

Table S2: Sequencing method that yielded reads of *Ceratobasidium* (Cer) or *Tulasnella* (Tul) for each *Platanthera* species. Note that all sequencing methods were not attempted on all samples. Previously published sequences were obtained from GenBank or from the study's author. Cultures were all sequenced using Sanger sequencing. "Culture and Root" refers to samples where both cultures and roots from a single sample were sequenced using multiple sequencing and identical OTUs were obtained. This was rarely attempted, because we prioritized samples without sequences, when conducting more sequencing. However, when identical sequences were obtained using multiple methods the reads were combined into a single read for further analysis.

	Sequencing Method									
	Previously published		Cultures		Sanger		Metabarcoding		Culture and Root	
	Cer.	Tul.	Cer.	Tul.	Cer.	Tul.	Cer.	Tul.	Cer.	Tul.
<i>Platanthera holochila</i>		3								
<i>Platanthera aquilonis</i>					1	1	1			
<i>Platanthera blephariglottis</i>			6	19	3	21	17	15		4
<i>Platanthera chapmanii</i>	5	139		5		9	5	141		
<i>Platanthera ciliaris</i>			7	43	4	55	15	20		7
<i>Platanthera clavellata</i>			12	31	7	46	19	22	2	5
<i>Platanthera convallariaefolia</i>								2		
<i>Platanthera cooperi</i>		11						11		
<i>Platanthera cristata</i>			2	11	5	14	15	7		5
<i>Platanthera dilatata</i>				6		9		1		
<i>Platanthera flava</i>			5	14	4	21	10	2	1	3
<i>Platanthera grandiflora</i>			12	17	10	20	14	5	2	3
<i>Platanthera hookeri</i>			2	1	2	4				
<i>Platanthera huronensis</i>			3	1	3	2				
<i>Platanthera hyperborea</i>				2		3				
<i>Platanthera integra</i>			1	4	1	4				2
<i>Platanthera integrilabia</i>				9		14	1	1		1
<i>Platanthera lacera</i>		1	15	4	10	5	15	1	5	
<i>Platanthera leucophaea</i>	21	2		2		3	23	3		
<i>Platanthera limosa</i>					1	1	1			
<i>Platanthera michaelii</i>				1		1				
<i>Platanthera obtusata</i>			3	6	2	7	3	1		
<i>Platanthera orbiculata</i>			1	15	1	20		4		4
<i>Platanthera peramoena</i>			1	7	1	14	4	1		4
<i>Platanthera praeclara</i>	127	27					127	27		
<i>Platanthera psycodes</i>			10	19	9	25	18	8	1	5
<i>Platanthera shriveri</i>			2	5	2	6	2			
<i>Platanthera sparsiflora</i>				1		1				
<i>Platanthera x bicolor</i>			1	14	1	20	9	5		2
<i>Platanthera x canbyii</i>			1	7	1	9	4			2
<i>Platanthera x integrilabia</i>				1		1				
<i>Platanthera x keenanii</i>				1		2				1
<i>Platanthera yadonii</i>	31	48	1		1					