

Cluster 1(Median +/- Variance)	Cluster 2	Cluster 3	Cluster 4
# of members=49 "BMI.kg.m2." "27.1 +/- 39.0094286555349" Status(multiply by 100 for %) Bronchiectasis Healthy 1 0 Asian_European(multiply by 100 for %) Asian Control European 0.08163265 0.00000000 0.91836735	# of members=70 "BMI.kg.m2." "19.3 +/- 34.9248808610401" Status Bronchiectasis Healthy 0.98571429 0.01428571 Asian_European Asian Control European 0.71428571 0.01428571 0.27142857	# of members=37 "BMI.kg.m2." "21.88 +/- 31.5216774774775" Status Bronchiectasis Healthy 1 0 Asian_European Asian Control European 0.4324324 0.0000000 0.5675676	# of members=73 "BMI.kg.m2." "19.7 +/- 24.8192948412698" Status Bronchiectasis Healthy 0.8767123 0.1232877 Asian_European Asian Control European 0.7534247 0.1232877 0.1232877
Clinical Outcomes "BSI_Bronchiectasis_severity_index" 9 +/- 19.5144557 "A.terreus_conidial_burden_qPCR" 2726.6 +/- 69081988.7455 MMRC_score 2 +/- 1.4906462585034 No_of_exacerbations_1yr_before_study 3 +/- 8.06802721088435" "Disease_severity" Mild Moderate Severe 0.14.28571 0.1836735 0.6734694 "Inhaled.corticosteroids..Yes.0..No.1." 0 1 0.5510204 0.4489796 "Mucolytic..Yes.0..No.1." 0 1 0.1632653 0.8367347 "Antifungal..Yes.0..No.1."	Clinical Outcomes "BSI_Bronchiectasis_severity_index" 10+/-13.385336743393 A.terreus_conidial_burden_qPCR 1433.3 +/- 537096674.555094 MMRC_score 1 +/- 1.576726342711 No_of_exacerbations_1yr_before_study 1 +/- 4.3527950310559 Disease_severity Mild Moderate Severe 0.05714286 0.28571429 0.65714286 "Inhaled.corticosteroids..Yes.0..No.1." 0 1 0.3188406 0.6811594 "Mucolytic..Yes.0..No.1." 0 1 0.3768116 0.6231884 "Antifungal..Yes.0..No.1."	Clinical Outcomes "BSI_Bronchiectasis_severity_index" 8 +/-11.6591591591592 A.terreus_conidial_burden_qPCR 3318.2 +/- 109174685.37027 MMRC_score 1 +/- 1.14564564564565 No_of_exacerbations_1yr_before_study 1 +/- 3.369 Disease_severity Mild Moderate Severe 0.05405405 0.51351351 0.43243243 "Inhaled.corticosteroids..Yes.0..No.1." 0 1 0.3243243 0.6756757 "Mucolytic..Yes.0..No.1." 0 1 0.1621622 0.8378378 "Antifungal..Yes.0..No.1."	Clinical Outcomes BSI_Bronchiectasis_severity_index 9 +/- 16.2080853174603 "A.terreus_conidial_burden_qPCR" 1143+/-1533103459.29145 "MMRC_score" 1+/-1.68948412698413 No_of_exacerbations_1yr_before_study 0 +/- 3.147640 "Disease_severity" Mild Moderate Severe 0.2328767 0.3150685 0.4520548 "Inhaled.corticosteroids..Yes.0..No.1." 0 1 0.171875 0.828125 "Mucolytic..Yes.0..No.1." 0 1 0.359375 0.640625 "Antifungal..Yes.0..No.1."

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0 1 0.0 1.0	0 1 0.04347826 0.95652174	0 1 0.0 1.0	0 1 0.015625 0.984375
Luminex	Luminex	Luminex	Luminex
"Eotaxin" 0.037198022 +/- 48.7303973179788	Eotaxin 0.207915478+/-33.0611858580289	Eotaxin 0.078248695+/-5.5246200708248	Eotaxin 0.392197612+/-29.5962861159219
Flt.3L 0.353390658 +/- 30.5195164208317	Flt.3L 1.329939992+/-6.1586831370366	Flt.3L 0.602081528+/-16.1151655408945	"Flt.3L" 2.033060444+/-26.0733568435203
Fractalkine 14.37798758+/-862.073781237894	Fractalkine 17.05276074+/-1412.61745620219	Fractalkine 11.61346459+/-509.965963442939	Fractalkine 23.19283391+/-1209.67864139425
IL.13 0.060379213+/-0.4522128809878	IL.13 0.155979633+/-10.3925605794339	IL.13 0.090954875+/-0.289386547524562	IL.13 0.21577788+/-1.81575472689517
IL.1a 96.54799025+/-26628.272560234	IL.1a 65.31366955+/-20189.9040460947	IL.1a 194.3640136+/-91398.6527248087	IL.1a 70.12276515+/-17013.1422201389
"IL.1b" 83.63879042+/-366974.491481896	"IL.1b" 38.56528679+/-142314.512096312	IL.1b 297.7796468+/-321639.229276167	IL.1b 40.4056775+/-101765.637399257
IL.9 0.001726239+/-3.28779581691085	IL.9 0.011062948+/-5.74823630870615	IL.9 0.002185796+/-3.27120052182726	IL.9 0.031599173+/-1.05606255889443
MCP.3 0.990119321+/-2.26640008642742	"MCP.3" 2.014494514+/-2067.23939524377	MCP.3 1.30465387+/-60.8403748394016	MCP.3 2.483564219+/-12.8522313076802
MIP.1a 3.997931821+/-37.8217801654009	MIP.1a 2.96678356+/-694.364719132885	MIP.1a 8.385913917+/-370.1555313133	MIP.1a 3.114207481+/-47.9012456585365
PDGF.AA 0.321628485+/-5.18896165997437	PDGF.AA 0.665376172+/-30.5381224696709	PDGF.AA 0.407252175+/-17.8150231839706	PDGF.AA 0.867734683+/-7.8359221450294
PDGF.AB.BB 0.792853583+/-4.2044168908998	PDGF.AB.BB 1.666577943+/-35.5968235421658	PDGF.AB.BB 1.170402908+/-8.24119999779081	PDGF.AB.BB 2.607555035+/-8.4769615731942
TNFA	TNFA	TNFA	TNFA

Cluster 1(Median +/- Variance)	Cluster 2	Cluster 3	Cluster 4
28.62823119+/-40293.5598212244 TNFb 0.040757509+/- 0.00284221337921156 sCD40L 0.537758542+/-3.82502684440387	15.99515672+/-46357.232860614 TNFb 0.06726183+/-71.8412224707112 sCD40L 0.563447468+/-1.31996424037384	86.27620868+/-69155.5221742963 TNFb 0.048978356+/- 0.00896014654565183 sCD40L 1.727252285+/-6.3819593445646	13.93600121+/-5379.96462206168 TNFb 0.135783699+/-15.5839851199085 sCD40L 0.585024997+/-4.13852513175634
Fungi(Median) Candida: 82.302589 Saccharomyces: 5.59337082 unidentified: 1.065830721 Cryptococcus: 0.877742947 Penicillium: 0.303876478 Bacteria(Median) Streptococcus: 50.30375066 Haemophilus: 30.93887839 Rothia: 7.869565217000001 Granulicatella: 0.066277837	Fungi Candida: 99.80516655 Saccharomyces: 0.021043096 unidentified: 0.0093975985 Aspergillus: 0.004483200499999999 Penicillium: 0.000139529 Bacteria Streptococcus: 16.865214685 Rothia: 7.5634277045 Prevotella: 3.3845293415 Veillonella: 3.156217216 Actinomyces: 2.311716 Granulicatella: 0.5589121235 Haemophilus: 0.475710542 Leptotrichia: 0.213757692 Fusobacterium: 0.182362431 Neisseria: 0.1607464315 Pseudomonas: 0.1552266295 Gemella: 0.106583814 Selenomonas: 0.103992408 Campylobacter: 0.09723573299999999 Atopobium: 0.0846282765 Porphyromonas: 0.056424653 Oribacterium: 0.05438201050000001 Capnocytophaga: 0.04846017400000001 Lactobacillus: 0.0446095685 Corynebacterium: 0.025253606999999997 Bulleidia: 0.017413369499999998	Fungi Candida: 94.57985670000001 unidentified: 0.323961254 Saccharomyces: 0.036038283 Penicillium: 0.013400873999999998 Aspergillus: 0.005185151 Bacteria Haemophilus: 60.20192151 Streptococcus: 10.99426386 Rothia: 2.631265627 Veillonella: 0.696677385 Actinomyces: 0.650128315 Prevotella: 0.6457564579999999 Neisseria: 0.276827878 Granulicatella: 0.273104654 Porphyromonas: 0.22294284600000003 Fusobacterium: 0.095602295 Leptotrichia: 0.067558438 Pseudomonas: 0.048851979000000004 Atopobium: 0.043912614 Selenomonas: 0.038240918 Oribacterium: 0.024863252000000002 Corynebacterium: 0.018450185 Campylobacter: 0.018450185 Parvimonas: 0.016661113 Capnocytophaga: 0.013511688 Lautropia: 0.012431626000000001 Mogibacterium: 0.010978153999999999	Fungi Candida: 47.80385209 unidentified: 2.17289587 Aspergillus: 0.14022585199999998 Saccharomyces: 0.105998146 Penicillium: 0.004756434 Bacteria Prevotella: 5.360602799 Haemophilus: 3.9127837519999997 Veillonella: 3.08310992 Actinomyces: 2.9705323189999997 Gemella: 1.53823178 Porphyromonas: 1.234326019 Leptotrichia: 1.177072671 Granulicatella: 1.039906408 Fusobacterium: 0.6913716809999999 Capnocytophaga: 0.346020761 Corynebacterium: 0.140805407 Campylobacter: 0.136399065 Atopobium: 0.128402671 Bulleidia: 0.108560794 Selenomonas: 0.105180121 Oribacterium: 0.10454002400000001 Lautropia: 0.092030186 Aggregatibacter: 0.054975261 Moryella: 0.051840332 Peptostreptococcus: 0.050624367 Mogibacterium: 0.050624367

Cluster 1(Median +/- Variance)	Cluster 2	Cluster 3	Cluster 4
	Moryella: 0.013516365500000002		Parvimonas: 0.047607712 Megasphaera: 0.040428543 Pseudomonas: 0.030740855 Catonella: 0.028161081 Tannerella: 0.021528525