

Table S1 Total amino acids determination in the enzymatic extracts

Sample type	Amino acids (% w/w)																
	Gly	Ala	Ser	Pro	Val	Thr	Ile	Leu	Asp	Lys	Glu	His	Phe	Arg	Tyr	Cys	Met
Coffee green beans	0.66 ± 0.05	0.44 ± 0.02	0.51 ± 0.01	0.53 ± 0.02	0.58 ± 0.02	0.36 ± 0.01	0.40 ± 0.02	0.90 ± 0.04	1.03 ± 0.05	0.57 ± 0.01	2.16 ± 0.09	0.06 ± 0.00	0.53 ± 0.02	0.55 ± 0.03	0.22 ± 0.01	0.21 ± 0.02	0.16 ± 0.01
Coffee silverskins	0.44 ± 0.03	0.43 ± 0.01	0.45 ± 0.01	0.46 ± 0.02	0.47 ± 0.01	0.37 ± 0.01	0.40 ± 0.01	0.65 ± 0.02	0.83 ± 0.03	0.26 ± 0.01	0.78 ± 0.01	0.06 ± 0.00	0.44 ± 0.01	0.26 ± 0.01	0.18 ± 0.02	0.19 ± 0.02	0.14 ± 0.00
CGB raw alcalase	1.21 ± 0.11	0.96 ± 0.20	1.00 ± 0.09	1.19 ± 0.31	1.08 ± 0.10	0.67 ± 0.05	0.55 ± 0.27	1.59 ± 0.11	2.04 ± 0.58	1.36 ± 0.55	4.42 ± 0.88	n. d.	0.81 ± 0.45	n. d.	0.56 ± n.d.	0.46 ± n. a.	0.25 ± n. a.
CGB raw papain	1.39 ± 0.18	0.94 ± 0.11	0.96 ± 0.02	1.11 ± 0.15	1.08 ± 0.01	0.67 ± 0.09	0.56 ± 0.31	1.58 ± 0.06	2.11 ± 0.38	1.42 ± 0.15	4.57 ± 0.35	n. d.	0.88 ± 0.23	n. d.	0.75 ± n.d.	0.61 ± n. a.	0.24 ± n. a.
CGB raw pepsin	1.17 ± 0.26	0.89 ± 0.15	0.87 ± 0.12	1.08 ± 0.24	0.88 ± 0.07	0.60 ± 0.03	0.45 ± 0.23	1.28 ± 0.13	1.93 ± 0.35	1.17 ± 0.19	3.85 ± 0.36	n. d.	0.69 ± 0.18	n. d.	0.57 ± n.d.	0.47 ± n. a.	0.17 ± n. a.
CGB raw trypsin	1.23 ± 0.10	0.97 ± 0.10	0.94 ± 0.06	1.09 ± 0.10	1.06 ± 0.05	0.67 ± 0.12	0.57 ± 0.35	1.56 ± 0.06	2.20 ± 0.29	1.50 ± 0.46	4.60 ± 0.26	n. d.	0.84 ± 0.49	n. d.	0.59 ± n.d.	0.54 ± n. a.	0.25 ± n. a.
CGB raw mix (alcalase + papain)	1.15 ± 0.14	0.96 ± 0.12	0.85 ± 0.05	1.02 ± 0.11	1.00 ± 0.00	0.60 ± 0.09	0.51 ± 0.31	1.46 ± 0.01	2.27 ± 0.34	1.48 ± 0.37	4.69 ± 0.34	n. d.	0.66 ± 0.38	n. d.	0.53 ± n.d.	0.52 ± n. a.	0.22 ± n. a.
CGB defatted alcalase	1.22 ± 0.24	0.94 ± 0.17	0.90 ± 0.04	1.11 ± 0.13	1.04 ± 0.02	0.64 ± 0.09	0.55 ± 0.32	1.56 ± 0.03	2.13 ± 0.57	1.41 ± 0.44	4.32 ± 0.58	n. d.	0.82 ± 0.33	n. d.	0.69 ± n.d.	0.54 ± n. a.	0.25 ± n. a.
CGB defatted papain	1.50 ± 0.63	1.14 ± 0.46	1.58 ± 1.12	1.13 ± 0.29	1.15 ± 0.31	0.86 ± 0.31	0.57 ± 0.18	1.65 ± 0.40	2.24 ± 0.60	1.48 ± 0.41	4.65 ± 0.43	n. d.	0.92 ± 0.07	n. d.	1.20 ± n.d.	0.69 ± n. a.	0.25 ± n. a.
CGB defatted pepsin	1.33 ± 0.17	0.91 ± 0.04	0.91 ± 0.01	1.13 ± 0.12	0.91 ± 0.06	0.63 ± 0.11	0.49 ± 0.31	1.32 ± 0.01	2.00 ± 0.17	1.23 ± 0.17	4.03 ± 0.09	n. d.	0.72 ± 0.32	n. d.	0.61 ± n.d.	0.55 ± n. a.	0.18 ± n. a.
CGB defatted trypsin	1.29 ± 0.24	1.01 ± 0.03	1.02 ± 0.09	1.22 ± 0.20	1.16 ± 0.04	0.72 ± 0.05	0.62 ± 0.33	1.71 ± 0.03	2.25 ± 0.17	1.46 ± 0.11	4.71 ± 0.02	n. d.	0.97 ± 0.15	n. d.	0.76 ± n.d.	0.62 ± n. a.	0.30 ± n. a.
CGB defatted mix (alcalase + papain)	1.27 ± 0.17	0.91 ± 0.06	0.96 ± 0.10	1.12 ± 0.18	1.05 ± 0.00	0.67 ± 0.07	0.55 ± 0.31	1.52 ± 0.03	2.02 ± 0.18	1.28 ± 0.15	4.46 ± 0.01	n. d.	0.91 ± 0.28	n. d.	0.75 ± n.d.	0.53 ± n. a.	0.24 ± n. a.
CSS alcalase	0.70 ± 0.09	0.75 ± 0.01	0.72 ± 0.01	0.67 ± 0.02	0.74 ± 0.01	0.67 ± 0.02	0.71 ± 0.00	0.99 ± 0.02	1.57 ± 0.04	0.55 ± 0.01	1.47 ± 0.01	0.35 ± 0.04	0.68 ± 0.03	0.44 ± 0.02	0.53 ± 0.02	0.27 ± 0.02	0.28 ± 0.03
CSS papain	0.50 ± 0.01	0.26 ± 0.00	0.27 ± 0.01	0.23 ± 0.02	0.22 ± 0.02	0.23 ± 0.00	0.24 ± 0.00	0.27 ± 0.00	0.73 ± 0.01	0.51 ± 0.01	0.77 ± 0.03	0.26 ± 0.02	0.18 ± 0.00	0.25 ± 0.01	0.18 ± 0.00	0.30 ± n. a.	0.10 ± n. a.
CSS pepsin	0.42 ± 0.01	0.27 ± 0.00	0.28 ± 0.03	0.28 ± 0.02	0.21 ± 0.00	0.23 ± 0.01	0.22 ± 0.01	0.26 ± 0.00	0.68 ± 0.01	0.5 ± 0.01	0.63 ± 0.02	0.23 ± 0.01	0.16 ± 0.00	0.26 ± 0.02	0.17 ± 0.00	0.08 ± n. a.	0.06 ± n. a.
CSS trypsin	0.34 ± 0.03	0.28 ± 0.00	0.29 ± 0.01	0.29 ± 0.00	0.26 ± 0.02	0.25 ± 0.02	0.27 ± 0.01	0.32 ± 0.01	0.75 ± 0.01	0.47 ± 0.02	0.65 ± 0.01	0.31 ± 0.04	0.21 ± 0.03	0.35 ± 0.04	0.21 ± 0.00	0.17 ± 0.04	0.14 ± 0.03
CSS mix (alcalase + papain)	0.72 ± 0.00	0.64 ± 0.01	0.6 ± 0.02	0.58 ± 0.01	0.62 ± 0.01	0.55 ± 0.02	0.6 ± 0.02	0.79 ± 0.02	1.36 ± 0.02	0.55 ± 0.02	1.3 ± 0.04	0.32 ± 0.04	0.57 ± 0.01	0.38 ± 0.02	0.43 ± 0.00	n. a.	n. a.

n. d.: not detected n. a.: not available

Table S2 Peptide identification in the CGB enzymatic extracts

Peptide	-10lgP	Mass	Length	ppm	m/z	RT	Area	Accession	PTM
NAQEPSFRFPS	71,27	1278,5992	11	1,4	640,3078	19,24	2,15E+06	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
NAQEPSFRFPSE	66,63	1407,6418	12	2,5	704,83	19,42	8,56E+05	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
AQEPSFRFPSE	65,28	1293,5989	11	1,5	647,8077	19,51	3,36E+05	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
NAQEPSFRFPSEAGLT	62,77	1749,8322	16	3,3	875,9263	23,23	4,38E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
AQEPSFRFPS	60,23	1164,5563	10	1,7	583,2864	19,24	7,08E+05	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
NAQ(+.98)EPSFRFPS	56,49	1279,5833	11	0,4	640,7991	22,94	5,09E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	Deamidation (NQ)
DSIDRGNDAWKGM	54,23	1463,6462	13	1,7	732,8316	14,11	2,54E+05	tr A0A068TKQ7 A0A068TKQ7_COFA:tr A8Y5V3 A8Y5V3_COFA	
N(+.98)AQEPSFRFPS	48,79	1279,5833	11	0,4	640,7991	22,94	5,09E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	Deamidation (NQ)
ADVFNPR	44,92	817,4082	7	2,1	409,7122	9,58	7,59E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
GFPDAVNHPNFP	42,28	1397,6364	13	2,7	699,8273	19,84	6,83E+04	tr A0A068VDG8 A0A068VDG8_COFA	
QEPSFRFPS	38,54	1093,5192	9	1,1	547,7675	19,14	5,90E+05	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
VDKGTVELPGTN	38,16	1228,6299	12	-1,5	615,3213	13,26	3,53E+04	tr A0A068V3J7 A0A068V3J7_COFA:tr A0A068UAS9 A0A068UAS9_COFA	
QEPSFRFPSE	36,87	1222,5618	10	1,2	612,2889	19,41	2,39E+05	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
SENIQLPQE	35,42	985,4716	9	1,5	493,7438	17,3	2,03E+05	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
SIDRGNDAWKGM	35,32	1348,6194	12	2,2	675,3185	11,59	2,52E+04	tr A0A068TKQ7 A0A068TKQ7_COFA:tr A8Y5V3 A8Y5V3_COFA	
NAQEPSFRFP	33,55	1191,5673	10	1,2	596,7916	20,95	2,05E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
KTNDNAMINPL	31,18	1229,6074	11	1,1	615,8116	17,16	8,82E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
NAQEPSFRFPSEA	30,18	1478,679	13	7	740,3519	19,72	2,21E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
YIGTPKGIL	29,57	1017,5858	10	2,3	509,8013	18,13	1,91E+04	tr A0A068V3J7 A0A068V3J7_COFA:tr A0A068UAS9 A0A068UAS9_COFA	
DSIDRGNDAW	29,07	1147,4894	10	2,1	574,7532	13,67	1,09E+05	tr A0A068TKQ7 A0A068TKQ7_COFA:tr A8Y5V3 A8Y5V3_COFA	
DVGRPGVQDPGVG	28,31	1251,6207	13	2,4	626,8192	11,05	1,46E+04		
LVGKDPTDQTGID	28,13	1357,6725	13	2,3	679,8451	11,33	8,07E+03		
SDKVQIF	27,35	835,444	7	0,8	418,7296	16,36	2,04E+04	tr A0A068VDG8 A0A068VDG8_COFA	
SE(+55.92)NIGLPQ	26,62	912,3487	8	1	457,1821	16,68	2,68E+05	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
SEEAELKYGRQEALLSEQSQ	26,07	2664,2878	23	1,3	889,1044	20,92	2,90E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA	
RQPGPIPGIN	23,88	1047,5825	10	2	524,7996	14,64	9,51E+03		
SAYGAGVP	22,79	720,3442	8	-9,2	361,1761	41,76	2,47E+04		
QLSAERGLY	22,66	1182,6033	10	5,2	592,312	19,98	1,00E+04	tr O82437 O82437_COFA:tr P93079 P93079_COFA:tr Q9ZNY2 Q9ZNY2_COFA	
FVVCEPGT	19,66	850,3895	8	0,2	426,2021	35,94	1,02E+05		
QENIGRVL	19,59	927,5137	8	1,3	464,7647	13,68	2,86E+04	tr A0A068TKQ7 A0A068TKQ7_COFA:tr A8Y5V3 A8Y5V3_COFA	

LASSLNYIGGT	19,32	1094,5608	11	-6,3	365,8586	11,1	1,60E+05		
NLPDGGCGNK	18,38	973,4287	10	-5,8	487,7188	31,55	1,17E+05		
QSPTIPQ	18,13	769,397	7	0,5	385,706	16,97	2,68E+04		
HPPLCIVSDIF	17,93	1239,6322	11	4,1	620,8259	18,59	1,26E+05		
AVNHHPNFPS	17,5	981,4668	9	1,6	491,7415	9,88	1,57E+04	tr A0A068VDG8 A0A068VDG8_COFCA	
KDEGEPPK	17,3	898,4396	8	0,9	450,2275	17,51	2,20E+04		
KCSGEPKQ	17,03	932,4385	9	6,8	467,2297	18,57	1,00E+05		
CLDCFSAPEEVHD	17,03	1463,5697	13	-3,9	732,7893	19,42	8,54E+04		
ESGDNHEQ	16,48	914,3366	8	7,4	458,179	16,64	9,71E+04		
ENPQNSKPDDDAS	15,82	1415,5801	13	-0,3	708,7971	12,11	1,57E+04		
NDGD(+55.92)VPL	15,79	784,2538	7	1,6	393,1348	15,73	2,63E+05	tr O82437 O82437_COFAR:tr P93079 P93079_COFAR:tr Q9ZNY2 Q9ZNY2_COFAR	
ALGGFGVGLGAGV	15,45	1073,5869	13	1	537,8013	18,81	2,18E+04		
SGYGGSKS(+79.97)G	15,37	878,3171	9	-8,6	440,162	26,05	6,54E+04	tr A0A068TKQ7 A0A068TKQ7_COFCA	Phosphorylation (STY)
SE(+55.92)NIGLPQE	15,1	1041,3914	9	1,3	521,7036	17,3	1,91E+05	tr O82437 O82437_COFAR:tr P93079 P93079_COFAR:tr Q9ZNY2 Q9ZNY2_COFAR	
LSDHNGSS	15,02	815,3409	8	-4,7	408,6758	27,97	1,30E+05		

Table S3 Peptide identification in the CSS enzymatic extracts

Peptide	-10lgP	Mass	Length	PP m	m/z	RT	Area Sample	Accession	PTM
IIDSGITPGHPSFSDE	106,76	1670,7787	16	-0,8	836,3959	18,33	6,17E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
GIIDSGITPGHPSFSDE	98,59	1727,8002	17	-0,3	864,9071	21,33	1,60E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
VIDTGITPDHPSFSDE	92,13	1728,7842	16	1,1	865,4003	18,39	2,34E+06	tr A0A068UNA6 A0A068UNA6_COFCA	
GHVNPPRAIDPGLT	91,04	1442,7629	14	-0,8	722,3882	13,81	1,19E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
GHVNPPRAIDPGLTY	88,35	1605,8263	15	-2	803,9188	16,84	1,11E+07	tr A0A068UNL8 A0A068UNL8_COFCA	
GAGHVNPPRAIDPGLTY	84,36	1733,8849	17	-0,4	867,9494	17,1	2,12E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
DSGITPGHPSFSDE	81,71	1444,6106	14	0,1	723,3126	15,81	1,51E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
GVIDTGITPDHPSFSDE	80,65	1785,8057	17	1,8	893,9117	20,34	1,29E+05	tr A0A068UNA6 A0A068UNA6_COFCA	
FIVGPIPIINDGLGKE	76,28	1567,861	15	0,1	784,9379	27,64	3,98E+05	tr A0A068V9U7 A0A068V9U7_COFCA:tr A0A068TQU2 A0A068TQU2_COFCA	
SIQPVAPADPHVV	75,7	1328,7089	13	-0,6	665,3613	17,02	3,41E+06	tr A0A3P8MYP6 A0A3P8MYP6_COFCA:tr A0A068VCQ0 A0A068VCQ0_COFCA	
IIDSGITPGHPSFS	75,1	1426,7092	14	-0,4	714,3616	18,18	1,56E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
VNPPRAIDPGLTY	72,09	1411,746	13	-0,4	706,88	19,75	6,34E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
DLLGPKPGQPLDE	71,58	1377,714	13	-0,4	689,864	19,58	6,78E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
IIDSGITPGHPS	71,31	1192,6088	12	-0,4	597,3114	12,05	1,14E+07	tr A0A068UNL8 A0A068UNL8_COFCA	
GITPGHPSFSDE	71,26	1242,5516	12	-1,4	622,2822	13,45	8,43E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
SIQPVAPADPH	69,47	1130,572	11	0,5	566,2936	10,31	1,62E+06	tr A0A3P8MYP6 A0A3P8MYP6_COFCA:tr A0A068VCQ0 A0A068VCQ0_COFCA	
GGPSKLPFFDDPIAL	67,89	1572,8187	15	-1,3	787,4156	33,44	6,78E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
GIIDSGITPGHPSFS	67,69	1483,7307	15	-0,9	742,8719	21,33	4,46E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
IDSGITPGHPS	64,71	1079,5247	11	0,1	540,7697	7,76	6,74E+04	tr A0A068UNL8 A0A068UNL8_COFCA	

GAGHVNPPRAIDPGLT	64,4	1570,8215	16	-0,6	786,4176	14,24	4,78E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
VGDP RPQPNGEDM(+15.99)GNFY	64,17	1810,7581	16	0	906,3863	13,79	7,08E+05	tr A0A068VNV4 A0A068VNV4_COFCA	Oxidation (M)
RLPGQPDGVDFN	61,62	1313,6364	12	-1,4	657,8245	17	4,41E+05	tr A0A068TZK8 A0A068TZK8_COFCA:tr A0A068TYK8 A0A068TYK8_COFCA	
SGITPGHPSFSDE	60,14	1329,5836	13	-1	665,7984	13,63	4,52E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
WVGDP RPQPNGEDM(+15.99)	59,3	1515,6412	13	-1,9	758,8264	11,18	8,33E+05	tr A0A068VNV4 A0A068VNV4_COFCA	Oxidation (M)
GKLIGDPSFGLPF	56,72	1346,7234	13	-0,1	674,3689	31,37	2,42E+06	tr A0A068VNV4 A0A068VNV4_COFCA	
WVGDP RPQPNGEDM(+15.99)GNFY	55,95	1996,8373	17	-1,7	999,4242	19,28	5,81E+05	tr A0A068VNV4 A0A068VNV4_COFCA	Oxidation (M)
WGEDGYIR	54,96	994,4508	8	-0,5	498,2325	14,57	3,72E+06	tr A0A068TZE0 A0A068TZE0_COFCA	
RAGDAPSPGAGSIE	54,23	1283,6106	14	-1,9	642,8113	7,74	0	tr A0A068VNV4 A0A068VNV4_COFCA	
DTGITPDHPSFSDE	54,11	1516,6317	14	1,8	759,3245	15,76	1,81E+05	tr A0A068UNA6 A0A068UNA6_COFCA	
KPDII GPGVN	52,96	1008,5604	10	-0,7	505,2871	12,81	3,39E+06	tr A0A068UNL8 A0A068UNL8_COFCA:tr A0A068UNA6 A0A068UNA6_COFCA	
PADDP RN F	52,52	930,4195	8	-0,5	466,2168	15,08	6,13E+05	tr A0A068VNV4 A0A068VNV4_COFCA	
GHVNPPRAID	52,45	1074,557	10	1	538,2863	6,01	1,88E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
NASPGILKPD	51,11	1010,5396	10	0,1	506,2771	11,72	7,75E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
PRQPNGEDM(+15.99)GNFY	51,06	1539,6412	13	-2,6	770,8259	11,05	3,23E+05	tr A0A068VNV4 A0A068VNV4_COFCA	Oxidation (M)
GPKPGQPLDE	49,36	1036,5189	10	2,1	519,2678	6,87	3,52E+04	tr A0A068UNL8 A0A068UNL8_COFCA	
GAGHVNPPRAID	48,34	1202,6156	12	2,6	602,3167	6,38	1,94E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
AIPHIPIH	48,19	896,5232	8	-1,5	449,2682	14,58	4,77E+06	tr A0A068VNV4 A0A068VNV4_COFCA	
HVNPPRAIDPGLTY	46,82	1548,8048	14	-0,2	775,4095	16,84	4,77E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
ALPADDP RN F	46,7	1114,5406	10	-0,1	558,2775	15,13	1,49E+07	tr A0A068VNV4 A0A068VNV4_COFCA	
VVDQVRVE	46,4	942,5134	8	0	472,264	8,57	2,44E+05	tr D7REL9 D7REL9_COFAR:tr A0A068VB43 A0A068VB43_COFCA:tr A0A068V8L2 A0A068V8L2_COFCA	
SIQPVAPADPRVA	45,46	1319,7197	13	-0,5	660,8668	14,7	7,71E+05	tr A0A068VCC7 A0A068VCC7_COFCA	
GITPDHPSFSDE	44,75	1300,5571	12	-1,4	651,2849	14,24	1,72E+06	tr A0A068UNA6 A0A068UNA6_COFCA	
GIIDSGITPGHPS	44,49	1249,6302	13	-1,6	625,8214	16,11	3,63E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
SRGPNNASPGIL	43,68	1181,6152	12	-1	591,8143	13,42	7,82E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
PRQPN(+.98)GEDM(+15.99)GNFY	42,07	1540,6252	13	-0,6	771,3195	12,12	2,65E+04	tr A0A068VNV4 A0A068VNV4_COFCA	Deamidation (NQ); Oxidation (M)
DLLGPK(+58.01)PGQPLDE	40,46	1435,7194	13	-1	718,8662	22,06	4,44E+05	tr A0A068UNL8 A0A068UNL8_COFCA	Carboxymethyl (KW, X@N-term)
GGPSK(+58.01)LPFFDDPIAL	40,02	1630,8242	15	-0,4	816,4191	36,85	1,13E+06	tr A0A068UNL8 A0A068UNL8_COFCA	Carboxymethyl (KW, X@N-term)
KGAVLPVKDQ	39,79	1053,6182	10	-0,1	527,8163	6,25	7,69E+04	tr A0A068TZE0 A0A068TZE0_COFCA	
WVGDP RPQPNGE	38,92	1253,5789	11	0,5	627,797	10,31	2,35E+05	tr A0A068VNV4 A0A068VNV4_COFCA	
VNPPRAIDPGLT	38,89	1248,6826	12	-0,4	625,3483	16,56	3,23E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
SSRGPNNASPGIL	38,69	1268,6472	13	-1,1	635,3302	13,24	1,92E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
SSRGPN(+.98)NASPGIL	37,92	1269,6313	13	-2,3	635,8215	14,24	7,28E+05	tr A0A068UNL8 A0A068UNL8_COFCA	Deamidation (NQ)
GHVNPPRAIDPGL	37,43	1341,7153	13	4,1	671,8677	14,52	0	tr A0A068UNL8 A0A068UNL8_COFCA	
TIDRDIRAT	37,19	1059,5673	9	-0,5	530,7906	5,73	6,38E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
RNDGHIL	35,67	823,4301	7	-1,1	412,7219	6,31	6,79E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
DLLGPKPGQPL	35,27	1133,6444	11	-0,6	567,8292	20,91	5,87E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
GGPSK(+14.02)LPFFDDPIAL	34,47	1586,8344	15	1,1	794,4254	33,48	2,77E+05	tr A0A068UNL8 A0A068UNL8_COFCA	Methylation(KR)
LGP KPGQPLDE	34,37	1149,6029	11	-1,4	575,8079	12,38	4,04E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
DALPGLTY	33,07	848,428	8	0,5	425,2215	20,22	1,24E+06	tr A0A068VEK9 A0A068VEK9_COFCA	
GGGGAGAGRGPIA	32,77	1109,5941	14	0,2	555,8044	11,35	1,53E+05	tr A0PD76 A0PD76_COFAR:tr A0A068VDT0 A0A068VDT0_COFCA:tr A0A068VAJ2 A0A068VAJ2_COFCA	
VYPGM(+15.99)NGDQF	32,24	1142,4702	10	0,4	572,2426	16,49	7,56E+05	tr A0A068UNA6 A0A068UNA6_COFCA	Oxidation (M)
TGITPDHPSFSDE	31,82	1401,6049	13	-1,2	701,8089	14,84	7,16E+04	tr A0A068UNA6 A0A068UNA6_COFCA	
KLFFDDPIAL	31,43	1274,691	11	-0,4	638,3525	33,61	4,76E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
GITPGHPSFS	30,52	998,4821	10	-0,8	500,2479	12,72	7,33E+05	tr A0A068UNL8 A0A068UNL8_COFCA	

KALPADDPRNF	30,36	1242,6356	11	-0,6	622,3247	10,99	4,84E+05	tr A0A068VNV4 A0A068VNV4_COFCA	
SIQPVAPADPR	29,61	1149,6141	11	0,8	575,8148	10,6	5,80E+05	tr A0A068VCC7 A0A068VCC7_COFCA	
GGPSK(+72.02)LPFFDDPIAL	28,43	1644,8398	15	-0,2	823,4271	37,03	2,46E+05	tr A0A068UNL8 A0A068UNL8_COFCA	Carboxyethyl
RWVGDPRPQPNGEDM(+15.99)	28,2	1671,7423	14	0,3	558,2549	7,48	4,59E+05	tr A0A068VNV4 A0A068VNV4_COFCA	Oxidation (M)
NLPVRVAPQ	28,18	992,5767	9	-2,9	497,2942	13,24	1,18E+06	tr A0A068V471 A0A068V471_COFCA	
SVVNAKF	26,46	763,4228	7	-1,1	382,7183	18,45	1,13E+06	tr A0A068UQI2 A0A068UQI2_COFCA	
EITGSVHLVG	25,69	1010,5397	10	0	506,2771	11,72	7,75E+05	tr A0A068V1G4 A0A068V1G4_COFCA	
DSGITPGHPS	24,91	966,4407	10	-2,7	484,2263	6,4	5,27E+04	tr A0A068UNL8 A0A068UNL8_COFCA	
SAGRDIVFY	24,46	1026,5134	9	-1,8	514,2631	18,84	1,48E+06	tr A0A068VNV4 A0A068VNV4_COFCA	
VLATHMIL	24,35	896,5154	8	7,3	449,2682	15,33	6,26E+05	tr A0A068TQZ9 A0A068TQZ9_COFCA	
SIQPVAPADPH(+72.02)VVG	24,22	1457,7513	14	2,8	729,885	16,37	1,35E+05	tr A0A3P8MYP6 A0A3P8MYP6_COFCA:tr A0A068VCQ0 A0A068VCQ0_COFCA	Ethoxyformylation
RVLDSNNVNVNPPDE	24,04	1566,7638	14	-2	784,3876	13,83	8,80E+04	tr A0A068UJ50 A0A068UJ50_COFCA	
NAQEPSFRFPS	23,37	1278,5992	11	-0,4	640,3066	19,66	1,56E+06		
PIFAVGPLHK	22,44	1077,6334	10	-4,6	539,8215	19,57	1,20E+06		
LPFFDD(+55.92)PIAL	22,18	1202,5157	10	-0,2	602,265	39,55	7,57E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
GGPSKLPF	21,8	801,4385	8	-1,7	401,7258	17,43	2,23E+06	tr A0A068UNL8 A0A068UNL8_COFCA	
FDDPIAL	21,73	789,3908	7	-1,8	395,702	27,73	4,35E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
ADNAAGRRPGYGVV	21,54	1401,7113	14	-0,7	701,8624	7,78	2,88E+05		
KLEGVSITTY	21,24	1109,5968	10	-2,2	555,8044	11,35	1,53E+05		
RKGTISGSFVP	21,1	1147,6349	11	-0,9	574,8242	17,6	4,80E+05		
LRITDGKSN	21,01	1002,5458	9	3,6	502,282	18,89	2,14E+06		
GPNNASPGILKPD	20,96	1278,6567	13	-3,6	640,3334	12,58	1,66E+05	tr A0A068UNL8 A0A068UNL8_COFCA	
WVGDPRPQN(+.98)GEDM(+15.99)	20,19	1516,6252	13	-4	759,3169	11,31	0	tr A0A068VNV4 A0A068VNV4_COFCA	Deamidation (NQ); Oxidation (M)
LP PPPPNPNP	20,07	1038,5498	10	6,4	520,2855	12,36	1,58E+05		
SK(+14.02)ANDPGLVN(+.98)C	19,6	1131,5229	11	-4,2	566,7664	9,64	3,33E+04		Methylation(KR); Deamidation (NQ)
MHGCSASALIVHA	19,22	1382,6434	14	-1,3	692,3281	14,22	0		
VNRN(+.98)DGHIL	19,03	1037,5254	9	-3,8	519,768	7,77	0	tr A0A068UNL8 A0A068UNL8_COFCA	Deamidation (NQ)
PAAIKSAIMTTAT	19,01	1274,6904	13	-0,3	638,3523	34,61	4,67E+05		
PAAIKSALMTTAT	19,01	1274,6904	13	-0,3	638,3523	34,61	4,67E+05		
LSTSAAAAATAAVEAAGA	18,93	1502,7576	18	0,3	501,9266	7,26	1,45E+05		
QGAQGPPMML	18,8	994,4906	10	-1,6	498,2518	10,72	2,58E+05		
YCPAVCSY	18,54	904,3459	8	2	453,1811	20,25	5,38E+05		
GYTKGDGLGAEIV	18,48	1278,6455	13	5,2	640,3334	12,58	1,66E+05		
AGRRPGYGVVT	18,32	1131,6149	11	-1,1	566,8141	6,12	9,75E+04		
NGSGGPQF	18,26	762,3297	8	0,5	382,1723	7,04	3,10E+05		
KLPPPPKVN	17,86	988,6069	9	-1,2	495,3102	7,41	7,80E+05		
TSSSLPLVGK	17,77	987,5601	10	-3,2	494,7857	16,53	0		
GEGGGYGKGGGAGVGGGYGGG	17,73	1983,8306	26	-2	992,9205	17,95	3,12E+06		
GEGGG									
LRAGVGPAVP	17,61	935,5552	10	0,1	468,7849	19,83	6,71E+05		
ADNIRPTDLDM	17,6	1259,5815	11	-5,4	630,7946	8,01	0		
GGYGGGGEAGGGYGKGG	17,45	1356,5693	17	-8	679,2865	10,52	6,82E+04		
PGTSSGAIASPLGPGG	17,38	1324,6622	16	4	442,5631	5,86	0		
RWVGDPRPQPNGEDM(+15.99)GNFY	17,35	2152,9385	18	-0,2	718,6533	16,35	1,92E+05	tr A0A068VNV4 A0A068VNV4_COFCA	Oxidation (M)

LPPFDDPIALGA(+28.03)	17,28	1302,6859	12	5,8	652,354	30,95	1,83E+05	tr A0A068UNL8 A0A068UNL8_COFCA	Ethylation
DSIATSGTDE	17,12	994,4091	10	2,3	498,213	10,88	7,24E+03		
ETGPAIS	17,11	673,3282	7	-5	337,6697	5,47	0		
NVVPAPAP	16,79	763,4228	8	-0,8	382,7184	20,21	1,80E+06		
LNTSVGVLECK	16,73	1161,6063	11	-0,4	581,8102	37,9	2,42E+06		
EMAYDALKEEG	16,7	1254,5438	11	4,1	628,2817	12,49	3,79E+05		
PSLSTPSASLLG	16,65	1128,6027	12	1,6	565,3095	17,19	5,14E+05		
SVALKNF	16,57	777,4385	7	1	389,7269	18,47	0		
EALLLRPL	16,38	923,5804	8	-1,4	462,7968	23,1	1,08E+06	tr A0A068VNV4 A0A068VNV4_COFCA	Deamidation followed by a methylation
VDIPWVK	16,21	855,4854	7	0	428,75	22,27	1,39E+06		
NVFATGAGHVN(+15.00)P	15,98	1197,5778	12	-0,2	599,796	6,2	4,87E+05		
EDAVPSPPIILLP	15,94	1246,6809	12	-2,2	624,3464	11,52	8,27E+04		
DLLGNGTPR	15,76	941,493	9	-0,7	471,7535	5,73	5,64E+04		
SSPGKGKSGSAWGA	15,54	1275,6207	14	-1,5	638,8167	14,57	9,59E+05		
SIAGGTGSGMGSY	15,47	1143,4866	13	-1,1	572,7499	10,66	8,16E+04		
SGADDRQVK	15,12	974,4781	9	1,5	488,2471	12,5	8,39E+05		
KPITNPPIPA	15,1	1046,6124	10	-1	524,313	10,43	1,91E+05		