

	1		50
$\alpha 1(I)$	QLSYGYDEKS	TGGISVPGPM GPSGPRGLPG PPGAPGPQGF QGPPGEPGEP	
$\alpha 1(I)M1$	QLSYGYDEKS	TGGISVPGPM GPSGPRGLPG PPGAPGPQGF QGPPGEPGEP	
	51		100
$\alpha 1(I)$	GASGPMGPRG	PPGPPGKNGD DGEAGKPGRP GERGPPGPQG ARGLPGTAGL	
$\alpha 1(I)M1$	GASGPPGPPG	PPGPPGKNGD DGEAGKPGRP GERGPPGPQG ARGLPGTAGL	
	101		150
$\alpha 1(I)$	PGMKGHRGFS	GLDGA KG DAG PAGPKGEPGS PGENGAPGQM GPRGLPGERG	
$\alpha 1(I)M1$	PGMKGHRGFS	GLDGA KG DAG PAGPKGEPGS PGENGAPGQP GPPGLPGERG	
	151		1057
$\alpha 1(I)$	RPGAPGPAGA		GGRYYRA
$\alpha 1(I)M1$	RPGAPGPAGA		GGRYYRA

FIG. 1

	1		50
$\alpha 1(II)$	QMAGGFDEKA	GGAQLGVMQG PMGPMGPRGP PGPAGAPGPQ GFQGNPGE PG	
$\alpha 1(II)M6$	QMAGGFDEKA	GGAQLGPPQG PPGPPGPPGP PGPAGAPGPQ GFQGNPGE PG	
	51		100
$\alpha 1(II)$	EPGVSGPMGP	RGPPGPPGKP GDDGEAGKPG KAGERGPPGP QGARGFP GTP	
$\alpha 1(II)M6$	EPGVSGPPGP	PGPPGPPGKP GDDGEAGKPG KAGERGPPGP QGARGFP GTP	
	101		150
$\alpha 1(II)$	GLPGVKGHRG	YPGLDGAKGE AGAPGVKGES GSPGENGSPG PMGPRGLPGE	
$\alpha 1(II)M6$	GLPGVKGHRG	YPGLDGAKGE AGAPGVKGES GSPGENGSPG PPGPPGLPGE	
	151		1060
$\alpha 1(II)$	RGRTGPAGAA		GPDP LQYMRA
$\alpha 1(II)M6$	RGRTGPAGAA		GPDP LQYMRA

FIG. 2

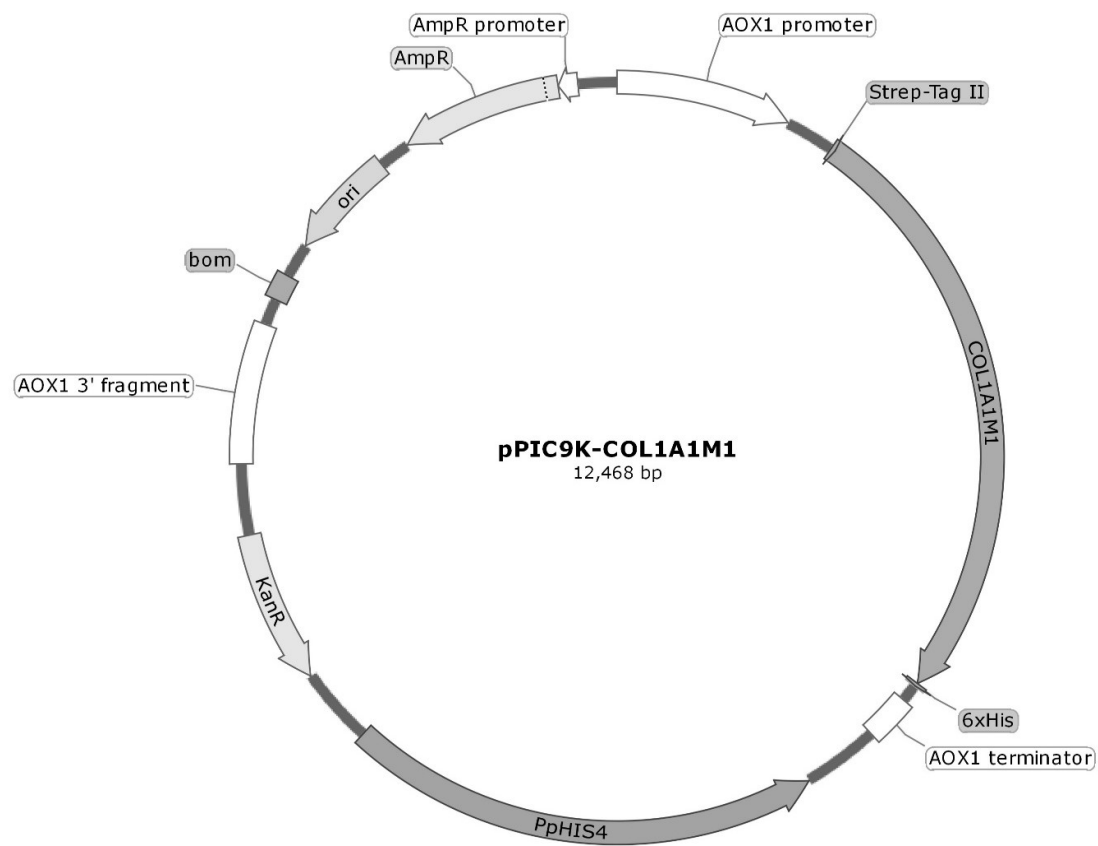


FIG. 3

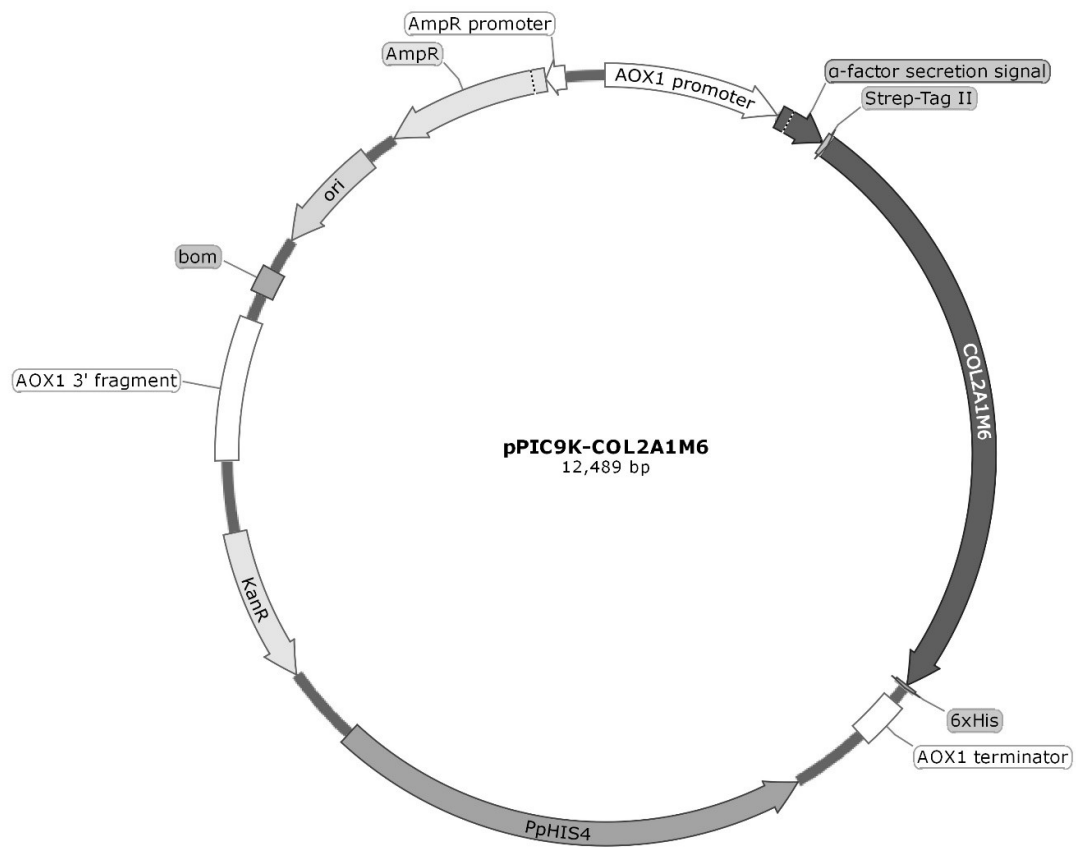


FIG. 4

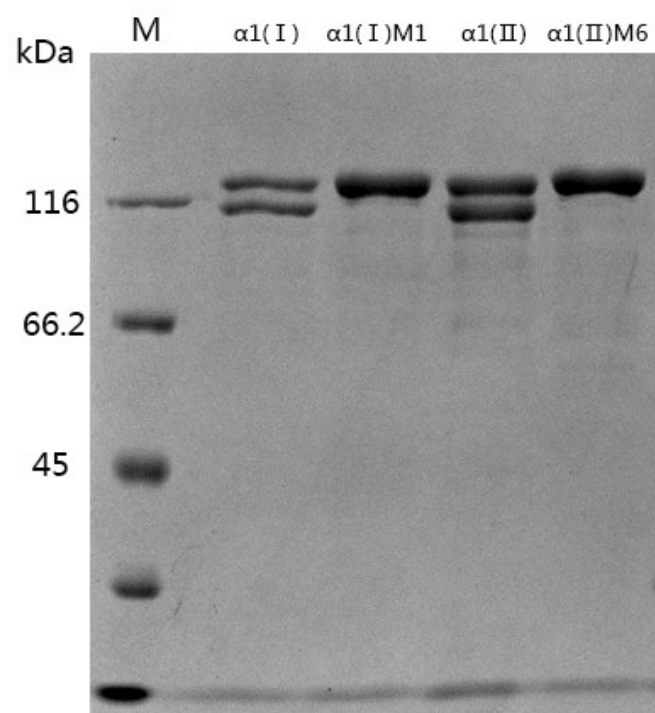


FIG. 5

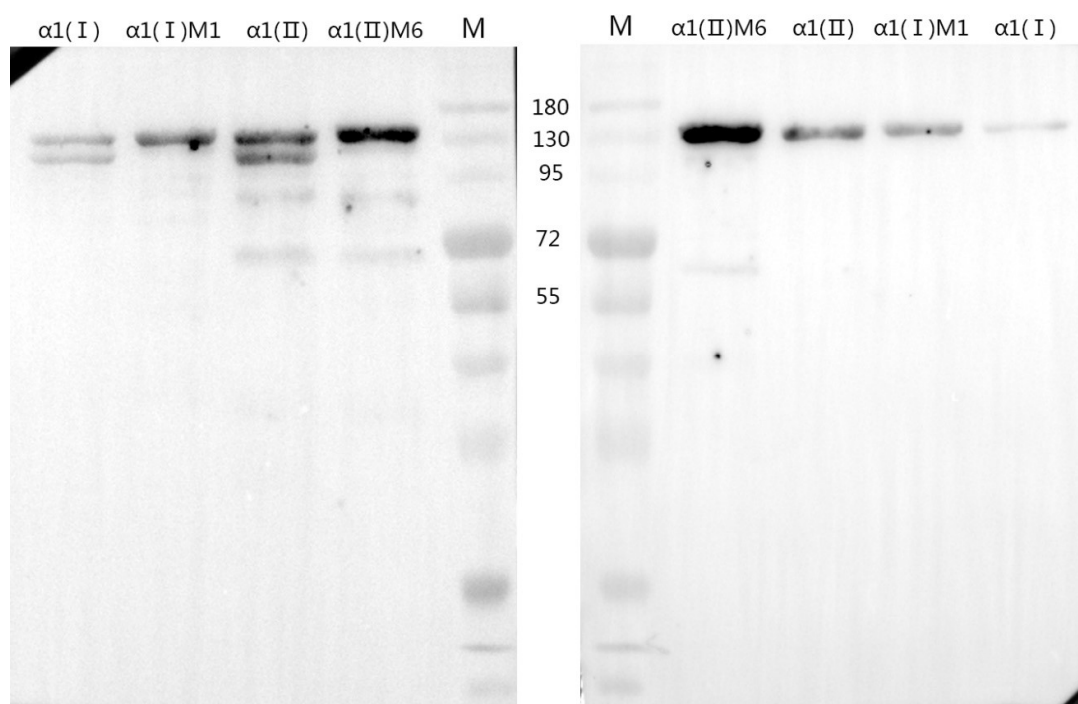


FIG. 6

Protein Name	No. of Peptides	Sequence	Link	Relative Abundance	Probability	No. of Unique Peptides
126883.05	78	>sp P02452 COL1A1_HUMAN Collagen alpha-1(I) chain OS=Homo sapiens GN=COL1A1 PE=1 SV=5	P02452	100.0%	99.0%	31

LANGTONGZRENG_TA1_121918-16

13asp P02452 COL1A1 HUMAN Collagen, alpha-1(I) chain OS=Homo sapiens ON=COL1A1 PE=SV-S

M P F S P F V D L R L L L L L A A T A L L T R G Q F E E G Q V R V R G
G Q D I T P L C I C V Q G L L R T V A L R D V L K P E L A L K T V
Q V C D N N G K L C P G A G C D E T K N G L R D V K P E P E G E
C C P V C P D G S E S P T D Q E T T G V E G P K G D T G P R
G F R K G P A G S P P G R K D G I P G Q P G L V G P P P P G P
G P G L G K N C P Q D E T G T G D G T D G T D G T D G T D
M G F S G P R G L P G P P G A G P G P G Q F Q G P P G E G F
P G A S G P M G P P G P G P P G K N G D D G E A G K P G R
P G E K R S L L R G A K G D A G P A G P S L A L L P G P G P
S L L R G A K G D A G P A G P S L A L L P G P G P
C G L P G E R P P P P A G A G G N D G A T G A
A G P P G F T G P A G P P G P P G A Y G A K E A G P G P
R Q Q Q Q Q G P G P G P G R S G E P P A P G S K G D T G A K G E
P G P V G V Q G P P P A G E E E K R A R G E P T G T G L
P G P P G E R G G P G T S R G P N G D G V A G P K G P G E
R Q Q Q Q Q Q A G A P P P G P G L A G P P G A G P P G A G P G
P G P P A A A P P P G P G L A G P P G A G P P G A G P G
G E Q Q G P A G S P G P Q G L P G P A G P P G E A G K P G E
Q V G P G D L R A P G P S G A R G E R G P P G E E V V Q G
P G P P A N G C P G N D G A K P K E D R G D A G P
S G A D G S P G K D G V Y R L T G P I G P P G P A G A G P G
G E G S P S P A G C T G A G P P G P P G P P G P P G P
G P P S S A G A G P P G S P G P P G P P G P P G P
G P A G P A G P P G P I G V G A P G A K G A R S A G P
G A G P P G R V G P P G R G P P G P P G P P G P
E G G E G P
P
S G E R G P P G R P M G P P P G I A G P P P G E S G R G A P A
P
V G A R P
G R F S G L G P
P P P S S A G A G P P G S P G P P G P P G S A G P A G P
T G D A G P P G P
L Q P Q V E K A H D G G R Y Y R A D D A N V V R D R D L E
K K K M C H S L S Q L E N I R S P E R S R K L A B T C R V
C N M E T G E T C Y Y P T Q P S V A Q K N Y I S K N P K D
K R H V F G E S M T D G S Q F E Y G G Q S D P A D V A L
Q T T F L R L P
T N L K K A L L L Q G S N E I E I R A E G V S P P T V S Y
V P P C T S H T G A W K T V Y E G K V T C L S R L P I
D V A P L D V A P L D V A P L D V A P L D V A P L D V A P L D

5 10 15 20 25

Hit#	Protein Mass	No. of Peptide	Sequence Header	Link	Relative Abundance	Probability	No. of Unique Peptide
1	139883.09	149	>asp P02452 COL1A1_HUMAN Collagen alpha-1(I) chain OS=Homo sapiens GN=COL1A1 PE=1 SV=5	P02452	99.5%	99.0%	33

ZHANGYUZHENG_IAl(02)21918-16

1: sp P02452 COI1_HUMAN COI chain alpha-1(I) chain OS=Homo sapiens GN=COI1a1 FS=1 SV=5

Sequence logo showing the probability of nucleotides (A, C, G, T) at each position (1 to 25) for the COI1_HUMAN COI chain alpha-1(I) chain. The y-axis represents information content in bits (0.00 to 0.10). The x-axis represents the position in the sequence (1 to 25). The logo highlights conserved regions, such as the highly conserved G and A at positions 1-10, and the conserved G and A at positions 11-15.

LJ11A_I12A_081718					
Bits	Protein Mass	No. of Peptide	Sequence Header	Link	Relative Abundance
1	142782.05	128	[ap]P02458 COL2A1_HUMAN Collagen alpha1(I) chain Ss-fibro sapiens (Ss-COL2A1) Peptide SV-3	P02458	97.0%
2	60304.91	2	[tr]A0A182J3M8 A0A182J3M8_P1CPA Baf75_0316170 Ss-komugitrella pasteria (Ss-BRD1) Peptide SV-1	A0A182J3M8	3.0%

[illegible]

Hits	Protein Mass	No. of Peptide	Sequence Header	Link	Relative Abundance
1	14278.05	262	Dsp1P02458 [COE1]_HUMAN Collagen alpha-1(I) chain Dsp-Homo sapiens [COE1:21] Peptide SV-3	P02458	38.2%
2	40340.91	5	Dsp1AA0182J086 [AA01:82] PICPA B475 0316110 Dsp-Komagataella pastoris [AA01:82] Peptide SV-4	AA0182J086	0.9%

[illegible]

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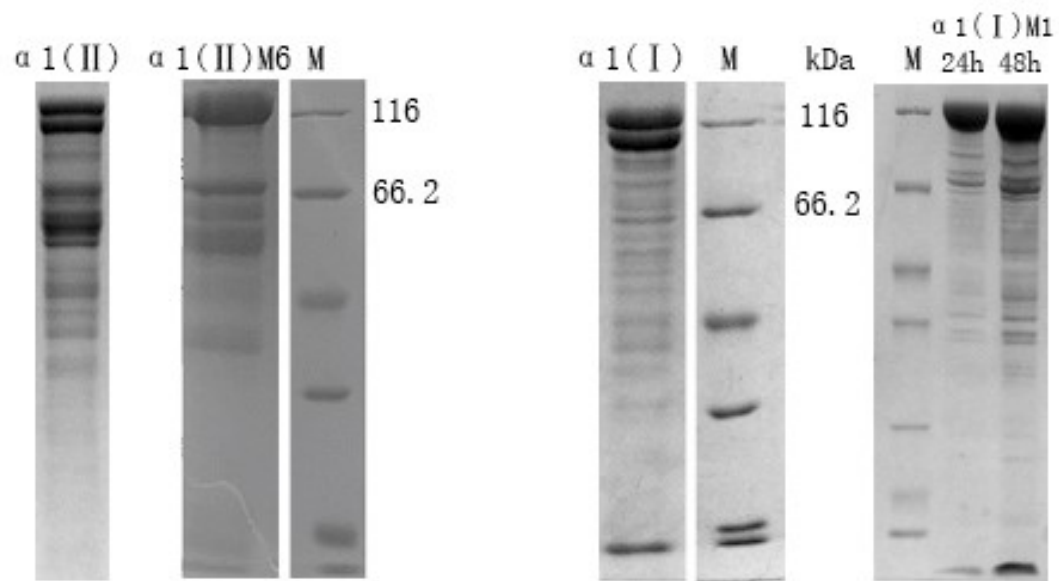


FIG. 9

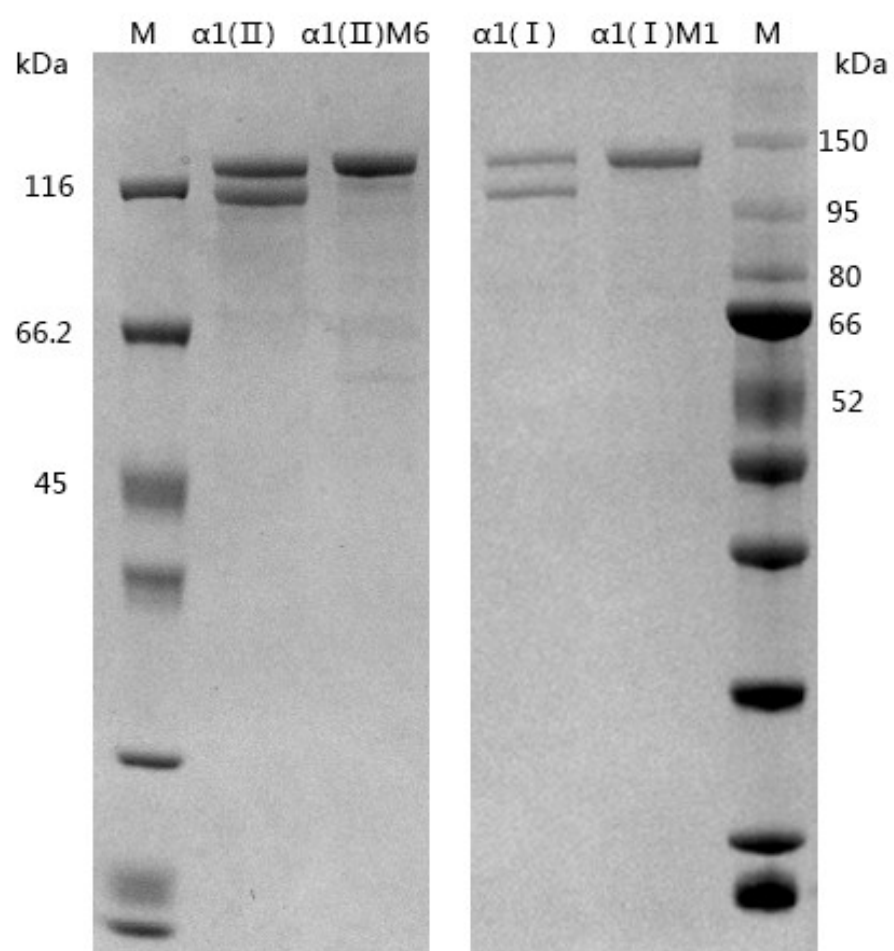


FIG. 10

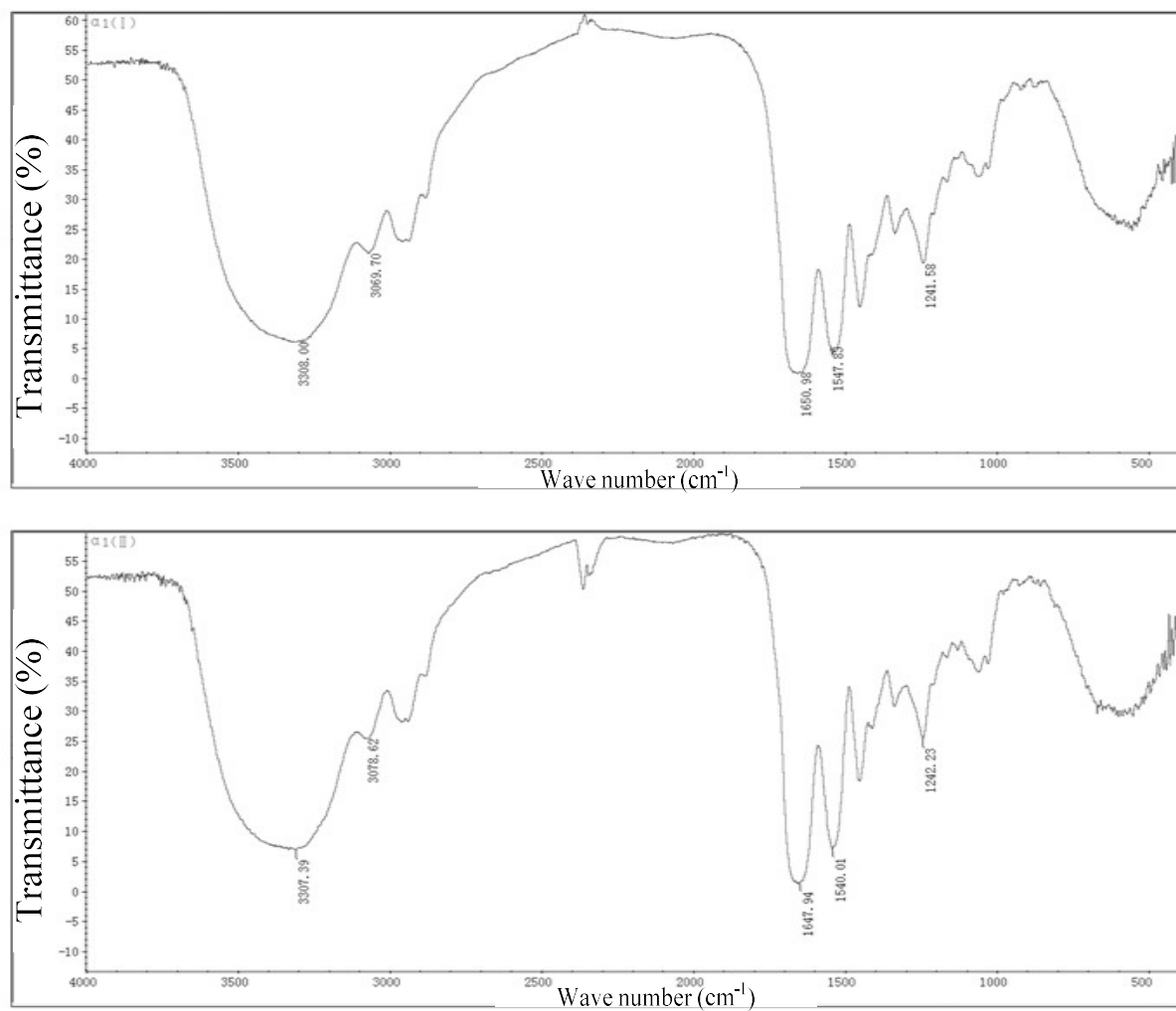


FIG. 11

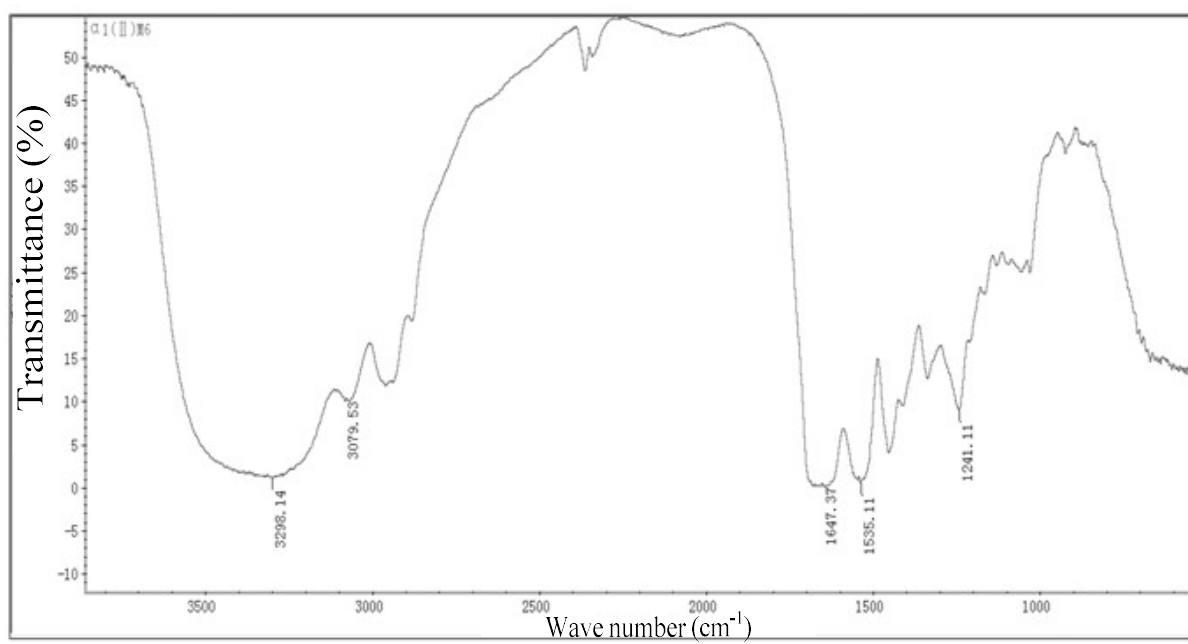
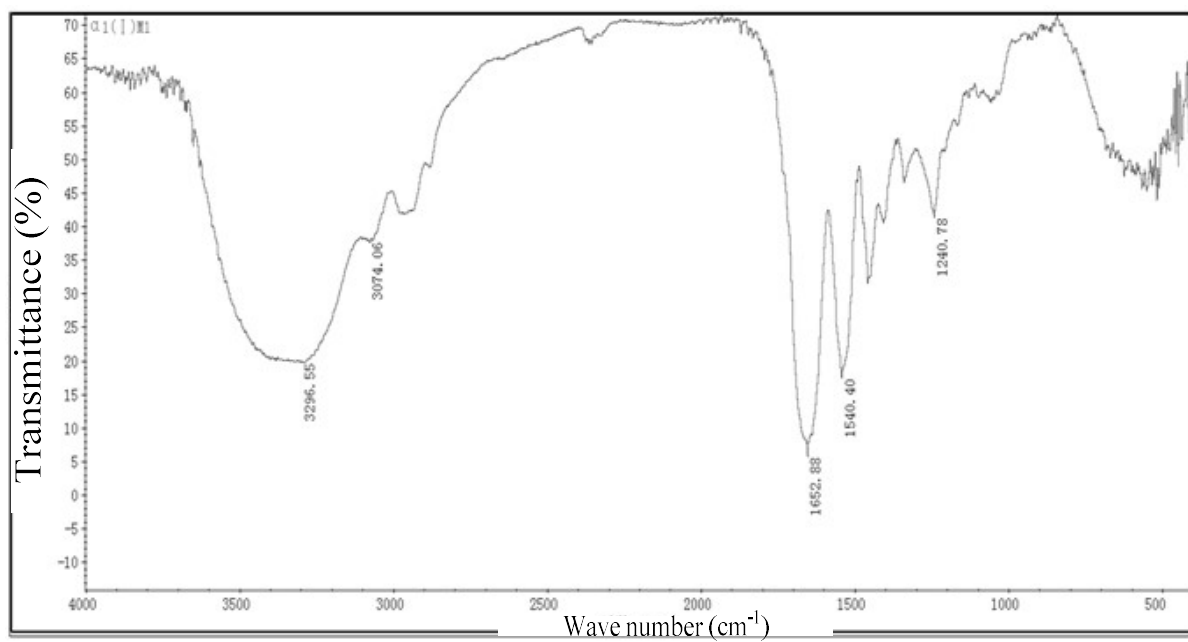


FIG. 12

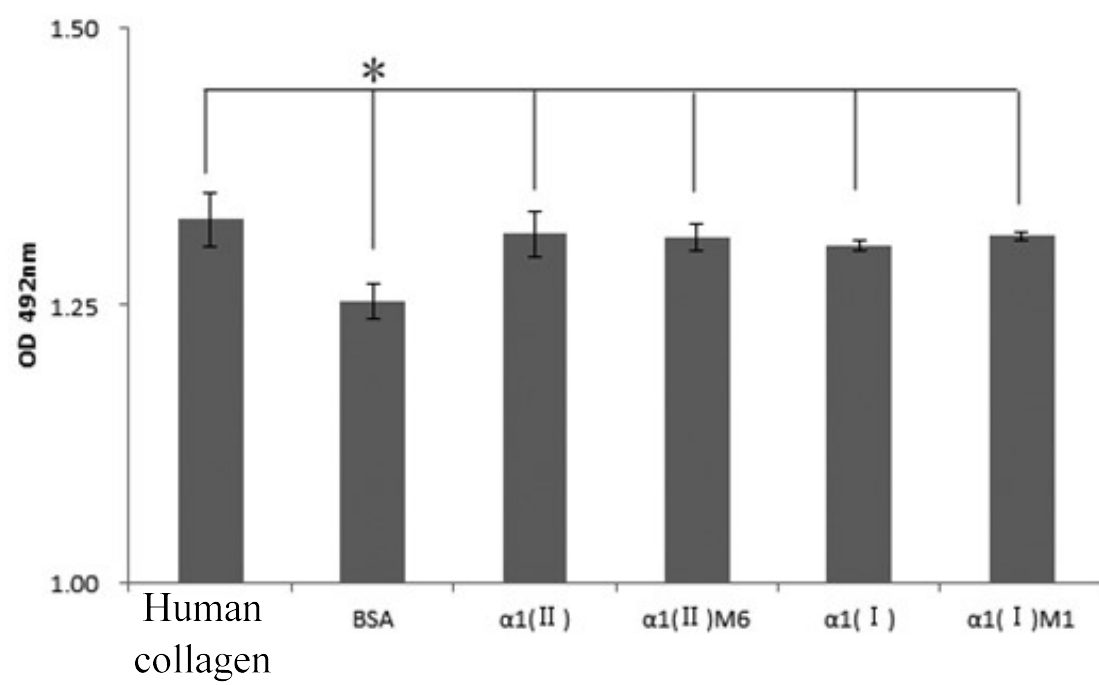
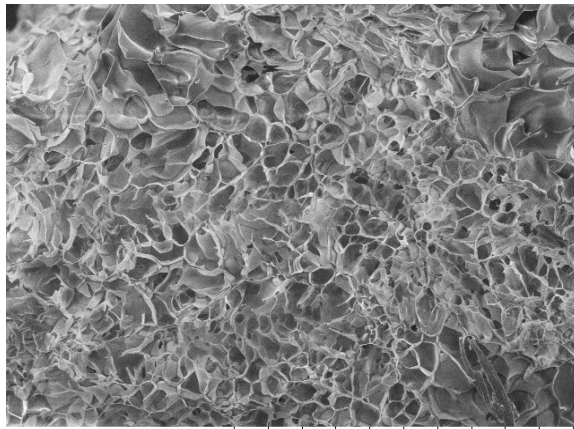
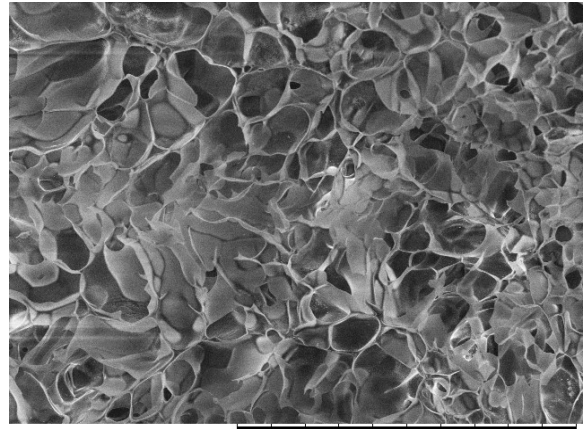


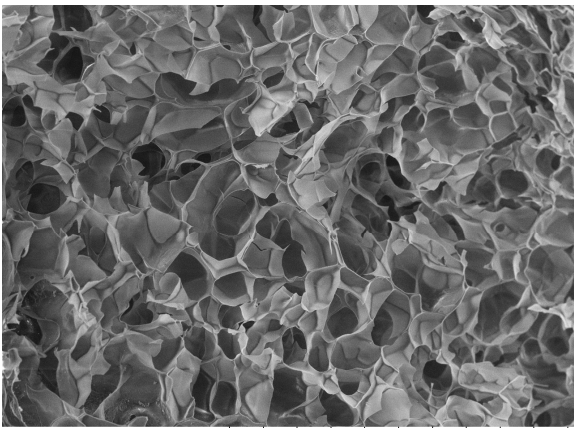
FIG. 13



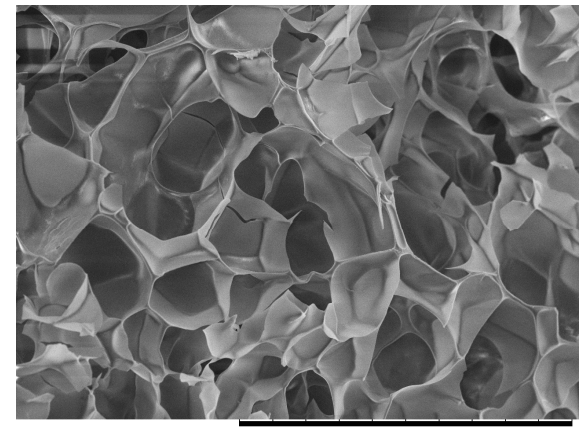
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TM3030Plus2788 2021/07/08 12:57 NMUD7.5 x200 500 μ m

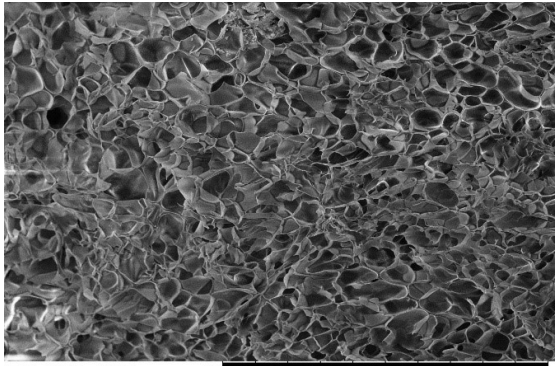


TM3030Plus3100 2021/07/15 15:34 NMUD8.6 x100 1 mm

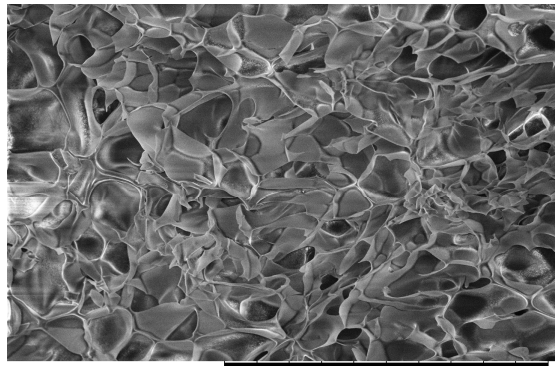


TM3030Plus3101 2021/07/15 15:35 NMUD8.6 x200 500 μ m

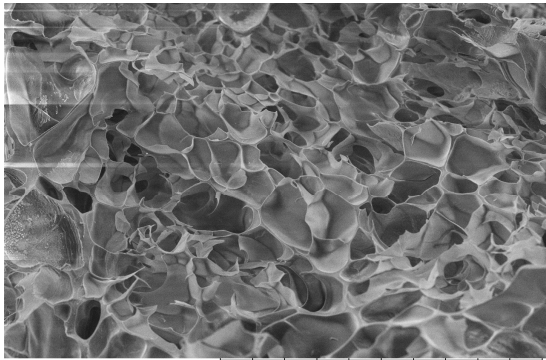
FIG. 14



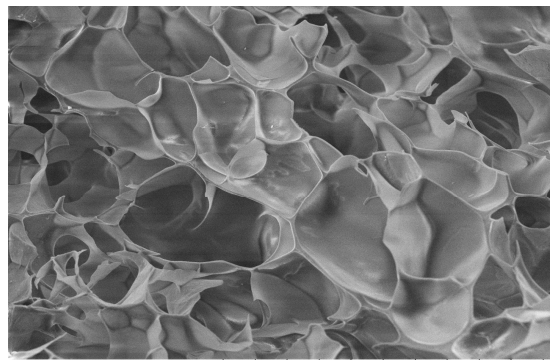
TM3030Plus3107 2021/07/15 15:58 NMUD8.1 x100 1 mm



TM3030Plus3108 2021/07/15 16:02 NMUD8.2 x200 500 μ m



TM3030Plus3109 2021/07/15 16:05 NMUD9.2 x100 1 mm



TM3030Plus3110 2021/07/15 16:07 NMUD9.2 x200 500 μ m

FIG. 15

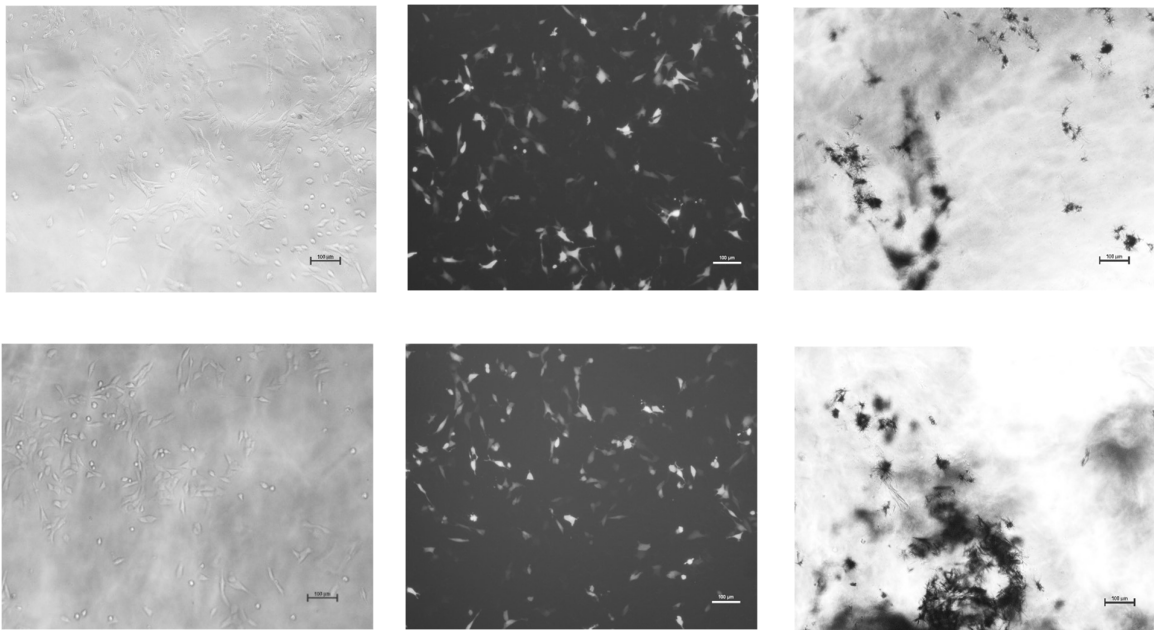


FIG. 16

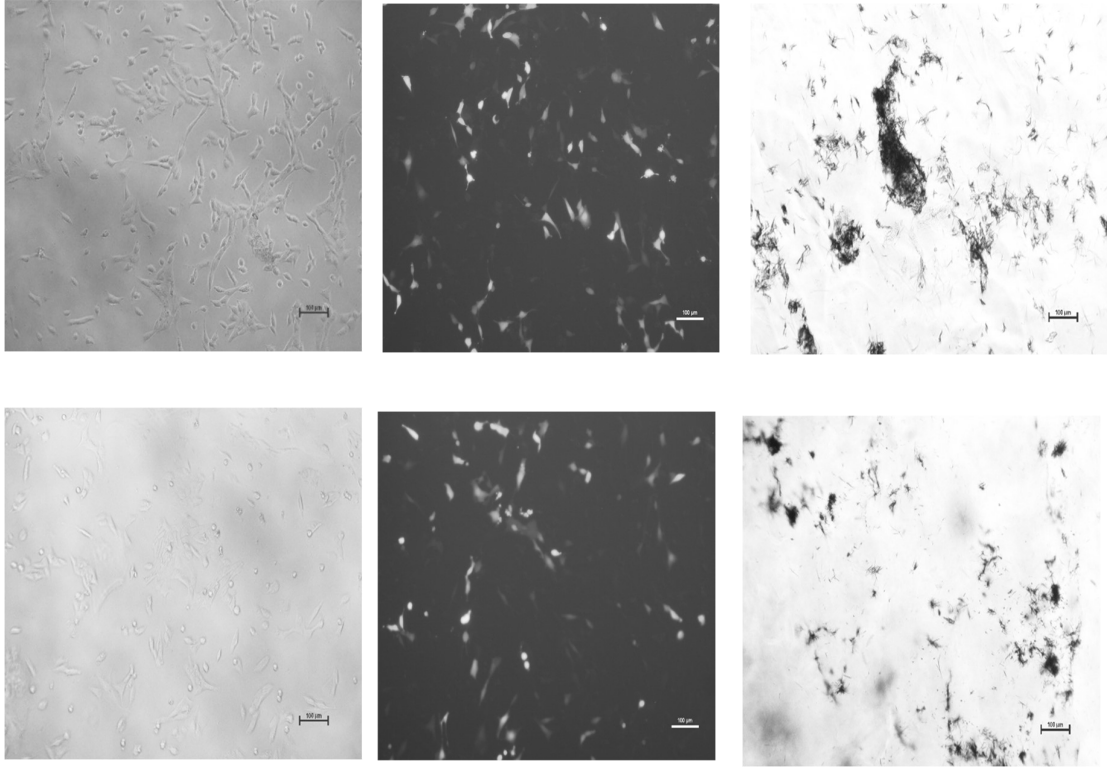


FIG. 17