

Search Details

Job Title/ Assay Name : DF(EX)(14/8)	Amplicon Sequence: GGATGTCTTGGCTCTTTACACGATGAAGAACGTTGCATAATGTGATA AGCGGCTAGAATTGCTTAATTTGTGATAAGTTCG
Effective Date : 2025-08-14	Forward: GGATGTCTTGGCTCTTTAC
Database : core_nt	Reverse: CGAACTTATCACAAATTAAGCAAT
Alignment algorithm : blastN	Probe: CTAGCCGCTTATCACATTATGCAACGT
Exclusive Organism: Dientamoeba fragilis	Inclusive Organism:
RID: 9V3VDJZX013	Total Result: 4997
App Version: 1.0	

#Accessions	Oligo	Mutation	Impact
Funnelformis mosseae/27381 Analyzed Accessions: 198			
2	Forward	G5C, T16C, T17-	Not Detected
	Probe	T4C, T5A, A8G, T9A, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T9-, C10-, A11-, C12-, A19T	
4	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5C, T16C, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G1-, G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A19T	
1	Forward	G5C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G1-, G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	

#Accessions	Oligo	Mutation	Impact
171	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
2	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9G, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12G, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14G, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24G, T25G, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5T, T16C, T17G, A18G, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5T, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5C, T16C, T17C, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26C	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T9-, C10-, A11-, C12-, A19T	
Tritrichomonas foetus/1144522 Analyzed Accessions: 185			
1	Forward	C14T, T15C	Not Detected
	Probe	A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
2	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T24C	
169	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	

#Accessions	Oligo	Mutation	Impact
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
1	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, T24C	
1	Forward	C14T, T15C	Not Detected
	Probe	A1T, T14G, A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
1	Forward	C14T, T15C	Not Detected
	Probe	A1G, T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
1	Forward	C14T, T15C	Not Detected
	Probe	T12C, T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
1	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, A18T, A22T, T24A	
1	Forward	G1-, C14T, T15C	Not Detected
	Probe	A1C, T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
1	Forward	C14T, T15C	Not Detected
	Probe	T12C, T14C, A26G	
	Reverse	C1-, A8G, A11G, T16G, T17A, A22T, T24A	
1	Forward	G1-, G2-, A3-, T4-, C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
2	Forward	C14T, T15C	Not Detected
	Probe	T14C, G23C, A26G	
	Reverse	A4T, A8G, A11G, T16G, T17A, A22T, T24A	
1	Forward	C14T, T15C	Not Detected
	Probe	T12C, T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, C21G, A22T, T24A	
1	Forward	C14T, T15C	Not Detected
	Probe	T14C, C21A, G23C, A26G	
	Reverse	A4T, A8G, A11G, T16G, T17A, A22T, T24A	
1	Forward	G1-, G2-, A3-, T4-, G5-, T6-, C14T, T15C	Not Detected
	Probe	T4G, T14C, C21A, G22T, G23C, G27C	
	Reverse	C1-, G2-, A3-, A4-, A8G, A11G, T16G, T17A, A22T, T24A	
Pneumocystis jirovecii/42068 Analyzed Accessions: 108			
1	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected

#Accessions	Oligo	Mutation	Impact
	Probe	T5G, T9A, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
1	Forward	G5C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
86	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
2	Forward	G5C, T16C, T17A, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
1	Forward	G5T, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18T, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19C	
1	Forward	G1-, G2-, G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
2	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T, G27A	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, A10G, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
1	Forward	G1-, G2-, A3-, T4-, G5-, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
1	Forward	G5C, G11A, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected

#Accessions	Oligo	Mutation	Impact
	Probe	T5G, T9A, T14C, A19G, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
7	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T4G, T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T9-, C10-, A11-, C12-, A18C, A19T	
Tetratrichomonas/5729 Analyzed Accessions: 86			
1	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, A8G, A15T, T16G, A18T, A19C, T24C	
2	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
22	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
8	Forward	T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A19C, T24C	
1	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G, +17A	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
27	Forward	T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19T, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
15	Forward	T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, T17C, A18T, A19C, T24C	
7	Forward	T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, T17C, A18T, A19T, T24C	
1	Forward	T6G, T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19T, T24C	
1	Forward	G11A, T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19T, T24C	

#Accessions	Oligo	Mutation	Impact
Pentatrichomonas hominis/5728 Analyzed Accessions: 72			
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A15T, T16G, A18T, A19C, T24C	
62	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T16C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, T7C, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A11C, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	G13A, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	A11G, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	G6A, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T13C, T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	A8G, T9C, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	G1-, G2-, T15C, T17C	Not Detected
	Probe	A8-, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Tetratrichomonas gallinarum/5730 Analyzed Accessions: 60			
49	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
8	Forward	T15C	Not Detected

#Accessions	Oligo	Mutation	Impact
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, T17C, A18T, A19C, T24C	
1	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, T17C, A18T, A19G, T24C	
1	Forward	T4G, T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T13C, T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Histomonas meleagridis/135588 Analyzed Accessions: 49			
30	Probe	G3A, G23A	Not Detected
	Reverse	A18G, A22T, T24A	
11	Probe	G3A, G23A	Not Detected
	Reverse	A18T, A22T, T24A	
1	Forward	G1-, G2-	Not Detected
	Probe	G3A, G23A	
	Reverse	A18G, A22T, T24A	
1	Probe	G3A, G23A, T25C	Not Detected
	Reverse	A18G, A22T, T24A	
1	Probe	G3A, G22-	Not Detected
	Reverse	A19-, A22T, T24A	
1	Forward	T4G, T9C	Not Detected
	Probe	A1G, G3A, G23A	
	Reverse	A18T, A22T, T24A	
3	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	G11A, T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Monocercomonas colubrorum/135485 Analyzed Accessions: 42			
4	Forward	T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, A14T, A15T, T16G, A18T, A22T, T24C	
3	Forward	T15C, T16C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, A14T, A15T, T16G, A18T, A22T, T24C	

#Accessions	Oligo	Mutation	Impact
31	Forward	C14T, T15C, T17C	Not Detected
	Probe	G3A, C21T, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	C14T, T15C, T17C, A18G	Not Detected
	Probe	G3A, C21T, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
3	Forward	C14T, T15C, T17C	Not Detected
	Probe	G3A, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Funneliformis coronatus/1117309 Analyzed Accessions: 42			
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
40	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25A, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
Conidiobolus coronatus/34488 Analyzed Accessions: 32			
32	Forward	G5C, T13A, T16G, T17A, A18T, C19A	Not Detected
	Probe	T9A, A11C, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T16A, T17G, A19T	
Tetratrichomonas brumpti/321953 Analyzed Accessions: 25			
13	Forward	T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A19C, T24C	
11	Forward	T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T6A, T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Trichomitopsis minor/1312421 Analyzed Accessions: 24			
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, T24C	
17	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	

#Accessions	Oligo	Mutation	Impact
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
3	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19T, T24C	
1	Forward	T15C, T17C, A18G	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	T5C, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	A8G, C21A, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A11C, A15T, T16G, A18T, A19C, T24C	
Simplicimonas moskowitzi/723910 Analyzed Accessions: 22			
14	Forward	T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, A14T, A15T, T16G, A18T, A22T, T24C	
2	Forward	T15C, T16C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, A14T, A15T, T16G, A18T, A22T, T24C	
4	Forward	C14T, T15C, T17C	Not Detected
	Probe	G3A, C21T, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T16C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, A14T, A15T, T16G, A18T, C21G, A22T, T24C	
1	Forward	C14T, T15G, T17C	Not Detected
	Probe	G3A, C21T, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Trichonympha collaris/521161 Analyzed Accessions: 22			
17	Forward	T9C, G10A, C14G, T16A, T17C	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
2	Forward	T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
1	Forward	T9C, G10A, C14G, T16A, T17C	Not Detected
	Probe	A1G, G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	

#Accessions	Oligo	Mutation	Impact
1	Forward	T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, A10T, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
1	Forward	G5A, T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, G20A, C21T	
Tritrichomonas/5723 Analyzed Accessions: 20			
1	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, T17G, A22T, T24A	
1	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T24C	
1	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, T24C	
13	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
3	Forward	C14T, T15C	Not Detected
	Probe	T14C, T25A, A26G	
	Reverse	T6A, A8G, A15T, T16G, T17A, T24C	
1	Forward	C14T, T15C	Not Detected
	Probe	T14C, T25A, A26G	
	Reverse	T6A, A8G, A11G, T16G, T17A, T24C	
Trichonympha sphaerica/521162 Analyzed Accessions: 17			
14	Forward	T9C, G10A, C14G, T16A, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
3	Forward	G5A, T9C, G10A, G11T, C14G, T16A, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
Trichonympha campanula/521165 Analyzed Accessions: 17			
15	Forward	T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T17C, T24C	
2	Forward	T9C, G10A, C14G, T16A, T17C, A18G, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T17C, T24C	

#Accessions	Oligo	Mutation	Impact
Trichonympha postcylindrica/1312420 Analyzed Accessions: 16			
14	Forward	T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
1	Forward	T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, T4C, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
1	Forward	T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, T9C, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
Blastocystis/12967 Analyzed Accessions: 13			
13	Forward	G5A, T17G, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, A11T, T14C, C21T, G22A, G23A, C24T, T25G, A26C	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A14G, +15G, A19T	
Simplicimonas/723909 Analyzed Accessions: 11			
7	Forward	T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A15T, T16G, A18T, A22T, T24C	
2	Forward	T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, A18T, A22T, T24C	
1	Forward	T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, A15T, T16G, A18T, A22T, T24C	
1	Forward	T15C	Not Detected
	Probe	T14C, G23A, A26G	
	Reverse	A8G, A15T, T16G, A18T, A22T, T24C	
Glomus/4875 Analyzed Accessions: 10			
8	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
2	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12G, A19T	
Holomastigotes/2486643 Analyzed Accessions: 9			
2	Forward	T9C, T16C	Not Detected
	Probe	T4C, T5G, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24G	
6	Forward	T9C, T16C	Not Detected

#Accessions	Oligo	Mutation	Impact
	Probe	T4C, T5G, T12C, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24G	
1	Forward	T9C, T16C	Not Detected
	Probe	T4C, T5G, T12C, T14C, A26G, G27A	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24G	
Galanthus elwesii/82232 Analyzed Accessions: 8			
8	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	G3A, T5A, T9A, G13A, A19C, G20T, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14G, A18T, A19T	
Tetratrichomonas buttreyi/321954 Analyzed Accessions: 8			
8	Forward	T15C, T17C	Not Detected
	Probe	A16T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, T17C, A18T, A19T, T24C	
Pneumocystis/4753 Analyzed Accessions: 7			
3	Forward	G5C, C12T, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
4	Forward	G5C, C12T, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T9-, C10-, A11-, C12-, A18C, A19T	
Trichonympha agilis/63628 Analyzed Accessions: 7			
7	Forward	T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, A18C, T24C	
Conidiobolus/34487 Analyzed Accessions: 6			
6	Forward	G5C, T13A, T16G, T17A, A18T, C19A	Not Detected
	Probe	T9A, A11C, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T16A, T17G, A19T	
Glomus dimorphicum/47031 Analyzed Accessions: 6			
6	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
Trichomitopsis termopsidis/199295 Analyzed Accessions: 6			
5	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, T17C, A18T, A19T, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	T14C, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, T17C, A18T, A19T, T24C	

#Accessions	Oligo	Mutation	Impact
Microjoenia/2864023 Analyzed Accessions: 6			
1	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22T, T24C	
5	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24C	
Trichomonas/5721 Analyzed Accessions: 4			
4	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Elatostema/226089 Analyzed Accessions: 4			
4	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Pneumocystis carinii/4754 Analyzed Accessions: 4			
4	Forward	G5C, T16C, T17G, A18C, C19G	Not Detected
	Probe	T5G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +12T, A18C, A19T	
Tritrichomonas mobilensis/56778 Analyzed Accessions: 4			
4	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
Galanthus peshmenii/261536 Analyzed Accessions: 4			
4	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	G3A, T5A, T9A, G13A, A19C, G20T, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14G, A18T, A19T	
Glomeromycotina sp./2026243 Analyzed Accessions: 4			
4	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
Trichomonas gallinae/56777 Analyzed Accessions: 3			
1	Probe	G3A, G23A	Not Detected
	Reverse	A18T, A22T, T24A	
1	Forward	T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A15T, T16G, A18T, A22T, T24C	
1	Forward	T15C	Not Detected
	Probe	T14C, A26G	

#Accessions	Oligo	Mutation	Impact
	Reverse	A8G, A11G, A14T, A15T, T16G, A18T, A22T, T24C	
Tritrichomonas augusta/5725 Analyzed Accessions: 3			
3	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, T24C	
Tritrichomonas muris/5726 Analyzed Accessions: 3			
2	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, T24C	
1	Forward	C14T	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, T24C	
Racocetra fulgida/60492 Analyzed Accessions: 3			
2	Forward	G5C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, G23A, C24T, T25G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
1	Forward	G5C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, C21T, G22A, G23A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Trichonympha/63627 Analyzed Accessions: 3			
1	Forward	T9C, G10A, C14G, T16A, C19A	Not Detected
	Probe	G3A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
1	Forward	T9C, G10A, C14A, T16A, T17C, C19T	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
1	Forward	T9C, G10A, C14G, T16A, T17C, C19A	Not Detected
	Probe	G3A, T17A, C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
Anaeromyces/105135 Analyzed Accessions: 3			
1	Forward	G5C, C12T, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, T9A, T14C, C21T, C24G, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A13G, A14T, A18C, A19T	
1	Forward	G5C, C12T, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, T9A, T14C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A13G, A14T, A18C, A19T	
1	Forward	G5T, C12T, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A13G, A14T, A18C, A19T	

#Accessions	Oligo	Mutation	Impact
Tetratrichomonas limacis/227238 Analyzed Accessions: 3			
2	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, +10C, A15T, T16G, A18T, A19C, T24C	
Trichomitopsis parvus/1312422 Analyzed Accessions: 3			
3	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19T, T24C	
Trichonympha turkestanica/3135423 Analyzed Accessions: 3			
3	Forward	T9C, G10A, C14G, T16A, T17C, C19G	Not Detected
	Probe	C21T, G23A, T25A, A26G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A15C, T16G, T24C	
Elatostema stewardii/1399684 Analyzed Accessions: 2			
2	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Rhizophagus fasciculatus/47032 Analyzed Accessions: 2			
2	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
Zingiber officinale/94328 Analyzed Accessions: 2			
2	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T4A, T5A, C7T, T9A, T14C, G20T, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14T, A18C, A19T	
Histomonas/135587 Analyzed Accessions: 2			
1	Forward	T8C, T9C	Not Detected
	Probe	G3A, G23A	
	Reverse	A18G, A22T, T24A	
1	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Tritrichomonas nonconforma/174567 Analyzed Accessions: 2			
2	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, T24C	
Tetratrichomonas prowazeki/227237 Analyzed Accessions: 2			

#Accessions	Oligo	Mutation	Impact
2	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Honigbergiella/496875 Analyzed Accessions: 2			
2	Forward	T15C, T17C	Not Detected
	Probe	C21T, A26G	
	Reverse	C1-, A8G, A15T, T16G, A18T, A19T, T24C	
Elatostema grande/647268 Analyzed Accessions: 2			
2	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Simplicimonas similis/723912 Analyzed Accessions: 2			
1	Forward	T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, A18T, A22T, T24C	
1	Forward	T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, A15T, T16G, A18T, A22T, T24C	
Elatostema edule/1661586 Analyzed Accessions: 2			
1	Forward	G5A, T9A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
1	Forward	G5A, T9A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, A10G, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema strigillosum/1661597 Analyzed Accessions: 2			
2	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema suzukii/1785670 Analyzed Accessions: 2			
2	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Tritrichomonas musculus/1915356 Analyzed Accessions: 2			
2	Forward	C14T, T15C	Not Detected
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T24C	
Conidiobolus lunulus/2699084 Analyzed Accessions: 2			
2	Forward	G5C, T13A, T16G, T17A, A18T, C19A	Not Detected

#Accessions	Oligo	Mutation	Impact
	Probe	T9A, A11C, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T16A, T17G, A19T	
Funneliformis pilosus/2730120 Analyzed Accessions: 2			
2	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5G, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
Spirotrichonympha tibialis/2974456 Analyzed Accessions: 2			
2	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24C	
Pseudospironympha altilis/3075712 Analyzed Accessions: 2			
1	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G	
	Reverse	T6C, A8G, A15G, T17A, A18C, A22T, T24C	
1	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G	
	Reverse	T6C, A8G, A15G, T17A, A18C, A22C, T24C	
Psilotum nudum/3240 Analyzed Accessions: 1			
1	Forward	G1-, G5A, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, A19C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Trichomonas canistomae/227239 Analyzed Accessions: 1			
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Monocercomonas/5736 Analyzed Accessions: 1			
1	Forward	C14T, T15C, T17C	Not Detected
	Probe	G3A, C21T, G23A, A26G	
	Reverse	C1-, G2-, A8G, A15T, T16G, A18T, A19C, T24C	
Ditrichomonas honigbergii/39049 Analyzed Accessions: 1			
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, A26G	
	Reverse	C1-, A8G, A15T, T16G, A19C, A22G, T24C	
Elliottia bracteata/45893 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G	Not Detected
	Probe	T5A, A8G, T9A, T14C, A19C, G20T, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, A13G, A14G, A18C, A19T	
Tritrichomonas suis/56690 Analyzed Accessions: 1			
1	Forward	C14T, T15C	Not Detected

#Accessions	Oligo	Mutation	Impact
	Probe	T14C, A26G	
	Reverse	A8G, A11G, T16G, T17A, A22T, T24A	
Monotrichomonas/85695 Analyzed Accessions: 1			
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, A26G	
	Reverse	C1-, A8G, A15T, T16G, A19C, A22G, T24C	
Lycoris squamigera/112568 Analyzed Accessions: 1			
1	Forward	G5A, T16C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, A19C, G20T, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13T, A18C, A19T	
Galanthus gracilis/197690 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	G3A, T5A, T9A, G13A, A19C, G20T, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14G, A18T, A19T	
Cochlosoma anatis/227314 Analyzed Accessions: 1			
1	Forward	C7T, T15C	Not Detected
	Probe	C7T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, C12A, T16A, +16G, A18T, A19C, T24C	
Crossomitrium epiphyllum/245420 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, A19C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14T, A18C, A19T	
Honigbergiella ruminantium/496876 Analyzed Accessions: 1			
1	Forward	T15C, T17C	Not Detected
	Probe	C21T, A26G	
	Reverse	C1-, A8G, A15T, T16G, A18T, A19C, T24C	
Hexamastix mitis/496878 Analyzed Accessions: 1			
1	Forward	T15C, T16C, T17C, A18T, C19T	Not Detected
	Probe	G3A, T5G, T17A, C21T, G23A, T25G, A26G	
	Reverse	C1-, T7G, A8G, A13G, A15T, T16G, A19T, T24C	
Trichomonadida sp. mockingbird/California/2008/507490 Analyzed Accessions: 1			
1	Forward	T15C	Not Detected
	Probe	C7T, C21T, G22A, G23A, A26G	
	Reverse	C1-, G2-, A8G, C12A, A14G, A18T, A19-, T24C	
Crossomitrium sintenisii/1096328 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, A19C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14T, A18C, A19T	
Funneliformis/1117308 Analyzed Accessions: 1			

#Accessions	Oligo	Mutation	Impact
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +15A, A19T	
Funneliformis monosporus/1213868 Analyzed Accessions: 1			
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T16A, A19T	
Elatostema acuteserratum/1661585 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema hirtellipedunculatum/1661588 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19C	
Elatostema subcoriaceum/1661598 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema villosum/1661602 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Pseuduvaria indochinensis/1679246 Analyzed Accessions: 1			
1	Forward	G5C, T17G, A18C, C19A	Not Detected
	Probe	T5A, A8G, T9A, T14C, A19C, G20T, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14G, A19T	
Elatostema banahaense/1785616 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema calcareum/1785619 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, G13A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema grandifolium/1785627 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	

#Accessions	Oligo	Mutation	Impact
Elatostema japonicum/1785637 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema kraemeri/1785638 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema lineare/1785641 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema lithoneurum/1785642 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema lutescens/1785646 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema morobense/1785652 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema samoense/1785662 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema strictum/1785668 Analyzed Accessions: 1			
1	Forward	G5A, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Elatostema variolaminosum/1785674 Analyzed Accessions: 1			
1	Forward	G5A, T9C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T5A, T9A, T14C, A19C, C21T, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13G, A18C, A19T	
Trichomonadida sp. common myna/Tehran/2014/1912316 Analyzed Accessions: 1			
1	Forward	T15C	Not Detected
	Probe	C7T, C21T, G22A, G23A, A26G	

#Accessions	Oligo	Mutation	Impact
	Reverse	C1-, G2-, A8G, C12A, A14G, A18T, A19-, T24C	
Cladochytriales sp./2011712 Analyzed Accessions: 1			
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, T5A, A8G, T9A, T14C, C21T, G22A, G23A, C24T, T25G	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +14G, A18C, A19T	
Holomastigotes flavipes/2486646 Analyzed Accessions: 1			
1	Forward	T9C, T16C	Not Detected
	Probe	T4C, T5G, T12C, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24G	
Holomastigotes tibialis/2486647 Analyzed Accessions: 1			
1	Forward	T9C, T16C	Not Detected
	Probe	T4C, T5G, T12C, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24G	
Funneliglomus sanmartinense/2568337 Analyzed Accessions: 1			
1	Forward	G5C, T16C, T17G, A18C, C19A	Not Detected
	Probe	T4C, A8G, T9A, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, +13T, A18C, A19T	
Tetratrichomonas anseris/2933610 Analyzed Accessions: 1			
1	Forward	T15C	Not Detected
	Probe	C21T, G22A, G23A, A26G	
	Reverse	C1-, A8G, A15T, T16G, A18T, A19C, T24C	
Tritrichomonas casperi/2962107 Analyzed Accessions: 1			
1	Forward	C14T, T15C	Not Detected
	Probe	T14C, T25A, A26G	
	Reverse	T6A, A8G, A15T, T16G, T17A, T24C	
Spironympha/2971523 Analyzed Accessions: 1			
1	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24A	
Spironympha kofoidi/2971524 Analyzed Accessions: 1			
1	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24C	
Pseudospironympha oblonga/2971532 Analyzed Accessions: 1			
1	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G, G27A	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24C	
Nanospironympha obtusa/2971534 Analyzed Accessions: 1			
1	Forward	T15C, T17C	Not Detected

#Accessions	Oligo	Mutation	Impact
	Probe	T5G, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24C	
Microjoenia tonsurae/3075716 Analyzed Accessions: 1			
1	Forward	T15C	Not Detected
	Probe	T5G, T14C, A26G	
	Reverse	A8G, A15G, T17A, A18C, A22C, T24C	
Phytopythium aff. vexans 3 KB-2023/3080042 Analyzed Accessions: 1			
1	Forward	G5C, T13A, T16G, T17A, A18T, C19A	Not Detected
	Probe	T9A, A11C, T14C, C21T, G22A, C24T, T25G, A26T	
	Reverse	C1-, G2-, A3-, A4-, C5-, T6-, T7-, A8-, T16A, T17G, A19T	