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21	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	Forward	limited coverage (excluded)
1	A6-	Probe	Detected
1	T17A	Forward	Not Detected
	A18G	Reverse	
1	A6T, G19A	Probe	Detected
1	C1G, A6G	Probe	Detected
1	A18G, G24T	Probe	Not Detected
	A22C	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
	C1T	Probe	
16	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
1	+8C	Forward	Detected
	+17C	Reverse	
1	G3A	Probe	Detected
8	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-	Forward	limited coverage (excluded)
	A6G	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Forward	limited coverage (excluded)
	A6T	Probe	
2	T12-	Forward	Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	Forward	limited coverage (excluded)
	A19G	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T17G	Forward	limited coverage (excluded)
5	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-, C15G	Forward	limited coverage (excluded)
	C8T	Probe	
1	T1-	Reverse	Detected
2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-	Forward	limited coverage (excluded)
1	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, A18C	Reverse	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, T12-	Forward	Further Analysis
	+19A	Reverse	

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5	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-	Forward	limited coverage (excluded)
1	G5A	Forward	Detected
	T1-, A2-, A3-, A4-, T5-, A6-, T7-	Reverse	
1	A4T, C8T, T10G, T17C	Forward	Not Detected
	C8A, T22C	Probe	
7	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	T23C	Reverse	Not Detected
1	C14G, +6A	Forward	Not Detected
	A18C	Reverse	
1	G5T	Forward	Detected
	T12A	Probe	
	T1-, A2-, A3-, A4-	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-	Forward	limited coverage (excluded)
	+17A	Probe	
	+19A	Reverse	
1	+17AGGAGGG	Forward	Not Detected
1296	forward_missing	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Forward	limited coverage (excluded)
	+19A	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
	+15T	Probe	
1	A6C, G12-	Reverse	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	C8-, A13C	Forward	Detected
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	
3	forward_missing	Forward	limited coverage (excluded)
	A6C	Probe	
1	G16C, T17G, G18T	Forward	Not Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	Forward	limited coverage (excluded)
	G3C	Probe	
1	C1-, C2-, C3-, C8T	Forward	Further Analysis

1	+8C	Forward	Not Detected
	A6C, +3GC, +17T	Probe	
	+10A	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	Forward	limited coverage (excluded)
	A6-	Probe	
1	T12-	Probe	Detected
1	C8-	Probe	Detected
1	A6G, C7G	Probe	Detected
1	A13T	Forward	Detected
	A6C	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C1T	Probe	
8	forward_missing	Forward	limited coverage (excluded)
	A6G	Probe	
1	C1-, C2-, A13G	Forward	Further Analysis
	C1T, G9-	Probe	
1	C1-, C2-, C3-	Forward	Detected
	T1-, A2-, A3-, A4-, T5-	Reverse	
1	G5-, C14G, C15G	Forward	Detected
2	T10A, T12A, C14A, C15A	Forward	Not Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, A20C	Forward	limited coverage (excluded)
4	+17C	Reverse	Detected
1	C16-, C17-	Reverse	Not Detected
1	+22A	Reverse	Not Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	Forward	limited coverage (excluded)
	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-	Reverse	
1	C1-, C2-, T7C	Forward	Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, A20C	Forward	limited coverage (excluded)
	C16-, C17-	Reverse	
1	T7-, C8-	Forward	Detected
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)
	+19T	Reverse	
3	forward_missing	Forward	limited coverage (excluded)
	C4G	Probe	
1	+23T	Reverse	Not Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited

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1	T1-	Reverse	coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, A20T	Forward	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, T11C	Forward	Further Analysis
	T1-, A2-	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	C7G	Probe	
1	A6-	Probe	Detected
	A6T, +17C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T1-, A2-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, C16-, C17-, A18-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-	Reverse	
41	forward_missing	Forward	limited coverage (excluded)
	+1C	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	G3-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A18C	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
	C13T, C14A	Reverse	
26	forward_missing	Forward	limited coverage (excluded)
	A6-	Probe	
52	+1C	Probe	Detected
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
	G19A, T22A	Probe	
1	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-	Reverse	limited coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	T1-, A2-, A3-	Reverse	
2	C1-	Forward	Detected
	+1C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T12A	Probe	
1	C1-	Forward	Further Analysis
	A4C, A19T	Reverse	
1	forward_missing	Forward	limited

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5	+1T	Probe	coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	+5C	Probe	
2	A6-, T22-	Probe	Detected
	A18-, A19-	Reverse	
6	forward_missing	Forward	limited coverage (excluded)
	C1-	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T23G	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	Forward	limited coverage (excluded)
	C15-, C16-, C17-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, +3GA	Probe	
5	forward_missing	Forward	limited coverage (excluded)
	+2T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+14N	Probe	
1	A11-	Probe	Detected
1	forward_missing	Forward	limited coverage (excluded)
	C1T, C7G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+9C	Probe	
1	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, C16-	Reverse	limited coverage (excluded)
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A20C	Forward	limited coverage (excluded)
	C25G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A4G	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	+7A	Probe	
1	+1C	Probe	Detected
	T1-, A2-, A3-, A4-, T5-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	+2C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A10G	Reverse	
5	forward_missing	Forward	limited

1	T16-	Probe	Detected
	A10-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T1-, A2-, A3-, A4-	Reverse	
7	forward_missing	Forward	limited coverage (excluded)
	C8-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G19C, +8CG	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2G, C4T, +4T	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C8-, +2T	Probe	
3	forward_missing	Forward	limited coverage (excluded)
	+22C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6-	Probe	
	A22T	Reverse	
1	T12-	Forward	Detected
	+1C	Probe	
	T1-, A2-, A3-, A4-, T5-, A6-, T7-	Reverse	
1	T10A, C15T, A20G, +6G	Forward	Not Detected
	C4G, A6T	Probe	
	A10G, A19G	Reverse	
3	forward_missing	Forward	limited coverage (excluded)
	A6-, A13-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+18C	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
	+1C	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	+16A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4A, C8-, +1CT	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
	T1-, A2-, A3-, A4-, C15-, C16-, C17-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T1-, A2-, A3-, A4-, T5-, A6-, T7-	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-	Reverse	

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1	forward_missing	Forward	limited coverage (excluded)
	A10G	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C7A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+10G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4T, +2TG	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G19C, A21C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T12G, +22C	Probe	
3	forward_missing	Forward	limited coverage (excluded)
	+17T	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	A6-, C7-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G19T	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	T2G	Probe	
1	G5T, G18A	Forward	Not Detected
	A6C, G9A, C14T, A15T, G19A, C20T, A21G	Probe	
	G12A, C20A	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C4A, C8-, +2T	Probe	
1	T12G, C15A, G16A, T17A	Forward	Not Detected
	T17G, T22A	Probe	
	A18G	Reverse	
1	C1T, A6C, A13C	Probe	Not Detected
1	forward_missing	Forward	limited coverage (excluded)
	A11C, T12C	Probe	
19	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, +4NT	Probe	
1	A13C, G19C	Probe	Further Analysis
	C13G	Reverse	
4	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4T, A21-	Probe	

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1	forward_missing	Forward	limited coverage (excluded)
	C20-	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)
	A6C, +11A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+21A	Probe	
	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	+18A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+7G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C15G, C16G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A15G, G19T, +19A	Probe	
1	C1-, C2-, C3-, A4-, A19C, A20C	Forward	Not Detected
	A3C, A10G, C16-, C17-, A18-	Reverse	
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
	G3C, A10C, T16C	Probe	
	A18C, A19C	Reverse	
1	C1-, C2-, C3-, A4-, G5-, +13T, +19TT	Forward	Further Analysis
	+3G, +19T	Probe	
	T1-, A2-	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1G, C5A, A6G	Probe	
	A19T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T17A, A18T, G19A, +7G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2C	Probe	

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1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, G9T	Probe	
32	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6-, A10G	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C5G, C8-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C8A, +8A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4T, A10G, +22C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C5G, C7A, T12-	Probe	
20	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+13A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, A6C, +11A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A15G, C20A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C5T	Probe	
14	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-	Probe	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A21-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C20G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, A6C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2C, A6G, C7A, C8A, G9A, A18C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, C7A, G9A	Probe	
1	forward_missing	Forward	limited

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1	C5G, C7A, T12-, +7A	Probe	coverage (excluded)
6	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A15G, C20A, +2C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4T, C5T, +7A	Probe	
1	G5T, G9T	Forward	Not Detected
	A6C, G9A, C14T, A15T, G19A, C20T, A21G	Probe	
	T11A, G12A, C20A, C24A	Reverse	
1	C8G, A13C, T22G	Probe	Not Detected
	C24T	Reverse	
1	C1-, G5C, C8G, A13T	Forward	Not Detected
1	C1-, T2-, A6-, T17-, T22-	Probe	Not Detected
	A19-	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A13T, T17C	Forward	limited coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	C5T, A6-, C7-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, T12C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C7G, A11G	Probe	
	C15G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	T7G, C24T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C8A	Probe	
7	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)
	+9T	Probe	
	T11A	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C5-	Probe	
	A10-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C4A, C7-, C8-	Probe	
.	forward_missing	Forward	limited

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1	C4T	Probe	coverage (excluded)
14	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-, G19C, C20G	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-, A21T, T22A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+12T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-	Probe	
	A3C	Reverse	
22	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-, +19G	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)
	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)
	+12T, +17T	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C4T, A6-, A10G, T12G, A21C, T22C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6-	Probe	
	T7G, T8G	Reverse	
5	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-	Probe	
	forward_missing	Forward	limited

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1	A13T, +1C	Probe	coverage (excluded)
1	G3C, A6C, A13C, G19C	Probe	Not Detected
	C13G, A18C, A22T, C24T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	Probe	
	T1-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6-, A15-	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-, G19-, C20-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1G, C5A, A6G	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	
	T1-, T11A, G12A, A19C, C24A	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	Probe	
	C15T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	Probe	
	C15G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3T, C4G, +4AA, +16A	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)
	G19A, +1C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C5T, A6T, C7T, C8A	Probe	
	T1-, A2-, A10-	Reverse	
11	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	
.	forward_missing	Forward	limited
	C1-. T2-. G3-. C4-. C5-. A6-. C7-. C8-. G9-. A10-	Probe	

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	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, G24C	Probe	coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-	Probe	
1	C1T, T2C, A6G, C7T, C8T, A15G, T17C	Probe	Not Detected
	T8C, A9G	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)
	A6G, C7A, A15C, +3G	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	
	+17G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A15-, G19A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6G, C7A, +1G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C8T	Probe	
	T8C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, A6G, C7A	Probe	
1	G5T, G9T, T17A	Forward	Not Detected
	A6C, G9A, C14T, A15T, G19A, C20T, A21G	Probe	
	T11A, A19C, C20A, C24A	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	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, T12-, A15T, G19C, C20A, A21T	Probe	
	G12C, A19T, T21C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A15C, G19C, +9C, +20C	Probe	

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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)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe	
	+14G, +20G	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	
	G12C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C5T, A6T, C8A, G9A	Probe	
	+13A, +19T A	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	
	T8A, A19T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, A15-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A15-, G19A	Probe	
	T7A	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15T	Forward	limited coverage (excluded)
	C1G, A10G, T16G, T17A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, C5G	Probe	
	T11A, C24T	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	
	T8C, A9G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, C8-, T12G, T17G	Probe	
	A18C, A19-, A22-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6C, A15C, +1C	Probe	
	T1-	Reverse	
1	forward_missing	Forward	limited coverage
	T12A, G19C, A21T, T22G, +3G	Probe	

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	T5A, T11C, G12C, T21C	Reverse	(excluded)
1	forward_missing	Forward	limited coverage (excluded)
	+2AT	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	G3A	Probe	
1	A21-, T22-, G23-, G24-	Probe	Not Detected
1	forward_missing	Forward	limited coverage (excluded)
	T2G, A6-	Probe	
	T5A, T8A, T11G, G12C, T21C, A22-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6-, G9T, A15-, G19-	Probe	
	C20T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1T, T2G, C8T, +9N	Probe	
	T8-, T11G, +23A N T C	Reverse	
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	
	C13G, A18C, A22T, C24T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C8T, G9-, +2T	Probe	
	+10G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, A10G, G19C, A21C, T22C, +22TC	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe	
	T7A, T8A, T11C, G12C, C20A, T23C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	A19C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	A6-, C7-, T12C, A15-, T22-	Probe	
	A19-	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-, A19-	Forward	limited coverage (excluded)
	C1T, G3C, A6C, A10G, A13T	Probe	
	C13G, A22T, C24T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C4G, A10C, T17A, C20A, A21T, +11G	Probe	
	T1-, A2-, T11A	Reverse	
1	forward_missing	Forward	limited coverage
	C14G. T16G	Probe	

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			(excluded)
1	forward_missing	Forward	limited coverage (excluded)
	+8A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	A6-, A11T, T12-, A13-	Probe	
	+8T, +17C, +22A	Reverse	
2	T2A, C4G, +8ACGAT	Probe	Not Detected
	A18G, T21C	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
	C1T, T2G, G3A, A10G, +6T, +15C, +20G	Probe	
	+5C, +17C A, C20T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	T11G, +17C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C4G	Probe	
	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, T21G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T12-, A15-	Probe	
	T8G, A9G, A10-, +19A	Reverse	
1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G16C, T17C	Forward	limited coverage (excluded)
	A6C, G9C, G19T, C20A	Probe	
	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, A19T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	A3T, T7A	Reverse	
2	forward_missing	Forward	limited coverage (excluded)
	T2A, G3A, A6T, C8A, A10T, A15T, G24A	Probe	
	C16T, A22C, C25T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	G3-, A6T, T16C, A18T, G19T, T22C, +10CATC	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2-, A6-, A15-, A21-	Probe	
	A9G, A10G, A18G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, A15G, T16C, A21G	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	+17G	Reverse	
	forward_missing	Forward	limited

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1	probe_missing	Probe	coverage (excluded)
	A4T	Reverse	
1	C5G, A6C, G9C, T12A, C14A, A18-, G19-, C20-, A21-, T22-, G23-, G24-	Probe	Not Detected
2	forward_missing	Forward	limited coverage (excluded)
	G19-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A15G, T16C, A21G, G24A	Probe	
	C14A, A19C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, C14T	Probe	
	T8G, T11C, A22G, C25T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	T8-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	T1-, A2-, A3-, A4-, C15G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	T1-, A2-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	T11G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	+23G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-	Probe	
	T8A, T11G, C17-, A22T, C24T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	T1-, A2-, T21G, +23A T T C	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-, T22G	Probe	
	A9T, A10G, A19T, C20T	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	
	T1-, A2-, T8-	Reverse	
	forward_missing	Forward	limited

			1	probe_missing	Probe	coverage (excluded)
				G12A, C20A	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				probe_missing	Probe	
				A22C	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				probe_missing	Probe	
				T5A, T11A, G12A, C20A	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				probe_missing	Probe	
				A18C, A19C, T21C, T23C	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				probe_missing	Probe	
				T8C, C24T	Reverse	
			46	No Mutations	NA	Detected
			1	C1-, C2-	Forward	Detected
			1	C8T	Forward	Detected
			1	G5A	Forward	Detected
			1	C1T	Probe	Detected
			3	+6A	Forward	Detected
			1	T7A, C8T	Forward	Detected
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Forward	limited coverage (excluded)
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Forward	limited coverage (excluded)
			7	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
			1	C1T	Probe	Detected
				A10G	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)
				C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-		limited

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1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, A19G	Forward	coverage (excluded)
55	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	+17C	Reverse	Detected
1	C1-, C2-, C3-	Forward	Detected
	A13C	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	+11A	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C1T	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, +2TAAAAC	Probe	
1	G18A	Forward	Not Detected
	G3C, A6C, C14T	Probe	
	T1-, T8A, A18C, A19C, T21C	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	C8A, +8A	Probe	
2	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T2G, A6-, A15-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-	Probe	
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	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C8-	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	Probe	

			<table><tr><td></td><td></td><td></td><td></td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-</td><td>Probe</td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>C1-, T2-, A6C, A11T, A15T, G19C</td><td>Probe</td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>C1-, T2-, G3-, C4-, C5-, A6-, +17N</td><td>Probe</td></tr><tr><td rowspan="2">2</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-</td><td>Probe</td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>T2-, G3-</td><td>Probe</td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>A6-, C7-</td><td>Probe</td></tr><tr><td rowspan="3">1</td><td>forward_missing</td><td>Forward</td><td rowspan="3">limited coverage (excluded)</td></tr><tr><td>C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-</td><td>Probe</td></tr><tr><td>C17-</td><td>Reverse</td></tr><tr><td rowspan="2">10</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>probe_missing</td><td>Probe</td></tr></table>					1	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-, A6C, A11T, A15T, G19C	Probe	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	forward_missing	Forward	limited coverage (excluded)	T2-, G3-	Probe	1	forward_missing	Forward	limited coverage (excluded)	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-	Probe	C17-	Reverse	10	forward_missing	Forward	limited coverage (excluded)	probe_missing	Probe								
1	forward_missing	Forward	limited coverage (excluded)																																																														
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-	Probe																																																															
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	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	forward_missing	Forward	limited coverage (excluded)																																																														
	T2-, G3-	Probe																																																															
1	forward_missing	Forward	limited coverage (excluded)																																																														
	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-	Probe																																																															
	C17-	Reverse																																																															
10	forward_missing	Forward	limited coverage (excluded)																																																														
	probe_missing	Probe																																																															
			<table><tr><td>25</td><td>No Mutations</td><td>NA</td><td>Detected</td></tr><tr><td>1</td><td>C1-, T7A</td><td>Forward</td><td>Detected</td></tr><tr><td rowspan="2">1</td><td>C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td></td><td></td></tr><tr><td>1</td><td>G9C, T10G, +13AC</td><td>Forward</td><td>Not Detected</td></tr><tr><td>1</td><td>T11A, T12A</td><td>Forward</td><td>Not Detected</td></tr><tr><td>1</td><td>C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-</td><td>Forward</td><td>limited coverage (excluded)</td></tr><tr><td rowspan="2">28</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td></td><td></td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>+2A</td><td>Probe</td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>T2G</td><td>Probe</td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>T2G, A6-</td><td>Probe</td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>C1-, T2-</td><td>Probe</td></tr><tr><td rowspan="2">1</td><td>forward_missing</td><td>Forward</td><td rowspan="2">limited coverage (excluded)</td></tr><tr><td>G9C</td><td>Probe</td></tr></table>	25	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	Not Detected	1	T11A, T12A	Forward	Not Detected	1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)	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
25	No Mutations	NA	Detected																																																														
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1	forward_missing	Forward	limited coverage (excluded)																																																														
	G9C	Probe																																																															

Acanthamoeba polyphaga/5757

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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	
	A18G	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	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	
	T1-, A2-	Reverse	
1	forward_missing	Forward	limited coverage (excluded)
	probe_missing	Probe	

Acanthamoeba palestinensis/28015

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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	
12	forward_missing	Forward	limited coverage (excluded)
1	forward_missing	Forward	limited coverage (excluded)
	+2A	Probe	
1	forward_missing	Forward	limited coverage (excluded)
	T11A	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	
	+17G	Reverse	
1	forward_missing	Forward	limited coverage
	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-,	Probe	

				A11-, T12-, A13-	Forward	(excluded)
			1	T17G	Forward	limited coverage
				probe_missing	Probe	(excluded)
Acanthamoeba griffini/29195		23	6	No Mutations	NA	Detected
			2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	limited coverage (excluded)
				C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	Forward	limited coverage (excluded)
			1	+17C	Reverse	Detected
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	Forward	limited coverage (excluded)
			1	C1-, C2-	Forward	Detected
				C4-, C5-	Probe	
			8	forward_missing	Forward	limited coverage (excluded)
				forward_missing	Forward	limited coverage (excluded)
			1	C8A	Probe	
				T1-, A2-, C17-	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				C5A, A6G, A15-	Probe	
			3	No Mutations	NA	Detected
			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	A6C, +1C	Probe	Detected
			2	G19A, +1C	Probe	Detected
			1	T12A, A13T	Forward	Not Detected
				+1C	Probe	
			1	T7G, C8T	Forward	Detected
				+1C	Probe	
			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	
				C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Forward	limited

Acanthamoeba lenticulata/29196

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2	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	Forward	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	Further Analysis
	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	Further Analysis
	A13T, +1C	Probe	
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	
	C17G	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	
	forward_missing	Forward	limited coverage (excluded)

			1	forward_missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-	Forward Probe	limited coverage (excluded)
			1	forward_missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-	Forward Probe	limited coverage (excluded)
				3	forward_missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	Forward Probe
			1		forward_missing T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-	Forward Reverse
				1	forward_missing T2C	Forward Probe
			1		forward_missing C1-, T2-, G3-, C4-, C5-, A6-	Forward Probe
				1	forward_missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-	Forward Probe
			1		forward_missing C4G, A6G, C8A	Forward Probe
				1	forward_missing T2C, C4G, +6G	Forward Probe
			1		forward_missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-	Forward Probe
				1	forward_missing C16A	Forward Reverse
			1		forward_missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	Forward Probe
				8	forward_missing probe_missing	Forward Probe

	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
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			11	No Mutations	NA	Detected
			1	C1T, G3T, A6C	Probe	Not Detected
				+16A	Reverse	
			1	C1T, G3T, A6C, G19C, A21C	Probe	Not Detected
20	forward_missing	Forward	limited			

			1	probe_missing	Probe	coverage (excluded)
				T11A, C20A	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				C5G, G19T, C20A	Probe	
	Acanthamoeba comandoni/65659	2	1	C25T	Reverse	Not Detected
			1	C8T, C15T	Forward	Not Detected
				C8T	Probe	
	Acanthamoeba hatchetti/65660	38	12	No Mutations	NA	Detected
			1	C4T	Probe	Detected
			1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	limited coverage (excluded)
				A18G	Reverse	
			20	forward_missing	Forward	limited coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				T11C	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	1	forward_missing	Forward	limited coverage (excluded)
				probe_missing	Probe	
			2	No Mutations	NA	Detected
			1	A6C	Probe	Detected
			1	C8A, G9C	Forward	Not Detected
				A6C, A15C	Probe	
	Acanthamoeba pearcei/65662	2	2	forward_missing	Forward	limited coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, G3-, C4-, C5-, A6-	Probe	
	Acanthamoeba pustulosa/65663	1	1	No Mutations	NA	Detected
			1	forward_missing	Forward	limited coverage (excluded)
	Acanthamoeba stevensoni/65664	2	2	No Mutations	NA	Detected
	Acanthamoeba tubiashi/65665	2	1	No Mutations	NA	Detected
			1	forward_missing	Forward	limited coverage (excluded)
			5	No Mutations	NA	Detected
			1	C1-, C2-, C3-, A4-, C5-, A6-, T7-, C8-, G9-, T10-	Forward	limited

Acanthamoeba triangularis/146752	21	1	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Forward	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	G5A, G9-	Forward	Detected
		8	forward_missing	Forward	limited coverage (excluded)
		1	forward_missing C1-, T2-, G3-, C4-	Forward Probe	limited coverage (excluded)
		1	forward_missing A6-, A15- +17G	Forward Probe Reverse	limited coverage (excluded)
		1	forward_missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	Forward Probe	limited coverage (excluded)
		2	forward_missing probe_missing	Forward Probe	limited coverage (excluded)
Acanthamoeba mauritaniensis/196912	3	1	No Mutations	NA	Detected
		1	C8T, G9T, T10C	Forward	Not Detected
		1	forward_missing C1-, T2-, G3-, C4-, C5-, T12C	Forward Probe	limited coverage (excluded)
Acanthamoeba terricola/196913	1	1	No Mutations	NA	Detected
Acanthamoeba divionensis/202919	3	2	No Mutations	NA	Detected
		1	T2C, +19T	Probe	Detected
Acanthamoeba quina/211522	13	7	No Mutations	NA	Detected
		2	C1T	Probe	Detected
		2	forward_missing	Forward	limited coverage (excluded)
		1	forward_missing C1-, T2-, G3-	Forward Probe	limited coverage (excluded)
		1	forward_missing probe_missing	Forward Probe	limited coverage (excluded)
		25	No Mutations	NA	Detected
		1	+8C	Forward	Detected
		1	+6A	Forward	Detected
		1	T12C, +12C	Forward	Not Detected
		1	C8-	Probe	Detected
		1	T7A, C8T T8C	Forward Reverse	Detected
		25	forward_missing	Forward	limited coverage

Acanthamoeba jacobsi/238784		72				(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)
				T8C	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	
				T8C	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	
			1	forward_missing	Forward	limited coverage (excluded)
				T16C, T22C	Probe	
				A10G	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				T11C, G12C, C14A, C15A, A19T	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, T2-, A6C	Probe	
				A10G	Reverse	
1	forward_missing	Forward	limited coverage (excluded)			
	A6-	Probe				
	T8C, G12-, C13-	Reverse				
1	forward_missing	Forward	limited coverage (excluded)			
	A6T, A10C, A15T, +2C, +22C	Probe				
Acanthamoeba echinulata/306324		1	1	No Mutations	NA	Detected
			2	No Mutations	NA	Detected
			3	forward_missing	Forward	limited coverage (excluded)
			1	A13T	Forward	Not Detected
C17A, A18C	Reverse					
1	C1-, C2-, A13T, C15-, G18C	Forward	Not Detected			

	Acanthamoeba cf. healyi/682864	10	1	forward_missing	Forward	limited coverage (excluded)
				A6C, A21-	Probe	
				+11C	Reverse	
			1	forward_missing	Forward	limited coverage (excluded)
				C1-, A6-, A21-	Probe	
				+11C	Reverse	
			1	C1-, C2-, C3-, A4-, G5-, A6-, T12C, A13G, C14T, G18C	Forward	Not Detected
				C4T, A6T, T12-, A13G, A18C, A21T, G24C	Probe	
	Acanthamoeba micheli/1675013	1	1	No Mutations	NA	Detected
	Acanthamoeba pyriformis/1899168	1	1	C4T, C8T	Probe	Detected
	Acanthamoeba byersi/2506114	10	1	No Mutations	NA	Detected
			4	forward_missing	Forward	limited coverage (excluded)
			1	forward_missing	Forward	limited coverage (excluded)
				+9C	Probe	
			1	forward_missing	Forward	limited coverage (excluded)
				+9G	Probe	
			3	forward_missing	Forward	limited coverage (excluded)
				probe_missing	Probe	