

Supplemental Table 5. 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	negative regulation of ERBB signaling pathway	GO:1901185	5	7.24	4.80E-03
biological process	regulation of protein activation cascade	GO:2000257	10	4.83	6.10E-03
biological process	regulation of complement activation	GO:0030449	10	4.83	6.10E-03
biological process	establishment of protein localization to vacuole	GO:0072666	2	12.07	6.80E-03
biological process	anion homeostasis	GO:0055081	2	12.07	6.80E-03
biological process	protein localization to vacuole	GO:0072665	2	12.07	6.80E-03
biological process	protein targeting to vacuole	GO:0006623	2	12.07	6.80E-03
biological process	cellular anion homeostasis	GO:0030002	2	12.07	6.80E-03
biological process	protein targeting to lysosome	GO:0006622	2	12.07	6.80E-03
biological process	regulation of epidermal growth factor receptor signaling pathway	GO:0042058	6	6.03	9.00E-03
biological process	'de novo' posttranslational protein folding	GO:0051084	11	4.39	9.00E-03
biological process	regulation of ERBB signaling pathway	GO:1901184	6	6.03	9.00E-03
biological process	protein processing	GO:0016485	18	3.35	1.22E-02
biological process	regulation of humoral immune response	GO:0002920	12	4.02	1.27E-02
biological process	purine ribonucleotide metabolic process	GO:0009150	41	2.35	1.48E-02
biological process	humoral immune response	GO:0006959	34	2.48	1.70E-02
biological process	'de novo' protein folding	GO:0006458	13	3.71	1.73E-02
biological process	regulation of protein processing	GO:0070613	13	3.71	1.73E-02
biological process	regulation of lipid kinase activity	GO:0043550	3	8.05	1.92E-02
biological process	positive regulation of lipid kinase activity	GO:0090218	3	8.05	1.92E-02
biological process	lysosomal transport	GO:0007041	3	8.05	1.92E-02
biological process	ribonucleotide metabolic process	GO:0009259	43	2.25	1.97E-02
biological process	purine ribonucleoside triphosphate metabolic process	GO:0009205	35	2.41	1.98E-02
biological process	purine nucleoside triphosphate metabolic process	GO:0009144	35	2.41	1.98E-02
biological process	nucleoside triphosphate metabolic process	GO:0009141	35	2.41	1.98E-02
biological process	ribonucleoside triphosphate metabolic process	GO:0009199	35	2.41	1.98E-02
biological process	regulation of acute inflammatory response	GO:0002673	14	3.45	2.27E-02
biological process	protein maturation	GO:0051604	21	2.87	2.38E-02
biological process	ribonucleoside triphosphate catabolic process	GO:0009203	29	2.5	2.63E-02
biological process	nucleoside triphosphate catabolic process	GO:0009143	29	2.5	2.63E-02
biological process	purine ribonucleoside triphosphate catabolic process	GO:0009207	29	2.5	2.63E-02
biological process	purine nucleoside triphosphate catabolic process	GO:0009146	29	2.5	2.63E-02
biological process	acute inflammatory response	GO:0002526	29	2.5	2.63E-02
biological process	ribose phosphate metabolic process	GO:0019693	46	2.1	2.90E-02
biological process	purine ribonucleotide catabolic process	GO:0009154	30	2.41	3.08E-02
biological process	ribonucleotide catabolic process	GO:0009261	30	2.41	3.08E-02
biological process	activation of protein kinase activity	GO:0032147	9	4.02	3.17E-02
biological process	DNA repair	GO:0006281	9	4.02	3.17E-02
biological process	purine nucleoside catabolic process	GO:0006152	31	2.34	3.58E-02
molecular function	unfolded protein binding	GO:0051082	23	3.15	8.30E-03
molecular function	transferase activity, transferring one-carbon groups	GO:0016741	3	8.05	1.92E-02
molecular function	calcium-dependent cysteine-type endopeptidase activity	GO:0004198	3	8.05	1.92E-02
molecular function	alkali metal ion binding	GO:0031420	3	8.05	1.92E-02
molecular function	cargo receptor activity	GO:0038024	9	4.02	3.17E-02
molecular function	cytokine activity	GO:0005125	4	6.03	3.63E-02
cellular component	intrinsic to plasma membrane	GO:0031226	50	2.47	4.40E-03
cellular component	plasma membrane part	GO:0044459	105	1.88	5.80E-03
cellular component	centrosome	GO:0005813	22	3.37	5.90E-03
cellular component	microtubule organizing center	GO:0005815	29	2.98	6.10E-03
cellular component	external side of plasma membrane	GO:0009897	23	3.22	7.40E-03
cellular component	plasma membrane	GO:0005886	223	1.5	7.80E-03
cellular component	chaperonin-containing T-complex	GO:0005832	6	6.17	8.50E-03
cellular component	membrane raft	GO:0045121	12	4.12	1.18E-02
cellular component	integral to plasma membrane	GO:0005887	49	2.27	1.26E-02
cellular component	cell periphery	GO:0071944	236	1.41	1.80E-02
cellular component	fibrinogen complex	GO:0005577	3	8.23	1.84E-02
cellular component	brush border membrane	GO:0031526	3	8.23	1.84E-02
cellular component	microtubule cytoskeleton	GO:0015630	58	1.92	3.62E-02
cellular component	cytoplasmic membrane-bounded vesicle lumen	GO:0060205	17	2.91	4.16E-02
cellular component	membrane	GO:0016020	325	1.25	4.71E-02