

Cluster 1	Cluster 2
Number of subjects: 58 Age: 69.5 +/- 126.3754 BMI: 26.57679 +/- 6.041189 Asians: 8.62 % Europeans: 91.3 % Controls: 0 %	Number of subjects: 171 Age: 67 +/- 151.8189 BMI: 20 +/- 30.01167 Asians: 70.17 % Europeans: 23.9 % Controls: 5.8 % (All controls are in here)
<u>Clinical Outcomes:</u> 1. High A.terreus_conidial_burden_qPCR Median = 2947 2. High MMRC Score, Median = 2.00 3. High No. of exacerbation, Median = 3.000 4. Disease Severity Mild: 12% Moderate: 17.2 % Severe: 70.6 % 5. Bronchodilator Yes: 55.1 % No: 44.3 % 6. Inhaled corticosteroids Yes: 55.1 % No: 44.8 % 7. Antifungal Yes: 50 % No: 50 %	<u>Clinical Outcomes:</u> 1. Low A.terreus_conidial_burden_qPCR Median = 1531 2. Low MMRC Score, Median = 1.000 3. Low No. of exacerbation, Median = 1.000 4. Disease Severity Mild: 13% Moderate: 35.6% Severe: 50.8% 5. Bronchodilator Yes: 39.1 % No: 60.3 % 6. Inhaled corticosteroids Yes: 24.8 % No: 75.1 % 7. Antifungal Yes: 2.4 % No: 97.5 %
<u>Luminex Assay</u> 1. Eotaxin : 0.04023787 +/- 43.45124 2. Flt.3L : 0.37908 +/- 30.01281 3. Fractalkine : 13.631 +/- 759.8935 4. IL.13 : 0.06513435 +/- 0.4351521 5. IL.2 : 0.02917753 +/- 0.1685293 6. IL.9 : 0.001794391 +/- 2.809431	<u>Luminex Assay</u> 1. Eotaxin : 0.3161859 +/- 26.02762 2. Flt.3L : 1.329940 +/- 15.16912 3. Fractalkine : 19.92125 +/- 1198.152 4. IL.13 : 0.167107 +/- 5.287254 5. IL.2 : 0.1293557 +/- 0.150298 6. IL.9 : 0.01140756 +/- 3.65448

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7.MCP.3: 1.068096 +/- 41.34944	7.MCP.3: 2.014495 +/- 909.8239
8.PDGF.AA: 0.3343265 +/- 14.21394	8.PDGF.AA: 0.6191895 +/- 17.17833
9.PDGF.AB.BB: 0.825072 +/- 3.653543	9.PDGF.AB.BB: 2.089939 +/- 20.71956
10.TNFb: 0.04361324 +/- 0.00256456	10.TNFb: 0.06914592 +/- 37.2139
11.Asp.f8: 0.7206904 +/- 3.601585	11.Asp.f8: 0.9925302 +/- 9633.582
Bacteria (On Average) Streptococcus: 45.67500144258621 Haemophilus: 30.109694626810345 Rothia: 10.089581269724139 Pseudomonas: 3.8887701376034483 Granulicatella: 3.0496349493965518 Moraxella: 0.9437996072758621 Neisseria: 0.8782981891034484 Actinomyces: 0.8648385213793103 Prevotella: 0.7957908922241379 Veillonella: 0.7294936659827586 Achromobacter: 0.47261236215517244 Porphyromonas: 0.36347402153448277 Gemella: 0.3380685268793104 Proteus: 0.257880549137931 Fusobacterium: 0.18543387587931037 Actinobacillus: 0.17490881489655175 Abiotrophia: 0.16924949731034483 Leptotrichia: 0.15854091096551726 Capnocytophaga: 0.146279468637931	Bacteria (On Average) Streptococcus: 22.44573053797076 Haemophilus: 13.37363830560234 Rothia: 11.59565348525731 Neisseria: 6.980660613491228 Pseudomonas: 6.68092667919883 Prevotella: 6.302074639707602 Veillonella: 5.128641361578947 Actinomyces: 3.642031700549707 Klebsiella: 3.056995700824561 Gemella: 2.6060454282690055 Porphyromonas: 2.2833596094853803 Actinobacillus: 1.8094677213918129 Moraxella: 1.749377634064328 Granulicatella: 1.4833820233508772 Leptotrichia: 1.2205702846432749 Corynebacterium: 1.1024361557836257 Fusobacterium: 1.0679386504152046 Staphylococcus: 1.064607741619883 Lactobacillus: 0.7280114654093568 Acinetobacter: 0.6021992548479531 Capnocytophaga: 0.5093108093508772 Abiotrophia: 0.3964111738304094 Lautropia: 0.3067465973040936 Achromobacter: 0.2686003481812866 Selenomonas: 0.23957113929239768 Atopobium: 0.2360860198830409 Aggregatibacter: 0.20972143795321638 Campylobacter: 0.20914729294152046 Treponema: 0.2043792478245614 Nocardia: 0.19590807937426902 Bulleidia: 0.19124802929239768 Peptostreptococcus: 0.1804602976608187 Oribacterium: 0.1419193308596491 Moryella: 0.12512679174269006 Proteus: 0.12224017110526315 Parvimonas: 0.12054285138011697 Tannerella: 0.1176074231871345 Megasphaera: 0.10695881867251462

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<p>Fungal (on Average)</p> <p>Candida: 78.76761409993102 Saccharomyces: 6.9480055692931035 Clavispora: 3.1446542288965516 Wickerhamomyces: 2.1739063506206895 unidentified: 1.9108568713965517 Penicillium: 1.7678606001551722 Cryptococcus: 1.5331999429482759 Botrytis: 1.372344746724138 Alternaria: 0.314169032 Pichia: 0.3089033358793104 Phaeosphaeria: 0.2854539444827586 Aspergillus: 0.2485573175 Hanseniaspora: 0.2388925845862069 Trametes: 0.1381673974827586</p>	<p>Dialister: 0.10334456594152047 Stenotrophomonas: 0.10085182318713451</p> <p>Fungal (on Average)</p> <p>Candida: 74.6579612098772 Saccharomyces: 5.8093512093742685 unidentified: 5.78179312308187 Aspergillus: 4.108623279555555 Penicillium: 1.4522947314152048 Issatchenkia: 0.6099279572046783 Trichosporon: 0.5529778534795322 Mycosphaerella: 0.4108926707251462 Kodamaea: 0.3700974396491228 Phellinus: 0.3140227308245614 Cryptococcus: 0.28585054720467834 Cladosporium: 0.2820118475497076 Schizophyllum: 0.27200325752631577 Malassezia: 0.24098709653801173 Peyronellaea: 0.24026190734502928 Phlebia: 0.2395938697251462 Grammothele: 0.21246810478362577 Phlebiopsis: 0.2119946004502924 Sarocladium: 0.21149273252046785 Meyerozyma: 0.181983485877193 Simplicillium: 0.17673836698245612 Rhodotorula: 0.1683615112163743 Curvularia: 0.14858116099999996 Ceriporia: 0.1260041442748538 Phanerochaete: 0.11415140965497077 Earliella: 0.11233209819298245 Psathyrella: 0.10405645989473684</p>