

Figure S1: The Basic Local Alignment Search Tool (BLAST) of isolate BAC101, BAC102, BAC103 and BAC104

Sample: 4359174_RC167_LROR

File: D:\Ph D\photo-plate\New folder\New folder\1st_BASE_4359174_RC167_LROR.ab1



Descriptor Scientific Name	Max Score	Total Score	Query Cov	E value	Per. ident	Acc. Len
Penicillium Penicillium digitatum	1661	4980	98%	0	99.67	3175631
Penicillium Penicillium digitatum	1652	1652	97%	0	99.89	910
Penicillium Penicillium cellarum	1644	1644	98%	0	99.34	1514
Penicillium Penicillium polonicum	1644	1644	98%	0	99.34	1446
Penicillium Penicillium polonicum	1644	1644	98%	0	99.34	1593
Penicillium Penicillium neoechinulatum	1642	1642	97%	0	99.67	910
Penicillium Penicillium neoechinulatum	1642	1642	97%	0	99.67	910
Penicillium Penicillium cyclopium	1642	1642	97%	0	99.67	907
Penicillium Penicillium cyclopium	1642	1642	97%	0	99.67	910
Penicillium Penicillium commune	1642	1642	97%	0	99.67	911
Penicillium Penicillium freii	1640	1640	98%	0	99.56	909
Penicillium Penicillium freii	1640	1640	98%	0	99.56	909
Penicillium Penicillium kewense	1639	1639	97%	0	99.67	908
Penicillium Penicillium kewense	1639	1639	97%	0	99.67	908
Penicillium Penicillium commune	1639	1639	98%	0	99.56	910
Penicillium Penicillium sp. DTU1	1639	1639	98%	0	99.23	1685
Penicillium Penicillium solitum	1639	1639	98%	0	99.23	1686
Penicillium Penicillium solitum	1639	1639	98%	0	99.23	5683
Penicillium Penicillium caseifulvum	1637	1637	97%	0	99.55	910
Penicillium Penicillium sclerotigenum	1637	1637	97%	0	99.55	912
Penicillium Penicillium martensii	1637	1637	97%	0	99.55	908
Penicillium Penicillium caseifulvum	1637	1637	97%	0	99.55	910
Penicillium Penicillium sclerotigenum	1637	1637	97%	0	99.55	912
Penicillium Penicillium resticulosum	1637	1637	97%	0	99.55	911
Penicillium Penicillium ulaiense	1637	1637	97%	0	99.55	912
Penicillium Penicillium ulaiense	1637	1637	97%	0	99.55	919
Penicillium Penicillium albocoremium	1637	1637	97%	0	99.55	909
Penicillium Penicillium glandicola	1637	1637	97%	0	99.55	909
Penicillium Penicillium echinulatum	1637	1637	97%	0	99.55	910
Penicillium Penicillium italicum	1637	1637	97%	0	99.55	909
Penicillium Penicillium venetum	1637	1637	97%	0	99.66	906
Penicillium Penicillium aurantiocandidum	1637	1637	97%	0	99.55	910
Penicillium Penicillium echinulatum	1637	1637	97%	0	99.55	913
Penicillium Penicillium commune	1637	1637	97%	0	99.55	908
Penicillium Penicillium camemberti	1637	1637	97%	0	99.55	911
Penicillium Penicillium commune	1637	1637	97%	0	99.55	913
Penicillium Penicillium commune	1637	1637	98%	0	99.12	916
Penicillium Penicillium sp.	1637	1637	97%	0	99.66	900
uncultured uncultured fungus	1637	1637	97%	0	99.66	1452
Penicillium Penicillium commune	1635	1635	97%	0	99.55	908
Agaricales Agaricales sp.	1635	1635	97%	0	99.66	908
Penicillium Penicillium italicum	1635	1635	97%	0	99.55	907
Penicillium Penicillium sp. 5H1-P0-P5-3	1635	1635	98%	0	99.12	1622
Penicillium Penicillium commune	1633	1633	97%	0	99.44	910
Penicillium Penicillium solitum	1633	1633	98%	0	99.12	1504
Penicillium Penicillium solitum	1633	1633	98%	0	99.12	1633

Penicillium Penicillium sp. 5H1-M0-P8-2	1633	1633	98%	0	99.12	1563
Penicillium Penicillium osmophilum	1633	1633	98%	0	99.12	1358
Penicillium Penicillium crustosum	1631	1631	97%	0	99.44	908
Penicillium Penicillium sinaicum	1631	1631	97%	0	99.55	907
Penicillium Penicillium concentricum	1631	1631	97%	0	99.44	909
Penicillium Penicillium gladioli	1631	1631	97%	0	99.44	910
Penicillium Penicillium expansum	1631	1631	97%	0	99.44	915
Penicillium Penicillium hirsutum	1631	1631	97%	0	99.44	910
Penicillium Penicillium egyptiacum	1631	1631	97%	0	99.44	909
Penicillium Penicillium commune	1631	1631	97%	0	99.44	917
Penicillium Penicillium griseofulvum	1631	1631	97%	0	99.44	913
Penicillium Penicillium brevistipitatum	1631	1631	97%	0	99.44	909
Penicillium Penicillium crustosum	1631	1631	97%	0	99.44	908
Penicillium Penicillium paneum	1631	1631	97%	0	99.44	910
Penicillium Penicillium sinaicum	1631	1631	97%	0	99.55	907
Penicillium Penicillium italicum	1631	1631	97%	0	99.44	910
Penicillium Penicillium italicum	1631	1631	97%	0	99.44	909
Penicillium Penicillium concentricum	1631	1631	97%	0	99.44	909
Penicillium Penicillium crustosum	1631	1631	97%	0	99.44	911
Penicillium Penicillium roqueforti	1631	1631	97%	0	99.44	912
Penicillium Penicillium hordei	1631	1631	97%	0	99.44	910
Penicillium Penicillium turbatum	1631	1631	97%	0	99.44	909
Penicillium Penicillium estinogenum	1631	1631	97%	0	99.44	910
Penicillium Penicillium commune	1631	1631	97%	0	99.44	913
Penicillium Penicillium expansum	1631	1631	97%	0	99.44	915
Penicillium Penicillium gladioli	1631	1631	97%	0	99.44	908
Penicillium Penicillium ulaiense	1631	1631	97%	0	99.55	907
Penicillium Penicillium hirsutum	1631	1631	97%	0	99.44	910
Penicillium Penicillium egyptiacum	1631	1631	97%	0	99.44	909
Penicillium Penicillium palitans	1631	1631	97%	0	99.55	905
Penicillium Penicillium polonicum	1629	1629	97%	0	99.33	912
Penicillium Penicillium chrysogenum	1629	1629	97%	0	99.55	904
Penicillium Penicillium commune	1629	1629	97%	0	99.55	905
Penicillium Penicillium cavernicola	1628	1628	97%	0	99.44	905
Penicillium Penicillium verrucosum	1628	1628	97%	0	99.33	911
Penicillium Penicillium camemberti	1628	1628	97%	0	99.33	912
Penicillium Penicillium verrucosum	1628	1628	97%	0	99.33	910
Penicillium Penicillium commune	1628	1628	97%	0	99.44	909
Penicillium Penicillium roqueforti	1626	1626	97%	0	99.44	906
Penicillium Penicillium chrysogenum	1626	1626	97%	0	99.33	910
Penicillium Penicillium sp. DV-2018e	1626	1626	97%	0	99.33	908
Penicillium Penicillium desertorum	1626	1626	97%	0	99.33	909
Penicillium Penicillium dipodomyus	1626	1626	97%	0	99.33	912
Penicillium Penicillium chrysogenum	1626	1626	97%	0	99.33	908
Penicillium Penicillium solitum	1626	1626	97%	0	99.33	912
Penicillium Penicillium aurantiocandidum	1626	1626	97%	0	99.44	909
Penicillium Penicillium chrysogenum	1626	1626	97%	0	99.33	912

Penicillium Penicillium rubens	1626	1626	97%	0	99.33	914
Penicillium Penicillium chrysogenum	1626	1626	97%	0	99.33	911
Penicillium Penicillium glandicola	1626	1626	97%	0	99.33	911
Penicillium Penicillium chrysogenum	1626	1626	97%	0	99.33	909
Penicillium Penicillium roqueforti	1626	1626	97%	0	99.44	906
Penicillium Penicillium chrysogenum	1626	1626	97%	0	99.33	910
Penicillium Penicillium polonicum	1626	1626	97%	0	99.44	911

?

Accession

CP060778.1
MH874465.1
MG714818.1
KX958079.1
KX958077.1
NG_069811.1
MH873748.1
MH869430.1
NG_069644.1
MH866761.1
NG_069803.1
MH873468.1
NG_069698.1
MH869646.1
MH866570.1
OL711831.1
OL711782.1
JN642222.1
NG_069855.1
NG_069854.1
MH876656.1
MH874329.1
MH874325.1
MH874135.1
MH874111.1
MH874020.1
NG_069802.1
NG_069770.1
MH869422.1
MH869419.1
MH869236.1
MH867930.1
MH867912.1
MH867909.1
MH867905.1
MH867306.1
MH866530.1
KX424574.1
OU938776.1
MT252032.1
MN515259.1
MH872526.1
KM232463.1
MH869237.1
KX958078.1
KX958076.1

KM232457.1
JF922036.1
NG_069876.1
NG_069786.1
NG_069769.1
NG_069650.1
NG_069649.1
NG_069640.1
NG_069626.1
MH877787.1
MH876799.1
MH874729.1
MH874546.1
MH874324.1
MH873243.1
MH872711.1
MH872710.1
MH872701.1
MH872471.1
MH872470.1
MH870926.1
MH870886.1
MH869420.1
MH868412.1
MH867916.1
MH867789.1
MH867583.1
MH867582.1
MH866759.1
MH866128.1
MH870903.1
MH868743.1
MH867902.1
MH874315.1
MH872709.1
MH870632.1
MH870148.1
MH869425.1
NG_069624.1
MH876910.1
MH876803.1
MH876798.1
MH874450.1
MH874187.1
MH872706.1
MH872443.1
MH871087.1

MH868606.1

MH867935.1

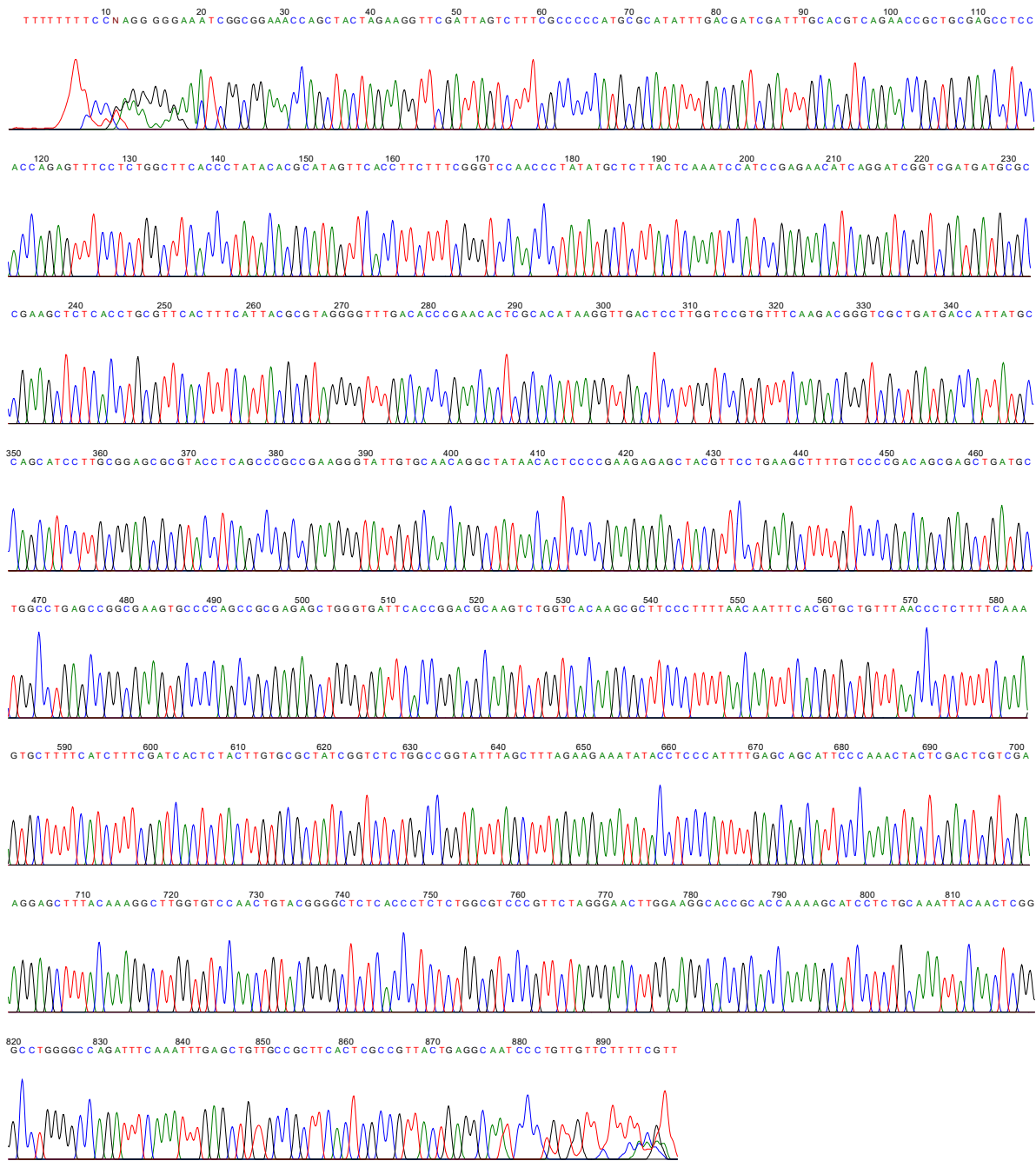
MH867919.1

MH867907.1

MH866573.1

MH866527.1

MH866462.1



Description	Scientific Name	Max Score	Total Score	Query Cov	E value	Per. ident
Colletotricl	Colletotrichum gloeosporioides	1585	1585	100%	0	99.88
Colletotricl	Colletotrichum gloeosporioides	1585	1585	100%	0	99.88
Colletotricl	Colletotrichum gloeosporioides	1585	1585	100%	0	99.88
Colletotricl	Colletotrichum sp. 1 NVL-2017	1585	1585	100%	0	99.88
Glomerella	Colletotrichum gloeosporioides	1585	1585	100%	0	99.88
Glomerella	Colletotrichum gloeosporioides	1585	1585	100%	0	99.88
Colletotricl	Colletotrichum gloeosporioides	1580	1580	100%	0	99.77
Colletotricl	Colletotrichum fructicola	1580	1580	100%	0	99.77
Colletotricl	Colletotrichum fructicola	1580	1580	100%	0	99.77
Colletotricl	Colletotrichum fructicola	1580	1580	100%	0	99.77
Colletotricl	Colletotrichum gloeosporioides	1580	1580	100%	0	99.77
Colletotricl	Colletotrichum fructicola	1580	1580	100%	0	99.77
Colletotricl	Colletotrichum fructicola	1580	1580	100%	0	99.77
Glomerella	Colletotrichum gloeosporioides	1580	1669	100%	0	99.77
Glomerella	Colletotrichum gloeosporioides	1580	1580	100%	0	99.77
Glomerella	Colletotrichum gloeosporioides	1580	1580	100%	0	99.77
Colletotricl	Colletotrichum musae	1576	1576	100%	0	99.65
Colletotricl	Colletotrichum lentis	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum tropicale	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum theobromicola	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum tropicale	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum lentis	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum acutatum	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum fragariae	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum gloeosporioides	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum siamense	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum fructicola	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum tropicale	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum theobromicola	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum theobromicola	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum alatae	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum fragariae	1574	1574	100%	0	99.65
Colletotricl	Colletotrichum sp.	1570	1570	100%	0	99.54
Colletotricl	Colletotrichum viniferum	1570	1570	100%	0	99.54
Glomerella	Colletotrichum gloeosporioides	1570	1570	99%	0	99.77
Colletotricl	Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Colletotricl	Colletotrichum acutatum	1568	1568	100%	0	99.54

Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Colletotricl Colletotrichum siamense	1568	1568	100%	0	99.54
Colletotricl Colletotrichum kahawae	1568	1568	100%	0	99.54
Colletotricl Colletotrichum fructicola	1568	1568	100%	0	99.54
Colletotricl Colletotrichum fructicola	1568	1568	100%	0	99.54
Colletotricl Colletotrichum theobromicola	1568	1568	100%	0	99.54
Colletotricl Colletotrichum theobromicola	1568	1568	100%	0	99.54
Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Glomerella Colletotrichum gloeosporioides	1568	1568	99%	0	99.77
Colletotricl Colletotrichum gloeosporioides	1568	1568	100%	0	99.54
Glomerella Colletotrichum gloeosporioides	1567	1567	100%	0	99.54
Colletotricl Colletotrichum gloeosporioides	1565	1565	100%	0	99.42
Colletotricl Colletotrichum tropicale	1565	1565	100%	0	99.42
Colletotricl Colletotrichum lentis	1563	1563	100%	0	99.42
Colletotricl Colletotrichum gloeosporioides	1563	1563	100%	0	99.42
Colletotricl Colletotrichum fragariae	1563	1563	100%	0	99.42
Colletotricl Colletotrichum gloeosporioides	1563	1563	100%	0	99.42
Colletotricl Colletotrichum fructicola	1563	1563	100%	0	99.42
Colletotricl Colletotrichum theobromicola	1563	1563	100%	0	99.42
Colletotricl Colletotrichum gloeosporioides	1563	1563	99%	0	99.65
Glomerella Colletotrichum gloeosporioides	1563	1563	99%	0	99.65
Colletotricl Colletotrichum gloeosporioides	1561	1561	100%	0	99.31
Colletotricl Colletotrichum gloeosporioides	1561	1561	98%	0	99.76
Colletotricl Colletotrichum gloeosporioides	1559	1559	100%	0	99.3
Glomerella Colletotrichum gloeosporioides	1559	1559	99%	0	99.65
Colletotricl Colletotrichum proteae	1557	1557	99%	0	99.3
Colletotricl Colletotrichum gloeosporioides	1557	1557	100%	0	99.3
Colletotricl Colletotrichum aotearoa	1557	1557	100%	0	99.3
Glomerella Colletotrichum camelliae	1557	1557	100%	0	99.3
Colletotricl Colletotrichum fructicola	1557	1557	98%	0	99.76
Glomerella Colletotrichum gloeosporioides	1557	1557	100%	0	99.3
Colletotricl Colletotrichum sp. MEP1525	1557	1557	98%	0	99.65
Colletotricl Colletotrichum temperatum (nom.inval.)	1554	1554	100%	0	99.19
Colletotricl Colletotrichum xanthorrhoeae	1552	1552	100%	0	99.19
Colletotricl Colletotrichum sp. ETHCTR157	1552	1552	98%	0	99.65
Colletotricl Colletotrichum gloeosporioides	1552	1552	98%	0	99.65
Colletotricl Colletotrichum gloeosporioides	1552	1552	97%	0	99.88
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100

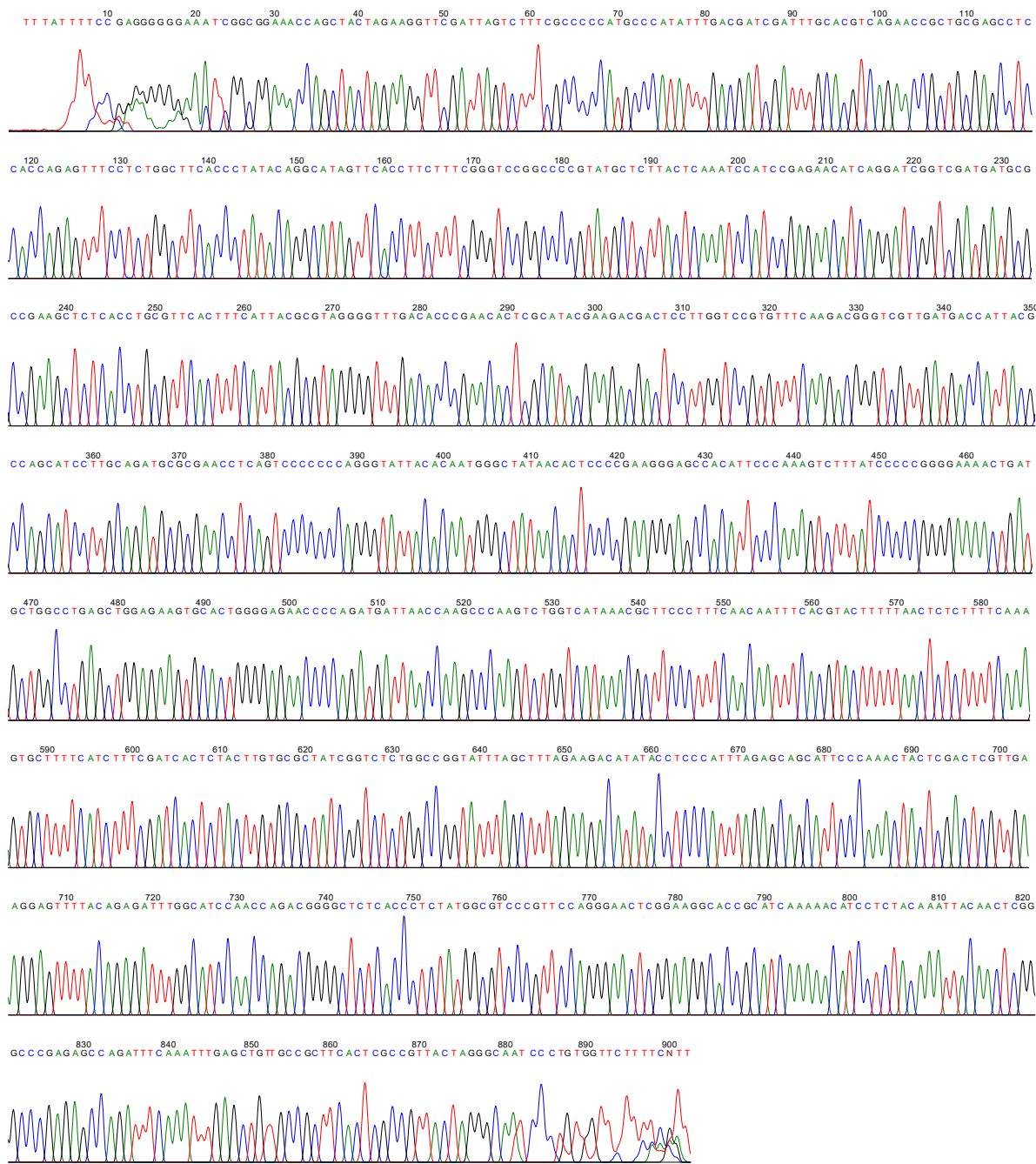
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100
Colletotricl Colletotrichum sp. ETHCTR156	1550	1550	97%	0	100
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100
Colletotricl Colletotrichum gloeosporioides	1550	1550	97%	0	100
Colletotricl Colletotrichum gloeosporioides	1519	1519	100%	0	97.79

?

Acc. Len	Accession
899	MH877122.1
897	MH876003.1
899	MH875028.1
890	LT965982.1
1333	DQ286193.1
1531	DQ286191.1
895	MH877487.1
895	MH877073.1
890	MH877035.1
898	MH877033.1
893	MH875306.1
894	MH874994.1
899	MH868040.1
1151	DQ286204.1
1600	DQ286197.1
886	AF543786.1
896	MH875030.1
899	NG_069981.1
896	MH877485.1
903	MH877138.1
896	MH877074.1
888	MH877034.1
895	MH876879.1
899	MH876065.1
897	MH876006.1
896	MH876005.1
898	MH876004.1
895	MH875998.1
892	MH875598.1
896	MH875311.1
897	MH875304.1
894	MH875302.1
892	MH875162.1
891	MH875161.1
890	MH875002.1
892	MH874991.1
890	MH874989.1
894	MH874983.1
894	MH874979.1
895	MH870668.1
894	MH866610.1
947	MK411296.1
896	MH877255.1
861	DQ286185.1
1156	MT372633.1
902	MH877942.1

900 MH877488.1
895 MH877484.1
902 MH876024.1
897 MH876001.1
896 MH875313.1
895 MH875309.1
896 MH875307.1
892 MH875001.1
893 MH874995.1
898 MH874993.1
892 MH874992.1
896 MH874982.1
890 MH874980.1
868 LN907324.1
955 DQ286201.1
1156 AY705727.1
986 U17403.1
896 MH877492.1
904 MH876947.1
900 MH876066.1
878 MH875600.1
898 MH875404.1
895 MH875310.1
893 MH874990.1
895 MH874981.1
1539 EU552111.1
916 DQ286181.1
900 MH877486.1
1374 FJ755268.1
900 MH877481.1
855 DQ286187.1
898 NG_067491.1
895 MH866367.1
886 MK431454.1
1684 KJ956044.1
890 OK638977.1
924 FJ588240.1
852 DQ286179.1
895 MH877532.1
898 NG_067465.1
866 KT282928.1
856 KT282884.1
843 JN940412.1
842 KT282956.1
842 KT282951.1
842 KT282949.1
842 KT282947.1

842 KT282944.1
842 KT282933.1
842 KT282927.1
842 KT282880.1
842 KT282879.1
842 KT282878.1
898 MH875029.1



Descriptor	Scientific Name	Max Score	Total Score	Query Cov	E value	Per. ident	Acc. Len
Fusarium l	Fusarium lateritium var. longum	1580	1580	100%	0	99.77	896
Fusarium s	Fusarium sarcochroum	1559	1559	99%	0	99.53	1423
Fusarium s	Fusarium sarcochroum	1555	1555	99%	0	99.53	1419
Fusarium s	Fusarium sarcochroum	1555	1555	99%	0	99.53	1420
Fusarium s	Fusarium sarcochroum	1555	1555	99%	0	99.53	1420
Chlorocilliu	Chlorocillium griseum	1554	1554	98%	0	99.65	873
Fusarium s	Fusarium sp.	1552	1552	100%	0	99.19	897
Fusarium x	Fusarium xylarioides	1550	1550	99%	0	99.19	906
Fusarium s	Fusarium sarcochroum	1550	1550	99%	0	99.41	1420
Fusarium s	Fusarium sarcochroum	1550	1550	99%	0	99.41	1417
Fusarium s	Fusarium sarcochroum	1550	1550	99%	0	99.41	1422
Fusarium l	Fusarium lateritium var. longum	1546	1546	100%	0	99.07	897
Fusarium c	Fusarium cassiae	1531	1531	98%	0	99.41	844
Fusarium c	Fusarium cassiae	1531	1531	98%	0	99.41	844
Fusarium c	Fusarium concentricum	1530	1530	100%	0	98.72	908
Fusarium c	Fusarium circinatum	1530	1530	100%	0	98.72	893
Fusarium s	Fusarium sp.	1530	1530	100%	0	98.72	903
Fusarium f	Fusarium fujikuroi	1530	1638	100%	0	98.72	5014829
Fusarium f	Fusarium fujikuroi	1530	1638	100%	0	98.72	5023961
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	1064
Fusarium v	Fusarium verticillioides	1530	1530	100%	0	98.72	897
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	894
Fusarium l	Fusarium lateritium var. longum	1530	1530	100%	0	98.72	929
Fusarium c	Fusarium oxysporum	1530	1530	100%	0	98.72	902
Fusarium v	Fusarium verticillioides	1530	1530	100%	0	98.72	899
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	882
Fusarium v	Fusarium werrikimbe	1530	1530	100%	0	98.72	894
Fusarium d	Fusarium dlamini	1530	1530	100%	0	98.72	900
Fusarium c	Fusarium concentricum	1530	1530	100%	0	98.72	908
Fusarium c	Fusarium circinatum	1530	1530	100%	0	98.72	893
Fusarium c	Fusarium concentricum	1530	1530	100%	0	98.72	899
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	895
Fusarium a	Fusarium annulatum	1530	1530	100%	0	98.72	899
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	898
Fusarium s	Fusarium sacchari	1530	1530	100%	0	98.72	898
Fusarium b	Fusarium bactridioides	1530	1530	100%	0	98.72	893
Fusarium s	Fusarium sambucinum	1530	1530	100%	0	98.72	896
Fusarium s	Fusarium sacchari	1530	1530	100%	0	98.72	895
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	895
Fusarium s	Fusarium sacchari	1530	1530	100%	0	98.72	901
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	897
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	898
Fusarium f	Fusarium fujikuroi	1530	1530	100%	0	98.72	896
Fusarium p	Fusarium proliferatum	1530	1530	100%	0	98.72	894
Fusarium s	Fusarium subglutinans	1530	1530	100%	0	98.72	1612
Fusarium s	Fusarium subglutinans	1530	1530	100%	0	98.72	1612

Fusarium p Fusarium proliferatum	1530	1530	100%	0	98.72	1624
Fusarium p Fusarium proliferatum	1530	1530	100%	0	98.72	1624
Fusarium p Fusarium proliferatum	1530	1530	100%	0	98.72	7932
Fusarium p Fusarium proliferatum	1530	1530	100%	0	98.72	7930
Fusarium a Fusarium annulatum	1530	1530	100%	0	98.72	1610
Fusarium f Fusarium fujikuroi IMI 58289	1530	1530	100%	0	98.72	5039041
Fusarium c Fusarium oxysporum	1530	1530	100%	0	98.72	1641
Fusarium s Fusarium sp. KANPR01	1530	1530	100%	0	98.72	1646
Fusarium k Fusarium bactridioides	1530	1530	100%	0	98.72	893
Fusarium s Fusarium sp. QJC-1403	1530	1530	100%	0	98.72	1729
Fusarium k Fusarium begoniae	1524	1524	100%	0	98.61	902
Fusarium s Fusarium sp.	1524	1524	100%	0	98.61	877
Fusarium c Fusarium oxysporum	1524	1524	100%	0	98.61	897
Fusarium v Fusarium verticillioides	1524	1524	100%	0	98.61	903
Fusarium p Fusarium proliferatum	1524	1524	100%	0	98.61	897
Fusarium k Fusarium burgessii	1524	1524	100%	0	98.61	898
Fusarium k Fusarium begoniae	1524	1524	100%	0	98.61	902
Fusarium s Fusarium sp.	1524	1524	100%	0	98.61	2732
Fusarium s Fusarium sp. AP.MSU3	1524	1524	100%	0	98.61	1652
Fusarium g Fusarium glycines	1524	1524	100%	0	98.61	1854
Fusarium n Fusarium magnoliae-champaca	1520	1520	98%	0	99.17	844
Fusarium a Fusarium anthophilum	1520	1520	99%	0	98.71	1410
Fusarium v Fusarium verticillioides	1520	1520	99%	0	98.6	906
Fusarium s Fusarium sacchari	1520	1520	100%	0	98.49	899
Fusarium n Fusarium magnoliae-champaca	1520	1520	98%	0	99.17	844
Fusarium p Fusarium pseudonygamai	1519	1519	100%	0	98.49	900
Fusarium d Fusarium denticulatum	1519	1519	100%	0	98.49	901
Melanospa Melanospora damnosa	1519	1519	100%	0	98.49	898
Fusarium v Fusarium verticillioides	1519	1519	100%	0	98.49	897
Fusarium c Fusarium oxysporum	1519	1519	100%	0	98.49	904
Fusarium p Fusarium pseudonygamai	1519	1519	100%	0	98.49	900
Fusarium d Fusarium denticulatum	1519	1519	100%	0	98.49	901
Fusarium v Fusarium verticillioides	1519	1519	100%	0	98.49	902
Fusarium p Fusarium proliferatum	1519	1519	100%	0	98.49	898
Fusarium r Fusarium redolens f. sp. dianthi	1519	1519	100%	0	98.49	897
Fusarium p Fusarium proliferatum	1519	1519	100%	0	98.49	896
Fusarium u Fusarium udum	1519	1519	100%	0	98.49	898
Fusicolla b Fusicolla betae	1519	1519	100%	0	98.49	896
Fusarium p Fusarium proliferatum	1519	1519	100%	0	98.49	904
Fusarium c Fusarium oxysporum	1519	1519	100%	0	98.49	1611
Fusarium v Fusarium verticillioides	1519	1519	100%	0	98.49	1612
Fusarium v Fusarium verticillioides 7600	1519	1519	100%	0	98.49	3678
Fusarium v Fusarium verticillioides 7600	1519	1519	100%	0	98.49	3679
Fusarium v Fusarium verticillioides 7600	1519	1519	100%	0	98.49	3693
Fusarium p Fusarium proliferatum	1519	1519	99%	0	98.71	1393
uncultured uncultured fungus	1519	1519	100%	0	98.49	1401
Gibberella Fusarium sp. WYZ2005	1519	1519	99%	0	98.83	860

Fusarium p Fusarium proliferatum	1517	1517	99%	0	98.71	1430
Fusarium p Fusarium proliferatum	1517	1517	99%	0	98.71	1422
Fusarium p Fusarium proliferatum	1517	1517	99%	0	98.71	1422
Fusarium p Fusarium proliferatum	1517	1517	99%	0	98.71	1420
Fusarium p Fusarium proliferatum	1517	1517	99%	0	98.71	1424
Fusarium n Fusarium mangiferae	1517	1517	100%	0	98.38	890
Fusarium f Fusarium fujikuroi	1517	1517	99%	0	98.71	881

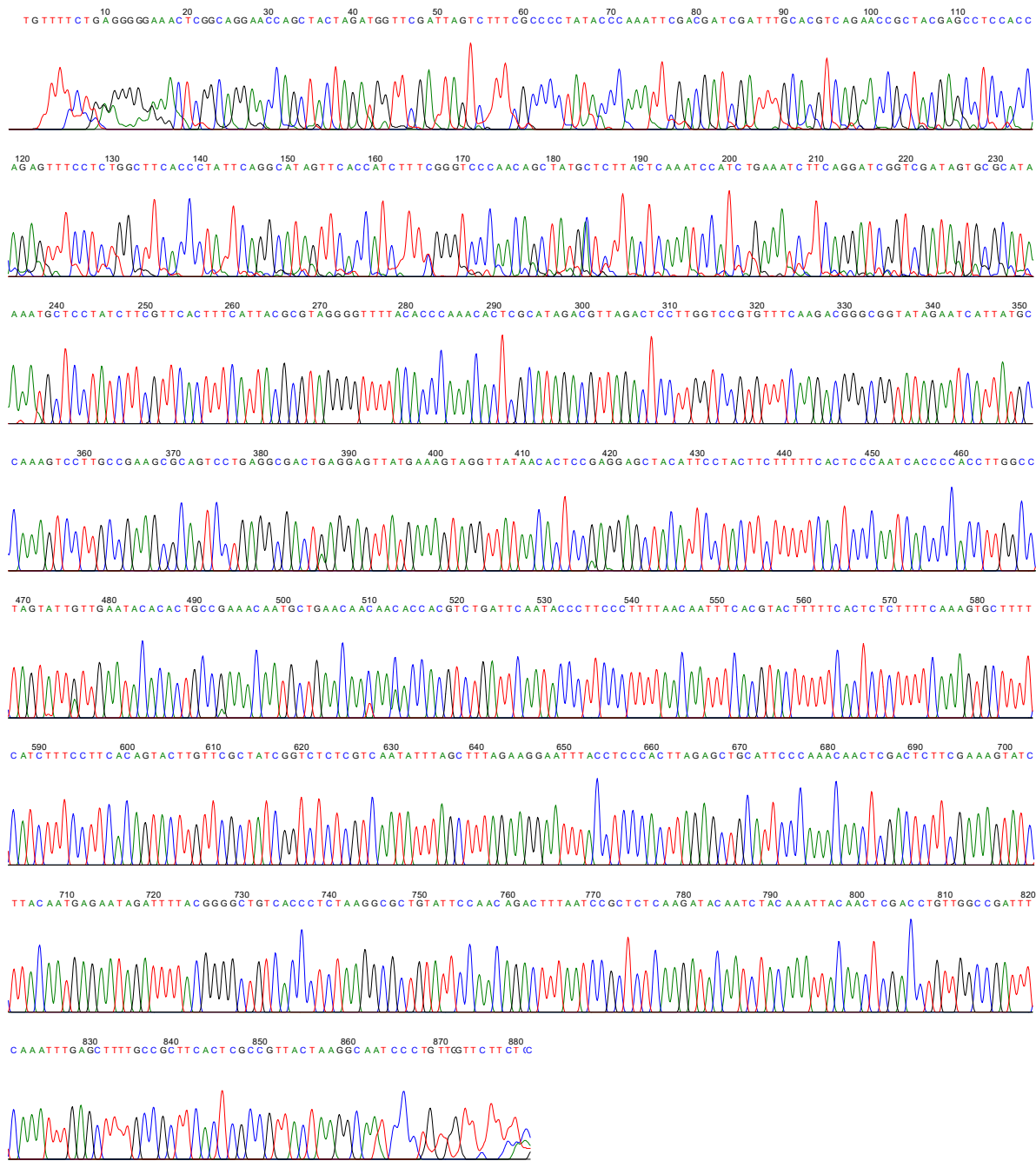
?

Accession

MH866621.1
LT746259.1
LT746260.1
LT746256.1
LT746255.1
MH872420.1
MT396166.1
MH872349.1
LT746261.1
LT746258.1
LT746257.1
MH872786.1
MT215546.1
NG_073860.1
NG_069847.1
NG_069843.1
MN515239.1
CP023090.1
CP023078.1
MF590160.1
MH877883.1
MH877359.1
MH877175.1
MH875963.1
MH875900.1
MH875105.1
MH875062.1
MH874276.1
MH874265.1
MH874260.1
MH873605.1
MH868862.1
MH868857.1
MH867442.1
MH867395.1
MH867139.1
MH866964.1
MH866853.1
MH866852.1
MH866723.1
MH866722.1
MH866554.1
MH866503.1
MH866404.1
MG274316.1
MG274315.1

MG274295.1
MG274294.1
LT841264.1
LT841250.1
OM837286.1
HF679024.1
KC119203.1
KC119197.1
NG_070565.1
EU193176.1
NG_069848.1
MN749523.1
MH876600.1
MH876164.1
MH875106.1
MH875064.1
MH874266.1
MH990626.1
KT282392.1
OM837278.1
MT215547.1
LS422778.1
MH875836.1
MH866854.1
NG_073861.1
NG_069846.1
NG_069844.1
MH878307.1
MH877174.1
MH876100.1
MH874263.1
MH874261.1
MH872939.1
MH870056.1
MH869606.1
MH867142.1
MH866719.1
MH866717.1
MH866624.1
MG274310.1
MG274298.1
XR_001989346.1
XR_001989352.1
XR_001989354.1
KT462721.1
OU940389.1
DQ119557.1

LS422788.1
LS422786.1
LS422785.1
LS422784.1
LS422783.1
MH874620.1
MT705246.1



Descriptor Scientific Name	Max Score	Total Score	Query Cov	E value	Per. ident	Acc. Len
Galactomy Geotrichum candidum	1391	1391	100%	0	96.77	5126
Galactomy Geotrichum candidum	1391	1391	100%	0	96.77	2864
Geotrichur Geotrichum candidum	1386	1386	99%	0	96.64	849
Geotrichur Geotrichum candidum	1386	1386	99%	0	96.64	848
Geotrichur Geotrichum candidum	1386	1386	99%	0	96.64	850
Galactomy Geotrichum candidum	1382	1382	100%	0	96.53	5126
Galactomy Geotrichum candidum	1382	1382	100%	0	96.53	5126
Galactomy Geotrichum candidum	1382	1382	100%	0	96.53	5126
Geotrichur Geotrichum candidum	1380	1380	100%	0	96.53	1239
Galactomy Geotrichum candidum	1380	1380	100%	0	96.41	5126
Galactomy Geotrichum candidum	1378	1378	100%	0	96.42	3224
Galactomy Geotrichum candidum	1378	1378	100%	0	96.42	857
Geotrichur Geotrichum sp. ZSMS-2021a	1376	1376	100%	0	96.41	1016
Galactomy Geotrichum candidum	1376	1376	100%	0	96.41	5126
Galactomy Geotrichum candidum	1375	1375	100%	0	96.41	5126
Galactomy Geotrichum candidum	1375	1375	100%	0	96.41	5126
Galactomy Geotrichum candidum	1375	1375	100%	0	96.41	5126
Galactomy Geotrichum candidum	1375	1375	100%	0	96.41	5126
Galactomy Geotrichum candidum	1375	1375	100%	0	96.29	5126
Geotrichur Geotrichum sp.	1375	1375	100%	0	96.41	5121
Galactomy Geotrichum candidum	1373	1373	100%	0	96.29	5126
Galactomy Geotrichum candidum	1373	1373	100%	0	96.29	5126
Galactomy Geotrichum candidum	1373	1373	100%	0	96.29	5126
Galactomy Geotrichum candidum	1373	1373	100%	0	96.29	5126
Galactomy Geotrichum candidum	1373	1373	100%	0	96.29	5126
Galactomy Geotrichum candidum	1369	1369	100%	0	96.29	5126
Galactomy Geotrichum candidum	1369	1369	100%	0	96.29	5126
Galactomy Geotrichum candidum	1365	1365	98%	0	96.6	1159
Geotrichur Geotrichum sp.	1362	1362	98%	0	96.48	835
Galactomy Galactomyces reessii	1358	1358	97%	0	96.81	822
Galactomy Geotrichum candidum	1352	1352	98%	0	96.25	931
Geotrichur Geotrichum sp.	1352	1352	98%	0	96.36	832
Galactomy Geotrichum candidum	1339	1339	98%	0	95.99	827
Galactomy Geotrichum candidum	1336	1336	98%	0	95.99	823
Galactomy Geotrichum candidum	1328	1328	97%	0	96.19	820
Geotrichur Geotrichum candidum	1325	1325	96%	0	96.29	807
Geotrichur Geotrichum sp.	1325	1325	97%	0	96.07	811
Galactomy Geotrichum candidum	1304	1304	96%	0	95.91	806
Geotrichur Geotrichum candidum	1286	1286	93%	0	96.3	783
Geotrichur Geotrichum candidum	1275	1275	92%	0	96.62	768
Geotrichur Geotrichum candidum	1269	1269	92%	0	96.37	771
Galactomy Geotrichum candidum	1264	1264	94%	0	95.58	788
Galactomy Geotrichum candidum	1260	1260	92%	0	96.12	773
Galactomy Geotrichum candidum	1256	1256	92%	0	95.99	773
Geotrichur Geotrichum candidum	1253	1253	92%	0	96.1	768
Galactomy Geotrichum candidum	1249	1249	91%	0	96.2	763

[illegible]

Unculturec uncultured fungus	924	924	67%	0	96.12	608
Geotrichur Geotrichum candidum	922	922	67%	0	96.26	596
Geotrichur Geotrichum candidum	920	920	67%	0	96.26	588
Unculturec uncultured fungus	920	920	67%	0	96.26	588
Unculturec uncultured fungus	920	920	67%	0	95.94	609
Unculturec uncultured fungus	920	920	67%	0	95.94	609
Unculturec uncultured fungus	920	920	67%	0	95.94	609

?

Accession

JQ668740.1
GQ458034.1
MN496465.1
MN496457.1
MN496453.1
JF262185.1
JF262183.1
JF262181.1
KF112070.1
JQ668739.1
JQ689071.1
JN938931.1
MZ734308.1
JF262187.1
JF262197.1
JF262196.1
JF262195.1
JF262189.1
JF262188.1
MN068407.1
JF262193.1
JF262192.1
JF262191.1
JF262186.1
JF262182.1
JF262190.1
JF262180.1
MH000322.1
MT312851.1
NG_055388.1
MK350343.1
MT548641.1
JN938880.1
MK350344.1
JN974274.1
MT212232.1
MF381140.1
MK350347.1
MT211563.1
KJ635817.1
MT211571.1
MK350345.1
JN974282.1
JN974263.1
MT212722.1
JN974269.1

JN974284.1
MT211565.1
NG_055387.1
JN974266.1
JN974273.1
MT211569.1
JN974278.1
JN974267.1
NG_066154.1
GU597326.1
MT211559.1
JN974268.1
KY107740.1
JN974285.1
OK094899.1
MK834543.1
MK350342.1
MZ221761.1
MH130277.1
OL589283.1
KY107743.1
MH130276.1
NG_058292.1
MH130272.1
U84233.1
MZ540816.1
JN974277.1
DQ900953.1
JN974280.1
KY107748.1
MH048073.1
AY464899.1
AY464879.1
DQ365414.1
KY992078.1
AY536700.1
AY536691.1
AY464916.1
AY464908.1
AY464906.1
AY464896.1
AY464883.1
AY464882.1
DQ365495.1
DQ365480.1
DQ365410.1
DQ365404.1

DQ365367.1

KP017413.1

KY486784.1

JQ267466.1

AY536699.1

AY536694.1

AY464930.1

Table S1: Student t-test of 2 biological samples for in vivo study of essential oil on 'Sai-Namphaung' tangerine

T-Test

[DataSet3] D:\Ph D\paper\manuscript\invivo.sav

Group Statistics

	orange	N	Mean	Std. Deviation	Std. Error Mean
measure	or1	90	28.0376	19.70182	2.07675
	or2	90	23.0180	20.82694	2.19535

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
measure	Equal variances assumed	3.464	.064	1.661	178
	Equal variances not assumed			1.661	177.454

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
measure	Equal variances assumed	.049	.098	5.01956	3.02200
	Equal variances not assumed	.049	.098	5.01956	3.02200

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
measure	Equal variances assumed	-.94400	10.98311
	Equal variances not assumed	-.94413	10.98324

Independent Samples Effect Sizes

				95% Confidence Interval	
Standardizer ^a			Point Estimate	Lower	Upper
measure	Cohen's d	20.27219	.248	-.046	.541
	Hedges' correction	20.35811	.247	-.046	.538
	Glass's delta	20.82694	.241	-.054	.535

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
day	1	day2	60
	2	day3	60
	3	day4	60
treatment	1	ctrl	36
	2	sai	36
	3	free	36
	4	com	36
	5	mk	36

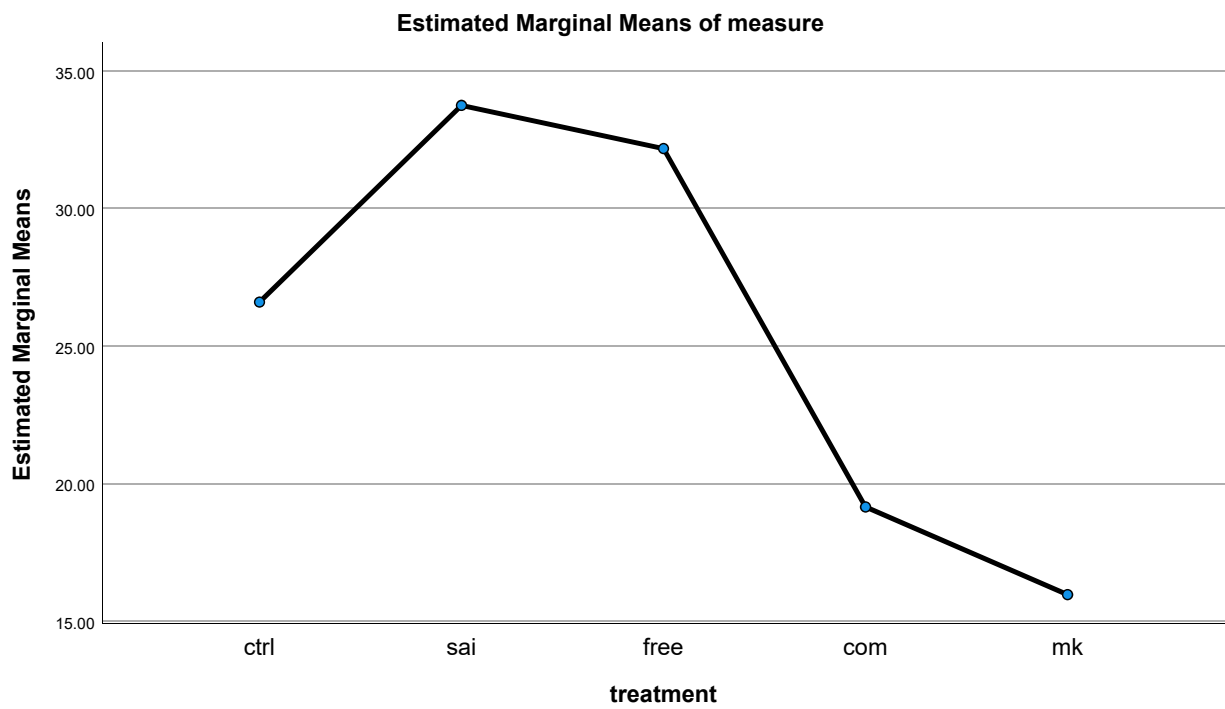
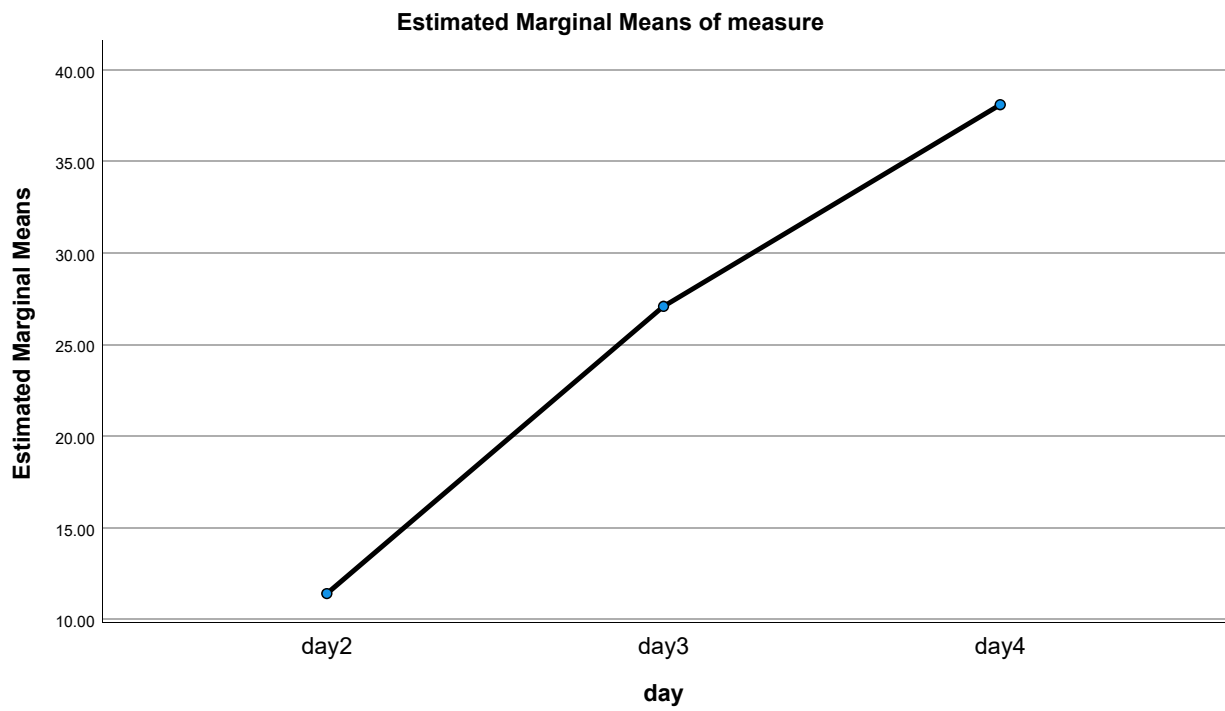
Tests of Between-Subjects Effects

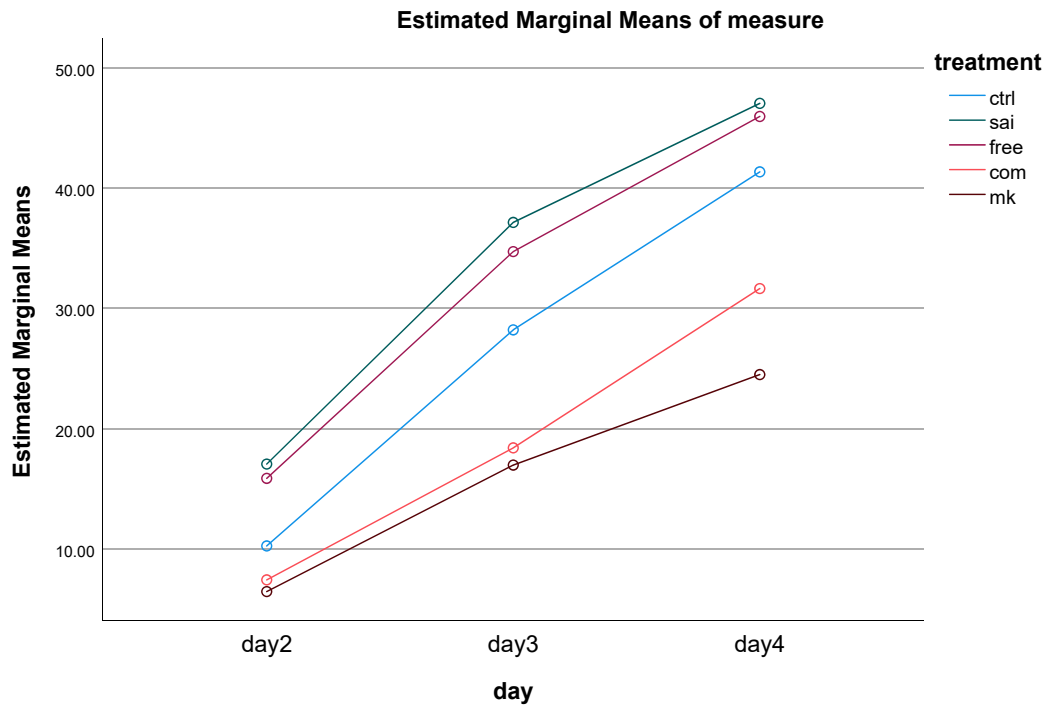
Dependent Variable: measure

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	31319.198 ^a	14	2237.086	8.591	<.001
Intercept	117300.139	1	117300.139	450.464	<.001
day	21586.479	2	10793.239	41.449	<.001
treatment	8815.592	4	2203.898	8.464	<.001
day * treatment	917.127	8	114.641	.440	.895
Error	42965.796	165	260.399		
Total	191585.133	180			
Corrected Total	74284.994	179			

a. R Squared = .422 (Adjusted R Squared = .373)

Profile Plots





T-Test

Group Statistics

org		N	Mean	Std. Deviation	Std. Error Mean
meas	or1	6	6.7133	16.44424	6.71333
	or2	6	13.7717	21.40966	8.74046

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
meas	Equal variances assumed	1.775	.212	-.640	10
	Equal variances not assumed			-.640	9.376

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
meas	Equal variances assumed	.268	.536	-7.05833	11.02109
	Equal variances not assumed	.269	.537	-7.05833	11.02109

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
meas	Equal variances assumed	-31.61485	17.49818
	Equal variances not assumed	-31.83807	17.72140

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
meas	Cohen's d		19.08909	-.370	-1.504	.782
	Hedges' correction		20.68727	-.341	-1.387	.722
	Glass's delta		21.40966	-.330	-1.463	.835

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

[DataSet1]

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	3.6867	2.02698	1.17028
	2.00	3	8.2767	1.00570	.58064

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	.953	.384	-3.513	4
	Equal variances not assumed			-3.513	2.928

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.012	.025	-4.59000	1.30640
	Equal variances not assumed	.020	.041	-4.59000	1.30640

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-8.21716	-.96284
	Equal variances not assumed	-8.80564	-.37436

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
mea	Cohen's d		1.60001	-2.869	-5.303	-.317
	Hedges' correction		2.00532	-2.289	-4.231	-.253
	Glass's delta		1.00570	-4.564	-9.004	-.272

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	3.5200	1.94198	1.12120
	2.00	3	7.1053	1.15229	.66527

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	1.867	.244	-2.750	4
	Equal variances not assumed			-2.750	3.253

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.026	.051	-3.58533	1.30372
	Equal variances not assumed	.032	.065	-3.58533	1.30372

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-7.20504	.03438
	Equal variances not assumed	-7.55766	.38700

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
mea	Cohen's d	1.59673	-2.245	-4.373	.012
	Hedges' correction	2.00120	-1.792	-3.489	.009
	Glass's delta	1.15229	-3.111	-6.318	.115

- a. The denominator used in estimating the effect sizes.
 Cohen's d uses the pooled standard deviation.
 Hedges' correction uses the pooled standard deviation, plus a correction factor.
 Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	2.9467	2.58786	1.49410
	2.00	3	8.2567	5.21316	3.00982

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	1.780	.253	-1.580	4
	Equal variances not assumed			-1.580	2.929

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.095	.189	-5.31000	3.36026
	Equal variances not assumed	.107	.214	-5.31000	3.36026

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-14.63958	4.01958
	Equal variances not assumed	-16.15144	5.53144

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
mea	Cohen's d		4.11546	-1.290	-3.050	.586
	Hedges' correction		5.15797	-1.029	-2.434	.468
	Glass's delta		5.21316	-1.019	-2.787	.910

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	4.2633	.35346	.20407
	2.00	3	5.2333	1.23294	.71184

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	6.182	.068	-1.310	4
	Equal variances not assumed			-1.310	2.327

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.130	.260	-.97000	.74051
	Equal variances not assumed	.152	.305	-.97000	.74051

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-3.02599	1.08599
	Equal variances not assumed	-3.76376	1.82376

Independent Samples Effect Sizes

				95% Confidence Interval	
Standardizer ^a			Point Estimate	Lower	Upper
mea	Cohen's d	.90694	-1.070	-2.770	.736
	Hedges' correction	1.13668	-.853	-2.210	.587
	Glass's delta	1.23294	-.787	-2.468	1.037

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	4.1667	.37018	.21372
	2.00	3	5.7167	.62931	.36333

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	1.523	.285	-3.677	4
	Equal variances not assumed			-3.677	3.236

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.011	.021	-1.55000	.42153
	Equal variances not assumed	.015	.031	-1.55000	.42153

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-2.72036	-.37964
	Equal variances not assumed	-2.83780	-.26220

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
mea	Cohen's d		.51627	-3.002	-5.507	-.384
	Hedges' correction		.64705	-2.395	-4.394	-.306
	Glass's delta		.62931	-2.463	-5.154	.318

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	3.7933	.36143	.20867
	2.00	3	4.6467	.32501	.18765

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	.195	.681	-3.041	4
	Equal variances not assumed			-3.041	3.956

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.019	.038	-.85333	.28063
	Equal variances not assumed	.019	.039	-.85333	.28063

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-1.63250	-.07417
	Equal variances not assumed	-1.63595	-.07072

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
mea	Cohen's d	.34371	-2.483	-4.723	-.117
	Hedges' correction	.43077	-1.981	-3.768	-.093
	Glass's delta	.32501	-2.626	-5.442	.264

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	1.8767	.22811	.13170
	2.00	3	4.4200	4.02060	2.32129

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	7.321	.054	-1.094	4
	Equal variances not assumed			-1.094	2.013

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.168	.335	-2.54333	2.32503
	Equal variances not assumed	.194	.388	-2.54333	2.32503

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-8.99864	3.91197
	Equal variances not assumed	-12.48604	7.39937

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
mea	Cohen's d		2.84756	-.893	-2.555	.861
	Hedges' correction		3.56889	-.713	-2.039	.687
	Glass's delta		4.02060	-.633	-2.271	1.130

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	1.9900	.35000	.20207
	2.00	3	4.9433	2.91733	1.68432

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	4.386	.104	-1.741	4
	Equal variances not assumed			-1.741	2.058

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.078	.157	-2.95333	1.69640
	Equal variances not assumed	.110	.220	-2.95333	1.69640

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-7.66330	1.75663
	Equal variances not assumed	-10.06013	4.15346

Independent Samples Effect Sizes

				95% Confidence Interval	
Standardizer ^a			Point Estimate	Lower	Upper
mea	Cohen's d	2.07766	-1.421	-3.222	.501
	Hedges' correction	2.60396	-1.134	-2.571	.399
	Glass's delta	2.91733	-1.012	-2.778	.913

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	.0000	.00000	.00000
	2.00	3	3.7733	3.48463	2.01185

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	7.162	.055	-1.876	4
	Equal variances not assumed			-1.876	2.000

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.067	.134	-3.77333	2.01185
	Equal variances not assumed	.101	.202	-3.77333	2.01185

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-9.35913	1.81246
	Equal variances not assumed	-12.42963	4.88296

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
mea	Cohen's d		2.46400	-1.531	-3.369	.431
	Hedges' correction		3.08817	-1.222	-2.688	.344
	Glass's delta		3.48463	-1.083	-2.880	.877

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	3.2267	2.80938	1.62200
	2.00	3	5.4067	.75302	.43475

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	7.239	.055	-1.298	4
	Equal variances not assumed			-1.298	2.286

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.132	.264	-2.18000	1.67925
	Equal variances not assumed	.155	.310	-2.18000	1.67925

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-6.84235	2.48235
	Equal variances not assumed	-8.60475	4.24475

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
mea	Cohen's d	2.05666	-1.060	-2.758	.742
	Hedges' correction	2.57764	-.846	-2.201	.592
	Glass's delta	.75302	-2.895	-5.926	.180

- a. The denominator used in estimating the effect sizes.
 Cohen's d uses the pooled standard deviation.
 Hedges' correction uses the pooled standard deviation, plus a correction factor.
 Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	2.7533	2.38699	1.37813
	2.00	3	4.2500	.75941	.43844

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	6.479	.064	-1.035	4
	Equal variances not assumed			-1.035	2.401

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.180	.359	-1.49667	1.44619
	Equal variances not assumed	.197	.394	-1.49667	1.44619

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-5.51195	2.51861
	Equal variances not assumed	-6.82246	3.82913

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
mea	Cohen's d		1.77122	-.845	-2.498	.897
	Hedges' correction		2.21989	-.674	-1.993	.715
	Glass's delta		.75941	-1.971	-4.298	.492

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	2.7633	2.45439	1.41704
	2.00	3	4.2167	.29501	.17033

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	8.436	.044	-1.018	4
	Equal variances not assumed			-1.018	2.058

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.183	.366	-1.45333	1.42724
	Equal variances not assumed	.207	.413	-1.45333	1.42724

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-5.41599	2.50933
	Equal variances not assumed	-7.43195	4.52529

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
mea	Cohen's d	1.74801	-.831	-2.482	.907
	Hedges' correction	2.19080	-.663	-1.980	.723
	Glass's delta	.29501	-4.926	-9.683	-.358

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	3.1267	.46576	.26891
	2.00	3	3.3700	.55000	.31754

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	.003	.960	-.585	4
	Equal variances not assumed			-.585	3.894

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.295	.590	-.24333	.41611
	Equal variances not assumed	.295	.591	-.24333	.41611

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-1.39863	.91196
	Equal variances not assumed	-1.41110	.92443

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
mea	Cohen's d		.50962	-.477	-2.082	1.182
	Hedges' correction		.63872	-.381	-1.661	.943
	Glass's delta		.55000	-.442	-2.046	1.254

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	2.2733	.07234	.04177
	2.00	3	2.5900	.39962	.23072

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	4.326	.106	-1.351	4
	Equal variances not assumed			-1.351	2.131

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.124	.248	-.31667	.23447
	Equal variances not assumed	.151	.302	-.31667	.23447

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-.96767	.33434
	Equal variances not assumed	-1.26839	.63505

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
mea	Cohen's d	.28717	-1.103	-2.811	.713
	Hedges' correction	.35991	-.880	-2.243	.569
	Glass's delta	.39962	-.792	-2.476	1.034

- a. The denominator used in estimating the effect sizes.
 Cohen's d uses the pooled standard deviation.
 Hedges' correction uses the pooled standard deviation, plus a correction factor.
 Glass's delta uses the sample standard deviation of the control group.

T-Test

Group Statistics

	ora	N	Mean	Std. Deviation	Std. Error Mean
mea	1.00	3	2.2733	.59911	.34590
	2.00	3	2.4633	.40464	.23362

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
mea	Equal variances assumed	.657	.463	-.455	4
	Equal variances not assumed			-.455	3.510

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
mea	Equal variances assumed	.336	.673	-.19000	.41740
	Equal variances not assumed	.338	.676	-.19000	.41740

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
mea	Equal variances assumed	-1.34889	.96889
	Equal variances not assumed	-1.41550	1.03550

Independent Samples Effect Sizes

				95% Confidence Interval		
			Standardizer ^a	Point Estimate	Lower	Upper
mea	Cohen's d		.51121	-.372	-1.969	1.270
	Hedges' correction		.64070	-.297	-1.571	1.013
	Glass's delta		.40464	-.470	-2.077	1.236

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.