

Appendix 2, Table 1: Summary statistics for cell proportions (in percentages) for the 94 subjects from GSE28042 (Dataset 1)

	mean	minimum	maximum	standard deviation
Macrophages.M1	0.02	0.00	0.27	0.05
Dendritic.cells.resting	0.02	0.00	0.44	0.08
Neutrophils	0.06	0.00	1.56	0.22
Eosinophils	0.06	0.00	1.03	0.20
Mast.cells.activated	0.06	0.00	3.83	0.43
Dendritic.cells.activated	0.09	0.00	1.07	0.21
Macrophages.M2	0.14	0.00	1.94	0.31
T.cells.follicular.helper	0.24	0.00	3.11	0.48
Plasma.cells	0.29	0.00	11.00	1.16
T.cells.gamma.delta	0.38	0.00	9.53	1.36
NK.cells.activated	0.58	0.00	5.95	1.24
Macrophages.M0	0.70	0.00	2.83	0.68
B.cells.memory	0.80	0.00	8.18	1.51
T.cells.regulatory..Tregs.	0.98	0.00	3.14	0.90
B.cells.naive	1.74	0.00	10.52	2.18
Mast.cells.resting	1.96	0.00	5.65	1.20
T.cells.CD4.memory.resting	2.56	0.00	21.61	4.45
T.cells.CD4.naive	2.83	0.00	19.94	4.04
T.cells.CD4.memory.activated	4.81	0.30	11.41	2.82
NK.cells.resting	8.59	0.00	18.86	4.27
T.cells.CD8	21.16	1.71	51.31	11.00
Monocytes	51.93	26.58	77.14	11.19

Appendix 2, Table 2: Summary statistics for cell proportions (in percentages) for the 45 subjects from GSE27957 (Dataset 2)

	mean	minimum	maximum	standard deviation
T.cells.follicular.helper	0	0	0	0
Macrophages.M1	0	0	0	0
Dendritic.cells.resting	0	0	0	0
T.cells.gamma.delta	0	0	0.13	0.02
NK.cells.activated	0.01	0	0.39	0.06
Mast.cells.activated	0.01	0	0.46	0.07
Dendritic.cells.activated	0.26	0	1.12	0.32
Eosinophils	0.37	0	5.52	0.98
Macrophages.M0	0.64	0	6.22	1.06
T.cells.regulatory..Tregs.	0.67	0	3.73	1.12
Plasma.cells	0.74	0	1.7	0.56
Mast.cells.resting	1.1	0	4.1	1.13
Macrophages.M2	1.49	0	3.89	1.16
B.cells.memory	2.05	0	15.46	2.59
T.cells.CD4.memory.activated	2.06	0	10.26	2.07
B.cells.naive	2.98	0	9.54	2.98
T.cells.CD4.naive	5.99	0	19.91	5.91
Neutrophils	7.25	0	52.23	8.81
T.cells.CD8	9.31	2.61	25.24	4.64
T.cells.CD4.memory.resting	11.96	0.43	24.83	6.02
NK.cells.resting	16.56	1.64	29.98	6.32
Monocytes	36.55	8.96	50.03	8.27

Appendix 2, Table 3: Summary statistics for cell proportions (in percentages) for the 45 subjects from GSE27957 after re-scaling using neutrophil proportions (Dataset 2)

	mean	minimum	maximum	standard deviation
T.cells.follicular.helper	0.00	0.00	0.00	0.00
Macrophages.M1	0.00	0.00	0.00	0.00
Dendritic.cells.resting	0.00	0.00	0.00	0.00
T.cells.gamma.delta	0.00	0.00	0.14	0.02
NK.cells.activated	0.01	0.00	0.41	0.06
Mast.cells.activated	0.01	0.00	0.58	0.09
Dendritic.cells.activated	0.28	0.00	1.25	0.34
Eosinophils	0.39	0.00	6.08	1.06
Macrophages.M0	0.68	0.00	6.37	1.10
T.cells.regulatory..Tregs.	0.78	0.00	5.06	1.38
Plasma.cells	0.82	0.00	1.79	0.62
Mast.cells.resting	1.20	0.00	4.46	1.21
Macrophages.M2	1.62	0.00	4.21	1.27
T.cells.CD4.memory.activated	2.17	0.00	10.57	2.15
B.cells.memory	2.27	0.00	16.86	2.87
B.cells.naive	3.29	0.00	11.76	3.37
T.cells.CD4.naive	6.37	0.00	21.21	6.14
T.cells.CD8	9.98	3.07	26.12	4.79
T.cells.CD4.memory.resting	12.86	0.47	26.11	6.30
NK.cells.resting	17.91	1.74	31.31	6.68
Monocytes	39.36	18.70	61.85	8.90

Appendix 2, Table 4: Summary statistics for cell proportions (in percentages) for the combined 120 subjects from GSE28042 and GSE27957 (Datasets 1 and 2)

	mean	minimum	maximum	standard deviation
Dendritic.cells.resting	0.01	0.00	0.29	0.04
Macrophages.M1	0.01	0.00	0.20	0.03
Mast.cells.activated	0.05	0.00	3.83	0.39
Dendritic.cells.activated	0.16	0.00	1.25	0.29
T.cells.follicular.helper	0.18	0.00	3.11	0.44
Eosinophils	0.18	0.00	6.08	0.68
T.cells.gamma.delta	0.27	0.00	9.53	1.20
NK.cells.activated	0.39	0.00	5.95	1.05
Plasma.cells	0.51	0.00	11.00	1.11
Macrophages.M0	0.65	0.00	6.37	0.83
Macrophages.M2	0.69	0.00	4.21	1.08
T.cells.regulatory..Tregs.	0.91	0.00	5.06	1.11
B.cells.memory	1.29	0.00	16.86	2.19
Mast.cells.resting	1.60	0.00	5.22	1.20
B.cells.naive	2.27	0.00	11.76	2.81
T.cells.CD4.memory.activated	3.55	0.00	11.41	2.61
T.cells.CD4.naive	3.94	0.00	21.21	5.10
T.cells.CD4.memory.resting	6.04	0.00	26.11	7.29
NK.cells.resting	11.71	0.00	31.31	7.12
T.cells.CD8	16.94	2.56	51.31	10.57
Monocytes	48.63	18.70	77.14	12.26

Appendix 2, Table 5: Summary statistics for cell proportions (in percentages) for the 77 subjects from GSE93606 (Dataset 3)

	mean	min	max	sd
B.cells.naive	2.47	0.00	10.08	2.03
B.cells.memory	0.36	0.00	2.36	0.60
Plasma.cells	0.50	0.00	5.52	0.83
T.cells.CD8	8.22	0.60	22.50	4.78
T.cells.CD4.naive	9.18	2.34	22.11	4.36
T.cells.CD4.memory.resting	3.51	0.00	12.18	3.47
T.cells.CD4.memory.activated	3.55	0.20	10.10	1.58
T.cells.follicular.helper	0.00	0.00	0.00	0.00
T.cells.regulatory..Tregs.	0.00	0.00	0.04	0.01
T.cells.gamma.delta	1.51	0.00	10.32	2.26
NK.cells.resting	9.61	0.00	24.69	4.35
NK.cells.activated	0.00	0.00	0.26	0.03
Monocytes	11.79	0.00	22.65	4.81
Macrophages.M0	0.33	0.00	4.79	0.79
Macrophages.M1	0.00	0.00	0.00	0.00
Macrophages.M2	0.74	0.00	4.59	0.86
Dendritic.cells.resting	0.00	0.00	0.00	0.00
Dendritic.cells.activated	0.25	0.00	1.04	0.27
Mast.cells.resting	0.82	0.00	3.15	0.71
Mast.cells.activated	0.01	0.00	0.38	0.05
Eosinophils	0.00	0.00	0.20	0.02
Neutrophils	47.15	23.01	70.60	10.34

Appendix 2, Table 6: Summary statistics for cell proportions (in percentages) for the 115 subjects from GSE38958 (Dataset 4)

	mean	minimum	maximum	standard deviation
Macrophages.M1	0.00	0.00	0.00	0.00
Dendritic.cells.resting	0.00	0.00	0.00	0.00
Mast.cells.activated	0.00	0.00	0.00	0.00
T.cells.follicular.helper	0.01	0.00	0.62	0.06
T.cells.gamma.delta	0.01	0.00	0.45	0.05
Macrophages.M2	0.01	0.00	0.75	0.08
T.cells.regulatory..Tregs.	0.17	0.00	3.50	0.62
NK.cells.activated	0.19	0.00	3.67	0.55
Plasma.cells	0.38	0.00	2.48	0.61
Dendritic.cells.activated	0.44	0.00	1.32	0.41
B.cells.memory	0.46	0.00	7.98	1.05
Eosinophils	0.62	0.00	5.15	0.86
Mast.cells.resting	1.95	0.00	6.19	1.42
Neutrophils	2.03	0.00	32.98	5.90
T.cells.CD4.memory.activated	2.14	0.00	10.28	1.77
Macrophages.M0	2.67	0.11	9.77	1.50
B.cells.naive	3.20	0.00	11.87	2.70
T.cells.CD4.naive	3.94	0.00	19.13	4.42
T.cells.CD8	11.76	0.06	27.74	5.02
NK.cells.resting	14.35	3.91	28.03	4.83
T.cells.CD4.memory.resting	15.26	0.00	33.40	6.87
Monocytes	40.41	15.27	58.68	8.94

Appendix 2, Table 7: Summary statistics for cell proportions (in percentages) for the 115 subjects from GSE38958 (re-scaled using neutrophil proportions) (Dataset 4)

	mean	min	max	sd
T.cells.follicular.helper	0.01	0.00	0.62	0.06
T.cells.gamma.delta	0.01	0.00	0.49	0.05
Macrophages.M2	0.01	0.00	0.78	0.08
T.cells.regulatory..Tregs.	0.17	0.00	3.50	0.62
NK.cells.activated	0.20	0.00	3.67	0.55
Plasma.cells	0.39	0.00	2.48	0.62
Dendritic.cells.activated	0.45	0.00	1.61	0.43
B.cells.memory	0.46	0.00	7.98	1.05
Eosinophils	0.64	0.00	5.15	0.90
Mast.cells.resting	1.99	0.00	6.19	1.45
T.cells.CD4.memory.activated	2.17	0.00	10.28	1.78
Macrophages.M0	2.73	0.16	9.77	1.56
B.cells.naive	3.31	0.00	11.87	2.81
T.cells.CD4.naive	3.99	0.00	19.13	4.43
T.cells.CD8	12.01	0.06	27.74	5.11
NK.cells.resting	14.68	3.91	28.03	4.89
T.cells.CD4.memory.resting	15.50	0.00	33.40	6.85
Monocytes	41.31	16.18	64.53	9.13