

(Supplementary) Table 2 Operational taxonomic units of EMF associated with *Pinus contorta*

Site	Tree#	Sample #	GenBank Accession #	Analysis Name	Max Identity
BHB	1	573	KT800280	<i>Inocybe</i> sp. 20	97%
BHB	1	578	KT800283	<i>Phialocephala</i> sp. 2	86%
BHB	1	576	KT800282	<i>Piloderma</i> sp. 2	98%
BHB	1	574	KT800281	<i>Tricholoma myomyces</i>	99%
C1	1	182	KT800285	<i>Cortinarius</i> sp.	98%
C1	1	181	KT800284	<i>Inocybe</i> sp.	99%
C4-ER	1	159	KT800287	<i>Cenococcum</i> sp.	96%
C4-ER	1	162	KT800289	<i>Inocybe</i> sp.	97%
C4-ER	1	158	KT800286	<i>Pseudotomentella</i> sp. 1	97%
C4-ER	1	161	KT800288	<i>Rhizopogon</i> sp. 9	87%
C6A	1	5	KT800291	<i>Cenococcum geophilum</i>	99%
C6A	1	8	KT800294	<i>Cortinarius</i> sp.	98%
C6A	1	6	KT800292	<i>Rhizopogon</i> cf. <i>salebrosus</i>	98%
C6A	1	2	KT800290	<i>Suillus brevipes</i>	99%
C6A	1	7	KT800293	<i>Thelephora</i> cf. <i>terrestris</i>	98%
C7	1	275	KT800298	<i>Cenococcum</i> sp.	88%
C7	1	267	KT800295	<i>Suillus</i> cf. <i>brevipes</i>	97%
C7	1	273	KT800297	<i>Thelephora</i> sp.	97%
C7	1	269	KT800296	<i>Tomentella</i> sp. 6	97%
Davis	1	411	KT800315	<i>Piloderma</i> sp. 22	88%
Davis	1	415	KT800316	<i>Thelephora terrestris</i>	99%
Davis	2	387	KT800306	<i>Cortinarius</i> sp.	97%
Davis	2	382	KT800304	<i>Piloderma</i> cf. <i>olivaceum</i>	97%
Davis	2	385	KT800305	<i>Rhizopogon</i> sp.	97%
Davis	2	389	KT800307	<i>Suillus</i> sp. 2	97%
Davis	3	392	KT800309	<i>Inocybe</i> sp.17	91%
Davis	3	390	KT800308	<i>Russula densifolia</i>	99%
Davis	4	380	KT800302	<i>Amphinema</i> sp.1	85%
Davis	4	376	KT800299	<i>Inocybe</i> sp. 3	94%
Davis	4	379	KT800301	<i>Pseudotomentella</i> sp.	88%
Davis	4	381	KT800303	<i>Rhizopogon</i> sp. 7	96%
Davis	4	377	KT800300	<i>Suillus</i> sp.	97%
Davis	5	406	KT800313	<i>Cortinarius</i> sp.	92%
Davis	5	401	KT800311	<i>Hygrophorus</i> sp. 1	99%
Davis	5	399	KT800310	<i>Rhizopogon</i> sp. 18	90%
Davis	5	402	KT800312	<i>Rhizopogon</i> sp. 21	92%
Davis	5	409	KT800314	<i>Rhizopogon salebrosus</i>	99%

Fin. Butte	1	715	KT800317	Helotiaceae sp. 1	94%
Fin. Butte	1	716	KT800318	<i>Cenococcum</i> sp.	95%
Fin. Butte	1	718	KT800322	<i>Cortinarius</i> sp. 12	95%
Fin. Butte	1	723	KT800324	<i>Cortinarius</i> sp. 7	97%
Fin. Butte	1	728	KT800326	<i>Inocybe</i> sp.	96%
Fin. Butte	1	714	KT800320	<i>Piloderma</i> sp. 16	82%
Fin. Butte	1	722	KT800323	<i>Piloderma</i> sp. 17	91%
Fin. Butte	1	724	KT800325	<i>Piloderma</i> sp.	98%
Fin. Butte	1	717	KT800321	<i>Rhizopogon</i> cf. <i>salebrosus</i>	98%
Fin. Butte	1	712	KT800319	<i>Tomentella</i> cf. <i>bryophila</i>	99%
Fire	1	682	KT800327	Hyaloscyphaceae sp. 1	92%
Fire	1	670	KT800328	<i>Inocybe</i> sp. 21	91%
Fire	1	673	KT800329	<i>Rhizopogon</i> sp.	96%
Fire	1	680	KT800334	<i>Rhizopogon</i> sp.	94%
Fire	1	675	KT800331	<i>Thelephora</i> sp. 1	95%
Fire	1	674	KT800330	<i>Thelephora</i> sp. 2	94%
Fire	1	677	KT800332	Thelephoraceae sp. 1	84%
Fire	1	678	KT800333	Thelephoraceae sp. 2	84%
HD	1	476	KT800340	<i>Lactarius</i> sp.	97%
HD	2	M459	KT800349	<i>Inocybe</i> cf. <i>flocculosa</i>	99%
HD	2	496	KT800348	<i>Rhizopogon</i> sp. 16	92%
HD	2	493	KT800347	<i>Rhizopogon</i> sp.	93%
HD	2	492	KT800346	<i>Wilcoxina</i> sp. 3	88%
HD	2	490	KT800345	<i>Wilcoxina</i> sp. 1	97%
HD	3	459	KT800335	<i>Amanita</i> sp. 1	90%
HD	3	461	KT800336	<i>Rhizopogon</i> sp.	95%
HD	3	467	KT800337	<i>Tomentella</i> sp. 2	93%
HD	4	473	KT800339	<i>Cortinarius</i> sp. 3	88%
HD	4	470	KT800338	<i>Piloderma</i> sp. 23	91%
HD	5	479	KT800342	<i>Inocybe</i> sp. 22	89%
HD	5	481	KT800344	<i>Inocybe</i> sp. 23	94%
HD	5	478	KT800341	<i>Phialocephala</i> sp. 4	81%
HD	5	480	KT800343	<i>Rhizopogon</i> sp.	94%
Hwy31	1	129	KT800350	<i>Inocybe</i> cf. <i>jacobi</i>	98%
ICE	1	537	KT800351	<i>Cenococcum</i> sp.	84%
ICE	1	531	KT800353	<i>Inocybe</i> <i>jacobi</i>	99%
ICE	1	533	KT800354	<i>Piloderma</i> sp. 3	91%
ICE	1	536	KT800356	<i>Rhizopogon</i> cf. <i>salebrosus</i> 2	98%
ICE	1	535	KT800355	<i>Rhizopogon</i> cf. <i>evadens</i>	98%
ICE	1	529	KT800352	<i>Tomentella</i> sp. 1	92%
ICE	1	539	KT800357	<i>Wilcoxina</i> sp. R3193	99%

KB	1	70	KT800358	<i>Cenococcum geophilum</i>	99%
KB	1	75	KT800360	<i>Sistotrema</i> sp.	91%
KB	1	M487	KT800361	<i>Tricholoma</i> sp.	93%
KB	1	72	KT800359	<i>Wilcoxina</i> sp. R3193	99%
LB	1	456	KT800362	<i>Suillus cf. brevipes</i>	98%
Mof. Butte	1	654	KT800373	<i>Amanita</i> sp. 2	81%
Mof. Butte	1	653	KT800372	<i>Cenococcum</i> sp.	96%
Mof. Butte	1	656	KT800375	<i>Tomentella</i> sp. 2	97%
Mof. Butte	1	655	KT800374	<i>Tricholoma</i> sp. 9	95%
Mof. Butte	1	657	KT800376	<i>Wilcoxina</i> sp. 4	94%
Mof. Butte	3	649	KT800370	<i>Inocybe</i> sp.	85%
Mof. Butte	3	650	KT800371	<i>Inocybe</i> sp.	96%
Mof. Butte	3	648	KT800369	<i>Tuber</i> sp. 2	91%
Mof. Butte	4	634	KT800363	<i>Inocybe</i> sp.	91%
Mof. Butte	4	640	KT800367	<i>Inocybe</i> sp.	94%
Mof. Butte	4	M637	KT800366	<i>Inocybe flocculosa</i>	99%
Mof. Butte	4	636	KT800365	<i>Rhizopogon</i> sp. 22	87%
Mof. Butte	4	635	KT800364	<i>Tuber</i> sp. 1	89%
Mof. Butte	5	643	KT800368	<i>Lactarius</i> sp. 1	79%