

Table S1 Detector oligonucleotides used in this study to detect ten different operational taxonomic units (OTUs) associated with five *Dactylorhiza* species sampled in Belgium.

Target OTU	Name	Sequence (5'-3')
OTU1	OTU1'_1_1	TAATCGTCTATCGACGCACT
	OTU1'_1_2	CGTCTATCGACGCACTTGCT
	OTU1'_1_3	TCGTCTATCGACGCACTTGC
	OTU1'_3_1	CATTATTTCGTTGCGCCGAG
	OTU1'_3_2	TTATTTTCGTTGCGCCGAGCC
	OTU1'_3_3	TTTCGTTGCGCCGAGCCTCG
OTU2	OTU2'_2_1	CGAGTCTTGAGCTTGTGTCA
	OTU2'_2_2	ACCGAGTCTTGAGCTTGTGT
	OTU2'_2_3	AGTCTTGAGCTTGTGTGACC
	OTU2'_3_1	CAAACGGTACTACAACCCAT
	OTU2'_3_2	AACAAACGGTACTACAACCC
	OTU2'_3_3	ACGGTACTACAACCCATGAC
OTU3	OTU3'_2_2	AGGTAAAGCCGTCTCCCTG
	OTU3'_2_3	GAGGTAAAGCCGTCTCCCTG
	OTU3'_5_1	AGTCTTTTCATCGAGACCCG
	OTU3'_5_2	GTCTTTTCATCGAGACCCGA
	OTU3'_7_1	CACGTCTTACGTGGCGGTA
	OTU3'_7_3	ACGTCTTACGTGGCGGTA
OTU4	OTU4'_3_2	TTTCGGTCCGTGATGCCCG
	OTU4'_4_1	AAGGGAAGAGGCCACGCCG
	OTU4'_4_2	GAAGGGAAGAGGCCACGCC
	OTU4'_6_2	AGGACGTGTCCGCAGCGAG
	OTU4'_6_3	CGCCGAAGCCCAGGACGTG
	OTU4'_7_2	AGACGCACCTTCACGGTGAA
OTU5	OTU5'_1_2	CTCTGTGTTACCTCTAAAAATT
	OTU5'_1_3	TCTGTGTTACCTCTAAAAATT
	OTU5'_1_4	CCTCTAAAAATTTTTTTCCGAG
	OTU5'_1_5	TCTAAAAATTTTTTTCCGAGGC
	OTU5'_1_6	CCTCTAAAAATTTTTTTCCGAG
	OTU5'_1_7	TCTAAAAATTTTTTTCCGAGGC
	OTU6	OTU6'_1_4
OTU6	OTU6'_2_1	TGAAGCGGGACCCGCTCAA
	OTU6'_2_2	GTGAAGCGGGACCCGCTCA
	OTU6'_2_3	GAAGCGGGACCCGCTCAAT
	OTU6'_3_1	GTAAACGGTTCGCTTCCCTG
	OTU6'_3_3	GGTAAACGGTTCGCTTCCCT
	OTU7	OTU7'_1_2
OTU7	OTU7'_1_3	GTCCGCCTACCAGCGGTAC
	OTU7'_2_1	CTTTTCCGTCGTCCTTGGGA
	OTU7'_2_2	TTCCGTCGTCCTTGGGACA
	OTU7'_2_3	CCGTCGTCCTTGGGACATTA
	OTU7'_3_1	CCTCTAAAAAATTTTTCCGAG
	OTU8	OTU8'_1_1
OTU8	OTU8'_1_2	AATGGTCGCTGCTGTGTTAC
	OTU8'_2_1	GTCCTTTCTGGGTTTGAGACG

	OTU8' <u>2</u> <u>3</u>	TTCTGGGTTTGAGACGTGCT
	OTU8' <u>3</u> <u>1</u>	GCGTCCTTTGCGATGTCGGT
	OTU8' <u>3</u> <u>2</u>	CGTCCTTTGCGATGTCGGTA
OTU9	OTU9' <u>1</u> <u>2</u>	TTTCTTCCGAGGCACACGTTA
	OTU9' <u>1</u> <u>3</u>	AATTTTCTTCCGAGGCACACG
	OTU9' <u>1</u> <u>4</u>	CGTGTGCCTCGGAAGAAAATT
	OTU9' <u>2</u> <u>2</u>	CTCTTCTGGATCGTGTTCCTTA
	OTU9' <u>2</u> <u>3</u>	AACACGATCCAGAAGAGGAC
	OTU9' <u>3</u> <u>2</u>	AGCAGTACTACAACACATGACC
OTU10	OTU10' <u>1</u> <u>2</u>	TAACACAGCGACCGCTTAAC
	OTU10' <u>1</u> <u>4</u>	AGGTAACACAGCGACCGCTT
	OTU10' <u>2</u> <u>1</u>	GCTGTGTTACCTCTTTTCGAG
	OTU10' <u>2</u> <u>2</u>	CTGTGTTACCTCTTTTCGAGG
	OTU10' <u>4</u> <u>1</u>	GTCCTTTGGGACGGCGGTA
	OTU10' <u>4</u> <u>2</u>	TCCTTTGGGACGGCGGTAC
Universal	Uni1 ^a	TCCTCCGCTTATTGATATGC
None	Dig1 ^{a,b}	GTCCAGACAGGATCAGGATTG

^a Lievens et al. (2003).

^b 5'-end thiol and 3'-end digoxigenin-labeled reference oligonucleotide.