

FTIR

Wavenumber(cm⁻¹) Transmittance(%)

3996.2579	1.0000
3994.3292	0.9999
3992.4006	0.9999
3990.4719	0.9998
3988.5432	0.9997
3986.6145	0.9995
3984.6858	0.9993
3982.7571	0.9992
3980.8284	0.9991
3978.8997	0.9990
3976.9710	0.9989
3975.0423	0.9988
3973.1136	0.9986
3971.1849	0.9984
3969.2562	0.9982
3967.3275	0.9981
3965.3988	0.9980
3963.4701	0.9980
3961.5414	0.9980
3959.6127	0.9978
3957.6840	0.9976
3955.7553	0.9975
3953.8266	0.9973
3951.8979	0.9973
3949.9692	0.9972
3948.0405	0.9971
3946.1118	0.9969
3944.1832	0.9968
3942.2545	0.9966
3940.3258	0.9964
3938.3971	0.9962
3936.4684	0.9961
3934.5397	0.9962
3932.6110	0.9962
3930.6823	0.9960
3928.7536	0.9958
3926.8249	0.9956
3924.8962	0.9955
3922.9675	0.9953
3921.0388	0.9951
3919.1101	0.9950
3917.1814	0.9949

3915.2527	0.9946
3913.3240	0.9944
3911.3953	0.9942
3909.4666	0.9941
3907.5379	0.9941
3905.6092	0.9942
3903.6805	0.9943
3901.7518	0.9941
3899.8231	0.9938
3897.8945	0.9935
3895.9658	0.9932
3894.0371	0.9930
3892.1084	0.9928
3890.1797	0.9925
3888.2510	0.9924
3886.3223	0.9924
3884.3936	0.9923
3882.4649	0.9921
3880.5362	0.9918
3878.6075	0.9914
3876.6788	0.9912
3874.7501	0.9911
3872.8214	0.9910
3870.8927	0.9908
3868.9640	0.9905
3867.0353	0.9902
3865.1066	0.9900
3863.1779	0.9899
3861.2492	0.9896
3859.3205	0.9893
3857.3918	0.9891
3855.4631	0.9889
3853.5344	0.9886
3851.6057	0.9884
3849.6771	0.9881
3847.7484	0.9878
3845.8197	0.9876
3843.8910	0.9874
3841.9623	0.9872
3840.0336	0.9869
3838.1049	0.9865
3836.1762	0.9862
3834.2475	0.9859
3832.3188	0.9855

3830.3901	0.9852
3828.4614	0.9849
3826.5327	0.9847
3824.6040	0.9843
3822.6753	0.9840
3820.7466	0.9837
3818.8179	0.9835
3816.8892	0.9830
3814.9605	0.9827
3813.0318	0.9823
3811.1031	0.9820
3809.1744	0.9817
3807.2457	0.9813
3805.3170	0.9810
3803.3884	0.9807
3801.4597	0.9803
3799.5310	0.9800
3797.6023	0.9797
3795.6736	0.9793
3793.7449	0.9789
3791.8162	0.9785
3789.8875	0.9782
3787.9588	0.9778
3786.0301	0.9775
3784.1014	0.9770
3782.1727	0.9766
3780.2440	0.9761
3778.3153	0.9757
3776.3866	0.9753
3774.4579	0.9748
3772.5292	0.9744
3770.6005	0.9740
3768.6718	0.9735
3766.7431	0.9731
3764.8144	0.9726
3762.8857	0.9721
3760.9570	0.9717
3759.0283	0.9712
3757.0996	0.9707
3755.1710	0.9701
3753.2423	0.9695
3751.3136	0.9689
3749.3849	0.9683
3747.4562	0.9679

3745.5275	0.9675
3743.5988	0.9671
3741.6701	0.9666
3739.7414	0.9661
3737.8127	0.9657
3735.8840	0.9653
3733.9553	0.9646
3732.0266	0.9637
3730.0979	0.9629
3728.1692	0.9623
3726.2405	0.9618
3724.3118	0.9611
3722.3831	0.9601
3720.4544	0.9592
3718.5257	0.9582
3716.5970	0.9574
3714.6683	0.9566
3712.7396	0.9557
3710.8109	0.9547
3708.8823	0.9537
3706.9536	0.9528
3705.0249	0.9518
3703.0962	0.9507
3701.1675	0.9496
3699.2388	0.9484
3697.3101	0.9473
3695.3814	0.9461
3693.4527	0.9449
3691.5240	0.9436
3689.5953	0.9421
3687.6666	0.9404
3685.7379	0.9388
3683.8092	0.9373
3681.8805	0.9358
3679.9518	0.9342
3678.0231	0.9326
3676.0944	0.9307
3674.1657	0.9288
3672.2370	0.9270
3670.3083	0.9250
3668.3796	0.9228
3666.4509	0.9207
3664.5222	0.9185
3662.5935	0.9162

3660.6649	0.9139
3658.7362	0.9115
3656.8075	0.9089
3654.8788	0.9062
3652.9501	0.9038
3651.0214	0.9013
3649.0927	0.8981
3647.1640	0.8947
3645.2353	0.8916
3643.3066	0.8887
3641.3779	0.8857
3639.4492	0.8825
3637.5205	0.8794
3635.5918	0.8763
3633.6631	0.8731
3631.7344	0.8701
3629.8057	0.8668
3627.8770	0.8627
3625.9483	0.8590
3624.0196	0.8557
3622.0909	0.8524
3620.1622	0.8489
3618.2335	0.8451
3616.3048	0.8416
3614.3762	0.8381
3612.4475	0.8344
3610.5188	0.8306
3608.5901	0.8269
3606.6614	0.8230
3604.7327	0.8193
3602.8040	0.8158
3600.8753	0.8123
3598.9466	0.8087
3597.0179	0.8052
3595.0892	0.8016
3593.1605	0.7978
3591.2318	0.7943
3589.3031	0.7910
3587.3744	0.7874
3585.4457	0.7835
3583.5170	0.7799
3581.5883	0.7765
3579.6596	0.7732
3577.7309	0.7698

3575.8022	0.7665
3573.8735	0.7633
3571.9448	0.7601
3570.0161	0.7572
3568.0874	0.7543
3566.1588	0.7511
3564.2301	0.7477
3562.3014	0.7446
3560.3727	0.7416
3558.4440	0.7386
3556.5153	0.7358
3554.5866	0.7330
3552.6579	0.7302
3550.7292	0.7274
3548.8005	0.7248
3546.8718	0.7222
3544.9431	0.7195
3543.0144	0.7167
3541.0857	0.7141
3539.1570	0.7115
3537.2283	0.7091
3535.2996	0.7067
3533.3709	0.7044
3531.4422	0.7021
3529.5135	0.6999
3527.5848	0.6977
3525.6561	0.6954
3523.7274	0.6931
3521.7987	0.6910
3519.8701	0.6888
3517.9414	0.6867
3516.0127	0.6845
3514.0840	0.6825
3512.1553	0.6805
3510.2266	0.6786
3508.2979	0.6767
3506.3692	0.6748
3504.4405	0.6730
3502.5118	0.6712
3500.5831	0.6693
3498.6544	0.6674
3496.7257	0.6656
3494.7970	0.6640
3492.8683	0.6623

3490.9396	0.6607
3489.0109	0.6590
3487.0822	0.6574
3485.1535	0.6558
3483.2248	0.6543
3481.2961	0.6528
3479.3674	0.6512
3477.4387	0.6497
3475.5100	0.6482
3473.5813	0.6467
3471.6527	0.6452
3469.7240	0.6437
3467.7953	0.6424
3465.8666	0.6411
3463.9379	0.6399
3462.0092	0.6387
3460.0805	0.6375
3458.1518	0.6363
3456.2231	0.6353
3454.2944	0.6342
3452.3657	0.6331
3450.4370	0.6321
3448.5083	0.6311
3446.5796	0.6301
3444.6509	0.6293
3442.7222	0.6284
3440.7935	0.6276
3438.8648	0.6267
3436.9361	0.6259
3435.0074	0.6252
3433.0787	0.6247
3431.1500	0.6242
3429.2213	0.6238
3427.2926	0.6234
3425.3640	0.6230
3423.4353	0.6226
3421.5066	0.6224
3419.5779	0.6221
3417.6492	0.6219
3415.7205	0.6217
3413.7918	0.6215
3411.8631	0.6214
3409.9344	0.6214
3408.0057	0.6214

3406.0770	0.6214
3404.1483	0.6215
3402.2196	0.6216
3400.2909	0.6217
3398.3622	0.6219
3396.4335	0.6222
3394.5048	0.6224
3392.5761	0.6226
3390.6474	0.6229
3388.7187	0.6233
3386.7900	0.6238
3384.8613	0.6242
3382.9326	0.6246
3381.0039	0.6251
3379.0752	0.6257
3377.1466	0.6263
3375.2179	0.6269
3373.2892	0.6276
3371.3605	0.6283
3369.4318	0.6291
3367.5031	0.6299
3365.5744	0.6308
3363.6457	0.6317
3361.7170	0.6326
3359.7883	0.6335
3357.8596	0.6344
3355.9309	0.6353
3354.0022	0.6362
3352.0735	0.6371
3350.1448	0.6381
3348.2161	0.6391
3346.2874	0.6400
3344.3587	0.6410
3342.4300	0.6419
3340.5013	0.6429
3338.5726	0.6440
3336.6439	0.6450
3334.7152	0.6460
3332.7865	0.6469
3330.8579	0.6479
3328.9292	0.6489
3327.0005	0.6498
3325.0718	0.6508
3323.1431	0.6518

3321.2144	0.6527
3319.2857	0.6537
3317.3570	0.6546
3315.4283	0.6555
3313.4996	0.6565
3311.5709	0.6575
3309.6422	0.6585
3307.7135	0.6595
3305.7848	0.6603
3303.8561	0.6611
3301.9274	0.6619
3299.9987	0.6628
3298.0700	0.6637
3296.1413	0.6646
3294.2126	0.6656
3292.2839	0.6665
3290.3552	0.6673
3288.4265	0.6682
3286.4978	0.6691
3284.5691	0.6701
3282.6405	0.6710
3280.7118	0.6720
3278.7831	0.6730
3276.8544	0.6740
3274.9257	0.6752
3272.9970	0.6764
3271.0683	0.6776
3269.1396	0.6786
3267.2109	0.6797
3265.2822	0.6808
3263.3535	0.6819
3261.4248	0.6832
3259.4961	0.6845
3257.5674	0.6858
3255.6387	0.6871
3253.7100	0.6884
3251.7813	0.6896
3249.8526	0.6909
3247.9239	0.6923
3245.9952	0.6937
3244.0665	0.6951
3242.1378	0.6964
3240.2091	0.6977
3238.2804	0.6990

3236.3518	0.7004
3234.4231	0.7019
3232.4944	0.7033
3230.5657	0.7046
3228.6370	0.7060
3226.7083	0.7074
3224.7796	0.7088
3222.8509	0.7102
3220.9222	0.7116
3218.9935	0.7131
3217.0648	0.7146
3215.1361	0.7161
3213.2074	0.7175
3211.2787	0.7189
3209.3500	0.7203
3207.4213	0.7219
3205.4926	0.7234
3203.5639	0.7250
3201.6352	0.7265
3199.7065	0.7280
3197.7778	0.7295
3195.8491	0.7311
3193.9204	0.7327
3191.9917	0.7343
3190.0630	0.7360
3188.1344	0.7376
3186.2057	0.7393
3184.2770	0.7409
3182.3483	0.7426
3180.4196	0.7442
3178.4909	0.7459
3176.5622	0.7476
3174.6335	0.7492
3172.7048	0.7509
3170.7761	0.7524
3168.8474	0.7540
3166.9187	0.7557
3164.9900	0.7575
3163.0613	0.7592
3161.1326	0.7608
3159.2039	0.7624
3157.2752	0.7641
3155.3465	0.7658
3153.4178	0.7675

3151.4891	0.7692
3149.5604	0.7707
3147.6317	0.7723
3145.7030	0.7738
3143.7743	0.7754
3141.8457	0.7770
3139.9170	0.7787
3137.9883	0.7803
3136.0596	0.7818
3134.1309	0.7832
3132.2022	0.7847
3130.2735	0.7862
3128.3448	0.7877
3126.4161	0.7892
3124.4874	0.7907
3122.5587	0.7922
3120.6300	0.7937
3118.7013	0.7952
3116.7726	0.7966
3114.8439	0.7979
3112.9152	0.7993
3110.9865	0.8006
3109.0578	0.8019
3107.1291	0.8032
3105.2004	0.8045
3103.2717	0.8058
3101.3430	0.8072
3099.4143	0.8084
3097.4856	0.8097
3095.5569	0.8109
3093.6283	0.8122
3091.6996	0.8135
3089.7709	0.8147
3087.8422	0.8159
3085.9135	0.8172
3083.9848	0.8185
3082.0561	0.8197
3080.1274	0.8210
3078.1987	0.8222
3076.2700	0.8234
3074.3413	0.8246
3072.4126	0.8258
3070.4839	0.8271
3068.5552	0.8284

3066.6265	0.8297
3064.6978	0.8310
3062.7691	0.8322
3060.8404	0.8335
3058.9117	0.8348
3056.9830	0.8362
3055.0543	0.8376
3053.1256	0.8390
3051.1969	0.8404
3049.2682	0.8417
3047.3396	0.8431
3045.4109	0.8445
3043.4822	0.8459
3041.5535	0.8472
3039.6248	0.8484
3037.6961	0.8497
3035.7674	0.8510
3033.8387	0.8524
3031.9100	0.8537
3029.9813	0.8549
3028.0526	0.8560
3026.1239	0.8572
3024.1952	0.8585
3022.2665	0.8597
3020.3378	0.8609
3018.4091	0.8621
3016.4804	0.8632
3014.5517	0.8642
3012.6230	0.8651
3010.6943	0.8660
3008.7656	0.8667
3006.8369	0.8675
3004.9082	0.8681
3002.9795	0.8687
3001.0508	0.8691
2999.1222	0.8694
2997.1935	0.8695
2995.2648	0.8696
2993.3361	0.8695
2991.4074	0.8692
2989.4787	0.8686
2987.5500	0.8679
2985.6213	0.8671
2983.6926	0.8662

2981.7639	0.8653
2979.8352	0.8643
2977.9065	0.8630
2975.9778	0.8616
2974.0491	0.8601
2972.1204	0.8586
2970.1917	0.8569
2968.2630	0.8553
2966.3343	0.8537
2964.4056	0.8522
2962.4769	0.8507
2960.5482	0.8493
2958.6195	0.8480
2956.6908	0.8468
2954.7621	0.8456
2952.8335	0.8443
2950.9048	0.8427
2948.9761	0.8409
2947.0474	0.8388
2945.1187	0.8366
2943.1900	0.8342
2941.2613	0.8319
2939.3326	0.8298
2937.4039	0.8280
2935.4752	0.8265
2933.5465	0.8254
2931.6178	0.8246
2929.6891	0.8242
2927.7604	0.8241
2925.8317	0.8243
2923.9030	0.8249
2921.9743	0.8260
2920.0456	0.8275
2918.1169	0.8295
2916.1882	0.8318
2914.2595	0.8342
2912.3308	0.8366
2910.4021	0.8386
2908.4734	0.8404
2906.5447	0.8419
2904.6161	0.8432
2902.6874	0.8444
2900.7587	0.8455
2898.8300	0.8465

2896.9013	0.8474
2894.9726	0.8483
2893.0439	0.8491
2891.1152	0.8499
2889.1865	0.8508
2887.2578	0.8518
2885.3291	0.8527
2883.4004	0.8537
2881.4717	0.8548
2879.5430	0.8560
2877.6143	0.8574
2875.6856	0.8589
2873.7569	0.8605
2871.8282	0.8623
2869.8995	0.8641
2867.9708	0.8659
2866.0421	0.8678
2864.1134	0.8696
2862.1847	0.8712
2860.2560	0.8726
2858.3274	0.8738
2856.3987	0.8749
2854.4700	0.8761
2852.5413	0.8775
2850.6126	0.8793
2848.6839	0.8815
2846.7552	0.8840
2844.8265	0.8863
2842.8978	0.8884
2840.9691	0.8904
2839.0404	0.8922
2837.1117	0.8938
2835.1830	0.8953
2833.2543	0.8966
2831.3256	0.8978
2829.3969	0.8990
2827.4682	0.9001
2825.5395	0.9013
2823.6108	0.9025
2821.6821	0.9037
2819.7534	0.9048
2817.8247	0.9058
2815.8960	0.9068
2813.9673	0.9078

2812.0387	0.9089
2810.1100	0.9099
2808.1813	0.9109
2806.2526	0.9118
2804.3239	0.9126
2802.3952	0.9135
2800.4665	0.9145
2798.5378	0.9154
2796.6091	0.9163
2794.6804	0.9171
2792.7517	0.9179
2790.8230	0.9186
2788.8943	0.9193
2786.9656	0.9199
2785.0369	0.9206
2783.1082	0.9213
2781.1795	0.9220
2779.2508	0.9226
2777.3221	0.9232
2775.3934	0.9237
2773.4647	0.9243
2771.5360	0.9249
2769.6073	0.9254
2767.6786	0.9260
2765.7499	0.9265
2763.8213	0.9269
2761.8926	0.9273
2759.9639	0.9278
2758.0352	0.9284
2756.1065	0.9289
2754.1778	0.9295
2752.2491	0.9300
2750.3204	0.9304
2748.3917	0.9308
2746.4630	0.9312
2744.5343	0.9316
2742.6056	0.9321
2740.6769	0.9326
2738.7482	0.9331
2736.8195	0.9335
2734.8908	0.9339
2732.9621	0.9344
2731.0334	0.9349
2729.1047	0.9355

2727.1760	0.9360
2725.2473	0.9365
2723.3186	0.9369
2721.3899	0.9373
2719.4612	0.9377
2717.5326	0.9383
2715.6039	0.9388
2713.6752	0.9393
2711.7465	0.9398
2709.8178	0.9402
2707.8891	0.9407
2705.9604	0.9411
2704.0317	0.9416
2702.1030	0.9421
2700.1743	0.9427
2698.2456	0.9432
2696.3169	0.9436
2694.3882	0.9441
2692.4595	0.9446
2690.5308	0.9451
2688.6021	0.9456
2686.6734	0.9461
2684.7447	0.9466
2682.8160	0.9471
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2675.1012	0.9493
2673.1725	0.9499
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2007.7725	0.9995
2005.8438	0.9996
2003.9151	0.9997
2001.9864	0.9998
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1986.5568	1.0000
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1978.8420	1.0001
1976.9133	1.0001
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1971.1272	1.0001
1969.1985	1.0001
1967.2698	1.0002
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1963.4124	1.0002
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1953.7690	1.0000
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1944.1255	1.0001
1942.1968	1.0001
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1346.2298	0.8905
1344.3011	0.8916
1342.3724	0.8926
1340.4437	0.8936
1338.5150	0.8945
1336.5863	0.8951
1334.6576	0.8957
1332.7289	0.8964
1330.8002	0.8972
1328.8715	0.8980
1326.9428	0.8989
1325.0141	0.8999
1323.0854	0.9008
1321.1567	0.9019
1319.2280	0.9030
1317.2993	0.9040
1315.3706	0.9048
1313.4419	0.9055
1311.5132	0.9061
1309.5845	0.9064
1307.6558	0.9068
1305.7271	0.9071
1303.7984	0.9075
1301.8697	0.9080
1299.9411	0.9086
1298.0124	0.9094
1296.0837	0.9101
1294.1550	0.9109
1292.2263	0.9116
1290.2976	0.9122
1288.3689	0.9128
1286.4402	0.9132

1284.5115	0.9135
1282.5828	0.9137
1280.6541	0.9138
1278.7254	0.9139
1276.7967	0.9140
1274.8680	0.9140
1272.9393	0.9137
1271.0106	0.9131
1269.0819	0.9121
1267.1532	0.9109
1265.2245	0.9097
1263.2958	0.9087
1261.3671	0.9080
1259.4384	0.9078
1257.5097	0.9078
1255.5810	0.9079
1253.6524	0.9081
1251.7237	0.9083
1249.7950	0.9084
1247.8663	0.9087
1245.9376	0.9090
1244.0089	0.9093
1242.0802	0.9096
1240.1515	0.9101
1238.2228	0.9108
1236.2941	0.9118
1234.3654	0.9130
1232.4367	0.9147
1230.5080	0.9165
1228.5793	0.9185
1226.6506	0.9205
1224.7219	0.9222
1222.7932	0.9237
1220.8645	0.9248
1218.9358	0.9255
1217.0071	0.9256
1215.0784	0.9252
1213.1497	0.9243
1211.2210	0.9230
1209.2923	0.9216
1207.3636	0.9203
1205.4350	0.9195
1203.5063	0.9193
1201.5776	0.9195

1199.6489	0.9202
1197.7202	0.9210
1195.7915	0.9216
1193.8628	0.9218
1191.9341	0.9213
1190.0054	0.9200
1188.0767	0.9175
1186.1480	0.9139
1184.2193	0.9091
1182.2906	0.9032
1180.3619	0.8962
1178.4332	0.8883
1176.5045	0.8795
1174.5758	0.8700
1172.6471	0.8596
1170.7184	0.8485
1168.7897	0.8369
1166.8610	0.8253
1164.9323	0.8142
1163.0036	0.8043
1161.0749	0.7959
1159.1463	0.7893
1157.2176	0.7845
1155.2889	0.7816
1153.3602	0.7806
1151.4315	0.7815
1149.5028	0.7839
1147.5741	0.7875
1145.6454	0.7917
1143.7167	0.7961
1141.7880	0.8002
1139.8593	0.8036
1137.9306	0.8059
1136.0019	0.8070
1134.0732	0.8068
1132.1445	0.8055
1130.2158	0.8035
1128.2871	0.8012
1126.3584	0.7988
1124.4297	0.7965
1122.5010	0.7941
1120.5723	0.7913
1118.6436	0.7879
1116.7149	0.7838

1114.7862	0.7792
1112.8575	0.7746
1110.9289	0.7702
1109.0002	0.7662
1107.0715	0.7626
1105.1428	0.7596
1103.2141	0.7571
1101.2854	0.7548
1099.3567	0.7524
1097.4280	0.7492
1095.4993	0.7451
1093.5706	0.7398
1091.6419	0.7334
1089.7132	0.7261
1087.7845	0.7185
1085.8558	0.7115
1083.9271	0.7057
1081.9984	0.7018
1080.0697	0.7004
1078.1410	0.7017
1076.2123	0.7057
1074.2836	0.7116
1072.3549	0.7179
1070.4262	0.7230
1068.4975	0.7258
1066.5688	0.7258
1064.6402	0.7232
1062.7115	0.7190
1060.7828	0.7137
1058.8541	0.7082
1056.9254	0.7028
1054.9967	0.6978
1053.0680	0.6931
1051.1393	0.6889
1049.2106	0.6850
1047.2819	0.6817
1045.3532	0.6790
1043.4245	0.6768
1041.4958	0.6751
1039.5671	0.6736
1037.6384	0.6723
1035.7097	0.6710
1033.7810	0.6695
1031.8523	0.6679

1029.9236	0.6661
1027.9949	0.6643
1026.0662	0.6630
1024.1375	0.6626
1022.2088	0.6635
1020.2801	0.6661
1018.3514	0.6704
1016.4228	0.6763
1014.4941	0.6833
1012.5654	0.6910
1010.6367	0.6988
1008.7080	0.7066
1006.7793	0.7141
1004.8506	0.7211
1002.9219	0.7275
1000.9932	0.7336
999.0645	0.7398
997.1358	0.7466
995.2071	0.7545
993.2784	0.7639
991.3497	0.7746
989.4210	0.7864
987.4923	0.7990
985.5636	0.8120
983.6349	0.8253
981.7062	0.8388
979.7775	0.8520
977.8488	0.8646
975.9201	0.8761
973.9914	0.8864
972.0627	0.8957
970.1341	0.9045
968.2054	0.9131
966.2767	0.9213
964.3480	0.9291
962.4193	0.9360
960.4906	0.9417
958.5619	0.9466
956.6332	0.9510
954.7045	0.9549
952.7758	0.9582
950.8471	0.9603
948.9184	0.9610
946.9897	0.9603

945.0610	0.9587
943.1323	0.9570
941.2036	0.9557
939.2749	0.9551
937.3462	0.9550
935.4175	0.9550
933.4888	0.9550
931.5601	0.9553
929.6314	0.9561
927.7027	0.9573
925.7740	0.9588
923.8453	0.9602
921.9167	0.9616
919.9880	0.9631
918.0593	0.9649
916.1306	0.9672
914.2019	0.9697
912.2732	0.9721
910.3445	0.9741
908.4158	0.9756
906.4871	0.9769
904.5584	0.9782
902.6297	0.9797
900.7010	0.9810
898.7723	0.9818
896.8436	0.9820
894.9149	0.9817
892.9862	0.9813
891.0575	0.9813
889.1288	0.9819
887.2001	0.9825
885.2714	0.9828
883.3427	0.9826
881.4140	0.9819
879.4853	0.9812
877.5566	0.9807
875.6280	0.9803
873.6993	0.9797
871.7706	0.9790
869.8419	0.9783
867.9132	0.9775
865.9845	0.9768
864.0558	0.9767
862.1271	0.9771

860.1984	0.9776
858.2697	0.9778
856.3410	0.9775
854.4123	0.9771
852.4836	0.9771
850.5549	0.9772
848.6262	0.9776
846.6975	0.9780
844.7688	0.9785
842.8401	0.9790
840.9114	0.9796
838.9827	0.9806
837.0540	0.9820
835.1253	0.9831
833.1966	0.9837
831.2679	0.9836
829.3392	0.9833
827.4106	0.9830
825.4819	0.9830
823.5532	0.9830
821.6245	0.9826
819.6958	0.9816
817.7671	0.9802
815.8384	0.9788
813.9097	0.9777
811.9810	0.9768
810.0523	0.9758
808.1236	0.9743
806.1949	0.9724
804.2662	0.9703
802.3375	0.9689
800.4088	0.9683
798.4801	0.9685
796.5514	0.9688
794.6227	0.9689
792.6940	0.9684
790.7653	0.9678
788.8366	0.9674
786.9079	0.9674
784.9792	0.9674
783.0505	0.9670
781.1219	0.9659
779.1932	0.9641
777.2645	0.9620

775.3358	0.9602
773.4071	0.9589
771.4784	0.9575
769.5497	0.9556
767.6210	0.9532
765.6923	0.9506
763.7636	0.9487
761.8349	0.9480
759.9062	0.9487
757.9775	0.9500
756.0488	0.9510
754.1201	0.9516
752.1914	0.9518
750.2627	0.9523
748.3340	0.9532
746.4053	0.9545
744.4766	0.9554
742.5479	0.9555
740.6192	0.9545
738.6905	0.9531
736.7618	0.9519
734.8331	0.9512
732.9045	0.9508
730.9758	0.9501
729.0471	0.9487
727.1184	0.9466
725.1897	0.9442
723.2610	0.9421
721.3323	0.9405
719.4036	0.9388
717.4749	0.9367
715.5462	0.9342
713.6175	0.9318
711.6888	0.9298
709.7601	0.9289
707.8314	0.9289
705.9027	0.9294
703.9740	0.9298
702.0453	0.9300
700.1166	0.9299
698.1879	0.9302
696.2592	0.9310
694.3305	0.9319
692.4018	0.9323

690.4731	0.9318
688.5444	0.9305
686.6158	0.9290
684.6871	0.9281
682.7584	0.9278
680.8297	0.9278
678.9010	0.9276
676.9723	0.9266
675.0436	0.9251
673.1149	0.9238
671.1862	0.9234
669.2575	0.9240
667.3288	0.9243
665.4001	0.9235
663.4714	0.9225
661.5427	0.9217
659.6140	0.9211
657.6853	0.9213
655.7566	0.9219
653.8279	0.9223
651.8992	0.9221
649.9705	0.9214
648.0418	0.9205
646.1131	0.9199
644.1844	0.9198
642.2557	0.9198
640.3270	0.9197
638.3984	0.9190
636.4697	0.9177
634.5410	0.9165
632.6123	0.9156
630.6836	0.9152
628.7549	0.9147
626.8262	0.9135
624.8975	0.9116
622.9688	0.9094
621.0401	0.9076
619.1114	0.9065
617.1827	0.9058
615.2540	0.9050
613.3253	0.9037
611.3966	0.9026
609.4679	0.9019
607.5392	0.9018

605.6105	0.9025
603.6818	0.9034
601.7531	0.9037
599.8244	0.9030
597.8957	0.9021
595.9670	0.9016
594.0383	0.9017
592.1097	0.9019
590.1810	0.9013
588.2523	0.8996
586.3236	0.8969
584.3949	0.8938
582.4662	0.8911
580.5375	0.8889
578.6088	0.8876
576.6801	0.8872
574.7514	0.8874
572.8227	0.8880
570.8940	0.8889
568.9653	0.8899
567.0366	0.8916
565.1079	0.8940
563.1792	0.8958
561.2505	0.8968
559.3218	0.8973
557.3931	0.8977
555.4644	0.8983
553.5357	0.8992
551.6070	0.8998
549.6783	0.8998
547.7496	0.8992
545.8209	0.8980
543.8923	0.8970
541.9636	0.8964
540.0349	0.8957
538.1062	0.8946
536.1775	0.8933
534.2488	0.8922
532.3201	0.8918
530.3914	0.8924
528.4627	0.8938
526.5340	0.8958
524.6053	0.8979
522.6766	0.8996

520.7479	0.9013
518.8192	0.9041
516.8905	0.9076
514.9618	0.9106
513.0331	0.9134
511.1044	0.9162
509.1757	0.9184
507.2470	0.9201
505.3183	0.9226
503.3896	0.9261
501.4609	0.9295
499.5322	0.9317
497.6036	0.9326
495.6749	0.9335
493.7462	0.9352
491.8175	0.9376
489.8888	0.9400
487.9601	0.9423
486.0314	0.9440
484.1027	0.9452
482.1740	0.9461
480.2453	0.9473
478.3166	0.9493
476.3879	0.9518
474.4592	0.9542
472.5305	0.9559
470.6018	0.9565
468.6731	0.9570
466.7444	0.9584
464.8157	0.9608
462.8870	0.9631
460.9583	0.9647
459.0296	0.9654
457.1009	0.9656
455.1722	0.9660
453.2435	0.9669
451.3148	0.9680
449.3862	0.9687
447.4575	0.9693
445.5288	0.9696
443.6001	0.9696
441.6714	0.9697
439.7427	0.9702
437.8140	0.9709

435.8853	0.9715
433.9566	0.9720
432.0279	0.9729
430.0992	0.9746
428.1705	0.9765
426.2418	0.9785
424.3131	0.9802
422.3844	0.9806
420.4557	0.9810
418.5270	0.9840
416.5983	0.9871
414.6696	0.9880
412.7409	0.9877
410.8122	0.9864
408.8835	0.9842
406.9548	0.9836
405.0261	0.9863
403.0975	0.9902
401.1688	0.9945
399.2401	1.0000

XRD

2θ	Intensity
5.0000	1062.0000
5.0190	1062.0000
5.0390	1062.0000
5.0580	1059.0000
5.0780	1055.0000
5.0970	1049.0000
5.1170	1045.0000
5.1360	1043.0000
5.1560	1044.0000
5.1750	1047.0000
5.1940	1050.0000
5.2140	1050.0000
5.2330	1047.0000
5.2530	1041.0000
5.2720	1033.0000
5.2920	1025.0000
5.3110	1020.0000
5.3310	1017.0000
5.3500	1016.0000
5.3690	1018.0000
5.3890	1020.0000
5.4080	1021.0000
5.4280	1022.0000
5.4470	1021.0000
5.4670	1019.0000
5.4860	1016.0000
5.5060	1012.0000
5.5250	1008.0000
5.5440	1005.0000
5.5640	1003.0000
5.5830	1004.0000
5.6030	1006.0000
5.6220	1010.0000
5.6420	1015.0000
5.6610	1019.0000
5.6810	1022.0000
5.7000	1023.0000
5.7190	1021.0000
5.7390	1017.0000
5.7580	1011.0000
5.7780	1005.0000
5.7970	998.0000

5.8170	991.0000
5.8360	985.0000
5.8560	978.0000
5.8750	972.0000
5.8940	966.0000
5.9140	961.0000
5.9330	958.0000
5.9530	957.0000
5.9720	959.0000
5.9920	961.0000
6.0110	965.0000
6.0310	967.0000
6.0500	968.0000
6.0690	968.0000
6.0890	965.0000
6.1080	961.0000
6.1280	957.0000
6.1470	953.0000
6.1670	950.0000
6.1860	949.0000
6.2060	949.0000
6.2250	950.0000
6.2440	951.0000
6.2640	952.0000
6.2830	951.0000
6.3030	950.0000
6.3220	949.0000
6.3420	948.0000
6.3610	947.0000
6.3810	949.0000
6.4000	951.0000
6.4190	954.0000
6.4390	957.0000
6.4580	959.0000
6.4780	959.0000
6.4970	956.0000
6.5170	953.0000
6.5360	948.0000
6.5560	944.0000
6.5750	941.0000
6.5940	938.0000
6.6140	936.0000
6.6330	934.0000
6.6530	932.0000

6.6720	930.0000
6.6920	930.0000
6.7110	930.0000
6.7310	932.0000
6.7500	934.0000
6.7690	936.0000
6.7890	935.0000
6.8080	933.0000
6.8280	927.0000
6.8470	920.0000
6.8670	912.0000
6.8860	904.0000
6.9060	897.0000
6.9250	891.0000
6.9440	886.0000
6.9640	882.0000
6.9830	876.0000
7.0030	871.0000
7.0220	867.0000
7.0420	864.0000
7.0610	864.0000
7.0810	866.0000
7.1000	871.0000
7.1190	878.0000
7.1390	884.0000
7.1580	889.0000
7.1780	892.0000
7.1970	893.0000
7.2170	893.0000
7.2360	892.0000
7.2560	890.0000
7.2750	889.0000
7.2940	890.0000
7.3140	891.0000
7.3330	894.0000
7.3530	896.0000
7.3720	896.0000
7.3920	894.0000
7.4110	888.0000
7.4310	880.0000
7.4500	871.0000
7.4690	863.0000
7.4890	856.0000
7.5080	852.0000

7.5280	852.0000
7.5470	854.0000
7.5670	859.0000
7.5860	863.0000
7.6060	868.0000
7.6250	870.0000
7.6440	870.0000
7.6640	867.0000
7.6830	863.0000
7.7030	858.0000
7.7220	854.0000
7.7420	849.0000
7.7610	845.0000
7.7810	840.0000
7.8000	836.0000
7.8190	832.0000
7.8390	830.0000
7.8580	829.0000
7.8780	829.0000
7.8970	831.0000
7.9170	832.0000
7.9360	832.0000
7.9560	830.0000
7.9750	828.0000
7.9940	825.0000
8.0140	824.0000
8.0330	824.0000
8.0530	826.0000
8.0720	829.0000
8.0920	831.0000
8.1110	834.0000
8.1310	835.0000
8.1500	836.0000
8.1690	837.0000
8.1890	838.0000
8.2080	839.0000
8.2280	840.0000
8.2470	840.0000
8.2670	838.0000
8.2860	834.0000
8.3060	828.0000
8.3250	821.0000
8.3440	813.0000
8.3640	805.0000

8.3830	800.0000
8.4030	797.0000
8.4220	795.0000
8.4420	795.0000
8.4610	796.0000
8.4810	796.0000
8.5000	796.0000
8.5190	795.0000
8.5390	793.0000
8.5580	792.0000
8.5780	791.0000
8.5970	791.0000
8.6170	792.0000
8.6360	793.0000
8.6560	794.0000
8.6750	796.0000
8.6940	798.0000
8.7140	799.0000
8.7330	799.0000
8.7530	796.0000
8.7720	791.0000
8.7920	784.0000
8.8110	777.0000
8.8310	769.0000
8.8500	763.0000
8.8690	758.0000
8.8890	755.0000
8.9080	753.0000
8.9280	751.0000
8.9470	749.0000
8.9670	749.0000
8.9860	750.0000
9.0060	754.0000
9.0250	760.0000
9.0440	769.0000
9.0640	778.0000
9.0830	783.0000
9.1030	785.0000
9.1220	781.0000
9.1420	773.0000
9.1610	762.0000
9.1810	751.0000
9.2000	742.0000
9.2190	737.0000

9.2390	736.0000
9.2580	738.0000
9.2780	742.0000
9.2970	747.0000
9.3170	752.0000
9.3360	755.0000
9.3560	756.0000
9.3750	755.0000
9.3940	751.0000
9.4140	747.0000
9.4330	743.0000
9.4530	741.0000
9.4720	740.0000
9.4920	741.0000
9.5110	743.0000
9.5310	746.0000
9.5500	748.0000
9.5690	749.0000
9.5890	748.0000
9.6080	745.0000
9.6280	740.0000
9.6470	735.0000
9.6670	729.0000
9.6860	726.0000
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79.1030 128.0000
79.1220 128.0000
79.1420 128.0000
79.1610 127.0000
79.1810 126.0000
79.2000 125.0000
79.2200 124.0000
79.2390 124.0000
79.2590 124.0000
79.2780 124.0000
79.2970 124.0000
79.3170 124.0000
79.3360 125.0000
79.3560 125.0000
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79.3950 126.0000
79.4140 126.0000
79.4340 125.0000
79.4530 124.0000
79.4720 123.0000
79.4920 121.0000
79.5110 120.0000
79.5310 120.0000
79.5500 120.0000
79.5700 121.0000
79.5890 123.0000
79.6090 126.0000
79.6280 128.0000
79.6470 130.0000
79.6670 130.0000
79.6860 130.0000
79.7060 129.0000
79.7250 128.0000
79.7450 127.0000
79.7640 127.0000
79.7840 128.0000
79.8030 130.0000
79.8220 132.0000
79.8420 134.0000
79.8610 135.0000
79.8810 135.0000
79.9000 133.0000
79.9200 132.0000
79.9390 130.0000
79.9590 128.0000
79.9780 128.0000
79.9970 128.0000

<i>Turicibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ralstonia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Christensenellaceae_R-7_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Prevotellaceae_Ga6A1_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lachnoclostridium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Odoribacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Coriobacteriaceae_UCG-002</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Herbaspirillum</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Eubacterium]_eligens_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Erysipelatoclostridium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Eubacterium]_ruminantium_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Dialister</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Mucispirillum</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lachnospiraceae_UCG-006</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>UCG-005</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Parasutterella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Holdemanella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Family_XIII_AD3011_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Weissella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Arthrobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pseudarthrobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Oscillibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Desulfovibrio</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Eubacterium]_fissicatena_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Ruminococcus]_torques_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Veillonella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Eubacterium]_xylanophilum_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>unidentified_Rhodospirillales</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Coproccoccus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Romboutsia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Phascolarctobacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Methanobrevibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Catenibacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lachnospiraceae_UCG-001</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>ASF356</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Anaerostipes</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Agathobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Eubacterium]_ventriosum_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ileibacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Intestinimonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Collinsella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microbacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Klebsiella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Delftia</i>	0.00	0.00	0.00	0.00	0.00	0.00

<i>Proteus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Allisonella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>GCA-900066575</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pyramidobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Anaerotruncus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Bacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Staphylococcus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Fusobacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Vagococcus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Dorea</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lachnospira</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Adlercreutzia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Paraprevotella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Burkholderia-Caballeronia-</i>						
<i>Paraburkholderia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Anaeroplasma</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Butyricicoccus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sutterella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Peptococcus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Moraxella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Carnobacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Eubacterium]_brachy_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Monoglobus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>CAG-352</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Enhydrobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>unidentified_Ruminococcaceae</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>unidentified_Lachnospiraceae</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Myroides</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Bilophila</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Peptostreptococcus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Haemophilus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Eubacterium]_nodatum_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Caldicoprobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>UCG-003</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>UBA1819</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Intestinibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lachnospiraceae_ND3007_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Megamonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lachnospiraceae_UCG-010</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Negativibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Mucilaginibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Eubacterium]_hallii_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Tuzzerella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lachnospiraceae_UCG-004</i>	0.00	0.00	0.00	0.00	0.00	0.00

<i>Eggerthella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Rikenella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Holdemania</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Anaerovorax</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Prevotella_7</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>CAG-56</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Erysipelotrichaceae_UCG-003</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Fusicatenibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Marvinbryantia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>unidentified_Christensenellaceae</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>UCG-009</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>unidentified_Mitochondria</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lacticaseibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Undibacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Leifsonia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Senegalimassilia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Rothia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Serratia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>c__Clostridia;g__unidentified_Rumino</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>coccaceae</i>						
<i>Family_XIII_UCG-001</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Leuconostoc</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Defluviitaleaceae_UCG-011</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Paludicola</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Acetitomaculum</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Eubacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Exiguobacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Aggregatibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>SWB02</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Thiopseudomonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Mangrovibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Harryflintia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>unidentified_Chloroplast</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Methylobacterium-Methylorubrum</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Flavonifractor</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Anaerofustis</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Liquorilactobacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Mycoplasma</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Achromobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Megasphaera</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Duganella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Macrococcus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Fermentimonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Clostridium_sensu_stricto_11</i>	0.00	0.00	0.00	0.00	0.00	0.00

<i>Ruminoflibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Coprobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ruminiclostridium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Aeromonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Amphibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Tyzzereella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candidatus_Soleaferrea</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Solobacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Comamonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Frisingicoccus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Endobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Neisseria</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>[Clostridium]_innocuum_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Selenomonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Phenylobacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lachnospiraceae_FCS020_group</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Stenotrophomonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Marinimicrobium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>A2</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Aquabacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Halocella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Clostridium_sensu_stricto_12</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Haloplasma</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candidatus_Stoquefichus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sporosarcina</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Anaplasma</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Skermanella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Schleiferilactobacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Paenibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>unidentified_Prevotellaceae</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Oribacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Actinomyces</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Taibaiella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Parvibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ercella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Shewanella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Gordonibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Rickettsia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pectinatus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Spirosoma</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candidatus_Arthromitus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Phoceia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium</i>	0.00	0.00	0.00	0.00	0.00	0.00

<i>Corynebacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Dietzia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>unidentified_Gastranaerophilales</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Luteibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Hymenobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pseudogracilibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Fibroacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kurthia</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Halomonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Gemella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Gaiella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Aminobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Tepidimicrobium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Olsenella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Epulopiscium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Papillibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Acetatifactor</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Arsenicococcus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Aliidiomarina</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Brevundimonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Fibrella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Novibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lactiplantibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Bryobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Acidicaldus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Acholeplasma</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ideonella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Roseimarinus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kribbella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>TM7x</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Cloacibacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candidatus_Solibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Nubsella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Cutibacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ammoniibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Gracilibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lysinibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Anaerococcus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Arcobacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Fournierella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sinomonas</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>MND1</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>UCG-012</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Flavobacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00

<i>Desulfohalotomaculum</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Hydrogenoanaerobacterium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>RB41</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Hydrogenispora</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Anaerostignum</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Brochothrix</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Acidibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Planktomarina</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Prevotella</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Nocardiopsis</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pygmaibacter</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Bradyrhizobium</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sinibacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Others</i>	0.42	0.26	0.31	0.31	0.30	0.25