

Assay Target	Species/Tax-ID Detected	# No. of Accessions	Accessions	Mutation	Oligo	Impact
			1114	No Mutations	NA	Detected
			16	C1-	Forward	Detected
			6	C1-, C2-	Forward	Detected
			1	T17C	Forward	Not Detected
			3	C8T	Forward	Detected
			1	A6C	Reverse	Detected
			1	T17A	Forward	Not Detected
			2	T11C	Reverse	Detected
			1	C1G	Probe	Detected
			2	G9T	Forward	Detected
			1	A18A	Reverse	Detected
			1	A13G	Forward	Detected
			1	C8G	Forward	Detected
			1	G19A	Probe	Detected
			2	A13C	Forward	Detected
			1	T5G	Reverse	Detected
			1	T2A	Probe	Detected
			2	A10C	Reverse	Detected
			1	G9C	Forward	Detected
			1	C3A	Forward	Detected
			3	T7A	Forward	Detected
			2	T7C	Forward	Detected
			1	T10G	Forward	Detected
			10	C1-, C2-, C3-	Forward	Detected
			5	+6A	Forward	Detected
			1	+18A	Probe	Detected
			1	+8T	Forward	Detected
			55	+1C	Probe	Detected
			5	C1-, C2-, C3-, A4-	Forward	Detected
			2	A4-, A3-, A2-, T1-	Reverse	Detected
			9	C8-	Forward	Detected
			2	C17A	Reverse	Detected
			8	T7A, C8T	Forward	Detected
			3	C1T	Probe	Detected
			4	G5A	Forward	Detected
			3	G9C, T10G	Forward	Not Detected
			1	A9G	Reverse	Detected
			2	C10T	Probe	Detected

2	G19I	Probe	Detected
1	G23A	Probe	Detected
6	C1-, C2-, C3-, A4-, G5-	Forward	Detected
1	G3T, T17G	Probe	Detected
1	C24T	Reverse	Not Detected
1	A9C	Reverse	Detected
1	G5A, T7A	Forward	Detected
1	T5-, A4-, A3-, A2-, T1-	Reverse	Detected
7	C1-, C2-, C3-, A4-, G5-, A6-	Forward	Detected
1	+8A	Reverse	Detected
1	A6-, T5-, A4-, A3-, A2-, T1-	Reverse	Detected
1	A18-, G19-	Probe	Detected
19	C1-, C2-, C3-, A4-, G5-, A6-, T7-	Forward	limited coverage (excluded)
1	C3A, G9-	Forward	Detected
1	C1-, C2-	Forward	Detected
	T17C	Probe	
1	A4G, A6T, A13C	Forward	Not Detected
1	A6C	Probe	Detected
23	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Forward	limited coverage (excluded)
1	+10T	Reverse	Detected
1	G9-, +5G	Forward	Detected
1	C1-, C2-, C3-, A4-, G9-	Forward	Not Detected
1	A15T	Probe	Detected
22	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Forward	limited coverage (excluded)
1	T8-	Reverse	Detected
1	A15-	Probe	Detected
1	C1G, A6-	Probe	Detected
1	A10G	Probe	Detected
31	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
1	A21G	Probe	Detected
1	G9C, A19C, A20C	Forward	Not Detected
17	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
1	+5R	Forward	Detected
1	G5A	Forward	Detected

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	T7-, A6-, T5-, A4-, A3-, A2-, T1-		coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
	+2T	Probe	
1	G5A	Forward	Detected
	T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
5	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-	Forward	limited coverage (excluded)
1	A4T, C8T, T10G, T17C	Forward	Not Detected
	C8A, T22C	Probe	
8	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
	C1T, G3T	Probe	
1	T23G	Reverse	Not Detected
1	G5T	Forward	Detected
	T12A	Probe	
	A4-, A3-, A2-, T1-	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-	Forward	limited coverage (excluded)
	+17A	Probe	
	+19T	Reverse	
1285	forward_missing	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Forward	limited coverage (excluded)
	+19T	Reverse	
1	C8-, A13C	Forward	Detected
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-, A19-	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
	+15T	Probe	
1	G12-, A6G	Reverse	Detected
1	C8-, +13G	Forward	Further Analysis
	+2C, +6G	Probe	
	+17G	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	A6C	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	Forward	limited coverage (excluded)
	T12-	Probe	
1	G16C, T17G, G18T	Forward	Not Detected
	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-,	Forward	limited

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7	reverse_missing	Reverse	coverage (excluded)
3	forward_missing	Forward	limited coverage (excluded)
	C4G	Probe	
1	C1-, C2-, G5T	Forward	Detected
	G19A	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
	+19A	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
	T1-	Reverse	
1	+23A	Reverse	Not Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, A20T	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, T11C	Forward	Not Detected
	A2-, T1-	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	C7G	Probe	
1	A6-	Probe	Detected
	A6A, +17G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A18-, C17-, C16-, C15-, C14-, C13-, G12-, T11-, A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A2-, T1-	Reverse	
41	forward_missing	Forward	limited coverage (excluded)
	+1C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	G3-	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
	C14T, C13A	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A18G	Reverse	
26	forward_missing	Forward	limited coverage (excluded)
	A6-	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
	G19A, T22A	Probe	
1	A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	limited coverage (excluded)
	forward missing	Forward	limited

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			(excluded)
19	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, +4NT	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A11C, T12C	Probe	
1	C1T, A6C, A13C	Probe	Not Detected
1	A13C, G19C	Probe	Further Analysis
	C13C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C20-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6C, +11A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C8-, +23C	Probe	
4	forward_missing	Forward	limited coverage (excluded)
	C1A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+18A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+7G	Probe	
4	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4T, A21-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C16C, C15C	Reverse	
1	C1-, C2-, C3-, A4-, A19C, A20C	Forward	Not Detected
	A18-, C17-, C16-, A10C, A3G	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
	T2A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A15G, G19T, +19A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A10G, +7A	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G18-, A19-, A20-	Forward	limited coverage (excluded)
	T2G	Probe	
1	A6T, C8T, G18A	Forward	Not Detected
	C2C, A10C, T16C	Reverse	

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1	C1-, A6-	Probe	coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	A15G, C20A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C5T	Probe	
16	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A21-	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
	C14-, C13-, G12-, T11-, A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, C7A, G9A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2C, A6G, C7A, C8A, G9A, A18C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, A6C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C20G	Probe	
7	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4T, C5T, +7A	Probe	
1	C1-, T2-, A6-, T17-, T22-	Probe	Not Detected
	A19-	Reverse	
1	C8G, A13C, T22G	Probe	Not Detected
	C24A	Reverse	
1	G5T, G9T	Forward	Not Detected
	A6C, G9A, C14T, A15T, G19A, C20T, A21G	Probe	
	C24T, C20T, G12T, T11T	Reverse	
1	C1-, G5C, C8G, A13T	Forward	Not Detected
1	forward_missing	Forward	limited coverage (excluded)
	C5G, C7A, T12-, +7A	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A13T, T17C	Forward	limited coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	A15G, C20A, +2C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1G, A6-, C8G, G9A	Probe	

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1	forward_missing	Forward	limited coverage (excluded)
	C5T, A6-, C7-	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-	Probe	
1	C1-, G3C, T16-, T17-	Probe	Not Detected
	A19-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C8A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C7G, A11G	Probe	
	C15C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C24A, T7C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C5-	Probe	
	A10-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	+9T	Probe	
	T11T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C4T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C4A, C7-, C8-	Probe	
12	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, A21T, T22A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, G9A, G19T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, G19C, C20G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, A11-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+12T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-	Probe	
	A3G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, +19G	Probe	

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29	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, +17T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C4A, C8-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, +22C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4T, A6-, A10G, T12G, A21C, T22C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+12T, +17T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, +17TT	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6-	Probe	
	T8C, T7C	Reverse	
4	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A15T, G19C, +3G	Probe	
	G12G	Reverse	
10	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16A	Probe	
11	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-	Probe	
1	C25C, A22A, C17A, G12-, T11-, A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	limited coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	G9T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A15C	Probe	
	forward_missing	Forward	limited

1	C1-, T2-, G3-, C4-, C5-, A6-, C7-, A15-, G19T, C20G	Probe	coverage (excluded)
5	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1T, G3T, C4A	Probe	
	A2-, T1-, +12A, +9A	Reverse	
3	+1C	Probe	limited coverage (excluded)
	reverse_missing	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6T, +19G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6G, A10G, +18T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, A6C, T12-	Probe	
4	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C5A, A6-, C7-	Probe	
	A19-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1T, T2G	Probe	
1	C8G, A13C	Probe	Further Analysis
	A18G	Reverse	
6	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-	Probe	
1	G3C, A6C, A13C, G19C	Probe	Not Detected
	C24A, A22A, A18G, C13C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C24-, T23-, A22-, T21-, C20-, A19-, A18-, C17-, C16-, C15-, C14-, C13-, G12-, T11-, A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	Probe	
	T1-	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	C1T, C8-	Probe	
	A19-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A13T, +1C	Probe	

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1	forward_missing	Forward	limited coverage (excluded)
	A6-, A15-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1G, C5A, A6G	Probe	
3	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, G9A, A15-, G19T, A21-	Probe	
1	G5T, G9T	Forward	Not Detected
	A6C, G9A, C14T, A15T, G19A, C20T, A21G, G24A	Probe	
	C24T, A19G, G12T, T11T, T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	Probe	
	C15C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C4G, +4AA, +16A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, T22C	Probe	
	A19-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	Probe	
	C15A	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G19A, +1C	Probe	
3	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C5T, A6T, C7T, C8A	Probe	
	A10-, A2-, T1-	Reverse	
10	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-	Probe	
	G12-, T11-, A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	forward_missing	Forward	limited
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, C9-, A10-		

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1	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-, G23-	Probe	coverage (excluded)
1	T17-	Forward	Not Detected
	G3C, A6-, C7-, A13G, T22G, G24-	Probe	
	A19-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T2C, A6C, A11-, A21C, T22C, +19Y	Probe	
1	G5C, C8A, G9T	Forward	Not Detected
	A6C, G19T, G24T	Probe	
85	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-	Forward	limited coverage (excluded)
	C1T, T2C, G3T, A6T, C7T, A13C, A15T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, +17TT	Probe	
	T5T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, T22C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	Probe	
	A3G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, +3NT	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G19A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, C14G, A15-	Probe	
	A19-, A18-, C17-, C16-, C15-, C14-, C13-, G12-, T11-, A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, +12T, +17TT	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6-, A11-, A15-, A21T, T22G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T5T	Reverse	
1	A2-, T1-	Reverse	Detected
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-,		
	A11-, T12-, A13-, C14-, A15-, T16-, G24C	Probe	

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1	C1T, T2C, A6G, C7T, C8T, A15G, T17C	Probe	Not Detected
	A9C, T8G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6-, +1C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2C, G3T, C4G, A6G, A11G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C4T, C5A, A6C, C7A, +19G	Probe	
	T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T2G, C4G, A6G, C7A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+1C	Probe	
	reverse_missing	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6G, C7A, A15C, +3G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A15-, G19A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A21C, T22C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, +17T	Probe	
	+17C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, T12-, C20A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, C8-, A13-, T17-	Probe	
	A19-, A10-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6G, C7A, +1G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C8T	Probe	
	T8G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, A6G, C7A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, T12-, A15T, G19C, C20A, A21T	Probe	
	T21G, A19A, G12G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, G19T, A21C, T22C	Probe	

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1	G5T, G9T, T17A	Forward	Not Detected
	A6C, G9A, C14T, A15T, G19A, C20T, A21G	Probe	
	C24T, C20T, A19G, T11T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A15C, G19C, +9C, +20C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, A15C, T17C, T22A, +11R	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2C, T16C, +9C, +16C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+1T	Probe	
	reverse_missing	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-	Probe	
	G12G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe	
	+20C, +14C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C5T, A6T, C8A, G9A	Probe	
	+19TA, +13T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T2G, A6T, A11T, A21C	Probe	
1	C1-, C2-, C3-, A4-, G5-, C8A, T17C	Forward	Not Detected
	A6C, A18T, G19T, G24T	Probe	
	A19A, T8T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A15-, G19A	Probe	
	T7T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, A15-	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15T	Forward	limited coverage (excluded)
	C1G, A10G, T16G, T17A	Probe	
	reverse_missing	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T23-, A22-, T21-, C20-, A19-, A18-, C17-, C16-, C15-, C14-, C13-, G12-, T11-, A10-, A9-, T8-, T7-		
		Reverse	

	, A6-, T5-, A4-, A3-, A2-, T1-		
1	forward_missing	Forward	limited coverage (excluded)
	C8-, +2T	Probe	
	reverse_missing	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, C5G	Probe	
	C24A, T11T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, C8-, T12G, T17G	Probe	
	A22-, A19-, A18G	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
	C1T, T2C, A6G, C7T, C8T, A15G, T17C	Probe	
	A9C, T8G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6C, A15C, +1C	Probe	
	T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T12A, G19C, A21T, T22G, +3G	Probe	
	T21G, G12G, T11G, T5T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1T, C8-, T22C	Probe	
	A19-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	+2AT	Probe	
	reverse_missing	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3A	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	Forward	limited coverage (excluded)
	C8G, A13C, G19C, T22G	Probe	
	C24A, A22A, A18G, C13C	Reverse	
47	No Mutations	NA	Detected
1	C1-, C2-	Forward	Detected
1	G5A	Forward	Detected
1	C1T	Probe	Detected
2	+6A	Forward	Detected
1	T7A, C8T	Forward	Detected
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Forward	limited coverage (excluded)
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-	Forward	Detected

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1	C1-, C2-, C3-, A4-, G5-	Forward	Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
7	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
1	C1T	Probe	Detected
	A10C	Reverse	
3	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
1	A13-	Probe	Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	Forward	limited coverage (excluded)
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
3	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, A19G	Forward	limited coverage (excluded)
59	forward_missing	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	Forward	limited coverage (excluded)
1	+17G	Reverse	Detected
1	C1-, C2-, C3-	Forward	Detected
	A13C	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C1T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+11A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+9C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A21-	Probe	
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
	C1T, A6C, A11T, A15T, G19C, +2TAAAC	Probe	
1	G18A	Forward	Not Detected
	G3C, A6C, C14T	Probe	
	T21G, A19G, A18G, T8T, T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C8A, +8A	Probe	

				2	forward_missing	Forward	limited coverage (excluded)
					C1-, T2-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					T2G, A6-, A15-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, G3-, C4-, C5-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, +21A	Probe	
			6		forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, G3-, C4-, C5-, A6-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					C8-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, A6C, A11T, A15T, G19C	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, G3-, C4-, C5-, A6-, +17N	Probe	
			2		forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					A6-, C7-	Probe	
			1	1	forward_missing	Forward	limited coverage (excluded)
					C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-	Probe	
					C17-	Reverse	
			7	7	forward_missing	Forward	limited coverage (excluded)
					probe_missing	Probe	
			26		No Mutations	NA	Detected
			1		C1-, T7A	Forward	Detected
			1		C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Forward	limited coverage (excluded)
			1		G9C, T10G, +13AC	Forward	Further Analysis
			1		T11A, T12A	Forward	Detected
			1		C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)

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28	forward_missing	Forward	limited coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	+2A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2G, A6-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G9C	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+17CN	Probe	
	A18C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	+3G, +17T	Probe	
1	C1-, C2-, C3-, A4-, G5-	Forward	Detected
	+1C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe	
6	No Mutations	NA	Detected
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-	Probe	
			limited

Vermamoeba vermiformis/5778

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Acanthamoeba palestinensis/28015		27	12	forward_missing	Forward	coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				+2A	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				T11T	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				T2G, A6-	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				+17T	Probe	
				+17C	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-	Probe	
	Allomyces/28581	1	1	A6C, T7A, C15T, G16T	Forward	Not Detected
				C1T, A6T, C7-, C8-, C14T, A15C	Probe	
				T7G	Reverse	
Acanthamoeba griffini/29195		25	6	No Mutations	NA	Detected
			2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
			2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
			1	+17G	Reverse	Detected
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T17G	Forward	limited coverage (excluded)
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	Forward	limited coverage (excluded)
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-	Forward	limited coverage (excluded)
			8	forward_missing	Forward	limited coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				C8A	Probe	
				C17-, A2-, T1-	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				C5A, A6G, A15-	Probe	
			3	No Mutations	NA	Detected

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39	+1C	Probe	Detected
1	+18C	Probe	Detected
1	C8T	Forward	Detected
	+1C	Probe	
1	+1C, +5N	Probe	Detected
1	C8-	Forward	Detected
	+1C	Probe	
1	T7G, C8T	Forward	Detected
	+1C	Probe	
1	T12A, A13T	Forward	Detected
	+1C	Probe	
1	A6C, +1C	Probe	Detected
2	G19A, +1C	Probe	Detected
2	C1-, C2-, C3-, A4-, G5-, A6-	Forward	Detected
	+1C	Probe	
1	C1-, +7T	Forward	Detected
	A6C, +1C	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-	Forward	limited coverage (excluded)
	+1C	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Forward	limited coverage (excluded)
	+1C	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-	Forward	Detected
	A6C, +1C	Probe	
1	G5A, T7A, T12-	Forward	Not Detected
	+1C	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
	+1C	Probe	
1	C1-, C2-, C3-	Forward	Not Detected
	A13T, +1C	Probe	
6	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
	+1C	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	Forward	limited coverage (excluded)
	+1C	Probe	
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
	+1C	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T12A	Forward	Not Detected
	A13T, +1C	Probe	

Acanthamoeba lenticulata/29196

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1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
	+1C	Probe	
11	forward_missing	Forward	limited coverage (excluded)
	+1C	Probe	
9	forward_missing	Forward	limited coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	C5G, +1C	Probe	
3	forward_missing	Forward	limited coverage (excluded)
	C1-	Probe	
1	A6T, C8T, T12A, A13G, T17G	Forward	Not Detected
	A13T, G19T	Probe	
	C17C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+9T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-	Probe	
3	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, A6G, C8A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2C, C4G, +6G	Probe	
1	forward_missing	Forward	limited coverage
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-,	Probe	

				A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-	Forward	(excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				C16T	Reverse	
	Acanthamoeba rhysodes/32599	5	3	No Mutations	NA	Detected
			1	C1-, C2-, C3-, A4-	Forward	Detected
			1	forward_missing	Forward	limited coverage (excluded)
	Acanthamoeba royreba/32600	2	2	No Mutations	NA	Detected
			11	No Mutations	NA	Detected
			1	C1-, C2-, C3-, C8T	Forward	Not Detected
			1	C1T, G3T, A6C	Probe	Not Detected
				+16T	Reverse	
			1	C1T, G3T, A6C, G19C, A21C	Probe	Not Detected
			30	forward_missing	Forward	limited coverage (excluded)
			3	forward_missing	Forward	limited coverage (excluded)
				+11A	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				+16A	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				A18G	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				A15-	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	Probe	
			4	No Mutations	NA	Detected
			3	forward_missing	Forward	limited coverage (excluded)
			1	A6C, T7A, C15T, G16T	Forward	Not Detected
				C1T, A6T, C7-, C8-, C14T, A15C	Probe	
				T7G	Reverse	
				A6C, T7A, C15T, G16T	Forward	

	Allomyces moniliiformis/64506	2	2	C1T, A6T, C7-, C8-, C14T, A15C	Probe	Not Detected
				T7G	Reverse	
	Allomyces neomoniliiformis/64507	1	1	A6C, T7A, C15T, G16T	Forward	Not Detected
				C1T, A6T, C7-, C8-, C14T, A15C	Probe	
				T7G	Reverse	
	Acanthamoeba astronyxis/65658	6	3	No Mutations	NA	Detected
			1	reverse_missing	Reverse	limited coverage (excluded)
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
				reverse_missing	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-	Probe	
	Acanthamoeba comandoni/65659	2	1	C25A	Reverse	Not Detected
			1	C8T, C15T	Forward	limited coverage (excluded)
				C8T	Probe	
				reverse_missing	Reverse	
	Acanthamoeba hatchetti/65660	39	14	No Mutations	NA	Detected
			1	C4T	Probe	Detected
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
				A18C	Reverse	
			19	forward_missing	Forward	limited coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				T11G	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				A6G, +15G	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				T16C, A18T, +9T, +18CAC	Probe	
	Acanthamoeba healyi/65661	7	2	No Mutations	NA	Detected
				A6C	Probe	Detected
			1	C8A, G9C	Forward	Not Detected
				A6C, A15C	Probe	
			2	forward_missing	Forward	limited coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-, A6-	Probe	
	Acanthamoeba nearcei/65662	2	1	No Mutations	NA	Detected
						limited

			1	<table><tr><td>forward_missing</td><td>Forward</td></tr><tr><td colspan="2"></td></tr></table>	forward_missing	Forward			coverage (excluded)				
forward_missing	Forward												
	Acanthamoeba pustulosa/65663	1	1	<table><tr><td>No Mutations</td><td>NA</td></tr><tr><td colspan="2"></td></tr></table>	No Mutations	NA			Detected				
No Mutations	NA												
	Acanthamoeba stevensoni/65664	2	2	<table><tr><td>No Mutations</td><td>NA</td></tr><tr><td colspan="2"></td></tr></table>	No Mutations	NA			Detected				
No Mutations	NA												
	Acanthamoeba tubiashi/65665	2	1	<table><tr><td>forward_missing</td><td>Forward</td></tr><tr><td colspan="2"></td></tr></table>	forward_missing	Forward			limited coverage (excluded)				
forward_missing	Forward												
			1	<table><tr><td>reverse_missing</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	reverse_missing	Reverse			limited coverage (excluded)				
reverse_missing	Reverse												
	Sympagella nux/76350	1	1	<table><tr><td>C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, C15T, G16T</td><td>Forward</td></tr><tr><td>C1T, T2G, C5T, A6T, C7-, C8-</td><td>Probe</td></tr><tr><td>A22C, T8C, T7G</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, C15T, G16T	Forward	C1T, T2G, C5T, A6T, C7-, C8-	Probe	A22C, T8C, T7G	Reverse			limited coverage (excluded)
C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, C15T, G16T	Forward												
C1T, T2G, C5T, A6T, C7-, C8-	Probe												
A22C, T8C, T7G	Reverse												
			5	<table><tr><td>No Mutations</td><td>NA</td></tr><tr><td colspan="2"></td></tr></table>	No Mutations	NA			Detected				
No Mutations	NA												
			1	<table><tr><td>C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G16T, A20G</td><td>Forward</td></tr><tr><td colspan="2"></td></tr></table>	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G16T, A20G	Forward			limited coverage (excluded)				
C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G16T, A20G	Forward												
			3	<table><tr><td>C7T</td><td>Probe</td></tr><tr><td colspan="2"></td></tr></table>	C7T	Probe			Detected				
C7T	Probe												
			1	<table><tr><td>G9A, C15T</td><td>Forward</td></tr><tr><td>C7T, G9A</td><td>Probe</td></tr><tr><td colspan="2"></td></tr></table>	G9A, C15T	Forward	C7T, G9A	Probe			Further Analysis		
G9A, C15T	Forward												
C7T, G9A	Probe												
			1	<table><tr><td>G9T</td><td>Forward</td></tr><tr><td>T2A, C8T</td><td>Probe</td></tr><tr><td colspan="2"></td></tr></table>	G9T	Forward	T2A, C8T	Probe			Further Analysis		
G9T	Forward												
T2A, C8T	Probe												
			79	<table><tr><td>C1-, C2-, G16T</td><td>Forward</td></tr><tr><td>G3T, C4-, C5-, A6-, C7-, C8-</td><td>Probe</td></tr><tr><td>T8C</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	C1-, C2-, G16T	Forward	G3T, C4-, C5-, A6-, C7-, C8-	Probe	T8C	Reverse			Not Detected
C1-, C2-, G16T	Forward												
G3T, C4-, C5-, A6-, C7-, C8-	Probe												
T8C	Reverse												
			1	<table><tr><td>T1-</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	T1-	Reverse			Detected				
T1-	Reverse												
			22	<table><tr><td>C1-, C2-, G16T</td><td>Forward</td></tr><tr><td>G3T, C4-, C5-, A6-, C7-, C8-, C14T</td><td>Probe</td></tr><tr><td>T8C</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	C1-, C2-, G16T	Forward	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	T8C	Reverse			Not Detected
C1-, C2-, G16T	Forward												
G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe												
T8C	Reverse												
			5	<table><tr><td>C1-, G16T</td><td>Forward</td></tr><tr><td>G3T, C4-, C5-, A6-, C7-, C8-</td><td>Probe</td></tr><tr><td>T8C</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	C1-, G16T	Forward	G3T, C4-, C5-, A6-, C7-, C8-	Probe	T8C	Reverse			Not Detected
C1-, G16T	Forward												
G3T, C4-, C5-, A6-, C7-, C8-	Probe												
T8C	Reverse												
			1	<table><tr><td>C1-, G5C, G16T</td><td>Forward</td></tr><tr><td>G3T, C4-, C5-, A6-, C7-, C8-, C14T</td><td>Probe</td></tr><tr><td>T7G</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	C1-, G5C, G16T	Forward	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	T7G	Reverse			Not Detected
C1-, G5C, G16T	Forward												
G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe												
T7G	Reverse												
			1	<table><tr><td>C1-, C2-, G16T</td><td>Forward</td></tr><tr><td>G3T, C4-, C5-, A6-, C7-, C8-, C14T</td><td>Probe</td></tr><tr><td>T7G, A4C</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	C1-, C2-, G16T	Forward	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	T7G, A4C	Reverse			Not Detected
C1-, C2-, G16T	Forward												
G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe												
T7G, A4C	Reverse												
			1	<table><tr><td>C1-, C2-, G16T</td><td>Forward</td></tr><tr><td>G3T, C4-, C5-, A6-, C7-, C8-</td><td>Probe</td></tr><tr><td>T8C, T1-</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	C1-, C2-, G16T	Forward	G3T, C4-, C5-, A6-, C7-, C8-	Probe	T8C, T1-	Reverse			Not Detected
C1-, C2-, G16T	Forward												
G3T, C4-, C5-, A6-, C7-, C8-	Probe												
T8C, T1-	Reverse												
			1	<table><tr><td>C1-, C2-, G16T</td><td>Forward</td></tr><tr><td>C1T, A6T, C7-, C8-, C14T</td><td>Probe</td></tr><tr><td>T8C</td><td>Reverse</td></tr><tr><td colspan="2"></td></tr></table>	C1-, C2-, G16T	Forward	C1T, A6T, C7-, C8-, C14T	Probe	T8C	Reverse			Not Detected
C1-, C2-, G16T	Forward												
C1T, A6T, C7-, C8-, C14T	Probe												
T8C	Reverse												
				<table><tr><td>C1-, G5C, G16T</td><td>Forward</td></tr><tr><td colspan="2"></td></tr></table>	C1-, G5C, G16T	Forward							
C1-, G5C, G16T	Forward												

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1	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	Not Detected
	T8C, T1-	Reverse	
1	C1-, C2-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A9C, T8C, T1-	Reverse	
18	G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, T1-	Reverse	
8	C1-, C2-, C3-, A4-, G5-, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	T8C, T1-	Reverse	
2	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	T8C, T7G	Reverse	
1	C1-, C2-, G16T	Forward	limited coverage (excluded)
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, G12T, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C	Reverse	
1	C1-, C2-, C3-, G16T	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-	Probe	
	C17-, T8C	Reverse	
1	C1-, A6G, T7A, G9T, C15T, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-	Probe	
	T7G	Reverse	
2	C1-, C2-, G16T	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	C13C, G12A, T11G, T8C	Reverse	
2	C1-, C2-, C15T, G16T	Forward	Not Detected
	C1-, A6-, C7T, C8T	Probe	
	T11G, T8C, T7G, T1-	Reverse	
1	C1-, C2-, G5C, G16T	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	T7G	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, C15T	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	T8C, T1-	Reverse	
1	C1-, C2-, G16T	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-	Probe	
	C13C, G12G, T8C	Reverse	
1	C1-, C2-, G5C, G16T	Forward	limited
	C1-, T2-, C3-, C4-, C5-, A6-, C7-, C8-, C14T	Probe	

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1	C1-, T2-, G5-, C4-, C5-, A6-, C7-, C8-, C14T	Probe	coverage (excluded)
	T8C, T7G	Reverse	
1	G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, A2-, T1-	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, G9T, C15T, G16T, A20G	Forward	Not Detected
	T2A, C8T	Probe	
	A22C, T7G	Reverse	
1	C1-, G5T, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, T1-	Reverse	
1	C1-, C2-, C15T, G16T	Forward	Not Detected
	A6T, C7T, C8-	Probe	
1	C1-, C2-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	C17-, T8C, T1-	Reverse	
1	C1-, C2-, G5C, G16T	Forward	limited coverage (excluded)
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	C20T, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	C1-, C2-, C3-, G9-, C15T, G16T	Forward	Not Detected
	T2-, C5T, A6T, C7-, C8-	Probe	
	T7G	Reverse	
2	C1-, C2-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, T1-	Reverse	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, A2-, T1-	Reverse	
1	C1-, G16T	Forward	Not Detected
	C1A, T2C, A6-, C7T, C8T	Probe	
	C25A, G12T, T8C	Reverse	
1	C1-, C2-, G5C, G16T, A19G	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	T8C, T1-	Reverse	
1	C1-, C2-, G5C	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	T8C, T7G, T1-	Reverse	
1	C1-, C2-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A10C, T8C, T1-	Reverse	
1	C1-, C2-, C3-, A4-, G5-, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A19C, T8C, T1-	Reverse	

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1	C1-, A6G, T7A, G9T, C15T, G16T, A20G	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	T8C	Reverse	
1	C1-, C2-, G16T	Forward	limited coverage (excluded)
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	G12-, T11-, A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	C1-, C2-, C3-, A4-, G9-, C15T, G16T	Forward	Not Detected
	T2-, C5T, A6T, C7-, C8-	Probe	
	T7G	Reverse	
1	C1-, C2-, C3-, A4-, T7A, C15T, G16T	Forward	Not Detected
	T2-, A6T, C7T, C8-	Probe	
	C25A, G12T, T8C	Reverse	
1	C1-, C2-, G5C, G16T	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	G12-, T11-, A10-, A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
1	C1-, C2-, G16T	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	C13C, G12A, T11G, T8C, T7G	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, G9T, C15T, G16T	Forward	Not Detected
	C4-, C5-, A6-, C7-, C8-, G9-, C14G, A15G	Probe	
	T8C	Reverse	
1	C1-, C15T, G16T	Forward	Not Detected
	C4T, C7T, C8T, C14T	Probe	
	A22C	Reverse	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, A10C, T8C, T1-	Reverse	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	T23G, A22C, T8C, T1-	Reverse	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T, G24A	Probe	
	A22C, T8C, T1-	Reverse	
2	C1-, G5C, T10C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, T1-	Reverse	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	C24A, A22C, T8C, T1-	Reverse	
1	C15T, G16T	Forward	Not Detected
	C1A, T2C, A6-, C7T, C8T	Probe	
	C25A, G12T, T8C	Reverse	

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1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T, A21G	Probe	
	A22C, T8C, T1-	Reverse	
1	C1-, G5C, G16T, G18A	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, T1-	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, G16T	Forward	limited coverage (excluded)
	G3-, C4-, C5-, A6-, C7-	Probe	
	T7G, A2-, T1-	Reverse	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T21G, T8C, T1-	Reverse	
1	C1-, A4G, C15T, G16T	Forward	Not Detected
	C1-, A6-, C7T, C8T, A15T, T16A, T17C	Probe	
	C25A, G12T, T8C	Reverse	
1	C1-, C2-, T7A, C15T, G16T	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-	Probe	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, C13A, T8C, T1-	Reverse	
1	C1-, G5C, G16T, T17C	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, T1-	Reverse	
1	C1-, G5C, T10G, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, T8C, T1-	Reverse	
1	C1-, G5C, G16T	Forward	Not Detected
	G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
	A22C, A9C, T8C, T1-	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, G16T	Forward	limited coverage (excluded)
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	T8C, T1-	Reverse	
1	A4G, T7C, G9T, G16T, A20G	Forward	Not Detected
	T2-, C7T, C8T, A15G, T17C	Probe	
	A9C, T8G	Reverse	
2	A4G, T7C, G9T, G16T, A20G	Forward	Not Detected
	A6G, C7T, C8T, A15G, T17C, +2C	Probe	
	A9C, T8G	Reverse	
1	C1-, C2-, G16T	Forward	Not Detected
	G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
	A22C, T8C, T1-	Reverse	
	C1-, C2-, G5A, C8T, C15T	Forward	

			1		C1-, T2-, A6T, C7T, C8T, C14T	Probe	Not Detected			
					C13T, A10C, T7G	Reverse				
				3	C1-, G5C, G16T	Forward	Not Detected			
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe				
					A22C, T8C, T1-, +11G	Reverse				
				1	C1-, C2-, G5C, G16T	Forward	Not Detected			
					G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe				
					T8C, +11G	Reverse				
				1	C1-, C2-, C8A, G9T, G16T, A20G	Forward	Not Detected			
					T2-, A6G, C7-, C8-	Probe				
					T8C, T1-	Reverse				
				1	C1-, G5C, G16T	Forward	Not Detected			
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe				
					A22C, A9C, T7G, A2-, T1-	Reverse				
				1	C1-, G5C, G16T	Forward	Not Detected			
					G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe				
					T8C, T7G	Reverse				
				1	C1-, G5C, G16T	Forward	Not Detected			
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe				
					A22C, T8T, T7G, A2-, T1-	Reverse				

				+17C	Reverse	(excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				probe_missing	Probe	
	Comandonia/158895	2	1	No Mutations	NA	Detected
			1	C8T	Probe	Detected
	Comandonia operculata/158896	1	1	No Mutations	NA	Detected
	uncultured fungus/175245	3	1	A4-, A3-, A2-, T1-	Reverse	Detected
			1	forward_missing	Forward	limited coverage (excluded)
				A2-, T1-	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				reverse_missing	Reverse	
	Acanthamoeba mauritaniensis/196912	2	1	No Mutations	NA	Detected
			1	C8T, G9T, T10C	Forward	Not Detected
	Acanthamoeba terricola/196913	1	1	No Mutations	NA	Detected
	Acanthamoeba divionensis/202919	3	1	No Mutations	NA	Detected
			1	T2C, +19T	Probe	Detected
			1	reverse_missing	Reverse	limited coverage (excluded)
			10	C1-, C2-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C	Reverse	
			1	C1-, C2-, G5C, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C, T1-	Reverse	
			2	C1-, C2-, C3-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C	Reverse	
			5	C1-, G5C, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C, T1-	Reverse	
			1	C1-, C2-, G5C, G16T	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C, T1-	Reverse	
			5	C1-, C2-, G5C, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C, T1-	Reverse	
			1	C1-, C2-, G16T	Forward	Not Detected
G3T, C4-, C5-, A6-, C7-, C8-	Probe					

uncultured marine eukaryote/203449		65		C15A, T8C	Reverse	
			1	C1-, C2-, G5C, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C, T7G	Reverse	
			2	G5C, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
				A22C, T8C, T1-	Reverse	
			3	C1-, C2-, C3-, A4-, G5-, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
				T8C, T1-	Reverse	
			28	C1-, G5C, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
				A22C, T8C, T1-	Reverse	
			1	C1-, C2-, G5C, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
				T8C, T1-	Reverse	
			1	G5C, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
				A22C, A10C, T8C, T1-	Reverse	
			1	C1-, C2-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-, A10G	Probe	
				T8C	Reverse	
			1	C1-, C2-, C3-, A4-, G5-, A6-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C, T1-	Reverse	
			1	C1-, G5C, T7C, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
				A22C, T8C, T1-	Reverse	
1	C1-, C2-, C3-, G9-, C15T, G16T	Forward	Not Detected			
	T2-, C5T, A6T, C7-, C8-	Probe				
	T7G	Reverse				
Acanthamoeba quina/211522		13	7	No Mutations	NA	Detected
			2	C1T	Probe	Detected
			2	forward_missing	Forward	limited coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				probe_missing	Probe	
			4	C1-, C2-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C	Reverse	

Telonema/232264		20			18C	Reverse	
				1	C1-, C2-, C3-, A4-, G5-, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-	Probe	
					T8C	Reverse	
				1	C1-, C2-, G5C, G16T	Forward	limited coverage (excluded)
					C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
					T8C, T1-	Reverse	
				1	C1-, C2-, G5C, G16T	Forward	Not Detected
					C5T, A6T, C7-, C8-, C14T	Probe	
					T8C, T1-	Reverse	
				7	C1-, C2-, G5C, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
					T8C, T1-	Reverse	
				1	C1-, C2-, C3-, A4-, G5-, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
					T8C, T1-	Reverse	
				1	C1-, C2-, G5C, T11C, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
					T8C, T1-	Reverse	
				1	C1-, C2-, C3-, A4-, G5-, G16T	Forward	Not Detected
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
					T8C, T1-	Reverse	
				2	C1-, G5C, G16T	Forward	Not Detected
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
					A22C, T8C, T1-	Reverse	
				1	C1-, G5C, G16T, A20G	Forward	Not Detected
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
					A22C, T8C, T1-	Reverse	
	Telonema subtile/232287	4		4	C1-, C2-, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-	Probe	
					T8C	Reverse	
	Telonema antarcticum/232288	2		1	C1-, G5C, G16T	Forward	Not Detected
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
					A22C, T8C, T1-	Reverse	
				1	C1-, G5C, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
					A22C, T8C	Reverse	
				26	No Mutations	NA	Detected
				1	+8C	Forward	Detected
				1	+6A	Forward	Detected
				1	T12C, +12C	Forward	Detected
				1	C8-	Probe	Detected
					T7A. C8T	Forward	

Acanthamoeba jacobsi/238784		68	1	T8G	Reverse	Detected	
			25	forward_missing		Forward	limited coverage (excluded)
			3	forward_missing		Forward	limited coverage (excluded)
				A6-		Probe	
			1	forward_missing		Forward	limited coverage (excluded)
				T2C		Probe	
			1	forward_missing		Forward	limited coverage (excluded)
				G9A		Probe	
			2	forward_missing		Forward	limited coverage (excluded)
				T8G		Reverse	
			1	forward_missing		Forward	limited coverage (excluded)
C5-		Probe					
1	forward_missing		Forward	limited coverage (excluded)			
	C1-, T2-, G3-		Probe				
1	forward_missing		Forward	limited coverage (excluded)			
	C1-, T2-		Probe				
	T8G		Reverse				
1	forward_missing		Forward	limited coverage (excluded)			
	C1T, A6G, C7A, C8A		Probe				
1	forward_missing		Forward	limited coverage (excluded)			
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-		Probe				
uncultured Glomeromycotina/241622		2	1	C1-, A6G, T7A, G9T, C15T, G16T	Forward	Not Detected	
				C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe		
				T7G	Reverse		
1			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15T, G16T	Forward	limited coverage (excluded)	
				C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe		
				T7G	Reverse		
Acanthamoeba echinulata/306324		1	1	No Mutations	NA	Detected	
uncultured marine picoplankton/324688		2	1	C1-, G5C, G16T	Forward	Not Detected	
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe		
				A22C, T8C, T1-	Reverse		
			1	C1-, C2-, C3-, A4-, G5-, A6-, C15T	Forward	Not Detected	
				C4T, C5-, A6-, C7-, C8-	Probe		
				A22C, T8C, T1-	Reverse		
			21	C1T, T2C, A6G, C7T, C8T, A15G, T17C	Probe	Not Detected	
				A9C, T8G	Reverse		
			1	C1T, T2C, A6G, C7T, C8T, A15G, T17C	Probe	Not Detected	
A9C, T8G, +19T	Reverse						
				T2G, G3C, A6G, C7T, C8T, A15G, T17C,	Probe		

	Protacanthamoeba bohemica/325062	25	1	+12TGA	Forward	Not Detected	
				A9C, T8G	Reverse		
			1	A4G, T7C, G9T, G16T, A20G	Forward	Not Detected	
				A6G, C7T, C8T, A15G, T17C, +2C	Probe		
				A9C, T8G	Reverse		
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-	Forward	limited coverage (excluded)	
				C1T, T2C, A6G, C7T, C8T, A15G, T17C	Probe		
				A9C, T8G	Reverse		
	soil amoeba AND32/328359	1	1	No Mutations	NA	Detected	
	uncultured microeukaryote/340210	2	1	C13A, T8G, T7G	Reverse	Not Detected	
			1	G16T	Forward	Not Detected	
				C1T, C7T, C8T	Probe		
				C13A, T8G, T7G	Reverse		
	uncultured Eimeriidae/404735	6	5	No Mutations	NA	Detected	
			1	C24A, T8T, T1-, +19T	Reverse	Not Detected	
	uncultured amoeba/415944	14	5	No Mutations	NA	Detected	
			7	forward_missing		Forward	limited coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)	
				T2A, A15-	Probe		
			1	forward_missing	Forward	limited coverage (excluded)	
				C1-, T2-, G3-, C4-, C5-, A6-, A15C	Probe		
	Planomonas micra/554453	5	5	C1-, C2-, T7A, C15T, G16T	Forward	Not Detected	
				G3T, C4-, C5-, A6-, C7-, C8-	Probe		
	uncultured marine Telonemida/589440	6	1	C1-, C2-, G16T	Forward	Not Detected	
				G3T, C4-, C5-, A6-, C7-, C8-, T22C	Probe		
				T8C	Reverse		
			1	C1-, G5C, G16T	Forward	Not Detected	
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe		
				T8C, T1-	Reverse		
			1	C1-, C2-, G16T	Forward	Not Detected	
				G3T, C4-, C5-, A6-, C7-, C8-	Probe		
				C17A, T8C	Reverse		
			3	C1-, G5C, G16T	Forward	Not Detected	
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe		
				A22C, T8C, T1-	Reverse		
	marine plankton environmental sample/632957	4	4	C1-, G5C, G16T	Forward	Not Detected	
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe		
				A22C, T8C, T1-	Reverse		
			2	C1-, G5C, G16T	Forward	Not Detected	
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe		

uncultured Telonemia/660927		8		T8C, T1-	Reverse	Not Detected
			1	C1-, C2-, G5C, G16T	Forward	
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C, T1-	Reverse	
			2	C1-, G5C, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C, A3-, A2-, T1-	Reverse	
			2	C1-, G5C, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
				A22C, T8C, T1-	Reverse	
			1	C1-, G5C, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T, T16C	Probe	
				A22C, T8C, T1-	Reverse	
uncultured Mucoromycotina/666718		2	2	C1-, A6G, T7A, G9T, G16T	Forward	Not Detected
				C1A, T2A, C5T, A6T, C7-, C8-	Probe	
				T7G	Reverse	
Acanthamoeba cf. healyi/682864		9	2	No Mutations	NA	Detected
			3	forward_missing	Forward	limited coverage (excluded)
			1	A13T	Forward	Not Detected
				A18G, C17T	Reverse	
			1	C1-, C2-, A13T, C15-, G18C	Forward	Not Detected
			1	forward_missing	Forward	limited coverage (excluded)
				A6C, A21-	Probe	
				+11G	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, A6-, A21-	Probe	
				+11G	Reverse	
uncultured Telonemida/876688		19	2	C1-, C2-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C	Reverse	
			1	C1-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C	Reverse	
			1	C1-, C2-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C	Reverse	
			5	C1-, C2-, G5C, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-, C14T	Probe	
				T8C, T1-	Reverse	
			8	C1-, G5C, G16T	Forward	Not Detected
				G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
				A22C, T8C, T1-	Reverse	

				A22C, T6C, T1-		Reverse	Not Detected
				1	C1-, G5C, G16T	Forward	
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
					A22C, A18C, T8C, T1-	Reverse	
				1	C1-, G5C, G16T	Forward	
					G3-, C4-, C5-, A6-, C7-, C8T, C14T	Probe	
					A22C, A10C, T8C, T1-	Reverse	
	Allomyces reticulatus/945682	2	2		A6C, T7A, C15T, G16T	Forward	Not Detected
					C1T, A6T, C7-, C8-, C14T, A15C	Probe	
					T7G	Reverse	
	Blastocladia ramosa/945685	1	1		C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, C15T, G16T	Forward	limited coverage (excluded)
					C1T, A6T, C7-, C8-, C14T, A15C	Probe	
					T7G	Reverse	
	Stygamoeba regulata/1042828	2	2		C1-, A6T, C15T, A20G	Forward	Not Detected
					C1-, C4A, A6C, C8T	Probe	
	Paradermamoeba levis/1072175	1	1		C1-, C2-, C3-, A6T, C15T, G16T, A20G	Forward	Not Detected
					T2A	Probe	
					T7G	Reverse	
	Karlingiomyces asterocystis/1134062	1	1		C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, C15T, G16T	Forward	limited coverage (excluded)
					C1T, C5T, A6-, C7-	Probe	
					T7G	Reverse	
	Acanthamoebidae sp. EO-2012/1173418	1	1	1	No Mutations	NA	Detected
	Planomonas brevis/1246797	1	1		C1-, C2-, T7A, C15T, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-	Probe	
	Planomonas bulbosa/1246798	1	1		C1-, C2-, T7A, C15T, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-	Probe	
	Lesquereusia spiralis/1260111	1	1		C1-, C2-, C3-, A6T, C15T, G16T, A20G	Forward	Not Detected
					T2A, C7T, C8T, A15T, T17C	Probe	
					T7G	Reverse	
	Planomonas/1291203	3	3		C1-, C2-, T7A, C15T, G16T	Forward	Not Detected
					G3T, C4-, C5-, A6-, C7-, C8-	Probe	
	uncultured Karlingiomyces/1487176	1	1		C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, C15T, G16T	Forward	limited coverage (excluded)
					G3-, C4-, C5-, A6-, C7-	Probe	
					T7G	Reverse	
	Acanthamoeba micheli/1675013	1	1	1	No Mutations	NA	Detected
	Acanthamoeba pyriformis/1899168	1	1	1	C4T, C8T	Probe	Detected
	Eukaryota sp./1928008	1	1		C1-, A4C, T7A, C15T	Forward	Not Detected
					C1A, C4G, A6C, C7T, C8T	Probe	
					C25A, A22C, G12T, T8C	Reverse	
					C1-, A6G, T7A, G9T	Forward	

	Innospora majewski/1981986	1	1	C1A, C5-, A6-, C7T	Probe	Not Detected
				T7G, A2-, T1-	Reverse	
	Stemmatomyces panamensis/2060890	1	1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, C15T, G16T	Forward	limited coverage (excluded)
				G3-, C4-, C5-, A6-, C7-	Probe	
				A9-, T8-, T7-, A6-, T5-, A4-, A3-, A2-, T1-	Reverse	
	Apusozoa sp./2302699	1	1	C1-, C2-, T7A, C15T, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
	Acanthamoeba byersi/2506114	1	1	No Mutations	NA	Detected
	Arpakorses idiomastiga/2912879	1	1	C1-, C2-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C	Reverse	
	Telonema tenere/2912881	1	1	C1-, C2-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C	Reverse	
	Telonema rivulare/2912989	1	1	C1-, C2-, G16T	Forward	Not Detected
				G3T, C4-, C5-, A6-, C7-, C8-	Probe	
				T8C	Reverse	
	Coronamoeba villafranca/2936289	7	7	C1-, C2-, C3-, A4-, G5-, A6-, G9T, C15T, G16T, A20G	Forward	Not Detected
				T2A, C8T	Probe	
				A22C, T7G	Reverse	