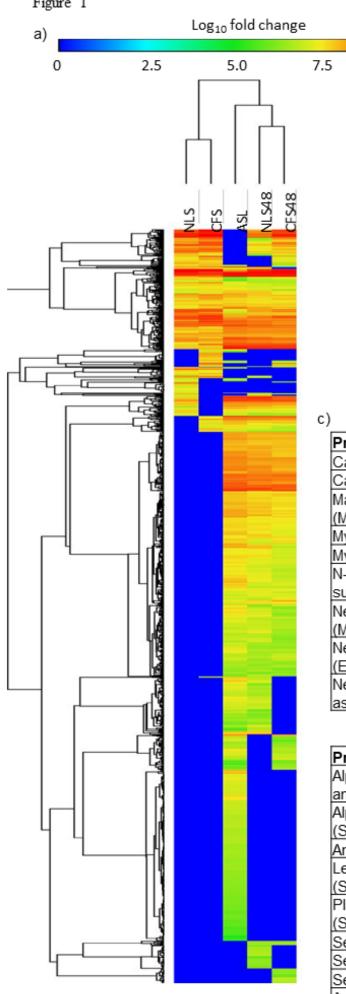
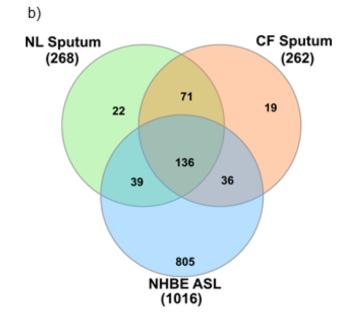
Table 1.

Donor	Mean (Ω'cm²)	±SD	n
DD0190p1	1169	36	6
DD028Np1	933	202	8
DD039Np1	845	47	10
DD064Np1	775	65	9
DD0130p1	533	39	10
DD0010p1	276	30	10

Figure 1





Total ion current

10.0

Proteases	NLS	CFS	ASL
Cathepsin G (CTSG)***	6.8E+07	1.2E+09	0
Cathepsin S (CTSS)	6.6E+06	4.5E+07	3.3E+07
Matrix metalloproteinase-9 (MMP9)***	1.8E+09	2.0E+09	1.2E+08
Myeloblastin (PRTN3)***	1.5E+09	2.2E+09	0
Myeloperoxidase (MPO)***	1.4E+09	1.4E+10	0
N-acetylglucosamine-6- sulfatase (GNS)*	0	7.1E+07	4.7E+07
Neutrophil collagenase (MMP8)***	4.0E+08	2.3E+08	0
Neutrophil elastase (ELANE)***	2.5E+08	2.1E+09	0
Neutrophil gelatinase- associated lipocalin (LCN2)	2.9E+09	4.1E+09	5.6E+09

## **Total ion current**

Protease inhibitors	NLS	CFS	ASL
Alpha-1- antichymotrypsin(SERPINA3)*	1.0E+08	1.8E+08	1.3E+09
Alpha-1-antitrypsin (SERPINA1)***	1.6E+09	4.1E+09	1.1E+08
Antithrombin-III (SERPINC1)***	4.2E+07	1.4E+08	0
Leukocyte elastase inhibitor (SERPINB1)**	2.1E+09	2.1E+09	4.5E+08
Plasma protease C1 inhibitor (SERPING1)	0	4.9E+07	1.0E+08
Serpin B10 (SERPINB10)***	1.1E+08	6.8E+07	0
Serpin B3 (SERPINB3)	8.9E+06	0	2.2E+09
Serpin B6 (SERPINB6)**	5.7E+07	0	8.2E+06
Antileukoproteinase (SLPI)	3.8E+08	0	6.0E+09

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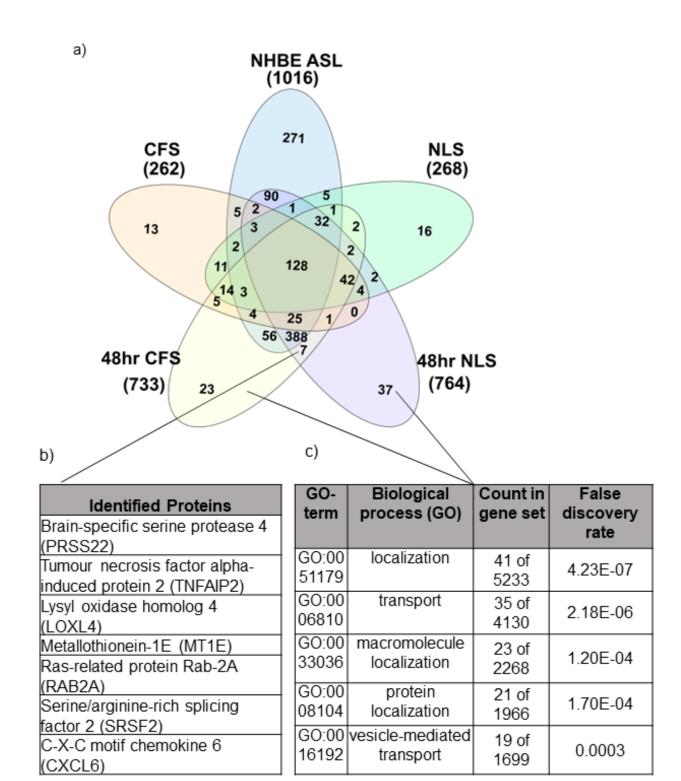
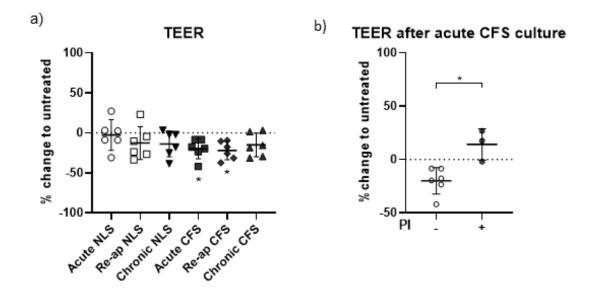
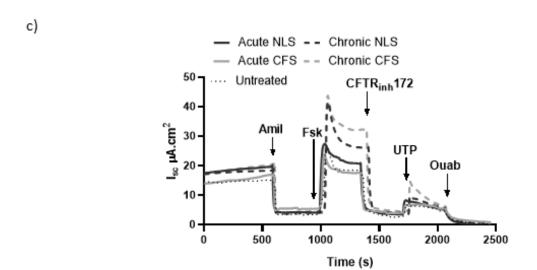


Figure 3





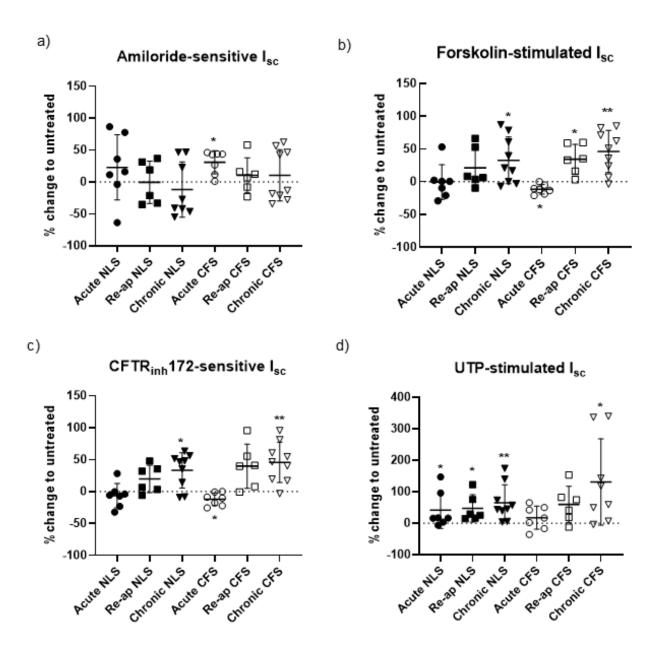


Figure 5

