

#NEXUS

Begin data;  
Dimensions ntax=69 nchar=2059;  
Format datatype=dna interleave gap=-;  
Matrix

UDB011691\_Lactarius\_luridus -----GTAAAGTCGAACAAGGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
GU234051\_Lactarius\_pseudouvidu -----ACAAGGTTTCNTGTAGGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
KJ742405\_Lactarius\_luridus -----TGAGAAGTAAAAGTCGTAACAAGGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
KF241547\_Lactarius\_luridus -----TTTGAGAAGTAAAAGTCGTAACAAGGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-CGAGGCATGC  
UDB023551\_Lactarius\_luridus -----GGTGAACCTCGGGAGGATCATTA-TCGTAC-AAAATGTGT-TGAGGCATGC  
KJ742406\_Lactarius\_luridus -----ACAAGGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
KJ742407\_Lactarius\_luridus -----CGGAAGGATCATTA-TCGTACAAAAATGTGT-YGAGGCATGC  
UDB023493\_Lactarius\_luridus -----GGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
KJ742403\_Lactarius\_luridus -----AAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
KJ742404\_Lactarius\_luridus -----CTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
KJ742402\_Lactarius\_luridus -----GGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
JX625292\_Uncultured\_Lactarius -----TCGTACAAAAATGTGT-CGAGGCATGC  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED -----TCGTACAAAAATGTGT-CGAGGCATGC  
KM576498\_Lactarius\_sp -----CATTA-TCGTACAAAAATGTGT-YGAGGCATGC  
KJ742411\_Lactarius\_sp -----GTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
KJ742392\_Lactarius\_brunneoviol -----GATCATTATCGTACAAAAATGTGT-TGAGGCATGC  
KJ742393\_Lactarius\_brunneoviol -----GAAGTAAAAGTCGTAACAAGGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-TGAGGCATGC  
KJ742390\_Lactarius\_aspideus -----AAATGTGT-TGAGGCATGC  
UDB019724\_Lactarius\_aspideus -----GGTGAACCTCGGGAGGATCATTATCGTAACAAAAATGTGT-TGAGGCATGC  
AB588960\_Uncultured\_ecomycorr -----TGTT-TGAGGCATGC  
KJ742409\_Lactarius\_pseudouvidu -----GGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACMAAAATGTGT-TGAGGCATGC  
KJ742395\_Lactarius\_brunneoviol -----GGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACMAAAATGTGT-TGAGGCATGC  
KJ742410\_Lactarius\_pseudouvidu -----GGTTCCGTA-AGGTGAACCTCGGGAGGATCATTA-TCGTACAAAAATGTGT-YGAGGCATGC  
GU234088\_Lactarius\_nanus -----CATTATCGTACAAAAATGTGT-TGAGGCATGC  
KC791081\_Uncultured\_fungus -----  
KJ705211\_Lactarius\_argillaceif -----TTTGC-TGNAGAAAAG  
KJ705210\_Lactarius\_argillaceif -----GAGGCATGC  
DQ093852\_Lactarius\_pallescens -----  
EF218785\_ecomycorrhiza\_Lectar -----  
GU234059\_Lactarius\_violascens -----  
GU184028\_Uncultured\_Lactarius -----  
GU184027\_Uncultured\_Lactarius -----  
AB571500\_Uncultured\_ecomycorr -----AAAAGTCGTAACAAGGTTCCGTAAGGTGAACCTCGGGAGGATCATTA-TCGAACAAAAATGTGT-TGAGGCATGC  
FJ596848\_Lactarius\_ovidus -----CGGGAGGATCATTA-TCGAACAAAAATGTGT-YGAGGCATGC  
AB848536\_Lactarius\_sp -----GTG-TGAGGCATGC  
UDB016000\_Russula\_olivacea -----CTCGGGAGGATCATTA-TCGTACAAC-----CG--AGGCC  
UDB011195\_Russula\_olivacea -----GTACTGC-GGAGGATCATTA-TCGTACAAC-----CG--AGGCC  
HQ204707\_Uncultured\_Russula -----TCCTTGGTCATTAAAGGAAGTAAAAGTCGTAACAAGGTTCCGTAAGGTGAACCTCGGGAGGATCATTA-TCGTGCAAC-----CG--AGGCC  
KU356732\_Russula\_olivacea\_NEWLY\_GENERATED -----TCGTACAAC-----CG--AGGCC  
UDB000354\_Russula\_olivacea -----  
UDB000322\_Russula\_olivacea -----TGCAGGGATCATTA-TCGTGCAAC-----CG--AGGTGC  
UDB000323\_Russula\_olivacea -----AACCTCGGGAGGATCATTA-TCGTGCAAC-----CG--AGGTGC  
JX425382\_Russula\_sp -----TTG-GCATTCG-T-----CGCAAGGTGC  
AB973750\_Russula\_sp -----AGGATCATTA-TCGTACAAC-----CG--AGGTGC  
JX425373\_Russula\_olivacea -----GCCG-CCCCCTGAG-----CGGAAGGTGC  
UDB013255\_Russula -----GGAAGGATCATTA-TCGTACAAC-----CG--AGGTGC  
UDB013274\_Russula -----GGAAGGATCATTA-TCGTACAAC-----CG--AGGTGC  
HF674570\_uncultured\_Russula -----CATTA-TCGTACAAC-----CG--AGGTGC  
HF674549\_uncultured\_Russula -----CATTA-TCGTACAAC-----CG--AGGTGC  
HF674578\_uncultured\_Russula -----CATTA-TCGTACAAC-----CG--AGGTGC  
HF674534\_uncultured\_Russula -----CATTA-TCGTACAAC-----CG--AGGTGC  
KM576534\_Russula\_sp -----CATTA-TCGTACAAC-----CG--AGGTGC  
HF674533\_uncultured\_Russula -----CATTA-TCGTACAAC-----CG--AGGTGC  
HF674572\_uncultured\_Russula -----CATTA-TCGTACAAC-----CG--AGGTGC  
HF674551\_uncultured\_Russula -----CATTA-TCGTACAAC-----CG--AGGTGC  
HF674569\_uncultured\_Russula -----CATTA-TCGTACAAC-----CG--AGGTGC  
gi|333774799|emb|FR852106.1| -----GGAAGGATCATTA-TCGTACAAC-----CG--AGGTGC



HF674534\_Uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_Uncultured\_Russula  
HF674572\_Uncultured\_Russula  
HF674551\_Uncultured\_Russula  
HF674569\_Uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_Uncultured\_Russula  
HF674531\_Uncultured\_Russula  
HF674530\_Uncultured\_Russula  
HF674592\_Uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp  
  
UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorr  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ecтомycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorr  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula\_sp

AB973750\_Russula\_sp  
JX425373\_Russula\_olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_ungcultured\_Russula  
HF674549\_ungcultured\_Russula  
HF674578\_ungcultured\_Russula  
HF674534\_ungcultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_ungcultured\_Russula  
HF674572\_ungcultured\_Russula  
HF674551\_ungcultured\_Russula  
HF674569\_ungcultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_ungcultured\_Russula  
HF674531\_ungcultured\_Russula  
HF674530\_ungcultured\_Russula  
HF674592\_ungcultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp

UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATE  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorrhiza  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ectomycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorrhiza  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula\_olivacea

UDB011195\_Russula\_olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula\_olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula\_olivacea  
UDB000322\_Russula\_olivacea  
UDB000323\_Russula\_olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula\_olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_uncultured\_Russula  
HF674531\_uncultured\_Russula  
HF674530\_uncultured\_Russula  
HF674592\_uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp  
  
UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ecetomyccor  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ecetomyccorrhiza\_Lactar



KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_Ectomyorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorr  
FJ596848\_Lactarius\_ovidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula\_olivacea  
UDB011195\_Russula\_olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula\_olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula\_olivacea  
UDB000322\_Russula\_olivacea  
UDB000323\_Russula\_olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula\_olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_uncultured\_Russula  
HF674531\_uncultured\_Russula  
HF674530\_uncultured\_Russula  
HF674592\_uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp

UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp

KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorrhiza  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ectomycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorrhiza  
FJ596848\_Lactarius\_ovidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWL  
Y\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula.olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_uncultured\_Russula  
HF674531\_uncultured\_Russula  
HF674530\_uncultured\_Russula  
HF674592\_uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annonsum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWL  
Y\_GENERATED  
HE681775\_Astraeus\_sp

UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493 Lactarius\_luridus

KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UBD019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorrhiza  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ectomycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorrhiza  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UBD016000\_Russula\_olivacea  
UBD011195\_Russula\_olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula\_olivacea\_NEWLY\_GENERATED  
UBD000354\_Russula\_olivacea  
UBD000322\_Russula\_olivacea  
UBD000323\_Russula\_olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula\_olivacea  
UBD013255\_Russula  
UBD013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_uncultured\_Russula  
HF674531\_uncultured\_Russula  
HF674530\_uncultured\_Russula  
HF674592\_uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annonsum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp

GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ecтомycorrhiza  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ecтомycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ecтомycorr  
FJ596848\_Lactarius\_ovidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula.olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_uncultured\_Russula  
HF674531\_uncultured\_Russula  
HF674530\_uncultured\_Russula  
HF674592\_uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum

HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp

UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorr  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ectomycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorr  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula.olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|



HF674534\_Uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_Uncultured\_Russula  
HF674572\_Uncultured\_Russula  
HF674551\_Uncultured\_Russula  
HF674569\_Uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_Uncultured\_Russula  
HF674531\_Uncultured\_Russula  
HF674530\_Uncultured\_Russula  
HF674592\_Uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp

UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ecetomycorr  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ecetomyccorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ecetomycorr  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula.sp







KJ742410_Lactarius_pseudouvidu	ACGAACC-----CTTGACCTC-AAATCGGGTGAGA-----
GU234088_Lactarius_nanus	-----
KC791081_Uncultured_fungus	ACGAACC-----CTTGACCTC-AAATCGGGTGAGACTACCCGCTGAACCTAA-----
KJ705211_Lactarius_argillaceif	ACGAACC-----CTTGACCTC-ANTCGGGTGAGACTACNCGCTGA-----
KJ705210_Lactarius_argillaceif	ACGAACC-----CTTGACCTC-AAATCGGGTGAGA-----
DQ093852_Lactarius_pallescens	-----
EF218785_ectomycorrhiza_Lactar	ACGAACC-----CTTGACCTC-AAATCGGGTGAGACTACCCGCTGAACCTAAAGCATATCAATAAGCGGAGGAAAAGAAACTAACATGG-----
GU234059_Lactarius_violascens	-----
GU184028_Uncultured_Lactarius	-----
GU184027_Uncultured_Lactarius	-----
AB571500_Uncultured_ectomycorr	-----
FJ596848_Lactarius_uvidus	-----
AB848536_Lactarius_sp	GAACCC-----TTTGACCTCAA-----
UDB016000_Russula_olivacea	TGGACCCACGAAAAAGAAAA-----CCTTGACCTCAAATCGGGTGAGACTACCCGCTGAACCTAAAGCATATCAATAAGCGGAGGAAA-AAACTAACAGG-----
UDB011195_Russula_olivacea	TGGACCCACGAAAAAGAAAA-----CCTTGACCTCAAATCGGGTGAGACTACCCGCTGAACCTAAAGCATATCAATAAGCGGAGGAAAAGAAACTAACAGG-----
HQ204707_Uncultured_Russula	TGGACCCACAAAAAGAAAA-----CCTGACCTCATCTC-----
KU356732_Russula_olivacea_NEWLY_GENERATED	TGGACCCACAAAAAGAAAA-----CC-----
UDB000354_Russula_olivacea	TGGACCCACAMAAAGAAAAAAACCTTGACCT-----
UDB000322_Russula_olivacea	TGGACCCACAAAAGAAAAAAACCTTGACCTCT-----
UDB000323_Russula_olivacea	TGGACCCACAAAAGAAAA-----CCTTGACCT-----
JX425382_Russula_sp	TGGACCCACGAAAAAGAAAA-----CCTTGACCTCAAATCGGGTGAGACTACCCGCTGAACCTAAAGCATATCATAAAGCGGAAGGAG-----
AB973750_Russula_sp	TGGACCCACGAAAAAGAAAA-----CCTTGACCTCAAATCGGGTGAGACTACCCGCTGAACCTAAAGCATATCAATAAGCGGAGGAAAAGAAACTAACAGG-----
JX425373_Russula_olivacea	TGGACCCACGAAAAAGAAAA-----CCTTGACCTCAAATCGGGTGAGACTACCCGCTGAACCTAAAGCATATCAATAAGCGGGAGGAAA-----
UDB013255_Russula	TGGACCCACGAAAAAGAAAA-----CCTTGACCTCAAATCGGGTGAGACTACCCGCTGAACCTAAAGCATATCAATAAGCGGAGGAAAAGAAACTAACAGG-----
UDB013274_Russula	TGGACCCACGAAAAAGAAAA-----CCTTGACCTCAAATCGGGTGAGACTACCCGCTGAACCTAAAGCATATCAATAAGCGGAGGAAAAGAAACTAACAGG-----
HF674570_uncultured_Russula	TGGACCCACAAAGAAG-----
HF674549_uncultured_Russula	TGGACCCACAAAGAAGAAAA-----CCTGACCTCAA-----
HF674578_uncultured_Russula	TGGACCCACAAAGAAGAAAA-----CCTGACCTCAA-----
HF674534_uncultured_Russula	TGGACCCACAAAGAAGAAAA-----CCTGACCTCAA-----
KM576534_Russula_sp	TGGACCCACAAAGAAGAAAA-----CCTGACCTCAAATCGGAG-----
HF674533_uncultured_Russula	TGGACCCACAAAGAAGAAAA-----CCTGACCTCAAATCGGAG-----
HF674572_uncultured_Russula	TGGACCCACAAGAAGAAAA-----CCTTGACCTCAA-----
HF674551_uncultured_Russula	TGGACCCACAAGAAG-----
HF674569_uncultured_Russula	TGGACCCACAAGAAG-----
gi 333774799 emb FR852106.1	TGGACCCACAAGAAGAAAA-----CCTTGACCTCAAATCGGGTGAGACTA-----
HF674638_uncultured_Russula	-----
HF674531_uncultured_Russula	-----
HF674530_uncultured_Russula	-----
HF674592_uncultured_Russula	-----
Stereum_hirsutum	-----
Heterobasidion_irregulare	-----
Heterobasidion_anno	-----
HE681772_Astraeus_sp	TGGCCCCCTTGAAT-----GCTG-----
HE681773_Astraeus_sp	TGGCCCCCTTGAAT-----GCTG-----
HE681774_Astraeus_sp	TGGCCCCCTTGAAT-----GCTTGACCTCAAATCAGGTAGGACTACCCGCTGAACCTAAAGCATATC-----
KU356730_Astraeus_sirindhorniae_NEWLY_GENERATED	-----
HE681775_Astraeus_sp	TGGCCCCCTTGAAT-----GCTTGACCTCAAATCAGGTAGGACTACCCGCTGAACCTAAAGCTAT-----
-----	-----
UDB011691_Lactarius_luridus	-----
GU234051_Lactarius_pseudouvidu	-----
KJ742405_Lactarius_luridus	-----
KF241547_Lactarius_luridus	-----
UDB023551_Lactarius_luridus	-----
KJ742406_Lactarius_luridus	-----
KJ742407_Lactarius_luridus	-----
UDB023493_Lactarius_luridus	-----
KJ742403_Lactarius_luridus	ATTCCCCTAGTAACTGCGAGTGAAGCGGGAAAAGCTCAATTAAAT-----
KJ742404_Lactarius_luridus	-----
KJ742402_Lactarius_luridus	-----
JX625292_Uncultured_Lactarius	-----
KU356731_Lactarius_luridus_NEWLY_GENERATED	-----
KM576498_Lactarius_sp	-----
KJ742411_Lactarius_sp	-----

KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorrhiza  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallens  
EF218785\_ectomycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorrhiza  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula.olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_uncultured\_Russula  
HF674531\_uncultured\_Russula  
HF674530\_uncultured\_Russula  
HF674592\_uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp  
  
UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus

KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UBD019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorrhizal  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_palescens  
EF218785\_ectomycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorrhizal  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UBD016000\_Russula\_olivacea  
UBD011195\_Russula\_olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula\_olivacea\_NEWLY\_GENERATED  
UBD000354\_Russula\_olivacea  
UBD000322\_Russula\_olivacea  
UBD000323\_Russula\_olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula\_olivacea  
UBD013255\_Russula  
UBD013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_uncultured\_Russula  
HF674531\_uncultured\_Russula  
HF674530\_uncultured\_Russula  
HF674592\_uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp  
  
UDB011691\_Lactarius\_luridus

GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorrhiza  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ectomycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorrhiza  
FJ596484\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula.olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_uncultured\_Russula  
HF674549\_uncultured\_Russula  
HF674578\_uncultured\_Russula  
HF674534\_uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_uncultured\_Russula  
HF674572\_uncultured\_Russula  
HF674551\_uncultured\_Russula  
HF674569\_uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_uncultured\_Russula  
HF674531\_uncultured\_Russula  
HF674530\_uncultured\_Russula  
HF674592\_uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annostrum

HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp  
  
UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ectomycorr  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ectomycorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ectomycorr  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula.olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_ungcultured\_Russula  
HF674549\_ungcultured\_Russula  
HF674578\_ungcultured\_Russula  
HF674534\_ungcultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_ungcultured\_Russula  
HF674572\_ungcultured\_Russula  
HF674551\_ungcultured\_Russula  
HF674569\_ungcultured\_Russula  
gi|333774799|emb|FR852106.1|

HF674638\_Uncultured\_Russula  
HF674531\_Uncultured\_Russula  
HF674530\_Uncultured\_Russula  
HF674592\_Uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp

UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ecetomycorr  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_palescens  
EF218785\_ecetomycorrha\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ecetomycorr  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula\_olivacea  
UDB011195\_Russula\_olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula\_olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula\_olivacea  
UDB000322\_Russula\_olivacea  
UDB000323\_Russula\_olivacea  
JX425382\_Russula\_sp  
AB973750\_Russula\_sp  
JX425373\_Russula\_olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_Uncultured\_Russula  
HF674549\_Uncultured\_Russula  
HF674578\_Uncultured\_Russula

HF674534\_Uncultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_Uncultured\_Russula  
HF674572\_Uncultured\_Russula  
HF674551\_Uncultured\_Russula  
HF674569\_Uncultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_Uncultured\_Russula  
HF674531\_Uncultured\_Russula  
HF674530\_Uncultured\_Russula  
HF674592\_Uncultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp

UDB011691\_Lactarius\_luridus  
GU234051\_Lactarius\_pseudouvidu  
KJ742405\_Lactarius\_luridus  
KF241547\_Lactarius\_luridus  
UDB023551\_Lactarius\_luridus  
KJ742406\_Lactarius\_luridus  
KJ742407\_Lactarius\_luridus  
UDB023493\_Lactarius\_luridus  
KJ742403\_Lactarius\_luridus  
KJ742404\_Lactarius\_luridus  
KJ742402\_Lactarius\_luridus  
JX625292\_Uncultured\_Lactarius  
KU356731\_Lactarius\_luridus\_NEWLY\_GENERATED  
KM576498\_Lactarius\_sp  
KJ742411\_Lactarius\_sp  
KJ742392\_Lactarius\_brunneoviol  
KJ742393\_Lactarius\_brunneoviol  
KJ742390\_Lactarius\_aspideus  
UDB019724\_Lactarius\_aspideus  
AB588960\_Uncultured\_ecetomyccor  
KJ742409\_Lactarius\_pseudouvidu  
KJ742395\_Lactarius\_brunneoviol  
KJ742410\_Lactarius\_pseudouvidu  
GU234088\_Lactarius\_nanus  
KC791081\_Uncultured\_fungus  
KJ705211\_Lactarius\_argillaceif  
KJ705210\_Lactarius\_argillaceif  
DQ093852\_Lactarius\_pallescens  
EF218785\_ecetomyccorrhiza\_Lactar  
GU234059\_Lactarius\_violascens  
GU184028\_Uncultured\_Lactarius  
GU184027\_Uncultured\_Lactarius  
AB571500\_Uncultured\_ecetomyccor  
FJ596848\_Lactarius\_uvidus  
AB848536\_Lactarius\_sp  
UDB016000\_Russula.olivacea  
UDB011195\_Russula.olivacea  
HQ204707\_Uncultured\_Russula  
KU356732\_Russula.olivacea\_NEWLY\_GENERATED  
UDB000354\_Russula.olivacea  
UDB000322\_Russula.olivacea  
UDB000323\_Russula.olivacea  
JX425382\_Russula.sp

AB973750\_Russula\_sp  
JX425373\_Russula\_olivacea  
UDB013255\_Russula  
UDB013274\_Russula  
HF674570\_ungcultured\_Russula  
HF674549\_ungcultured\_Russula  
HF674578\_ungcultured\_Russula  
HF674534\_ungcultured\_Russula  
KM576534\_Russula\_sp  
HF674533\_ungcultured\_Russula  
HF674572\_ungcultured\_Russula  
HF674551\_ungcultured\_Russula  
HF674569\_ungcultured\_Russula  
gi|333774799|emb|FR852106.1|  
HF674638\_ungcultured\_Russula  
HF674531\_ungcultured\_Russula  
HF674530\_ungcultured\_Russula  
HF674592\_ungcultured\_Russula  
Stereum\_hirsutum  
Heterobasidion\_irregulare  
Heterobasidion\_annosum  
HE681772\_Astraeus\_sp  
HE681773\_Astraeus\_sp  
HE681774\_Astraeus\_sp  
KU356730\_Astraeus\_sirindhorniae\_NEWLY\_GENERATED  
HE681775\_Astraeus\_sp  
;  
End;