

Supplementary table 12: Spearman rank correlation between the expression of genes and the abundance of CAGs only in non-cancerous tissue of individuals with CRC (OFF samples)

	p-value (not adjusted)	Spearman Correlation Coefficient
Bacteroidetes Cluster 1_CCL20	0.877158776	0.039235937
Bacteroidetes Cluster 1_CD14	0.77877145	-0.071244202
Bacteroidetes Cluster 1_CXCL1	0.531268606	0.157976273
Bacteroidetes Cluster 1_CXCL11	0.034276026	0.50077446
Bacteroidetes Cluster 1_IFNG	0.729123916	0.087764596
Bacteroidetes Cluster 1_IL10	0.810233644	-0.060918955
Bacteroidetes Cluster 1_IL17a	0.178219329	0.466666667
Bacteroidetes Cluster 1_IL1b	0.653624736	0.113577713
Bacteroidetes Cluster 1_IL23	0.698593813	-0.098089843
Bacteroidetes Cluster 1_IL6	0.959663761	0.014298486
Bacteroidetes Cluster 1_IL8	0.606881896	0.130098107
Bacteroidetes Cluster 1_MMP13	0.732886836	0.127272727
Bacteroidetes Cluster 1_MyC	0.550450551	-0.1507486
Bacteroidetes Cluster 1_REG4	0.701627962	0.097057318
Bacteroidetes Cluster 1_SERP1	0.174808801	-0.33453799
Bacteroidetes Cluster 1_STAT3	0.818809784	-0.060085848
Bacteroidetes Cluster 1_TLR2	0.88358133	-0.037170888
Bacteroidetes Cluster 1_TLR4	0.533990019	-0.156943748
Bacteroidetes Cluster 2_CCL20	0.947545763	0.01754386
Bacteroidetes Cluster 2_CD14	0.574681698	0.141382869
Bacteroidetes Cluster 2_CXCL1	0.973759651	-0.009287926
Bacteroidetes Cluster 2_CXCL11	0.574681698	0.141382869
Bacteroidetes Cluster 2_IFNG	0.215529076	-0.306501548
Bacteroidetes Cluster 2_IL10	0.318276514	-0.24871001
Bacteroidetes Cluster 2_IL17a	0.312800267	-0.357575758
Bacteroidetes Cluster 2_IL1b	0.921384723	-0.025799794
Bacteroidetes Cluster 2_IL23	0.318276514	-0.24871001
Bacteroidetes Cluster 2_IL6	0.490099813	0.192857143
Bacteroidetes Cluster 2_IL8	0.973759651	0.009287926
Bacteroidetes Cluster 2_MMP13	0.607566897	-0.187878788
Bacteroidetes Cluster 2_MyC	0.154950061	-0.349845201
Bacteroidetes Cluster 2_REG4	0.497889796	0.170278638
Bacteroidetes Cluster 2_SERP1	0.662278717	-0.110423117
Bacteroidetes Cluster 2_STAT3	0.03180662	-0.526960784
Bacteroidetes Cluster 2_TLR2	0.82419663	0.056759546
Bacteroidetes Cluster 2_TLR4	0.446349533	-0.190918473

<b>Firmicutes Cluster 1_CCL20</b>	0.263703718	-0.277605779
<b>Firmicutes Cluster 1_CD14</b>	0.862851182	0.044375645
<b>Firmicutes Cluster 1_CXCL1</b>	0.980318291	-0.007223942
<b>Firmicutes Cluster 1_CXCL11</b>	0.609108914	-0.128998968
<b>Firmicutes Cluster 1_IFNG</b>	1	-0.001031992
<b>Firmicutes Cluster 1_IL10</b>	0.830613988	0.054695562
<b>Firmicutes Cluster 1_IL17a</b>	0.707203786	-0.139393939
<b>Firmicutes Cluster 1_IL1b</b>	0.519298577	-0.162022704
<b>Firmicutes Cluster 1_IL23</b>	0.954095309	-0.015479876
<b>Firmicutes Cluster 1_IL6</b>	0.389234503	0.239285714
<b>Firmicutes Cluster 1_IL8</b>	0.760687928	-0.077399381
<b>Firmicutes Cluster 1_MMMP13</b>	0.312800267	-0.357575758
<b>Firmicutes Cluster 1_MyC</b>	0.644362238	-0.116615067
<b>Firmicutes Cluster 1_REG4</b>	0.698648867	0.098039216
<b>Firmicutes Cluster 1_SERP1</b>	0.754411858	-0.079463364
<b>Firmicutes Cluster 1_STAT3</b>	0.701339321	-0.100490196
<b>Firmicutes Cluster 1_TLR2</b>	0.471758486	-0.180598555
<b>Firmicutes Cluster 1_TLR4</b>	0.638431995	-0.118679051
<b>Firmicutes Cluster 2_CCL20</b>	0.530166211	-0.157894737
<b>Firmicutes Cluster 2_CD14</b>	0.318276514	-0.24871001
<b>Firmicutes Cluster 2_CXCL1</b>	0.947545763	0.01754386
<b>Firmicutes Cluster 2_CXCL11</b>	0.446349533	-0.190918473
<b>Firmicutes Cluster 2_IFNG</b>	0.856385	0.046439628
<b>Firmicutes Cluster 2_IL10</b>	0.773283851	-0.073271414
<b>Firmicutes Cluster 2_IL17a</b>	0.330549466	-0.345454545
<b>Firmicutes Cluster 2_IL1b</b>	0.921384723	0.025799794
<b>Firmicutes Cluster 2_IL23</b>	0.754411858	-0.079463364
<b>Firmicutes Cluster 2_IL6</b>	0.743453593	0.092857143
<b>Firmicutes Cluster 2_IL8</b>	0.875808883	-0.040247678
<b>Firmicutes Cluster 2_MMMP13</b>	0.864753529	-0.066666667
<b>Firmicutes Cluster 2_MyC</b>	0.609108914	-0.128998968
<b>Firmicutes Cluster 2_REG4</b>	0.704776371	-0.095975232
<b>Firmicutes Cluster 2_SERP1</b>	0.94099952	0.019607843
<b>Firmicutes Cluster 2_STAT3</b>	0.802055628	-0.066176471
<b>Firmicutes Cluster 2_TLR2</b>	0.580359605	-0.139318885
<b>Firmicutes Cluster 2_TLR4</b>	0.741905326	-0.083591331
<b>Pathogen Cluster_CCL20</b>	0.035400021	0.502579979
<b>Pathogen Cluster_CD14</b>	0.508539186	-0.166150671
<b>Pathogen Cluster_CXCL1</b>	0.152402405	0.351909185

<b>Pathogen Cluster_CXCL11</b>	0.084041953	0.42002064
<b>Pathogen Cluster_IFNG</b>	0.574681698	0.141382869
<b>Pathogen Cluster_IL10</b>	0.431460055	0.197110423
<b>Pathogen Cluster_IL17a</b>	0.218028475	0.43030303
<b>Pathogen Cluster_IL1b</b>	0.089076103	0.413828689
<b>Pathogen Cluster_IL23</b>	0.170867036	0.3374613
<b>Pathogen Cluster_IL6</b>	0.532030437	0.175
<b>Pathogen Cluster_IL8</b>	0.096133309	0.405572755
<b>Pathogen Cluster_MMMP13</b>	0.087768043	0.575757576
<b>Pathogen Cluster_MyC</b>	0.133077875	0.368421053
<b>Pathogen Cluster_REG4</b>	0.407250952	0.207430341
<b>Pathogen Cluster_SERP1</b>	0.365632628	0.226006192
<b>Pathogen Cluster_STAT3</b>	0.449236656	0.196078431
<b>Pathogen Cluster_TLR2</b>	0.074616075	0.432404541
<b>Pathogen Cluster_TLR4</b>	0.4025014	0.209494324
<b>Prevotella Cluster_CCL20</b>	0.993438879	0.003095975
<b>Prevotella Cluster_CD14</b>	0.393095592	0.213622291
<b>Prevotella Cluster_CXCL1</b>	0.456424978	-0.186790506
<b>Prevotella Cluster_CXCL11</b>	0.895302775	-0.034055728
<b>Prevotella Cluster_IFNG</b>	0.557796725	0.147574819
<b>Prevotella Cluster_IL10</b>	0.51390524	-0.164086687
<b>Prevotella Cluster_IL17a</b>	0.891638844	0.054545455
<b>Prevotella Cluster_IL1b</b>	0.609108914	-0.128998968
<b>Prevotella Cluster_IL23</b>	0.717084758	-0.091847265
<b>Prevotella Cluster_IL6</b>	0.307424937	-0.282142857
<b>Prevotella Cluster_IL8</b>	0.656285912	-0.1124871
<b>Prevotella Cluster_MMMP13</b>	0.448272159	-0.272727273
<b>Prevotella Cluster_MyC</b>	0.431460055	0.197110423
<b>Prevotella Cluster_REG4</b>	0.365632628	-0.226006192
<b>Prevotella Cluster_SERP1</b>	0.94099952	-0.019607843
<b>Prevotella Cluster_STAT3</b>	0.920926977	-0.026960784
<b>Prevotella Cluster_TLR2</b>	0.298049947	-0.259029928
<b>Prevotella Cluster_TLR4</b>	0.62077132	-0.124871001