

Supplemental Table 3. Enriched Gene Ontology (GO) categories in differentially up-regulated BALF proteins in HIV- patients.

Annotation	Name	Category	Number of Proteins	Fold Enrichment	Raw P-value	Adjusted P-value
biological process	humoral immune response	GO:0006959	6	17.8	1.02E-06	2.00E-04
biological process	response to wounding	GO:0009611	12	5.4	1.55E-06	2.00E-04
biological process	acute inflammatory response	GO:0002526	6	14.98	2.82E-06	3.00E-04
biological process	response to stress	GO:0006950	20	2.97	3.92E-06	3.00E-04
biological process	complement activation, classical pathway	GO:0006958	4	34.77	4.91E-06	3.00E-04
biological process	hemostasis	GO:0007599	6	12.71	7.30E-06	3.00E-04
biological process	humoral immune response mediated by circulating immunoglobulin	GO:0002455	4	27.25	1.33E-05	5.00E-04
biological process	complement activation	GO:0006956	4	24.6	2.02E-05	7.00E-04
biological process	activation of plasma proteins involved in acute inflammatory response	GO:0002541	4	22.92	2.68E-05	8.00E-04
biological process	regulation of body fluid levels	GO:0050878	6	9.95	2.95E-05	8.00E-04
biological process	response to external stimulus	GO:0009605	13	3.63	4.07E-05	1.00E-03
biological process	protein folding	GO:0006457	6	8.95	5.35E-05	1.30E-03
biological process	innate immune response	GO:0045087	6	8.59	6.70E-05	1.40E-03
biological process	protein processing	GO:0016485	5	11.56	7.01E-05	1.40E-03
biological process	blood coagulation	GO:0007596	5	11.16	8.32E-05	1.60E-03
biological process	coagulation	GO:0050817	5	10.87	9.42E-05	1.60E-03
biological process	protein maturation	GO:0051604	5	10.68	1.00E-04	1.60E-03
biological process	wound healing	GO:0042060	6	7.8	1.00E-04	1.60E-03
biological process	defense response	GO:0006952	10	3.84	2.00E-04	2.70E-03
biological process	B cell mediated immunity	GO:0019724	4	14.41	2.00E-04	2.70E-03
biological process	immunoglobulin mediated immune response	GO:0016064	4	14.61	2.00E-04	2.70E-03
biological process	protein maturation by peptide bond cleavage	GO:0051605	4	11.73	4.00E-04	5.10E-03
biological process	cellular anion homeostasis	GO:0030002	2	56.02	5.00E-04	5.90E-03
biological process	inflammatory response	GO:0006954	7	4.92	5.00E-04	5.90E-03
biological process	activation of immune response	GO:0002253	4	10.08	7.00E-04	7.60E-03
biological process	immune response	GO:0006955	10	3.36	7.00E-04	7.60E-03
biological process	response to stimulus	GO:0050896	25	1.82	8.00E-04	7.80E-03
biological process	lymphocyte mediated immunity	GO:0002449	4	9.51	8.00E-04	7.80E-03
biological process	immune system process	GO:0002376	12	2.84	8.00E-04	7.80E-03
biological process	anion homeostasis	GO:0055081	2	42.02	1.00E-03	8.80E-03
biological process	adaptive immune response	GO:0002250	4	8.92	1.00E-03	8.80E-03
biological process	immune effector process	GO:0002252	5	6.3	1.20E-03	1.00E-02
biological process	membrane organization	GO:0016044	7	4.28	1.20E-03	1.00E-02
biological process	protein metabolic process	GO:0019538	22	1.87	1.40E-03	1.13E-02
biological process	leukocyte mediated immunity	GO:0002443	4	8	1.60E-03	1.26E-02
biological process	regulation of immune response	GO:0050776	5	5.78	1.70E-03	1.30E-02
biological process	positive regulation of immune response	GO:0050778	4	7.1	2.40E-03	1.79E-02
biological process	hexose metabolic process	GO:0019318	4	6	4.40E-03	3.19E-02
biological process	cellular iron ion homeostasis	GO:0006879	2	17.39	5.90E-03	4.17E-02
molecular function	unfolded protein binding	GO:0051082	6	13.83	4.54E-06	3.00E-04
molecular function	endopeptidase inhibitor activity	GO:0004866	5	8.92	2.00E-04	7.30E-03
molecular function	peptidase inhibitor activity	GO:0030414	5	8.45	3.00E-04	7.30E-03
molecular function	calcium-dependent cysteine-type endopeptidase activity	GO:0004198	2	32.55	1.70E-03	2.77E-02
molecular function	eukaryotic cell surface binding	GO:0043499	2	30.64	1.90E-03	2.77E-02
molecular function	purine ribonucleotide binding	GO:0032555	15	2.15	3.00E-03	3.13E-02
molecular function	ribonucleotide binding	GO:0032553	15	2.15	3.00E-03	3.13E-02
molecular function	enzyme inhibitor activity	GO:0004857	5	4.84	3.70E-03	3.38E-02
molecular function	purine nucleotide binding	GO:0017076	15	2.06	4.50E-03	3.65E-02
molecular function	cell surface binding	GO:0043498	2	17.96	5.50E-03	3.65E-02
molecular function	protein binding	GO:0005515	41	1.33	5.50E-03	3.65E-02
cellular component	cytosol	GO:0005829	20	4.45	5.69E-09	4.89E-07
cellular component	cytoplasmic membrane-bounded vesicle	GO:0016023	12	6.21	3.62E-07	9.59E-06
cellular component	cytoplasm	GO:0005737	45	1.73	3.86E-07	9.59E-06
cellular component	membrane-bounded vesicle	GO:0031988	12	6.01	5.15E-07	9.59E-06
cellular component	pigment granule	GO:0048770	6	19.18	6.69E-07	9.59E-06
cellular component	melanosome	GO:0042470	6	19.18	6.69E-07	9.59E-06
cellular component	chaperonin-containing T-complex	GO:0005832	3	119.17	1.53E-06	1.88E-05
cellular component	cytoplasmic vesicle	GO:0031410	12	5.31	1.89E-06	2.03E-05
cellular component	vesicle	GO:0031982	12	5.09	2.92E-06	2.79E-05
cellular component	cytoplasmic part	GO:0044444	33	1.92	1.34E-05	1.00E-04
cellular component	platelet alpha granule	GO:0031091	4	21.39	3.58E-05	3.00E-04
cellular component	cytoplasmic vesicle part	GO:0044433	6	9.43	4.05E-05	3.00E-04
cellular component	fibrinogen complex	GO:0005577	2	79.44	3.00E-04	2.00E-03
cellular component	platelet alpha granule lumen	GO:0031093	3	20.35	4.00E-04	2.50E-03
cellular component	cytoplasmic membrane-bounded vesicle lumen	GO:0060205	3	18.96	5.00E-04	2.90E-03
cellular component	vesicle lumen	GO:0031983	3	18.13	6.00E-04	3.20E-03
cellular component	external side of plasma membrane	GO:0009897	4	8.49	1.30E-03	6.60E-03
cellular component	secretory granule	GO:0030141	4	6.39	3.50E-03	1.55E-02
cellular component	extracellular region	GO:0005576	15	2.1	3.60E-03	1.55E-02
cellular component	brush border membrane	GO:0031526	2	22.24	3.60E-03	1.55E-02
cellular component	Golgi-associated vesicle membrane	GO:0030660	2	19.86	4.50E-03	1.84E-02
cellular component	cell surface	GO:0009986	5	4.56	4.70E-03	1.84E-02
cellular component	plasma membrane part	GO:0044459	14	2.03	6.90E-03	2.58E-02
cellular component	vesicle coat	GO:0030120	2	14.63	8.20E-03	2.94E-02
cellular component	intrinsic to plasma membrane	GO:0031226	10	2.31	1.02E-02	3.44E-02
cellular component	brush border	GO:0005903	2	12.93	1.04E-02	3.44E-02
cellular component	cytoplasmic vesicle membrane	GO:0030659	3	6.47	1.12E-02	3.47E-02
cellular component	cell fraction	GO:0000267	9	2.41	1.13E-02	3.47E-02
cellular component	membrane raft	GO:0045121	3	6.37	1.17E-02	3.47E-02
cellular component	Golgi-associated vesicle	GO:0005798	2	11.35	1.34E-02	3.84E-02
cellular component	vesicle membrane	GO:0012506	3	5.92	1.42E-02	3.94E-02
cellular component	cytosolic part	GO:0044445	3	5.71	1.56E-02	4.19E-02
cellular component	intracellular part	GO:0044424	46	1.21	1.64E-02	4.27E-02
cellular component	intracellular	GO:0005622	47	1.19	1.86E-02	4.70E-02
cellular component	cell projection membrane	GO:0031253	2	8.97	2.09E-02	4.86E-02
cellular component	membrane coat	GO:0030117	2	8.97	2.09E-02	4.86E-02
cellular component	coated membrane	GO:0048475	2	8.97	2.09E-02	4.86E-02
cellular component	soluble fraction	GO:0005625	4	3.74	2.20E-02	4.98E-02