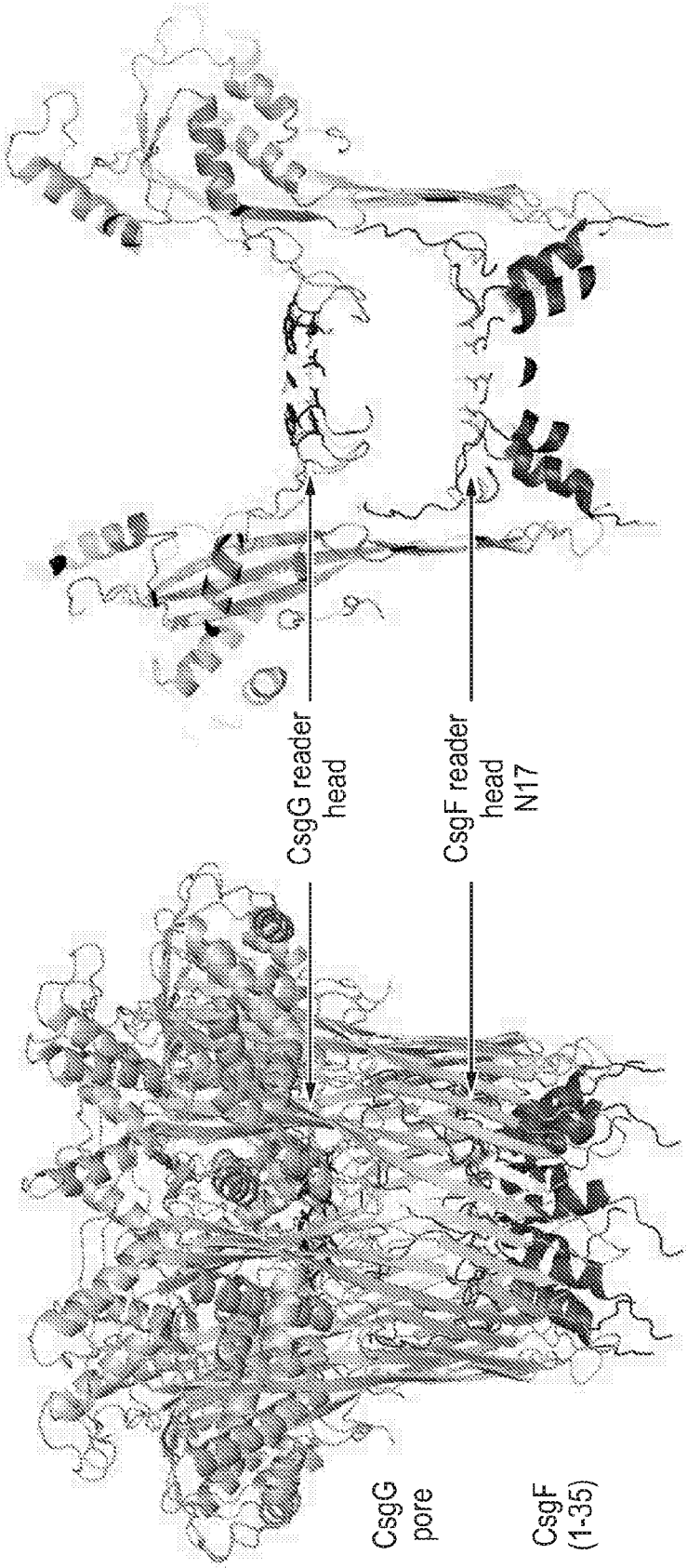


Fig. 12



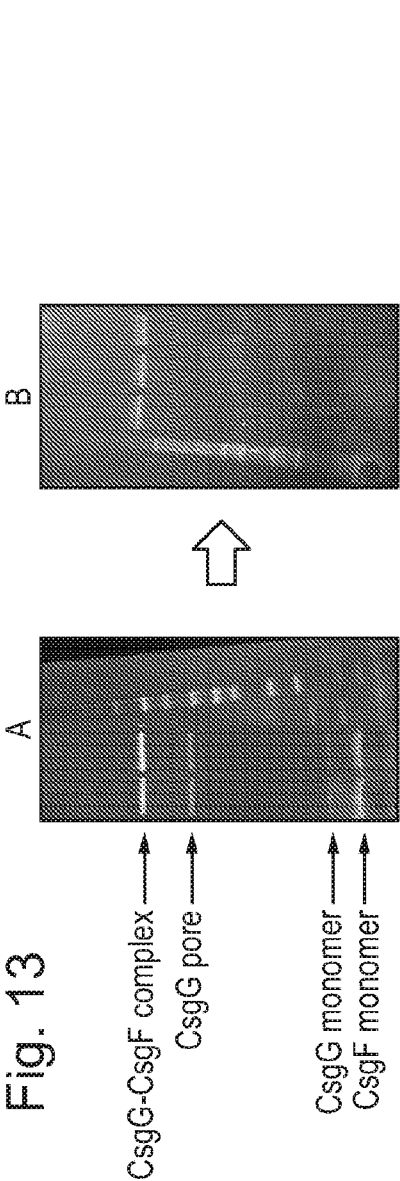
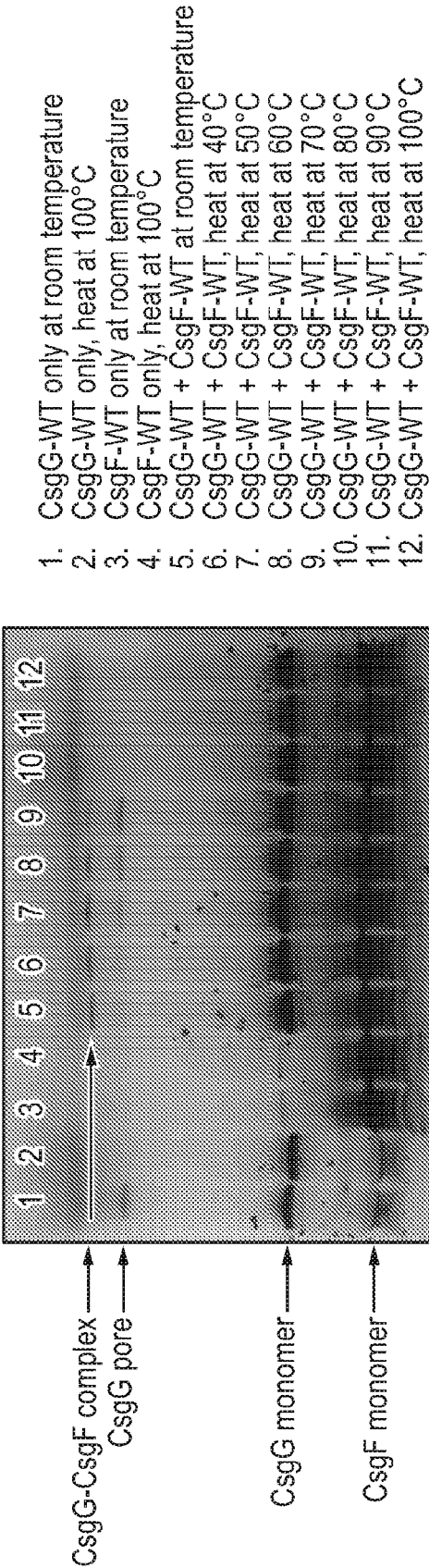


Fig. 14



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Fig. 15A

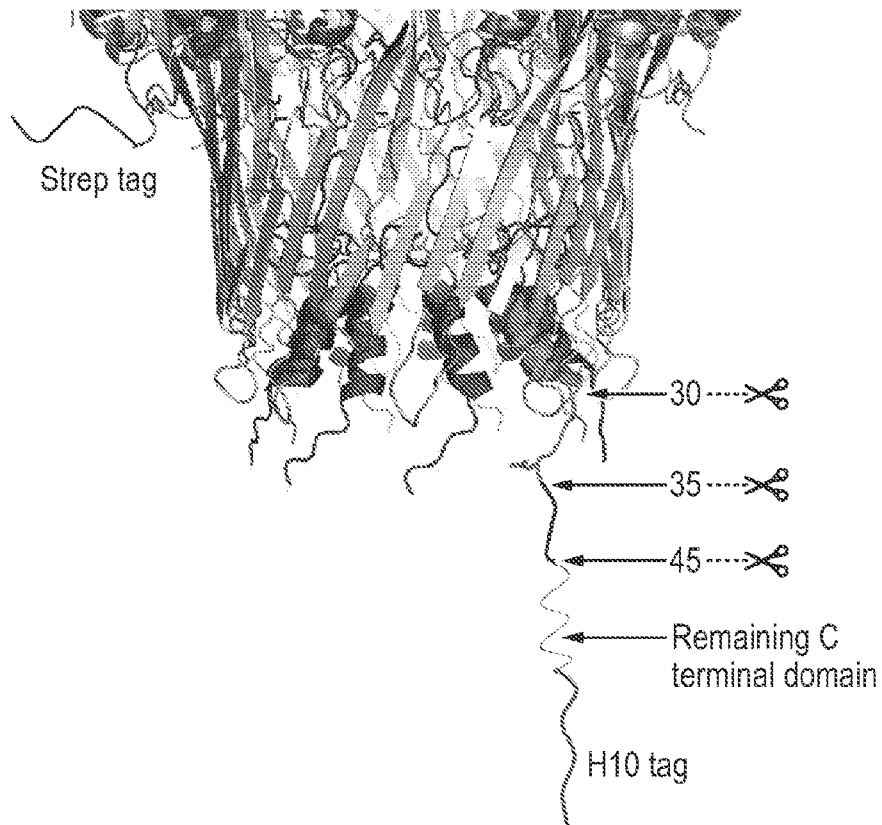


Fig. 15B

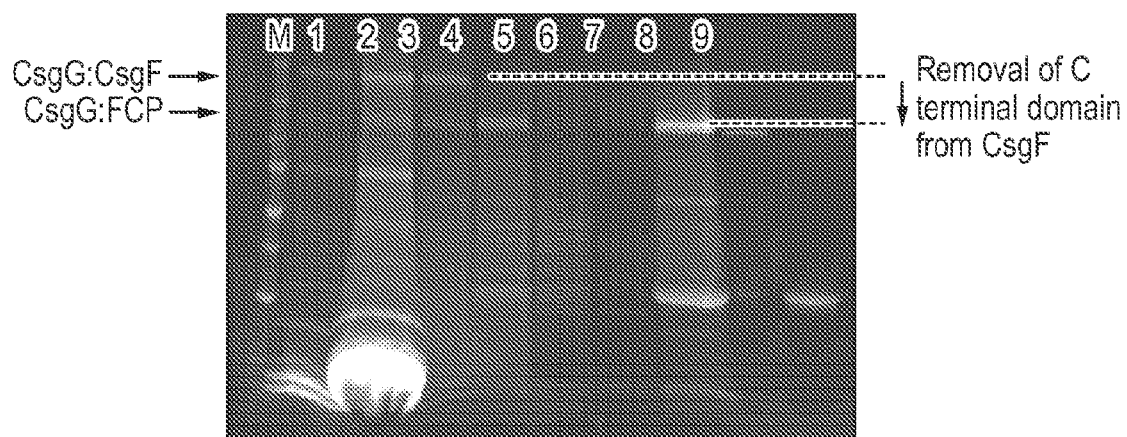


Fig. 16A

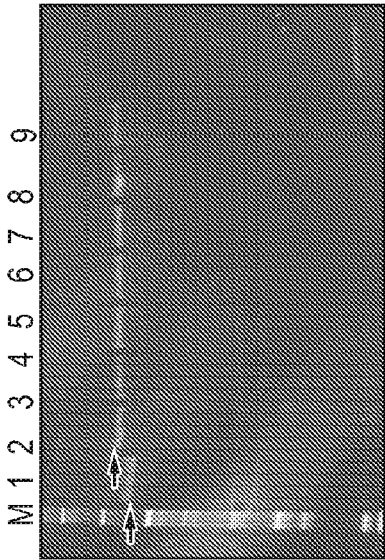


Fig. 16B

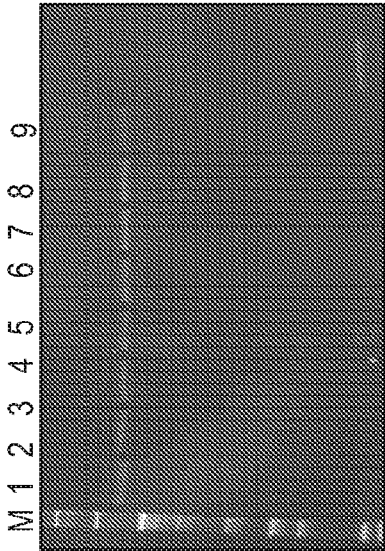


Fig. 16C

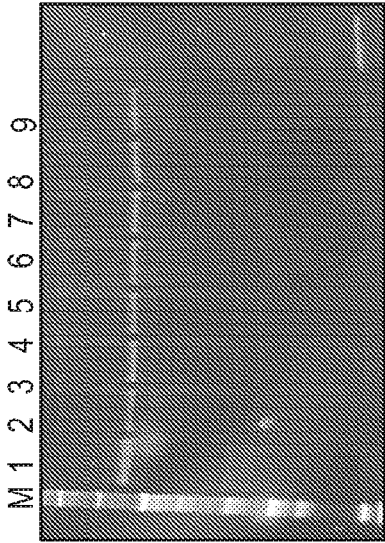
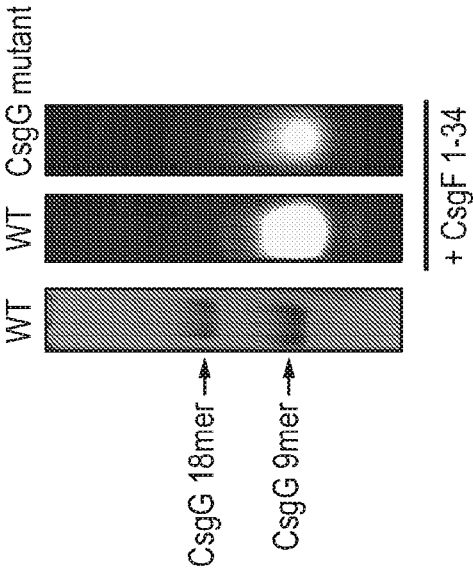


Fig. 17

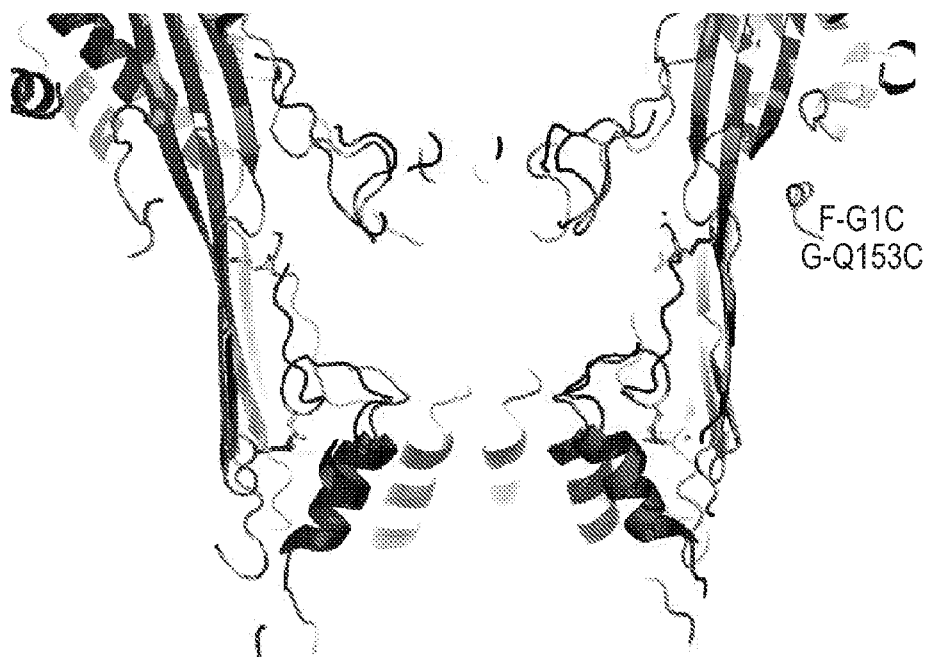


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Fig. 18A

CsgG res#	CsgF res#
Q153C	G1C
N133	T4
S136	F5
Q187	R8
E203	R8
E203	N9
R142	N11
E201	N11
D149	F12
E203	F12
F191	A26
F144	Q29

Fig. 18B



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Fig. 19A

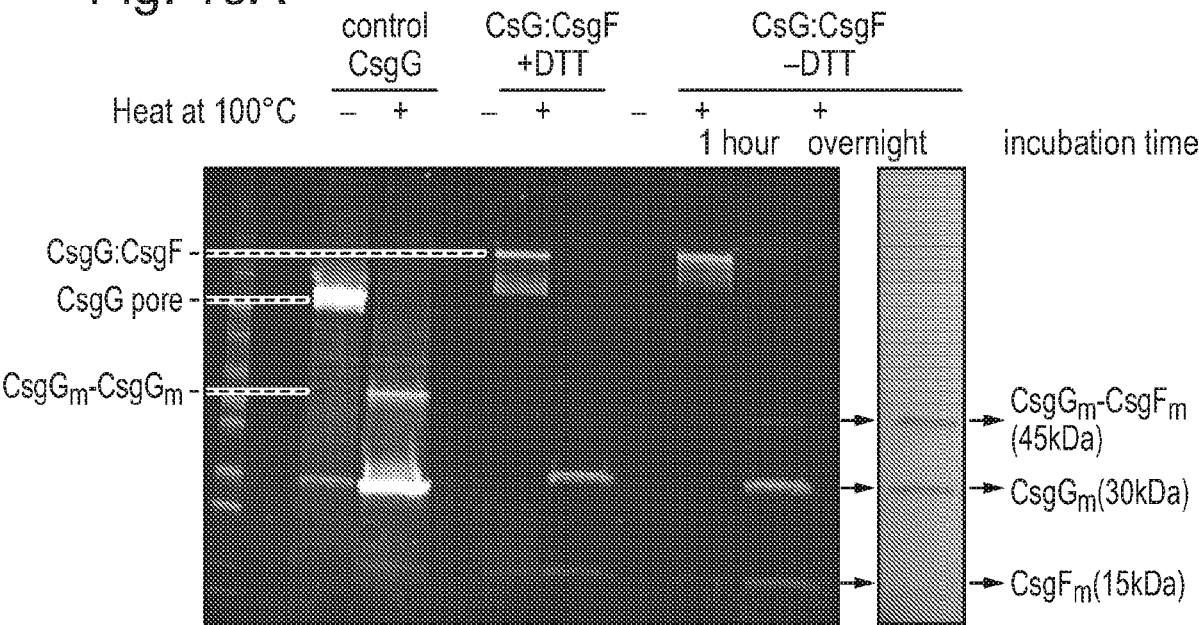
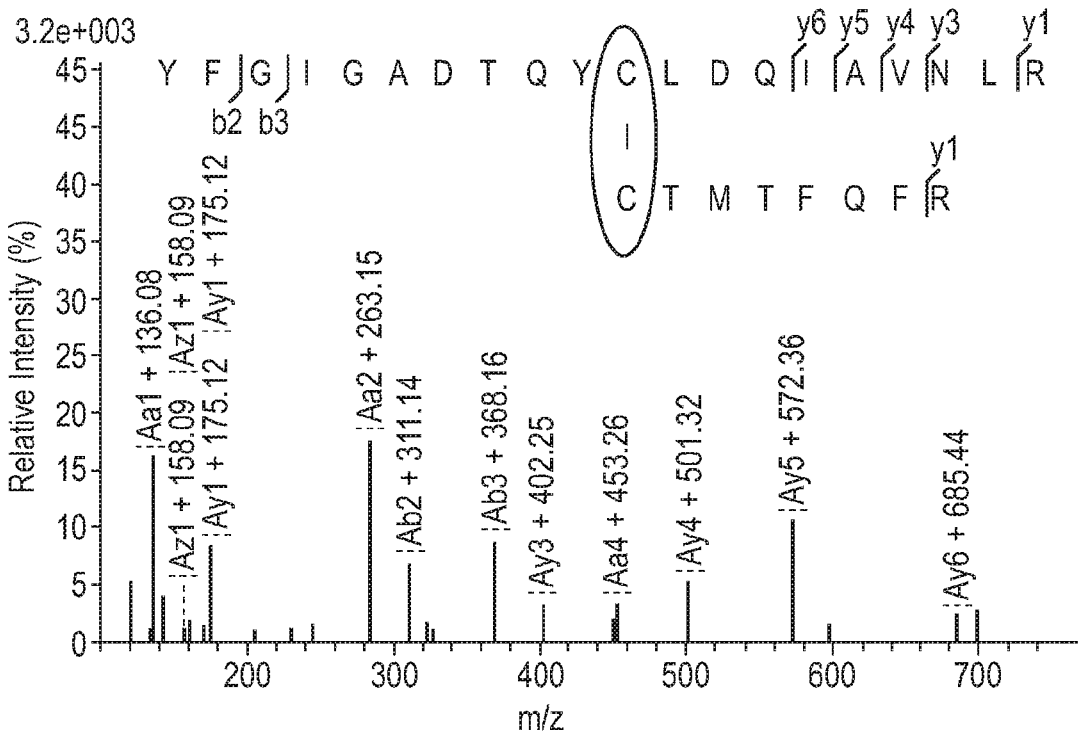


Fig. 19B

MS analysis of the S-S complex

Seq: YFGIGADTQYCLDQIAVNLR-CTMTFQFE Score: 6.86e-005



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Fig. 20

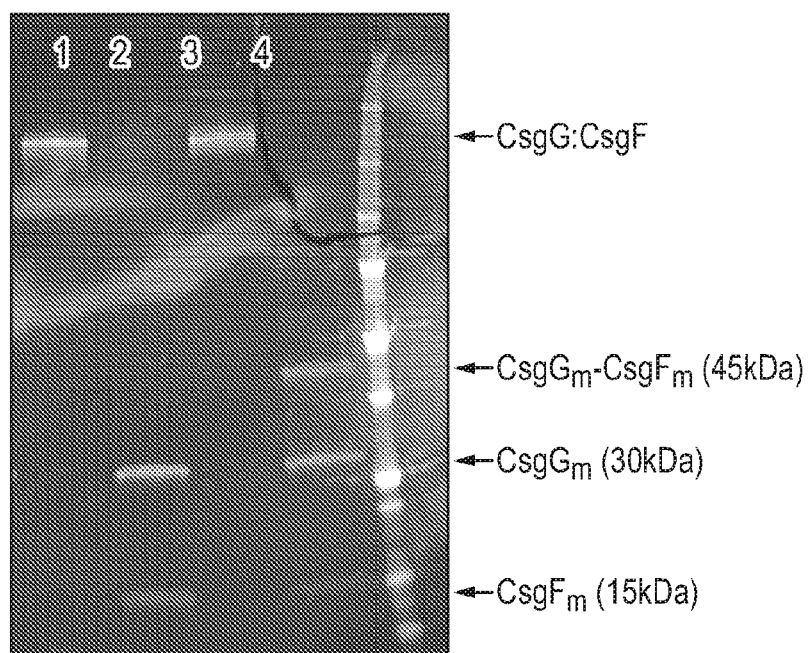


Fig. 21A

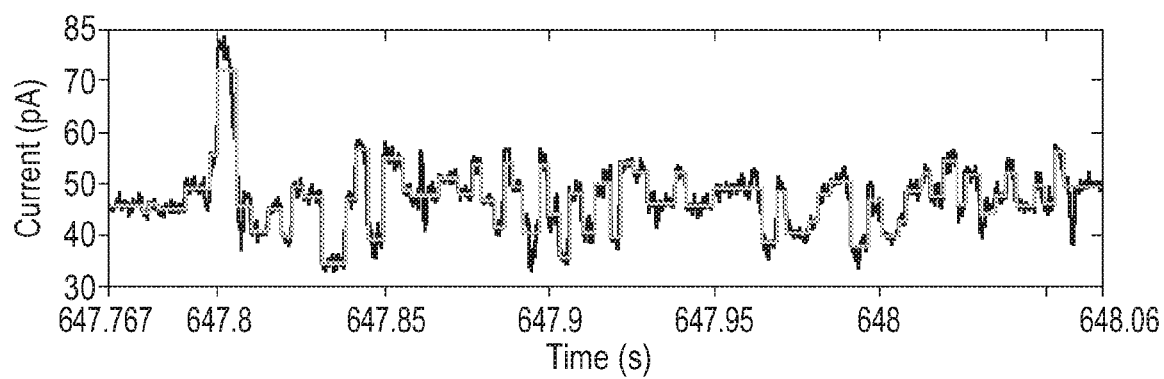
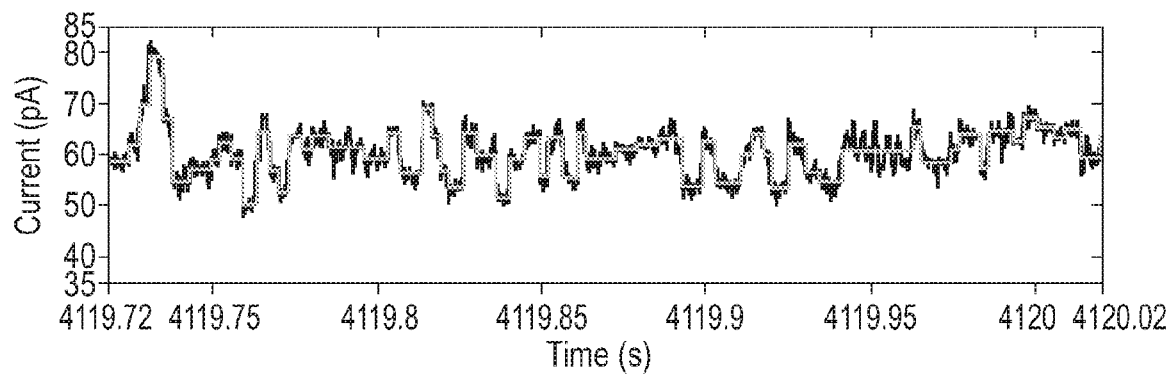


Fig. 21B



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Fig. 22A

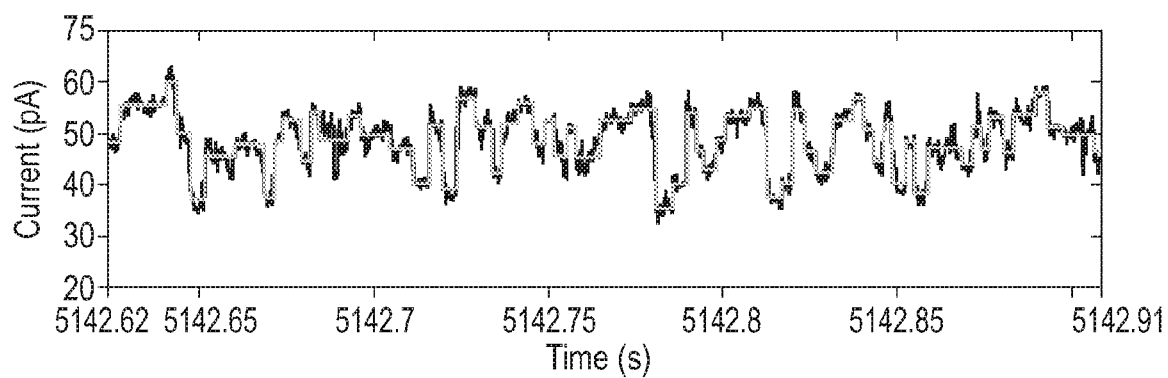
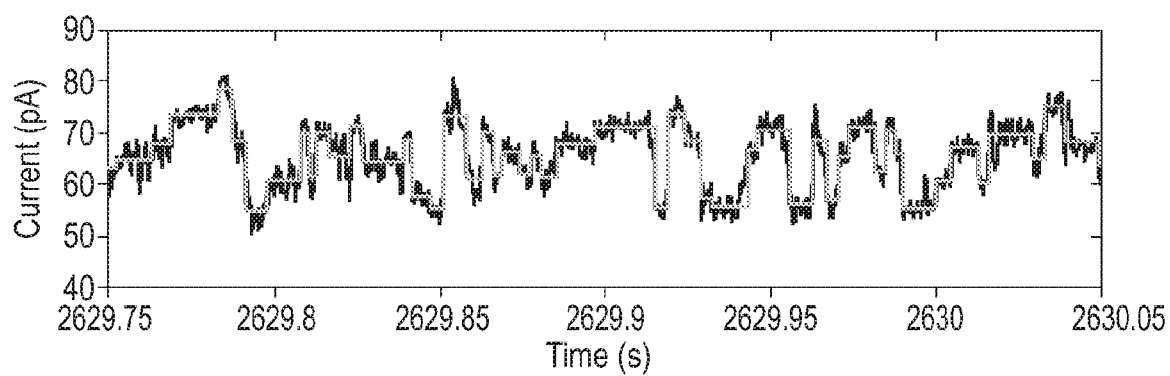


Fig. 22B



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Fig. 23A

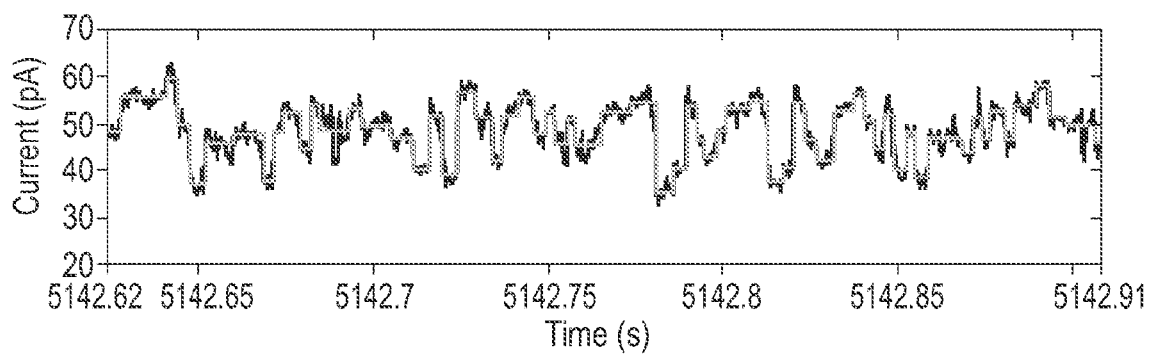


Fig. 23B

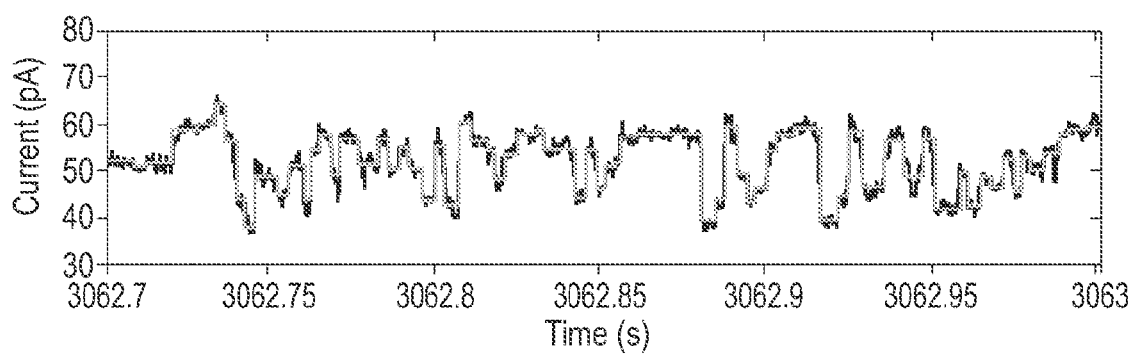
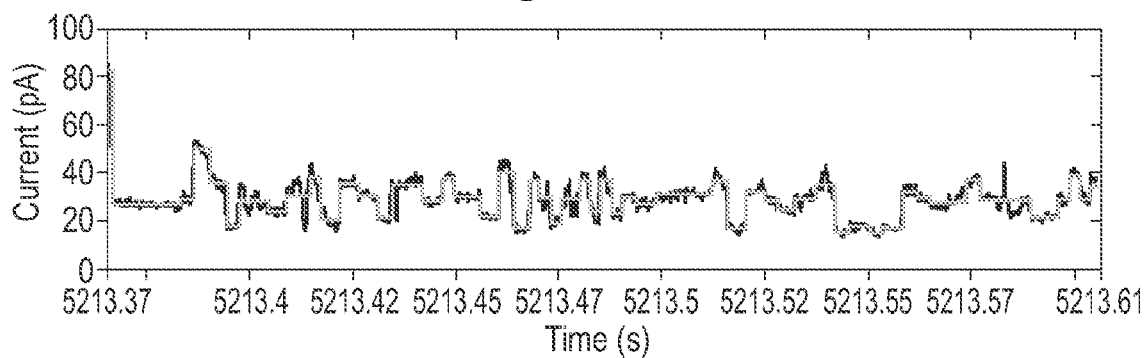


Fig. 23C



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Fig. 23D

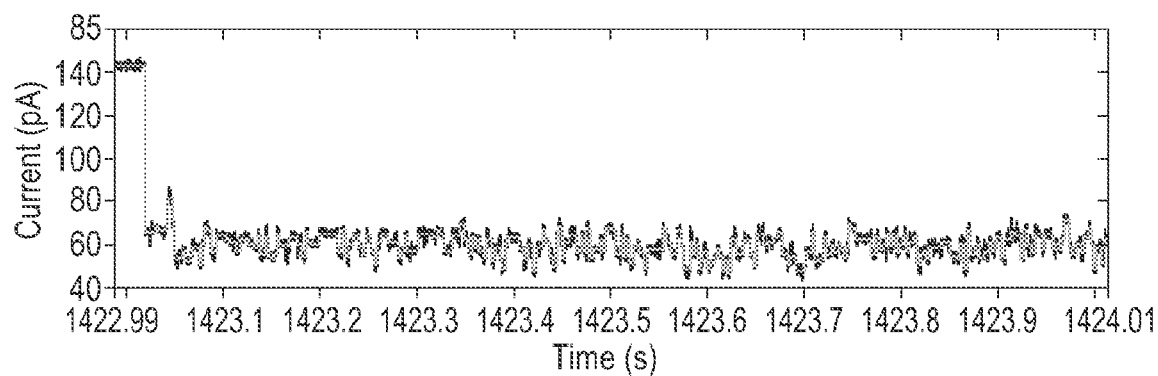


Fig. 23E

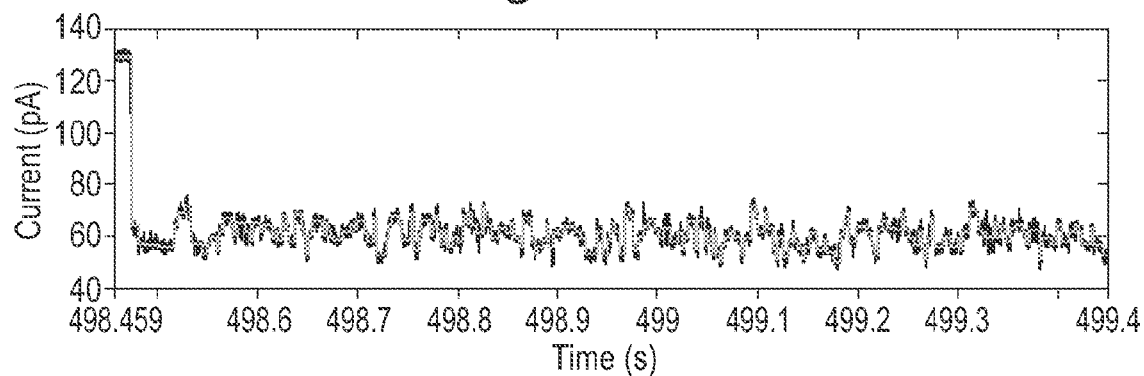
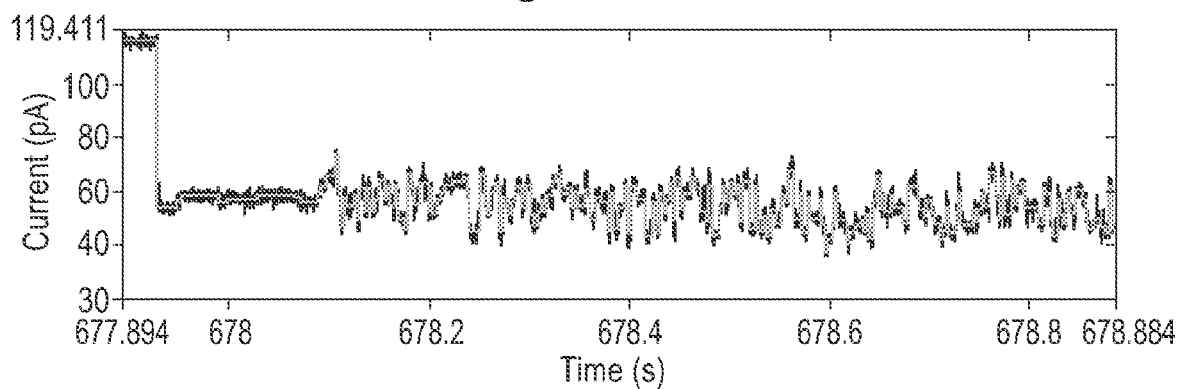


Fig. 23F



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Fig. 24A

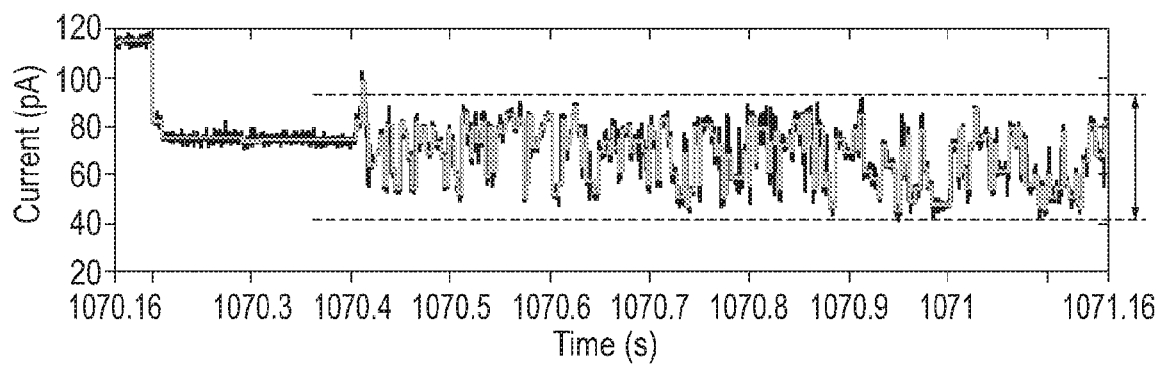


Fig. 24B

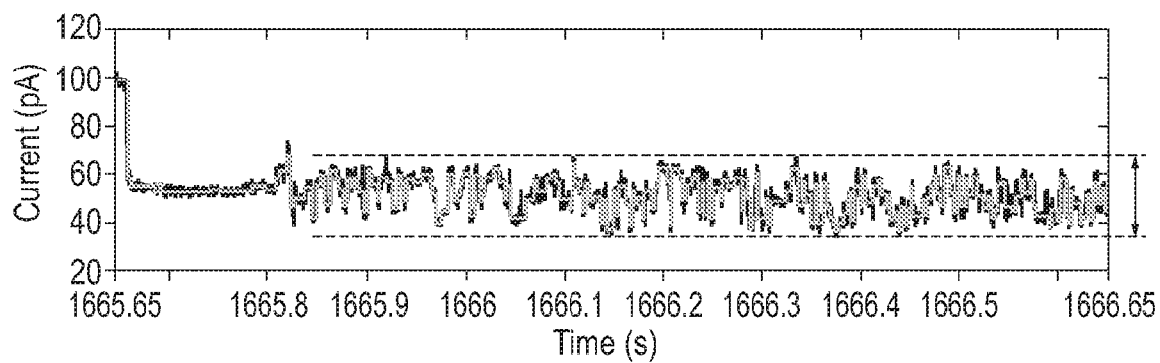


Fig. 24C

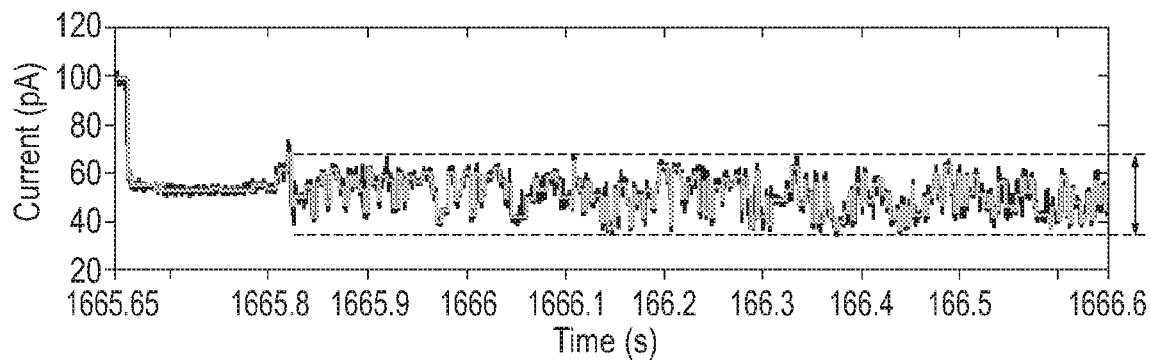
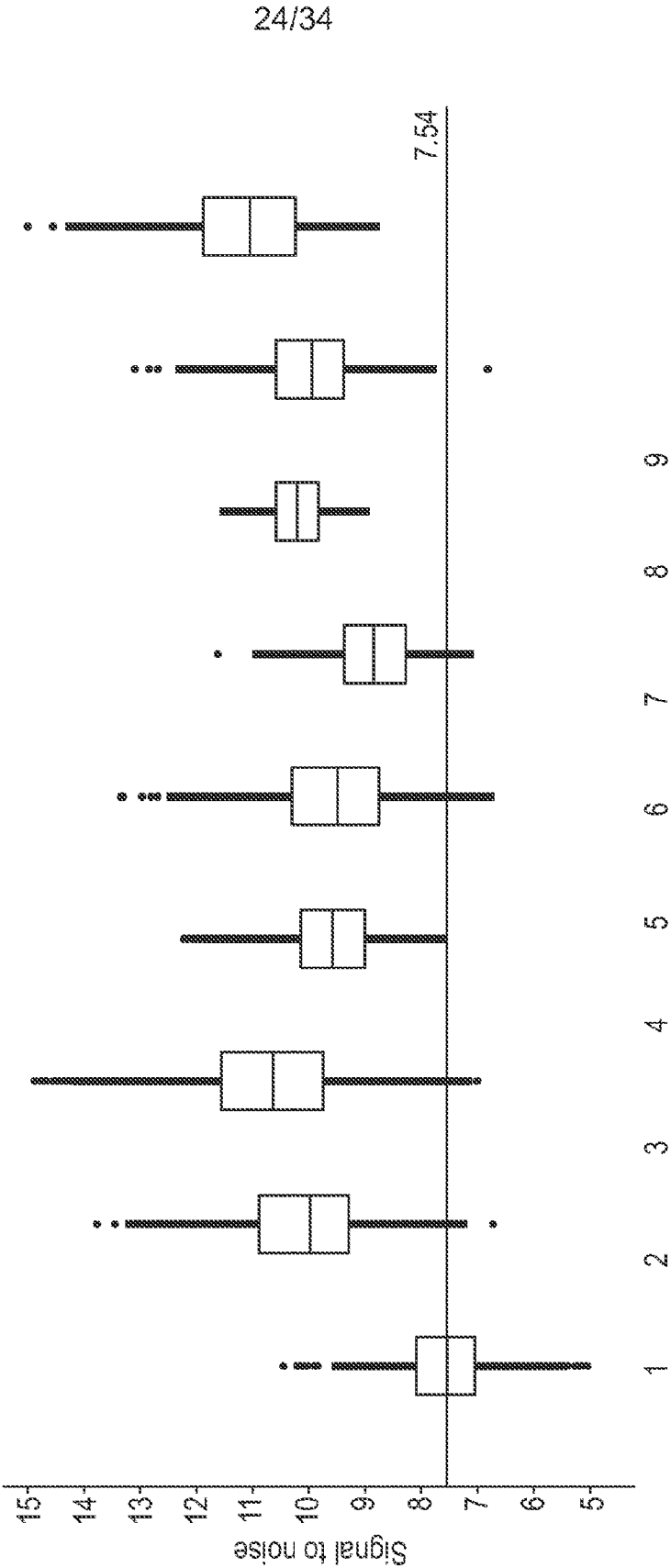


Fig. 25



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Fig. 26A

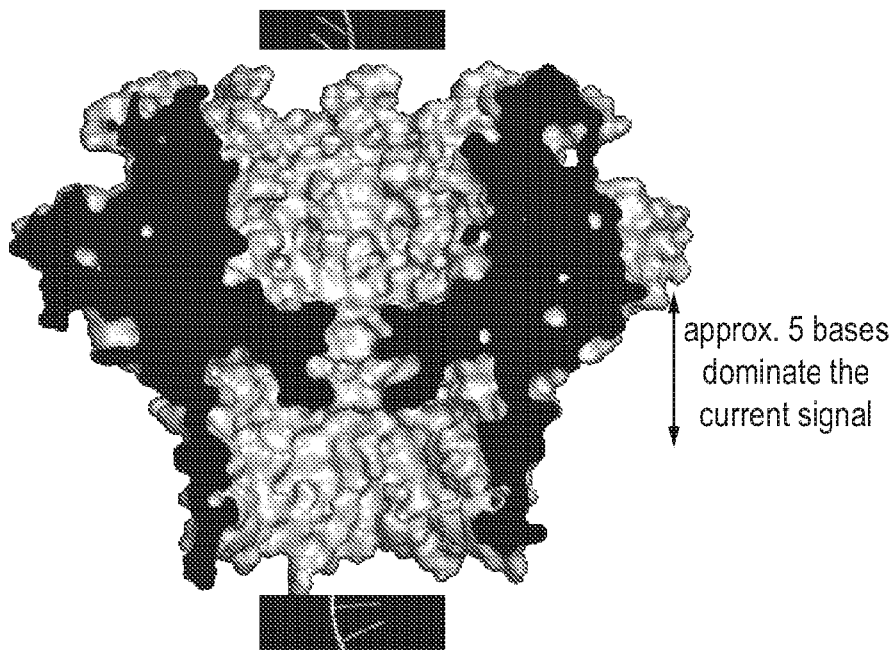
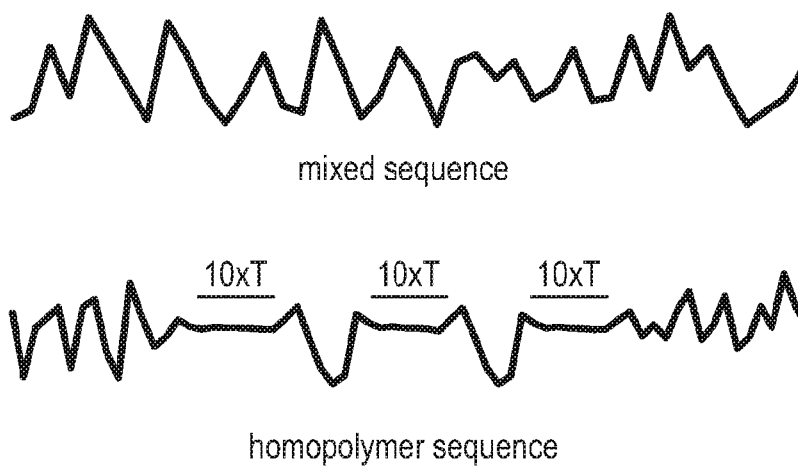


Fig. 26B



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Fig. 27C

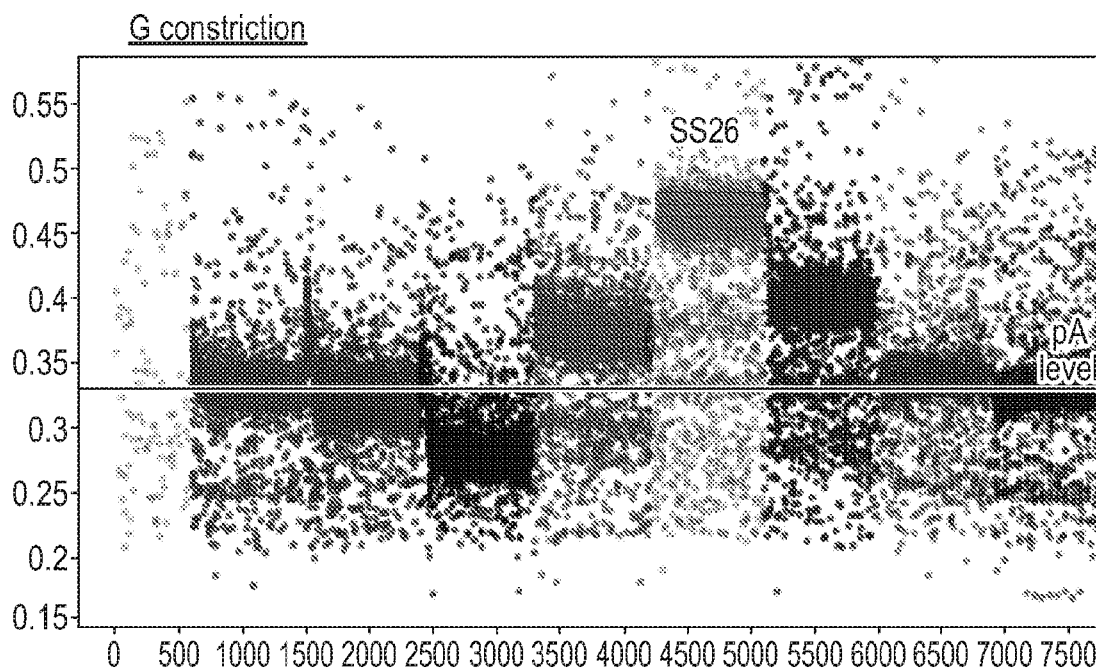


Fig. 27D

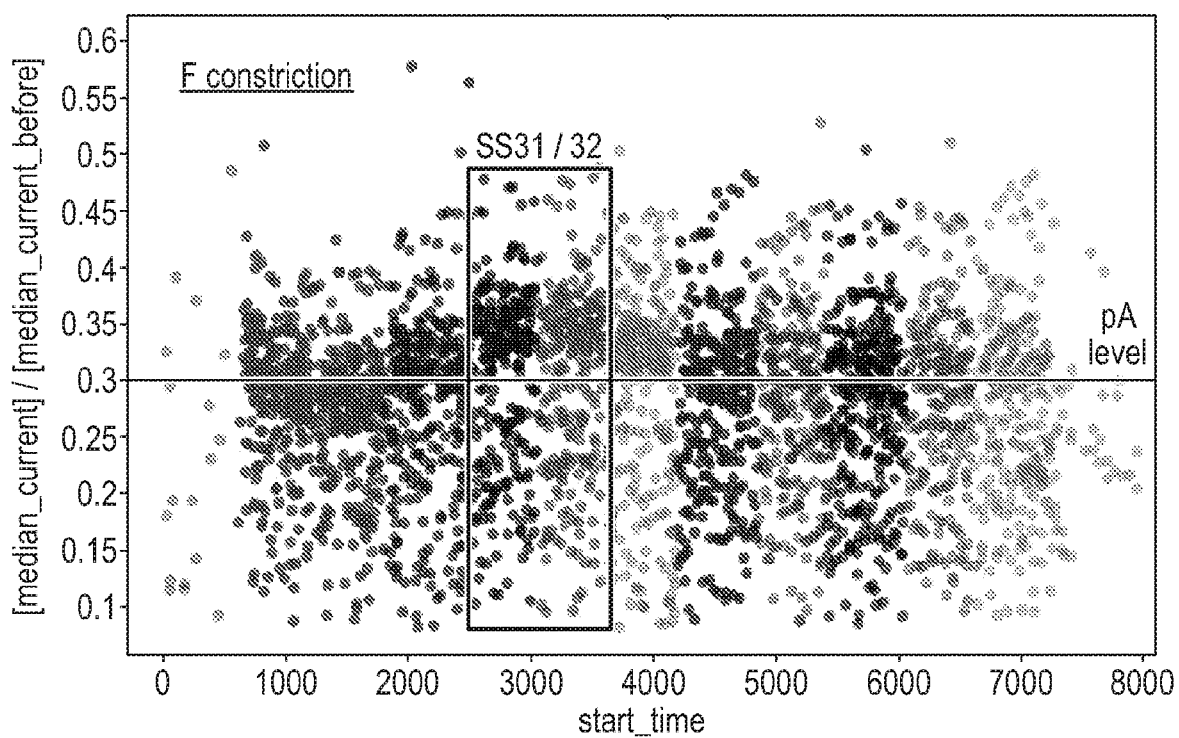


Fig. 28A

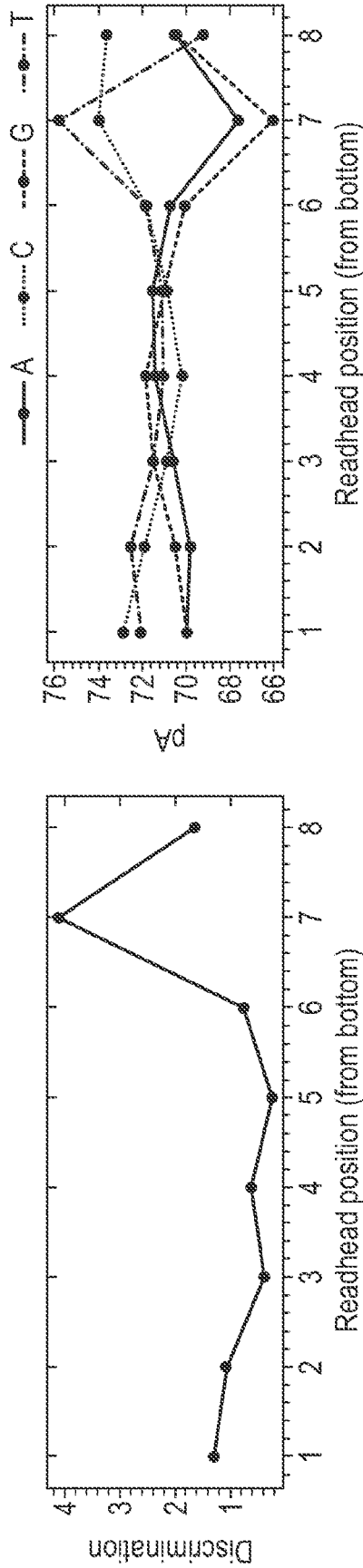
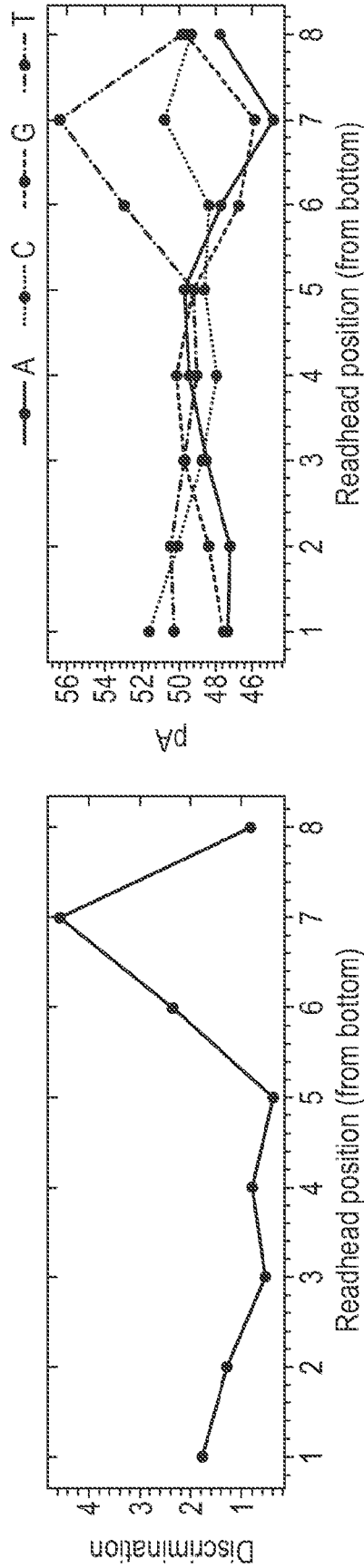
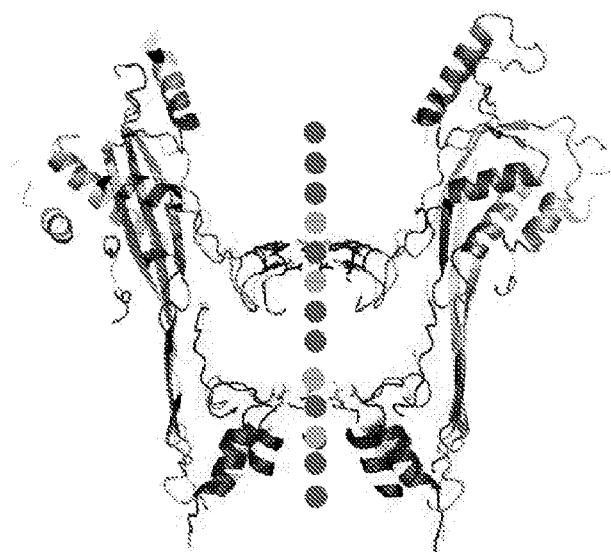


Fig. 28B



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Fig. 29A



Multiple points of
contribution
CsgG:CsgF

Fig. 29B

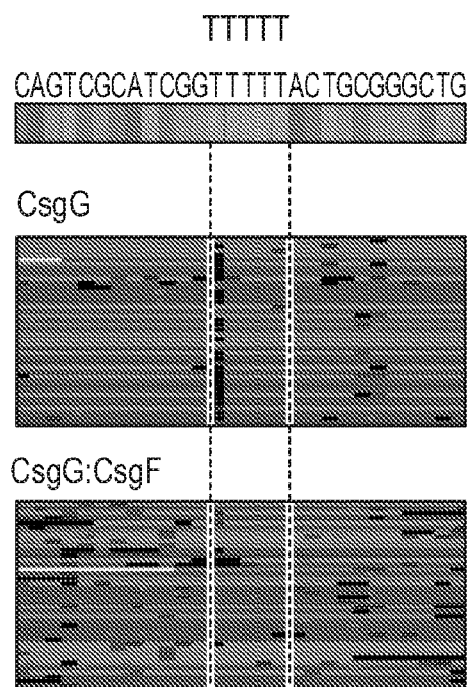


Fig. 29C

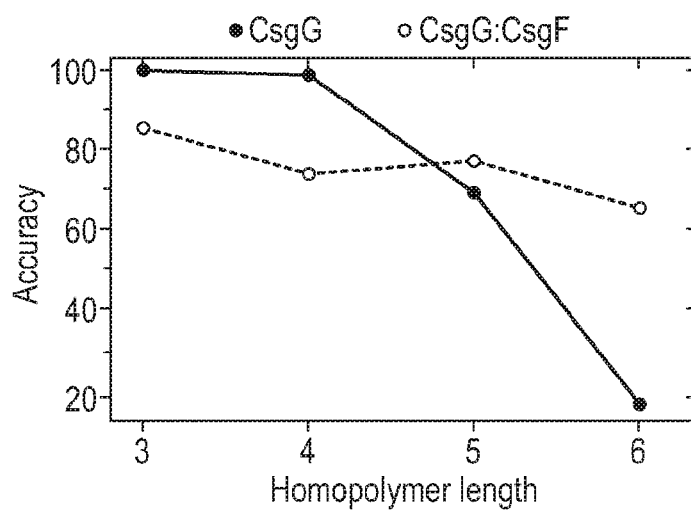


Fig. 30C

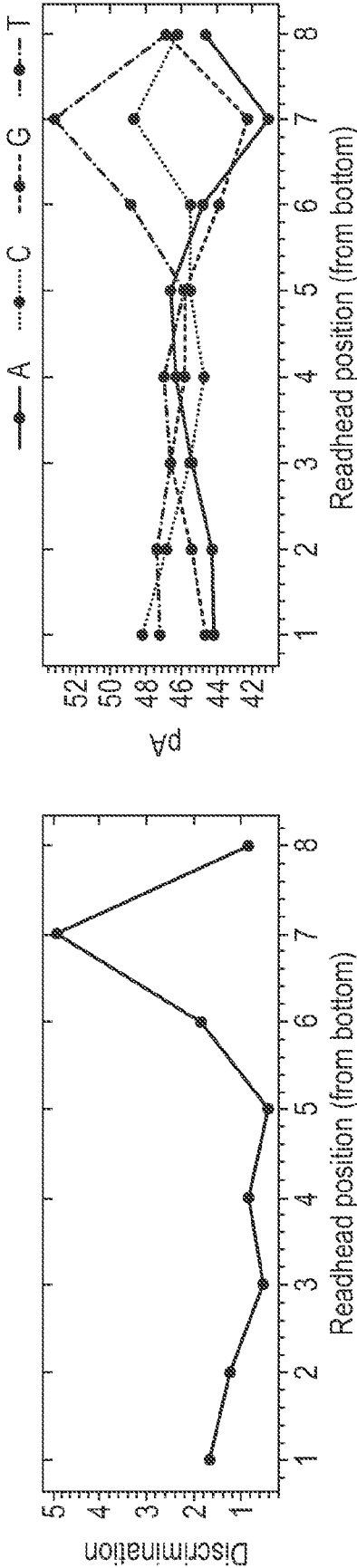


Fig. 30D

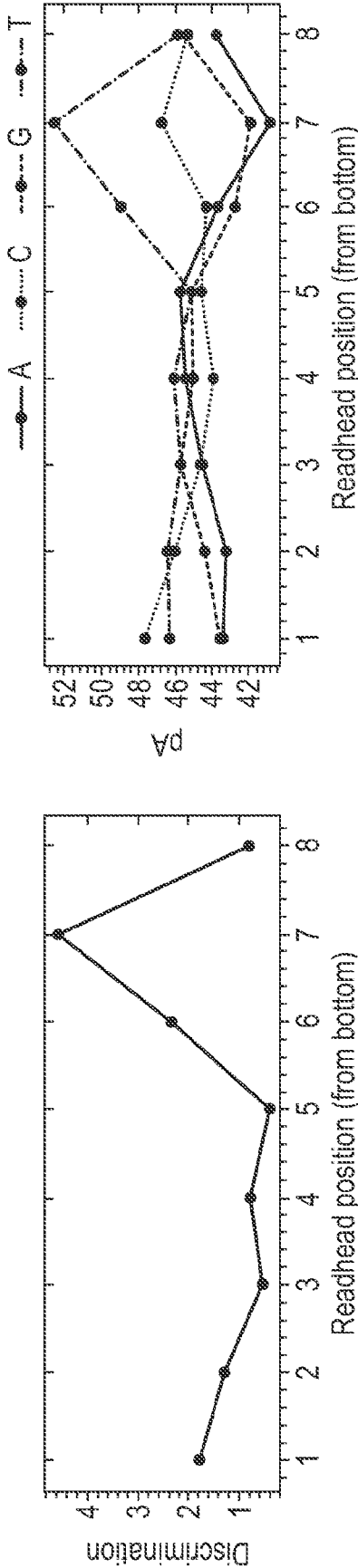


Fig. 30E

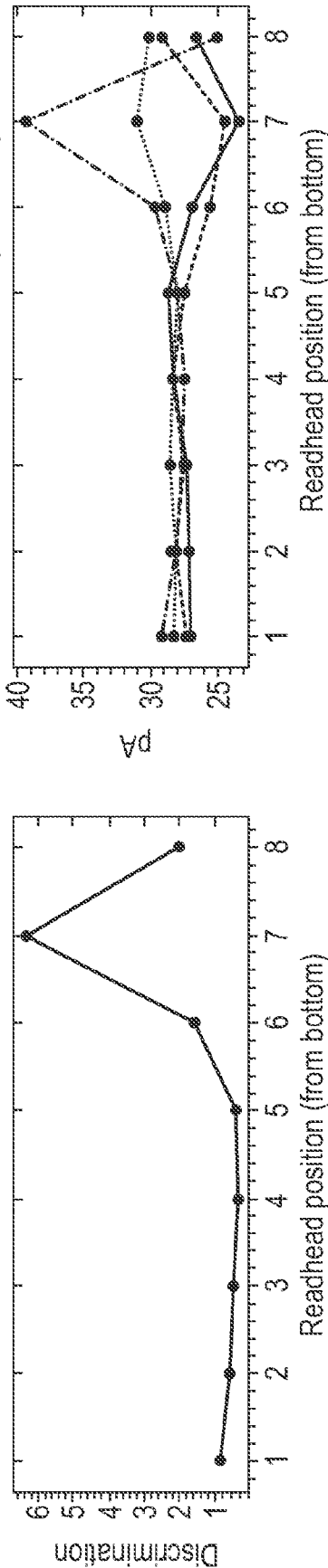


Fig. 30F

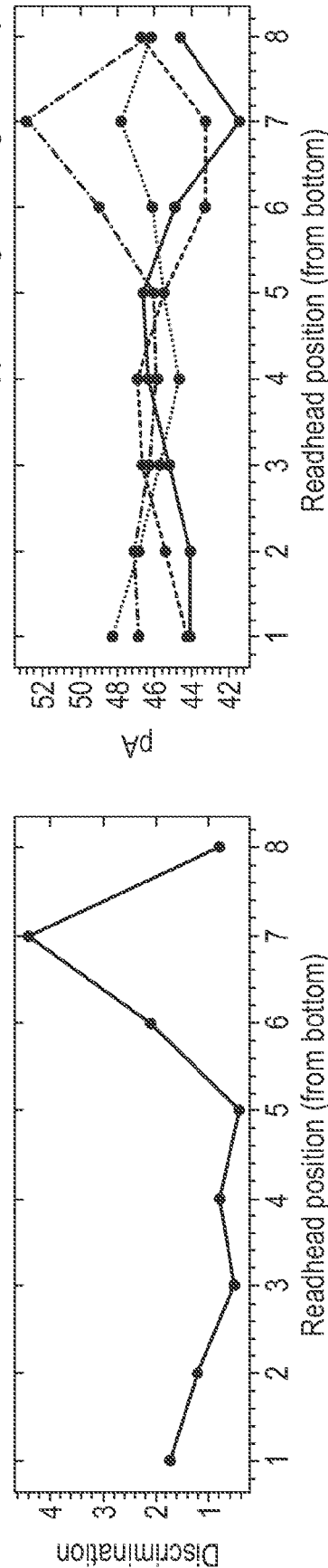


Fig. 30G

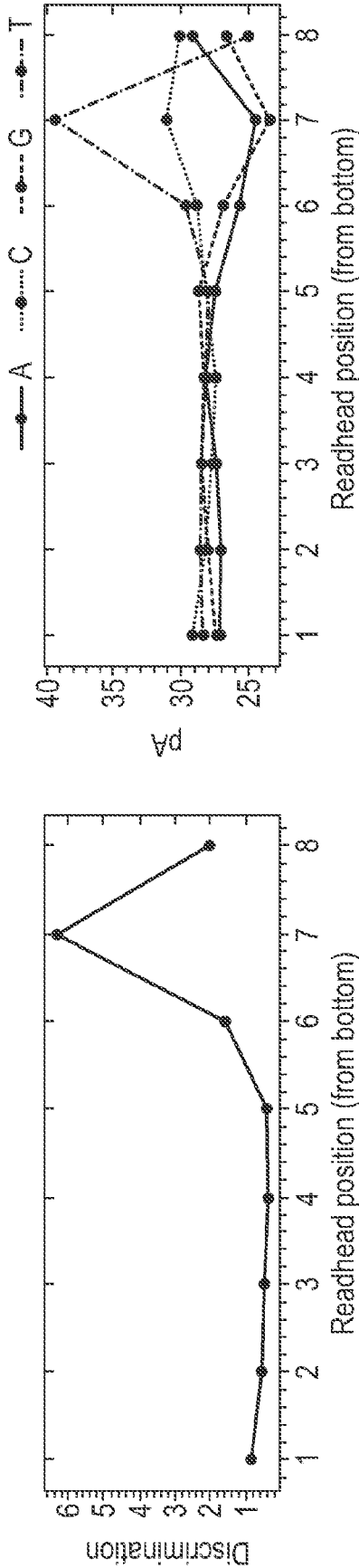
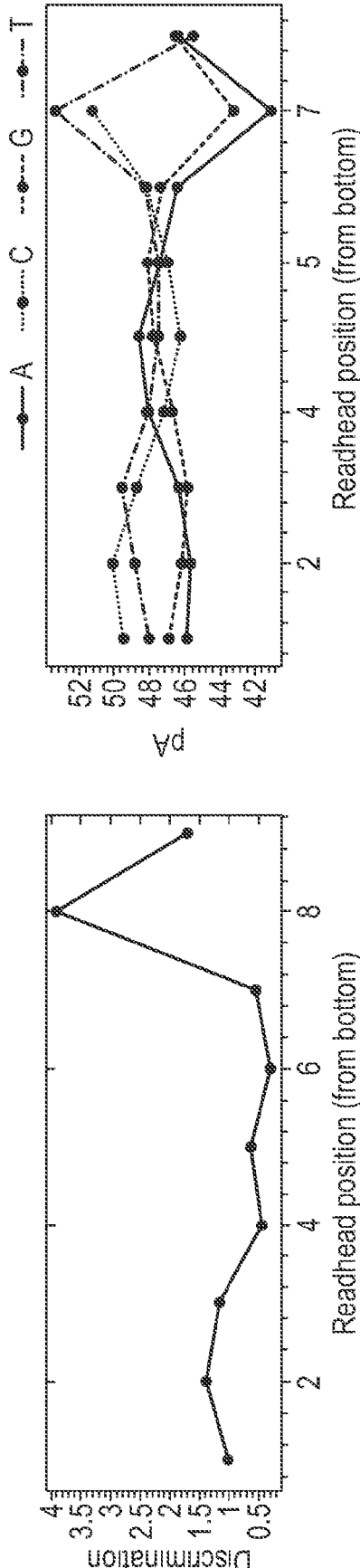


Fig. 30H



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Fig. 31A

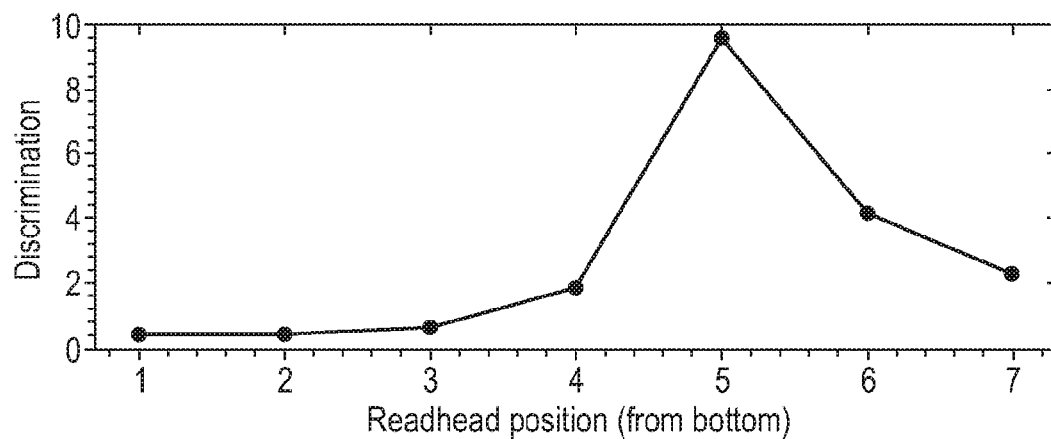


Fig. 31B

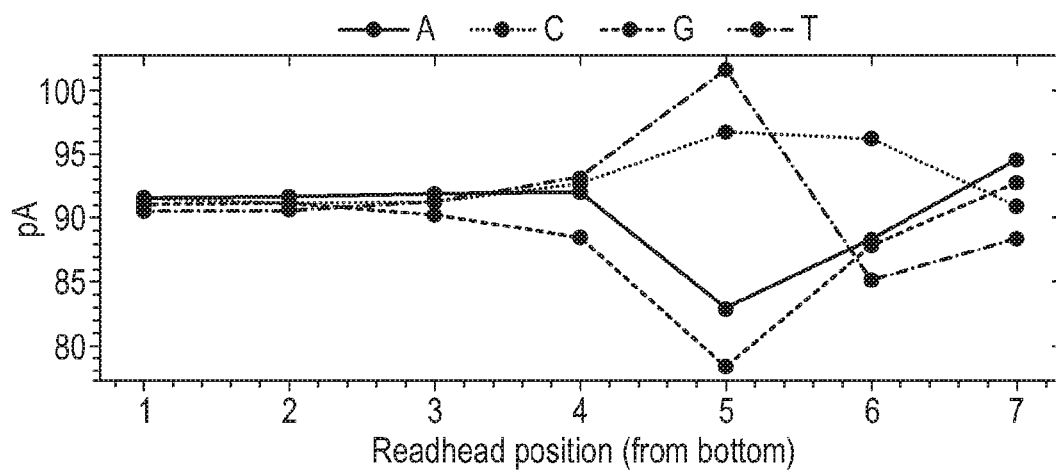


Fig. 31C

