Supplementary Materials

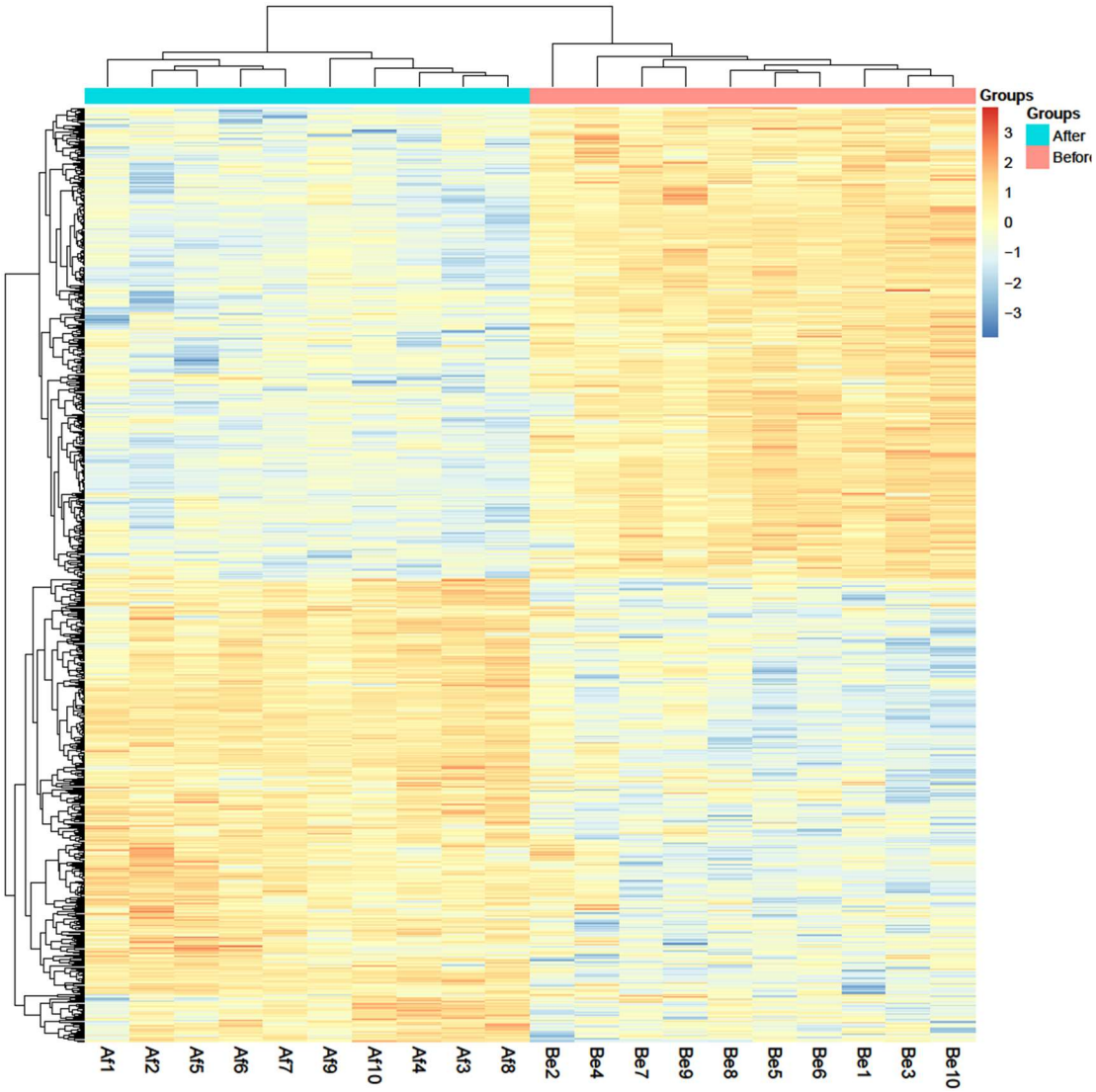


Figure S1. Heat map of the proteome data compared before simulated firefighting and after simulated firefighting.

Table S1. The KEGG Pathway analysis of the significant differentially expressed proteins.

ID	the metabolic pathways	Gene Ratio	P value
hsa04610	Complement and coagulation cascades	23/283	＜0.001
hsa04142	Lysosome	22/283	＜0.001
hsa04514	Cell adhesion molecules	21/283	＜0.001
hsa04512	ECM-receptor interaction	14/283	＜0.001
hsa03320	PPAR signaling pathway	12/283	0.004270098
hsa05146	Amoebiasis	12/282	0.026523
hsa04979	Cholesterol metabolism	10/283	0.001566071
hsa00531	Glycosaminoglycan degradation	5/283	0.030694094

Table S2 Top 20 proteins with the most significantly up-regulated or down-regulated.

ID	Protein	P.adjust value	Fold.Change	Threshold
P00915	Carbonic anhydrase 1	0.00000153	68.04645	UP
P55808	Glycoprotein Xg	0.00000255	33.63088	UP
P36955	Pigment epithelium-derived factor	0.000000457	24.10917	UP
Q9P1F3	Costars family protein ABRACL	0.000000267	19.40702	UP
Q9UGM5	Fetuin-B	0.000000425	18.32206	UP
O75368	SH3 domain-binding glutamic acid-rich-like protein	0.000000425	15.04502	UP
Q08397	Lysyl oxidase homolog 1	0.00000306	14.08245	UP
P01008	Antithrombin-III	0.0000029	13.07405	UP
P61769	Beta-2-microglobulin	0.000000375	11.41514	UP
P02753	Retinol-binding protein 4	0.000000425	8.782076	UP
P01019	Angiotensinogen	0.00000211	8.079919	UP
Q15848	Adiponectin	0.000000267	7.67816	UP
P55854;P61956;Q6EEV6	Small ubiquitin-related modifier 3/2/4	0.00000333	6.642497	UP
Q13740	CD166 antigen	0.000000756	6.059273	UP
Q02747	Guanylin	0.00000165	5.867213	UP
Q14126	Desmoglein-2	0.0000000232	4.865698	UP
P01700	Immunoglobulin lambda variable 1-47	0.00000311	4.355256	UP
Q92520	Protein FAM3C	0.000000425	4.253501	UP
Q14766	Latent-transforming growth factor beta-binding protein 1	0.00000159	3.682827	UP
P30043	Flavin reductase (NADPH)	0.000000457	3.573658	UP
P31997	Carcinoembryonic antigen-related cell adhesion molecule 8	0.000041	0.477758	DOWN
P04275	von Willebrand factor	0.0000325	0.463517	DOWN
P53801	Pituitary tumor-transforming gene 1 protein-interacting protein	0.0000306	0.451365	DOWN
Q9H665	IGF-like family receptor 1	0.0000158	0.438283	DOWN
Q99715	Collagen alpha-1(XII) chain	0.0000365	0.426061	DOWN
Q07954	Prolow-density lipoprotein receptor-related protein 1	0.0000092	0.401434	DOWN
Q9NPF0	CD320 antigen	0.0000267	0.400231	DOWN
P36896	Activin receptor type-1B	0.00000311	0.397438	DOWN
P24855	Deoxyribonuclease-1	0.0000126	0.381064	DOWN
Q68D85	Natural cytotoxicity triggering receptor 3 ligand 1	0.0000312	0.380797	DOWN
P24530	Endothelin receptor type B	0.0000392	0.375717	DOWN
Q6UVK1	Chondroitin sulfate proteoglycan 4	0.0000158	0.364728	DOWN
Q7Z7M0	Multiple epidermal growth factor-like domains protein 8	0.0000134	0.35714	DOWN
O95998	Interleukin-18-binding protein	0.00000919	0.320017	DOWN
Q9UKZ9	Procollagen C-endopeptidase enhancer 2	0.00000465	0.309874	DOWN
Q6UX71	Plexin domain-containing protein 2	0.00000333	0.301267	DOWN
Q71RC9	Small integral membrane protein 5	0.0000165	0.253228	DOWN
P09564	T-cell antigen CD7	0.00000311	0.245364	DOWN
O75051	Plexin-A2	0.00000631	0.235016	DOWN
Q7L0X0	TLR4 interactor with leucine rich repeats	0.00000745	0.053201	DOWN