

Supplementary materials

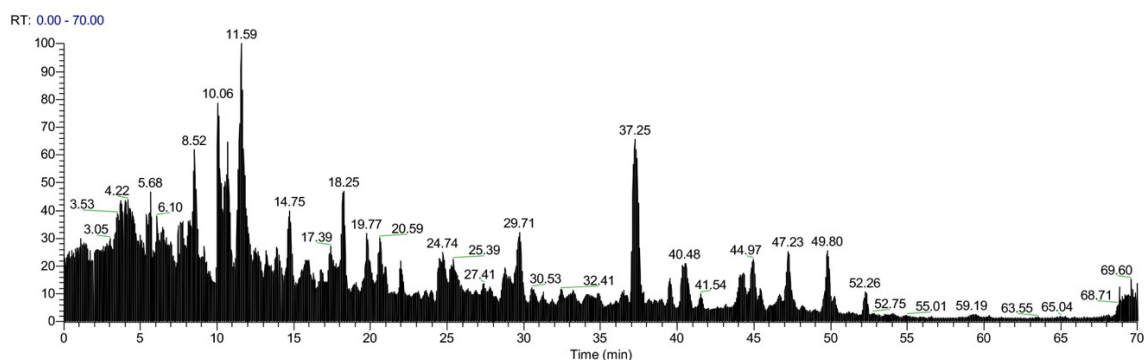


Figure S1 Total ion chromatogram of SCP

Table S1 The total 255 peptides were identified from SCP by UPLC-QTOF-MS.

	Peptide	ALC (%)	Area	m/z	Retention time (min)	Mass	ppm
1	K(+42.01)GPGAG	82.7	1.01×10 ⁹	528.28	1.07	527.27	-2
2	AVGPGAG	80.5	1.01×10 ⁹	528.28	1.07	527.27	-2
3	LGYP	84.9	4.06×10 ⁸	449.23	24.47	448.23	-3.8
4	GPAGPM	80.3	3.15×10 ⁸	529.24	11.42	528.24	-3.4
5	K(+42.01)VGPQG	86.3	2.32×10 ⁸	627.34	17.39	626.34	-3.4
6	K(+42.01)GYP	83.3	1.74×10 ⁸	506.26	29.19	505.25	-2.9
7	K(+42.01)VGPQ	89.5	1.00×10 ⁸	570.32	16.39	569.32	-2.1
8	K(+42.01)GYPQ	86.7	9.90×10 ⁷	634.32	24.77	633.31	-3.6
9	PAYP	85	9.81×10 ⁷	447.22	12.52	446.22	-2.9
10	AAGL	92.6	9.72×10 ⁷	331.20	1.95	330.19	-2.4
11	VGLA	81.2	8.04×10 ⁷	359.23	10.44	358.22	-3.4
12	GPAGPL	82.1	7.91×10 ⁷	511.29	20.65	510.28	-3.3
13	VGGL	82.6	7.31×10 ⁷	345.21	8.11	344.21	-3.4
14	QSGL	87.1	7.21×10 ⁷	404.21	0.56	403.21	-2.9
15	GLRGP	97.5	7.18×10 ⁷	250.15	3.98	498.29	-2.4
16	QVGPA	91.9	6.41×10 ⁷	471.25	6.40	470.25	-2.6
17	QASGL	83.2	6.35×10 ⁷	475.25	6.33	474.24	-2.8
18	PDGLQ	82.1	6.22×10 ⁷	529.26	21.00	528.25	-2.6
19	QEGPVG	81	5.73×10 ⁷	586.28	8.35	585.28	-2.1
20	TPVLG	92.1	5.67×10 ⁷	486.29	19.59	485.28	-3.1
21	QPGGL	80.7	5.58×10 ⁷	770.43	65.01	1538.84	5.4
22	A(+42.01)AGPAGPM	83.7	4.85×10 ⁷	713.33	16.33	712.32	-1.8
23	ATGL	83.7	4.78×10 ⁷	361.21	4.08	360.20	-2.3
24	VGPEQ	84.6	4.60×10 ⁷	529.26	6.74	528.25	-0.8
25	LAGP	86	4.46×10 ⁷	357.21	9.10	356.21	-2.4
26	PAGL	80.3	4.46×10 ⁷	357.21	9.10	356.21	-2.4
27	LGPM	85.4	4.41×10 ⁷	417.22	20.14	416.21	-3
28	QGLGAQ	83.5	3.80×10 ⁷	573.30	4.46	572.29	-2.2

29	FGAGT	80.9	3.72×10 ⁷	452.21	12.38	451.21	-3
30	A(+42.01)AGPAGPMG	80.5	3.72×10 ⁷	770.35	16.19	769.34	-2.2
31	QAGGL	86.8	3.52×10 ⁷	445.24	6.78	444.23	-2.5
32	QAGL	86.7	3.50×10 ⁷	388.22	6.54	387.21	-2.8
33	AAGGL	81.4	3.48×10 ⁷	388.22	1.86	387.21	-2.4
34	ELGPM	82.5	3.27×10 ⁷	546.26	26.52	545.25	-1.5
35	K(+42.01)YPQ	90.8	3.16×10 ⁷	577.30	18.84	576.29	-1.7
36	YPQAV	84.4	3.16×10 ⁷	577.30	18.84	576.29	-1.7
37	K(+42.01)TGE	84.1	3.08×10 ⁷	476.23	3.40	475.23	-2.4
38	PVGP	86.2	3.03×10 ⁷	651.34	17.84	650.34	-1.6
39	VPGP	84.3	3.03×10 ⁷	369.21	7.80	368.21	-3.1
40	PAGPL	83.6	3.00×10 ⁷	454.26	15.60	453.26	-2.5
41	FGGAG	83	3.00×10 ⁷	408.19	0.39	407.18	-2.6
42	Q(+42.01)LVGP	91.5	2.66×10 ⁷	555.31	23.65	554.31	-2.3
43	PGRP	95.5	2.58×10 ⁷	213.63	5.58	425.24	-2.8
44	EVGP	85.4	2.51×10 ⁷	401.20	3.29	400.20	-2.7
45	SPGGPL	84.6	2.47×10 ⁷	527.28	15.78	526.28	-2.6
46	SPGGLP	81.3	2.47×10 ⁷	527.28	15.78	526.28	-2.6
47	QTGAL	81.2	2.30×10 ⁷	489.27	6.61	488.26	-2.4
48	LPTDL	91.2	2.10×10 ⁷	558.31	36.39	557.31	-2.4
49	PNPY	84.3	2.09×10 ⁷	490.23	7.36	489.22	-2.1
50	K(+42.01)VGE	88.8	1.92×10 ⁷	545.29	17.36	544.29	-3.1
51	QVGPVG	82.4	1.89×10 ⁷	556.31	16.26	555.30	-3.3
52	K(+42.01)VGP	85	1.75×10 ⁷	442.27	21.48	441.26	-1.7
53	PQLL	87.4	1.70×10 ⁷	470.30	32.28	469.29	-2.1
54	AAGGF	89.4	1.65×10 ⁷	422.20	7.62	421.20	-2.6
55	QGPTGL	88.2	1.59×10 ⁷	572.30	20.35	571.30	-2
56	ASGPAGL	85.5	1.59×10 ⁷	572.30	20.35	571.30	-2
57	YPVT	87.1	1.55×10 ⁷	479.25	12.18	478.24	-2.8
58	PEGPVG	80.8	1.52×10 ⁷	711.37	20.21	710.36	-1.3
59	RGPR	89.8	1.45×10 ⁷	243.15	3.22	484.29	-3.2
60	GPVGA	80.4	1.45×10 ⁷	497.27	8.82	496.26	-1.9
61	K(+42.01)PTDLV	89.5	1.38×10 ⁷	714.40	54.12	713.40	-0.9
62	A(+42.01)LGPQG	86.5	1.33×10 ⁷	584.30	9.51	583.30	-1.7
63	APGEL	86.8	1.31×10 ⁷	486.26	12.93	485.25	-1.2
64	K(+42.01)FPS	89.5	1.30×10 ⁷	520.28	29.26	519.27	-2.1
65	YPGLA	81.6	1.30×10 ⁷	520.28	29.26	519.27	-2.1
66	A(+42.01)FGL	81.3	1.24×10 ⁷	449.24	41.67	448.23	-2.2
67	AAGEL	84.4	1.20×10 ⁷	460.24	3.29	459.23	-2.3
68	APGLGGQ	88.9	1.19×10 ⁷	599.31	10.81	598.31	-2.2
69	QPGPM	87.1	1.18×10 ⁷	529.24	12.56	528.24	-1.8
70	QPGMP	82.6	1.18×10 ⁷	529.24	12.97	528.24	-1.4
71	A(+42.01)AGPAGL	87.8	1.14×10 ⁷	598.32	22.17	597.31	-1
72	K(+42.01)PGPS	80.7	1.14×10 ⁷	527.28	13.51	526.28	-2.2
73	GFAGA	81.9	1.13×10 ⁷	537.23	21.21	536.22	-1

74	DGNPNPY	83.5	1.03×10 ⁷	662.28	20.24	661.27	-1.2
75	PSLVH	96.8	1.00×10 ⁷	276.66	6.23	551.31	-2
76	ALGL	85.2	9.93×10 ⁶	373.24	28.13	372.24	-2.3
77	LAGL	83.4	9.93×10 ⁶	373.24	28.13	372.24	-2.3
78	QVGPAGPQGPQGPAGR	83.1	9.55×10 ⁶	737.38	21.24	1472.75	-0.4
79	A(+42.01)GPQG	81.9	9.55×10 ⁶	726.34	6.37	725.33	-1.4
80	Q(+42.01)LVGPQG	89.6	9.32×10 ⁶	740.39	19.80	739.39	-2.1
81	QTGPQGL	82.2	9.00×10 ⁶	700.36	19.15	699.36	0.2
82	TGLPR	97	8.85×10 ⁶	272.17	6.64	542.32	-2.3
83	TGLRP	96.1	8.85×10 ⁶	272.17	6.64	542.32	-2.3
84	TGRLP	94.9	8.85×10 ⁶	272.17	6.64	542.32	-2.3
85	PAGPM	84.2	8.78×10 ⁶	472.22	8.17	471.22	-2.7
86	GAPGAL	81.6	8.70×10 ⁶	485.27	12.42	484.26	-2.2
87	FGDGAE	83	8.64×10 ⁶	595.23	11.56	594.23	-3.1
88	RGPAGM	80.9	8.37×10 ⁶	588.29	2.99	587.29	-1.9
89	A(+42.01)LGPQ	80.5	8.17×10 ⁶	527.28	10.26	526.28	-2.7
90	K(+42.01)LGQ	80.7	8.11×10 ⁶	487.29	23.85	486.28	-2.4
91	VGPEGPVG	85	7.87×10 ⁶	711.37	20.21	710.36	-1.3
92	APGPL	84.6	7.87×10 ⁶	454.26	20.55	453.26	-2.6
93	PLMP	81.9	7.81×10 ⁶	457.25	29.26	456.24	-2.8
94	Q(+42.01)LVGPQ	92.4	7.59×10 ⁶	683.37	19.15	682.37	-1
95	N(+0.98)LVR	94.7	7.50×10 ⁶	251.65	8.45	501.29	-3.5
96	DLVR	94.5	7.50×10 ⁶	251.65	8.45	501.29	-3.5
97	N(+0.98)VLR	92.8	7.50×10 ⁶	251.65	8.45	501.29	-3.5
98	DVLR	91.4	7.50×10 ⁶	251.65	8.45	501.29	-3.5
99	M(+42.01)DTLK	96.5	7.36×10 ⁶	649.32	26.34	648.32	-1.1
100	T(+42.01)KPR	83.6	7.24×10 ⁶	272.17	7.59	542.32	-2.1
101	GPAGPTGPTGPAQAGER	85.1	7.04×10 ⁶	760.88	20.11	1519.74	-1.6
102	EGVGPQ	83.2	6.93×10 ⁶	586.28	5.62	585.28	-1
103	VPLYEG	87.2	6.86×10 ⁶	677.35	29.67	676.34	-2.9
104	Q(+42.01)PGPSGL	83.4	6.71×10 ⁶	697.35	22.41	696.34	-0.5
105	QGPGL	86.8	6.68×10 ⁶	600.30	11.94	599.29	-2
106	K(+42.01)VGEA	85.7	6.61×10 ⁶	545.29	17.36	544.29	-3.1
107	FRGP	95.8	6.58×10 ⁶	238.63	2.92	475.25	-2.9
108	GPLGPS	81.4	6.44×10 ⁶	527.28	11.90	526.28	-2.7
109	LAVVD	83.5	6.36×10 ⁶	516.30	26.45	515.30	-2.1
110	APLNPK	94.5	6.33×10 ⁶	320.19	3.22	638.38	-2.9
111	APLNKP	90.7	6.33×10 ⁶	320.19	3.22	638.38	-2.9
112	FGPR	89.6	6.32×10 ⁶	238.63	6.20	475.25	-3.2
113	LPTNL	87.4	6.31×10 ⁶	557.33	35.08	556.32	-1.2
114	ATGPEGL	83.7	5.95×10 ⁶	644.32	23.20	643.32	-1.4
115	K(+42.01)PTNL	85.4	5.76×10 ⁶	614.35	43.91	613.34	-2.6
116	A(+42.01)GER	98	5.71×10 ⁶	237.62	3.02	473.22	-2.6
117	GPLGPSGP	81.9	5.61×10 ⁶	796.38	24.84	795.38	-2
118	PGLGPSGP	80.7	5.61×10 ⁶	681.36	25.96	680.35	-1.1

119	K(+42.01)TGVQ	84.4	5.58×10 ⁶	574.32	13.75	573.31	-2.2
120	HGLV	87.8	5.57×10 ⁶	425.25	1.38	424.24	-2.1
121	PTGL	81.3	5.53×10 ⁶	387.22	7.70	386.22	-2.7
122	QLGGL	88.4	5.47×10 ⁶	487.29	29.53	486.28	-3.7
123	LQVR	95.5	5.34×10 ⁶	258.17	0.25	514.32	-3.1
124	APGPAGAA	83.4	5.24×10 ⁶	611.31	7.66	610.31	-2.4
125	PSGPLGPSGP	86.5	5.23×10 ⁶	865.44	29.40	864.43	-2.4
126	A(+42.01)AGPLGPSGP	85.9	5.23×10 ⁶	865.44	29.40	864.43	-2.4
127	YPQA	80.5	5.07×10 ⁶	478.23	8.45	477.22	-2.6
128	GFRGPR	93.1	5.04×10 ⁶	230.47	3.22	688.38	-3.1
129	A(+42.01)GPR	98	4.91×10 ⁶	221.62	6.29	441.23	-3
130	A(+42.01)PAAA	88	4.89×10 ⁶	442.23	25.66	441.22	-2.7
131	QSPSGTGPGQLQQR	82.8	4.77×10 ⁶	720.86	14.23	1439.71	-1.5
132	YPQAVS	80.9	4.62×10 ⁶	664.33	15.02	663.32	-1.4
133	A(+42.01)GPQ	84.3	4.53×10 ⁶	414.20	11.11	413.19	-1.9
134	Q(+42.01)AGP	80.4	4.53×10 ⁶	770.35	17.67	769.34	-1.6
135	VPLE	81.1	4.49×10 ⁶	457.26	12.90	456.26	-2
136	PYAYP	81.1	4.46×10 ⁶	610.29	32.07	609.28	-1.1
137	ALGGY	85.8	4.44×10 ⁶	480.24	19.39	479.24	-2.7
138	LTGPVG	82.7	4.34×10 ⁶	543.31	17.25	542.31	-2.1
139	EGLGPM(+15.99)	80.6	4.33×10 ⁶	619.27	11.08	618.27	-2.3
140	DRLL	94.8	4.28×10 ⁶	258.66	17.50	515.31	-3.1
141	DLRL	88.9	4.28×10 ⁶	258.66	17.50	515.31	-3.1
142	ALGGF	85.7	4.28×10 ⁶	464.25	34.33	463.24	-2.5
143	ALGVE	84.1	4.27×10 ⁶	488.27	13.69	487.26	-2.3
144	RN(+0.98)LL	80.8	4.26×10 ⁶	258.66	18.42	515.31	-2.8
145	EGMGPM	80.9	4.24×10 ⁶	621.24	23.75	620.23	-1.1
146	LPTDLV	89.8	4.21×10 ⁶	657.38	50.10	656.37	-1.9
147	K(+42.01)VGPEG	84.3	4.20×10 ⁶	628.33	21.79	627.32	-0.9
148	PAYGV	84	4.07×10 ⁶	506.26	18.56	505.25	-1.8
149	VDRL	90.7	4.03×10 ⁶	251.65	3.19	501.29	-3.3
150	APGEF	88	3.99×10 ⁶	520.24	17.29	519.23	-3
151	ALGAM	83.3	3.97×10 ⁶	462.24	16.74	461.23	-2.7
152	ASGPAGM	83.8	3.92×10 ⁶	590.26	11.15	589.25	-1.3
153	K(+42.01)DTGAQ	83.1	3.75×10 ⁶	661.31	6.67	660.31	-0.8
154	K(+42.01)PTD	80	3.70×10 ⁶	502.25	14.50	501.24	-2.3
155	APGPLGPSGP	88.5	3.60×10 ⁶	964.47	31.90	963.47	-1.9
156	Q(+42.01)AAG	80.4	3.60×10 ⁶	388.18	13.82	387.18	-3.7
157	VGGF	85.9	3.58×10 ⁶	379.20	16.50	378.19	-2.3
158	A(+42.01)AGPM	83.3	3.57×10 ⁶	488.22	6.81	487.21	-1.7
159	WGPW	82.1	3.28×10 ⁶	642.31	14.52	641.30	7.4
160	LSVPH	90.6	3.22×10 ⁶	276.66	10.30	551.31	-3.1
161	SLVPH	88.1	3.22×10 ⁶	276.66	10.30	551.31	-3.1
162	LVGPQG	86	3.19×10 ⁶	570.32	10.98	569.32	-2
163	K(+42.01)VGPE	82.6	3.15×10 ⁶	571.31	21.38	570.30	-1.2

164	LGVGPE	80.5	3.15×10 ⁶	571.31	21.38	570.30	-1.1
165	R(+42.01)AGPSGL	89.9	3.14×10 ⁶	350.19	8.99	698.37	-2.3
166	KGPVV	89.4	3.14×10 ⁶	499.32	1.62	498.32	-2.3
167	QVGPAGP	91.4	2.87×10 ⁶	753.39	12.69	752.38	-1.5
168	AGVGPAGP	89.3	2.87×10 ⁶	625.33	15.06	624.32	-1.1
169	A(+42.01)AGPAGPM(+15.99)	83.6	2.86×10 ⁶	729.32	7.15	728.32	-0.3
170	K(+42.01)GYPE	80.9	2.86×10 ⁶	635.30	27.10	634.30	-1.6
171	QTGGF	85.5	2.74×10 ⁶	509.23	10.57	508.23	-3.6
172	QVGPAGPQ	90.8	2.73×10 ⁶	753.39	12.69	752.38	-1.5
173	A(+42.01)PLD	88.4	2.73×10 ⁶	457.23	33.72	456.22	-2.1
174	WEQG	81.4	2.72×10 ⁶	519.22	23.90	518.21	-2.6
175	VSLPR	94.9	2.65×10 ⁶	286.18	14.27	570.35	-2.8
176	EGGPL	90.7	2.64×10 ⁶	472.24	20.75	471.23	-2.4
177	Q(+42.01)LVGPGAG	85.2	2.62×10 ⁶	740.39	18.36	739.39	-1.3
178	SLLR	93	2.61×10 ⁶	244.66	6.84	487.31	-2.2
179	K(+42.01)VGED	80.3	2.60×10 ⁶	589.28	16.78	588.28	-1.8
180	PSGPAGP	84	2.55×10 ⁶	582.29	7.06	581.28	-1.5
181	ATRLP	98.2	2.51×10 ⁶	279.17	7.87	556.33	-2.5
182	ESSVH	81.6	2.49×10 ⁶	657.32	11.11	656.31	-1.4
183	AAKLLT	90.3	2.48×10 ⁶	308.70	8.35	615.40	-2.4
184	DLLSR	88.9	2.47×10 ⁶	603.35	15.85	602.34	-1.6
185	LDRL	90	2.40×10 ⁶	258.66	9.51	515.31	-2.6
186	PLAP	83.6	2.40×10 ⁶	397.24	17.88	396.24	-2.9
187	LPGEL	85.4	2.33×10 ⁶	528.30	32.24	527.30	-1.7
188	TPLHG	89.1	2.31×10 ⁶	262.64	6.20	523.28	-2.6
189	QTGPEGL	85.6	2.22×10 ⁶	701.35	23.85	700.34	-0.2
190	GPAGPTGPTGRPQ	81.5	2.20×10 ⁶	596.81	12.07	1191.60	-1.5
191	LPEGGP	86.4	2.14×10 ⁶	682.38	40.24	681.37	-1.9
192	APGPLGPSGDP	89	2.13×10 ⁶	964.47	31.90	963.47	-1.9
193	APGPLGPSGPD	85.8	2.13×10 ⁶	964.47	31.90	963.47	-1.9
194	QGLTGVPV	81.6	2.08×10 ⁶	728.39	27.82	727.39	-1.4
195	A(+42.01)GQR	80.6	2.06×10 ⁶	237.13	5.55	472.24	-2.5
196	AVGGF	83.5	2.05×10 ⁶	450.23	21.76	449.23	-2
197	A(+42.01)GPEGL	83.3	2.05×10 ⁶	585.29	43.39	584.28	-1.3
198	QVGPAGPQGPQGPAGQR	80.8	2.04×10 ⁶	801.41	22.48	1600.81	-0.4
199	ALGF	83.8	1.85×10 ⁶	407.23	33.20	406.22	-3.5
200	YPQAM	84.8	1.81×10 ⁶	609.27	19.84	608.26	-1.9
201	LVGPQ	86.9	1.80×10 ⁶	513.30	9.89	512.30	-1.7
202	K(+42.01)PTDL	88.4	1.78×10 ⁶	615.33	43.50	614.33	-1.4
203	GPVGPAGP	80	1.65×10 ⁶	651.34	17.84	650.34	-1.6
204	AYPVT	85.5	1.63×10 ⁶	550.29	15.36	549.28	-1.6
205	KLVVG	86.6	1.62×10 ⁶	515.35	7.43	514.35	-1.7
206	PGDGR	93.2	1.61×10 ⁶	251.12	7.25	500.23	-2.7
207	PLMD	80	1.57×10 ⁶	475.22	17.53	474.21	-3.1
208	PEVP	83.7	1.56×10 ⁶	441.23	11.05	440.23	-2.7

209	EPVP	82.8	1.56×10 ⁶	441.23	11.05	440.23	-2.7
210	GPLGPSGPD	85.9	1.55×10 ⁶	796.38	25.59	795.38	-2.2
211	LEGPL	83.2	1.49×10 ⁶	528.30	30.66	527.30	-1.4
212	Q(+42.01)AGPAGPM	81.7	1.48×10 ⁶	770.35	17.67	769.34	-1.6
213	PVLR	87.6	1.44×10 ⁶	242.66	0.01	483.32	-4.4
214	M(+15.99)SGLPR	90.2	1.42×10 ⁶	338.68	6.88	675.34	-1.9
215	LPEGGPL	89.7	1.40×10 ⁶	682.38	40.24	681.37	-1.9
216	A(+42.01)FGT	88.1	1.36×10 ⁶	437.20	31.14	436.20	-2
217	A(+42.01)AGPLGPSGPD	84.2	1.36×10 ⁶	980.47	26.89	979.46	-2
218	QLDGL	83.8	1.33×10 ⁶	545.29	35.39	544.29	-0.8
219	YLPR	93	1.32×10 ⁶	274.66	6.16	547.31	-2.5
220	TPELA	91.6	1.31×10 ⁶	530.28	14.71	529.27	-2.6
221	LPVH	95.6	1.27×10 ⁶	233.14	5.82	464.27	-2.3
222	PGDR	96.3	1.26×10 ⁶	222.61	6.81	443.21	-2.8
223	DPLL	80.2	1.22×10 ⁶	457.26	41.61	456.26	-2.9
224	K(+42.01)VGEAGE	86.6	1.21×10 ⁶	731.36	21.69	730.35	0.4
225	A(+42.01)GAG	84.8	1.16×10 ⁶	317.14	11.32	316.14	-3.1
226	EGLTGPVG	84.2	1.12×10 ⁶	729.38	34.06	728.37	-0.9
227	GPVGPAGPL	81.7	1.11×10 ⁶	764.43	43.15	763.42	-0.4
228	LEGLE	82.6	9.99×10 ⁵	560.29	20.21	559.29	-2
229	PAGPR	91.7	9.71×10 ⁵	249.14	5.92	496.28	-2.3
230	TM(+15.99)PVLLTEALPNPK	82.6	9.58×10 ⁵	770.43	65.01	1538.84	5.4
231	TM(+15.99)PVLLTEALPNPK	80.8	9.58×10 ⁵	770.43	65.01	1538.84	5.4
232	P(+42.01)CGPM	85.6	9.26×10 ⁵	546.21	42.19	545.20	-0.1
233	LAHLTG	88.9	9.10×10 ⁵	306.18	11.01	610.34	-2.2
234	VPLYE	89.9	8.91×10 ⁵	620.33	33.20	619.32	-2.2
235	LGYPK	92.7	8.80×10 ⁵	289.17	9.61	576.33	-1.4
236	DYAGGK	85.2	8.34×10 ⁵	305.65	32.07	609.28	4.9
237	ATPAVE	81	8.15×10 ⁵	587.30	8.96	586.30	-2.2
238	PLVP	84.5	7.72×10 ⁵	425.27	33.89	424.27	-2.7
239	HCLST	85.6	6.67×10 ⁵	560.25	25.45	559.24	8.5
240	LGVGPVG	84	6.64×10 ⁵	598.35	32.69	597.35	-2.5
241	A(+42.01)LGPF	83.5	6.27×10 ⁵	546.29	43.33	545.28	-1.5
242	GLHLP	85.4	5.96×10 ⁵	268.66	51.37	535.31	-1.2
243	HLGLP	85.4	5.96×10 ⁵	268.66	51.37	535.31	-1.2
244	K(+42.01)HLP	85.2	5.96×10 ⁵	268.66	51.37	535.31	-1.2
245	ALRLP	97.4	5.82×10 ⁵	285.19	50.99	568.37	-0.7
246	A(+42.01)PEV	80.3	4.74×10 ⁵	457.23	36.39	456.22	-2.3
247	K(+42.01)VGPL	89.3	2.77×10 ⁵	555.35	50.65	554.34	-1.1
248	EVLTL	82.5	2.53×10 ⁵	574.34	64.24	573.34	-0.2
249	Q(+42.01)PSQ	82.6	1.90×10 ⁵	501.23	9.47	500.22	-1.5
250	TLRL	87.7	1.89×10 ⁵	251.67	5.51	501.33	-3.7
251	EHPVLL	81.2	1.89×10 ⁵	354.21	65.45	706.40	-0.5
252	LPGYL	80.3	1.70×10 ⁵	562.32	57.49	561.32	-0.5
253	LPLDLL	82.4	1.69×10 ⁵	683.43	66.60	682.43	1.1

254	ELVVLPE	92	1.64×10^5	399.73	55.25	797.45	-1.9
255	TLPL	81.6	9.67×10^4	443.28	34.64	442.28	-3.9
	Total 255 peptides						

Table S2 Feed intake of normal model mice experiment

Groups	1 st week	2 nd week	3 rd week	4 th week	5 th week	6 th week
CON	5.02±0.33	4.72±1.47	5.97±1.93	6.19±0.83	5.92±1.14	5.17±1.26
SIF	5.45±0.29	7.53±1.50	6.03±0.63	6.53±0.51	5.88±0.68	5.94±0.65
SCPL	6.77±1.49	7.34±0.04	6.87±1.18	5.19±0.08	6.43±0.44	5.81±0.08
SCPH	4.97±1.89	6.27±2.14	5.42±1.74	5.65±0.27	5.34±0.52	5.16±1.11

Table S3 Feed intake of POF model mice experiment

Groups	1 st week	2 nd week	3 rd week	4 th week	5 th week
CON	5.69±2.75	5.64±2.62	4.82±1.41	5.51±0.76	4.77±1.12
POF	6.37±1.40	6.42±0.57	5.29±1.28	4.52±0.40	5.83±0.34
POF+SIF	7.30±1.04	6.16±0.90	6.32±0.56	6.78±0.19	6.30±0.11
POF+SCPL	8.29±0.88	6.13±0.59	4.49±0.18	3.79±0.04	4.50±0.47
POF+SCPH	7.33±0.63	6.39±0.82	5.55±1.53	5.84±1.06	5.88±0.61

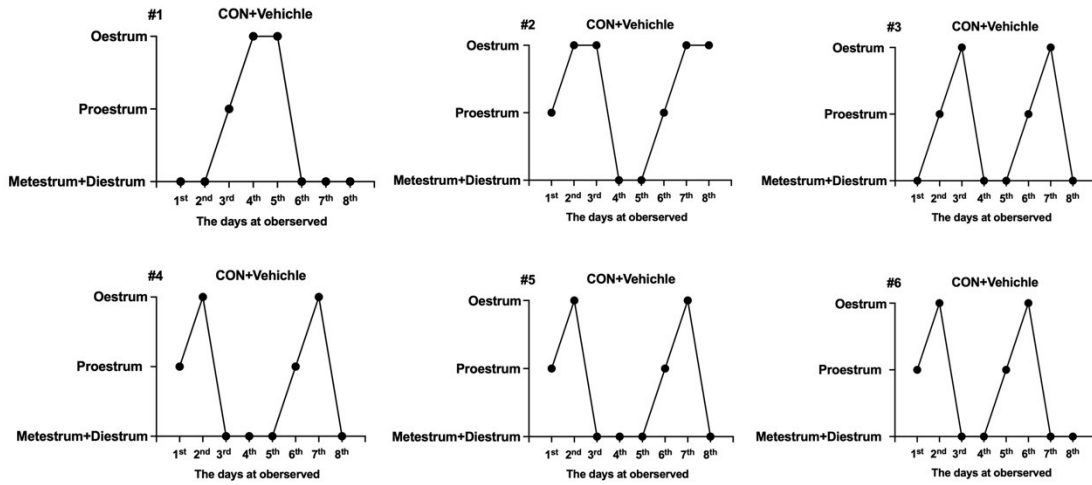
Table S4 Organ index of normal model mice experiment

Groups	Organ index (%)		
	Liver	Kidney	Spleen
CON	3.69±0.31	1.09±0.07	0.36±0.09
SIF	2.51±0.33	1.10±0.11	0.36±0.07
SCPL	3.37±0.34	1.07±0.15	0.31±0.03
SCPH	3.60±0.30	1.06±0.06	0.36±0.07

Table S5 Organ index of POF model mice experiment

Groups	Organ index (%)		
	Liver	Kidney	Spleen
CON	3.69±0.24	1.12±0.12	0.35±0.04
POF	3.68±0.22	1.06±0.10	0.36±0.08
POF+SIF	3.78±0.33	1.12±0.11	0.37±0.07
POF+SCPL	3.65±0.26	1.10±0.09	0.37±0.05
POF+SCPH	3.51±0.18	1.06±0.09	0.36±0.07

A



B

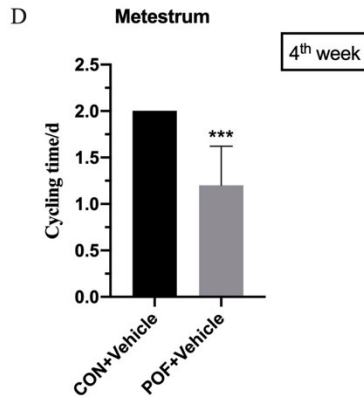
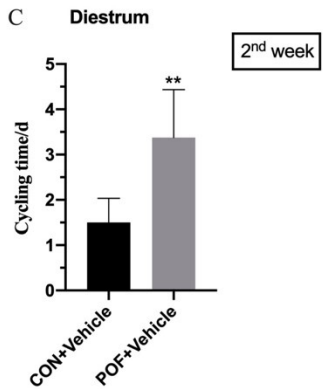
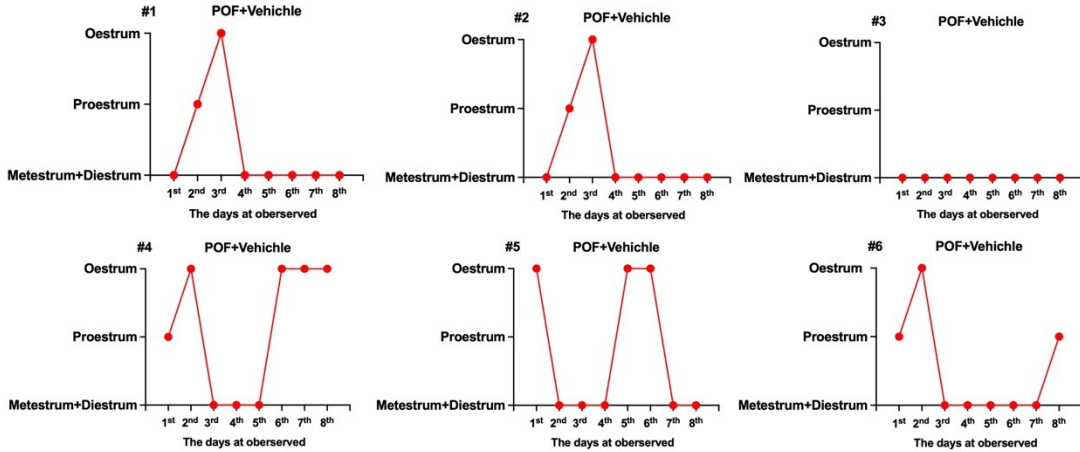


Figure S2 The comparison of the estrous cycle between CON and POF groups. (A) estrous cycle of mice in the CON+Vehicle group at 4th week. (B) estrous cycle of mice in the POF+Vehicle group at 4th week. (C) The counting days of diestrum at 2nd week. (D) The counting days of metestrum at 4th week.

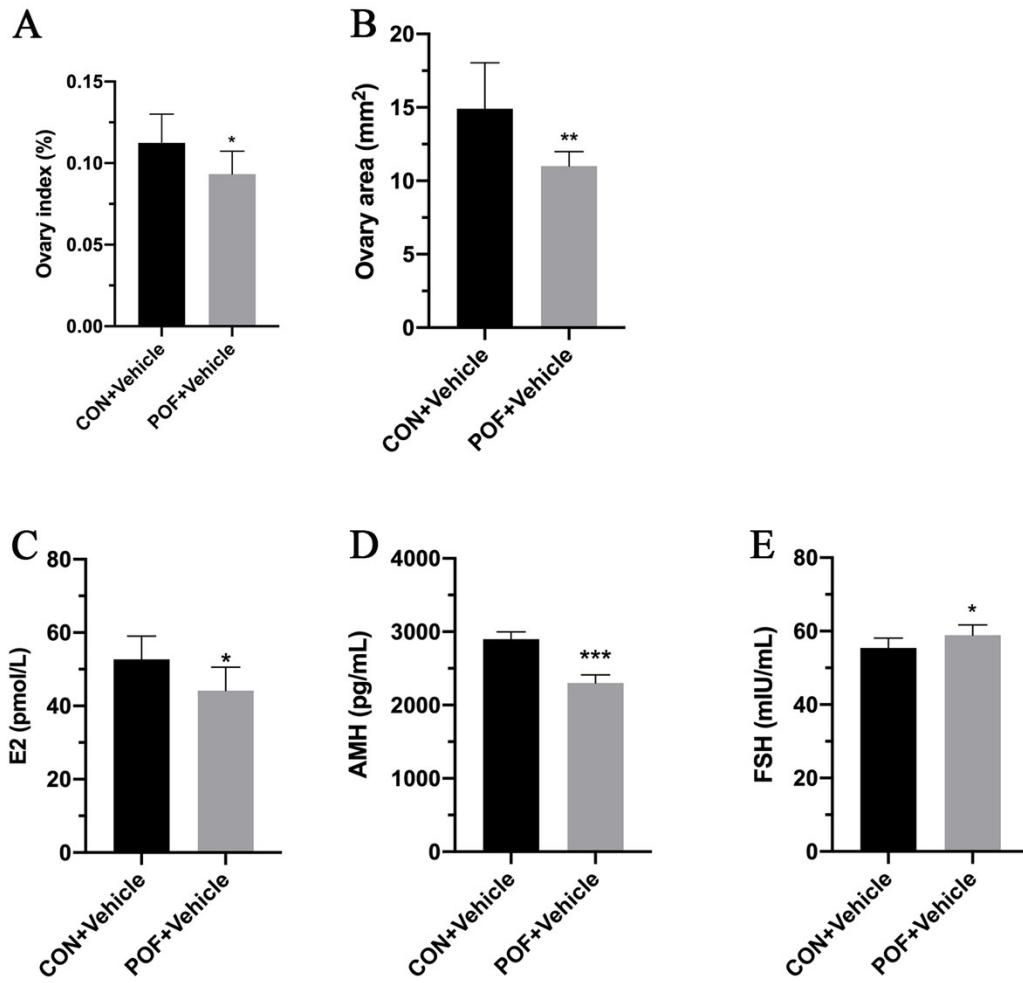


Figure S3 The comparison of ovary indexes and hormone level between CON+Vehicle and POF+Vehicle group. Compared with CON+Vehicle group, * indicated $p < 0.05$, ** indicated $p < 0.01$.