

Supplemental Files

Table S1: DNA sequences of Tul1 and Tul2

Sequences of Tul1	<i>Tul1- Closest match</i> <i>JX649077</i> , %ID=96.74 <i>Tulasnellaceae</i>	GGCGGAGCCGTTTGAACCATGCGTCATGCGTCGTGTTATCCCTCTCGGGACACACGTAAACCCCTTACATGCACAGAGTATGCCTCT TACGAAAACAAACAAAGAAATCACAACCGGTAGCGTTGGATCCCTTGGCACGTTGATCGATGAAGACCGTTGCAAACCTGCGATAAGT GGTGTGATGCGCAAGTCTAAAACTTATAAGTGAATCATCGAATCGTTGAACGCACGACACCGGCTCTATCCGAGCAGGTATGCCCCCT TTGAGCGCCATTATGCCTTCGGAGCATCCGGATTTCTNGTCCGTGATGCCCCGGTTCCGAGGTCCACCGTGCGTCCACGCAGGCGTTCC CTTCAGATGCATTGGAAGGGAAGAGGGCCACGCCGGAACCCATCCGTGTCATGAGACATGCACGAAAAGGACCGCAGCGCCGAAGCC CGGGACGTGTCCGCAGCGAGACCGTCCAGACNCACCTTCGCGGTGAAAACCATNGAATGTGGCCTCACTGGGGTAAGACTACCCGCT AGACTTAAGCATATTAATCAGCGGAGGAAAAAGAACTAACTAGGATTCCCTCAGTAACTGCGAGTGAAGCGGGATGAGCTCAATGTGTGAATCTGGCGG
Sequences of Tul1	<i>Tul2- Closest match</i> <i>JX649080</i> , %ID=93.52 <i>Tulasnellaceae</i>	CTGACTGGTATCTGTTGGTCTTTTCGCGTGATATATGTTAGTCTCCGTTGTCTACCCCAATGAGGTCATGCCTTGCTAGTCCGCGATCCCA GGACCGGACTTGGTGACCAGCCCAACGGCGGTCAAGCACGTCTCAACTCCAGAGGACTCCCGCTCAGGCATTAGAGTACCCATCAGGC GATCGGCGCGACGCAGCTGAGAAACACGATCCAAAGACCGAGGACTCCGAACCTCGGGTCTTCCACAAGGAAAAGACTCCCGAAGAATAAA TGACGCTCAAGGGGCATACCGCAGCCGGATTAGGGCGCGGTGCAATGCGTTCAACAACTCGATGATTACGTATAAGTGGTGGACTTGCG CATCACATCATTTATCGCAATTTGCAACGGTCTTCATCGAATGACGTGCCAAGGGATCCAGCGCTGCCAGTTGTAAAAGTTTACAACGTGTA GACTCACAACGCGGAACGATCTTTAACGTGTGCCTCGAACAGAGGTAACACAGCGACCGCTTTACCTCGTCAGAGGGTCGTTTATCCTCGA CCAGAGCCCTTAACGTCCCAGGACGACGGAACAGAACGTCAAGACGATACTATGATCTTCCGCAT

Table S2: Seed germination using different variants of 03DPR009 at two pH levels.

Seeds tested using different isolates of the <b>Variants of 03DPR009</b>		
Fungal Isolate	pH	Avg. % Germ
None	5.50	16.1
None	8.5	20.1
DP009A	5.50	88.3
DP009A	8.50	83.9
DP009S1	5.50	44.4
DP009S1	8.50	43.6
DP009S4	5.50	56.8
DP009S4	8.50	7.9
DP009S5	5.50	12.3
DP009S5	8.50	85.8
DP009S3	5.50	58.8
DP009S3	8.50	82.5
None	5.50	12.7
None	8.50	17.3
DP009A	5.50	19.5
DP009A	8.50	6.1
DP009S4	5.50	48.7
DP009S4	8.50	46.3
DP009S3	5.50	24.1
DP009S3	8.50	34.1
DP009S1	5.50	51.2
DP009S1	8.50	34.7
DP009S5	5.50	57.7
DP009S5	8.50	6.7
None	5.50	9.4
None	8.50	11.9
DP009A	5.50	38.7
DP009A	8.50	23.8
DP009S5	5.50	12.4
DP009S5	8.50	39.5
DP009S3	5.50	45.7
DP009S3	8.50	32.8
DP009S4	5.50	35.3
DP009S4	8.50	34
DP009S1	5.50	40.4
DP009S1	8.50	31.9
None	5.50	10.1
None	8.50	13.8
DP009S4	5.50	23.6
DP009S4	8.50	75
DP009S1	5.50	68.9
DP009S1	8.50	77.7
DP009A	5.50	40.4
DP009A	8.50	61.2
DP009S5	5.50	35.9
DP009S5	8.50	71.5
DP009S3	5.50	31.4
DP009S3	8.50	55.4

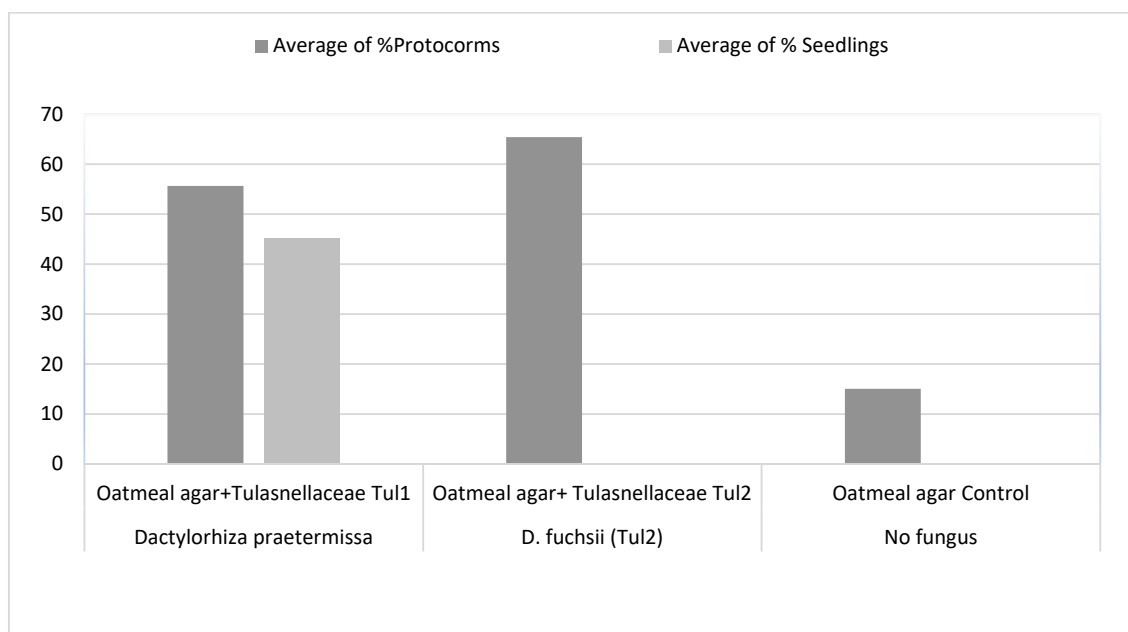


Figure S1, Seed germination: Percentage of seeds germinated to protocorms and seedlings with Tul1, Tul2 and without mycorrhizal fungus (control).

Supplemental Table. Average percentage germination when seeds co-cultured with different variants of Tul1 03DP009 fungus.