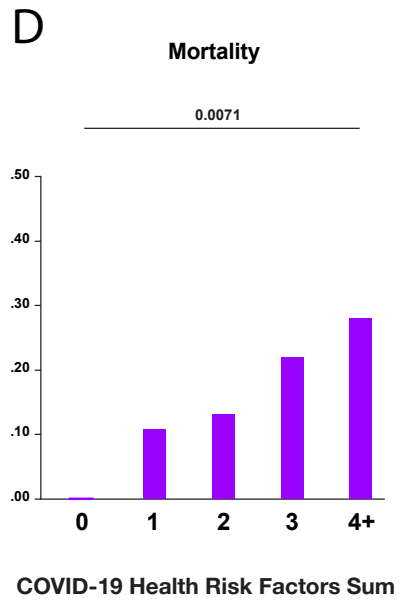
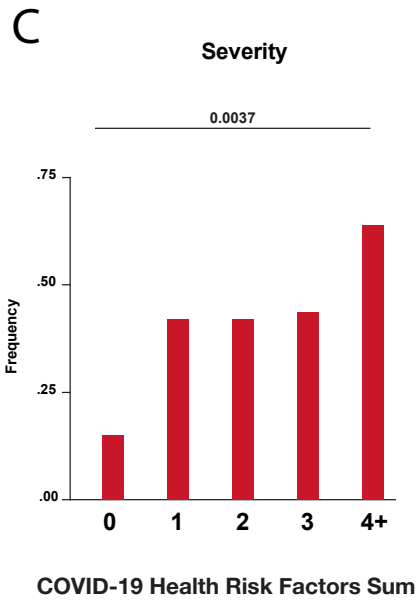
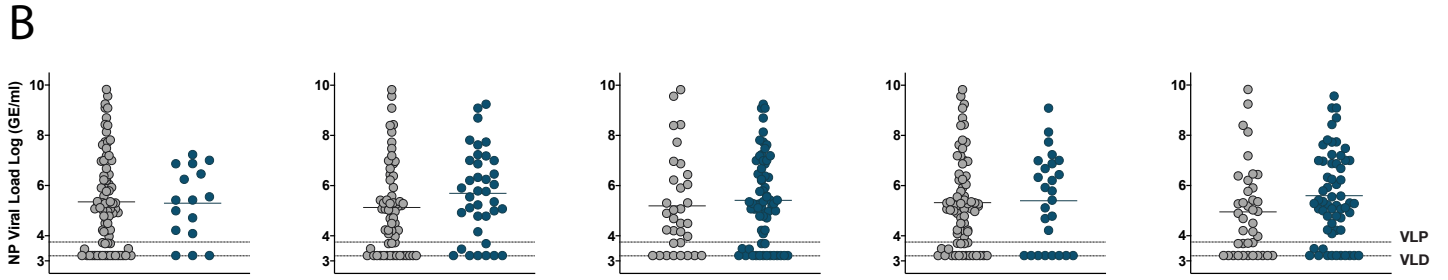
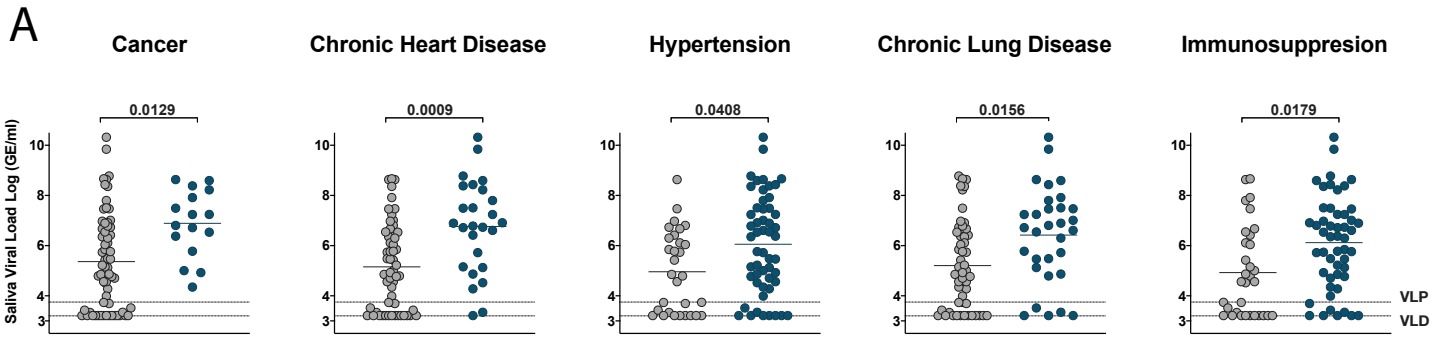


Extended Figure 1

○ Does not have COVID-19 Health Risk Factor
● Has COVID-19 Health Risk Factor

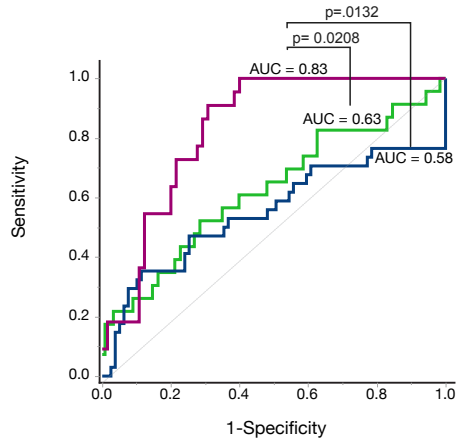


Extended Figure 2:

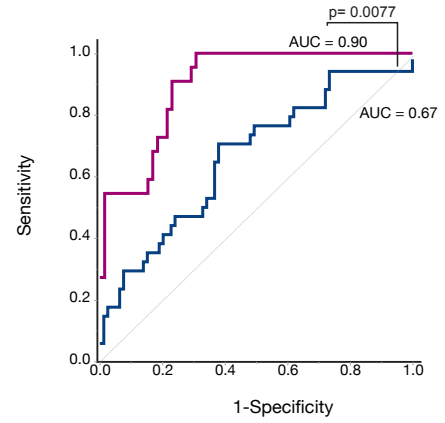
Mortality

— Saliva Viral Load
— NP Viral Load
— Age

A



B

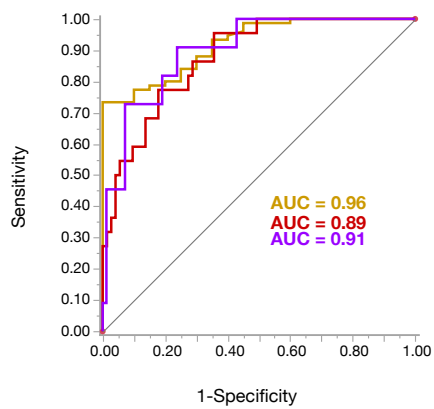


Spectrum of Severity

— Moderate
— Severe
— Fatal

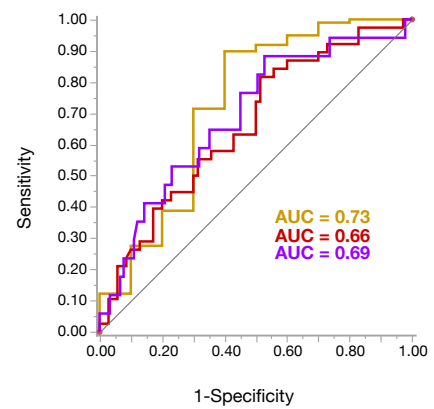
C

Saliva Viral Load



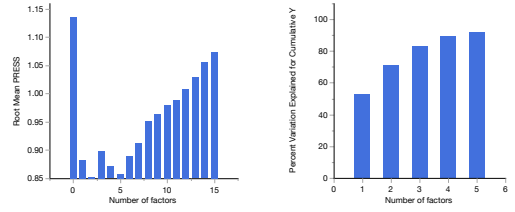
D

NP Viral Load



Extended Figure 3

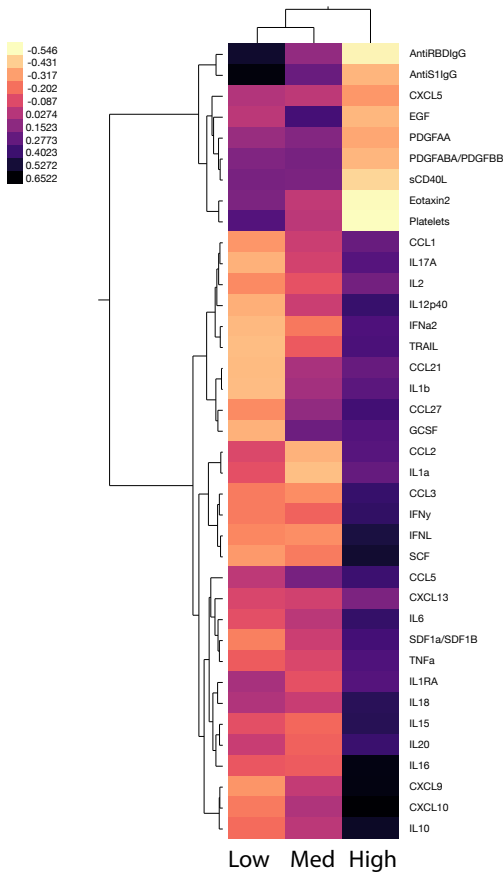
A



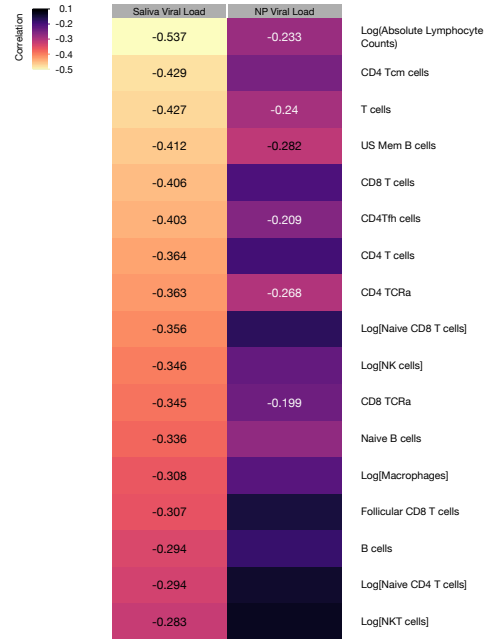
Number of factors	Root Mean PRESS	van der Voet T ²	Prob > van der Voet T ²	Q ²	Cumulative Q ²	R ² X	Cumulative R ² X	R ² Y	Cumulative R ² Y	Method	Number of rows	Percent Variation Explained for Cumulative X	Percent Variation Explained for Cumulative Y	Number of VIP > 0.8
0	1.135	7.698	0.0060*	-0.120	-0.120	0	0	0	0					
1	0.882	0.241	0.645	0.317	0.317	0.169	0.169	0.546	0.546	NIPALS	59	16.59	52.46	39
2	0.853	0.000	1	0.359	0.562	0.091	0.260	0.202	0.748	NIPALS	59	25.64	71.08	50
3	0.898	1.676	0.206	0.292	0.690	0.076	0.336	0.111	0.859	NIPALS	59	32.94	82.86	50
4	0.871	0.131	0.734	0.335	0.794	0.049	0.385	0.055	0.915	NIPALS	59	37.48	89.09	50
5	0.858	0.004	0.94	0.353	0.866	0.044	0.430	0.025	0.940	NIPALS	59	41.62	91.47	50
6	0.890	0.308	0.578	0.304	0.907	0.040	0.470	0.017	0.957					
7	0.913	0.715	0.429	0.268	0.932	0.037	0.508	0.011	0.968					
8	0.951	1.761	0.173	0.204	0.946	0.042	0.550	0.007	0.975					
9	0.963	1.884	0.173	0.183	0.956	0.034	0.584	0.006	0.981					
10	0.980	2.256	0.13	0.154	0.963	0.026	0.610	0.005	0.986					
11	0.989	2.327	0.138	0.138	0.968	0.024	0.634	0.004	0.990					
12	1.008	2.742	0.101	0.105	0.971	0.031	0.665	0.002	0.992					
13	1.029	3.324	0.07	0.067	0.973	0.023	0.688	0.002	0.994					
14	1.055	4.051	0.0350*	0.018	0.974	0.021	0.708	0.001	0.996					
15	1.074	4.605	0.0200*	-0.017	0.973	0.018	0.726	0.001	0.997					

KFold Cross Validation with K=5

B



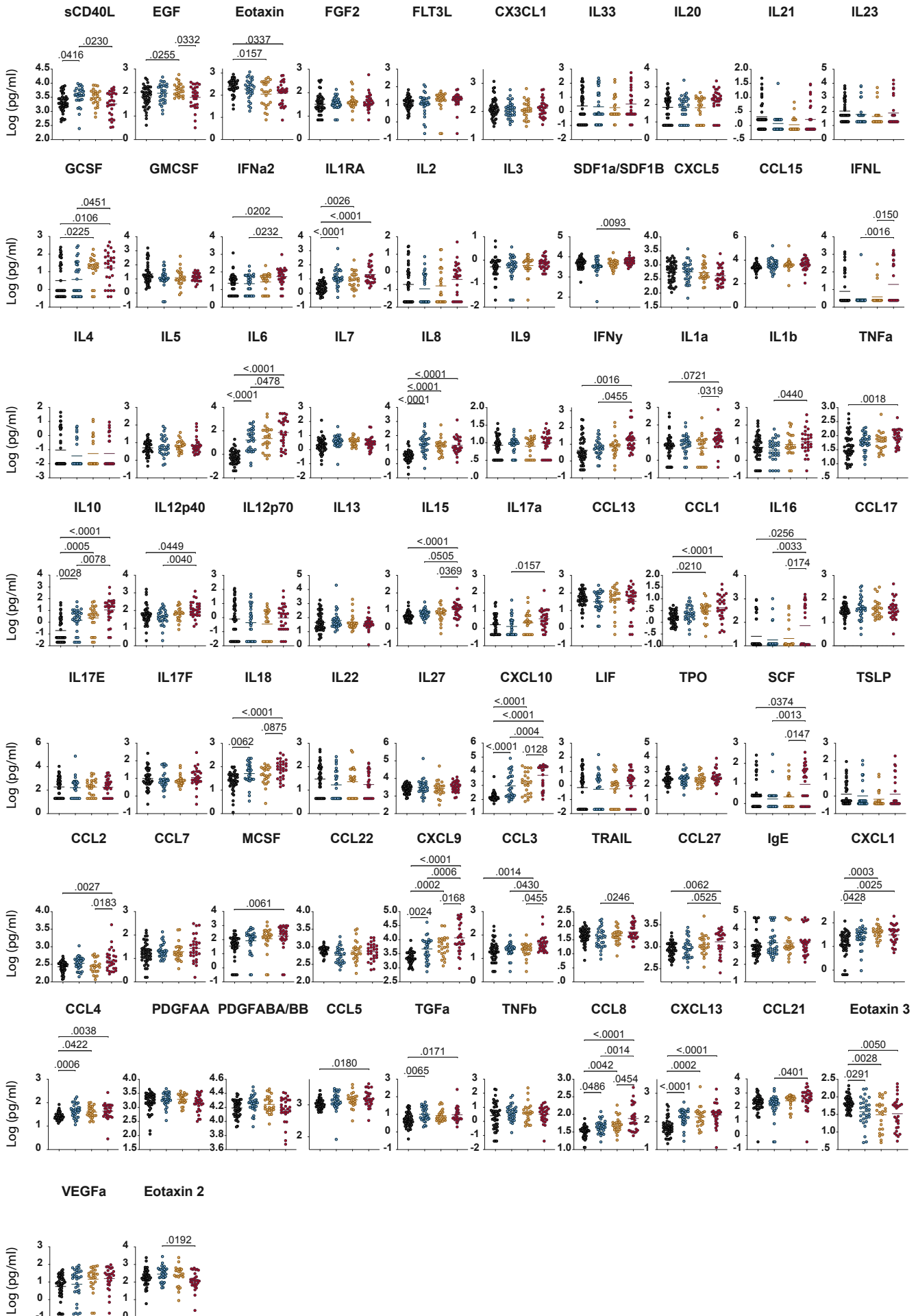
C



Extended Figure 4

- Healthcare Worker
- Low Viral Load
- Med Viral Load
- High Viral Load

Saliva Viral Load

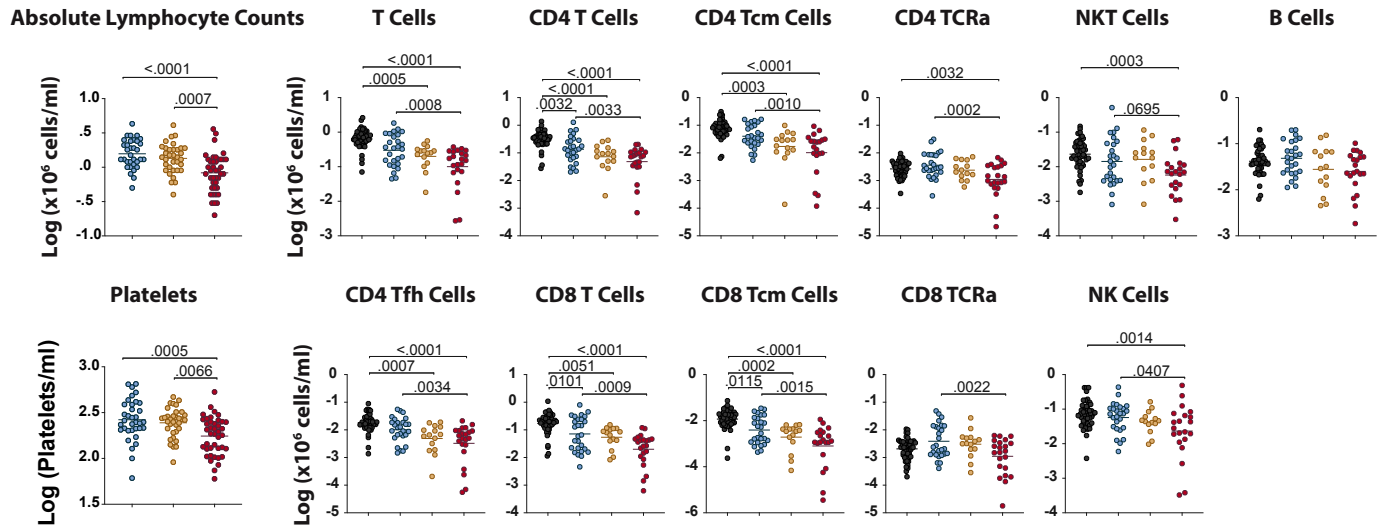


Extended Figure 5

A

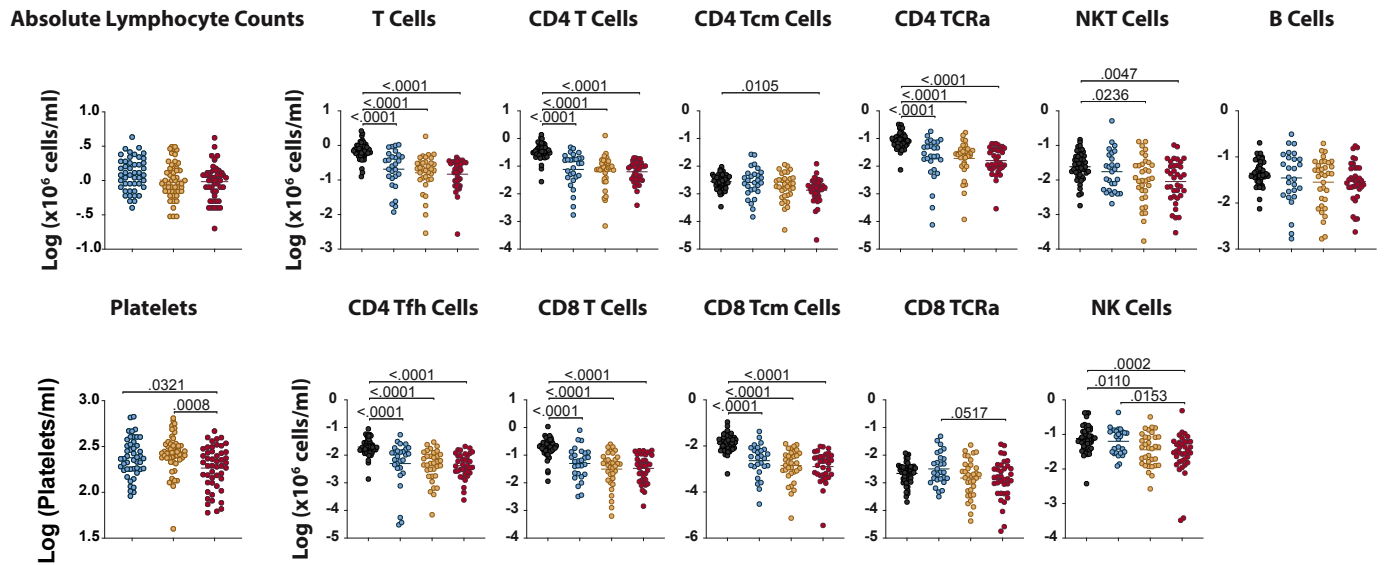
Saliva Viral Load

- Healthcare Worker
- Low Viral Load
- Med Viral Load
- High Viral Load
- Deceased
- Alive



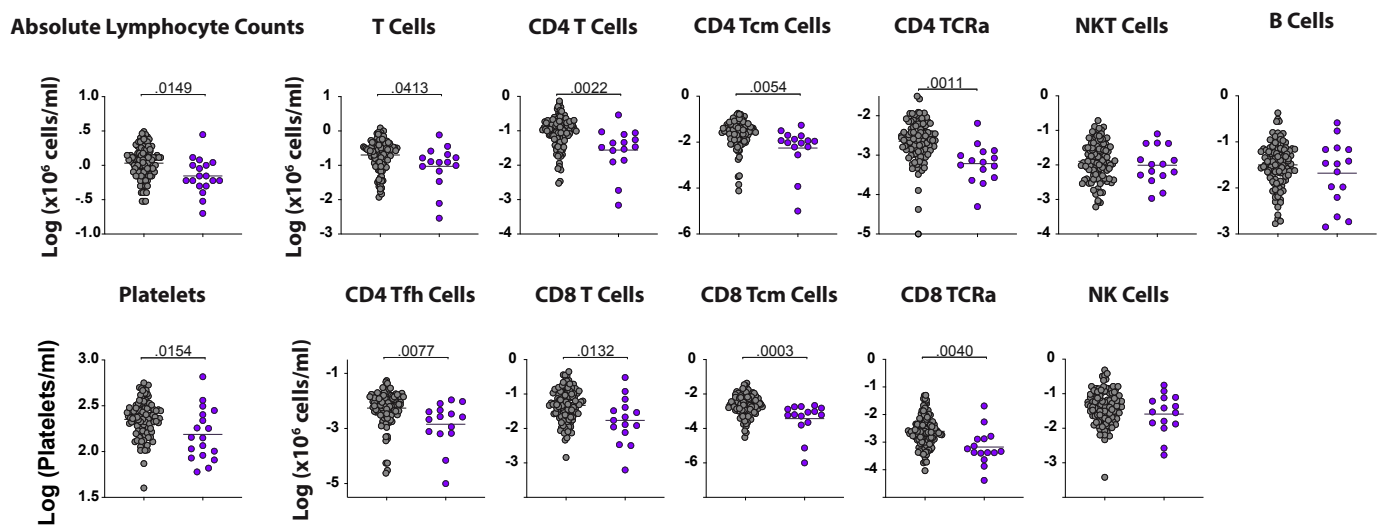
B

NP Viral Load

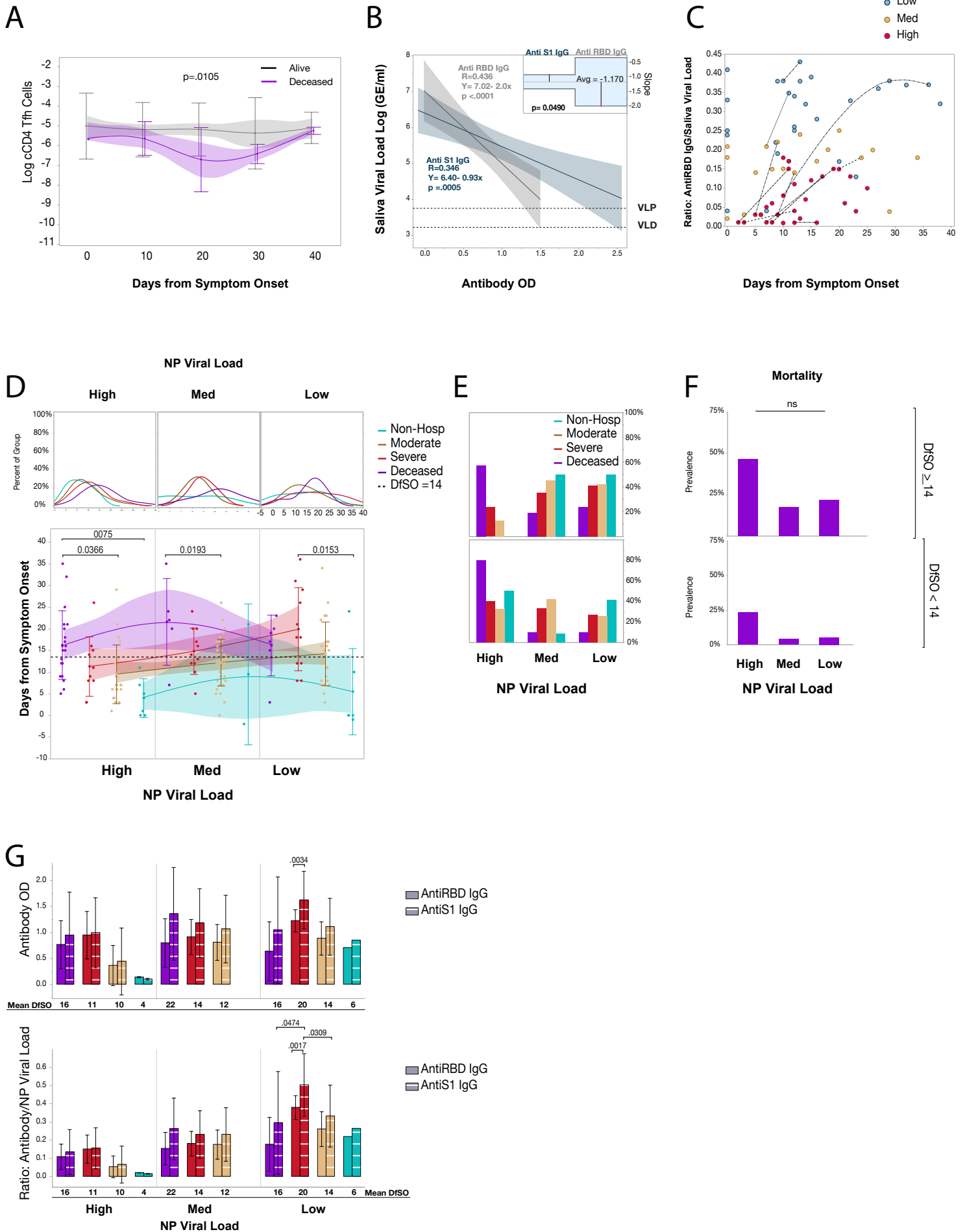


C

Patient Outcome



Extended Figure 6:



Extended Figure 7: Gating Strategies for cell populations

