

Table 1: Taxa Differences between Indolent and Aggressive Lymphoma

<i>ID</i>	<i>carriage.Indolent</i>	<i>carriage.Aggressive</i>	<i>rel.abund.median.Indolent</i>	<i>rel.abund.median.Aggressive</i>	<i>rel.abund.mean.Indolent</i>	<i>rel.abund.mean.Aggressive</i>	<i>rel.abund.sd.Indolent</i>	<i>rel.abund.sd.Aggressive</i>	<i>p.wil</i>
a00a0226a9c9306db073bb6e1acbd362	94.44444444	50	0.133111436	0.003449346	0.297441145	0.019703654	0.276290527	0.026982728	0.001109541
9f05e4992392a05c38e1c790e07f3e5c	83.33333333	25	0.060360769	0	0.097919332	0.003491002	0.11014236	0.006562859	0.004170896
a00a0226a9c9306db073bb6e1acbd3621	94.44444444	50	0.129535517	0.003449346	0.292399537	0.019703654	0.280258374	0.026982728	0.001634519
23806803d9795a3a9def1fd5bc8576d7	77.77777778	12.5	0.043105172	0	0.088835748	0.00237863	0.122593101	0.006727783	0.003529461
1300fb2208dcb54d400995de3bc2eaa	72.22222222	0	0.018603057	0	0.074796261	0	0.112895301	0	0.002230532
a07b639d9ec0fa332dd56799223782d2	55.55555556	100	0.005713597	0.058567515	0.023131756	0.083246877	0.036117657	0.09342607	0.008760904
94adac1e5690b5aef26d6014e471f4581	100	100	0.439760521	3.585570329	1.095733706	5.974904241	1.383643086	6.693128527	0.015812837
084eb1b803972d886c7294ecb2676595	72.22222222	12.5	0.041627102	0	0.137306322	0.003880515	0.176762766	0.010975753	0.00713509
d039fee9e93545befc0b24c6b1adb8a2	72.22222222	25	0.056649885	0	0.107535625	0.002280321	0.19181692	0.004272948	0.007224118
4c8288bfbfd76958c0c094d87b97650f81	94.44444444	100	0.263020997	2.194936	3.608136377	7.210723549	9.590811815	10.38340204	0.030250756
3249d7b4a2797d6b8b3f892b43b638571	83.33333333	100	0.097581156	0.879583226	1.735514498	3.997426649	3.504128559	7.074919452	0.037091155
94adac1e5690b5aef26d6014e471f458	100	100	0.515751207	4.153715885	1.283484645	6.162807548	1.670463034	6.675689094	0.022075499
6f0b4058c92e83c77533a218739a0e381	100	100	57.41594725	35.48853349	59.78044391	43.68410094	19.21517744	22.53331846	0.046987886
76aa915543cd876d620eaeaf9b9f7673	83.33333333	25	0.348621338	0	0.786775548	0.105483496	1.163184518	0.254717	0.011584646
3249d7b4a2797d6b8b3f892b43b638572	66.66666667	100	0.083318879	0.811862218	1.712382743	3.914179772	3.495416745	7.084269265	0.047241483
6f0b4058c92e83c77533a218739a0e382	100	100	57.40887545	35.48853349	59.77663368	43.68410094	19.21748391	22.53331846	0.046987886
0a40068ba21819804b703b38e11e9c00	66.66666667	12.5	0.022859099	0	0.076113131	0.004311683	0.10634526	0.012195281	0.01619071
86b5603a79c587d59312beef52df34092	88.88888889	37.5	0.469908021	0	1.114642272	0.395030198	1.189793999	0.989954515	0.019914871
7949a6531e3cad4e887c8d260cde3ac8	100	62.5	0.515305422	0.037232478	0.709476626	0.211610119	0.726200193	0.32336923	0.021047372
5c41806f924fb1e703e71cf0d2414e601	44.44444444	87.5	0	0.051126142	0.05110555	0.12763924	0.136652821	0.235560395	0.030280856
1941bdf9450a85f4069a80e526137af7	77.77777778	50	1.554106485	0.034493463	1.866364515	0.221703831	1.752616699	0.386913891	0.029985726
6f0b4058c92e83c77533a218739a0e386	100	100	2.552737787	0.360700358	5.815131398	1.229344103	7.46889135	1.721668312	0.030250756
22436f090b3327aa9cc25a46c2614ab01	61.11111111	25	0.244928921	0	1.0669783	0.032584224	1.575099054	0.065986646	0.035054764
855166a7ea9905b7590e5e5fb7da78662	88.88888889	37.5	0.084163157	0	0.255906603	0.186162977	0.404868614	0.486066568	0.040611741
9f185911874fb5d5b2623b647359f33b1	33.33333333	87.5	0	0.018792599	0.008497867	0.645822167	0.017060773	1.595394707	0.013741126
d039fee9e93545befc0b24c6b1adb8a1	77.77777778	37.5	0.083401722	0	0.129030565	0.011794843	0.1904873	0.026322534	0.011584646
9f185911874fb5d5b2623b647359f33b	33.33333333	87.5	0	0.053089726	0.011177939	0.926366996	0.022161445	2.15157869	0.006903773
d039fee9e93545befc0b24c6b1adb8a	77.77777778	37.5	0.083401722	0	0.129030565	0.011794843	0.1904873	0.026322534	0.011584646
3249d7b4a2797d6b8b3f892b43b638574	66.66666667	100	0.083318879	0.811862218	1.712023451	3.911592762	3.495575288	7.083869608	0.047241483
6f0b4058c92e83c77533a218739a0e384	100	100	6.448528282	0.996852153	9.546524429	2.959614375	10.15466607	3.776131909	0.040736746
3249d7b4a2797d6b8b3f892b43b638573	66.66666667	100	0.083318879	0.811862218	1.712382743	3.914179772	3.495416745	7.084269265	0.047241483
a07b639d9ec0fa332dd56799223782d21	44.44444444	87.5	0	0.043461189	0.018059631	0.060385556	0.030650359	0.069420488	0.030280856
c003202be6a53b07fbb26ecd2161fe2c	44.44444444	75	0	0.047082134	0.02652804	0.119732687	0.090523464	0.213807357	0.037862243
3249d7b4a2797d6b8b3f892b43b638575	50	87.5	0.000964134	0.080845	0.757896667	2.01531181	2.62931151	4.754876853	0.039502395
94adac1e5690b5aef26d6014e471f4584	100	100	0.223339744	3.297009882	0.798165273	4.140392989	1.201148338	3.551854041	0.046987886
6f0b4058c92e83c77533a218739a0e385	100	100	4.576466104	0.77560434	8.637335259	2.631502349	9.400591976	3.584559597	0.030250756

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ID	Taxa Name	p	fdr	Level
a00a0226a9c9306db073bb6e1acbd362	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Dorea; s__formicigenerans	0.001109541	0.062134306	Species
9f05e4992392a05c38e1c790e07f3e5c	p__Firmicutes; c__Clostridia; o__Clostridiales; f__; g__; s__	0.004170896	0.091759715	OTU
a00a0226a9c9306db073bb6e1acbd362	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Dorea; s__formicigenerans	0.001634519	0.091759715	OTU
23806803d9795a3a9def1fd5bc8576d7	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Dorea; s__	0.003529461	0.091759715	OTU
1300fb2208dccb54d400995de3bc2eaa	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; NA; NA	0.002230532	0.091759715	OTU
a07b639d9ec0fa332dd56799223782d2	p__Actinobacteria; c__Actinobacteria; o__Actinomycetales; NA; NA; NA	0.008760904	0.102783441	Order
94adac1e5690b5aef26d6014e471f458	p__Firmicutes; c__Bacilli; o__Lactobacillales; NA; NA; NA	0.015812837	0.102783441	Order
084eb1b803972d886c7294ecb2676595	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__; s__5	0.00713509	0.105953735	OTU
d039ffe9e93545befc0b24c6b1adb8a	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Anaerostipes; s__	0.007224118	0.105953735	OTU
4c2888bfbd76958c0c094d87b97650f8	p__Proteobacteria; c__Gammaproteobacteria; NA; NA; NA; NA	0.030250756	0.129216687	Class
3249d7b4a2797d6b8b3f892b43b63857	p__Actinobacteria; c__Actinobacteria; NA; NA; NA; NA	0.037091155	0.129216687	Class
94adac1e5690b5aef26d6014e471f458	p__Firmicutes; c__Bacilli; NA; NA; NA; NA	0.022075499	0.129216687	Class
6f0b4058c92e83c77533a218739a0e38	p__Firmicutes; c__Clostridia; NA; NA; NA; NA	0.046987886	0.129216687	Class
76aa915543cd876d620ebeaf9fd767	p__Bacteroidetes; c__Bacteroidia; o__Bacteroidales; f__Porphyromonadaceae; g__Parabacteroides; s__	0.011584646	0.145635554	OTU
3249d7b4a2797d6b8b3f892b43b63857	p__Actinobacteria; c__Actinobacteria; o__Bifidobacteriales; NA; NA; NA	0.047241483	0.153534819	Order
6f0b4058c92e83c77533a218739a0e38	p__Firmicutes; c__Clostridia; o__Clostridiales; NA; NA; NA	0.046987886	0.153534819	Order
0a40068ba21819804b703b38e11e9c00	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Coprococcus; s__	0.01619071	0.178097814	OTU
86b5603a79c587d59312beef52df3409	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__[Ruminococcus]; s__gnavus.1	0.019914871	0.185216874	OTU
7949a6531e3cad4e887c8d260cde3ac8	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Blautia; s__3	0.021047372	0.185216874	OTU
5c41806f924fb1e703e71cf0d2414e60	p__Firmicutes; c__Erysipelotrichi; o__Erysipelotrichales; f__Erysipelotrichaceae; g__[Eubacterium]; s__dolichum	0.030280856	0.204978104	OTU
1941bdf9450a85f4069a80e526137af7	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Ruminococcaceae; g__Faecalibacterium; s__prausnitzii.3	0.029985726	0.204978104	OTU
6f0b4058c92e83c77533a218739a0e38	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Blautia; s__	0.030250756	0.204978104	OTU
22436f090b3327aa9cc25a46c2614ab0	p__Bacteroidetes; c__Bacteroidia; o__Bacteroidales; f__Bacteroidaceae; g__Bacteroides; s__uniformis.1	0.035054764	0.220344229	OTU
855166a7ea9905b7590e5e5fb7da7866	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Clostridiaceae; g__Clostridium; s__	0.040611741	0.238255545	OTU
9f185911874fb5d5b2623b647359f33b	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Veillonellaceae; g__Veillonella; s__dispar	0.013741126	0.256501022	Species
d039ffe9e93545befc0b24c6b1adb8a	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Anaerostipes; s__	0.011584646	0.256501022	Species
9f185911874fb5d5b2623b647359f33b	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Veillonellaceae; g__Veillonella; NA	0.006903773	0.260654542	Genus
d039ffe9e93545befc0b24c6b1adb8a	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Anaerostipes; NA	0.011584646	0.260654542	Genus
3249d7b4a2797d6b8b3f892b43b63857	p__Actinobacteria; c__Actinobacteria; o__Bifidobacteriales; f__Bifidobacteriaceae; g__Bifidobacterium; NA	0.047241483	0.37423493	Genus
6f0b4058c92e83c77533a218739a0e38	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Blautia; NA	0.040736746	0.37423493	Genus
3249d7b4a2797d6b8b3f892b43b63857	p__Actinobacteria; c__Actinobacteria; o__Bifidobacteriales; f__Bifidobacteriaceae; NA; NA	0.047241483	0.382096085	Family
a07b639d9ec0fa332dd56799223782d2	p__Actinobacteria; c__Actinobacteria; o__Actinomycetales; f__Actinomycetaceae; NA; NA	0.030280856	0.382096085	Family
c003202be6a53b07fbb26ecd2161fe2c	p__Firmicutes; c__Bacilli; o__Lactobacillales; f__Lactobacillaceae; NA; NA	0.037862243	0.382096085	Family
3249d7b4a2797d6b8b3f892b43b63857	p__Actinobacteria; c__Actinobacteria; o__Bifidobacteriales; f__Bifidobacteriaceae; g__Bifidobacterium; s__	0.039502395	0.423369313	Species
94adac1e5690b5aef26d6014e471f458	p__Firmicutes; c__Bacilli; o__Lactobacillales; f__Streptococcaceae; g__Streptococcus; s__	0.046987886	0.423369313	Species
6f0b4058c92e83c77533a218739a0e38	p__Firmicutes; c__Clostridia; o__Clostridiales; f__Lachnospiraceae; g__Blautia; s__	0.030250756	0.423369313	Species

Table 2: Demographic Distribution and Significance in MMC and Healthy Control Populations

	<i>MMMCC</i>	<i>Case</i>	<i>Total</i>	<i>P Value</i>
<i>Age</i>				0.127
<i>Mean (SD)</i>	64.783 (8.236)	61.420 (14.364)	63.255 (11.502)	
<i>Sex</i>				0.057
<i>F</i>	30 (50.0%)	16 (32.0%)	46 (41.8%)	
<i>M</i>	30 (50.0%)	34 (68.0%)	64 (58.2%)	
<i>BMI</i>				0.308
<i>Mean (SD)</i>	28.750 (5.200)	29.849 (6.051)	29.250 (5.603)	
<i>Race</i>				0.738
<i>Other</i>	6 (10.0%)	6 (12.0%)	12 (10.9%)	
<i>White</i>	54 (90.0%)	44 (88.0%)	98 (89.1%)	