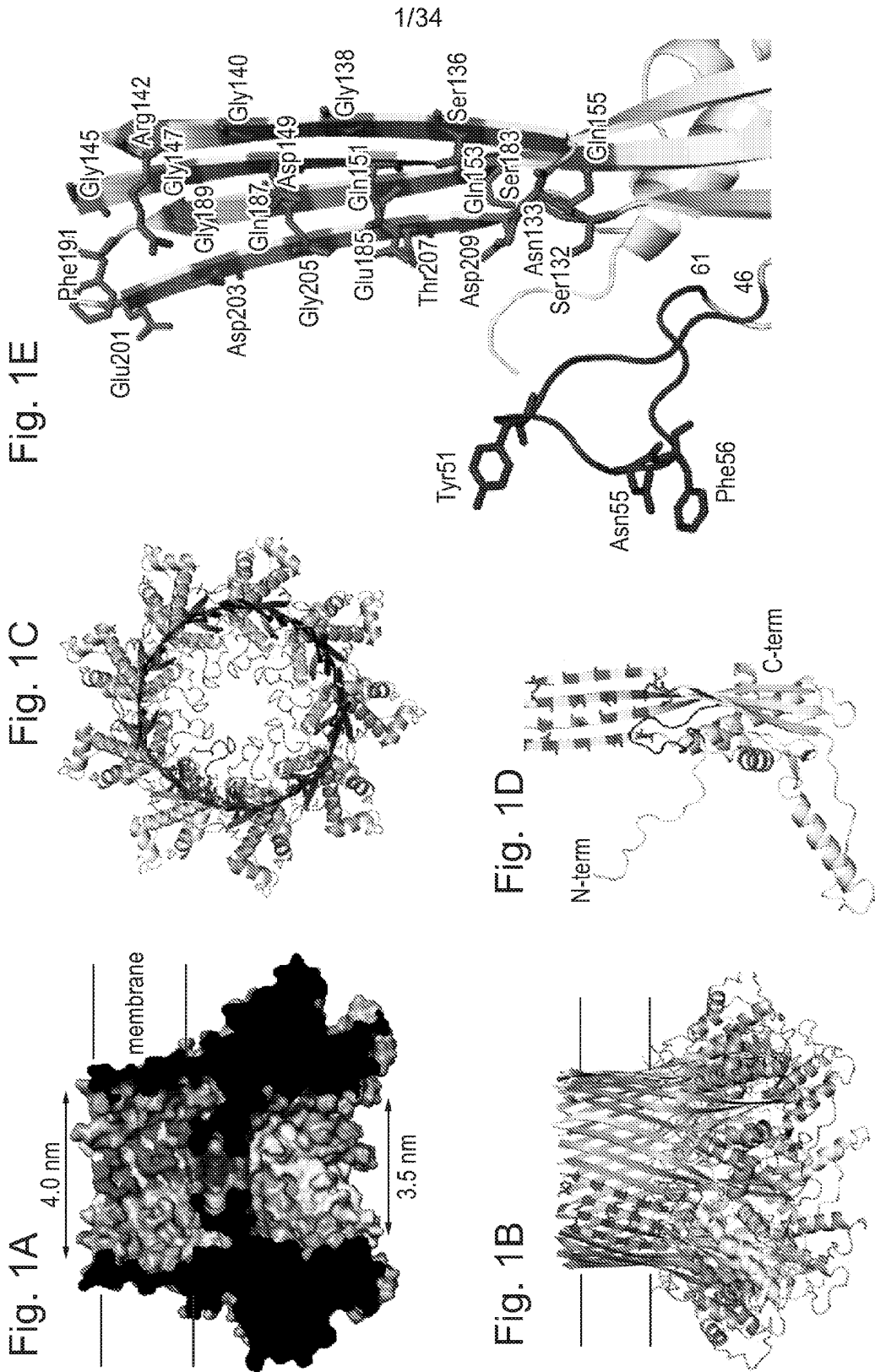




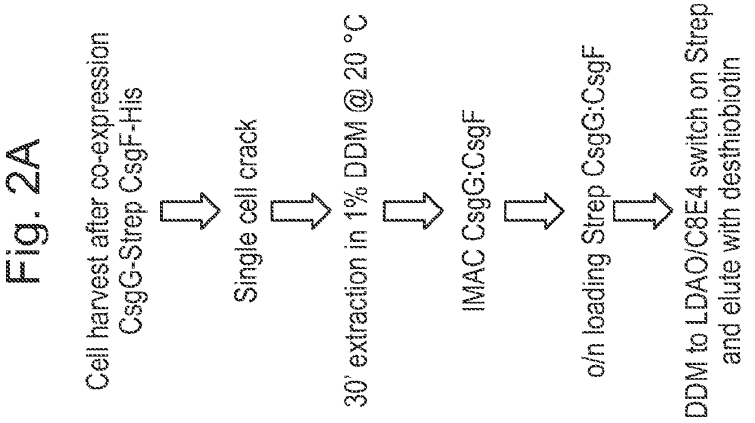
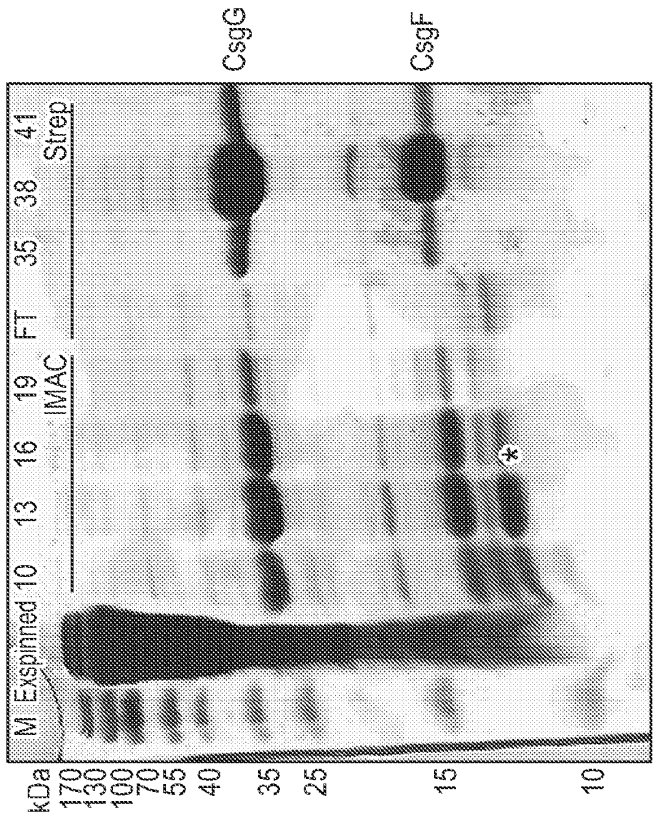


Fig. 2B



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Fig. 3A

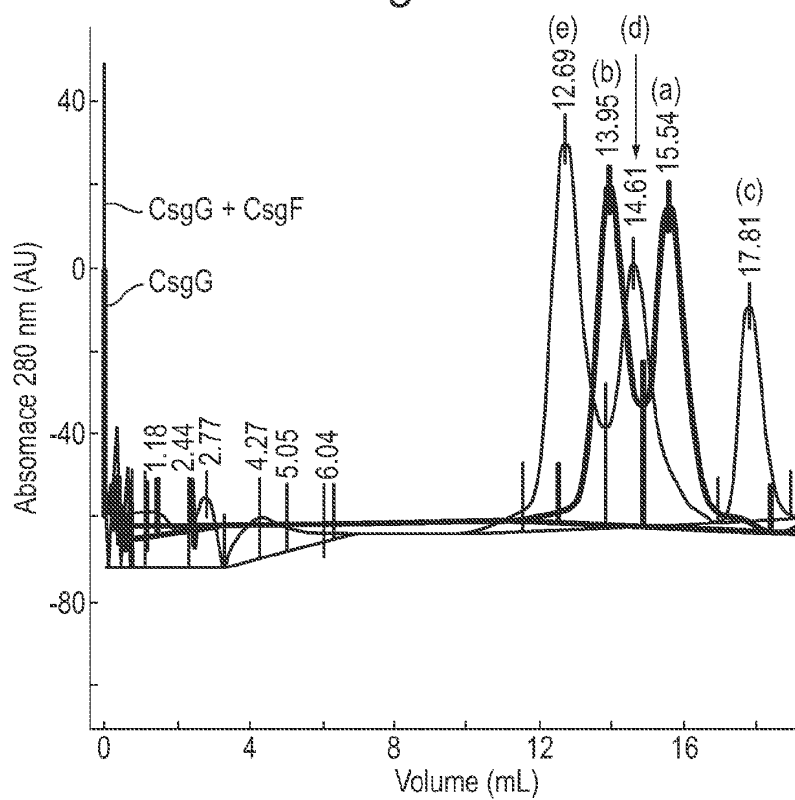
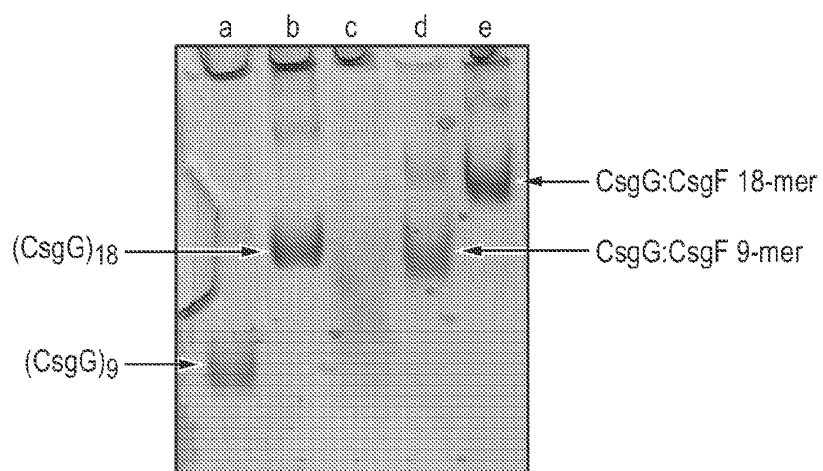


Fig. 3B



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Fig. 3C

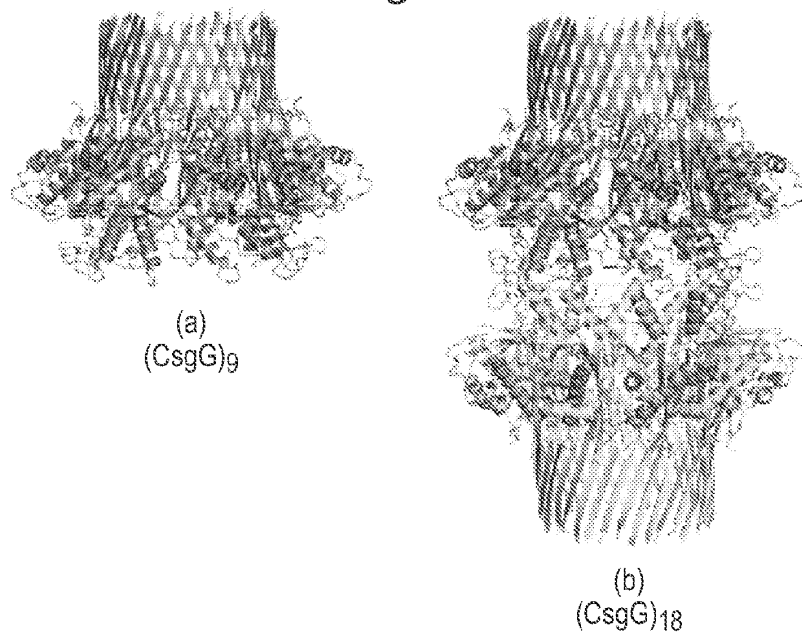
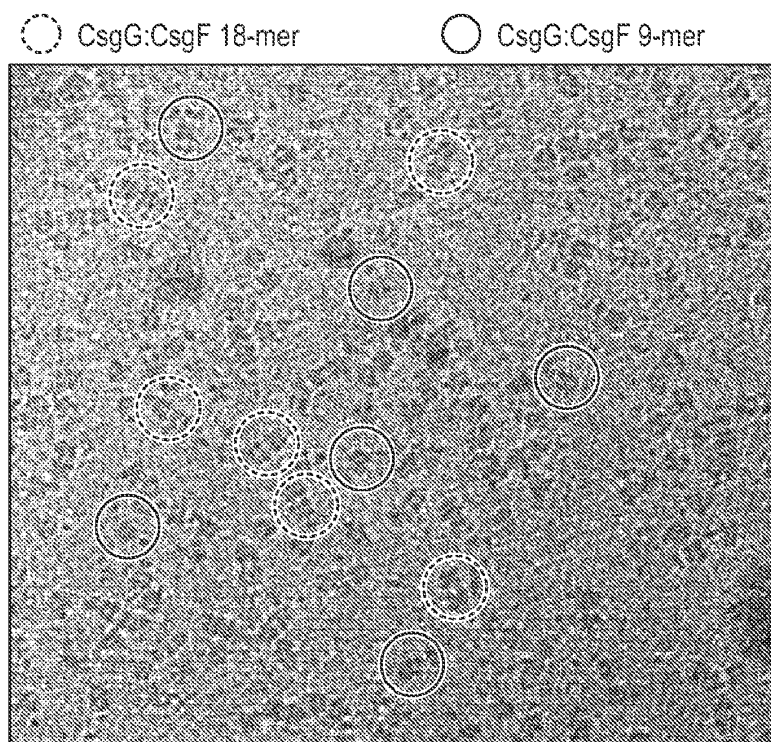


Fig. 4A



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Fig. 4B

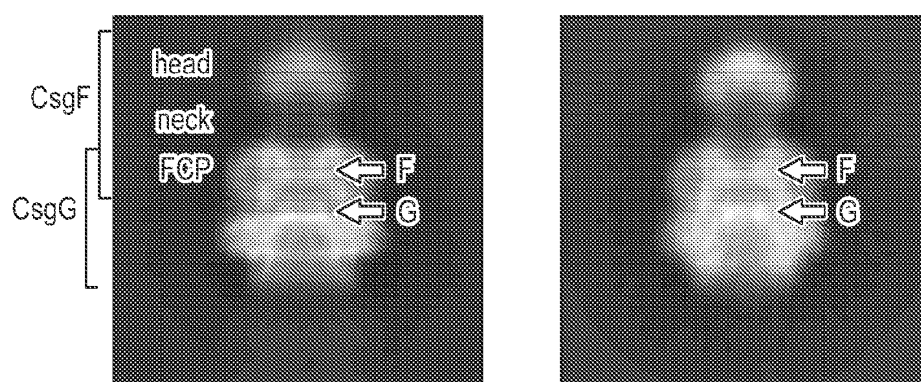
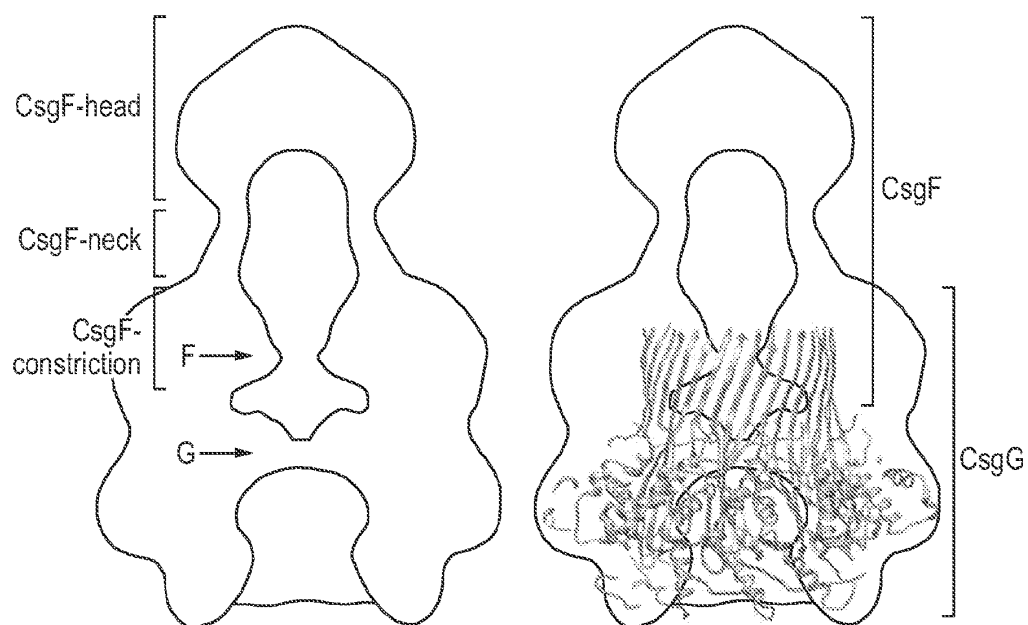


Fig. 5



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Fig. 6A

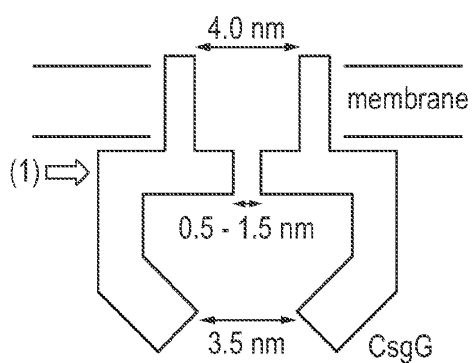


Fig. 6B

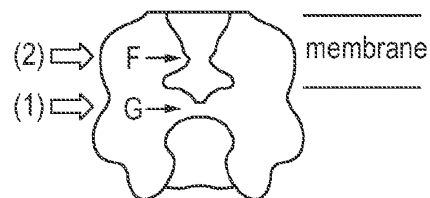


Fig. 6C

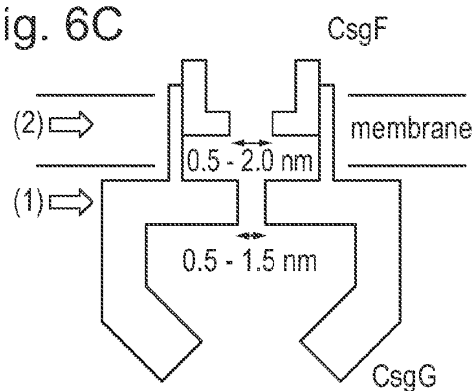


Fig. 7A

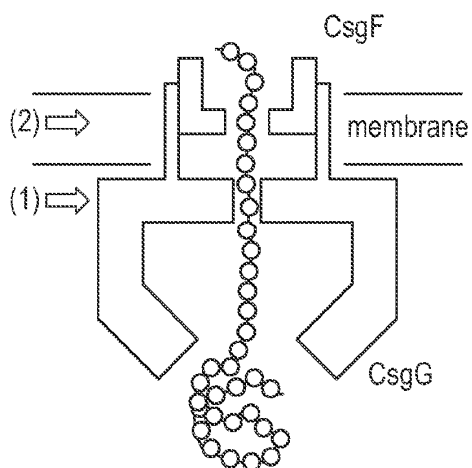


Fig. 7B

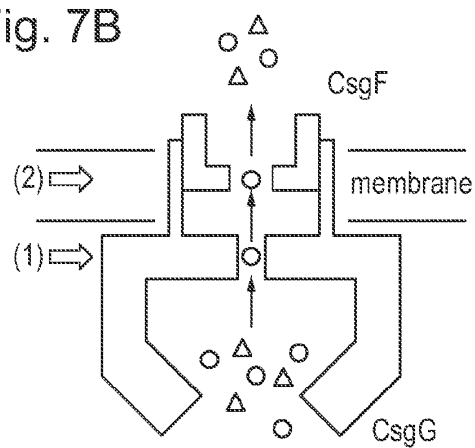


Fig. 7C

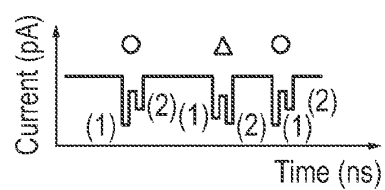


Fig. 8

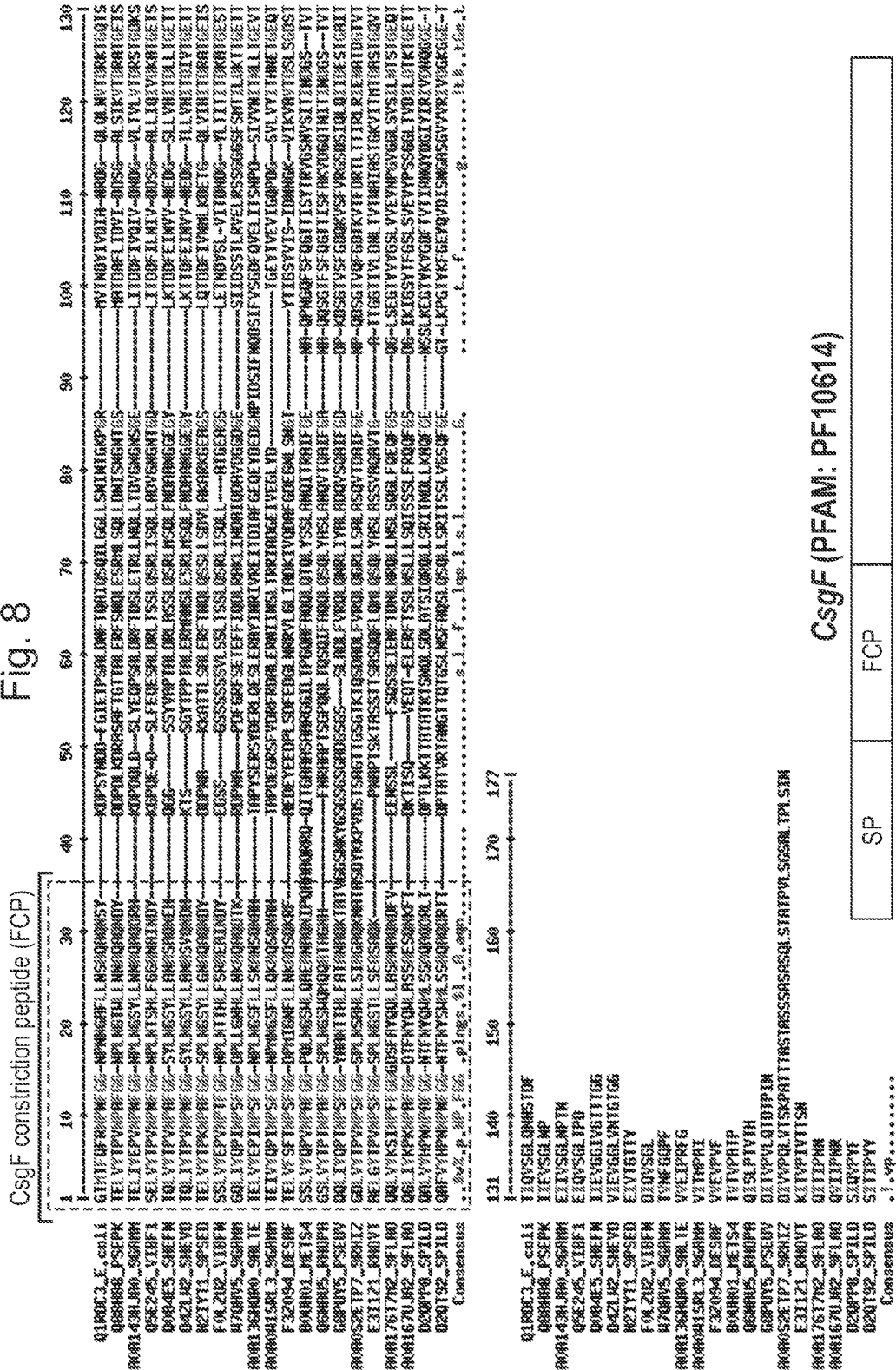
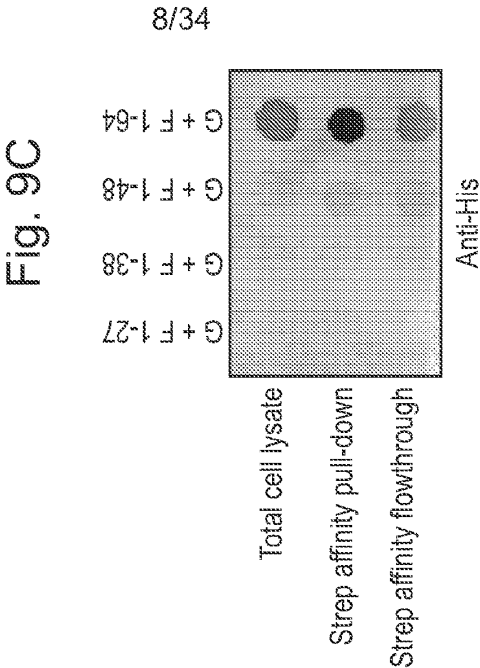
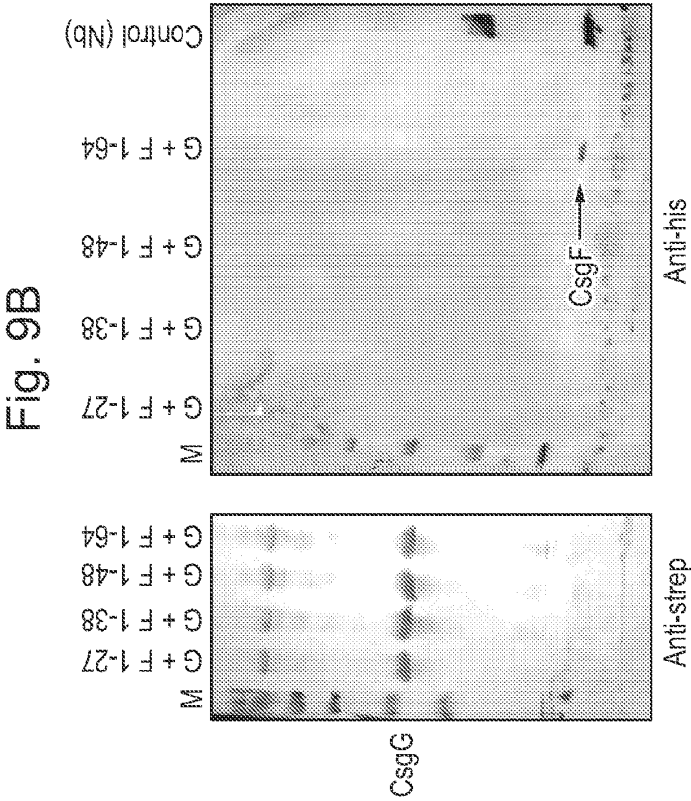


Fig. 9A

CsgF 1-27: GTMTFQFR
CsgF 1-38: GTMTFQFRNPFGGNPNNG
CsgF 1-48: GTMTFQFRNPFGGNPNNGAFLNSAAQ
CsgF 1-64: GTMTFQFRNPFGGNPNNGAFLNSAAQNSYKDPYNDDFGIET



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Fig. 10

	1	10	20	30	36
CsgF_E.coli_Ref/1-35	GTHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
Q32WF1_SHIBS/20-54	GTHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
CSGF_ECOLI/20-54	GTHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR00G3Q8A9_KLUTN/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
D2T145_CITR1/20-54	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR019Y954_SALET/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
CSGF_SALTY/20-54	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
G5LQ87_SALET/20-54	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
H1FH01_ECCLK/10-44	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR0144_CITK8/20-54	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
H5V122_ESCNE/20-54	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR06FOX55L_SENTR/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR069V4T0_ESCVU/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
R4W53_FNT38/20-54	GSHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
H6J223_SENTR/20-54	GTHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR06LGH54_SENTR/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR069SLK1_SENTR/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR062VUHS_DEBHA/21-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
I2DC60_SHIBS/26-60	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
H2J0K9_RNIBS/26-60	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
I0QV43_GNHH/20-54	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR0637A03_HAFIL/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR065HG16_GNHH/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
NR065HTKL_SENTR/20-	GNHTTQFRNPFEQ-NPNNGAFLLNSFQDQMSYKDP				
R8AVX1_PLESH/21-55	SPLTYQVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
L0WF32_GNHH/19-53	SELVYQVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
H0J06_WFSEB/23-57	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
nrhd:R3224_03676	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR0143HJA0_GNHH/25-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR00CU3M9_GNHH/25-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
ppg:P01601_2464	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
Q0Q008_PSEPK/23-57	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
S6R116_PSEFE/22-56	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR077F0K5_PSED/25-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR062HEEG_PSEKB/21-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06H1YJQ2_PSED/25-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06H1YF0_PSED/26-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
H0J4J4_PSEST/25-59	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
H47W3_PSEB/25-59	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR0630S70_PSED/26-	SELVYTPNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
H2IY11_PSED/26-60	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06C2C02L_GNHH/19-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06Q0S1L_GNHH/23-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
U1ZTX9_GNHH/23-57	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
K4KX7_STHRS/19-53	SELVYTPNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06H1L52_PSED/24-	SELVYTPNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06H1L12_GNHH/20-	SELVYTPNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
pia:P12015_3301	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
Q3IIG3_PSEST/18-52	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06H1E51_GNHH/19-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR064FYCL_GNHH/19-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR064QNNQ_GNHH/20-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR064F537_PSED/25-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06F6R8P5_GNHH/19-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
R4C900_GNHH/26-60	SELVYTPNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06A7ENP5_GNHH/21-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
U1KJ74_GNHH/19-53	SELVYTPNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
anad:1636_15905	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR0136HQ20_NALTE/26-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
K0JG5_HLTHS/26-60	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
K2J70_GNHH/18-52	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
ilo:IL0157	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
Q5Q011_IDILO/20-54	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR06415RL3_GNHH/21-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR062V1H7_GNHH/19-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
T1DY13_GNHH/18-52	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
NR0101H696_GNHH/18-	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
K6KX22_SFHE/23-57	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
B1K307_SFHE/20-54	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				
B4ZCF0_SFHE/25-59	TELYTPVNPFEQ-NPLNGSVLLNSFQDQMSYKDP				

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Fig. 10
(Cont. I)

	1	10	20	30	36
D42CF0_SHEVD/25-59	TELVTTPINPVSFGG-SPLNGSYLLNKNIDNENTHE				
R00136H725_96RHH/21-	TELVTTPINPVSFGG-SPLNGSYLLSKRQGGNKHCH				
Q0E340_SHEOH/21-55	TELVTTPVNPVSFGG-HPLNGTFLNKNQGNQGNQHT				
R159K4_SHEOH/19-53	TELVTTPINPVSFGG-SPLNGSYLLNKNQGNQGNQSP				
Q12Q80_SHEBO/21-55	TELVTTPVNPVSFGG-SPLNGSYLLNKNQGNQGNQRT				
M040G2_CDSOE/44-70	GDLVYVPVNPVSFGG-HPLNGSYLLQGNQGNQKRYPT				
R000P7CTT2_96RHH/20-	GELIYTPINPVSFGG-HPLNGSYLLGKNQGNQDTHOP				
R000B0D1N5_96RHH/25-	GELIYTPINPVSFGG-DPLNGSYLLGKNQGNQDTHOP				
R00139C006_96RHH/20-	GELIYTPINPVSFGG-DPLNGSYLLNKNQGNQDTHOP				
R000M1SKM8_96RHH/23-	GMLIYTPINPVSFGG-DPLNGSYLLGKNQGNQDTHOP				
R000G000Z2_96RHH/25-	GDLIYTPINPVSFGG-DPLNGSYLLGKNQGNQDTHOP				
R001246606_96RHH/29-	GELIYTPINPVSFGG-DPLNGSYLLGKNQGNQDTHOP				
N70H45_96RHH/26-60	GELIYTPINPVSFGG-DPLNGSYLLNKNQGNQDTHOP				
R000Q5F0R3_96RHH/26-	SPLYTEPVNPVSFGG-HPLNGSYLLNKNQGNQDTHOP				
R000Q0D0G1G_SACTH/24-	STLYYTPVNPVSFGG-HPLNGSYLLNKNQGNQDTHOP				
R000Q5VNL3_PSEK/24-	SELVYTPVNPVSFGG-HPLNGSYLLNKNQGNQDTHOP				
R000Q0BYL2_9PSED/24-	SELVYTPVNPVSFGG-HPLNGSYLLNKNQGNQDTHOP				
R0007715R7_9PSED/24-	SELVYTPVNPVSFGG-HPLNGSYLLNKNQGNQDTHOP				
vfn:VF0JLL2524	SELVYTPVNPVSFGG-HPLNTSHLFGGNQGNQDTHOP				
Q5E245_VIBF1/21-55	SELVYTPVNPVSFGG-HPLNTSHLFGGNQGNQDTHOP				
L8J3T0_96RHH/21-55	TELVTTPINPVSFGG-HPLNSHLLGKNQGNQDTHOP				
R000H0I042_9VIBK/23-	TELVTTPVNPVSFGG-HPLNSHLLGKNQGNQDTHOP				
R000F5V6N7_96RHH/11-	TELVTTPVNPVSFGG-SPLNGSYLLAGNKNQGNQDTHOP				
RGCLM6_9VIBK/22-56	SELVYTPVNPVSFGG-HPLNSTILINKNQGNQDTHOP				
R000Q0S2X0_9VIDR/22-	SELVYTPINPVSFGG-HPLNSTILINKNQGNQDTHOP				
R000Q0S504_9VIDR/22-	TELVTTPINPVSFGG-HPLNSTILINKNQGNQDTHOP				
R000Q0G6Y0_9BUBK/23-	TELVTTPVNPVSFGG-HPLNSTILINKNQGNQDTHOP				
VF1:R1536_01110	LYTEPVNPVSFGG-HPLNTSHLFGGNQGNQDTHOP				
F0LZU2_VIBFM/16-50	SSLVYTPVNPVSFGG-HPLNTSHLFGGNQGNQDTHOP				
slp:Sheu1728	TQLIYTPVNPVSFGG-SYLNQSYLLNKNQGNQDTHOP				
R300P7_SHELP/25-59	TQLIYTPVNPVSFGG-SYLNQSYLLNKNQGNQDTHOP				
D421M2_SHEVD/23-57	TQLIYTPVNPVSFGG-SYLNQSYLLNKNQGNQDTHOP				
Q004E5_SHEFN/20-54	TQLIYTPVNPVSFGG-SYLNQSYLLNKNQGNQDTHOP				
R001K5_SHEPA/21-55	TQLIYTPVNPVSFGG-SYLNQSYLLNKNQGNQDTHOP				
R000Q0I002_96RHH/20-	TQLIYTPVNPVSFGG-SYLNQSYLLNKNQGNQDTHOP				
rve:Rven2065	RELGYTPVNPVSFGG-SPLNGSTLLSENSQGNQDTHOP				
E3I1Z1_R00YT/19-53	RELGYTPVNPVSFGG-SPLNGSTLLSENSQGNQDTHOP				
qua:R073_18145	GDLVYTPVNPVSFGG-SPLNSHLLSTGNQGNQDTHOP				
R000S2ETP7_9RHH/25-	GDLVYTPVNPVSFGG-SPLNSHLLSTGNQGNQDTHOP				
R000U7M115_9RHH/21-	QDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
Q1YTP0_R00HS/00-74	GDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R5P014_9SPHN/24-58	QDLVNPISPTFGG-HPLNSHLLSTGNQGNQDTHOP				
R000P0H5E6_9SPHN/22-	QDLVNPISPTFGG-HPLNSHLLSTGNQGNQDTHOP				
R000D4_9SPHN/17-51	QDLVNPISPTFGG-HPLNSHLLSTGNQGNQDTHOP				
Q1M006_9PNS/5-39	QDLVNPISPTFGG-HPLNSHLLSTGNQGNQDTHOP				
R000D12036_9SPHN/15-	QDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000B20251_9SPHN/7-4	QDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000H1F06_9SPHN/8-4	QDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R001421F18_9RHH/12-	QDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000F20611_9RHH/16-	QDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000Q0C0J9_9SPHN/23-	QDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000Q0B229_9SPHN/27-	QDLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000Q0L065_9SPHN/25-	SELVYTPINPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000H0J0T05_9SPHN/10-	SGLVYTPVNPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000D0TUX0_9SPHN/25-	GDLVYTPINPVSFGG-DPLNSHLLSTGNQGNQDTHOP				
R00100L007_9SPHN/8-4	SGLVYTPINPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000Q0R0C2_9SPHN/14-	QDLVYTPINPVSFGG-HPLNSHLLSTGNQGNQDTHOP				
R000Q0E0H07_96RHH/17-	SGLVYTPVNPVSFGG-DPLNSHLLSTGNQGNQDTHOP				
R000S0K614_9BUBK/26-	TELVTTPVNPVSFGG-YPLNGHLLSTGNQGNQDTHOP				
R000S0K614_9BUBK/24-	TELVTTPVNPVSFGG-YPLNGHLLSTGNQGNQDTHOP				
mpo:R00P_0031	GMLIYTPVNPVSFGG-SPLNGHLLSTGNQGNQDTHOP				
R000K1_ME154/26-60	SSLVYTPVNPVSFGG-PDLNGHLLSTGNQGNQDTHOP				
R000T1XPI1_9RHH/24-	SGLVYTPINPVSFGG-DPLNGHLLSTGNQGNQDTHOP				
rpv:R00L1252	GDLVYTPINPVSFGG-SPLNGHLLSTGNQGNQDTHOP				
Q00H05_R00P/22-50	GDLVYTPINPVSFGG-SPLNGHLLSTGNQGNQDTHOP				
def:Desaf_1453	TELVTSTINPVSFGG-DPLNGHLLSTGNQGNQDTHOP				
F32094_DESAF/24-58	TELVTSTINPVSFGG-DPLNGHLLSTGNQGNQDTHOP				
top:TOP045_0313	TELVTSTINPVSFGG-HPLNGSYLLSTGNQGNQDTHOP				
F0C5H9_THEGP/24-58	TELVTSTINPVSFGG-HPLNGSYLLSTGNQGNQDTHOP				
R000S0J1X8_9BUBK/28-	SMLIYTPINPVSFGG-HPLNGSYLLSTGNQGNQDTHOP				

CsF "FCP"

Fig. 11A

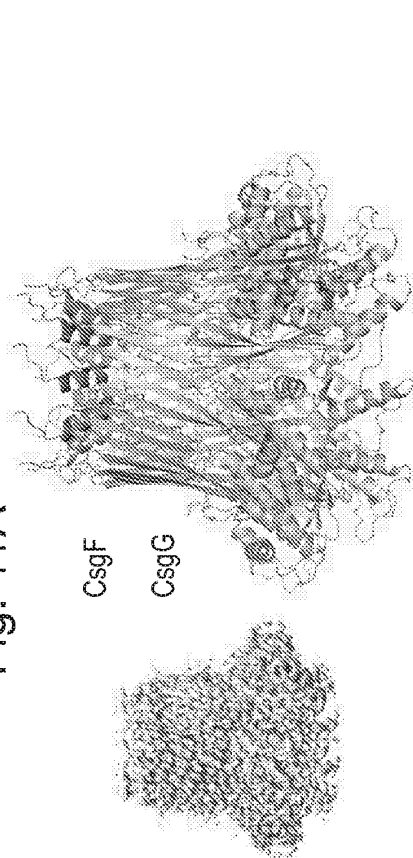


Fig. 11B

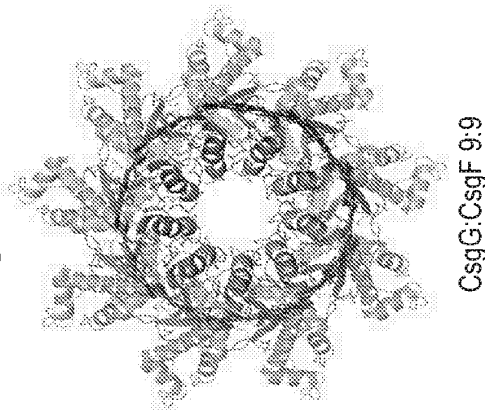


Fig. 11C

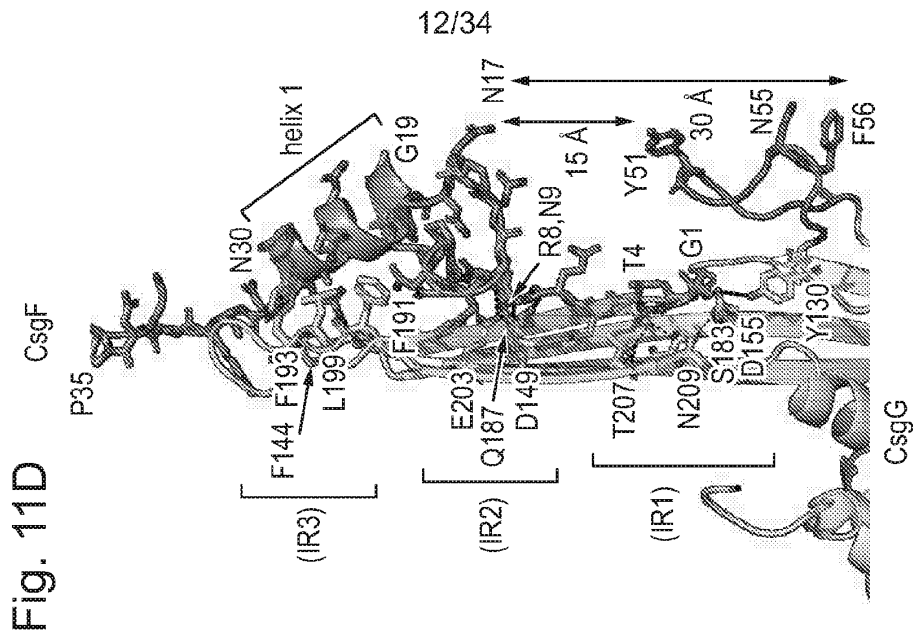
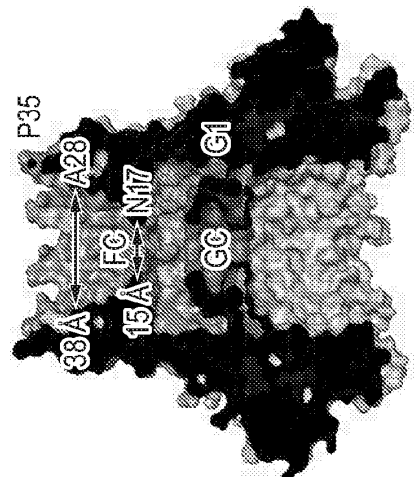
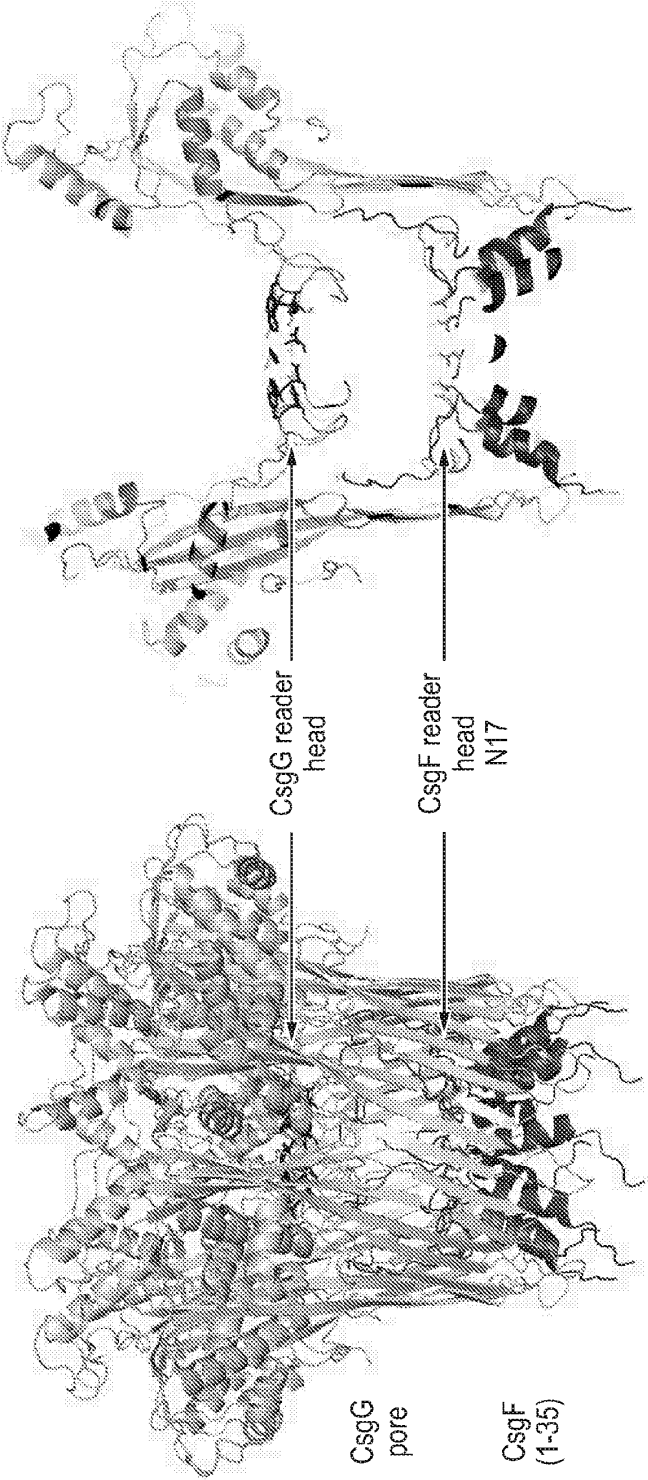


Fig. 12



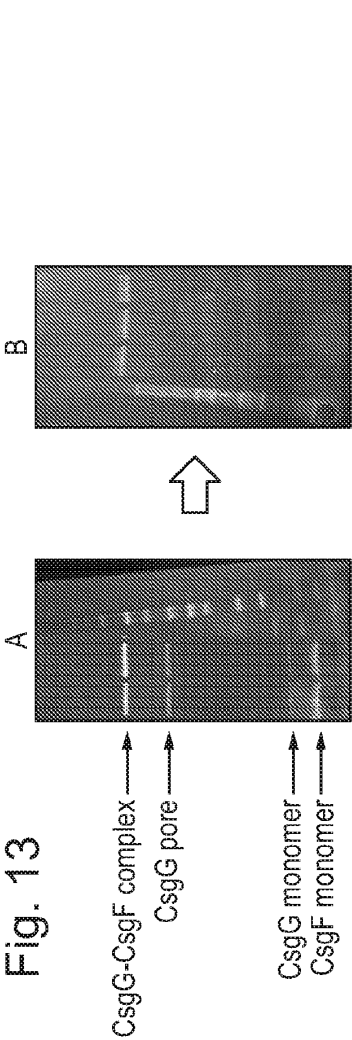
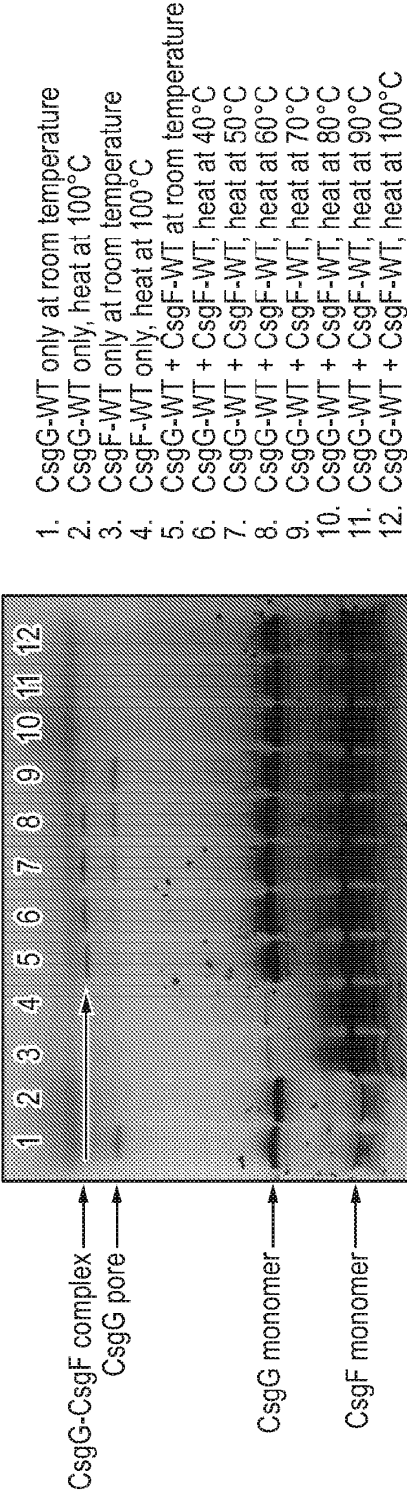


Fig. 14



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Fig. 15A

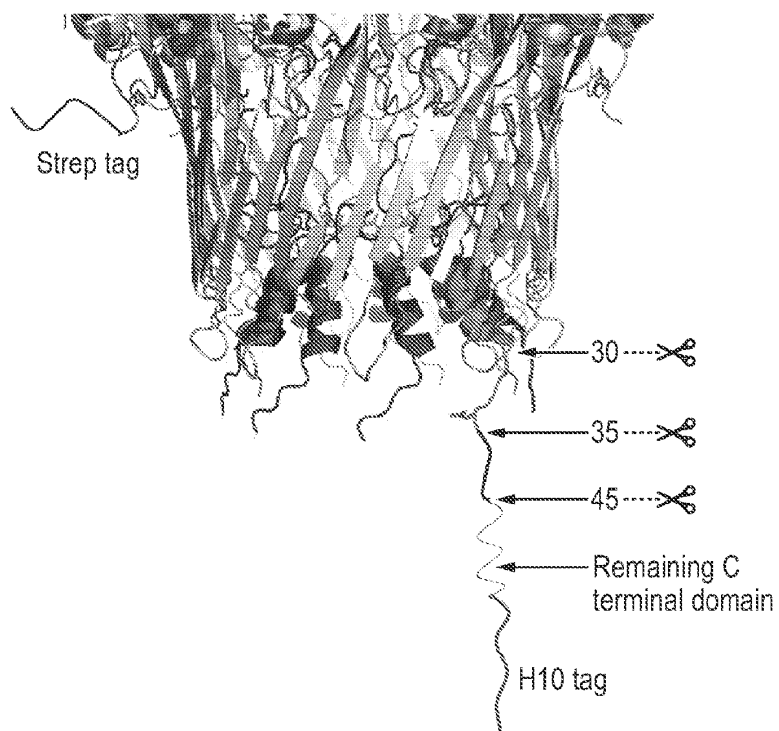


Fig. 15B

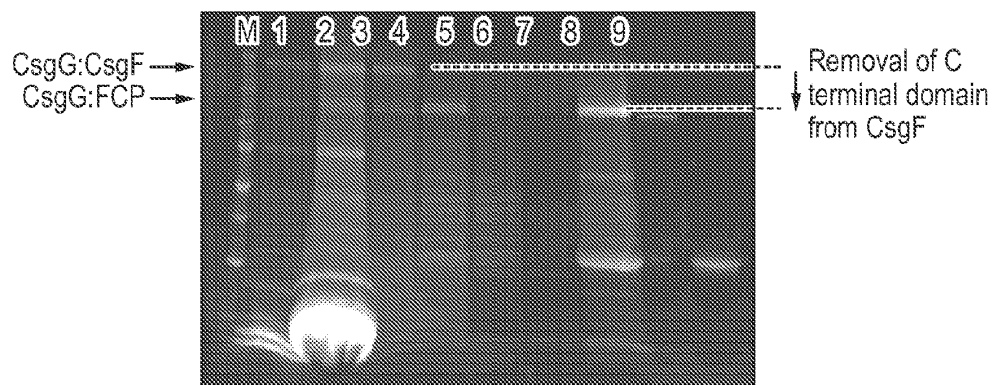


Fig. 16A

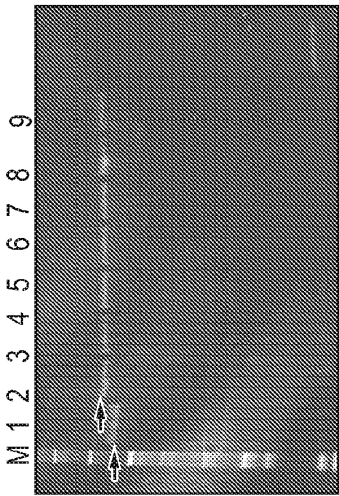


Fig. 16B

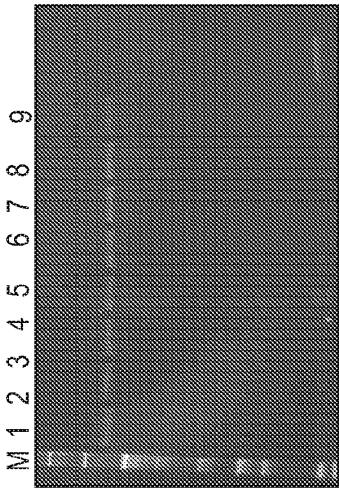


Fig. 16C

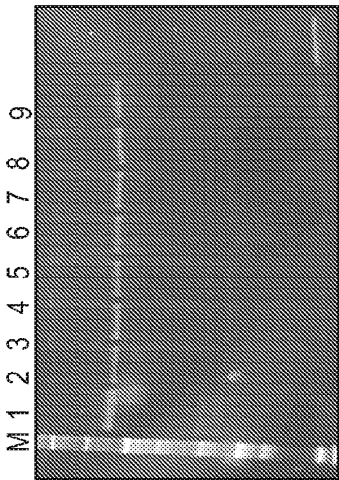


Fig. 17

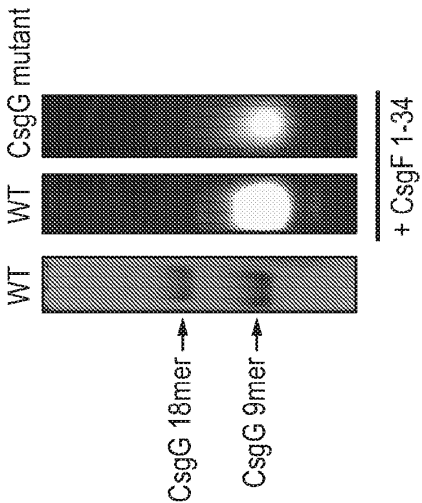
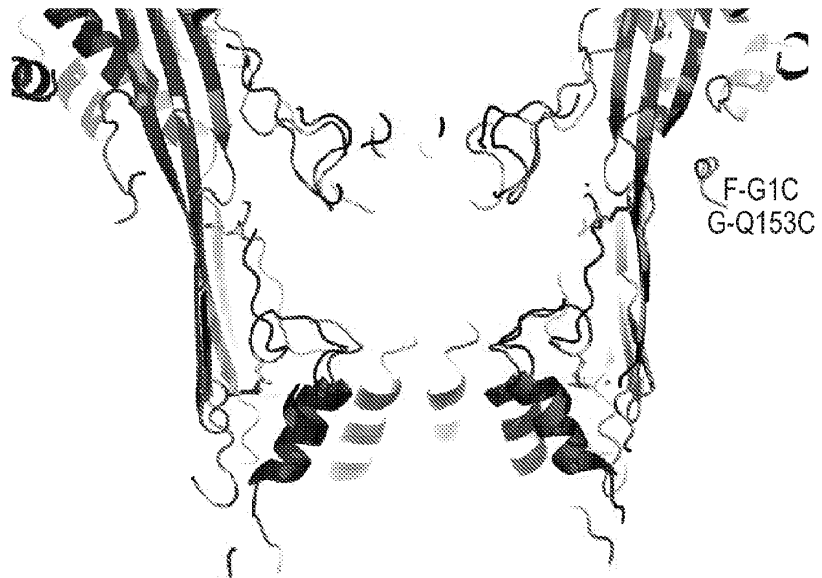


Fig. 18A

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

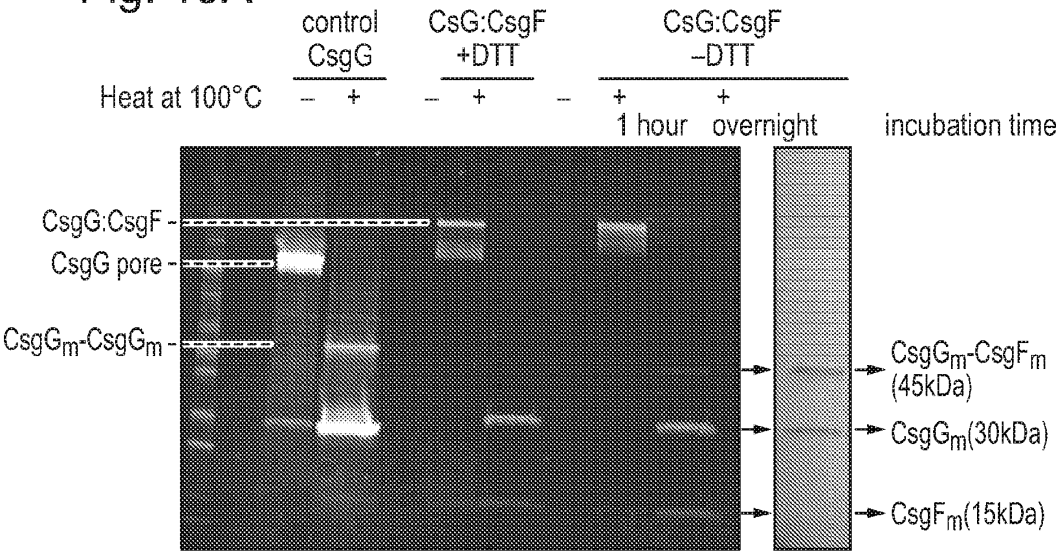
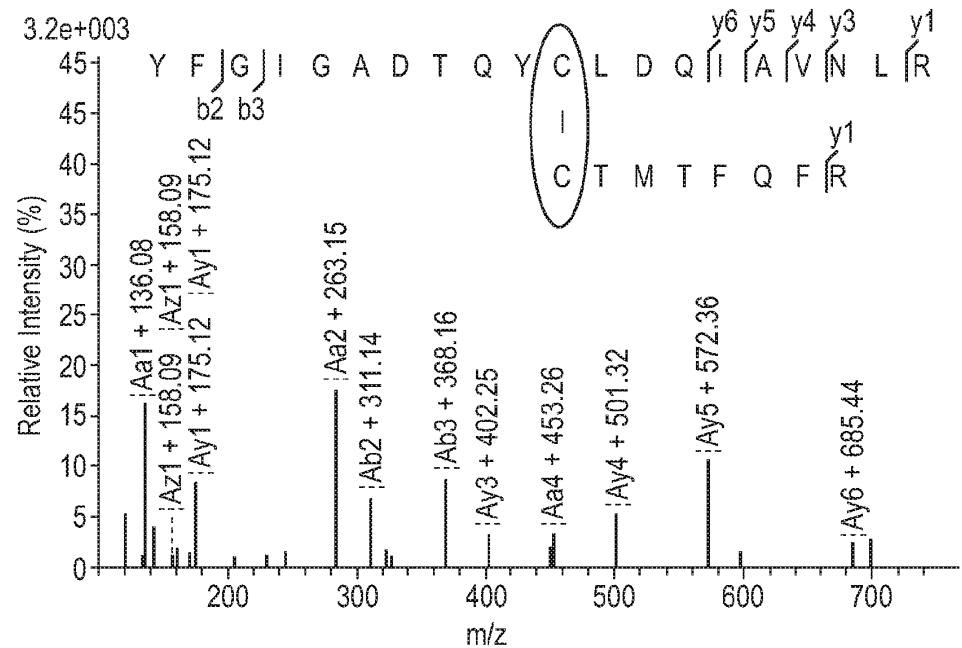


Fig. 19B

MS analysis of the S-S complex

Seq: YFGIGADTQYCLDQIAVNLR-CTMTFQFE Score: 6.86e-005



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Fig. 20

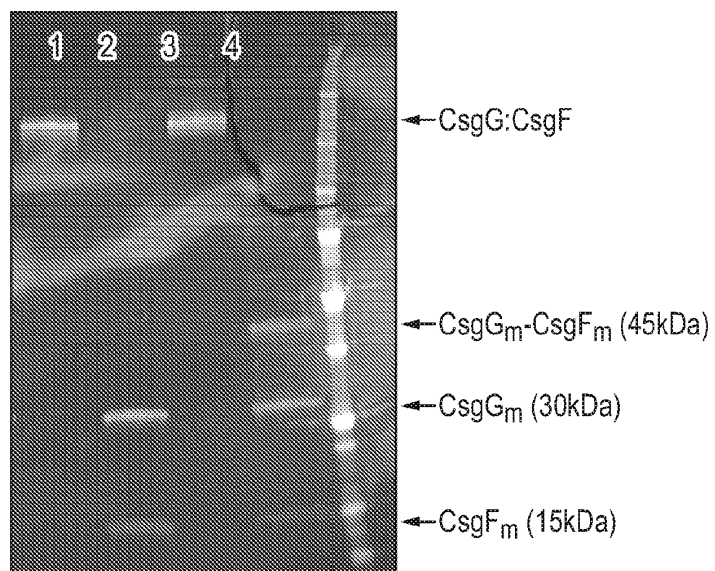


Fig. 21A

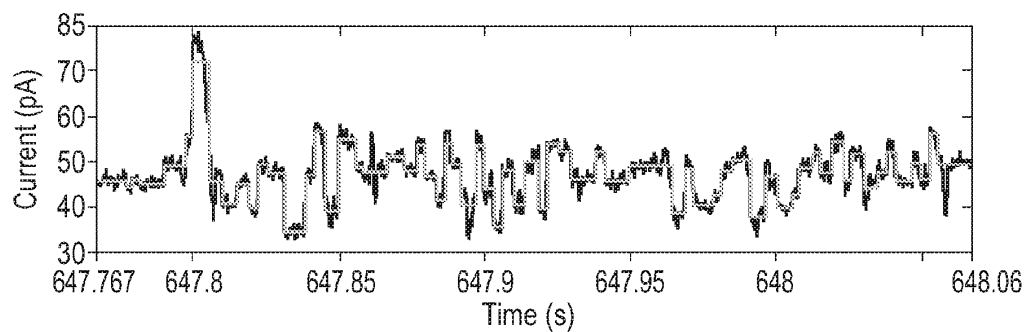
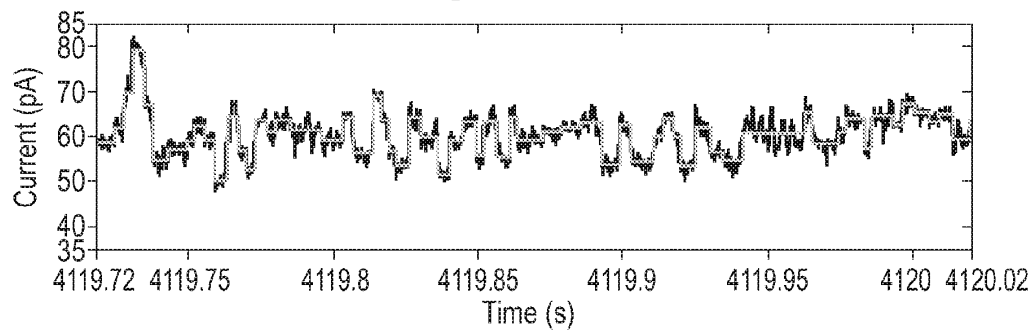


Fig. 21B



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Fig. 22A

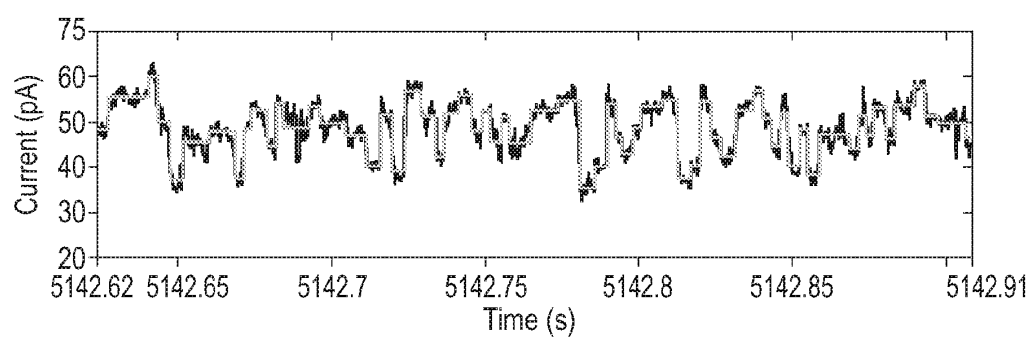
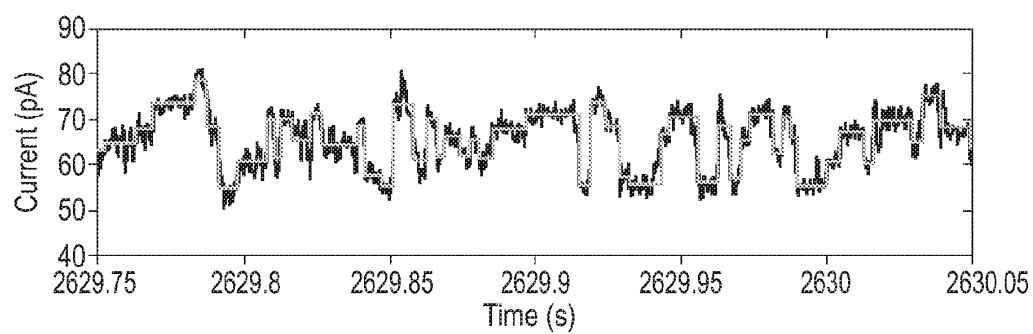


Fig. 22B



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Fig. 23A

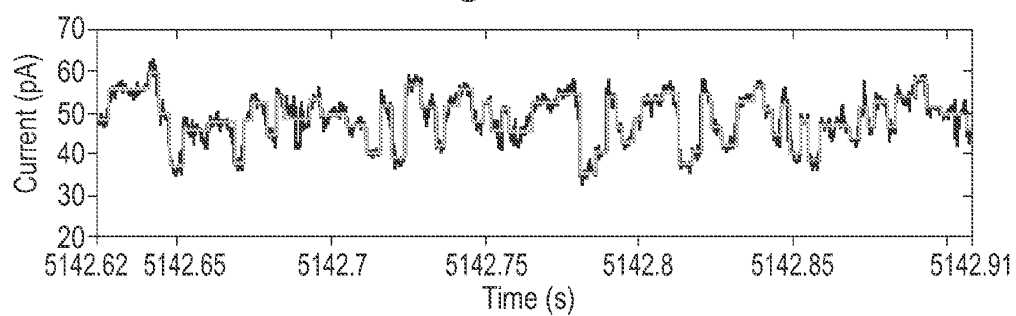


Fig. 23B

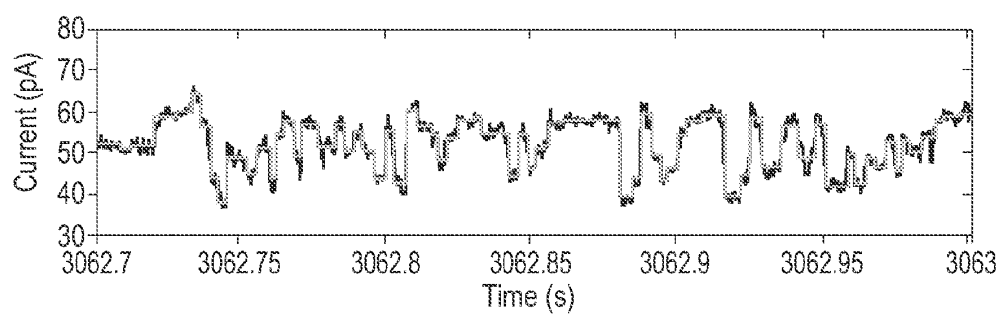
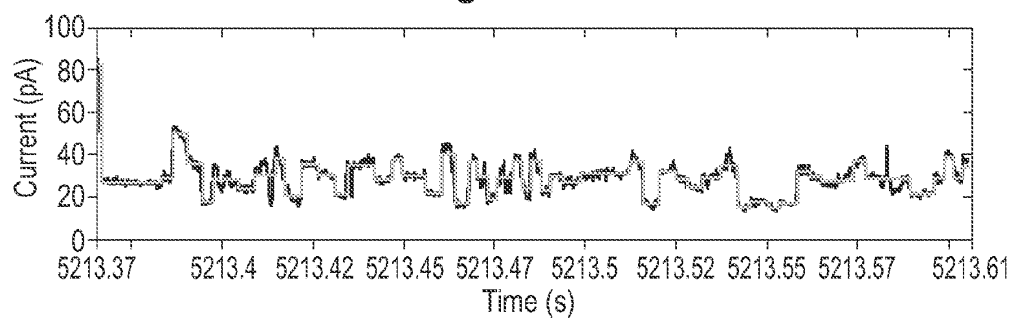


Fig. 23C



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Fig. 23D

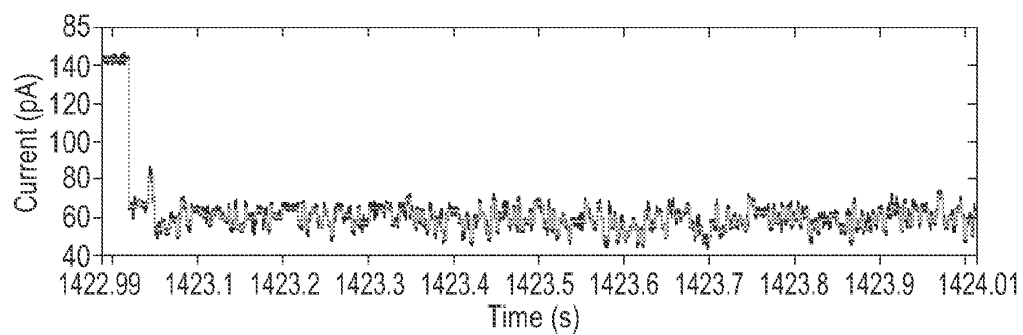


Fig. 23E

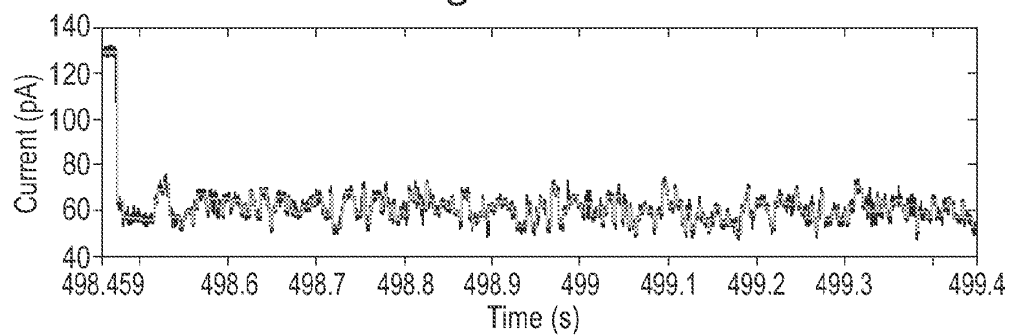
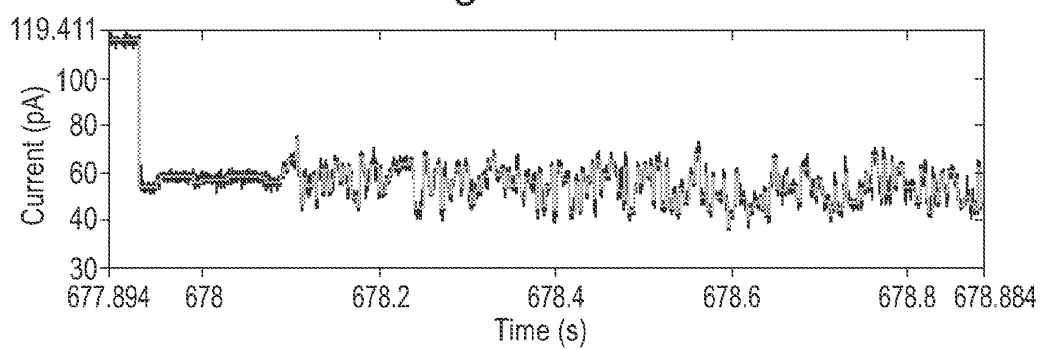


Fig. 23F



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Fig. 24A

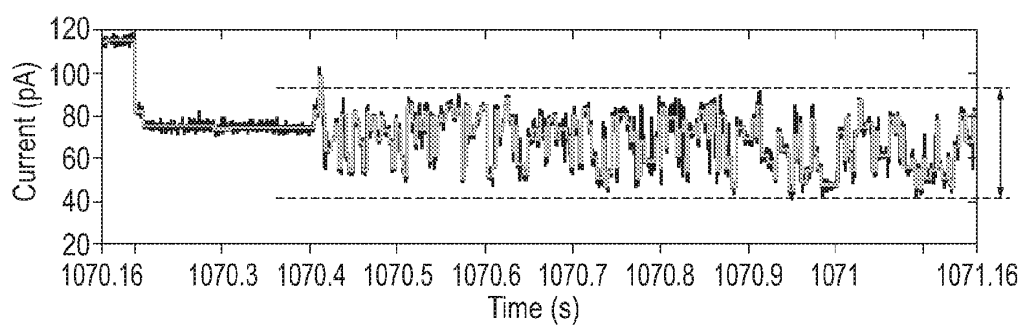


Fig. 24B

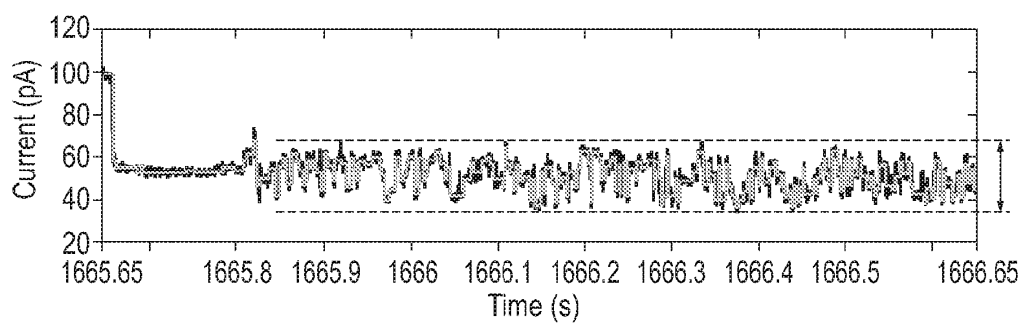


Fig. 24C

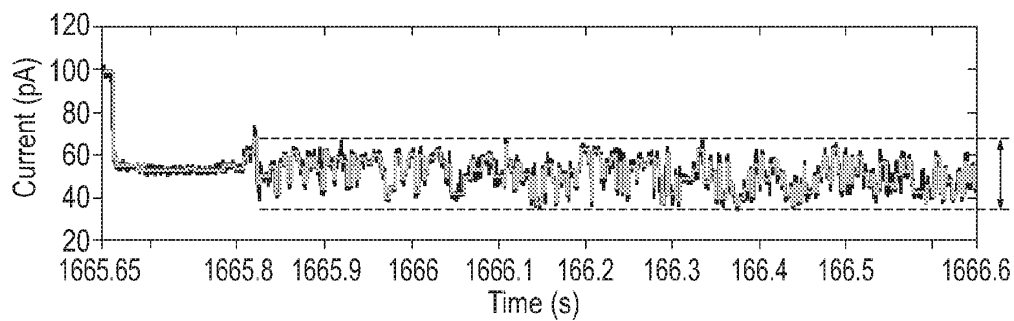
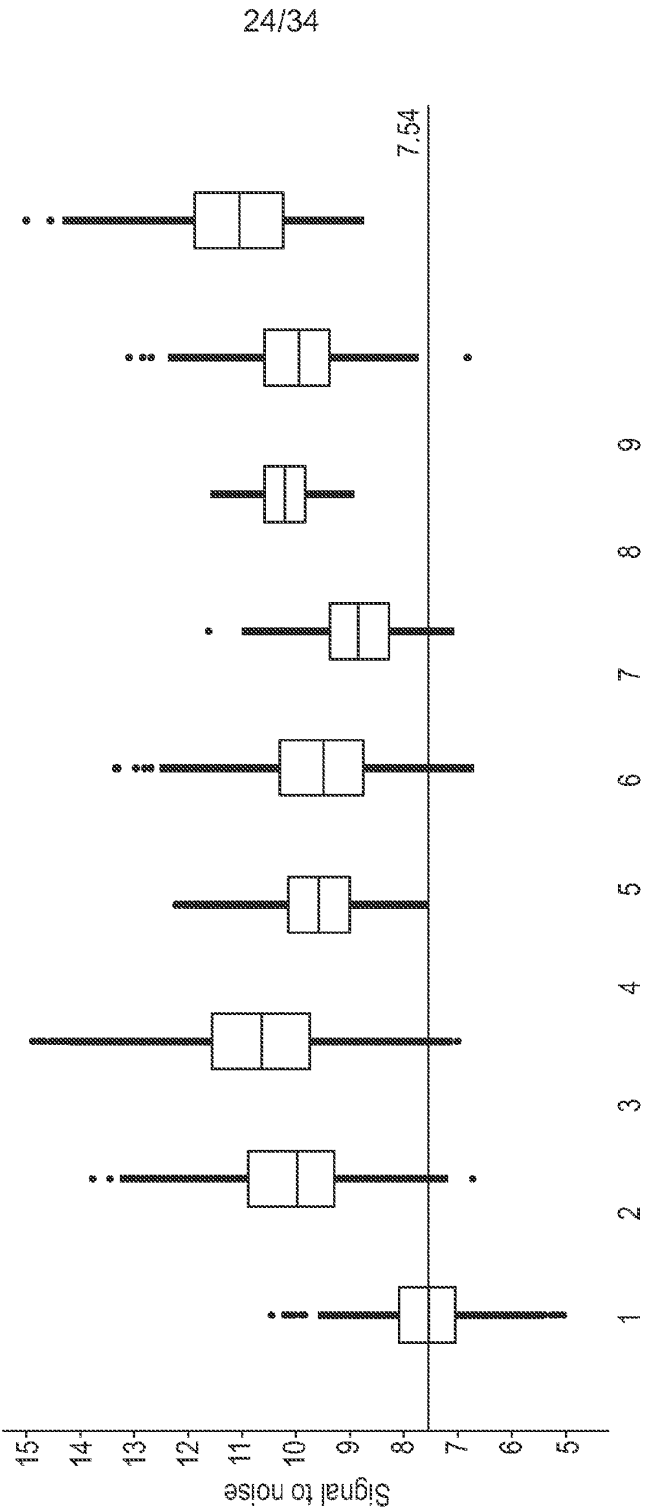


Fig. 25



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Fig. 26A

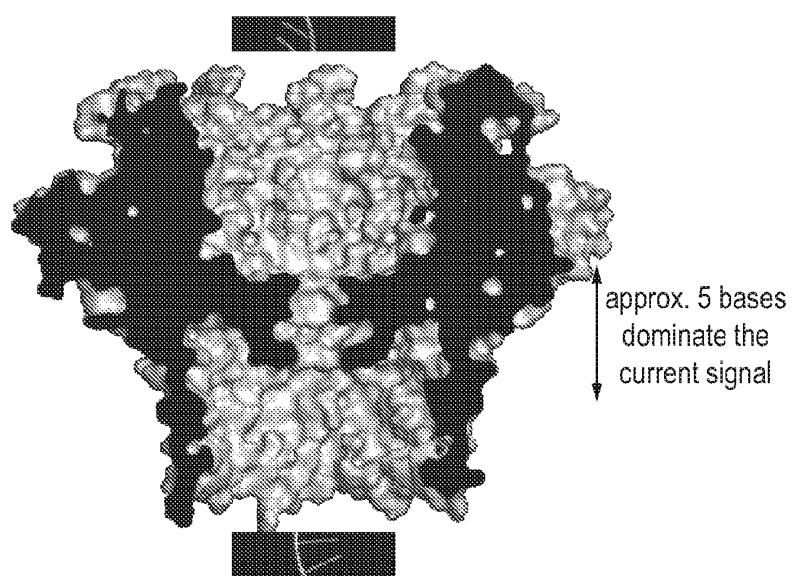


Fig. 26B

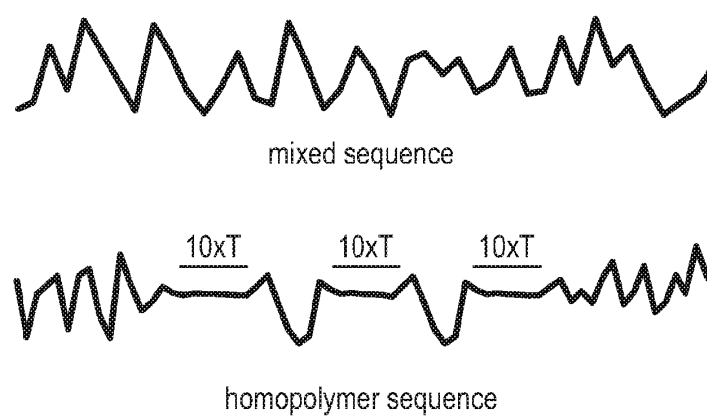
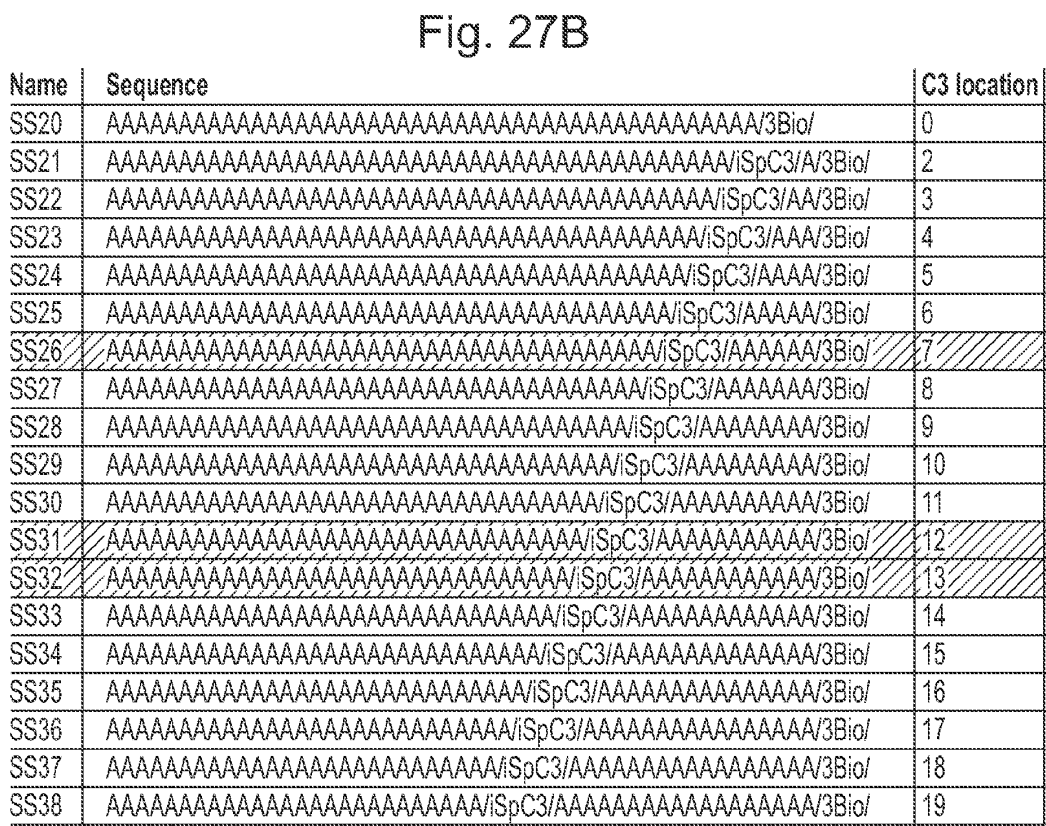


Fig. 27A



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Fig. 27C

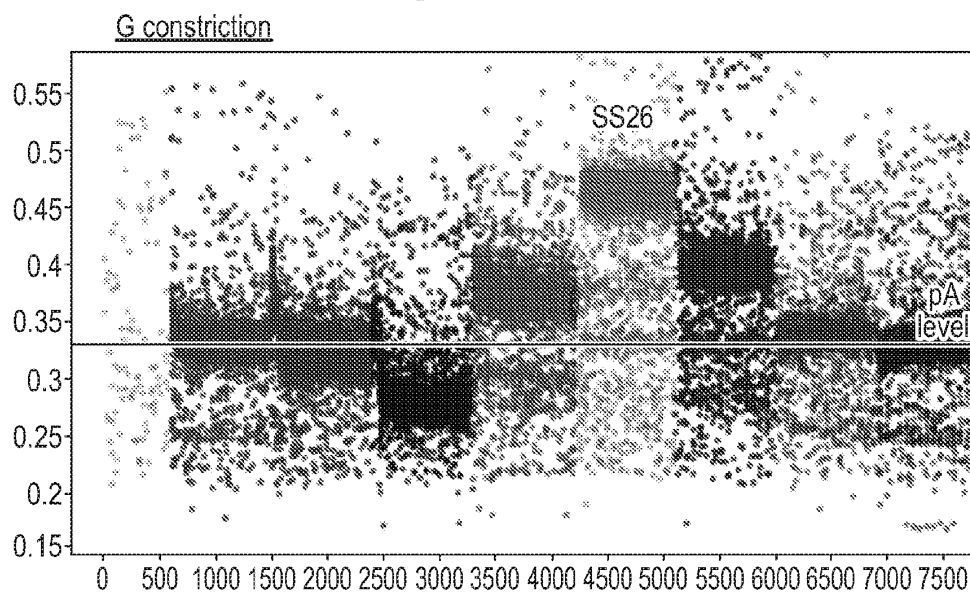


Fig. 27D

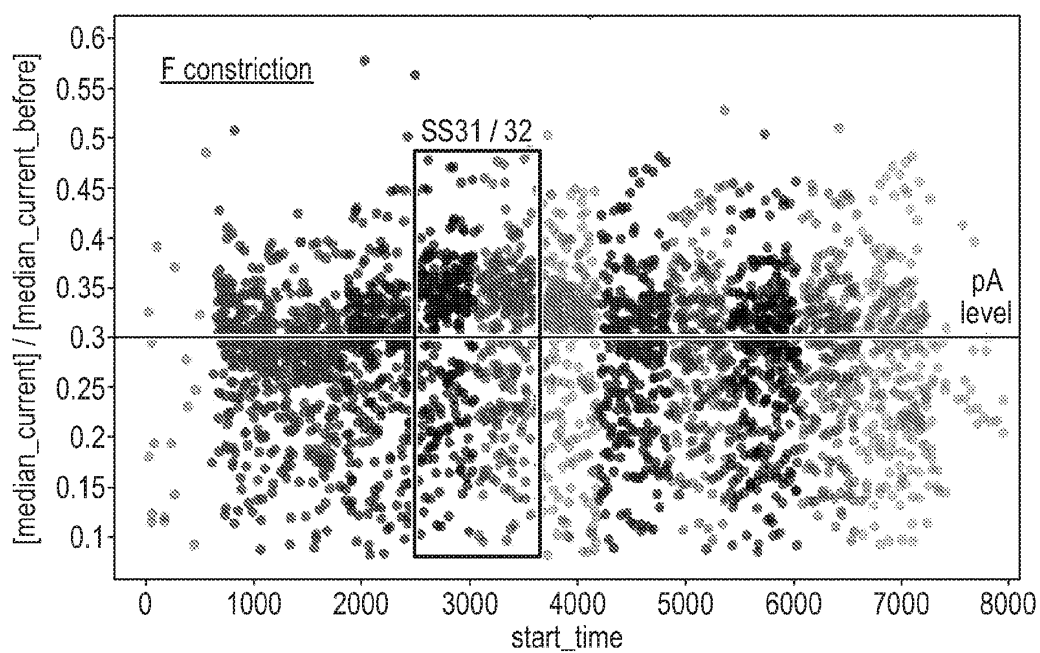


Fig. 28A

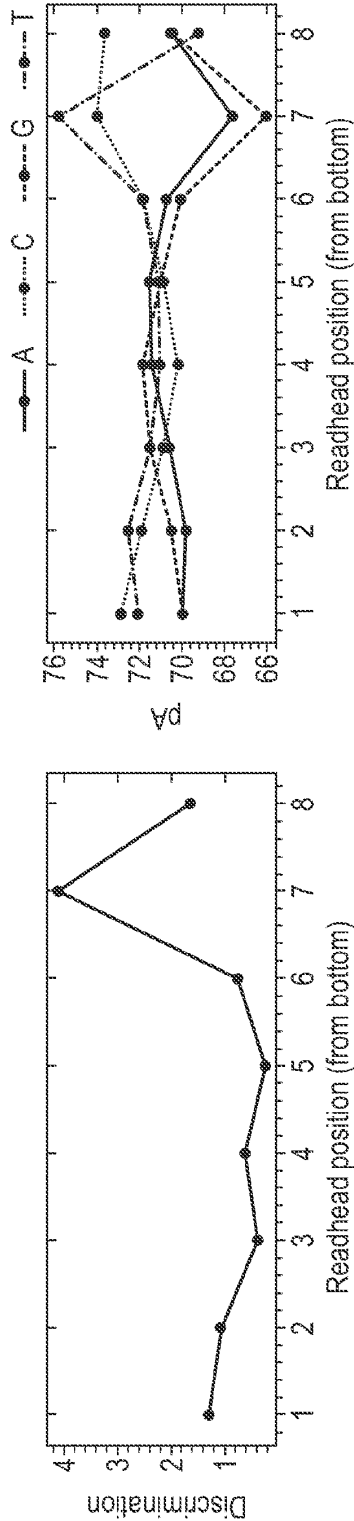
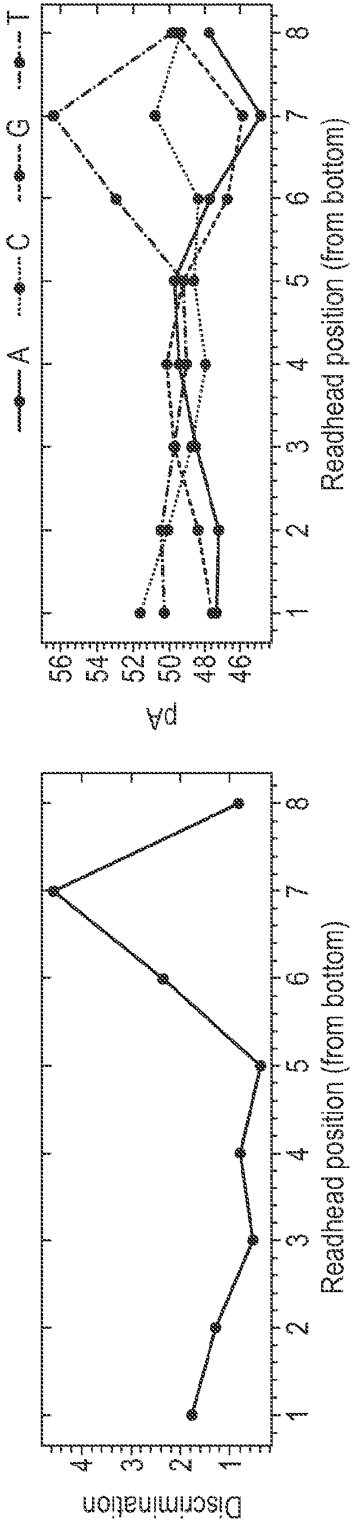


Fig. 28B



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Fig. 29A

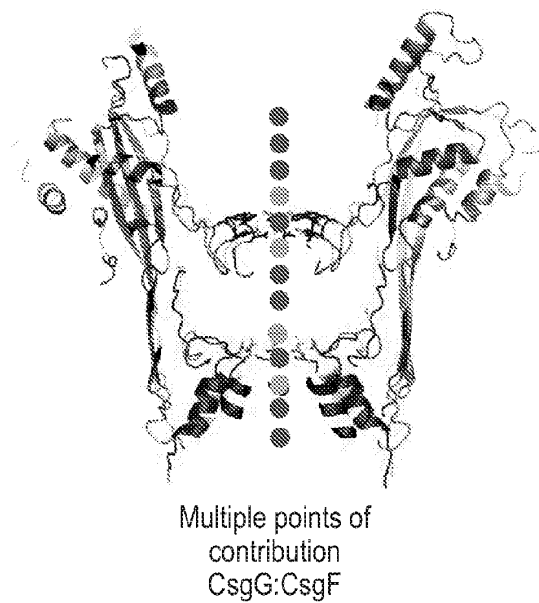


Fig. 29B

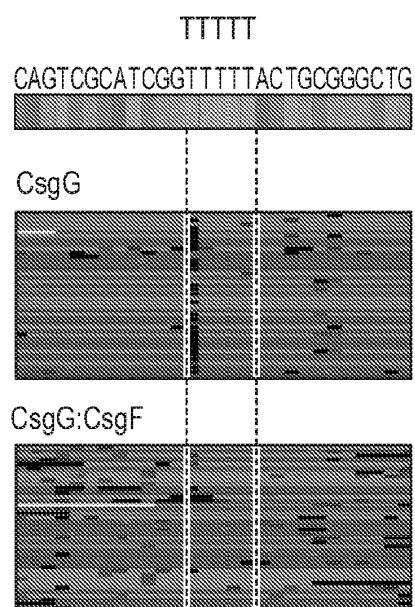


Fig. 29C

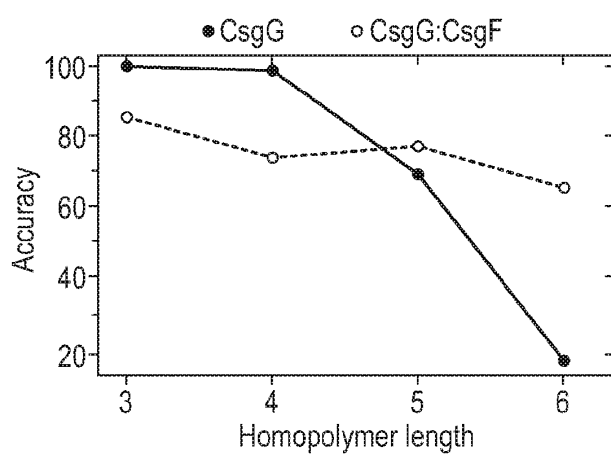


Fig. 30C

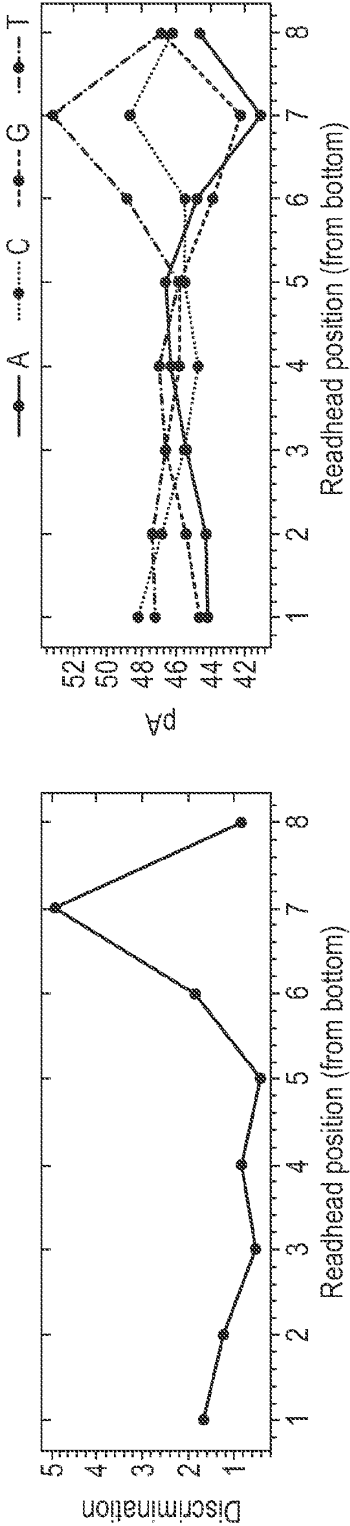


Fig. 30D

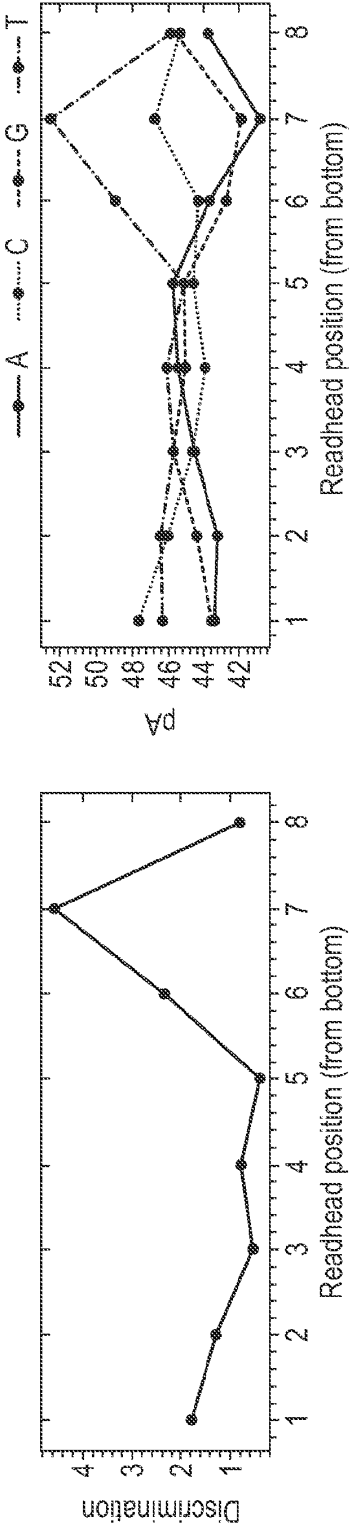


Fig. 30E

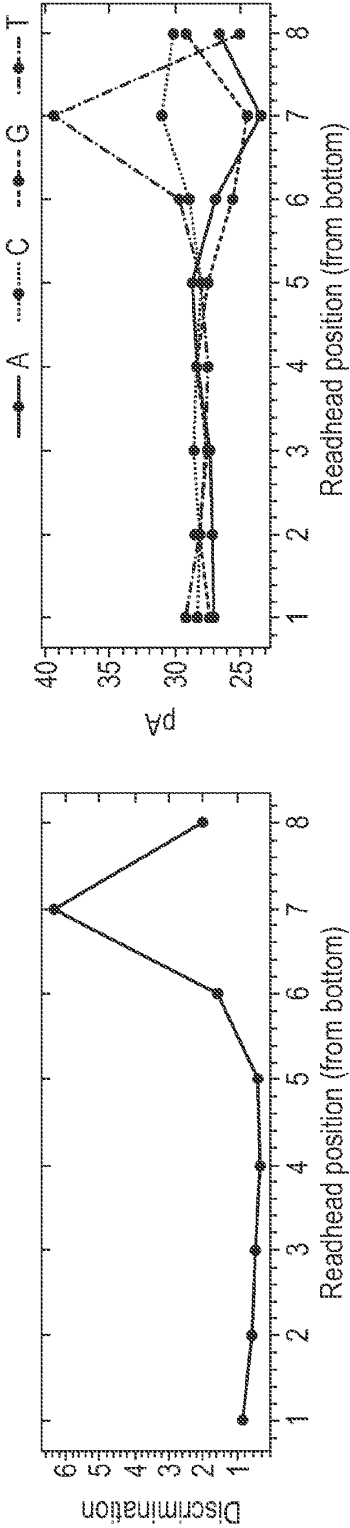


Fig. 30F

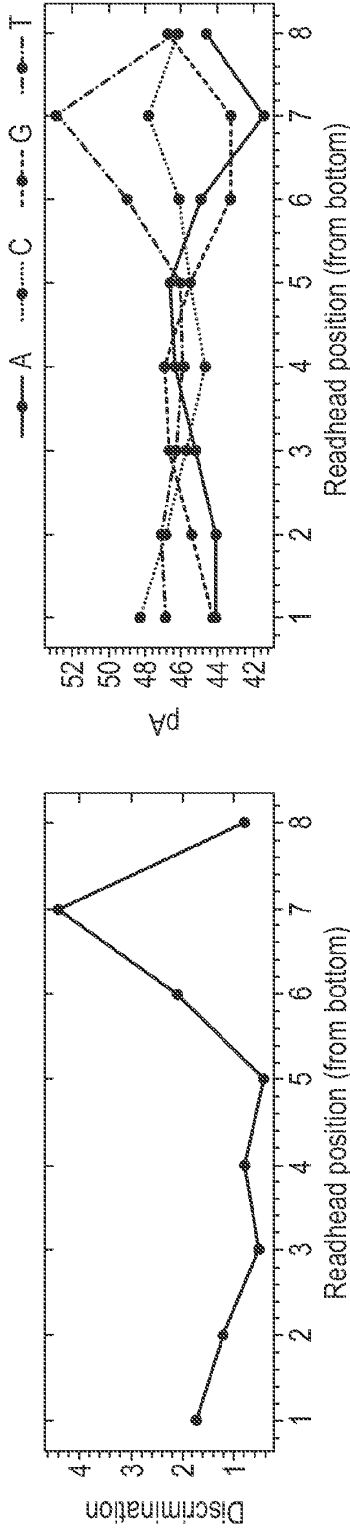


Fig. 30G

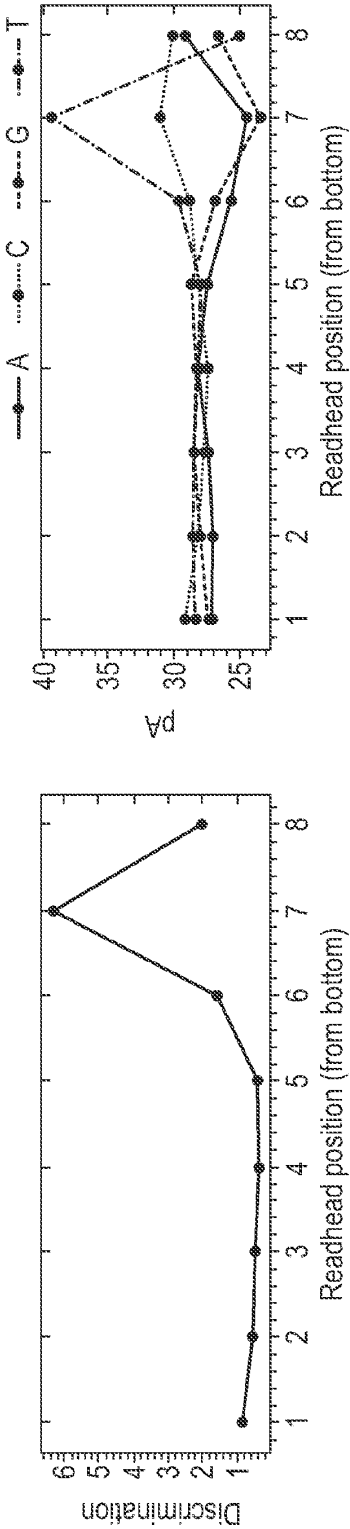
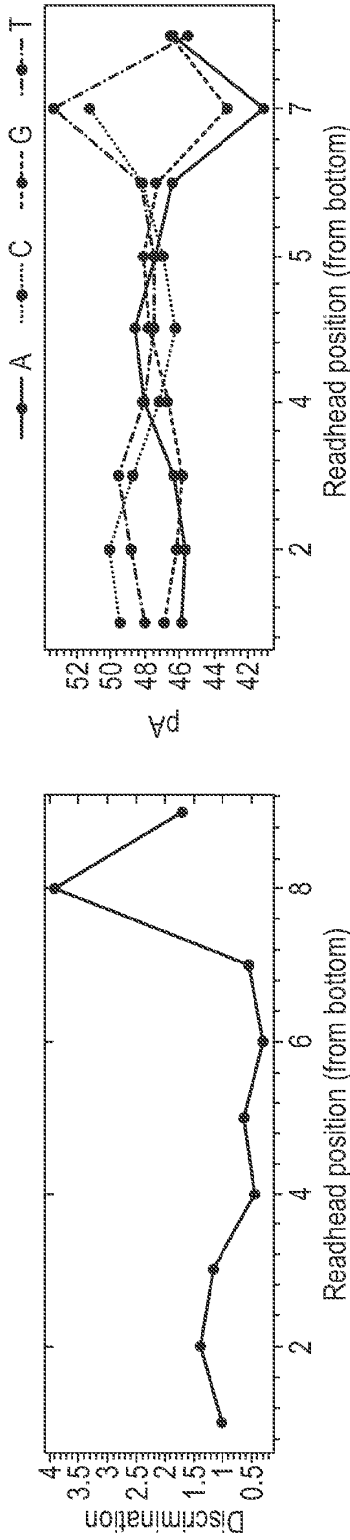


Fig. 30H



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Fig. 31A

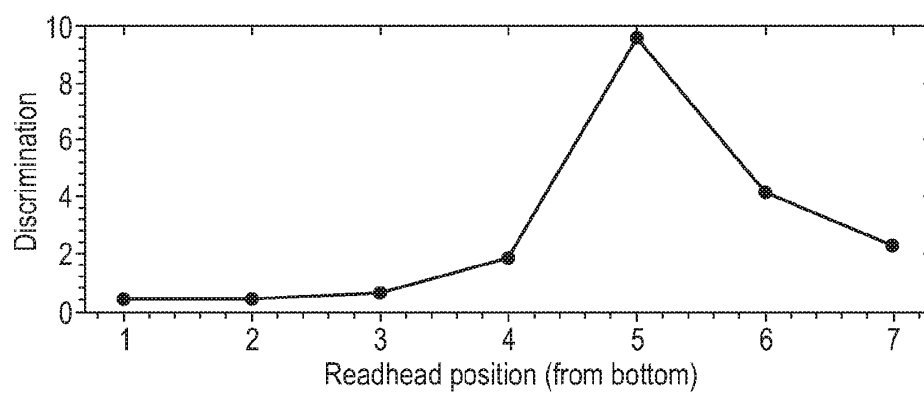


Fig. 31B

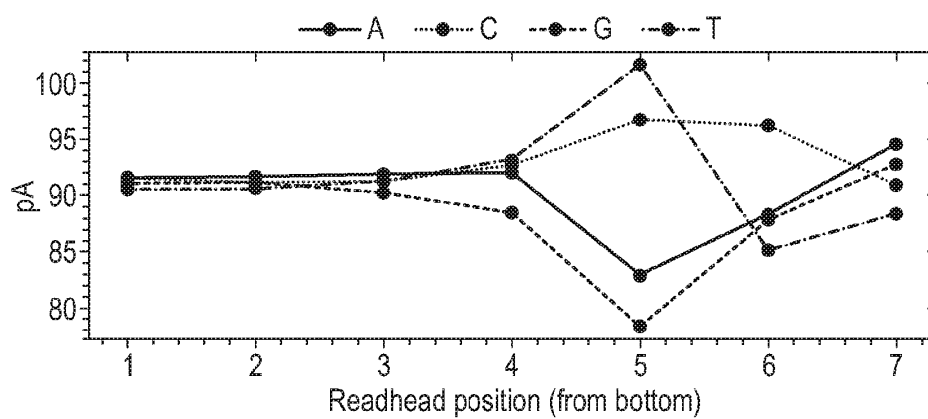


Fig. 31C

