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Supplemental Information

**Microbiota Imbalance Contributes
to COPD Deterioration by Enhancing
IL-17a Production via miR-122 and miR-30a**

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Table S1. Primers used for real-time PCR

| Gene Name | Forward Primer Sequence | Reverse Primer Sequence |
|-----------------------|-------------------------|-------------------------|
| miR-10a | CCTGTAGATCCGAATTTG | AACATGTCTGCGTATCTC |
| miR-26a | CAAGTAATCCAGGATAGG- | AACATGTCTGCGTATCTC |
| miR-30a | AACATCCTCGACTGGAA | AACATGTCTGCGTATCTC |
| miR-34c | GGCAGTGTAGTTAGCTG | AACATGTCTGCGTATCTC |
| miR-99b | CCGTAGAACCGACCTTG | AACATGTCTGCGTATCTC |
| miR-122a | GGAGTGTGACAATGGTG | AACATGTCTGCGTATCTC |
| miR-123 | CATTATTACTTTTGGTACGC | AACATGTCTGCGTATCTC |
| miR-124a | TTCACAGCGGACCTTGA | AACATGTCTGCGTATCTC |
| miR-125a | CCTGAGACCCTTTAACC | AACATGTCTGCGTATCTC |
| miR-140s ^b | CAGTGGTTTTACCCTATG | AACATGTCTGCGTATCTC |
| miR-145 | GTCCAGTTTTCCAGGA | AACATGTCTGCGTATCTC |
| miR-146 | GAGAACTGAATTCCATGG | AACATGTCTGCGTATCTC |
| miR-191 | CGGAATCCCAAAGCAG | AACATGTCTGCGTATCTC |
| miR-192 | GACCTATGAATTGACAGC | AACATGTCTGCGTATCTC |
| miR-219 | GATTGTCCAAACGCAATTCT | AACATGTCTGCGTATCTC |
| miR-222 | CTCAGTAGCCAGTGTAG | AACATGTCTGCGTATCTC |
| miR-223 | CGTGTATTTGACAAGCTG | AACATGTCTGCGTATCTC |
| IL17a | CGGACTGTGATGGTCAACCTGA | GCACTTTGCCTCCCAGATCACA |
| 5S | CTCGCTTCGGCAGCACAT | TTTGCGTGTCATCCTTGCG |
| GAPDH | GTCTCCTCTGACTTCAACAGCG | ACCACCCTGTTGCTGTAGCCAA |