

**Table S5. Parameters for genes used to calculate gene-based classification scores.**

**nRSV vs. Ctrl**

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM sPV	PM Ctrl
Nasal	C10orf107	-0.5771	1.0000	-4.7410	0.0004	7.1010	2.5370	5.7019	9.4382
Nasal	SNTN	-0.5776	1.0000	-4.3690	0.0004	6.2470	2.4720	4.7034	8.5185
Nasal	FAM216B	-0.5773	1.0000	-4.2500	0.0004	7.6000	2.5110	5.8913	9.9020
Blood	IL1RN	0.5789	1.0000	1.2370	0.0004	6.5360	0.9220	6.9725	5.7630
Blood	SIGLEC14	0.5744	1.0000	1.1120	0.0004	7.7520	0.8840	8.1165	7.1601
Blood	MCTP1	0.5788	1.0000	1.1070	0.0004	6.9310	0.7830	7.2344	6.2154

**nRSV vs. asRV**

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon P-value	Mean	SD	PM sPV	PM asPV
Nasal	ST3GAL6	0.5850	1.0000	1.3350	0.0010	5.1240	0.9690	5.4620	4.2087
Nasal	CD163	0.6120	1.0000	1.1910	0.0010	7.8840	0.7840	8.3305	7.1241
Nasal	NEK5	-0.5322	1.0000	-1.0750	0.0010	5.6180	0.7620	5.2444	6.3217
Blood	MS4A4A	0.2978	1.0000	1.2350	0.0010	5.4310	0.9010	5.8486	4.5898
Blood	TCN2	0.3078	0.9780	1.0720	0.0020	6.8020	0.7370	7.1750	6.1781
Blood	FOLR3	0.2222	0.9560	1.4760	0.0040	8.5100	1.0030	9.0494	7.6400
Blood	MCEMP1	0.2889	0.9330	1.2570	0.0070	8.0180	1.2320	8.3448	7.1217
Blood	BST1	0.3171	0.9330	1.1080	0.0070	9.4600	0.9710	9.9189	8.9482
Blood	TMEM167A	0.2965	0.9330	1.0670	0.0070	8.3740	1.0140	8.8599	7.7670
Blood	IFITM3	0.2970	0.9330	1.0630	0.0070	11.2390	0.9160	11.6568	10.6414
Blood	LY86	0.2803	0.9330	1.0260	0.0070	9.2100	0.7450	9.6418	8.4995
Blood	S100A12	0.3009	0.9110	1.6410	0.0120	10.7300	1.3410	11.4969	9.8336
Blood	VNN1	0.3006	0.9110	1.4730	0.0120	7.4100	1.1700	7.9477	6.6813
Blood	MGAM2	0.2507	0.9110	1.2600	0.0120	7.1030	1.1370	7.5166	6.1771
Blood	C3AR1	0.2911	0.9110	1.2600	0.0120	7.9280	0.9120	8.4278	7.0394

**RSV vs. Ctrl**

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM RSV	PM Ctrl
Nasal	FAM216B	-0.4059	1.0000	-4.6310	0.0022	7.8160	2.4910	5.4079	9.9020
Nasal	GSTA2	-0.4062	1.0000	-4.4950	0.0022	6.2110	2.3730	3.8213	8.3739
Nasal	C10orf107	-0.4084	1.0000	-4.4480	0.0022	7.3280	2.5360	5.0361	9.4382
Nasal	SNTN	-0.4078	1.0000	-4.4070	0.0022	6.6350	2.4240	4.6418	8.5185
Nasal	ANKUB1	-0.4096	1.0000	-4.1930	0.0022	6.8340	2.2660	4.6972	8.7630
Nasal	SPAG17	-0.4116	1.0000	-4.1000	0.0022	4.8780	2.2520	2.7872	6.8998
Blood	IFI27	1.0000	1.0000	3.4660	0.0095	7.7060	1.7880	9.8473	6.4400

**nRSV vs. RSV**

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM sPV	PM RSV
Nasal	TRIM31	1.0000	0.9260	2.2840	0.0048	5.6380	1.5870	6.6433	4.2814
Blood	FCER1A	0.2447	1.0000	1.7810	0.0028	6.0940	0.9720	6.6043	4.9113
Blood	ADGRE3	0.2255	1.0000	1.7300	0.0028	8.4280	0.9670	8.9289	7.2625

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM sPV	PM RSV
Blood	DTL	-0.2916	1.0000	-1.5760	0.0028	6.2310	0.8440	5.7156	7.1496
Blood	KIAA0101	-0.2645	1.0000	-1.5360	0.0028	6.4790	1.1010	6.0879	7.5612
Blood	RTN1	0.2566	1.0000	1.4840	0.0028	7.4900	0.7230	7.9219	6.4573
Blood	CCR3	0.2658	1.0000	1.3220	0.0028	4.6680	0.7140	5.0802	3.7836
Blood	NDC80	-0.2822	1.0000	-1.2950	0.0028	4.0980	0.7770	3.7121	5.0164
Blood	CCNA2	-0.2830	1.0000	-1.2320	0.0028	6.8170	0.7580	6.4263	7.5080
Blood	TYMS	-0.2887	1.0000	-1.1850	0.0028	6.5060	0.6610	6.0541	7.2302
Blood	SUV39H2	-0.2815	1.0000	-1.1170	0.0028	5.1030	0.6750	4.7500	5.9530
Blood	CEP41	-0.2710	1.0000	-1.0820	0.0028	3.9690	0.6500	3.6276	4.6639
Blood	HIST1H2BM	-0.2579	1.0000	-1.0460	0.0028	10.9170	0.8490	10.6372	11.8106
Blood	RACGAP1	-0.2583	1.0000	-1.0380	0.0028	6.4340	0.5990	6.1211	7.0893
Blood	SMC4	-0.2622	1.0000	-1.0130	0.0028	7.8470	0.5990	7.5209	8.5822

**asRV vs. Ctrl**

Specimene	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM asPV	PM Ctrl
Nasal	ANKUB1	-0.1171	1.0000	-2.1070	0.0043	7.8760	1.2950	6.7553	8.7630
Nasal	DNAH6	-0.1192	1.0000	-2.0310	0.0043	7.3220	1.1900	6.2635	8.2054
Nasal	DNAH12	-0.1162	1.0000	-2.0310	0.0043	7.8040	1.3490	6.6988	8.6531
Nasal	CFAP47	-0.1179	1.0000	-1.8960	0.0043	5.5670	1.2250	4.6382	6.3767
Nasal	C6orf118	-0.1145	1.0000	-1.8810	0.0043	4.9190	1.2530	3.8663	5.7476
Nasal	LMNTD1	-0.1175	1.0000	-1.8470	0.0043	5.7490	1.2240	4.6848	6.4579
Nasal	AKAP14	-0.1162	1.0000	-1.8380	0.0043	5.1630	1.1180	4.1278	5.8769
Nasal	GSTA2	-0.1068	1.0000	-1.8230	0.0043	7.4710	1.3080	6.6344	8.3739
Nasal	MAATS1	-0.1187	1.0000	-1.8050	0.0043	3.6270	1.2340	2.5376	4.4240
Nasal	IFT88	-0.1149	1.0000	-1.7450	0.0043	4.3280	1.0730	3.5002	5.1413
Nasal	CFAP157	-0.1080	1.0000	-1.7260	0.0043	8.4850	1.0920	7.6419	9.2887
Nasal	DNAH7	-0.1177	1.0000	-1.7010	0.0043	6.4230	1.1820	5.3974	7.0504
Nasal	CDKL1	-0.1193	1.0000	-1.6820	0.0043	7.7930	1.1670	6.8463	8.4583
Nasal	RSPH4A	-0.1177	1.0000	-1.6560	0.0043	8.9110	1.1110	8.0666	9.5583
Nasal	CASC1	-0.1168	1.0000	-1.6550	0.0043	6.4970	1.0530	5.6890	7.1640
Nasal	STK33	-0.1066	1.0000	-1.6160	0.0043	4.4300	1.1550	3.3908	5.2425
Nasal	DNAH10	-0.1176	1.0000	-1.5840	0.0043	6.6030	0.9430	5.8872	7.2034
Nasal	TMEM232	-0.1180	1.0000	-1.5620	0.0043	5.9580	1.1110	4.8932	6.5867
Nasal	PIFO	-0.1165	1.0000	-1.5090	0.0043	8.7800	1.1450	7.8501	9.4022
Nasal	RPGR	-0.1135	1.0000	-1.4920	0.0043	6.0740	0.9670	5.1825	6.6821
Nasal	ALS2CR12	-0.1173	1.0000	-1.4440	0.0043	5.3270	1.0060	4.4532	5.9366
Nasal	LEKR1	-0.1095	1.0000	-1.4170	0.0043	4.7590	0.8400	3.9940	5.3535
Nasal	SPATA6	-0.1192	1.0000	-1.3890	0.0043	7.4150	0.8900	6.6340	7.9468
Nasal	TTLL7	-0.1173	1.0000	-1.3770	0.0043	6.2470	1.0060	5.4964	6.7164
Nasal	WDR49	-0.1169	1.0000	-1.3730	0.0043	7.2220	1.0250	6.4047	7.8078
Nasal	CEP126	-0.1183	1.0000	-1.3620	0.0043	6.0210	0.9960	5.1143	6.5392
Nasal	CCDC146	-0.1165	1.0000	-1.3460	0.0043	7.8720	0.9050	7.0012	8.5423
Nasal	MNS1	-0.1173	1.0000	-1.3450	0.0043	6.4810	1.0370	5.6576	7.1015
Nasal	PDK4	-0.1097	1.0000	-1.3430	0.0043	4.7840	0.8290	4.0220	5.4198
Nasal	CFAP46	-0.1128	1.0000	-1.3370	0.0043	6.5100	0.7870	5.8231	6.9662
Nasal	FAM179B	-0.1167	1.0000	-1.3310	0.0043	7.1390	0.8360	6.4318	7.7345
Nasal	IQCG	-0.1180	1.0000	-1.3260	0.0043	7.1760	0.9720	6.3323	7.6696
Nasal	CCDC60	-0.1195	1.0000	-1.3250	0.0043	6.3100	0.8390	5.5354	6.8545
Nasal	DLEC1	-0.1151	1.0000	-1.3110	0.0043	7.2390	0.7880	6.5461	7.8221
Nasal	CD24	-0.1112	1.0000	-1.3050	0.0043	8.6830	0.9100	7.8959	9.2018
Nasal	C5orf42	-0.1152	1.0000	-1.3020	0.0043	7.5730	0.8230	6.8787	8.1806
Nasal	C9orf116	-0.1163	1.0000	-1.3010	0.0043	9.2250	0.9220	8.4424	9.7504
Nasal	GSTA1	-0.1042	1.0000	-1.2950	0.0043	7.9390	1.1480	7.4035	8.7348

Specimene	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM asPV	PM Ctrl
Nasal	IL5RA	-0.1148	1.0000	-1.2930	0.0043	8.3660	0.8290	7.6686	8.9888
Nasal	WDR35	-0.1197	1.0000	-1.2860	0.0043	5.7840	0.9750	5.0422	6.3690
Nasal	CCDC17	-0.1177	1.0000	-1.2840	0.0043	8.5560	0.8460	7.8486	9.0326
Nasal	FAM47E	-0.1155	1.0000	-1.2750	0.0043	3.8650	0.8720	3.1257	4.3456
Nasal	CFAP126	-0.1121	1.0000	-1.2630	0.0043	5.8520	0.7590	5.1618	6.3971
Nasal	STIL	-0.0925	1.0000	-1.2580	0.0043	5.1500	0.7990	4.4534	5.6566
Nasal	DRC1	-0.1102	1.0000	-1.2560	0.0043	5.7060	1.0100	5.0693	6.3305
Nasal	ARMC4	-0.1106	1.0000	-1.2420	0.0043	5.1520	0.9040	4.5816	5.7399
Nasal	SEC14L3	-0.1126	1.0000	-1.2300	0.0043	4.8480	0.9300	4.0049	5.5855
Nasal	RFX3	-0.1178	1.0000	-1.2260	0.0043	6.7380	0.9030	5.9361	7.3682
Nasal	EFCAB6	-0.1171	1.0000	-1.2240	0.0043	6.5230	0.7520	5.9166	6.9925
Nasal	KLHL6	-0.1157	1.0000	-1.2170	0.0043	6.7350	0.7670	6.0634	7.2527
Nasal	PCNXL4	-0.1160	1.0000	-1.2080	0.0043	6.5490	0.7640	5.9029	6.9699
Nasal	TSPAN6	-0.1101	1.0000	-1.2080	0.0043	9.4370	0.8380	8.8325	10.0402
Nasal	C7orf57	-0.1170	1.0000	-1.2060	0.0043	5.2950	0.8290	4.6525	5.7123
Nasal	FAXDC2	-0.1095	1.0000	-1.2000	0.0043	5.7470	0.7900	5.0513	6.3471
Nasal	C20orf96	-0.1117	1.0000	-1.1870	0.0043	6.0660	0.7620	5.4137	6.5999
Nasal	CFAP69	-0.1137	1.0000	-1.1870	0.0043	4.9940	0.9860	4.3499	5.5482
Nasal	TBC1D8	-0.1130	1.0000	-1.1830	0.0043	7.7240	0.8570	7.0564	8.1643
Nasal	KIAA1257	-0.1176	1.0000	-1.1580	0.0043	6.0920	0.9170	5.4217	6.6265
Nasal	SNCAIP	-0.1093	1.0000	-1.1560	0.0043	4.5830	0.7070	3.9747	5.0814
Nasal	TMEM138	-0.1166	1.0000	-1.1480	0.0043	7.5320	0.7640	6.8732	8.0548
Nasal	GFM2	-0.1154	1.0000	-1.1460	0.0043	7.4840	0.7880	6.8559	7.9420
Nasal	STX2	-0.1160	1.0000	-1.1460	0.0043	6.3480	0.6920	5.6582	6.8464
Nasal	SPEF2	-0.1176	1.0000	-1.1370	0.0043	6.4590	1.0310	5.6548	6.9137
Nasal	C4orf47	-0.1127	1.0000	-1.1310	0.0043	5.8210	0.8040	5.0960	6.2713
Nasal	CCDC190	-0.1170	1.0000	-1.1150	0.0043	8.3290	0.9000	7.6782	8.8109
Nasal	CCDC180	-0.1180	1.0000	-1.1140	0.0043	6.8640	0.7610	6.2142	7.3416
Nasal	GBP6	-0.0983	1.0000	-1.1140	0.0043	5.2970	0.6490	4.7096	5.7963
Nasal	C6orf183	-0.1049	1.0000	-1.1010	0.0043	4.7770	0.7840	4.1756	5.2159
Nasal	PREPL	-0.1087	1.0000	-1.0800	0.0043	5.9540	0.6590	5.3680	6.4008
Nasal	ANKRD42	-0.1146	1.0000	-1.0730	0.0043	4.8420	0.7440	4.2306	5.2422
Nasal	PIBF1	-0.1101	1.0000	-1.0700	0.0043	5.7730	0.7260	5.1912	6.1480
Nasal	BCO2	-0.1124	1.0000	-1.0640	0.0043	4.1810	0.8430	3.5128	4.5503
Nasal	CALML4	-0.1154	1.0000	-1.0550	0.0043	8.7160	0.7340	8.1334	9.0611
Nasal	LCLAT1	-0.0998	1.0000	-1.0280	0.0043	6.7640	0.6130	6.2255	7.1609
Nasal	C2orf27A	-0.1072	1.0000	-1.0190	0.0043	5.6240	0.8120	4.9615	6.0496
Nasal	DUSP14	-0.1126	1.0000	-1.0090	0.0043	6.4380	0.6200	5.8573	6.9231
Nasal	SMYD2	-0.1137	1.0000	-1.0040	0.0043	6.3350	0.7890	5.7457	6.6656
Blood	SCARNA9L	1.0000	1.0000	1.1540	0.0043	3.7270	0.7150	4.3952	3.1861

**RSV+nRSV vs. Ctrl**

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM RSV+sPV	PM Ctrl
Nasal	C10orf107	-0.5798	1.0000	-4.6150	0.0005	6.5380	2.4280	5.2738	9.4382
Nasal	SNTN	-0.5777	1.0000	-4.3690	0.0005	5.7740	2.3420	4.6446	8.5185
Nasal	FAM216B	-0.5746	1.0000	-4.3330	0.0005	7.0310	2.3750	5.6980	9.9020
Blood	SIGLEC14	0.1658	1.0000	1.0450	0.0001	7.8430	0.8300	8.1277	7.1601
Blood	IL1RN	0.1727	0.9620	1.2660	0.0005	6.6410	0.9140	7.0260	5.7630
Blood	S100A9	0.1654	0.9620	1.1960	0.0005	10.2100	0.8160	10.5522	9.3809
Blood	MGAM2	0.1537	0.9490	1.2850	0.0009	6.9180	1.1130	7.3117	5.9340
Blood	PLBD1	0.1605	0.9360	1.3690	0.0014	8.4140	0.8480	8.8272	7.5736
Blood	MILR1	0.1545	0.9360	1.1100	0.0014	7.6760	0.6670	8.0013	6.9471
Blood	ADM	0.1693	0.9360	1.0390	0.0014	7.1880	0.9680	7.4675	6.2597

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM RSV+sPV	PM Ctrl
Blood	SLC26A8	0.1638	0.9230	1.4230	0.0022	4.5300	1.2120	4.7257	3.5132
Blood	TNFAIP6	0.1558	0.9230	1.2690	0.0022	7.7280	1.1080	8.0625	6.8682
Blood	IFI27	0.0953	0.9230	1.2600	0.0022	7.5190	1.3540	7.8308	6.4400
Blood	IFITM3	0.1609	0.9230	1.1680	0.0022	11.4030	0.8480	11.8027	10.5699
Blood	TNFSF13B	0.1759	0.9230	1.1300	0.0022	8.8340	0.8710	9.1803	8.0977
Blood	C3AR1	0.1216	0.9230	1.0750	0.0022	8.0930	0.7610	8.4278	7.3513
Blood	ALPL	0.1585	0.9100	1.5690	0.0032	8.9240	1.2280	9.3710	7.7962
Blood	MCEMP1	0.1630	0.9100	1.4110	0.0032	8.0310	1.3280	8.4945	6.8818
Blood	TCN2	0.1475	0.9100	1.1550	0.0032	6.8920	0.8460	7.2515	6.0877
Blood	MB21D1	0.1659	0.9100	1.1320	0.0032	6.0720	0.8200	6.4438	5.2292
Blood	TLR8	0.1610	0.9100	1.1130	0.0032	8.0240	0.8000	8.4016	7.2058
Blood	BST1	0.1615	0.9100	1.0690	0.0032	9.5550	0.7030	9.8542	8.8799
Blood	FCGR1A	0.1665	0.8970	1.5500	0.0047	7.4810	1.2380	7.9676	6.3984
Blood	S100A12	0.1463	0.8970	1.4230	0.0047	10.7670	1.0570	11.2749	9.8346
Blood	FFAR2	0.1711	0.8970	1.2190	0.0047	8.4020	1.0270	8.7696	7.4407
Blood	RNASE2	0.1045	0.8970	1.1540	0.0047	8.6450	0.8080	9.0098	7.8427
Blood	ACER3	0.1467	0.8970	1.0710	0.0047	5.5480	0.8090	5.8979	4.8352
Blood	PRRG4	0.1284	0.8970	1.0250	0.0047	7.7310	0.7550	7.9914	7.1177
Blood	IFI6	0.1499	0.8850	1.5030	0.0066	8.8310	1.2150	9.3202	7.7989
Blood	DSC2	0.1259	0.8850	1.2330	0.0066	6.2600	1.1120	6.6816	5.2878
Blood	AIM2	0.1605	0.8850	1.2110	0.0066	7.0340	1.1110	7.4436	6.1391
Blood	ANXA3	0.1606	0.8850	1.2000	0.0066	6.5730	1.1950	6.8826	5.6714
Blood	DYSF	0.1661	0.8850	1.0840	0.0066	8.4050	0.9810	8.7407	7.6223
Blood	IFI44L	0.1435	0.8720	2.5250	0.0092	7.1260	1.9500	7.9955	5.4310
Blood	MX1	0.1479	0.8720	1.6840	0.0092	9.3710	1.2400	9.9044	8.3728
Blood	VNN1	0.1265	0.8720	1.5040	0.0092	7.2660	1.2470	7.7483	6.1836
Blood	MS4A4A	0.1661	0.8720	1.3020	0.0092	5.5780	0.9770	6.0132	4.6806
Blood	KCNJ2	0.1622	0.8720	1.2630	0.0092	7.0190	0.9440	7.3897	6.0506
Blood	FCGR1B	0.1605	0.8720	1.2350	0.0092	7.6090	1.1930	8.0172	6.5234
Blood	DDX60L	0.1629	0.8720	1.2250	0.0092	8.1510	0.9910	8.5602	7.3577
Blood	CD300E	0.1476	0.8720	1.0280	0.0092	8.3860	0.7730	8.7409	7.7125
Blood	BCL2A1	0.1698	0.8720	1.0060	0.0092	9.5770	0.8610	9.9149	8.9210
Blood	IFIT3	0.1559	0.8590	1.5710	0.0125	9.5170	1.4160	10.0205	8.4119
Blood	EPST11	0.1313	0.8590	1.4240	0.0125	7.7100	1.1170	8.2007	6.7570
Blood	FOLR3	0.0774	0.8590	1.2110	0.0125	8.4650	0.9710	8.8406	7.4311
Blood	NMI	0.1449	0.8590	1.0040	0.0125	7.4720	0.7640	7.7892	6.8581

**RSV+nRSV vs. asRV**

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM RSV+sPV	PM asPV
Nasal	CD163	0.1215	1.0000	1.4330	0.0012	8.1540	0.8780	8.4674	7.1241
Nasal	HERC5	0.1285	0.9870	1.8280	0.0017	5.1970	1.1950	5.6517	3.9580
Nasal	MX2	0.1280	0.9870	1.3170	0.0017	7.4340	0.8400	7.7574	6.5101
Nasal	ISG15	0.1089	0.9730	2.0090	0.0023	9.0100	1.2210	9.4917	7.5417
Nasal	RSAD2	0.1295	0.9730	1.5100	0.0023	6.8600	1.2430	7.3182	5.5145
Nasal	CD68	0.1286	0.9730	1.0570	0.0023	6.7690	0.6660	6.9923	5.9512
Nasal	LRRC74B	-0.1378	0.9600	-1.9400	0.0030	6.0910	1.2240	5.6530	7.5173
Nasal	IFIT3	0.1262	0.9600	1.7200	0.0030	9.7030	1.1290	10.1127	8.4454
Nasal	IFITM1	0.1256	0.9600	1.3820	0.0030	10.6990	0.7360	11.0670	9.6769
Nasal	ST3GAL6	0.1342	0.9600	1.2570	0.0030	5.1830	0.9160	5.4408	4.2087
Nasal	OASL	0.1100	0.9600	1.2500	0.0030	7.3010	0.9890	7.5900	6.2889
Nasal	DDX58	0.1196	0.9600	1.1800	0.0030	6.4110	0.8420	6.7278	5.4799
Nasal	NEK5	-0.1183	0.9600	-1.0400	0.0030	5.5250	0.6970	5.2434	6.3217
Nasal	IFIT1	0.1013	0.9470	2.3010	0.0040	6.9690	1.7660	7.5723	5.0402

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM RSV+sPV	PM asPV
Nasal	CCL3L3	0.1288	0.9470	1.7450	0.0040	5.7840	1.4800	6.0797	4.3760
Nasal	CARD16	0.1433	0.9470	1.2580	0.0040	9.2140	1.1280	9.4318	8.1227
Nasal	LRP2BP	-0.1028	0.9470	-1.1560	0.0040	2.3400	0.7200	2.0063	3.2787
Nasal	DYNC2L11	-0.1148	0.9470	-1.1500	0.0040	4.7710	0.8780	4.4701	5.5816
Nasal	DTHD1	-0.1451	0.9330	-1.5970	0.0052	4.7940	1.1200	4.3955	5.9136
Nasal	VWA3B	-0.1373	0.9330	-1.5170	0.0052	4.7830	1.0220	4.4229	5.7384
Nasal	FABP6	-0.1429	0.9330	-1.5160	0.0052	6.2130	1.0150	5.8050	7.4868
Nasal	FCER1G	0.1400	0.9330	1.4690	0.0052	9.8900	1.2960	10.1492	8.6874
Nasal	MORN5	-0.1374	0.9330	-1.4170	0.0052	5.2590	0.9090	4.9349	6.2758
Nasal	CES4A	-0.1237	0.9330	-1.3130	0.0052	6.0580	1.1160	5.7797	7.2488
Nasal	IFITM3	0.1214	0.9330	1.2240	0.0052	10.6760	0.7460	11.0584	9.8306
Nasal	IL1RN	0.1343	0.9330	1.1150	0.0052	7.9110	0.9810	8.0820	6.9186
Nasal	LRRIQ1	-0.1431	0.9200	-2.0790	0.0068	5.0670	1.5030	4.5120	6.5462
Nasal	IFIT2	0.1272	0.9200	1.8630	0.0068	7.8720	1.4000	8.3604	6.4711
Nasal	DDX60L	0.1420	0.9200	1.7070	0.0068	6.9030	1.2330	7.3280	5.5876
Nasal	FANK1	-0.1483	0.9200	-1.4490	0.0068	6.3690	1.0320	5.9746	7.4700
Nasal	DSC2	0.1278	0.9200	1.4150	0.0068	5.5670	1.1130	5.8442	4.4950
Nasal	CD164L2	-0.1399	0.9200	-1.2630	0.0068	6.2480	0.8750	5.9466	7.2005
Nasal	DNAH11	-0.1409	0.9200	-1.2280	0.0068	5.7360	0.9490	5.5016	6.6566
Nasal	TSPAN19	-0.1295	0.9200	-1.1450	0.0068	3.5100	0.8880	3.1476	4.4443
Nasal	EMP3	0.1331	0.9200	1.1110	0.0068	8.6000	0.8250	8.8100	7.7511
Nasal	DNAH10	-0.1269	0.9200	-1.0680	0.0068	4.9300	0.7900	4.6504	5.8872
Nasal	PSTPIP2	0.1236	0.9200	1.0280	0.0068	4.8130	1.0730	5.0099	3.8735
Nasal	SERPINB9	0.1306	0.9200	1.0100	0.0068	6.8070	0.9530	7.1065	6.1106
Nasal	NEK10	-0.1490	0.9070	-2.1000	0.0088	5.0870	1.3690	4.6355	6.5083
Nasal	SPAG17	-0.1443	0.9070	-2.0120	0.0088	3.6750	1.3710	3.1146	5.3137
Nasal	C3AR1	0.1236	0.9070	1.9130	0.0088	6.2400	1.6290	6.6319	4.7398
Nasal	EFHB	-0.1406	0.9070	-1.7950	0.0088	5.2270	1.2650	4.7334	6.4648
Nasal	CFAP206	-0.1412	0.9070	-1.7240	0.0088	4.4220	1.1210	3.9797	5.5815
Nasal	EFHC1	-0.1475	0.9070	-1.6260	0.0088	5.2760	1.1580	4.8113	6.5278
Nasal	TEX26	-0.1397	0.9070	-1.6070	0.0088	3.4870	1.1080	3.0957	4.6660
Nasal	RSPH10B2	-0.1378	0.9070	-1.5880	0.0088	6.0590	1.1580	5.6093	7.2315
Nasal	DNAI1	-0.1430	0.9070	-1.5400	0.0088	7.3430	1.0710	6.9585	8.4726
Nasal	RGS1	0.1026	0.9070	1.4940	0.0088	4.6280	1.1290	4.9690	3.4897
Nasal	SPA17	-0.1393	0.9070	-1.4020	0.0088	6.1110	0.9720	5.6642	7.0910
Nasal	LRRC23	-0.1418	0.9070	-1.3730	0.0088	6.9210	1.1180	6.5277	8.0074
Nasal	IFIH1	0.1249	0.9070	1.3700	0.0088	6.2910	0.9650	6.6816	5.2676
Nasal	DNAAF1	-0.1448	0.9070	-1.2120	0.0088	6.1100	0.8750	5.7603	6.9783
Nasal	P2RY14	0.1276	0.9070	1.1910	0.0088	5.6670	1.1390	5.9605	4.6647
Nasal	CCRL2	0.1278	0.9070	1.1850	0.0088	7.8730	1.3890	8.0430	6.4391
Nasal	CARD17	0.1301	0.9070	1.0900	0.0088	3.6070	1.0830	3.8148	2.7379
Nasal	IER5	0.1296	0.9070	1.0570	0.0088	5.1020	0.8790	5.3168	4.2248
Nasal	NFKBIA	0.1283	0.9070	1.0560	0.0088	8.0230	1.2060	8.1608	6.9815
Nasal	IFT81	-0.1205	0.9070	-1.0120	0.0088	4.1840	0.7320	3.9480	4.9828
Blood	TLR7	0.1515	1.0000	1.0770	0.0002	7.1230	0.8010	7.3261	6.2630
Blood	MS4A4A	0.1304	0.9690	1.3420	0.0009	5.5900	0.9830	6.0132	4.5898
Blood	TMEM167A	0.1227	0.9540	1.0350	0.0016	8.4450	0.9040	8.8077	7.7670
Blood	IFITM3	0.1384	0.9380	1.2800	0.0028	11.4150	0.9270	11.8027	10.6414
Blood	IL1RL1	-0.0976	0.9380	-1.1890	0.0028	5.3340	0.8420	4.9810	6.0870
Blood	TCN2	0.1326	0.9380	1.1450	0.0028	6.9410	0.8050	7.2515	6.1781
Blood	TNFSF10	0.1330	0.9380	1.1330	0.0028	9.5920	0.8980	9.9599	9.0070
Blood	KIF20A	0.1054	0.9380	1.0130	0.0028	4.9920	0.6720	5.2638	4.3490
Blood	IGLV3-19	0.1195	0.9230	1.5720	0.0044	8.4860	1.0350	9.0104	7.3560
Blood	IGLV2-14	0.1265	0.9230	1.2440	0.0044	10.7490	0.8800	11.1917	9.8029
Blood	IGLV2-11	0.1178	0.9230	1.2310	0.0044	9.2230	0.9050	9.6204	8.3741
Blood	LY6E	0.1522	0.9080	1.2950	0.0068	9.8370	0.9970	10.1548	8.8880
Blood	FOLR3	0.0549	0.9080	1.2270	0.0068	8.4680	0.9130	8.8406	7.6400

Specimen	Gene	Signed loading #	Univariate AUC	Hodges-Lehmann estimate of log2(fold-change)	2-sided Wilcoxon p-value	Mean	SD	PM RSV+sPV	PM asPV
Blood	CAPG	0.1255	0.9080	1.0770	0.0068	8.4960	0.7380	8.8557	7.7972
Blood	ISG15	0.1404	0.8920	1.3980	0.0098	8.8720	1.3270	9.3211	7.7049
Blood	MCEMP1	0.1129	0.8920	1.2880	0.0098	8.1440	1.3060	8.4945	7.1217
Blood	BST1	0.1136	0.8920	1.1080	0.0098	9.5170	0.9100	9.8542	8.9482
Blood	IGLV2-18	0.1108	0.8920	1.0970	0.0098	8.9870	0.8570	9.3435	8.2356
Blood	IGHV3-53	0.1308	0.8920	1.0820	0.0098	8.4400	0.7040	8.7923	7.7897
Blood	CARD17	0.1180	0.8920	1.0390	0.0098	5.0660	1.1930	5.2376	4.1618
Blood	SERPING1	0.1356	0.8770	2.1690	0.0140	5.5430	1.8120	6.0957	3.9131
Blood	USP41	0.1444	0.8770	1.7450	0.0140	7.3970	1.7140	7.8144	5.9732
Blood	IGHV3-66	0.1376	0.8770	1.6110	0.0140	8.0340	1.1600	8.4419	7.0321
Blood	IFI6	0.1441	0.8770	1.5500	0.0140	8.8750	1.2150	9.3202	7.8015
Blood	IL5RA	-0.1130	0.8770	-1.4760	0.0140	7.6290	1.1690	7.1972	8.4735
Blood	HIST1H3B	0.1234	0.8770	1.3900	0.0140	5.9440	1.0710	6.4097	5.0199
Blood	C3AR1	0.1224	0.8770	1.3850	0.0140	8.0490	0.9220	8.4278	7.0394
Blood	S100A12	0.0984	0.8770	1.3730	0.0140	10.7750	1.2620	11.2749	9.8336
Blood	SPATS2L	0.1461	0.8770	1.2750	0.0140	7.1290	1.3870	7.4412	5.9573
Blood	TNFAIP6	0.1085	0.8770	1.2650	0.0140	7.7720	1.1230	8.0625	6.8808
Blood	RSAD2	0.1324	0.8770	1.1370	0.0140	7.1670	1.1410	7.5336	6.2406
Blood	VNN1	0.0628	0.8770	1.0520	0.0140	7.3650	1.2200	7.7483	6.6813
Blood	CHI3L1	-0.0803	0.8620	-1.5000	0.0194	6.8880	1.2390	6.4054	7.7494
Blood	IGLL5	0.1253	0.8620	1.3970	0.0194	10.4200	0.9080	10.8531	9.5418
Blood	OAS1	0.1475	0.8620	1.2330	0.0194	10.3190	1.0710	10.7586	9.4734
Blood	IGHV4-59	0.1227	0.8620	1.1030	0.0194	5.5310	0.7830	5.8878	4.7429
Blood	IGLV1-40	0.0924	0.8620	1.0510	0.0194	7.8280	0.9790	8.0333	7.0370
Blood	LACTB2	0.1150	0.8620	1.0450	0.0194	5.5100	0.8120	5.8674	4.8221
Blood	ITGB8	-0.0896	0.8620	-1.0170	0.0194	2.9410	0.6540	2.7164	3.6057
Blood	BCL2A1	0.1163	0.8620	1.0000	0.0194	9.5920	0.9510	9.9149	9.0508
Blood	KIAA0101	0.1197	0.8460	1.4920	0.0264	6.0770	1.2380	6.5542	5.0861
Blood	HIST1H2BM	0.1303	0.8460	1.3940	0.0264	10.5000	1.2050	11.0264	9.3114
Blood	RALA	0.1232	0.8460	1.1650	0.0264	6.2570	0.7760	6.5412	5.5124
Blood	JCHAIN	0.1224	0.8460	1.1370	0.0264	10.8170	1.0770	11.2825	9.9332
Blood	OAS2	0.1453	0.8460	1.0690	0.0264	8.7430	1.0300	9.0646	7.9290
Blood	MS4A2	-0.0499	0.8460	-1.0480	0.0264	4.6230	0.7210	4.3718	5.3192
Blood	IFIT1	0.1292	0.8310	1.8450	0.0350	7.5890	1.6650	8.2249	6.2547
Blood	IFIT3	0.1272	0.8310	1.6840	0.0350	9.5980	1.3990	10.0205	8.5138
Blood	ANKRD22	0.1260	0.8310	1.4870	0.0350	6.2890	1.2710	6.7449	5.3500
Blood	EPST11	0.1224	0.8310	1.2190	0.0350	7.8210	1.0690	8.2007	6.9802
Blood	AIM2	0.1182	0.8310	1.1420	0.0350	7.1040	1.0910	7.4436	6.2102
Blood	IGKV1D-39	0.1267	0.8310	1.0680	0.0350	8.3380	0.9450	8.6484	7.4972
Blood	E2F8	0.1312	0.8310	1.0590	0.0350	4.0960	0.8680	4.3529	3.2818
Blood	USP18	0.1369	0.8150	1.5080	0.0460	6.8980	1.5140	7.2980	5.7635
Blood	IGHV3-72	0.1200	0.8150	1.2980	0.0460	7.2780	1.2050	7.7293	6.3094
Blood	IGHV3-73	0.1173	0.8150	1.1070	0.0460	6.4110	0.9300	6.7872	5.5361
Blood	IGHV3-48	0.1223	0.8150	1.0660	0.0460	6.2840	0.8880	6.6639	5.6755
Blood	IGLV1-47	0.1100	0.8150	1.0550	0.0460	7.7780	0.9020	8.0802	6.9538
Blood	IGLC3	0.1183	0.8150	1.0040	0.0460	11.1840	0.8130	11.4948	10.4998
Blood	CCR3	-0.0994	0.8150	-1.0020	0.0460	4.9910	0.9330	4.6742	5.8186
Blood	HERC5	0.1296	0.8000	1.5790	0.0593	7.0640	1.5040	7.6505	5.9005
Blood	IGHV4-39	0.1342	0.8000	1.3130	0.0593	10.9720	0.8700	11.3392	10.2141
Blood	CMPK2	0.1303	0.8000	1.3060	0.0593	7.0530	1.2250	7.4370	6.1088
Blood	IGHV4-28	0.1302	0.8000	1.2940	0.0593	8.1530	0.8370	8.4429	7.3178
Blood	MX1	0.1270	0.8000	1.2230	0.0593	9.5310	1.0780	9.9044	8.7518
Blood	GMNN	0.1282	0.8000	1.2220	0.0593	5.0840	0.9140	5.3637	4.2993
Blood	CCNB2	0.1074	0.8000	1.0060	0.0593	5.5280	0.9850	5.8375	4.8073

Note: PM, pseudomedian