

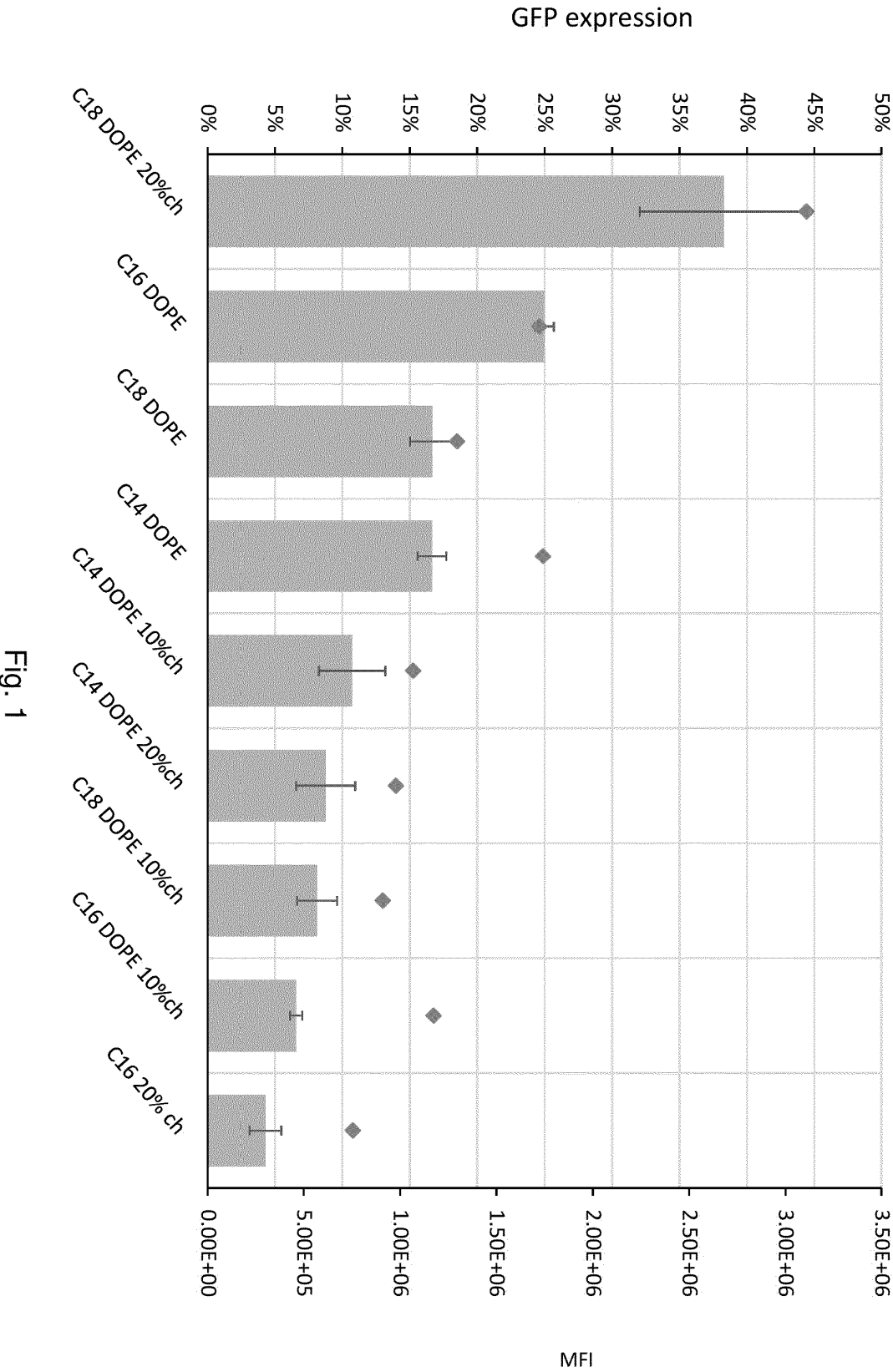


Fig. 1

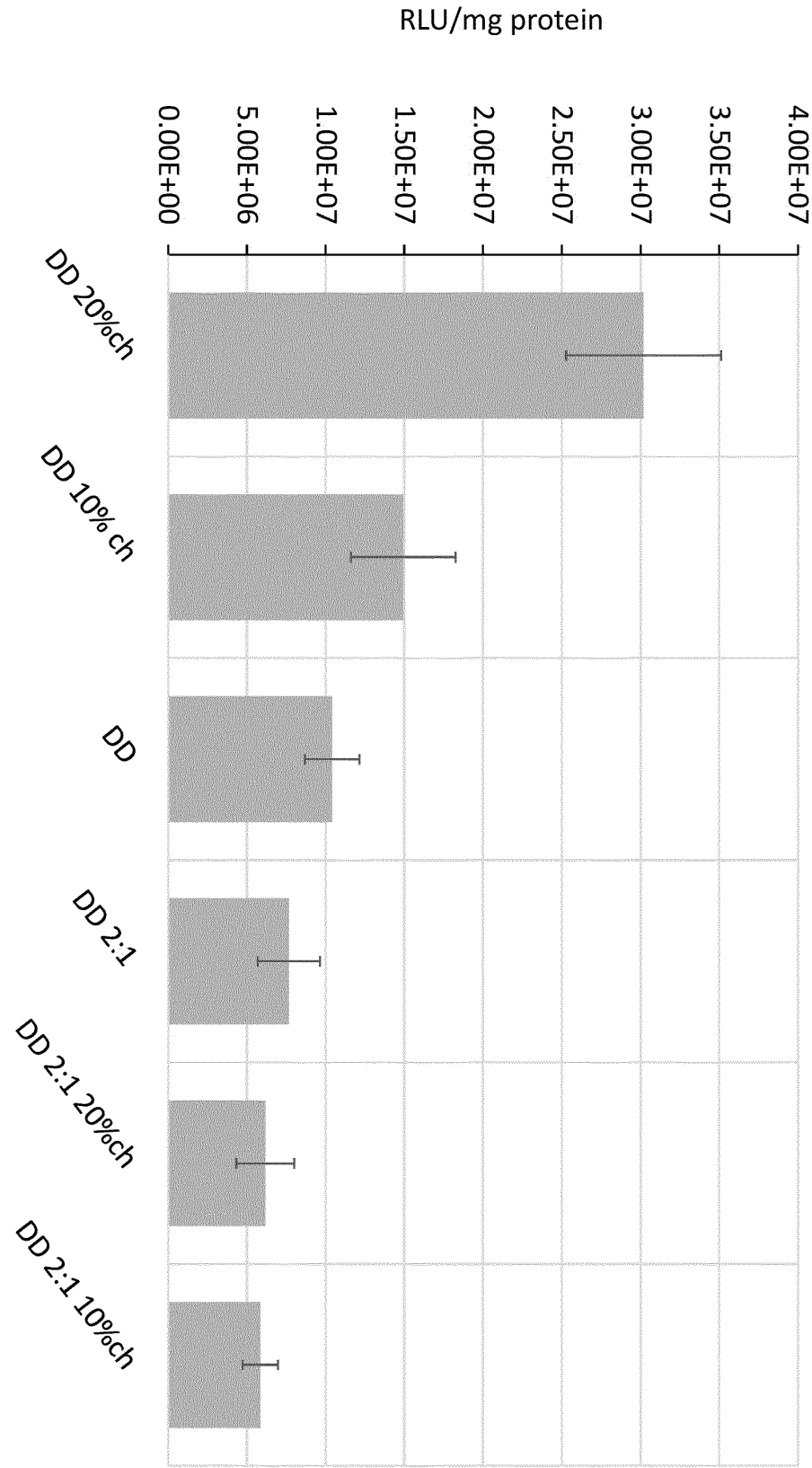


Fig. 2

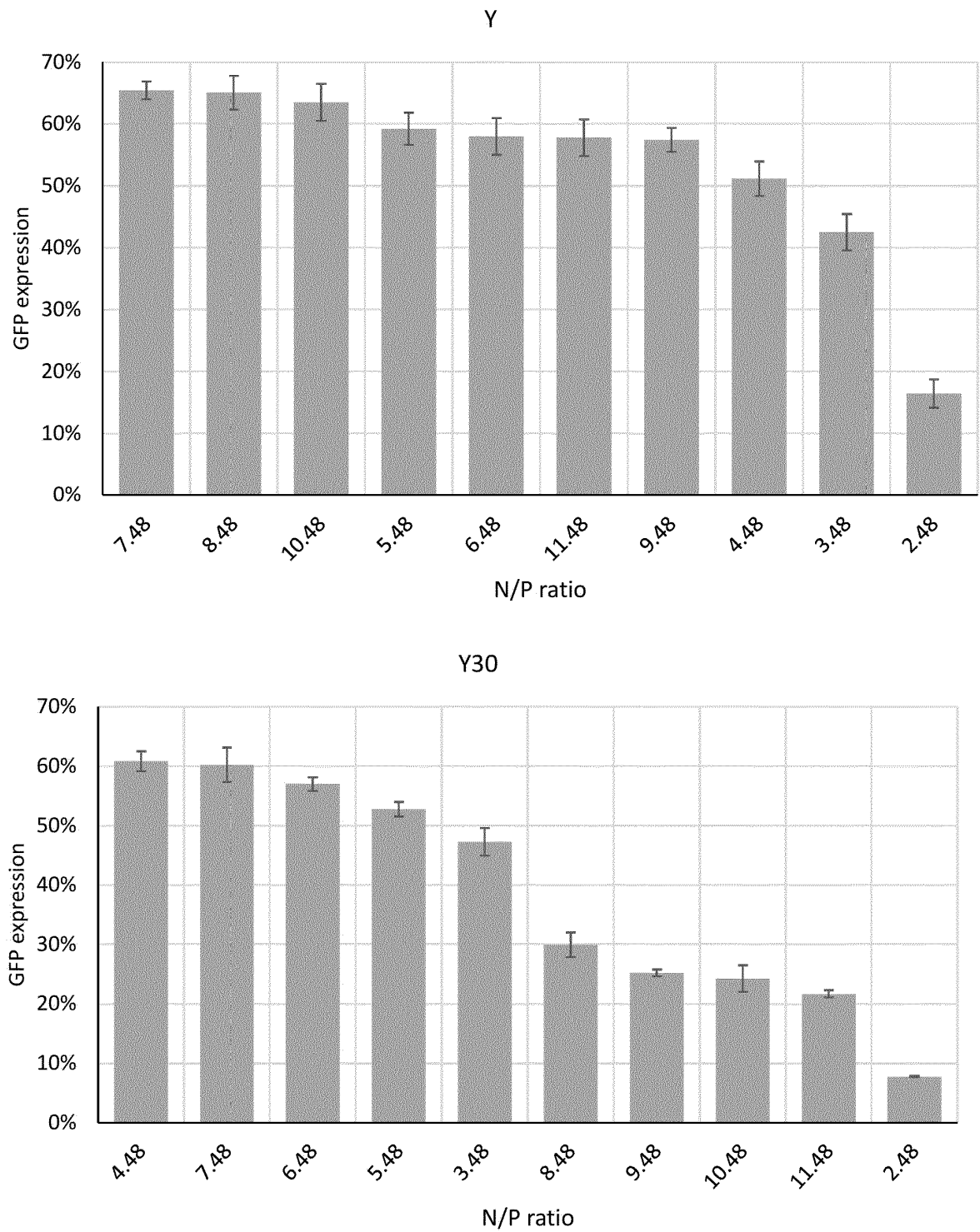


Fig. 3

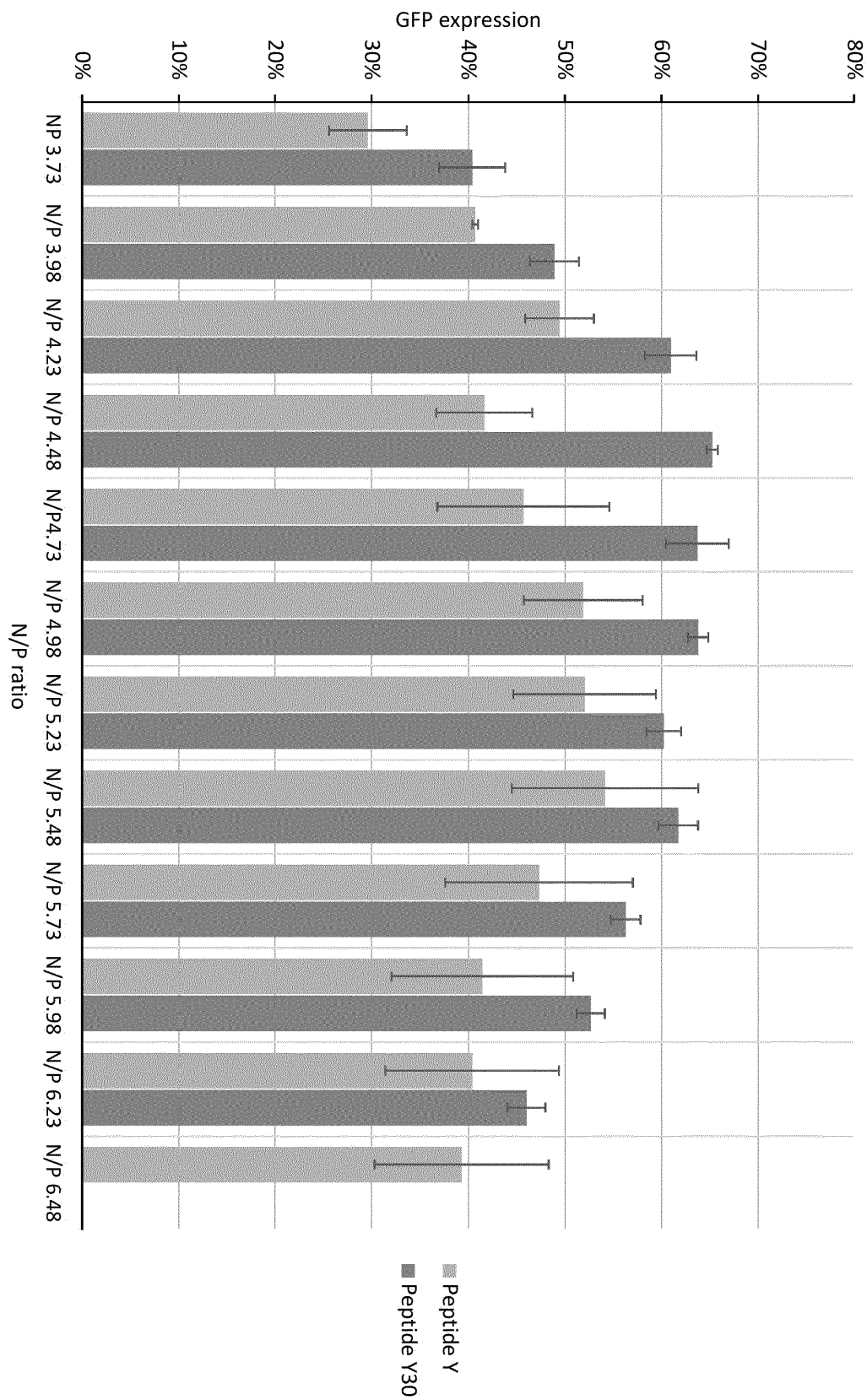


Fig. 4

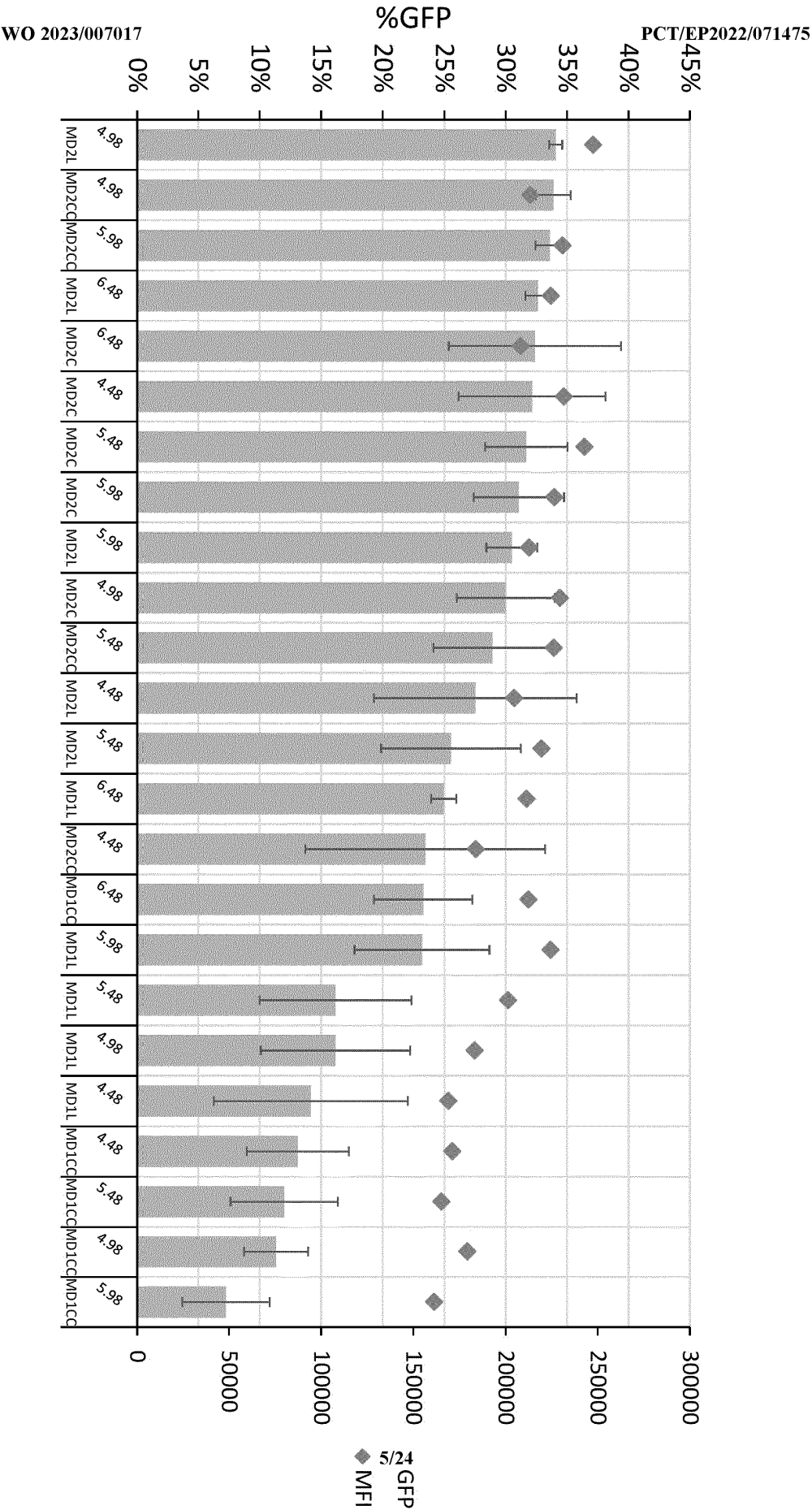


Fig. 5

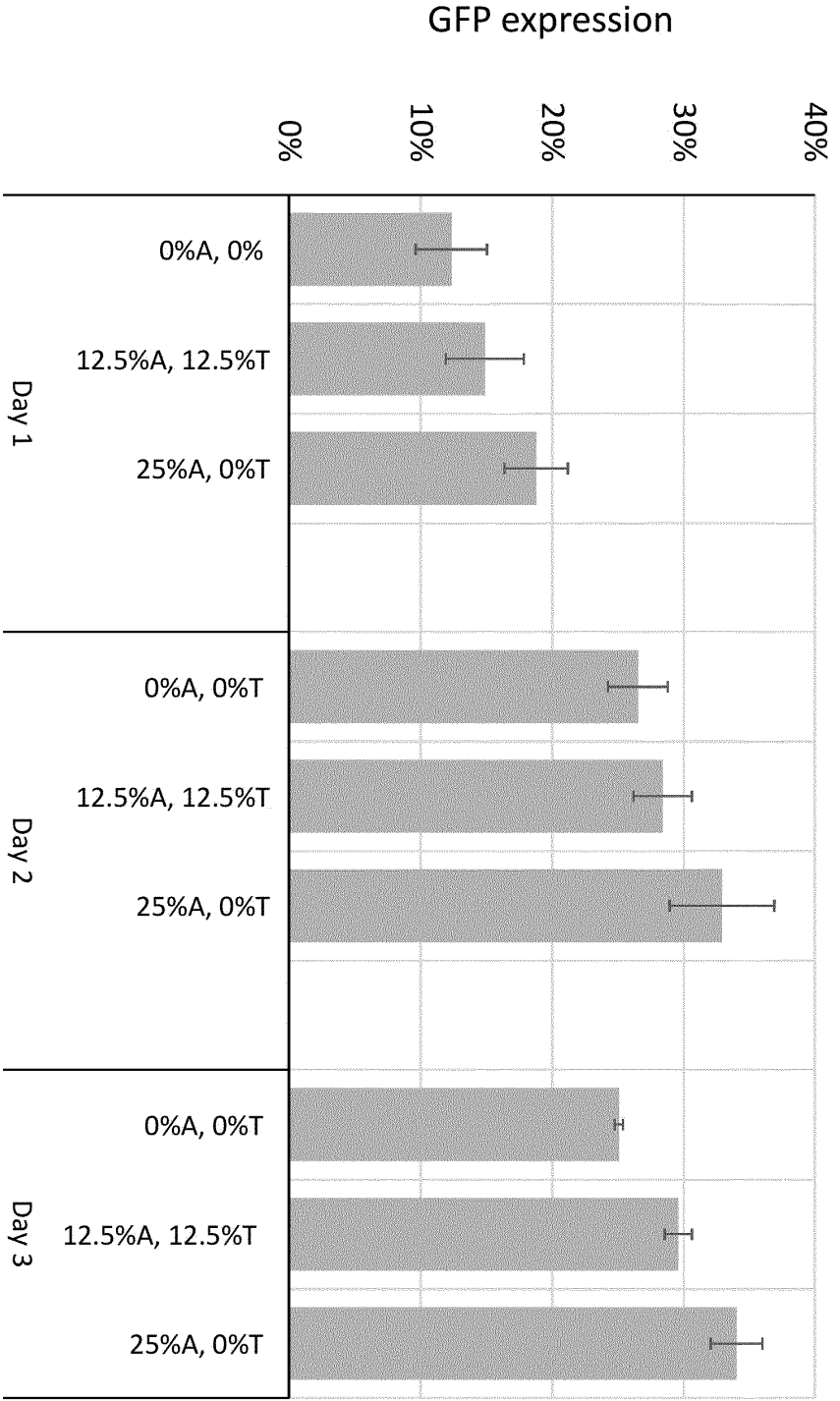


Fig. 6

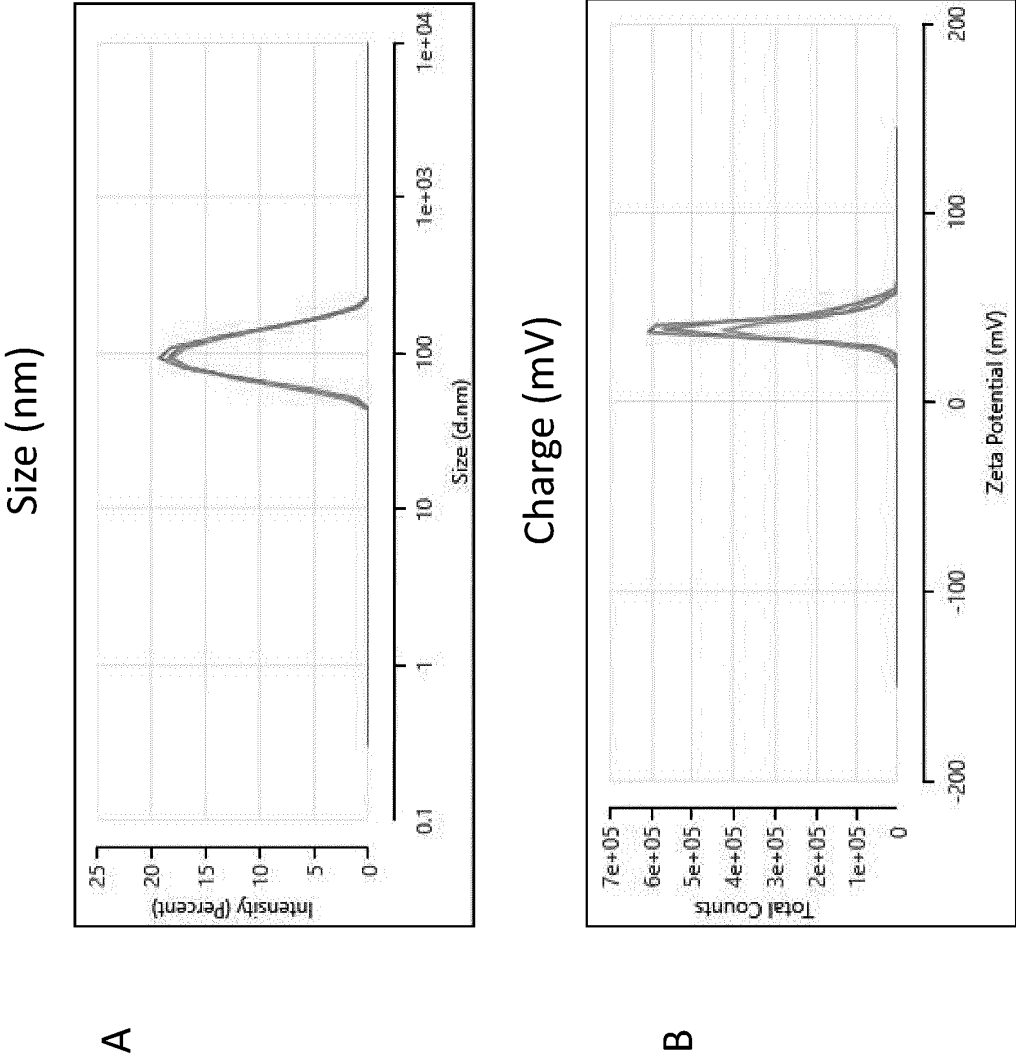
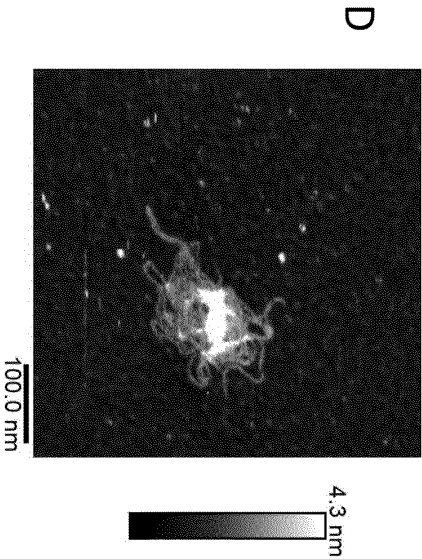
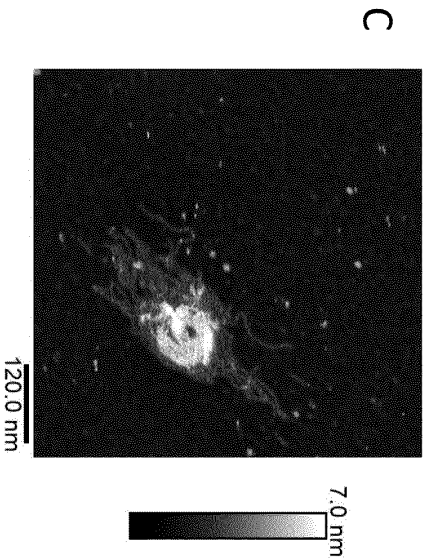
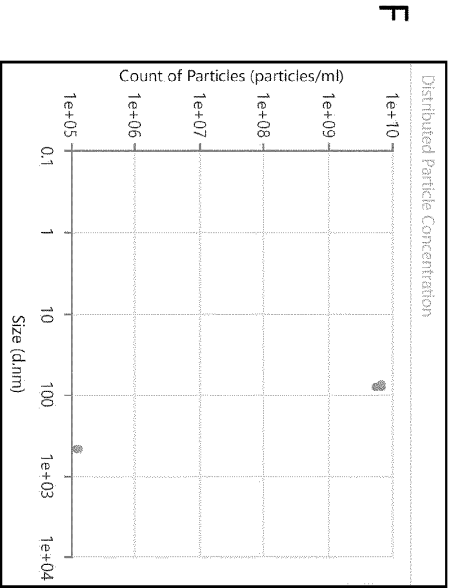
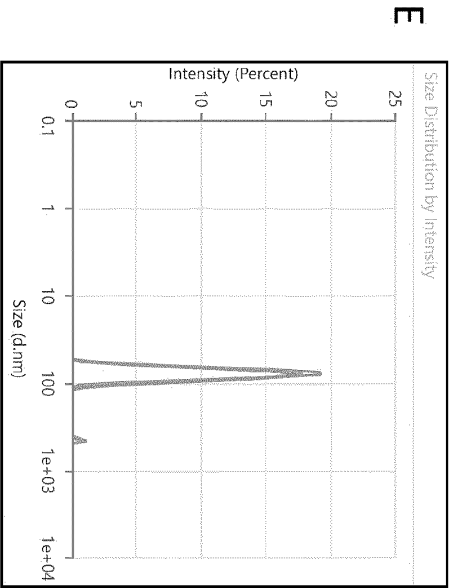


Fig. 7a

AFM



Concentration



1 in 100 dilution

Fig. 7b

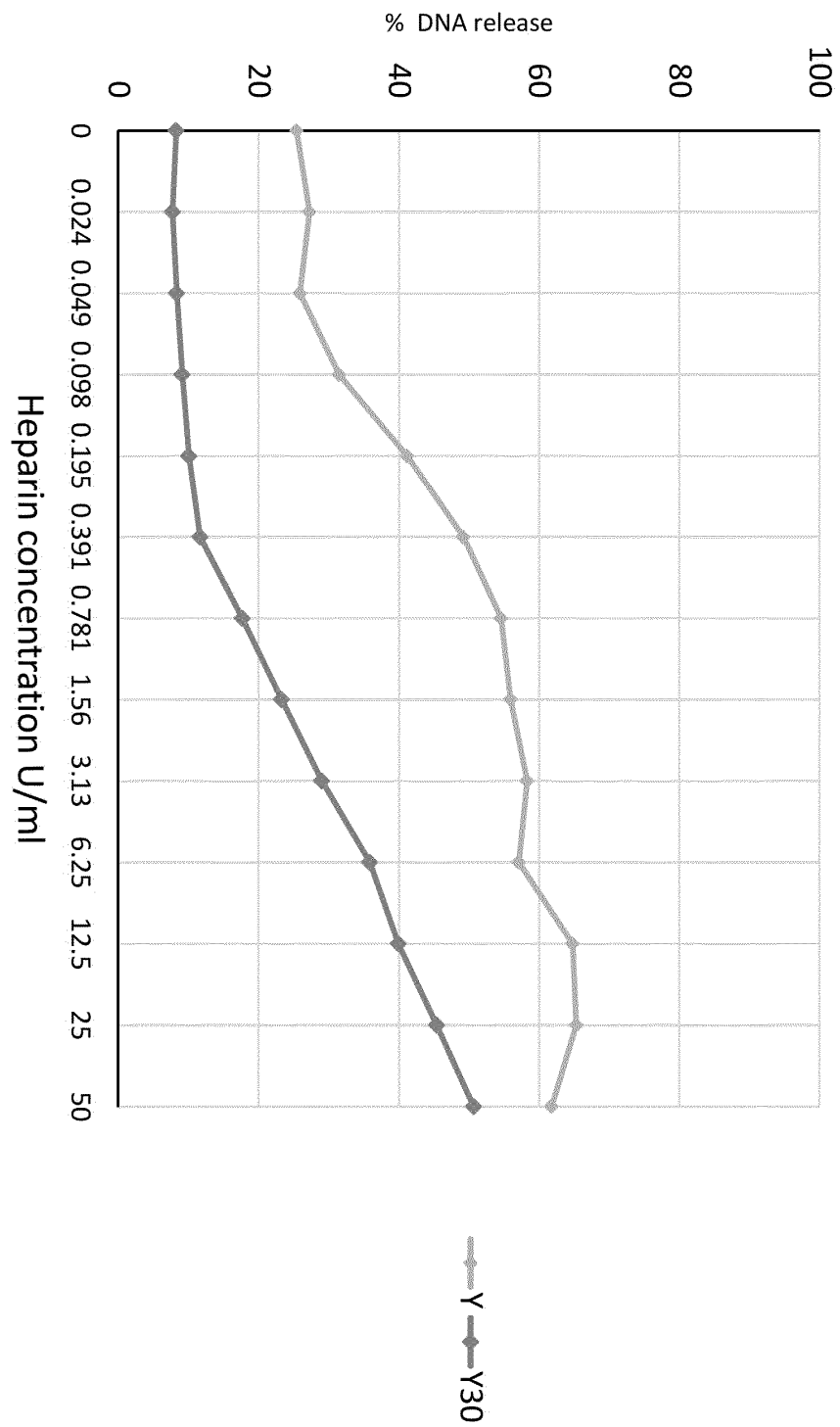


Fig. 8

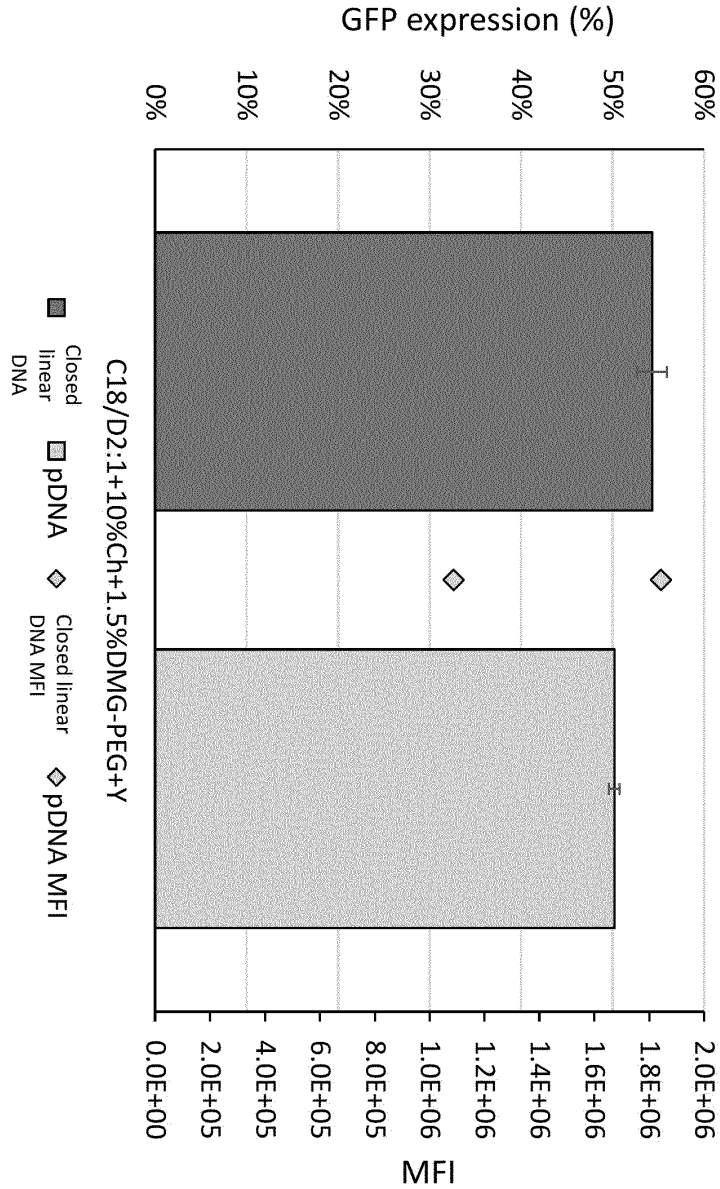
Peptide	N/P ratio	Z-Average (nm)	PDI	Zeta-Potential (mV)
Y	N/P 5.48	131.6 ± 2.09	0.18	31.11 ± 1.05
	N/P 6.48	125.3 ± 1.38	0.21	39.93 ± 0.18
	N/P 7.48	124.1 ± 1.63	0.22	40.5 ± 1.23
	N/P 8.48	123 ± 1.94	0.19	40.08 ± 2.66
Y30	N/P 9.48	124 ± 0.77	0.18	38.86 ± 2.38
	N/P 5.48	126.8 ± 1.47	0.19	35.11 ± 1.38
	N/P 6.48	124.1 ± 4.34	0.17	45.23 ± 2.23
	N/P 7.48	125.5 ± 3.94	0.19	30.49 ± 8.47
	N/P 8.48	123.7 ± 0.15	0.19	46.03 ± 1.93
	N/P 9.48	125.1 ± 1.53	0.19	37.47 ± 5.47

Fig. 9

Peptide name	Peptide sequence	DNA binding domain	Targeting sequence
MD1CC	K16RV/RRGACASSLNIA	K16	ASSLNIA
MD1C	K16GACASSLNIA	K16	ASSLNIA
MD1L	K16GAASSLNIA	K16	ASSLNIA
MD2CC	K16RV/RRGACRRQPPRSISSHP	K16	RRQPPRSISSHP
MD2C	K16GACRRQPPRSISSHP	K16	RRQPPRSISSHP
MD2L	K16GARRRQPPRSISSHP	K16	RRQPPRSISSHP
MD3CC	K16RV/RRGACSKTFNTHPOSTP	K16	SKTFNTHPOSTP
MD3C	K16GACSKTFNTHPOSTP	K16	SKTFNTHPOSTP
MD3L	K16GASKTFNTHPOSTP	K16	SKTFNTHPOSTP
Peptide Y	K16GACYGLPHKF	K16	YGLPHKF
Peptide Y30	K30GACYGLPHKF	K30	YGLPHKF

Fig. 10

Fig. 11



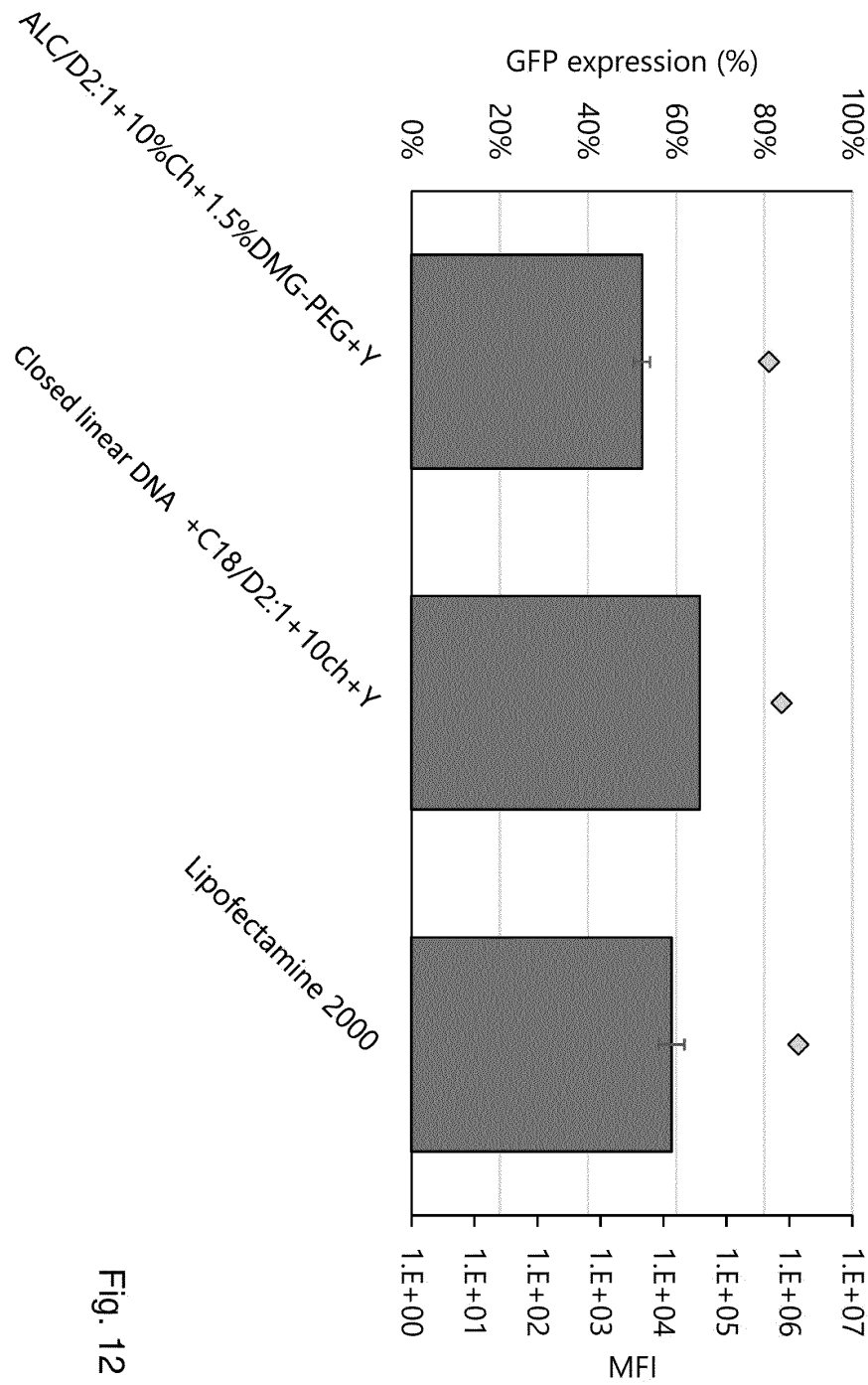


Fig. 12

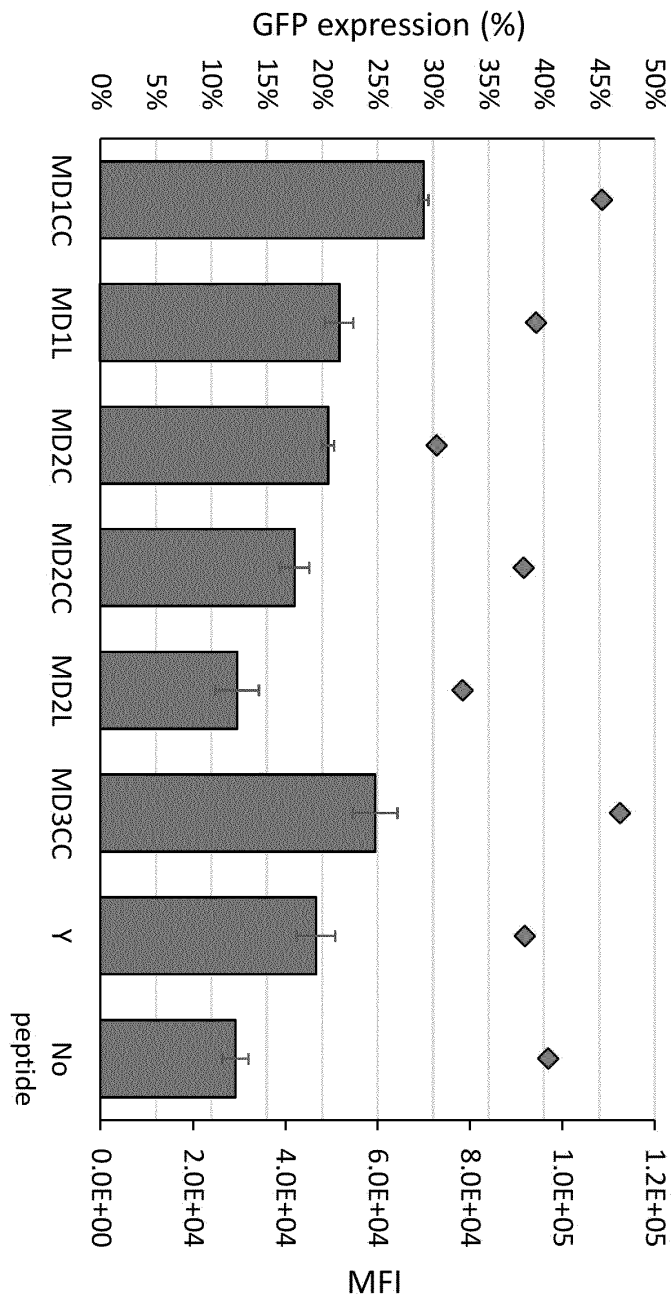


Fig. 13

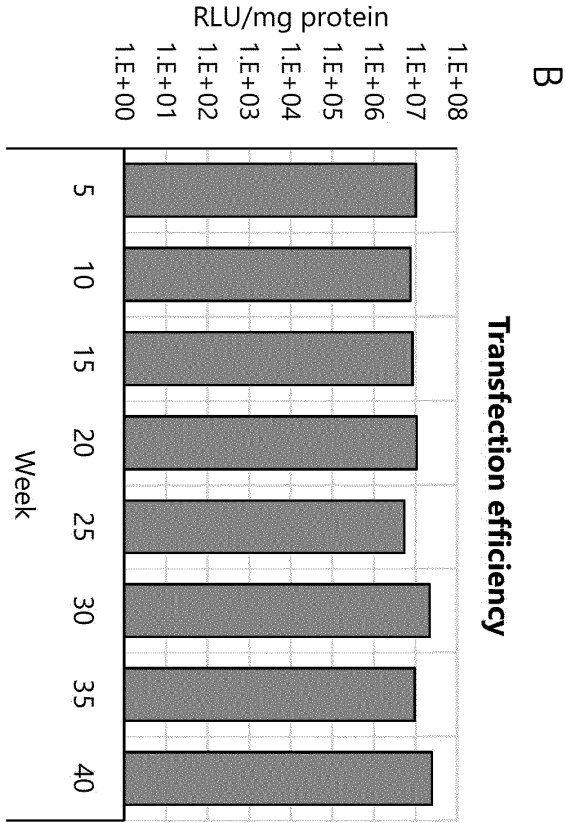
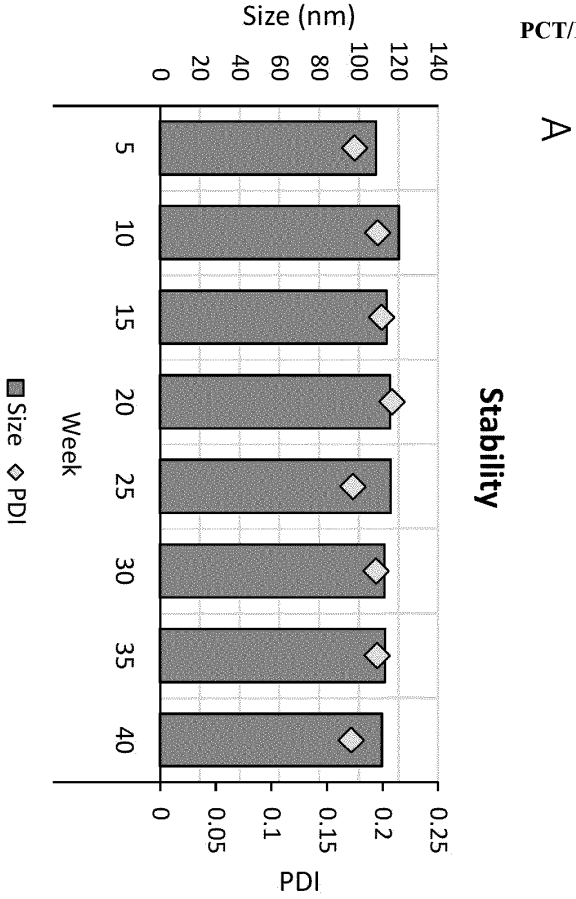


Fig. 14

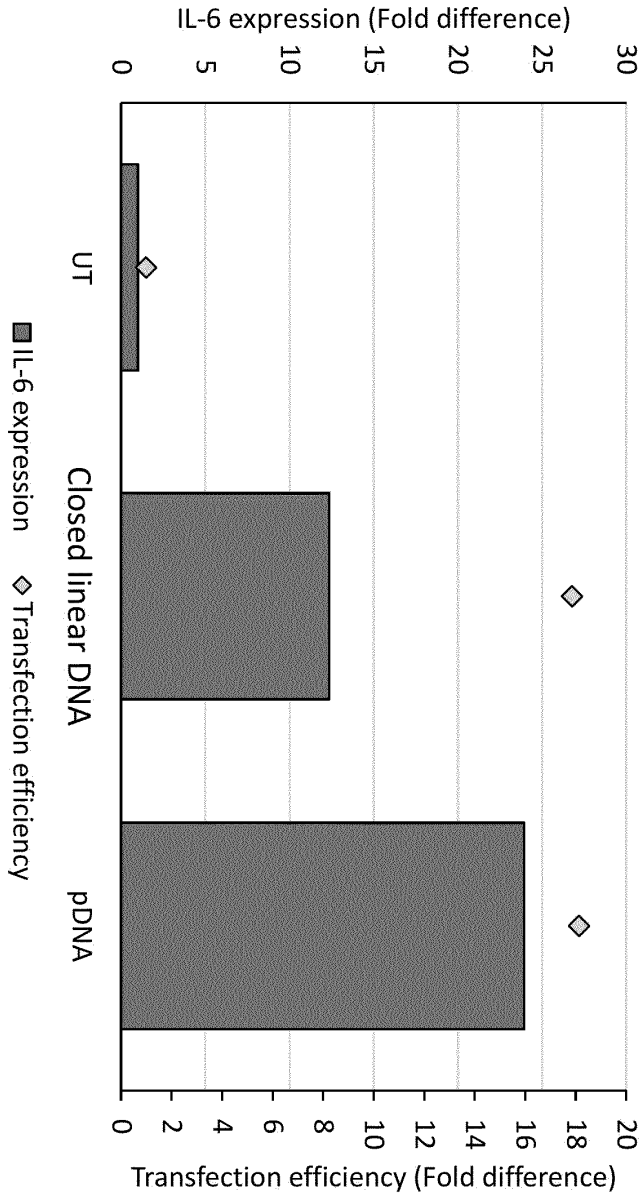


Fig. 15

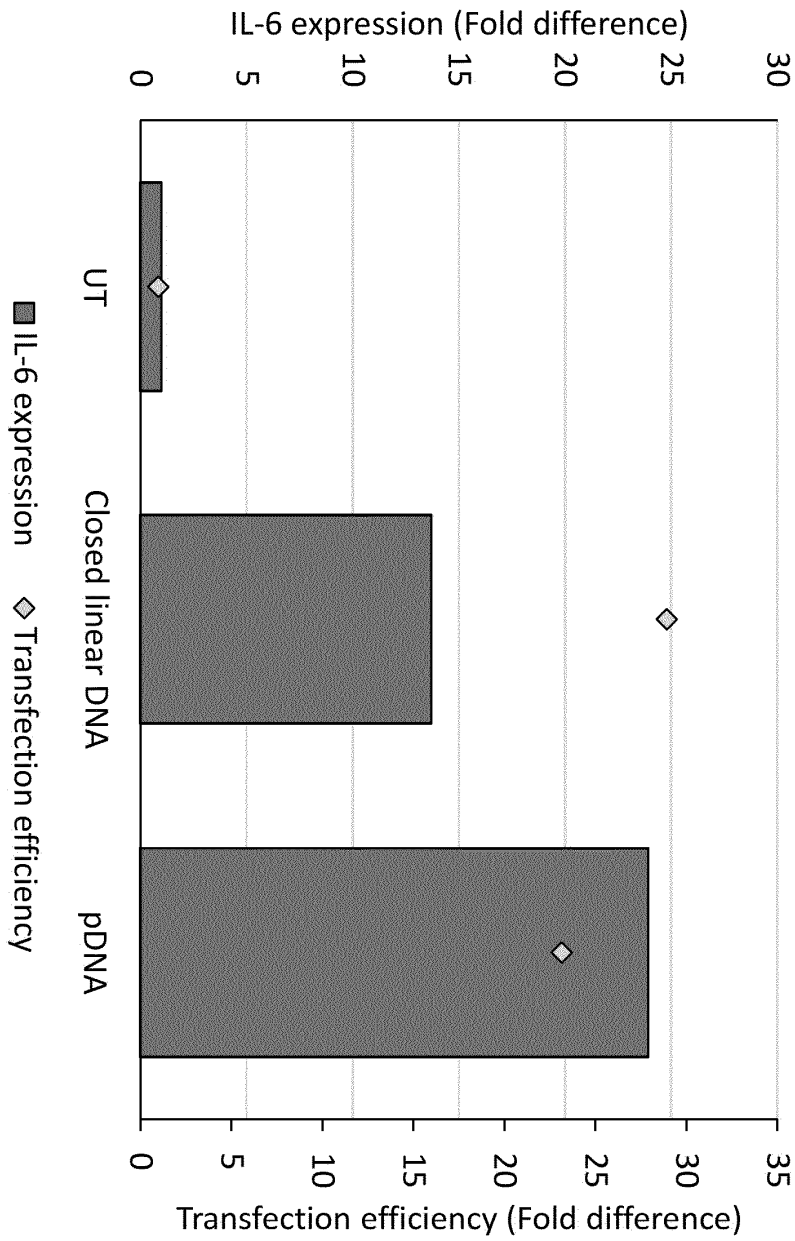
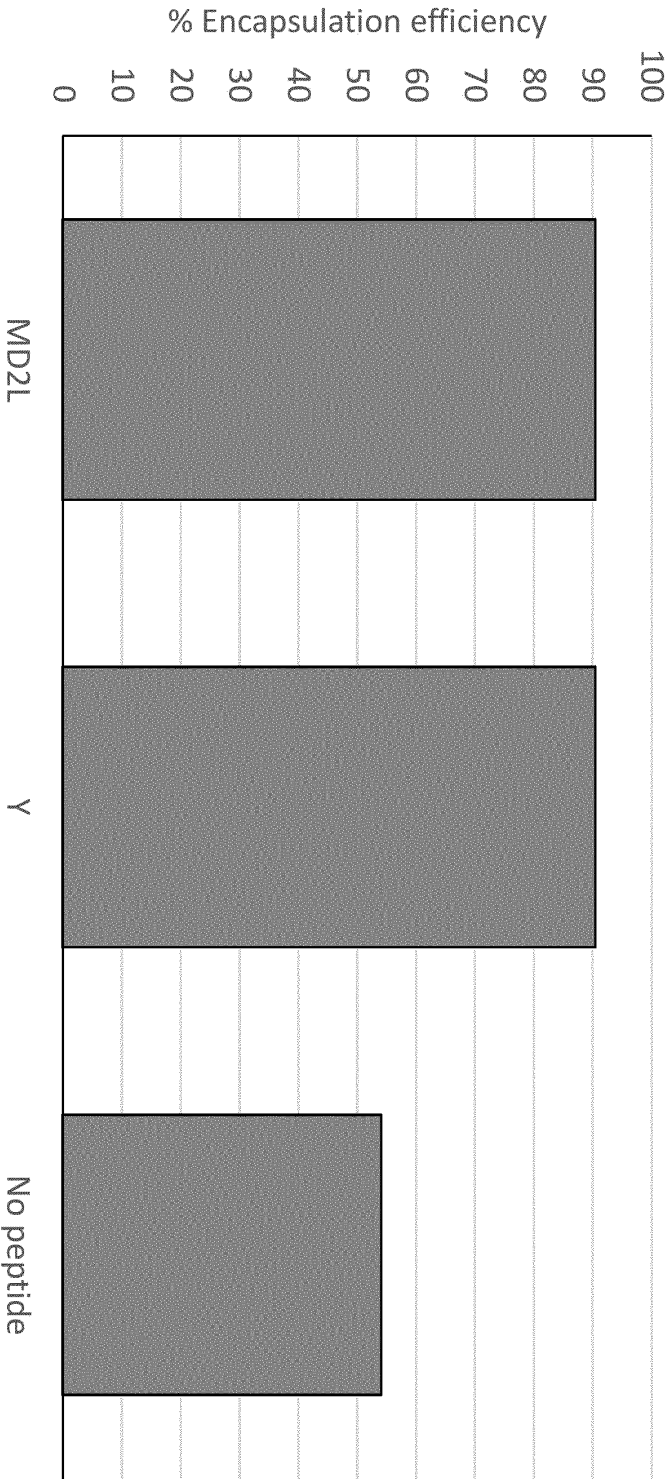
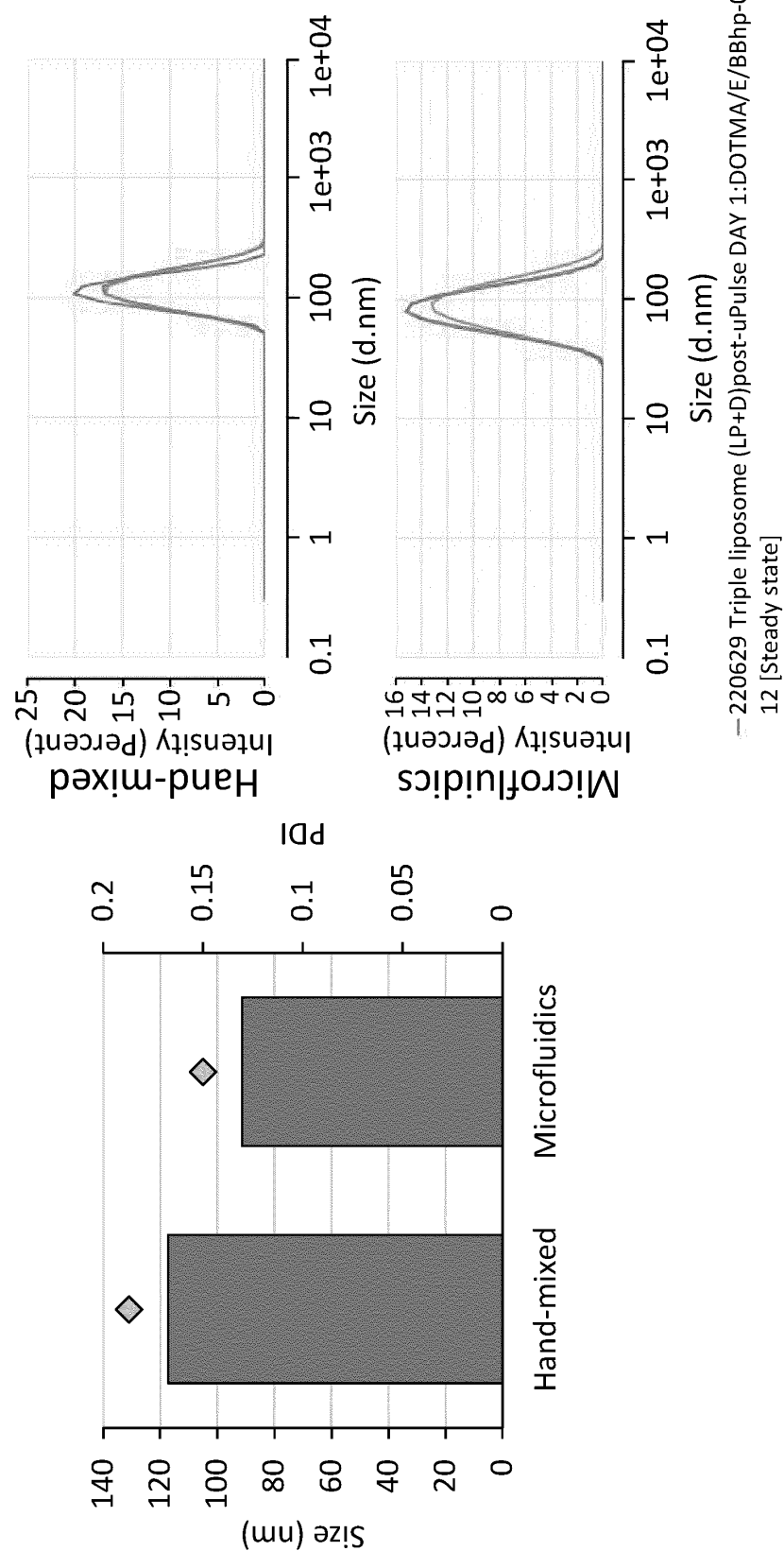


Fig. 16

Fig. 17

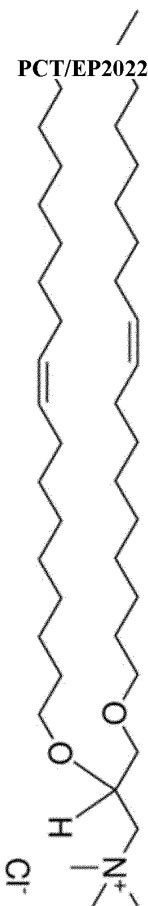




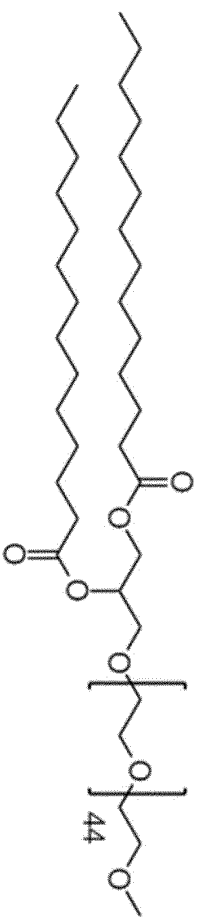
— 220629 Triple liposome (LP+D)post-uPulse DAY 1:DOTMA/E/BBhp-03
12 [Steady state]

Fig. 18

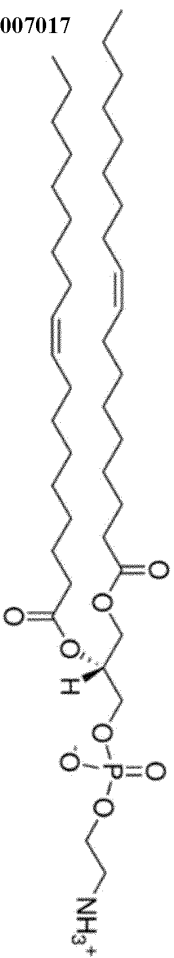
DOTMA



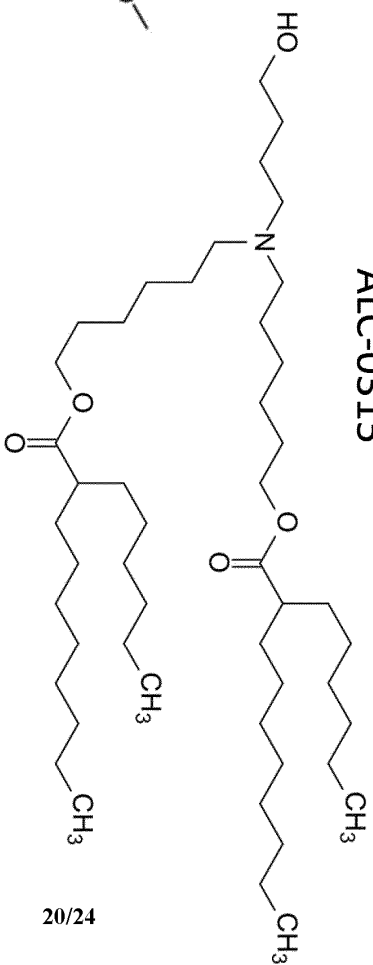
DMG-PEG



DOPE



ALC-0315



cholesterol

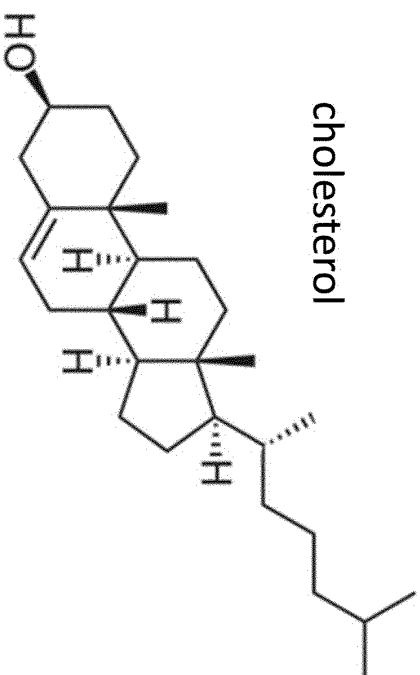


Fig. 19

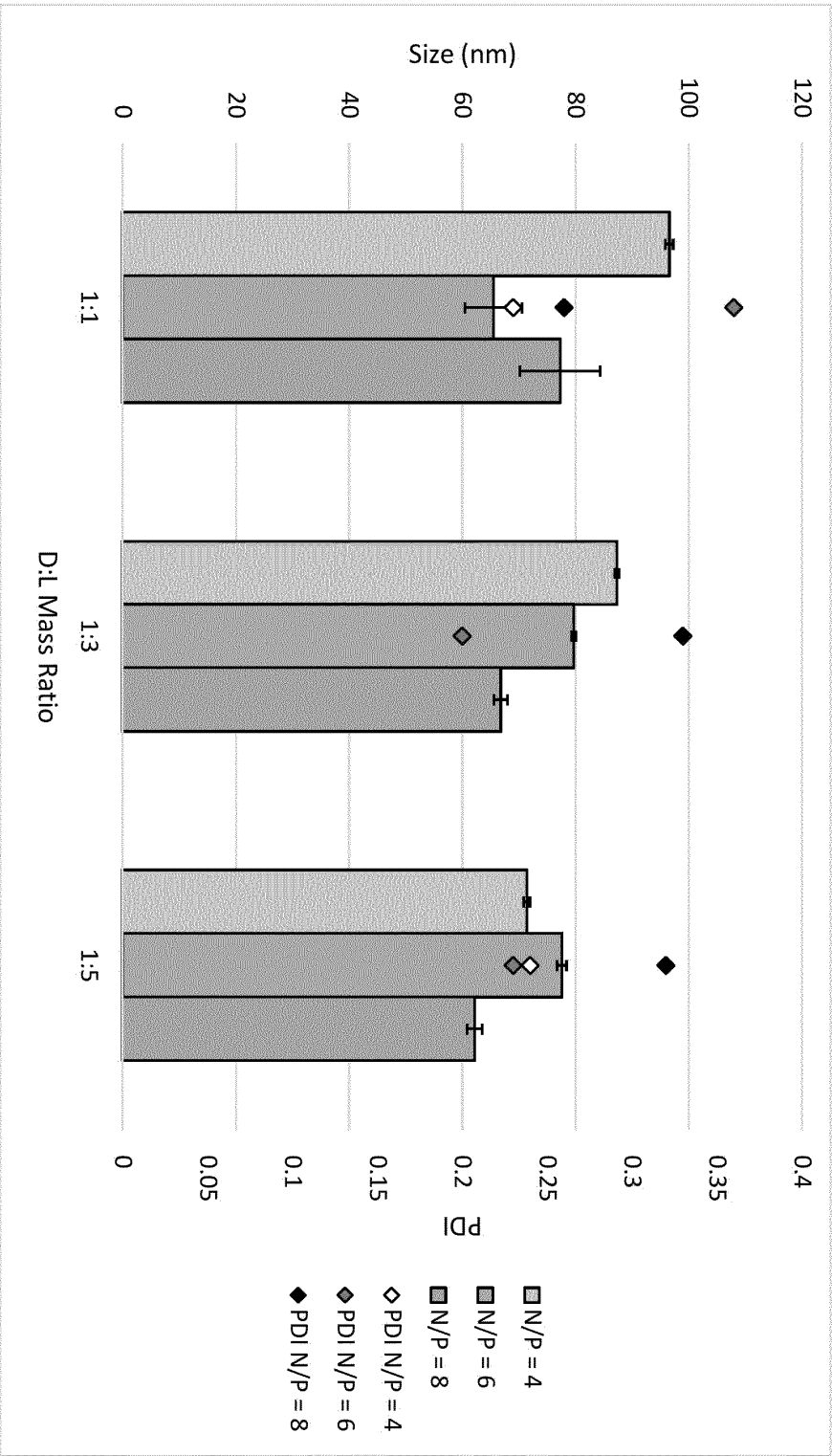


Fig. 20

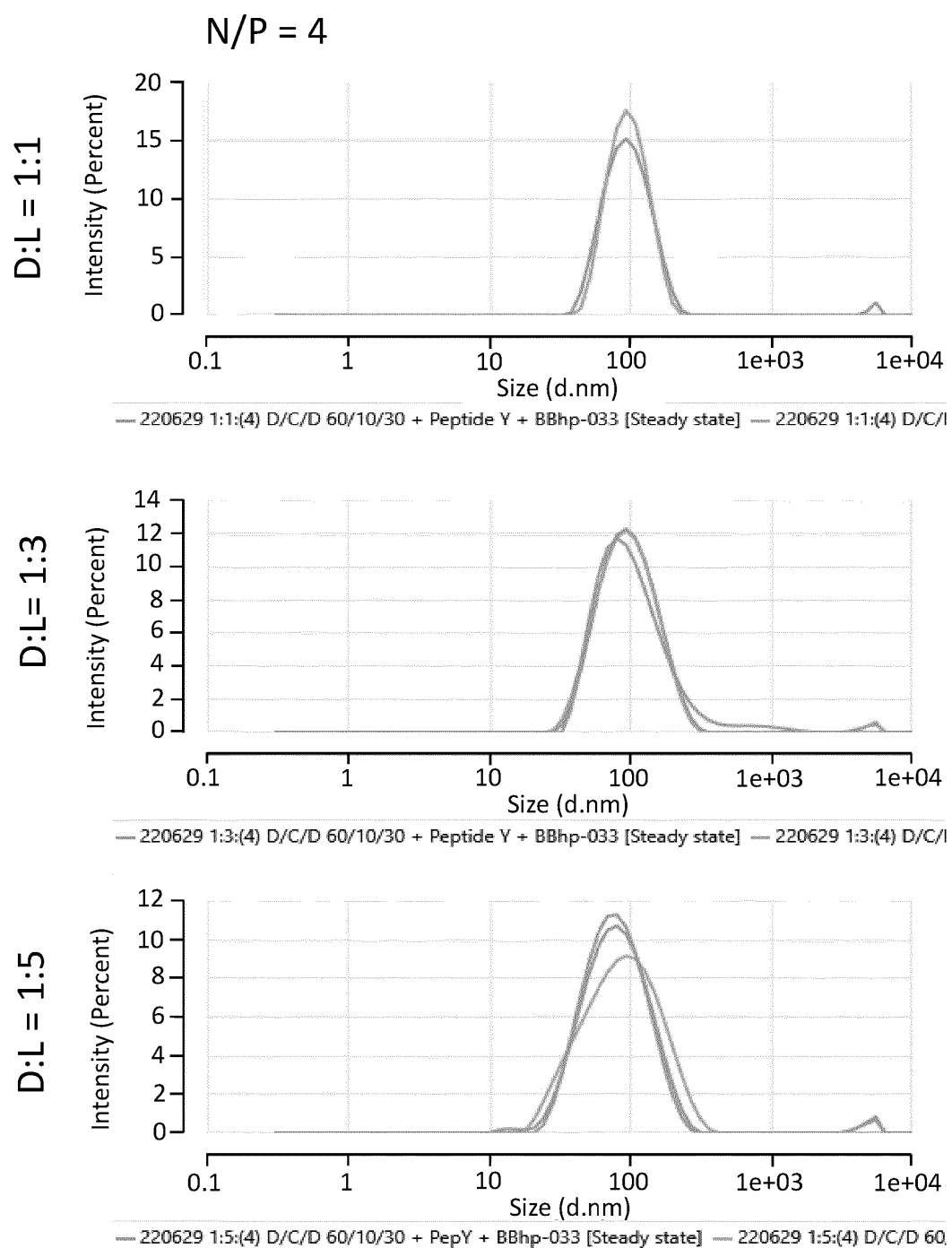


Fig. 21

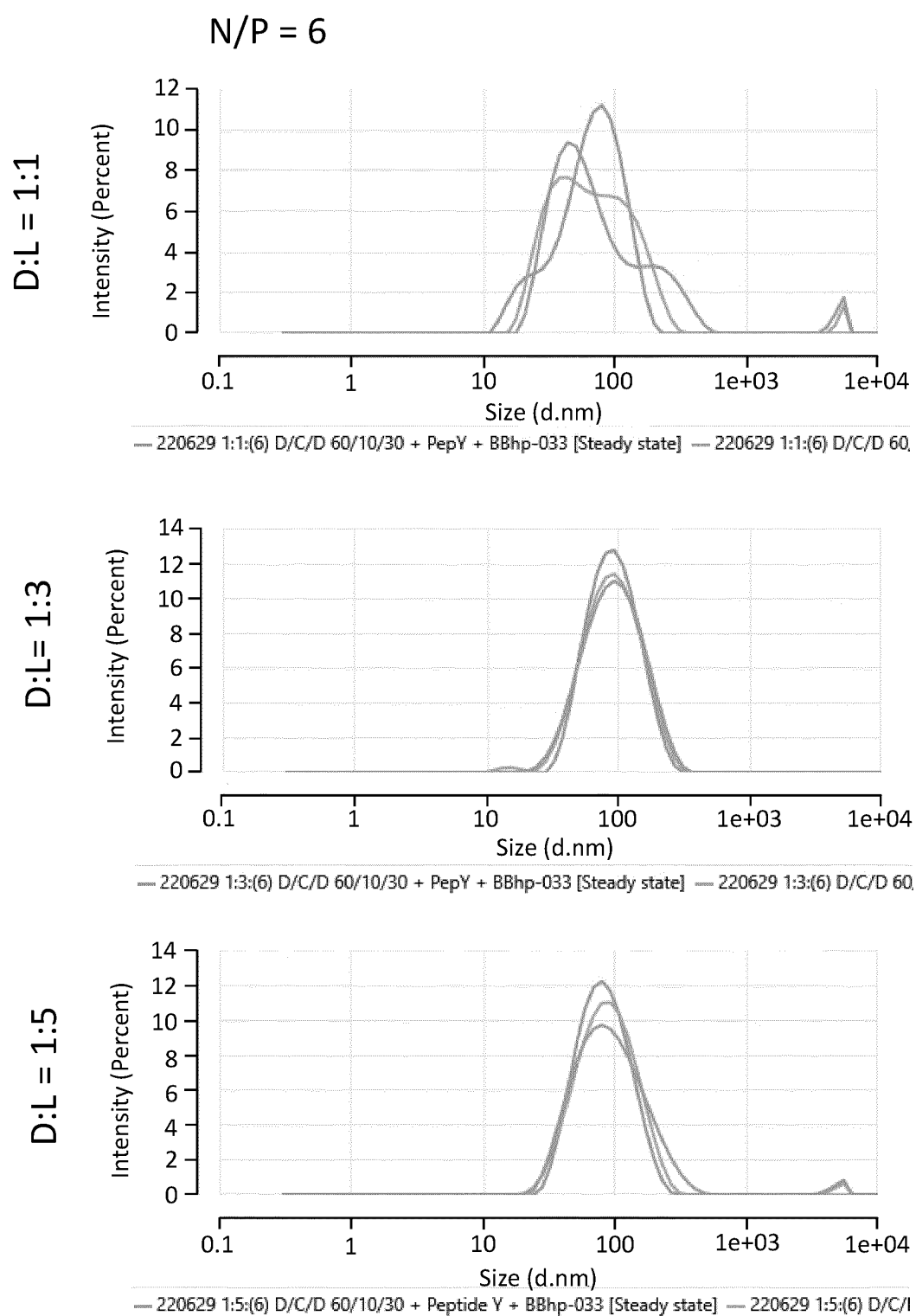


Fig. 21

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SUBSTITUTE SHEET (RULE 26)

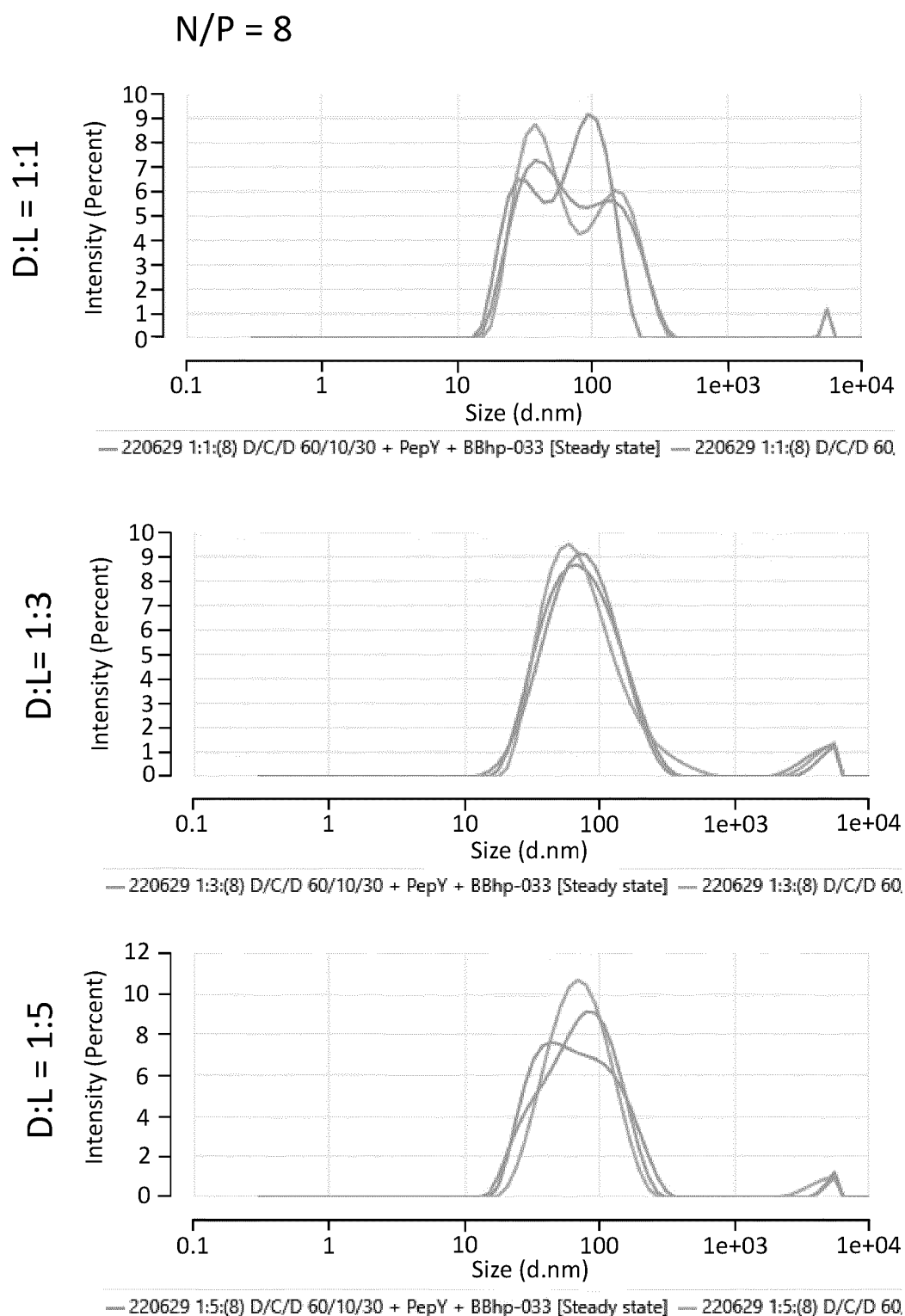


Fig. 21

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SUBSTITUTE SHEET (RULE 26)