

Table S6. Performance of polygenic classification scores constructed using nested cross-validated modified supervised principal components, by sample type and comparison group.

Sample type	Comparison	Nested CV AUC	Univariate AUC threshold	Fold-change threshold	No. genes included in classifier
NP	nRSV vs. Ctrl	1	1	16	3
NP	nRSV vs. asRV	0.78	1	2	3
NP	RSV vs. Ctrl	1	1	16	6
NP	nRSV vs. RSV	0.65	0.9	4	1
NP	asRV vs. Ctrl	0.93	1	2	77
NP	RSV+nRSV vs. Ctrl	1	1	16	3
NP	RSV+nRSV vs. asRV	0.81	0.9	2	58
Blood	nRSV vs. Ctrl	0.94	1	2	3
Blood	nRSV vs. asRV	0.71	0.9	2	12
Blood	RSV vs. Ctrl	0.92	1	8	1
Blood	nRSV vs. RSV	0.79	1	2	14
Blood	asRV vs. Ctrl	0.48	1	2	1
Blood	RSV+nRSV vs. Ctrl	0.82	0.85	2	43
Blood	RSV+nRSV vs. asRV	0.8	0.8	2	67