

Supplemental Table 4. Enriched Gene Ontology (GO) categories in differentially up-regulated BALF proteins in HIV+ patients relative to the entire BALF proteome.

Annotation	Name	Category	Number of Proteins	Fold Enrichment	P-value
biological process	positive regulation of multicellular organismal process	GO:0051240	28	6.36	2.00E-04
biological process	positive regulation of coagulation	GO:0050820	6	14.83	6.00E-04
biological process	regulation of fibrinolysis	GO:0051917	6	14.83	6.00E-04
biological process	positive regulation of blood coagulation	GO:0030194	6	14.83	6.00E-04
biological process	positive regulation of hemostasis	GO:1900048	6	14.83	6.00E-04
biological process	negative regulation of multicellular organismal process	GO:0051241	37	4.81	9.00E-04
biological process	antigen processing and presentation of exogenous peptide antigen via MHC class I	GO:002480	2	29.67	1.10E-03
biological process	regeneration	GO:0031099	16	7.42	1.40E-03
biological process	response to wounding	GO:0009611	133	2.45	1.80E-03
biological process	acute inflammatory response	GO:002526	29	5.11	1.90E-03
biological process	fibrinolysis	GO:0042730	9	9.89	2.50E-03
biological process	regulation of response to stress	GO:0080134	78	3.04	2.50E-03
biological process	positive regulation of fibrinolysis	GO:0051919	3	19.78	3.20E-03
biological process	regulation of response to external stimulus	GO:0032101	48	3.71	3.60E-03
biological process	inflammatory response	GO:0006954	67	3.1	4.50E-03
biological process	acute-phase response	GO:0006953	11	8.09	4.70E-03
biological process	negative regulation of hemostasis	GO:1900047	12	7.42	6.10E-03
biological process	negative regulation of blood coagulation	GO:0030195	12	7.42	6.10E-03
biological process	plasminogen activation	GO:0031639	4	14.83	6.30E-03
biological process	negative regulation of fibrinolysis	GO:0051918	4	14.83	6.30E-03
biological process	negative regulation of coagulation	GO:0050819	13	6.85	7.70E-03
biological process	regulation of defense response	GO:0031347	58	3.07	9.50E-03
biological process	regulation of wound healing	GO:0061041	14	6.36	9.60E-03
biological process	regulation of hemostasis	GO:1900046	14	6.36	9.60E-03
biological process	regulation of sequence-specific DNA binding transcription factor activity	GO:0051090	14	6.36	9.60E-03
biological process	regulation of blood coagulation	GO:0030193	14	6.36	9.60E-03
biological process	negative regulation of sequence-specific DNA binding transcription factor activity	GO:0043433	5	11.87	1.02E-02
biological process	interferon-gamma production	GO:0032609	5	11.87	1.02E-02
biological process	vitamin transport	GO:0051180	5	11.87	1.02E-02
biological process	zymogen activation	GO:0031638	5	11.87	1.02E-02
biological process	regulation of interferon-gamma production	GO:0032649	5	11.87	1.02E-02
biological process	regulation of coagulation	GO:0050818	15	5.93	1.17E-02
biological process	negative regulation of cell proliferation	GO:0008285	28	4.24	1.18E-02
biological process	positive regulation of adaptive immune response	GO:002821	6	9.89	1.50E-02
biological process	tissue regeneration	GO:0042246	6	9.89	1.50E-02
biological process	pinocytosis	GO:0006907	6	9.89	1.50E-02
biological process	defense response	GO:0006952	149	1.99	1.56E-02
biological process	posttranscriptional regulation of gene expression	GO:0010608	31	3.83	1.70E-02
biological process	protein processing	GO:0016485	18	4.94	1.97E-02
biological process	blood coagulation, intrinsic pathway	GO:0007597	7	8.48	2.06E-02
molecular function	signaling adaptor activity	GO:0035591	3	20.64	2.90E-03
molecular function	SH3/SH2 adaptor activity	GO:0005070	3	20.64	2.90E-03
molecular function	endopeptidase activity	GO:0004175	44	3.52	1.04E-02
molecular function	serine-type endopeptidase activity	GO:0004252	20	4.64	2.35E-02
molecular function	alcohol binding	GO:0043178	8	7.74	2.48E-02
molecular function	protein domain specific binding	GO:0019904	23	4.04	3.42E-02
molecular function	serine hydrolase activity	GO:0017171	23	4.04	3.42E-02
molecular function	serine-type peptidase activity	GO:0008236	23	4.04	3.42E-02
molecular function	peptidase activity, acting on L-amino acid peptides	GO:0070011	59	2.62	3.46E-02
molecular function	cysteine-type endopeptidase activity	GO:0004197	10	6.19	3.84E-02
molecular function	peptidase activity	GO:0008233	61	2.54	3.94E-02
molecular function	glycoprotein binding	GO:0001948	11	5.63	4.60E-02
molecular function	binding, bridging	GO:0060090	11	5.63	4.60E-02
molecular function	protein binding, bridging	GO:0030674	11	5.63	4.60E-02
molecular function	steroid binding	GO:0005496	11	5.63	4.60E-02
cellular component	extracellular region	GO:0005576	213	2.5	6.42E-06
cellular component	extracellular space	GO:0005615	118	2.76	7.00E-04
cellular component	MHC class I protein complex	GO:0042612	2	29.64	1.10E-03
cellular component	extracellular region part	GO:0044421	134	2.43	2.00E-03
cellular component	endosome lumen	GO:0031904	4	14.82	6.30E-03
cellular component	MHC protein complex	GO:0042611	4	14.82	6.30E-03